harman/kardon Service Manual

AVR 660/230
AVR 760/230

7 x 75W 7.1 CHANNEL A/V RECEIVER
7 x 85W 7.2 CHANNEL A/V RECEIVER

CONTENTS

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ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field effect transistors and semiconductor "chip" components.

The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge build-up or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical change sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material.)
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

   CAUTION : Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together or your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES devices.

PRODUCT SAFETY NOTICE

Each precaution in this manual should be followed during servicing.

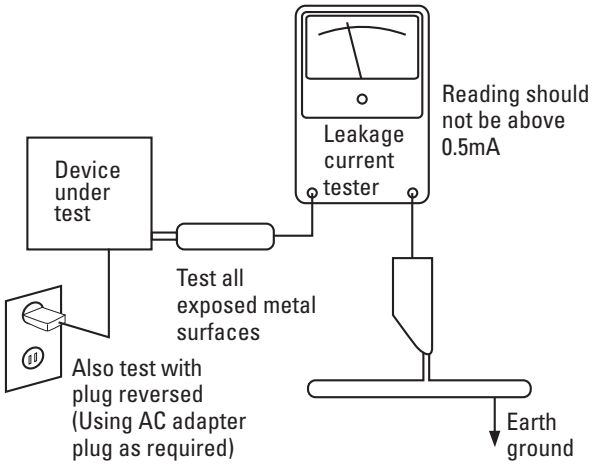
Components identified with the IEC symbol ⚠ in the parts list are special significance to safety. When replacing a component identified with ⚠, use only the replacement parts designated, or parts with the same ratings or resistance, wattage, or voltage that are designated in the parts list in this manual. Leakage-current or resistance measurements must be made to determine that exposed parts are acceptably insulated from the supply circuit before retuming the product to the customer.

SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120V AC 60Hz outlet and turn the AC power switch on. Any current measured must not exceed o.5mA.



AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

Please register your AVR 760/AVR 660 at www.harmankardon.com.

NOTE: You'll need the product's serial number. At the same time, you can choose to be notified about new products and/or special promotions.

Thank you for choosing a Harman Kardon® product!

For more than fifty years, the Harman Kardon® mission has been to share a passion for music and entertainment, using leading-edge technology to achieve premium performance. Harman Kardon, Inc., invented the receiver, a single component designed to simplify home entertainment without compromising performance. Over the years, Harman Kardon products have become easier to use, while offering more features and sounding better than ever. The AVR 760 multizone 7.2-channel digital audio/video receiver (AVR 660 is 7.1-channel) continues this tradition with some of the most advanced audio and video processing capabilities yet, and a wealth of listening and viewing options.

To obtain the maximum enjoyment from your new receiver, please read this manual and refer back to it as you become more familiar with its features and their operation.

If you have any questions about this product, its installation or its operation, please contact your Harman Kardon retailer or custom installer, or visit the Web site at www.harmankardon.com.

Harman Kardon AVR 760/AVR 660 7.2-Channel Audio/Video Receiver

Audio Section

- AVR 760: 85 Watts x 7, seven channels driven at full power at 8 ohms, 20Hz – 20kHz, <0.07% THD, 595 watts total. AVR 660: 75 Watts x 7, 525 watts total.
- High-current capability, ultrawide-bandwidth amplifier design with low negative feedback
- All-discrete amplifier circuitry
- Quadruple-crossover bass management with DVD-Audio bass management capability
- Dual 32-bit TI DA 710 DSP processors
- 192kHz/24-bit A/D and D/A conversion
- Sampling upconversion to 96kHz
- Dolby® Volume processing

Surround Modes

- Dolby Digital EX, Dolby Digital Plus, Dolby TrueHD
- Dolby Pro Logic® II and IIx (Movie, Music and Game), up to 96kHz
- Dolby Virtual Speaker Version 2 (Reference or Wide, 2-channel)
- Dolby Headphone Version 2, up to 96kHz
- DTS-HD High Resolution Audio™, DTS-HD Master Audio™
- DTS® (5.1; DTS Stereo; DTS-ES® 6.1 Discrete and Matrix)
- DTS 96/24™ (DTS Stereo)
- DTS Neo:6® (Cinema 5-,6- or 7-channel; Music 5-, 6- or 7-channel), up to 96kHz
- Logic 7® (Movie, Music and Game), up to 96kHz
- 5- or 7-Channel Stereo, up to 96kHz
- Surround Off (DSP or Analog Bypass)

ENGLISH

TECHNICAL SPECIFICATIONS

Audio Section

Stereo Mode, Continuous Average Power (FTC)

AVR 760: 100 Watts per channel, 20Hz–20kHz, @ <0.07% THD, both channels driven into 8 ohms

AVR 660: 85 Watts per channel, 20Hz–20kHz, @ <0.07% THD, both channels driven into 8 ohms

Seven-Channel Surround Modes
Power per Individual Channel for AVR 760/AVR 660

Front L & R channels:
85/75 Watts per channel @ <0.07% THD, 20Hz–20kHz into 8 ohms

Center channel:
85/75 Watts @ <0.07% THD, 20Hz–20kHz into 8 ohms

Surround (L & R Side, L & R Back) channels:
85/75 Watts per channel @ <0.07% THD, 20Hz–20kHz into 8 ohms

Input Sensitivity/Impedance	
Linear (High-Level)	200mV/47k ohms
Signal-to-Noise Ratio (IHF-A)	100dB
Surround System Adjacent Channel Separation	
Pro Logic® I/II	40dB
Dolby® Digital (AC-3)	55dB
DTS®	55dB
Frequency Response	
@ 1W (+0dB, –3dB)	10Hz –130kHz
High Instantaneous Current Capability (HCC)	
AVR 660	±50 Amps
AVR 760	±60 Amps
Transient Intermodulation Distortion (TIM)	Unmeasurable
Slew Rate	40V/µsec

FM Tuner Section

Frequency Range	87.5–108.0MHz
Usable Sensitivity	IHF 1.3µV/13.2dBf
Signal-to-Noise Ratio	Mono/Stereo 70/68dB
Distortion	Mono/Stereo 0.2/0.3%
Stereo Separation	40dB @ 1kHz
Selectivity	±400kHz, 70dB
Image Rejection	80dB
IF Rejection	90dB

AM Tuner Section

Frequency Range	520–1720kHz
Signal-to-Noise Ratio	45dB
Usable Sensitivity	Loop 500µV
Distortion	1kHz, 50% Mod 0.8%
Selectivity	±10kHz, 30dB

Video Section

Television Format	PAL
Input Level/Impedance	1Vp-p/75 ohms
Output Level/Impedance	1Vp-p/75 ohms
Video Frequency Response (Composite and S-Video)	10Hz–8MHz (–3dB)
Video Frequency Response (Component Video)	10Hz–100MHz (–3dB)
HDMI™	Version 1.3a with 10-bit Deep Color

General

Power Requirement	AC 230V/50Hz	
Power Consumption	170W idle, 1220W maximum (7 channels driven, both models)	
Stand-by consumption	AVR 760: <1 Watt, AVR 660: <1 Watt	
Dimensions	(Product)	(Shipping)
Width	440mm	520mm
Height	165mm	280mm
Depth	435mm	580mm
Weight	(Product)	(Shipping)
AVR 660	19kg (42 lb)	22.3kg (49 lb)
AVR 760	20kg (44 lb)	23.3kg (51 lb)

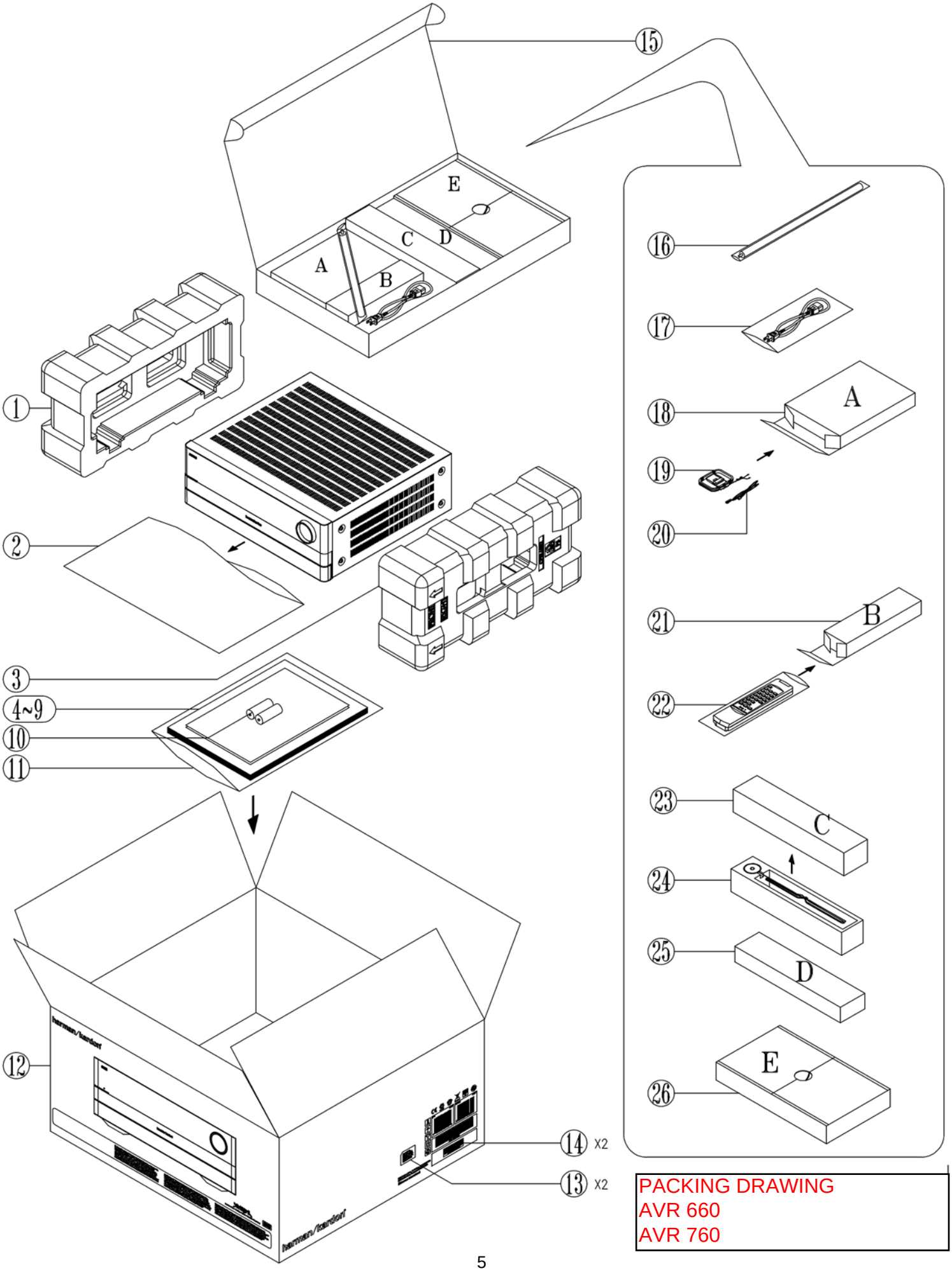
Depth measurement includes knobs, buttons and terminal connections.

Height measurement includes feet and chassis.

Features, specifications and appearance are subject to change without notice.

Please register your AVR 760/AVR 660 at www.harmankardon.com.

NOTE: You'll need the product's serial number. At the same time, you can choose to be notified about new products and/or special promotions.



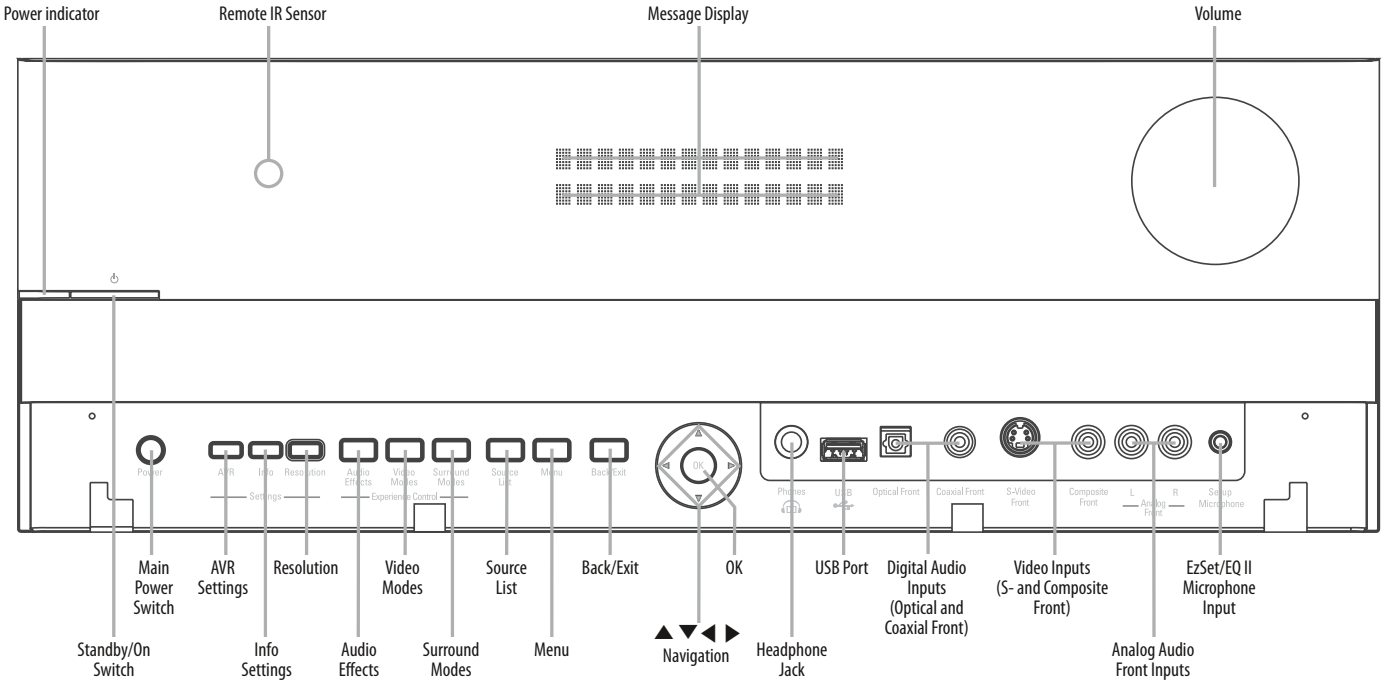
PACKING DRAWING
AVR 660
AVR 760

AVR 660 / AVR 760 PACKAGE PARTS LISTS

NO	AVR660		Q,ty
1	CPS1A801	CUSHION , POLY L AVR755	1
2	CPP1A081Z	BAG,POLY SET	1
3	CPS1A802	CUSHION , POLY R AVR755	1
4	CQE1A172X	CARD , WARRANTY	1
5		SHEET , QUICK SETUP GUIDE AVR660	1
6			
7			
8	CQX1A1395Z	MANUAL , INSTRUCTION AVR655/240	1
9			
10	CABLR03PB	BATTERY , ALKALINE AAA 2PCS IN	2
11	CPB1061W	BAG , POLY(ENGLISH/FRANCH)	1
12	CPG1A847W	BOX , OUT CARTON AVR655/240	1
13	CQB1A928Z	LABEL , MADE IN PRC	2
14	CQB1A907Z	LABEL , BAR CODE AVR154	2
15	CPG1A849Z	BOX , ACCESSORY	1
16	CMA1A001ZA	EXTENSION PIECE ASS'Y	1
17	CJA2B054Z	CORD , POWER(DETACHABLE/EUR)	1
18	CPG1A851	BOX , ANTENNA AVR755	1
19	CSA1A035Z	ANT , AM LOOP (ANTLOOP-300)	1
20	CSA1A018Z	FM 1 POLE ANT	1
21	CPG1A852	BOX , ZONE2	1
22	CARTAVR755Z2	ZONE 2 REMOCON TRANSMITTER ASS'Y	1
23	CPG1A853	BOX , MIC AVR755	1
24	CJXAVR7550HDMICP	MICRO PHONE ASS'Y	1
25	CARTAVR760U	REMOCON TRANSMITTER ASS'Y (AVR760/AVR	1
26	CXZBRIDGE2354	BRIDGE2 ASS'Y	1

NO	AVR760		Q,ty
1	CPS1A801	CUSHION , POLY L AVR755	1
2	CPP1A081Z	BAG,POLY SET	1
3	CPS1A802	CUSHION , POLY R AVR755	1
4	CQE1A172X	CARD , WARRANTY	1
5		SHEET , QUICK SETUP GUIDE AVR760	1
6			
7			
8	CQX1A1393Z	MANUAL , INSTRUCTION AVR755/240	1
9			
10	CABLR03PB	BATTERY , ALKALINE AAA 2PCS IN	2
11	CPB1061W	BAG , POLY(ENGLISH/FRANCH)	1
12	CPG1A847Y	BOX , OUT CARTON AVR755/240	1
13	CQB1A928Z	LABEL , MADE IN PRC	2
14	CQB1A907Z	LABEL , BAR CODE AVR154	2
15	CPG1A849Z	BOX , ACCESSORY	1
16	CMA1A001ZA	EXTENSION PIECE ASS'Y	1
17	CJA2B054Z	CORD , POWER(DETACHABLE/EUR)	1
18	CPG1A851	BOX , ANTENNA AVR755	1
19	CSA1A035Z	ANT , AM LOOP (ANTLOOP-300)	1
20	CSA1A018Z	FM 1 POLE ANT	1
21	CPG1A852	BOX , ZONE2	1
22	CARTAVR755Z2	ZONE 2 REMOCON TRANSMITTER ASS'Y	1
23	CPG1A853	BOX , MIC AVR755	1
24	CJXAVR7550HDMICP	MICRO PHONE ASS'Y	1
25	CARTAVR760U	REMOCON TRANSMITTER ASS'Y (AVR760/AVR	1
26	CXZBRIDGE2354	BRIDGE2 ASS'Y	1

FRONT-PANEL CONTROLS



Power Indicator: This LED has three possible modes:

- **Main Power Off**: When the AVR is unplugged or the Main Power Switch is off, this LED is off.
- **Standby**: Amber indicates that the AVR is ready to be turned on.
- **On**: When the AVR is turned on, this LED turns white.

NOTE: If the PROTECT message ever appears, turn off the AVR and unplug it. Check all speaker wires for a possible short. If none is found, bring the unit to an authorized Harman Kardon service center for inspection and repair before using it again.

Standby/On Switch: This electrical switch turns the receiver on, or places it in Standby mode for quick turn-on.

Front-Panel Door (not shown): Most of the controls and connectors described below are hidden behind this door. To open it, gently grab the right or left edge of the door and pull it forward and down.

Main Power Switch: This mechanical switch turns the power supply on or off. It is usually left on, and cannot be turned on or off using the remote control.

AVR Settings Button: Press this button to access the AVR's main menu.

Info Settings Button: Press this button to directly access the AVR's Source Info submenu, which contains the settings for the current source.

Resolution: Press this button to access the AVR's video output resolution setting: 480i, 480p, 576i, 720p, 1080i or 1080p.

IMPORTANT NOTE: If the AVR's video output resolution is set higher than the capabilities of the actual connection, you will not see a picture. If the best available video connection from the AVR to the TV is either composite or S-video, press this button and change the resolution to 576i.

Audio Effects: Press this button to directly access the Audio Effects submenu, which allows adjustment of the tone and other audio controls. See the Initial Setup section for more information.

Video Modes: Press this button for direct access to the Video Modes submenu, which contains settings that may be used to improve the picture, if necessary, after you have adjusted the picture settings using the video display or TV.

Surround Modes: Press this button to select a surround sound (e.g., multichannel) mode. The Surround Modes menu will appear on screen, and the menu line will appear in the front-panel display. See the Advanced Functions section for more information on surround modes.

Source List: Press this button to select a source device, which is a component where a playback signal originates, e.g., DVD.

Menu Button: Press to display the menus for the tuner, the USB device, The Bridge II, the Network or Internet Radio, when any of those sources is in use.

Back/Exit: Press this button to return to the previous menu, or to exit the menu system.

ENGLISH

FRONT-PANEL CONTROLS

▲▼◀ ▶ **Navigation**: These buttons are used to navigate the AVR's menus, including the menus for the tuner, the USB device, The Bridge II, the Network and Internet Radio.

OK: Press this button to select the currently highlighted item.

Headphone Jack: Plug a 1/4" stereo headphone plug into this jack for private listening.

USB Port: Connect a USB flash drive, to play audio files in the MP3 or WMA format or still images in the JPEG format. DO NOT connect a PC, keyboards, pointing devices or other peripheral products to the AVR 760/AVR 660. Do not connect an iPod here; use The Bridge II instead. Do not connect a USB hub or multi-card device.

Digital Audio, Video and Analog Audio Front Inputs: Connect a source component that will only be used temporarily, such as a digital camera or game console, to these jacks. Use only one type of audio and one type of video connection.

Note: The AVR's menus refer to these jacks as the Optical Front, Coaxial Front, Composite Front, S-Video Front and Analog Front inputs.

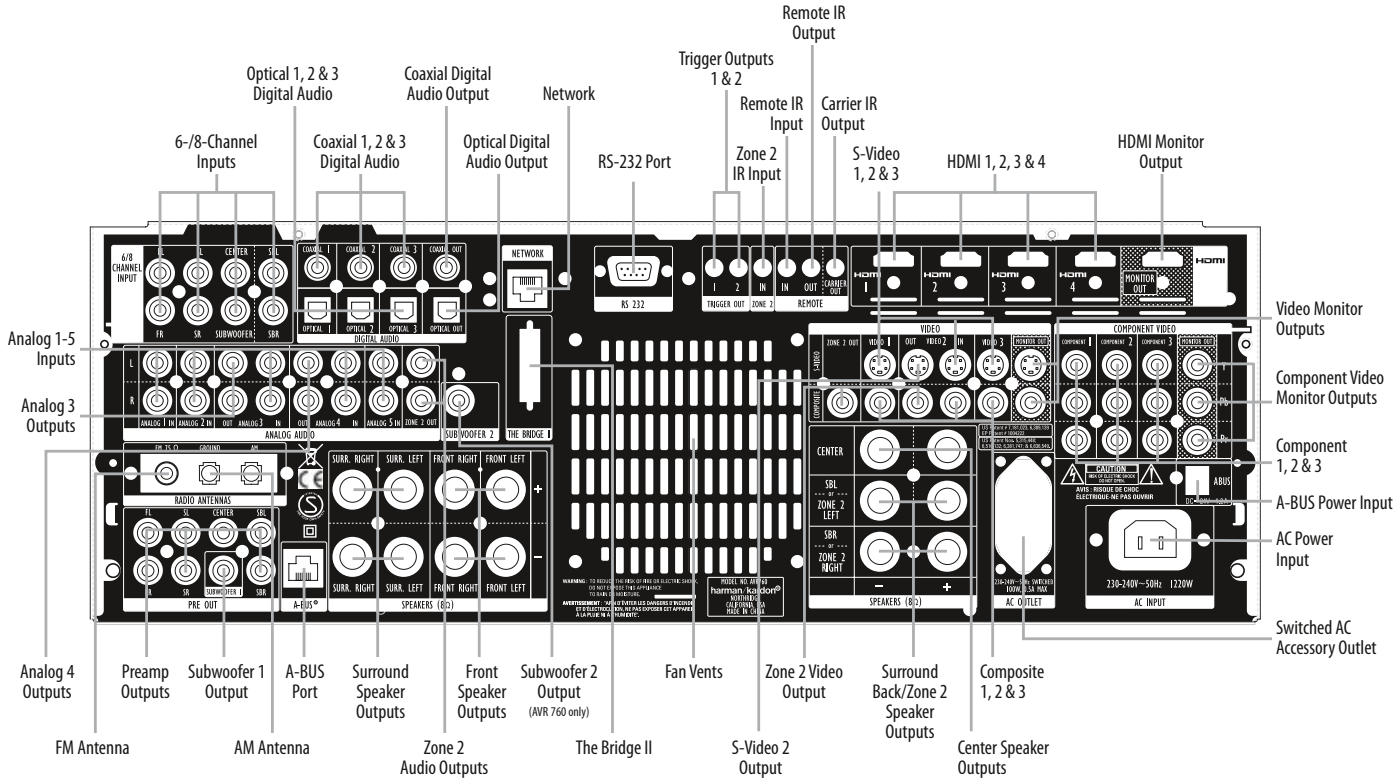
EzSet/EQ II Microphone Input: This jack is used to connect the supplied microphone for the EzSet/EQ II procedure described in the Initial Setup section.

Volume Knob: Turn this knob to raise or lower the volume.

Message Display: Various messages appear in this two-line display in response to commands and changes in the incoming signal. In normal operation, the current source name appears on the upper line, while the surround mode is displayed on the lower line. When the on-screen display menu system (OSD) is in use, the current menu settings appear.

Remote IR Sensor: This sensor receives infrared (IR) commands from the remote control. It is important to ensure that it is not blocked. If covering the sensor is unavoidable, use an optional Harman Kardon HE 1000, or other infrared receiver, connecting it to the Remote IR Input on the AVR 760/ AVR 660's rear panel.

REAR-PANEL CONNECTIONS



6-/8-Channel Inputs: Connect the multichannel analog audio outputs of a non-HDMI player (DVD-Audio, SACD™, Blu-ray Disc™ or HD-DVD, or any other external decoder) to these jacks.

Coaxial 1/2/3 and Optical 1/2/3 Digital Audio Inputs: If a source has a compatible digital audio output, and if you are not using an HDMI connection for audio for the device, connect it to one of these jacks to hear digital audio formats, such as Dolby Digital, DTS and linear PCM. Use only one type of digital audio connection for each source.

Coaxial and Optical Digital Audio Outputs: If a source is also an audio recorder, connect one of the Digital Audio Outputs to the recorder's matching input for improved recording quality. Only PCM digital audio signals are available for recording. Both coaxial and optical digital audio signals are available at either Digital Audio Output.

Network Jack: Plug in an RJ-45-compatible cable that connects to a personal computer (PC), router or Internet access. When connected to a PC, the AVR 760/AVR 660 is capable of playing audio and JPEG files stored on the PC. When connected to the Internet, the AVR 760/AVR 660 may be used to enjoy Internet Radio. See pages 33 and 34 for more information.

RS-232 Serial Port: This bi-directional port may be used to control the AVR 760/AVR 660 using an RS-232 serial control link to a compatible computer or programmable remote control system. Due to the complexity of programming RS-232 commands, connections and programming for control purposes should be performed by a qualified custom installer.

Trigger 1 and 2 Outputs: Connect these control jacks to the trigger input jack of an external component, such as an audio power amplifier, that you want to power on any time the AVR 760/AVR 660 is turned on, without using the AVR's Switched Accessory Outlet for power. When this connection is used, the AVR 760/AVR 660 will automatically send a low-voltage signal to the connected device that triggers it to turn on when the AVR 760/AVR 660 is on, and off when the AVR 760/AVR 660 is placed in the Standby Mode. The connected component must respond to 6-volt presence as the control signal.

The Trigger 2 Output may be programmed to transmit its signal only when certain of the AVR's source inputs are selected. For example, to lower a screen when watching a DVD movie, but not while listening to the tuner, connect the Trigger 2 Output to the screen and program it to be on when the DVD source is selected, but off when the AM or FM bands are in use. See the Initial Setup section for more information on programming this setting in the Info Settings menus for each source.

Zone 2 Infrared (IR) Input: Connect a remote IR receiver located in the remote zone of a multizone system to this jack to control the AVR (and any source devices connected to the Remote IR Output) from the remote zone.

Remote Infrared (IR) Input and Output: When the remote IR receiver on the front panel is blocked, connect an optional IR receiver to the Remote IR Input jack. The Remote IR Output may be connected to the Remote IR Input of a compatible product to enable remote control through the AVR.

Remote IR Carrier Output: This output is similar in function to the Remote IR Output, with the difference that this jack outputs the full infrared signal as received by the AVR's IR sensor or the Remote IR Input, while the Remote IR Output jack outputs a "stripped" signal that has no carrier frequency.

REAR-PANEL CONNECTIONS

HDMI Inputs and Output: HDMI (High-Definition Multimedia Interface) is a connection for transmitting digital audio and video signals between devices. Connect up to four HDMI-equipped source devices to the HDMI inputs using a single-cable connection.

When you connect the HDMI Output to your video display, the AVR 760/ AVR 660 will automatically transcode analog video signals to the HDMI format, upscaling to as high as 1080p.

NOTES: When connecting a DVI-equipped display to one of the HDMI Outputs:

- Use an HDMI-to-DVI adapter.
- Make sure the display is HDCP-compliant. If it isn't, do not connect it to an HDMI Output; use an analog video connection instead.
- Always make a separate audio connection.

Analog 1 – 5 Inputs: Connect the left and right analog audio outputs of a source device to any of these inputs. These inputs may be paired with any video inputs.

NOTES:

The Analog 3 and 4 inputs are each associated with a set of outputs. Consider using these connectors for an audio or video recorder.

You may optionally connect a source to both an analog and digital audio input. This is useful for making recordings, for multizone applications or simply as a backup.

Analog 3 and 4 Outputs: Connect either of these analog audio outputs to the analog audio inputs of a recording device. A signal is available at these outputs whenever an analog audio source is playing.

Zone 2 Audio Outputs: Connect these jacks to an external amplifier to power the speakers in the remote zone of a multizone system.

Subwoofer 1 and 2 Outputs: If you have a powered subwoofer with a line-level input, connect it to the Subwoofer 1 Output. For improved performance, connect a second powered subwoofer to the Subwoofer 2 Output (Subwoofer 2 on AVR 760 only).

The Bridge II Input: Connect the included Harman Kardon The Bridge II docking station to this input for use with most docking iPod models, 4G and later (not included). Turn the receiver off (Standby mode) when connecting The Bridge II.

Fan Vents: This area contains vents used by the AVR 760/AVR 660's fan to cool the system. Maintain a clearance of at least 8 cm from the nearest surface to avoid overheating the unit. It is normal for the fan to remain off at most normal volume levels. An automatic temperature sensor turns the fan on only when it is needed.

IMPORTANT NOTE: Never block the fan vents, as doing so could allow the AVR to overheat to dangerous levels.

Zone 2 Video Output: Connect this composite video jack to a video display located in the remote zone of a multizone system. When the multizone system is in use, viewers in the remote zone will be able to see the AVR's on-screen text menus and any available source video, as long as the source is connected to a Composite Video Input, and that input is specified for that source in the Zone 2 Video setting of the Info Settings menu (AVR 760 only).

Composite and S-Video 1, 2 and 3 Video Inputs: Use these jacks to connect your video-capable source components (e.g., VCR, DVD player, cable TV box) to the receiver. Use only one type of video connection for each source.

Composite and S-Video 2 Outputs: Connect one of these analog video outputs to the composite or S-video inputs of a recording device. A signal is available at these outputs whenever an analog video source is playing.

Composite and S-Video Monitor Outputs: If any of your sources use composite or S-video connections, connect one or both of these monitor outputs to the corresponding inputs on your video display. If your video display is equipped with HDMI or component video inputs, these connections are unnecessary, as the AVR 760/AVR 660 will convert the composite or S-video source signal to the correct format for a single video-cable connection to the TV.

Component Video 1, 2 and 3 Inputs: If a video source has analog component video (Y/Pb/Pr) capability, and if you are not using an HDMI connection, connect the component video outputs of the source to one of the sets of component video inputs. Do not make any other video connections to that source.

Component Video Monitor Outputs: If you are using one of the Component Video Inputs and your television or video display is component-video-capable (but does not have HDMI), connect these jacks to the video display.

NOTES:

- Due to copy-protection restrictions, there is no output at the Component Video Monitor Outputs for copy-protected sources.
- Composite and S-video signals are upscaled to as high as 1080i and available at these outputs. If your video display's best connection is component video, it is the only video connection required from the AVR to the display.

AM and FM Antenna Terminals: Connect the included AM and FM antennas to their respective terminals for radio reception.

Preamp Outputs: Connect these jacks to an external amplifier if more power is desired. The Surround Back/Zone 2 Preamp Outputs may be used with an external amplifier to power the remote zone of a multizone system.

A-BUS Port: Use a Category 5/5e cable to connect this port to optional A-BUS equipment for multizone operation. When the A-BUS system is used, it is possible to have a full 7.2-channel system in the main listening room at the same time the multizone system is in use.

Front, Center and Surround Speaker Outputs: Use two-conductor speaker wire to connect each set of terminals to the correct speaker. Remember to observe the correct polarity (positive and negative connections).

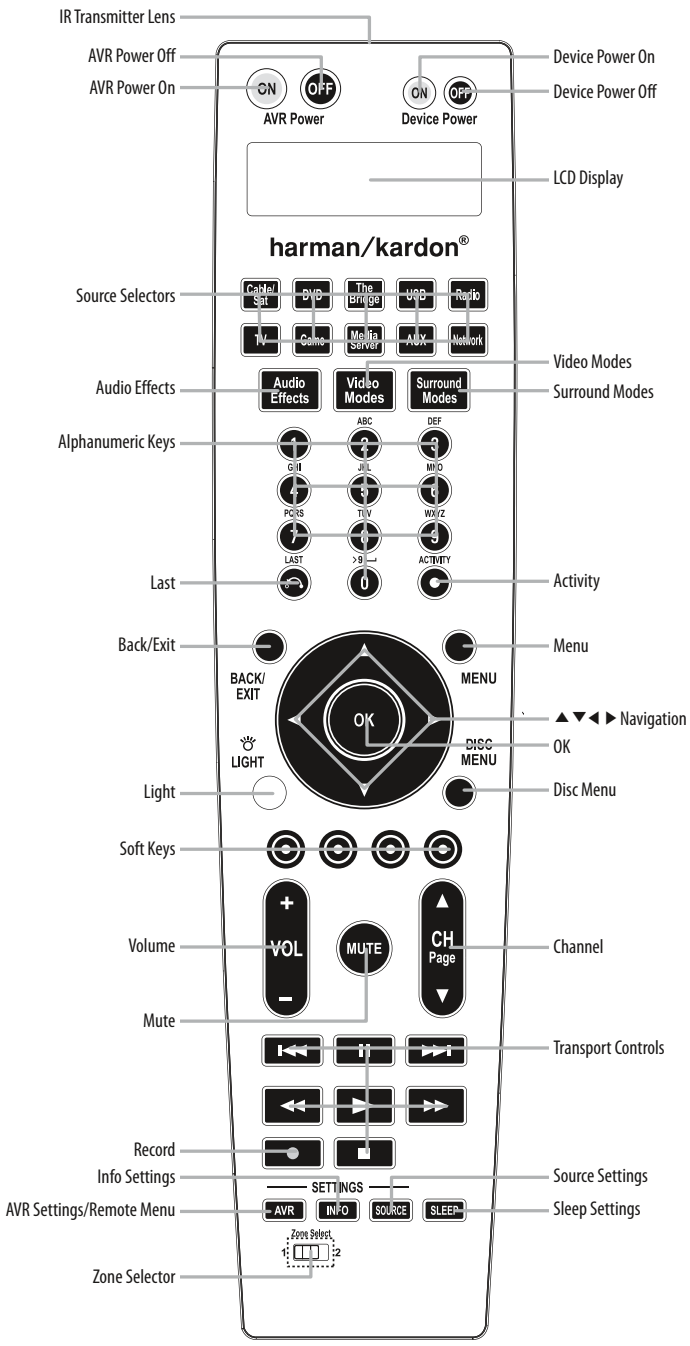
Surround Back/Zone 2 Speaker Outputs: These speaker outputs are used for the surround back channels in a 7.2-channel home theater, or may be reassigned to a remote room for multizone operation.

Switched AC Accessory Outlet: You may plug the AC power cord of one source device into this outlet, and it will turn on whenever you turn on the receiver. Do not use a source that consumes more than 50 watts of power.

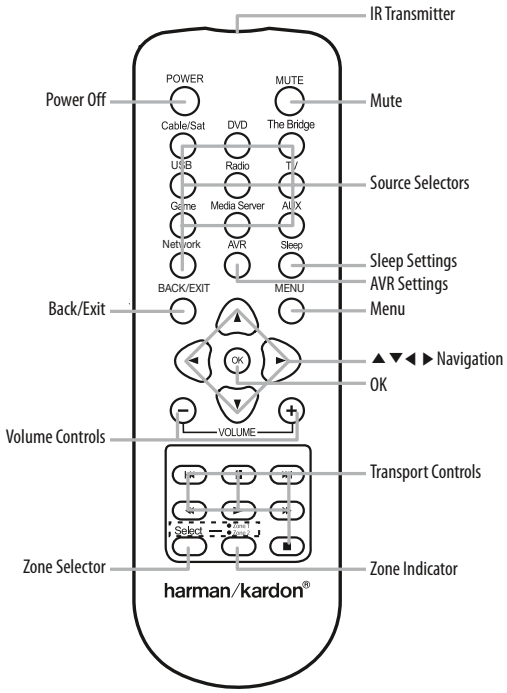
AC Power Input: After you have made all other connections, plug the AC power cord into this receptacle and into an unswitched wall outlet.

A-BUS Power Input: When using optional A-BUS equipment, connect an optional A-BUS power supply to this port.

REMOTE CONTROL FUNCTIONS



MAIN REMOTE CONTROL



ZONE 2 REMOTE CONTROL

The AVR 760/AVR 660 remote is capable of controlling up to 14 devices, including the AVR itself, an iPod docked in the included The Bridge II, a USB device and a Network device (see page 34 for details). During the installation process, you may program the codes for your source components into the remote. To operate a component, press its Selector button to change the device mode. The device mode will appear on the top line of the remote's LCD Display.

NOTE: Four of the sources do not have dedicated Source Selectors: Source A, Source B, Source C and Source D. To select one of these sources, first press the AVR Settings Button, then press the appropriate Soft Key: Red for Source A, Green for Source B, Yellow for Source C and Blue for Source D. These sources may also be selected using the AVR Settings menu.

Each Source Selector has been preprogrammed to control certain types of components, with only the codes specific to each brand and model changing, depending on which product code is programmed. The AUX and Cable/SAT Source Selectors may be used for multiple device types. All of the external Source Selectors may be reassigned to other device types (see Initial Setup section).

AUX Source Selector: CD player, VCR, HDTV set-top box, PVD or TiVo® set-top box. Refer to page 23 for details on Source Selection.

Cable/SAT Source Selector: Cable set-top box or satellite set-top box.

IMPORTANT NOTE: All of the AVR 760/AVR 660's audio and video inputs are independently assignable. Select the inputs to which the device is physically connected during Initial Setup. Any device may be connected to any compatible input and given any name (e.g., DVD or Game).

REMOTE CONTROL FUNCTIONS

Most of the buttons on the remote have dedicated functions, although the precise codes transmitted vary, depending on the device mode. Due to the wide variety of functions for various source devices, only a few of the most-often used functions on the remote have been included: alphanumeric keys, transport controls, television-channel control, menu access, and power on and off.

Buttons dedicated to the AVR are available at any time, even in another device mode: AVR Power On and Off, Audio Effects, Video Modes, Surround Modes, Volume, Mute and Sleep Settings. Press the AVR Settings Button near the bottom of the remote to return it to AVR mode.

A button's function depends on which component is being controlled. See Table A14 in the Advanced Functions Manual for listings of the functions for each type of component.

IR Transmitter Lens: As buttons are pressed on the remote, infrared codes are emitted through this lens.

AVR Power On Button: Press to turn on the AVR. The Master Power Switch behind the front-panel door must be on.

AVR Power Off Button: Press to turn off the AVR 760/AVR 660.

Device Power On Button: Press a device's Source Selector, then press this button to turn on the device.

Device Power Off Button: Press a device's Source Selector, then press this button to turn off the device.

LCD Display: This two-line text display informs you of the current device mode (i.e., which source is active) on the upper line. When you press a key, the command will appear briefly on the lower line.

Source Selectors: Press one of these buttons to select a source device, e.g., DVD or satellite tuner. This will also turn on the receiver and switch the remote's device mode to operate the source. The first press of the Radio Selector switches the AVR to the last-used tuner band (AM or FM). Each successive press changes the band. Similarly, the Network Button toggles between the Network and Internet Radio sources.

Audio Effects: Press to directly access the Audio Effects submenu, which allows adjustment of the AVR's tone and other audio controls. See the Initial Setup section for more information.

Video Modes: Press for direct access to the Video Modes submenu, which contains picture settings to be used after you have adjusted the picture settings on the video display or TV. See the Advanced Functions Manual for more information.

Surround Modes: Press to directly access the Surround Modes submenu. Scroll to the lines for the Surround Mode categories: Auto Select, Virtual Surround, Stereo, Movie, Music or Video Game. The surround mode will change when the menu line is highlighted.
To change the surround mode for the selected category, press the OK Button when the menu line for the Surround Mode category matching the audio program is highlighted, and select one of the available surround mode options using the ▲▼ Buttons. Press the OK Button.
See the Advanced Functions Manual for more information on surround modes.

Alphanumeric Keys: Use these buttons to enter numbers for radio station frequencies or channels, or to select station presets.

Last Channel: When controlling the tuner; a cable, satellite or HDTV set-top box; or a TV, press this button to return to the previous station or channel. For Internet Radio, this is only available to toggle between stations previously saved as presets.

Activity: With this button, up to 11 Activities may be programmed to transmit a series of commands with a single press. Execute an Activity by pressing this button, then the Alphanumeric Key (or the AVR Power On or Off Button by themselves) into which it was programmed. See the Advanced Functions Manual for more information on Activities.

Back/Exit: Press to return to the previous menu or to exit the menu system.

Menu Button: This button is used within the Now Playing menu for the tuner, USB, The Bridge II, Internet Radio and the Network, and to display the main menu on some source devices. To display the AVR 760/AVR 660's main menu, press the AVR Settings Button.

Navigation (▲▼◀ ▶) and OK Buttons: These buttons are used to make selections within the menu system and to operate the tuner.

Light: Press to illuminate the buttons on the remote. Press it again to turn the back light off, or wait 10 seconds after the last button press for the light to turn off on its own.

Disc Menu: While a DVD is playing, press the DVD Source Selector, then this button, to display the disc's menu.

Soft Keys: These buttons are used to select sources A, B, C and D (see note on page 11), or for other functions with some source devices. See Table A14 in the Advanced Functions Manual for details. They are also used with a Teletext-capable television if your broadcast, cable or satellite provider offers Teletext service.

Volume Control: Press to raise or lower the volume.

Mute Button: Press to mute the AVR 760/AVR 660's speaker and headphone outputs. To end the muting, press this button, adjust the volume, or turn off the receiver.

Channel/Page Control: When the tuner has been selected, this control changes the station. When using The Bridge II or a USB drive, this control allows you to scroll a page at a time through a long list of content. While operating a cable, satellite or HDTV set-top box or a television, press these buttons to change channels.

Transport Controls: These buttons are used to control source playback.

Record Button: Use this button to make recordings when an audio or video recorder is in use.

AVR Settings/Remote Menu Button: Press to display the AVR's Main Menu, or to switch the remote to AVR device mode. Press and hold for 3 seconds to access the menu for the remote control. The menu commands and options will appear in the LCD Display.

The functions are: program the codes for a device, learn codes for an individual key, change the device type of a selector, program an activity (macro), program punch-through functions for channel control or transport control, rename a device or a key's function, change the brightness of the back light, reset the remote to its factory-default status, or exit the remote menu. See the Initial Setup section for details on programming the remote, and see the Advanced Functions Manual for further information.

Info Settings Button: Press to display the AVR's Info Menu, which contains the settings for the current source.

Source Settings Button: Press a Source Selector and then this button to display a source device's settings menu.

Sleep Settings Button: Press to activate the sleep timer, which turns off the receiver after a programmed period of time of up to 90 minutes. Each press decreases the timer by 10 minutes, ending with the "Sleep Off" message.

Zone Selector: Use this switch to select whether AVR commands will affect the main listening area (Zone 1) or the remote zone of a multizone system (Zone 2). For normal operation, leave the switch in the Zone 1 position.

ZONE 2 REMOTE CONTROL

The Zone 2 remote control is used in the remote zone of a multizone system with an IR receiver connected to the Zone 2 IR Input or an A-BUS device. It may be used to control the power, volume and mute functions or to select a source input for the remote zone, and to control a Harman Kardon source connected to one of the AVR's Remote IR Outputs or the A-BUS IR Output.

The Zone 2 remote may also be used in the main listening room to directly control the AVR 760/AVR 660 and Harman Kardon DVD, CD or tape players. When the Zone Selector is pressed to switch the remote to Zone 1 mode (the Zone Indicator will turn green), the power, volume and mute controls will only affect the main listening area. To control operation for the remote zone, press the Zone Selector so that the Zone Indicator turns red.

The Zone 2 remote requires two AAA batteries (included) that are installed in the battery compartment on the back of the remote. Make sure to observe proper polarity by matching the + and – symbols on the batteries to the symbols printed inside the compartment.

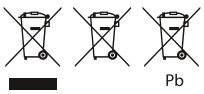
The following explanations describe the buttons that are not similar in function to the main remote control, or are found on the Zone 2 remote control only. For explanations of all other Zone 2 remote control functions, see the descriptions above that cover functions that are common to the two Remote Controls as well as functions available on the Main Remote Control only.

Power: Press to turn the AVR 760/AVR 660 on or off. The AVR also turns on its multizone system automatically when any of the Input Selectors is pressed, even if the AVR itself is in Standby mode. When in the main listening room, press any Input Selector or the AVR Selector to turn on the AVR 760/AVR 660.

Zone Selector and Zone Indicator: Each press of the Zone Selector determines whether the AVR commands will affect the main listening area (Zone 1) or the remote zone (Zone 2). The Zone Indicator will turn green when Zone 1 has been selected, and red for Zone 2. The Zone Indicator will also light briefly whenever any button is pressed.

ENGLISH

Instructions for users on removal and disposal of used batteries. Specification of included battery types.



These symbols shown on the product, the packaging or in the manual or separate information sheet mean that the product itself, as well as the batteries included or built into the product, should never be thrown away with general household waste. Take them to suitable collection points, where proper treatment, recycling and recovery take place, in accordance with national or local legislation, or European Directives 2002/96/EC and 2006/66/EC.

Correct handling of the product and batteries to be disposed of helps to save resources and prevents possible negative effects on the environment or human health.

The batteries included with your equipment may be Alkaline, Carbon Zinc/Manganese or Lithium (button cells) type. All types should be disposed of according to the above instructions.

To remove the batteries from your equipment or remote control, reverse the procedure described for inserting batteries in the Owners Manual.

For products with a built-in battery that lasts for the lifetime of the product, removal may not be possible for the user. In this case, recycling or recovery centers handle the dismantling of the product and the removal of the battery. If, for any reason, it becomes necessary to replace such a battery, this procedure must be performed by authorized service centers.

There are different types of audio and video connections used to connect the receiver, the speakers, the video display, and the source devices. The Consumer Electronics Association has established the CEA® color-coding standard. See Table 1.

Table 1 – Connection Color Guide

Audio Connections			
Front **(FL/FR)**	Left **White**		Right **Red**
Center **(C)**		**Green**	
Surround **(SL/SR)**	**Blue**		**Gray**
Surround Back **(SBL/SBR)**	**Brown**		**Tan**
Subwoofer **(SUB)**		**Purple**	
Digital Audio Connections			
Coaxial		**Orange**	
Optical	Input ■		Output ■
Video Connections			
Component	Y **Green**	Pb **Blue**	Pr **Red**
Composite		**Yellow**	
S-Video		◎	
HDMI™ Connections (digital audio/video)			
HDMI		▭	

Figure 1

Speaker Connections

Speaker cables carry an amplified signal from the receiver's speaker terminals to each loudspeaker. They contain two wire conductors, or leads, inside plastic insulation, that are differentiated in some way, such as with colors or stripes.

The differentiation preserves polarity, without which low-frequency performance can suffer. Each speaker is connected to the receiver's speaker-output terminals using two wires, one positive (+) and one negative (–). Always connect the positive terminal on the speaker, which is usually colored red, to the positive terminal on the receiver, which is colored as indicated in the Connection Color Guide above (Table 1). The negative terminals are both black.

The AVR 760/AVR 660 uses binding-post speaker terminals that can accept bare-wire cables.

Bare wire cables are installed as follows (see Figure 2):

1. Unscrew the terminal cap until the pass-through hole is revealed.
2. Insert the bare end of the wire into the hole.
3. Hand-tighten the cap until the wire is held snugly.

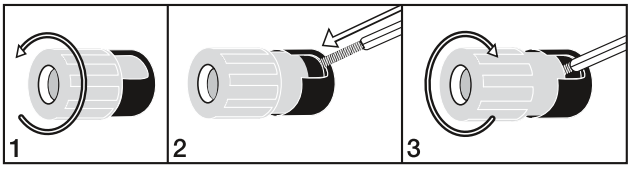


Figure 2 – Binding-Post Speaker Terminals With Bare Wires

Subwoofer

The subwoofer is dedicated to the low frequencies (bass), which require more power. To obtain the best results, most speaker manufacturers offer powered subwoofers that contain their own amplifier. Usually, a line-level (nonamplified) connection is made from the receiver's Subwoofer Output to a corresponding jack on the subwoofer, as shown in Figure 3. The AVR 760 offers the option of connecting two subwoofers to independent outputs, which enables the EzSet/EQ II process to configure each subwoofer precisely to account for its unique characteristics and placement within the room.

Although the purple subwoofer outputs look similar to full-range analog audio jacks, they are filtered to allow only the low frequencies to pass. Don't connect these outputs to any other devices.

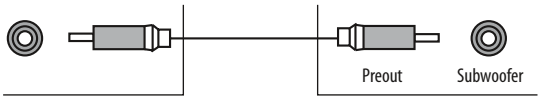


Figure 3 – Subwoofer

CONNECTING SOURCE DEVICES TO THE AVR

Audio and video signals originate in "source devices," including your Blu-ray Disc or DVD player, CD player, DVR (digital video recorder) or other recorder, tape deck, game console, cable or satellite television box, MP3 player, USB drive or network device. The AVR's tuner also counts as a source, even though no external connections are needed, other than the FM and AM antennas.

Separate connections are required for the audio and video portions of the signal, except for digital HDMI connections. The types of connections used depend upon the capabilities of the source device and video display.

Audio Connections

There are two types of audio connections: digital and analog. Digital audio signals are required for listening to sources encoded with digital surround modes, such as Dolby Digital and DTS, or for noncompressed PCM digital audio. There are three types of digital audio connections: HDMI, coaxial and optical. Do not use more than one type of digital audio connection for each source device. However, it's okay to make both analog and digital audio connections to the same source.

NOTE: HDMI signals may carry both audio and video. If your video display device has an HDMI input, make a single HDMI connection from each source device to the AVR. Usually, a separate digital audio connection is not required. Turn the volume on your television all the way down.

ENGLISH

CONNECTIONS

Digital Audio

The AVR 760/AVR 660 is equipped with four HDMI (High-Definition Multimedia Interface) inputs, and one output. HDMI technology enables digital audio and video information to be carried using a single cable, delivering the highest quality picture and sound.

The AVR 760/AVR 660 uses HDMI (V.1.3a with Deep Color) technology and is capable of processing both the audio and video components of the HDMI data, minimizing the number of cable connections in your system. The AVR 760/AVR 660 implements Deep Color, which increases by an order of magnitude the shades of color that can be displayed, and the latest lossless multichannel audio formats, including Dolby TrueHD and DTS-HD Master Audio.

NOTE: Some DVD-Audio, SACD, Blu-ray Disc and HD-DVD players only output multichannel audio through their multichannel analog outputs. Make a separate analog audio connection in addition to the HDMI connection, which is still used for video and to listen to Dolby Digital, DTS or PCM materials that may be stored on the disc.

The AVR 760/AVR 660 converts analog video signals to the HDMI format, including its on-screen menus, upscaling to high-definition 1080p resolution.

The HDMI connector is shaped for easy plug-in (see Figure 4). If your video display has a DVI input and is HDCP-compliant, use an HDMI-to-DVI adapter (not included). A separate audio connection is required. HDMI cable runs are limited to about 3 meter.

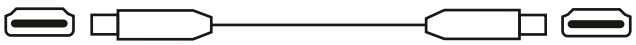


Figure 4 – HDMI Connection

If your video display or source device is not HDMI-capable, use one of the analog video connections (composite, S- or component video) and a separate audio connection.

Coaxial digital audio jacks are usually color-coded in orange. Although they look similar to analog jacks, you should not connect coaxial digital audio outputs to analog inputs or vice versa. See Figure 5.

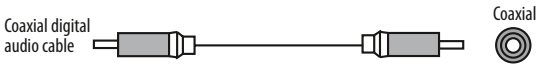


Figure 5 – Coaxial Digital Audio

Optical digital audio connectors are normally covered by a shutter to protect them from dust. The shutter opens as the cable is inserted. Input connectors are color-coded using a black shutter, while outputs use a gray shutter. See Figure 6.

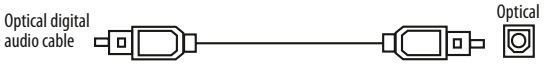


Figure 6 – Optical Digital Audio

Analog Audio

Analog connections require two cables, one for the left channel (white) and one for the right channel (red). These two cables are often attached to each other. See Figure 7.

For sources that are capable of both digital and analog audio, you may make both connections.

The analog audio connection is required for multizone operation, as the AVR 760/AVR 660's multizone system is not capable of converting a digital signal to analog format. Use the analog audio connections even with the Surround Back/Zone 2 speaker outputs, in case another 2-channel digital audio source is in use in the main listening area. The AVR 760/AVR 660 is only capable of processing one PCM source at a time.

You may only record materials from DVDs or other copy-protected sources using analog connections. Remember to comply with all copyright laws, if you choose to make a copy for your own personal use.

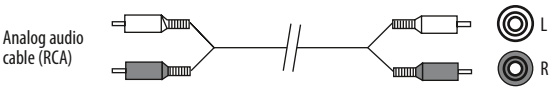


Figure 7 – Analog Audio

Multichannel analog connections are used with high-definition sources that decode the copy-protected digital content, such as some DVD-Audio, SACD, Blu-ray Disc and HD-DVD players. See Figure 8. The multichannel analog audio connection is not required for players compliant with HDMI version 1.1 or better, or that output linear PCM signals via an HDMI connection. Consult the owner's guide for your disc player for more information.

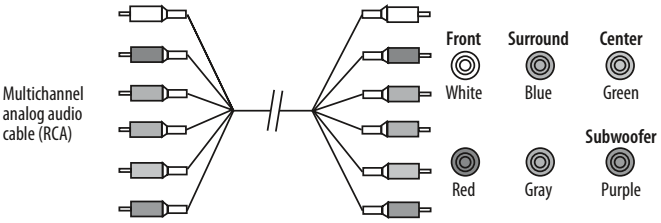


Figure 8 – Multichannel Analog Audio

The AVR 760/AVR 660 also includes a proprietary, dedicated audio connection for The Bridge II docking station for iPod. If you own a docking iPod (most models, 4G or later), connect The Bridge II (included) to The Bridge II port on the receiver. See Figure 9. Dock your iPod (not included) in The Bridge II, and you may listen to your audio materials through your high-performance audio system. You may view still images or video materials stored on a photo- or video-capable iPod that supports video browsing. Use the AVR 760/AVR 660 remote to control the iPod, with navigation messages displayed on the front panel and on a video display connected to the AVR. The Bridge II outputs analog audio to the AVR 760/AVR 660, and is available to the multiroom system.

Figure 9 – The Bridge II port

Video Connections

Many sources output both audio and video signals (e.g., Blu-ray Disc or DVD player, cable television box, HDTV tuner, satellite box, VCR, DVR). In addition to the audio connection, make one type of video connection for each of these sources (only one at a time for any source).

Digital Video

If you have already connected a source device to one of the HDMI inputs, you have automatically made a video connection, as the HDMI signal includes both digital audio and video components.

Analog Video

There are three types of analog video connections: composite video, S-video and component video.

Composite video is the basic connection most commonly available. The jack is usually color-coded yellow, and looks like an analog audio jack. Do not plug a composite video cable into an analog or coaxial digital audio jack, or vice versa. Both the chrominance (color) and luminance (intensity) components of the video signal are transmitted using a single cable. See Figure 10.

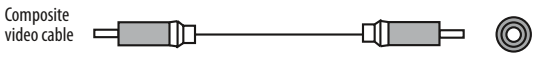


Figure 10 – Composite Video

S-video, or "separate" video, transmits the chrominance and luminance components using separate wires contained within a single cable. The plug on an S-video cable contains four metal pins, plus a plastic guide pin. Align the plug correctly when you insert it into the jack. See Figure 11.

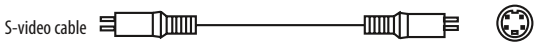


Figure 11 – S-Video

Component video separates the video signal into three components – one luminance ("Y") and two sub-sampled color signals ("Pb" and "Pr") – that are transmitted using three separate cables. See Figure 12.

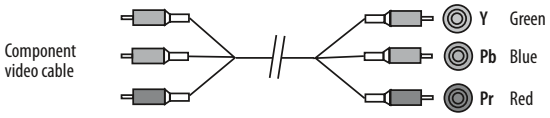


Figure 12 – Component Video

If it's available on your video display, an HDMI connection is recommended as the best quality connection, followed by component video, S-video and then composite video.

NOTES:

- Copy-protected sources are not available at the Component Video Monitor Outputs.
- Standard and high-definition analog video signals may be upscaled to 1080i resolution for the Component Video Monitor Outputs. For improved video performance, consider upgrading to an HDMI-capable video display with 1080p resolution.

ANTENNAS

The AVR 760/AVR 660 uses separate terminals for the included FM and AM antennas.

The FM antenna uses a 75-ohm F-connector. See Figure 13.

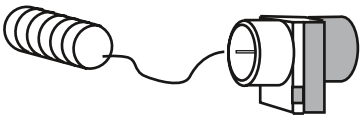


Figure 13 – FM Antenna

The AM loop antenna needs to be assembled. Connect the two leads to the spring terminals on the receiver. The AM antenna leads have no polarity, and you may connect them to either terminal. See Figure 14.

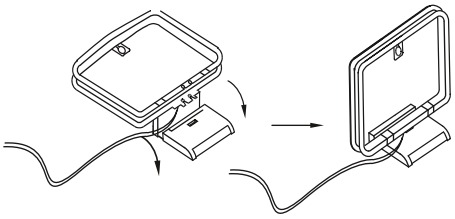


Figure 14 – AM Antenna

RS-232 SERIAL PORT

The RS-232 serial port may be connected to an external computer or control device to allow the external device to transmit control commands to the AVR. The port is bidirectional, so that the AVR can transmit status updates to the control device. Connecting and using the RS-232 port requires technical knowledge, and is best left to a professional custom installer.

Installing the AVR 760/AVR 660 and connecting it to the other system components can be complex. To simplify installation, it is suggested that you design your system before you begin connecting wires and cables.

Although the rear-panel jacks allow for a variety of audio and video connections to other components, the AVR's software organizes the connections into 10 conventional sources: CBL/SAT, DVD, TV, Game, Media Server, AUX, A, B, C and D. The internal sources (the tuner, The Bridge II dock for iPod, the USB Port, the Internet Radio and the Network) will be explained later.

Table A1 in the appendix indicates the default device types for each source, and the default audio/video connection assignments. If the defaults suit your system, then connect your devices to the audio/video inputs shown. Otherwise, design your system as explained below.

1. **Best video connection type for your system**: Examine the video inputs on your TV or video display. Write down the best available video connection type here: _____.
   The options, in order of preference, are: HDMI, DVI (must be HDCP-compliant), component video, S-video or composite video. This is the "system-best" video connection for your system.
2. **Decide which source will be used for each device**: Match up to 10 devices to the 10 conventional sources listed in the Table 2 worksheet below. Use the AUX source for any of these device types: CD player, HDTV set-top box, personal video recorder (PVR), TiVo device or VCR. The A, B, C and D sources were added to the AVR 760/AVR 660 to enable you to benefit from the wide variety of audio and video inputs available, and these sources may be used for any device type.

NOTE: You may match any device type to any source. The device type is only relevant for programming control codes into the handheld remote and, as explained on page 25, you may reassign any Source Selector's device type. Any audio or video source may be connected to any matching jack on the AVR, regardless of device type.

3. **Best video connection for each source**: Examine each source device and write down the best available type of video connection, but not better than the system-best connection. Leave blank audio-only sources, such as a CD player.
4. **Best audio connection for each source**: For each source device, write down the best available type of audio connection. See the note below, and if the HDMI connection may be used for audio, it is the best option. The other options, in order of preference, are: optical digital audio, coaxial digital audio, 2-channel analog audio.

NOTES:

- For multichannel disc players, if both the device and the TV use HDMI connections for video, then check the owner's manual for the device to determine whether it transmits multichannel audio via its HDMI output. If it does, then no separate audio connection is required. If not, write down the multichannel analog audio connection in addition to any other audio type.
- If the device uses an HDCP-compliant DVI output for video, then connect it to one of the AVR's HDMI Inputs using an HDMI-to-DVI adapter, but a separate audio connection will always be required.

ENGLISH

Table 2 – Source Assignment Worksheet

Source	Device Type	Best Video Connection (HDMI, DVI, Component, S-Video, Composite)	Video Input Assigned	Second Composite Video Input for Multizone Operation	Best Audio Connection (HDMI, Optical, Coaxial, 2-Ch Analog, 6-/8-Ch Analog)	Audio Input Assigned (may be one digital plus one or more analog)	Analog Audio Input for Recording or Multizone Operation
Cable/SAT							
DVD							
TV							
Game							
Media Server							
AUX							
A							
B							
C							
D							

5. **Decide which sources to connect to each of the video inputs**: Assign only one unique video input to each source, except that you may add a composite video connection to make the source's video signal available to the multizone system. Use the best type of video connection available for each source.
   - If your system-best video connection is "HDMI", select up to four HDMI source devices and assign them to one of the four numbered HDMI Inputs.
   - If your system-best video connection is "Component", or if you have source devices with component video outputs that weren't assigned to one of the HDMI Inputs, assign up to three devices to one of the three numbered Component Video Inputs.
   - If your system-best video connection is "S-video", or if you have source devices with S-video outputs that have not been assigned to an HDMI or Component Video Input, then assign up to three devices to one of the three numbered S-video Inputs.
   - If your system-best video connection is "Composite Video", or if you have source devices with composite video outputs that have not been assigned to any other video input, then assign up to three devices to one of the three numbered composite video Inputs.

NOTE: If the source device is a video recorder that will be used to record from other devices connected to the AVR, assign the recorder to the Composite or S-Video Video 2 Input, which has a recording output. Any of the Coaxial or Optical Digital Inputs may be assigned to the recorder for audio, if it is capable of making digital audio recordings. To make analog recordings, assign either the Analog 3 or 4 Audio Inputs to the recorder, as both have recording outputs. It is not necessary to connect TiVo or Video Recorder devices that will only record from their direct cable or satellite television signals to the AVR's recording outputs.

6. **Decide which audio inputs to connect to each source**: Assign only one unique digital audio input to each digital source. Assign analog audio inputs to analog sources, or as secondary connections for digital sources for backup, for recording or to make the source available to the multizone system.
   - Any source using an HDMI Input requires no additional connection for audio *unless*:
     - The source doesn't output multichannel audio through its HDMI output. Make a second connection to the 6-/8-Channel Analog Audio Inputs.
     - The source has an HDCP-compliant DVI output for video only. Assign a digital or analog audio input.
   - For any source whose best audio connection is optical or coaxial digital audio, assign one of the four Optical or four Coaxial Digital Audio Inputs. Do not connect both types of digital audio to the same source device.
   - You may assign one of the 2-Channel Analog Audio Inputs to a digital source.
   - You may also assign the 6-/8-Channel Analog Audio Inputs, if available, to a digital source.
   - Assign one of the six 2-channel Analog Audio Inputs to an analog source.

NOTE: If the source device is a digital audio recorder, it may be used with any of the Coaxial or Optical Digital Audio Inputs and Outputs. Both coaxial and optical signals are available at either digital audio output. To make analog recordings, assign either the Analog 3 or 4 Audio Inputs to the recorder, as both have recording outputs.

You are now ready to begin installing the AVR. Before beginning to connect the various components to the receiver, turn off all devices, including the AVR 760/AVR 660, and unplug their power cords. *Don't plug in any of the power cords until you have finished making all of your connections.*

The receiver generates heat. Select a location that leaves several centimeters of space on all sides. Avoid completely enclosing the receiver inside an unventilated cabinet. Place components on separate shelves rather than stacking them directly on top of the receiver. *Never block the AVR's ventilation slots on the top and side panels. Doing so could cause the AVR to overheat, with potentially serious consequences*. Some shelf surface finishes are delicate. Try to select a location with a sturdy surface finish.

Maintain at least 7 cm of free space behind the receiver for free airflow to the fan.

Almost all of the following installation steps are optional, depending on your system. Skip any step that does not apply to your system.

STEP ONE – Connect Source Devices

Leaving all AC power cords unplugged, connect the source devices to the AVR using the audio and video inputs you assigned in Table 2.

STEP TWO – Connect TV

Connect the system-best video input on the TV to the corresponding video monitor output on the AVR.

STEP THREE – Connect Loudspeakers

After you have placed your loudspeakers in the room as explained on page 18, connect each speaker to its color-coded terminal on the AVR. Maintain proper polarity by connecting the negative terminal on the speaker (usually colored black) to the negative terminal on the AVR (also colored black); and the positive terminal on the speaker (usually red) to the positive terminal on the AVR (color varies by channel; see Table 1 on page 15).

If you have a subwoofer, connect its line-level or LFE input to the purple Subwoofer 1 Output. An optional second subwoofer may be connected to the Subwoofer 2 Output.

NOTE: If the subwoofer only has speaker-level inputs, after you have configured the AVR using EzSet/EQ II technology as described on page 26, connect the subwoofer's left and right speaker input terminals to the AVR's Front Left and Front Right Speaker Outputs, then connect the front left and right main speakers to the subwoofer's left and right speaker output terminals. Consult the owner's manual for the subwoofer for specific installation instructions.

STEP FOUR – Connect The Bridge II Dock

To enjoy content stored on a compatible iPod (not included), connect The Bridge II dock (included) to its proprietary connector.

STEP FIVE – Connect FM Antenna

Connect the included FM antenna to the 75-ohm FM antenna terminal.

STEP SIX – Connect AM Antenna

Assemble the included AM antenna (see Figure 17) and connect it to the AM and Ground antenna terminals. The antenna is not polarized, and either lead may be connected to either terminal.

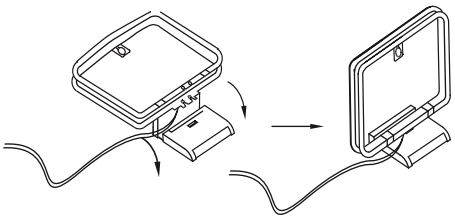


Figure 17 – AM Antenna Assembly

STEP SEVEN – Not active for AVR 760/AVR 660

STEP EIGHT – Connect USB Device

To play MP3 or WMA audio files or JPEG still-image files stored on a USB storage device, connect the device to the front-panel USB Port, using a cable or connector that is attached to the device or provided by you.

STEP NINE – Connect AVR to Internet

To use the AVR's internal Internet Radio tuner to listen to MP3 or WMA audio streams, connect the Network Jack to the Ethernet port on a router or modem that has Internet access, a home network, or directly to a PC. You may need to contact your Internet service provider (ISP), or the manufacturer of your router, to obtain the information necessary to set up the network connection. See pages 33 and 34.

STEP TEN – Connect Remote IR Inputs and Outputs

The AVR 760/AVR 660 is equipped with a Remote IR Input, a Zone 2 Input and both full-carrier and stripped Remote IR Outputs to facilitate use of your system with a remote control in a variety of situations.

When the AVR 760/AVR 660 is placed inside a cabinet or facing away from the listener, connect an external IR receiver, such as the optional Harman Kardon HE 1000, to the Remote IR Input jack. For multizone operation, connect an optional IR receiver, keypad or other control device to the Zone 2 IR Input for remote control of the AVR 760/AVR 660 (and any sources connected to the AVR's Remote IR Output) from the remote zone. Signals transmitted through the Zone 2 IR Input will control source selection and volume for the main or remote zone, depending on the setting of the remote's Zone Selector. If a source device is shared with the main listening area, any control commands issued to that source will also affect the main room.

If any source devices are equipped with a compatible Remote IR Input, use a 1/8-inch mini-plug interconnect cable (not included) to connect the AVR's Remote IR Output to the source device's Remote IR Input.

The AVR 760/AVR 660 outputs a "stripped carrier" IR signal through the Remote IR Output, but a full-carrier IR signal is available at the Carrier Remote IR Output. The Carrier Remote IR Output is only available to one sender at a time, which is assigned in the AVR's Zone 2 menu. Depending on whether you select Zone 2, Front or A-BUS, the Carrier Remote IR will only transmit commands received from the Zone 2 IR Input, the front-panel IR receiver or the A-BUS system to a device connected to it. This avoids having conflicting control commands sent to a device from listeners in different areas of the home.

To control more than one source device through the Remote IR Output, connect all sources in "daisy chain" fashion, connecting each device's IR output to the next device's IR input, starting with the AVR. Connect devices expecting a full-carrier IR signal to the Carrier Remote IR Output, and assign the desired sending zone in the Zone 2 menu. Use the Remote IR Output for devices expecting a stripped signal.

STEP ELEVEN – Install a Multizone System

The AVR 760/AVR 660 offers several methods of distributing audio to other areas in your home, and it also features video distribution.

IMPORTANT SAFETY NOTE: Installing a multizone system typically requires running cables inside walls. Always comply with the appropriate safety codes when installing concealed wiring. Failure to do so may present a safety hazard. If you have any doubt about your ability to work with electrical and telecommunications wiring, hire a licensed electrician or custom installer to install the multizone system.

When the system is installed using method B or C below, multizone operation takes over the Surround Back/ Zone 2 amplifier channels, limiting the system in the main listening room to 5.2 channels.

Select one or all of these methods for audio distribution:

A. **Connect an external amplifier to the Zone 2 Audio Outputs**. It is recommended that you place the amplifier in the same room as the AVR 760/AVR 660 so that a shorter length of interconnect cable is used with a long run of speaker wire to the remote room. A long run of interconnect cable would be subject to signal degradation. Depending on your amplifier, distribute the audio signal to a single pair of speakers, or to several pairs placed in different rooms.
The Zone 2 Audio Outputs offer the benefit of 7.2-channel audio in the main room simultaneously with multizone operation. However, the benefit is achieved with the expense of an additional component, i.e., the amplifier.

B. **Connect the remote room's speakers directly to the Surround Back/Zone 2 Speaker Outputs**. Reassign the Surround Back amplifier channels to power the speakers (see Advanced Functions Manual).
Your main system will be limited to 5.2 channels, affecting playback of programs recorded in 6.1 or 7.1 channels.

C. **Connect an external amplifier to the Surround Back/Zone 2 Preamp Outputs**. This method requires an additional amplifier, but may increase the total number of remote rooms when used with methods A and B.

D. **Connect an A-BUS hub or other A-BUS components to the A-BUS port**. Use Category 5/5e cable, as described in the instructions for your A-BUS components. Connect an optional A-BUS power supply to the A-BUS Power Port on the AVR. The A-BUS system carries the audio signal to the remote components, while receiving IR control codes. A hub may distribute audio to many remote rooms. To control source devices exclusively from the remote A-BUS module, connect the AVR's Carrier Remote IR Output to a compatible IR input on the source, and assign the full-carrier output to the A-BUS system in the AVR's Zone 2 menu. This avoids having conflicting control commands sent to a source intended for the A-BUS system.
IR commands received from the A-BUS system are also distributed to the AVR's other IR outputs. Visit the Web site at www.harmankardon.com for information on available Harman Kardon hubs, the ABH 4 and ABH 4000, and amplified in-wall modules, the AB 1 and AB 2.

Connect a Video Display Device or Switcher (AVR 760 only)

To add video distribution to your multiroom system, connect the Multizone Video Output either directly to the video display in the remote room or to any optional video distribution switchers or amplifiers that may be required.

NOTES:

- Only composite video is output to the multizone system.
- S-video, component or HDMI video sources may not be routed through the multizone system. Make a second, composite video connection for the multizone system.
- When connecting the AVR 760 to the remote room's video display, distance limitations may exist for composite video connections. Although the use of low-loss coax cables may reduce signal loss, optional distribution amplifiers may occasionally be required when long cable runs are used.

Connect IR Control Devices to the Zone 2 IR Input

For methods A, B and C, connect an IR control device to the Zone 2 IR Input for remote-room control of the multizone system, source devices and volume in the remote zone. An A-BUS system does not require a separate IR control connection.

NOTE: Only analog audio sources are available to the multizone system. For digital sources, make a second, analog audio connection. The USB, The Bridge II and Internet Radio sources are available to the multizone system.

STEP TWELVE – Plug in AC Power Cords

Before plugging the AVR into an unswitched electrical outlet, make sure the Main Power Switch behind the front-panel door is off, to prevent the possibility of damaging the AVR in case of a transient power surge. When pressed in, the switch is on. When pressed again to unlatch it, the switch pops out.

You may plug one device that draws no more than 50 watts into the AC Switched Accessory Outlet on the rear panel. Turn on the device's mechanical or master power switch, and that device will power on any time the AVR 760/AVR 660 is turned on (some devices may require additional steps to power on from their standby mode). If the device has a clock or must always be on (such as a cable set-top box programmed to make recordings), do not plug it into this outlet.

The AVR 760/AVR 660 is equipped with a detachable power cord, allowing you to fully wire your system before installing the AVR. Plug the male end of the cord into an unswitched AC outlet, and the female end into the AVR 760/AVR 660.

The Advanced Manual available for download from the harman/kardon web site contains a Table A5 designed for you to enter the information from Table 2 for future reference.

STEP THIRTEEN – Insert Batteries in Remote

The AVR 760/AVR 660 remote control uses four AAA batteries (included).

To remove the battery cover located on the back of the remote, squeeze the tab and lift the cover.

Insert the batteries as shown in Figure 18, observing the correct polarity.

Figure 18 – Remote Battery Compartment

Point the remote's lens toward the front panel of the AVR 760/AVR 660. Make sure no objects, such as furniture, are blocking the remote's path to the receiver. Bright lights, fluorescent lights and plasma video displays may interfere with the remote's functioning. The remote has a range of about 7 meter, depending on the lighting conditions. It may be used at an angle of up to 30 degrees to either side of the AVR.

Leave the Zone Selector Switch at the bottom in the Zone 1 position for normal use.

If the remote seems to operate intermittently, or if pressing a button on the remote does not cause the AVR Settings Button or one of the Source Selectors to light, check or replace the batteries.

STEP FOURTEEN – Program Sources Into the Remote

The AVR 760/AVR 660 remote may be programmed to control many brands and models of DVD players, cable boxes, satellite receivers, the Harman Kardon DMC 1000 digital media center and TVs. It is also preprogrammed to operate your iPod when docked in The Bridge II.

To access the functions for a particular device, switch the remote's device mode. Press the AVR Settings Button to access the codes that control the receiver, or the Source Selector Buttons to access the codes for the devices programmed into the remote.

To program the codes for a source device into the remote:

1. Turn on the source device.
2. Access the remote's menu system by pressing and holding the AVR Settings Button for 3 seconds, until the "Main Menu" and "Program Device" messages appear in the LCD Display.
3. Press the OK Button to select the Program Device function.
4. Use the ▲▼ Buttons to select the Source Selector (or device) to program, and press the OK Button when the desired device appears on the lower line of the LCD Display.
5. For two of the Source Selectors and for sources A, B, C and D, the next step requires you to specify the device type. For the other Source Selectors, proceed to step 6.
   - **Cable/SAT**: Use the ▲▼ Buttons to select either a cable television or satellite television set-top box, and press the OK Button.
   - **AUX**: Use the ▲▼ Buttons to select a CD player, HDTV set-top box, PVD (personal video device, such as a DVR), TiVo system or VCR. Press the OK Button when the desired device appears.
   - **A, B, C, D**: Select any desired device type.
6. Select whether to program the device manually or use the remote's Auto Search capability. Manual programming simply requires you to select the brand name of your device and try a handful of possible codes. There is no need to look up numeric codes; the AVR 760/AVR 660 does the work for you. It is recommended that you select Manual programming first.
   - **Manual Programming**: Use the ▲▼ Buttons to scroll through the list of brands for which the remote has codes stored in its library. When your brand appears on the lower line, press the OK Button.

     The remote will look up the brand in its library and display the number of codes available. Press the "1" Alphanumeric Key first. The remote will transmit the Power Off command associated with the first code set to the device. If the device turns off, then a compatible code set has been found. Press the OK Button to accept it.

     If the device remains powered on, press the "2" Alphanumeric Key. Proceed in this fashion until either a compatible code set is found, or you run out of codes for that brand.

     If you run out of codes, press the Back/Exit Button to end the process, and repeat steps 2 through 5. At step 6, select Auto and follow the instructions in the next bullet.

ENGLISH

- **Auto Programming**: Wait for the remote to retrieve its entire library of codes for the device type. You will have to press the ▲▼ Buttons to transmit every code for the device type until a compatible code set is found.
    1. When a compatible code set is found, press the OK Button to program it into the Source Selector.
    2. Check that other functions control the device correctly. Sometimes manufacturers use the same Power code for several models, while other codes vary. Repeat this process until you've programmed a satisfactory code set that operates most functions.

To change the device type of a Source Selector:

If your system includes two products of one device type but no product corresponding to a different Source Selector, you may program one product into its corresponding Source Selector, and change another Source Selector's device type to program the second product by following this procedure:

1. Access the remote's menu system by pressing and holding the AVR Settings Button for 3 seconds, until the "Main Menu" and "Program Device" messages appear in the LCD Display.
2. Use the ▲▼ Buttons to select "Change Device Type" from the remote's main menu, and press the OK Button.
3. Use the ▲▼ Buttons to select the Source Selector whose device type you wish to change, and press the OK Button. Your selection will appear on the left side of the lower line, while the choice of new device types will appear on the right side.
4. Use the ▲▼ Buttons to select the new device type you wish to assign to the Source Selector, and press the OK Button.
5. Program your product into the Source Selector by choosing the brand, then searching for a compatible code set, as described in the preceding section. If you allow the remote to "time out", then the device type reassignment will not take effect.

To "learn" individual key codes:

If some functions do not work correctly, you may reprogram individual keys from the device's original remote by following this procedure:

1. Place the two remotes with their IR transmitters facing each other, about one inch apart. See Figure 19.

Figure 19 – AVR and Device Remotes "Head to Head"

2. Access the remote's menu system by pressing and holding the AVR Settings Button for 3 seconds, until the "Main Menu" and "Program Device" messages appear in the LCD Display.
3. Use the ▲▼ Buttons to select "Learn" from the remote's main menu, and press the OK Button.
4. When the "Learn Menu" message appears in the upper line of the LCD Display, make sure the "Learn" message appears in the lower line (not "Learn Delete"), and press the OK Button.
5. Use the ▲▼ Buttons to select the device you wish to learn a code for, and press the OK Button.
6. Press the destination button, and the menu will prompt you to press the key on the original remote whose code you wish to program into the destination button. You may learn a new code into the following buttons: Device Power On/Off, Alphanumeric Keys, Last Button, Back/Exit Button, Menu Button, Navigation Buttons, OK Button, Disc Menu Button, the four Soft Keys, Channel Up/Down, Volume Up/Down, Mute and the Transport Controls (including Record).

NOTE: If you press the wrong destination button and wish to cancel the learning process, you must wait about 30 seconds for the remote to "time out". It will exit its program mode and return to normal operation, and you may begin again. Pressing another button will have no effect.

7. Press the key on the original remote, and if the code was learned correctly, the Navigation and OK Buttons will light up. The Learn Menu will prompt you to learn another key, rename the key just learned or exit Learn mode. Use the ▲▼ Buttons to make your selection, and press the OK Button.

To delete a programmed or learned code:

1. Access the remote's menu system by pressing and holding the AVR Settings Button for 3 seconds, until the "Main Menu" and "Program Device" messages appear in the LCD Display.
2. Use the ▲▼ Buttons to select "Learn" from the remote's main menu, and press the OK Button.
3. When the "Learn Menu" message appears in the upper line of the LCD Display, scroll to the "Learn Delete" option, and press the OK Button.
4. The Learn Delete menu offers the options of deleting a single learned key code, an entire device or all devices. Scroll to the desired option and press the OK Button.
   - To delete an individual key code, the remote will first prompt you to select the device containing the key code, then prompt you to press the key. It will confirm the deletion, then offer you the opportunity to delete another learned key or exit the delete key function.
   - To delete an entire device, the remote will prompt you to select the device. When you scroll to the device and press the OK Button, the remote will confirm the deletion and exit its programming mode, returning to normal operation.
   - To delete all devices, wait a few moments while the remote deletes all programmed device codes. It will then return to normal operation.

To rename a key or device:

If you wish to change the name of a device or key as it appears in the LCD Display, follow these steps:

1. Access the remote's menu system by pressing and holding the AVR Settings Button for 3 seconds, until the "Main Menu" and "Program Device" messages appear in the LCD Display.
2. Use the ▲▼ Buttons to select "Rename" and press the OK Button.
3. Use the ▲▼ Buttons to select whether to rename a device or a key, and press the OK Button.
4. Use the ▲▼ Buttons to select the device, either to rename the device itself or a key function used by that device, and press the OK Button.
5. The current name of the device or key will appear on the lower line of the LCD Display, with the cursor at the end of the line.
   Use the ◀ Button to move the cursor to the beginning of the name, then type over the current name using the Alphanumeric Keys.
   Each Alphanumeric Key has the characters available in addition to its number printed above the key. Each press of the key scrolls through the available characters. To move to the next character, either press the ▶ Button or press the next desired Alphanumeric Key.
   Press the OK Button to finish, and the remote will prompt you to rename another key or device, or to exit.

STEP FIFTEEN – Turn On the AVR 760/AVR 660

Two steps are required the first time you turn on the AVR 760/AVR 660.

1. Flip down the Front-Panel Door and press the Main Power Switch in. The Power Indicator on the front panel will turn amber, indicating that the AVR is in Standby mode and is ready to be turned on. Normally, you may leave the Main Power Switch on, even when the receiver is not being used.
2. There are several ways to turn on the AVR from Standby mode.
   a) Press the Standby/On Switch on the front panel.
   b) Using the remote, press the AVR Power On Button or any of the Source Selectors.

NOTES:

- Any time you press one of the Source Selectors on the remote, the remote will switch device modes. To control the receiver, press the AVR Settings Button. Some AVR functions are available in all device modes: Volume Controls (including Mute), Audio Effects, Video Modes, Surround Modes, AVR Settings, Info Settings, Sleep Settings and AVR Power On and Off.
- If you do not see a picture within about 1 minute, refer to the Video Troubleshooting Tips on page 37.

INITIAL SETUP

In this section, you will configure the AVR 760/AVR 660 to match your actual system. A video display must be connected to one of the video monitor outputs on the receiver.

USING THE ON-SCREEN MENU SYSTEM

Although it's possible to configure the AVR using only the remote and the front-panel messages, it is easier to use the full-screen menu system.

The menu system is accessed by pressing the AVR Settings Button on the remote or front panel.

The Main Menu will appear (see Figure 20), and if a video source is playing, it will be visible behind the transparent menu.

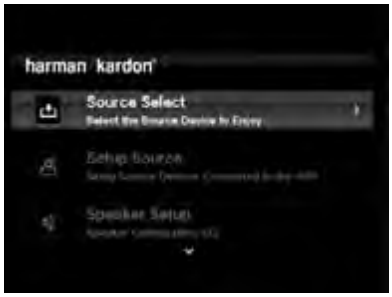


Figure 20 – Main Menu

NOTE: When using the AVR's on-screen menu system, a video output resolution of 720p or higher is recommended for best legibility, and to provide graphics that simplify some configuration options. Depending on the resolution selected, the menus shown by your system may vary in appearance.

The main menu system consists of five submenus: Source Selection, Setup Source, Speaker Setup, Zone 2 and System.

Use the ▲▼◀ ▶ Buttons on the remote or front panel to navigate the menu system, and press the OK Button to select a menu or setting line, or to enter a new setting.

The current menu, setting line or setting will appear in the Message Display, as well as on screen.

To return to the previous menu or exit the menu system, press the Back/Exit Button. Be certain all settings are correct, as any changes you have made will be retained.

Most users should follow the instructions in this Initial Setup section to configure a basic home theater system. You may return to these menus at any time to make additional adjustments, such as those described in the Advanced Functions Manual.

Before beginning initial setup, all loudspeakers, a video display and all source devices should be connected. You should be able to turn on the receiver and view the main menu when you press the AVR Settings Button. If necessary, reread the Installation Section and the beginning of this section before continuing.

Configure the AVR 760/AVR 660, Using EzSet/EQ II Technology

One of the most important steps in setting up a home theater system is to calibrate the receiver to match the loudspeakers, optimizing sound reproduction.

Until recently, most receivers required manual calibration and configuration, a tedious process that called for a good ear or the purchase of an SPL (sound-pressure level) meter. Although you may configure the AVR 760/AVR 660 manually, as described in the Advanced Functions Manual, it is recommended that you take advantage of the signature Harman Kardon EzSet/EQ II system.

Eliminate extraneous background noise, such as noisy air conditioning. Avoid making any loud noises while running EzSet/EQ II setup.

IMPORTANT SAFETY NOTE: During the EzSet/EQ II procedure, a series of very loud test sweeps will be played through all of the speakers. Avoid sitting or standing close to any one speaker during the procedure. If you are particularly sensitive to loud noises, you may wish to leave the room and have someone else run the EzSet/EQ II process.

STEP ONE – Place the included EzSet/EQ II microphone in the listening position or in the center of the room, at about the same height as the listeners' ears. The microphone features a threaded insert on the bottom, for mounting on the included extension rod or a camera tripod.

STEP TWO – Plug the EzSet/EQ II microphone into the EzSet/EQ II Microphone Input Jack on the front of the receiver, and set the level control on the subwoofer to the halfway point.

STEP THREE – Turn on the AVR 760/AVR 660 and the video display. Press the AVR Settings Button to display the Main Menu. Use the ▼ Button to highlight the Speaker Setup line, then press the OK Button. See Figure 21.

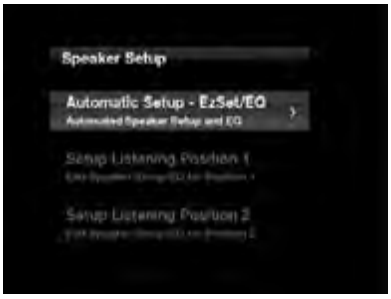


Figure 21 – Speaker Setup Menu Screen

Select "Automatic Setup-EzSet/EQ II".

To return to the Speaker Setup menu without starting the EzSet/EQ II process, select Back. When you are ready to begin, select Continue. To manually program the speaker crossover settings before the EzSet/EQ II test is run, select Manually Set Crossovers. It is recommended that you allow the EzSet/EQ II process to detect the crossovers and only adjust them manually if you have previously run the EzSet/EQ II test and you wish to change the settings to obtain different results.

NOTE: The AVR 760/AVR 660 will automatically set its master volume to –25dB.

STEP FOUR – After you select "Continue", the test will begin. Maintain silence during the EzSet/EQ II configuration.

As the EzSet/EQ II system tests each speaker, its position will appear on screen. If the test sweep is heard from a different speaker than the one indicated on screen, turn off the AVR and check the speaker-wire connections, then begin again.

When the Speaker Detection test is completed, select the Continue option. The results will be displayed, along with these options:

- The Retest option repeats the EzSet/EQ II process. Increase the master volume manually, if some speakers were not correctly detected.
- Select Cancel to return to the Speaker Setup menu.

See the Advanced Functions Manual for instructions on how to manually configure the speakers or manually adjust the settings established by the EzSet/EQ II process.

During the Near Field test, follow the instructions that appear on screen. You may be directed to hold the microphone about 60 cm away from some speakers.

When the test is finished, you will be given the option of saving the EzSet/EQ II test results in one of two "listening positions" (AVR 760 position 1+2, AVR 660 1 position), or not saving the results at all. The purpose is to allow you to run the AVR 760 EzSet/EQ II tests for two different frequently used listening positions within the room to optimize performance, depending on how you use the room.

After the results have been saved, the menu for manual adjustment of the listening position settings will appear. See the Advanced Functions Manual for instructions on manually adjusting the speaker settings.

If you do not save the results, you may go back and repeat the EzSet/EQ II test.

You may adjust the settings for either listening position (AVR 760 position 1+2, AVR 660 1 position), or repeat the EzSet/EQ II test, from the Speaker Setup menu (Figure 21).

Set Up Sources

The Info Settings menu is used to assign the correct physical audio and video connections to each source.

The following settings are not optional and must be adjusted now to enable playback of each source: Video Input From Source, Audio Input From Source and Resolution to Display. The other settings may be adjusted later.

To display the Info Settings menu, press the Info Settings Button (front panel or remote). Or, from the Main Menu, select the Setup Source line and select a source from the slide-in menu. A screen similar to the one shown in Figure 22 will appear.

Figure 22 – Setup Source Menu

Audio Effects: Displays the Audio Effects submenu, where you may adjust the Dolby Volume setting, the bass and treble tone controls, and the LFE trim, or you may select the EzSet/EQ II listening position (AVR 760). These settings affect each source independently. Leave this submenu at its default settings, and return to it later if your system requires fine-tuning. See the Advanced Functions Manual for more information.

Video Modes: Displays the Video Modes submenu, where you may make picture adjustments for each source independently. Leave the settings at their factory defaults. Picture adjustments should be made to your video display first, with this menu used only for fine-tuning. See the Advanced Functions Manual for more information.

Surround Modes: Displays the Surround Modes submenu, where you may program surround modes for analog movies, music and games for each source independently.
Digital surround signals, such as Dolby Digital and DTS, are automatically played in their native formats, although you may change the surround mode. See the Advanced Functions Manual for more information.

Audio Format From Source: This line is informational only. When a digital program is playing, its format will be identified here. When analog audio programs are playing, this line displays ANALOG.

Audio and Video Input Selection

See Table A2 in the appendix for the factory default input assignments for each source. You may assign any available input to any source using the Info Settings menu.

When a source is selected, the AVR will check the assigned digital audio input for a signal. If one is present, the digital input will be selected. If not, the AVR will select the analog audio input specified at the Audio Auto Polling line of the Info Settings menu. If you don't want the AVR to select an analog audio input for the source, leave this setting at its default of Off.

The AVR will also select the assigned video source. The only "audio-only" sources on the AVR 760/AVR 660 are the Radio, The Bridge II (video may be available; see page 35), USB, the Network and Internet Radio, which use special on-screen menus. If no video signal is present, the display will remain black. You may pair an audio device with an A/V device's video signal using the Info Settings menu. Sources may share audio or video inputs.

NOTE: The Bridge II obtains its audio and video signals (when available) from the iPod docked in it, and it may not be used with other audio or video sources.

Video Input From Source: Assign the correct video input. Refer to Table 2, where you noted the physical video input the source is connected to, and select that input here.

Audio Input From Source: Assign the correct analog or digital audio input. Refer to Table 2, where you noted the physical audio input the source is connected to, and select that input here. If both analog and digital audio connections were made, select the digital input here, and select the analog input at the Audio Auto Polling and Zone 2 Audio lines below.

6-/8-Channel Inputs

The 6-/8-Channel Analog Audio Inputs are used when playing certain multichannel discs (DVD-Audio, Blu-ray Disc, SACD and HD-DVD) on a player that decodes the audio and outputs it via its multichannel analog audio outputs but not via its HDMI output.

HDMI-Equipped Multichannel Disc Player:

- Connect the player's HDMI output to one of the AVR's HDMI Inputs. No other connections are necessary.
- Assign the HDMI Input to both the Audio and Video Input From Source settings.

HDMI-Equipped Multichannel Disc Player That Does Not Output Multichannel Audio via an HDMI Connection:

- Connect the player's HDMI output and its multichannel analog audio outputs to one of the AVR's HDMI Inputs and to the AVR's 6-/8-Channel Analog Audio Inputs.
- Assign the HDMI Input to both the Audio and Video Input From Source settings.
- When listening to DVD-Video discs, CDs or other materials outputting standard-definition digital audio, do nothing, as long as the HDMI Input is assigned to the Audio Input From Source setting.
- To listen to high-resolution multichannel discs, change the Audio Input From Source setting to "6/8 Channel". Change it back to the HDMI Input to listen to standard-resolution digital materials.

Multichannel Disc Player Without HDMI Output, or When Video Display Has No HDMI Input:

- Connect the player's component video outputs to one set of Component Video Inputs on the AVR. Depending on the capabilities of the player and your video display, you may need to use a composite or S-video connection instead.
- Connect the player's digital audio output to a digital audio input on the AVR.
- Connect the player's multichannel audio outputs to the AVR's 6-/8-Channel Analog Audio Inputs.
- Assign the correct digital audio and analog video inputs to the Audio and Video Input From Source settings.
- When listening to DVD-Video discs, CDs or other materials outputting standard-definition digital audio, do nothing, as long as the correct digital audio input is assigned to the Audio Input From Source setting.
- To listen to high-resolution multichannel discs, change the Audio Input From Source setting to "6/8 Channel". Change it back to the digital audio input to listen to standard-resolution digital materials.

NOTE: The AVR is capable of processing the signal received at the 6-/8-Channel Analog Audio Inputs. With these inputs selected, press the Audio Effects Button to view the Audio Effects menu. Change the Tone Control setting to "On", and you may adjust the Dolby Volume setting, the tone controls or the EzSet/EQ II settings. With the Tone Control setting off, the AVR will pass the incoming signal directly to the volume control, without digitizing or processing it.

Resolution to Display: This setting reflects the video output resolution, which is dependent upon the capabilities of the video display.

- If the display is connected to the AVR's HDMI Output, the two devices will communicate with each other, and the AVR will automatically select the best available video output resolution.
- If the display is connected to the AVR's Component Video Outputs, there is no automatic detection of the display's capabilities, and the video output resolution must be manually adjusted to match the display's capabilities (which may be obtained from the display's manual or its manufacturer's Web site).
- If the display is connected to the AVR's Composite or S-Video Monitor Output, the video output resolution must be set to 576i (the factory default) to view any content, including the AVR's own menus.

Adjust the resolution by pressing the front-panel Resolution Button and using the ▲▼ Buttons until the correct setting appears in the front-panel Message Display. For composite and S-video, the correct setting is 576i. For component video, it is the highest resolution where a picture is visible. You will be prompted to accept or cancel the resolution change; the CANCEL message will appear on the front panel with a timer countdown. Press the ▼ Button to view the ACCEPT option before the timer reaches 0, and then press the OK Button.

NOTE: When the display has a DVI input which is connected to the AVR using an HDMI-to-DVI adapter, the picture will be distorted or blank if the display is not HDCP-compliant. In that case, a different video connection must be used (component, composite or S-video).

Resolution From Source: Informational only. Indicates the resolution of the video output by the source device.

HDMI Bypass: When an HDMI source signal is in use and the system includes an HDMI-capable display, the HDMI Bypass mode passes the source signal directly to the HDMI Output, bypassing all video processing within the AVR, including video output resolution adjustment. To allow the AVR to process all video, including "blending" the source video with its on-screen messages and menus so that you may adjust the AVR without missing any portion of the program, turn this setting off. When the HDMI Bypass mode is on, it is not possible to "blend" the video source signal with the AVR's on-screen menus. When any remote or front-panel buttons are pressed, the AVR will momentarily exit HDMI Bypass mode and display the on-screen menu on a black background. After the menu is cleared from the screen, either by timing out or when the Back/Exit Button is pressed, the AVR will return to HDMI Bypass mode.

Change Name: Change the display name for your source, which is useful if your source's device type is different from the available source names. Select this line and use the ▲▼ Buttons to scroll forward or reverse through the alphanumeric characters. When the desired character appears, use the ▶ Button to move the cursor to the next position. Move the cursor again to leave a blank space. When you have finished, press the OK Button. The name will appear on the front panel and next to its original name, e.g., DVD, throughout the on-screen menu system. To clear the entry without making any changes, scroll to the blank character before "A".

Adjust Lip Sync: Resynchronizes the audio and video signals from a source to eliminate a "lip sync" problem. Lip sync issues can occur when the video portion of a signal undergoes additional processing in either the source or the video display. The Lip Sync adjuster appears by itself, enabling you to view the video while listening to the audio. Use the ◀ ▶ Buttons to delay the audio by up to 180ms. See Figure 23.

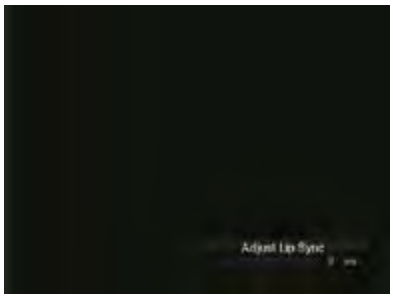


Figure 23 – Adjust Lip Sync

Input Level From Source: This setting defaults to 0dB for all sources. If you notice that one device tends to sound louder or softer than other sources in your system, use the ◀ ▶ Buttons to adjust the input level from the source to compensate for the volume difference without compressing or distorting the signal. This setting is not the same as the Dolby Volume setting in the Audio Effects menu, which adjusts for volume differences within the source, e.g., television commercial advertisements versus the main program. See page 30 for information on the Dolby Volume setting.

Audio Auto Polling: Used when both analog and digital audio connections are made. When no digital signal is present, the AVR will automatically switch to the analog audio input.

This can be useful for older cable television systems that broadcast channels in both analog and digital audio.

If an analog audio connection was made, select it here. If not, choose the Off setting, and the AVR will always use the digital audio connection.

Zone 2 Audio: Determines the audio source for the multizone system remote zone. Select the analog audio input the source is connected to. Digital audio is not available to the multizone system.

Zone 2 Video: Determines the video source for the multizone system remote zone. Select the composite video input the source is connected to. Only composite video sources are available to the multizone system (AVR 760 only).

Trigger 2: Determines whether a signal will be present at the Trigger 2 Output when this source is selected.

Record Out: Determines the signal available at the analog audio outputs.

- **Analog**: Passes through the analog audio signal selected as the source input.
- **DSP Downmix**: When a multichannel audio source is selected as the input, the AVR creates a 2-channel "LtRt" analog downmix of the signal.

Press the Back/Exit Button, then return to the Setup Source line of the Main Menu to configure the next source. When you have finished, press the Back/Exit Button to clear the menus from view.

You are now ready to begin enjoying your new receiver!

Now that you have installed your components and completed a basic configuration, you are ready to begin enjoying your home theater system.

TURNING ON THE AVR 760/AVR 660

Flip down the Front-Panel Door and press the Main Power Switch in. The Power Indicator on the front panel will turn amber, indicating that the AVR is in Standby mode and is ready to be turned on. The Main Power Switch is normally left on.

There are several ways to turn on the AVR 760/AVR 660:

a) Press the Standby/On Switch on the front panel.

b) Using the remote, press the AVR Power On Button or any of the Source Selectors.

To turn the receiver off, press either the Standby/On Switch on the front panel or the AVR Power Off Button on the remote. Unless the receiver will not be used for an extended period of time, leave the Main Power Switch on. When the Main Power Switch is turned off, any settings you have programmed will be preserved for up to four weeks.

IMPORTANT NOTE: If the PROTECT message ever appears in the Message Display, turn off the AVR and unplug it. Check all speaker wires for a short. If none is found, bring the unit to an authorized Harman Kardon service center for inspection and repair before using it again.

VOLUME CONTROL

Adjust the volume either by turning the knob on the front panel (clockwise to increase volume or counterclockwise to decrease volume), or by pressing the Volume Control on the remote. The volume is displayed as a negative number of decibels (dB) below the 0dB reference point.

0dB is the maximum recommended volume for the AVR 760/AVR 660. Although it's possible to turn the volume to a higher level, doing so may damage your hearing and your speakers. For certain more dynamic audio materials, even 0dB may be too high, allowing for damage to equipment. Use caution with regard to volume levels.

To change the volume level display from the default decibel scale to a 0-to-90 scale, adjust the Volume Units setting in the System Settings menu, as described in the Advanced Functions Manual, available on the harmankardon.com web site.

Dolby Volume

The AVR 760/AVR 660 is one of the first products to implement Dolby Volume processing, which can improve the audio performance of the system by revealing subtle details even at normal home-listening volumes.

One concern of the typical home theater listener is that volumes can vary widely for different programs played by a source, e.g., television commercial advertisements are often much louder than the main feature. Another is that details heard in the recording studio at typically high reference volumes are lost at the lower volumes used by many listeners.

The AVR 760/AVR 660 uses two Dolby Volume techniques to address these issues. The Leveler module maintains a consistent listening volume within a source, e.g., while watching commercial television or while listening to different tracks on a USB drive. The Modeler module endeavors to re-create the reference presentation that was heard in the recording studio without losing portions of the program at the typically lower volume levels often used in the home. When the Modeler module is active, you may notice details of the performance that were hidden when the program was played on other equipment.

To adjust the Dolby Volume setting, press the Audio Effects Button. A screen similar to the one shown in Figure 24 will appear. Move the cursor to highlight the Dolby Volume setting, and each press of the OK Button will switch to one of the options in Table 3 below. The settings do not refer to the volume level, which is adjusted normally using the Volume Control, but rather to the amount of Dolby Volume processing desired. See Figure 24.

Figure 24 – Adjust Dolby Volume

Table 3 – Dolby Volume Settings

Setting	Effect
Off	No Dolby Volume processing
Low	Only Dolby Volume Modeler module is active
Medium	Both Modeler and Leveler modules are active; Leveler module has a value of 3
Max	Both Modeler and Leveler modules are active; Leveler module has a value of 9

NOTE: Dolby Volume is compatible with sources recorded at a sampling rate of 48kHz. High-resolution sources, such as DTS 96/24, will be decoded at 48kHz. DTS 96/24 programs will be played in DTS 5.1 mode. To hear DTS 96/24 materials in high resolution, turn off Dolby Volume.

Dolby Volume Calibration Offset

Calibration Offset is a feature of Dolby Volume that allows you to adjust the calibration of the AVR 760/AVR 660 to optimally match your speakers and listening environment. The AVR 760/AVR 660 is calibrated with the average speaker sensitivity in mind; however, different speakers may have different sensitivities. Use Calibration Offset to adjust the calibration of the AVR 760/AVR 660 according to the types of speakers you have.

The average home audio speaker sensitivity is 88dB SPL (8 ohms, 1 watt, 1 meter). Check the sensitivity specification for your loudspeakers, found in the owner's manual or on the manufacturer's Web site. If your speakers have a sensitivity rating greater than 88dB SPL, increase Calibration Offset by the difference between your speakers' sensitivity and 88dB. If they have a sensitivity rating of less than 88dB SPL, decrease Calibration Offset by the difference between your speakers' sensitivity and 88dB.

To adjust the Calibration Offset, press the AVR Settings Button and scroll to the System Setup menu, then select it. Scroll to the Dolby Volume Calibration line, which defaults to 0dB. Use the ◀ ▶ Buttons to adjust the setting within the range of −10dB to +10dB.

MUTE FUNCTION

To temporarily mute all speakers and the headphones, press the Mute Button on the remote. Any recording in progress will not be affected. The MUTE message will appear in the display as a reminder. To restore normal audio, press the Mute Button again, or adjust the volume. Turning off the AVR will also end muting.

SLEEP TIMER

The sleep timer sets the AVR to play for up to 90 minutes and then turn off automatically.

Press the Sleep Settings Button on the remote, and the time until turn-off will be displayed. Each additional press of the Sleep Button decreases the play time by 10 minutes, with a maximum of 90 minutes. The SLEEP OFF setting disables the sleep timer.

When the sleep timer has been set, the front-panel display will automatically dim to half-brightness and the Volume Control will go dark.

If you press the Sleep Button after the timer has been set, the remaining play time will be displayed. Press the Sleep Button again to change the play time.

AUDIO EFFECTS

Adjust the Dolby Volume setting, tone controls, LFE trim or equalization, or select a speaker configuration to improve performance. Access these settings from the Audio Effects submenu, as described in the Advanced Functions Manual.

It is recommended that you leave the settings at their default values until you are more familiar with your system.

VIDEO MODES

The settings in the Video Modes menu are used to fine-tune the picture, if necessary, after making all adjustments on the video display. It is recommended that you leave the settings at their defaults. See the Advanced Functions Manual for detailed information.

HEADPHONES

Plug the 1/4"-inch plug on a pair of headphones into the jack behind the front-panel door for private listening. The default Dolby Headphone bypass mode delivers a conventional 2-channel signal to the headphones.

Press the Surround Modes Button on the front panel or the remote, to switch to Dolby Headphone virtual surround processing, which emulates a 5.1-channel speaker system. No other surround modes are available for the headphones.

SOURCE SELECTION

Press the front-panel Source List Button. Use the ▲▼ Buttons to scroll through the sources. Using the on-screen menus, press the AVR Settings Button, highlight "Source Select" and press the OK Button. Scroll to the desired source in the slide-in menu and press the OK Button.

For direct access to any source, press its Source Selector on the remote. To directly select Source A, B, C or D, first press the AVR Settings Button, then press the appropriate Soft Key: red for Source A, green for Source B, yellow for Source C or blue for Source D. When using the Zone 2 remote, make sure to connect the Zone 2 Video Output to a display in the remote zone, and select these sources using the on-screen menu system.

The AVR selects the audio and video inputs assigned to the source, and any other settings made during setup.

The source name, the audio and video inputs assigned to the source, and the surround mode will appear on the front panel. The source name and surround mode will also appear on screen.

VIDEO TROUBLESHOOTING TIPS:

If there is no picture:

- Check the source selection and video input assignment.
- Check the wires for a loose or incorrect connection.
- Check the video input selection on the display device (TV).
- Press the front-panel Resolution Button and use the ▲▼ Buttons until the correct video output resolution is selected and a picture appears. The CANCEL message will appear. Press the ▼ Button to view the ACCEPT option, then press the OK Button.

Additional Tips for HDMI Connections:

- Turn off all devices (including the TV, AVR and any source components).
- Unplug the HDMI cables, starting with the cable between the TV and AVR, and continuing with the cables between the AVR and each source device.
- Carefully reconnect the cables from the source devices to the AVR. Connect the cable from the AVR to the TV last.
- Turn on the devices in this order: TV, AVR, source devices.

ENGLISH

USING THE TUNER

To select the AVR 760/AVR 660's built-in tuner:

1. Press the Source List Button on the front panel. Use the ▲▼ Buttons to scroll to the desired tuner band.
2. Press the Radio Source Selector on the remote. Press it again to switch bands (AM or FM).

A screen similar to the one shown in Figure 25 will appear.

Figure 25 – FM Radio

Use the ▲▼ Buttons or the Channel Control to tune a station, as displayed on the front panel and on screen.

The AVR defaults to automatic tuning, meaning each press of the ▲▼ Buttons scans through all frequencies until a station with acceptable signal strength is found. To switch to manual tuning, in which each press of the ▲▼ Buttons steps through a single frequency increment (0.1MHz for FM, or 10kHz for AM), press the Menu Button. The Mode line will display the current setting. Each press of the OK Button toggles between automatic and manual tuning modes.

When an FM station has been tuned, toggling the tuning mode also switches between stereo and monaural play, which may improve reception of weaker stations.

A total of 30 stations (AM and FM together) may be stored as presets. When the desired station has been tuned, press the OK Button, and two dashes will flash in the front-panel display. Use the Alphanumeric Keys to enter the desired preset number.

To tune a preset station, press the ◀ ▶ Buttons or the ⏮ ⏭ Transport Controls, or press the Menu Button and scroll to the desired preset, then press the OK Button; or enter the preset number using the Numeric Keys. For presets 10 through 30, press 0 before the preset number. For example, to enter preset 21, press 0-2-1.

RDS Operation

The AVR 760/AVR 660 is equipped with RDS (Radio Data System), which brings a wide range of information to FM radio. Now in use in many countries, RDS is a system for transmitting station call signs or network information, a description of station program type, text messages about the station or specifics of a musical selection, and the correct time.

As more FM stations become equipped with RDS capabilities, the AVR will serve as an easy-to-use center for both information and entertainment. This section will help you take maximum advantage of the RDS system.

RDS Tuning

When an FM station is tuned in and it contains RDS data, the AVR will automatically display the station's call sign or other program service in the Message Display and on the tv screen if this is on.

RDS Display Options

The RDS system is capable of transmitting a wide variety of information in addition to the initial station call sign that appears when a station is first tuned. In normal RDS operation the display will indicate the station name, broadcast network or call letters. Pressing the Play Button ► on the Remote enables you to cycle through the various data types in the following sequence:

- The station's call letters (PS) (with some private stations other information too).
- The station's frequency (FREQ MODE), which is always shown on the TV On-Screen Display, is shown in the Message Display.
- The Program Type (PTY).

NOTE: Many stations do not transmit a specific PTY. The display will show NONE, when such a station is selected and PTY is active.

- A "text" message (Radiotext, RT) containing special information from the broadcast station. Note that this message may scroll across the display to permit messages longer than the eight positions in the display. Radiotext is not shown on the TV On-Screen Display.
- The current time of day (CT). Note that it may take up to two minutes for the time to appear, in that time the letters CT are shown in the information display when CT is selected. Please note that the accuracy of the time data is dependent on the radio station, not the AVR.

Some RDS stations may not include some of these additional features. If the data required for the selected mode is not being transmitted, the Message Display will show a NO TYPE, NO TEXT or NO TIME message after the individual time out.

In any FM mode the RDS function requires a strong enough signal for proper operation.

Program Search (PTY)

An important feature of RDS is its capability of encoding broadcasts with Program Type (PTY) codes that indicate the type of material being broadcast.

You may search for a specific Program Type (PTY) by following these steps:

1. Press the Play button ► until the current PTY is shown in the Main Information Display.
2. While the PTY is shown, press the CH/Page Up/Down or the ◀ ▶ Buttons or hold them pressed to scroll through the list of available PTY types, as shown above starting with the PTY currently received.
3. Press either of the ▲▼ Buttons. The tuner begins to scan the FM band upwards or downwards for the first station that has RDS data that matches the desired selection, and acceptable signal strength for quality reception.
4. The tuner will make up to one complete scan of the entire FM band for the next station that matches the desired PTY type and has acceptable reception quality. If no such station is found, the display will read NONE for some seconds and the tuner will return to the last FM station in use before the search.

USB PLAYBACK

To enjoy audio and still-image playback of media stored on a USB flash drive, connect the drive to the front-panel USB Port and select the USB source on the AVR. Press the Menu Button and select "Browse USB". The AVR will list the folders and files of audio and still-image content. Do not connect a personal computer or peripheral to the USB Port. USB hubs and multi-card readers are not supported.

IMPORTANT NOTE: The AVR 760/AVR 660's internal processor requires about 10 seconds to detect, recognize and connect to a USB device. Please wait 10 seconds after inserting a device or switching the USB source before attempting to browse the device. If you try to browse the device sooner, the AVR may not display the device's contents correctly in the on-screen slide-in menu. If that happens, remove the device and reinsert it into the USB Port, then wait 10 seconds before browsing. Always stop playback before removing a USB drive, and wait at least 10 seconds before inserting another drive.

- To expand a folder, press the OK Button or the ▶ Navigation Button.
- To collapse a folder or return to the previous menu level, press the Back/Exit Button or the ◀ Button.
- To play all audio or still-image files within a folder, select the folder and press the OK Button or the Play Button.
- To skip to the next track or image, press the ▶ Navigation Button.
- To return to the beginning of the current track, press the ◀ Button once; to return to the previous track, press the ◀ Button twice. When displaying images, pressing the ◀ Button returns to the previous image.
- The Transport Controls may be used to control playback for skipping to the previous or next track, searching at high speed forward or backward within a track, playing a file, pausing playback or stopping playback.
- To repeat a file or folder, press the Menu Button and select the Repeat option. Each press of the OK Button will change the setting from Off (no repeat) to Repeat One (file) to Repeat All (files at the current directory level of the drive). Repeat All will always be activated when Random Music playback is turned on.
- To play the audio tracks in random order, press the Menu Button and select the Random Music setting. Each press of the OK Button turns the setting on or off. The AVR will automatically repeat the tracks until playback is stopped manually.
- To view the still images in random order, press the Menu Button and select the Random Photos setting. Each press of the OK Button turns the setting on or off.
    - To view a slideshow of images, select a folder containing the images for playback. You may also select audio files stored on the same device for playback as background music to the slideshow. Select the audio file, then the image files.
    - When both music and a slideshow are playing, if the slide-in menu is not displayed, press the ◀ ▶ Buttons to skip to the next picture or return to the previous picture. When the slide-in menu is displayed, press the ◀ ▶ Buttons to skip to the next or previous audio track.
    - While an image is being displayed, each press of the ▲ Button rotates the image 90º clockwise, and each press of the ▼ Button rotates the image 90º counterclockwise.
    - To change the duration of each image on screen during a slideshow, press the Menu Button and select the Slideshow Speed setting. Each press of the OK Button changes the speed: Slow, Medium or Fast.

INTERNET RADIO

With its network connection, the AVR 760/AVR 660 opens a world of MP3- and WMA-format streams when Internet access is available. Connect the RJ-45 Network jack on the AVR to an Ethernet port on a home-network router. Turn on the AVR and the video display, and press the Network Selector on the remote. Each press toggles between the Network Now Playing and Internet Radio screens.

With the Internet Radio screen displayed, the AVR will automatically connect to the Internet via the www.radioharmankardon.com portal. To select a stream, press the Menu Button, and use the ▲▼ Buttons to search by category: Presets, Favourites, Location, Genre, New Stations, Most Popular or Podcasts.

To create a Favourites list, log onto www.radioharmankardon.com from your PC. Enter the ID # of your AVR 760/AVR 660 (found by pressing the Menu Button and selecting "Network Setup") and create an account. Favourites that you select on the Web site will be available on the AVR.

Navigation is similar to other slide-in menus. Scroll to the desired item and press the OK Button or the ▶ Button to select it. To return to the previous menu level (or to clear the menu from view from the top level), press the Back/Exit Button or the ◀ Button.

If you know the URL (Uniform Resource Locator, or Web address) of a specific audio stream, select the Direct Station option from the menu. The AVR 760/AVR 660 is not able to connect to streams that require site registration or other interaction prior to playing the stream. A live stream is required. If the AVR cannot connect to the stream, the "Station Not Live" message will appear briefly, and the Internet Radio screen will remain essentially blank. Not all URLs will be accessible.

Up to 30 preset Internet Radio stations may be programmed. To set a preset, first tune the station. Press the OK Button, and two dashes will flash. Enter the preset number using the Alphanumeric Keys. The connection to the station will momentarily stop, interrupting the program, and the AVR will reconnect to the station.

To connect to a station programmed as a preset, enter its preset number using the Alphanumeric Keys, or select from the previously programmed presets using the ◀ ▶ Buttons.

NOTES ON NETWORK SETUP:

- It is recommended that the AVR be connected to a home-network router so that it can directly access the Internet for Internet Radio, or access a PC on the network for playback of content stored on the PC (see the Network Playback section below).
- If you are unable to connect to the Internet, try adjusting the network settings. Press the Menu Button and select Network Setup. The Network Settings line will be highlighted. Each press of the OK Button toggles between Manual and Automatic network setup. Select Manual, and the other network settings will be displayed: IP Address, Subnet Mask, Gateway, Primary DNS, Secondary DNS, Proxy Address and Proxy Port. Contact your ISP (Internet Service Provider) for the correct information to enter into these settings. To change a setting, highlight it and press the OK Button. Use the ▲▼ Buttons to move the cursor from one position to the next, and scroll to the desired number using the ◀ ▶ Buttons. Press the OK Button when you are finished with an entry. Scroll down to the "Apply and Save" Button and select it. The AVR will turn off and must be powered back on. To return to the previous menu screen, press the Back/Exit Button.

NETWORK PLAYBACK

The AVR 760/AVR 660 is capable of playing audio media stored on a PC when both the PC and the AVR are connected to a home-network router.

NOTES:

- The PC must be running Windows Media® Player version 11 or higher, Windows Media Center version 2.0 or 3.0, or Intel® Media Server. It is recommended that any firewalls be turned off, although Windows Media Player may automatically make any necessary adjustments to the firewall settings to allow media sharing.
- An Apple Macintosh computer must be running DLNA (Digital Living Network Alliance)- compliant software. Examples of compatible software include the MediaLink program by Nullriver, Inc., and EyeConnect™ software by Elgato Systems.

From the media player software, select the "Share media" option (or a similar menu option), and select the AVR as the device.

On the AVR, select Network as the source. Press the Network Source Selector a second time, if necessary, to switch from the Internet Radio source to the Network source. Press the Menu Button, and the PC should appear by name.

Browse the content stored in the PC's media player library, using the slide-in menu. Scroll to the desired item and press the OK Button or the ▶ Navigation Button to select it. To return to the previous menu level (or to clear the menu from view from the top level), press the Back/Exit Button or the ◀ Button.

NOTES:

- The Repeat, Random and Slideshow Speed settings are global for Network Playback and USB Playback. Changing these settings for one of these sources will have the same effect for the other source.
- Although video content may appear in the menu, the AVR does not support video playback from the network connection.

RECORDING

Two-channel analog and digital audio signals, as well as composite and S-video signals, are normally available at the appropriate recording outputs. To make a recording, connect your audio or video recorder to the appropriate output jacks, as described in the Installation section, insert blank media and make sure the recorder is turned on and recording while the source is playing.

NOTES:

1. Analog and digital audio signals are not converted to the other format.
2. Only PCM digital audio signals are available for recording. Proprietary formats such as Dolby Digital and DTS may not be recorded using the digital audio connections. Use the analog audio connections to make an analog recording.
3. HDMI and component video sources are not available for recording.
4. Please make certain that you are aware of any copyright restrictions on any material you record. Unauthorized duplication of copyrighted materials is prohibited by federal law.

USING The Bridge II DOCKING STATION

The Bridge II is an included dock that is compatible with most docking iPod models, 4G and later (not included). When The Bridge II is connected to its proprietary input on the AVR 760/AVR 660 and the iPod is docked, you may play the audio, video and still-image materials on your iPod through your high-quality audio/video system, operate the iPod using the AVR remote or the AVR's front-panel controls, view navigation messages on the AVR's front panel or a connected video display, and charge the iPod while the AVR is On. (The iPod does not charge while the AVR is in the Standby mode).

When the source The Bridge is selected and an iPod is docked, the message "The Bridge" appears in the front-panel Message Display. If the AVR doesn't detect the iPod, turn off the AVR, remove the iPod from The Bridge II and reset the iPod. When the iPod returns to its main menu, redock it and turn on the AVR.

Table 4 summarizes the controls available with The Bridge II during normal playback.

Table 4 – Using The Bridge II

iPod Function	Remote Control Key
Play	Play (►)
Pause	Pause (**II**)
Menu	Menu
Back/Exit	Back/Exit or Left Arrow (◀)
Select	OK or Right Arrow (▶)
Scroll Reverse	Up Arrow (▲)
Scroll Forward	Down Arrow (▼)
Forward Search	Forward Search (▶▶)
Reverse Search	Reverse Search (◀◀)
Next Track	Next (▶▶I) or Right Arrow (▶)
Previous Track	Previous (I◀◀) or Left Arrow (◀)
Page Up/Down	Page Up/Down
Stop	Stop (■)

Press the Menu Button to view the slide-in menu:

Music: Navigates the audio materials stored on the iPod.

Photo/Manual: Select this line to view still images stored on a photo-capable iPod. The system will switch to iPod Manual Mode, and control will shift to the iPod. Use the screen and controls on the iPod. The AVR remote may also be used.

To view photos on a video monitor connected to the AVR, select the photo and press the Play Button on the iPod, or press the OK Button on the remote three times.

Videos: Select this line to view videos stored on an iPod that supports video browsing.

NOTES ON VIDEO PLAYBACK:

- As of this writing, video browsing is only supported on the iPod 5G, iPod classic (80GB, 120GB and 160GB), iPod nano 3G and 4G, and iPod touch (when loaded with software version 2 or higher). For other iPod models, it is not possible to view photos (except iPod 4G) or videos on an external monitor while using The Bridge II.
- Before attempting to view photos or videos stored on your iPod, check the Video Settings menu on the iPod and make sure that the TV Out setting is set to On. The TV Signal setting should be PAL, to match the capabilities of your video display. If your selection was playing and is paused, the iPod requires you to reselect the video for the new TV Out setting to take effect.
- If you do not see the Videos line in the menu, and the iPod supports video browsing and has video content stored on it, you may need to turn off the AVR, remove the iPod from The Bridge II, reset the iPod, turn the AVR back on and dock the iPod again. This procedure may also help when a video program is selected but the "Now Playing" screen appears instead of the video images.

To exit iPod Manual Mode, with the AVR remote in The Bridge mode, press the Menu Button. To return to a previous menu level on the iPod, press the Back/Exit Button.

Random: Select this setting for random playback, also known as "Shuffle Mode". Each press of the OK Button switches the setting: shuffle by Song, shuffle by Album, or Off to end random playback.

Repeat: Select this setting to repeat a track or all tracks in the current album or playlist. Each press of the OK Button switches the setting: repeat Off, repeat One or repeat All.

NOTE: The iTunes application allows you to exempt some tracks from Shuffle mode. The AVR 760/AVR 660 cannot override this setting.

While a selection is playing, the song title and play mode icon will appear in the front-panel Message Display.

If a video monitor is connected to the AVR 760/AVR 660 and the system is not in iPod Manual Mode, the Now Playing screen will appear and display the play mode icon, song title, artist and album. A graphic bar indicates the current play position within the track. If random or repeat play has been programmed, an icon will appear in the upper right corner.

The screen may disappear from view, depending on the Setup and Slide-In Menus setting in the System Settings menu (described in the Advanced Functions Manual). Restore the Now Playing screen to view by pressing either of the ◀ ▶ Buttons.

NOTE: It is strongly recommended that you use the screen saver built into your video display to avoid possible damage from "burn-in" that may occur with plasma and many CRT displays when a still image, such as a menu screen, remains on display for an extended period of time.

iPod MANUAL MODE

Press the Menu Button and select Photo/Manual to enter iPod Manual Mode. This is required to view photos stored on the iPod.

Table 5 summarizes the controls available with The Bridge II in iPod Manual Mode.

Table 5 – Using The Bridge II in iPod Manual Mode

iPod Function	Remote Control Key
Play	Play (►)
Pause	Pause (**II**)
Menu	Back/Exit or Left Arrow (◀)
Select	OK
Select Next Screen (Scrubber, Cover Art, Ratings)	Right Arrow (▶)
Scroll Reverse	Page Up or Up Arrow (▲)
Scroll Forward	Page Down or Down Arrow (▼)
Next Track	Next (▶▶I)
Previous Track	Previous (I◀◀)

The AVR supports audio playback from some applications available for the iPod touch. Place the system in iPod Manual Mode by pressing the Menu Button and selecting "Photo/Manual". Then use the controls on the iPod touch to run the application. Due to the wide variety of applications and many factors affecting them, playback is not guaranteed.

While scrolling, hold the key to scroll faster. Use the Page Up/Down control on the remote to scroll a page at a time (not in Manual Mode).

NOTES:

- The Play and Pause functions are not available unless content has been selected for playback.
- To search within a track (not in Manual Mode), press and hold the indicated button. Press the Previous Track Button once to skip to the beginning of the current track. Press the Previous Track Button twice to skip to the beginning of the previous track.

When a slideshow is being displayed, some controls have different effects:

- To pause the slideshow, including any audio track that is playing, press the Pause Button.
- To resume a paused slideshow, press the Pause Button. Pressing the Play Button begins audio playback.
- To play an audio track stored on the iPod, adjust the slideshow settings on the iPod.
- To skip to the next or previous photo on the iPod, press the Next or Previous Transport Control.
- It is not possible to skip to the next or previous audio track during a slideshow.
- To search forward or in reverse within an audio track, press the Forward or Reverse Search Transport Control. If no audio track is playing, these controls will have no effect during the slideshow.

ENGLISH

SELECTING A SURROUND MODE

Surround mode selection can be as simple or sophisticated as your individual system and tastes. Feel free to experiment, and you may find a few favorites for certain sources or program types. More detailed information on surround modes may be found in the Advanced Functions Manual.

To select a surround mode, press the Surround Modes Button (front panel or remote). The Surround Modes menu will appear (see Figure 26). Use the ▲▼ Buttons until the desired surround mode category appears: Auto Select, Virtual Surround, Stereo, Movie, Music or Video Game. Press the OK Button to change the audio type's surround mode.

Figure 26 – Surround Modes Menu

Auto Select: For digital programs, such as movies recorded with a Dolby Digital soundtrack, the AVR will automatically use the native surround format. For 2-channel analog and PCM programs, the AVR uses Logic 7 Movie, Music or Game mode, depending on the source.

Virtual Surround: When only two main speakers are present in the system, Dolby Virtual Surround may be used to create an enhanced soundfield that virtualizes the missing speakers. Select between Wide and Reference modes.

Stereo: When 2-channel playback is desired, select the number of speakers used for playback:

- 2 CH STEREO uses only two speakers. As described in the Advanced Functions Manual, you may select Analog Bypass mode for a pure analog signal when analog audio inputs are in use. Turn off the Tone Control setting in the Audio Effects submenu, and the AVR does the rest.
- 5 CH STEREO plays the left-channel signal through the front and surround left speakers, the right-channel signal through the right speakers and a summed mono signal through the center speaker.
- 7 CH STEREO follows the same scheme as 5 CH STEREO, but adds the surround back speakers. This mode is only available when the surround back speakers are present and have not been reassigned to multizone operation. See the Advanced Functions Manual for more information.

Movie: Use when a surround mode is desired for movie playback: Logic 7 Movie, DTS Neo:6 Cinema or Dolby Pro Logic II (IIx when seven main speakers are present).

Music: Use when a surround mode is desired for music playback: Logic 7 Music, DTS Neo:6 Music or Dolby Pro Logic II (IIx when seven main speakers are present). The Dolby Pro Logic II/IIx Music mode allows access to a submenu with some additional settings. See the Advanced Functions Manual for more information.

Video Game: Use to select a surround mode for game playback: Logic 7 Game, or Dolby Pro Logic II (IIx when seven main speakers are present) Game.

After you have made your selection, press the Back/Exit Button.

See the Advanced Functions Manual for more information on surround modes.

harman/kardon®

AVR 760
AVR 660

AUDIO/VIDEO RECEIVER

OWNER'S MANUAL – Advanced Functions

SAFETY INFORMATION

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. Do not expose this apparatus to dripping or splashing and ensure that no objects filled with liquids, such as vases, are placed on the apparatus.
16. To completely disconnect this apparatus from the AC Mains, disconnect the power supply cord plug from the AC receptacle.
17. The mains plug of the power supply cord shall remain readily operable.
18. Do not expose batteries to excessive heat such as sunshine, fire or the like.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

IMPORTANT SAFETY INFORMATION

Verify Line Voltage Before Use

Your AVR 760/AVR 660 has been designed for use with 230-240 volt AC current. Connection to a line voltage other than that for which it is intended can create a safety and fire hazard and may damage the unit.

If you have any questions about the voltage requirements for your specific model, or about the line voltage in your area, contact your selling dealer before plugging the unit into a wall outlet.

Do Not Use Extension Cords

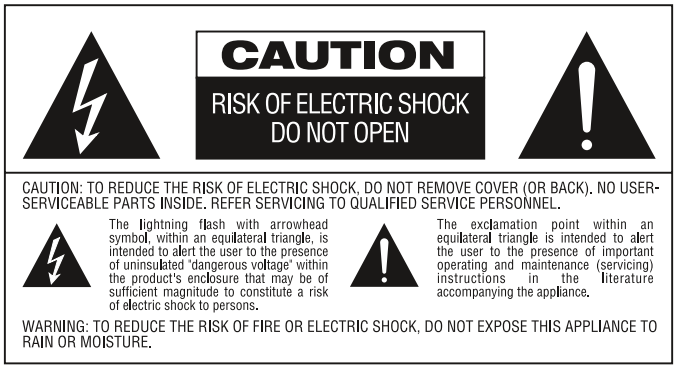
To avoid safety hazards, use only the power cord supplied with your unit. We do not recommend that extension cords be used with this product. As with all electrical devices, do not run power cords under rugs or carpets or place heavy objects on them. Damaged power cords should be replaced immediately by an authorized service center with a cord meeting factory specifications.

Handle the AC Power Cord Gently

When disconnecting the power cord from an AC outlet, always pull the plug; never pull the cord. If you do not intend to use the unit for any considerable length of time, disconnect the plug from the AC outlet.

Do Not Open the Cabinet

There are no user-serviceable components inside this product. Opening the cabinet may present a shock hazard, and any modification to the product will void your warranty. If water or any metal object such as a paper clip, wire or staple accidentally falls inside the unit, disconnect it from the AC power source immediately, and consult an authorized service center.



NOTE: This Owner's Manual explains the advanced functions of the harman/kardon AVR 760/AVR 660 receivers. It also contains note sheets for your personal use when setting up and adjusting your unit. Please read and use the Basic Manual that came with your unit before continuing with this Advanced Manual.

TABLE OF CONTENTS and FEATURES

Please register your AVR 760/AVR 660 at www.harmankardon.com.

NOTE: You'll need the product's serial number. At the same time, you can choose to be notified about new products and/or special promotions.

ENGLISH

Harman Kardon AVR 760/AVR 660 7.2/7.1-Channel Audio/Video Receiver

Audio Section

- AVR 760: 85 Watts x 7, seven channels driven at full power at 8 ohms, 20Hz – 20kHz, <0.07% THD, 595 watts total.
  AVR 660: 75 Watts, 525 watts total.
- High-current capability, ultrawide-bandwidth amplifier design with low negative feedback
- All-discrete amplifier circuitry
- Quadruple-crossover bass management with DVD-Audio bass management capability
- Dual 32-bit TI DA 710 DSP processors
- 192kHz/24-bit A/D and D/A conversion
- Sampling upconversion to 96kHz
- Dolby® Volume processing

Surround Modes

- Dolby Digital EX, Dolby Digital Plus, Dolby TrueHD
- Dolby Pro Logic® II and IIx (Movie, Music and Game), up to 96kHz
- Dolby Virtual Speaker Version 2 (Reference or Wide, 2-channel)
- Dolby Headphone Version 2, up to 96kHz
- DTS-HD High Resolution Audio™, DTS-HD Master Audio™
- DTS® (5.1; DTS Stereo; DTS-ES® 6.1 Discrete and Matrix)
- DTS 96/24™ (DTS Stereo)
- DTS Neo:6® (Cinema 5-,6- or 7-channel; Music 5-, 6- or 7-channel), up to 96kHz
- Logic 7® (Movie, Music and Game), up to 96kHz
- 5- or 7-Channel Stereo, up to 96kHz
- Surround Off (DSP or Analog Bypass)

ADVANCED FUNCTIONS

Much of the AVR 760/AVR 660's performance is handled automatically, with little intervention required on your part. The AVR 760/AVR 660 is capable of being customized to suit your system and your tastes. In this Advanced Functions Manual, some of the more advanced adjustments available are described.

AUDIO PROCESSING AND SURROUND SOUND

Audio signals output by sources are encoded in a variety of formats that can affect not only the quality of the sound but the number of speaker channels and the surround mode. You may also manually select a different surround mode, when available.

Analog Audio Signals

Analog audio signals usually consist of two channels – left and right. The AVR 760/AVR 660 offers three options for playback:

1. **Analog Bypass Mode**: The 2-channel signal is passed directly from the input to the volume control, without being digitized or undergoing any processing for bass management or surround sound. To select analog bypass mode:
   a) The analog audio inputs for the source must be selected. If necessary, press the Info Button on the remote and use the ▲▼ Buttons to scroll to the Audio Input from source setting.
   b) The tone controls must be disabled by setting the Tone Control to Off. Press the Audio Effects Button to access the Tone Control setting.
   c) The 2-channel Stereo mode must be selected. Press the Surround Modes Button to access the STEREO line of the Surround Modes submenu. Press the OK Button to select 2-channel Stereo.

NOTE: Audio from The Bridge II source is analog, and when 2-channel Stereo mode is selected, the audio will be played in Analog Bypass mode.

2. **Analog Surround Modes**: The AVR 760/AVR 660 is able to process 2-channel audio signals to produce multichannel surround sound, even when no surround sound has been encoded in the recording. Among the available modes are the Dolby Pro Logic II/IIx modes, the Dolby Virtual Speaker modes, the DTS Neo:6 modes, the Logic 7 modes and the Stereo modes.

Digital Audio Signals

Digital audio signals offer greater capacity, which allows the encoding of center and surround channel information directly into the signal. The result is improved sound quality and startling directionality, since each channel is reproduced discretely.

Even when only two channels are encoded, the digital signal allows for a higher sampling rate that delivers greater detail. High-resolution recordings sound extraordinarily distortion-free, especially at high frequencies.

Surround Modes

Surround mode selection is dependent upon the format of the incoming audio signal, as well as personal taste. Table A13 offers a brief description of each mode and indicates the types of incoming signals or digital bitstreams the mode may be used with. Additional information about the Dolby and DTS modes is available on the companies' Web sites: www.dolby.com and www.dtsonline.com.

When in doubt, check the jacket of your disc for more information on which surround modes are available. Usually, nonessential sections of the disc, such as trailers, extra materials or the disc menu, are only available in Dolby Digital 2.0 (2-channel) or PCM 2-channel mode. If the main title is playing and the display shows one of these surround modes, look for an audio or language setup section in the disc's menu. Also, make sure your player's audio output is set to the original bitstream rather than 2-channel PCM. Stop play and check the player's output setting.

For any incoming signal, only a limited number of surround modes are available. Although there is never a time when all of the AVR 760/AVR 660's surround modes are available, there is usually a wide variety of modes available for a given input.

Multichannel digital recordings are found in the 5.1-, 6.1- or 7.1-channel formats. The channels included in a 5.1-channel recording are front left, front right, center, surround left, surround right and LFE. The LFE channel is denoted as ".1" to represent the fact that it is limited to the low frequencies.

6.1-Channel recordings add a single surround back channel, and 7.1-channel recordings add surround back left and surround back right channels to the 5.1-channel configuration. New formats are available in 7.1-channel configurations. The AVR 760/AVR 660 is able to play the new audio formats, delivering a more exciting home theater experience.

NOTE: To use the 6.1- and 7.1-channel surround modes, the Surround Back channels must be enabled. See the Manual Speaker Setup section on page 6 for more information.

The Digital formats are Dolby Digital 2.0 (two channels only), Dolby Digital 5.1, Dolby Digital EX (6.1), Dolby Digital Plus (7.1), Dolby TrueHD (7.1), DTS-HD High-Resolution Audio (7.1), DTS-HD Master Audio (7.1), DTS 5.1, DTS-ES (6.1 Matrix and Discrete), DTS 96/24 (5.1), 2-channel PCM modes in 32kHz, 44.1kHz, 48kHz or 96kHz, and 5.1 or 7.1 multichannel PCM.

When a digital signal is received, the AVR 760/AVR 660 detects the encoding method and the number of channels, which is displayed briefly as three numbers, separated by slashes (e.g., "3/2/.1").

The first number indicates the number of front channels in the signal:

"1" represents a monophonic recording, usually an older program that has been digitally remastered or, more rarely, a modern program for which the director has chosen a special effect.

"2" indicates the presence of the left and right channels, but no center channel.

"3" indicates that all three front channels (left, right and center) are present.

The second number indicates whether any surround channels are present:

"0" indicates that no surround information is present.

"1" indicates that a matrixed surround signal is present.

"2" indicates discrete left and right surround channels.

"3" is used with DTS-ES bitstreams to represent the presence of the discrete surround back channel, in addition to the side surround left and right channels.

"4" is used with 7.1-channel digital formats to indicate the presence of two discrete side surround channels and two discrete back surround channels.

The third number is used for the LFE channel:

"0" indicates no LFE channel.

".1" indicates that an LFE channel is present.

The 6.1-channel signals – Dolby Digital EX and DTS-ES Matrix and Discrete – each include a flag meant to signal the receiver to decode the surround back channel, indicated as 3/2/.1 EX-ON for Dolby Digital EX materials, and 3/3/.1 ES-ON for DTS-ES materials.

Dolby Digital 2.0 signals may include a Dolby Surround flag indicating DS-ON or DS-OFF, depending on whether the 2-channel bitstream contains only stereo information, or a downmix of a multichannel program that can be decoded by the AVR's Dolby Pro Logic decoder. By default, these signals are played in Dolby Pro Logic IIx Movie mode.

When a PCM signal is received, the PCM message and the sampling rate (32kHz, 44.1kHz, 48kHz or 96kHz) will appear.

When only two channels – left and right – are present, the analog surround modes may be used to decode the signal into the remaining channels. If you would prefer a different surround format than the native signal's digital encoding, press the Surround Modes Button to display the Surround Modes menu (see Figure 26 in the Basic Manual).

The Auto Select option uses the native signal's digital encoding, e.g., Dolby Digital, DTS, Dolby TrueHD or DTS-HD Master Audio. For 2-channel materials, the AVR defaults to Logic 7 Movie mode. If you prefer a different surround mode, select the surround mode category: Virtual Surround, Stereo, Movie, Music or Video Game. Press the OK Button to change the mode.

Each category is set to a default surround mode:

- **Virtual Surround**: Dolby Virtual Speaker Reference
- **Stereo**: 7-channel stereo
- **Movie**: Logic 7 Movie
- **Music**: Logic 7 Music
- **Video Game**: Logic 7 Game

You may select a different mode. The choice of surround modes depends on the number of speakers in your system.

- **Virtual Surround**: Dolby Virtual Speaker Reference or Wide
- **Stereo**: 2-channel stereo, 5-channel stereo or 7-channel stereo
- **Movie**: Logic 7 Movie, DTS Neo:6 Cinema, Dolby Pro Logic II Movie, Dolby Pro Logic IIx Movie
- **Music**: Logic 7 Music, DTS Neo:6 Music, Dolby Pro Logic II Music, Dolby Pro Logic IIx Music
- **Video Game**: Logic 7 Game, Dolby Pro Logic II Game, Dolby Pro Logic IIx Game

Once you have programmed the surround mode for each type of audio, select the line from the Surround Modes menu to override the AVR's automatic surround mode selection. The AVR will use the same surround mode the next time the source is selected.

Please refer to Table A13 in the appendix for more information on which surround modes are available with different bitstreams.

Dolby Surround Settings

Some additional settings are available for Dolby modes. When the Dolby Pro Logic II or IIx Music modes have been selected, choose the Edit submenu to adjust the Center Width, Dimension and Panorama settings. See Figure 27.

Figure 27 – Dolby Pro Logic II/IIx Music Mode Settings

Center Width: This setting affects how vocals sound through the three front speakers. A higher number (up to 7) focuses the vocal information tightly on the center channel. Lower numbers broaden the vocal soundstage. Use the ◀ ▶ Buttons to adjust.

Dimension: This setting affects the depth of the surround presentation, allowing you to "move" the sound toward the front or rear of the room. The setting of "0" is a neutral default. Setting "F-3" moves the sound toward the front of the room, while setting "R-3" moves the sound toward the rear. Use the ◀ ▶ Buttons to adjust.

Panorama: With the Panorama mode turned ON, some of the sound from the front speakers is moved to the surround speakers, creating an enveloping "wraparound" effect. Each press of the OK Button toggles the setting on or off.

ENGLISH

ADVANCED FUNCTIONS

MANUAL SPEAKER SETUP

The AVR 760/AVR 660 is flexible and may be configured for most speakers, and to compensate for the acoustic characteristics of your room.

The EzSet/EQ II process automatically detects the capabilities of each speaker, and optimizes the AVR 760/AVR 660's performance. If you are unable to run EzSet/EQ II calibration, or if you wish to make further adjustments, use the Manual Speaker Setup on-screen menus.

Before beginning, place your loudspeakers as explained in the Speaker Placement section, and connect them to the AVR. Consult the owner's guide for the speakers or the manufacturer's Web site for the frequency range specification. Although you may set the output levels "by ear," an SPL (sound-pressure level) meter purchased at a local electronics store will provide greater accuracy.

Record your configuration settings in Tables A3 through A12 in the appendix for easy re-entry after a system reset, or if the AVR's Master Power Switch is turned off or the unit is unplugged for more than four weeks.

NOTE: When using the AVR's Speaker Setup menus, select a video output resolution of 720p or higher to view graphics that simplify configuration.

STEP ONE – Determine Speaker Crossover

Without using the EzSet/EQ II process, the AVR 760/AVR 660 can't detect how many speakers you've connected to it; nor can it determine their capabilities. Consult the speaker's technical specifications and locate the frequency response, usually given as a range, e.g., 100Hz – 20kHz (±3dB). Write down the lowest frequency that each of your main speakers is capable of playing (100Hz in the example) as the crossover in Table A3 in the appendix. This is not the same as the crossover frequency listed in the speaker's specifications. For the subwoofer, write down the transducer size.

The receiver's bass management determines which speakers will be used to play back the low-frequency (bass) portion of the source program. Sending the lowest notes to small satellite speakers won't sound right, and may even damage the speaker. The highest notes may not be heard at all through the subwoofer.

With proper bass management, the AVR 760/AVR 660 divides the source signal at a crossover point. All information above the crossover point is played through the satellite speaker, and all information below the crossover point is played through the subwoofer. Each loudspeaker in your system performs at its best, delivering an enjoyable sound experience.

STEP TWO – Measure Speaker Distances

Ideally, all of your speakers would be placed in a circle, with the listening position at the center. However, you may have had to place some speakers a little further away from the listening position than others. Sounds that are supposed to arrive simultaneously from different speakers may blur, due to different arrival times.

Use the AVR's Distance/Delay adjustment to compensate for real-world speaker placements.

Measure the distance from each speaker to the listening position, and write it down in Table A4 in the appendix. Even if all of your speakers are the same distance from the listening position, enter your speaker distances as described in Step Three.

STEP THREE – Manual Setup Menu

Now you are ready to program the receiver. Sit in the usual listening position and make the room as quiet as possible.

With the receiver and video display turned on, press the AVR Settings Button to display the menu system. Use the ▼ Button to move the cursor to the Speaker Setup line, and press the OK Button to display the Speaker Setup menu. See Figure 21 in the Basic Manual.

If you have run the EzSet/EQ II process, the results were saved in one of the two listening positions (AVR 760 position 1+2, AVR 660 1 position). Adjust the Speaker Setup setting in the Audio Effects menu to activate the results for either position (AVR 660: 1 position) (see page 26-27 in the Basic Manual). To tweak the EzSet/EQ II results, or to configure the AVR from scratch, select Setup Listening Position 1 (AVR 760, AVR 660) or Setup Listening Position 2 (AVR 760). A screen similar to the one shown in Figure 28 will appear.

Figure 28 – Speaker Setup Position Menu

NOTE: All of the speaker setup submenus include the Back option, as shown at the bottom of Figure 28. To save the current settings, select the Back option.

To reconfigure the speakers from scratch, select the Reset option.

For best results, adjust the submenus in this order: Number of Speakers, Crossover (Size), Sub Mode, Distance and Level Adjust.

Number of Speakers

Move the cursor to the Number of Speakers line and press the OK Button. See Figure 29.

Figure 29 – Number of Speakers Menu

Program the correct setting for each speaker group: ON when the speakers are present in the system, and OFF for positions where no speakers are installed. The Front Left & Right speakers are always ON and may not be disabled. Any changes will be reflected in the total number of speakers displayed at the top of the screen.

The setting for the surround back speakers includes a third option: Zone 2. The AVR 760/AVR 660 is capable of multizone operation, supporting placement of a pair of speakers in another room. The AVR 760/AVR 660's assignable surround back amplifier channels make multizone operation easier than ever, since an external power amplifier is not required. Select the Zone 2 option at this line, and connect the Surround Back Speaker Outputs to loudspeakers located in the remote room. The main room will be configured automatically for up to 5.1 channels. See the Multizone Operation section for more information.

NOTE: When the Surround Back speakers are set to "Zone 2", they will not be configured during the EzSet/EQ II process. To use the speakers in the main listening area, configure them as "On", and run the EzSet/EQ II process for a 7.1- or 7.2-channel system. If the speakers will only be used during multizone operation, configure them manually, as explained below.

The settings in this menu affect the remainder of the speaker setup process and the availability of various surround modes at any time.

When you have finished, select the Back option or use the Back/Exit Button.

Adjust Crossover Frequencies Menu

After you have programmed the number of speakers, the AVR will return to the Speaker Setup Position menu (see Figure 28). Navigate to the Crossover (Size) line and press the OK Button to display the Adjust Crossover Frequencies menu (see Figure 30).

Figure 30 – Adjust Crossover Frequencies Menu

The AVR will only display those speaker groups programmed in the Number of Speakers menu.

Refer to Table A3 for each speaker's crossover. For the main speakers, this is the lowest frequency the speaker reproduces well.

For each main speaker, select one of the seven crossover frequencies: 40Hz, 60Hz, 80Hz, 100Hz, 120Hz, 150Hz or 200Hz. If the crossover frequency is below 40Hz, select the first option, "Large". This setting doesn't refer to the speaker's physical size, but to its frequency response, which is also called "full range".

Specify the size of the subwoofer's transducer as 8, 10, 12 or 15 inches (20, 25, 30 or 38 cm). The AVR always sets the subwoofer crossover to 100Hz, but uses the transducer size for equalization. Write down the settings in Table A3 in the appendix.

When you have finished entering the settings, select Back, or press the Back/Exit Button.

Sub Mode

Move the cursor to the Sub Mode line. This setting depends upon how you programmed the front left and right speakers.

- If you set the front speakers to a numeric crossover frequency, the subwoofer setting will always be LFE. All low-frequency information will always be sent to the subwoofer. If you don't have a subwoofer, either upgrade to full-range speakers or add a subwoofer at the earliest opportunity.
- If you set the front speakers to LARGE, select one of the three settings for the subwoofer.
  - **L/R+LFE**: This setting sends all low-frequency information to the subwoofer, including both information that would normally be played through the front left and right speakers, and the special low-frequency effects (LFE) channel information.
  - **Off**: Select this setting when no subwoofer is in use. All low-frequency information will be sent to the front left and right speakers.
  - **LFE**: This setting plays low-frequency information contained in the left and right program channels through the front speakers, and directs only the LFE channel to the subwoofer.

NOTE: If you are using a Harman Kardon HKTS Series speaker system, select the appropriate numeric crossover frequency for the Main Speaker groups, and the subwoofer will automatically be set to LFE.

Adjust Speaker Distance Menu

Placing the speakers at different distances from the listening positions can muddy the sound, as sounds are heard earlier or later than desired.

Even if all of your speakers are placed the same distance from the listening position, do not skip this menu.

On the Speaker Setup Position menu, move the cursor to the Distance line and press the OK Button to display the Adjust Speaker Distance menu. See Figure 31.

Figure 31 – Adjust Speaker Distance Menu

Enter the distance from each speaker to the listening position, as measured in Step Two – Measure Speaker Distances and recorded in Table A4 in the appendix (see page 17).

The default unit of measurement is feet. To change the unit to meters, return to the main AVR menu. Select the System Settings menu, then scroll down to the General AVR Settings section and select the Unit of Measure line. Press the OK Button to change the setting.

Select a speaker, then use the ◀ ▶ Buttons to change the measurement. The values vary between 0 and 10 meter, with a default of 4 m for all speakers except the Surround Left and Right Speakers, for which the default is 3,3 meter.

NOTE: If the surround back channels are assigned to the multizone system, you will not be able to adjust their delay settings.

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STEP FOUR – Setting Channel Output Levels Manually

For a conventional 2-channel receiver, the balance control affects the stereo imaging by adjusting the relative loudness of the left and right channels.

With up to seven main channels, plus a subwoofer, imaging becomes both more critical and more complex. The goal is to ensure that each channel is heard at the listening position with equal loudness.

EzSet/EQ II calibration can handle this critical task for you, simply and automatically. However, the AVR's Adjust Speaker Levels menu allows you to calibrate the levels manually, either using the system's test tone or while playing source material.

1. Make sure all speakers have been placed and connected correctly.
2. Adjust the number of speakers, crossover, distance and sub mode for each speaker in your system, as described in Step Three.
3. Measure the channel levels in one of these ways, and adjust the channel levels using the Adjust Speaker Levels menu:
   a) Preferably, use a handheld SPL meter set to the C-Weighting, Slow scale. Adjust each channel so that the meter reads 75dB.
   b) By ear. Adjust the levels so that all channels sound equally loud.
   c) If you are using a handheld SPL meter with source material, such as a test disc or an audio selection, play it and adjust the AVR's master volume control until the meter measures 75dB.

Press the AVR Settings Button to display the menu system, and then navigate to the Speaker Setup line. Press the OK Button to display the Speaker Setup menu. Select Setup Listening Position 1 (AVR 760, AVR 660) or 2 (AVR 760), press the OK Button, and then navigate to the Level Adjust line. Press the OK Button to display the Adjust Speaker Levels menu. See Figure 32.

Figure 32 – Adjust Speaker Levels Menu

All of the speaker channels will appear with their current level settings.

Reset Levels: To reset all levels to their factory defaults of 0dB, scroll down to this line at the bottom of the menu and press the OK Button.

To set your levels using the AVR 760/AVR 660's internal test tone, adjust the TEST TONE line as follows:

Test Tone: Determines whether the test tone is active. To begin, press the OK Button repeatedly to select the OFF, AUTO or MANUAL setting. Manually moving the cursor out of the channel listings area of the screen automatically stops the test tone.

When this setting reads AUTO, the test tone will automatically circulate to all channels, pausing for a few moments at each channel and then moving to the next channel several seconds later, as indicated by the highlight bar. Adjust the level for any channel when the test tone is paused there, using the ◀ ▶ Buttons. Use the ▲ ▼ Buttons to move the cursor to another line, and the test tone will follow the cursor.

When this setting reads MANUAL, the test tone will not move to the next channel until you use the ▲ ▼ Buttons.

Individual Channels: If you are using an external source to set your output levels, navigate to each channel and use the ◀ ▶ Buttons to adjust the level, as desired, between −10dB and +10dB.

When you have finished adjusting the speaker levels, select the Back option or press the Back/Exit Button. Record the level settings in Table A3 in the appendix.

AUDIO EFFECTS

To adjust other audio settings, such as the tone controls, to improve performance, press the Audio Effects Button to display the Audio Effects menu (see Figure 24 in the Basic Manual). The menu may also be accessed from the Setup Source menu by pressing the Info Settings Button and selecting Audio Effects.

NOTE: The settings in the Audio Effects menu affect each source independently.

Dolby Volume: See page 30 of the Basic Manual for an explanation of Dolby Volume processing and its benefits. Refer to Table 3 on that page for an explanation of each of the Dolby Volume settings.

Tone Control: Determines whether the treble and bass controls are active. When it's off, the tone controls are "flat", with no changes. When it's on, the bass and treble frequencies are boosted or cut, depending upon the tone-control settings. When an analog audio source is in use and the 2-Channel Stereo surround mode is selected, setting the Tone Control to "Off" places the unit in analog bypass mode.

Treble and Bass: Boost or cut the high or low frequencies by up to 10dB by using the ◀ ▶ Buttons to change the temperature bar setting. The default setting is 0dB, at the center of the temperature bar.

LFE Trim: Attenuates the loudness of the subwoofer. The setting defaults to the maximum of 0dB. Press the ◀ ▶ Buttons to reduce the level by up to 10dB; the setting will appear as a negative number.

EQ: This setting activates or deactivates the equalization settings obtained when the EzSet/EQ II process was run. The settings are saved for reactivation at a later listening session.

Speaker Setup: Select Position 1 (AVR 760, AVR 660) or 2 (AVR 760) to activate the speaker configuration settings saved for the desired position. The settings may be configured either by running the EzSet/EQ II process and saving the results, or manually, as explained in the Manual Speaker Setup section on page 6.

When you have finished, press the Audio Effects Button or the Back/Exit Button.

VIDEO ADJUSTMENTS

The AVR 760/AVR 660 uses leading-edge Faroudja DCDi Cinema video processing technology. Incoming video is upscaled to 1080p (1080i with component video outputs) for outstanding video quality, even with analog video sources. The Faroudja DCDi Cinema Dual 3D comb filters and 10-bit video processing eliminate the jagged edges and moiré patterns seen with less advanced processing.

The "Torino" video processing chip generates on-screen graphics in high definition, and blends it with the incoming video, so that you can continue to watch a program while using system menus.

The video processor automatically provides the best picture based on the capabilities of your video display and the incoming source video. You may experiment with the Video Modes menu adjustments to try to improve the picture further.

Video Modes

Adjust the picture settings on your video display before adjusting the AVR. Access the picture settings from the Video Modes menu. Press the Video Modes Button, and the screen shown in Figure 33 will appear. The menu may also be accessed from the Info Settings menu.

NOTE: The settings in the Video Modes menu affect each source independently.

Figure 33 – Video Modes Menu

Video Mode: The default setting of Off passes the video signal through to the display without any picture processing. Video scaling cannot be turned off, but selecting the HDMI Bypass mode in the Info Settings menu for a source connected to one of the HDMI Inputs passes the video signal directly from the HDMI Input to the HDMI Output, bypassing all video processing. Select one of these processing options to optimize the picture for the current program by applying adjustments to the brightness, contrast, color and sharpness:

- **Sports**: For sporting events.
- **Nature**: For programs shot outdoors, in a natural setting.
- **Movie**: For movies and many television broadcasts.
- **Custom**: Allows manual adjustment of the picture settings. The Brightness, Contrast, Color and Sharpness settings appear as sliders with values ranging from 0 to 100. The default setting for each adjustment is 50. Use the ◀ ▶ Buttons to change each setting's value.

Picture Adjust: Changes the aspect ratio of the displayed image. Widescreen (16:9) images are displayed on a full-screen (4:3) device in letterbox format. Black bars may appear above and below the image.

When displaying full-screen images on a widescreen device, black or gray bars may appear to the left and right of the image (pillarboxing).

Plasma and CRT monitors may suffer from "burn-in" when the same image, such as the horizontal or vertical bars, is left on screen for a long period of time. Adjust the picture so that it fills the display's screen. Highlight this setting and press the OK Button. Each press of the ▲▼ Buttons changes the setting. Press the OK Button when the desired setting appears.

- **Auto Fit**: The AVR automatically adjusts the image, as required, to fit the display's capabilities.
- **Height Fit**: Adjusts the image to eliminate any bars above or below it. Bars may remain at the sides.
- **Width Fit**: Adjusts the image to eliminate any bars on the sides. Bars may remain above and below the image.
- **Zoom 1x**: Displays the image as received from the source. If the image is in the 4:3 aspect ratio, on widescreen displays pillarbox format may be used. If the image is in the 16:9 aspect ratio, on full-screen (4:3) displays letterbox format may be used.
- **Zoom 2x** and **Zoom 3x**: Stretches the image evenly to completely fill the screen. The outer portions of the image may be cropped.

Experiment with this setting until you find a pleasing display format for each program.

Overscan: For historical reasons, there is a convention to reserve an area around the border of a video frame, called "overscan", that may be viewed on newer high-definition displays, although it was not visible on older analog television sets. However, since not all displays are capable of showing this portion of the frame, directors avoid placing important information in that area.

If your video display is capable of displaying the overscan area, turn this setting on to avoid seeing a black border around the image which could cause unwanted "burn-in" on some plasma and CRT displays. The AVR turns this setting off by default when the source device is connected to one of the HDMI Inputs. The setting is turned on by default when the source is connected to one of the analog video inputs.

Advanced Video Settings: Press the ▶ or OK Button to display the Advanced Video Modes submenu (see Figure 34). This submenu is not accessible when the video processor (Video Mode setting) is turned off.

Figure 34 – Advanced Video Modes Menu

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Noise Reduction: Adjust this setting to Low, Medium or High to filter out signal noise, or turn it off.

MPEG Noise Reduction: This setting is designed to address two specific types of video distortion, mosquito noise and blocking artifacts. If you see haziness or shimmering around the edges of objects or the scrolling credits in a film, or if the image appears to "pixellate" into blocks, change the MPEG Noise Reduction setting from Off to Low, Medium or High.

Cross Color Suppressor: Turn this setting on to remove cross color artifacts, which can occur when high-frequency luminance (brightness) signals are misinterpreted as chroma (color) signals, causing unwanted flickering, flashing colors or rainbow patterns.

Flesh Tone Enhancement: Turn this setting on to improve the appearance of actors' skin tones.

Black Level: This setting is only effective when used with the Composite Video Output. Turn it on for a full black-level setting that provides the full dynamic range of black as presented on most DVDs. When turned off, the setting complies with NTSC standards for video with "setup", and may be more appropriate when your video display has limited video processing capability.

Deinterlacing: For historical reasons, video in the NTSC format was interlaced. That is, each refresh of the television screen displayed only half the pixels in a frame, alternating between all of the even rows of pixels and all of the odd rows. Modern displays are capable of displaying the complete frame all at once by progressively scanning all of the rows of pixels from top to bottom. For optimal viewing on a progressive-scan display (most flat-panel displays), the video images must be deinterlaced. When viewing images via the Composite or S-Video Monitor Output, or any time the AVR's video output resolution is 576i, this setting may be turned off.

Film Mode Detect: This setting is only accessible when the Deinterlacing setting is turned on. It compensates for the different frame rates in which film and video are shot. Film is shot at a rate of 24 frames per second (progressive scan), while video is shot at slightly less than 60 frames per second (interlaced). The AVR is able to detect whether the program was originally shot on film and transferred to video (e.g., to create a DVD), and to compensate appropriately for any authoring errors in the conversion. Select a setting of 3:2 (for NTSC materials), 2:2 (for PAL materials originating overseas), Off or Auto.

How to Adjust the Custom Picture Settings

Set the Video Mode to Custom to display the picture settings, as shown in Figure 35.

Figure 35 – Video Modes Custom Processing

With a color bar test pattern from a test disc or other source on screen, the following adjustments may be made:

- The color intensity setting on your TV.
- Color adjustments using the color bars, which may be (left to right) black, white, yellow, cyan (turquoise), green, magenta, red, blue, black.
- The color transition, seen as sharp separation of the bars.
- The performance of the color circuits in your TV (with "Video" signals); bar edges should show no vertical crawling dots.

Use the gray scale and the black/white fields in the test pattern to adjust the brightness and contrast.

Brightness Adjustment

1. Turn down the color control on your TV until the color bars appear in black and white.
2. Adjust the contrast to the lowest level where you still can see all gray scale bars separately and clearly.
3. Adjust the brightness so that the bars in the gray scale are all visible. The bar farthest to the left has to be as black as possible rather than gray but the next gradation must clearly be distinct from it. The bars in the gray scale should gradually and evenly change from black to white.

Contrast Adjustment

1. Adjust the contrast on your TV until you see a bright white bar in the lower right corner of the screen and a deep-dark-black bar to the left.
2. If the brightness of the white bar no longer increases when the contrast is turned up or the borders of white letters bloom (overlight) into the black areas (drastically decreasing the sharpness of the type), the contrast has been turned up too much. Reduce the contrast until these effects disappear and the video still looks realistic.
3. If you are watching TV with ambient daylight, adjust the contrast so that a normal video picture looks the same as the surroundings in your room; that way the eye is relaxed when watching the TV picture. Reduce the setting when the surrounding light is dimmed to improve the sharpness of the picture.
4. The gray scale in the middle line should retain the same distinction between each bar as before the contrast adjustment. If not, repeat both Step 3 of the Brightness Adjustment and the Contrast Adjustment.

Color Adjustment

1. When the brightness and contrast are set optimally, adjust the color control. Set the level so that the colors look strong but still natural, not overdone. If the color level is too high, depending on the TV, some of the bars will seem wider or the color intensity will not increase when the control is turned up. Test the color intensity with a video of pictures of faces, flowers, fruit and vegetables.
2. Refer to the large white bar below the gray scale to tweak the warmth of the picture using the Tint control on your TV.

Sharpness Adjustment

Contrary to intuition, the picture will appear sharper and clearer with the sharpness backed off from the maximum setting. Reduce the sharpness setting on your television, and the setting on the AVR 760/AVR 660, if necessary, to minimize the appearance of any white lines between the bars in the gray scale portion of the test screen.

Convergence and Edge Focus

The crosshatch pattern that surrounds the test screen may be used to evaluate edge focus and convergence in front- or rear-projection video displays. If you are unable to improve the picture using the available controls, contact the video display manufacturer's authorized service representative for assistance.

When you have finished making any video adjustments, press the Back/Exit Button.

MULTIZONE OPERATION

With the multizone system in use, you may enjoy an exciting 5.1- or 5.2-channel home theater presentation in the main listening area, while others listen to the same materials or an entirely different presentation in another room.

Although installation of a multizone system is not complicated, it requires running wires inside walls. Check your local building codes and comply with the requirements for in-wall wiring systems, to prevent the possibility of a dangerous situation. If you have any questions about installing a multizone system, it is strongly recommended that you contact a professional custom installer. See Step Eleven of the Installation section on page 22 of the Basic Manual for instructions on installing a multizone system.

Operating the Multizone System

The AVR 760/AVR 660's multizone system is accessed using the on-screen Zone 2 menu. Press the AVR Settings Button, and use the ▲▼ Buttons to navigate to the Zone 2 line. Press the OK Button to display the Zone 2 menu. See Figure 36.

NOTE: When the Zone 2 Video Output is connected to a display, a text-based version of the menu will appear. However, no menus will appear when USB, Internet Radio or the Network is selected as the source in either the main or remote zone, and a different source is selected for the other zone.

Figure 36 – Zone 2 Menu

Status: Turns the multizone system on or off. When no one is listening in the remote room, leave this setting at the default of OFF.

Source: Indicates the source input for the remote zone. You may select a different source from the main listening area. However, if the same source has been selected for both the main listening area and the remote zone, listeners in both areas will hear the same content.

NOTE: Only analog audio sources, including The Bridge II, are available to the multizone system. The USB, Network and Internet Radio sources are also available. To hear digital devices, such as a CD player, in the remote zone, follow these steps:

1. In addition to a digital audio connection, connect the source device's analog audio outputs to the AVR. Make a note in Table A5 in the appendix on which set of inputs was used.
2. In the Info Settings menu, leave the Audio Input From Source setting at the digital audio input. Scroll down to the Zone 2 Audio setting and select the analog audio input.

Volume: The volume is controlled separately for the remote zone.

Surround Back Amps: Reassign the surround back channels to the multizone system. When this line is set to Zone 2, you may only configure the main listening room for up to 5.2 channels. EzSet/EQ II will only configure the main system. Use the Manual Setup section of the Speaker Setup menu to configure the remote speakers with this setting at Main Room, then return this setting to Zone 2.

Carrier Out: The Carrier IR Output passes the full remote infrared signal, rather than a signal stripped of the carrier frequency, as is available at the Remote IR Output. This setting determines the source for the Carrier IR Output.

- **Zone 2**: Uses the Zone 2 IR Input.
- **Front Panel**: Uses either the front-panel IR receiver or the Remote IR Input.
- **A-BUS**: Uses the A-BUS system.

To operate the multizone system using the main remote, slide the Zone Select Switch at the bottom of the remote to the "2" position. To select a zone using the Zone 2 remote, press the Zone Selector, and the Zone Indicator will turn green when the remote is set to operate Zone 1, or red to operate Zone 2.

SYSTEM SETTINGS

The AVR 760/AVR 660 offers system settings for ease of use. These settings may be accessed from the System Settings menu, which is selected by pressing the AVR Settings Button and navigating to the System line. Press the OK Button to display the System Settings menu. See Figure 37.

Figure 37 – Systems Settings Screen

Front-Panel Dimmer: Select On 100% for full brightness, dim to 50% or 25% of full brightness or select Off to fully darken the display. The light inside the Volume Control will go out when the display is partly or fully dimmed, but the Power Indicator will always remain lit to remind you that the AVR is powered on.

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ADVANCED FUNCTIONS

GENERAL AVR SETTINGS

Network Settings: When the AVR is connected to a home network router using the Network Jack, you may play shared content stored on a PC or other device connected to the network, and you may enjoy Internet Radio streams when the network is connected to the Internet. If you are having difficulty accessing these sources, check the Network Settings. Highlight the Network Settings line and press the OK Button to view the Network Settings submenu.

- **ID #**: This line is informational only, and identifies the AVR to other devices on your home network and the Internet for www.radioharmankardon.com.
- **Network Settings**: If leaving this setting at "Automatic" does not allow access, press the OK Button to change it to "Manual" and adjust the other settings below it.
- **IP Address, Subnet Mask, Gateway, Primary DNS, Secondary DNS**: Depending on your system, this information may be set automatically and may change each time the AVR accesses the network for a new listening session. Contact your ISP (Internet Service Provider) for this information.
- **Proxy Address** and **Proxy Port**: Some network security systems access the Internet using a proxy server. Sometimes filling in just this information correctly may resolve Internet access issues.

Volume Units: Select whether volume is displayed in the conventional decibel scale or on a numeric scale from 0 to 90. When the decibel scale is used, 0dB is the maximum recommended volume, with lower volumes displayed as negative values.

Volume Default and **Volume Default Level**: These two settings are used together to program the volume level at turn-on. Turn Volume Default on, and then set the Volume Default Level to the desired turn-on volume. When the Volume Default setting is left off, the AVR will play at the last-used volume setting from the previous listening session.

Unit of Measure: Adjusts the speaker-distance settings for Manual Speaker Setup. Select between meters and feet.

Language: Select the preferred language for the AVR's on-screen menus and displays: English, French, Spanish, German, Italian or Russian.

HDMI Audio to TV: Determines whether HDMI audio signals are passed through the HDMI Output to the video display. In normal operation, leave this setting Off, as audio will be played through the AVR. To use the TV by itself, without the home theater system, turn this setting On. Mute the TV's speakers when using the AVR for audio.

Dolby Volume Calibration: This setting determines the Dolby Volume Calibration Offset, as described on page 30 of the Basic Manual. Its default of 0dB is best when the system's loudspeakers have a sensitivity rating of 88dB (8 ohms, 1 watt, 1 meter). If your loudspeakers have a higher sensitivity rating, increase the Dolby Volume Calibration setting by the difference between your speakers' sensitivity and 88dB. If your speakers have a lower sensitivity, decrease the Dolby Volume Calibration setting by the difference between 88dB and your speakers' sensitivity.

Menu Appearance

Menu Transparency: Select whether video programs will be visible when the menu system is in use. Select Normal for a fully transparent background, Medium for partial transparency or Opaque to block video programs while the menus are on screen.

Volume Status Messages: When the AVR is turned on, the volume is adjusted or the source is changed, or if a change in the input signal is detected, a status message will be displayed on screen. Select how long the message remains visible, from 2 to 10 seconds, with a default of 3 seconds. Select "Off" if you do not wish to see the status messages.

Menus: The settings in the Surround Modes, Video Modes and Audio Effects menus only remain in effect during the current listening session. This setting governs how long these menus remain visible after the last adjustment: 5, 10 or 30 seconds, 1 minute or 5 minutes. Select "No Time-Out" to view the menus indefinitely, but this setting is not recommended, due to the danger of "burn-in" on some video displays.

Setup and **Slide-In Menus**: This setting determines how long the setup menus (Main Menu, Speaker Setup Menu, Zone 2 Menu, all slide-in menus) remain visible after the last adjustment. Select a time-out period of 5, 10 or 15 (the default) minutes, or no time-out, which leaves the menus on screen until manually cleared. A time-out period avoids the possibility of burn-in damage to plasma or CRT displays.

Screen Saver: Program a time-out period for no activity (with no menus displayed) before the AVR's built-in screen saver begins. Select a period of 5, 10, 20 or 30 minutes or 1 hour, or turn off the screen saver. A time-out period avoids the possibility of burn-in damage to plasma or CRT displays.

System Information

Software Version: This line is informational only. From time to time, Harman Kardon Inc., may release software upgrades that improve performance or add features. If you are experiencing difficulties with the AVR, a customer service representative may ask for the software version of your product to determine whether a later upgrade is available.

Upgrade Software: If a software upgrade is released for the AVR 760/AVR 660, installation instructions will be available in the Product Support section of the Web site or from Harman Kardon Customer Service. At that time, you may access this submenu to install the upgrade software.

NOTE: During a system upgrade, do not power off the AVR or use any of its controls. Doing so could permanently damage the AVR.

ADVANCED REMOTE CONTROL FUNCTIONS

The AVR 760/AVR 660 remote control also serves as a universal remote that may be programmed to operate other components. Refer to the Function List (Table A14 in the appendix) for assistance in operating your other components. The function of each button will not necessarily correspond to the label printed on the button.

The AVR 760/AVR 660 remote is a sophisticated and versatile device that is easy to program, thanks to its menu-based system.

To access the menu, press and hold the AVR Settings Button for at least 3 seconds, until the remote's Main Menu appears in its LCD Text Display.

The remote's menu is navigated using the ▲▼◀ ▶ Buttons and the OK Button. Scroll up or down to a desired menu option, and press the OK Button to select it.

Main Menu

- **Program Device**: Used to program the control codes for a source device into the appropriate Source Selector. See Step 14 in the Basic Manual for detailed instructions.
- **Learn**: Used to "learn" control codes from a source device's original remote, or to delete previously learned codes for individual keys or entire devices. See Step 14 in the Basic Manual for detailed instructions.
- **Change Device**: Used while programming a Source Selector when the source device doesn't match the Source Selector's device type. For example, when the system uses two DVD players but no media server, you may program the second DVD player's control codes into the Media Server Source Selector by changing its device type to DVD. See Step 14 in the Basic Manual for detailed instructions.
- **Activity**: Used to program a sequence of up to 20 commands into one of 10 activities so that the sequence may be executed by pressing only two buttons (Activity Button and Alphanumeric Key for the specific activity). See below for detailed instructions.
- **Punch-Through**: Used to allow transport- or channel-control of a different system component than the one currently being used. See below for detailed instructions.
- **Rename**: Used to rename a Source Selector or key on the remote to correspond to its actual function. Renaming only affects information appearing in the remote's LCD Text Display. See Step 14 in the Basic Manual for detailed instructions.
- **Back Light**: Used to program the functioning of the remote's back light. See below for detailed instructions.
- **Remote Reset**: Used to reset the remote to its factory defaults, deleting all user programming. See below for detailed instructions.
- **Exit**: Exits the remote's Program Mode when you scroll to this option and press the OK Button.

Activities (Macros)

Activities are used to program sequences of up to 20 commands that are executed with a single button press. Activities are well suited for power-on and -off commands, to send out a multidigit channel number with one button press, or to control another device with more flexibility than the built-in punch-through controls. Up to 11 activities may be programmed.

NOTE: Use caution when programming complicated activities. It isn't possible to program a pause or delay before sending commands after Power On, and the component may not be ready to respond to commands immediately after powering on.

To program, or "record" an activity:

1. Press and hold the AVR Settings Button for 3 seconds. The remote will enter Program mode, and its Main Menu will be displayed.
2. Use the ▲▼ Buttons to scroll to the Activity option, and press the OK Button.
3. Use the ▲▼ Buttons to select the Record Activity option, and press the OK Button.
4. Use the ▲▼ Buttons to select the command button, and press the OK Button. The command button is the key the user will press to execute the activity. Select the AVR Power On Button, the AVR Power Off Button or one of the Alphanumeric Keys.

NOTE: When one of the Alphanumeric Keys is used as the command button, first press the Activity Button, then the Alphanumeric Key, to execute the activity. When the Alphanumeric Key is pressed by itself, the activity will not be executed. However, when the AVR Power On Button or the AVR Power Off Button is selected as the command button, the activity will be executed every time the programmed AVR Power Button is pressed.

5. Use the ▲▼ Buttons to select the last source, and press the OK Button. This places the AVR and the remote in the desired device mode after the Activity is finished.
6. Begin pressing the keys for the desired commands. Each command will appear in the LCD Display, with the source in use shown in square brackets on the left.
   - To switch to another source, press its Source Selector. This will count as one of the 20 commands allowed in each activity.
   - To include the AVR Power On or AVR Power Off commands, first press the AVR Settings Button to set the remote in AVR device mode, then press the desired power button.
   - To program menu navigation, press the ▶ Button to make a selection, and press the ◀ Button to return to a previous menu level. Pressing the OK Button will end the command sequence and save it as an activity, while pressing the Back/Exit Button will exit Program mode without saving the activity.
7. To end the command sequence, press the OK Button.
8. Use the ▲▼ Buttons to select either the End Activity option or the Edit Title option, and press the OK Button.
   - **End Activity**: The activity will be saved. When the activity is executed, its command button, e.g., Activity 9, will appear in the LCD Display.

- **Edit Title**: You may name the activity, e.g., All Power Off. When the activity is executed, its name will appear in the LCD Display. When this option is selected, the cursor will flash. Type the title for the activity using the Alphanumeric Keys. Each Alphanumeric Key has the characters available in addition to its number printed above the key. Each press of the key scrolls through the available characters. To move to the next character, either press the ▶ Button, or press the next desired Alphanumeric Key. Press the OK Button when you have finished.

To execute an activity, press the Activity Button, then the Alphanumeric Key you selected as the command button in Step 4. If you selected the AVR Power On or Off Button in Step 4, you do not need to press the Activity Button first.

To view the steps previously programmed for an activity without executing it:

1. Press and hold the AVR Settings Button for 3 seconds. The remote will enter Program mode, and its Main Menu will be displayed.
2. Use the ▲▼ Buttons to scroll to the Activity option, and press the OK Button.
3. Use the ▲▼ Buttons to select the Read Activity option, and press the OK Button.
4. Use the ▲▼ Buttons to select the command button, and press the OK Button.
5. Use the ▲▼ Buttons to scroll through the steps programmed into the activity. It is not possible to make any changes. When you have finished, press the OK Button or the Back/Exit Button to exit Program mode.

It isn't possible to "edit" a command within an activity. To delete the activity:

1. Press and hold the AVR Settings Button for 3 seconds. The remote will enter Program mode, and its Main Menu will be displayed.
2. Use the ▲▼ Buttons to scroll to the Activity option, and press the OK Button.
3. Use the ▲▼ Buttons to select the Delete Activity option, and press the OK Button.
4. Use the ▲▼ Buttons to select the command button or title, and press the OK Button. The activity, including any title you gave it, will be deleted.

Punch-Through Programming

The punch-through feature allows you to operate one component, while setting certain groups of controls to operate another component. For example, while using the AVR controls for surround modes and other audio functions, you may operate the transport controls of your DVD player. Or while using the remote to control video functions on your TV, you may use your cable box to change channels.

To program punch-through control while operating any device:

1. Press and hold the AVR Settings Button for 3 seconds. The remote will enter Program mode, and its Main Menu will be displayed.
2. Use the ▲▼ Buttons to scroll to the Punch-Through option, and press the OK Button.
3. Use the ▲▼ Buttons to select either Channel or Transport control, and press the OK Button.
4. Use the ▲▼ Buttons to scroll to the device in use, and press the OK Button. For example, to change channels using the cable or satellite set-top box while using the remote to operate the TV, select the TV source in this step.
5. Use the ▲▼ Buttons to select the punch-through device (CBL/SAT in the example given in step 4), press the OK Button, and the Punch-Through programming will be saved.

To undo punch-through programming, follow the same steps as above, but select the same Source in Steps 4 and 5.

NOTE: The Volume and Mute controls are always dedicated to the AVR.

Back Light

The AVR remote is equipped with a back light to illuminate the keys and LCD Display to facilitate its use in a darkened home theater environment.

To turn the back light on or off at any time, press the Back Light Button.

The back light's turn-on mode may be programmed:

- **Normal**: The back light stays off unless the Back Light Button is pressed.
- **On Full**: The back light will turn on any time a key is pressed.

In both modes, the back light will remain on for 5 seconds after the last button press, and then turn off automatically.

To program the remote's back light mode:

1. Press and hold the AVR Settings Button for 3 seconds. The remote will enter Program mode, and its Main Menu will be displayed.
2. Use the ▲▼ Buttons to scroll to the Back Light option, and press the OK Button.
3. Use the ▲▼ Buttons to select the Normal or On Full option, and press the OK Button to finish.

Remote Reset

To reset the remote to its factory defaults, erasing all product codes, learned codes, activities and other user programming:

1. Press and hold the AVR Settings Button for 3 seconds. The remote will enter Program mode, and its Main Menu will be displayed.
2. Use the ▲▼ Buttons to scroll to the Remote Reset option, and press the OK Button. The process may take a few minutes, depending on the amount of user programming requiring erasure. Please wait until the "Remote Reset Complete" message appears before pressing any keys.

Appendix – Default settings, worksheets, remote product codes

Table A1 – Recommended Source Component Connections

Device Type	AVR 760/AVR 660 Source	Digital Audio Connection	Analog Audio Connection	Video Connections
Cable TV, satellite TV, HDTV or other device that delivers television programs	CBL/SAT	HDMI 2	Analog 1	HDMI 2
DVD Audio/Video, SACD, Blu-ray Disc, HD-DVD player	DVD	HDMI 1	Analog 2	HDMI 1
Media Server, including Harman Kardon DMC 1000	Media Server	HDMI 4	Analog 5	HDMI 4
TV	TV	Optical 1	Analog 3	Component 1*
Video game console	Game	HDMI 3	Analog 4	HDMI 3
Any audio or video device, e.g., CD player, camcorder, cassette deck	AUX	Coax Front	Analog Front	Composite Front (not used for audio-only devices)
Recorder	Source D	Coaxial 2 input and Coaxial Output	Analog 4 inputs and outputs	Composite OR S-Video 2 input and output
iPod	The Bridge II	None	The Bridge II	The Bridge II for photo- and video-capable iPod models

*Make this connection only when using the TV source for a non-display device. Do not connect your television's or video display's video output to the AVR at any time.

NOTE: Additional components may be connected to available audio and video inputs and assigned to Sources A, B, C and D. A USB drive may be plugged into the front-panel USB Port. For access to content on network computers and other devices, and to enjoy Internet Radio, connect the Network Jack to a home-network router. See page 12 for more information.

Table A2 – Source Setting Defaults

	Cable/Sat	DVD	Media Server	Radio	TV	Game	AUX	The Bridge
Surround Modes (Auto Select)	Logic 7 Movie	Logic 7 Movie	Logic 7 Music	Logic 7 Movie	Logic 7 Movie	Logic 7 Movie	Logic 7 Music	Logic 7 Music
Video Input	HDMI 2	HDMI 1	HDMI 4	N/A	Component 1	HDMI 3	Composite Front	The Bridge II
Audio Input	HDMI 2	HDMI 1	HDMI 4	N/A	Optical 1	HDMI 3	Coaxial Front	The Bridge II
Resolution to Display*	576i/480i	576i/480i	576i/480i	576i/480i	576i/480i	576i/480i	576i/480i	576i/480i
Audio Auto Polling	Off	Off	Off	N/A	Off	Off	Off	N/A
Zone 2 Audio	Analog 1	Analog 2	Analog 5	Radio	Analog 3	Analog 4	Analog Front	The Bridge II
Zone 2 Video	Composite Video 1	Composite Video 2	Composite Video 3	N/A	Composite Video 2	Composite Video 3	Composite Video Front	The Bridge II
Trigger 2	On	On	On	On	On	On	On	On
Dolby Volume	Medium	Low	Medium	Medium	Medium	Medium	Low	Medium
Record Out	Analog	Analog	Analog	Analog	Analog	Analog	Analog	Analog

* Video output resolution may vary for HDMI connections.

Table A2 – Source Setting Defaults – continued

	USB	Internet Radio	Network	Source A	Source B	Source C	Source D
Surround Modes (Auto Select)	Logic 7 Movie	Logic 7 Music	Logic 7 Music	Logic 7 Movie	Logic 7 Movie	Logic 7 Movie	Logic 7 Movie
Video Input	USB	Internet Radio	Network	Component Video 2	Component Video 3	Composite Video 1	Composite Video 2
Audio Input	USB	N/A	Network	Optical 2	Optical 3	Analog 1	Coaxial 2
Resolution to Display	576i/480i	576i/480i	576i/480i	576i/480i	576i/480i	576i/480i	576i/480i
Audio Auto Polling	N/A	N/A	N/A	Off	Off	Off	Off
Zone 2 Audio	USB	Internet Radio	Network	Analog 1	Analog 2	Analog 3	Analog 4
Zone 2 Video	N/A	N/A	N/A	Composite Video 1	Composite Video 2	Composite Video 3	Composite Video Front
Trigger 2	On	On	On	On	On	On	On
Dolby Volume	Medium	Medium	Medium	Medium	Medium	Medium	Medium
Record Out	Analog	Analog	Analog	Analog	Analog	Analog	Analog

Table A3 – Speaker/Channel Setting Defaults

	All Digital and 2-Channel Analog Audio Inputs	6-/8-Channel Analog Audio Inputs*	Your Settings Position 1 (AVR 760, AVR 660)	Your Settings Position 2 (AVR 760)
Left/Right Speakers	ON	ON		
Center Speaker	ON	ON		
Left/Right Surround Speakers	ON	ON		
Left/Right Surround Back Speakers	OFF	OFF		
Subwoofer 1	ON	ON		
Subwoofer 2	ON	ON		
Left/Right Speakers Crossover	100Hz	Large*		
Center Speaker Crossover	100Hz	Large*		
Left/Right Surround Speakers Crossover	100Hz	Large*		
Left/Right Surround Back Speakers Crossover	100Hz	Large*		
Subwoofer Mode	LFE	LFE*		
Subwoofer 1 Size	10 inch/25 cm	ON		
Subwoofer 2 Size	10 inch/25 cm	OFF		
Front Left Level	0dB	0dB		
Center Level	0dB	0dB		
Front Right Level	0dB	0dB		
Surround Right Level	0dB	0dB		
Surround Back Right Level	0dB	0dB		
Surround Back Left Level	0dB	0dB		
Surround Left Level	0dB	0dB		
Sub Level	0dB	0dB		

* Note: When the Tone Mode setting is Off, the 6-/8-Channel Inputs are "direct" inputs whose signals are passed directly to the volume control without any bass management processing. The speakers remain full-range and cannot be adjusted. When the Tone Mode setting is On, the defaults are the same as for the other audio inputs. The settings are global for the remaining audio inputs.

Table A4 – Delay Setting Defaults

Speaker Position	Distance From Speaker to Listening Position	Your Delay Settings Position 1 (AVR 760, AVR 660)	Your Delay Settings Position 2 (AVR 760)
Front Left	4 meter		
Center	4 meter		
Front Right	4 meter		
Surround Right	3,3 meter		
Surround Left	3,3 meter		
Surround Back Right	3,3 meter		
Surround Back Left	3,3 meter		
Subwoofer 1	4 meter		
Subwoofer 2	4 meter		

Table A5 – Source Settings

	Cable/Sat	DVD	Media Server	Radio	TV	Game	AUX	The Bridge
Device Type								
Surround Modes								
Video Input								The Bridge II
Audio Input								The Bridge II
Resolution to Display								
Adjust Lip Sync								
Change Name								N/A
Audio Auto Polling								N/A
Zone 2 Audio								The Bridge II
Zone 2 Video								
Trigger 2								
Dolby Volume								
Record Out								

Table A5 – Source Settings – continued

	USB	Internet Radio	Network	Source A	Source B	Source C	Source D
Device Type	USB Drive	N/A					
Surround Modes							
Video Input	USB	N/A	Network				
Audio Input	USB	Internet Radio	Network				
Resolution to Display							
Adjust Lip Sync							
Change Name							
Audio Auto Polling	N/A	N/A	N/A				
Zone 2 Audio	USB	Internet Radio	Network				
Zone 2 Video	N/A	N/A	N/A				
Trigger 2							
Dolby Volume							
Record Out							

Table A6 – Audio Effects Settings

	Default	Cable/Sat	DVD	Media Server	Radio	TV	Game	AUX	The Bridge
Dolby Volume	See Source								
Tone Control	Off								
Treble	0dB								
Bass	0dB								
LFE Trim	0dB								
EQ	On								
Speaker Setup	Position 1								

Table A6 – Audio Effects Settings – continued

	USB	Internet Radio	Network	Source A	Source B	Source C	Source D
Dolby Volume							
Tone Control							
Treble							
Bass							
LFE Trim							
EQ							
Speaker Setup							

Table A7 – Video Modes Settings

	Default	Cable/Sat	DVD	Media Server	Radio	TV	Game	AUX	The Bridge
Video Mode	Off								
Brightness*	50								
Contrast*	50								
Color*	50								
Sharpness*	50								
Picture Adjust	Auto Fit								
Overscan	On								
Noise Reduction**	Low								
MPEG Noise Reduction**	Low								
Cross Color Suppressor**	On								
Flesh Tone Enhancement**	Off								
Black Level**	Off								
Deinterlacing**	On								
Film Mode Detect**	3:2								

Table A7 – Video Modes Settings – continued

	USB	Internet Radio	Network	Source A	Source B	Source C	Source D
Video Mode							
Brightness*							
Contrast*							
Color*							
Sharpness*							
Picture Adjust							
Overscan							
Noise Reduction**							
MPEG Noise Reduction**							
Cross Color Suppressor**							
Flesh Tone Enhancement**							
Black Level**							
Deinterlacing**							
Film Mode Detect**							

* Note: These settings are only available when the Video Mode is set to Custom.

** Note: These settings are only displayed when Advanced Video Settings is selected.

Table A8 – Surround Modes

	Default	Cable/Sat	DVD	Media Server	Radio	TV	Game	AUX	The Bridge
Auto Select	Logic 7 Movie or native digital format								
Virtual Surround	Dolby Virtual Speaker Reference								
Stereo	5 CH Stereo								
Movie	Logic 7 Movie								
Music	Logic 7 Music								
Game	Logic 7 Game								
Center Width*	0								
Dimension*	0								
Panorama*	Off								

Table A8 – Surround Modes – continued

	USB	Internet Radio	Network	Source A	Source B	Source C	Source D
Auto Select							
Virtual Surround							
Stereo							
Movie							
Music							
Game							
Center Width*							
Dimension*							
Panorama*							

* Note: These settings are only available when Dolby Pro Logic II or IIx Music mode has been selected. Access these settings by selecting the Edit option.

Table A9 – Remote Control Codes

Source Input	Device Type (if changed)	Product Brand and Code Number
Cable/Sat		
DVD		
Media Server		
TV		
Game		
AUX		
Source A (Red Soft Key)		
Source B (Green Soft Key)		
Source C (Yellow Soft Key)		
Source D (Blue Soft Key)		

Table A10 – System Settings

Feature	Default	Your Settings
Front-Panel Dimmer	On 100%	
Volume Units	dB	
Volume Default	Off	
Volume Default Level	–25dB	
Unit of Measure	Feet	
Language	English	
HDMI Audio to TV	Off	
Dolby Volume Calibration	0dB	
Menu Transparency	Medium	
Volume/Status Messages	3 seconds	
Menus	1 minute	
Setup and Slide-In Menus	15 minutes	
Screen Saver	10 minutes	
Software Version	Check your product	

Table A11 – Network Settings

Setting	Your Settings
ID #	
Network Settings	
IP Address	
Subnet Mask	
Gateway	
Primary DNS	
Secondary DNS	
Proxy Address	
Proxy Port	

Table A12 – Zone 2 Settings

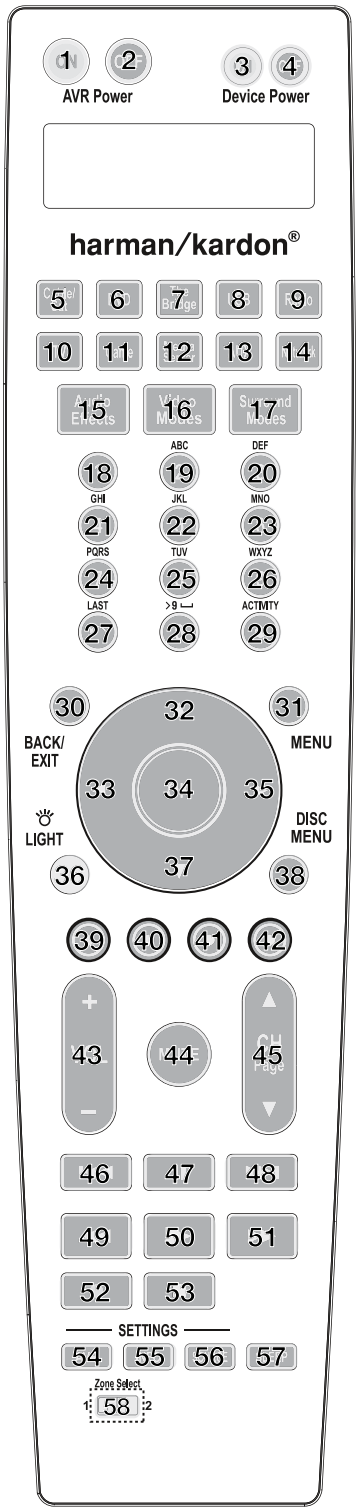
Source Input	Default	Your Settings
Status	Off	
Source	FM Radio	
Volume	–25dB	
Surround Back Amps	Main Room	
Carrier Out	Zone 2	

Table A13 – Surround Modes

Surround Mode	Description	Incoming Bitstream or Signal
Dolby Digital	Provides up to five separate main audio channels and a dedicated low-frequency effects (LFE) channel.	• Dolby Digital 1/0/.0 or .1, 2/0/.0 or .1, 3/0/.0 or .1, 2/1/.0 or .1, 2/2/.0 or .1, 3/2/.0 or .1 • Dolby Digital EX (played as 5.1) • Dolby Digital Plus decoded and delivered via coax or optical connection
Dolby Digital EX	An expansion of Dolby Digital 5.1 that adds a surround back channel which may be played through one or two surround back speakers. May be manually selected when a non-EX Dolby Digital stream is detected.	• Dolby Digital EX • Dolby Digital 2/2/.0 or .1, 3/2/.0 or .1
Dolby Digital Plus	An enhanced version of Dolby Digital encoded more efficiently, Dolby Digital Plus has the capacity for additional discrete channels and for streaming audio from the Internet, all with enhanced audio quality. Source material may be delivered via an HDMI connection, or decoded to Dolby Digital or PCM and transmitted via S/P-DIF coaxial or optical digital audio.	• Dolby Digital Plus via HDMI connection (source device decodes to Dolby Digital when a coax or optical connection is used)
Dolby TrueHD	Dolby TrueHD is an expansion of MLP Lossless™ audio, the same format used on DVD Audio discs. Dolby TrueHD adds the features found in Dolby Digital, such as night mode settings, while delivering fully lossless audio that is a true reproduction of the studio master recording.	• Blu-ray Disc or HD-DVD encoded with Dolby TrueHD, delivered via HDMI
Dolby Digital Stereo	Delivers a 2-channel downmix of Dolby Digital materials.	• Dolby Digital 1/0/.0 or .1, 2/0/.0 or .1, 3/0/.0 or .1, 2/1/.0 or .1, 2/2/.0 or .1, 3/2/.0 or .1 • Dolby Digital EX
Dolby Pro Logic II Mode Group	Analog decoder that derives five full-range, discrete main audio channels from matrix surround-encoded or 2-channel analog sources. Four variants are available.	See below
Dolby Pro Logic II Movie	Variant of Dolby Pro Logic II that is optimized for movie and television programs.	• Dolby Digital 2.0 or 2.1 • Analog (2-channel) • Tuner • PCM (32kHz, 44.1kHz, 48kHz, 96kHz)
Dolby Pro Logic II Music	Variant of Dolby Pro Logic II that is optimized for music selections. Allows adjustment of sound field presentation in three dimensions: • Center Width (adjusts width of vocal soundstage) • Dimension (adjusts depth of soundstage) • Panorama (adjusts wraparound surround effect)	• Dolby Digital 2.0 or 2.1 • Analog (2-channel) • Tuner • PCM (32kHz, 44.1kHz, 48kHz, 96kHz)
Dolby Pro Logic II Game	Variant of Dolby Pro Logic II that emphasizes use of the surround channels and subwoofer for total immersion in the video gaming experience.	• Dolby Digital 2.0 or 2.1 • Analog (2-channel) • Tuner • PCM (32kHz, 44.1kHz, 48kHz, 96kHz)
Dolby Pro Logic	Original version of Dolby Pro Logic that steered a mono signal containing information below 7kHz to the surround channels.	• Dolby Digital 2.0 or 2.1 • Analog (2-channel) • Tuner • PCM (32kHz, 44.1kHz, 48kHz, 96kHz)

Surround Mode	Description	Incoming Bitstream or Signal
Dolby Pro Logic IIx Mode Group	An expansion of Dolby Pro Logic II that adds a surround back channel which may be played through one or two surround back speakers. The Dolby Pro Logic IIx modes may be selected not only with Dolby Digital bitstreams, but thanks to the AVR 760/AVR 660's post-processor, they may also be used with some DTS bitstreams to add a surround back channel to 5.1 modes.	See below
Dolby Pro Logic IIx Movie	This mode is similar to Dolby Pro Logic II Movie, with an added surround back channel.	• Dolby Digital 2/0/.0 or .1, 2/2/.0 or .1, 3/2/.0 or .1, EX • Analog (2-channel) • Tuner • PCM (32kHz, 44.1kHz, 48kHz, 96kHz)
Dolby Pro Logic IIx Music	This mode is similar to Dolby Pro Logic II Music, including the availability of center width, dimension and panorama adjustments. Dolby Pro Logic IIx Music adds a surround back channel.	• Dolby Digital 2/0/.0 or .1, 2/2/.0 or .1, 3/2/.0 or .1, EX • Analog (2-channel) • Tuner • PCM (32kHz, 44.1kHz, 48kHz, 96kHz)
Dolby Pro Logic IIx Game	This mode is similar to Dolby Pro Logic II Game, with the added benefit of a surround back channel.	• Dolby Digital 2/0/.0 or .1 • Analog (2-channel) • Tuner • PCM (32kHz, 44.1kHz, 48kHz)
Dolby Virtual Speaker Mode Group	Simulates 5.1 channels when only two speakers are present, or a more enveloping sound field is desired.	See below
Dolby Virtual Speaker Reference	When only two main speakers are present, the Reference mode virtualizes a full surround presentation with accurate localization.	• Dolby Digital (uses only two-speaker mode when signal does not contain center channel information) • Analog (2-channel) • Tuner • PCM (32kHz, 44.1kHz or 48kHz)
Dolby Virtual Speaker Wide	When only two main speakers are present, the Reference mode virtualizes a full surround presentation with accurate localization.	• Dolby Digital (uses only two-speaker mode when signal does not contain center channel information) • Analog (2-channel) • Tuner • PCM (32kHz, 44.1kHz or 48kHz)
DTS Digital	Using a different encoding/decoding method than Dolby Digital, it also provides up to five discrete main channels, plus an LFE channel.	• DTS 1/0/.0 or .1, 2/0/.0 or .1, 3/0/.0 or .1, 3/1/.0 or .1, 2/2/.0 or .1, 3/2/.0 or .1 • DTS-ES Matrix (played as 5.1) • DTS-ES Discrete (played as 5.1)
DTS-HD	DTS-HD is a new high-definition audio format that complements the high-definition video found on Blu-ray Disc and HD-DVD discs. It is transmitted using a DTS core with high-resolution extensions. Even when only DTS 5.1 surround sound is desired (or available, if the multizone system is in use), the higher capacity of high-resolution discs serves up DTS at twice the bit rate used on DVD-Video discs.	• Blu-ray Disc or HD-DVD discs encoded with DTS-HD modes, delivered via HDMI
DTS-HD Master Audio	DTS-HD Master Audio technology delivers bit-for-bit reproductions of the studio master recording in up to 7.1 channels, for an incredibly accurate performance.	• Blu-ray Disc or HD-DVD discs encoded with DTS-HD Master Audio technology, delivered via HDMI
DTS-ES Matrix	DTS Extended Surround adds a single surround back channel to DTS 5.1 digital surround sound. The Matrix version includes the surround back channel information "matrixed" into the left and right (side) surround channels, for compatibility with 5.1-channel systems.	• DTS-ES Matrix
DTS-ES Discrete	DTS-ES Discrete is another Extended Surround mode that adds a surround back channel, but this information is encoded discretely on the disc, and is not derived from information contained in the surround channels.	• DTS-ES Discrete

Surround Mode	Description	Incoming Bitstream or Signal
DTS Stereo	Delivers a 2-channel downmix of DTS Digital materials, or presents a matrix-encoded surround presentation.	• DTS 1/0/.0 or .1, 2/0/.0 or .1, 3/0/.0 or .1, 3/1/.0 or .1, 2/2/.0 or .1, 3/2/.0 or .1 • DTS 96/24 • DTS-ES Matrix • DTS-ES Discrete
DTS Neo:6 Mode Group	DTS Neo:6 analog processing is available with DTS and DTS 96/24 signals and 2-channel analog or PCM signals to create a 3-, 5- or 6-channel presentation.	See below
DTS Neo:6 Cinema	Depending on the number of speakers in your system, select 3-, 5- or 6-channel modes, enhanced for movie or video presentations.	• DTS 2/2/.0 or .1, 3/2/.0 or .1 • DTS 96/24 • Analog (2-channel) • PCM (32kHz, 44.1kHz or 48kHz)
DTS Neo:6 Music	Available only in 5- and 6-channel modes, creates a surround presentation suitable for music recordings.	• DTS 2/2/.0 or .1, 3/2/.0 or .1 • DTS 96/24 • Analog (2-channel) • PCM (32kHz, 44.1kHz or 48kHz)
Logic 7 Mode Group	A Harman International proprietary technology, Logic 7 technology enhances 2-channel and matrix-encoded recordings by deriving separate information for the surround back channels. This provides more accurate placement of sound, improves panning and expands the sound field, even when used with 5.1-channel systems. Logic 7 technology uses 96kHz processing, and is available in 5.1-or 7.1-channel modes. Three variants are available.	See below
Logic 7 Movie	Especially suited to 2-channel sources containing Dolby Surround or matrix encoding, Logic 7 Movie mode increases center channel intelligibility.	• Analog (2-channel) • Tuner • PCM (32kHz, 44.1kHz, 48kHz, 96kHz)
Logic 7 Music	The AVR 760/AVR 660 is programmed at the factory to default to this mode for 2-channel signals. Logic 7 Music mode is well suited to conventional 2-channel music recordings.	• Analog (2-channel) • Tuner • PCM (32kHz, 44.1kHz, 48kHz, 96kHz)
Logic 7 Game	Use Logic 7 Game mode to enhance enjoyment of video game consoles.	• Analog (2-channel) • Tuner • PCM (32kHz, 44.1kHz, 48kHz, 96kHz)
5-Channel Stereo	Useful for parties, the left- and right-channel information is played through both the front and surround speakers on each side, while the center speaker plays a summed mono mix.	• Analog (2-channel) • Tuner • PCM (32kHz, 44.1kHz, 48kHz, 96kHz, 192kHz)
7-Channel Stereo	Expands the 5-Channel Stereo presentation to include the surround back channels.	• Analog (2-channel) • Tuner • PCM (32kHz, 44.1kHz, 48kHz, 96kHz, 192kHz)
2-Channel Stereo	Turns off all surround processing and plays a pure 2-channel signal or a downmix of a multichannel signal. The signal is digitized and bass management settings are applied, making it appropriate when a subwoofer is used.	• Analog (2-channel; DSP downmix available for multichannel) • Tuner • PCM (32kHz, 44.1kHz, 48kHz, 96kHz)
2-Channel Stereo (Analog Bypass)	Maintains an analog input signal in that form, bypassing all digital processing (i.e., surround and bass management). Requires Tone Control setting to be off.	• Analog (2-channel) • Tuner



Refer to the numbered buttons in Figure 38 when using the Function List.

Figure 38 – Remote Control Function List Reference

Table A14 – Remote Control Function List

No.	Button Name	AVR	Radio		DVD	Media Server	TV	The Bridge	Cable/SAT
			FM	AM		DMC1000			
01	AVR Power On	AVR Power On	AVR Power On	AVR Power On	AVR Power On	AVR Power On	AVR Power On	AVR Power On	AVR Power On
02	AVR Power Off	AVR Power Off	AVR Power Off	AVR Power Off	AVR Power Off	AVR Power Off	AVR Power Off	AVR Power Off	AVR Power Off
03	Device Power On				Power On	On	Power On	Power On	Power On
04	Device Power Off				Power Off	Off	Power Off	Power Off	Power Off
05	Cable/SAT	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel
06	DVD	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel
07	The Bridge	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel
08	USB	USB	USB	USB	USB	USB	USB	USB	USB
09	Radio	Radio	Radio	Radio	Radio	Radio	Radio	Radio	Radio
10	TV	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel
11	Game	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel
12	Media Server	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel
13	AUX	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel
14	Network	Network	Network	Network	Network	Network	Network	Network	Network
15	Audio Effects	Audio Effects	Audio Effects	Audio Effects	Audio Effects	Audio Effects	Audio Effects	Audio Effects	Audio Effects
16	Video Modes	Video Modes	Video Modes	Video Modes	Video Modes	Video Modes	Video Modes	Video Modes	Video Modes
17	Surround Modes	Surround Modes	Surround Modes	Surround Modes	Surround Modes	Surround Modes	Surround Modes	Surround Modes	Surround Modes
18	1	1	1	1	1	1	1	1	1
19	2	2	2	2	2	2	2	2	2
20	3	3	3	3	3	3	3	3	3
21	4	4	4	4	4	4	4	4	4
22	5	5	5	5	5	5	5	5	5
23	6	6	6	6	6	6	6	6	6
24	7	7	7	7	7	7	7	7	7
25	8	8	8	8	8	8	8	8	8
26	9	9	9	9	9	9	9	9	9
27	Last	Last	Last	Last			Prev. Ch	Last	Prev. Ch
28	0	0	0	0	0	0	0	0	0
29	Activity	Activity	Activity	Activity	Activity	Activity	Activity	Activity	Activity
30	Back/Exit	Back/Exit	Back/Exit	Back/Exit	Clear	Back		Back/Exit	Bypass
31	Menu	Menu	Menu	Menu	Menu	Menu	Menu	Menu	Menu
32	Up	Up	Tune Up	Tune Up	Up	Up	Up	Up	Up
33	Left	Left	Preset/Down	Preset/Down	Left	Left	Left	Left	Left
34	OK	OK	OK	OK	Enter	Enter	OK	OK	OK
35	Right	Right	Preset/Up	Preset/Up	Right	Right	Right	Right	Right
36	Light	Light	Light	Light	Light	Light	Light	Light	Light
37	Down	Down	Tune Down	Tune Down	Down	Down	Down	Down	Down
38	Disc Menu				Disc Menu	Disc Menu	OSD		OSD
39	Red	Input Sel (A)	Input Sel (A)	Input Sel (A)	Angle	Angle		Input Sel (A)	Guide
40	Green	Input Sel (B)	Input Sel (B)	Input Sel (B)	Subtitle	Subtitle		Input Sel (B)	PPV
41	Yellow	Input Sel (C)	Input Sel (C)	Input Sel (C)	Audio	Audio		Input Sel (C)	Fav. Ch.
42	Blue	Input Sel (D)	Input Sel (D)	Input Sel (D)	Zoom	Zoom		Input Sel (D)	Music
43	Volume +	AVR Volume +	AVR Volume +	AVR Volume +	AVR Volume +	AVR Volume +	AVR Volume +	AVR Volume +	AVR Volume +
	Volume –	AVR Volume –	AVR Volume –	AVR Volume –	AVR Volume –	AVR Volume –	AVR Volume –	AVR Volume –	AVR Volume –
44	Mute	AVR Mute	AVR Mute	AVR Mute	AVR Mute	AVR Mute	AVR Mute	AVR Mute	AVR Mute
45	Channel/Page Up	Channel/Preset Up	Preset Up	Preset Up	Page Up		Channel Up	Page Up	Channel Up
	Channel/Page Down	Channel/Preset Down	Preset Down	Preset Down	Page Down		Channel Down	Page Down	Channel Down
46	Previous				Prev. Step	Previous		Previous	
47	Pause				Pause	Pause		Pause	
48	Next				Next Step	Next Step		Next	
49	Rew ◀◀				Rew ◀◀	Rew ◀◀		Rew ◀◀	
50	Play ▶				Play ▶	Play ▶		Play ▶	
51	FF ▶▶				FF ▶▶	FF ▶▶		FF ▶▶	
52	Record					Record			
53	Stop				Stop	Stop		Stop	
54	AVR Settings	AVR Settings	AVR Settings	AVR Settings	AVR Settings	AVR Settings	AVR Settings	AVR Settings	AVR Settings
55	Info Settings	Info Settings	Info Settings	Info Settings	Info Settings	Info Settings	Info Settings	Info Settings	Info Settings
56	Source Settings				Setup	Setup	TV/VCR		TV/CATV
57	Sleep	Sleep	Sleep	Sleep	Sleep	Sleep	Sleep	Sleep	Sleep
58	Zone Select	Zone Select	Zone Select	Zone Select	Zone Select	Zone Select	Zone Select	Zone Select	

No.	Button Name	Game	AUX					USB	Network
			CD	HDTV	PVR	TiVo	VCR		
01	AVR Power On	AVR Power On	AVR Power On	AVR Power On	AVR Power On	AVR Power On	AVR Power On	AVR Power On	AVR Power 0
02	AVR Power Off	AVR Power Off	AVR Power Off	AVR Power Off	AVR Power Off	AVR Power Off	AVR Power Off	AVR Power Off	AVR Power Off
03	Device Power On	Play	Power On	Power On	Power On	Power On	Power On		
04	Device Power Off	Stop	Power Off	Power Off	Power Off	Power Off	Power Off		
05	Cable/SAT	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel
06	DVD	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel
07	The Bridge	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel
08	USB	USB	USB	USB	USB	USB	USB	USB	USB
09	Radio	Radio	Radio	Radio	Radio	Radio	Radio	Input Sel	Input Sel
10	TV	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel
11	Game	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel
12	Media Server	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel
13	AUX	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel	Input Sel
14	Network	Network	Network	Network	Network	Network	Network	Network	Network
15	Audio Effects	Audio Effects	Audio Effects	Audio Effects	Audio Effects	Audio Effects	Audio Effects	Audio Effects	Audio Effects
16	Video Modes	Video Modes	Video Modes	Video Modes	Video Modes	Video Modes	Video Modes	Video Modes	Video Modes
17	Surround Modes	Surround Modes	Surround Modes	Surround Modes	Surround Modes	Surround Modes	Surround Modes	Surround Modes	Surround Modes
18	1	1	1	1	1	1	1	1	1
19	2	2	2	2	2	2	2	2	2
20	3	3	3	3	3	3	3	3	3
21	4	4	4	4	4	4	4	4	4
22	5	5	5	5	5	5	5	5	5
23	6	6	6	6	6	6	6	6	6
24	7	7	7	7	7	7	7	7	7
25	8	8	8	8	8	8	8	8	8
26	9	9	9	9	9	9	9	9	9
27	Last	Enter		Prev. Ch	Instant Replay	Enter/Last		Last	Last
28	0	0	0	0	0	0	0	0	0
29	Activity	Activity	Activity	Activity	Activity	Activity	Activity	Activity	Activity
30	Back/Exit	Clear		Exit/Cancel	Exit	Exit	Cancel	Back/Exit	Back/Exit
31	Menu	Start		Menu	Menu	Menu	Menu	Menu	Menu
32	Up	Up		Up	Up	Up	Up	Up	Up
33	Left	Left		Left	Left	Left	Left	Left	Left
34	OK	Select		Enter	Setup	Select	Enter	OK	OK
35	Right	Right		Right	Right	Right	Right	Right	Right
36	Light	Light	Light	Light	Light	Light	Light	Light	Light
37	Down	Down		Down	Down	Down	Down	Down	Down
38	Disc Menu	DVD Menu		OSD	AV	TiVo	OSD		
39	Red	●	Open/Close	Caption	Mark	Window		Input Sel (A)	Input Sel (A)
40	Green	■	Random Play	Fav. Ch	Repeat	Live TV		Input Sel (B)	Input Sel (B)
41	Yellow	▲	Repeat	MTS	Jump Up	Slow		Input Sel (C)	Input Sel (C)
42	Blue	X	Intro Scan	Aspect	Jump Down	Skip		Input Sel (D)	Input Sel (D)
43	Volume +	AVR Volume +	AVR Volume +	AVR Volume +	AVR Volume +	AVR Volume +	AVR Volume +	AVR Volume +	AVR Volume +
	Volume –	AVR Volume –	AVR Volume –	AVR Volume –	AVR Volume –	AVR Volume –	AVR Volume –	AVR Volume –	AVR Volume –
44	Mute	AVR Mute	AVR Mute	AVR Mute	AVR Mute	AVR Mute	AVR Mute	AVR Mute	AVR Mute
45	Channel/Page Up	Scan Up	(+10)	Channel Up	Channel Up	Channel Up	Channel Up	Channel Up	Channel Up
	Channel/Page Down	Scan Down	Disc Skip	Channel Down	Channel Down	Channel Down	Channel Down	Channel Down	Channel Down
46	Previous	Slow Down	Skip Down	Back	Last Clip	Thumb Down	Scan Down	Previous	Previous
47	Pause	Pause	Pause	Pause	Pause	Pause	Pause	Pause	Pause
48	Next	Slow Up	Skip Up	Replay	Next Clip	Thumb Up	Scan Up	Next	Next
49	Rew ◀◀	Prev.	R. Search	Rew ◀◀	Rew ◀◀	Rew ◀◀	Rew ◀◀	Rew ◀◀	Rew ◀◀
50	Play ▶	Play ▶	Play ▶	Play ▶	Play ▶	Play ▶	Play ▶	Play ▶	Play ▶
51	FF ▶▶	Next	F. Search	FF ▶▶	FF ▶▶	FF ▶▶	FF ▶▶	FF ▶▶	FF ▶▶
52	Record	Subtitle	Time	Record	Record	Record	Record		
53	Stop	Stop	Stop	Stop	Stop	Stop	Stop	Stop	Stop
54	AVR Settings	AVR Settings	AVR Settings	AVR Settings	AVR Settings	AVR Settings	AVR Settings	AVR Settings	AVR Settings
55	Info Settings	Info Settings	Info Settings	Info Settings	Info Settings	Info Settings	Info Settings	Info Settings	Info Settings
56	Source Settings	Program		TV/VCR	TV/DVR	TV Input	TV/VCR		
57	Sleep	Sleep	Sleep	Sleep	Sleep	Sleep	Sleep	Sleep	Sleep
58	Zone Select							Zone Select	Zone Select

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Part No. CQX1A1308Z A

TROUBLESHOOTING GUIDE

SYMPTOM	CAUSE	SOLUTION
Unit does not function when Main Power Switch is turned on	• No AC Power	• Make certain AC power cord is plugged into a live outlet • Check whether outlet is switch-controlled
Display lights, but no sound or picture	• Intermittent input connections • Mute is on • Volume control is down	• Secure all input and speaker connections • Press Mute Button • Turn up volume control
No sound from any speaker; PROTECT message appears on front panel	• Amplifier is in protection mode due to possible short • Amplifier is in protection mode due to internal problems	• Check speaker wires for shorts at receiver and speaker ends • Contact your local Harman Kardon service center
No sound from surround or center speakers	• Incorrect surround mode • Input is monaural • Incorrect configuration • Stereo or Mono program material	• Select a mode other than Stereo • There is no surround information from mono sources • Check speaker configuration • The surround decoder may not create center- or rear-channel information from nonencoded programs
Unit does not respond to remote commands	• Weak batteries in remote • Wrong device selected • Remote sensor is obscured	• Change remote batteries • Press the AVR Settings Button • Make certain front-panel sensor is in line of sight of remote or connect an optional remote sensor
Intermittent buzzing in tuner	• Local interference	• Move unit or antenna away from computers, fluorescent lights, motors or other electrical appliances
Surround Back Speaker settings cannot be accessed, and test tone does not play through Surround Back Speakers	• Multizone system has been turned on, and the surround back channels were reassigned to multizone operation	• Use the menu system to access the Zone 2 menu and reassign the surround back channels to the main room
Unable to activate Program mode on remote	• AVR Settings Button not held for at least 3 seconds	• Follow the instructions in the remote's LCD Display
Remote buttons light, but AVR does not respond	• Remote is in Zone 2 mode	• Slide the Zone Switch at the bottom of the remote to the Zone 1 position
Unable to play Internet Radio	• AVR is not able to access the Internet	• Make sure the Network Jack is connected to an active router; navigate to the Network Settings submenu in the System Setup menu and change the Network Settings line to "Manual"; contact your ISP to obtain the correct information for the other settings in this submenu
Unable to access content on PC from Network source	• Content not in proper format • Content has not been shared by network device	• Only content in the form of MP3, WMA and JPEG files may be shared with the AVR • Network device must be running compatible software; network device must be programmed to share the content over the network; refer to the Network Playback section on page 34 for details

Additional information on troubleshooting possible problems with your AVR 760/AVR 660, or installation-related issues, may be found in the list of "Frequently Asked Questions", which is located in the Product Support section at www.harmankardon.com.

PROCESSOR RESET

If the unit behaves erratically after a power surge, first turn off the Main Power Switch and unplug the AC power cord for at least 3 minutes. Plug the cord back in and turn the receiver on. If this doesn't help, reset the AVR.

NOTE: A system reset erases all user configurations, including video resolution, speaker and level settings, and tuner presets. After a reset, reenter all of these settings from your notes in the appendix worksheets.

To reset the AVR 760/AVR 660, place it in Standby mode (press the front-panel Standby/On Switch so that the Power Indicator turns amber). Then press the front-panel AVR Settings and Source List Buttons simultaneously until the RESET message appears.

If the receiver does not function correctly after a processor reset, contact an authorized Harman Kardon service center for assistance. Authorized service centers may be located by visiting the Web site at www.harmankardon.com.

NOTE: After performing a system reset, wait at least 1 minute before pressing any Source Selectors. If The Bridge Source Selector is pressed too soon, video playback from the iPod will not be available.

MEMORY

If the AVR 760/AVR 660 is unplugged or experiences a power outage, it will retain user settings for up to four weeks.

REMOTE CONTROL RESET

To reset the remote to its factory defaults, erasing all product codes, learned codes, activities and other user programming:

1. Press and hold the AVR Settings Button for 3 seconds. The remote will enter Program mode, and its Main Menu will be displayed.

2. Use the ▲/▼ Buttons to scroll to the Remote Reset option, and press the OK Button. The process may take a few minutes, depending on the amount of user programming requiring erasure.

Please wait until the “Remote Reset Complete” message appears before pressing any keys.

PROCESSOR RESET

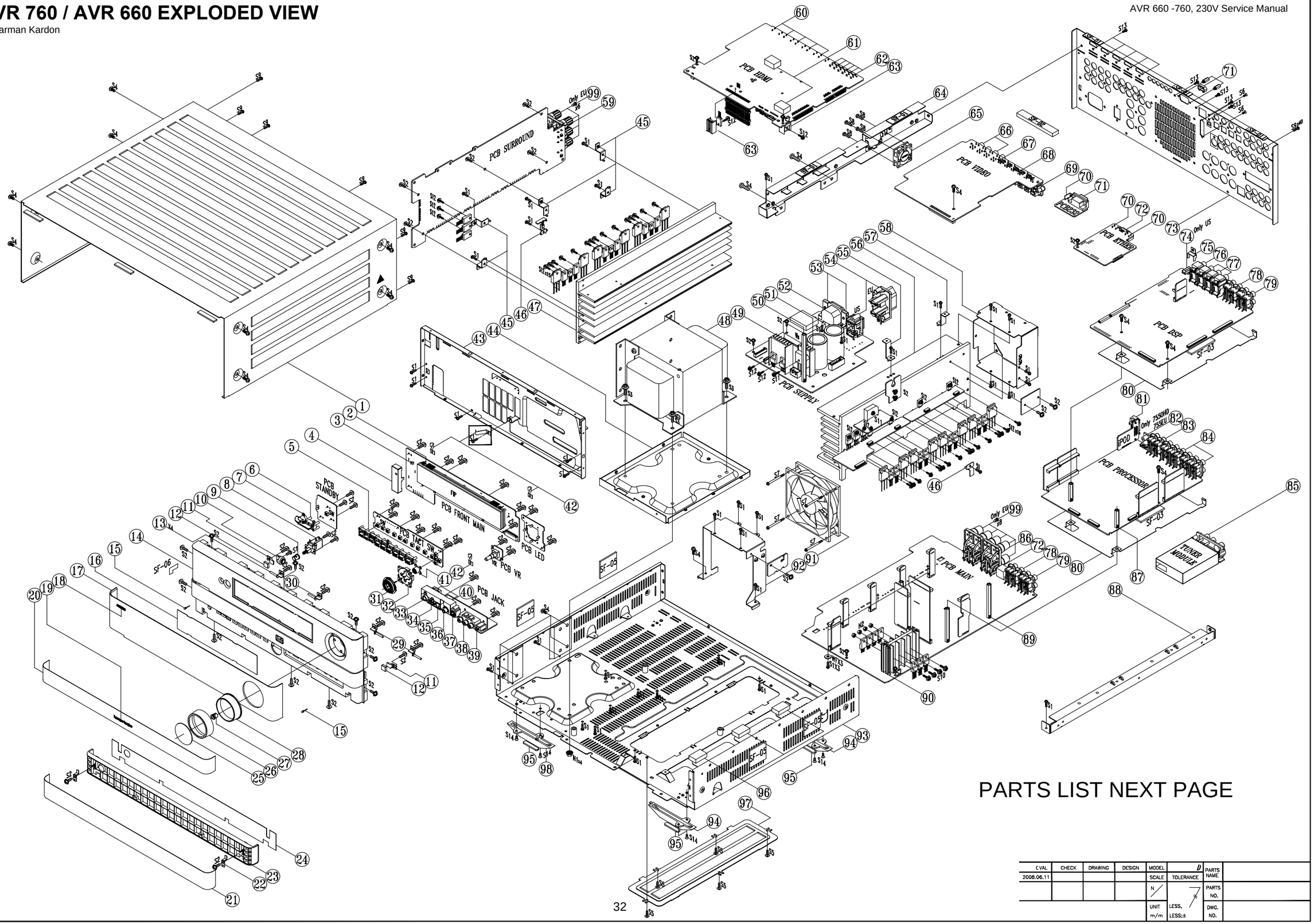
If the unit behaves erratically after a power surge, first turn off the Main Power Switch and unplug the AC power cord for at least 3 minutes. Plug the cord back in and turn the receiver on. If this doesn’t help, reset the AVR.

To reset the AVR 660/760, place it in Standby mode (press the front panel Standby/On Switch so that the Power Indicator turns amber).

Then press the front-panel AVR Settings and Source List Buttons simultaneously until the RESET message appears

AVR 760 / AVR 660 EXPLODED VIEW

Harman Kardon



PARTS LIST NEXT PAGE

C'VAL	CHECK	DRAWING	DESIGN	MODEL		PARTS NAME	
2008.06.11				SCALE	TOLERANCE		
				N		PARTS NO.	
				UNIT m/m	LESS, LESS;±	DWG. NO.	

AVR 660/760 Exploded View Part list

NO	LOC NO	AVR760 EU	AVR660 EU	NAME	Q'TY
1		CKC1A184S60	CKC1A184S60	COVER TOP	1
2		CMH1A285	CMH1A285	HOLDER , VFD AVR755	1
3		CHG1A394	CHG1A394	RUBBER , SENSOR AVR755	1
4		CMC1A335	CMC1A335	SHIELD , IR AVR755	1
5		CBT1A1066H61	CBT1A1066H61	BUTTON , 9KEY AVR755	1
6		CBT1A1070B24	CBT1A1070B24	BUTTON , STANDBY AVR755	1
7		CGL1A270	CGL1A270	INDICATOR , STANDBY	1
8	SW3550	CSH1A001ZV	CSH1A001ZV	SWITCH	1
9		CBC1A162H61Z	CBC1A162H61Z	BUTTON , POWER AVR755	1
10		CDG1A026	CDG1A026	GEAR , DAMPER(DP120)	1
11		CMH1A284	CMH1A284	HOLDER , MAGNET AVR755	2
12		CJC1A009	CJC1A009	MAGNET , AVR755(10X10X4t)	2
13		CDF1A020	CDF1A020	SHAFT , DOOR AVR755	4
14		CGW1A448R4YB24	CGW1A448R4YB24	BODY , FRONT AVR755	1
15		CHG1A385	CHG1A385	RUBBER , DOOR AVR755	2
16		CMZ1A129Z	CMZ1A129Z	FILTER , VFD AVR755	1
17		CGU1A416A25Z	CGU1A416A25Z	WINDOW , FIP AVR755	1
18		CGB1A196Z	CGB1A203Z	BADGE Model Name	1
19		CGB1A158Y	CGB1A158Y	BADGE , FRONT HARMAN/KARDON	1
20		CGX1A405C66Z	CGX1A405C66Z	VENNER , AL FRONT AVR755	1
21		CGX1A404C66Z	CGX1A404C66Z	VENNER , AL DOOR AVR755	1
22		CMD1A646	CMD1A646	BRACKET , MAGNET AVR755	2
23		CGR1A488B24	CGR1A488B24	DOOR , UNDER	1
24		CGX1A403Z	CGX1A403Z	PLATE , DOOR AVR755	1
25		CGU1A318	CGU1A318	ORNAMENT , VOLUME AVR255	1
26		CGK1A131C63	CGK1A131C63	KNOB , COVER AVR755	1
27		CMH1A214	CMH1A214	HOLDER , VOLUME	1
28		CGL1A222	CGL1A222	INDICATOR , VOLUME	1
29		CMD1A647	CMD1A647	BRACKET , SHAFT HINGE L AVR755	2
30		CMD1A648	CMD1A648	BRACKET , SHAFT HINGE R AVR755	2
31		CBT1A1067H61Z	CBT1A1067H61Z	BUTTON , 4 DIRECTION AVR755	1
32		CBT1A1069	CBT1A1069	RETAINER, OK BUTTON AVR755	1
33	JA3503	HJJ2E021Z	HJJ2E021Z	JACK , HEADPHONE	1
34	JA3507	CJJ9X005Z	CJJ9X005Z	JACK , USB(ANGLE, AU PLATE, YKF45-0041N)	1
35	JA3504	HJSTORX177L	HJSTORX177L	MODULE , OPTICAL(RX)	1
36	JA3505	CJJ4M061Z	CJJ4M061Z	JACK , RCA (1P, 107BAG, OR, AU PL)	1
37	JA3502	CJJ9M006Z	CJJ9M006Z	JACK , DIN (1P, S-VHS, 434A, AU PL)	1
38	JA3501	CJJ4S046Z	CJJ4S046Z	JACK , RCA (3P, 303, YL WH RD, AU)	1
39	JA3506	HJJ2E017Z	HJJ2E017Z	JACK	1
40		CMC1A332	CMC1A332	SHIELD , DIGITAL AVR755	1
41		CBT1A1068H61Z	CBT1A1068H61Z	BUTTON , OK AVR755	1
42		CMC1A334	CMC1A334	PLATE , SPRING GND(0.2T) AVR755	3
43		CMD1A649	CMD1A649	CHASSIS , FRONT AVR755	1
44		CMD1A650	CMD1A650	BRACKET , TRANS BOTTOM AVR755	1
45		CMD1A660	CMD1A660	BRACKET , HEAT SINK AVR755	5
46		CMD1A657	CMD1A657	BRACKET , POSISTOR AVR755	2
47		CMY1A292	CMY1A292	HEAT SINK , SURR AMP AVR755	1
48		CLT5W031ZU	CLT5W031ZU	TRANS , MAIN POWER AVR755 (UL, 120V 60Hz)	1
49		CMY3A239	CMY3A239	HEAT SINK	1
50		CDF1A022	CDF1A022	STAND OFF(HEX M4x87.4H) AVR755	1
51		CMY2A294	CMY2A294	HEAT SINK , DIODE AVR755	1
52	JA3000	CJJ8A007ZD	CJJ8A007ZD	JACK , AC INLET (2P, AC054S020A,10A, 250V)	1
53		CMD1A656	CMD1A656	BRACKET , AC INLET AVR755	2
54	JA3001	KJJ7A013Z	KJJ7A013Z	OUTLET , AC 1 PIN USA	1
55		CMD1A659	CMD1A659	BRACKET , VIDEO AVR755	1
56		CMY1A291	CMY1A291	HEAT SINK , MAIN AVR755	1
57		CMD1A645	CMD1A645	BRACKET , ETHER AVR755	1
58		CMD1A653	CMD1A653	BRACKET , FAN REAR AVR755	1

59	JA901	CJJ5R014Z	CJJ5R014Z	TERMINAL , SPEAKER (6P, GN/BN/TA, SCREW , AU)	1
60	JA2006	CJJ9H004Z	CJJ9H004Z	JACK , HDMI GOLD	1
60	JA2007	CJJ9H004Z	CJJ9H004Z	JACK , HDMI GOLD	1
60	JA2008	CJJ9H004Z	CJJ9H004Z	JACK , HDMI GOLD	1
60	JA2009	CJJ9H004Z	CJJ9H004Z	JACK , HDMI GOLD	1
60	JA2010	CJJ9H004Z	CJJ9H004Z	JACK , HDMI GOLD	1
61		CHG1A407	CHG1A407	RUBBER 20X15X9t	2
62	JA2000	CJJ2D008Z	CJJ2D008Z	JACK , STEREO	1
62	JA2001	CJJ2D008Z	CJJ2D008Z	JACK , STEREO	1
62	JA2002	CJJ2D008Z	CJJ2D008Z	JACK , STEREO	1
62	JA2003	CJJ2D008Z	CJJ2D008Z	JACK , STEREO	1
62	JA2004	CJJ2D008Z	CJJ2D008Z	JACK , STEREO	1
62	JA2005	CJJ2D008Z	CJJ2D008Z	JACK , STEREO	1
63		CMY2A223	CMY2A223	HEAT SINK	1
63		CMY2A223	CMY2A223	HEAT SINK	1
64		CMD1A658	CMD1A658	BRACKET , FRAME GUIDE AVR755	1
65		CFNCF12310XS	CFNCF12310XS	MOTOR , FAN (30 X 30 X 20mm 12V 5000RPM 300mm)	1
66	JA1503	CJJ4R036Y	CJJ4R036Y	JACK , RCA (6P, 610A, RD BL GN x 2, AU PL)	1
66	JA1504	CJJ4R036Y	CJJ4R036Y	JACK , RCA (6P, 610A, RD BL GN x 2, AU PL)	1
67	JA1500	CJJ9R002Z	CJJ9R002Z	JACK , RCA/DIN (3P, 304A, YLx3, S-VHSx3, AU PL)	1
68	JA1501	CJJ9P004Z	CJJ9P004Z	JACK , RCA/DIN (2P, 220A, YLx2, S-VHSx2, AU PL)	1
69	JA1502	CJJ4M063Z	CJJ4M063Z	JACK , RCA/DIN (1P, R102D04, YL, AU PL)	1
70	HK5000	CMC1A337	CMC1A337	BRACKET , GND SMALL AVR755	1
70	HK5001	CMC1A337	CMC1A337	BRACKET , GND SMALL AVR755	1
71	JA3251	CJJ9W001Z	CJJ9W001Z	JACK , 9P D-SUB FEMALE(RS-232C, SEMCO)	1
72	JA103	CJJ9L004Z	CJJ9L004Z	JACK , RJ-45	1
72	JA5000	CJJ9L004Z	CJJ9L004Z	JACK , RJ-45	1
73		CKF2A381Y	CKF4A381W	PANEL , REAR	1
74	JA4000	X	X	JACK , XM	1
75		CMD1A661	CMD1A661	BRACKET , XM AVBR755	1
76	JA4001	CJS9U011Z	CJS9U011Z	JACK, OPTICAL+COXIAL(GOLD PLATE)	1
77	JA4002	CJS9U016Z	CJS9U016Z	JACK , OPT + 1P RCA (RX 5V YKC22-0873V AU PLATE)	1
77	JA4003	CJS9U016Z	CJS9U016Z	JACK , OPT + 1P RCA (RX 5V YKC22-0873V AU PLATE)	1
77	JA4004	CJS9U016Z	CJS9U016Z	JACK , OPT + 1P RCA (RX 5V YKC22-0873V AU PLATE)	1
78	JA4005	CJJ4P063Z	CJJ4P063Z	JACK , RCA (4P, 401DAG, GN BN PP TA, AU PL)	1
78	JA102	CJJ4P063Z	CJJ4P063Z	JACK , RCA (4P, 401DAG, GN BN PP TA, AU PL)	1
79	JA4006	CJJ4P055Z	CJJ4P055Z	JACK 4P WH/BL/RD/GY	1
79	JA101	CJJ4P055Z	CJJ4P055Z	JACK 4P WH/BL/RD/GY	1
80		CMC1A339	CMC1A339	SHIELD , DIGITAL AVR755	2
81	JA3201	CJJ9L010Z	CJJ9L010Z	JACK , IPOD CONNECTOR	1
82	JA1004	x	x	JACK , RCA (1P, 115AG, PP, AU PL)	1
83	JA1003	CJJ4P019Y	CJJ4P019Y	JACK , BOARD	1
84	JA1001	CJJ4R020Z	CJJ4R020Z	JACK , BOARD	1
84	JA1002	CJJ4R020Z	CJJ4R020Z	JACK , BOARD	1
85		CNVMB114MW1-81	CNVMB114MW1-81	TUNER MODULE	1
86	JA104	CJJ5Q017Z	CJJ5Q017Z	TERMINAL , SPEAKER (8P, GY/BL/RD/WH, SCREW , AU)	1
87		CDF1A023	CDF1A023	STAND OFF(HEX M4X0.7 6X31.9H) AVR755	2
88		CMD1A651	CMD1A651	BRACKET , FRAME GUIDE AVR755	1
89		CDF1A021	CDF1A021	STAND OFF(HEX M4X61.5H) AVR755	3
90		CMY1A295	CMY1A295	HEAT SINK , REG. TR AVR755	1
91		CFNCF12925HS	CFNCF12925HS	MOTOR , FAN (92 X 92 X 25mm 12V 3500RPM 300mm)	1
92		CMD1A652	CMD1A652	BRACKET , FAN FRONT AVR755	1
93		CUA1A283	CUA1A283	CHASSIS , MAIN AVR755	1
94		CKL1A100	CKL1A100	FOOT , R AVR755	3
95		CHG1A373	CHG1A373	CUSHION , FOOT AVR350	4
96		CHG1A387	CHG1A387	SPONGE(30X30X10T) AVR755	3
97		CMD1A654	CMD1A654	COVER , BOTTOM AVR755	1
98		CKL1A101	CKL1A101	FOOT , L AVR755	1
99		CRE1A078	CRE1A078	Locker	14

FIP	DP3501	CFL18BT19GINK	CFL18BT19GINK	F.I.P , AVR755(18-BT-19GINK)	1
SW	S2000	HST1A020ZT	HST1A020ZT	SW , TACT	1

SW	S3501~15	HST1A020ZT	HST1A020ZT	SW , TACT	15
SW	S3515	HST1A020ZT	HST1A020ZT	SW , TACT	1
VR	VR3501	CSR2A046Z	CSR2A046Z	ENCODER , SW EC12E242803	1
N1		CNE1A011	CNE1A011	NUT , M4 HEXAGON CIRCULAR EX AVR755	4
N2		CNE1A012	CNE1A012	NUT , M3	3
SF-01		CMC1A358	CMC1A358	Shield Foam 10x50x1t	5
SF-02		CMC1A357	CMC1A357	Shield Foam 5x50x3t	1
SF-03		CHG1A444	CHG1A444	CUSHION DSP	2
SF-04		CHS1A032	CHS1A032	HEMELON TAPE	3
SF-05		CHG1A445	CHG1A445	CUSHION BOTTOM	4
SF-06		CPE1A010	CPE1A010	Oil Paper	1

SERVICE PROCEDURE

ALIGNMENT PROCEDURES

1.MAIN AMP idling Adjustment

SET CONDITION

1) SEMI VOLUME POSITION at MAIN/SURROUND AMP Board
MAIN:VR101,VR102,VR103,VR104
SURROUND:VR501,VR601,VR701

NO Signal/No Load
AC Line Voltage:120V/60Hz.230V/50Hz

2) After turning on the unit keep it over than 25min (keep the power/Driver TR as normal temperature)
3) Adjust the voltage value of primary&secondary of wafer to be 25mV by rotating the semi volume of each channel to the right

CHANNEL	ADJUSTMENT	MEASUREMENT	VOLTAGE
FRONT-L CH	VR104	P114	23+/-2mV
FRONT-R CH	VR101	P111	23+/-2mV
SURROUND-L CH	VR103	P113	23+/-2mV
SURROUND-R CH	VR102	P112	23+/-2mV

4) CAUTION
In case that power TR or DRIVER TR is needed to be replace for repairing the corresponding channel should be adjusted again

FRONT AMP:Q437.Q333.Q335.Q439.Q438.Q334.Q336.Q440
SURROUND AMP:Q618.Q619.Q518.Q519.Q718.Q719

2.SURROUND BACK AMP idling Adjustment

SET CONDITION

1) SEMI VOLUME POSITION at CENTER/SURROUND BACK AMP Board
CENTER:VR501
SURROUND BACK:VR601.VR701

NO Signal/No Load
AC Line Voltage:120V/60Hz.230V/50Hz

2) After turning on the unit keep it over than 25min (keep the power/Driver TR as normal temperature)
3) Adjust the voltage value of primary&secondary of wafer to be 25mV by rotating the semi volume of each channel to the right

CHANNEL	ADJUSTMENT	MEASUREMENT	VOLTAGE
CENTER	VR501	P501	23+/-2mV
SURR BACK-L CH	VR601	P601	23+/-2mV
SURR BACK-R CH	VR701	P701	23+/-2mV

4) CAUTION
In case that power TR or DVIER TR is needed to be replace for repairing the corresponding channel should be adjusted again

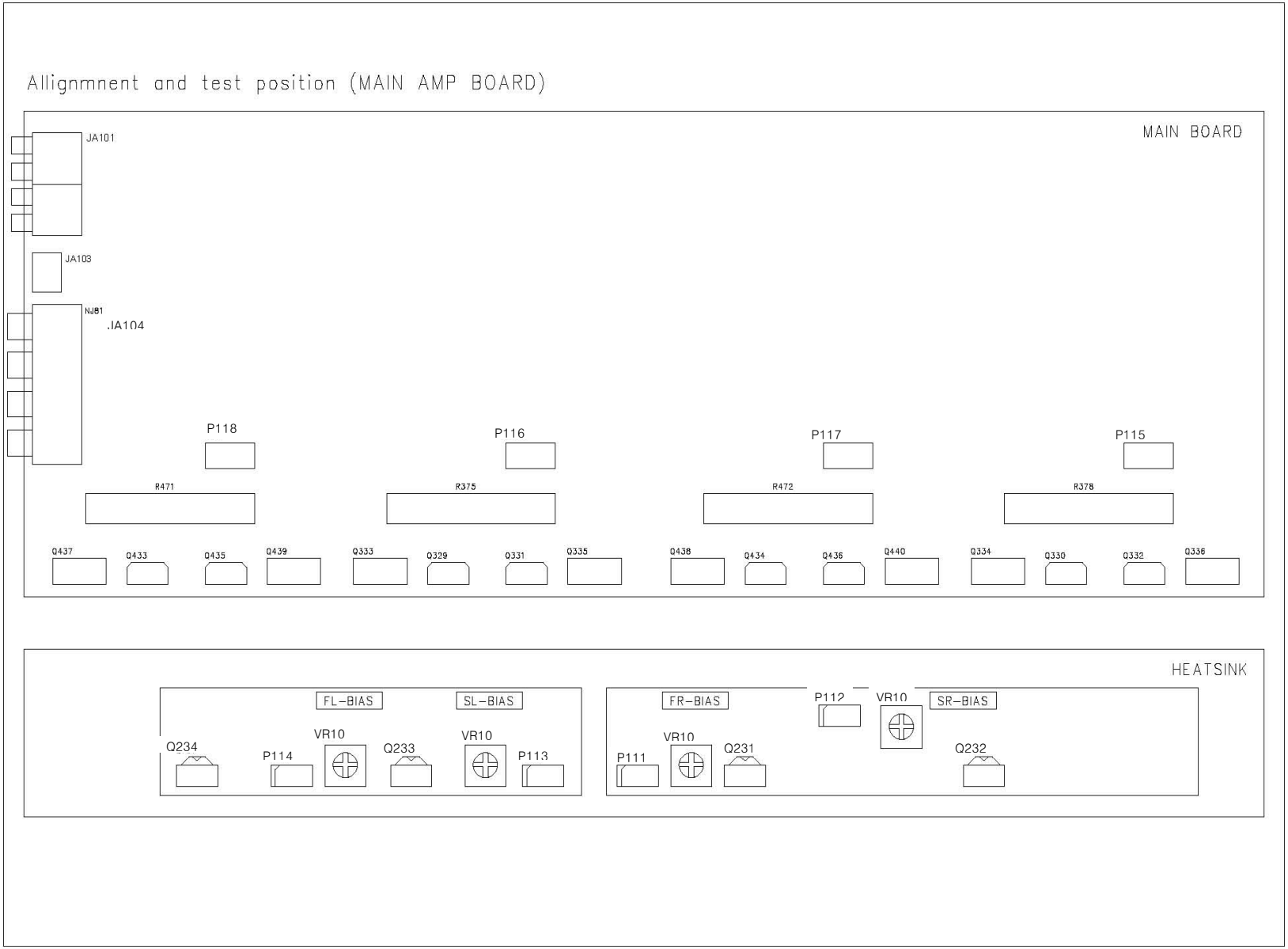
CENTER AMP:Q519,Q517.Q516,Q518
SUR BACK AMP:Q618.Q617.Q618.Q619.Q716.Q717.Q718.Q719

3.Cautions for main adjustment

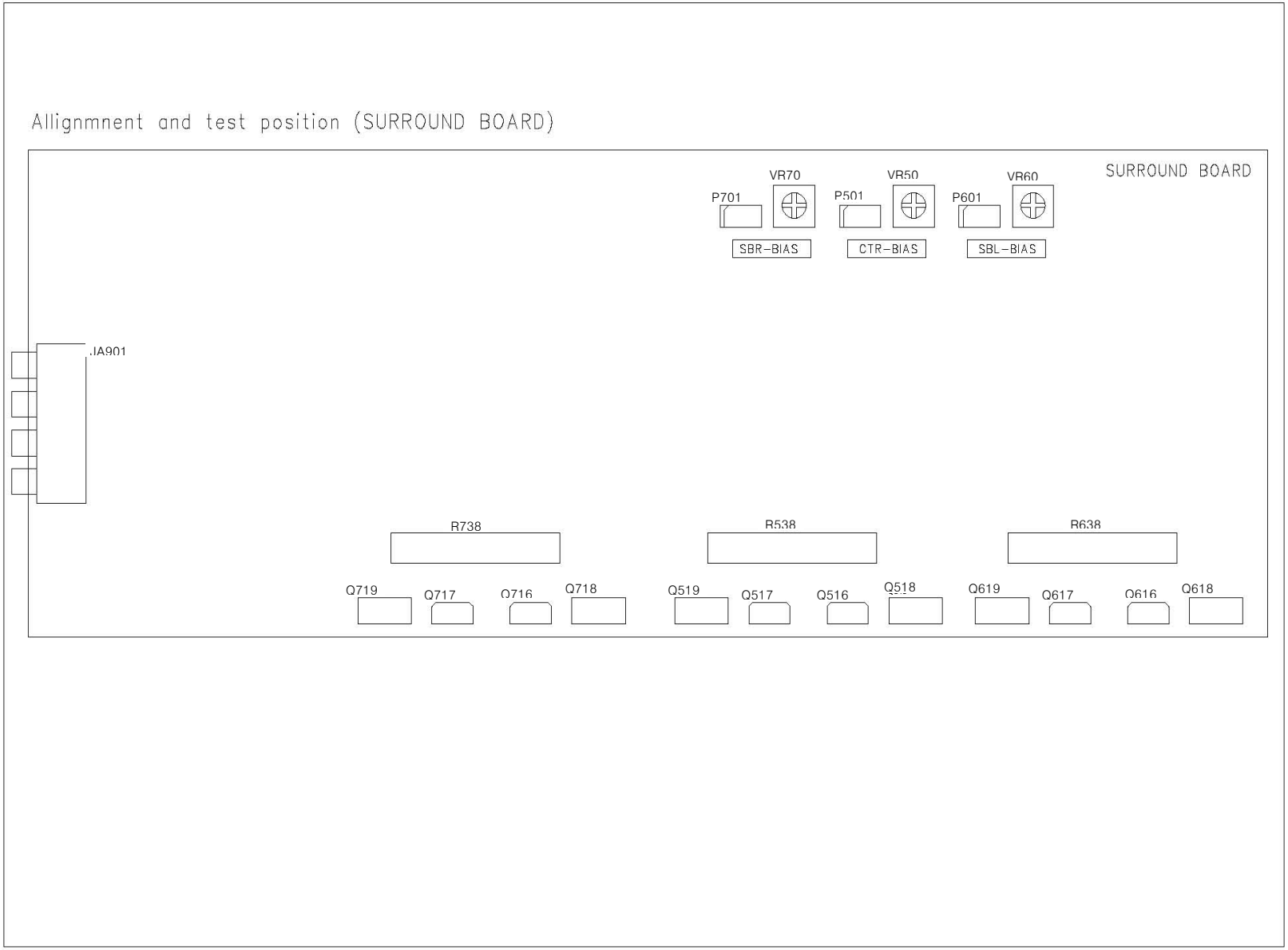
1) At MAIN/SUPPLY BOARD.use the below capacitor after discharging for sufficent time for preventing possible damage from electrical spark

MAIN BOARD	C151.C152	AVR7550HD 15000/63V
SUPPLY BOARD	C3101,C3102	AVR7550HD 10000/63V

2)The checking for MAIN/SUPPLY BOARD should have the discharging circuit discharge over 30sec.through(4R7Ohm 10W)resistor after push power sw off


Allignmnent and test position (MAIN AMP BOARD)
MAIN BOARD
JA101
JA103
NJ81
JA104
P118
P116
P117
P115
R471
R375
R472
R378
Q437
Q433
Q435
Q439
Q333
Q329
Q331
Q335
Q438
Q434
Q436
Q440
Q334
Q330
Q332
Q336
HEATSINK
FL-BIAS
SL-BIAS
FR-BIAS
SR-BIAS
VR10
VR10
VR10
P112
Q234
P114
Q233
P113
P111
Q231
Q232

Allignmnent and test position (SURROUND BOARD)



AVR 660 PARTS LIST

Ref. #	Part Number	Description	Value	Qty
	CGWAVR660	**FRONT PANEL ASS'Y**		**1**
	CBC1A162H61Z	BUTTON , POWER AVR755		1
	CBT1A1066H61	BUTTON , 9KEY AVR755		1
	CBT1A1067H61Z	BUTTON , 4 DIRECTION AVR755		1
	CBT1A1068H61Z	BUTTON , OK AVR755		1
	CBT1A1069	RETAINER, OK BUTTON AVR755		1
	CBT1A1070B24	BUTTON , STANDBY AVR755		1
	CDF1A020	SHAFT , DOOR AVR755		4
	CDG1A026	GEAR , DAMPER(DP120)		1
	CGB1A158Y	BADGE , FRONT HARMAN/KARDON		1
	CGB1A203Z	BADGE , AVR655		1
	CGL1A270	INDICATOR , STANDBY		1
	CGR1A488B24	DOOR , UNDER		1
	CGU1A416A25Z	WINDOW , FIP AVR755		1
	CGW1A448R4YB24	PANEL , FRONT AVR755/240		1
	CGX1A403Z	PLATE , DOOR AVR755		1
	CGX1A404C66Z	VENNER , AL DOOR		1
	CGX1A405C66Z	VENNER , AL FRONT		1
	CHG1A385	RUBBER , DOOR AVR755		2
	CJC1A009	MAGNET , AVR755(10X10X4t)		2
	CMC1A334	PLATE , SPRING GND(0.2T) AVR755		4
	CMD1A646	BRACKET , MAGNET AVR755		2
	CMD1A647	BRACKET , SHAFT HINGE L AVR755		2
	CMD1A648	BRACKET , SHAFT HINGE R AVR755		2
	CMH1A284	HOLDER , MAGNET AVR755		2
	CMZ1A129Z	FILTER , VFD AVR755		1
	CPE1A010	OIL PAPER		1
	CTB3+8JFZR	SCREW		1
	CTW3+8JFZR	SCREW		34
	CWC4C4A21B250BBK	CABLE , CARD (21PIN, 250MM, 1.25MM, BLACK)		1
	K4FM073	TAPE , BOTH SIDE	3M #4920	.17
	CWB4FZ32600UK	3P(2wire) WIRE ASS'Y(600MM, 3.96MM)		1
	C4B120062	TUBE , UL		0.1
SW3550	CSH1A001ZV	SWITCH		1
Ref. #	**Part Number**	**Description**	**Value**	**Qty**
	CUAAVR660	**BOTTOM CHASSIS ASS'Y**		**1**
	CDF1A021	STAND OFF(HEX M4X61.5H) AVR755		3
	CDF1A022	STAND OFF(HEX M4x87.4H) AVR755		1
	CDF1A023	STAND OFF(HEX M4X0.7 6X31.9H) AVR755		2
	CFNCF12310NXS	MOTOR , FAN(30X30X10MM,12V 5000RPM 100MM)	CF-12310N	1
	CFNCF12925HS	MOTOR , FAN(92X92X25MM,12V 2500RPM 300MM)	CF-12925HS35SB , COLORFUL	1
	CHD1A023R	SCREW , SPECIAL		4
	CHD1A036R	SCREW , SPECIAL		4
	CHD1A065R	SCREW , FLAT(2.6X4)		2
	CHE36-3	CLAMPER , WIRE		1
	CHG1A373	CUSHION , FOOT AVR350		4
	CHG1A387	SPONGE(30X30X10T) AVR755		2
	CHG1A392	CUSHION , PEF		1
	CHG1A407	RUBBER , CUSHION AVR755		2
	CHG1A444	CUSHION , DISP		2
	CHG1A445	CUSHION , BOTTOM		4
	CHR301	CLAMPER		32
	CKF4A381W	PANEL , REAR AVR655/240		1
	CKL1A100	FOOT , R AVR755		3
	CKL1A101	FOOT , L AVR755		1
	CLT5W031ZE	TRANS , MAIN POWER AVR755 EUR(240V/50HZ)	111X90 , SEO KYUNG	1
	CLZ9Z070Z	FERRITE , CORE		1
	CMC1A339	SHIELD , DIGITAL AVR755		2
	CMC1A357	SHIELD , FORM AVR7550HD		1
	CMC1A358	SHIELD , FORM AVR7550HD		5
	CMD1A645	BRACKET , ETHER AVR755		1
	CMD1A649	CHASSIS , FRONT AVR755		1
	CMD1A650	BRACKET , TRANS BOTTOM AVR755		1
	CMD1A651	BRACKET , FRAME GUIDE AVR755		1
	CMD1A652Z	BRACKET , FAN FRONT AVR755		1
	CMD1A653Z	BRACKET , FAN REAR		1
	CMD1A654	COVER , BOTTOM AVR755		1
	CMD1A656	BRACKET , AC INLET AVR755		2
	CMD1A658	BRACKET , FRAME GUIDE AVR755		1
	CNE1A011	NUT , M4 HEXAGON CIRCULAR EX AVR755		4
	CNVMB114MW1-81	TUNER MODULE (KST-MB114MW1-81 AM/FM EUR 50US)	KST-MB011MW0-81 , KWANGSUNG	1
	CMD1A659	BRACKET , VIDEO AVR755		1
	CTB3.5+8JR	SCREW		4
	CTB3+10JFZR	SCREW		42
	CTB3+6FFZR	SCREW		11
	CTB3+6JFZR	SCREW		7
	CTB3+8JFZR	SCREW		10
	CTB3+8JFZR	SCREW		14
	CTB4+6FFZR	SCREW		12
	CTS3+8JFZR	SCREW		8
	CTW3+6JR	SCREW		5
	CTW3+8JFZR	SCREW		22
	CUA1A283	CHASSIS , MAIN AVR755		1
	CWB1B004150GG	4P WIRE ASS'Y(150MM, 2.0MM)		1

Ref. #	Part Number	Description	Value	Qty
	CUAAVR660	**BOTTOM CHASSIS ASS'Y**		**1**
	CWB1B009200GG	9P WIRE ASS'Y(200MM, 2.0MM)		1
	CWB4FZ32600UKA	MOMS POWER SW WIRE ASS'Y		1
	CWC4C4A11B060A08BK	CABLE , CARD		1
	CWC4C4A11B080ABK	CABLE , CARD (11PIN, 80MM, 1.25MM, BLACK)		1
	CWC4C4A17B080ABK	CABLE , CARD (17PIN, 80MM, 1.25MM, BLACK)		1
	CWC4C4A29B180ABK	CABLE , CARD (29PIN, 180MM, 1.25MM, BLACK)		1
	C8AGB288	BOND (MAX)		1
F3001	KBA2C6300TLEY	FUSE		1
F3101	KBA2C2000TLEY	FUSE	EUR (2A/250V)	1
N3204	CWBAVR755N3204	5P WIRE ASS'Y(250MM, 2.0MM)		1
Ref. #	**Part Number**	**Description**	**Value**	**Qty**
	COP12040B	**AVR755 FRONT PCB ASS'Y**		**1**
	CHG1A394	RUBBER , SENSOR AVR755		1
C3501	CCUC1H101JA	CAP , CHIP	100pF 50V CH J NP0 0805	1
C3502	CCUC1H100JA	CAP , CHIP (10PF/50V D CH 2012)	10pF 50V CH D N 0805	1
C3503	CCUC1H122KC	CAP , CHIP (1200PF/50V SL J X7R 2012)	1n2F 50V SL J X7R 0805	1
C3504	CCUC1H100JA	CAP , CHIP (10PF/50V D CH 2012)	10pF 50V CH D N 0805	1
C3505	CCUC1H122KC	CAP , CHIP (1200PF/50V SL J X7R 2012)	1n2F 50V SL J X7R 0805	1
C3507	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C3508	CCUC1H100JA	CAP , CHIP (10PF/50V D CH 2012)	10pF 50V CH D N 0805	1
C3513	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C3514	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C3515	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C3517	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C3518	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C3519	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C3520	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C3521	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C3523	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C3524	CCUC1H821JA	CAP , CHIP (820PF/50V SL J NP0 2012)	820pF 50V SL J NP0 0805	1
C3525	CCUC1H821JA	CAP , CHIP (820PF/50V SL J NP0 2012)	820pF 50V SL J NP0 0805	1
C3526	CCUS1H223KC	CAP , CHIP	0.022UF 50V K	1
C3537	CCUS1H223KC	CAP , CHIP	0.022UF 50V K	1
C3538	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C3539	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C3540	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C3541	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C3542	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C3550	CCUS1H221JA	CAP , CHIP	220PF 50V J	1
C3551	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C3552	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C3554	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C3557	CCUC2A103KC	CAP , CHIP(2012 SIZE)	0.01UF 50V K	1
C3558	CCUS1H220JA	CAP , CHIP	22PF 50V J	1
C3559	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C3560	CCUS1H222KC	CAP , CHIP	2200PF 50V K	1
C3561	CCUS1H222KC	CAP , CHIP	2200PF 50V K	1
C3562	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C3565	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
D3501	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
D3502	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
D3511	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
D3512	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
D3513	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D3514	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D3515	HVDUDZS5.1BSR	DIODE , ZENER (CHIP,5.1V)	UDZS 5.1B 5.1V 200mW UMD2	1
D3518	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
D3519	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
IC3501	HVINJM2068MDTE1	I.C , OP AMP	NJM2068MD-TE1	1
IC3502	HVI74HCU04AFNG	I.C , INVERTER	TC74HCU04AFNG(TOSHIBA)	1
L3502	CLZ9R011Z	BEAD , FERRITE (FCM2012HF-252T04 , 2.5 KOHM)	FCM2012HF-252T02 2500ohm SURFACE MT 2012	1
L3503	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)	FCM2012CF-301T04 0805	1
Q3501	HVTKTC3875SYRTK	T.R , CHIP	KTC3875S Y RTK	1
Q3502	HVTKTC3875SYRTK	T.R , CHIP	KTC3875S Y RTK	1
Q3503	HVTKTA1504SYRTK	T.R , CHIP	KTA1504S Y RTK	1
Q3504	HVTKRA107S	TR, CHIP	KRA107S SOT-23	1
Q3505	HVTKRC107S	T.R , CHIP	KRC107S SOT-23	1
Q3507	HVTKRC107S	T.R , CHIP	KRC107S SOT-23	1
Q3508	HVTKRC107S	T.R , CHIP	KRC107S SOT-23	1
Q3509	HVTKRC107S	T.R , CHIP	KRC107S SOT-23	1
R3500	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R3501	CRJ10DJ683T	RES , CHIP	68K ohm 1/16W 5% 0603	1
R3502	CRJ10DJ564T	RES , CHIP	560K ohm 1/10W 5% 0805	1
R3503	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R3504	CRJ10DJ272T	RES , CHIP	2K7 ohm 1/16W 5% 0603	1
R3505	CRJ10DJ105T	RES , CHIP	1M ohm 1/16W 5% 0603	1
R3506	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R3507	CRJ10DJ105T	RES , CHIP	1M ohm 1/16W 5% 0603	1
R3511	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R3516	CRJ10DJ683T	RES , CHIP	68K ohm 1/16W 5% 0603	1
R3517	CRJ10DJ683T	RES , CHIP	68K ohm 1/16W 5% 0603	1
R3518	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1

Ref. #	Part Number	Description	Value	Qty
	COP12040B	**AVR755 FRONT PCB ASS'Y**		**1**
R3519	CRJ10DJ563T	RES , CHIP	56K ohm 1/16W 5% 0603	1
R3522	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R3525	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R3526	CRJ10DJ122T	RES , CHIP	1K2 ohm 1/16W 5% 0603	1
R3527	CRJ10DJ152T	RES , CHIP	1K5 ohm 1/16W 5% 0603	1
R3528	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R3529	CRJ10DJ272T	RES , CHIP	2K7 ohm 1/16W 5% 0603	1
R3530	CRJ10DJ332T	RES , CHIP	3K3 ohm 1/16W 5% 0603	1
R3531	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R3532	CRJ10DJ122T	RES , CHIP	1K2 ohm 1/16W 5% 0603	1
R3533	CRJ10DJ152T	RES , CHIP	1K5 ohm 1/16W 5% 0603	1
R3534	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R3535	CRJ10DJ272T	RES , CHIP	2K7 ohm 1/16W 5% 0603	1
R3536	CRJ10DJ332T	RES , CHIP	3K3 ohm 1/16W 5% 0603	1
R3537	CRJ10DJ562T	RES , CHIP	5K6 ohm 1/16W 5% 0603	1
R3538	CRJ10DJ753T	RES , CHIP	75K ohm 1/16W 5% 0603	1
R3539	CRJ10DJ753T	RES , CHIP	75K ohm 1/16W 5% 0603	1
R3542	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R3544	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R3546	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R3547	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R3548	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R3550	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R3551	CRJ10DJ332T	RES , CHIP	3K3 ohm 1/16W 5% 0603	1
R3552	CRJ10DJ911T	RES , CHIP	910 ohm 1/16W 5% 0603	1
R3553	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R3554	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R3555	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R3556	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R3557	CRJ10DJ152T	RES , CHIP	1K5 ohm 1/16W 5% 0603	1
R3558	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R3559	CRJ10DJ750T	RES , CHIP	75 ohm 1/16W 5% 0603	1
R3562	CRJ10DJ153T	RES , CHIP	15K ohm 1/16W 5% 0603	1
C3506	CCEA1CKS470T25	CAP , ELECT (47uF/16V M 6.3X5mm P2.5mm)	47uF 16V +20% D5x7 P2.5MM 2000hours 85C	1
C3509	CCME2A473JXT	CAP , METALLIZED FILM	47NF 100V 20% CPM	1
C3510	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C3511	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C3512	CCEA1CKS470T25	CAP , ELECT (47uF/16V M 6.3X5mm P2.5mm)	47uF 16V +20% D5x7 P2.5MM 2000hours 85C	1
C3516	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C3522	CCME2A473JXT	CAP , METALLIZED FILM	47NF 100V 20% CPM	1
C3544	CCEA1AH221T	CAP , ELECT	220uF 10V +20% D6.3xL11 P5MM 85C	1
C3545	CCEA1CKS470T25	CAP , ELECT (47uF/16V M 6.3X5mm P2.5mm)	47uF 16V +20% D5x7 P2.5MM 2000hours 85C	1
C3546	CCEA1CKS470T25	CAP , ELECT (47uF/16V M 6.3X5mm P2.5mm)	47uF 16V +20% D5x7 P2.5MM 2000hours 85C	1
C3547	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)	10UF +20% 16V D4XL7 P2.5MM 2000hours	1
C3549	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)	10UF +20% 16V D4XL7 P2.5MM 2000hours	1
C3556	CCEA1CKS470T25	CAP , ELECT (47uF/16V M 6.3X5mm P2.5mm)	47uF 16V +20% D5x7 P2.5MM 2000hours 85C	1
C3566	CCEA1CKS470T25	CAP , ELECT (47uF/16V M 6.3X5mm P2.5mm)	47uF 16V +20% D5x7 P2.5MM 2000hours 85C	1
C3567	CCEA1AH221T	CAP , ELECT	220UF 10V	1
D3503	HVD1N4007T	DIODE	1N4007 1000V 1A DO-41	1
D3504	HVD1N4148T	DIODE	1N4148	1
L3501	HLQ02C4R7KT	INDUCTOR 4.7UH	AL02TB4R7K 4.7uH 1.7ohm +10%	1
L3504	HLQ02C470KT	COIL , AXAIL	AL02TB470K 47uH 5.8ohm +10%	1
Q3506	CVTMPSA06ATPF	T.R , DRIVER(NPN,120V, 500mA TO-92)	MPSA06-AT/PF , KEC	1
R3508	CRD20TJ100T	RES , CARBON	10 OHM 1/5W J	1
R3509	CRD20TJ473T	RES , CARBON	47K OHM 1/5W J	1
R3510	CRD20TJ100T	RES , CARBON	10 OHM 1/5W J	1
R3512	CRD20TJ471T	RES , CARBON	470 OHM 1/5W J	1
R3513	CRD20TJ471T	RES , CARBON	470 OHM 1/5W J	1
R3514	CRD20TJ101T	RES , CARBON	100 OHM 1/5W J	1
R3515	CRD20TJ101T	RES , CARBON	100 OHM 1/5W J	1
R3520	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R3521	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R3523	CRD20TJ681T	RES , CARBON	680 OHM 1/5W J	1
R3524	CRD20TJ122T	RES , CARBON	1.2K OHM 1/5W J	1
R3540	CRD20TJ101T	RES , CARBON	100 OHM 1/5W J	1
R3541	CRD20TJ101T	RES , CARBON	100 OHM 1/5W J	1
R3543	CRD20TJ182T	RES , CARBON	1.8K OHM 1/5W J	1
R3545	CRD20TJ101T	RES , CARBON	100 OHM 1/5W J	1
R3560	CRD20TJ2R2T	RES , CARBON	2.2 OHM 1/5W J	1
R3561	CRD20TJ2R2T	RES , CARBON	2.2 OHM 1/5W J	1
S3501	CST1A024ZT	SW , TACT		1
S3502	CST1A024ZT	SW , TACT		1
S3503	CST1A024ZT	SW , TACT		1
S3504	CST1A024ZT	SW , TACT		1
S3505	CST1A024ZT	SW , TACT		1
S3506	CST1A024ZT	SW , TACT		1
S3507	CST1A024ZT	SW , TACT		1
S3508	CST1A024ZT	SW , TACT		1
S3509	CST1A024ZT	SW , TACT		1
S3510	CST1A024ZT	SW , TACT		1
S3511	CST1A024ZT	SW , TACT		1
S3512	CST1A024ZT	SW , TACT		1
S3513	CST1A024ZT	SW , TACT		1
S3514	CST1A024ZT	SW , TACT		1
S3515	CST1A024ZT	SW , TACT		1

Ref. #	Part Number	Description	Value	Qty
	COP12040B	**AVR755 FRONT PCB ASS'Y**		**1**
	CMC1A332	SHIELD , DIGITAL AVR755		1
	CMC1A335	SHIELD , IR AVR755		1
	CMH1A285	HOLDER , VFD AVR755		1
DP3501	CFL18BT19GINK	F.I.P , AVR755(18-BT-19GINK)	18BT019GINK	1
D3505	CVD1L0345W31BOCT201V	L.E.D , WHITE	CVD1L0345W31BOCT201	1
D3506	CVD1L0345W31BOCT201V	L.E.D , WHITE	CVD1L0345W31BOCT201	1
D3507	CVD1L0345W31BOCT201V	L.E.D , WHITE	CVD1L0345W31BOCT201	1
D3508	CVD1L0345W31BOCT201V	L.E.D , WHITE	CVD1L0345W31BOCT201	1
D3509	CVD1L0345W31BOCT201W	L.E.D , WHITE	CVD1L0345W31BOCT201	1
D3510	CVD1L034FA22M0MA	L.E.D , AMBER DIFFUSED	1L034FA22M0MA001	1
JA3501	CJJ4S046Z	JACK , RCA (3P, 303, YL WH RD, AU)	RCA-303G-06	1
JA3502	CJJ9M006Z	JACK , DIN (1P, S-VHS, 434A, AU PL)	DIN-434AG	1
JA3503	HJJ2E021Z	JACK , HEADPHONE	HTJ-035-13B	1
JA3504	HJSTORX177L	MODULE , OPTICAL(RX)	TORX177L	1
JA3505	CJJ4M061Z	JACK , RCA (1P, 107BAG, OR, AU PL)	RCA-107BAG-02 ORANGE	1
JA3506	HJJ2E017Z	JACK	HTJ064-05BG	1
JA3507	CJJ9X007Z	JACK , USB (GOLD)	317AE04XXA100X	1
N3501	CWB1B011400GN	11P WIRE ASS'Y(400MM, 2.0MM)	UL1007#26(TA) 400mm 2mm 11P RED	1
N3502	CWB1C004080GN	4P WIRE ASS'Y(80MM, 2.0MM)	UL1007#26(TA) 80mm 2mm 4P RED	1
N3503	CJP21GB116ZY	WAFER	GF120-21S-LS 1.25mm 21P	1
N3504	CWB1B007200GN	7P WIRE ASS'Y(200MM, 2.0MM)	UL1007#26(TA) 200mm 2mm 7P RED	1
N3505	CWB1C005150GN	5P WIRE ASS'Y(150MM, 2.0MM)	UL1007#26(TA) 150mm 2mm 5P RED	1
N3506	CWB1B003080GN	3P WIRE ASS'Y(80MM, 2.0MM)	UL1007#26(TA) 80mm 2mm 3P RED	1
N3507	CWBAVR755N3507	5P WIRE ASS'Y (550MM,2.0MM)	UL2547/1533#26(TA) 550mm 2mm 5P RED	1
N3509	CWBAVR755N3509	5P WIRE ASS'Y(700MM, 2.0MM)	UL1007/1533#24(TA) 700mm 2mm 5P RED	1
N3510	CWBAVR755N3510	4P WIRE ASS'Y(250MM, 2.0MM)	UL2547/1007#26(TA) 250mm 2mm 4P RED	1
N3511	CWBAVR755N3511	5P WIRE ASS'Y (350MM,2.0MM)	UL2725+ABE USB2.0 350mm 2mm 5P RED	1
N3516	CWB1B003080GN	3P WIRE ASS'Y(80MM, 2.0MM)	UL1007#26(TA) 80mm 2mm 3P RED	1
N3521	CJP10GB99ZY	WAFER	35237-1010 2.0mm 10P WHT	1
N3522	CJP19GB99ZM	WAFER(19P, AN 2MM)	35237-1910 2.0mm 19P WHT	1
N3523	CJP19GB99ZM	WAFER(19P, AN 2MM)	35237-1910 2.0mm 19P WHT	1
N3524	CJP16GB99ZM	WAFER(16P, AN 2MM)	35237-1610 2.0mm 16P WHT	1
N3525	CJP10GB99ZY	WAFER	35237-1010 2.0mm 10P WHT	1
N3526	CJP19GB99ZM	WAFER(19P, AN 2MM)	35237-1910 2.0mm 19P WHT	1
N3527	CJP07GB99ZY	HOUSING	35237-0710 2.0mm 7P WHT	1
N3528	CJP10GB99ZY	WAFER	35237-1010 2.0mm 10P WHT	1
P3508	CJP06GA47ZW	WAFER,2mm	GIL-S-6P-S2T2-EF 6P	1
P3512	CJP04GB48ZW	WAFER(4P, AN 2MM)	GIL-S-04P-S2L2-EF 4P	1
P3513	CJP05GA47ZW	WAFER,2mm	GIL-S-5P-S2T2-EF 5P	1
P3515	CJP03GB48ZW	WAFER (3PIN, AN, 2MM, JWT)	GIL-S-03P-S2L2-EF 3P	1
P3517	CJP03GB48ZW	WAFER (3PIN, AN, 2MM, JWT)	GIL-S-03P-S2L2-EF 3P	1
P3531	CJP10GA98ZY	WAFER	35336-1010 2.0mm 10P WHT	1
P3532	CJP19GA98ZM	WAFER(19P, ST 2MM)	35336-1910 2.0mm 19P WHT	1
P3533	CJP19GA98ZM	WAFER(19P, ST 2MM)	35336-1910 2.0mm 19P WHT	1
P3534	CJP16GA98ZM	WAFER(16P, ST 2MM)	35336-1610 2.0mm 16P WHT	1
P3535	CJP10GA98ZY	WAFER	35336-1010 2.0mm 10P WHT	1
P3536	CJP19GA98ZM	WAFER(19P, ST 2MM)	35336-1910 2.0mm 19P WHT	1
P3537	CJP07GA98ZY	WAFER	35336-0710 2.0mm 7P WHT	1
P3538	CJP10GA98ZY	WAFER	35336-1010 2.0mm 10P WHT	1
P3540	CJP10GA98ZY	WAFER	35336-1010 2.0mm 10P WHT	1
RM3501	CRVKSM603TE2E	SENSOR , REMOCON	KSM-603TE2E	1
RM3502	CRVLP-200TL	DIODE , PIN PHOTO DIODE LP-200TL	LP-200TL	1
VR3501	CSR2A046Z	ENCODER , SW EC12E242803	EC121102F2B-HA1-004	1

Ref. #	Part Number	Description	Value	Qty
	CMYAVR655/240M	**MAIN HEAT SINK ASS'Y**		
	CMYAVR755MA	MAIN SUB HEAT SINK ASS'Y		1
	CHD1A012R	SCREW , SPECIAL		19
	CMX1A262	MICA , TR WITH CHINA		8
	CMY1A291	HEAT SINK , MAIN AVR755		1
	K8AYG6260	COMPOUND , SILICONE		3
IC230	CVIKIA578R033PI	I.C , REGULATOR 5A (TO-220IS-4)	KIA578R033PI	1
IC231	HVIKIA7805API	REGULATOR, +5V	7805API (KEC)	1
IC232	HVIKIA278R06PI	REGULATOR (6V OUTPUT LOW DROP)	KIA278R06	1
Q329	HVT2SA1859A	T.R , DRIVER		1
Q330	HVT2SA1859A	T.R , DRIVER		1
Q331	HVT2SC4883A	T.R , DRIVER		1
Q332	HVT2SC4883A	T.R , DRIVER		1
Q333	CVT2SC5358R	T.R , POWER(NPN 230V,15A, HFE:55~110, 80W)	2SC535R-R , TOSHIBA	1
Q334	CVT2SC5358R	T.R , POWER(NPN 230V,15A, HFE:55~110, 80W)	2SC535R-R , TOSHIBA	1
Q335	CVT2SA1986R	T.R , POWER(PNP 230V,15A, HFE:55~110, 80W)	2SC1986-R , TOSHIBA	1
Q336	CVT2SA1986R	T.R , POWER(PNP 230V,15A, HFE:55~110, 80W)	2SC1986-R , TOSHIBA	1
Q433	HVT2SA1859A	T.R , DRIVER		1
Q434	HVT2SA1859A	T.R , DRIVER		1
Q435	HVT2SC4883A	T.R , DRIVER		1
Q436	HVT2SC4883A	T.R , DRIVER		1
Q437	CVT2SC5358R	T.R , POWER(NPN 230V,15A, HFE:55~110, 80W)	2SC535R-R , TOSHIBA	1
Q438	CVT2SC5358R	T.R , POWER(NPN 230V,15A, HFE:55~110, 80W)	2SC535R-R , TOSHIBA	1
Q439	CVT2SA1986R	T.R , POWER(PNP 230V,15A, HFE:55~110, 80W)	2SC1986-R , TOSHIBA	1
Q440	CVT2SA1986R	T.R , POWER(PNP 230V,15A, HFE:55~110, 80W)	2SC1986-R , TOSHIBA	1

Ref. #	Part Number	Description	Value	Qty
	COP12037E	**AVR650EU MAIN PCB ASS'Y**		
	CHD1A012R	SCREW , SPECIAL		7
	CHD5A012JR	SCREW		1

Ref. #	Part Number	Description	Value	Qty
	COP12037E	**AVR650EU MAIN PCB ASS'Y**		
C101	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C102	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C103	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C104	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C105	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C107	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C108	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C109	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C110	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C111	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C112	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C113	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C114	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C115	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C116	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C117	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C118	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C119	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C120	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C131	CCEA1VH101T	CAP , ELECT	100UF 35V	1
C132	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C133	CCEA1VH101T	CAP , ELECT	100UF 35V	1
C134	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C135	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C136	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C137	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C138	CCEA1VH101T	CAP , ELECT	100UF 35V	1
C139	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C140	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C141	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C156	HCQI1H473JZT	CAP , MYLAR	0.047UF 50V J	1
C157	HCQI1H473JZT	CAP , MYLAR	0.047UF 50V J	1
C158	HCQI1H473JZT	CAP , MYLAR	0.047UF 50V J	1
C159	HCQI1H473JZT	CAP , MYLAR	0.047UF 50V J	1
C160	HCQI1H473JZT	CAP , MYLAR	0.047UF 50V J	1
C161	HCQI1H473JZT	CAP , MYLAR	0.047UF 50V J	1
C181	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C203	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C205	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C206	CCEA1VH101T	CAP , ELECT	100UF 35V	1
C207	CCEA1HH4R7T	CAP , ELECT	4.7UF 50V	1
C210	CCEA1HH1R0T	CAP , ELECT	1UF 50V	1
C211	CCEA2AH100TS	CAP , ELECT(KRM, 100V/10UF, 6.3x11)	KRM, 100V/10UF, 6.3X11	1
C212	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C214	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C225	CCFT1H104ZF	CAP , SEMICONDUCTOR	0.1UF 50V Z	1
C226	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C227	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C228	CCEA1VH101T	CAP , ELECT	100UF 35V	1
C229	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C230	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C231	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C301	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C302	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C307	CCBS1H271KBT	CAP , CERAMIC(270PF/50V)	CH UP025 B271K-A-B Z	1
C308	CCBS1H271KBT	CAP , CERAMIC(270PF/50V)	CH UP025 B271K-A-B Z	1
C309	CCEA1VH101T	CAP , ELECT	100UF 35V	1
C310	CCEA1VH101T	CAP , ELECT	100UF 35V	1
C313	CCBS1H271KBT	CAP , CERAMIC(270PF/50V)	CH UP025 B271K-A-B Z	1
C314	CCBS1H271KBT	CAP , CERAMIC(270PF/50V)	CH UP025 B271K-A-B Z	1
C315	CCCT1H030CC	CAP , CERAMIC	3PF 50V C	1
C316	CCCT1H030CC	CAP , CERAMIC	3PF 50V C	1
C317	CCKT1H181KB	CAP , CERAMIC	180PF 50V K	1
C318	CCKT1H181KB	CAP , CERAMIC	180PF 50V K	1
C319	CCEA2AH100TS	CAP , ELECT(KRM, 100V/10UF, 6.3x11)	KRM, 100V/10UF, 6.3X11	1
C320	CCEA2AH100TS	CAP , ELECT(KRM, 100V/10UF, 6.3x11)	KRM, 100V/10UF, 6.3X11	1
C321	CCEA2AH100TS	CAP , ELECT(KRM, 100V/10UF, 6.3x11)	KRM, 100V/10UF, 6.3X11	1
C322	CCEA2AH100TS	CAP , ELECT(KRM, 100V/10UF, 6.3x11)	KRM, 100V/10UF, 6.3X11	1
C323	CCME2A683JXT	CAP , METALIZED FILM (0.068UF/100V J)		1
C324	CCME2A683JXT	CAP , METALIZED FILM (0.068UF/100V J)		1
C325	HCQI1H104JZT	CAP , MYLAR	0.1UF 50V J	1
C326	HCQI1H104JZT	CAP , MYLAR	0.1UF 50V J	1
C327	HCQI1H104JZT	CAP , MYLAR	0.1UF 50V J	1
C328	HCQI1H104JZT	CAP , MYLAR	0.1UF 50V J	1
C329	CCKT1H222KB	CAP , CERAMIC	2200PF 50V K	1
C330	CCKT1H222KB	CAP , CERAMIC	2200PF 50V K	1
C331	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C332	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C333	CCFT1H103ZF	CAP , CERAMIC	0.01UF 50V Z	1
C335	CCFT1H103ZF	CAP , CERAMIC	0.01UF 50V Z	1
C336	CCFT1H103ZF	CAP , CERAMIC	0.01UF 50V Z	1
C401	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C402	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C403	CCBS1H271KBT	CAP , CERAMIC(270PF/50V)	CH UP025 B271K-A-B Z	1
C404	CCBS1H271KBT	CAP , CERAMIC(270PF/50V)	CH UP025 B271K-A-B Z	1
C405	CCEA1VH101T	CAP , ELECT	100UF 35V	1
Ref. #	**Part Number**	**Description**	**Value**	**Qty**

	COP12037E	AVR650EU MAIN PCB ASS'Y		
C406	CCEA1VH101T	CAP , ELECT	100UF 35V	1
C407	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C408	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C409	CCCT1H030CC	CAP , CERAMIC	3PF 50V C	1
C410	CCCT1H030CC	CAP , CERAMIC	3PF 50V C	1
C411	CCKT1H181KB	CAP , CERAMIC	180PF 50V K	1
C412	CCKT1H181KB	CAP , CERAMIC	180PF 50V K	1
C413	CCEA2AH100TS	CAP , ELECT(KRM, 100V/10UF, 6.3x11)	KRM, 100V/10UF, 6.3X11	1
C414	CCEA2AH100TS	CAP , ELECT(KRM, 100V/10UF, 6.3x11)	KRM, 100V/10UF, 6.3X11	1
C415	CCEA2AH100TS	CAP , ELECT(KRM, 100V/10UF, 6.3x11)	KRM, 100V/10UF, 6.3X11	1
C416	CCEA2AH100TS	CAP , ELECT(KRM, 100V/10UF, 6.3x11)	KRM, 100V/10UF, 6.3X11	1
C417	HCQI1H104JZT	CAP , MYLAR	0.1UF 50V J	1
C418	HCQI1H104JZT	CAP , MYLAR	0.1UF 50V J	1
C419	HCQI1H104JZT	CAP , MYLAR	0.1UF 50V J	1
C420	HCQI1H104JZT	CAP , MYLAR	0.1UF 50V J	1
C425	CCKT1H222KB	CAP , CERAMIC	2200PF 50V K	1
C426	CCKT1H222KB	CAP , CERAMIC	2200PF 50V K	1
C429	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C430	CCME2A683JXT	CAP , METALIZED FILM (0.068UF/100V J)		1
C431	CCME2A683JXT	CAP , METALIZED FILM (0.068UF/100V J)		1
C432	CCEA1EH471T	CAP , ELECT	470UF 25V	1
C433	CCBS1H103ZFT	CAP , CERAMIC	0.01UF 50V Z	1
C434	CCFT1H103ZF	CAP , CERAMIC	0.01UF 50V Z	1
C441	CCBS1H271KBT	CAP , CERAMIC(270PF/50V)	CH UP025 B271K-A-B Z	1
C442	CCBS1H271KBT	CAP , CERAMIC(270PF/50V)	CH UP025 B271K-A-B Z	1
D104	HVD1N4148T	DIODE	1N4148	1
D131	HVD1N4007T	DIODE		1
D132	HVD1N4007T	DIODE		1
D134	HVD1N4148T	DIODE	1N4148	1
D135	C3A206	WIRE , COPPER	SN95/PB5 , 0.6	0,022
D151	HVD1N4148T	DIODE	1N4148	1
D152	HVD1N4148T	DIODE	1N4148	1
D153	HVD1N4148T	DIODE	1N4148	1
D204	HVDMTZJ12BT	DIODE , ZENER	MTZJ12B 1/2W	1
D205	HVD1N4148T	DIODE	1N4148	1
D206	HVD1N4148T	DIODE	1N4148	1
D207	CVDZJ3.3BT	DIODE , ZENER 3.3V	ZJ3.3B 1/2W	1
D210	HVD1N5819T	DIODE , SCHOTTKY	1N5819	1
D211	CVD1N4003ST	DIODE , RECT	1N4003	1
D301	HVD1N4148T	DIODE	1N4148	1
D302	HVD1N4148T	DIODE	1N4148	1
D303	HVD1N4148T	DIODE	1N4148	1
D304	HVD1N4148T	DIODE	1N4148	1
D305	HVD1N4148T	DIODE	1N4148	1
D306	HVD1N4148T	DIODE	1N4148	1
D307	HVD1N4148T	DIODE	1N4148	1
D308	HVD1N4148T	DIODE	1N4148	1
D401	HVD1N4148T	DIODE	1N4148	1
D402	HVD1N4148T	DIODE	1N4148	1
D403	HVD1N4148T	DIODE	1N4148	1
D404	HVD1N4148T	DIODE	1N4148	1
D405	HVD1N4148T	DIODE	1N4148	1
D406	HVD1N4148T	DIODE	1N4148	1
D407	HVD1N4148T	DIODE	1N4148	1
D408	HVD1N4148T	DIODE	1N4148	1
D409	HVD1N4148T	DIODE	1N4148	1
D410	HVD1N4148T	DIODE	1N4148	1
D411	HVD1N4148T	DIODE	1N4148	1
D412	HVD1N4148T	DIODE	1N4148	1
F101	KBA2D2000A2EYT	FUSE (382/TR5SERIES 2A 250V 8.5mm TL)		1
F102	KBA2D2000A2EYT	FUSE (382/TR5SERIES 2A 250V 8.5mm TL)		1
F103	KBA2D2000A2EYT	FUSE (382/TR5SERIES 2A 250V 8.5mm TL)		1
F104	KBA2D2000A2EYT	FUSE (382/TR5SERIES 2A 250V 8.5mm TL)		1
G102	HJT1A025	PALTE , EARTH	MET37-0002	1
G103	HJT1A025	PALTE , EARTH	MET37-0002	1
Q131	HVTKRC107MT	T.R , TO-92M	KRC107M	1
Q181	HVTKTA1268GRT	T.R	KTA1268GR	1
Q182	HVTKTA1024YT	T.R		1
Q201	HVTKRC107MT	T.R , TO-92M	KRC107M	1
Q301	HVTKTC3200GRT	T.R	KTC3200GR	1
Q302	HVTKTC3200GRT	T.R	KTC3200GR	1
Q303	HVTKTC3200GRT	T.R	KTC3200GR	1
Q304	HVTKTC3200GRT	T.R	KTC3200GR	1
Q305	HVTKTC3200GRT	T.R	KTC3200GR	1
Q306	HVTKTC3200GRT	T.R	KTC3200GR	1
Q307	HVTKTC3198YT	T.R	KTC3198Y	1
Q308	HVTKTC3198YT	T.R	KTC3198Y	1
Q309	CVT2SA1145YFT	T.R , PNP HFE:120~240 TO-92L		1
Q310	CVT2SA1145YFT	T.R , PNP HFE:120~240 TO-92L		1
Q311	HVTKTA1268GRT	T.R	KTA1268GR	1
Q312	HVTKTA1268GRT	T.R	KTA1268GR	1
Q313	HVTKTC3200GRT	T.R	KTC3200GR	1
Q314	HVTKTC3200GRT	T.R	KTC3200GR	1
Q315	HVTKTA1024YT	T.R		1
Q316	HVTKTA1024YT	T.R		1
Ref. #	**Part Number**	**Description**	**Value**	**Qty**

	COP12037E	AVR650EU MAIN PCB ASS'Y		
Q317	HVTKTC3206YAT	T.R		1
Q318	HVTKTC3206YAT	T.R		1
Q319	HVTKTA1024YT	T.R		1
Q320	HVTKTA1024YT	T.R		1
Q321	HVTKTC3206YAT	T.R		1
Q322	HVTKTC3206YAT	T.R		1
Q337	HVTKTC3200GRT	T.R	KTC3200GR	1
Q338	HVTKTC3200GRT	T.R	KTC3200GR	1
Q401	HVTKTC3200GRT	T.R	KTC3200GR	1
Q402	HVTKTC3200GRT	T.R	KTC3200GR	1
Q403	HVTKTC3200GRT	T.R	KTC3200GR	1
Q404	HVTKTC3200GRT	T.R	KTC3200GR	1
Q405	HVTKTC3200GRT	T.R	KTC3200GR	1
Q406	HVTKTC3200GRT	T.R	KTC3200GR	1
Q407	HVTKTC3198YT	T.R	KTC3198Y	1
Q408	HVTKTC3198YT	T.R	KTC3198Y	1
Q409	HVTKTC3200GRT	T.R	KTC3200GR	1
Q410	HVTKTA1268GRT	T.R	KTA1268GR	1
Q411	CVT2SA1145YFT	T.R , PNP HFE:120~240 TO-92L		1
Q412	CVT2SA1145YFT	T.R , PNP HFE:120~240 TO-92L		1
Q413	HVTKTA1268GRT	T.R	KTA1268GR	1
Q414	HVTKTA1268GRT	T.R	KTA1268GR	1
Q415	HVTKTC3200GRT	T.R	KTC3200GR	1
Q416	HVTKTC3200GRT	T.R	KTC3200GR	1
Q417	HVTKTA1024YT	T.R		1
Q418	HVTKTA1024YT	T.R		1
Q419	HVTKTC3206YAT	T.R		1
Q420	HVTKTC3206YAT	T.R		1
Q421	HVTKTA1024YT	T.R		1
Q422	HVTKTA1024YT	T.R		1
Q423	HVTKTC3206YAT	T.R		1
Q424	HVTKTC3206YAT	T.R		1
Q425	HVTKTC3200GRT	T.R	KTC3200GR	1
Q426	HVTKTC3198YT	T.R	KTC3198Y	1
Q441	HVTKTC3198YT	T.R	KTC3198Y	1
Q442	HVTKTA1024YT	T.R		1
Q443	HVTKRC107MT	T.R , TO-92M	KRC107M	1
R101	CRD20TJ471T	RES , CARBON (470 OHM , 5% , 1/5W)	470 OHM 1/5W J	1
R102	CRD20TJ471T	RES , CARBON (470 OHM , 5% , 1/5W)	470 OHM 1/5W J	1
R105	CRD20TJ471T	RES , CARBON (470 OHM , 5% , 1/5W)	470 OHM 1/5W J	1
R106	CRD20TJ471T	RES , CARBON (470 OHM , 5% , 1/5W)	470 OHM 1/5W J	1
R109	CRD20TJ471T	RES , CARBON (470 OHM , 5% , 1/5W)	470 OHM 1/5W J	1
R110	CRD20TJ471T	RES , CARBON (470 OHM , 5% , 1/5W)	470 OHM 1/5W J	1
R113	CRD20TJ471T	RES , CARBON (470 OHM , 5% , 1/5W)	470 OHM 1/5W J	1
R114	CRD20TJ471T	RES , CARBON (470 OHM , 5% , 1/5W)	470 OHM 1/5W J	1
R121	CRD20TJ103T	RES , CARBON (10K OHM , 5% , 1/5W)	10K OHM 1/5W J	1
R140	CRD20TJ102T	RES , CARBON (1K OHM , 5% , 1/5W)	1K OHM 1/5W J	1
R141	CRD20TJ273T	RES , CARBON (27K OHM , 5% , 1/5W)	27K OHM 1/5W J	1
R142	CRD20TJ333T	RES , CARBON (33K OHM , 5% , 1/5W)	33K OHM 1/5W J	1
R143	CRD20TJ333T	RES , CARBON (33K OHM , 5% , 1/5W)	33K OHM 1/5W J	1
R150	CRD20TJ473T	RES , CARBON (47K OHM , 5% , 1/5W)	47K OHM 1/5W J	1
R151	CRD20TJ100T	RES , CARBON (10 OHM , 5% , 1/5W)	10 OHM 1/5W J	1
R152	CRD20TJ1R0T	RES , CARBON (1 OHM , 5% , 1/5W)	1 OHM 1/5W J	1
R194	CRD20TJ100T	RES , CARBON (10 OHM , 5% , 1/5W)	10 OHM 1/5W J	1
R195	CRD20TJ100T	RES , CARBON (10 OHM , 5% , 1/5W)	10 OHM 1/5W J	1
R196	CRD20TJ100T	RES , CARBON (10 OHM , 5% , 1/5W)	10 OHM 1/5W J	1
R197	CRD20TJ100T	RES , CARBON (10 OHM , 5% , 1/5W)	10 OHM 1/5W J	1
R207	CRD20TJ104T	RES , CARBON (100K OHM , 5% , 1/5W)	100K OHM 1/5W J	1
R209	CRD20TJ273T	RES , CARBON (27K OHM , 5% , 1/5W)	27K OHM 1/5W J	1
R211	CRD20TJ102T	RES , CARBON (1K OHM , 5% , 1/5W)	1K OHM 1/5W J	1
R214	CRD20TJ104T	RES , CARBON (100K OHM , 5% , 1/5W)	100K OHM 1/5W J	1
R215	CRD20TJ221T	RES , CARBON (220 OHM , 5% , 1/5W)	220 OHM 1/5W J	1
R216	CRD20TJ104T	RES , CARBON (100K OHM , 5% , 1/5W)	100K OHM 1/5W J	1
R217	CRD20TJ104T	RES , CARBON (100K OHM , 5% , 1/5W)	100K OHM 1/5W J	1
R218	CRD20TJ104T	RES , CARBON (100K OHM , 5% , 1/5W)	100K OHM 1/5W J	1
R219	CRD20TJ104T	RES , CARBON (100K OHM , 5% , 1/5W)	100K OHM 1/5W J	1
R220	CRD20TJ104T	RES , CARBON (100K OHM , 5% , 1/5W)	100K OHM 1/5W J	1
R223	CRD20TJ513T	RES , CARBON (51K OHM , 5% , 1/5W)		1
R224	CRD20TJ274T	RES , CARBON (270K OHM , 5% , 1/5W)		1
R225	CRD20TJ333T	RES , CARBON (33K OHM , 5% , 1/5W)	33K OHM 1/5W J	1
R231	CRD20TJ103T	RES , CARBON (10K OHM , 5% , 1/5W)	10K OHM 1/5W J	1
R234	CRD20TJ103T	RES , CARBON (10K OHM , 5% , 1/5W)	10K OHM 1/5W J	1
R235	CRD20TJ101T	RES , CARBON (100 OHM , 5% , 1/5W)	100 OHM 1/5W J	1
R236	CRD20TJ471T	RES , CARBON (470 OHM , 5% , 1/5W)	470 OHM 1/5W J	1
R237	CRD20TJ821T	RES , CARBON (820 OHM , 5% , 1/5W)	820 OHM 1/5W J	1
R238	CRD20TF2801T	RES , CARBON		1
R239	CRD20TJ821T	RES , CARBON (820 OHM , 5% , 1/5W)	820 OHM 1/5W J	1
R240	CRD20TF2801T	RES , CARBON		1
R241	CRD20TJ821T	RES , CARBON (820 OHM , 5% , 1/5W)	820 OHM 1/5W J	1
R242	CRD20TF2801T	RES , CARBON		1
R243	CRD20TJ821T	RES , CARBON (820 OHM , 5% , 1/5W)	820 OHM 1/5W J	1
R244	CRD20TF2801T	RES , CARBON		1
R301	CRD20TJ331T	RES , CARBON (330 OHM , 5% , 1/5W)	330 OHM 1/5W J	1
R302	CRD20TJ331T	RES , CARBON (330 OHM , 5% , 1/5W)	330 OHM 1/5W J	1
R305	CRD20TJ333T	RES , CARBON (33K OHM , 5% , 1/5W)	33K OHM 1/5W J	1

Ref. #	Part Number	Description	Value	Qty
	COP12037E	**AVR650EU MAIN PCB ASS'Y**		
R306	CRD20TJ333T	RES , CARBON (33K OHM , 5% , 1/5W)	33K OHM 1/5W J	1
R307	CRD20TJ433T	RES , CARBON (43K OHM , 5% , 1/5W)	43K OHM 1/5W J	1
R308	CRD20TJ433T	RES , CARBON (43K OHM , 5% , 1/5W)	43K OHM 1/5W J	1
R309	CRD20TJ104T	RES , CARBON (100K OHM , 5% , 1/5W)	100K OHM 1/5W J	1
R310	CRD20TJ104T	RES , CARBON (100K OHM , 5% , 1/5W)	100K OHM 1/5W J	1
R311	CRD20TJ162T	RES , CARBON (1.6K OHM , 5% , 1/5W)		1
R312	CRD20TJ162T	RES , CARBON (1.6K OHM , 5% , 1/5W)		1
R313	CRD20TJ162T	RES , CARBON (1.6K OHM , 5% , 1/5W)		1
R314	CRD20TJ162T	RES , CARBON (1.6K OHM , 5% , 1/5W)		1
R315	CRD20TJ471T	RES , CARBON (470 OHM , 5% , 1/5W)	470 OHM 1/5W J	1
R316	CRD20TJ471T	RES , CARBON (470 OHM , 5% , 1/5W)	470 OHM 1/5W J	1
R317	CRD20TJ221T	RES , CARBON (220 OHM , 5% , 1/5W)	220 OHM 1/5W J	1
R318	CRD20TJ221T	RES , CARBON (220 OHM , 5% , 1/5W)	220 OHM 1/5W J	1
R319	CRD20TJ221T	RES , CARBON (220 OHM , 5% , 1/5W)	220 OHM 1/5W J	1
R320	CRD20TJ221T	RES , CARBON (220 OHM , 5% , 1/5W)	220 OHM 1/5W J	1
R321	CRD20TJ221T	RES , CARBON (220 OHM , 5% , 1/5W)	220 OHM 1/5W J	1
R322	CRD20TJ221T	RES , CARBON (220 OHM , 5% , 1/5W)	220 OHM 1/5W J	1
R323	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R324	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R325	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R326	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R327	CRD20TF3302T	RES , CARBON		1
R328	CRD20TF3302T	RES , CARBON		1
R329	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R330	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R331	CRD20TF1501T	RES , CARBON	1.5K /1/5W /F	1
R332	CRD20TF1501T	RES , CARBON	1.5K /1/5W /F	1
R333	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R334	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R335	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R336	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R337	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R338	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R339	CRD20TJ201T	RES , CARBON (200 OHM , 5% , 1/5W)	200 OHM 1/5 W	1
R340	CRD20TJ201T	RES , CARBON (200 OHM , 5% , 1/5W)	200 OHM 1/5 W	1
R341	CRD20TJ153T	RES , CARBON (15K OHM , 5% , 1/5W)	15K OHM 1/5W J	1
R342	CRD20TJ153T	RES , CARBON (15K OHM , 5% , 1/5W)	15K OHM 1/5W J	1
R343	CRD20TJ153T	RES , CARBON (15K OHM , 5% , 1/5W)	15K OHM 1/5W J	1
R344	CRD20TJ153T	RES , CARBON (15K OHM , 5% , 1/5W)	15K OHM 1/5W J	1
R345	CRD20TJ201T	RES , CARBON (200 OHM , 5% , 1/5W)	200 OHM 1/5 W	1
R346	CRD20TJ201T	RES , CARBON (200 OHM , 5% , 1/5W)	200 OHM 1/5 W	1
R347	CRD20TJ201T	RES , CARBON (200 OHM , 5% , 1/5W)	200 OHM 1/5 W	1
R348	CRD20TJ201T	RES , CARBON (200 OHM , 5% , 1/5W)	200 OHM 1/5 W	1
R349	CRD20TJ201T	RES , CARBON (200 OHM , 5% , 1/5W)	200 OHM 1/5 W	1
R350	CRD20TJ201T	RES , CARBON (200 OHM , 5% , 1/5W)	200 OHM 1/5 W	1
R351	CRD50FJ100T	RES , CARBON		1
R352	CRD50FJ100T	RES , CARBON		1
R353	CRD20TJ101T	RES , CARBON (100 OHM , 5% , 1/5W)	100 OHM 1/5W J	1
R354	CRD20TJ101T	RES , CARBON (100 OHM , 5% , 1/5W)	100 OHM 1/5W J	1
R363	CRD20TJ150T	RES , CARBON (15 OHM , 5% , 1/5W)	15 OHM 1/5W J	1
R364	CRD20TJ150T	RES , CARBON (15 OHM , 5% , 1/5W)	15 OHM 1/5W J	1
R365	CRD20TJ150T	RES , CARBON (15 OHM , 5% , 1/5W)	15 OHM 1/5W J	1
R366	CRD20TJ150T	RES , CARBON (15 OHM , 5% , 1/5W)	15 OHM 1/5W J	1
R367	CRD50FJ100T	RES , CARBON		1
R368	CRD50FJ100T	RES , CARBON		1
R369	CRD20TJ101T	RES , CARBON (100 OHM , 5% , 1/5W)	100 OHM 1/5W J	1
R370	CRD20TJ101T	RES , CARBON (100 OHM , 5% , 1/5W)	100 OHM 1/5W J	1
R371	CRD20TJ2R2T	RES , CARBON (2.2 OHM , 5% , 1/5W)	2.2 OHM 1/5W J	1
R372	CRD20TJ2R2T	RES , CARBON (2.2 OHM , 5% , 1/5W)	2.2 OHM 1/5W J	1
R373	CRD20TJ2R2T	RES , CARBON (2.2 OHM , 5% , 1/5W)	2.2 OHM 1/5W J	1
R374	CRD20TJ2R2T	RES , CARBON (2.2 OHM , 5% , 1/5W)	2.2 OHM 1/5W J	1
R375	CRD20TJ820T	RES , CARBON (82 OHM , 5% , 1/5W)	82 OHM 1/5W J	1
R376	CRD20TJ820T	RES , CARBON (82 OHM , 5% , 1/5W)	82 OHM 1/5W J	1
R380	CRD20TJ152T	RES , CARBON (1.5K OHM , 5% , 1/5W)	1.5K OHM 1/5W J	1
R381	CRD20TJ152T	RES , CARBON (1.5K OHM , 5% , 1/5W)	1.5K OHM 1/5W J	1
R382	CRD20TJ393T	RES , CARBON (39K OHM , 5% , 1/5W)		1
R383	CRD20TJ393T	RES , CARBON (39K OHM , 5% , 1/5W)		1
R384	CRD20TJ153T	RES , CARBON (15K OHM , 5% , 1/5W)	15K OHM 1/5W J	1
R385	CRD20TJ153T	RES , CARBON (15K OHM , 5% , 1/5W)	15K OHM 1/5W J	1
R386	CRD20TJ152T	RES , CARBON (1.5K OHM , 5% , 1/5W)	1.5K OHM 1/5W J	1
R387	CRD20TJ152T	RES , CARBON (1.5K OHM , 5% , 1/5W)	1.5K OHM 1/5W J	1
R388	CRD20TJ100T	RES , CARBON (10 OHM , 5% , 1/5W)	10 OHM 1/5W J	1
R389	CRD20TJ100T	RES , CARBON (10 OHM , 5% , 1/5W)	10 OHM 1/5W J	1
R390	CRD20TJ223T	RES , CARBON (22K OHM , 5% , 1/5W)	22K OHM 1/5W J	1
R391	CRD20TJ223T	RES , CARBON (22K OHM , 5% , 1/5W)	22K OHM 1/5W J	1
R399	CRD20TJ102T	RES , CARBON (1K OHM , 5% , 1/5W)	1K OHM 1/5W J	1
R401	CRD20TJ331T	RES , CARBON (330 OHM , 5% , 1/5W)	330 OHM 1/5W J	1
R402	CRD20TJ331T	RES , CARBON (330 OHM , 5% , 1/5W)	330 OHM 1/5W J	1
R403	CRD20TJ333T	RES , CARBON (33K OHM , 5% , 1/5W)	33K OHM 1/5W J	1
R404	CRD20TJ333T	RES , CARBON (33K OHM , 5% , 1/5W)	33K OHM 1/5W J	1
R405	CRD20TJ162T	RES , CARBON (1.6K OHM , 5% , 1/5W)		1
R406	CRD20TJ162T	RES , CARBON (1.6K OHM , 5% , 1/5W)		1
R407	CRD20TJ162T	RES , CARBON (1.6K OHM , 5% , 1/5W)		1
R408	CRD20TJ162T	RES , CARBON (1.6K OHM , 5% , 1/5W)		1
R409	CRD20TJ221T	RES , CARBON (220 OHM , 5% , 1/5W)	220 OHM 1/5W J	1
R410	CRD20TJ221T	RES , CARBON (220 OHM , 5% , 1/5W)	220 OHM 1/5W J	1
Ref. #	**Part Number**	**Description**	**Value**	**Qty**

	COP12037E	AVR650EU MAIN PCB ASS'Y		
R411	CRD20TJ221T	RES , CARBON (220 OHM , 5% , 1/5W)	220 OHM 1/5W J	1
R412	CRD20TJ221T	RES , CARBON (220 OHM , 5% , 1/5W)	220 OHM 1/5W J	1
R413	CRD20TJ221T	RES , CARBON (220 OHM , 5% , 1/5W)	220 OHM 1/5W J	1
R414	CRD20TJ221T	RES , CARBON (220 OHM , 5% , 1/5W)	220 OHM 1/5W J	1
R415	CRD20TJ433T	RES , CARBON (43K OHM , 5% , 1/5W)	43K OHM 1/5W J	1
R416	CRD20TJ433T	RES , CARBON (43K OHM , 5% , 1/5W)	43K OHM 1/5W J	1
R417	CRD20TF3302T	RES , CARBON		1
R418	CRD20TF3302T	RES , CARBON		1
R419	CRD20TF1501T	RES , CARBON	1.5K /1/5W /F	1
R420	CRD20TF1501T	RES , CARBON	1.5K /1/5W /F	1
R421	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R422	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R423	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R424	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R425	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R426	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R427	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R428	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R429	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R430	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R431	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R432	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R433	CRD20TJ201T	RES , CARBON (200 OHM , 5% , 1/5W)	200 OHM 1/5 W	1
R434	CRD20TJ201T	RES , CARBON (200 OHM , 5% , 1/5W)	200 OHM 1/5 W	1
R435	CRD20TJ201T	RES , CARBON (200 OHM , 5% , 1/5W)	200 OHM 1/5 W	1
R436	CRD20TJ201T	RES , CARBON (200 OHM , 5% , 1/5W)	200 OHM 1/5 W	1
R437	CRD20TJ153T	RES , CARBON (15K OHM , 5% , 1/5W)	15K OHM 1/5W J	1
R438	CRD20TJ153T	RES , CARBON (15K OHM , 5% , 1/5W)	15K OHM 1/5W J	1
R439	CRD20TJ153T	RES , CARBON (15K OHM , 5% , 1/5W)	15K OHM 1/5W J	1
R440	CRD20TJ153T	RES , CARBON (15K OHM , 5% , 1/5W)	15K OHM 1/5W J	1
R441	CRD20TJ201T	RES , CARBON (200 OHM , 5% , 1/5W)	200 OHM 1/5 W	1
R442	CRD20TJ201T	RES , CARBON (200 OHM , 5% , 1/5W)	200 OHM 1/5 W	1
R443	CRD20TJ201T	RES , CARBON (200 OHM , 5% , 1/5W)	200 OHM 1/5 W	1
R444	CRD20TJ201T	RES , CARBON (200 OHM , 5% , 1/5W)	200 OHM 1/5 W	1
R445	CRD50FJ100T	RES , CARBON		1
R446	CRD50FJ100T	RES , CARBON		1
R447	CRD50FJ100T	RES , CARBON		1
R448	CRD50FJ100T	RES , CARBON		1
R450	CRD20TJ472T	RES , CARBON (4.7K OHM , 5% , 1/5W)	4.7K OHM 1/5W J	1
R451	CRD20TJ473T	RES , CARBON (47K OHM , 5% , 1/5W)	47K OHM 1/5W J	1
R452	CRD20TJ473T	RES , CARBON (47K OHM , 5% , 1/5W)	47K OHM 1/5W J	1
R453	CRD20TJ473T	RES , CARBON (47K OHM , 5% , 1/5W)	47K OHM 1/5W J	1
R454	CRD20TJ473T	RES , CARBON (47K OHM , 5% , 1/5W)	47K OHM 1/5W J	1
R455	CRD20TJ473T	RES , CARBON (47K OHM , 5% , 1/5W)	47K OHM 1/5W J	1
R456	CRD20TJ473T	RES , CARBON (47K OHM , 5% , 1/5W)	47K OHM 1/5W J	1
R457	CRD20TJ101T	RES , CARBON (100 OHM , 5% , 1/5W)	100 OHM 1/5W J	1
R458	CRD20TJ101T	RES , CARBON (100 OHM , 5% , 1/5W)	100 OHM 1/5W J	1
R459	CRD20TJ101T	RES , CARBON (100 OHM , 5% , 1/5W)	100 OHM 1/5W J	1
R460	CRD20TJ101T	RES , CARBON (100 OHM , 5% , 1/5W)	100 OHM 1/5W J	1
R461	CRD20TJ150T	RES , CARBON (15 OHM , 5% , 1/5W)	15 OHM 1/5W J	1
R462	CRD20TJ150T	RES , CARBON (15 OHM , 5% , 1/5W)	15 OHM 1/5W J	1
R463	CRD20TJ150T	RES , CARBON (15 OHM , 5% , 1/5W)	15 OHM 1/5W J	1
R464	CRD20TJ150T	RES , CARBON (15 OHM , 5% , 1/5W)	15 OHM 1/5W J	1
R465	CRD20TJ2R2T	RES , CARBON (2.2 OHM , 5% , 1/5W)	2.2 OHM 1/5W J	1
R466	CRD20TJ2R2T	RES , CARBON (2.2 OHM , 5% , 1/5W)	2.2 OHM 1/5W J	1
R467	CRD20TJ2R2T	RES , CARBON (2.2 OHM , 5% , 1/5W)	2.2 OHM 1/5W J	1
R468	CRD20TJ2R2T	RES , CARBON (2.2 OHM , 5% , 1/5W)	2.2 OHM 1/5W J	1
R469	CRD20TJ820T	RES , CARBON (82 OHM , 5% , 1/5W)	82 OHM 1/5W J	1
R470	CRD20TJ820T	RES , CARBON (82 OHM , 5% , 1/5W)	82 OHM 1/5W J	1
R473	CRD20TJ100T	RES , CARBON (10 OHM , 5% , 1/5W)	10 OHM 1/5W J	1
R474	CRD20TJ100T	RES , CARBON (10 OHM , 5% , 1/5W)	10 OHM 1/5W J	1
R479	CRD20TJ104T	RES , CARBON (100K OHM , 5% , 1/5W)	100K OHM 1/5W J	1
R480	CRD20TJ104T	RES , CARBON (100K OHM , 5% , 1/5W)	100K OHM 1/5W J	1
R481	CRD20TJ152T	RES , CARBON (1.5K OHM , 5% , 1/5W)	1.5K OHM 1/5W J	1
R482	CRD20TJ153T	RES , CARBON (15K OHM , 5% , 1/5W)	15K OHM 1/5W J	1
R483	CRD20TJ152T	RES , CARBON (1.5K OHM , 5% , 1/5W)	1.5K OHM 1/5W J	1
R484	CRD20TJ393T	RES , CARBON (39K OHM , 5% , 1/5W)		1
R485	CRD20TJ103T	RES , CARBON (10K OHM , 5% , 1/5W)	10K OHM 1/5W J	1
R486	CRD20TJ223T	RES , CARBON (22K OHM , 5% , 1/5W)	22K OHM 1/5W J	1
R487	CRD20TJ393T	RES , CARBON (39K OHM , 5% , 1/5W)		1
R488	CRD20TJ152T	RES , CARBON (1.5K OHM , 5% , 1/5W)	1.5K OHM 1/5W J	1
R489	CRD20TJ153T	RES , CARBON (15K OHM , 5% , 1/5W)	15K OHM 1/5W J	1
R490	CRD20TJ152T	RES , CARBON (1.5K OHM , 5% , 1/5W)	1.5K OHM 1/5W J	1
R491	CRD20TJ393T	RES , CARBON (39K OHM , 5% , 1/5W)		1
R492	CRD20TJ223T	RES , CARBON (22K OHM , 5% , 1/5W)	22K OHM 1/5W J	1
R493	CRD20TJ822T	RES , CARBON (8.2K OHM , 5% , 1/5W)	8.2K OHM 1/5W J	1
R495	CRD20TJ471T	RES , CARBON (470 OHM , 5% , 1/5W)	470 OHM 1/5W J	1
R497	CRD20TJ271T	RES , CARBON (270 OHM , 5% , 1/5W)	270 OHM 1/5W J	1
R498	CRD20TJ273T	RES , CARBON (27K OHM , 5% , 1/5W)	27K OHM 1/5W J	1
R499	CRD20TJ471T	RES , CARBON (470 OHM , 5% , 1/5W)	470 OHM 1/5W J	1
	CMD1A657	BRACKET , POSISTOR AVR755		1
	CMYAVR755HS1A295YA	T.R HEAT SINK ASS'Y (CMY1A295)		1
	CHD1A012R	SCREW , SPECIAL		1
	CHD6A012JR	SCREW		4
	CMY1A295	HEAT SINK , REG. TR AVR755		1

Ref. #	Part Number	Description	Value	Qty
	COP12037E	**AVR650EU MAIN PCB ASS'Y**		
	CNE1A012	NUT , M3		4
	CTB3+8JFZR	SCREW		2
	K8AYG6260	COMPOUND , SILICONE		0,5
IC131	HVIKIA7812API	I.C , REGULATOR	KIA78XXAPI	1
IC132	HVIKIA278R12PI	REGULATOR(12V OUTPUT LOW DROP)	KIA278R12PI	1
IC133	CVIKIA278R15PI	I.C , REGULATOR(15V OUTPUT LOW DROP)		1
IC134	CVIKIA7915PI	I.C , REGULATOR(15V, TO-220AB)	KIA7915PI	1
IC135	CVIKIA7824API	I.C , VOL-REGULATOR(24V TO-220IS)	KIA7824API	1
IC136	HVIKIA7812API	I.C , REGULATOR	KIA78XXAPI	1
	CNW4A028	WASHER , FIBRE(0.5)		5
	CQB1D022	A-ROHS/LABEL,SERIAL		1
	CTB3+8JFZR	SCREW		1
	CTW3+8JFZR	SCREW		5
	C2K86002	SOLDER , BAR SN PB FREE	HSE-16(P) B20	10
	C2K86102	SOLDER , FLUX WIRE PB FREE(PIE 1.0)	HSE-04 W1.0	5
	C8E534	FLUX		3
C151	CCET63VKL5153MS67	CAP , ELECT (15000UF/63V M 40X50 P10mm)	KL5-63V153MS67 , KOSHIN	1
C152	CCET63VKL5153MS67	CAP , ELECT (15000UF/63V M 40X50 P10mm)	KL5-63V153MS67 , KOSHIN	1
C153	CCEA1VH222E	CAP , ELECT		1
C154	CCEA1VH222E	CAP , ELECT		1
C155	CCEA1HH222ES	CAP , ELECT(KRM, 50V/2200UF,105C, 16X31.5)		1
C223	CCEA1CH223E	CAP , ELECT (22000UF/16V, 22*40, KR1)	KR1-016V223MM400-L/C4.0	1
C224	CCEA1CH103E	CAP , ELECT		1
C303	CCEA1JH471E	CAP , ELECT		1
C304	CCEA1JH471E	CAP , ELECT		1
C305	CCEA1JH471E	CAP , ELECT		1
C306	CCEA1JH471E	CAP , ELECT		1
C421	CCEA1JH471E	CAP , ELECT		1
C422	CCEA1JH471E	CAP , ELECT		1
C423	CCEA1JH471E	CAP , ELECT		1
C424	CCEA1JH471E	CAP , ELECT		1
D140	CVD2W04MMFRS2	DIODE , BRIDGE(RC-2 KINK TYPE)	2W04MMFRS2 , DELTA	1
D141	CVD2W04MMFRS2	DIODE , BRIDGE(RC-2 KINK TYPE)	2W04MMFRS2 , DELTA	1
IC138	HVINJM2068DD	I.C , OP AMP	NJM2068DD	1
IC233	CVILM19CIZ2.4V	I.C , TEMP SENSOR	LM19CIZ2.4V , NATIONAL(T I)	1
JA101	CJJ4P055Z	JACK 4P WH/BL/RD/GY		1
JA102	CJJ4P063Z	JACK , RCA (4P, 401DAG, GN BN PP TA, AU PL)		1
JA103	CJJ9L004Z	JACK , RJ-45		1
JA104	CJJ5Q017Z	TERMINAL , SPEAKER (8P, GY/BL/RD/WH, SCREW , AU)	SH081Q367G, DONGBO	1
J301	C3A206	WIRE , COPPER	SN95/PB5 , 0.6	0,018
L301	CLEY0R5KAK	COIL , SPEAKER	0.5UH K	1
L302	CLEY0R5KAK	COIL , SPEAKER	0.5UH K	1
L401	CLEY0R5KAK	COIL , SPEAKER	0.5UH K	1
L402	CLEY0R5KAK	COIL , SPEAKER	0.5UH K	1
N102	CWBAVR755N102	3P WIRE ASS'Y(400MM, 3.96MM)		1
N106	CJP04GB99ZM	WAFER		1
N107	CJP04GB99ZM	WAFER		1
N108	CJP04GB99ZM	WAFER		1
N109	CJP04GB99ZM	WAFER		1
N110	CWB1E007180BM	7P WIRE ASS'Y(180MM, 2.5MM)		1
N111	CJP07GB99ZY	HOUSING		1
N114	CWB1B005200GN	5P WIRE ASS'Y(200MM, 2.0MM)		1
N119	CWB1C902200EN	WIRE ASS'Y		1
N131	CWB1C005350GN	5P WIRE ASS'Y(350MM, 2.0MM)		1
P102	CJP07GA98ZY	WAFER		1
P103	CJP10GA98ZY	WAFER		1
P104	CJP05GA01ZY	WAFER(YMW025-05R)		1
P105	CJP07GA47ZW	WAFER(7P, ST 2MM)		1
P106	CJP02GA01ZY	WAFER , STRAIGHT, 2PIN		1
P107	CJP07GA98ZY	WAFER		1
P108	CJP16GA98ZM	WAFER(16P, ST 2MM)		1
P110	CJP03GA90ZY	WAFER		1
P111	CJP02GA01ZY	WAFER , STRAIGHT, 2PIN		1
P112	CJP02GA01ZY	WAFER , STRAIGHT, 2PIN		1
P113	CJP02GA01ZY	WAFER , STRAIGHT, 2PIN		1
P114	CJP02GA01ZY	WAFER , STRAIGHT, 2PIN		1
P115	CJP04GA98ZM	WAFER		1
P116	CJP04GA98ZM	WAFER		1
P117	CJP04GA98ZM	WAFER		1
P118	CJP04GA98ZM	WAFER		1
Q231	HVTKTC3114A	T.R , BIAS	KTC3114A	1
Q232	HVTKTC3114A	T.R , BIAS	KTC3114A	1
Q233	HVTKTC3114A	T.R , BIAS	KTC3114A	1
Q234	HVTKTC3114A	T.R , BIAS	KTC3114A	1
Q323	HVTKTC3423Y	T.R , PRE DRIVE	KTC3423Y	1
Q324	HVTKTC3423Y	T.R , PRE DRIVE	KTC3423Y	1
Q327	HVTKTA1360Y	T.R , PRE DRIVE	KTA1360Y	1
Q328	HVTKTA1360Y	T.R , PRE DRIVE	KTA1360Y	1
Q429	HVTKTC3423Y	T.R , PRE DRIVE	KTC3423Y	1
Q430	HVTKTC3423Y	T.R , PRE DRIVE	KTC3423Y	1
Q431	HVTKTA1360Y	T.R , PRE DRIVE	KTA1360Y	1
Q432	HVTKTA1360Y	T.R , PRE DRIVE	KTA1360Y	1
R130	CRG2SANJ2R2H	RES , METAL OXIDE(2.2 OHM 5% 2.0W)		1
R131	CRG2SANJ2R2H	RES , METAL OXIDE(2.2 OHM 5% 2.0W)		1
R144	CRG2SANJ3R3H	RES , METAL OXIDE(3.3 OHM 5% 2.0W)		1
R145	CRG2SANJ4R7H	RES , METAL OXIDE(4.7 OHM 5% 2.0W)		1
Ref. #	**Part Number**	**Description**	**Value**	**Qty**

	COP12037E	**AVR650EU MAIN PCB ASS'Y**		
R146	CRG2SANJ3R3H	RES , METAL OXIDE(3.3 OHM 5% 2.0W)		1
R147	CRG2SANJ3R3H	RES , METAL OXIDE(3.3 OHM 5% 2.0W)		1
R149	C3A206	WIRE , COPPER	SN95/PB5 , 0.6	0,018
R193	CRG2SANJ121RT	RES , METAL OXIDE FILM(2W, 120)		1
R199	CRG2SANJ121RT	RES , METAL OXIDE FILM(2W, 120)		1
R378	CRF5EKR22HX2	RES , CEMENT	0.22OHM(*2), 5W	1
R379	CRF5EKR22HX2	RES , CEMENT	0.22OHM(*2), 5W	1
R392	CRG1ANJ100H	RES , METAL OXIDE FILM	10 OHM 1W J	1
R393	CRG1ANJ100H	RES , METAL OXIDE FILM	10 OHM 1W J	1
R471	CRF5EKR22HX2	RES , CEMENT	0.22OHM(*2), 5W	1
R472	CRF5EKR22HX2	RES , CEMENT	0.22OHM(*2), 5W	1
R475	CRG1ANJ100H	RES , METAL OXIDE FILM	10 OHM 1W J	1
R476	CRG1ANJ100H	RES , METAL OXIDE FILM	10 OHM 1W J	1
VR101	CVN12A221B03T	RES , SEMI FIXED (220 OHM)	NVZ6TLTAB221 / HOKURIKU	1
VR102	CVN12A221B03T	RES , SEMI FIXED (220 OHM)	NVZ6TLTAB221 / HOKURIKU	1
VR103	CVN12A221B03T	RES , SEMI FIXED (220 OHM)	NVZ6TLTAB221 / HOKURIKU	1
VR104	CVN12A221B03T	RES , SEMI FIXED (220 OHM)	NVZ6TLTAB221 / HOKURIKU	1
Ref. #	**Part Number**	**Description**	**Value**	**Qty**
	CMYAVR655/240S	**SURROUND HEAT SINK ASS'Y**		**1**
	CMYAVR755SA	SURROUND SUB HEAT SINK ASS'Y		1
	CHD1A012R	SCREW , SPECIAL		18
	CMD1A657	BRACKET , POSISTOR AVR755		1
	CMD1A660	BRACKET , HEAT SINK AVR755		5
	CMY1A292	HEAT SINK , SURR AMP AVR755		1
	CTB3+8JFZR	SCREW		5
	K8AYG6260	COMPOUND , SILICONE		3
IC801	CVIKIA578R033PI	I.C , REGULATOR 5A (TO-220IS-4)	KIA578R033PI	1
IC802	HVIKIA278R05PI	REGULATOR (5V OUTPUT LOW DROP)	KIA278R05PI	1
IC803	CVIKIA7905PI	I.C , REGULATOR(-5V)	KIA7905PI-U/PF	1
Q514	HVTKTC3114A	T.R , BIAS	KTC3114A	1
Q516	HVT2SA1859A	T.R , DRIVER	2SA1859A P -2.0A	1
Q517	HVT2SC4883A	T.R , DRIVER	2SC4883A N 2.0A	1
Q518	CVT2SC5358R	T.R , POWER(NPN 230V,15A, HFE:55~110, 80W)	2SC535R-R , TOSHIBA	1
Q519	CVT2SA1986R	T.R , POWER(PNP 230V,15A, HFE:55~110, 80W)	2SC1986-R , TOSHIBA	1
Q614	HVTKTC3114A	T.R , BIAS	KTC3114A	1
Q616	HVT2SA1859A	T.R , DRIVER	2SA1859A P -2.0A	1
Q617	HVT2SC4883A	T.R , DRIVER	2SC4883A N 2.0A	1
Q618	CVT2SC5358R	T.R , POWER(NPN 230V,15A, HFE:55~110, 80W)	2SC535R-R , TOSHIBA	1
Q619	CVT2SA1986R	T.R , POWER(PNP 230V,15A, HFE:55~110, 80W)	2SC1986-R , TOSHIBA	1
Q714	HVTKTC3114A	T.R , BIAS	KTC3114A	1
Q716	HVT2SA1859A	T.R , DRIVER	2SA1859A P -2.0A	1
Q717	HVT2SC4883A	T.R , DRIVER	2SC4883A N 2.0A	1
Q718	CVT2SC5358R	T.R , POWER(NPN 230V,15A, HFE:55~110, 80W)	2SC535R-R , TOSHIBA	1
Q719	CVT2SA1986R	T.R , POWER(PNP 230V,15A, HFE:55~110, 80W)	2SC1986-R , TOSHIBA	1
Ref. #	**Part Number**	**Description**	**Value**	**Qty**
	COP12044E	**AVR650EU SURROUND PCB ASS'Y**		**1**
C503	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C504	CCBS1H271KBT	CAP , CERAMIC(270PF/50V)	CH UP025 B271K-A-B Z	1
C505	CCEA1EH101T	CAP , ELECT	100UF 25V	1
C506	CCBS1H271KBT	CAP , CERAMIC(270PF/50V)	CH UP025 B271K-A-B Z	1
C507	CCCT1H030CC	CAP , CERAMIC	3PF 50V C	1
C508	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C509	CCKT1H181KB	CAP , CERAMIC	180PF 50V K	1
C510	CCME2A683JXT	CAP , METALIZED FILM (0.068UF/100V J)		1
C511	CCEA2AH100TS	CAP , ELECT(KRM, 100V/10UF, 6.3x11)	KRM, 100V/10UF, 6.3X11	1
C512	CCEA2AH100TS	CAP , ELECT(KRM, 100V/10UF, 6.3x11)	KRM, 100V/10UF, 6.3X11	1
C513	CCME2A104JXT	CAP , METALLIZED FILM	HMFS104J2AP050T	1
C514	CCME2A104JXT	CAP , METALLIZED FILM	HMFS104J2AP050T	1
C515	CCKT1H332KB	CAP , CERAMIC	3300PF 50V K	1
C516	CCFT1H103ZF	CAP , CERAMIC	0.01UF 50V Z	1
C603	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C604	CCBS1H271KBT	CAP , CERAMIC(270PF/50V)	CH UP025 B271K-A-B Z	1
C605	CCEA1EH101T	CAP , ELECT	100UF 25V	1
C606	CCBS1H271KBT	CAP , CERAMIC(270PF/50V)	CH UP025 B271K-A-B Z	1
C607	CCCT1H030CC	CAP , CERAMIC	3PF 50V C	1
C608	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C609	CCKT1H181KB	CAP , CERAMIC	180PF 50V K	1
C610	CCME2A683JXT	CAP , METALIZED FILM (0.068UF/100V J)		1
C611	CCEA2AH100TS	CAP , ELECT(KRM, 100V/10UF, 6.3x11)	KRM, 100V/10UF, 6.3X11	1
C612	CCEA2AH100TS	CAP , ELECT(KRM, 100V/10UF, 6.3x11)	KRM, 100V/10UF, 6.3X11	1
C613	CCME2A104JXT	CAP , METALLIZED FILM	HMFS104J2AP050T	1
C614	CCME2A104JXT	CAP , METALLIZED FILM	HMFS104J2AP050T	1
C615	CCKT1H332KB	CAP , CERAMIC	3300PF 50V K	1
C616	CCFT1H103ZF	CAP , CERAMIC	0.01UF 50V Z	1
C703	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C704	CCBS1H271KBT	CAP , CERAMIC(270PF/50V)	CH UP025 B271K-A-B Z	1
C705	CCEA1EH101T	CAP , ELECT	100UF 25V	1
C706	CCBS1H271KBT	CAP , CERAMIC(270PF/50V)	CH UP025 B271K-A-B Z	1
C707	CCCT1H030CC	CAP , CERAMIC	3PF 50V C	1
C708	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C709	CCKT1H181KB	CAP , CERAMIC	180PF 50V K	1
C710	CCME2A683JXT	CAP , METALIZED FILM (0.068UF/100V J)		1

Ref. #	Part Number	Description	Value	Qty
	COP12044E	**AVR650EU SURROUND PCB ASS'Y**		**1**
C711	CCEA2AH100TS	CAP , ELECT(KRM, 100V/10UF, 6.3x11)	KRM, 100V/10UF, 6.3X11	1
C712	CCEA2AH100TS	CAP , ELECT(KRM, 100V/10UF, 6.3x11)	KRM, 100V/10UF, 6.3X11	1
C713	CCME2A104JXT	CAP , METALLIZED FILM	HMFS104J2AP050T	1
C714	CCME2A104JXT	CAP , METALLIZED FILM	HMFS104J2AP050T	1
C715	CCKT1H332KB	CAP , CERAMIC	3300PF 50V K	1
C716	CCFT1H103ZF	CAP , CERAMIC	0.01UF 50V Z	1
C807	CCFT1H104ZF	CAP , SEMICONDUCTOR	0.1UF 50V Z	1
C808	CCFT1H104ZF	CAP , SEMICONDUCTOR	0.1UF 50V Z	1
C809	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C810	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C811	CCFT1H104ZF	CAP , SEMICONDUCTOR	0.1UF 50V Z	1
C812	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C901	CCEA1HH100T	CAP , ELECT	10UF 50V	1
D501	HVD1N4148T	DIODE	1N4148	1
D502	HVD1N4148T	DIODE	1N4148	1
D503	HVD1N4148T	DIODE	1N4148	1
D504	HVD1N4148T	DIODE	1N4148	1
D601	HVD1N4148T	DIODE	1N4148	1
D602	HVD1N4148T	DIODE	1N4148	1
D603	HVD1N4148T	DIODE	1N4148	1
D604	HVD1N4148T	DIODE	1N4148	1
D701	HVD1N4148T	DIODE	1N4148	1
D702	HVD1N4148T	DIODE	1N4148	1
D703	HVD1N4148T	DIODE	1N4148	1
D704	HVD1N4148T	DIODE	1N4148	1
D802	HVD1N4148T	DIODE	1N4148	1
D803	HVD1N4148T	DIODE	1N4148	1
D901	HVD1N4148T	DIODE	1N4148	1
G801	HJT1A025	PALTE , EARTH	MET37-0002	1
G900	HJT1A025	PALTE , EARTH	MET37-0002	1
G901	HJT1A025	PALTE , EARTH	MET37-0002	1
Q501	HVTKTC3200GRT	T.R	KTC3200GR	1
Q502	HVTKTC3200GRT	T.R	KTC3200GR	1
Q503	HVTKTC3200GRT	T.R	KTC3200GR	1
Q504	HVTKTC3198YT	T.R	KTC3198Y	1
Q505	CVT2SA1145YFT	T.R , PNP HFE:120~240 TO-92L	2SA1145-Y(TE6,F	1
Q506	HVTKTA1268GRT	T.R	KTA1268GR	1
Q507	HVTKTC3200GRT	T.R	KTC3200GR	1
Q508	HVTKTA1024YT	T.R	KTA1024-Y-AT/P	1
Q509	HVTKTC3206YAT	T.R	KTC3206-Y-AT/P	1
Q511	HVTKTA1024YT	T.R	KTA1024-Y-AT/P	1
Q512	HVTKTC3206YAT	T.R	KTC3206-Y-AT/P	1
Q520	HVTKTC3200GRT	T.R	KTC3200GR	1
Q601	HVTKTC3200GRT	T.R	KTC3200GR	1
Q602	HVTKTC3200GRT	T.R	KTC3200GR	1
Q603	HVTKTC3200GRT	T.R	KTC3200GR	1
Q604	HVTKTC3198YT	T.R	KTC3198Y	1
Q605	CVT2SA1145YFT	T.R , PNP HFE:120~240 TO-92L	2SA1145-Y(TE6,F	1
Q606	HVTKTA1268GRT	T.R	KTA1268GR	1
Q607	HVTKTC3200GRT	T.R	KTC3200GR	1
Q608	HVTKTA1024YT	T.R	KTA1024-Y-AT/P	1
Q609	HVTKTC3206YAT	T.R	KTC3206-Y-AT/P	1
Q611	HVTKTA1024YT	T.R	KTA1024-Y-AT/P	1
Q612	HVTKTC3206YAT	T.R	KTC3206-Y-AT/P	1
Q620	HVTKTC3200GRT	T.R	KTC3200GR	1
Q701	HVTKTC3200GRT	T.R	KTC3200GR	1
Q702	HVTKTC3200GRT	T.R	KTC3200GR	1
Q703	HVTKTC3200GRT	T.R	KTC3200GR	1
Q704	HVTKTC3198YT	T.R	KTC3198Y	1
Q705	CVT2SA1145YFT	T.R , PNP HFE:120~240 TO-92L	2SA1145-Y(TE6,F	1
Q706	HVTKTA1268GRT	T.R	KTA1268GR	1
Q707	HVTKTC3200GRT	T.R	KTC3200GR	1
Q708	HVTKTA1024YT	T.R	KTA1024-Y-AT/P	1
Q709	HVTKTC3206YAT	T.R	KTC3206-Y-AT/P	1
Q711	HVTKTA1024YT	T.R	KTA1024-Y-AT/P	1
Q712	HVTKTC3206YAT	T.R	KTC3206-Y-AT/P	1
Q720	HVTKTC3200GRT	T.R	KTC3200GR	1
Q901	HVTKTA1268GRT	T.R	KTA1268GR	1
R501	CRD20TJ331T	RES , CARBON	330 OHM 1/5W J	1
R502	CRD20TJ333T	RES , CARBON	33K OHM 1/5W J	1
R504	CRD20TJ433T	RES , CARBON	43K OHM 1/5W J	1
R505	CRD20TJ221T	RES , CARBON	220 OHM 1/5W J	1
R506	CRD20TJ221T	RES , CARBON	220 OHM 1/5W J	1
R507	CRD20TJ221T	RES , CARBON	220 OHM 1/5W J	1
R508	CRD20TJ471T	RES , CARBON	470 OHM 1/5W J	1
R509	CRD20TJ162T	RES , CARBON	1K6 ohm 1/4W 5%	1
R510	CRD20TJ162T	RES , CARBON	1K6 ohm 1/4W 5%	1
R511	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R512	CRD20TF3302T	RES , CARBON	33K0ohm +1% 1/4W SMALL TYPE	1
R513	CRD20TF1501T	RES , CARBON	1.5K /1/5W /F	1
R514	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R515	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R516	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R517	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R518	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1

Ref. #	Part Number	Description	Value	Qty
	COP12044E	**AVR650EU SURROUND PCB ASS'Y**		**1**
R519	CRD20TJ201T	RES , CARBON	200 OHM 1/5 W	1
R520	CRD20TJ153T	RES , CARBON	15K OHM 1/5W J	1
R521	CRD20TJ153T	RES , CARBON	15K OHM 1/5W J	1
R522	CRD20TJ201T	RES , CARBON	200 OHM 1/5 W	1
R523	CRD20TJ201T	RES , CARBON	200 OHM 1/5 W	1
R524	CRD20TJ201T	RES , CARBON	200 OHM 1/5 W	1
R525	CRD50FJ100T	RES , CARBON	10 ohm 1/2W 5%	1
R526	CRD20TJ101T	RES , CARBON	100 OHM 1/5W J	1
R527	CRD20TJ2R2T	RES , CARBON	2.2 OHM 1/5W J	1
R528	CRD20TJ150T	RES , CARBON	15 OHM 1/5W J	1
R529	CRD20TF2801T	RES , CARBON	2K8 ohm 1/4W 5%	1
R530	CRD20TJ821T	RES , CARBON	820 OHM 1/5W J	1
R533	CRD50FJ100T	RES , CARBON	10 ohm 1/2W 5%	1
R534	CRD20TJ820T	RES , CARBON	82 OHM 1/5W J	1
R535	CRD20TJ150T	RES , CARBON	15 OHM 1/5W J	1
R536	CRD20TJ101T	RES , CARBON	100 OHM 1/5W J	1
R537	CRD20TJ2R2T	RES , CARBON	2.2 OHM 1/5W J	1
R539	CRD20TJ152T	RES , CARBON	1.5K OHM 1/5W J	1
R540	CRD20TJ153T	RES , CARBON	15K OHM 1/5W J	1
R541	CRD20TJ152T	RES , CARBON	1.5K OHM 1/5W J	1
R542	CRD20TJ393T	RES , CARBON	39K ohm 1/4W 5%	1
R543	CRD20TJ100T	RES , CARBON	10 OHM 1/5W J	1
R544	CRD20TJ223T	RES , CARBON	22K OHM 1/5W J	1
R546	CRD20TJ104T	RES , CARBON	100K OHM 1/5W J	1
R599	CRD20TJ100T	RES , CARBON	10 OHM 1/5W J	1
R601	CRD20TJ331T	RES , CARBON	330 OHM 1/5W J	1
R602	CRD20TJ333T	RES , CARBON	33K OHM 1/5W J	1
R604	CRD20TJ433T	RES , CARBON	43K OHM 1/5W J	1
R605	CRD20TJ221T	RES , CARBON	220 OHM 1/5W J	1
R606	CRD20TJ221T	RES , CARBON	220 OHM 1/5W J	1
R607	CRD20TJ221T	RES , CARBON	220 OHM 1/5W J	1
R608	CRD20TJ471T	RES , CARBON	470 OHM 1/5W J	1
R609	CRD20TJ162T	RES , CARBON	1K6 ohm 1/4W 5%	1
R610	CRD20TJ162T	RES , CARBON	1K6 ohm 1/4W 5%	1
R611	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R612	CRD20TF3302T	RES , CARBON	33K0ohm +1% 1/4W SMALL TYPE	1
R613	CRD20TF1501T	RES , CARBON	1.5K /1/5W /F	1
R614	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R615	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R616	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R617	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R618	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R619	CRD20TJ201T	RES , CARBON	200 OHM 1/5 W	1
R620	CRD20TJ153T	RES , CARBON	15K OHM 1/5W J	1
R621	CRD20TJ153T	RES , CARBON	15K OHM 1/5W J	1
R622	CRD20TJ201T	RES , CARBON	200 OHM 1/5 W	1
R623	CRD20TJ201T	RES , CARBON	200 OHM 1/5 W	1
R624	CRD20TJ201T	RES , CARBON	200 OHM 1/5 W	1
R625	CRD50FJ100T	RES , CARBON	10 ohm 1/2W 5%	1
R626	CRD20TJ101T	RES , CARBON	100 OHM 1/5W J	1
R627	CRD20TJ2R2T	RES , CARBON	2.2 OHM 1/5W J	1
R628	CRD20TJ150T	RES , CARBON	15 OHM 1/5W J	1
R629	CRD20TF2801T	RES , CARBON	2K8 ohm 1/4W 5%	1
R630	CRD20TJ821T	RES , CARBON	820 OHM 1/5W J	1
R633	CRD50FJ100T	RES , CARBON	10 ohm 1/2W 5%	1
R634	CRD20TJ820T	RES , CARBON	82 OHM 1/5W J	1
R635	CRD20TJ150T	RES , CARBON	15 OHM 1/5W J	1
R636	CRD20TJ101T	RES , CARBON	100 OHM 1/5W J	1
R637	CRD20TJ2R2T	RES , CARBON	2.2 OHM 1/5W J	1
R639	CRD20TJ152T	RES , CARBON	1.5K OHM 1/5W J	1
R640	CRD20TJ153T	RES , CARBON	15K OHM 1/5W J	1
R641	CRD20TJ152T	RES , CARBON	1.5K OHM 1/5W J	1
R642	CRD20TJ393T	RES , CARBON	39K ohm 1/4W 5%	1
R643	CRD20TJ100T	RES , CARBON	10 OHM 1/5W J	1
R644	CRD20TJ223T	RES , CARBON	22K OHM 1/5W J	1
R646	CRD20TJ104T	RES , CARBON	100K OHM 1/5W J	1
R699	CRD20TJ100T	RES , CARBON	10 OHM 1/5W J	1
R701	CRD20TJ331T	RES , CARBON	330 OHM 1/5W J	1
R702	CRD20TJ333T	RES , CARBON	33K OHM 1/5W J	1
R704	CRD20TJ433T	RES , CARBON	43K OHM 1/5W J	1
R705	CRD20TJ221T	RES , CARBON	220 OHM 1/5W J	1
R706	CRD20TJ221T	RES , CARBON	220 OHM 1/5W J	1
R707	CRD20TJ221T	RES , CARBON	220 OHM 1/5W J	1
R708	CRD20TJ471T	RES , CARBON	470 OHM 1/5W J	1
R709	CRD20TJ162T	RES , CARBON	1K6 ohm 1/4W 5%	1
R710	CRD20TJ162T	RES , CARBON	1K6 ohm 1/4W 5%	1
R711	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R712	CRD20TF3302T	RES , CARBON	33K0ohm +1% 1/4W SMALL TYPE	1
R713	CRD20TF1501T	RES , CARBON	1.5K /1/5W /F	1
R714	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R715	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R716	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R717	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R718	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R719	CRD20TJ201T	RES , CARBON	200 OHM 1/5 W	1
R720	CRD20TJ153T	RES , CARBON	15K OHM 1/5W J	1
Ref. #	**Part Number**	**Description**	**Value**	**Qty**

	COP12044E	**AVR650EU SURROUND PCB ASS'Y**		**1**
R721	CRD20TJ153T	RES , CARBON	15K OHM 1/5W J	1
R722	CRD20TJ201T	RES , CARBON	200 OHM 1/5 W	1
R723	CRD20TJ201T	RES , CARBON	200 OHM 1/5 W	1
R724	CRD20TJ201T	RES , CARBON	200 OHM 1/5 W	1
R725	CRD50FJ100T	RES , CARBON	10 ohm 1/2W 5%	1
R726	CRD20TJ101T	RES , CARBON	100 OHM 1/5W J	1
R727	CRD20TJ2R2T	RES , CARBON	2.2 OHM 1/5W J	1
R728	CRD20TJ150T	RES , CARBON	15 OHM 1/5W J	1
R729	CRD20TF2801T	RES , CARBON	2K8 ohm 1/4W 5%	1
R730	CRD20TJ821T	RES , CARBON	820 OHM 1/5W J	1
R733	CRD50FJ100T	RES , CARBON	10 ohm 1/2W 5%	1
R734	CRD20TJ820T	RES , CARBON	82 OHM 1/5W J	1
R735	CRD20TJ150T	RES , CARBON	15 OHM 1/5W J	1
R736	CRD20TJ101T	RES , CARBON	100 OHM 1/5W J	1
R737	CRD20TJ2R2T	RES , CARBON	2.2 OHM 1/5W J	1
R739	CRD20TJ152T	RES , CARBON	1.5K OHM 1/5W J	1
R740	CRD20TJ153T	RES , CARBON	15K OHM 1/5W J	1
R741	CRD20TJ152T	RES , CARBON	1.5K OHM 1/5W J	1
R742	CRD20TJ393T	RES , CARBON	39K ohm 1/4W 5%	1
R743	CRD20TJ100T	RES , CARBON	10 OHM 1/5W J	1
R744	CRD20TJ223T	RES , CARBON	22K OHM 1/5W J	1
R746	CRD20TJ104T	RES , CARBON	100K OHM 1/5W J	1
R799	CRD20TJ100T	RES , CARBON	10 OHM 1/5W J	1
R805	CRD20TJ103T	RES , CARBON	10K OHM 1/5W J	1
R806	CRD20TJ103T	RES , CARBON	10K OHM 1/5W J	1
R807	CRD20TJ471T	RES , CARBON	470 OHM 1/5W J	1
R808	CRD20TJ101T	RES , CARBON	100 OHM 1/5W J	1
R901	CRD20TJ103T	RES , CARBON	10K OHM 1/5W J	1
R902	CRD20TJ393T	RES , CARBON	39K ohm 1/4W 5%	1
	CTB3+8JFZR	SCREW		1
	CTW3+8JR	SCREW		5
C501	CCEA1JH471E	CAP , ELECT	470uF 63V +20% 85C	1
C502	CCEA1JH471E	CAP , ELECT	470uF 63V +20% 85C	1
C601	CCEA1JH471E	CAP , ELECT	470uF 63V +20% 85C	1
C602	CCEA1JH471E	CAP , ELECT	470uF 63V +20% 85C	1
C701	CCEA1JH471E	CAP , ELECT	470uF 63V +20% 85C	1
C702	CCEA1JH471E	CAP , ELECT	470uF 63V +20% 85C	1
C800	CCEA1CH682E	CAP , ELECT	6800uF 16V M 16x25 85C 120Hz	1
C804	CCEA1EH222E	CAP , ELECT	2200UF 25V	1
C806	CCEA1CH682E	CAP , ELECT	6800uF 16V M 16x25 85C 120Hz	1
C813	CCEA1CH682E	CAP , ELECT	6800uF 16V M 16x25 85C 120Hz	1
C814	CCEA1CH682E	CAP , ELECT	6800uF 16V M 16x25 85C 120Hz	1
C815	CCEA1EH222E	CAP , ELECT	2200UF 25V	1
C816	CCFT1H104ZF	CAP , SEMICONDUCTOR	0.1UF 50V Z	1
C817	CCFT1H104ZF	CAP , SEMICONDUCTOR	0.1UF 50V Z	1
JA901	CJJ5R014Z	TERMINAL , SPEAKER (6P, GN/BN/TA, SCREW , AU)	SH061Q707G, DONGBO	1
L501	CLEY0R5KAK	COIL , SPEAKER	0.5UH K	1
L601	CLEY0R5KAK	COIL , SPEAKER	0.5UH K	1
L701	CLEY0R5KAK	COIL , SPEAKER	0.5UH K	1
N501	CWB1E007300BM	7P WIRE ASS'Y(300MM, 2.5MM)		1
N502	CWBAVR755N502	6P WIRE ASS'Y(120MM, 3.96MM)		1
N503	CJP03GA90ZY	WAFER	35313-0310 3.96mm 3P	1
N505	CWBAVR755N505	10P WIRE ASS'Y(250MM, 2.0MM)		1
P501	CJP02GB03ZY	WAFER , 2P(2.5MM BOARD TYPE)	YEONHO YM025 SERIES	1
P506	CJP03GA47ZW	WAFER(3P, ST 2MM)	GIL-S-3P-S2T2-EF 3P	1
P601	CJP02GB03ZY	WAFER , 2P(2.5MM BOARD TYPE)	YEONHO YM025 SERIES	1
P701	CJP02GB03ZY	WAFER , 2P(2.5MM BOARD TYPE)	YEONHO YM025 SERIES	1
Q513	HVTKTC3423Y	T.R , PRE DRIVE	KTC3423Y	1
Q515	HVTKTA1360Y	T.R , PRE DRIVE	KTA1360Y	1
Q613	HVTKTC3423Y	T.R , PRE DRIVE	KTC3423Y	1
Q615	HVTKTA1360Y	T.R , PRE DRIVE	KTA1360Y	1
Q713	HVTKTC3423Y	T.R , PRE DRIVE	KTC3423Y	1
Q715	HVTKTA1360Y	T.R , PRE DRIVE	KTA1360Y	1
R538	CRF5EKR22HX2	RES , CEMENT	0.22OHM(*2), 5W	1
R545	CRG1ANJ100H	RES , METAL OXIDE FILM	10 OHM 1W J	1
R638	CRF5EKR22HX2	RES , CEMENT	0.22OHM(*2), 5W	1
R645	CRG1ANJ100H	RES , METAL OXIDE FILM	10 OHM 1W J	1
R738	CRF5EKR22HX2	RES , CEMENT	0.22OHM(*2), 5W	1
R745	CRG1ANJ100H	RES , METAL OXIDE FILM	10 OHM 1W J	1
VR501	CVN3RE221B02	RES , SEMI FIXED METAL(220 OHM, B CURVE, 6.4X7.3)	EVMEGGA00BE2	1
VR601	CVN3RE221B02	RES , SEMI FIXED METAL(220 OHM, B CURVE, 6.4X7.3)	EVMEGGA00BE2	1
VR701	CVN3RE221B02	RES , SEMI FIXED METAL(220 OHM, B CURVE, 6.4X7.3)	EVMEGGA00BE2	1
W900	CWBAVR755W900	2P WIRE ASS'Y(230MM, 3.96MM)		1

Ref. #	**Part Number**	**Description**	**Value**	**Qty**
	COP12038E	**AVR660EU DSP PCB ASS'Y**		
BD4012	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4014	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)		1
BD4016	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)		1
BD4017	CLZ91002Z	FERRITE , CHIP BEAD(120ohm, 3216)	HCB3216KF-121T50	1
BD4020	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4021	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4025	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4033	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1

Ref. #	Part Number	Description	Value	Qty
	COP12038E	**AVR660EU DSP PCB ASS'Y**		
BD4034	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4035	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4036	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4037	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4038	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4039	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4040	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4041	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4042	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4043	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4046	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4047	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4048	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4049	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4050	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
C4041	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4050	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4099	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4192	CCSJB1A220B	CAP , CHIP TANTAL(B TYPE, 22uF/10V, ELNA)		1
C4194	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4195	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4196	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4197	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4198	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4199	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4200	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4201	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4202	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4203	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4204	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4205	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4209	CCUS1H220JA	CAP , CHIP (1608, 50V/22pF)	22PF 50V J	1
C4210	CCUS1H220JA	CAP , CHIP (1608, 50V/22pF)	22PF 50V J	1
C4211	CCUS1H220JA	CAP , CHIP (1608, 50V/22pF)	22PF 50V J	1
C4212	CCUS1H220JA	CAP , CHIP (1608, 50V/22pF)	22PF 50V J	1
C4214	CCUS1H103KC	CAP , CHIP (1608, 50V/0.01uF)	0.01UF 50V K	1
C4216	CCUS1H103KC	CAP , CHIP (1608, 50V/0.01uF)	0.01UF 50V K	1
C4217	CCUS1H103KC	CAP , CHIP (1608, 50V/0.01uF)	0.01UF 50V K	1
C4218	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4219	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4220	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4221	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4222	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4223	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4224	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4225	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4233	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4235	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4237	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4238	CCUS1H221JA	CAP , CHIP (1608, 50V/220pF)	220PF 50V J	1
C4257	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4258	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4281	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4284	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4285	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4287	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4288	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4289	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4290	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4293	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4299	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4300	CCUS1H392KC	CAP , CHIP (1608, 50V/3900pF)	3900PF 50V K	1
C4301	CCUS1H561JA	CAP , CHIP (1608, 50V/560pF)	560PF 50V J	1
C4302	CCUS1H220JA	CAP , CHIP (1608, 50V/22pF)	22PF 50V J	1
C4304	CCUS1H392KC	CAP , CHIP (1608, 50V/3900pF)	3900PF 50V K	1
C4305	CCUS1H561JA	CAP , CHIP (1608, 50V/560pF)	560PF 50V J	1
C4306	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4307	CCUS1H392KC	CAP , CHIP (1608, 50V/3900pF)	3900PF 50V K	1
C4308	CCUS1H561JA	CAP , CHIP (1608, 50V/560pF)	560PF 50V J	1
C4309	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4310	CCUS1H392KC	CAP , CHIP (1608, 50V/3900pF)	3900PF 50V K	1
C4311	CCUS1H561JA	CAP , CHIP (1608, 50V/560pF)	560PF 50V J	1
C4312	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4313	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4314	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4315	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4316	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4317	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4318	CCUS1H392KC	CAP , CHIP (1608, 50V/3900pF)	3900PF 50V K	1
C4319	CCUS1H561JA	CAP , CHIP (1608, 50V/560pF)	560PF 50V J	1
C4320	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4321	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4322	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4323	CCUS1H392KC	CAP , CHIP (1608, 50V/3900pF)	3900PF 50V K	1
C4324	CCUS1H561JA	CAP , CHIP (1608, 50V/560pF)	560PF 50V J	1

Ref. #	Part Number	Description	Value	Qty
	COP12038E	**AVR660EU DSP PCB ASS'Y**		
C4325	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4327	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4328	CCSNA1C100B	CAP , CHIP TANTAL(10uF/16V, NingXia XingRi)	XRCA45 XXX M XXX AT	1
C4329	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4331	CCUS1H392KC	CAP , CHIP (1608, 50V/3900pF)	3900PF 50V K	1
C4332	CCUS1H561JA	CAP , CHIP (1608, 50V/560pF)	560PF 50V J	1
C4333	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4334	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4335	CCUS1H392KC	CAP , CHIP (1608, 50V/3900pF)	3900PF 50V K	1
C4336	CCUS1H561JA	CAP , CHIP (1608, 50V/560pF)	560PF 50V J	1
C4337	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4338	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4339	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4340	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4341	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4342	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4343	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4344	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4345	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4346	CCUS1H392KC	CAP , CHIP (1608, 50V/3900pF)	3900PF 50V K	1
C4347	CCUS1H561JA	CAP , CHIP (1608, 50V/560pF)	560PF 50V J	1
C4348	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4349	CCUS1A105KC	CAP , CHIP (1608, 10V/1uF)	1UF 10V K	1
C4350	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4351	CCUS1H102KC	CAP , CHIP (1608, 50V/1000pF)	1000PF 50V K	1
C4352	CCUS1H392KC	CAP , CHIP (1608, 50V/3900pF)	3900PF 50V K	1
C4353	CCUS1H561JA	CAP , CHIP (1608, 50V/560pF)	560PF 50V J	1
C4354	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4355	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4356	CCSJB1A220B	CAP , CHIP TANTAL(B TYPE, 22uF/10V, ELNA)		1
C4357	CCUS1H103KC	CAP , CHIP (1608, 50V/0.01uF)	0.01UF 50V K	1
C4358	CCUS1H103KC	CAP , CHIP (1608, 50V/0.01uF)	0.01UF 50V K	1
C4359	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4360	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4361	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4362	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4363	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4364	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4365	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4366	CCUS1H103KC	CAP , CHIP (1608, 50V/0.01uF)	0.01UF 50V K	1
C4367	CCUS1H272KC	CAP , CHIP (1608, 50V/2700pF)	2700PF 50V K	1
C4368	CCUS1H821JA	CAP , CHIP (1608, 50V/820pF)	820PF 50V J	1
C4369	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4370	CCUS1H272KC	CAP , CHIP (1608, 50V/2700pF)	2700PF 50V K	1
C4371	CCUS1H821JA	CAP , CHIP (1608, 50V/820pF)	820PF 50V J	1
C4372	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4373	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4374	CCUC1H104KC	CHIP, CAP 0.1UF/50V/2012		1
C4375	CCUS1A105KC	CAP , CHIP (1608, 10V/1uF)	1UF 10V K	1
C4376	CCUS1H392KC	CAP , CHIP (1608, 50V/3900pF)	3900PF 50V K	1
C4377	CCUS1H561JA	CAP , CHIP (1608, 50V/560pF)	560PF 50V J	1
C4378	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4379	CCUS1H103KC	CAP , CHIP (1608, 50V/0.01uF)	0.01UF 50V K	1
C4381	CCUC1H104KC	CHIP, CAP 0.1UF/50V/2012		1
C4382	CCUS1H392KC	CAP , CHIP (1608, 50V/3900pF)	3900PF 50V K	1
C4383	CCUS1H561JA	CAP , CHIP (1608, 50V/560pF)	560PF 50V J	1
C4384	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4385	CCSNA1C100B	CAP , CHIP TANTAL(10uF/16V, NingXia XingRi)	XRCA45 XXX M XXX AT	1
C4386	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4387	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4388	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4389	CCUS1H392KC	CAP , CHIP (1608, 50V/3900pF)	3900PF 50V K	1
C4390	CCUS1H561JA	CAP , CHIP (1608, 50V/560pF)	560PF 50V J	1
C4391	CCUS1H561JA	CAP , CHIP (1608, 50V/560pF)	560PF 50V J	1
C4392	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4393	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4394	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4395	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4396	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4397	CCUS1H392KC	CAP , CHIP (1608, 50V/3900pF)	3900PF 50V K	1
C4398	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4399	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4400	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4401	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4402	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4403	CCUS1H330JA	CAP , CHIP (1608, 50V/33pF)	33PF 50V J	1
C4404	CCUS1H330JA	CAP , CHIP (1608, 50V/33pF)	33PF 50V J	1
C4406	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4407	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4408	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4409	CCUS1H220JA	CAP , CHIP (1608, 50V/22pF)	22PF 50V J	1
C4410	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4411	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4412	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4413	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4414	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1

Ref. #	Part Number	Description	Value	Qty
	COP12038E	**AVR660EU DSP PCB ASS'Y**		
C4415	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4416	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4417	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4418	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4419	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4420	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4421	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4422	CCUS1H272KC	CAP , CHIP (1608, 50V/2700pF)	2700PF 50V K	1
C4423	CCUS1H471JA	CAP , CHIP (1608, 50V/470pF)	470PF 50V J	1
C4424	CCSNA1C100B	CAP , CHIP TANTAL(10uF/16V, NingXia XingRi)	XRCA45 XXX M XXX AT	1
C4425	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4426	CCUS1H272KC	CAP , CHIP (1608, 50V/2700pF)	2700PF 50V K	1
C4427	CCUS1H471JA	CAP , CHIP (1608, 50V/470pF)	470PF 50V J	1
C4428	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4429	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4430	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4431	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4432	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4433	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4434	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4435	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4436	CCUS1H272KC	CAP , CHIP (1608, 50V/2700pF)	2700PF 50V K	1
C4437	CCUS1H471JA	CAP , CHIP (1608, 50V/470pF)	470PF 50V J	1
C4438	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4439	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4440	CCUS1H272KC	CAP , CHIP (1608, 50V/2700pF)	2700PF 50V K	1
C4441	CCUS1H471JA	CAP , CHIP (1608, 50V/470pF)	470PF 50V J	1
C4442	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4443	CCUS1A105KC	CAP , CHIP (1608, 10V/1uF)	1UF 10V K	1
C4444	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4445	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4446	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4447	CCSJB1A220B	CAP , CHIP TANTAL(B TYPE, 22uF/10V, ELNA)		1
C4448	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4449	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4451	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4452	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4453	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4454	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4455	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4456	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4457	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4458	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4460	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4461	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4462	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4463	CCUS1A105KC	CAP , CHIP (1608, 10V/1uF)	1UF 10V K	1
C4468	CCSNA1C100B	CAP , CHIP TANTAL(10uF/16V, NingXia XingRi)	XRCA45 XXX M XXX AT	1
C4472	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4473	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4478	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4481	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4482	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4483	CCUS1H272KC	CAP , CHIP (1608, 50V/2700pF)	2700PF 50V K	1
C4484	CCUS1H471JA	CAP , CHIP (1608, 50V/470pF)	470PF 50V J	1
C4485	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4486	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4487	CCUS1H272KC	CAP , CHIP (1608, 50V/2700pF)	2700PF 50V K	1
C4488	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4489	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4490	CCUS1H471JA	CAP , CHIP (1608, 50V/470pF)	470PF 50V J	1
C4492	CCUS1H272KC	CAP , CHIP (1608, 50V/2700pF)	2700PF 50V K	1
C4493	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4494	CCUS1H272KC	CAP , CHIP (1608, 50V/2700pF)	2700PF 50V K	1
C4495	CCUS1H471JA	CAP , CHIP (1608, 50V/470pF)	470PF 50V J	1
C4496	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4497	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4498	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4499	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4500	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4501	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4502	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4503	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4504	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4505	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4506	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4507	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4508	CCUS1H330JA	CAP , CHIP (1608, 50V/33pF)	33PF 50V J	1
C4509	CCUS1H330JA	CAP , CHIP (1608, 50V/33pF)	33PF 50V J	1
C4510	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4511	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4512	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4513	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4514	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4516	CCUS1H470JA	CAP , CHIP (1608, 50V/47pF)	47PF 50V J	1

Ref. #	Part Number	Description	Value	Qty
	COP12038E	**AVR660EU DSP PCB ASS'Y**		
C4517	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4518	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4519	CCUS1H470JA	CAP , CHIP (1608, 50V/47pF)	47PF 50V J	1
C4520	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4521	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4522	CCUS1H102KC	CAP , CHIP (1608, 50V/1000pF)	1000PF 50V K	1
C4523	CCUS1H102KC	CAP , CHIP (1608, 50V/1000pF)	1000PF 50V K	1
C4524	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4525	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4527	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4528	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4529	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4530	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4531	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
D4003	CVD1SS355T	DIODE , CHIP , SWITCHING		1
D4004	CVD1SS355T	DIODE , CHIP , SWITCHING		1
D4005	CVD1SS355T	DIODE , CHIP , SWITCHING		1
D4010	CVD1SS355T	DIODE , CHIP , SWITCHING		1
D4011	CVD1SS355T	DIODE , CHIP , SWITCHING		1
D4012	CVD1SS355T	DIODE , CHIP , SWITCHING		1
D4013	CVD1SS355T	DIODE , CHIP , SWITCHING		1
IC4047	CVISN74LVC1G125DBVR	I.C , SINGLE BUS BUFFER GATE SOT(SOT-23)DBV		1
IC4048	CVISN74LVC1G125DBVR	I.C , SINGLE BUS BUFFER GATE SOT(SOT-23)DBV		1
IC4050	CVISN74LVC1G17DBVR	I.C , SINGLE SCHMITT BUFFER SOT(SOT-23)DBV		1
IC4051	CVISN74LVC1G17DBVR	I.C , SINGLE SCHMITT BUFFER SOT(SOT-23)DBV		1
IC4052	HVINJM2068MDTE1	I.C , OP AMP (JRC)	NJM2068MD-TE1	1
IC4053	HVINJM2068MDTE1	I.C , OP AMP (JRC)	NJM2068MD-TE1	1
IC4055	CVIBU4094BCF	I.C , CMOS SOP-16		1
IC4060	CVIPC17K1CTN	I.C , PHOTO COUPLER CHIP , PC17K1CTN	PC17K1CTN , KODENSHI	1
IC4062	CVISN74LV125APWR	I.C , QUAD BUS BUFFER TSSOP-14		1
L4005	CLQ10E100MRY	COIL , CHIP(10UH, 3226)	MIP3226D100M	1
L4006	CLQ10E100MRY	COIL , CHIP(10UH, 3226)	MIP3226D100M	1
Q4005	HVTKRC107S	T.R , CHIP , SOT-23		1
Q4007	HVTKRC107S	T.R , CHIP , SOT-23		1
Q4009	HVTKRC107S	T.R , CHIP , SOT-23		1
Q4013	HVTKRC107S	T.R , CHIP , SOT-23		1
Q4014	HVTKRC107S	T.R , CHIP , SOT-23		1
Q4015	HVTKRC107S	T.R , CHIP , SOT-23		1
Q4016	HVTKRC107S	T.R , CHIP , SOT-23		1
Q4019	HVTKRC107S	T.R , CHIP , SOT-23		1
Q4020	HVTKRC107S	T.R , CHIP , SOT-23		1
R4010	CRJ10DJ0R0T	RES , CHIP(0 OHM , 5% , 1608)	1608 SIZE	1
R4011	CRJ10DJ0R0T	RES , CHIP(0 OHM , 5% , 1608)	1608 SIZE	1
R4012	CRJ10DJ0R0T	RES , CHIP(0 OHM , 5% , 1608)	1608 SIZE	1
R4158	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4175	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4176	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4177	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4184	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4194	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4197	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4198	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4216	CRJ10DJ823T	RES , CHIP(82K OHM , 5% , 1608)		1
R4217	CRJ10DJ823T	RES , CHIP(82K OHM , 5% , 1608)		1
R4218	CRJ10DJ823T	RES , CHIP(82K OHM , 5% , 1608)		1
R4219	CRJ10DJ823T	RES , CHIP(82K OHM , 5% , 1608)		1
R4220	CRJ10DJ823T	RES , CHIP(82K OHM , 5% , 1608)		1
R4221	CRJ10DJ823T	RES , CHIP(82K OHM , 5% , 1608)		1
R4222	CRJ10DJ823T	RES , CHIP(82K OHM , 5% , 1608)		1
R4223	CRJ10DJ823T	RES , CHIP(82K OHM , 5% , 1608)		1
R4230	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4231	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4232	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4239	CRJ10DJ750T	RES , CHIP(75 OHM , 5% , 1608)	1608 SIZE	1
R4240	CRJ10DJ750T	RES , CHIP(75 OHM , 5% , 1608)	1608 SIZE	1
R4241	CRJ10DJ750T	RES , CHIP(75 OHM , 5% , 1608)	1608 SIZE	1
R4242	CRJ10DJ821T	RES , CHIP(820 OHM , 5% , 1608)	1608 SIZE	1
R4243	CRJ10DJ821T	RES , CHIP(820 OHM , 5% , 1608)	1608 SIZE	1
R4244	CRJ10DJ332T	RES , CHIP(3.3K OHM , 5% , 1608)	1608 SIZE	1
R4245	CRJ10DJ821T	RES , CHIP(820 OHM , 5% , 1608)	1608 SIZE	1
R4246	CRJ10DJ821T	RES , CHIP(820 OHM , 5% , 1608)	1608 SIZE	1
R4247	CRJ10DJ821T	RES , CHIP(820 OHM , 5% , 1608)	1608 SIZE	1
R4248	CRJ10DJ821T	RES , CHIP(820 OHM , 5% , 1608)	1608 SIZE	1
R4249	CRJ10DJ821T	RES , CHIP(820 OHM , 5% , 1608)	1608 SIZE	1
R4252	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4253	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4254	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4255	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4256	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4257	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4258	CRJ10DJ682T	RES , CHIP(6.8K OHM , 5% , 1608)	1608 SIZE	1
R4259	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4260	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4261	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4262	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4263	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1

Ref. #	Part Number	Description	Value	Qty
	COP12038E	**AVR660EU DSP PCB ASS'Y**		
R4267	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4279	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4280	CRJ10DJ152T	RES , CHIP(1.5K OHM , 5% , 1608)	1608 SIZE	1
R4281	CRJ10DJ153T	RES , CHIP(15K OHM , 5% , 1608)		1
R4293	CRJ10DJ152T	RES , CHIP(1.5K OHM , 5% , 1608)	1608 SIZE	1
R4294	CRJ10DJ152T	RES , CHIP(1.5K OHM , 5% , 1608)	1608 SIZE	1
R4296	CRJ10DJ0R0T	RES , CHIP(0 OHM , 5% , 1608)	1608 SIZE	1
R4297	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4298	CRJ10DJ153T	RES , CHIP(15K OHM , 5% , 1608)		1
R4299	CRJ10DJ153T	RES , CHIP(15K OHM , 5% , 1608)		1
R4308	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4309	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4312	CRJ10DJ0R0T	RES , CHIP(0 OHM , 5% , 1608)	1608 SIZE	1
R4313	CRJ10DJ271T	RES , CHIP(270 OHM , 5% , 1608)	1608 SIZE	1
R4314	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4315	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4332	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4333	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4337	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4343	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4344	CRJ10DJ220T	RES , CHIP(22 OHM , 5% , 1608)	1608 SIZE	1
R4345	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4346	CRJ10DJ220T	RES , CHIP(22 OHM , 5% , 1608)	1608 SIZE	1
R4350	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4351	CRJ10DJ220T	RES , CHIP(22 OHM , 5% , 1608)	1608 SIZE	1
R4356	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4357	CRJ10DJ220T	RES , CHIP(22 OHM , 5% , 1608)	1608 SIZE	1
R4358	CRJ18AJ101T	RES , CHIP , 100 OHM, 5% , 1/8W , 2012		1
R4359	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4360	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4361	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4362	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4363	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4364	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4365	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4366	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4367	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4368	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4369	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4371	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4373	CRJ18AJ101T	RES , CHIP , 100 OHM, 5% , 1/8W , 2012		1
R4374	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4375	CRJ10DJ220T	RES , CHIP(22 OHM , 5% , 1608)	1608 SIZE	1
R4376	CRJ10DJ220T	RES , CHIP(22 OHM , 5% , 1608)	1608 SIZE	1
R4377	CRJ10DJ220T	RES , CHIP(22 OHM , 5% , 1608)	1608 SIZE	1
R4378	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4379	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4383	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4384	CRJ10DJ562T	RES , CHIP(5.6K OHM , 5% , 1608)	1608 SIZE	1
R4385	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4386	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4387	CRJ10DJ473T	RES , CHIP(47K OHM , 5% , 1608)	1608 SIZE	1
R4388	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4389	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4390	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4391	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4392	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4393	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4394	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4396	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4397	CRJ10DJ562T	RES , CHIP(5.6K OHM , 5% , 1608)	1608 SIZE	1
R4398	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4399	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4400	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4402	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4403	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4404	CRJ10DJ562T	RES , CHIP(5.6K OHM , 5% , 1608)	1608 SIZE	1
R4405	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4406	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4407	CRJ10DJ680T	RES , CHIP(68 OHM , 5% , 1608)		1
R4408	CRJ104DJ330T	RES , CHIP , 33 OHM, 5% , 1608 X 4	33 OHM/1608*4	1
R4409	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4410	CRJ104DJ330T	RES , CHIP , 33 OHM, 5% , 1608 X 4	33 OHM/1608*4	1
R4411	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4412	CRJ10DJ562T	RES , CHIP(5.6K OHM , 5% , 1608)	1608 SIZE	1
R4413	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4414	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4418	CRJ10DJ473T	RES , CHIP(47K OHM , 5% , 1608)	1608 SIZE	1
R4419	CRJ104DJ330T	RES , CHIP , 33 OHM, 5% , 1608 X 4	33 OHM/1608*4	1
R4420	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4422	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4423	CRJ10DJ562T	RES , CHIP(5.6K OHM , 5% , 1608)	1608 SIZE	1
R4424	CRJ104DJ330T	RES , CHIP , 33 OHM, 5% , 1608 X 4	33 OHM/1608*4	1
R4425	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4426	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1

Ref. #	Part Number	Description	Value	Qty
	COP12038E	**AVR660EU DSP PCB ASS'Y**		
R4427	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4428	CRJ10DJ330T	RES , CHIP(33 OHM , 5% , 1608)	1608 SIZE	1
R4429	CRJ10DF1000T	RES , CHIP(1608, 1% , 100 OHM)		1
R4430	CRJ10DJ121T	RES , CHIP(120 OHM , 5% , 1608)	1608 SIZE	1
R4431	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4432	CRJ10DJ473T	RES , CHIP(47K OHM , 5% , 1608)	1608 SIZE	1
R4433	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4434	CRJ10DJ183T	RES , CHIP(18K OHM , 5% , 1608)	1608 SIZE	1
R4435	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4436	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4437	CRJ10DJ183T	RES , CHIP(18K OHM , 5% , 1608)	1608 SIZE	1
R4438	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4439	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4440	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4441	CRJ10DJ4R7T	RES , CHIP(4.7 OHM , 5% , 1608)	1608 SIZE	1
R4442	CRJ10DJ471T	RES , CHIP(470 OHM , 5% , 1608)	1608 SIZE	1
R4443	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4444	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4445	CRJ10DJ562T	RES , CHIP(5.6K OHM , 5% , 1608)	1608 SIZE	1
R4446	CRJ18AJ101T	RES , CHIP , 100 OHM, 5% , 1/8W , 2012		1
R4447	CRJ10DJ153T	RES , CHIP(15K OHM , 5% , 1608)		1
R4448	CRJ10DJ222T	RES , CHIP(2.2K OHM , 5% , 1608)	1608 SIZE	1
R4449	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4450	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4451	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4452	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4453	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4454	CRJ10DJ473T	RES , CHIP(47K OHM , 5% , 1608)	1608 SIZE	1
R4455	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4456	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4457	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4458	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4459	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4460	CRJ10DJ101T	RES , CHIP(100 OHM , 5% , 1608)	1608 SIZE	1
R4461	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4462	CRJ10DJ562T	RES , CHIP(5.6K OHM , 5% , 1608)	1608 SIZE	1
R4463	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4464	CRJ10DJ101T	RES , CHIP(100 OHM , 5% , 1608)	1608 SIZE	1
R4465	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4466	CRJ10DJ153T	RES , CHIP(15K OHM , 5% , 1608)		1
R4467	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4468	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4469	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4470	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4471	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4473	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4474	CRJ10DJ222T	RES , CHIP(2.2K OHM , 5% , 1608)	1608 SIZE	1
R4475	CRJ10DJ222T	RES , CHIP(2.2K OHM , 5% , 1608)	1608 SIZE	1
R4476	CRJ10DJ473T	RES , CHIP(47K OHM , 5% , 1608)	1608 SIZE	1
R4477	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4478	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4479	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4480	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4481	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4482	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4483	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4485	CRJ10DJ473T	RES , CHIP(47K OHM , 5% , 1608)	1608 SIZE	1
R4486	CRJ10DJ101T	RES , CHIP(100 OHM , 5% , 1608)	1608 SIZE	1
R4487	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4488	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4489	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4490	CRJ104DJ330T	RES , CHIP , 33 OHM, 5% , 1608 X 4	33 OHM/1608*4	1
R4491	CRJ10DJ202T	RES , CHIP(2K OHM , 5% , 1608)		1
R4492	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4493	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4494	CRJ10DJ202T	RES , CHIP(2K OHM , 5% , 1608)		1
R4495	CRJ10DJ561T	RES , CHIP(560 OHM , 5% , 1608)		1
R4496	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4497	CRJ104DJ330T	RES , CHIP , 33 OHM, 5% , 1608 X 4	33 OHM/1608*4	1
R4498	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4499	CRJ104DJ330T	RES , CHIP , 33 OHM, 5% , 1608 X 4	33 OHM/1608*4	1
R4500	CRJ10DJ202T	RES , CHIP(2K OHM , 5% , 1608)		1
R4501	CRJ10DJ561T	RES , CHIP(560 OHM , 5% , 1608)		1
R4502	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4503	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4504	CRJ10DJ202T	RES , CHIP(2K OHM , 5% , 1608)		1
R4505	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4506	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4507	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4508	CRJ104DJ330T	RES , CHIP , 33 OHM, 5% , 1608 X 4	33 OHM/1608*4	1
R4510	CRJ18AJ101T	RES , CHIP , 100 OHM, 5% , 1/8W , 2012		1
R4511	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4512	CRJ10DJ330T	RES , CHIP(33 OHM , 5% , 1608)	1608 SIZE	1
R4513	CRJ10DJ121T	RES , CHIP(120 OHM , 5% , 1608)	1608 SIZE	1
R4514	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4515	CRJ10DJ4R7T	RES , CHIP(4.7 OHM , 5% , 1608)	1608 SIZE	1

Ref. #	Part Number	Description	Value	Qty
	COP12038E	**AVR660EU DSP PCB ASS'Y**		
R4516	CRJ18AJ101T	RES , CHIP , 100 OHM, 5% , 1/8W , 2012		1
R4517	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4518	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4520	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4521	CRJ10DJ471T	RES , CHIP(470 OHM , 5% , 1608)	1608 SIZE	1
R4530	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4531	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4539	CRJ18AJ101T	RES , CHIP , 100 OHM, 5% , 1/8W , 2012		1
R4541	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4542	CRJ10DJ561T	RES , CHIP(560 OHM , 5% , 1608)		1
R4543	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4544	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4545	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4546	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4547	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4548	CRJ10DJ561T	RES , CHIP(560 OHM , 5% , 1608)		1
R4549	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4550	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4551	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4552	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4553	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4554	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4555	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4556	CRJ10DJ392T	RES , CHIP(3.9K OHM , 5% , 1608)		1
R4558	CRJ10DJ473T	RES , CHIP(47K OHM , 5% , 1608)	1608 SIZE	1
R4559	CRJ10DJ0R0T	RES , CHIP(0 OHM , 5% , 1608)	1608 SIZE	1
R4560	CRJ10DJ0R0T	RES , CHIP(0 OHM , 5% , 1608)	1608 SIZE	1
R4561	CRJ10DJ474T	RES , CHIP(470K OHM , 5% , 1608)	1608 SIZE	1
R4562	CRJ10DJ101T	RES , CHIP(100 OHM , 5% , 1608)	1608 SIZE	1
R4563	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4564	CRJ10DJ0R0T	RES , CHIP(0 OHM , 5% , 1608)	1608 SIZE	1
R4565	CRJ10DJ0R0T	RES , CHIP(0 OHM , 5% , 1608)	1608 SIZE	1
R4566	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4568	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4569	CRJ10DJ222T	RES , CHIP(2.2K OHM , 5% , 1608)	1608 SIZE	1
R4570	CRJ10DJ222T	RES , CHIP(2.2K OHM , 5% , 1608)	1608 SIZE	1
R4571	CRJ10DJ222T	RES , CHIP(2.2K OHM , 5% , 1608)	1608 SIZE	1
R4575	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4578	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4579	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4580	CRJ10DJ222T	RES , CHIP(2.2K OHM , 5% , 1608)	1608 SIZE	1
R4581	CRJ10DJ222T	RES , CHIP(2.2K OHM , 5% , 1608)	1608 SIZE	1
R4582	CRJ10DJ221T	RES , CHIP(220 OHM , 5% , 1608)	1608 SIZE	1
R4583	CRJ10DJ221T	RES , CHIP(220 OHM , 5% , 1608)	1608 SIZE	1
R4584	CRJ10DJ221T	RES , CHIP(220 OHM , 5% , 1608)	1608 SIZE	1
R4586	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
	CIP12038ETSMD	AVR650EU DSP PCB TOP SMD ASS'Y		1
	CUP12304Z	PCB , DSP AVR660/760(228*188, FR4/4)		1
BD4000	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4003	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4004	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4006	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4007	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4008	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4010	CLZ9R013Z	BEAD , FERRITE(HCB2012KF-151T20 150ohm)		1
BD4011	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4013	CLZ9R013Z	BEAD , FERRITE(HCB2012KF-151T20 150ohm)		1
BD4015	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4029	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
C4025	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4059	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4085	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4086	CCSJB1A220B	CAP , CHIP TANTAL(B TYPE, 22uF/10V, ELNA)		1
C4088	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4089	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4091	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4092	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4094	CCSNA1C100B	CAP , CHIP TANTAL(10uF/16V, NingXia XingRi)	XRCA45 XXX M XXX AT	1
C4095	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4098	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4100	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4101	CCUC1H223KC	CAP , CHIP (0.022UF/50V B K X7R 2012)		1
C4103	CCUS1H103KC	CAP , CHIP (1608, 50V/0.01uF)	0.01UF 50V K	1
C4104	CCUC1H102KC	CAP , CHIP		1
C4108	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4109	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4114	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4116	CCSJB1A220B	CAP , CHIP TANTAL(B TYPE, 22uF/10V, ELNA)		1
C4117	CCUS1H330JA	CAP , CHIP (1608, 50V/33pF)	33PF 50V J	1
C4118	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4125	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4127	CCUS1H102KC	CAP , CHIP (1608, 50V/1000pF)	1000PF 50V K	1
C4128	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4129	CCUS1H471JA	CAP , CHIP (1608, 50V/470pF)	470PF 50V J	1
C4130	CCUS1H080DA	CAP , CHIP (1608, 50V/8pF)	8PF 50V D	1

Ref. #	Part Number	Description	Value	Qty
	COP12038E	**AVR660EU DSP PCB ASS'Y**		
C4131	CCUS1H080DA	CAP , CHIP (1608, 50V/8pF)	8PF 50V D	1
C4132	CCUS1H471JA	CAP , CHIP (1608, 50V/470pF)	470PF 50V J	1
C4133	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4134	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4135	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4136	CCSJB1A220B	CAP , CHIP TANTAL(B TYPE, 22uF/10V, ELNA)		1
C4137	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4138	CCUS1H102KC	CAP , CHIP (1608, 50V/1000pF)	1000PF 50V K	1
C4140	CCSNA1C100B	CAP , CHIP TANTAL(10uF/16V, NingXia XingRi)	XRCA45 XXX M XXX AT	1
C4145	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4146	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4147	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4148	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4149	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4151	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4154	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4159	CCSJB1A220B	CAP , CHIP TANTAL(B TYPE, 22uF/10V, ELNA)		1
C4164	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4179	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4180	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4183	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4231	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4234	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4259	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4294	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4477	CCUS1H471JA	CAP , CHIP (1608, 50V/470pF)	470PF 50V J	1
C4491	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
D4001	CVD1SS355T	DIODE , CHIP , SWITCHING		1
D4002	CVD1SS355T	DIODE , CHIP , SWITCHING		1
D4009	CVD1SS355T	DIODE , CHIP , SWITCHING		1
IC4005	HVI74HCU04AFNG	I.C , INVERTER (TOSHIBA)	TC74HCU04AFNG(TOSHIBA)	1
IC4015	CVIXC9572XL-5VQG64C	I.C HIGH PERFO- CPLD VQG-64 XILINX	XC9572XL-5VQG64C, XILINX	1
IC4016	HVITC9162CFG	I.C , FUNCTION SW		1
IC4018	HVINJM2068MDTE1	I.C , OP AMP (JRC)	NJM2068MD-TE1	1
IC4019	HVIM29W160ET70N	IC,16M FLASH (ST)	M29W160ET-70N6	1
IC4020	CLZ9R014Z	BEAD , FERRITE (ACF451832-333-T)	ACF451832-333-T	1
IC4021	HVINJM2068MDTE1	I.C , OP AMP (JRC)	NJM2068MD-TE1	1
IC4022	CVIM12L64164A-5TG	I.C , SDRAM	M12L64164A-5TG , ESMT(ADS)	1
IC4023	CVID790E001BZDH275	I.C , DSP DECODER	D790E001BZDH275 , TI(AVNET)	1
IC4024	CVIKIA1117F00RTFP	I.C , 3-TERMINAL POS V-REG(1.1V~ADJ LOW DROP,DPARK	KIA1117F00-RTF/P , KEC	1
IC4025	HVINJM2068MDTE1	I.C , OP AMP (JRC)	NJM2068MD-TE1	1
IC4026	HVICS42528-CQ	I.C , CODEC + DIR (CIRRUS LOGIC)	CS42528-CQ	1
IC4027	CVIM12L64164A-5TG	I.C , SDRAM	M12L64164A-5TG , ESMT(ADS)	1
IC4028	HVINJM2068MDTE1	I.C , OP AMP (JRC)	NJM2068MD-TE1	1
IC4029	CLZ9R014Z	BEAD , FERRITE (ACF451832-333-T)	ACF451832-333-T	1
IC4030	HVIM29W160ET70N	IC,16M FLASH (ST)	M29W160ET-70N6	1
IC4031	CVIM12L64164A-5TG	I.C , SDRAM	M12L64164A-5TG , ESMT(ADS)	1
IC4032	HVINJM2068MDTE1	I.C , OP AMP (JRC)	NJM2068MD-TE1	1
IC4033	CVICS4391A-KZZ	I.C , CONV(CS4391A-KZZ SOP-20)		1
IC4034	CVID790E001BZDH275	I.C , DSP DECODER	D790E001BZDH275 , TI(AVNET)	1
IC4035	CVIKIA1117F00RTFP	I.C , 3-TERMINAL POS V-REG(1.1V~ADJ LOW DROP,DPARK	KIA1117F00-RTF/P , KEC	1
IC4036	CVIM12L64164A-5TG	I.C , SDRAM	M12L64164A-5TG , ESMT(ADS)	1
IC4039	HVINJM2068MDTE1	I.C , OP AMP (JRC)	NJM2068MD-TE1	1
IC4040	CVICS4391A-KZZ	I.C , CONV(CS4391A-KZZ SOP-20)		1
IC4041	CVIUPD70F3718GC8EAA	I.C , U-COM, AVR755/655, LQFP 100(14*14), NEC	UPD70F3718GC-8EA-A LQFP100(14*	1
IC4042	CVIM24256BWMN6TP	I.C , EEPROM (256KBits, 400MHz, 2.5~5.5V, SOP-8)	M24256-BWMN6TP , ST	1
IC4043	CVISN74LVC1G125DBVR	I.C , SINGLE BUS BUFFER GATE SOT(SOT-23)DBV		1
IC4049	CVISN74LVC1G125DBVR	I.C , SINGLE BUS BUFFER GATE SOT(SOT-23)DBV		1
IC4054	CVIBU4094BCF	I.C , CMOS SOP-16		1
IC4056	CVISN74LVC1G125DBVR	I.C , SINGLE BUS BUFFER GATE SOT(SOT-23)DBV		1
IC4057	CVIBU4094BCF	I.C , CMOS SOP-16		1
IC4058	CVIBU4094BCF	I.C , CMOS SOP-16		1
IC4059	CVIBU4051BCF	I.C , ANALOG MPX/DEMPX SOP-16		1
IC4063	CVISN74LVC1G125DBVR	I.C , SINGLE BUS BUFFER GATE SOT(SOT-23)DBV		1
Q4000	HVTKRC107S	T.R , CHIP , SOT-23		1
Q4001	HVTKRC107S	T.R , CHIP , SOT-23		1
Q4002	HVTKRC107S	T.R , CHIP , SOT-23		1
Q4003	HVTKRC107S	T.R , CHIP , SOT-23		1
Q4004	HVTKRC107S	T.R , CHIP , SOT-23		1
Q4006	HVTKRC107S	T.R , CHIP , SOT-23		1
R4005	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4013	CRJ10DJ101T	RES , CHIP(100 OHM , 5% , 1608)	1608 SIZE	1
R4014	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4017	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4024	CRJ10DJ0R0T	RES , CHIP(0 OHM , 5% , 1608)	1608 SIZE	1
R4026	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4027	CRJ10DJ0R0T	RES , CHIP(0 OHM , 5% , 1608)	1608 SIZE	1
R4028	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4029	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4030	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4031	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4051	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4053	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4057	CRJ10DJ101T	RES , CHIP(100 OHM , 5% , 1608)	1608 SIZE	1
R4062	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4063	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1

Ref. #	Part Number	Description	Value	Qty
	COP12038E	**AVR660EU DSP PCB ASS'Y**		
R4065	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4066	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4068	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4069	CRJ10DJ562T	RES , CHIP(5.6K OHM , 5% , 1608)	1608 SIZE	1
R4070	CRJ10DJ561T	RES , CHIP(560 OHM , 5% , 1608)		1
R4073	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4074	CRJ10DJ562T	RES , CHIP(5.6K OHM , 5% , 1608)	1608 SIZE	1
R4075	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4076	CRJ10DJ561T	RES , CHIP(560 OHM , 5% , 1608)		1
R4077	CRJ10DJ101T	RES , CHIP(100 OHM , 5% , 1608)	1608 SIZE	1
R4078	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4079	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4080	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4081	CRJ10DJ562T	RES , CHIP(5.6K OHM , 5% , 1608)	1608 SIZE	1
R4082	CRJ10DJ561T	RES , CHIP(560 OHM , 5% , 1608)		1
R4083	CRJ10DF1371T	RES . CHIP(1.37 KOHM ,1/16W,1%,1608)		1
R4084	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4085	CRJ10DJ562T	RES , CHIP(5.6K OHM , 5% , 1608)	1608 SIZE	1
R4086	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4087	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4088	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4089	CRJ10DJ561T	RES , CHIP(560 OHM , 5% , 1608)		1
R4090	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4091	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4092	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4093	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4094	CRJ10DJ561T	RES , CHIP(560 OHM , 5% , 1608)		1
R4095	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4096	CRJ10DJ562T	RES , CHIP(5.6K OHM , 5% , 1608)	1608 SIZE	1
R4097	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4098	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4099	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4100	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4101	CRJ10DJ822T	RES , CHIP(8.2K OHM , 5% , 1608)	1608 SIZE	1
R4102	CRJ10DJ561T	RES , CHIP(560 OHM , 5% , 1608)		1
R4103	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4104	CRJ10DJ822T	RES , CHIP(8.2K OHM , 5% , 1608)	1608 SIZE	1
R4105	CRJ10DJ750T	RES , CHIP(75 OHM , 5% , 1608)	1608 SIZE	1
R4106	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4107	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4108	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4109	CRJ10DJ561T	RES , CHIP(560 OHM , 5% , 1608)		1
R4110	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4111	CRJ10DJ562T	RES , CHIP(5.6K OHM , 5% , 1608)	1608 SIZE	1
R4112	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4113	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4114	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4115	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4116	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4117	CRJ10DJ562T	RES , CHIP(5.6K OHM , 5% , 1608)	1608 SIZE	1
R4118	CRJ10DJ561T	RES , CHIP(560 OHM , 5% , 1608)		1
R4119	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4120	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4121	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4122	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4123	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4124	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4125	CRJ10DJ203T	RES , CHIP(20K OHM , 5% , 1608)	1608	1
R4126	CRJ10DJ473T	RES , CHIP(47K OHM , 5% , 1608)	1608 SIZE	1
R4127	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4128	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4129	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4130	CRJ10DJ203T	RES , CHIP(20K OHM , 5% , 1608)	1608	1
R4131	CRJ10DJ105T	RES , CHIP(1M OHM , 5% , 1608)	1608 SIZE	1
R4132	CRJ10DJ0R0T	RES , CHIP(0 OHM , 5% , 1608)	1608 SIZE	1
R4133	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4134	CRJ062IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X2)	MNR02M0APJ330	1
R4135	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4136	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4137	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4138	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4139	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4140	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4141	CRJ10DJ432T	RES , CHIP(4.3K OHM , 5% , 1608)	1608 SIZE	1
R4142	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4143	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4144	CRJ10DJ432T	RES , CHIP(4.3K OHM , 5% , 1608)	1608 SIZE	1
R4145	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4146	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4147	CRJ10DJ330T	RES , CHIP(33 OHM , 5% , 1608)	1608 SIZE	1
R4148	CRJ10DJ220T	RES , CHIP(22 OHM , 5% , 1608)	1608 SIZE	1
R4149	CRJ10DJ432T	RES , CHIP(4.3K OHM , 5% , 1608)	1608 SIZE	1
R4150	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4151	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4152	CRJ10DJ432T	RES , CHIP(4.3K OHM , 5% , 1608)	1608 SIZE	1
R4153	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1

Ref. #	Part Number	Description	Value	Qty
	COP12038E	**AVR660EU DSP PCB ASS'Y**		
R4154	CRJ10DJ221T	RES , CHIP(220 OHM , 5% , 1608)	1608 SIZE	1
R4155	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4156	CRJ10DJ221T	RES , CHIP(220 OHM , 5% , 1608)	1608 SIZE	1
R4157	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4159	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4160	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4161	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4162	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4164	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4165	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4166	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4167	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4168	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4169	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4178	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4181	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4182	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4183	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4185	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4186	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4187	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4188	CRJ10DJ432T	RES , CHIP(4.3K OHM , 5% , 1608)	1608 SIZE	1
R4189	CRJ10DJ202T	RES , CHIP(2K OHM , 5% , 1608)		1
R4190	CRJ10DJ432T	RES , CHIP(4.3K OHM , 5% , 1608)	1608 SIZE	1
R4191	CRJ10DJ202T	RES , CHIP(2K OHM , 5% , 1608)		1
R4192	CRJ10DJ202T	RES , CHIP(2K OHM , 5% , 1608)		1
R4193	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4195	CRJ10DJ432T	RES , CHIP(4.3K OHM , 5% , 1608)	1608 SIZE	1
R4196	CRJ10DJ202T	RES , CHIP(2K OHM , 5% , 1608)		1
R4199	CRJ10DJ432T	RES , CHIP(4.3K OHM , 5% , 1608)	1608 SIZE	1
R4200	CRJ10DJ221T	RES , CHIP(220 OHM , 5% , 1608)	1608 SIZE	1
R4201	CRJ10DJ221T	RES , CHIP(220 OHM , 5% , 1608)	1608 SIZE	1
R4202	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4203	CRJ18AJ101T	RES , CHIP , 100 OHM, 5% , 1/8W , 2012		1
R4204	CRJ10DJ0R0T	RES , CHIP(0 OHM , 5% , 1608)	1608 SIZE	1
R4205	CRJ10DJ471T	RES , CHIP(470 OHM , 5% , 1608)	1608 SIZE	1
R4207	CRJ10DJ473T	RES , CHIP(47K OHM , 5% , 1608)	1608 SIZE	1
R4208	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4209	CRJ10DJ473T	RES , CHIP(47K OHM , 5% , 1608)	1608 SIZE	1
R4210	CRJ10DJ101T	RES , CHIP(100 OHM , 5% , 1608)	1608 SIZE	1
R4211	CRJ10DJ101T	RES , CHIP(100 OHM , 5% , 1608)	1608 SIZE	1
R4212	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4213	CRJ10DJ101T	RES , CHIP(100 OHM , 5% , 1608)	1608 SIZE	1
R4214	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4215	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4235	CRJ10DJ101T	RES , CHIP(100 OHM , 5% , 1608)	1608 SIZE	1
R4276	CRJ10DJ271T	RES , CHIP(270 OHM , 5% , 1608)	1608 SIZE	1
R4277	CRJ10DJ0R0T	RES , CHIP(0 OHM , 5% , 1608)	1608 SIZE	1
R4278	CRJ10DJ101T	RES , CHIP(100 OHM , 5% , 1608)	1608 SIZE	1
R4401	CRJ062IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X2)	MNR02M0APJ330	1
R4415	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4416	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4417	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4509	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4572	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4573	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4587	CRJ10DJ471T	RES , CHIP(470 OHM , 5% , 1608)	1608 SIZE	1
R4588	CRJ10DJ471T	RES , CHIP(470 OHM , 5% , 1608)	1608 SIZE	1
R4590	CRJ10DJ221T	RES , CHIP(220 OHM , 5% , 1608)	1608 SIZE	1
Y4001	COX24576C150SC	CRYSTAL, 24.576MHz, SCO-010, 15pF, 25PPM, SMD	WIN24576OSC573	1
C4003	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C4026	CCEA1CH220T	CAP , ELECT	22UF 16V	1
C4061	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C4080	CCEA1EH470T	CAP , ELECT	47UF 25V	1
C4083	CCEA1EH470T	CAP , ELECT	47UF 25V	1
C4090	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4096	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4097	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4102	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4105	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C4106	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C4107	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4110	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C4111	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4112	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C4113	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C4115	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4119	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4120	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C4121	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C4122	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C4123	CCEA1EH470T25	CAP , ELECT (47UF/25V M 5X11 P2.5mm)		1
C4124	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4126	CCEA1EH470T25	CAP , ELECT (47UF/25V M 5X11 P2.5mm)		1
C4139	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4141	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1

Ref. #	Part Number	Description	Value	Qty
	COP12038E	**AVR660EU DSP PCB ASS'Y**		
C4142	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C4143	CCEA1EH470T25	CAP , ELECT (47UF/25V M 5X11 P2.5mm)		1
C4144	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4150	CCEA1EH470T25	CAP , ELECT (47UF/25V M 5X11 P2.5mm)		1
C4152	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4153	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4155	CCEA1HH1R0T	CAP , ELECT	1UF 50V	1
C4156	CCEA1HH1R0T	CAP , ELECT	1UF 50V	1
C4157	CCEA1EH470T25	CAP , ELECT (47UF/25V M 5X11 P2.5mm)		1
C4158	CCEA1EH470T25	CAP , ELECT (47UF/25V M 5X11 P2.5mm)		1
C4162	CCEA1AH471T	CAP , ELECT	470UF 10V	1
C4163	CCEA1AH471T	CAP , ELECT	470UF 10V	1
C4168	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4169	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4170	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C4171	CCEA1CH470T	CAP , ELECT	47UF 16V	1
C4174	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4175	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4176	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C4177	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4178	CCEA1HH4R7T	CAP , ELECT	4.7UF 50V	1
C4181	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C4182	CCEA1CH470T	CAP , ELECT	47UF 16V	1
C4185	CCEA1HH1R0T	CAP , ELECT	1UF 50V	1
C4186	CCEA1HH1R0T	CAP , ELECT	1UF 50V	1
C4187	CCEA1AH471T	CAP , ELECT	470UF 10V	1
C4188	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C4189	CCEA1EH101T	CAP , ELECT	100UF 25V	1
C4190	CCEA1EH101T	CAP , ELECT	100UF 25V	1
C4191	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C4193	CCEA1AH101T	CAP , ELECT	100UF 10V	1
HK4001	HJT1A025	PALTE , EARTH	MET37-0002	1
L4000	CLQ03D470JT	COIL , RADIAL (47UH, 5%, 2.7 OHM, 192mA, 5.0MM)	EL0606RA-470J-PF , TDK	1
L4001	CLQ03D470JT	COIL , RADIAL (47UH, 5%, 2.7 OHM, 192mA, 5.0MM)	EL0606RA-470J-PF , TDK	1
L4002	CLQ03D470JT	COIL , RADIAL (47UH, 5%, 2.7 OHM, 192mA, 5.0MM)	EL0606RA-470J-PF , TDK	1
L4003	CLQ03D470JT	COIL , RADIAL (47UH, 5%, 2.7 OHM, 192mA, 5.0MM)	EL0606RA-470J-PF , TDK	1
L4004	CLQ03D470JT	COIL , RADIAL (47UH, 5%, 2.7 OHM, 192mA, 5.0MM)	EL0606RA-470J-PF , TDK	1
Q4008	CVTMPSA06ATPF	T.R , DRIVER(NPN,120V, 500mA TO-92)	MPSA06-AT/PF , KEC	1
Q4010	HVTKRA107MT	T.R , TO-92M	KRA107M	1
Y4002	COX24576E180TF	CRYSTAL, 24.576MHz, HC-49/S, 18pF, 20PPM	CRYSTAL_HC-49/S_18PF	1
Y4003	CVFCSTLS5M00G56A0	RESONATOR , CERAMIC(5.0MHz 56PF)		1
	CQB1D022	A-ROHS/LABEL,SERIAL		1
	C2K86002	SOLDER , BAR SN PB FREE	HSE-16(P) B20	10
	C2K86102	SOLDER , FLUX WIRE PB FREE(PIE 1.0)	HSE-04 W1.0	5
	C8E534	FLUX		3
C4184	CCESDXJ5R5V334U	CAP , DOUBLE LAYER(ELNA, 5.5V, 0.33F)	DXJ5R5V334U	1
HK4000	CMD1A661	BRACKET , XM AVBR755		1
JA4001	CJS9U011Z	JACK, OPTICAL+COXIAL(GOLD PLATE)		1
JA4002	CJS9U016Z	JACK , OPT + 1P RCA (RX 5V YKC22-0873V AU PLATE)	YKC22-0873V, RX , JALCO	1
JA4003	CJS9U016Z	JACK , OPT + 1P RCA (RX 5V YKC22-0873V AU PLATE)	YKC22-0873V, RX , JALCO	1
JA4004	CJS9U016Z	JACK , OPT + 1P RCA (RX 5V YKC22-0873V AU PLATE)	YKC22-0873V, RX , JALCO	1
JA4005	CJJ4P063Z	JACK , RCA (4P, 401DAG, GN BN PP TA, AU PL)		1
JA4006	CJJ4P055Z	JACK 4P WH/BL/RD/GY		1
N4001	CJP19GB99ZM	WAFER(19P, AN 2MM)		1
N4002	CJP17GA115ZY	WAFER , CARDCABLE		1
N4003	CJP11GA115ZY	WAFER(11P, ST 1.25MM)		1
N4005	CJP19GB99ZM	WAFER(19P, AN 2MM)		1
N4006	CJP19GB99ZM	WAFER(19P, AN 2MM)		1
N4007	CJP10GB99ZY	WAFER		1
N4009	CJP07GA01ZY	WAFER , STRAIGHT(7PIN)		1
N4010	CJP21GA115ZY	WAFER , CARD CABLE		1
N4011	CJP16GB99ZM	WAFER(16P, AN 2MM)		1
P4000	CJP05GA47ZW	WAFER,2mm		1
P4001	CJP10GA98ZY	WAFER		1
P4004	CJP09GA47ZW	CNT , WAFER	GIL-S-09P-S2T2-EF	1
P4011	CJP29GA115ZY	WAFER , CARD CABLE(1.25MM, STRAIGHT)	YEONHO 12511 SERIES	1
Ref. #	**Part Number**	**Description**	**Value**	**Qty**
	COP12039B	**AVR755 ETHER PCB ASS'Y**		**1**
BD5008	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)		1
BD5009	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)		1
BD5010	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)		1
BD5011	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)		1
BD5012	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)		1
BD5013	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)		1
C5024	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5025	CCSJB1A220B	CAP , CHIP TANTAL(B TYPE, 22uF/10V, ELNA)		1
C5026	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5027	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5028	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5029	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C5030	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5031	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5032	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1

Ref. #	Part Number	Description	Value	Qty
	COP12039B	**AVR755 ETHER PCB ASS'Y**		**1**
C5033	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF/16V, ELNA)		1
C5034	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF/16V, ELNA)		1
C5035	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C5036	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C5037	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C5038	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C5039	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5040	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5041	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5042	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5043	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5044	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5045	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5046	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5047	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5048	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5049	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5050	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5051	CCSJB1A220B	CAP , CHIP TANTAL(B TYPE, 22uF/10V, ELNA)		1
C5052	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5053	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5055	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5056	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C5057	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5058	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5059	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5060	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C5061	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5062	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C5063	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5064	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5065	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)		1
C5066	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5067	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5068	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5069	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5070	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5071	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5072	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5073	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)		1
C5074	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C5075	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)		1
C5076	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5077	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C5078	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C5079	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C5080	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C5081	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5082	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5083	CCSJB1A220B	CAP , CHIP TANTAL(B TYPE, 22uF/10V, ELNA)		1
C5084	CCSJB1A220B	CAP , CHIP TANTAL(B TYPE, 22uF/10V, ELNA)		1
C5085	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)		1
C5086	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5087	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5088	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
Q5001	HVTKTC3875SYRTK	T.R , CHIP	KTC3875S Y RTK	1
R5076	CRJ104DJ220T	RES,4ARRAY	22X4/2012	1
R5077	CRJ104DJ220T	RES,4ARRAY	22X4/2012	1
R5079	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R5080	CRJ104DJ220T	RES,4ARRAY	22X4/2012	1
R5081	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R5083	CRJ104DJ220T	RES,4ARRAY	22X4/2012	1
R5084	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R5085	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R5086	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R5087	CRJ10DF56R2T	RES. CHIP (56.2 OHM 1%)	56.2 ohm 1/16W 1% 0603	1
R5088	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R5089	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R5090	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R5091	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R5092	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R5093	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R5094	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R5095	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R5096	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R5097	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R5098	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5099	CRJ10DJ510T	RES , CHIP	51 ohm 1/16W 5% 0603	1
R5100	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R5101	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R5102	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5103	CRJ10DJ510T	RES , CHIP	51 ohm 1/16W 5% 0603	1
R5104	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R5105	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5106	CRJ10DJ152T	RES , CHIP	1K5 ohm 1/16W 5% 0603	1

Ref. #	Part Number	Description	Value	Qty
	COP12039B	**AVR755 ETHER PCB ASS'Y**		**1**
R5107	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5108	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R5109	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5110	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R5111	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R5112	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5113	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5114	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5115	CRJ10DJ510T	RES , CHIP	51 ohm 1/16W 5% 0603	1
R5116	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5117	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5118	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5119	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5120	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5121	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5122	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5123	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5124	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5125	CRJ10DJ510T	RES , CHIP	51 ohm 1/16W 5% 0603	1
R5126	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5127	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5128	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5129	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5130	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5131	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5132	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5133	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5134	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5135	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5136	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5137	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5138	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5139	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5140	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5141	CRJ10DJ332T	RES , CHIP	3K3 ohm 1/16W 5% 0603	1
R5142	CRJ10DJ202T	RES , CHIP	2K ohm 1/16W 5% 0603	1
R5143	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R5144	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5145	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5146	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R5147	CRJ10DF56R2T	RES. CHIP (56.2 OHM 1%)	56.2 ohm 1/16W 1% 0603	1
R5148	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
	CIP12039BTSMD	AVR755 ETHER PCB TOP SMD ASS'Y		1
	CUP12039Y	PCB , ETHER AVR755 (154X188, FR4/4, 4ARRAY)		.25
BD5000	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD5005	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
C5000	CCUVJ3A102MCT	CAP , CERAMIC (EFI 1KV 1000PF M X7R 2000VDC 3216)	VJ1206Y102MBFAT , VISHAY(AVN)	1
C5003	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5004	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5005	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5008	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5013	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C5014	CCUS1H330JA	CAP , CHIP	33PF 50V J	1
C5016	CCUS1H330JA	CAP , CHIP	33PF 50V J	1
C5017	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C5019	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5020	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF/16V, ELNA)	10uF 16V T491B106M016AS 3528	1
C5021	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C5022	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C5023	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF/16V, ELNA)	10uF 16V T491B106M016AS 3528	1
C5089	CCUS1H560JA	CAP , CHIP	56PF 50V J	1
F5000	CRTMINISMDC200F	SW , POLY (RESETTABLE 2A 0.02 OHM 1W 4532)	MINISMDC200F-2	1
IC5000	CVIS29GL064N90TFI060	I.C , FLASH 64M (FAGE MODE,TSOP-48P)	S29GL064N90TFI060 64M 48TSOP1	1
IC5001	CVIM12L128168A-6TG	I.C , SDRAM	M12L128168A-6TG , ESMT(ADS)	1
IC5002	CVIDM9161AEP	I.C , Ethernet PHY Transceive,LQFP48	DM9161AEP LQFP48	1
IC5004	CVIDM850E-CQ	I.C , DM850E M.N.PROCESSOR LPFQ-208	DM850E LPFQ 208	1
IC5005	HVILM1117S-1V8	I.C , REGULATOR (1.8V)	LM1117-1V8	1
Q5000	CVTKMA2D3P20SRTKP	F.E.T , P-CH MOS	KMA2D3P20S-RTK/P, KEC	1
R5000	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R5001	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R5002	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R5003	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R5004	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R5005	CRJ10DJ510T	RES , CHIP	51 ohm 1/16W 5% 0603	1
R5006	CRJ10DJ510T	RES , CHIP	51 ohm 1/16W 5% 0603	1
R5007	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R5008	CRJ10DJ510T	RES , CHIP	51 ohm 1/16W 5% 0603	1
R5009	CRJ10DJ510T	RES , CHIP	51 ohm 1/16W 5% 0603	1
R5010	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5011	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5012	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5014	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5015	CRJ10DJ622T	RES , CHIP	6K2 ohm 1/16W 5% 0603	1
R5017	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R5018	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R5019	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
Ref. #	**Part Number**	**Description**	**Value**	**Qty**

	COP12039B	**AVR755 ETHER PCB ASS'Y**		**1**
R5020	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R5021	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R5022	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R5023	CRJ10DJ220T	RES , CHIP	22 ohm 1/16W 5% 0603	1
R5024	CRJ10DJ220T	RES , CHIP	22 ohm 1/16W 5% 0603	1
R5025	CRJ10DJ220T	RES , CHIP	22 ohm 1/16W 5% 0603	1
R5027	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R5028	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5029	CRJ10DF56R2T	RES. CHIP (56.2 OHM 1%)	56.2 ohm 1/16W 1% 0603	1
R5030	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5031	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5032	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5033	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5034	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5036	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R5037	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R5039	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R5040	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R5041	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R5042	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R5043	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R5044	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R5045	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5046	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R5047	CRJ10DJ394T	RES , CHIP (390K OHM , 5% , 1608)	390K ohm 1/10W 5% 0603	1
R5048	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R5049	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R5050	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R5051	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R5052	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R5053	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5054	CRJ10DF56R2T	RES. CHIP (56.2 OHM 1%)	56.2 ohm 1/16W 1% 0603	1
R5055	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R5056	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R5057	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R5058	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R5059	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5060	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5061	CRJ10DF56R2T	RES. CHIP (56.2 OHM 1%)	56.2 ohm 1/16W 1% 0603	1
R5062	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5063	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5064	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5065	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R5066	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5067	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R5068	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R5069	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R5070	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R5071	CRJ10DF56R2T	RES. CHIP (56.2 OHM 1%)	56.2 ohm 1/16W 1% 0603	1
R5072	CRJ10DF56R2T	RES. CHIP (56.2 OHM 1%)	56.2 ohm 1/16W 1% 0603	1
R5073	CRJ10DF56R2T	RES. CHIP (56.2 OHM 1%)	56.2 ohm 1/16W 1% 0603	1
R5074	CRJ10DF56R2T	RES. CHIP (56.2 OHM 1%)	56.2 ohm 1/16W 1% 0603	1
R5075	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R5149	CRJ10DJ330T	RES , CHIP	33 ohm 1/16W 5% 0603	1
R5150	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R5151	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
T5000	CVIH1102NLT	I.C , MATCHING TRANS (10/100BASE-T,SING-PORT, SMD)	H1102NLT , PULSE	1
C5018	CCEA1CH471T	CAP , ELECT	470UF 16V	1
HK5000	CMC1A337	BRACKET , GND SMALL AVR755		1
HK5001	CMC1A337	BRACKET , GND SMALL AVR755		1
JA5000	CJJ9L004Z	JACK , RJ-45	GDL1-8P8C 8T BK	1
N5001	CJP10GB116ZY	WAFER	GF120-10S-LS 1.25mm 10P	1
N5002	CJP10GB99ZY	WAFER	35237-1010 2.0mm 10P WHT	1
N5003	CJP11GB116ZY	WAFER	GF120-11S-LS 1.25mm 11P	1
N5004	CJP11GB116ZY	WAFER	GF120-11S-LS 1.25mm 11P	1
P5002	CJP05GB48ZW	WAFER	GIL-S-05P-S2L2-EF 5P	1
X5000	COX24576E180TF	CRYSTAL , 24.576MHz	CRYSTAL_HC-49/S_18PF	1
Ref. #	**Part Number**	**Description**	**Value**	**Qty**
	COP12041B	**AVR755 HDMI PCB ASS'Y**		**1**
BD2005	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)		1
BD2006	CLZ91002Z	FERRITE , CHIP BEAD(120ohm, 3216)	HCB3216KF-121T50	1
BD2007	CLZ91002Z	FERRITE , CHIP BEAD(120ohm, 3216)	HCB3216KF-121T50	1
BD2011	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2012	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2014	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2015	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2016	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2017	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2018	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2019	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2020	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2021	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2022	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1

Ref. #	Part Number	Description	Value	Qty
	COP12041B	**AVR755 HDMI PCB ASS'Y**		**1**
BD2023	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2024	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2025	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2026	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2027	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2028	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2029	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2030	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2031	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2032	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2033	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2034	CLZ91002Z	FERRITE , CHIP BEAD(120ohm, 3216)	HCB3216KF-121T50	1
BD2035	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2036	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2037	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2038	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2040	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2041	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2042	CLZ91002Z	FERRITE , CHIP BEAD(120ohm, 3216)	HCB3216KF-121T50	1
BD2043	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
C2002	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2003	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2031	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF/16V, ELNA)	10uF 16V T491B106M016AS 3528	1
C2043	CCUS1H123KC	CAP , CHIP(1608, 50V/12NF)	1608, 50V/12NF	1
C2045	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2049	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF/16V, ELNA)	10uF 16V T491B106M016AS 3528	
C2058	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2059	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2060	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2061	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2062	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2063	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2066	CCUS1H122KC	CAP , CHIP	1200PF 50V K	1
C2067	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2068	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2069	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2070	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2071	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2072	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2073	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2074	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2075	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2076	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2077	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2078	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2079	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2080	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2081	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2082	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2083	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2084	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2085	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2086	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2087	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2088	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2089	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2090	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2091	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2092	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2093	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2094	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF/16V, ELNA)	10uF 16V T491B106M016AS 3528	1
C2095	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2096	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2097	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2098	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2099	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2100	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2101	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2102	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2103	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2104	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2105	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2106	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2107	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2108	CCUS1H180JA	CAP , CHIP(18PF/50V)	18PF 50V J	1
C2109	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2110	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2111	CCUS1H180JA	CAP , CHIP(18PF/50V)	18PF 50V J	1
C2112	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2113	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2114	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2115	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2116	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2117	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2118	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1

Ref. #	Part Number	Description	Value	Qty
	COP12041B	**AVR755 HDMI PCB ASS'Y**		**1**
C2119	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF/16V, ELNA)	10uF 16V T491B106M016AS 3528	1
C2120	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2121	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2122	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2123	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2124	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2125	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2126	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2127	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2128	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2129	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2130	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2131	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2132	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2133	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2134	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2135	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2136	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2137	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2138	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2139	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2140	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2141	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C2142	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C2143	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C2144	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2145	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2146	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2147	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2148	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2149	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2150	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2151	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2152	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2153	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2154	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2155	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2156	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2157	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2158	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2159	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2160	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2161	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2162	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2163	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2164	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2165	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2166	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2167	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2168	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2169	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2170	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C2171	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2172	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2173	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2174	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2175	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2176	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2177	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2178	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2179	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2180	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2181	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2182	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2183	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2184	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2185	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2186	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2187	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2188	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2189	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2190	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2191	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2192	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2193	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2194	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2195	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2196	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2197	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2198	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2199	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2200	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2201	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2202	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2203	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2204	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
Ref. #	**Part Number**	**Description**	**Value**	**Qty**

	COP12041B	AVR755 HDMI PCB ASS'Y		1
C2205	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2206	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2207	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2208	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2209	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2210	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2211	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2212	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2213	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2214	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2215	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2216	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2217	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2218	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2219	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2220	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2221	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2222	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2223	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2224	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2225	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2226	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2227	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2228	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2229	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2230	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2231	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2232	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2233	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2234	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2235	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2236	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2237	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2238	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2239	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2240	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2241	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2242	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2243	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2244	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2245	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2246	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2247	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2248	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2249	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2250	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2251	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2252	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2253	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2254	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2255	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2256	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2257	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2258	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2259	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2260	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2261	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2262	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2263	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2264	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2265	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2266	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2267	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2268	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2269	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2270	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2271	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2272	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2273	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2274	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2275	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2276	CCUS1H470JA	CAP , CHIP	47PF 50V J	1
C2277	CCUS1H470JA	CAP , CHIP	47PF 50V J	1
C2278	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2279	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2280	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2281	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2282	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2283	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2284	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C2285	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2286	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2287	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2289	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2290	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2291	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
Ref. #	**Part Number**	**Description**	**Value**	**Qty**
	COP12041B	AVR755 HDMI PCB ASS'Y		1

C2292	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2294	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2295	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2296	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2297	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2298	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2299	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2300	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2302	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2303	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2304	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2305	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2306	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2307	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2308	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2309	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2310	CCUS1H123KC	CAP , CHIP(1608, 50V/12NF)	1608, 50V/12NF	1
C2311	CCUS1H222KC	CAP , CHIP	2200PF 50V K	1
C2312	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2313	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2314	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2315	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2316	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2317	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2319	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2320	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
D2014	CVDBAV99LT1G	DIODE , SWITCHING SOT-23	BAV99LT1G SOT-23	1
D2015	CVDBAV99LT1G	DIODE , SWITCHING SOT-23	BAV99LT1G SOT-23	1
D2016	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
D2017	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
D2019	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
F2000	CRTNANOSMDC150F2	SW , POLY(RESETTABLE 1.5A 0.08 OHM 0.6W 3216)	NANOSMDC150F-2 , TYCO RAYCHEM	1
IC2010	CVI74FCT38072DCGI	I.C , CLOCK DRIVER	IDT74FCT38072DCGI , IDT	1
IC2015	HVILM1117S-1V8	I.C , REGULATOR (1.8V)	LM1117-1V8	1
IC2017	HVILM1117S-1V8	I.C , REGULATOR (1.8V)	LM1117-1V8	1
IC2023	HVILM1117S-3V3	I.C , REGULATOR (3.3V)	1117S-3.3V	1
IC2028	HVILM1117S-2V5	I.C , REGULATOR (2.5V)	1117S-2.5	1
IC2033	HVILM1117S-1V8	I.C , REGULATOR (1.8V)	LM1117-1V8	1
IC2036	CVICD74HC4053M96	IC, MULTIPLEXERS, AVR755/655, CD74HC4053M96, TI	CD74HC4053M96	1
IC2037	CVISN74LVC1G04DCKR	I.C , SINGLE INVERTER GATE SC-70	SN74LVC1G04DCKR , TI(AVNET)	1
IC2039	CVDAD1580BRT	I.C, 1.2V MICROPOWER,PRECISION SHUNT VOLTAGE REF.	AD1580BRTZ-REEL	1
IC2040	CVISN74LVC1G125DBVR	I.C , SINGLE BUS BUFFER GATE SOT(SOT-23)DBV	SN74LVC1G125DBV	1
Q2004	HVTKTA1504SYRTK	T.R , CHIP	KTA1504S Y RTK	1
Q2005	HVTKTA1504SYRTK	T.R , CHIP	KTA1504S Y RTK	1
Q2006	CVT2N7002K	F.E.T(SOP-23)	2N7002K	1
Q2007	CVT2N7002K	F.E.T(SOP-23)	2N7002K	1
Q2008	HVTKRC107S	T.R , CHIP	KRC107S SOT-23	1
Q2009	HVTKRC107S	T.R , CHIP	KRC107S SOT-23	1
Q2010	HVTKRC107S	T.R , CHIP	KRC107S SOT-23	1
Q2011	HVTKRC107S	T.R , CHIP	KRC107S SOT-23	1
R2208	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R2242	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2243	CRJ10DJ330T	RES , CHIP	33 ohm 1/16W 5% 0603	1
R2246	CRJ10DF1690T	RES , CHIP(1/10W, 169OHM, 1%)	169 ohm 1/16W 1% 0603	1
R2267	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R2268	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R2269	CRJ10DJ271T	RES , CHIP	270 ohm 1/16W 5% 0603	1
R2270	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2271	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R2275	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R2276	CRJ10DJ223T	RES , CHIP	22K ohm 1/16W 5% 0603	1
R2277	CRJ10DJ392T	RES . CHIP	3K9 ohm 1/16W 5% 0603	1
R2278	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2279	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R2280	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R2281	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2282	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R2284	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2285	CRJ10DJ621T	RES, CHIP	620 ohm 1/16W 5% 0603	1
R2286	CRJ10DJ330T	RES , CHIP	33 ohm 1/16W 5% 0603	1
R2287	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2288	CRJ10DJ105T	RES , CHIP	1M ohm 1/16W 5% 0603	1
R2289	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2290	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R2291	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R2293	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2294	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2295	CRJ10DJ470T	RES , CHIP	47 ohm 1/16W 5% 0603	1
R2298	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R2299	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2300	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2301	CRJ10DJ220T	RES , CHIP	22 ohm 1/16W 5% 0603	1
R2302	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2303	CRJ10DJ220T	RES , CHIP	22 ohm 1/16W 5% 0603	1
R2304	CRJ10DJ220T	RES , CHIP	22 ohm 1/16W 5% 0603	1
R2305	CRJ10DJ220T	RES , CHIP	22 ohm 1/16W 5% 0603	1
Ref. #	**Part Number**	**Description**	**Value**	**Qty**
	COP12041B	**AVR755 HDMI PCB ASS'Y**		**1**
R2306	CRJ10DJ220T	RES , CHIP	22 ohm 1/16W 5% 0603	1

R2307	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2308	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2309	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2310	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2311	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2312	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2313	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2314	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2315	CRJ10DJ220T	RES , CHIP	22 ohm 1/16W 5% 0603	1
R2316	CRJ10DJ750T	RES , CHIP	75 ohm 1/16W 5% 0603	1
R2317	CRJ10DJ220T	RES , CHIP	22 ohm 1/16W 5% 0603	1
R2318	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2319	CRJ10DJ220T	RES , CHIP	22 ohm 1/16W 5% 0603	1
R2320	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2321	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2322	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2323	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2324	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2325	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2326	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2328	CRJ10DJ220T	RES , CHIP	22 ohm 1/16W 5% 0603	1
R2329	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2330	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2331	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2332	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2333	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2334	CRJ10DF2800T	RES , CHIP(1/10W, 280ohm, 1608, 1%)	1/10W, 280OHM, 1608, 1%	1
R2335	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2336	CRJ10DJ272T	RES , CHIP	2K7 ohm 1/16W 5% 0603	1
R2337	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33ohm 1/16W 5% CN34JT330	1
R2338	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2339	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33ohm 1/16W 5% CN34JT330	1
R2340	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33ohm 1/16W 5% CN34JT330	1
R2341	CRJ10DF2800T	RES , CHIP(1/10W, 280ohm, 1608, 1%)	1/10W, 280OHM, 1608, 1%	1
R2342	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33ohm 1/16W 5% CN34JT330	1
R2343	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33ohm 1/16W 5% CN34JT330	1
R2344	CRJ10DJ330T	RES , CHIP	33 ohm 1/16W 5% 0603	1
R2345	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2347	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2349	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2350	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2351	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2352	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2353	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2355	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2359	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2360	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2361	CRJ10DJ750T	RES , CHIP	75 ohm 1/16W 5% 0603	1
R2362	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2363	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2365	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R2366	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2368	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R2369	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2372	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2373	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2374	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2375	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2376	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2377	CRJ10DF1690T	RES , CHIP(1/10W, 169OHM, 1%)	1/10W, 169OHM, 1%	1
R2378	CRJ10DJ392T	RES . CHIP	3K9 ohm 1/16W 5% 0603	1
R2379	CRJ10DJ392T	RES . CHIP	3K9 ohm 1/16W 5% 0603	1
R2380	CRJ10DJ221T	RES , CHIP	220 ohm 1/16W 5% 0603	1
R2381	CRJ10DJ221T	RES , CHIP	220 ohm 1/16W 5% 0603	1
R2382	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2383	CRJ10DJ1R0T	RES , CHIP	1 ohm 1/16W 5% 0603	1
R2384	CRJ10DJ1R0T	RES , CHIP	1 ohm 1/16W 5% 0603	1
R2386	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2400	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R2401	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R2402	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2403	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2404	CRJ10DF1690T	RES , CHIP(1/10W, 169OHM, 1%)	1/10W, 169OHM, 1%	1
R2405	CRJ10DF1690T	RES , CHIP(1/10W, 169OHM, 1%)	1/10W, 169OHM, 1%	1
R2406	CRJ10DF1690T	RES , CHIP(1/10W, 169OHM, 1%)	1/10W, 169OHM, 1%	1
R2407	CRJ10DJ223T	RES , CHIP	22K ohm 1/16W 5% 0603	1
R2410	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R2411	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R2412	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R2416	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R2417	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R2418	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R2419	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R2420	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R2421	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
Ref. #	**Part Number**	**Description**	**Value**	**Qty**
	COP12041B	**AVR755 HDMI PCB ASS'Y**		**1**
V2037	CRVEGA10603V12A1B	VARISTER , CHIP(12V, 0.2PF, 1608, EGA)	EGA10603V12A1-B	1
V2054	CRVEGA10603V12A1B	VARISTER , CHIP(12V, 0.2PF, 1608, EGA)	EGA10603V12A1-B	1

BD2002	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2003	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2004	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2008	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2009	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2010	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
C2007	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2008	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2009	CCUS1H220JA	CAP , CHIP	22PF 50V J	1
C2010	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2011	CCUS1H330JA	CAP , CHIP	33PF 50V J	1
C2012	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2013	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2014	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2015	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2016	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2017	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2018	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2019	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2020	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2021	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C2022	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C2023	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2024	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2025	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2026	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2027	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2028	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2029	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2030	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2032	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2033	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2034	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2035	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2036	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2037	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2038	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2039	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2041	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2042	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C2044	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C2046	CCUS1H222KC	CAP , CHIP	2200PF 50V K	1
C2047	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2048	CCUS1H330JA	CAP , CHIP	33PF 50V J	1
C2288	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF/16V, ELNA)	10uF 16V T491B106M016AS 3528	1
C2327	CCUS1H122KC	CAP , CHIP	1200PF 50V K	1
D2002	CVDBAV99LT1G	DIODE , SWITCHING SOT-23	BAV99LT1G SOT-23	1
D2003	CVDBAV99LT1G	DIODE , SWITCHING SOT-23	BAV99LT1G SOT-23	1
D2004	CVDBAV99LT1G	DIODE , SWITCHING SOT-23	BAV99LT1G SOT-23	1
D2006	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
D2007	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
D2008	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
D2009	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
D2010	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
D2011	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
D2020	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
F2001	CRTNANOSMDC050F	SW , POLY (RESETTABLE 0.5A 3216)	NANO SMDC050F+TYCO	1
F2002	CRTNANOSMDC050F	SW , POLY (RESETTABLE 0.5A 3216)	NANO SMDC050F+TYCO	1
IC2000	CVIPC17K1CTN	I.C , PHOTO COUPLER CHIP , PC17K1CTN	PC17K1CTN , KODENSHI	1
IC2001	CVIPC17K1CTN	I.C , PHOTO COUPLER CHIP , PC17K1CTN	PC17K1CTN , KODENSHI	1
IC2002	CVIBU4052BCF	I.C , ANALOG 4CHX2,MPX/DEMPX SOP-16	BU4052BCF SOP16	1
IC2004	CVISII9185ACTU	I.C , HDMI RX SW(80PIN TQFP)	SII9185ACTU	1
IC2005	CVTUPA672T	F.E.T	UPA672T-T1-A SMD	1
IC2006	CVTUPA672T	F.E.T	UPA672T-T1-A SMD	1
IC2007	CVISC16IS740IPW	I.C , TSSOP16	SC16IS740IPW TSSOP16	1
IC2008	CVISN74LVC257AD	I.C , SN74LVC257AD SOIC-16	SN74LVC257AD SOIC-16	1
IC2009	CVISII9135CTU	IC , HDMI RX(144PIN, TQFP)	144PIN, TQFP	1
IC2011	CVIM24C08WMN6TP	I.C , EEPROM (8KBits, 400MHz, 2.5~5.5V, SOP-8)	M24C08-WMN6TP, ST	1
IC2012	CVIBU4094BCF	I.C , CMOS SOP-16	BU4094BCF SOP16	1
IC2013	CVIBU4094BCF	I.C , CMOS SOP-16	BU4094BCF SOP16	1
IC2014	CVISN74LVC827APWR	I.C,0-BIT BUFFER/DRIVER TSSOP24 TEXAS INSTRUMENTS	SN74LVC827APWT TSSOP24	1
IC2016	CVISII9134CTU	IC , HDMI TX(100PIN, TQFP)	SiI9134CTU TQFP100	1
IC2018	CVISN74LVC257AD	I.C , SN74LVC257AD SOIC-16	SN74LVC257AD SOIC-16	1
IC2019	CVIFLI30336AC	I.C , VIDEO PROCESSOR	FLI30336-LF-AC	1
IC2020	CVISN74LVC1G125DBVR	I.C , SINGLE BUS BUFFER GATE SOT(SOT-23)DBV	SN74LVC1G125DBVR SOT23	1
IC2021	CVISN74ALVCH16827DGG	I.C , BUFFER/DRIVER	SN74ALVCH16827DGGR , TI	1
IC2022	CVISN74ALVCH16827DGG	I.C , BUFFER/DRIVER	SN74ALVCH16827DGGR , TI	1
IC2024	CVIA3S56D40ETPG5	I.C, 256MB DDR SDRAM	A3S56D40ETP-G5	1
IC2025	CVIMK2302S01T	I.C , BUFFER	MK23020S-01T	1
IC2026	CVIF49L320UA70TG	I.C , 32M FLASH(48PIN TSOPI)	F49L320UA70TG	1
IC2027	CVIA3S56D40ETPG5	I.C, 256MB DDR SDRAM	A3S56D40ETP-G5	1
IC2030	CVISN74ALVCH16827DGG	I.C , BUFFER/DRIVER	SN74ALVCH16827DGGR , TI	1

Ref. #	Part Number	Description	Value	Qty
	COP12041B	**AVR755 HDMI PCB ASS'Y**		**1**
IC2031	CVISN74ALVCH16827DGG	I.C , BUFFER/DRIVER	SN74ALVCH16827DGGR , TI	1
IC2032	CVIADV7340BSTZ	I.C , VIDEO ENCODER	ADV7340	1
IC2034	CVIADA4410-6ACPZ	I.C , VIDEO FILTER W/SEL- CUTOFF FREQ.32P	ADA4410-6ACPZ VQ_LFCSP-32PIN	1
JA2006	CJJ9H004Z	JACK , HDMI GOLD	YKF45-7043N	1
JA2007	CJJ9H004Z	JACK , HDMI GOLD	YKF45-7043N	1
JA2008	CJJ9H004Z	JACK , HDMI GOLD	YKF45-7043N	1
JA2009	CJJ9H004Z	JACK , HDMI GOLD	YKF45-7043N	1
JA2010	CJJ9H004Z	JACK , HDMI GOLD	YKF45-7043N	1
L2000	BLZ9R004Z	BEAD CHIP 90 OHM (2012 SIZE)	ACM2012H-900	1
L2001	BLZ9R004Z	BEAD CHIP 90 OHM (2012 SIZE)	ACM2012H-900	1
L2002	BLZ9R004Z	BEAD CHIP 90 OHM (2012 SIZE)	ACM2012H-900	1
L2003	BLZ9R004Z	BEAD CHIP 90 OHM (2012 SIZE)	ACM2012H-900	1
Q2002	CVTKRC402ERTKP	T.R , NPN	KRC402E-RTK/P , KEC	1
Q2012	HVTKTA1504SYRTK	T.R , CHIP	KTA1504S Y RTK	1
Q2013	HVTKTA1504SYRTK	T.R , CHIP	KTA1504S Y RTK	1
R2000	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2003	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R2007	CRJ10DJ511T	RES , CHIP	510 ohm 1/16W 5% 0603	1
R2008	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2009	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2010	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2011	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2012	CRJ10DJ470T	RES , CHIP	47 ohm 1/16W 5% 0603	1
R2013	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2014	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2015	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2016	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R2017	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2018	CRJ10DJ470T	RES , CHIP	47 ohm 1/16W 5% 0603	1
R2020	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2021	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2022	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2023	CRJ10DJ470T	RES , CHIP	47 ohm 1/16W 5% 0603	1
R2025	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2026	CRJ064IJ220T	RES , CHIP ARRAY	22 ohm 1/16W 5% CN24J220	1
R2027	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2028	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R2029	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R2031	CRJ064IJ220T	RES , CHIP ARRAY	22 ohm 1/16W 5% CN24J220	1
R2032	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2033	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R2034	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R2035	CRJ10DJ182T	RES , CHIP	1K8 ohm 1/16W 5% 0603	1
R2036	CRJ10DJ182T	RES , CHIP	1K8 ohm 1/16W 5% 0603	1
R2037	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2038	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2039	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2040	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2041	CRJ10DJ123T	RES , CHIP	12K ohm 1/16W 5% 0603	1
R2042	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2043	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2044	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2045	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2046	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2047	CRJ10DJ123T	RES , CHIP	12K ohm 1/16W 5% 0603	1
R2048	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2049	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2051	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2052	CRJ064IJ220T	RES , CHIP ARRAY	22 ohm 1/16W 5% CN24J220	1
R2053	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2054	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R2055	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R2056	CRJ10DJ681T	RES , CHIP	680 ohm 1/16W 5% 0603	1
R2057	CRJ064IJ470T	RES , CHIP ARRAY	47 OHM 5% 1/16W 1005 X 4	1
R2058	CRJ064IJ470T	RES , CHIP ARRAY	47 OHM 5% 1/16W 1005 X 4	1
R2059	CRJ064IJ470T	RES , CHIP ARRAY	47 OHM 5% 1/16W 1005 X 4	1
R2060	CRJ064IJ470T	RES , CHIP ARRAY	47 OHM 5% 1/16W 1005 X 4	1
R2061	CRJ064IJ470T	RES , CHIP ARRAY	47 OHM 5% 1/16W 1005 X 4	1
R2062	CRJ064IJ470T	RES , CHIP ARRAY	47 OHM 5% 1/16W 1005 X 4	1
R2063	CRJ064IJ470T	RES , CHIP ARRAY	47 OHM 5% 1/16W 1005 X 4	1
R2064	CRJ064IJ470T	RES , CHIP ARRAY	47 OHM 5% 1/16W 1005 X 4	1
R2065	CRJ064IJ470T	RES , CHIP ARRAY	47 OHM 5% 1/16W 1005 X 4	1
R2066	CRJ064IJ470T	RES , CHIP ARRAY	47 OHM 5% 1/16W 1005 X 4	1
R2067	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2068	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2069	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2070	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2071	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2072	CRJ10DJ220T	RES , CHIP	22 ohm 1/16W 5% 0603	1
R2073	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R2074	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R2075	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R2076	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R2077	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2078	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2079	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
Ref. #	**Part Number**	**Description**	**Value**	**Qty**

	COP12041B	AVR755 HDMI PCB ASS'Y		1
R2080	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2081	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R2082	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R2083	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2084	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2085	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2086	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2087	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2088	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R2089	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2090	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2091	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2092	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2093	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2094	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R2095	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2096	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2097	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2098	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R2100	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2101	CRJ10DJ750T	RES , CHIP	75 ohm 1/16W 5% 0603	1
R2103	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2104	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2105	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2106	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2107	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2108	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2109	CRJ10DF57R6T	RES . CHIP(57.6 ohm 1/16W 1% 1608)	57.6 ohm 1/16W 1% 0603	1
R2110	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2111	CRJ10DJ200T	RES , CHIP(1/10W, 20OHM,1608)	1/10W, 20OHM,1608	1
R2112	CRJ10DJ200T	RES , CHIP(1/10W, 20OHM,1608)	1/10W, 20OHM,1608	1
R2113	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2114	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2115	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2116	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2117	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2118	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2119	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R2120	CRJ10DJ200T	RES , CHIP(1/10W, 20OHM,1608)	1/10W, 20OHM,1608	1
R2121	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2122	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2123	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2124	CRJ10DJ750T	RES , CHIP	75 ohm 1/16W 5% 0603	1
R2125	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2126	CRJ10DF57R6T	RES . CHIP(57.6 ohm 1/16W 1% 1608)	57.6 ohm 1/16W 1% 0603	1
R2127	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2128	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2129	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2130	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R2131	CRJ10DJ200T	RES , CHIP(1/10W, 20OHM,1608)	20 ohm 1/16W 5% 0603	1
R2133	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R2134	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2135	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2136	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2137	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2138	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2139	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2140	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2141	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2142	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2143	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2144	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R2145	CRJ10DJ200T	RES , CHIP(1/10W, 20OHM,1608)	1/10W, 20OHM,1608	1
R2146	CRJ062IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X2)	MNR02M0APJ330	1
R2147	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R2148	CRJ10DJ200T	RES , CHIP(1/10W, 20OHM,1608)	1/10W, 20OHM,1608	1
R2149	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R2151	CRJ10DJ330T	RES , CHIP	1608 SIZE	1
R2152	CRJ10DJ200T	RES , CHIP(1/10W, 20OHM,1608)	1/10W, 20OHM,1608	1
R2153	CRJ10DJ200T	RES , CHIP(1/10W, 20OHM,1608)	1/10W, 20OHM,1608	1
R2154	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R2155	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2156	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2157	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2158	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2159	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2160	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2161	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2162	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2163	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2164	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2165	CRJ10DJ220T	RES , CHIP	22 ohm 1/16W 5% 0603	1
R2166	CRJ10DJ200T	RES , CHIP(1/10W, 20OHM,1608)	1/10W, 20OHM,1608	1
R2167	CRJ10DF57R6T	RES . CHIP(57.6 ohm 1/16W 1% 1608)	57.6 ohm 1/16W 1% 0603	1
R2169	CRJ10DF57R6T	RES . CHIP(57.6 ohm 1/16W 1% 1608)	57.6 ohm 1/16W 1% 0603	1
R2170	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
Ref. #	**Part Number**	**Description**	**Value**	**Qty**
	COP12041B	AVR755 HDMI PCB ASS'Y		1

R2171	CRJ062IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X2)	33 ohm 1/16W 5% CN22J330	1
R2172	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2173	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2174	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	33 ohm 1/16W 5% CN24J330	1
R2176	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2177	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2178	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2180	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2181	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	33 ohm 1/16W 5% CN24J330	1
R2182	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2183	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2184	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2185	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2186	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2187	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2189	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2190	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2191	CRJ062IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X2)	33 ohm 1/16W 5% CN22J330	1
R2192	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2193	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2194	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2195	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2198	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2199	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2200	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	33 ohm 1/16W 5% CN24J330	1
R2201	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2202	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	33 ohm 1/16W 5% CN24J330	1
R2203	CRJ062IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X2)	33 ohm 1/16W 5% CN22J330	1
R2204	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	33 ohm 1/16W 5% CN24J330	1
R2205	CRJ062IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X2)	33 ohm 1/16W 5% CN22J330	1
R2206	CRJ062IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X2)	33 ohm 1/16W 5% CN22J330	1
R2207	CRJ062IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X2)	33 ohm 1/16W 5% CN22J330	1
R2209	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2210	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2211	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2212	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2213	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2214	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2215	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2216	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2217	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2218	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2219	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2220	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2221	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2222	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2223	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2224	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2225	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2227	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2229	CRJ10DJ220T	RES , CHIP	22 ohm 1/16W 5% 0603	1
R2231	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2232	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2233	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2234	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2236	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2237	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2238	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2239	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2240	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2241	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2245	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2247	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2248	CRJ10DJ750T	RES , CHIP	75 ohm 1/16W 5% 0603	1
R2249	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2250	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2251	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2252	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2253	CRJ10DJ750T	RES , CHIP	75 ohm 1/16W 5% 0603	1
R2254	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R2255	CRJ10DJ112T	RES , CHIP	1.1K ohm 1/16W 5% 0603	1
R2256	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2257	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R2258	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R2259	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2260	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2261	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R2262	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R2263	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2264	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2265	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R2389	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2390	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2391	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2392	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2393	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
Ref. #	**Part Number**	**Description**	**Value**	**Qty**
	COP12041B	**AVR755 HDMI PCB ASS'Y**		**1**
R2394	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1

R2422	CRJ10DJ511T	RES , CHIP	510 ohm 1/16W 5% 0603	1
R2423	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2424	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
V2000	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2001	CRVEGA10603V12A1B	VARISTER , CHIP(12V, 0.2PF, 1608, EGA)	EGA10603V12A1-B	1
V2002	CRVEGA10603V12A1B	VARISTER , CHIP(12V, 0.2PF, 1608, EGA)	EGA10603V12A1-B	1
V2003	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2004	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2005	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2006	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2007	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2008	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2009	CRVEGA10603V12A1B	VARISTER , CHIP(12V, 0.2PF, 1608, EGA)	EGA10603V12A1-B	1
V2010	CRVEGA10603V12A1B	VARISTER , CHIP(12V, 0.2PF, 1608, EGA)	EGA10603V12A1-B	1
V2011	CRVEGA10603V12A1B	VARISTER , CHIP(12V, 0.2PF, 1608, EGA)	EGA10603V12A1-B	1
V2012	CRVEGA10603V12A1B	VARISTER , CHIP(12V, 0.2PF, 1608, EGA)	EGA10603V12A1-B	1
V2013	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2014	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2015	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2016	CRVEGA10603V12A1B	VARISTER , CHIP(12V, 0.2PF, 1608, EGA)	EGA10603V12A1-B	1
V2017	CRVEGA10603V12A1B	VARISTER , CHIP(12V, 0.2PF, 1608, EGA)	EGA10603V12A1-B	1
V2018	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2019	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2020	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2021	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2022	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2023	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2024	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2025	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2026	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2027	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2028	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2029	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2030	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2031	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2032	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2033	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2034	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2035	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2036	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2038	CRVEGA10603V12A1B	VARISTER , CHIP(12V, 0.2PF, 1608, EGA)	EGA10603V12A1-B	1
V2039	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2040	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2041	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2042	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2043	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2044	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2045	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2046	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2047	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2048	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2049	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2050	CRVEGA10603V12A1B	VARISTER , CHIP(12V, 0.2PF, 1608, EGA)	EGA10603V12A1-B	1
V2051	CRVEGA10603V12A1B	VARISTER , CHIP(12V, 0.2PF, 1608, EGA)	EGA10603V12A1-B	1
V2052	CRVEGA10603V12A1B	VARISTER , CHIP(12V, 0.2PF, 1608, EGA)	EGA10603V12A1-B	1
V2053	CRVEGA10603V12A1B	VARISTER , CHIP(12V, 0.2PF, 1608, EGA)	EGA10603V12A1-B	1
V2055	CRVEGA10603V12A1B	VARISTER , CHIP(12V, 0.2PF, 1608, EGA)	EGA10603V12A1-B	1
X2002	COX19660E330S	X-TAL, CHIP, 19.6608 MHz (33P)	19.6608MHz HC-49/SMD 33PF	1
C2040	CCEA1AH101T	CAP , ELECT	100UF 10V	1
C2050	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C2051	CCEA0JH102T	CAP , ELECT	1000UF 6.3V	1
C2052	CCEA1CH470T	CAP , ELECT	47UF 16V	1
C2053	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C2054	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C2301	CCEA1AH101T	CAP , ELECT	100UF 10V	1
C2318	CCEA1CH470T	CAP , ELECT	47UF 16V	1
Q2000	HVTKRA107MT	T.R	KRA107M	1
Q2001	HVTKRA107MT	T.R	KRA107M	1
S2000	CST1A024ZT	SW , TACT		1
X2000	COX07372E120TF	X-TAL , HC-49/S, (7.3728MHz 12pF ,WOOIN)		1
X2001	COX28322E180TF	CRYSTAL(HC-49/S,ATS)		1
IC2029	CVIFAN1084TZA	I.C , HEAT SINK ASS'Y(FAN1084T + CMY2A223)	FAN1084+CMY2A223, FAIRCHILD	1
	CHD1A012R	SCREW , SPECIAL		1
	CMY2A223	HEAT SINK		1
	CVIFAN1084T	I.C , REGULATOR 4.5A LDO T0-220	FAN1084T	1
	K8AYG6260	COMPOUND , SILICONE		0.2
IC2035	CVIKIA278R33PIVA	I.C , HEAT SINK ASS'Y (KIA278R33PI + CMY2A223)	KIA278R33PI+CMY2A223, KEC	1
	CHD1A012R	SCREW , SPECIAL		1
	CMY2A223	HEAT SINK		1
	HVIKIA278R33PI	REGULATOR(3.3V OUTPUT LOWDROP)	KIA278R33PI	1
	K8AYG6260	COMPOUND , SILICONE		0.2
JA2000	CJJ2D008Z	EP-1401A		1
JA2001	CJJ2D008Z	EP-1401A		1
JA2002	CJJ2D008Z	EP-1401A		1
JA2003	CJJ2D008Z	EP-1401A		1
Ref. #	**Part Number**	**Description**	**Value**	**Qty**
	COP12041B	**AVR755 HDMI PCB ASS'Y**		**1**
JA2004	CJJ2D008Z	EP-1401A		1
JA2005	CJJ2D008Z	EP-1401A		1

N2000	CJP17GB116ZY	GF120-17S-LS 1.25mm 17P		1
N2001	CJP11GB116ZY	GF120-11S-LS 1.25mm 11P		1
N2002	CJP29GB116ZY	GF120-29S-LS 1.25mm 29P	12511HR SERIES	1
N2003	CJP40GA227ZB	PAS2252-2001A46B1BA		1
N2007	CWB1B004080GN	4P WIRE ASS'Y(80MM, 2.0MM)		1
P2002	CJP04GA228ZB	PIN HEADER(4P, 2.54mm, FAM150A-04G002-6T)	FAM150	1
P2005	CJP07GB03ZY	5268-07A 2.5mm 7P WHT ANGLE		1
P2006	CJP04GB48ZW	GIL-S-04P-S2L2-EF 4P		1
P2007	CJP05GB48ZW	GIL-S-05P-S2L2-EF 5P		1
P2020	CJP02GB03ZY	5268-02A 2.5mm 2P WHT ANGLE	YEONHO YM025 SERIES	1
Ref. #	**Part Number**	**Description**	**Value**	**Qty**
	COP12042E	**AVR650EU PROCESSOR PCB ASS'Y**		**1**
C1151	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1152	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1155	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1156	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1157	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1158	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1159	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1160	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1161	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1162	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1163	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1164	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1165	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1166	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1167	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1168	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1173	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1174	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1175	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1176	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1177	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1178	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1179	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1180	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1181	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1182	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1183	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1184	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1187	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1188	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1189	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1190	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1191	CCUS1H151JA	CAP , CHIP	150PF 50V J	1
C1192	CCUS1H151JA	CAP , CHIP	150PF 50V J	1
C1193	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1194	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1195	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1196	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1197	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1198	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1199	CCUS1H121JA	CAP , CHIP	120PF 50V J	1
C1200	CCUS1H121JA	CAP , CHIP	120PF 50V J	1
C1205	CCUS1H151JA	CAP , CHIP	150PF 50V J	1
C1206	CCUS1H151JA	CAP , CHIP	150PF 50V J	1
C1207	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1208	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1209	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1211	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1212	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1213	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1214	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1215	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1216	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1217	CCUS1H330JA	CAP , CHIP	33PF 50V J	1
C1218	CCUS1H330JA	CAP , CHIP	33PF 50V J	1
C1219	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1220	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1221	CCUS1H151JA	CAP , CHIP	150PF 50V J	1
C1222	CCUS1H151JA	CAP , CHIP	150PF 50V J	1
D1003	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
IC1015	HVINJM2068MDTE1	I.C , OP AMP	NJM2068MD-TE1	1
IC1016	HVINJM2068MDTE1	I.C , OP AMP	NJM2068MD-TE1	1
IC1017	CVITC9273CFG	I.C , ANALOG SW(3.0V, 10X2CH, SOP-28)	TC9273CFG , TOSHIBA	1
IC1018	HVINJM2068MDTE1	I.C , OP AMP	NJM2068MD-TE1	1
IC1019	HVINJM2068MDTE1	I.C , OP AMP	NJM2068MD-TE1	1
IC1020	HVINJM2068MDTE1	I.C , OP AMP	NJM2068MD-TE1	1
IC1022	HVINJM2068MDTE1	I.C , OP AMP	NJM2068MD-TE1	1
IC1023	HVINJM2068MDTE1	I.C , OP AMP	NJM2068MD-TE1	1
IC1024	HVINJM2068MDTE1	I.C , OP AMP	NJM2068MD-TE1	1
IC1025	HVINJM2068MDTE1	I.C , OP AMP	NJM2068MD-TE1	1

Ref. #	Part Number	Description	Value	Qty
	COP12042E	**AVR650EU PROCESSOR PCB ASS'Y**		**1**
Q1028	HVTKRA107S	TR, CHIP	KRA107S SOT-23	1
Q1029	HVTKRA107S	TR, CHIP	KRA107S SOT-23	1
Q1031	HVTKRC107S	T.R , CHIP	KRC107S SOT-23	1
Q1036	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304 SOT-23	1
Q1037	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304 SOT-23	1
Q1039	HVTKRA107S	TR, CHIP	KRA107S SOT-23	1
Q1046	HVTKRA107S	TR, CHIP	KRA107S SOT-23	1
Q1049	HVTKRA107S	TR, CHIP	KRA107S SOT-23	1
Q1050	HVTKRA107S	TR, CHIP	KRA107S SOT-23	1
Q1051	HVTKRA107S	TR, CHIP	KRA107S SOT-23	1
Q1052	HVTKRA107S	TR, CHIP	KRA107S SOT-23	1
Q1053	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304 SOT-23	1
Q1054	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304 SOT-23	1
R1101	CRJ10DJ823T	RES , CHIP	82K ohm 1/16W 5% 0603	1
R1102	CRJ10DJ823T	RES , CHIP	82K ohm 1/16W 5% 0603	1
R1103	CRJ10DJ823T	RES , CHIP	82K ohm 1/16W 5% 0603	1
R1104	CRJ10DJ823T	RES , CHIP	82K ohm 1/16W 5% 0603	1
R1105	CRJ10DJ823T	RES , CHIP	82K ohm 1/16W 5% 0603	1
R1106	CRJ10DJ823T	RES , CHIP	82K ohm 1/16W 5% 0603	1
R1107	CRJ10DJ823T	RES , CHIP	82K ohm 1/16W 5% 0603	1
R1108	CRJ10DJ823T	RES , CHIP	82K ohm 1/16W 5% 0603	1
R1109	CRJ10DJ823T	RES , CHIP	82K ohm 1/16W 5% 0603	1
R1110	CRJ10DJ823T	RES , CHIP	82K ohm 1/16W 5% 0603	1
R1112	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1113	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1116	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1117	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1118	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1119	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1120	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1121	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1122	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1123	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1124	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1125	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1126	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1127	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1128	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1129	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1132	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1133	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1134	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1135	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1136	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1137	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1138	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1139	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1140	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1141	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1142	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1143	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1144	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1145	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1146	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1147	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1148	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1149	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1150	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1151	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1152	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1153	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1154	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1155	CRJ10DJ512T	RES , CHIP	5K1 ohm 1/16W 5% 0603	1
R1156	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1157	CRJ10DJ512T	RES , CHIP	5K1 ohm 1/16W 5% 0603	1
R1158	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1159	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1160	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1161	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1164	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1165	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1166	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1167	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1168	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1169	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1170	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1171	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1172	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1173	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1174	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1175	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1176	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1177	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1178	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1179	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1180	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
Ref. #	**Part Number**	**Description**	**Value**	**Qty**

	COP12042E	AVR650EU PROCESSOR PCB ASS'Y		1
R1181	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1182	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1185	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1186	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1187	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1188	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1189	CRJ10DJ100T	RES , CHIP	10 ohm 1/16W 5% 0603	1
R1190	CRJ10DJ100T	RES , CHIP	10 ohm 1/16W 5% 0603	1
R1191	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1192	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1193	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1194	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1195	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1196	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1197	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1198	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1201	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1202	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1203	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1204	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1205	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1206	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1207	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1208	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1209	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1212	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1213	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1214	CRJ10DJ820T	RES , CHIP	82 ohm 1/16W 5% 0603	1
R1215	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1216	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1217	CRJ10DJ820T	RES , CHIP	82 ohm 1/16W 5% 0603	1
R1218	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1219	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1220	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1221	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1222	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1223	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1224	CRJ10DJ432T	RES , CHIP	4K3 ohm 1/16W 5% 0603	1
R1225	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1226	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1227	CRJ10DJ432T	RES , CHIP	4K3 ohm 1/16W 5% 0603	1
R1228	CRJ10DJ272T	RES , CHIP	2K7 ohm 1/16W 5% 0603	1
R1229	CRJ10DJ272T	RES , CHIP	2K7 ohm 1/16W 5% 0603	1
R1230	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1231	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1232	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1233	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1234	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1235	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1236	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1237	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1238	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1239	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1240	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1241	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1242	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1243	CRJ10DJ122T	RES , CHIP	1K2 ohm 1/16W 5% 0603	1
R1244	CRJ10DJ122T	RES , CHIP	1K2 ohm 1/16W 5% 0603	1
R1245	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1246	CRJ10DJ430T	RES , CHIP(43ohm,1/10W ,5%,1608)	43 ohm 1/16W 5% 0603	1
R1247	CRJ10DJ430T	RES , CHIP(43ohm,1/10W ,5%,1608)	43 ohm 1/16W 5% 0603	1
R1251	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1252	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1253	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1254	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1258	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1259	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1260	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1261	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1262	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1263	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1264	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1265	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1266	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1267	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1268	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1269	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1270	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1271	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1272	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1273	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1274	CRJ10DJ202T	RES , CHIP	2K ohm 1/16W 5% 0603	1
R1275	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1276	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1277	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1278	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
Ref. #	**Part Number**	**Description**	**Value**	**Qty**
	COP12042E	AVR650EU PROCESSOR PCB ASS'Y		1

R1279	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1280	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1281	CRJ10DJ123T	RES , CHIP	12K ohm 1/16W 5% 0603	1
R1283	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1284	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1285	CRJ10DJ123T	RES , CHIP	12K ohm 1/16W 5% 0603	1
R1286	CRJ10DJ911T	RES , CHIP	910 ohm 1/16W 5% 0603	1
R1288	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1289	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1290	CRJ10DJ911T	RES , CHIP	910 ohm 1/16W 5% 0603	1
R1292	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1293	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1294	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1295	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1298	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1299	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1300	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1301	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1303	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1304	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1309	CRJ10DJ100T	RES , CHIP	10 ohm 1/16W 5% 0603	1
R1310	CRJ10DJ100T	RES , CHIP	10 ohm 1/16W 5% 0603	1
R1312	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1313	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1314	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1315	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1316	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1317	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1318	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1319	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1321	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1322	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1323	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1325	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1328	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1329	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1330	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1331	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1332	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1333	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1334	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1335	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1336	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1337	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1338	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1339	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1340	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1341	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1342	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1343	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1344	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1345	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1347	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1354	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1359	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1366	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1367	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1368	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1369	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1370	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1371	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1372	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1373	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1374	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1375	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1376	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1377	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1378	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1379	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1380	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1381	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1382	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1383	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1384	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1385	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1386	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1387	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1388	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1389	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1390	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1391	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1392	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1393	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1394	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1395	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1396	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
Ref. #	**Part Number**	**Description**	**Value**	**Qty**
	COP12042E	**AVR650EU PROCESSOR PCB ASS'Y**		**1**
R1397	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1

R1398	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1399	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1400	CRJ10DJ221T	RES , CHIP	220 ohm 1/16W 5% 0603	1
R1401	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1402	CRJ10DJ221T	RES , CHIP	220 ohm 1/16W 5% 0603	1
R1403	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1404	CRJ10DJ221T	RES , CHIP	220 ohm 1/16W 5% 0603	1
R1405	CRJ10DJ221T	RES , CHIP	220 ohm 1/16W 5% 0603	1
R1406	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1411	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1412	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1413	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1414	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
	CIP12042ETSMD	AVR650EU PROCESSOR PCB TOP SMD ASS'Y		1
	CUP12042Y	PCB , PROSESSOR AVR755 (188X228, FR4/2)		1
C1004	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1005	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1026	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1036	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1039	CCUS1H151JA	CAP , CHIP	150PF 50V J	1
C1040	CCUS1H151JA	CAP , CHIP	150PF 50V J	1
C1047	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1048	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1059	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1063	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1074	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1081	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1084	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1085	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1089	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1122	CCUS1H151JA	CAP , CHIP	150PF 50V J	1
C1123	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1124	CCUS1H151JA	CAP , CHIP	150PF 50V J	1
C1125	CCUS1H151JA	CAP , CHIP	150PF 50V J	1
C1126	CCUS1H151JA	CAP , CHIP	150PF 50V J	1
C1127	CCUS1H151JA	CAP , CHIP	150PF 50V J	1
C1128	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1129	CCUS1H560JA	CAP , CHIP	56PF 50V J	1
C1130	CCUS1H560JA	CAP , CHIP	56PF 50V J	1
C1131	CCUS1H330JA	CAP , CHIP	33PF 50V J	1
C1132	CCUS1H560JA	CAP , CHIP	56PF 50V J	1
C1133	CCUS1H560JA	CAP , CHIP	56PF 50V J	1
C1134	CCUS1H560JA	CAP , CHIP	56PF 50V J	1
C1135	CCUS1H330JA	CAP , CHIP	33PF 50V J	1
C1136	CCUS1H271JA	CAP , CHIP	270PF 50V J	1
C1145	CCUS1H271JA	CAP , CHIP	270PF 50V J	1
C1148	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1149	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
D1004	HVDUDZS5.1BSR	DIODE , ZENER (CHIP,5.1V)	UDZS 5.1B 5.1V 200mW UMD2	1
IC1000	CVITC9273CFG	I.C , ANALOG SW(3.0V, 10X2CH, SOP-28)	TC9273CFG , TOSHIBA	1
IC1001	HVITC9162CFG	I.C , FUNCTION SW	TC9162CFG SOP28	1
IC1002	HVINJM2068MDTE1	I.C , OP AMP	NJM2068MD-TE1	1
IC1003	HVITC9163CFG	I.C , FUNCTION SW	TC9163CFG SOP28	1
IC1004	HVINJM2068MDTE1	I.C , OP AMP	NJM2068MD-TE1	1
IC1006	HVITC9482BFG	I.C , 6CH VOLUME	TC9482BFG SOP28	1
IC1007	HVITC9482BFG	I.C , 6CH VOLUME	TC9482BFG SOP28	1
IC1008	HVINJM2068MDTE1	I.C , OP AMP	NJM2068MD-TE1	1
IC1009	HVINJM2068MDTE1	I.C , OP AMP	NJM2068MD-TE1	1
IC1010	HVINJM2068MDTE1	I.C , OP AMP	NJM2068MD-TE1	1
IC1011	HVINJM2068MDTE1	I.C , OP AMP	NJM2068MD-TE1	1
IC1012	HVINJM2068MDTE1	I.C , OP AMP	NJM2068MD-TE1	1
IC1013	HVINJM2068MDTE1	I.C , OP AMP	NJM2068MD-TE1	1
Q1000	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1001	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1002	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1003	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1004	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1005	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1008	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1009	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1010	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1011	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1018	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1019	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1020	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1021	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1022	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1023	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1024	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1025	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1026	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1027	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
R1000	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1001	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1002	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
Ref. #	**Part Number**	**Description**	**Value**	**Qty**
	COP12042E	**AVR650EU PROCESSOR PCB ASS'Y**		**1**
R1003	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1004	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1

R1005	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1008	CRJ10DJ753T	RES , CHIP	75K ohm 1/16W 5% 0603	1
R1009	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1010	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1011	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1012	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1013	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1014	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1015	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1016	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1017	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1018	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1019	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1020	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1021	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1022	CRJ10DJ332T	RES , CHIP	3K3 ohm 1/16W 5% 0603	1
R1023	CRJ10DJ332T	RES , CHIP	3K3 ohm 1/16W 5% 0603	1
R1024	CRJ10DJ332T	RES , CHIP	3K3 ohm 1/16W 5% 0603	1
R1025	CRJ10DJ332T	RES , CHIP	3K3 ohm 1/16W 5% 0603	1
R1026	CRJ10DJ123T	RES , CHIP	12K ohm 1/16W 5% 0603	1
R1027	CRJ10DJ123T	RES , CHIP	12K ohm 1/16W 5% 0603	1
R1028	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1029	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1030	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1032	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1033	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1034	CRJ10DJ152T	RES , CHIP	1K5 ohm 1/16W 5% 0603	1
R1035	CRJ10DJ152T	RES , CHIP	1K5 ohm 1/16W 5% 0603	1
R1037	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1038	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1039	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1045	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1046	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1047	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1048	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1049	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1051	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1052	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1053	CRJ10DJ202T	RES , CHIP	2K ohm 1/16W 5% 0603	1
R1055	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1056	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1057	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1058	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1059	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1065	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1066	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1067	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1068	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1070	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1071	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1072	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1073	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1074	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1075	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1077	CRJ10DJ562T	RES , CHIP	5K6 ohm 1/16W 5% 0603	1
R1078	CRJ10DJ562T	RES , CHIP	5K6 ohm 1/16W 5% 0603	1
R1079	CRJ10DJ562T	RES , CHIP	5K6 ohm 1/16W 5% 0603	1
R1080	CRJ10DJ152T	RES , CHIP	1K5 ohm 1/16W 5% 0603	1
R1081	CRJ10DJ152T	RES , CHIP	1K5 ohm 1/16W 5% 0603	1
R1082	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1083	CRJ10DJ562T	RES , CHIP	5K6 ohm 1/16W 5% 0603	1
R1084	CRJ10DJ562T	RES , CHIP	5K6 ohm 1/16W 5% 0603	1
R1085	CRJ10DJ152T	RES , CHIP	1K5 ohm 1/16W 5% 0603	1
R1086	CRJ10DJ432T	RES , CHIP	4K3 ohm 1/16W 5% 0603	1
R1087	CRJ10DJ152T	RES , CHIP	1K5 ohm 1/16W 5% 0603	1
R1088	CRJ10DJ432T	RES , CHIP	4K3 ohm 1/16W 5% 0603	1
R1089	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1090	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1091	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1092	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1093	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1094	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1095	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1096	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1097	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1098	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1407	CRJ10DJ202T	RES , CHIP	2K ohm 1/16W 5% 0603	1
R1408	CRJ10DJ202T	RES , CHIP	2K ohm 1/16W 5% 0603	1
R1409	CRJ10DJ202T	RES , CHIP	2K ohm 1/16W 5% 0603	1
R1410	CRJ10DJ202T	RES , CHIP	2K ohm 1/16W 5% 0603	1
C1000	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1001	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1002	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1003	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1

Ref. #	Part Number	Description	Value	Qty
	COP12042E	**AVR650EU PROCESSOR PCB ASS'Y**		**1**
C1006	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1007	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1008	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1

C1009	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1012	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1013	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1014	CCEA1CH101T	CAP , ELECT	100uF 16V +20% 5x11 SKP101M1CD11M	1
C1015	CCEA1CH101T	CAP , ELECT	100uF 16V +20% 5x11 SKP101M1CD11M	1
C1016	CCEA1HH1R0T	CAP , ELECT	1uF 50V +20% 5x11 P5MM 85C	1
C1017	CCEA1HH1R0T	CAP , ELECT	1uF 50V +20% 5x11 P5MM 85C	1
C1018	CCEA1HH1R0T	CAP , ELECT	1uF 50V +20% 5x11 P5MM 85C	1
C1019	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1020	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1021	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1022	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1037	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1038	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1043	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1044	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1045	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1046	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1049	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1050	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1051	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1052	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1053	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1054	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1061	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1062	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1075	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1076	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1077	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1078	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1086	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1087	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1088	CCEA1HH100T	CAP , ELECT	10uF 50V +20% 85C P5MM 5x11	1
C1090	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1091	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1092	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1093	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1098	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1099	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1102	CCEA1CH101T	CAP , ELECT	100uF 16V +20% 5x11 SKP101M1CD11M	1
C1103	CCEA1CH101T	CAP , ELECT	100uF 16V +20% 5x11 SKP101M1CD11M	1
C1112	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1113	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1114	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1115	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1116	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1117	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1118	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1119	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1120	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1121	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1137	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1138	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1139	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1140	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1141	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1142	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1143	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1144	CCEA1CH100T	CAP , ELECT	10uF 16V +20% 85C	1
C1146	CCEA1EH331T	CAP , ELECT	330uF 25V M 8x11 SKR331M1EF11M	1
C1147	CCEA1EH331T	CAP , ELECT	330uF 25V M 8x11 SKR331M1EF11M	1
C1223	CCEA1AH471T	CAP , ELECT	470uF 10V +20% 6.3x11 85C	1
IC1014	HVINJM4556AD	IC, OP AMP	NJM4556AD DIP8	1
JA1001	CJJ4R020Z	JACK , BOARD	RCA-601DAG-14 GOLD	1
JA1002	CJJ4R020Z	JACK , BOARD	RCA-601DAG-14 GOLD	1
JA1003	CJJ4P019Y	JACK , BOARD	RCA-401DAG-05 GOLD	1
K1000	CSL4C010ZE	RELAY , D3009(1-1462033-4) ,TYCO	D3009(1-1462033-4)	1
N1003	CJP07GB99ZY	HOUSING	35237-0710 2.0mm 7P WHT	1
N1004	CJP10GB99ZY	WAFER	35237-1010 2.0mm 10P WHT	1
N1005	CJP10GB99ZY	WAFER	35237-1010 2.0mm 10P WHT	1
P1002	CJP10GA47ZW	WAFER, 2mm	GIL-S-10P-S2T2-EF 10P	1
P1003	CJP11GA98ZM	WAFER	35336-1110 2.0mm 11P WHT	1
P1004	CJP04GA47ZW	WAFER(4P, ST 2MM)	GIL-S-4P-S2T2-EF 4P	1
P1005	CJP05GA47ZW	WAFER,2mm	GIL-S-5P-S2T2-EF 5P	1
P1006	CJP19GA98ZM	WAFER(19P, ST 2MM)	35336-1910 2.0mm 19P WHT	1
P1007	CJP05GA47ZW	WAFER,2mm	GIL-S-5P-S2T2-EF 5P	1
P1008	CJP19GA98ZM	WAFER(19P, ST 2MM)	35336-1910 2.0mm 19P WHT	1
P1009	CJP19GA98ZM	WAFER(19P, ST 2MM)	35336-1910 2.0mm 19P WHT	1
P1010	CJP10GA98ZY	WAFER	35336-1010 2.0mm 10P WHT	1
P1011	CJP04GA47ZW	WAFER(4P, ST 2MM)	GIL-S-4P-S2T2-EF 4P	1

Ref. #	Part Number	Description	Value	Qty
	COP12043F	**AVR660 POWER PCB ASS'Y**		
	CHD1A012R	SCREW , SPECIAL		1
	CHD5A012JR	SCREW		1
BD3251	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD3252	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD3253	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
C3207	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C3251	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C3253	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C3255	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C3256	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C3257	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C3258	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C3259	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
D3200	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D3203	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D3204	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D3205	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D3206	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D3210	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D3211	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D3212	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D3251	HVD1SS355T	DIODE , CHIP		1
D3252	HVDUDZS15BSR	DIODE , ZENER(CHIP,15V)		1
D3253	HVDUDZS15BSR	DIODE , ZENER(CHIP,15V)		1
D3254	HVDUDZS15BSR	DIODE , ZENER(CHIP,15V)		1
D3255	HVDUDZS15BSR	DIODE , ZENER(CHIP,15V)		1
D3256	HVD1SS355T	DIODE , CHIP		1
D3257	HVD1SS355T	DIODE , CHIP		1
IC3251	CVIMAX3223CDWR	I.C , RS-232 LINE DIRVER SOIC-16P		1
R3212	CRJ10DF7502T	RES , CHIP(75K, 1608, 1%)		1
R3213	CRJ10DF7502T	RES , CHIP(75K, 1608, 1%)		1
R3214	CRJ10DF4992T	RES , CHIP(49.9K, 1608, 1%)		1
R3215	CRJ10DF4992T	RES , CHIP(49.9K, 1608, 1%)		1
R3241	CRJ10DJ0R0T	RES , CHIP(0 OHM , 5% , 1608)	1608 SIZE	1
R3251	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R3252	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R3253	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
C3007	CCEA1EH471T	CAP , ELECT	470UF 25V	1
C3008	CCFT1H103ZF	CAP , CERAMIC	0.01UF 50V Z	1
C3009	CCFT1H103ZF	CAP , CERAMIC	0.01UF 50V Z	1
C3010	CCFT1H103ZF	CAP , CERAMIC	0.01UF 50V Z	1
C3011	CCEA1EH471T	CAP , ELECT	470UF 25V	1
C3013	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C3014	CCEA1HH1R0T	CAP , ELECT	1UF 50V	1
C3015	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C3018	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C3019	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C3020	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C3021	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C3050	CCEA1CH471T	CAP , ELECT	470UF 16V	1
C3051	CCEA1CH471T	CAP , ELECT	470UF 16V	1
C3052	CCBS1H223ZFT	CAP , CERAMIC(22000PF/50V)	CH UP025 F223Z-A-B J	1
C3060	CCEA1VKS100T	CAP , ELECT	10UF 35V	1
C3090	HCQI1H473JZT	CAP , MYLAR	0.047UF 50V J	1
C3091	HCQI1H473JZT	CAP , MYLAR	0.047UF 50V J	1
C3092	HCQI1H473JZT	CAP , MYLAR	0.047UF 50V J	1
C3103	KCME2E104JP04T	CAP , METALLIZED FILM (0.1UF/250V)		1
C3104	KCME2E104JP04T	CAP , METALLIZED FILM (0.1UF/250V)		1
C3105	KCME2E104JP04T	CAP , METALLIZED FILM (0.1UF/250V)		1
C3252	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C3254	CCFT1H104ZF	CAP , SEMICONDUCTOR	0.1UF 50V Z	1
D3001	HVD1N4148T	DIODE	1N4148	1
D3002	HVD1N4007T	DIODE		1
D3003	HVD1N4007T	DIODE		1
D3004	CVDZJ9.1BT	DIODE , ZENER 9.1V		1
D3005	HVD1N5819T	DIODE , SCHOTTKY	1N5819	1
D3006	HVD1N5819T	DIODE , SCHOTTKY	1N5819	1
D3007	HVD1N5819T	DIODE , SCHOTTKY	1N5819	1
D3008	HVD1N5819T	DIODE , SCHOTTKY	1N5819	1
D3009	HVD1N5819T	DIODE , SCHOTTKY	1N5819	1
D3010	HVD1N5819T	DIODE , SCHOTTKY	1N5819	1
D3011	HVD1N4148T	DIODE	1N4148	1
D3016	CVDZJ4.3BT	DIODE , ZENER 4.3V	ZJ4.3B 1/2W	1
D3019	CVDZJ22BT	DIODE , ZENER 22V	ZJ22B 1/2W	1
D3020	CVDZJ22BT	DIODE , ZENER 22V	ZJ22B 1/2W	1
D3021	HVD1N4007T	DIODE		1
D3022	CVD1N4003ST	DIODE , RECT	1N4003	1
D3023	HVD1N5819T	DIODE , SCHOTTKY	1N5819	1
FH3000	KJCFC5S	HOLDER , FUSE		1
FH3001	KJCFC5S	HOLDER , FUSE		1
FH3100	KJCFC5S	HOLDER , FUSE		1
FH3101	KJCFC5S	HOLDER , FUSE		1
F3010	CBA2D4000A2EYT	FUSE (LITTLE FUSE 382 SERIES) 4A 250V		1

Ref. #	Part Number	Description	Value	Qty
	COP12043F	**AVR660 POWER PCB ASS'Y**		
F3011	CBA2D4000A2EYT	FUSE (LITTLE FUSE 382 SERIES) 4A 250V		1
G3000	HJT1A025	PALTE , EARTH	MET37-0002	1
G3001	HJT1A025	PALTE , EARTH	MET37-0002	1
Q3001	CVTMPSA06ATPF	T.R , DRIVER(NPN,120V, 500mA TO-92)	MPSA06-AT/PF , KEC	1
Q3002	CVTMPSA06ATPF	T.R , DRIVER(NPN,120V, 500mA TO-92)	MPSA06-AT/PF , KEC	1
R3002	CRD20TJ103T	RES , CARBON (10K OHM , 5% , 1/5W)	10K OHM 1/5W J	1
R3003	CRD20TJ102T	RES , CARBON (1K OHM , 5% , 1/5W)	1K OHM 1/5W J	1
R3004	CRD20TJ153T	RES , CARBON (15K OHM , 5% , 1/5W)	15K OHM 1/5W J	1
R3005	CRD20TJ153T	RES , CARBON (15K OHM , 5% , 1/5W)	15K OHM 1/5W J	1
R3006	CRD20TJ1R0T	RES , CARBON (1 OHM , 5% , 1/5W)	1 OHM 1/5W J	1
R3007	CRD20TJ1R0T	RES , CARBON (1 OHM , 5% , 1/5W)	1 OHM 1/5W J	1
R3009	CRD20TJ103T	RES , CARBON (10K OHM , 5% , 1/5W)	10K OHM 1/5W J	1
R3010	CRD20TJ104T	RES , CARBON (100K OHM , 5% , 1/5W)	100K OHM 1/5W J	1
R3011	CRD20TJ222T	RES , CARBON (2.2K OHM , 5% , 1/5W)	2.2K OHM 1/5W J	1
R3012	CRD20TJ272T	RES , CARBON (2.7K OHM , 5% , 1/5W)	2.7K OHM 1/5W J	1
R3013	CRD20TJ470T	RES , CARBON (47 OHM , 5% , 1/5W)	47 OHM 1/5W J	1
R3020	CRD20TJ103T	RES , CARBON (10K OHM , 5% , 1/5W)	10K OHM 1/5W J	1
R3021	CRD20TJ473T	RES , CARBON (47K OHM , 5% , 1/5W)	47K OHM 1/5W J	1
R3022	CRD20TJ473T	RES , CARBON (47K OHM , 5% , 1/5W)	47K OHM 1/5W J	1
R3023	CRD20TJ473T	RES , CARBON (47K OHM , 5% , 1/5W)	47K OHM 1/5W J	1
R3024	CRD20TJ473T	RES , CARBON (47K OHM , 5% , 1/5W)	47K OHM 1/5W J	1
R3025	CRD20TJ473T	RES , CARBON (47K OHM , 5% , 1/5W)	47K OHM 1/5W J	1
R3026	CRD20TJ473T	RES , CARBON (47K OHM , 5% , 1/5W)	47K OHM 1/5W J	1
R3050	CRD20TJ104T	RES , CARBON (100K OHM , 5% , 1/5W)	100K OHM 1/5W J	1
	CQB1D022	A-ROHS/LABEL,SERIAL		1
	CVIAVR755PBGA	I.C HEAT SINK ASS'Y(CMY2A239)		1
	CHD1A012R	SCREW , SPECIAL		1
	CMY2A239	HEAT SINK , AVR755		1
	CTB3+8JR	SCREW		1
	CVIBA033T0I2	I.C , REGULATOR LOW DROP(3.3V, 2W, BA033T, TO-220)	BA033T , ROHM	1
	HVIKIA78R05PI	REGULATOR (5V OUTPUT LOW DROP)	KIA78R05PI	1
	K8AYG6260	COMPOUND , SILICONE		0,4
	C2K86002	SOLDER , BAR SN PB FREE	HSE-16(P) B20	10
	C2K86102	SOLDER , FLUX WIRE PB FREE(PIE 1.0)	HSE-04 W1.0	5
	C8AGB288	BOND (MAX)		2,8
	C8E534	FLUX		3
BK99	CMD1A736	BRACKET , PCB		1
BN40	CWB1C903150BM	WIRE ASS'Y(3P, 150MM, 2.5MM, #24)		1
CN40	CJP03GA01ZY	WAFER		1
C3000	HCQE2E104KDE	CAP , LINE ACROSS		1
C3001	KCKDKS472ME	CAP , CERAMIC(X1/Y2/SC)	0.0047UF/2.5KV	1
C3005	CCEA1JH471E	CAP , ELECT		1
C3006	CCEA1JH471E	CAP , ELECT		1
C3016	CCEA1HH221E	CAP , ELECT		1
C3025	CCEA1EH681ES	E.CAP 25V 680uF, 105'C		1
C3101	CCET63VKL5103NK	CAP , ELECT		1
C3102	CCET63VKL5103NK	CAP , ELECT		1
D3090	CVDKBU6GMFRS6ZA	DIODE , HEAT SINK ASS'Y (CMY2A294+KBU6GMF)	KBU6GMF+CMY2A294	1
	CHD5A012JR	SCREW		1
	CMY2A294	HEAT SINK , DIODE AVR755		1
	CVDKBU6GMFRS6	DIODE , BRIDGE(RS-6 KINK TYPE)	KBU6GMFRS6 , DELTA	1
	K8AYG6260	COMPOUND , SILICONE		0,2
D3101	CVDRS1004ZA	DIODE HEAT SINK ASS'Y(BRIDGE D , RS1004+CMY2A294)	RS1004+CMY2A294 , DELTA	1
	CHD5A012JR	SCREW		1
	CMY2A294	HEAT SINK , DIODE AVR755		1
	CVDRS1004	DIODE , BRIDGE(RS-10)		1
	K8AYG6260	COMPOUND , SILICONE		0,2
HK3251	CMC1A337	BRACKET , GND SMALL AVR755		1
IC3005	CVIKIA78R06PI	REGULATOR (6V OUTPUT LOW DROP)		1
JA3000	CJJ8A007ZD	JACK , AC INLET(2P, AC054P020A,10A, 250V)		1
JA3001	KJJ7A022Z	OUTLET , AC(EUR/1P)	A302D0061P	1
JA3201	CJJ9L010Z	JACK , IPOD CONNECTOR	MOLEX SD-52986-020	1
JA3251	CJJ9W001Z	JACK , 9P D-SUB FEMALE(RS-232C, SEMCO)		1
JK99	CJJ9B001Z	JACK, DC POWER (3PIN / 1.GND 2.OPEN 3.DC POWER)	DS-201S-3	1
N3007	CWB1B004250GN	WIRE , ASS'Y		1
N3018	CWBAVR755N102	3P WIRE ASS'Y(400MM, 3.96MM)		1
N3206	CJP11GB99ZM	WAFER		1
N3525	CJP10GB99ZY	WAFER		1
N3600	CJP02GA19ZY	WAFER , 2PIN	CJP02GA19ZY	1
P3001	CJP03GA90ZY	WAFER		1
P3002	CJP05GA01ZY	WAFER(YMW025-05R)		1
P3003	CJP11GA47ZW	WAFER(11P, ST 2MM)		1
P3004	CJP06GA90ZM	WAFER(6P, 3.96MM)		1
P3005	CJP02GA89ZM	WAFER		1
P3006	CJP02KA060ZY	WAFER		1
P3018	CJP06GA01ZY	WAFER , 6PIN		1
P3205	CJP05GA47ZW	WAFER,2mm		1
P3250	CJP04GA47ZW	WAFER(4P, ST 2MM)		1
P3535	CJP10GA98ZY	WAFER		1
RY3000	CSL1C005ZE	RELAY (DC 5V, 1C1P)	HL3-1A-5SH	1
R3008	CRG2ANJ330H	RES , METAL OXIDE FILM	33 OHM 2W J	1
R3014	CRG1ANJ4R7H	RES , METAL OXIDE FILM	4.7 OHM 1W J	1
R3015	CRG1ANJ4R7H	RES , METAL OXIDE FILM	4.7 OHM 1W J	1
R3016	CRG1ANJ100H	RES , METAL OXIDE FILM	10 OHM 1W J	1
T3001	CLT5I021ZW	TRANS , SUB		1

Ref. #	Part Number	Description	Value	Qty
	COP12045E	**AVR660 VIDEO PCB ASS'Y**		**1**
BD1501	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD1502	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD1503	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD1504	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
C1530	CCUS1H331JA	CAP , CHIP	330PF 50V J	1
C1531	CCUS1H561JA	CAP , CHIP	560PF 50V J	1
C1533	CCUS1H331JA	CAP , CHIP	330PF 50V J	1
C1576	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1577	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1578	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1609	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1610	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1611	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1613	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1615	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1622	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1623	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1656	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1660	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1664	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
D1501	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D1502	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D1503	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D1504	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D1505	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D1506	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D1507	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D1508	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D1509	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D1510	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D1513	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
D1514	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
IC1501	HVINJM2296M	I.C , VIDEO SW	NJM2296M	1
IC1502	HVINJM2296M	I.C , VIDEO SW	NJM2296M	1
IC1503	HVINJM2296M	I.C , VIDEO SW	NJM2296M	1
IC1505	CVINJM2505AFTE1	I.C , VIDEO AMP(4.5~9.0V , 200MW , MTP5)	NJM2505AF-TE1 , JRC	1
IC1506	CVINJM2505AFTE1	I.C , VIDEO AMP(4.5~9.0V , 200MW , MTP5)	NJM2505AF-TE1 , JRC	1
IC1507	CVINJM2505AFTE1	I.C , VIDEO AMP(4.5~9.0V , 200MW , MTP5)	NJM2505AF-TE1 , JRC	1
IC1513	CVIBU4094BCF	I.C , CMOS SOP-16	BU4094BCF SOP16	1
IC1514	CVIBU4094BCF	I.C , CMOS SOP-16	BU4094BCF SOP16	1
IC1521	HVINJM2586AMTE1	I.C , VIDEO SW	NJM2586M-TE1 DMP24	1
P1501	CJP40GA226ZB	FAM2501-4001A01BAB 2.54MM 40P	FAM250-40G01-6T 2.54mm 40P	1
Q1506	HVTKRC107S	T.R , CHIP	KRC107S SOT-23	1
R1500	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R1501	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R1502	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R1503	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R1504	CRJ10DF78R7T	RES, CHIP 78.7 OHM/1608/1%	78.7 ohm 1/16W 1% 0603	1
R1505	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R1506	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R1507	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R1508	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R1509	CRJ10DJ1R0T	RES , CHIP	1 ohm 1/16W 5% 0603	1
R1510	CRJ10DJ1R0T	RES , CHIP	1 ohm 1/16W 5% 0603	1
R1511	CRJ10DJ1R0T	RES , CHIP	1 ohm 1/16W 5% 0603	1
R1512	CRJ10DJ1R0T	RES , CHIP	1 ohm 1/16W 5% 0603	1
R1513	CRJ10DJ1R0T	RES , CHIP	1 ohm 1/16W 5% 0603	1
R1514	CRJ10DJ1R0T	RES , CHIP	1 ohm 1/16W 5% 0603	1
R1518	CRJ10DJ822T	RES , CHIP	8K2 ohm 1/16W 5% 0603	1
R1519	CRJ10DJ154T	RES , CHIP	150K ohm 1/16W 5% 0603	1
R1520	CRJ10DJ271T	RES , CHIP	270 ohm 1/16W 5% 0603	1
R1521	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1536	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R1537	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R1538	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R1542	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R1543	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R1544	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R1545	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1546	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1547	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1549	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1551	CRJ10DF78R7T	RES, CHIP 78.7 OHM/1608/1%	78.7 ohm 1/16W 1% 0603	1
R1552	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1553	CRJ10DF78R7T	RES, CHIP 78.7 OHM/1608/1%	78.7 ohm 1/16W 1% 0603	1
R1554	CRJ10DF78R7T	RES, CHIP 78.7 OHM/1608/1%	78.7 ohm 1/16W 1% 0603	1
R1555	CRJ10DF78R7T	RES, CHIP 78.7 OHM/1608/1%	78.7 ohm 1/16W 1% 0603	1
R1556	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1557	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1558	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1591	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1592	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1593	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1594	CRJ10DJ123T	RES , CHIP	12K ohm 1/16W 5% 0603	1

Ref. #	Part Number	Description	Value	Qty
	COP12045E	**AVR660 VIDEO PCB ASS'Y**		**1**
R1595	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1596	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1597	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1600	CRJ10DJ123T	RES , CHIP	12K ohm 1/16W 5% 0603	1
R1602	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1603	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1604	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1605	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1606	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1607	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1608	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1609	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1610	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1618	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1619	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1620	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1621	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1622	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1623	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1635	CRJ10DJ750T	RES , CHIP	75 ohm 1/16W 5% 0603	1
R1636	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R1637	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R1638	CRJ10DJ750T	RES , CHIP	75 ohm 1/16W 5% 0603	1
R1639	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R1640	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R1641	CRJ10DJ750T	RES , CHIP	75 ohm 1/16W 5% 0603	1
R1642	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R1643	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
C1501	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1502	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C1503	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1504	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1505	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1506	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C1507	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1508	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1509	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C1510	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1511	CCEA1AH471T	CAP , ELECT	470UF 10V	1
C1512	CCEA1AH471T	CAP , ELECT	470UF 10V	1
C1513	CCEA1AH471T	CAP , ELECT	470UF 10V	1
C1514	CCEA1AH471T	CAP , ELECT	470UF 10V	1
C1515	CCEA1AH471T	CAP , ELECT	470UF 10V	1
C1516	CCEA1AH471T	CAP , ELECT	470UF 10V	1
C1528	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C1529	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C1532	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C1566	CCEA0JH102T	CAP , ELECT	1000UF 6.3V	1
C1567	CCEA0JH102T	CAP , ELECT	1000UF 6.3V	1
C1568	CCEA1CH470T	CAP , ELECT	47UF 16V	1
C1572	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1573	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1614	CCEA1CH470T	CAP , ELECT	47UF 16V	1
C1617	CCEA1CH470T	CAP , ELECT	47UF 16V	1
C1620	CCEA1AH101T	CAP , ELECT	100UF 10V	1
C1621	CCEA1AH101T	CAP , ELECT	100UF 10V	1
C1624	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1625	CCEA1AH331T	CAP , ELECT	330UF 10V	1
C1626	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1627	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1628	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1629	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1651	CCEA1HH1R0T	CAP , ELECT	1UF 50V	1
C1652	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1653	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1654	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C1655	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C1657	CCEA1CH470T	CAP , ELECT	47UF 16V	1
C1658	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C1659	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C1661	CCEA1CH470T	CAP , ELECT	47UF 16V	1
C1662	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C1663	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C1665	CCEA1CH470T	CAP , ELECT	47UF 16V	1
C1666	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1667	CCEA1HH100T	CAP , ELECT	10UF 50V	1
L1502	CLQ03D470JT	COIL , RADIAL (47UH, 5%, 2.7 OHM, 192mA, 5.0MM)	EL0606RA-470J-PF , TDK	1
IC1517	HVIKIA7806API	I.C , REGULATOR +6V	KIA7806API TO-220AB	1
JA1500	CJJ9R002Z	JACK , RCA/DIN (3P, 304A, YLx3, S-VHSx3, AU PL)	RCA/DIN-304AGGG-01	1
JA1501	CJJ9P004Z	JACK , RCA/DIN (2P, 220A, YLx2, S-VHSx2, AU PL)	RCA/DIN-220AGGG-01	1
JA1503	CJJ4R036Y	JACK , RCA (6P, 610A, RD BL GN x 2, AU PL)	RCA-610AG-00-32G	1
JA1504	CJJ4R036Y	JACK , RCA (6P, 610A, RD BL GN x 2, AU PL)	RCA-610AG-00-32G	1
K1500	CSL4C010ZE	RELAY , D3009(1-1462033-4) ,TYCO	D3009(1-1462033-4)	1
K1501	CSL4C010ZE	RELAY , D3009(1-1462033-4) ,TYCO	D3009(1-1462033-4)	1
N1504	CWBAVR755N1504	6P WIRE ASS'Y(500MM, 2.0MM)	UL2547/1533#26(TA) 500mm 2mm 6P RED	1
P1500	CJP05GB48ZW	WAFER	GIL-S-05P-S2L2-EF 5P	1

Ref. #	Part Number	Description	Value	Qty
	COP12050B	**AVR755 SUB PCB ASS'Y**		**1**
C5501	KCME2E104JP04T	CAP , METALLIZED FILM	100NF 250V 20% CPM	1
C5502	KCME2E104JP04T	CAP , METALLIZED FILM	100NF 250V 20% CPM	1
C5503	KCME2E104JP04T	CAP , METALLIZED FILM	100NF 250V 20% CPM	1
C5510	HCQI1H473JZT	CAP , MYLAR	0.047UF 50V J	1
C5511	HCQI1H473JZT	CAP , MYLAR	0.047UF 50V J	1
C5512	HCQI1H473JZT	CAP , MYLAR	0.047UF 50V J	1
F5501	CBA2D4000A2EYT	FUSE (LITTLE FUSE 382 SERIES) 4A 250V		1
F5502	CBA2D4000A2EYT	FUSE (LITTLE FUSE 382 SERIES) 4A 250V		1
D5500	CVDRS1004	DIODE , BRIDGE(RS-10)	RS1004 RS-10	1
D5502	CVDKBU6GMFRS6	DIODE , BRIDGE(RS-6 KINK TYPE)	KBU6GMFRS6 , DELTA	1
N4008	CWB1B003100GN	3P WIRE ASS'Y(100MM, 2.0MM)		1
N5501	CWBAVR755N5501	WIRE , ASS'Y		1
N5503	CJP04GB99ZM	WAFER	35237-0410 2.0mm 4P WHT	1
N5504	CJP04GB99ZM	WAFER	35237-0410 2.0mm 4P WHT	1
N5505	CJP04GB99ZM	WAFER	35237-0410 2.0mm 4P WHT	1
N5506	CJP04GB99ZM	WAFER	35237-0410 2.0mm 4P WHT	1
N5507	CJP07GB99ZY	HOUSING	35237-0710 2.0mm 7P WHT	1
P5001	CJP03GA90ZY	WAFER	35313-0310 3.96mm 3P	1
P5002	CJP03GA90ZY	WAFER	35313-0310 3.96mm 3P	1
P5502	CJP02KA060ZY	WAFER	YW396-03V 7.92mm 2P	1
P5503	CJP04GA98ZM	WAFER	35336-0410 2.0mm 4P WHT	1
P5504	CJP04GA98ZM	WAFER	35336-0410 2.0mm 4P WHT	1
P5505	CJP04GA98ZM	WAFER	35336-0410 2.0mm 4P WHT	1
P5506	CJP04GA98ZM	WAFER	35336-0410 2.0mm 4P WHT	1
P5507	CJP07GA98ZY	WAFER	35336-0710 2.0mm 7P WHT	1
Q4011	CVILM19CIZ2.4V	I.C , TEMP SENSOR	LM19CIZ2.4V , NATIONAL(T I)	1

AVR 760 PARTS LIST

Ref. #	Part Number	Description	Value	Qty
	CGWAVR760	**FRONT PANEL ASS'Y**		**1**
	CBC1A162H61Z	BUTTON , POWER AVR755		1
	CBT1A1066H61	BUTTON , 9KEY AVR755		1
	CBT1A1067H61Z	BUTTON , 4 DIRECTION AVR755		1
	CBT1A1068H61Z	BUTTON , OK AVR755		1
	CBT1A1069	RETAINER, OK BUTTON AVR755		1
	CBT1A1070B24	BUTTON , STANDBY AVR755		1
	CDF1A020	SHAFT , DOOR AVR755		4
	CDG1A026	GEAR , DAMPER(DP120)		1
	CGB1A158Y	BADGE , FRONT HARMAN/KARDON		1
	CGB1A196Z	BADGE , AVR755		1
	CGL1A270	INDICATOR , STANDBY		1
	CGR1A488B24	DOOR , UNDER		1
	CGU1A416A25Z	WINDOW , FIP AVR755		1
	CGW1A448R4YB24	PANEL , FRONT AVR755/240		1
	CGX1A403Z	PLATE , DOOR AVR755		1
	CGX1A404C66Z	VENNER , AL DOOR		1
	CGX1A405C66Z	VENNER , AL FRONT		1
	CHG1A385	RUBBER , DOOR AVR755		2
	CJC1A009	MAGNET , AVR755(10X10X4t)		2
	CMC1A334	PLATE , SPRING GND(0.2T) AVR755		4
	CMD1A646	BRACKET , MAGNET AVR755		2
	CMD1A647	BRACKET , SHAFT HINGE L AVR755		2
	CMD1A648	BRACKET , SHAFT HINGE R AVR755		2
	CMZ1A129Z	FILTER , VFD AVR755		1
	CMH1A284	HOLDER , MAGNET AVR755		2
	CPE1A010	OIL PAPER		1
	CTB3+8JFZR	SCREW		1
	CTW3+8JFZR	SCREW		34
	CWC4C4A21B250BBK	CABLE , CARD (21PIN, 250MM, 1.25MM, BLACK)		1
	K4FM073	TAPE , BOTH SIDE	3M #4920	.17
	CWB4FZ32600UK	3P(2wire) WIRE ASS'Y(600MM, 3.96MM)		1
	C4B120062	TUBE , UL		0.1
SW3550	CSH1A001ZV	SWITCH		1

Ref. #	Part Number	Description	Value	Qty
	CUAAVR760	**BOTTOM CHASSIS ASS'Y**		**1**
	CDF1A021	STAND OFF(HEX M4X61.5H) AVR755		3
	CDF1A022	STAND OFF(HEX M4x87.4H) AVR755		1
	CDF1A023	STAND OFF(HEX M4X0.7 6X31.9H) AVR755		2
	CFNCF12310NXS	MOTOR , FAN(30X30X10MM,12V 5000RPM 100MM)	CF-12310N	1
	CFNCF12925HS	MOTOR , FAN(92X92X25MM,12V 2500RPM 300MM)	CF-12925HS35SB , COLORFUL	1
	CHD1A023R	SCREW , SPECIAL		4
	CHD1A036R	SCREW , SPECIAL		4
	CHD1A065R	SCREW , FLAT(2.6X4)		2
	CHE36-3	CLAMPER , WIRE		1
	CHG1A373	CUSHION , FOOT AVR350		4
	CHG1A387	SPONGE(30X30X10T) AVR755		2
	CHG1A392	CUSHION , PEF		1
	CHG1A407	RUBBER , CUSHION AVR755		2
	CHG1A444	CUSHION , DISP		2
	CHG1A445	CUSHION , BOTTOM		4
	CHR301	CLAMPER		32
	CKF2A381Y	PANEL , REAR AVR755/240		1
	CKL1A100	FOOT , R AVR755		3
	CKL1A101	FOOT , L AVR755		1
	CLT5W031ZE	TRANS , MAIN POWER AVR755 EUR(240V/50HZ)	111X90 , SEO KYUNG	1
	CLZ9Z070Z	FERRITE , CORE		1
	CMC1A339	SHIELD , DIGITAL AVR755		2
	CMC1A357	SHIELD , FORM AVR7550HD		1
	CMC1A358	SHIELD , FORM AVR7550HD		5
	CMD1A645	BRACKET , ETHER AVR755		1
	CMD1A649	CHASSIS , FRONT AVR755		1
	CMD1A650	BRACKET , TRANS BOTTOM AVR755		1
	CMD1A651	BRACKET , FRAME GUIDE AVR755		1
	CMD1A652Z	BRACKET , FAN FRONT AVR755		1
	CMD1A653Z	BRACKET , FAN REAR		1
	CMD1A654	COVER , BOTTOM AVR755		1
	CMD1A656	BRACKET , AC INLET AVR755		2
	CMD1A658	BRACKET , FRAME GUIDE AVR755		1
	CNE1A011	NUT , M4 HEXAGON CIRCULAR EX AVR755		4
	CNVMB114MW1-81	TUNER MODULE (KST-MB114MW1-81 AM/FM EUR 50US)	KST-MB011MW0-81 , KWANGSUNG	1
	CMD1A659	BRACKET , VIDEO AVR755		1
	CTB3.5+8JR	SCREW		4
	CTB3+10JFZR	SCREW		42
	CTB3+6FFZR	SCREW		11
	CTB3+6JFZR	SCREW		7
	CTB3+8JFZR	SCREW		10
	CTB3+8JFZR	SCREW		14
	CTB4+6FFZR	SCREW		12

Ref. #	Part Number	Description	Value	Qty
	CTS3+8JFZR	SCREW		8
	CTW3+6JR	SCREW		5
	CTW3+8JFZR	SCREW		22
	CUA1A283	CHASSIS , MAIN AVR755		1
	CWB1B004150GG	4P WIRE ASS'Y(150MM, 2.0MM)		1
	CWB1B009200GG	9P WIRE ASS'Y(200MM, 2.0MM)		1
	CWB4FZ32600UKA	MOMS POWER SW WIRE ASS'Y		1
	CWC4C4A11B060A08BK	CABLE , CARD		1
	CWC4C4A11B080ABK	CABLE , CARD (11PIN, 80MM, 1.25MM, BLACK)		1
	CWC4C4A17B080ABK	CABLE , CARD (17PIN, 80MM, 1.25MM, BLACK)		1
	CWC4C4A29B180ABK	CABLE , CARD (29PIN, 180MM, 1.25MM, BLACK)		1
	C8AGB288	BOND (MAX)		1
F3001	KBA2C6300TLEY	FUSE		1
F3101	KBA2C2000TLEY	FUSE	EUR (2A/250V)	1
N3204	CWBAVR755N3204	5P WIRE ASS'Y(250MM, 2.0MM)		1

Ref. #	Part Number	Description	Value	Qty
	COP12040B	**AVR755 FRONT PCB ASS'Y**		**1**
	CHG1A394	RUBBER , SENSOR AVR755		1
C3501	CCUC1H101JA	CAP , CHIP	100pF 50V CH J NP0 0805	1
C3502	CCUC1H100JA	CAP , CHIP (10PF/50V D CH 2012)	10pF 50V CH D N 0805	1
C3503	CCUC1H122KC	CAP , CHIP (1200PF/50V SL J X7R 2012)	1n2F 50V SL J X7R 0805	1
C3504	CCUC1H100JA	CAP , CHIP (10PF/50V D CH 2012)	10pF 50V CH D N 0805	1
C3505	CCUC1H122KC	CAP , CHIP (1200PF/50V SL J X7R 2012)	1n2F 50V SL J X7R 0805	1
C3507	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C3508	CCUC1H100JA	CAP , CHIP (10PF/50V D CH 2012)	10pF 50V CH D N 0805	1
C3513	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C3514	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C3515	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C3517	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C3518	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C3519	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C3520	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C3521	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C3523	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C3524	CCUC1H821JA	CAP , CHIP (820PF/50V SL J NP0 2012)	820pF 50V SL J NP0 0805	1
C3525	CCUC1H821JA	CAP , CHIP (820PF/50V SL J NP0 2012)	820pF 50V SL J NP0 0805	1
C3526	CCUS1H223KC	CAP , CHIP	0.022UF 50V K	1
C3537	CCUS1H223KC	CAP , CHIP	0.022UF 50V K	1
C3538	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C3539	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C3540	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C3541	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C3542	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C3550	CCUS1H221JA	CAP , CHIP	220PF 50V J	1
C3551	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C3552	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C3554	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C3557	CCUC2A103KC	CAP , CHIP(2012 SIZE)	0.01UF 50V K	1
C3558	CCUS1H220JA	CAP , CHIP	22PF 50V J	1
C3559	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C3560	CCUS1H222KC	CAP , CHIP	2200PF 50V K	1
C3561	CCUS1H222KC	CAP , CHIP	2200PF 50V K	1
C3562	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C3565	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
D3501	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
D3502	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
D3511	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
D3512	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
D3513	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D3514	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D3515	HVDUDZS5.1BSR	DIODE , ZENER (CHIP,5.1V)	UDZS 5.1B 5.1V 200mW UMD2	1
D3518	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
D3519	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
IC3501	HVINJM2068MDTE1	I.C , OP AMP	NJM2068MD-TE1	1
IC3502	HVI74HCU04AFNG	I.C , INVERTER	TC74HCU04AFNG(TOSHIBA)	1
L3502	CLZ9R011Z	BEAD , FERRITE (FCM2012HF-252T04 , 2.5 KOHM)	FCM2012HF-252T02 2500ohm SURFACE MT 2012	1
L3503	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)	FCM2012CF-301T04 0805	1
Q3501	HVTKTC3875SYRTK	T.R , CHIP	KTC3875S Y RTK	1
Q3502	HVTKTC3875SYRTK	T.R , CHIP	KTC3875S Y RTK	1
Q3503	HVTKTA1504SYRTK	T.R , CHIP	KTA1504S Y RTK	1
Q3504	HVTKRA107S	TR, CHIP	KRA107S SOT-23	1
Q3505	HVTKRC107S	T.R , CHIP	KRC107S SOT-23	1
Q3507	HVTKRC107S	T.R , CHIP	KRC107S SOT-23	1
Q3508	HVTKRC107S	T.R , CHIP	KRC107S SOT-23	1
Q3509	HVTKRC107S	T.R , CHIP	KRC107S SOT-23	1
R3500	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R3501	CRJ10DJ683T	RES , CHIP	68K ohm 1/16W 5% 0603	1
R3502	CRJ10DJ564T	RES , CHIP	560K ohm 1/10W 5% 0805	1
R3503	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R3504	CRJ10DJ272T	RES , CHIP	2K7 ohm 1/16W 5% 0603	1
R3505	CRJ10DJ105T	RES , CHIP	1M ohm 1/16W 5% 0603	1
R3506	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1

Ref. #	Part Number	Description	Value	Qty
R3507	CRJ10DJ105T	RES , CHIP	1M ohm 1/16W 5% 0603	1
R3511	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R3516	CRJ10DJ683T	RES , CHIP	68K ohm 1/16W 5% 0603	1
R3517	CRJ10DJ683T	RES , CHIP	68K ohm 1/16W 5% 0603	1
R3518	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R3519	CRJ10DJ563T	RES , CHIP	56K ohm 1/16W 5% 0603	1
R3522	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R3525	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R3526	CRJ10DJ122T	RES , CHIP	1K2 ohm 1/16W 5% 0603	1
R3527	CRJ10DJ152T	RES , CHIP	1K5 ohm 1/16W 5% 0603	1
R3528	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R3529	CRJ10DJ272T	RES , CHIP	2K7 ohm 1/16W 5% 0603	1
R3530	CRJ10DJ332T	RES , CHIP	3K3 ohm 1/16W 5% 0603	1
R3531	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R3532	CRJ10DJ122T	RES , CHIP	1K2 ohm 1/16W 5% 0603	1
R3533	CRJ10DJ152T	RES , CHIP	1K5 ohm 1/16W 5% 0603	1
R3534	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R3535	CRJ10DJ272T	RES , CHIP	2K7 ohm 1/16W 5% 0603	1
R3536	CRJ10DJ332T	RES , CHIP	3K3 ohm 1/16W 5% 0603	1
R3537	CRJ10DJ562T	RES , CHIP	5K6 ohm 1/16W 5% 0603	1
R3538	CRJ10DJ753T	RES , CHIP	75K ohm 1/16W 5% 0603	1
R3539	CRJ10DJ753T	RES , CHIP	75K ohm 1/16W 5% 0603	1
R3542	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R3544	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R3546	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R3547	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R3548	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R3550	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R3551	CRJ10DJ332T	RES , CHIP	3K3 ohm 1/16W 5% 0603	1
R3552	CRJ10DJ911T	RES , CHIP	910 ohm 1/16W 5% 0603	1
R3553	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R3554	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R3555	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R3556	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R3557	CRJ10DJ152T	RES , CHIP	1K5 ohm 1/16W 5% 0603	1
R3558	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R3559	CRJ10DJ750T	RES , CHIP	75 ohm 1/16W 5% 0603	1
R3562	CRJ10DJ153T	RES , CHIP	15K ohm 1/16W 5% 0603	1
C3506	CCEA1CKS470T25	CAP , ELECT (47uF/16V M 6.3X5mm P2.5mm)	47uF 16V +20% D5x7 P2.5MM 2000hours 85C	1
C3509	CCME2A473JXT	CAP , METALLIZED FILM	47NF 100V 20% CPM	1
C3510	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C3511	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C3512	CCEA1CKS470T25	CAP , ELECT (47uF/16V M 6.3X5mm P2.5mm)	47uF 16V +20% D5x7 P2.5MM 2000hours 85C	1
C3516	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C3522	CCME2A473JXT	CAP , METALLIZED FILM	47NF 100V 20% CPM	1
C3544	CCEA1AH221T	CAP , ELECT	220uF 10V +20% D6.3xL11 P5MM 85C	1
C3545	CCEA1CKS470T25	CAP , ELECT (47uF/16V M 6.3X5mm P2.5mm)	47uF 16V +20% D5x7 P2.5MM 2000hours 85C	1
C3546	CCEA1CKS470T25	CAP , ELECT (47uF/16V M 6.3X5mm P2.5mm)	47uF 16V +20% D5x7 P2.5MM 2000hours 85C	1
C3547	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)	10UF +20% 16V D4XL7 P2.5MM 2000hours	1
C3549	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)	10UF +20% 16V D4XL7 P2.5MM 2000hours	1
C3556	CCEA1CKS470T25	CAP , ELECT (47uF/16V M 6.3X5mm P2.5mm)	47uF 16V +20% D5x7 P2.5MM 2000hours 85C	1
C3566	CCEA1CKS470T25	CAP , ELECT (47uF/16V M 6.3X5mm P2.5mm)	47uF 16V +20% D5x7 P2.5MM 2000hours 85C	1
C3567	CCEA1AH221T	CAP , ELECT	220UF 10V	1
D3503	HVD1N4007T	DIODE	1N4007 1000V 1A DO-41	1
D3504	HVD1N4148T	DIODE	1N4148	1
L3501	HLQ02C4R7KT	INDUCTOR 4.7UH	AL02TB4R7K 4.7uH 1.7ohm +10%	1
L3504	HLQ02C470KT	COIL , AXAIL	AL02TB470K 47uH 5.8ohm +10%	1
Q3506	CVTMPSA06ATPF	T.R , DRIVER(NPN,120V, 500mA TO-92)	MPSA06-AT/PF , KEC	1
R3508	CRD20TJ100T	RES , CARBON	10 OHM 1/5W J	1
R3509	CRD20TJ473T	RES , CARBON	47K OHM 1/5W J	1
R3510	CRD20TJ100T	RES , CARBON	10 OHM 1/5W J	1
R3512	CRD20TJ471T	RES , CARBON	470 OHM 1/5W J	1
R3513	CRD20TJ471T	RES , CARBON	470 OHM 1/5W J	1
R3514	CRD20TJ101T	RES , CARBON	100 OHM 1/5W J	1
R3515	CRD20TJ101T	RES , CARBON	100 OHM 1/5W J	1
R3520	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R3521	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R3523	CRD20TJ681T	RES , CARBON	680 OHM 1/5W J	1
R3524	CRD20TJ122T	RES , CARBON	1.2K OHM 1/5W J	1
R3540	CRD20TJ101T	RES , CARBON	100 OHM 1/5W J	1
R3541	CRD20TJ101T	RES , CARBON	100 OHM 1/5W J	1
R3543	CRD20TJ182T	RES , CARBON	1.8K OHM 1/5W J	1
R3545	CRD20TJ101T	RES , CARBON	100 OHM 1/5W J	1
R3560	CRD20TJ2R2T	RES , CARBON	2.2 OHM 1/5W J	1
R3561	CRD20TJ2R2T	RES , CARBON	2.2 OHM 1/5W J	1
S3501	CST1A024ZT	SW , TACT		1
S3502	CST1A024ZT	SW , TACT		1
S3503	CST1A024ZT	SW , TACT		1
S3504	CST1A024ZT	SW , TACT		1
S3505	CST1A024ZT	SW , TACT		1
S3506	CST1A024ZT	SW , TACT		1
S3507	CST1A024ZT	SW , TACT		1
S3508	CST1A024ZT	SW , TACT		1
S3509	CST1A024ZT	SW , TACT		1
S3510	CST1A024ZT	SW , TACT		1

Ref. #	Part Number	Description	Value	Qty
S3511	CST1A024ZT	SW , TACT		1
S3512	CST1A024ZT	SW , TACT		1
S3513	CST1A024ZT	SW , TACT		1
S3514	CST1A024ZT	SW , TACT		1
S3515	CST1A024ZT	SW , TACT		1
	CMC1A332	SHIELD , DIGITAL AVR755		1
	CMC1A335	SHIELD , IR AVR755		1
	CMH1A285	HOLDER , VFD AVR755		1
DP3501	CFL18BT19GINK	F.I.P , AVR755(18-BT-19GINK)	18BT019GINK	1
D3505	CVD1L0345W31BOCT201V	L.E.D , WHITE	CVD1L0345W31BOCT201	1
D3506	CVD1L0345W31BOCT201V	L.E.D , WHITE	CVD1L0345W31BOCT201	1
D3507	CVD1L0345W31BOCT201V	L.E.D , WHITE	CVD1L0345W31BOCT201	1
D3508	CVD1L0345W31BOCT201V	L.E.D , WHITE	CVD1L0345W31BOCT201	1
D3509	CVD1L0345W31BOCT201W	L.E.D , WHITE	CVD1L0345W31BOCT201	1
D3510	CVD1L034FA22M0MA	L.E.D , AMBER DIFFUSED	1L034FA22M0MA001	1
JA3501	CJJ4S046Z	JACK , RCA (3P, 303, YL WH RD, AU)	RCA-303G-06	1
JA3502	CJJ9M006Z	JACK , DIN (1P, S-VHS, 434A, AU PL)	DIN-434AG	1
JA3503	HJJ2E021Z	JACK , HEADPHONE	HTJ-035-13B	1
JA3504	HJSTORX177L	MODULE , OPTICAL(RX)	TORX177L	1
JA3505	CJJ4M061Z	JACK , RCA (1P, 107BAG, OR, AU PL)	RCA-107BAG-02 ORANGE	1
JA3506	HJJ2E017Z	JACK	HTJ064-05BG	1
JA3507	CJJ9X007Z	JACK , USB (GOLD)	317AE04XXA100X	1
N3501	CWB1B011400GN	11P WIRE ASS'Y(400MM, 2.0MM)	UL1007#26(TA) 400mm 2mm 11P RED	1
N3502	CWB1C004080GN	4P WIRE ASS'Y(80MM, 2.0MM)	UL1007#26(TA) 80mm 2mm 4P RED	1
N3503	CJP21GB116ZY	WAFER	GF120-21S-LS 1.25mm 21P	1
N3504	CWB1B007200GN	7P WIRE ASS'Y(200MM, 2.0MM)	UL1007#26(TA) 200mm 2mm 7P RED	1
N3505	CWB1C005150GN	5P WIRE ASS'Y(150MM, 2.0MM)	UL1007#26(TA) 150mm 2mm 5P RED	1
N3506	CWB1B003080GN	3P WIRE ASS'Y(80MM, 2.0MM)	UL1007#26(TA) 80mm 2mm 3P RED	1
N3507	CWBAVR755N3507	5P WIRE ASS'Y (550MM,2.0MM)	UL2547/1533#26(TA) 550mm 2mm 5P RED	1
N3509	CWBAVR755N3509	5P WIRE ASS'Y(700MM, 2.0MM)	UL1007/1533#24(TA) 700mm 2mm 5P RED	1
N3510	CWBAVR755N3510	4P WIRE ASS'Y(250MM, 2.0MM)	UL2547/1007#26(TA) 250mm 2mm 4P RED	1
N3511	CWBAVR755N3511	5P WIRE ASS'Y (350MM,2.0MM)	UL2725+ABE USB2.0 350mm 2mm 5P RED	1
N3516	CWB1B003080GN	3P WIRE ASS'Y(80MM, 2.0MM)	UL1007#26(TA) 80mm 2mm 3P RED	1
N3521	CJP10GB99ZY	WAFER	35237-1010 2.0mm 10P WHT	1
N3522	CJP19GB99ZM	WAFER(19P, AN 2MM)	35237-1910 2.0mm 19P WHT	1
N3523	CJP19GB99ZM	WAFER(19P, AN 2MM)	35237-1910 2.0mm 19P WHT	1
N3524	CJP16GB99ZM	WAFER(16P, AN 2MM)	35237-1610 2.0mm 16P WHT	1
N3525	CJP10GB99ZY	WAFER	35237-1010 2.0mm 10P WHT	1
N3526	CJP19GB99ZM	WAFER(19P, AN 2MM)	35237-1910 2.0mm 19P WHT	1
N3527	CJP07GB99ZY	HOUSING	35237-0710 2.0mm 7P WHT	1
N3528	CJP10GB99ZY	WAFER	35237-1010 2.0mm 10P WHT	1
P3508	CJP06GA47ZW	WAFER,2mm	GIL-S-6P-S2T2-EF 6P	1
P3512	CJP04GB48ZW	WAFER(4P, AN 2MM)	GIL-S-04P-S2L2-EF 4P	1
P3513	CJP05GA47ZW	WAFER,2mm	GIL-S-5P-S2T2-EF 5P	1
P3515	CJP03GB48ZW	WAFER (3PIN, AN, 2MM, JWT)	GIL-S-03P-S2L2-EF 3P	1
P3517	CJP03GB48ZW	WAFER (3PIN, AN, 2MM, JWT)	GIL-S-03P-S2L2-EF 3P	1
P3531	CJP10GA98ZY	WAFER	35336-1010 2.0mm 10P WHT	1
P3532	CJP19GA98ZM	WAFER(19P, ST 2MM)	35336-1910 2.0mm 19P WHT	1
P3533	CJP19GA98ZM	WAFER(19P, ST 2MM)	35336-1910 2.0mm 19P WHT	1
P3534	CJP16GA98ZM	WAFER(16P, ST 2MM)	35336-1610 2.0mm 16P WHT	1
P3535	CJP10GA98ZY	WAFER	35336-1010 2.0mm 10P WHT	1
P3536	CJP19GA98ZM	WAFER(19P, ST 2MM)	35336-1910 2.0mm 19P WHT	1
P3537	CJP07GA98ZY	WAFER	35336-0710 2.0mm 7P WHT	1
P3538	CJP10GA98ZY	WAFER	35336-1010 2.0mm 10P WHT	1
P3540	CJP10GA98ZY	WAFER	35336-1010 2.0mm 10P WHT	1
RM3501	CRVKSM603TE2E	SENSOR , REMOCON	KSM-603TE2E	1
RM3502	CRVLP-200TL	DIODE , PIN PHOTO DIODE LP-200TL	LP-200TL	1
VR3501	CSR2A046Z	ENCODER , SW EC12E242803	EC121102F2B-HA1-004	1

Ref. #	Part Number	Description	Value	Qty
	CMYAVR755/240M	**MAIN HEAT SINK ASS'Y**		
	CMYAVR755MA	MAIN SUB HEAT SINK ASS'Y		1
	CHD1A012R	SCREW , SPECIAL		19
	CMX1A262	MICA , TR WITH CHINA		8
	CMY1A291	HEAT SINK , MAIN AVR755		1
	K8AYG6260	COMPOUND , SILICONE		3
IC230	CVIKIA578R033PI	I.C , REGULATOR 5A (TO-220IS-4)	KIA578R033PI	1
IC231	HVIKIA7805API	REGULATOR, +5V	7805API (KEC)	1
IC232	HVIKIA278R06PI	REGULATOR (6V OUTPUT LOW DROP)	KIA278R06	1
Q329	HVT2SA1859A	T.R , DRIVER		1
Q330	HVT2SA1859A	T.R , DRIVER		1
Q331	HVT2SC4883A	T.R , DRIVER		1
Q332	HVT2SC4883A	T.R , DRIVER		1
Q333	CVT2SC5358R	T.R , POWER(NPN 230V,15A, HFE:55~110, 80W)	2SC535R-R , TOSHIBA	1
Q334	CVT2SC5358R	T.R , POWER(NPN 230V,15A, HFE:55~110, 80W)	2SC535R-R , TOSHIBA	1
Q335	CVT2SA1986R	T.R , POWER(PNP 230V,15A, HFE:55~110, 80W)	2SC1986-R , TOSHIBA	1
Q336	CVT2SA1986R	T.R , POWER(PNP 230V,15A, HFE:55~110, 80W)	2SC1986-R , TOSHIBA	1
Q433	HVT2SA1859A	T.R , DRIVER		1
Q434	HVT2SA1859A	T.R , DRIVER		1
Q435	HVT2SC4883A	T.R , DRIVER		1
Q436	HVT2SC4883A	T.R , DRIVER		1
Q437	CVT2SC5358R	T.R , POWER(NPN 230V,15A, HFE:55~110, 80W)	2SC535R-R , TOSHIBA	1

Ref. #	Part Number	Description	Value	Qty
Q438	CVT2SC5358R	T.R , POWER(NPN 230V,15A, HFE:55~110, 80W)	2SC535R-R , TOSHIBA	1
Q439	CVT2SA1986R	T.R , POWER(PNP 230V,15A, HFE:55~110, 80W)	2SC1986-R , TOSHIBA	1
Q440	CVT2SA1986R	T.R , POWER(PNP 230V,15A, HFE:55~110, 80W)	2SC1986-R , TOSHIBA	1

Ref. #	Part Number	Description	Value	Qty
	COP12037C	**AVR750EU MAIN PCB ASS'Y**		1
	COP12037C	AVR750EU MAIN PCB ASS'Y		1
	CHD1A012R	SCREW , SPECIAL		7
	CHD5A012JR	SCREW		1
C101	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C102	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C103	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C104	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C105	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C107	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C108	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C109	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C110	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C111	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C112	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C113	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C114	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C115	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C116	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C117	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C118	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C119	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C120	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C131	CCEA1VH101T	CAP , ELECT	100UF 35V	1
C132	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C133	CCEA1VH101T	CAP , ELECT	100UF 35V	1
C134	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C135	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C136	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C137	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C138	CCEA1VH101T	CAP , ELECT	100UF 35V	1
C139	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C140	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C141	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C156	HCQI1H473JZT	CAP , MYLAR	0.047UF 50V J	1
C157	HCQI1H473JZT	CAP , MYLAR	0.047UF 50V J	1
C158	HCQI1H473JZT	CAP , MYLAR	0.047UF 50V J	1
C159	HCQI1H473JZT	CAP , MYLAR	0.047UF 50V J	1
C160	HCQI1H473JZT	CAP , MYLAR	0.047UF 50V J	1
C161	HCQI1H473JZT	CAP , MYLAR	0.047UF 50V J	1
C181	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C203	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C205	CCBS1H101KBT	CAP , CERAMIC(100PF/50V)	CH UP025 B101K-A-B Z	1
C206	CCEA1VH101T	CAP , ELECT	100UF 35V	1
C207	CCEA1HH4R7T	CAP , ELECT	4.7UF 50V	1
C210	CCEA1HH1R0T	CAP , ELECT	1UF 50V	1
C211	CCEA2AH100TS	CAP , ELECT(KRM, 100V/10UF, 6.3x11)	KRM, 100V/10UF, 6.3X11	1
C212	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C214	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C225	CCFT1H104ZF	CAP , SEMICONDUCTOR	0.1UF 50V Z	1
C226	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C227	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C228	CCEA1VH101T	CAP , ELECT	100UF 35V	1
C229	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C230	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C231	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C301	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C302	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C307	CCBS1H271KBT	CAP , CERAMIC(270PF/50V)	CH UP025 B271K-A-B Z	1
C308	CCBS1H271KBT	CAP , CERAMIC(270PF/50V)	CH UP025 B271K-A-B Z	1
C309	CCEA1VH101T	CAP , ELECT	100UF 35V	1
C310	CCEA1VH101T	CAP , ELECT	100UF 35V	1
C313	CCBS1H271KBT	CAP , CERAMIC(270PF/50V)	CH UP025 B271K-A-B Z	1
C314	CCBS1H271KBT	CAP , CERAMIC(270PF/50V)	CH UP025 B271K-A-B Z	1
C315	CCCT1H030CC	CAP , CERAMIC	3PF 50V C	1
C316	CCCT1H030CC	CAP , CERAMIC	3PF 50V C	1
C317	CCKT1H181KB	CAP , CERAMIC	180PF 50V K	1
C318	CCKT1H181KB	CAP , CERAMIC	180PF 50V K	1
C319	CCEA2AH100TS	CAP , ELECT(KRM, 100V/10UF, 6.3x11)	KRM, 100V/10UF, 6.3X11	1
C320	CCEA2AH100TS	CAP , ELECT(KRM, 100V/10UF, 6.3x11)	KRM, 100V/10UF, 6.3X11	1
C321	CCEA2AH100TS	CAP , ELECT(KRM, 100V/10UF, 6.3x11)	KRM, 100V/10UF, 6.3X11	1
C322	CCEA2AH100TS	CAP , ELECT(KRM, 100V/10UF, 6.3x11)	KRM, 100V/10UF, 6.3X11	1
C323	CCME2A683JXT	CAP , METALIZED FILM (0.068UF/100V J)		1
C324	CCME2A683JXT	CAP , METALIZED FILM (0.068UF/100V J)		1
C325	HCQI1H104JZT	CAP , MYLAR	0.1UF 50V J	1
C326	HCQI1H104JZT	CAP , MYLAR	0.1UF 50V J	1
C327	HCQI1H104JZT	CAP , MYLAR	0.1UF 50V J	1
C328	HCQI1H104JZT	CAP , MYLAR	0.1UF 50V J	1

Ref. #	Part Number	Description	Value	Qty
C329	CCKT1H222KB	CAP , CERAMIC	2200PF 50V K	1
C330	CCKT1H222KB	CAP , CERAMIC	2200PF 50V K	1
C331	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C332	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C333	CCFT1H103ZF	CAP , CERAMIC	0.01UF 50V Z	1
C335	CCFT1H103ZF	CAP , CERAMIC	0.01UF 50V Z	1
C336	CCFT1H103ZF	CAP , CERAMIC	0.01UF 50V Z	1
C401	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C402	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C403	CCBS1H271KBT	CAP , CERAMIC(270PF/50V)	CH UP025 B271K-A-B Z	1
C404	CCBS1H271KBT	CAP , CERAMIC(270PF/50V)	CH UP025 B271K-A-B Z	1
C405	CCEA1VH101T	CAP , ELECT	100UF 35V	1
C406	CCEA1VH101T	CAP , ELECT	100UF 35V	1
C407	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C408	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C409	CCCT1H030CC	CAP , CERAMIC	3PF 50V C	1
C410	CCCT1H030CC	CAP , CERAMIC	3PF 50V C	1
C411	CCKT1H181KB	CAP , CERAMIC	180PF 50V K	1
C412	CCKT1H181KB	CAP , CERAMIC	180PF 50V K	1
C413	CCEA2AH100TS	CAP , ELECT(KRM, 100V/10UF, 6.3x11)	KRM, 100V/10UF, 6.3X11	1
C414	CCEA2AH100TS	CAP , ELECT(KRM, 100V/10UF, 6.3x11)	KRM, 100V/10UF, 6.3X11	1
C415	CCEA2AH100TS	CAP , ELECT(KRM, 100V/10UF, 6.3x11)	KRM, 100V/10UF, 6.3X11	1
C416	CCEA2AH100TS	CAP , ELECT(KRM, 100V/10UF, 6.3x11)	KRM, 100V/10UF, 6.3X11	1
C417	HCQI1H104JZT	CAP , MYLAR	0.1UF 50V J	1
C418	HCQI1H104JZT	CAP , MYLAR	0.1UF 50V J	1
C419	HCQI1H104JZT	CAP , MYLAR	0.1UF 50V J	1
C420	HCQI1H104JZT	CAP , MYLAR	0.1UF 50V J	1
C425	CCKT1H222KB	CAP , CERAMIC	2200PF 50V K	1
C426	CCKT1H222KB	CAP , CERAMIC	2200PF 50V K	1
C429	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C430	CCME2A683JXT	CAP , METALIZED FILM (0.068UF/100V J)		1
C431	CCME2A683JXT	CAP , METALIZED FILM (0.068UF/100V J)		1
C432	CCEA1EH471T	CAP , ELECT	470UF 25V	1
C433	CCBS1H103ZFT	CAP , CERAMIC	0.01UF 50V Z	1
C434	CCFT1H103ZF	CAP , CERAMIC	0.01UF 50V Z	1
C441	CCBS1H271KBT	CAP , CERAMIC(270PF/50V)	CH UP025 B271K-A-B Z	1
C442	CCBS1H271KBT	CAP , CERAMIC(270PF/50V)	CH UP025 B271K-A-B Z	1
D104	HVD1N4148T	DIODE	1N4148	1
D131	HVD1N4007T	DIODE		1
D132	HVD1N4007T	DIODE		1
D134	HVD1N4148T	DIODE	1N4148	1
D135	C3A206	WIRE , COPPER	SN95/PB5 , 0.6	0,022
D151	HVD1N4148T	DIODE	1N4148	1
D152	HVD1N4148T	DIODE	1N4148	1
D153	HVD1N4148T	DIODE	1N4148	1
D204	HVDMTZJ12BT	DIODE , ZENER	MTZJ12B 1/2W	1
D205	HVD1N4148T	DIODE	1N4148	1
D206	HVD1N4148T	DIODE	1N4148	1
D207	CVDZJ3.3BT	DIODE , ZENER 3.3V	ZJ3.3B 1/2W	1
D210	HVD1N5819T	DIODE , SCHOTTKY	1N5819	1
D211	CVD1N4003ST	DIODE , RECT	1N4003	1
D301	HVD1N4148T	DIODE	1N4148	1
D302	HVD1N4148T	DIODE	1N4148	1
D303	HVD1N4148T	DIODE	1N4148	1
D304	HVD1N4148T	DIODE	1N4148	1
D305	HVD1N4148T	DIODE	1N4148	1
D306	HVD1N4148T	DIODE	1N4148	1
D307	HVD1N4148T	DIODE	1N4148	1
D308	HVD1N4148T	DIODE	1N4148	1
D401	HVD1N4148T	DIODE	1N4148	1
D402	HVD1N4148T	DIODE	1N4148	1
D403	HVD1N4148T	DIODE	1N4148	1
D404	HVD1N4148T	DIODE	1N4148	1
D405	HVD1N4148T	DIODE	1N4148	1
D406	HVD1N4148T	DIODE	1N4148	1
D407	HVD1N4148T	DIODE	1N4148	1
D408	HVD1N4148T	DIODE	1N4148	1
D409	HVD1N4148T	DIODE	1N4148	1
D410	HVD1N4148T	DIODE	1N4148	1
D411	HVD1N4148T	DIODE	1N4148	1
D412	HVD1N4148T	DIODE	1N4148	1
F101	KBA2D2000A2EYT	FUSE (382/TR5SERIES 2A 250V 8.5mm TL)		1
F102	KBA2D2000A2EYT	FUSE (382/TR5SERIES 2A 250V 8.5mm TL)		1
F103	KBA2D2000A2EYT	FUSE (382/TR5SERIES 2A 250V 8.5mm TL)		1
F104	KBA2D2000A2EYT	FUSE (382/TR5SERIES 2A 250V 8.5mm TL)		1
G102	HJT1A025	PALTE , EARTH	MET37-0002	1
G103	HJT1A025	PALTE , EARTH	MET37-0002	1
Q131	HVTKRC107MT	T.R , TO-92M	KRC107M	1
Q181	HVTKTA1268GRT	T.R	KTA1268GR	1
Q182	HVTKTA1024YT	T.R		1
Q201	HVTKRC107MT	T.R , TO-92M	KRC107M	1
Q301	HVTKTC3200GRT	T.R	KTC3200GR	1
Q302	HVTKTC3200GRT	T.R	KTC3200GR	1
Q303	HVTKTC3200GRT	T.R	KTC3200GR	1
Q304	HVTKTC3200GRT	T.R	KTC3200GR	1

Ref. #	Part Number	Description	Value	Qty
Q305	HVTKTC3200GRT	T.R	KTC3200GR	1
Q306	HVTKTC3200GRT	T.R	KTC3200GR	1
Q307	HVTKTC3198YT	T.R	KTC3198Y	1
Q308	HVTKTC3198YT	T.R	KTC3198Y	1
Q309	CVT2SA1145YFT	T.R , PNP HFE:120~240 TO-92L		1
Q310	CVT2SA1145YFT	T.R , PNP HFE:120~240 TO-92L		1
Q311	HVTKTA1268GRT	T.R	KTA1268GR	1
Q312	HVTKTA1268GRT	T.R	KTA1268GR	1
Q313	HVTKTC3200GRT	T.R	KTC3200GR	1
Q314	HVTKTC3200GRT	T.R	KTC3200GR	1
Q315	HVTKTA1024YT	T.R		1
Q316	HVTKTA1024YT	T.R		1
Q317	HVTKTC3206YAT	T.R		1
Q318	HVTKTC3206YAT	T.R		1
Q319	HVTKTA1024YT	T.R		1
Q320	HVTKTA1024YT	T.R		1
Q321	HVTKTC3206YAT	T.R		1
Q322	HVTKTC3206YAT	T.R		1
Q337	HVTKTC3200GRT	T.R	KTC3200GR	1
Q338	HVTKTC3200GRT	T.R	KTC3200GR	1
Q401	HVTKTC3200GRT	T.R	KTC3200GR	1
Q402	HVTKTC3200GRT	T.R	KTC3200GR	1
Q403	HVTKTC3200GRT	T.R	KTC3200GR	1
Q404	HVTKTC3200GRT	T.R	KTC3200GR	1
Q405	HVTKTC3200GRT	T.R	KTC3200GR	1
Q406	HVTKTC3200GRT	T.R	KTC3200GR	1
Q407	HVTKTC3198YT	T.R	KTC3198Y	1
Q408	HVTKTC3198YT	T.R	KTC3198Y	1
Q409	HVTKTC3200GRT	T.R	KTC3200GR	1
Q410	HVTKTA1268GRT	T.R	KTA1268GR	1
Q411	CVT2SA1145YFT	T.R , PNP HFE:120~240 TO-92L		1
Q412	CVT2SA1145YFT	T.R , PNP HFE:120~240 TO-92L		1
Q413	HVTKTA1268GRT	T.R	KTA1268GR	1
Q414	HVTKTA1268GRT	T.R	KTA1268GR	1
Q415	HVTKTC3200GRT	T.R	KTC3200GR	1
Q416	HVTKTC3200GRT	T.R	KTC3200GR	1
Q417	HVTKTA1024YT	T.R		1
Q418	HVTKTA1024YT	T.R		1
Q419	HVTKTC3206YAT	T.R		1
Q420	HVTKTC3206YAT	T.R		1
Q421	HVTKTA1024YT	T.R		1
Q422	HVTKTA1024YT	T.R		1
Q423	HVTKTC3206YAT	T.R		1
Q424	HVTKTC3206YAT	T.R		1
Q425	HVTKTC3200GRT	T.R	KTC3200GR	1
Q426	HVTKTC3198YT	T.R	KTC3198Y	1
Q441	HVTKTC3198YT	T.R	KTC3198Y	1
Q442	HVTKTA1024YT	T.R		1
Q443	HVTKRC107MT	T.R , TO-92M	KRC107M	1
R101	CRD20TJ471T	RES , CARBON (470 OHM , 5% , 1/5W)	470 OHM 1/5W J	1
R102	CRD20TJ471T	RES , CARBON (470 OHM , 5% , 1/5W)	470 OHM 1/5W J	1
R105	CRD20TJ471T	RES , CARBON (470 OHM , 5% , 1/5W)	470 OHM 1/5W J	1
R106	CRD20TJ471T	RES , CARBON (470 OHM , 5% , 1/5W)	470 OHM 1/5W J	1
R109	CRD20TJ471T	RES , CARBON (470 OHM , 5% , 1/5W)	470 OHM 1/5W J	1
R110	CRD20TJ471T	RES , CARBON (470 OHM , 5% , 1/5W)	470 OHM 1/5W J	1
R113	CRD20TJ471T	RES , CARBON (470 OHM , 5% , 1/5W)	470 OHM 1/5W J	1
R114	CRD20TJ471T	RES , CARBON (470 OHM , 5% , 1/5W)	470 OHM 1/5W J	1
R121	CRD20TJ103T	RES , CARBON (10K OHM , 5% , 1/5W)	10K OHM 1/5W J	1
R140	CRD20TJ102T	RES , CARBON (1K OHM , 5% , 1/5W)	1K OHM 1/5W J	1
R141	CRD20TJ273T	RES , CARBON (27K OHM , 5% , 1/5W)	27K OHM 1/5W J	1
R142	CRD20TJ333T	RES , CARBON (33K OHM , 5% , 1/5W)	33K OHM 1/5W J	1
R143	CRD20TJ333T	RES , CARBON (33K OHM , 5% , 1/5W)	33K OHM 1/5W J	1
R150	CRD20TJ473T	RES , CARBON (47K OHM , 5% , 1/5W)	47K OHM 1/5W J	1
R151	CRD20TJ100T	RES , CARBON (10 OHM , 5% , 1/5W)	10 OHM 1/5W J	1
R152	CRD20TJ1R0T	RES , CARBON (1 OHM , 5% , 1/5W)	1 OHM 1/5W J	1
R194	CRD20TJ100T	RES , CARBON (10 OHM , 5% , 1/5W)	10 OHM 1/5W J	1
R195	CRD20TJ100T	RES , CARBON (10 OHM , 5% , 1/5W)	10 OHM 1/5W J	1
R196	CRD20TJ100T	RES , CARBON (10 OHM , 5% , 1/5W)	10 OHM 1/5W J	1
R197	CRD20TJ100T	RES , CARBON (10 OHM , 5% , 1/5W)	10 OHM 1/5W J	1
R207	CRD20TJ104T	RES , CARBON (100K OHM , 5% , 1/5W)	100K OHM 1/5W J	1
R209	CRD20TJ273T	RES , CARBON (27K OHM , 5% , 1/5W)	27K OHM 1/5W J	1
R211	CRD20TJ102T	RES , CARBON (1K OHM , 5% , 1/5W)	1K OHM 1/5W J	1
R214	CRD20TJ104T	RES , CARBON (100K OHM , 5% , 1/5W)	100K OHM 1/5W J	1
R215	CRD20TJ221T	RES , CARBON (220 OHM , 5% , 1/5W)	220 OHM 1/5W J	1
R216	CRD20TJ104T	RES , CARBON (100K OHM , 5% , 1/5W)	100K OHM 1/5W J	1
R217	CRD20TJ104T	RES , CARBON (100K OHM , 5% , 1/5W)	100K OHM 1/5W J	1
R218	CRD20TJ104T	RES , CARBON (100K OHM , 5% , 1/5W)	100K OHM 1/5W J	1
R219	CRD20TJ104T	RES , CARBON (100K OHM , 5% , 1/5W)	100K OHM 1/5W J	1
R220	CRD20TJ104T	RES , CARBON (100K OHM , 5% , 1/5W)	100K OHM 1/5W J	1
R223	CRD20TJ513T	RES , CARBON (51K OHM , 5% , 1/5W)		1
R224	CRD20TJ274T	RES , CARBON (270K OHM , 5% , 1/5W)		1
R225	CRD20TJ333T	RES , CARBON (33K OHM , 5% , 1/5W)	33K OHM 1/5W J	1
R231	CRD20TJ103T	RES , CARBON (10K OHM , 5% , 1/5W)	10K OHM 1/5W J	1
R234	CRD20TJ103T	RES , CARBON (10K OHM , 5% , 1/5W)	10K OHM 1/5W J	1
R235	CRD20TJ101T	RES , CARBON (100 OHM , 5% , 1/5W)	100 OHM 1/5W J	1
R236	CRD20TJ471T	RES , CARBON (470 OHM , 5% , 1/5W)	470 OHM 1/5W J	1

Ref. #	Part Number	Description	Value	Qty
R237	CRD20TJ821T	RES , CARBON (820 OHM , 5% , 1/5W)	820 OHM 1/5W J	1
R238	CRD20TF2801T	RES , CARBON		1
R239	CRD20TJ821T	RES , CARBON (820 OHM , 5% , 1/5W)	820 OHM 1/5W J	1
R240	CRD20TF2801T	RES , CARBON		1
R241	CRD20TJ821T	RES , CARBON (820 OHM , 5% , 1/5W)	820 OHM 1/5W J	1
R242	CRD20TF2801T	RES , CARBON		1
R243	CRD20TJ821T	RES , CARBON (820 OHM , 5% , 1/5W)	820 OHM 1/5W J	1
R244	CRD20TF2801T	RES , CARBON		1
R301	CRD20TJ331T	RES , CARBON (330 OHM , 5% , 1/5W)	330 OHM 1/5W J	1
R302	CRD20TJ331T	RES , CARBON (330 OHM , 5% , 1/5W)	330 OHM 1/5W J	1
R305	CRD20TJ333T	RES , CARBON (33K OHM , 5% , 1/5W)	33K OHM 1/5W J	1
R306	CRD20TJ333T	RES , CARBON (33K OHM , 5% , 1/5W)	33K OHM 1/5W J	1
R307	CRD20TJ433T	RES , CARBON (43K OHM , 5% , 1/5W)	43K OHM 1/5W J	1
R308	CRD20TJ433T	RES , CARBON (43K OHM , 5% , 1/5W)	43K OHM 1/5W J	1
R309	CRD20TJ104T	RES , CARBON (100K OHM , 5% , 1/5W)	100K OHM 1/5W J	1
R310	CRD20TJ104T	RES , CARBON (100K OHM , 5% , 1/5W)	100K OHM 1/5W J	1
R311	CRD20TJ162T	RES , CARBON (1.6K OHM , 5% , 1/5W)		1
R312	CRD20TJ162T	RES , CARBON (1.6K OHM , 5% , 1/5W)		1
R313	CRD20TJ162T	RES , CARBON (1.6K OHM , 5% , 1/5W)		1
R314	CRD20TJ162T	RES , CARBON (1.6K OHM , 5% , 1/5W)		1
R315	CRD20TJ471T	RES , CARBON (470 OHM , 5% , 1/5W)	470 OHM 1/5W J	1
R316	CRD20TJ471T	RES , CARBON (470 OHM , 5% , 1/5W)	470 OHM 1/5W J	1
R317	CRD20TJ221T	RES , CARBON (220 OHM , 5% , 1/5W)	220 OHM 1/5W J	1
R318	CRD20TJ221T	RES , CARBON (220 OHM , 5% , 1/5W)	220 OHM 1/5W J	1
R319	CRD20TJ221T	RES , CARBON (220 OHM , 5% , 1/5W)	220 OHM 1/5W J	1
R320	CRD20TJ221T	RES , CARBON (220 OHM , 5% , 1/5W)	220 OHM 1/5W J	1
R321	CRD20TJ221T	RES , CARBON (220 OHM , 5% , 1/5W)	220 OHM 1/5W J	1
R322	CRD20TJ221T	RES , CARBON (220 OHM , 5% , 1/5W)	220 OHM 1/5W J	1
R323	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R324	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R325	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R326	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R327	CRD20TF3302T	RES , CARBON		1
R328	CRD20TF3302T	RES , CARBON		1
R329	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R330	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R331	CRD20TF1401T	RES , CARBON	1.4K OHM 1% 1/6W	1
R332	CRD20TF1401T	RES , CARBON	1.4K OHM 1% 1/6W	1
R333	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R334	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R335	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R336	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R337	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R338	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R339	CRD20TJ201T	RES , CARBON (200 OHM , 5% , 1/5W)	200 OHM 1/5 W	1
R340	CRD20TJ201T	RES , CARBON (200 OHM , 5% , 1/5W)	200 OHM 1/5 W	1
R341	CRD20TJ153T	RES , CARBON (15K OHM , 5% , 1/5W)	15K OHM 1/5W J	1
R342	CRD20TJ153T	RES , CARBON (15K OHM , 5% , 1/5W)	15K OHM 1/5W J	1
R343	CRD20TJ153T	RES , CARBON (15K OHM , 5% , 1/5W)	15K OHM 1/5W J	1
R344	CRD20TJ153T	RES , CARBON (15K OHM , 5% , 1/5W)	15K OHM 1/5W J	1
R345	CRD20TJ201T	RES , CARBON (200 OHM , 5% , 1/5W)	200 OHM 1/5 W	1
R346	CRD20TJ201T	RES , CARBON (200 OHM , 5% , 1/5W)	200 OHM 1/5 W	1
R347	CRD20TJ201T	RES , CARBON (200 OHM , 5% , 1/5W)	200 OHM 1/5 W	1
R348	CRD20TJ201T	RES , CARBON (200 OHM , 5% , 1/5W)	200 OHM 1/5 W	1
R349	CRD20TJ201T	RES , CARBON (200 OHM , 5% , 1/5W)	200 OHM 1/5 W	1
R350	CRD20TJ201T	RES , CARBON (200 OHM , 5% , 1/5W)	200 OHM 1/5 W	1
R351	CRD50FJ100T	RES , CARBON		1
R352	CRD50FJ100T	RES , CARBON		1
R353	CRD20TJ101T	RES , CARBON (100 OHM , 5% , 1/5W)	100 OHM 1/5W J	1
R354	CRD20TJ101T	RES , CARBON (100 OHM , 5% , 1/5W)	100 OHM 1/5W J	1
R363	CRD20TJ150T	RES , CARBON (15 OHM , 5% , 1/5W)	15 OHM 1/5W J	1
R364	CRD20TJ150T	RES , CARBON (15 OHM , 5% , 1/5W)	15 OHM 1/5W J	1
R365	CRD20TJ150T	RES , CARBON (15 OHM , 5% , 1/5W)	15 OHM 1/5W J	1
R366	CRD20TJ150T	RES , CARBON (15 OHM , 5% , 1/5W)	15 OHM 1/5W J	1
R367	CRD50FJ100T	RES , CARBON		1
R368	CRD50FJ100T	RES , CARBON		1
R369	CRD20TJ101T	RES , CARBON (100 OHM , 5% , 1/5W)	100 OHM 1/5W J	1
R370	CRD20TJ101T	RES , CARBON (100 OHM , 5% , 1/5W)	100 OHM 1/5W J	1
R371	CRD20TJ2R2T	RES , CARBON (2.2 OHM , 5% , 1/5W)	2.2 OHM 1/5W J	1
R372	CRD20TJ2R2T	RES , CARBON (2.2 OHM , 5% , 1/5W)	2.2 OHM 1/5W J	1
R373	CRD20TJ2R2T	RES , CARBON (2.2 OHM , 5% , 1/5W)	2.2 OHM 1/5W J	1
R374	CRD20TJ2R2T	RES , CARBON (2.2 OHM , 5% , 1/5W)	2.2 OHM 1/5W J	1
R375	CRD20TJ820T	RES , CARBON (82 OHM , 5% , 1/5W)	82 OHM 1/5W J	1
R376	CRD20TJ820T	RES , CARBON (82 OHM , 5% , 1/5W)	82 OHM 1/5W J	1
R380	CRD20TJ152T	RES , CARBON (1.5K OHM , 5% , 1/5W)	1.5K OHM 1/5W J	1
R381	CRD20TJ152T	RES , CARBON (1.5K OHM , 5% , 1/5W)	1.5K OHM 1/5W J	1
R382	CRD20TJ393T	RES , CARBON (39K OHM , 5% , 1/5W)		1
R383	CRD20TJ393T	RES , CARBON (39K OHM , 5% , 1/5W)		1
R384	CRD20TJ153T	RES , CARBON (15K OHM , 5% , 1/5W)	15K OHM 1/5W J	1
R385	CRD20TJ153T	RES , CARBON (15K OHM , 5% , 1/5W)	15K OHM 1/5W J	1
R386	CRD20TJ152T	RES , CARBON (1.5K OHM , 5% , 1/5W)	1.5K OHM 1/5W J	1
R387	CRD20TJ152T	RES , CARBON (1.5K OHM , 5% , 1/5W)	1.5K OHM 1/5W J	1
R388	CRD20TJ100T	RES , CARBON (10 OHM , 5% , 1/5W)	10 OHM 1/5W J	1
R389	CRD20TJ100T	RES , CARBON (10 OHM , 5% , 1/5W)	10 OHM 1/5W J	1
R390	CRD20TJ223T	RES , CARBON (22K OHM , 5% , 1/5W)	22K OHM 1/5W J	1
R391	CRD20TJ223T	RES , CARBON (22K OHM , 5% , 1/5W)	22K OHM 1/5W J	1

Ref. #	Part Number	Description	Value	Qty
R399	CRD20TJ101T	RES , CARBON (100 OHM , 5% , 1/5W)	100 OHM 1/5W J	1
R401	CRD20TJ331T	RES , CARBON (330 OHM , 5% , 1/5W)	330 OHM 1/5W J	1
R402	CRD20TJ331T	RES , CARBON (330 OHM , 5% , 1/5W)	330 OHM 1/5W J	1
R403	CRD20TJ333T	RES , CARBON (33K OHM , 5% , 1/5W)	33K OHM 1/5W J	1
R404	CRD20TJ333T	RES , CARBON (33K OHM , 5% , 1/5W)	33K OHM 1/5W J	1
R405	CRD20TJ162T	RES , CARBON (1.6K OHM , 5% , 1/5W)		1
R406	CRD20TJ162T	RES , CARBON (1.6K OHM , 5% , 1/5W)		1
R407	CRD20TJ162T	RES , CARBON (1.6K OHM , 5% , 1/5W)		1
R408	CRD20TJ162T	RES , CARBON (1.6K OHM , 5% , 1/5W)		1
R409	CRD20TJ221T	RES , CARBON (220 OHM , 5% , 1/5W)	220 OHM 1/5W J	1
R410	CRD20TJ221T	RES , CARBON (220 OHM , 5% , 1/5W)	220 OHM 1/5W J	1
R411	CRD20TJ221T	RES , CARBON (220 OHM , 5% , 1/5W)	220 OHM 1/5W J	1
R412	CRD20TJ221T	RES , CARBON (220 OHM , 5% , 1/5W)	220 OHM 1/5W J	1
R413	CRD20TJ221T	RES , CARBON (220 OHM , 5% , 1/5W)	220 OHM 1/5W J	1
R414	CRD20TJ221T	RES , CARBON (220 OHM , 5% , 1/5W)	220 OHM 1/5W J	1
R415	CRD20TJ433T	RES , CARBON (43K OHM , 5% , 1/5W)	43K OHM 1/5W J	1
R416	CRD20TJ433T	RES , CARBON (43K OHM , 5% , 1/5W)	43K OHM 1/5W J	1
R417	CRD20TF3302T	RES , CARBON		1
R418	CRD20TF3302T	RES , CARBON		1
R419	CRD20TF1401T	RES , CARBON	1.4K OHM 1% 1/6W	1
R420	CRD20TF1401T	RES , CARBON	1.4K OHM 1% 1/6W	1
R421	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R422	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R423	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R424	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R425	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R426	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R427	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R428	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R429	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R430	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R431	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R432	CRD20TJ561T	RES , CARBON (560 OHM , 5% , 1/5W)	560 OHM 1/5W J	1
R433	CRD20TJ201T	RES , CARBON (200 OHM , 5% , 1/5W)	200 OHM 1/5 W	1
R434	CRD20TJ201T	RES , CARBON (200 OHM , 5% , 1/5W)	200 OHM 1/5 W	1
R435	CRD20TJ201T	RES , CARBON (200 OHM , 5% , 1/5W)	200 OHM 1/5 W	1
R436	CRD20TJ201T	RES , CARBON (200 OHM , 5% , 1/5W)	200 OHM 1/5 W	1
R437	CRD20TJ153T	RES , CARBON (15K OHM , 5% , 1/5W)	15K OHM 1/5W J	1
R438	CRD20TJ153T	RES , CARBON (15K OHM , 5% , 1/5W)	15K OHM 1/5W J	1
R439	CRD20TJ153T	RES , CARBON (15K OHM , 5% , 1/5W)	15K OHM 1/5W J	1
R440	CRD20TJ153T	RES , CARBON (15K OHM , 5% , 1/5W)	15K OHM 1/5W J	1
R441	CRD20TJ201T	RES , CARBON (200 OHM , 5% , 1/5W)	200 OHM 1/5 W	1
R442	CRD20TJ201T	RES , CARBON (200 OHM , 5% , 1/5W)	200 OHM 1/5 W	1
R443	CRD20TJ201T	RES , CARBON (200 OHM , 5% , 1/5W)	200 OHM 1/5 W	1
R444	CRD20TJ201T	RES , CARBON (200 OHM , 5% , 1/5W)	200 OHM 1/5 W	1
R445	CRD50FJ100T	RES , CARBON		1
R446	CRD50FJ100T	RES , CARBON		1
R447	CRD50FJ100T	RES , CARBON		1
R448	CRD50FJ100T	RES , CARBON		1
R450	CRD20TJ472T	RES , CARBON (4.7K OHM , 5% , 1/5W)	4.7K OHM 1/5W J	1
R451	CRD20TJ473T	RES , CARBON (47K OHM , 5% , 1/5W)	47K OHM 1/5W J	1
R452	CRD20TJ473T	RES , CARBON (47K OHM , 5% , 1/5W)	47K OHM 1/5W J	1
R453	CRD20TJ473T	RES , CARBON (47K OHM , 5% , 1/5W)	47K OHM 1/5W J	1
R454	CRD20TJ473T	RES , CARBON (47K OHM , 5% , 1/5W)	47K OHM 1/5W J	1
R455	CRD20TJ473T	RES , CARBON (47K OHM , 5% , 1/5W)	47K OHM 1/5W J	1
R456	CRD20TJ473T	RES , CARBON (47K OHM , 5% , 1/5W)	47K OHM 1/5W J	1
R457	CRD20TJ101T	RES , CARBON (100 OHM , 5% , 1/5W)	100 OHM 1/5W J	1
R458	CRD20TJ101T	RES , CARBON (100 OHM , 5% , 1/5W)	100 OHM 1/5W J	1
R459	CRD20TJ101T	RES , CARBON (100 OHM , 5% , 1/5W)	100 OHM 1/5W J	1
R460	CRD20TJ101T	RES , CARBON (100 OHM , 5% , 1/5W)	100 OHM 1/5W J	1
R461	CRD20TJ150T	RES , CARBON (15 OHM , 5% , 1/5W)	15 OHM 1/5W J	1
R462	CRD20TJ150T	RES , CARBON (15 OHM , 5% , 1/5W)	15 OHM 1/5W J	1
R463	CRD20TJ150T	RES , CARBON (15 OHM , 5% , 1/5W)	15 OHM 1/5W J	1
R464	CRD20TJ150T	RES , CARBON (15 OHM , 5% , 1/5W)	15 OHM 1/5W J	1
R465	CRD20TJ2R2T	RES , CARBON (2.2 OHM , 5% , 1/5W)	2.2 OHM 1/5W J	1
R466	CRD20TJ2R2T	RES , CARBON (2.2 OHM , 5% , 1/5W)	2.2 OHM 1/5W J	1
R467	CRD20TJ2R2T	RES , CARBON (2.2 OHM , 5% , 1/5W)	2.2 OHM 1/5W J	1
R468	CRD20TJ2R2T	RES , CARBON (2.2 OHM , 5% , 1/5W)	2.2 OHM 1/5W J	1
R469	CRD20TJ820T	RES , CARBON (82 OHM , 5% , 1/5W)	82 OHM 1/5W J	1
R470	CRD20TJ820T	RES , CARBON (82 OHM , 5% , 1/5W)	82 OHM 1/5W J	1
R473	CRD20TJ100T	RES , CARBON (10 OHM , 5% , 1/5W)	10 OHM 1/5W J	1
R474	CRD20TJ100T	RES , CARBON (10 OHM , 5% , 1/5W)	10 OHM 1/5W J	1
R479	CRD20TJ104T	RES , CARBON (100K OHM , 5% , 1/5W)	100K OHM 1/5W J	1
R480	CRD20TJ104T	RES , CARBON (100K OHM , 5% , 1/5W)	100K OHM 1/5W J	1
R481	CRD20TJ152T	RES , CARBON (1.5K OHM , 5% , 1/5W)	1.5K OHM 1/5W J	1
R482	CRD20TJ153T	RES , CARBON (15K OHM , 5% , 1/5W)	15K OHM 1/5W J	1
R483	CRD20TJ152T	RES , CARBON (1.5K OHM , 5% , 1/5W)	1.5K OHM 1/5W J	1
R484	CRD20TJ393T	RES , CARBON (39K OHM , 5% , 1/5W)		1
R485	CRD20TJ103T	RES , CARBON (10K OHM , 5% , 1/5W)	10K OHM 1/5W J	1
R486	CRD20TJ223T	RES , CARBON (22K OHM , 5% , 1/5W)	22K OHM 1/5W J	1
R487	CRD20TJ393T	RES , CARBON (39K OHM , 5% , 1/5W)		1
R488	CRD20TJ152T	RES , CARBON (1.5K OHM , 5% , 1/5W)	1.5K OHM 1/5W J	1
R489	CRD20TJ153T	RES , CARBON (15K OHM , 5% , 1/5W)	15K OHM 1/5W J	1
R490	CRD20TJ152T	RES , CARBON (1.5K OHM , 5% , 1/5W)	1.5K OHM 1/5W J	1
R491	CRD20TJ393T	RES , CARBON (39K OHM , 5% , 1/5W)		1

Ref. #	Part Number	Description	Value	Qty
R492	CRD20TJ223T	RES , CARBON (22K OHM , 5% , 1/5W)	22K OHM 1/5W J	1
R493	CRD20TJ822T	RES , CARBON (8.2K OHM , 5% , 1/5W)	8.2K OHM 1/5W J	1
R495	CRD20TJ471T	RES , CARBON (470 OHM , 5% , 1/5W)	470 OHM 1/5W J	1
R497	CRD20TJ271T	RES , CARBON (270 OHM , 5% , 1/5W)	270 OHM 1/5W J	1
R498	CRD20TJ273T	RES , CARBON (27K OHM , 5% , 1/5W)	27K OHM 1/5W J	1
R499	CRD20TJ471T	RES , CARBON (470 OHM , 5% , 1/5W)	470 OHM 1/5W J	1
	CMD1A657	BRACKET , POSISTOR AVR755		1
	CMYAVR755HS1A295YA	T.R HEAT SINK ASS'Y (CMY1A295)		1
	CHD1A012R	SCREW , SPECIAL		1
	CHD6A012JR	SCREW		4
	CMY1A295	HEAT SINK , REG. TR AVR755		1
	CNE1A012	NUT , M3		4
	CTB3+8JFZR	SCREW		2
	K8AYG6260	COMPOUND , SILICONE		0,5
IC131	HVIKIA7812API	I.C , REGULATOR	KIA78XXAPI	1
IC132	HVIKIA278R12PI	REGULATOR(12V OUTPUT LOW DROP)	KIA278R12PI	1
IC133	CVIKIA278R15PI	I.C , REGULATOR(15V OUTPUT LOW DROP)		1
IC134	CVIKIA7915PI	I.C , REGULATOR(15V, TO-220AB)	KIA7915PI	1
IC135	CVIKIA7824API	I.C , VOL-REGULATOR(24V TO-220IS)	KIA7824API	1
IC136	HVIKIA7812API	I.C , REGULATOR	KIA78XXAPI	1
	CNW4A028	WASHER , FIBRE(0.5)		5
	CQB1D022	A-ROHS/LABEL,SERIAL		1
	CTB3+8JFZR	SCREW		1
	CTW3+8JFZR	SCREW		5
	C2K86002	SOLDER , BAR SN PB FREE	HSE-16(P) B20	10
	C2K86102	SOLDER , FLUX WIRE PB FREE(PIE 1.0)	HSE-04 W1.0	5
	C8E534	FLUX		3
C151	CCET63VKL5153MS67	CAP , ELECT (15000UF/63V M 40X50 P10mm)	KL5-63V153MS67 , KOSHIN	1
C152	CCET63VKL5153MS67	CAP , ELECT (15000UF/63V M 40X50 P10mm)	KL5-63V153MS67 , KOSHIN	1
C153	CCEA1VH222E	CAP , ELECT		1
C154	CCEA1VH222E	CAP , ELECT		1
C155	CCEA1HH222ES	CAP , ELECT(KRM, 50V/2200UF,105C, 16X31.5)		1
C223	CCEA1CH223E	CAP , ELECT (22000UF/16V, 22*40, KR1)	KR1-016V223MM400-L/C4.0	1
C224	CCEA1CH103E	CAP , ELECT		1
C303	CCEA1JH471E	CAP , ELECT		1
C304	CCEA1JH471E	CAP , ELECT		1
C305	CCEA1JH471E	CAP , ELECT		1
C306	CCEA1JH471E	CAP , ELECT		1
C421	CCEA1JH471E	CAP , ELECT		1
C422	CCEA1JH471E	CAP , ELECT		1
C423	CCEA1JH471E	CAP , ELECT		1
C424	CCEA1JH471E	CAP , ELECT		1
D140	CVD2W04MMFRS2	DIODE , BRIDGE(RC-2 KINK TYPE)	2W04MMFRS2 , DELTA	1
D141	CVD2W04MMFRS2	DIODE , BRIDGE(RC-2 KINK TYPE)	2W04MMFRS2 , DELTA	1
IC138	HVINJM2068DD	I.C , OP AMP	NJM2068DD	1
IC233	CVILM19CIZ2.4V	I.C , TEMP SENSOR	LM19CIZ2.4V , NATIONAL(T I)	1
JA101	CJJ4P055Z	JACK 4P WH/BL/RD/GY		1
JA102	CJJ4P063Z	JACK , RCA (4P, 401DAG, GN BN PP TA, AU PL)		1
JA103	CJJ9L004Z	JACK , RJ-45		1
JA104	CJJ5Q017Z	TERMINAL , SPEAKER (8P, GY/BL/RD/WH, SCREW , AU)	SH081Q367G, DONGBO	1
J301	C3A206	WIRE , COPPER	SN95/PB5 , 0.6	0,018
L301	CLEY0R5KAK	COIL , SPEAKER	0.5UH K	1
L302	CLEY0R5KAK	COIL , SPEAKER	0.5UH K	1
L401	CLEY0R5KAK	COIL , SPEAKER	0.5UH K	1
L402	CLEY0R5KAK	COIL , SPEAKER	0.5UH K	1
N102	CWBAVR755N102	3P WIRE ASS'Y(400MM, 3.96MM)		1
N106	CJP04GB99ZM	WAFER		1
N107	CJP04GB99ZM	WAFER		1
N108	CJP04GB99ZM	WAFER		1
N109	CJP04GB99ZM	WAFER		1
N110	CWB1E007180BM	7P WIRE ASS'Y(180MM, 2.5MM)		1
N111	CJP07GB99ZY	HOUSING		1
N114	CWB1B005200GN	5P WIRE ASS'Y(200MM, 2.0MM)		1
N119	CWB1C902200EN	WIRE ASS'Y		1
N131	CWB1C005350GN	5P WIRE ASS'Y(350MM, 2.0MM)		1
P102	CJP07GA98ZY	WAFER		1
P103	CJP10GA98ZY	WAFER		1
P104	CJP05GA01ZY	WAFER(YMW025-05R)		1
P105	CJP07GA47ZW	WAFER(7P, ST 2MM)		1
P106	CJP02GA01ZY	WAFER , STRAIGHT, 2PIN		1
P107	CJP07GA98ZY	WAFER		1
P108	CJP16GA98ZM	WAFER(16P, ST 2MM)		1
P110	CJP03GA90ZY	WAFER		1
P111	CJP02GA01ZY	WAFER , STRAIGHT, 2PIN		1
P112	CJP02GA01ZY	WAFER , STRAIGHT, 2PIN		1
P113	CJP02GA01ZY	WAFER , STRAIGHT, 2PIN		1
P114	CJP02GA01ZY	WAFER , STRAIGHT, 2PIN		1
P115	CJP04GA98ZM	WAFER		1
P116	CJP04GA98ZM	WAFER		1
P117	CJP04GA98ZM	WAFER		1
P118	CJP04GA98ZM	WAFER		1
Q231	HVTKTC3114A	T.R , BIAS	KTC3114A	1
Q232	HVTKTC3114A	T.R , BIAS	KTC3114A	1
Q233	HVTKTC3114A	T.R , BIAS	KTC3114A	1
Q234	HVTKTC3114A	T.R , BIAS	KTC3114A	1

Ref. #	Part Number	Description	Value	Qty
Q323	HVTKTC3423Y	T.R , PRE DRIVE	KTC3423Y	1
Q324	HVTKTC3423Y	T.R , PRE DRIVE	KTC3423Y	1
Q327	HVTKTA1360Y	T.R , PRE DRIVE	KTA1360Y	1
Q328	HVTKTA1360Y	T.R , PRE DRIVE	KTA1360Y	1
Q429	HVTKTC3423Y	T.R , PRE DRIVE	KTC3423Y	1
Q430	HVTKTC3423Y	T.R , PRE DRIVE	KTC3423Y	1
Q431	HVTKTA1360Y	T.R , PRE DRIVE	KTA1360Y	1
Q432	HVTKTA1360Y	T.R , PRE DRIVE	KTA1360Y	1
R130	CRG2SANJ2R2H	RES , METAL OXIDE(2.2 OHM 5% 2.0W)		1
R131	CRG2SANJ2R2H	RES , METAL OXIDE(2.2 OHM 5% 2.0W)		1
R144	CRG2SANJ3R3H	RES , METAL OXIDE(3.3 OHM 5% 2.0W)		1
R145	CRG2SANJ4R7H	RES , METAL OXIDE(4.7 OHM 5% 2.0W)		1
R146	CRG2SANJ3R3H	RES , METAL OXIDE(3.3 OHM 5% 2.0W)		1
R147	CRG2SANJ3R3H	RES , METAL OXIDE(3.3 OHM 5% 2.0W)		1
R149	C3A206	WIRE , COPPER	SN95/PB5 , 0.6	0,018
R193	CRG2SANJ121RT	RES , METAL OXIDE FILM(2W, 120)		1
R199	CRG2SANJ121RT	RES , METAL OXIDE FILM(2W, 120)		1
R378	CRF5EKR22HX2	RES , CEMENT	0.22OHM(*2), 5W	1
R379	CRF5EKR22HX2	RES , CEMENT	0.22OHM(*2), 5W	1
R392	CRG1ANJ100H	RES , METAL OXIDE FILM	10 OHM 1W J	1
R393	CRG1ANJ100H	RES , METAL OXIDE FILM	10 OHM 1W J	1
R471	CRF5EKR22HX2	RES , CEMENT	0.22OHM(*2), 5W	1
R472	CRF5EKR22HX2	RES , CEMENT	0.22OHM(*2), 5W	1
R475	CRG1ANJ100H	RES , METAL OXIDE FILM	10 OHM 1W J	1
R476	CRG1ANJ100H	RES , METAL OXIDE FILM	10 OHM 1W J	1
VR101	CVN12A221B03T	RES , SEMI FIXED (220 OHM)	NVZ6TLTAB221 / HOKURIKU	1
VR102	CVN12A221B03T	RES , SEMI FIXED (220 OHM)	NVZ6TLTAB221 / HOKURIKU	1
VR103	CVN12A221B03T	RES , SEMI FIXED (220 OHM)	NVZ6TLTAB221 / HOKURIKU	1
VR104	CVN12A221B03T	RES , SEMI FIXED (220 OHM)	NVZ6TLTAB221 / HOKURIKU	1

Ref. #	Part Number	Description	Value	Qty
	CMYAVR755/240S	**SURROUND HEAT SINK ASS'Y**		**1**
	CMYAVR755SA	SURROUND SUB HEAT SINK ASS'Y		1
	CHD1A012R	SCREW , SPECIAL		18
	CMD1A657	BRACKET , POSISTOR AVR755		1
	CMD1A660	BRACKET , HEAT SINK AVR755		5
	CMY1A292	HEAT SINK , SURR AMP AVR755		1
	CTB3+8JFZR	SCREW		5
	K8AYG6260	COMPOUND , SILICONE		3
IC801	CVIKIA578R033PI	I.C , REGULATOR 5A (TO-220IS-4)	KIA578R033PI	1
IC802	HVIKIA278R05PI	REGULATOR (5V OUTPUT LOW DROP)	KIA278R05PI	1
IC803	CVIKIA7905PI	I.C , REGULATOR(-5V)	KIA7905PI-U/PF	1
Q514	HVTKTC3114A	T.R , BIAS	KTC3114A	1
Q516	HVT2SA1859A	T.R , DRIVER	2SA1859A P -2.0A	1
Q517	HVT2SC4883A	T.R , DRIVER	2SC4883A N 2.0A	1
Q518	CVT2SC5358R	T.R , POWER(NPN 230V,15A, HFE:55~110, 80W)	2SC535R-R , TOSHIBA	1
Q519	CVT2SA1986R	T.R , POWER(PNP 230V,15A, HFE:55~110, 80W)	2SC1986-R , TOSHIBA	1
Q614	HVTKTC3114A	T.R , BIAS	KTC3114A	1
Q616	HVT2SA1859A	T.R , DRIVER	2SA1859A P -2.0A	1
Q617	HVT2SC4883A	T.R , DRIVER	2SC4883A N 2.0A	1
Q618	CVT2SC5358R	T.R , POWER(NPN 230V,15A, HFE:55~110, 80W)	2SC535R-R , TOSHIBA	1
Q619	CVT2SA1986R	T.R , POWER(PNP 230V,15A, HFE:55~110, 80W)	2SC1986-R , TOSHIBA	1
Q714	HVTKTC3114A	T.R , BIAS	KTC3114A	1
Q716	HVT2SA1859A	T.R , DRIVER	2SA1859A P -2.0A	1
Q717	HVT2SC4883A	T.R , DRIVER	2SC4883A N 2.0A	1
Q718	CVT2SC5358R	T.R , POWER(NPN 230V,15A, HFE:55~110, 80W)	2SC535R-R , TOSHIBA	1
Q719	CVT2SA1986R	T.R , POWER(PNP 230V,15A, HFE:55~110, 80W)	2SC1986-R , TOSHIBA	1

Ref. #	Part Number	Description	Value	Qty
	COP12044C	**AVR750EU SURROUND PCB ASS'Y**		**1**
C503	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C504	CCBS1H271KBT	CAP , CERAMIC(270PF/50V)	CH UP025 B271K-A-B Z	1
C505	CCEA1EH101T	CAP , ELECT	100UF 25V	1
C506	CCBS1H271KBT	CAP , CERAMIC(270PF/50V)	CH UP025 B271K-A-B Z	1
C507	CCCT1H030CC	CAP , CERAMIC	3PF 50V C	1
C508	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C509	CCKT1H181KB	CAP , CERAMIC	180PF 50V K	1
C510	CCME2A683JXT	CAP , METALIZED FILM (0.068UF/100V J)		1
C511	CCEA2AH100TS	CAP , ELECT(KRM, 100V/10UF, 6.3x11)	KRM, 100V/10UF, 6.3X11	1
C512	CCEA2AH100TS	CAP , ELECT(KRM, 100V/10UF, 6.3x11)	KRM, 100V/10UF, 6.3X11	1
C513	CCME2A104JXT	CAP , METALLIZED FILM	HMFS104J2AP050T	1
C514	CCME2A104JXT	CAP , METALLIZED FILM	HMFS104J2AP050T	1
C515	CCKT1H332KB	CAP , CERAMIC	3300PF 50V K	1
C516	CCFT1H103ZF	CAP , CERAMIC	0.01UF 50V Z	1
C603	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C604	CCBS1H271KBT	CAP , CERAMIC(270PF/50V)	CH UP025 B271K-A-B Z	1
C605	CCEA1EH101T	CAP , ELECT	100UF 25V	1
C606	CCBS1H271KBT	CAP , CERAMIC(270PF/50V)	CH UP025 B271K-A-B Z	1
C607	CCCT1H030CC	CAP , CERAMIC	3PF 50V C	1
C608	CCEA1AH221T	CAP , ELECT	220UF 10V	1

Ref. #	Part Number	Description	Value	Qty
C609	CCKT1H181KB	CAP , CERAMIC	180PF 50V K	1
C610	CCME2A683JXT	CAP , METALIZED FILM (0.068UF/100V J)		1
C611	CCEA2AH100TS	CAP , ELECT(KRM, 100V/10UF, 6.3x11)	KRM, 100V/10UF, 6.3X11	1
C612	CCEA2AH100TS	CAP , ELECT(KRM, 100V/10UF, 6.3x11)	KRM, 100V/10UF, 6.3X11	1
C613	CCME2A104JXT	CAP , METALLIZED FILM	HMFS104J2AP050T	1
C614	CCME2A104JXT	CAP , METALLIZED FILM	HMFS104J2AP050T	1
C615	CCKT1H332KB	CAP , CERAMIC	3300PF 50V K	1
C616	CCFT1H103ZF	CAP , CERAMIC	0.01UF 50V Z	1
C703	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C704	CCBS1H271KBT	CAP , CERAMIC(270PF/50V)	CH UP025 B271K-A-B Z	1
C705	CCEA1EH101T	CAP , ELECT	100UF 25V	1
C706	CCBS1H271KBT	CAP , CERAMIC(270PF/50V)	CH UP025 B271K-A-B Z	1
C707	CCCT1H030CC	CAP , CERAMIC	3PF 50V C	1
C708	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C709	CCKT1H181KB	CAP , CERAMIC	180PF 50V K	1
C710	CCME2A683JXT	CAP , METALIZED FILM (0.068UF/100V J)		1
C711	CCEA2AH100TS	CAP , ELECT(KRM, 100V/10UF, 6.3x11)	KRM, 100V/10UF, 6.3X11	1
C712	CCEA2AH100TS	CAP , ELECT(KRM, 100V/10UF, 6.3x11)	KRM, 100V/10UF, 6.3X11	1
C713	CCME2A104JXT	CAP , METALLIZED FILM	HMFS104J2AP050T	1
C714	CCME2A104JXT	CAP , METALLIZED FILM	HMFS104J2AP050T	1
C715	CCKT1H332KB	CAP , CERAMIC	3300PF 50V K	1
C716	CCFT1H103ZF	CAP , CERAMIC	0.01UF 50V Z	1
C807	CCFT1H104ZF	CAP , SEMICONDUCTOR	0.1UF 50V Z	1
C808	CCFT1H104ZF	CAP , SEMICONDUCTOR	0.1UF 50V Z	1
C809	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C810	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C811	CCFT1H104ZF	CAP , SEMICONDUCTOR	0.1UF 50V Z	1
C812	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C901	CCEA1HH100T	CAP , ELECT	10UF 50V	1
D501	HVD1N4148T	DIODE	1N4148	1
D502	HVD1N4148T	DIODE	1N4148	1
D503	HVD1N4148T	DIODE	1N4148	1
D504	HVD1N4148T	DIODE	1N4148	1
D601	HVD1N4148T	DIODE	1N4148	1
D602	HVD1N4148T	DIODE	1N4148	1
D603	HVD1N4148T	DIODE	1N4148	1
D604	HVD1N4148T	DIODE	1N4148	1
D701	HVD1N4148T	DIODE	1N4148	1
D702	HVD1N4148T	DIODE	1N4148	1
D703	HVD1N4148T	DIODE	1N4148	1
D704	HVD1N4148T	DIODE	1N4148	1
D802	HVD1N4148T	DIODE	1N4148	1
D803	HVD1N4148T	DIODE	1N4148	1
D901	HVD1N4148T	DIODE	1N4148	1
G801	HJT1A025	PALTE , EARTH	MET37-0002	1
G900	HJT1A025	PALTE , EARTH	MET37-0002	1
G901	HJT1A025	PALTE , EARTH	MET37-0002	1
Q501	HVTKTC3200GRT	T.R	KTC3200GR	1
Q502	HVTKTC3200GRT	T.R	KTC3200GR	1
Q503	HVTKTC3200GRT	T.R	KTC3200GR	1
Q504	HVTKTC3198YT	T.R	KTC3198Y	1
Q505	CVT2SA1145YFT	T.R , PNP HFE:120~240 TO-92L	2SA1145-Y(TE6,F	1
Q506	HVTKTA1268GRT	T.R	KTA1268GR	1
Q507	HVTKTC3200GRT	T.R	KTC3200GR	1
Q508	HVTKTA1024YT	T.R	KTA1024-Y-AT/P	1
Q509	HVTKTC3206YAT	T.R	KTC3206-Y-AT/P	1
Q511	HVTKTA1024YT	T.R	KTA1024-Y-AT/P	1
Q512	HVTKTC3206YAT	T.R	KTC3206-Y-AT/P	1
Q520	HVTKTC3200GRT	T.R	KTC3200GR	1
Q601	HVTKTC3200GRT	T.R	KTC3200GR	1
Q602	HVTKTC3200GRT	T.R	KTC3200GR	1
Q603	HVTKTC3200GRT	T.R	KTC3200GR	1
Q604	HVTKTC3198YT	T.R	KTC3198Y	1
Q605	CVT2SA1145YFT	T.R , PNP HFE:120~240 TO-92L	2SA1145-Y(TE6,F	1
Q606	HVTKTA1268GRT	T.R	KTA1268GR	1
Q607	HVTKTC3200GRT	T.R	KTC3200GR	1
Q608	HVTKTA1024YT	T.R	KTA1024-Y-AT/P	1
Q609	HVTKTC3206YAT	T.R	KTC3206-Y-AT/P	1
Q611	HVTKTA1024YT	T.R	KTA1024-Y-AT/P	1
Q612	HVTKTC3206YAT	T.R	KTC3206-Y-AT/P	1
Q620	HVTKTC3200GRT	T.R	KTC3200GR	1
Q701	HVTKTC3200GRT	T.R	KTC3200GR	1
Q702	HVTKTC3200GRT	T.R	KTC3200GR	1
Q703	HVTKTC3200GRT	T.R	KTC3200GR	1
Q704	HVTKTC3198YT	T.R	KTC3198Y	1
Q705	CVT2SA1145YFT	T.R , PNP HFE:120~240 TO-92L	2SA1145-Y(TE6,F	1
Q706	HVTKTA1268GRT	T.R	KTA1268GR	1
Q707	HVTKTC3200GRT	T.R	KTC3200GR	1
Q708	HVTKTA1024YT	T.R	KTA1024-Y-AT/P	1
Q709	HVTKTC3206YAT	T.R	KTC3206-Y-AT/P	1
Q711	HVTKTA1024YT	T.R	KTA1024-Y-AT/P	1
Q712	HVTKTC3206YAT	T.R	KTC3206-Y-AT/P	1
Q720	HVTKTC3200GRT	T.R	KTC3200GR	1
Q901	HVTKTA1268GRT	T.R	KTA1268GR	1
R501	CRD20TJ331T	RES , CARBON	330 OHM 1/5W J	1
R502	CRD20TJ333T	RES , CARBON	33K OHM 1/5W J	1

Ref. #	Part Number	Description	Value	Qty
R504	CRD20TJ433T	RES , CARBON	43K OHM 1/5W J	1
R505	CRD20TJ221T	RES , CARBON	220 OHM 1/5W J	1
R506	CRD20TJ221T	RES , CARBON	220 OHM 1/5W J	1
R507	CRD20TJ221T	RES , CARBON	220 OHM 1/5W J	1
R508	CRD20TJ471T	RES , CARBON	470 OHM 1/5W J	1
R509	CRD20TJ162T	RES , CARBON	1K6 ohm 1/4W 5%	1
R510	CRD20TJ162T	RES , CARBON	1K6 ohm 1/4W 5%	1
R511	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R512	CRD20TF3302T	RES , CARBON	33K0ohm +1% 1/4W SMALL TYPE	1
R513	CRD20TF1401T	RES , CARBON	1.4K OHM 1% 1/6W	1
R514	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R515	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R516	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R517	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R518	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R519	CRD20TJ201T	RES , CARBON	200 OHM 1/5 W	1
R520	CRD20TJ153T	RES , CARBON	15K OHM 1/5W J	1
R521	CRD20TJ153T	RES , CARBON	15K OHM 1/5W J	1
R522	CRD20TJ201T	RES , CARBON	200 OHM 1/5 W	1
R523	CRD20TJ201T	RES , CARBON	200 OHM 1/5 W	1
R524	CRD20TJ201T	RES , CARBON	200 OHM 1/5 W	1
R525	CRD50FJ100T	RES , CARBON	10 ohm 1/2W 5%	1
R526	CRD20TJ101T	RES , CARBON	100 OHM 1/5W J	1
R527	CRD20TJ2R2T	RES , CARBON	2.2 OHM 1/5W J	1
R528	CRD20TJ150T	RES , CARBON	15 OHM 1/5W J	1
R529	CRD20TF2801T	RES , CARBON	2K8 ohm 1/4W 5%	1
R530	CRD20TJ821T	RES , CARBON	820 OHM 1/5W J	1
R533	CRD50FJ100T	RES , CARBON	10 ohm 1/2W 5%	1
R534	CRD20TJ820T	RES , CARBON	82 OHM 1/5W J	1
R535	CRD20TJ150T	RES , CARBON	15 OHM 1/5W J	1
R536	CRD20TJ101T	RES , CARBON	100 OHM 1/5W J	1
R537	CRD20TJ2R2T	RES , CARBON	2.2 OHM 1/5W J	1
R539	CRD20TJ152T	RES , CARBON	1.5K OHM 1/5W J	1
R540	CRD20TJ153T	RES , CARBON	15K OHM 1/5W J	1
R541	CRD20TJ152T	RES , CARBON	1.5K OHM 1/5W J	1
R542	CRD20TJ393T	RES , CARBON	39K ohm 1/4W 5%	1
R543	CRD20TJ100T	RES , CARBON	10 OHM 1/5W J	1
R544	CRD20TJ223T	RES , CARBON	22K OHM 1/5W J	1
R546	CRD20TJ104T	RES , CARBON	100K OHM 1/5W J	1
R599	CRD20TJ100T	RES , CARBON	10 OHM 1/5W J	1
R601	CRD20TJ331T	RES , CARBON	330 OHM 1/5W J	1
R602	CRD20TJ333T	RES , CARBON	33K OHM 1/5W J	1
R604	CRD20TJ433T	RES , CARBON	43K OHM 1/5W J	1
R605	CRD20TJ221T	RES , CARBON	220 OHM 1/5W J	1
R606	CRD20TJ221T	RES , CARBON	220 OHM 1/5W J	1
R607	CRD20TJ221T	RES , CARBON	220 OHM 1/5W J	1
R608	CRD20TJ471T	RES , CARBON	470 OHM 1/5W J	1
R609	CRD20TJ162T	RES , CARBON	1K6 ohm 1/4W 5%	1
R610	CRD20TJ162T	RES , CARBON	1K6 ohm 1/4W 5%	1
R611	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R612	CRD20TF3302T	RES , CARBON	33K0ohm +1% 1/4W SMALL TYPE	1
R613	CRD20TF1401T	RES , CARBON	1.4K OHM 1% 1/6W	1
R614	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R615	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R616	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R617	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R618	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R619	CRD20TJ201T	RES , CARBON	200 OHM 1/5 W	1
R620	CRD20TJ153T	RES , CARBON	15K OHM 1/5W J	1
R621	CRD20TJ153T	RES , CARBON	15K OHM 1/5W J	1
R622	CRD20TJ201T	RES , CARBON	200 OHM 1/5 W	1
R623	CRD20TJ201T	RES , CARBON	200 OHM 1/5 W	1
R624	CRD20TJ201T	RES , CARBON	200 OHM 1/5 W	1
R625	CRD50FJ100T	RES , CARBON	10 ohm 1/2W 5%	1
R626	CRD20TJ101T	RES , CARBON	100 OHM 1/5W J	1
R627	CRD20TJ2R2T	RES , CARBON	2.2 OHM 1/5W J	1
R628	CRD20TJ150T	RES , CARBON	15 OHM 1/5W J	1
R629	CRD20TF2801T	RES , CARBON	2K8 ohm 1/4W 5%	1
R630	CRD20TJ821T	RES , CARBON	820 OHM 1/5W J	1
R633	CRD50FJ100T	RES , CARBON	10 ohm 1/2W 5%	1
R634	CRD20TJ820T	RES , CARBON	82 OHM 1/5W J	1
R635	CRD20TJ150T	RES , CARBON	15 OHM 1/5W J	1
R636	CRD20TJ101T	RES , CARBON	100 OHM 1/5W J	1
R637	CRD20TJ2R2T	RES , CARBON	2.2 OHM 1/5W J	1
R639	CRD20TJ152T	RES , CARBON	1.5K OHM 1/5W J	1
R640	CRD20TJ153T	RES , CARBON	15K OHM 1/5W J	1
R641	CRD20TJ152T	RES , CARBON	1.5K OHM 1/5W J	1
R642	CRD20TJ393T	RES , CARBON	39K ohm 1/4W 5%	1
R643	CRD20TJ100T	RES , CARBON	10 OHM 1/5W J	1
R644	CRD20TJ223T	RES , CARBON	22K OHM 1/5W J	1
R646	CRD20TJ104T	RES , CARBON	100K OHM 1/5W J	1
R699	CRD20TJ100T	RES , CARBON	10 OHM 1/5W J	1
R701	CRD20TJ331T	RES , CARBON	330 OHM 1/5W J	1
R702	CRD20TJ333T	RES , CARBON	33K OHM 1/5W J	1
R704	CRD20TJ433T	RES , CARBON	43K OHM 1/5W J	1
R705	CRD20TJ221T	RES , CARBON	220 OHM 1/5W J	1

Ref. #	Part Number	Description	Value	Qty
R706	CRD20TJ221T	RES , CARBON	220 OHM 1/5W J	1
R707	CRD20TJ221T	RES , CARBON	220 OHM 1/5W J	1
R708	CRD20TJ471T	RES , CARBON	470 OHM 1/5W J	1
R709	CRD20TJ162T	RES , CARBON	1K6 ohm 1/4W 5%	1
R710	CRD20TJ162T	RES , CARBON	1K6 ohm 1/4W 5%	1
R711	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R712	CRD20TF3302T	RES , CARBON	33K0ohm +1% 1/4W SMALL TYPE	1
R713	CRD20TF1401T	RES , CARBON	1.4K OHM 1% 1/6W	1
R714	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R715	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R716	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R717	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R718	CRD20TJ561T	RES , CARBON	560 OHM 1/5W J	1
R719	CRD20TJ201T	RES , CARBON	200 OHM 1/5 W	1
R720	CRD20TJ153T	RES , CARBON	15K OHM 1/5W J	1
R721	CRD20TJ153T	RES , CARBON	15K OHM 1/5W J	1
R722	CRD20TJ201T	RES , CARBON	200 OHM 1/5 W	1
R723	CRD20TJ201T	RES , CARBON	200 OHM 1/5 W	1
R724	CRD20TJ201T	RES , CARBON	200 OHM 1/5 W	1
R725	CRD50FJ100T	RES , CARBON	10 ohm 1/2W 5%	1
R726	CRD20TJ101T	RES , CARBON	100 OHM 1/5W J	1
R727	CRD20TJ2R2T	RES , CARBON	2.2 OHM 1/5W J	1
R728	CRD20TJ150T	RES , CARBON	15 OHM 1/5W J	1
R729	CRD20TF2801T	RES , CARBON	2K8 ohm 1/4W 5%	1
R730	CRD20TJ821T	RES , CARBON	820 OHM 1/5W J	1
R733	CRD50FJ100T	RES , CARBON	10 ohm 1/2W 5%	1
R734	CRD20TJ820T	RES , CARBON	82 OHM 1/5W J	1
R735	CRD20TJ150T	RES , CARBON	15 OHM 1/5W J	1
R736	CRD20TJ101T	RES , CARBON	100 OHM 1/5W J	1
R737	CRD20TJ2R2T	RES , CARBON	2.2 OHM 1/5W J	1
R739	CRD20TJ152T	RES , CARBON	1.5K OHM 1/5W J	1
R740	CRD20TJ153T	RES , CARBON	15K OHM 1/5W J	1
R741	CRD20TJ152T	RES , CARBON	1.5K OHM 1/5W J	1
R742	CRD20TJ393T	RES , CARBON	39K ohm 1/4W 5%	1
R743	CRD20TJ100T	RES , CARBON	10 OHM 1/5W J	1
R744	CRD20TJ223T	RES , CARBON	22K OHM 1/5W J	1
R746	CRD20TJ104T	RES , CARBON	100K OHM 1/5W J	1
R799	CRD20TJ100T	RES , CARBON	10 OHM 1/5W J	1
R805	CRD20TJ103T	RES , CARBON	10K OHM 1/5W J	1
R806	CRD20TJ103T	RES , CARBON	10K OHM 1/5W J	1
R807	CRD20TJ471T	RES , CARBON	470 OHM 1/5W J	1
R808	CRD20TJ101T	RES , CARBON	100 OHM 1/5W J	1
R901	CRD20TJ103T	RES , CARBON	10K OHM 1/5W J	1
R902	CRD20TJ393T	RES , CARBON	39K ohm 1/4W 5%	1
	CTB3+8JFZR	SCREW		1
	CTW3+8JR	SCREW		5
C501	CCEA1JH471E	CAP , ELECT	470uF 63V +20% 85C	1
C502	CCEA1JH471E	CAP , ELECT	470uF 63V +20% 85C	1
C601	CCEA1JH471E	CAP , ELECT	470uF 63V +20% 85C	1
C602	CCEA1JH471E	CAP , ELECT	470uF 63V +20% 85C	1
C701	CCEA1JH471E	CAP , ELECT	470uF 63V +20% 85C	1
C702	CCEA1JH471E	CAP , ELECT	470uF 63V +20% 85C	1
C800	CCEA1CH682E	CAP , ELECT	6800uF 16V M 16x25 85C 120Hz	1
C804	CCEA1EH222E	CAP , ELECT	2200UF 25V	1
C806	CCEA1CH682E	CAP , ELECT	6800uF 16V M 16x25 85C 120Hz	1
C813	CCEA1CH682E	CAP , ELECT	6800uF 16V M 16x25 85C 120Hz	1
C814	CCEA1CH682E	CAP , ELECT	6800uF 16V M 16x25 85C 120Hz	1
C815	CCEA1EH222E	CAP , ELECT	2200UF 25V	1
C816	CCFT1H104ZF	CAP , SEMICONDUCTOR	0.1UF 50V Z	1
C817	CCFT1H104ZF	CAP , SEMICONDUCTOR	0.1UF 50V Z	1
JA901	CJJ5R014Z	TERMINAL , SPEAKER (6P, GN/BN/TA, SCREW , AU)	SH061Q707G, DONGBO	1
L501	CLEY0R5KAK	COIL , SPEAKER	0.5UH K	1
L601	CLEY0R5KAK	COIL , SPEAKER	0.5UH K	1
L701	CLEY0R5KAK	COIL , SPEAKER	0.5UH K	1
N501	CWB1E007300BM	7P WIRE ASS'Y(300MM, 2.5MM)		1
N502	CWBAVR755N502	6P WIRE ASS'Y(120MM, 3.96MM)		1
N503	CJP03GA90ZY	WAFER	35313-0310 3.96mm 3P	1
N505	CWBAVR755N505	10P WIRE ASS'Y(250MM, 2.0MM)		1
P501	CJP02GB03ZY	WAFER , 2P(2.5MM BOARD TYPE)	YEONHO YM025 SERIES	1
P506	CJP03GA47ZW	WAFER(3P, ST 2MM)	GIL-S-3P-S2T2-EF 3P	1
P601	CJP02GB03ZY	WAFER , 2P(2.5MM BOARD TYPE)	YEONHO YM025 SERIES	1
P701	CJP02GB03ZY	WAFER , 2P(2.5MM BOARD TYPE)	YEONHO YM025 SERIES	1
Q513	HVTKTC3423Y	T.R , PRE DRIVE	KTC3423Y	1
Q515	HVTKTA1360Y	T.R , PRE DRIVE	KTA1360Y	1
Q613	HVTKTC3423Y	T.R , PRE DRIVE	KTC3423Y	1
Q615	HVTKTA1360Y	T.R , PRE DRIVE	KTA1360Y	1
Q713	HVTKTC3423Y	T.R , PRE DRIVE	KTC3423Y	1
Q715	HVTKTA1360Y	T.R , PRE DRIVE	KTA1360Y	1
R538	CRF5EKR22HX2	RES , CEMENT	0.22OHM(*2), 5W	1
R545	CRG1ANJ100H	RES , METAL OXIDE FILM	10 OHM 1W J	1
R638	CRF5EKR22HX2	RES , CEMENT	0.22OHM(*2), 5W	1
R645	CRG1ANJ100H	RES , METAL OXIDE FILM	10 OHM 1W J	1
R738	CRF5EKR22HX2	RES , CEMENT	0.22OHM(*2), 5W	1
R745	CRG1ANJ100H	RES , METAL OXIDE FILM	10 OHM 1W J	1
VR501	CVN3RE221B02	RES , SEMI FIXED METAL(220 OHM, B CURVE, 6.4X7.3)	EVMEGGA00BE2	1
VR601	CVN3RE221B02	RES , SEMI FIXED METAL(220 OHM, B CURVE, 6.4X7.3)	EVMEGGA00BE2	1

Ref. #	Part Number	Description	Value	Qty
VR701	CVN3RE221B02	RES , SEMI FIXED METAL(220 OHM, B CURVE, 6.4X7.3)	EVMEGGA00BE2	1
W900	CWBAVR755W900	2P WIRE ASS'Y(230MM, 3.96MM)		1
Ref. #	**Part Number**	**Description**	**Value**	**Qty**
	COP12038C	**AVR760EU DSP PCB ASS'Y**		
BD4001	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4012	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4014	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)		1
BD4016	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)		1
BD4017	CLZ91002Z	FERRITE , CHIP BEAD(120ohm, 3216)	HCB3216KF-121T50	1
BD4020	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4021	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4025	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4030	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4031	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4032	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4033	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4034	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4035	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4036	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4037	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4038	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4039	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4040	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4041	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4042	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4043	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4044	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4045	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4046	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4047	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4048	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4049	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4050	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
C4041	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4050	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4051	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4099	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4192	CCSJB1A220B	CAP , CHIP TANTAL(B TYPE, 22uF/10V, ELNA)		1
C4194	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4195	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4196	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4197	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4198	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4199	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4200	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4201	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4202	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4203	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4204	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4205	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4209	CCUS1H220JA	CAP , CHIP (1608, 50V/22pF)	22PF 50V J	1
C4210	CCUS1H220JA	CAP , CHIP (1608, 50V/22pF)	22PF 50V J	1
C4211	CCUS1H220JA	CAP , CHIP (1608, 50V/22pF)	22PF 50V J	1
C4212	CCUS1H220JA	CAP , CHIP (1608, 50V/22pF)	22PF 50V J	1
C4214	CCUS1H103KC	CAP , CHIP (1608, 50V/0.01uF)	0.01UF 50V K	1
C4216	CCUS1H103KC	CAP , CHIP (1608, 50V/0.01uF)	0.01UF 50V K	1
C4217	CCUS1H103KC	CAP , CHIP (1608, 50V/0.01uF)	0.01UF 50V K	1
C4218	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4219	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4220	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4221	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4222	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4223	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4224	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4225	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4233	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4235	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4237	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4238	CCUS1H221JA	CAP , CHIP (1608, 50V/220pF)	220PF 50V J	1
C4239	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4240	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4242	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4243	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4244	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4245	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4246	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4247	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4249	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4250	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4251	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4252	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1

Ref. #	Part Number	Description	Value	Qty
C4253	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4254	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4255	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4256	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4257	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4258	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4261	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4262	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4263	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4264	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4265	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4266	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4267	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4268	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4270	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4271	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4272	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4273	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4274	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4275	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4276	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4277	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4279	CCUS1H102KC	CAP , CHIP (1608, 50V/1000pF)	1000PF 50V K	1
C4280	CCUS1H102KC	CAP , CHIP (1608, 50V/1000pF)	1000PF 50V K	1
C4281	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4283	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4284	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4285	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4287	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4288	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4289	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4290	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4291	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4292	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4293	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4295	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4296	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4297	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4299	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4300	CCUS1H392KC	CAP , CHIP (1608, 50V/3900pF)	3900PF 50V K	1
C4301	CCUS1H561JA	CAP , CHIP (1608, 50V/560pF)	560PF 50V J	1
C4302	CCUS1H220JA	CAP , CHIP (1608, 50V/22pF)	22PF 50V J	1
C4303	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4304	CCUS1H392KC	CAP , CHIP (1608, 50V/3900pF)	3900PF 50V K	1
C4305	CCUS1H561JA	CAP , CHIP (1608, 50V/560pF)	560PF 50V J	1
C4306	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4307	CCUS1H392KC	CAP , CHIP (1608, 50V/3900pF)	3900PF 50V K	1
C4308	CCUS1H561JA	CAP , CHIP (1608, 50V/560pF)	560PF 50V J	1
C4309	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4310	CCUS1H392KC	CAP , CHIP (1608, 50V/3900pF)	3900PF 50V K	1
C4311	CCUS1H561JA	CAP , CHIP (1608, 50V/560pF)	560PF 50V J	1
C4312	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4313	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4314	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4315	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4316	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4317	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4318	CCUS1H392KC	CAP , CHIP (1608, 50V/3900pF)	3900PF 50V K	1
C4319	CCUS1H561JA	CAP , CHIP (1608, 50V/560pF)	560PF 50V J	1
C4320	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4321	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4322	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4323	CCUS1H392KC	CAP , CHIP (1608, 50V/3900pF)	3900PF 50V K	1
C4324	CCUS1H561JA	CAP , CHIP (1608, 50V/560pF)	560PF 50V J	1
C4325	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4327	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4328	CCSNA1C100B	CAP , CHIP TANTAL(10uF/16V, NingXia XingRi)	XRCA45 XXX M XXX AT	1
C4329	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4330	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4331	CCUS1H392KC	CAP , CHIP (1608, 50V/3900pF)	3900PF 50V K	1
C4332	CCUS1H561JA	CAP , CHIP (1608, 50V/560pF)	560PF 50V J	1
C4333	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4334	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4335	CCUS1H392KC	CAP , CHIP (1608, 50V/3900pF)	3900PF 50V K	1
C4336	CCUS1H561JA	CAP , CHIP (1608, 50V/560pF)	560PF 50V J	1
C4337	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4338	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4339	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4340	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4341	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4342	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4343	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4344	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4345	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4346	CCUS1H392KC	CAP , CHIP (1608, 50V/3900pF)	3900PF 50V K	1
C4347	CCUS1H561JA	CAP , CHIP (1608, 50V/560pF)	560PF 50V J	1

Ref. #	Part Number	Description	Value	Qty
C4348	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4349	CCUS1A105KC	CAP , CHIP (1608, 10V/1uF)	1UF 10V K	1
C4350	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4351	CCUS1H102KC	CAP , CHIP (1608, 50V/1000pF)	1000PF 50V K	1
C4352	CCUS1H392KC	CAP , CHIP (1608, 50V/3900pF)	3900PF 50V K	1
C4353	CCUS1H561JA	CAP , CHIP (1608, 50V/560pF)	560PF 50V J	1
C4354	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4355	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4356	CCSJB1A220B	CAP , CHIP TANTAL(B TYPE, 22uF/10V, ELNA)		1
C4357	CCUS1H103KC	CAP , CHIP (1608, 50V/0.01uF)	0.01UF 50V K	1
C4358	CCUS1H103KC	CAP , CHIP (1608, 50V/0.01uF)	0.01UF 50V K	1
C4359	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4360	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4361	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4362	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4363	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4364	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4365	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4366	CCUS1H103KC	CAP , CHIP (1608, 50V/0.01uF)	0.01UF 50V K	1
C4367	CCUS1H272KC	CAP , CHIP (1608, 50V/2700pF)	2700PF 50V K	1
C4368	CCUS1H821JA	CAP , CHIP (1608, 50V/820pF)	820PF 50V J	1
C4369	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4370	CCUS1H272KC	CAP , CHIP (1608, 50V/2700pF)	2700PF 50V K	1
C4371	CCUS1H821JA	CAP , CHIP (1608, 50V/820pF)	820PF 50V J	1
C4372	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4373	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4374	CCUC1H104KC	CHIP, CAP 0.1UF/50V/2012		1
C4375	CCUS1A105KC	CAP , CHIP (1608, 10V/1uF)	1UF 10V K	1
C4376	CCUS1H392KC	CAP , CHIP (1608, 50V/3900pF)	3900PF 50V K	1
C4377	CCUS1H561JA	CAP , CHIP (1608, 50V/560pF)	560PF 50V J	1
C4378	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4379	CCUS1H103KC	CAP , CHIP (1608, 50V/0.01uF)	0.01UF 50V K	1
C4381	CCUC1H104KC	CHIP, CAP 0.1UF/50V/2012		1
C4382	CCUS1H392KC	CAP , CHIP (1608, 50V/3900pF)	3900PF 50V K	1
C4383	CCUS1H561JA	CAP , CHIP (1608, 50V/560pF)	560PF 50V J	1
C4384	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4385	CCSNA1C100B	CAP , CHIP TANTAL(10uF/16V, NingXia XingRi)	XRCA45 XXX M XXX AT	1
C4386	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4387	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4388	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4389	CCUS1H392KC	CAP , CHIP (1608, 50V/3900pF)	3900PF 50V K	1
C4390	CCUS1H561JA	CAP , CHIP (1608, 50V/560pF)	560PF 50V J	1
C4391	CCUS1H561JA	CAP , CHIP (1608, 50V/560pF)	560PF 50V J	1
C4392	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4393	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4394	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4395	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4396	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4397	CCUS1H392KC	CAP , CHIP (1608, 50V/3900pF)	3900PF 50V K	1
C4398	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4399	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4400	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4401	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4402	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4403	CCUS1H330JA	CAP , CHIP (1608, 50V/33pF)	33PF 50V J	1
C4404	CCUS1H330JA	CAP , CHIP (1608, 50V/33pF)	33PF 50V J	1
C4405	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4406	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4407	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4408	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4409	CCUS1H220JA	CAP , CHIP (1608, 50V/22pF)	22PF 50V J	1
C4410	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4411	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4412	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4413	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4414	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4415	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4416	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4417	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4418	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4419	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4420	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4421	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4422	CCUS1H272KC	CAP , CHIP (1608, 50V/2700pF)	2700PF 50V K	1
C4423	CCUS1H471JA	CAP , CHIP (1608, 50V/470pF)	470PF 50V J	1
C4424	CCSNA1C100B	CAP , CHIP TANTAL(10uF/16V, NingXia XingRi)	XRCA45 XXX M XXX AT	1
C4425	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4426	CCUS1H272KC	CAP , CHIP (1608, 50V/2700pF)	2700PF 50V K	1
C4427	CCUS1H471JA	CAP , CHIP (1608, 50V/470pF)	470PF 50V J	1
C4428	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4429	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4430	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4431	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4432	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4433	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4434	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1

Ref. #	Part Number	Description	Value	Qty
C4435	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4436	CCUS1H272KC	CAP , CHIP (1608, 50V/2700pF)	2700PF 50V K	1
C4437	CCUS1H471JA	CAP , CHIP (1608, 50V/470pF)	470PF 50V J	1
C4438	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4439	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4440	CCUS1H272KC	CAP , CHIP (1608, 50V/2700pF)	2700PF 50V K	1
C4441	CCUS1H471JA	CAP , CHIP (1608, 50V/470pF)	470PF 50V J	1
C4442	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4443	CCUS1A105KC	CAP , CHIP (1608, 10V/1uF)	1UF 10V K	1
C4444	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4445	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4446	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4447	CCSJB1A220B	CAP , CHIP TANTAL(B TYPE, 22uF/10V, ELNA)		1
C4448	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4449	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4450	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4451	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4452	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4453	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4454	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4455	CCUI1A104KC	CAP , CHIP (1005, 10V/0.1uF)		1
C4456	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4457	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4458	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4459	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4460	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4461	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4462	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4463	CCUS1A105KC	CAP , CHIP (1608, 10V/1uF)	1UF 10V K	1
C4464	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4465	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4466	CCUS1H272KC	CAP , CHIP (1608, 50V/2700pF)	2700PF 50V K	1
C4467	CCUS1H122KC	CAP , CHIP (1608, 50V/1200pF)	1200PF 50V K	1
C4468	CCSNA1C100B	CAP , CHIP TANTAL(10uF/16V, NingXia XingRi)	XRCA45 XXX M XXX AT	1
C4469	CCUS1H272KC	CAP , CHIP (1608, 50V/2700pF)	2700PF 50V K	1
C4470	CCUS1H122KC	CAP , CHIP (1608, 50V/1200pF)	1200PF 50V K	1
C4471	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4472	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4473	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4474	CCUS1H222KC	CAP , CHIP (1608, 50V/2200pF)	2200PF 50V K	1
C4475	CCUS1H222KC	CAP , CHIP (1608, 50V/2200pF)	2200PF 50V K	1
C4478	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4479	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4480	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4481	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4482	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4483	CCUS1H272KC	CAP , CHIP (1608, 50V/2700pF)	2700PF 50V K	1
C4484	CCUS1H471JA	CAP , CHIP (1608, 50V/470pF)	470PF 50V J	1
C4485	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4486	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4487	CCUS1H272KC	CAP , CHIP (1608, 50V/2700pF)	2700PF 50V K	1
C4488	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4489	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4490	CCUS1H471JA	CAP , CHIP (1608, 50V/470pF)	470PF 50V J	1
C4492	CCUS1H272KC	CAP , CHIP (1608, 50V/2700pF)	2700PF 50V K	1
C4493	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4494	CCUS1H272KC	CAP , CHIP (1608, 50V/2700pF)	2700PF 50V K	1
C4495	CCUS1H471JA	CAP , CHIP (1608, 50V/470pF)	470PF 50V J	1
C4496	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4497	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4498	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4499	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4500	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4501	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4502	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4503	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4504	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4505	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4506	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4507	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4508	CCUS1H330JA	CAP , CHIP (1608, 50V/33pF)	33PF 50V J	1
C4509	CCUS1H330JA	CAP , CHIP (1608, 50V/33pF)	33PF 50V J	1
C4510	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4511	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4512	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4513	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4514	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4516	CCUS1H470JA	CAP , CHIP (1608, 50V/47pF)	47PF 50V J	1
C4517	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4518	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4519	CCUS1H470JA	CAP , CHIP (1608, 50V/47pF)	47PF 50V J	1
C4520	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4521	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4522	CCUS1H102KC	CAP , CHIP (1608, 50V/1000pF)	1000PF 50V K	1
C4523	CCUS1H102KC	CAP , CHIP (1608, 50V/1000pF)	1000PF 50V K	1
C4524	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1

Ref. #	Part Number	Description	Value	Qty
C4525	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4527	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4528	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4529	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4530	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4531	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
D4003	CVD1SS355T	DIODE , CHIP , SWITCHING		1
D4004	CVD1SS355T	DIODE , CHIP , SWITCHING		1
D4005	CVD1SS355T	DIODE , CHIP , SWITCHING		1
D4010	CVD1SS355T	DIODE , CHIP , SWITCHING		1
D4011	CVD1SS355T	DIODE , CHIP , SWITCHING		1
D4012	CVD1SS355T	DIODE , CHIP , SWITCHING		1
D4013	CVD1SS355T	DIODE , CHIP , SWITCHING		1
IC4047	CVISN74LVC1G125DBVR	I.C , SINGLE BUS BUFFER GATE SOT(SOT-23)DBV		1
IC4048	CVISN74LVC1G125DBVR	I.C , SINGLE BUS BUFFER GATE SOT(SOT-23)DBV		1
IC4050	CVISN74LVC1G17DBVR	I.C , SINGLE SCHMITT BUFFER SOT(SOT-23)DBV		1
IC4051	CVISN74LVC1G17DBVR	I.C , SINGLE SCHMITT BUFFER SOT(SOT-23)DBV		1
IC4052	HVINJM2068MDTE1	I.C , OP AMP (JRC)	NJM2068MD-TE1	1
IC4053	HVINJM2068MDTE1	I.C , OP AMP (JRC)	NJM2068MD-TE1	1
IC4055	CVIBU4094BCF	I.C , CMOS SOP-16		1
IC4060	CVIPC17K1CTN	I.C , PHOTO COUPLER CHIP , PC17K1CTN	PC17K1CTN , KODENSHI	1
IC4062	CVISN74LV125APWR	I.C , QUAD BUS BUFFER TSSOP-14		1
L4005	CLQ10E100MRY	COIL , CHIP(10UH, 3226)	MIP3226D100M	1
L4006	CLQ10E100MRY	COIL , CHIP(10UH, 3226)	MIP3226D100M	1
Q4006	HVTKRC107S	T.R , CHIP , SOT-23		1
Q4007	HVTKRC107S	T.R , CHIP , SOT-23		1
Q4009	HVTKRC107S	T.R , CHIP , SOT-23		1
Q4013	HVTKRC107S	T.R , CHIP , SOT-23		1
Q4014	HVTKRC107S	T.R , CHIP , SOT-23		1
Q4015	HVTKRC107S	T.R , CHIP , SOT-23		1
Q4016	HVTKRC107S	T.R , CHIP , SOT-23		1
Q4018	HVTKRC107S	T.R , CHIP , SOT-23		1
Q4019	HVTKRC107S	T.R , CHIP , SOT-23		1
Q4020	HVTKRC107S	T.R , CHIP , SOT-23		1
R4010	CRJ10DJ0R0T	RES , CHIP(0 OHM , 5% , 1608)	1608 SIZE	1
R4011	CRJ10DJ0R0T	RES , CHIP(0 OHM , 5% , 1608)	1608 SIZE	1
R4012	CRJ10DJ0R0T	RES , CHIP(0 OHM , 5% , 1608)	1608 SIZE	1
R4158	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4175	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4176	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4177	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4184	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4194	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4197	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4198	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4216	CRJ10DJ823T	RES , CHIP(82K OHM , 5% , 1608)		1
R4217	CRJ10DJ823T	RES , CHIP(82K OHM , 5% , 1608)		1
R4218	CRJ10DJ823T	RES , CHIP(82K OHM , 5% , 1608)		1
R4219	CRJ10DJ823T	RES , CHIP(82K OHM , 5% , 1608)		1
R4220	CRJ10DJ823T	RES , CHIP(82K OHM , 5% , 1608)		1
R4221	CRJ10DJ823T	RES , CHIP(82K OHM , 5% , 1608)		1
R4222	CRJ10DJ823T	RES , CHIP(82K OHM , 5% , 1608)		1
R4223	CRJ10DJ823T	RES , CHIP(82K OHM , 5% , 1608)		1
R4230	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4231	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4232	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4239	CRJ10DJ750T	RES , CHIP(75 OHM , 5% , 1608)	1608 SIZE	1
R4240	CRJ10DJ750T	RES , CHIP(75 OHM , 5% , 1608)	1608 SIZE	1
R4241	CRJ10DJ750T	RES , CHIP(75 OHM , 5% , 1608)	1608 SIZE	1
R4242	CRJ10DJ821T	RES , CHIP(820 OHM , 5% , 1608)	1608 SIZE	1
R4243	CRJ10DJ821T	RES , CHIP(820 OHM , 5% , 1608)	1608 SIZE	1
R4244	CRJ10DJ332T	RES , CHIP(3.3K OHM , 5% , 1608)	1608 SIZE	1
R4245	CRJ10DJ821T	RES , CHIP(820 OHM , 5% , 1608)	1608 SIZE	1
R4246	CRJ10DJ821T	RES , CHIP(820 OHM , 5% , 1608)	1608 SIZE	1
R4247	CRJ10DJ821T	RES , CHIP(820 OHM , 5% , 1608)	1608 SIZE	1
R4248	CRJ10DJ821T	RES , CHIP(820 OHM , 5% , 1608)	1608 SIZE	1
R4249	CRJ10DJ821T	RES , CHIP(820 OHM , 5% , 1608)	1608 SIZE	1
R4252	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4253	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4254	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4255	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4256	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4257	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4258	CRJ10DJ682T	RES , CHIP(6.8K OHM , 5% , 1608)	1608 SIZE	1
R4259	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4260	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4261	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4262	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4263	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4267	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4268	CRJ10DJ473T	RES , CHIP(47K OHM , 5% , 1608)	1608 SIZE	1
R4269	CRJ10DJ473T	RES , CHIP(47K OHM , 5% , 1608)	1608 SIZE	1
R4270	CRJ10DJ473T	RES , CHIP(47K OHM , 5% , 1608)	1608 SIZE	1
R4271	CRJ10DJ473T	RES , CHIP(47K OHM , 5% , 1608)	1608 SIZE	1
R4272	CRJ10DJ473T	RES , CHIP(47K OHM , 5% , 1608)	1608 SIZE	1
R4273	CRJ10DJ473T	RES , CHIP(47K OHM , 5% , 1608)	1608 SIZE	1

Ref. #	Part Number	Description	Value	Qty
R4274	CRJ10DJ473T	RES , CHIP(47K OHM , 5% , 1608)	1608 SIZE	1
R4275	CRJ10DJ473T	RES , CHIP(47K OHM , 5% , 1608)	1608 SIZE	1
R4279	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4280	CRJ10DJ152T	RES , CHIP(1.5K OHM , 5% , 1608)	1608 SIZE	1
R4281	CRJ10DJ153T	RES , CHIP(15K OHM , 5% , 1608)		1
R4284	CRJ18AJ101T	RES , CHIP , 100 OHM, 5% , 1/8W , 2012		1
R4285	CRJ10DJ203T	RES , CHIP(20K OHM , 5% , 1608)	1608	1
R4286	CRJ10DJ203T	RES , CHIP(20K OHM , 5% , 1608)	1608	1
R4287	CRJ10DJ203T	RES , CHIP(20K OHM , 5% , 1608)	1608	1
R4288	CRJ10DJ203T	RES , CHIP(20K OHM , 5% , 1608)	1608	1
R4289	CRJ10DJ203T	RES , CHIP(20K OHM , 5% , 1608)	1608	1
R4290	CRJ10DJ203T	RES , CHIP(20K OHM , 5% , 1608)	1608	1
R4291	CRJ10DJ203T	RES , CHIP(20K OHM , 5% , 1608)	1608	1
R4292	CRJ10DJ203T	RES , CHIP(20K OHM , 5% , 1608)	1608	1
R4293	CRJ10DJ152T	RES , CHIP(1.5K OHM , 5% , 1608)	1608 SIZE	1
R4294	CRJ10DJ152T	RES , CHIP(1.5K OHM , 5% , 1608)	1608 SIZE	1
R4296	CRJ10DJ0R0T	RES , CHIP(0 OHM , 5% , 1608)	1608 SIZE	1
R4297	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4298	CRJ10DJ153T	RES , CHIP(15K OHM , 5% , 1608)		1
R4299	CRJ10DJ153T	RES , CHIP(15K OHM , 5% , 1608)		1
R4300	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4301	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4302	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4303	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4304	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4305	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4306	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4307	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4308	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4309	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4311	CRJ18AJ101T	RES , CHIP , 100 OHM, 5% , 1/8W , 2012		1
R4312	CRJ10DJ0R0T	RES , CHIP(0 OHM , 5% , 1608)	1608 SIZE	1
R4313	CRJ10DJ271T	RES , CHIP(270 OHM , 5% , 1608)	1608 SIZE	1
R4314	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4315	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4316	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4317	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4318	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4319	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4320	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4321	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4322	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4323	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4324	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4325	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4326	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4327	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4328	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4329	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4330	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4331	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4332	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4333	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4337	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4341	CRJ18AJ101T	RES , CHIP , 100 OHM, 5% , 1/8W , 2012		1
R4343	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4344	CRJ10DJ220T	RES , CHIP(22 OHM , 5% , 1608)	1608 SIZE	1
R4345	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4346	CRJ10DJ220T	RES , CHIP(22 OHM , 5% , 1608)	1608 SIZE	1
R4350	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4351	CRJ10DJ220T	RES , CHIP(22 OHM , 5% , 1608)	1608 SIZE	1
R4352	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4353	CRJ10DJ474T	RES , CHIP(470K OHM , 5% , 1608)	1608 SIZE	1
R4354	CRJ10DJ474T	RES , CHIP(470K OHM , 5% , 1608)	1608 SIZE	1
R4355	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4356	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4357	CRJ10DJ220T	RES , CHIP(22 OHM , 5% , 1608)	1608 SIZE	1
R4358	CRJ18AJ101T	RES , CHIP , 100 OHM, 5% , 1/8W , 2012		1
R4359	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4360	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4361	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4362	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4363	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4364	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4365	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4366	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4367	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4368	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4369	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4370	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4371	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4372	CRJ10DJ101T	RES , CHIP(100 OHM , 5% , 1608)	1608 SIZE	1
R4373	CRJ18AJ101T	RES , CHIP , 100 OHM, 5% , 1/8W , 2012		1
R4374	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4375	CRJ10DJ220T	RES , CHIP(22 OHM , 5% , 1608)	1608 SIZE	1
R4376	CRJ10DJ220T	RES , CHIP(22 OHM , 5% , 1608)	1608 SIZE	1

Ref. #	Part Number	Description	Value	Qty
R4377	CRJ10DJ220T	RES , CHIP(22 OHM , 5% , 1608)	1608 SIZE	1
R4378	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4379	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4381	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4382	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4383	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4384	CRJ10DJ562T	RES , CHIP(5.6K OHM , 5% , 1608)	1608 SIZE	1
R4385	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4386	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4387	CRJ10DJ473T	RES , CHIP(47K OHM , 5% , 1608)	1608 SIZE	1
R4388	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4389	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4390	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4391	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4392	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4393	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4394	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4396	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4397	CRJ10DJ562T	RES , CHIP(5.6K OHM , 5% , 1608)	1608 SIZE	1
R4398	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4399	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4400	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4402	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4403	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4404	CRJ10DJ562T	RES , CHIP(5.6K OHM , 5% , 1608)	1608 SIZE	1
R4405	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4406	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4407	CRJ10DJ680T	RES , CHIP(68 OHM , 5% , 1608)		1
R4408	CRJ104DJ330T	RES , CHIP , 33 OHM, 5% , 1608 X 4	33 OHM/1608*4	1
R4409	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4410	CRJ104DJ330T	RES , CHIP , 33 OHM, 5% , 1608 X 4	33 OHM/1608*4	1
R4411	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4412	CRJ10DJ562T	RES , CHIP(5.6K OHM , 5% , 1608)	1608 SIZE	1
R4413	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4414	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4418	CRJ10DJ473T	RES , CHIP(47K OHM , 5% , 1608)	1608 SIZE	1
R4419	CRJ104DJ330T	RES , CHIP , 33 OHM, 5% , 1608 X 4	33 OHM/1608*4	1
R4420	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4422	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4423	CRJ10DJ562T	RES , CHIP(5.6K OHM , 5% , 1608)	1608 SIZE	1
R4424	CRJ104DJ330T	RES , CHIP , 33 OHM, 5% , 1608 X 4	33 OHM/1608*4	1
R4425	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4426	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4427	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4428	CRJ10DJ330T	RES , CHIP(33 OHM , 5% , 1608)	1608 SIZE	1
R4429	CRJ10DF1000T	RES , CHIP(1608, 1% , 100 OHM)		1
R4430	CRJ10DJ121T	RES , CHIP(120 OHM , 5% , 1608)	1608 SIZE	1
R4431	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4432	CRJ10DJ473T	RES , CHIP(47K OHM , 5% , 1608)	1608 SIZE	1
R4433	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4434	CRJ10DJ183T	RES , CHIP(18K OHM , 5% , 1608)	1608 SIZE	1
R4435	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4436	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4437	CRJ10DJ183T	RES , CHIP(18K OHM , 5% , 1608)	1608 SIZE	1
R4438	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4439	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4440	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4441	CRJ10DJ4R7T	RES , CHIP(4.7 OHM , 5% , 1608)	1608 SIZE	1
R4442	CRJ10DJ471T	RES , CHIP(470 OHM , 5% , 1608)	1608 SIZE	1
R4443	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4444	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4445	CRJ10DJ562T	RES , CHIP(5.6K OHM , 5% , 1608)	1608 SIZE	1
R4446	CRJ18AJ101T	RES , CHIP , 100 OHM, 5% , 1/8W , 2012		1
R4447	CRJ10DJ153T	RES , CHIP(15K OHM , 5% , 1608)		1
R4448	CRJ10DJ222T	RES , CHIP(2.2K OHM , 5% , 1608)	1608 SIZE	1
R4449	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4450	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4451	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4452	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4453	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4454	CRJ10DJ473T	RES , CHIP(47K OHM , 5% , 1608)	1608 SIZE	1
R4455	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4456	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4457	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4458	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4459	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4460	CRJ10DJ101T	RES , CHIP(100 OHM , 5% , 1608)	1608 SIZE	1
R4461	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4462	CRJ10DJ562T	RES , CHIP(5.6K OHM , 5% , 1608)	1608 SIZE	1
R4463	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4464	CRJ10DJ101T	RES , CHIP(100 OHM , 5% , 1608)	1608 SIZE	1
R4465	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4466	CRJ10DJ153T	RES , CHIP(15K OHM , 5% , 1608)		1
R4467	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4468	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4469	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1

Ref. #	Part Number	Description	Value	Qty
R4470	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4471	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4472	CRJ10DJ221T	RES , CHIP(220 OHM , 5% , 1608)	1608 SIZE	1
R4473	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4474	CRJ10DJ222T	RES , CHIP(2.2K OHM , 5% , 1608)	1608 SIZE	1
R4475	CRJ10DJ222T	RES , CHIP(2.2K OHM , 5% , 1608)	1608 SIZE	1
R4476	CRJ10DJ473T	RES , CHIP(47K OHM , 5% , 1608)	1608 SIZE	1
R4477	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4478	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4479	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4480	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4481	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4482	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4483	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4485	CRJ10DJ473T	RES , CHIP(47K OHM , 5% , 1608)	1608 SIZE	1
R4486	CRJ10DJ101T	RES , CHIP(100 OHM , 5% , 1608)	1608 SIZE	1
R4487	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4488	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4489	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4490	CRJ104DJ330T	RES , CHIP , 33 OHM, 5% , 1608 X 4	33 OHM/1608*4	1
R4491	CRJ10DJ202T	RES , CHIP(2K OHM , 5% , 1608)		1
R4492	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4493	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4494	CRJ10DJ202T	RES , CHIP(2K OHM , 5% , 1608)		1
R4495	CRJ10DJ561T	RES , CHIP(560 OHM , 5% , 1608)		1
R4496	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4497	CRJ104DJ330T	RES , CHIP , 33 OHM, 5% , 1608 X 4	33 OHM/1608*4	1
R4498	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4499	CRJ104DJ330T	RES , CHIP , 33 OHM, 5% , 1608 X 4	33 OHM/1608*4	1
R4500	CRJ10DJ202T	RES , CHIP(2K OHM , 5% , 1608)		1
R4501	CRJ10DJ561T	RES , CHIP(560 OHM , 5% , 1608)		1
R4502	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4503	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4504	CRJ10DJ202T	RES , CHIP(2K OHM , 5% , 1608)		1
R4505	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4506	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4507	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4508	CRJ104DJ330T	RES , CHIP , 33 OHM, 5% , 1608 X 4	33 OHM/1608*4	1
R4510	CRJ18AJ101T	RES , CHIP , 100 OHM, 5% , 1/8W , 2012		1
R4511	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4512	CRJ10DJ330T	RES , CHIP(33 OHM , 5% , 1608)	1608 SIZE	1
R4513	CRJ10DJ121T	RES , CHIP(120 OHM , 5% , 1608)	1608 SIZE	1
R4514	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4515	CRJ10DJ4R7T	RES , CHIP(4.7 OHM , 5% , 1608)	1608 SIZE	1
R4516	CRJ18AJ101T	RES , CHIP , 100 OHM, 5% , 1/8W , 2012		1
R4517	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4518	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4519	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4520	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4521	CRJ10DJ471T	RES , CHIP(470 OHM , 5% , 1608)	1608 SIZE	1
R4522	CRJ10DJ202T	RES , CHIP(2K OHM , 5% , 1608)		1
R4523	CRJ10DJ561T	RES , CHIP(560 OHM , 5% , 1608)		1
R4524	CRJ10DJ202T	RES , CHIP(2K OHM , 5% , 1608)		1
R4525	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4526	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4527	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4528	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4529	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4530	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4531	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4532	CRJ10DJ221T	RES , CHIP(220 OHM , 5% , 1608)	1608 SIZE	1
R4533	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4534	CRJ10DJ332T	RES , CHIP(3.3K OHM , 5% , 1608)	1608 SIZE	1
R4535	CRJ10DJ561T	RES , CHIP(560 OHM , 5% , 1608)		1
R4536	CRJ10DJ561T	RES , CHIP(560 OHM , 5% , 1608)		1
R4537	CRJ10DJ221T	RES , CHIP(220 OHM , 5% , 1608)	1608 SIZE	1
R4538	CRJ10DJ471T	RES , CHIP(470 OHM , 5% , 1608)	1608 SIZE	1
R4539	CRJ18AJ101T	RES , CHIP , 100 OHM, 5% , 1/8W , 2012		1
R4541	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4542	CRJ10DJ561T	RES , CHIP(560 OHM , 5% , 1608)		1
R4543	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4544	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4545	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4546	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4547	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4548	CRJ10DJ561T	RES , CHIP(560 OHM , 5% , 1608)		1
R4549	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4550	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4551	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4552	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4553	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4554	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4555	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4556	CRJ10DJ392T	RES , CHIP(3.9K OHM , 5% , 1608)		1
R4558	CRJ10DJ473T	RES , CHIP(47K OHM , 5% , 1608)	1608 SIZE	1
R4559	CRJ10DJ0R0T	RES , CHIP(0 OHM , 5% , 1608)	1608 SIZE	1

Ref. #	Part Number	Description	Value	Qty
R4560	CRJ10DJ0R0T	RES , CHIP(0 OHM , 5% , 1608)	1608 SIZE	1
R4561	CRJ10DJ474T	RES , CHIP(470K OHM , 5% , 1608)	1608 SIZE	1
R4562	CRJ10DJ101T	RES , CHIP(100 OHM , 5% , 1608)	1608 SIZE	1
R4563	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4564	CRJ10DJ0R0T	RES , CHIP(0 OHM , 5% , 1608)	1608 SIZE	1
R4565	CRJ10DJ0R0T	RES , CHIP(0 OHM , 5% , 1608)	1608 SIZE	1
R4566	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4568	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4569	CRJ10DJ222T	RES , CHIP(2.2K OHM , 5% , 1608)	1608 SIZE	1
R4570	CRJ10DJ222T	RES , CHIP(2.2K OHM , 5% , 1608)	1608 SIZE	1
R4571	CRJ10DJ222T	RES , CHIP(2.2K OHM , 5% , 1608)	1608 SIZE	1
R4575	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4578	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4579	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4580	CRJ10DJ222T	RES , CHIP(2.2K OHM , 5% , 1608)	1608 SIZE	1
R4581	CRJ10DJ222T	RES , CHIP(2.2K OHM , 5% , 1608)	1608 SIZE	1
R4582	CRJ10DJ221T	RES , CHIP(220 OHM , 5% , 1608)	1608 SIZE	1
R4583	CRJ10DJ221T	RES , CHIP(220 OHM , 5% , 1608)	1608 SIZE	1
R4584	CRJ10DJ221T	RES , CHIP(220 OHM , 5% , 1608)	1608 SIZE	1
R4586	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
BD4000	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4003	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4004	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4006	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4007	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4008	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4010	CLZ9R013Z	BEAD , FERRITE(HCB2012KF-151T20 150ohm)		1
BD4011	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4013	CLZ9R013Z	BEAD , FERRITE(HCB2012KF-151T20 150ohm)		1
BD4015	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD4029	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
C4005	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4007	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4011	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4012	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4014	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4025	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4027	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4031	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4032	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4033	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4034	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4036	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4037	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4038	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4039	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4040	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4045	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4046	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4047	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4048	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4053	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4054	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4055	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4056	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4059	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4063	CCUS1H102KC	CAP , CHIP (1608, 50V/1000pF)	1000PF 50V K	1
C4064	CCUS1H102KC	CAP , CHIP (1608, 50V/1000pF)	1000PF 50V K	1
C4065	CCUS1H102KC	CAP , CHIP (1608, 50V/1000pF)	1000PF 50V K	1
C4066	CCUS1H102KC	CAP , CHIP (1608, 50V/1000pF)	1000PF 50V K	1
C4067	CCUS1H102KC	CAP , CHIP (1608, 50V/1000pF)	1000PF 50V K	1
C4068	CCUS1H102KC	CAP , CHIP (1608, 50V/1000pF)	1000PF 50V K	1
C4078	CCUC1H104KC	CHIP, CAP 0.1UF/50V/2012		1
C4079	CCUC1H104KC	CHIP, CAP 0.1UF/50V/2012		1
C4085	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4086	CCSJB1A220B	CAP , CHIP TANTAL(B TYPE, 22uF/10V, ELNA)		1
C4088	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4089	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4091	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4092	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4094	CCSNA1C100B	CAP , CHIP TANTAL(10uF/16V, NingXia XingRi)	XRCA45 XXX M XXX AT	1
C4095	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4098	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4100	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4101	CCUC1H223KC	CAP , CHIP (0.022UF/50V B K X7R 2012)		1
C4103	CCUS1H103KC	CAP , CHIP (1608, 50V/0.01uF)	0.01UF 50V K	1
C4104	CCUC1H102KC	CAP , CHIP		1
C4108	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4109	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4114	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4116	CCSJB1A220B	CAP , CHIP TANTAL(B TYPE, 22uF/10V, ELNA)		1
C4117	CCUS1H330JA	CAP , CHIP (1608, 50V/33pF)	33PF 50V J	1
C4118	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4125	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4127	CCUS1H102KC	CAP , CHIP (1608, 50V/1000pF)	1000PF 50V K	1
C4128	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1

Ref. #	Part Number	Description	Value	Qty
C4129	CCUS1H471JA	CAP , CHIP (1608, 50V/470pF)	470PF 50V J	1
C4130	CCUS1H080DA	CAP , CHIP (1608, 50V/8pF)	8PF 50V D	1
C4131	CCUS1H080DA	CAP , CHIP (1608, 50V/8pF)	8PF 50V D	1
C4132	CCUS1H471JA	CAP , CHIP (1608, 50V/470pF)	470PF 50V J	1
C4133	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4134	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4135	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4136	CCSJB1A220B	CAP , CHIP TANTAL(B TYPE, 22uF/10V, ELNA)		1
C4137	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4138	CCUS1H102KC	CAP , CHIP (1608, 50V/1000pF)	1000PF 50V K	1
C4140	CCSNA1C100B	CAP , CHIP TANTAL(10uF/16V, NingXia XingRi)	XRCA45 XXX M XXX AT	1
C4145	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4146	CCUS1H101JA	CAP , CHIP (1608, 50V/100pF)	100PF 50V J	1
C4147	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4148	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4149	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4151	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4154	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4159	CCSJB1A220B	CAP , CHIP TANTAL(B TYPE, 22uF/10V, ELNA)		1
C4164	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4179	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4180	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4183	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4231	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4234	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4259	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4260	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4294	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C4477	CCUS1H471JA	CAP , CHIP (1608, 50V/470pF)	470PF 50V J	1
C4491	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
D4001	CVD1SS355T	DIODE , CHIP , SWITCHING		1
D4002	CVD1SS355T	DIODE , CHIP , SWITCHING		1
D4009	CVD1SS355T	DIODE , CHIP , SWITCHING		1
IC4001	HVINJM2068MDTE1	I.C , OP AMP (JRC)	NJM2068MD-TE1	1
IC4002	HVINJM2068MDTE1	I.C , OP AMP (JRC)	NJM2068MD-TE1	1
IC4003	HVINJM2068MDTE1	I.C , OP AMP (JRC)	NJM2068MD-TE1	1
IC4004	HVINJM2068MDTE1	I.C , OP AMP (JRC)	NJM2068MD-TE1	1
IC4005	HVI74HCU04AFNG	I.C , INVERTER (TOSHIBA)	TC74HCU04AFNG(TOSHIBA)	1
IC4006	HVINJM2068MDTE1	I.C , OP AMP (JRC)	NJM2068MD-TE1	1
IC4007	HVINJM2068MDTE1	I.C , OP AMP (JRC)	NJM2068MD-TE1	1
IC4008	HVINJM2068MDTE1	I.C , OP AMP (JRC)	NJM2068MD-TE1	1
IC4009	HVINJM2068MDTE1	I.C , OP AMP (JRC)	NJM2068MD-TE1	1
IC4010	HVINJM2068MDTE1	I.C , OP AMP (JRC)	NJM2068MD-TE1	1
IC4011	HVINJM2068MDTE1	I.C , OP AMP (JRC)	NJM2068MD-TE1	1
IC4012	HVINJM2068MDTE1	I.C , OP AMP (JRC)	NJM2068MD-TE1	1
IC4013	HVINJM2068MDTE1	I.C , OP AMP (JRC)	NJM2068MD-TE1	1
IC4015	CVIXC9572XL-5VQG64C	I.C HIGH PERFO- CPLD VQG-64 XILINX	XC9572XL-5VQG64C, XILINX	1
IC4016	HVITC9162CFG	I.C , FUNCTION SW		1
IC4017	CVICS5368-CQZ	I.C , DSP(CS5368-CQZ REV.B0 ,LQFP-48)		1
IC4018	HVINJM2068MDTE1	I.C , OP AMP (JRC)	NJM2068MD-TE1	1
IC4019	HVIM29W160ET70N	IC,16M FLASH (ST)	M29W160ET-70N6	1
IC4020	CLZ9R014Z	BEAD , FERRITE (ACF451832-333-T)	ACF451832-333-T	1
IC4021	HVINJM2068MDTE1	I.C , OP AMP (JRC)	NJM2068MD-TE1	1
IC4022	CVIM12L64164A-5TG	I.C , SDRAM	M12L64164A-5TG , ESMT(ADS)	1
IC4023	CVID790E001BZDH275	I.C , DSP DECODER	D790E001BZDH275 , TI(AVNET)	1
IC4024	CVIKIA1117F00RTFP	I.C , 3-TERMINAL POS V-REG(1.1V~ADJ LOW DROP,DPARK	KIA1117F00-RTF/P , KEC	1
IC4025	HVINJM2068MDTE1	I.C , OP AMP (JRC)	NJM2068MD-TE1	1
IC4026	HVICS42528-CQ	I.C , CODEC + DIR (CIRRUS LOGIC)	CS42528-CQ	1
IC4027	CVIM12L64164A-5TG	I.C , SDRAM	M12L64164A-5TG , ESMT(ADS)	1
IC4028	HVINJM2068MDTE1	I.C , OP AMP (JRC)	NJM2068MD-TE1	1
IC4029	CLZ9R014Z	BEAD , FERRITE (ACF451832-333-T)	ACF451832-333-T	1
IC4030	HVIM29W160ET70N	IC,16M FLASH (ST)	M29W160ET-70N6	1
IC4031	CVIM12L64164A-5TG	I.C , SDRAM	M12L64164A-5TG , ESMT(ADS)	1
IC4032	HVINJM2068MDTE1	I.C , OP AMP (JRC)	NJM2068MD-TE1	1
IC4033	CVICS4391A-KZZ	I.C , CONV(CS4391A-KZZ SOP-20)		1
IC4034	CVID790E001BZDH275	I.C , DSP DECODER	D790E001BZDH275 , TI(AVNET)	1
IC4035	CVIKIA1117F00RTFP	I.C , 3-TERMINAL POS V-REG(1.1V~ADJ LOW DROP,DPARK	KIA1117F00-RTF/P , KEC	1
IC4036	CVIM12L64164A-5TG	I.C , SDRAM	M12L64164A-5TG , ESMT(ADS)	1
IC4037	HVINJM2068MDTE1	I.C , OP AMP (JRC)	NJM2068MD-TE1	1
IC4038	CVICS4391A-KZZ	I.C , CONV(CS4391A-KZZ SOP-20)		1
IC4039	HVINJM2068MDTE1	I.C , OP AMP (JRC)	NJM2068MD-TE1	1
IC4040	CVICS4391A-KZZ	I.C , CONV(CS4391A-KZZ SOP-20)		1
IC4041	CVIUPD70F3718GC8EAA	I.C , U-COM, AVR755/655, LQFP 100(14*14), NEC	UPD70F3718GC-8EA-A LQFP100(14*	1
IC4042	CVIM24256BWMN6TP	I.C , EEPROM (256KBits, 400MHz, 2.5~5.5V, SOP-8)	M24256-BWMN6TP , ST	1
IC4043	CVISN74LVC1G125DBVR	I.C , SINGLE BUS BUFFER GATE SOT(SOT-23)DBV		1
IC4049	CVISN74LVC1G125DBVR	I.C , SINGLE BUS BUFFER GATE SOT(SOT-23)DBV		1
IC4054	CVIBU4094BCF	I.C , CMOS SOP-16		1
IC4056	CVISN74LVC1G125DBVR	I.C , SINGLE BUS BUFFER GATE SOT(SOT-23)DBV		1
IC4057	CVIBU4094BCF	I.C , CMOS SOP-16		1
IC4058	CVIBU4094BCF	I.C , CMOS SOP-16		1
IC4059	CVIBU4051BCF	I.C , ANALOG MPX/DEMPX SOP-16		1
IC4063	CVISN74LVC1G125DBVR	I.C , SINGLE BUS BUFFER GATE SOT(SOT-23)DBV		1
Q4000	HVTKRC107S	T.R , CHIP , SOT-23		1
Q4001	HVTKRC107S	T.R , CHIP , SOT-23		1
Q4002	HVTKRC107S	T.R , CHIP , SOT-23		1
Q4003	HVTKRC107S	T.R , CHIP , SOT-23		1

Ref. #	Part Number	Description	Value	Qty
Q4004	HVTKRC107S	T.R , CHIP , SOT-23		1
Q4005	HVTKRC107S	T.R , CHIP , SOT-23		1
R4004	CRJ18AJ101T	RES , CHIP , 100 OHM, 5% , 1/8W , 2012		1
R4005	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4013	CRJ10DJ101T	RES , CHIP(100 OHM , 5% , 1608)	1608 SIZE	1
R4014	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4017	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4024	CRJ10DJ0R0T	RES , CHIP(0 OHM , 5% , 1608)	1608 SIZE	1
R4025	CRJ18AJ101T	RES , CHIP , 100 OHM, 5% , 1/8W , 2012		1
R4026	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4027	CRJ10DJ0R0T	RES , CHIP(0 OHM , 5% , 1608)	1608 SIZE	1
R4028	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4029	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4030	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4031	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4034	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4035	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4036	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4037	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4038	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4039	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4040	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4041	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4042	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4043	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4044	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4045	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4046	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4047	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4048	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4049	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4050	CRJ18AJ101T	RES , CHIP , 100 OHM, 5% , 1/8W , 2012		1
R4051	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4053	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4057	CRJ10DJ101T	RES , CHIP(100 OHM , 5% , 1608)	1608 SIZE	1
R4059	CRJ10DF1000T	RES , CHIP(1608, 1% , 100 OHM)		1
R4060	CRJ10DF1000T	RES , CHIP(1608, 1% , 100 OHM)		1
R4061	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4062	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4063	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4064	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4065	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4066	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4067	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4068	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4069	CRJ10DJ562T	RES , CHIP(5.6K OHM , 5% , 1608)	1608 SIZE	1
R4070	CRJ10DJ561T	RES , CHIP(560 OHM , 5% , 1608)		1
R4071	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4072	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4073	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4074	CRJ10DJ562T	RES , CHIP(5.6K OHM , 5% , 1608)	1608 SIZE	1
R4075	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4076	CRJ10DJ561T	RES , CHIP(560 OHM , 5% , 1608)		1
R4077	CRJ10DJ101T	RES , CHIP(100 OHM , 5% , 1608)	1608 SIZE	1
R4078	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4079	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4080	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4081	CRJ10DJ562T	RES , CHIP(5.6K OHM , 5% , 1608)	1608 SIZE	1
R4082	CRJ10DJ561T	RES , CHIP(560 OHM , 5% , 1608)		1
R4083	CRJ10DF1371T	RES . CHIP(1.37 KOHM ,1/16W,1%,1608)		1
R4084	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4085	CRJ10DJ562T	RES , CHIP(5.6K OHM , 5% , 1608)	1608 SIZE	1
R4086	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4087	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4088	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4089	CRJ10DJ561T	RES , CHIP(560 OHM , 5% , 1608)		1
R4090	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4091	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4092	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4093	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4094	CRJ10DJ561T	RES , CHIP(560 OHM , 5% , 1608)		1
R4095	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4096	CRJ10DJ562T	RES , CHIP(5.6K OHM , 5% , 1608)	1608 SIZE	1
R4097	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4098	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4099	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4100	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4101	CRJ10DJ822T	RES , CHIP(8.2K OHM , 5% , 1608)	1608 SIZE	1
R4102	CRJ10DJ561T	RES , CHIP(560 OHM , 5% , 1608)		1
R4103	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4104	CRJ10DJ822T	RES , CHIP(8.2K OHM , 5% , 1608)	1608 SIZE	1
R4105	CRJ10DJ750T	RES , CHIP(75 OHM , 5% , 1608)	1608 SIZE	1
R4106	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4107	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4108	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4109	CRJ10DJ561T	RES , CHIP(560 OHM , 5% , 1608)		1

Ref. #	Part Number	Description	Value	Qty
R4110	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4111	CRJ10DJ562T	RES , CHIP(5.6K OHM , 5% , 1608)	1608 SIZE	1
R4112	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4113	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4114	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4115	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4116	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4117	CRJ10DJ562T	RES , CHIP(5.6K OHM , 5% , 1608)	1608 SIZE	1
R4118	CRJ10DJ561T	RES , CHIP(560 OHM , 5% , 1608)		1
R4119	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4120	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4121	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4122	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4123	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4124	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4125	CRJ10DJ203T	RES , CHIP(20K OHM , 5% , 1608)	1608	1
R4126	CRJ10DJ473T	RES , CHIP(47K OHM , 5% , 1608)	1608 SIZE	1
R4127	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4128	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4129	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4130	CRJ10DJ203T	RES , CHIP(20K OHM , 5% , 1608)	1608	1
R4131	CRJ10DJ105T	RES , CHIP(1M OHM , 5% , 1608)	1608 SIZE	1
R4132	CRJ10DJ0R0T	RES , CHIP(0 OHM , 5% , 1608)	1608 SIZE	1
R4133	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4134	CRJ062IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X2)	MNR02M0APJ330	1
R4135	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4136	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4137	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4138	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4139	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4140	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4141	CRJ10DJ432T	RES , CHIP(4.3K OHM , 5% , 1608)	1608 SIZE	1
R4142	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4143	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4144	CRJ10DJ432T	RES , CHIP(4.3K OHM , 5% , 1608)	1608 SIZE	1
R4145	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4146	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4147	CRJ10DJ330T	RES , CHIP(33 OHM , 5% , 1608)	1608 SIZE	1
R4148	CRJ10DJ220T	RES , CHIP(22 OHM , 5% , 1608)	1608 SIZE	1
R4149	CRJ10DJ432T	RES , CHIP(4.3K OHM , 5% , 1608)	1608 SIZE	1
R4150	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4151	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4152	CRJ10DJ432T	RES , CHIP(4.3K OHM , 5% , 1608)	1608 SIZE	1
R4153	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4154	CRJ10DJ221T	RES , CHIP(220 OHM , 5% , 1608)	1608 SIZE	1
R4155	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4156	CRJ10DJ221T	RES , CHIP(220 OHM , 5% , 1608)	1608 SIZE	1
R4157	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4159	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4160	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4161	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4162	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4163	CRJ10DJ432T	RES , CHIP(4.3K OHM , 5% , 1608)	1608 SIZE	1
R4164	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4165	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4166	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4167	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4168	CRJ10DJ100T	RES , CHIP(10 OHM , 5% , 1608)	1608 SIZE	1
R4169	CRJ10DJ122T	RES , CHIP(1.2K OHM , 5% , 1608)	1608 SIZE	1
R4170	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4171	CRJ10DJ432T	RES , CHIP(4.3K OHM , 5% , 1608)	1608 SIZE	1
R4172	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4173	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4174	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4178	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4181	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4182	CRJ10DJ104T	RES , CHIP(100K OHM , 5% , 1608)	1608 SIZE	1
R4183	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4185	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4186	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4187	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4188	CRJ10DJ432T	RES , CHIP(4.3K OHM , 5% , 1608)	1608 SIZE	1
R4189	CRJ10DJ202T	RES , CHIP(2K OHM , 5% , 1608)		1
R4190	CRJ10DJ432T	RES , CHIP(4.3K OHM , 5% , 1608)	1608 SIZE	1
R4191	CRJ10DJ202T	RES , CHIP(2K OHM , 5% , 1608)		1
R4192	CRJ10DJ202T	RES , CHIP(2K OHM , 5% , 1608)		1
R4193	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4195	CRJ10DJ432T	RES , CHIP(4.3K OHM , 5% , 1608)	1608 SIZE	1
R4196	CRJ10DJ202T	RES , CHIP(2K OHM , 5% , 1608)		1
R4199	CRJ10DJ432T	RES , CHIP(4.3K OHM , 5% , 1608)	1608 SIZE	1
R4200	CRJ10DJ221T	RES , CHIP(220 OHM , 5% , 1608)	1608 SIZE	1
R4201	CRJ10DJ221T	RES , CHIP(220 OHM , 5% , 1608)	1608 SIZE	1
R4202	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R4203	CRJ18AJ101T	RES , CHIP , 100 OHM, 5% , 1/8W , 2012		1
R4204	CRJ10DJ0R0T	RES , CHIP(0 OHM , 5% , 1608)	1608 SIZE	1
R4205	CRJ10DJ471T	RES , CHIP(470 OHM , 5% , 1608)	1608 SIZE	1

Ref. #	Part Number	Description	Value	Qty
R4207	CRJ10DJ473T	RES , CHIP(47K OHM , 5% , 1608)	1608 SIZE	1
R4208	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4209	CRJ10DJ473T	RES , CHIP(47K OHM , 5% , 1608)	1608 SIZE	1
R4210	CRJ10DJ101T	RES , CHIP(100 OHM , 5% , 1608)	1608 SIZE	1
R4211	CRJ10DJ101T	RES , CHIP(100 OHM , 5% , 1608)	1608 SIZE	1
R4212	CRJ10DJ470T	RES , CHIP(47 OHM , 5% , 1608)	1608 SIZE	1
R4213	CRJ10DJ101T	RES , CHIP(100 OHM , 5% , 1608)	1608 SIZE	1
R4214	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4215	CRJ10DJ103T	RES , CHIP(10K OHM , 5% , 1608)	1608 SIZE	1
R4235	CRJ10DJ101T	RES , CHIP(100 OHM , 5% , 1608)	1608 SIZE	1
R4276	CRJ10DJ271T	RES , CHIP(270 OHM , 5% , 1608)	1608 SIZE	1
R4277	CRJ10DJ0R0T	RES , CHIP(0 OHM , 5% , 1608)	1608 SIZE	1
R4278	CRJ10DJ101T	RES , CHIP(100 OHM , 5% , 1608)	1608 SIZE	1
R4401	CRJ062IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X2)	MNR02M0APJ330	1
R4415	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4416	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4417	CRJ10DJ331T	RES , CHIP(330 OHM , 5% , 1608)		1
R4509	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R4572	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4573	CRJ10DJ102T	RES , CHIP(1K OHM , 5% , 1608)	1608 SIZE	1
R4587	CRJ10DJ471T	RES , CHIP(470 OHM , 5% , 1608)	1608 SIZE	1
R4588	CRJ10DJ471T	RES , CHIP(470 OHM , 5% , 1608)	1608 SIZE	1
R4590	CRJ10DJ221T	RES , CHIP(220 OHM , 5% , 1608)	1608 SIZE	1
Y4001	COX24576C150SC	CRYSTAL, 24.576MHz, SCO-010, 15pF, 25PPM, SMD	WIN24576OSC573	1
C4003	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C4017	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4018	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4019	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4020	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4021	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4022	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4023	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4024	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4026	CCEA1CH220T	CAP , ELECT	22UF 16V	1
C4029	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C4030	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C4044	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C4049	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C4061	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C4069	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C4071	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C4073	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C4074	CCEA1HH1R0T	CAP , ELECT	1UF 50V	1
C4075	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C4080	CCEA1EH470T	CAP , ELECT	47UF 25V	1
C4083	CCEA1EH470T	CAP , ELECT	47UF 25V	1
C4084	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C4087	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4090	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4096	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4097	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4102	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4105	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C4106	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C4107	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4110	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C4111	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4112	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C4113	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C4115	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4119	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4120	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C4121	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C4122	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C4123	CCEA1EH470T25	CAP , ELECT (47UF/25V M 5X11 P2.5mm)		1
C4124	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4126	CCEA1EH470T25	CAP , ELECT (47UF/25V M 5X11 P2.5mm)		1
C4139	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4141	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4142	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C4143	CCEA1EH470T25	CAP , ELECT (47UF/25V M 5X11 P2.5mm)		1
C4144	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4150	CCEA1EH470T25	CAP , ELECT (47UF/25V M 5X11 P2.5mm)		1
C4152	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4153	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4155	CCEA1HH1R0T	CAP , ELECT	1UF 50V	1
C4156	CCEA1HH1R0T	CAP , ELECT	1UF 50V	1
C4157	CCEA1EH470T25	CAP , ELECT (47UF/25V M 5X11 P2.5mm)		1
C4158	CCEA1EH470T25	CAP , ELECT (47UF/25V M 5X11 P2.5mm)		1
C4160	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4161	CCEA1EH470T25	CAP , ELECT (47UF/25V M 5X11 P2.5mm)		1
C4162	CCEA1AH471T	CAP , ELECT	470UF 10V	1
C4163	CCEA1AH471T	CAP , ELECT	470UF 10V	1
C4165	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4166	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4167	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1

Ref. #	Part Number	Description	Value	Qty
C4168	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4169	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4170	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C4171	CCEA1CH470T	CAP , ELECT	47UF 16V	1
C4172	CCEA1HH1R0T	CAP , ELECT	1UF 50V	1
C4173	CCEA1HH1R0T	CAP , ELECT	1UF 50V	1
C4174	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4175	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4176	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C4177	CCEA1CKS100T25	CAP , ELECT (10UF/16V M 4X5mm P2.5mm)		1
C4178	CCEA1HH4R7T	CAP , ELECT	4.7UF 50V	1
C4181	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C4182	CCEA1CH470T	CAP , ELECT	47UF 16V	1
C4185	CCEA1HH1R0T	CAP , ELECT	1UF 50V	1
C4186	CCEA1HH1R0T	CAP , ELECT	1UF 50V	1
C4187	CCEA1AH471T	CAP , ELECT	470UF 10V	1
C4188	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C4189	CCEA1EH101T	CAP , ELECT	100UF 25V	1
C4190	CCEA1EH101T	CAP , ELECT	100UF 25V	1
C4191	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C4193	CCEA1AH101T	CAP , ELECT	100UF 10V	1
HK4001	HJT1A025	PALTE , EARTH	MET37-0002	1
L4000	CLQ03D470JT	COIL , RADIAL (47UH, 5%, 2.7 OHM, 192mA, 5.0MM)	EL0606RA-470J-PF , TDK	1
L4001	CLQ03D470JT	COIL , RADIAL (47UH, 5%, 2.7 OHM, 192mA, 5.0MM)	EL0606RA-470J-PF , TDK	1
L4002	CLQ03D470JT	COIL , RADIAL (47UH, 5%, 2.7 OHM, 192mA, 5.0MM)	EL0606RA-470J-PF , TDK	1
L4003	CLQ03D470JT	COIL , RADIAL (47UH, 5%, 2.7 OHM, 192mA, 5.0MM)	EL0606RA-470J-PF , TDK	1
L4004	CLQ03D470JT	COIL , RADIAL (47UH, 5%, 2.7 OHM, 192mA, 5.0MM)	EL0606RA-470J-PF , TDK	1
Q4008	CVTMPSA06ATPF	T.R , DRIVER(NPN,120V, 500mA TO-92)	MPSA06-AT/PF , KEC	1
Q4010	HVTKRA107MT	T.R , TO-92M	KRA107M	1
Y4002	COX24576E180TF	CRYSTAL, 24.576MHz, HC-49/S, 18pF, 20PPM	CRYSTAL_HC-49/S_18PF	1
Y4003	CVFCSTLS5M00G56A0	RESONATOR , CERAMIC(5.0MHz 56PF)		1
	CQB1D022	A-ROHS/LABEL,SERIAL		1
	C2K86002	SOLDER , BAR SN PB FREE	HSE-16(P) B20	10
	C2K86102	SOLDER , FLUX WIRE PB FREE(PIE 1.0)	HSE-04 W1.0	5
	C8E534	FLUX		3
C4184	CCESDXJ5R5V334U	CAP , DOUBLE LAYER(ELNA, 5.5V, 0.33F)	DXJ5R5V334U	1
HK4000	CMD1A661	BRACKET , XM AVBR755		1
JA4001	CJS9U011Z	JACK, OPTICAL+COXIAL(GOLD PLATE)		1
JA4002	CJS9U016Z	JACK , OPT + 1P RCA (RX 5V YKC22-0873V AU PLATE)	YKC22-0873V, RX , JALCO	1
JA4003	CJS9U016Z	JACK , OPT + 1P RCA (RX 5V YKC22-0873V AU PLATE)	YKC22-0873V, RX , JALCO	1
JA4004	CJS9U016Z	JACK , OPT + 1P RCA (RX 5V YKC22-0873V AU PLATE)	YKC22-0873V, RX , JALCO	1
JA4005	CJJ4P063Z	JACK , RCA (4P, 401DAG, GN BN PP TA, AU PL)		1
JA4006	CJJ4P055Z	JACK 4P WH/BL/RD/GY		1
N4001	CJP19GB99ZM	WAFER(19P, AN 2MM)		1
N4002	CJP17GA115ZY	WAFER , CARDCABLE		1
N4003	CJP11GA115ZY	WAFER(11P, ST 1.25MM)		1
N4005	CJP19GB99ZM	WAFER(19P, AN 2MM)		1
N4006	CJP19GB99ZM	WAFER(19P, AN 2MM)		1
N4007	CJP10GB99ZY	WAFER		1
N4009	CJP07GA01ZY	WAFER , STRAIGHT(7PIN)		1
N4010	CJP21GA115ZY	WAFER , CARD CABLE		1
N4011	CJP16GB99ZM	WAFER(16P, AN 2MM)		1
P4000	CJP05GA47ZW	WAFER,2mm		1
P4001	CJP10GA98ZY	WAFER		1
P4004	CJP09GA47ZW	CNT , WAFER	GIL-S-09P-S2T2-EF	1
P4011	CJP29GA115ZY	WAFER , CARD CABLE(1.25MM, STRAIGHT)	YEONHO 12511 SERIES	1

Ref. #	Part Number	Description	Value	Qty
	COP12039B	**AVR755 ETHER PCB ASS'Y**		**1**
BD5008	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)		1
BD5009	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)		1
BD5010	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)		1
BD5011	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)		1
BD5012	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)		1
BD5013	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)		1
C5024	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5025	CCSJB1A220B	CAP , CHIP TANTAL(B TYPE, 22uF/10V, ELNA)		1
C5026	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5027	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5028	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5029	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C5030	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5031	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5032	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5033	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF/16V, ELNA)		1
C5034	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF/16V, ELNA)		1
C5035	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C5036	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C5037	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C5038	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C5039	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5040	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1

Ref. #	Part Number	Description	Value	Qty
C5041	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5042	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5043	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5044	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5045	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5046	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5047	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5048	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5049	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5050	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5051	CCSJB1A220B	CAP , CHIP TANTAL(B TYPE, 22uF/10V, ELNA)		1
C5052	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5053	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5055	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5056	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C5057	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5058	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5059	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5060	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C5061	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5062	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C5063	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5064	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5065	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)		1
C5066	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5067	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5068	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5069	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5070	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5071	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5072	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5073	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)		1
C5074	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C5075	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)		1
C5076	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5077	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C5078	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C5079	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C5080	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C5081	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5082	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5083	CCSJB1A220B	CAP , CHIP TANTAL(B TYPE, 22uF/10V, ELNA)		1
C5084	CCSJB1A220B	CAP , CHIP TANTAL(B TYPE, 22uF/10V, ELNA)		1
C5085	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)		1
C5086	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5087	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5088	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
Q5001	HVTKTC3875SYRTK	T.R , CHIP	KTC3875S Y RTK	1
R5076	CRJ104DJ220T	RES,4ARRAY	22X4/2012	1
R5077	CRJ104DJ220T	RES,4ARRAY	22X4/2012	1
R5079	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R5080	CRJ104DJ220T	RES,4ARRAY	22X4/2012	1
R5081	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R5083	CRJ104DJ220T	RES,4ARRAY	22X4/2012	1
R5084	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R5085	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R5086	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R5087	CRJ10DF56R2T	RES. CHIP (56.2 OHM 1%)	56.2 ohm 1/16W 1% 0603	1
R5088	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R5089	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R5090	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R5091	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R5092	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R5093	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R5094	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R5095	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R5096	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R5097	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R5098	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5099	CRJ10DJ510T	RES , CHIP	51 ohm 1/16W 5% 0603	1
R5100	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R5101	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R5102	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5103	CRJ10DJ510T	RES , CHIP	51 ohm 1/16W 5% 0603	1
R5104	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R5105	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5106	CRJ10DJ152T	RES , CHIP	1K5 ohm 1/16W 5% 0603	1
R5107	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5108	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R5109	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5110	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R5111	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R5112	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5113	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5114	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5115	CRJ10DJ510T	RES , CHIP	51 ohm 1/16W 5% 0603	1

Ref. #	Part Number	Description	Value	Qty
R5116	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5117	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5118	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5119	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5120	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5121	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5122	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5123	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5124	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5125	CRJ10DJ510T	RES , CHIP	51 ohm 1/16W 5% 0603	1
R5126	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5127	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5128	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5129	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5130	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5131	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5132	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5133	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5134	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5135	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5136	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5137	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5138	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5139	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5140	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5141	CRJ10DJ332T	RES , CHIP	3K3 ohm 1/16W 5% 0603	1
R5142	CRJ10DJ202T	RES , CHIP	2K ohm 1/16W 5% 0603	1
R5143	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R5144	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5145	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5146	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R5147	CRJ10DF56R2T	RES. CHIP (56.2 OHM 1%)	56.2 ohm 1/16W 1% 0603	1
R5148	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
BD5000	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD5005	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
C5000	CCUVJ3A102MCT	CAP , CERAMIC (EFI 1KV 1000PF M X7R 2000VDC 3216)	VJ1206Y102MBFAT , VISHAY(AVN)	1
C5003	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5004	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5005	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5008	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5013	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C5014	CCUS1H330JA	CAP , CHIP	33PF 50V J	1
C5016	CCUS1H330JA	CAP , CHIP	33PF 50V J	1
C5017	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C5019	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C5020	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF/16V, ELNA)	10uF 16V T491B106M016AS 3528	1
C5021	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C5022	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C5023	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF/16V, ELNA)	10uF 16V T491B106M016AS 3528	1
C5089	CCUS1H560JA	CAP , CHIP	56PF 50V J	1
F5000	CRTMINISMDC200F	SW , POLY (RESETTABLE 2A 0.02 OHM 1W 4532)	MINISMDC200F-2	1
IC5000	CVIS29GL064N90TFI060	I.C , FLASH 64M (FAGE MODE,TSOP-48P)	S29GL064N90TFI060 64M 48TSOP1	1
IC5001	CVIM12L128168A-6TG	I.C , SDRAM	M12L128168A-6TG , ESMT(ADS)	1
IC5002	CVIDM9161AEP	I.C , Ethernet PHY Transceive,LQFP48	DM9161AEP LQFP48	1
IC5004	CVIDM850E-CQ	I.C , DM850E M.N.PROCESSOR LPFQ-208	DM850E LPFQ 208	1
IC5005	HVILM1117S-1V8	I.C , REGULATOR (1.8V)	LM1117-1V8	1
Q5000	CVTKMA2D3P20SRTKP	F.E.T , P-CH MOS	KMA2D3P20S-RTK/P, KEC	1
R5000	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R5001	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R5002	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R5003	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R5004	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R5005	CRJ10DJ510T	RES , CHIP	51 ohm 1/16W 5% 0603	1
R5006	CRJ10DJ510T	RES , CHIP	51 ohm 1/16W 5% 0603	1
R5007	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R5008	CRJ10DJ510T	RES , CHIP	51 ohm 1/16W 5% 0603	1
R5009	CRJ10DJ510T	RES , CHIP	51 ohm 1/16W 5% 0603	1
R5010	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5011	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5012	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5014	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5015	CRJ10DJ622T	RES , CHIP	6K2 ohm 1/16W 5% 0603	1
R5017	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R5018	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R5019	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R5020	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R5021	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R5022	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R5023	CRJ10DJ220T	RES , CHIP	22 ohm 1/16W 5% 0603	1
R5024	CRJ10DJ220T	RES , CHIP	22 ohm 1/16W 5% 0603	1
R5025	CRJ10DJ220T	RES , CHIP	22 ohm 1/16W 5% 0603	1
R5027	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R5028	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5029	CRJ10DF56R2T	RES. CHIP (56.2 OHM 1%)	56.2 ohm 1/16W 1% 0603	1
R5030	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5031	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1

Ref. #	Part Number	Description	Value	Qty
R5032	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5033	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5034	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5036	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R5037	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R5039	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R5040	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R5041	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R5042	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R5043	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R5044	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R5045	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5046	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R5047	CRJ10DJ394T	RES , CHIP (390K OHM , 5% , 1608)	390K ohm 1/10W 5% 0603	1
R5048	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R5049	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R5050	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R5051	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R5052	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R5053	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5054	CRJ10DF56R2T	RES. CHIP (56.2 OHM 1%)	56.2 ohm 1/16W 1% 0603	1
R5055	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R5056	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R5057	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R5058	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R5059	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5060	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5061	CRJ10DF56R2T	RES. CHIP (56.2 OHM 1%)	56.2 ohm 1/16W 1% 0603	1
R5062	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5063	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5064	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5065	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R5066	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R5067	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R5068	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R5069	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R5070	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R5071	CRJ10DF56R2T	RES. CHIP (56.2 OHM 1%)	56.2 ohm 1/16W 1% 0603	1
R5072	CRJ10DF56R2T	RES. CHIP (56.2 OHM 1%)	56.2 ohm 1/16W 1% 0603	1
R5073	CRJ10DF56R2T	RES. CHIP (56.2 OHM 1%)	56.2 ohm 1/16W 1% 0603	1
R5074	CRJ10DF56R2T	RES. CHIP (56.2 OHM 1%)	56.2 ohm 1/16W 1% 0603	1
R5075	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R5149	CRJ10DJ330T	RES , CHIP	33 ohm 1/16W 5% 0603	1
R5150	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R5151	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
T5000	CVIH1102NLT	I.C , MATCHING TRANS (10/100BASE-T,SING-PORT, SMD)	H1102NLT , PULSE	1
C5018	CCEA1CH471T	CAP , ELECT	470UF 16V	1
HK5000	CMC1A337	BRACKET , GND SMALL AVR755		1
HK5001	CMC1A337	BRACKET , GND SMALL AVR755		1
JA5000	CJJ9L004Z	JACK , RJ-45	GDL1-8P8C 8T BK	1
N5001	CJP10GB116ZY	WAFER	GF120-10S-LS 1.25mm 10P	1
N5002	CJP10GB99ZY	WAFER	35237-1010 2.0mm 10P WHT	1
N5003	CJP11GB116ZY	WAFER	GF120-11S-LS 1.25mm 11P	1
N5004	CJP11GB116ZY	WAFER	GF120-11S-LS 1.25mm 11P	1
P5002	CJP05GB48ZW	WAFER	GIL-S-05P-S2L2-EF 5P	1
X5000	COX24576E180TF	CRYSTAL , 24.576MHz	CRYSTAL_HC-49/S_18PF	1

Ref. #	Part Number	Description	Value	Qty
	COP12041B	**AVR755 HDMI PCB ASS'Y**		**1**
BD2005	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)		1
BD2006	CLZ91002Z	FERRITE , CHIP BEAD(120ohm, 3216)	HCB3216KF-121T50	1
BD2007	CLZ91002Z	FERRITE , CHIP BEAD(120ohm, 3216)	HCB3216KF-121T50	1
BD2011	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2012	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2014	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2015	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2016	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2017	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2018	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2019	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2020	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2021	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2022	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2023	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2024	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2025	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2026	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2027	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2028	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2029	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2030	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2031	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1

Ref. #	Part Number	Description	Value	Qty
BD2032	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2033	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2034	CLZ91002Z	FERRITE , CHIP BEAD(120ohm, 3216)	HCB3216KF-121T50	1
BD2035	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2036	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2037	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2038	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2040	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2041	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2042	CLZ91002Z	FERRITE , CHIP BEAD(120ohm, 3216)	HCB3216KF-121T50	1
BD2043	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
C2002	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2003	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2031	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF/16V, ELNA)	10uF 16V T491B106M016AS 3528	1
C2043	CCUS1H123KC	CAP , CHIP(1608, 50V/12NF)	1608, 50V/12NF	1
C2045	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2049	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF/16V, ELNA)	10uF 16V T491B106M016AS 3528	
C2058	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2059	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2060	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2061	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2062	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2063	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2066	CCUS1H122KC	CAP , CHIP	1200PF 50V K	1
C2067	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2068	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2069	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2070	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2071	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2072	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2073	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2074	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2075	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2076	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2077	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2078	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2079	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2080	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2081	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2082	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2083	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2084	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2085	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2086	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2087	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2088	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2089	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2090	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2091	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2092	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2093	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2094	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF/16V, ELNA)	10uF 16V T491B106M016AS 3528	1
C2095	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2096	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2097	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2098	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2099	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2100	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2101	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2102	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2103	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2104	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2105	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2106	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2107	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2108	CCUS1H180JA	CAP , CHIP(18PF/50V)	18PF 50V J	1
C2109	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2110	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2111	CCUS1H180JA	CAP , CHIP(18PF/50V)	18PF 50V J	1
C2112	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2113	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2114	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2115	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2116	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2117	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2118	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2119	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF/16V, ELNA)	10uF 16V T491B106M016AS 3528	1
C2120	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2121	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2122	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2123	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2124	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2125	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2126	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2127	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2128	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1

Ref. #	Part Number	Description	Value	Qty
C2129	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2130	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2131	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2132	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2133	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2134	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2135	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2136	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2137	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2138	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2139	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2140	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2141	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C2142	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C2143	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C2144	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2145	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2146	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2147	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2148	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2149	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2150	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2151	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2152	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2153	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2154	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2155	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2156	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2157	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2158	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2159	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2160	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2161	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2162	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2163	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2164	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2165	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2166	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2167	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2168	CCUS1H102KC	CAP , CHIP	1000PF 50V K	1
C2169	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2170	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C2171	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2172	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2173	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2174	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2175	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2176	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2177	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2178	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2179	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2180	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2181	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2182	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2183	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2184	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2185	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2186	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2187	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2188	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2189	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2190	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2191	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2192	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2193	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2194	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2195	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2196	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2197	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2198	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2199	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2200	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2201	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2202	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2203	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2204	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2205	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2206	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2207	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2208	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2209	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2210	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2211	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2212	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2213	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2214	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1

Ref. #	Part Number	Description	Value	Qty
C2215	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2216	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2217	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2218	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2219	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2220	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2221	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2222	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2223	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2224	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2225	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2226	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2227	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2228	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2229	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2230	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2231	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2232	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2233	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2234	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2235	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2236	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2237	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2238	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2239	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2240	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2241	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2242	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2243	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2244	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2245	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2246	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2247	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2248	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2249	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2250	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2251	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2252	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2253	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2254	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2255	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2256	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2257	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2258	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2259	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2260	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2261	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2262	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2263	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2264	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2265	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2266	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2267	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2268	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2269	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2270	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2271	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2272	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2273	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2274	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2275	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2276	CCUS1H470JA	CAP , CHIP	47PF 50V J	1
C2277	CCUS1H470JA	CAP , CHIP	47PF 50V J	1
C2278	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2279	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2280	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2281	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2282	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2283	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2284	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C2285	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2286	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2287	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2289	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2290	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2291	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2292	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2294	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2295	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2296	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2297	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2298	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2299	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2300	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2302	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2303	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1

Ref. #	Part Number	Description	Value	Qty
C2304	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2305	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2306	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2307	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2308	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2309	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2310	CCUS1H123KC	CAP , CHIP(1608, 50V/12NF)	1608, 50V/12NF	1
C2311	CCUS1H222KC	CAP , CHIP	2200PF 50V K	1
C2312	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2313	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2314	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2315	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2316	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2317	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2319	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2320	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
D2014	CVDBAV99LT1G	DIODE , SWITCHING SOT-23	BAV99LT1G SOT-23	1
D2015	CVDBAV99LT1G	DIODE , SWITCHING SOT-23	BAV99LT1G SOT-23	1
D2016	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
D2017	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
D2019	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
F2000	CRTNANOSMDC150F2	SW , POLY(RESETTABLE 1.5A 0.08 OHM 0.6W 3216)	NANOSMDC150F-2 , TYCO RAYCHEM	1
IC2010	CVI74FCT38072DCGI	I.C , CLOCK DRIVER	IDT74FCT38072DCGI , IDT	1
IC2015	HVILM1117S-1V8	I.C , REGULATOR (1.8V)	LM1117-1V8	1
IC2017	HVILM1117S-1V8	I.C , REGULATOR (1.8V)	LM1117-1V8	1
IC2023	HVILM1117S-3V3	I.C , REGULATOR (3.3V)	1117S-3.3V	1
IC2028	HVILM1117S-2V5	I.C , REGULATOR (2.5V)	1117S-2.5	1
IC2033	HVILM1117S-1V8	I.C , REGULATOR (1.8V)	LM1117-1V8	1
IC2036	CVICD74HC4053M96	IC, MULTIPLEXERS, AVR755/655, CD74HC4053M96, TI	CD74HC4053M96	1
IC2037	CVISN74LVC1G04DCKR	I.C , SINGLE INVERTER GATE SC-70	SN74LVC1G04DCKR , TI(AVNET)	1
IC2039	CVDAD1580BRT	I.C, 1.2V MICROPOWER,PRECISION SHUNT VOLTAGE REF.	AD1580BRTZ-REEL	1
IC2040	CVISN74LVC1G125DBVR	I.C , SINGLE BUS BUFFER GATE SOT(SOT-23)DBV	SN74LVC1G125DBV	1
Q2004	HVTKTA1504SYRTK	T.R , CHIP	KTA1504S Y RTK	1
Q2005	HVTKTA1504SYRTK	T.R , CHIP	KTA1504S Y RTK	1
Q2006	CVT2N7002K	F.E.T(SOP-23)	2N7002K	1
Q2007	CVT2N7002K	F.E.T(SOP-23)	2N7002K	1
Q2008	HVTKRC107S	T.R , CHIP	KRC107S SOT-23	1
Q2009	HVTKRC107S	T.R , CHIP	KRC107S SOT-23	1
Q2010	HVTKRC107S	T.R , CHIP	KRC107S SOT-23	1
Q2011	HVTKRC107S	T.R , CHIP	KRC107S SOT-23	1
R2208	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R2242	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2243	CRJ10DJ330T	RES , CHIP	33 ohm 1/16W 5% 0603	1
R2246	CRJ10DF1690T	RES , CHIP(1/10W, 169OHM, 1%)	169 ohm 1/16W 1% 0603	1
R2267	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R2268	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R2269	CRJ10DJ271T	RES , CHIP	270 ohm 1/16W 5% 0603	1
R2270	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2271	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R2275	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R2276	CRJ10DJ223T	RES , CHIP	22K ohm 1/16W 5% 0603	1
R2277	CRJ10DJ392T	RES . CHIP	3K9 ohm 1/16W 5% 0603	1
R2278	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2279	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R2280	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R2281	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2282	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R2284	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2285	CRJ10DJ621T	RES, CHIP	620 ohm 1/16W 5% 0603	1
R2286	CRJ10DJ330T	RES , CHIP	33 ohm 1/16W 5% 0603	1
R2287	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2288	CRJ10DJ105T	RES , CHIP	1M ohm 1/16W 5% 0603	1
R2289	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2290	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R2291	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R2293	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2294	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2295	CRJ10DJ470T	RES , CHIP	47 ohm 1/16W 5% 0603	1
R2298	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R2299	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2300	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2301	CRJ10DJ220T	RES , CHIP	22 ohm 1/16W 5% 0603	1
R2302	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2303	CRJ10DJ220T	RES , CHIP	22 ohm 1/16W 5% 0603	1
R2304	CRJ10DJ220T	RES , CHIP	22 ohm 1/16W 5% 0603	1
R2305	CRJ10DJ220T	RES , CHIP	22 ohm 1/16W 5% 0603	1
R2306	CRJ10DJ220T	RES , CHIP	22 ohm 1/16W 5% 0603	1
R2307	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2308	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2309	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2310	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2311	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2312	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2313	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2314	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2315	CRJ10DJ220T	RES , CHIP	22 ohm 1/16W 5% 0603	1

Ref. #	Part Number	Description	Value	Qty
R2316	CRJ10DJ750T	RES , CHIP	75 ohm 1/16W 5% 0603	1
R2317	CRJ10DJ220T	RES , CHIP	22 ohm 1/16W 5% 0603	1
R2318	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2319	CRJ10DJ220T	RES , CHIP	22 ohm 1/16W 5% 0603	1
R2320	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2321	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2322	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2323	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2324	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2325	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2326	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2328	CRJ10DJ220T	RES , CHIP	22 ohm 1/16W 5% 0603	1
R2329	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2330	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2331	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2332	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2333	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2334	CRJ10DF2800T	RES , CHIP(1/10W, 280ohm, 1608, 1%)	1/10W, 280OHM, 1608, 1%	1
R2335	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2336	CRJ10DJ272T	RES , CHIP	2K7 ohm 1/16W 5% 0603	1
R2337	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33ohm 1/16W 5% CN34JT330	1
R2338	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2339	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33ohm 1/16W 5% CN34JT330	1
R2340	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33ohm 1/16W 5% CN34JT330	1
R2341	CRJ10DF2800T	RES , CHIP(1/10W, 280ohm, 1608, 1%)	1/10W, 280OHM, 1608, 1%	1
R2342	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33ohm 1/16W 5% CN34JT330	1
R2343	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33ohm 1/16W 5% CN34JT330	1
R2344	CRJ10DJ330T	RES , CHIP	33 ohm 1/16W 5% 0603	1
R2345	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2347	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2349	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2350	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2351	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2352	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2353	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2355	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2359	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2360	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2361	CRJ10DJ750T	RES , CHIP	75 ohm 1/16W 5% 0603	1
R2362	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2363	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2365	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R2366	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2368	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R2369	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2372	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2373	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2374	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2375	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2376	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2377	CRJ10DF1690T	RES , CHIP(1/10W, 169OHM, 1%)	1/10W, 169OHM, 1%	1
R2378	CRJ10DJ392T	RES . CHIP	3K9 ohm 1/16W 5% 0603	1
R2379	CRJ10DJ392T	RES . CHIP	3K9 ohm 1/16W 5% 0603	1
R2380	CRJ10DJ221T	RES , CHIP	220 ohm 1/16W 5% 0603	1
R2381	CRJ10DJ221T	RES , CHIP	220 ohm 1/16W 5% 0603	1
R2382	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2383	CRJ10DJ1R0T	RES , CHIP	1 ohm 1/16W 5% 0603	1
R2384	CRJ10DJ1R0T	RES , CHIP	1 ohm 1/16W 5% 0603	1
R2386	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2400	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R2401	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R2402	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2403	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2404	CRJ10DF1690T	RES , CHIP(1/10W, 169OHM, 1%)	1/10W, 169OHM, 1%	1
R2405	CRJ10DF1690T	RES , CHIP(1/10W, 169OHM, 1%)	1/10W, 169OHM, 1%	1
R2406	CRJ10DF1690T	RES , CHIP(1/10W, 169OHM, 1%)	1/10W, 169OHM, 1%	1
R2407	CRJ10DJ223T	RES , CHIP	22K ohm 1/16W 5% 0603	1
R2410	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R2411	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R2412	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R2416	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R2417	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R2418	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R2419	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R2420	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R2421	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
V2037	CRVEGA10603V12A1B	VARISTER , CHIP(12V, 0.2PF, 1608, EGA)	EGA10603V12A1-B	1
V2054	CRVEGA10603V12A1B	VARISTER , CHIP(12V, 0.2PF, 1608, EGA)	EGA10603V12A1-B	1
	CIP12041BTSMD	AVR755 HDMI PCB TOP SMD ASS'Y		1
	CUP12041Y	PCB , HDMI AVR755 (218X193, FR4/4)		1
BD2002	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2003	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2004	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2008	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2009	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD2010	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1

Ref. #	Part Number	Description	Value	Qty
C2007	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2008	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2009	CCUS1H220JA	CAP , CHIP	22PF 50V J	1
C2010	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2011	CCUS1H330JA	CAP , CHIP	33PF 50V J	1
C2012	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2013	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2014	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2015	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2016	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2017	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2018	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2019	CCUC0J106KC	CAP , CHIP (10UF/6.3V K X5R 2012)	10uF 6.3V +-10% C2012JB0J106K	1
C2020	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2021	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C2022	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C2023	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2024	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2025	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2026	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2027	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2028	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2029	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2030	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2032	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2033	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2034	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2035	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2036	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2037	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2038	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2039	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C2041	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF/6.3V, ELNA)	22uF 6V T491B226M006AS 3528	1
C2042	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C2044	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C2046	CCUS1H222KC	CAP , CHIP	2200PF 50V K	1
C2047	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C2048	CCUS1H330JA	CAP , CHIP	33PF 50V J	1
C2288	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF/16V, ELNA)	10uF 16V T491B106M016AS 3528	1
C2327	CCUS1H122KC	CAP , CHIP	1200PF 50V K	1
D2002	CVDBAV99LT1G	DIODE , SWITCHING SOT-23	BAV99LT1G SOT-23	1
D2003	CVDBAV99LT1G	DIODE , SWITCHING SOT-23	BAV99LT1G SOT-23	1
D2004	CVDBAV99LT1G	DIODE , SWITCHING SOT-23	BAV99LT1G SOT-23	1
D2006	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
D2007	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
D2008	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
D2009	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
D2010	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
D2011	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
D2020	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
F2001	CRTNANOSMDC050F	SW , POLY (RESETTABLE 0.5A 3216)	NANO SMDC050F+TYCO	1
F2002	CRTNANOSMDC050F	SW , POLY (RESETTABLE 0.5A 3216)	NANO SMDC050F+TYCO	1
IC2000	CVIPC17K1CTN	I.C , PHOTO COUPLER CHIP , PC17K1CTN	PC17K1CTN , KODENSHI	1
IC2001	CVIPC17K1CTN	I.C , PHOTO COUPLER CHIP , PC17K1CTN	PC17K1CTN , KODENSHI	1
IC2002	CVIBU4052BCF	I.C , ANALOG 4CHX2,MPX/DEMPX SOP-16	BU4052BCF SOP16	1
IC2004	CVISII9185ACTU	I.C , HDMI RX SW(80PIN TQFP)	SII9185ACTU	1
IC2005	CVTUPA672T	F.E.T	UPA672T-T1-A SMD	1
IC2006	CVTUPA672T	F.E.T	UPA672T-T1-A SMD	1
IC2007	CVISC16IS740IPW	I.C , TSSOP16	SC16IS740IPW TSSOP16	1
IC2008	CVISN74LVC257AD	I.C , SN74LVC257AD SOIC-16	SN74LVC257AD SOIC-16	1
IC2009	CVISII9135CTU	IC , HDMI RX(144PIN, TQFP)	144PIN, TQFP	1
IC2011	CVIM24C08WMN6TP	I.C , EEPROM (8KBits, 400MHz, 2.5~5.5V, SOP-8)	M24C08-WMN6TP, ST	1
IC2012	CVIBU4094BCF	I.C , CMOS SOP-16	BU4094BCF SOP16	1
IC2013	CVIBU4094BCF	I.C , CMOS SOP-16	BU4094BCF SOP16	1
IC2014	CVISN74LVC827APWR	I.C,0-BIT BUFFER/DRIVER TSSOP24 TEXAS INSTRUMENTS	SN74LVC827APWT TSSOP24	1
IC2016	CVISII9134CTU	IC , HDMI TX(100PIN, TQFP)	SII9134CTU TQFP100	1
IC2018	CVISN74LVC257AD	I.C , SN74LVC257AD SOIC-16	SN74LVC257AD SOIC-16	1
IC2019	CVIFLI30336AC	I.C , VIDEO PROCESSOR	FLI30336-LF-AC	1
IC2020	CVISN74LVC1G125DBVR	I.C , SINGLE BUS BUFFER GATE SOT(SOT-23)DBV	SN74LVC1G125DBVR SOT23	1
IC2021	CVISN74ALVCH16827DGG	I.C , BUFFER/DRIVER	SN74ALVCH16827DGGR , TI	1
IC2022	CVISN74ALVCH16827DGG	I.C , BUFFER/DRIVER	SN74ALVCH16827DGGR , TI	1
IC2024	CVIA3S56D40ETPG5	I.C, 256MB DDR SDRAM	A3S56D40ETP-G5	1
IC2025	CVIMK2302S01T	I.C , BUFFER	MK23020S-01T	1
IC2026	CVIF49L320UA70TG	I.C , 32M FLASH(48PIN TSOPI)	F49L320UA70TG	1
IC2027	CVIA3S56D40ETPG5	I.C, 256MB DDR SDRAM	A3S56D40ETP-G5	1
IC2030	CVISN74ALVCH16827DGG	I.C , BUFFER/DRIVER	SN74ALVCH16827DGGR , TI	1
IC2031	CVISN74ALVCH16827DGG	I.C , BUFFER/DRIVER	SN74ALVCH16827DGGR , TI	1
IC2032	CVIADV7340BSTZ	I.C , VIDEO ENCODER	ADV7340	1
IC2034	CVIADA4410-6ACPZ	I.C , VIDEO FILTER W/SEL- CUTOFF FREQ.32P	ADA4410-6ACPZ VQ_LFCSP-32PIN	1
JA2006	CJJ9H004Z	JACK , HDMI GOLD	YKF45-7043N	1
JA2007	CJJ9H004Z	JACK , HDMI GOLD	YKF45-7043N	1
JA2008	CJJ9H004Z	JACK , HDMI GOLD	YKF45-7043N	1
JA2009	CJJ9H004Z	JACK , HDMI GOLD	YKF45-7043N	1
JA2010	CJJ9H004Z	JACK , HDMI GOLD	YKF45-7043N	1
L2000	BLZ9R004Z	BEAD CHIP 90 OHM (2012 SIZE)	ACM2012H-900	1
L2001	BLZ9R004Z	BEAD CHIP 90 OHM (2012 SIZE)	ACM2012H-900	1

Ref. #	Part Number	Description	Value	Qty
L2002	BLZ9R004Z	BEAD CHIP 90 OHM (2012 SIZE)	ACM2012H-900	1
L2003	BLZ9R004Z	BEAD CHIP 90 OHM (2012 SIZE)	ACM2012H-900	1
Q2002	CVTKRC402ERTKP	T.R , NPN	KRC402E-RTK/P , KEC	1
Q2012	HVTKTA1504SYRTK	T.R , CHIP	KTA1504S Y RTK	1
Q2013	HVTKTA1504SYRTK	T.R , CHIP	KTA1504S Y RTK	1
R2000	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2003	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R2007	CRJ10DJ511T	RES , CHIP	510 ohm 1/16W 5% 0603	1
R2008	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2009	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2010	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2011	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2012	CRJ10DJ470T	RES , CHIP	47 ohm 1/16W 5% 0603	1
R2013	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2014	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2015	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2016	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R2017	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2018	CRJ10DJ470T	RES , CHIP	47 ohm 1/16W 5% 0603	1
R2020	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2021	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2022	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2023	CRJ10DJ470T	RES , CHIP	47 ohm 1/16W 5% 0603	1
R2025	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2026	CRJ064IJ220T	RES , CHIP ARRAY	22 ohm 1/16W 5% CN24J220	1
R2027	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2028	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R2029	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R2031	CRJ064IJ220T	RES , CHIP ARRAY	22 ohm 1/16W 5% CN24J220	1
R2032	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2033	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R2034	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R2035	CRJ10DJ182T	RES , CHIP	1K8 ohm 1/16W 5% 0603	1
R2036	CRJ10DJ182T	RES , CHIP	1K8 ohm 1/16W 5% 0603	1
R2037	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2038	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2039	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2040	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2041	CRJ10DJ123T	RES , CHIP	12K ohm 1/16W 5% 0603	1
R2042	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2043	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2044	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2045	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2046	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2047	CRJ10DJ123T	RES , CHIP	12K ohm 1/16W 5% 0603	1
R2048	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2049	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2051	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2052	CRJ064IJ220T	RES , CHIP ARRAY	22 ohm 1/16W 5% CN24J220	1
R2053	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2054	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R2055	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R2056	CRJ10DJ681T	RES , CHIP	680 ohm 1/16W 5% 0603	1
R2057	CRJ064IJ470T	RES , CHIP ARRAY	47 OHM 5% 1/16W 1005 X 4	1
R2058	CRJ064IJ470T	RES , CHIP ARRAY	47 OHM 5% 1/16W 1005 X 4	1
R2059	CRJ064IJ470T	RES , CHIP ARRAY	47 OHM 5% 1/16W 1005 X 4	1
R2060	CRJ064IJ470T	RES , CHIP ARRAY	47 OHM 5% 1/16W 1005 X 4	1
R2061	CRJ064IJ470T	RES , CHIP ARRAY	47 OHM 5% 1/16W 1005 X 4	1
R2062	CRJ064IJ470T	RES , CHIP ARRAY	47 OHM 5% 1/16W 1005 X 4	1
R2063	CRJ064IJ470T	RES , CHIP ARRAY	47 OHM 5% 1/16W 1005 X 4	1
R2064	CRJ064IJ470T	RES , CHIP ARRAY	47 OHM 5% 1/16W 1005 X 4	1
R2065	CRJ064IJ470T	RES , CHIP ARRAY	47 OHM 5% 1/16W 1005 X 4	1
R2066	CRJ064IJ470T	RES , CHIP ARRAY	47 OHM 5% 1/16W 1005 X 4	1
R2067	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2068	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2069	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2070	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2071	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2072	CRJ10DJ220T	RES , CHIP	22 ohm 1/16W 5% 0603	1
R2073	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R2074	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R2075	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R2076	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R2077	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2078	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2079	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2080	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2081	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R2082	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R2083	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2084	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2085	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2086	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2087	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2088	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R2089	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1

Ref. #	Part Number	Description	Value	Qty
R2090	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2091	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2092	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2093	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2094	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R2095	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2096	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2097	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2098	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R2100	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2101	CRJ10DJ750T	RES , CHIP	75 ohm 1/16W 5% 0603	1
R2103	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2104	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2105	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2106	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2107	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2108	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2109	CRJ10DF57R6T	RES . CHIP(57.6 ohm 1/16W 1% 1608)	57.6 ohm 1/16W 1% 0603	1
R2110	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2111	CRJ10DJ200T	RES , CHIP(1/10W, 20OHM,1608)	1/10W, 20OHM,1608	1
R2112	CRJ10DJ200T	RES , CHIP(1/10W, 20OHM,1608)	1/10W, 20OHM,1608	1
R2113	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2114	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2115	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2116	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2117	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2118	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2119	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R2120	CRJ10DJ200T	RES , CHIP(1/10W, 20OHM,1608)	1/10W, 20OHM,1608	1
R2121	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2122	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2123	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2124	CRJ10DJ750T	RES , CHIP	75 ohm 1/16W 5% 0603	1
R2125	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2126	CRJ10DF57R6T	RES . CHIP(57.6 ohm 1/16W 1% 1608)	57.6 ohm 1/16W 1% 0603	1
R2127	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2128	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2129	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2130	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R2131	CRJ10DJ200T	RES , CHIP(1/10W, 20OHM,1608)	20 ohm 1/16W 5% 0603	1
R2133	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R2134	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2135	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2136	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2137	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2138	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2139	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2140	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2141	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2142	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2143	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2144	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R2145	CRJ10DJ200T	RES , CHIP(1/10W, 20OHM,1608)	1/10W, 20OHM,1608	1
R2146	CRJ062IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X2)	MNR02M0APJ330	1
R2147	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R2148	CRJ10DJ200T	RES , CHIP(1/10W, 20OHM,1608)	1/10W, 20OHM,1608	1
R2149	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R2151	CRJ10DJ330T	RES , CHIP	1608 SIZE	1
R2152	CRJ10DJ200T	RES , CHIP(1/10W, 20OHM,1608)	1/10W, 20OHM,1608	1
R2153	CRJ10DJ200T	RES , CHIP(1/10W, 20OHM,1608)	1/10W, 20OHM,1608	1
R2154	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	MNR04M0APJ330	1
R2155	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2156	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2157	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2158	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2159	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2160	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2161	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2162	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2163	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2164	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2165	CRJ10DJ220T	RES , CHIP	22 ohm 1/16W 5% 0603	1
R2166	CRJ10DJ200T	RES , CHIP(1/10W, 20OHM,1608)	1/10W, 20OHM,1608	1
R2167	CRJ10DF57R6T	RES . CHIP(57.6 ohm 1/16W 1% 1608)	57.6 ohm 1/16W 1% 0603	1
R2169	CRJ10DF57R6T	RES . CHIP(57.6 ohm 1/16W 1% 1608)	57.6 ohm 1/16W 1% 0603	1
R2170	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2171	CRJ062IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X2)	33 ohm 1/16W 5% CN22J330	1
R2172	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2173	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2174	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	33 ohm 1/16W 5% CN24J330	1
R2176	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2177	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2178	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2180	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2181	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	33 ohm 1/16W 5% CN24J330	1
R2182	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1

Ref. #	Part Number	Description	Value	Qty
R2183	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2184	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2185	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2186	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2187	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2189	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2190	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2191	CRJ062IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X2)	33 ohm 1/16W 5% CN22J330	1
R2192	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2193	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2194	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2195	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2198	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2199	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2200	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	33 ohm 1/16W 5% CN24J330	1
R2201	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2202	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	33 ohm 1/16W 5% CN24J330	1
R2203	CRJ062IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X2)	33 ohm 1/16W 5% CN22J330	1
R2204	CRJ064IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X4)	33 ohm 1/16W 5% CN24J330	1
R2205	CRJ062IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X2)	33 ohm 1/16W 5% CN22J330	1
R2206	CRJ062IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X2)	33 ohm 1/16W 5% CN22J330	1
R2207	CRJ062IJ330T	RES , CHIP NETWORK(1/16W, 33ohm, 1005X2)	33 ohm 1/16W 5% CN22J330	1
R2209	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2210	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2211	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2212	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2213	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2214	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2215	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2216	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2217	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2218	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2219	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2220	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2221	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2222	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2223	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2224	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2225	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2227	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2229	CRJ10DJ220T	RES , CHIP	22 ohm 1/16W 5% 0603	1
R2231	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2232	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2233	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2234	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2236	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2237	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2238	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2239	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2240	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2241	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2245	CRJ064IJ220T	RES , CHIP ARRAY	22 OHM 5% 1/16W 1005 X 4	1
R2247	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2248	CRJ10DJ750T	RES , CHIP	75 ohm 1/16W 5% 0603	1
R2249	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2250	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2251	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2252	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2253	CRJ10DJ750T	RES , CHIP	75 ohm 1/16W 5% 0603	1
R2254	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R2255	CRJ10DJ112T	RES , CHIP	1.1K ohm 1/16W 5% 0603	1
R2256	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2257	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R2258	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R2259	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2260	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2261	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R2262	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R2263	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2264	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2265	CRJ10DJ301T	RES , CHIP	300 ohm 1/16W 5% 0603	1
R2389	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2390	CRJ10DJ472T	RES , CHIP	4K7ohm 1/16W 5% 0603	1
R2391	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2392	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2393	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2394	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R2422	CRJ10DJ511T	RES , CHIP	510 ohm 1/16W 5% 0603	1
R2423	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R2424	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
V2000	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2001	CRVEGA10603V12A1B	VARISTER , CHIP(12V, 0.2PF, 1608, EGA)	EGA10603V12A1-B	1
V2002	CRVEGA10603V12A1B	VARISTER , CHIP(12V, 0.2PF, 1608, EGA)	EGA10603V12A1-B	1
V2003	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2004	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2005	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1

Ref. #	Part Number	Description	Value	Qty
V2006	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2007	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2008	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2009	CRVEGA10603V12A1B	VARISTER , CHIP(12V, 0.2PF, 1608, EGA)	EGA10603V12A1-B	1
V2010	CRVEGA10603V12A1B	VARISTER , CHIP(12V, 0.2PF, 1608, EGA)	EGA10603V12A1-B	1
V2011	CRVEGA10603V12A1B	VARISTER , CHIP(12V, 0.2PF, 1608, EGA)	EGA10603V12A1-B	1
V2012	CRVEGA10603V12A1B	VARISTER , CHIP(12V, 0.2PF, 1608, EGA)	EGA10603V12A1-B	1
V2013	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2014	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2015	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2016	CRVEGA10603V12A1B	VARISTER , CHIP(12V, 0.2PF, 1608, EGA)	EGA10603V12A1-B	1
V2017	CRVEGA10603V12A1B	VARISTER , CHIP(12V, 0.2PF, 1608, EGA)	EGA10603V12A1-B	1
V2018	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2019	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2020	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2021	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2022	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2023	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2024	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2025	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2026	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2027	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2028	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2029	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2030	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2031	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2032	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2033	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2034	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2035	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2036	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2038	CRVEGA10603V12A1B	VARISTER , CHIP(12V, 0.2PF, 1608, EGA)	EGA10603V12A1-B	1
V2039	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2040	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2041	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2042	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2043	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2044	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2045	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2046	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2047	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2048	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2049	CRVEGA10402V05AH	VARISTER , CHIP(5V, 0.2PF, 1005, EGA)	EGA10402V05AH	1
V2050	CRVEGA10603V12A1B	VARISTER , CHIP(12V, 0.2PF, 1608, EGA)	EGA10603V12A1-B	1
V2051	CRVEGA10603V12A1B	VARISTER , CHIP(12V, 0.2PF, 1608, EGA)	EGA10603V12A1-B	1
V2052	CRVEGA10603V12A1B	VARISTER , CHIP(12V, 0.2PF, 1608, EGA)	EGA10603V12A1-B	1
V2053	CRVEGA10603V12A1B	VARISTER , CHIP(12V, 0.2PF, 1608, EGA)	EGA10603V12A1-B	1
V2055	CRVEGA10603V12A1B	VARISTER , CHIP(12V, 0.2PF, 1608, EGA)	EGA10603V12A1-B	1
X2002	COX19660E330S	X-TAL, CHIP, 19.6608 MHz (33P)	19.6608MHz HC-49/SMD 33PF	1
C2040	CCEA1AH101T	CAP , ELECT	100UF 10V	1
C2050	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C2051	CCEA0JH102T	CAP , ELECT	1000UF 6.3V	1
C2052	CCEA1CH470T	CAP , ELECT	47UF 16V	1
C2053	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C2054	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C2301	CCEA1AH101T	CAP , ELECT	100UF 10V	1
C2318	CCEA1CH470T	CAP , ELECT	47UF 16V	1
Q2000	HVTKRA107MT	T.R	KRA107M	1
Q2001	HVTKRA107MT	T.R	KRA107M	1
S2000	CST1A024ZT	SW , TACT		1
X2000	COX07372E120TF	X-TAL , HC-49/S, (7.3728MHz 12pF ,WOOIN)		1
X2001	COX28322E180TF	CRYSTAL(HC-49/S,ATS)		1
IC2029	CVIFAN1084TZA	I.C , HEAT SINK ASS'Y(FAN1084T + CMY2A223)	FAN1084+CMY2A223, FAIRCHILD	1
	CHD1A012R	SCREW , SPECIAL		1
	CMY2A223	HEAT SINK		1
	CVIFAN1084T	I.C , REGULATOR 4.5A LDO T0-220	FAN1084T	1
	K8AYG6260	COMPOUND , SILICONE		0.2
IC2035	CVIKIA278R33PIVA	I.C , HEAT SINK ASS'Y (KIA278R33PI + CMY2A223)	KIA278R33PI+CMY2A223, KEC	1
	CHD1A012R	SCREW , SPECIAL		1
	CMY2A223	HEAT SINK		1
	HVIKIA278R33PI	REGULATOR(3.3V OUTPUT LOWDROP)	KIA278R33PI	1
	K8AYG6260	COMPOUND , SILICONE		0.2
JA2000	CJJ2D008Z	EP-1401A		1
JA2001	CJJ2D008Z	EP-1401A		1
JA2002	CJJ2D008Z	EP-1401A		1
JA2003	CJJ2D008Z	EP-1401A		1
JA2004	CJJ2D008Z	EP-1401A		1
JA2005	CJJ2D008Z	EP-1401A		1
N2000	CJP17GB116ZY	GF120-17S-LS 1.25mm 17P		1
N2001	CJP11GB116ZY	GF120-11S-LS 1.25mm 11P		1
N2002	CJP29GB116ZY	GF120-29S-LS 1.25mm 29P	12511HR SERIES	1
N2003	CJP40GA227ZB	PAS2252-2001A46B1BA		1
N2007	CWB1B004080GN	4P WIRE ASS'Y(80MM, 2.0MM)		1
P2002	CJP04GA228ZB	PIN HEADER(4P, 2.54mm, FAM150A-04G002-6T)	FAM150	1
P2005	CJP07GB03ZY	5268-07A 2.5mm 7P WHT ANGLE		1
P2006	CJP04GB48ZW	GIL-S-04P-S2L2-EF 4P		1

Ref. #	Part Number	Description	Value	Qty
P2007	CJP05GB48ZW	GIL-S-05P-S2L2-EF 5P		1
P2020	CJP02GB03ZY	5268-02A 2.5mm 2P WHT ANGLE	YEONHO YM025 SERIES	1
Ref. #	**Part Number**	**Description**	**Value**	**Qty**
	COP12042C	**AVR750EU PROCESSOR PCB ASS'Y**		**1**
C1150	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1151	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1152	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1155	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1156	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1157	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1158	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1159	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1160	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1161	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1162	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1163	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1164	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1165	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1166	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1167	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1168	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1169	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1173	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1174	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1175	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1176	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1177	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1178	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1179	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1180	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1181	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1182	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1183	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1184	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1187	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1188	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1189	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1190	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1191	CCUS1H151JA	CAP , CHIP	150PF 50V J	1
C1192	CCUS1H151JA	CAP , CHIP	150PF 50V J	1
C1193	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1194	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1195	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1196	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1197	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1198	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1199	CCUS1H121JA	CAP , CHIP	120PF 50V J	1
C1200	CCUS1H121JA	CAP , CHIP	120PF 50V J	1
C1205	CCUS1H151JA	CAP , CHIP	150PF 50V J	1
C1206	CCUS1H151JA	CAP , CHIP	150PF 50V J	1
C1207	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1208	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1209	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1210	CCUS1H222KC	CAP , CHIP	2200PF 50V K	1
C1211	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1212	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1213	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1214	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1215	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1216	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1217	CCUS1H330JA	CAP , CHIP	33PF 50V J	1
C1218	CCUS1H330JA	CAP , CHIP	33PF 50V J	1
C1219	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1220	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1221	CCUS1H151JA	CAP , CHIP	150PF 50V J	1
C1222	CCUS1H151JA	CAP , CHIP	150PF 50V J	1
D1003	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
IC1015	HVINJM2068MDTE1	I.C , OP AMP	NJM2068MD-TE1	1
IC1016	HVINJM2068MDTE1	I.C , OP AMP	NJM2068MD-TE1	1
IC1017	CVITC9273CFG	I.C , ANALOG SW(3.0V, 10X2CH, SOP-28)	TC9273CFG , TOSHIBA	1
IC1018	HVINJM2068MDTE1	I.C , OP AMP	NJM2068MD-TE1	1
IC1019	HVINJM2068MDTE1	I.C , OP AMP	NJM2068MD-TE1	1
IC1020	HVINJM2068MDTE1	I.C , OP AMP	NJM2068MD-TE1	1
IC1022	HVINJM2068MDTE1	I.C , OP AMP	NJM2068MD-TE1	1
IC1023	HVINJM2068MDTE1	I.C , OP AMP	NJM2068MD-TE1	1
IC1024	HVINJM2068MDTE1	I.C , OP AMP	NJM2068MD-TE1	1
IC1025	HVINJM2068MDTE1	I.C , OP AMP	NJM2068MD-TE1	1
Q1028	HVTKRA107S	TR, CHIP	KRA107S-RTK/P	1
Q1029	HVTKRA107S	TR, CHIP	KRA107S-RTK/P	1
Q1031	HVTKRC107S	T.R , CHIP	KRC107S-RTK/P	1
Q1036	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1

Ref. #	Part Number	Description	Value	Qty
Q1037	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1038	HVTKRA107S	TR, CHIP	KRA107S-RTK/P	1
Q1039	HVTKRA107S	TR, CHIP	KRA107S-RTK/P	1
Q1046	HVTKRA107S	TR, CHIP	KRA107S-RTK/P	1
Q1049	HVTKRA107S	TR, CHIP	KRA107S-RTK/P	1
Q1050	HVTKRA107S	TR, CHIP	KRA107S-RTK/P	1
Q1051	HVTKRA107S	TR, CHIP	KRA107S-RTK/P	1
Q1052	HVTKRA107S	TR, CHIP	KRA107S-RTK/P	1
Q1053	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1054	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
R1101	CRJ10DJ823T	RES , CHIP	82K ohm 1/16W 5% 0603	1
R1102	CRJ10DJ823T	RES , CHIP	82K ohm 1/16W 5% 0603	1
R1103	CRJ10DJ823T	RES , CHIP	82K ohm 1/16W 5% 0603	1
R1104	CRJ10DJ823T	RES , CHIP	82K ohm 1/16W 5% 0603	1
R1105	CRJ10DJ823T	RES , CHIP	82K ohm 1/16W 5% 0603	1
R1106	CRJ10DJ823T	RES , CHIP	82K ohm 1/16W 5% 0603	1
R1107	CRJ10DJ823T	RES , CHIP	82K ohm 1/16W 5% 0603	1
R1108	CRJ10DJ823T	RES , CHIP	82K ohm 1/16W 5% 0603	1
R1109	CRJ10DJ823T	RES , CHIP	82K ohm 1/16W 5% 0603	1
R1110	CRJ10DJ823T	RES , CHIP	82K ohm 1/16W 5% 0603	1
R1111	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1112	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1113	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1116	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1117	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1118	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1119	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1120	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1121	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1122	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1123	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1124	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1125	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1126	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1127	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1128	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1129	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1132	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1133	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1134	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1135	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1136	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1137	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1138	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1139	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1140	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1141	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1142	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1143	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1144	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1145	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1146	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1147	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1148	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1149	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1150	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1151	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1152	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1153	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1154	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1155	CRJ10DJ512T	RES , CHIP	5K1 ohm 1/16W 5% 0603	1
R1156	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1157	CRJ10DJ512T	RES , CHIP	5K1 ohm 1/16W 5% 0603	1
R1158	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1159	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1160	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1161	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1164	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1165	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1166	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1167	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1168	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1169	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1170	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1171	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1172	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1173	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1174	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1175	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1176	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1177	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1178	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1179	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1180	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1181	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1182	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1

Ref. #	Part Number	Description	Value	Qty
R1185	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1186	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1187	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1188	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1189	CRJ10DJ100T	RES , CHIP	10 ohm 1/16W 5% 0603	1
R1190	CRJ10DJ100T	RES , CHIP	10 ohm 1/16W 5% 0603	1
R1191	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1192	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1193	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1194	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1195	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1196	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1197	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1198	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1201	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1202	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1203	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1204	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1205	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1206	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1207	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1208	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1209	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1212	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1213	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1214	CRJ10DJ820T	RES , CHIP	82 ohm 1/16W 5% 0603	1
R1215	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1216	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1217	CRJ10DJ820T	RES , CHIP	82 ohm 1/16W 5% 0603	1
R1218	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1219	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1220	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1221	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1222	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1223	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1224	CRJ10DJ432T	RES , CHIP	4K3 ohm 1/16W 5% 0603	1
R1225	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1226	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1227	CRJ10DJ432T	RES , CHIP	4K3 ohm 1/16W 5% 0603	1
R1228	CRJ10DJ272T	RES , CHIP	2K7 ohm 1/16W 5% 0603	1
R1229	CRJ10DJ272T	RES , CHIP	2K7 ohm 1/16W 5% 0603	1
R1230	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1231	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1232	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1233	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1234	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1235	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1236	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1237	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1238	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1239	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1240	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1241	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1242	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1243	CRJ10DJ122T	RES , CHIP	1K2 ohm 1/16W 5% 0603	1
R1244	CRJ10DJ122T	RES , CHIP	1K2 ohm 1/16W 5% 0603	1
R1245	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1246	CRJ10DJ430T	RES , CHIP(43ohm,1/10W ,5%,1608)	43ohm,1/10W ,5%,1608	1
R1247	CRJ10DJ430T	RES , CHIP(43ohm,1/10W ,5%,1608)	43ohm,1/10W ,5%,1608	1
R1248	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1249	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1250	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1251	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1252	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1253	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1254	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1255	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1256	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1257	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1258	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1259	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1260	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1261	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1262	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1263	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1264	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1265	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1266	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1267	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1268	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1269	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1270	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1271	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1272	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1273	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1274	CRJ10DJ202T	RES , CHIP	2K ohm 1/16W 5% 0603	1

Ref. #	Part Number	Description	Value	Qty
R1275	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1276	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1277	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1278	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1279	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1280	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1281	CRJ10DJ123T	RES , CHIP	12K ohm 1/16W 5% 0603	1
R1283	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1284	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1285	CRJ10DJ123T	RES , CHIP	12K ohm 1/16W 5% 0603	1
R1286	CRJ10DJ911T	RES , CHIP	910 ohm 1/16W 5% 0603	1
R1288	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1289	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1290	CRJ10DJ911T	RES , CHIP	910 ohm 1/16W 5% 0603	1
R1292	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1293	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1294	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1295	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1298	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1299	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1300	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1301	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1303	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1304	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1309	CRJ10DJ100T	RES , CHIP	10 ohm 1/16W 5% 0603	1
R1310	CRJ10DJ100T	RES , CHIP	10 ohm 1/16W 5% 0603	1
R1312	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1313	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1314	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1315	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1316	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1317	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1318	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1319	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1320	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1321	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1322	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1323	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1324	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1325	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1326	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1327	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1328	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1329	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1330	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1331	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1332	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1333	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1334	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1335	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1336	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1337	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1338	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1339	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1340	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1341	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1342	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1343	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1344	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1345	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1347	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1354	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1359	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1366	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1367	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1368	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1369	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1370	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1371	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1372	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1373	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1374	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1375	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1376	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1377	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1378	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1379	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1380	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1381	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1382	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1383	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1384	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1385	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1386	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1387	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1388	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1

Ref. #	Part Number	Description	Value	Qty
R1389	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1390	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1391	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1392	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1393	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1394	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1395	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1396	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1397	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1398	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1399	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1400	CRJ10DJ221T	RES , CHIP	220 ohm 1/16W 5% 0603	1
R1401	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1402	CRJ10DJ221T	RES , CHIP	220 ohm 1/16W 5% 0603	1
R1403	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1404	CRJ10DJ221T	RES , CHIP	220 ohm 1/16W 5% 0603	1
R1405	CRJ10DJ221T	RES , CHIP	220 ohm 1/16W 5% 0603	1
R1406	CRJ10DJ473T	RES , CHIP	47K ohm 1/16W 5% 0603	1
R1411	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1412	CRJ10DJ471T	RES , CHIP	470 ohm 1/16W 5% 0603	1
R1413	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1414	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
	CIP12042CTSMD	AVR750EU PROCESSOR PCB TOP SMD ASS'Y		1
	CUP12042Y	PCB , PROSESSOR AVR755 (188X228, FR4/2)		1
C1004	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1005	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1026	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1036	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1039	CCUS1H151JA	CAP , CHIP	150PF 50V J	1
C1040	CCUS1H151JA	CAP , CHIP	150PF 50V J	1
C1047	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1048	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1059	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1063	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1067	CCUS1H222KC	CAP , CHIP	2200PF 50V K	1
C1074	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1081	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1084	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1085	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1089	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1122	CCUS1H151JA	CAP , CHIP	150PF 50V J	1
C1123	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1124	CCUS1H151JA	CAP , CHIP	150PF 50V J	1
C1125	CCUS1H151JA	CAP , CHIP	150PF 50V J	1
C1126	CCUS1H151JA	CAP , CHIP	150PF 50V J	1
C1127	CCUS1H151JA	CAP , CHIP	150PF 50V J	1
C1128	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1129	CCUS1H560JA	CAP , CHIP	56PF 50V J	1
C1130	CCUS1H560JA	CAP , CHIP	56PF 50V J	1
C1131	CCUS1H330JA	CAP , CHIP	33PF 50V J	1
C1132	CCUS1H560JA	CAP , CHIP	56PF 50V J	1
C1133	CCUS1H560JA	CAP , CHIP	56PF 50V J	1
C1134	CCUS1H560JA	CAP , CHIP	56PF 50V J	1
C1135	CCUS1H330JA	CAP , CHIP	33PF 50V J	1
C1136	CCUS1H271JA	CAP , CHIP	270PF 50V J	1
C1145	CCUS1H271JA	CAP , CHIP	270PF 50V J	1
C1148	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1149	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
D1004	HVDUDZS5.1BSR	DIODE , ZENER (CHIP,5.1V)	UDZS 5.1B 5.1V 200mW UMD2	1
IC1000	CVITC9273CFG	I.C , ANALOG SW(3.0V, 10X2CH, SOP-28)	TC9273CFG-004 SOP28	1
IC1001	HVITC9162CFG	I.C , FUNCTION SW	TC9162CFG SOP28	1
IC1002	HVINJM2068MDTE1	I.C , OP AMP	NJM2068M-TE1 SOP8	1
IC1003	HVITC9163CFG	I.C , FUNCTION SW	TC9163CFG SOP28	1
IC1004	HVINJM2068MDTE1	I.C , OP AMP	NJM2068M-TE1 SOP8	1
IC1005	HVINJM2068MDTE1	I.C , OP AMP	NJM2068M-TE1 SOP8	1
IC1006	HVITC9482BFG	I.C , 6CH VOLUME	TC9482BFG SOP28	1
IC1007	HVITC9482BFG	I.C , 6CH VOLUME	TC9482BFG SOP28	1
IC1008	HVINJM2068MDTE1	I.C , OP AMP	NJM2068M-TE1 SOP8	1
IC1009	HVINJM2068MDTE1	I.C , OP AMP	NJM2068M-TE1 SOP8	1
IC1010	HVINJM2068MDTE1	I.C , OP AMP	NJM2068M-TE1 SOP8	1
IC1011	HVINJM2068MDTE1	I.C , OP AMP	NJM2068M-TE1 SOP8	1
IC1012	HVINJM2068MDTE1	I.C , OP AMP	NJM2068M-TE1 SOP8	1
IC1013	HVINJM2068MDTE1	I.C , OP AMP	NJM2068M-TE1 SOP8	1
Q1000	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1001	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1002	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1003	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1004	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1005	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1008	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1009	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1010	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1011	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1012	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1018	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1019	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1

Ref. #	Part Number	Description	Value	Qty
Q1020	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1021	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1022	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1023	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1024	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1025	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1026	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
Q1027	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	1
R1000	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1001	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1002	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1003	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1004	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1005	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1008	CRJ10DJ753T	RES , CHIP	75K ohm 1/16W 5% 0603	1
R1009	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1010	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1011	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1012	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1013	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1014	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1015	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1016	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1017	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1018	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1019	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1020	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1021	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1022	CRJ10DJ332T	RES , CHIP	3K3 ohm 1/16W 5% 0603	1
R1023	CRJ10DJ332T	RES , CHIP	3K3 ohm 1/16W 5% 0603	1
R1024	CRJ10DJ332T	RES , CHIP	3K3 ohm 1/16W 5% 0603	1
R1025	CRJ10DJ332T	RES , CHIP	3K3 ohm 1/16W 5% 0603	1
R1026	CRJ10DJ123T	RES , CHIP	12K ohm 1/16W 5% 0603	1
R1027	CRJ10DJ123T	RES , CHIP	12K ohm 1/16W 5% 0603	1
R1028	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1029	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1030	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1031	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1032	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1033	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1034	CRJ10DJ152T	RES , CHIP	1K5 ohm 1/16W 5% 0603	1
R1035	CRJ10DJ152T	RES , CHIP	1K5 ohm 1/16W 5% 0603	1
R1036	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1037	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1038	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1039	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1040	CRJ10DJ912T	RES , CHIP	9K1 ohm 1/16W 5% 0603	1
R1045	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1046	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1047	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1048	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1049	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1051	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1052	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1053	CRJ10DJ202T	RES , CHIP	2K ohm 1/16W 5% 0603	1
R1055	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1056	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1057	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1058	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1059	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1065	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1066	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1067	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1068	CRJ10DJ104T	RES , CHIP	100K ohm 1/16W 5% 0603	1
R1070	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1071	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1072	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1073	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1074	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1075	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1077	CRJ10DJ562T	RES , CHIP	5K6 ohm 1/16W 5% 0603	1
R1078	CRJ10DJ562T	RES , CHIP	5K6 ohm 1/16W 5% 0603	1
R1079	CRJ10DJ562T	RES , CHIP	5K6 ohm 1/16W 5% 0603	1
R1080	CRJ10DJ152T	RES , CHIP	1K5 ohm 1/16W 5% 0603	1
R1081	CRJ10DJ152T	RES , CHIP	1K5 ohm 1/16W 5% 0603	1
R1082	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1083	CRJ10DJ562T	RES , CHIP	5K6 ohm 1/16W 5% 0603	1
R1084	CRJ10DJ562T	RES , CHIP	5K6 ohm 1/16W 5% 0603	1
R1085	CRJ10DJ152T	RES , CHIP	1K5 ohm 1/16W 5% 0603	1
R1086	CRJ10DJ432T	RES , CHIP	4K3 ohm 1/16W 5% 0603	1
R1087	CRJ10DJ152T	RES , CHIP	1K5 ohm 1/16W 5% 0603	1
R1088	CRJ10DJ432T	RES , CHIP	4K3 ohm 1/16W 5% 0603	1
R1089	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1090	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1091	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1092	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1

Ref. #	Part Number	Description	Value	Qty
R1093	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1094	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1095	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1096	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1097	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1098	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1407	CRJ10DJ202T	RES , CHIP	2K ohm 1/16W 5% 0603	1
R1408	CRJ10DJ202T	RES , CHIP	2K ohm 1/16W 5% 0603	1
R1409	CRJ10DJ202T	RES , CHIP	2K ohm 1/16W 5% 0603	1
R1410	CRJ10DJ202T	RES , CHIP	2K ohm 1/16W 5% 0603	1
C1000	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1001	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1002	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1003	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1006	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1007	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1008	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1009	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1012	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1013	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1014	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C1015	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C1016	CCEA1HH1R0T	CAP , ELECT	1UF 50V	1
C1017	CCEA1HH1R0T	CAP , ELECT	1UF 50V	1
C1018	CCEA1HH1R0T	CAP , ELECT	1UF 50V	1
C1019	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1020	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1021	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1022	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1037	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1038	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1043	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1044	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1045	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1046	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1049	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1050	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1051	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1052	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1053	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1054	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1060	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1061	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1062	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1071	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1075	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1076	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1077	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1078	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1086	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1087	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1088	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C1090	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1091	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1092	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1093	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1098	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1099	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1102	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C1103	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C1112	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1113	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1114	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1115	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1116	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1117	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1118	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1119	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1120	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1121	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1137	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1138	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1139	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1140	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1141	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1142	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1143	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1144	CCEA1CH100T	CAP , ELECT	10UF 16V	1
C1146	CCEA1EH331T	CAP , ELECT	33OUF 25V	1
C1147	CCEA1EH331T	CAP , ELECT	33OUF 25V	1
C1223	CCEA1AH471T	CAP , ELECT	470UF 10V	1
IC1014	HVINJM4556AD	IC, OP AMP	NJM4556AD	1
JA1001	CJJ4R020Z	JACK , BOARD	GOLD. PLATE	1
JA1002	CJJ4R020Z	JACK , BOARD	GOLD. PLATE	1
JA1003	CJJ4P019Y	JACK , BOARD	GOLD , PLATE	1
JA1004	CJJ4M062Z	JACK , RCA (1P, 115AG, PP, AU PL)	RCA-115AGG-06	1

Ref. #	Part Number	Description	Value	Qty
K1000	CSL4C010ZE	RELAY , D3009(1-1462033-4) ,TYCO	D3009(1-1462033-4)	1
N1003	CJP07GB99ZY	HOUSING	35237-0710 2.0mm 7P WHT	1
N1004	CJP10GB99ZY	WAFER	35237-1010 2.0mm 10P WHT	1
N1005	CJP10GB99ZY	WAFER	35237-1010 2.0mm 10P WHT	1
P1002	CJP10GA47ZW	WAFER, 2mm	GIL-S-10P-S2T2-EF 10P	1
P1003	CJP11GA98ZM	WAFER	35336-1110 2.0mm 11P WHT	1
P1004	CJP04GA47ZW	WAFER(4P, ST 2MM)	GIL-S-4P-S2T2-EF 4P	1
P1005	CJP05GA47ZW	WAFER,2mm	GIL-S-5P-S2T2-EF 5P	1
P1006	CJP19GA98ZM	WAFER(19P, ST 2MM)	35336-1910 2.0mm 19P WHT	1
P1007	CJP05GA47ZW	WAFER,2mm	GIL-S-5P-S2T2-EF 5P	1
P1008	CJP19GA98ZM	WAFER(19P, ST 2MM)	35336-1910 2.0mm 19P WHT	1
P1009	CJP19GA98ZM	WAFER(19P, ST 2MM)	35336-1910 2.0mm 19P WHT	1
P1010	CJP10GA98ZY	WAFER	35336-1010 2.0mm 10P WHT	1
P1011	CJP04GA47ZW	WAFER(4P, ST 2MM)	GIL-S-4P-S2T2-EF 4P	1

Ref. #	Part Number	Description	Value	Qty
		AVR760 POWER PCB ASS'Y(COP12043H)		
	CIP12043H	AVR760 POWER PCB AUTO ASS'Y		1
	CHD1A012R	SCREW , SPECIAL		1
	CHD5A012JR	SCREW		1
BD3251	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD3252	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
BD3253	CLZ9R012Z	BEAD , FERRITE(FCM2012CF-301T04 300ohm)		1
C3207	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C3251	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C3253	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C3255	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C3256	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C3257	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C3258	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
C3259	CCUS1H104KC	CAP , CHIP (1608, 50V/0.1uF)	0.1UF 50V K	1
D3200	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D3203	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D3204	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D3205	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D3206	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D3210	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D3211	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D3212	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D3251	HVD1SS355T	DIODE , CHIP		1
D3252	HVDUDZS15BSR	DIODE , ZENER(CHIP,15V)		1
D3253	HVDUDZS15BSR	DIODE , ZENER(CHIP,15V)		1
D3254	HVDUDZS15BSR	DIODE , ZENER(CHIP,15V)		1
D3255	HVDUDZS15BSR	DIODE , ZENER(CHIP,15V)		1
D3256	HVD1SS355T	DIODE , CHIP		1
D3257	HVD1SS355T	DIODE , CHIP		1
IC3251	CVIMAX3223CDWR	I.C , RS-232 LINE DIRVER SOIC-16P		1
R3212	CRJ10DF7502T	RES , CHIP(75K, 1608, 1%)		1
R3213	CRJ10DF7502T	RES , CHIP(75K, 1608, 1%)		1
R3214	CRJ10DF4992T	RES , CHIP(49.9K, 1608, 1%)		1
R3215	CRJ10DF4992T	RES , CHIP(49.9K, 1608, 1%)		1
R3241	CRJ10DJ0R0T	RES , CHIP(0 OHM , 5% , 1608)	1608 SIZE	1
R3251	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R3252	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
R3253	CRJ10DJ472T	RES , CHIP(4.7K OHM , 5% , 1608)	1608 SIZE	1
C3007	CCEA1EH471T	CAP , ELECT	470UF 25V	1
C3008	CCFT1H103ZF	CAP , CERAMIC	0.01UF 50V Z	1
C3009	CCFT1H103ZF	CAP , CERAMIC	0.01UF 50V Z	1
C3010	CCFT1H103ZF	CAP , CERAMIC	0.01UF 50V Z	1
C3011	CCEA1EH471T	CAP , ELECT	470UF 25V	1
C3013	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C3014	CCEA1HH1R0T	CAP , ELECT	1UF 50V	1
C3015	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C3018	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C3019	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C3020	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C3021	CCBS1H104ZFT	CAP , CERAMIC	0.1UF 50V Z	1
C3050	CCEA1CH471T	CAP , ELECT	470UF 16V	1
C3051	CCEA1CH471T	CAP , ELECT	470UF 16V	1
C3052	CCBS1H223ZFT	CAP , CERAMIC(22000PF/50V)	CH UP025 F223Z-A-B J	1
C3060	CCEA1VKS100T	CAP , ELECT	10UF 35V	1
C3090	HCQI1H473JZT	CAP , MYLAR	0.047UF 50V J	1
C3091	HCQI1H473JZT	CAP , MYLAR	0.047UF 50V J	1
C3092	HCQI1H473JZT	CAP , MYLAR	0.047UF 50V J	1
C3103	KCME2E104JP04T	CAP , METALLIZED FILM (0.1UF/250V)		1
C3104	KCME2E104JP04T	CAP , METALLIZED FILM (0.1UF/250V)		1
C3105	KCME2E104JP04T	CAP , METALLIZED FILM (0.1UF/250V)		1
C3252	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C3254	CCFT1H104ZF	CAP , SEMICONDUCTOR	0.1UF 50V Z	1
D3001	HVD1N4148T	DIODE	1N4148	1
D3002	HVD1N4007T	DIODE		1
D3003	HVD1N4007T	DIODE		1

Ref. #	Part Number	Description	Value	Qty
D3004	CVDZJ9.1BT	DIODE , ZENER 9.1V		1
D3005	HVD1N5819T	DIODE , SCHOTTKY	1N5819	1
D3006	HVD1N5819T	DIODE , SCHOTTKY	1N5819	1
D3007	HVD1N5819T	DIODE , SCHOTTKY	1N5819	1
D3008	HVD1N5819T	DIODE , SCHOTTKY	1N5819	1
D3009	HVD1N5819T	DIODE , SCHOTTKY	1N5819	1
D3010	HVD1N5819T	DIODE , SCHOTTKY	1N5819	1
D3011	HVD1N4148T	DIODE	1N4148	1
D3016	CVDZJ4.3BT	DIODE , ZENER 4.3V	ZJ4.3B 1/2W	1
D3019	CVDZJ22BT	DIODE , ZENER 22V	ZJ22B 1/2W	1
D3020	CVDZJ22BT	DIODE , ZENER 22V	ZJ22B 1/2W	1
D3021	HVD1N4007T	DIODE		1
D3022	CVD1N4003ST	DIODE , RECT	1N4003	1
D3023	HVD1N5819T	DIODE , SCHOTTKY	1N5819	1
FH3000	KJCFC5S	HOLDER , FUSE		1
FH3001	KJCFC5S	HOLDER , FUSE		1
FH3100	KJCFC5S	HOLDER , FUSE		1
FH3101	KJCFC5S	HOLDER , FUSE		1
F3010	CBA2D4000A2EYT	FUSE (LITTLE FUSE 382 SERIES) 4A 250V		1
F3011	CBA2D4000A2EYT	FUSE (LITTLE FUSE 382 SERIES) 4A 250V		1
G3000	HJT1A025	PALTE , EARTH	MET37-0002	1
G3001	HJT1A025	PALTE , EARTH	MET37-0002	1
Q3001	CVTMPSA06ATPF	T.R , DRIVER(NPN,120V, 500mA TO-92)	MPSA06-AT/PF , KEC	1
Q3002	CVTMPSA06ATPF	T.R , DRIVER(NPN,120V, 500mA TO-92)	MPSA06-AT/PF , KEC	1
R3002	CRD20TJ103T	RES , CARBON (10K OHM , 5% , 1/5W)	10K OHM 1/5W J	1
R3003	CRD20TJ102T	RES , CARBON (1K OHM , 5% , 1/5W)	1K OHM 1/5W J	1
R3004	CRD20TJ153T	RES , CARBON (15K OHM , 5% , 1/5W)	15K OHM 1/5W J	1
R3005	CRD20TJ153T	RES , CARBON (15K OHM , 5% , 1/5W)	15K OHM 1/5W J	1
R3006	CRD20TJ1R0T	RES , CARBON (1 OHM , 5% , 1/5W)	1 OHM 1/5W J	1
R3007	CRD20TJ1R0T	RES , CARBON (1 OHM , 5% , 1/5W)	1 OHM 1/5W J	1
R3009	CRD20TJ103T	RES , CARBON (10K OHM , 5% , 1/5W)	10K OHM 1/5W J	1
R3010	CRD20TJ104T	RES , CARBON (100K OHM , 5% , 1/5W)	100K OHM 1/5W J	1
R3011	CRD20TJ222T	RES , CARBON (2.2K OHM , 5% , 1/5W)	2.2K OHM 1/5W J	1
R3012	CRD20TJ272T	RES , CARBON (2.7K OHM , 5% , 1/5W)	2.7K OHM 1/5W J	1
R3013	CRD20TJ470T	RES , CARBON (47 OHM , 5% , 1/5W)	47 OHM 1/5W J	1
R3020	CRD20TJ103T	RES , CARBON (10K OHM , 5% , 1/5W)	10K OHM 1/5W J	1
R3021	CRD20TJ473T	RES , CARBON (47K OHM , 5% , 1/5W)	47K OHM 1/5W J	1
R3022	CRD20TJ473T	RES , CARBON (47K OHM , 5% , 1/5W)	47K OHM 1/5W J	1
R3023	CRD20TJ473T	RES , CARBON (47K OHM , 5% , 1/5W)	47K OHM 1/5W J	1
R3024	CRD20TJ473T	RES , CARBON (47K OHM , 5% , 1/5W)	47K OHM 1/5W J	1
R3025	CRD20TJ473T	RES , CARBON (47K OHM , 5% , 1/5W)	47K OHM 1/5W J	1
R3026	CRD20TJ473T	RES , CARBON (47K OHM , 5% , 1/5W)	47K OHM 1/5W J	1
R3050	CRD20TJ104T	RES , CARBON (100K OHM , 5% , 1/5W)	100K OHM 1/5W J	1
	CQB1D022	A-ROHS/LABEL,SERIAL		1
	CVIAVR755PBGA	I.C HEAT SINK ASS'Y(CMY2A239)		1
	CHD1A012R	SCREW , SPECIAL		1
	CMY2A239	HEAT SINK , AVR755		1
	CTB3+8JR	SCREW		1
	CVIBA033T0I2	I.C , REGULATOR LOW DROP(3.3V, 2W, BA033T, TO-220)	BA033T , ROHM	1
	HVIKIA78R05PI	REGULATOR (5V OUTPUT LOW DROP)	KIA78R05PI	1
	K8AYG6260	COMPOUND , SILICONE		0,4
	C2K86002	SOLDER , BAR SN PB FREE	HSE-16(P) B20	10
	C2K86102	SOLDER , FLUX WIRE PB FREE(PIE 1.0)	HSE-04 W1.0	5
	C8AGB288	BOND (MAX)		2,8
	C8E534	FLUX		3
BK99	CMD1A736	BRACKET , PCB		1
BN40	CWB1C903150BM	WIRE ASS'Y(3P, 150MM, 2.5MM, #24)		1
CN40	CJP03GA01ZY	WAFER		1
C3000	HCQE2E104KDE	CAP , LINE ACROSS		1
C3001	KCKDKS472ME	CAP , CERAMIC(X1/Y2/SC)	0.0047UF/2.5KV	1
C3005	CCEA1JH471E	CAP , ELECT		1
C3006	CCEA1JH471E	CAP , ELECT		1
C3016	CCEA1HH221E	CAP , ELECT		1
C3025	CCEA1EH681ES	E.CAP 25V 680uF, 105'C		1
C3101	CCET63VKL5103NK	CAP , ELECT		1
C3102	CCET63VKL5103NK	CAP , ELECT		1
D3090	CVDKBU6GMFRS6ZA	DIODE , HEAT SINK ASS'Y (CMY2A294+KBU6GMF)	KBU6GMF+CMY2A294	1
	CHD5A012JR	SCREW		1
	CMY2A294	HEAT SINK , DIODE AVR755		1
	CVDKBU6GMFRS6	DIODE , BRIDGE(RS-6 KINK TYPE)	KBU6GMFRS6 , DELTA	1
	K8AYG6260	COMPOUND , SILICONE		0,2
D3101	CVDRS1004ZA	DIODE HEAT SINK ASS'Y(BRIDGE D , RS1004+CMY2A294)	RS1004+CMY2A294 , DELTA	1
	CHD5A012JR	SCREW		1
	CMY2A294	HEAT SINK , DIODE AVR755		1
	CVDRS1004	DIODE , BRIDGE(RS-10)		1
	K8AYG6260	COMPOUND , SILICONE		0,2
HK3251	CMC1A337	BRACKET , GND SMALL AVR755		1
IC3005	CVIKIA78R06PI	REGULATOR (6V OUTPUT LOW DROP)		1
JA3000	CJJ8A007ZD	JACK , AC INLET(2P, AC054P020A,10A, 250V)		1
JA3001	KJJ7A022Z	OUTLET , AC(EUR/1P)	A302D0061P	1
JA3201	CJJ9L010Z	JACK , IPOD CONNECTOR	MOLEX SD-52986-020	1
JA3251	CJJ9W001Z	JACK , 9P D-SUB FEMALE(RS-232C, SEMCO)		1
JK99	CJJ9B001Z	JACK, DC POWER (3PIN / 1.GND 2.OPEN 3.DC POWER)	DS-201S-3	1
N3007	CWB1B004250GN	WIRE , ASS'Y		1
N3018	CWBAVR755N102	3P WIRE ASS'Y(400MM, 3.96MM)		1
N3206	CJP11GB99ZM	WAFER		1

Ref. #	Part Number	Description	Value	Qty
N3525	CJP10GB99ZY	WAFER		1
N3600	CJP02GA19ZY	WAFER , 2PIN	CJP02GA19ZY	1
P3001	CJP03GA90ZY	WAFER		1
P3002	CJP05GA01ZY	WAFER(YMW025-05R)		1
P3003	CJP11GA47ZW	WAFER(11P, ST 2MM)		1
P3004	CJP06GA90ZM	WAFER(6P, 3.96MM)		1
P3005	CJP02GA89ZM	WAFER		1
P3006	CJP02KA060ZY	WAFER		1
P3018	CJP06GA01ZY	WAFER , 6PIN		1
P3205	CJP05GA47ZW	WAFER,2mm		1
P3250	CJP04GA47ZW	WAFER(4P, ST 2MM)		1
P3535	CJP10GA98ZY	WAFER		1
RY3000	CSL1C005ZE	RELAY (DC 5V, 1C1P)	HL3-1A-5SH	1
R3008	CRG2ANJ330H	RES , METAL OXIDE FILM	33 OHM 2W J	1
R3014	CRG1ANJ4R7H	RES , METAL OXIDE FILM	4.7 OHM 1W J	1
R3015	CRG1ANJ4R7H	RES , METAL OXIDE FILM	4.7 OHM 1W J	1
R3016	CRG1ANJ100H	RES , METAL OXIDE FILM	10 OHM 1W J	1
T3001	CLT5I021ZW	TRANS , SUB		1

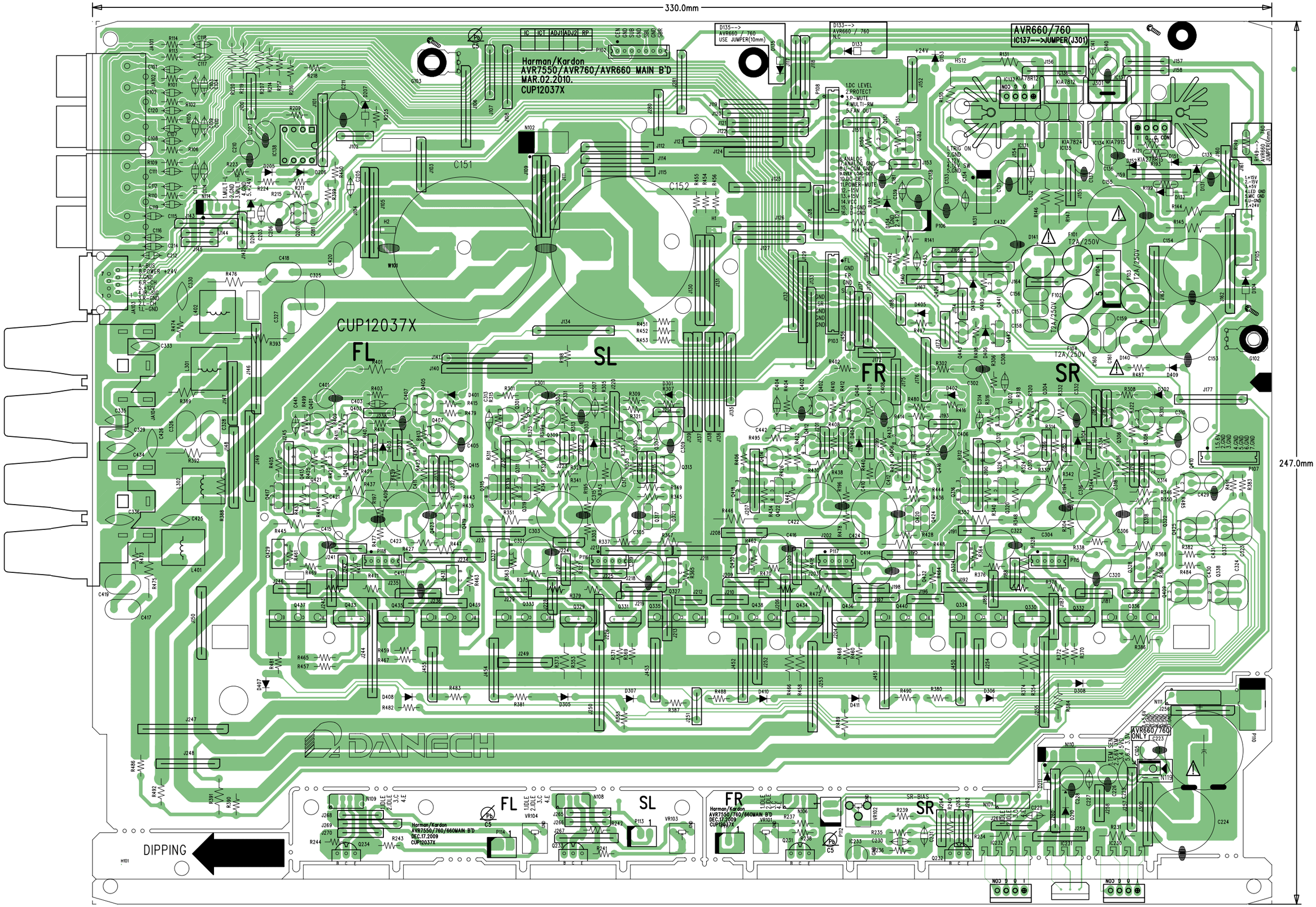
Ref. #	Part Number	Description	Value	Qty
	COP12045B	**AVR755 VIDEO PCB ASS'Y**		**1**
BD1501	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD1502	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD1503	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
BD1504	CLZ9R010Z	BEAD , FERRITE (FCM2012KF-121T08 , 120 OHM)	FCM2012KF-121T08 120ohm 2012	1
C1524	CCUS1H331JA	CAP , CHIP	330PF 50V J	1
C1530	CCUS1H331JA	CAP , CHIP	330PF 50V J	1
C1531	CCUS1H561JA	CAP , CHIP	560PF 50V J	1
C1533	CCUS1H331JA	CAP , CHIP	330PF 50V J	1
C1575	CCUS1H471JA	CAP , CHIP	470PF 50V J	1
C1576	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1577	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1578	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1579	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1580	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C1583	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1585	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C1588	CCUS1H300JA	CAP , CHIP	30pF +/-5% 50V COG 0603	1
C1589	CCUS1H270JA	CAP , CHIP	27PF 50V J	1
C1590	CCUS1H100JA	CAP , CHIP	10PF 50V J	1
C1593	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C1594	CCUS1H103KC	CAP , CHIP	0.01UF 50V K	1
C1596	CCUS1H390JA	CAP , CHIP	39PF 50V J	1
C1597	CCUS1H390JA	CAP , CHIP	39PF 50V J	1
C1598	CCUS1H390JA	CAP , CHIP	39PF 50V J	1
C1599	CCUS1H390JA	CAP , CHIP	39PF 50V J	1
C1601	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1602	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1603	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1606	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1609	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1610	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1611	CCUS1H101JA	CAP , CHIP	100PF 50V J	1
C1613	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1615	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1622	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1623	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1656	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1660	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
C1664	CCUS1H104KC	CAP , CHIP	0.1UF 50V K	1
D1501	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D1502	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D1503	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D1504	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D1505	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D1506	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D1507	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D1508	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D1509	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D1510	CVDPG05GBUSCRTKP	DIODE , ESD PROTECTION USC	PG05GBUSC-RTK/P , KEC	1
D1511	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
D1512	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
D1513	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
D1514	HVD1SS355T	DIODE , CHIP	1SS355TE-17	1
IC1501	HVINJM2296M	I.C , VIDEO SW	NJM2296M	1
IC1502	HVINJM2296M	I.C , VIDEO SW	NJM2296M	1
IC1503	HVINJM2296M	I.C , VIDEO SW	NJM2296M	1
IC1504	HVINJM2296M	I.C , VIDEO SW	NJM2296M	1
IC1505	CVINJM2505AFTE1	I.C , VIDEO AMP(4.5~9.0V , 200MW , MTP5)	NJM2505AF-TE1 , JRC	1
IC1506	CVINJM2505AFTE1	I.C , VIDEO AMP(4.5~9.0V , 200MW , MTP5)	NJM2505AF-TE1 , JRC	1
IC1507	CVINJM2505AFTE1	I.C , VIDEO AMP(4.5~9.0V , 200MW , MTP5)	NJM2505AF-TE1 , JRC	1
IC1513	CVIBU4094BCF	I.C , CMOS SOP-16	BU4094BCF-E2	1

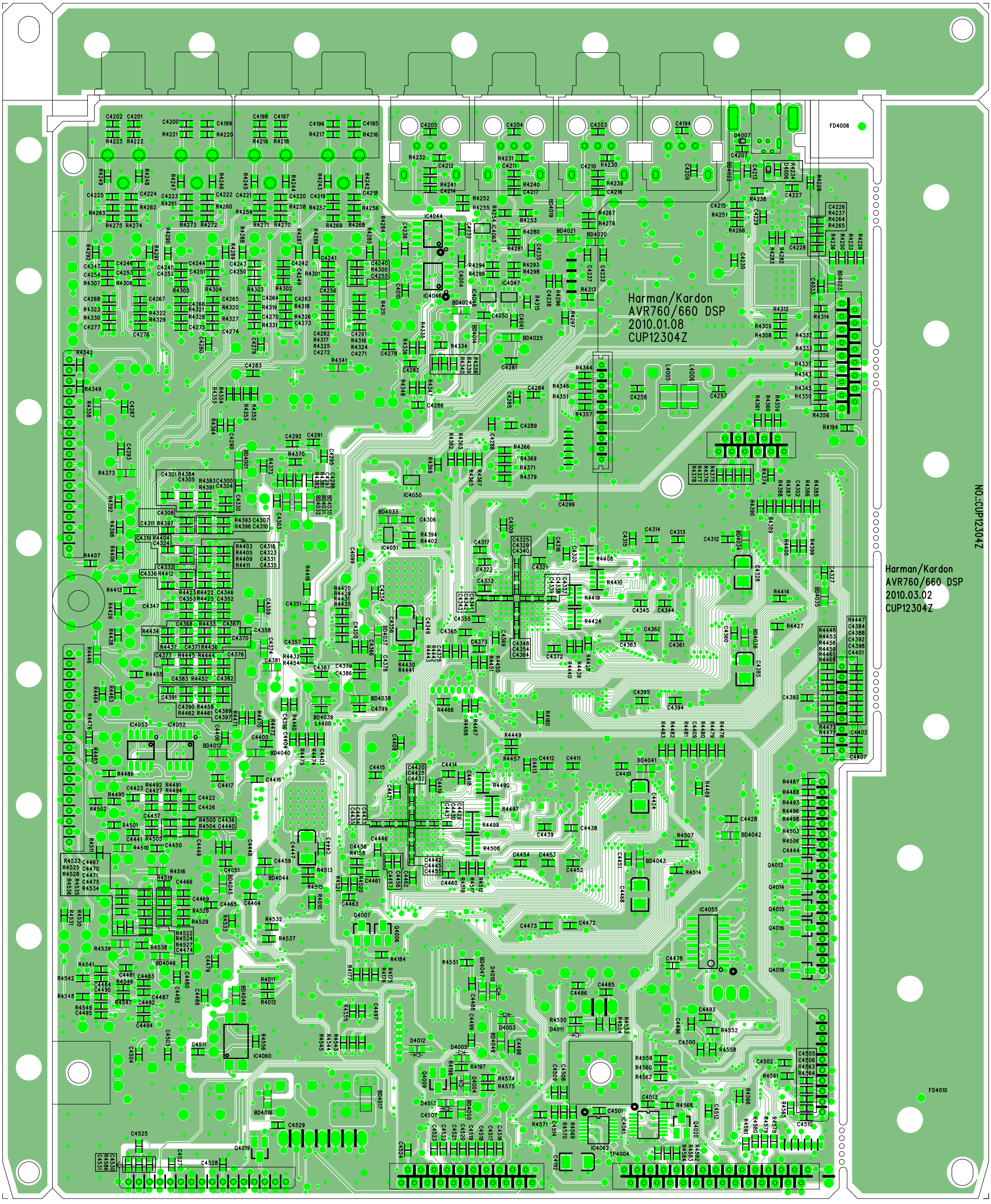
Ref. #	Part Number	Description	Value	Qty
IC1514	CVIBU4094BCF	I.C , CMOS SOP-16	BU4094BCF-E2	1
IC1518	HVILC74763M	I.C , OSD	LC74763M-9602-E	1
IC1519	CVIMM1505XNRE	I.C , VIDEO SW(2IN-1OUT, SOT-26)	MM1505XNRE , MITSUMI	1
IC1521	HVINJM2586AMTE1	I.C , VIDEO SW	NJM2586	1
P1501	CJP40GA226ZB	FAM2501-4001A01BAB 2.54MM 40P	FAH250	1
Q1505	HVTKRA107S	TR, CHIP	KRA107S-RTK/P	1
Q1506	HVTKRC107S	T.R , CHIP	KRC107S-RTK/P	1
R1500	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R1501	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R1502	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R1503	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R1504	CRJ10DF78R7T	RES, CHIP 78.7 OHM/1608/1%	78.7 ohm 1/16W 1% 0603	1
R1505	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R1506	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R1507	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R1508	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 OHM, 1%	1
R1509	CRJ10DJ1R0T	RES , CHIP	1 ohm 1/16W 5% 0603	1
R1510	CRJ10DJ1R0T	RES , CHIP	1 ohm 1/16W 5% 0603	1
R1511	CRJ10DJ1R0T	RES , CHIP	1 ohm 1/16W 5% 0603	1
R1512	CRJ10DJ1R0T	RES , CHIP	1 ohm 1/16W 5% 0603	1
R1513	CRJ10DJ1R0T	RES , CHIP	1 ohm 1/16W 5% 0603	1
R1514	CRJ10DJ1R0T	RES , CHIP	1 ohm 1/16W 5% 0603	1
R1515	CRJ10DJ1R0T	RES , CHIP	1 ohm 1/16W 5% 0603	1
R1516	CRJ10DJ1R0T	RES , CHIP	1 ohm 1/16W 5% 0603	1
R1517	CRJ10DJ822T	RES , CHIP	8K2 ohm 1/16W 5% 0603	1
R1518	CRJ10DJ822T	RES , CHIP	8K2 ohm 1/16W 5% 0603	1
R1519	CRJ10DJ154T	RES , CHIP	150K ohm 1/16W 5% 0603	1
R1520	CRJ10DJ271T	RES , CHIP	270 ohm 1/16W 5% 0603	1
R1521	CRJ10DJ0R0T	RES , CHIP	0 ohm 1/16W 0% 0603	1
R1536	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1537	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1538	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1542	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1543	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1544	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1545	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1546	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1547	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1549	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1551	CRJ10DF78R7T	RES, CHIP 78.7 OHM/1608/1%	78.7 ohm 1/16W 1% 0603	1
R1552	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1553	CRJ10DF78R7T	RES, CHIP 78.7 OHM/1608/1%	78.7 ohm 1/16W 1% 0603	1
R1554	CRJ10DF78R7T	RES, CHIP 78.7 OHM/1608/1%	78.7 ohm 1/16W 1% 0603	1
R1555	CRJ10DF78R7T	RES, CHIP 78.7 OHM/1608/1%	78.7 ohm 1/16W 1% 0603	1
R1556	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1557	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1558	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1559	CRJ10DJ680T	RES , CHIP	68 ohm 1/16W 5% 0603	1
R1560	CRJ10DJ2R7T	RES , CHIP	2R7 ohm 1/16W 5% 0603	1
R1561	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1562	CRJ10DJ121T	RES , CHIP	120 ohm 1/16W 5% 0603	1
R1563	CRJ10DJ121T	RES , CHIP	120 ohm 1/16W 5% 0603	1
R1564	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1565	CRJ10DJ682T	RES , CHIP	6K8 ohm 1/16W 5% 0603	1
R1566	CRJ10DJ152T	RES , CHIP	1K5 ohm 1/16W 5% 0603	1
R1567	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1568	CRJ10DJ224T	RES , CHIP	220K ohm 1/16W 5% 0603	1
R1569	CRJ10DJ124T	RES , CHIP	120K ohm 1/16W 5% 0603	1
R1570	CRJ10DJ121T	RES , CHIP	120 ohm 1/16W 5% 0603	1
R1571	CRJ10DJ105T	RES , CHIP	1M ohm 1/16W 5% 0603	1
R1572	CRJ10DJ105T	RES , CHIP	1M ohm 1/16W 5% 0603	1
R1577	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1578	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1579	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1580	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1581	CRJ10DJ392T	RES . CHIP	3K9 ohm 1/16W 5% 0603	1
R1584	CRJ10DJ333T	RES , CHIP	33K ohm 1/16W 5% 0603	1
R1585	CRJ10DJ222T	RES , CHIP	2K2 ohm 1/16W 5% 0603	1
R1586	CRJ10DJ680T	RES , CHIP	68 ohm 1/16W 5% 0603	1
R1587	CRJ10DJ682T	RES , CHIP	6K8 ohm 1/16W 5% 0603	1
R1588	CRJ10DJ103T	RES , CHIP	10K ohm 1/16W 5% 0603	1
R1591	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1592	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1593	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1594	CRJ10DJ123T	RES , CHIP	12K ohm 1/16W 5% 0603	1
R1595	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1596	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1597	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1600	CRJ10DJ123T	RES , CHIP	12K ohm 1/16W 5% 0603	1
R1602	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1603	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1604	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1605	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1606	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1607	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1608	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1

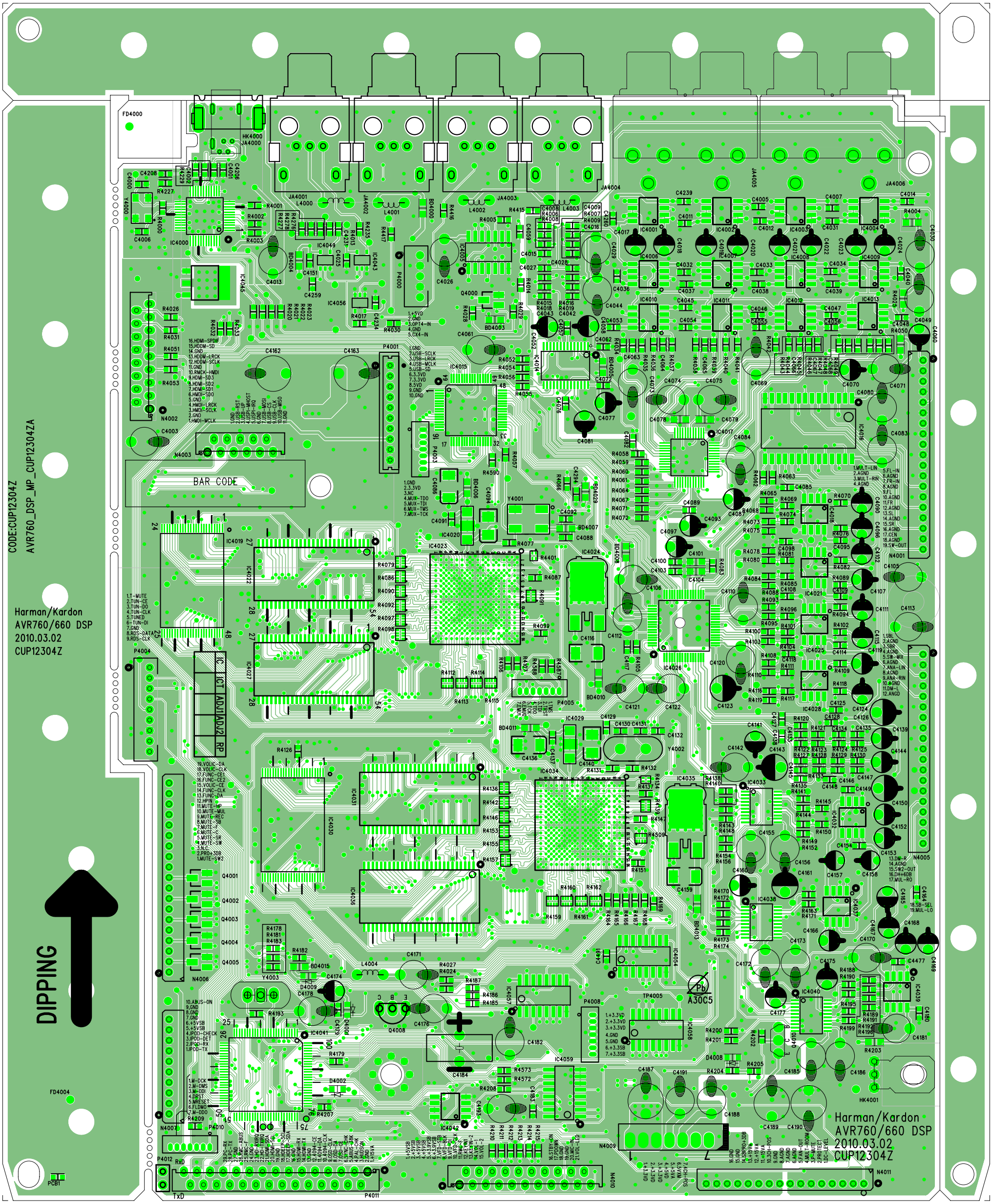
Ref. #	Part Number	Description	Value	Qty
R1609	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1610	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1618	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1619	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1620	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1621	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1622	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1623	CRJ10DF75R0T	RES, CHIP 1% 75 OHM	75 ohm 1/16W 1% 0603	1
R1632	CRJ10DJ102T	RES , CHIP	1K ohm 1/16W 5% 0603	1
R1633	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R1635	CRJ10DJ750T	RES , CHIP	75 ohm 1/16W 5% 0603	1
R1636	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R1637	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R1638	CRJ10DJ750T	RES , CHIP	75 ohm 1/16W 5% 0603	1
R1639	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R1640	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R1641	CRJ10DJ750T	RES , CHIP	75 ohm 1/16W 5% 0603	1
R1642	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
R1643	CRJ10DJ101T	RES , CHIP	100 ohm 1/16W 5% 0603	1
C1501	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1502	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C1503	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1504	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1505	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1506	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C1507	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1508	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1509	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C1510	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1511	CCEA1AH471T	CAP , ELECT	470UF 10V	1
C1512	CCEA1AH471T	CAP , ELECT	470UF 10V	1
C1513	CCEA1AH471T	CAP , ELECT	470UF 10V	1
C1514	CCEA1AH471T	CAP , ELECT	470UF 10V	1
C1515	CCEA1AH471T	CAP , ELECT	470UF 10V	1
C1516	CCEA1AH471T	CAP , ELECT	470UF 10V	1
C1517	CCEA1AH471T	CAP , ELECT	470UF 10V	1
C1518	CCEA1AH471T	CAP , ELECT	470UF 10V	1
C1519	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1520	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1521	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1522	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C1523	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C1528	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C1529	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C1532	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C1566	CCEA0JH102T	CAP , ELECT	1000UF 6.3V	1
C1567	CCEA0JH102T	CAP , ELECT	1000UF 6.3V	1
C1568	CCEA1CH470T	CAP , ELECT	47UF 16V	1
C1572	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1573	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1574	CCEA0JH102T	CAP , ELECT	1000UF 6.3V	1
C1581	CCEA1HH2R2T	CAP , ELECT	2.2UF 50V	1
C1582	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C1584	CCEA1AH101T	CAP , ELECT	100UF 10V	1
C1586	CCEA1HH1R0T	CAP , ELECT	1UF 50V	1
C1587	HCQI1H223JZT	CAP , MYLAR	0.022UF 50V J	1
C1591	CCEA1HHR47T	CAP , ELECT	0.47UF 50V	1
C1592	HCQI1H682JZT	CAP , MYLAR	6800PF 50V J	1
C1595	CCEA1AH101T	CAP , ELECT	100UF 10V	1
C1600	CCEA1HH1R0T	CAP , ELECT	1UF 50V	1
C1604	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1605	CCEA1CH101T	CAP , ELECT	100UF 16V	1
C1614	CCEA1CH470T	CAP , ELECT	47UF 16V	1
C1616	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C1617	CCEA1CH470T	CAP , ELECT	47UF 16V	1
C1620	CCEA1AH101T	CAP , ELECT	100UF 10V	1
C1621	CCEA1AH101T	CAP , ELECT	100UF 10V	1
C1624	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1625	CCEA1AH331T	CAP , ELECT	330UF 10V	1
C1626	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1627	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1628	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1629	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1651	CCEA1HH1R0T	CAP , ELECT	1UF 50V	1
C1652	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1653	CCEA1AH221T	CAP , ELECT	220UF 10V	1
C1654	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C1655	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C1657	CCEA1CH470T	CAP , ELECT	47UF 16V	1
C1658	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C1659	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C1661	CCEA1CH470T	CAP , ELECT	47UF 16V	1
C1662	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C1663	CCEA1HH100T	CAP , ELECT	10UF 50V	1
C1665	CCEA1CH470T	CAP , ELECT	47UF 16V	1
C1666	CCEA1AH221T	CAP , ELECT	220UF 10V	1

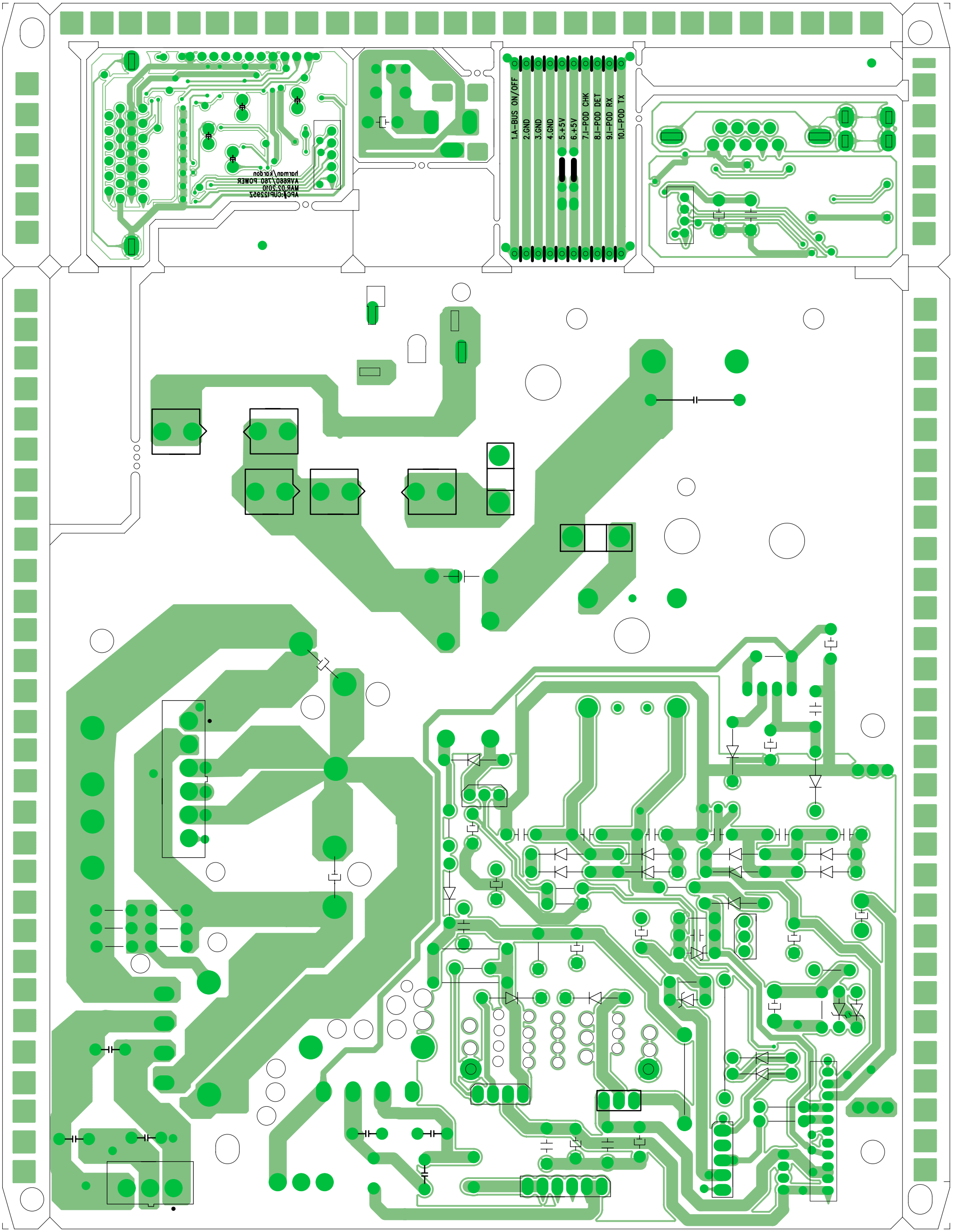
Ref. #	Part Number	Description	Value	Qty
C1667	CCEA1HH100T	CAP , ELECT	10UF 50V	1
L1502	CLQ03D470JT	COIL , RADIAL (47UH, 5%, 2.7 OHM, 192mA, 5.0MM)	EL0606RA-470J-PF , TDK	1
L1503	KLQ5R6J405T	COIL, PEAKING(RADIAL)	5.6UH J 4X5	1
L1504	CLQ03D470JT	COIL , RADIAL (47UH, 5%, 2.7 OHM, 192mA, 5.0MM)	EL0606RA-470J-PF , TDK	1
L1505	CLQ03D470JT	COIL , RADIAL (47UH, 5%, 2.7 OHM, 192mA, 5.0MM)	EL0606RA-470J-PF , TDK	1
L1506	CLQ03D470JT	COIL , RADIAL (47UH, 5%, 2.7 OHM, 192mA, 5.0MM)	EL0606RA-470J-PF , TDK	1
L1507	CLQ03D470JT	COIL , RADIAL (47UH, 5%, 2.7 OHM, 192mA, 5.0MM)	EL0606RA-470J-PF , TDK	1
Q1501	HVTKTC3199YT	T.R	KTC3199Y	1
Q1502	HVTKTC3199YT	T.R	KTC3199Y	1
Q1503	HVTKTA1267YT	T.R	KTA1267Y	1
Q1504	HVTKTA1267YT	T.R	KTA1267Y	1
IC1517	HVIKIA7806API	I.C , REGULATOR +6V	KIA7806API TO-220AB	1
JA1500	CJJ9R002Z	JACK , RCA/DIN (3P, 304A, YLx3, S-VHSx3, AU PL)	RCA/DIN-304AGGG-01	1
JA1501	CJJ9P004Z	JACK , RCA/DIN (2P, 220A, YLx2, S-VHSx2, AU PL)	RCA/DIN-220AGGG-01	1
JA1502	CJJ4M063Z	JACK , RCA/DIN (1P, R102D04, YL, AU PL)	R102-D04AGG(VI)-01	1
JA1503	CJJ4R036Y	JACK , RCA (6P, 610A, RD BL GN x 2, AU PL)	RCA-610AG-00-32G	1
JA1504	CJJ4R036Y	JACK , RCA (6P, 610A, RD BL GN x 2, AU PL)	RCA-610AG-00-32G	1
K1500	CSL4C010ZE	RELAY , D3009(1-1462033-4) ,TYCO	D3009(1-1462033-4)	1
K1501	CSL4C010ZE	RELAY , D3009(1-1462033-4) ,TYCO	D3009(1-1462033-4)	1
N1504	CWBAVR755N1504	6P WIRE ASS'Y(500MM, 2.0MM)		1
P1500	CJP05GB48ZW	WAFER	GIL-S-05P-S2L2-EF 5P	1
X1501	HOX14318E220C	CRYSTAL	14.31818MHz HC-49/S WOOIN	1
X1502	HOX17734E220C	CRYSTAL	17.734475MHz HC-49/S WOOIN	1

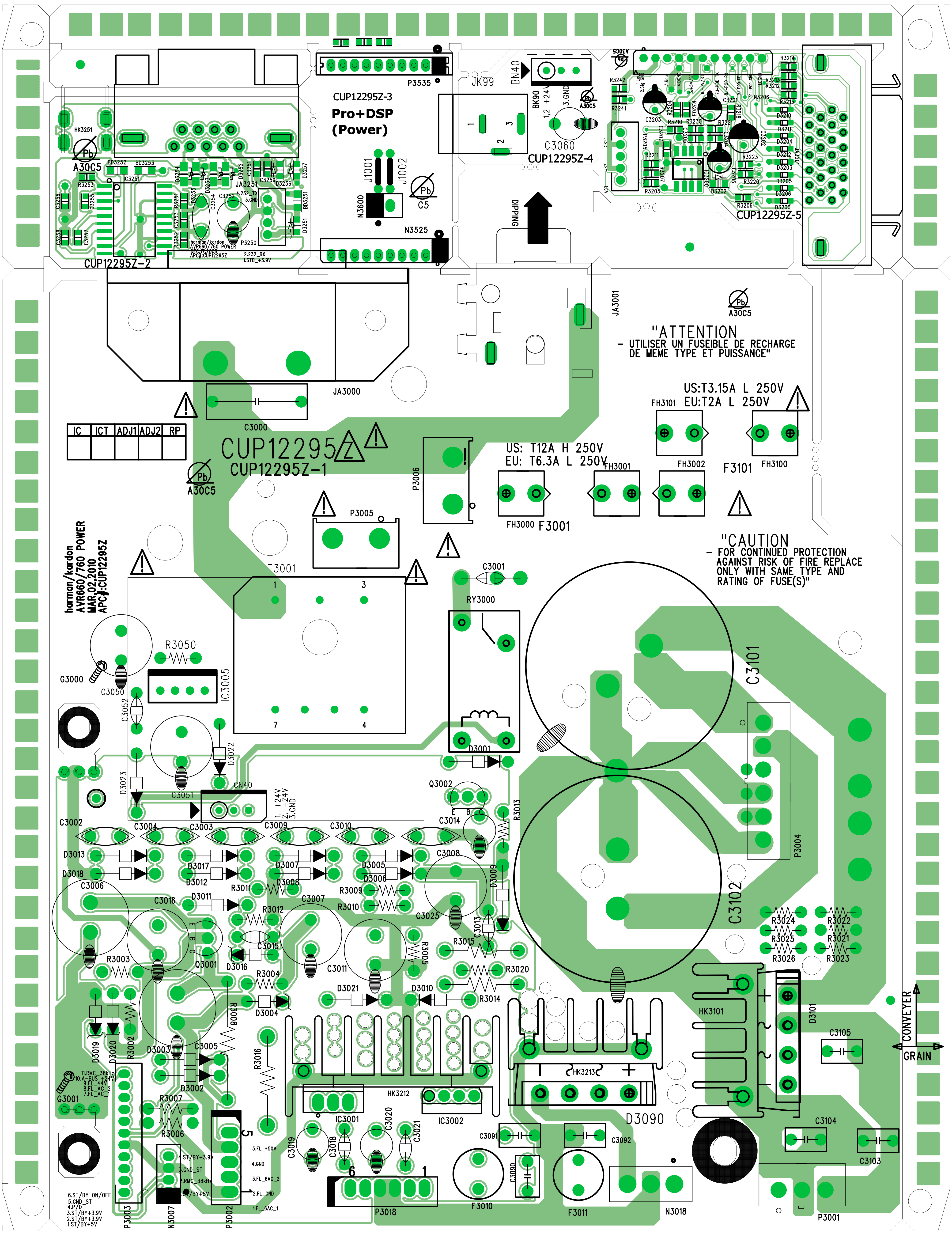
Ref. #	Part Number	Description	Value	Qty
	COP12050B	**AVR755 SUB PCB ASS'Y**		**1**
C5501	KCME2E104JP04T	CAP , METALLIZED FILM	100NF 250V 20% CPM	1
C5502	KCME2E104JP04T	CAP , METALLIZED FILM	100NF 250V 20% CPM	1
C5503	KCME2E104JP04T	CAP , METALLIZED FILM	100NF 250V 20% CPM	1
C5510	HCQI1H473JZT	CAP , MYLAR	0.047UF 50V J	1
C5511	HCQI1H473JZT	CAP , MYLAR	0.047UF 50V J	1
C5512	HCQI1H473JZT	CAP , MYLAR	0.047UF 50V J	1
F5501	CBA2D4000A2EYT	FUSE (LITTLE FUSE 382 SERIES) 4A 250V		1
F5502	CBA2D4000A2EYT	FUSE (LITTLE FUSE 382 SERIES) 4A 250V		1
D5500	CVDRS1004	DIODE , BRIDGE(RS-10)	RS1004 RS-10	1
D5502	CVDKBU6GMFRS6	DIODE , BRIDGE(RS-6 KINK TYPE)	KBU6GMFRS6 , DELTA	1
N4008	CWB1B003100GN	3P WIRE ASS'Y(100MM, 2.0MM)		1
N5501	CWBAVR755N5501	WIRE , ASS'Y		1
N5503	CJP04GB99ZM	WAFER	35237-0410 2.0mm 4P WHT	1
N5504	CJP04GB99ZM	WAFER	35237-0410 2.0mm 4P WHT	1
N5505	CJP04GB99ZM	WAFER	35237-0410 2.0mm 4P WHT	1
N5506	CJP04GB99ZM	WAFER	35237-0410 2.0mm 4P WHT	1
N5507	CJP07GB99ZY	HOUSING	35237-0710 2.0mm 7P WHT	1
P5001	CJP03GA90ZY	WAFER	35313-0310 3.96mm 3P	1
P5002	CJP03GA90ZY	WAFER	35313-0310 3.96mm 3P	1
P5502	CJP02KA060ZY	WAFER	YW396-03V 7.92mm 2P	1
P5503	CJP04GA98ZM	WAFER	35336-0410 2.0mm 4P WHT	1
P5504	CJP04GA98ZM	WAFER	35336-0410 2.0mm 4P WHT	1
P5505	CJP04GA98ZM	WAFER	35336-0410 2.0mm 4P WHT	1
P5506	CJP04GA98ZM	WAFER	35336-0410 2.0mm 4P WHT	1
P5507	CJP07GA98ZY	WAFER	35336-0710 2.0mm 7P WHT	1
Q4011	CVILM19CIZ2.4V	I.C , TEMP SENSOR	LM19CIZ2.4V , NATIONAL(T I)	1


330.0mm
247.0mm
Harman/Kardon
AVR7550/AVR760/AVR660 MAIN B'D
MAR.02.2010.
CUP12037X
CUP12037X
FL
SL
FR
SR
AVR660/760
IC137-->JUMPER(J301)
D135--> AVR660 / 760 USE JUMPER(10mm)
D133--> AVR660 / 760 N.C
DANECH
DIPPING
AVR660/760 ONLY

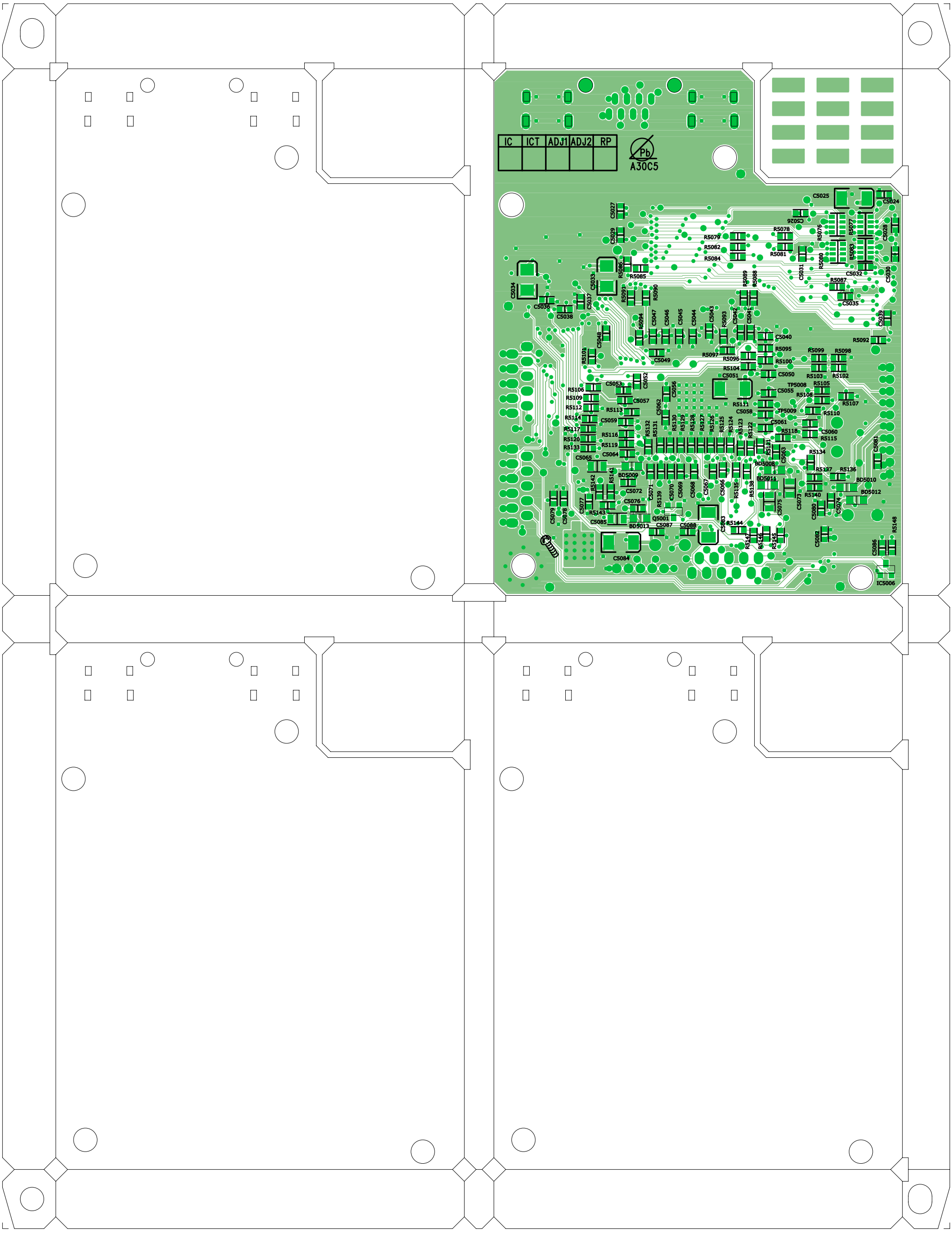

Harman/Kardon
AVR760/660 DSP
2010.01.08
CUP12304Z
Harman/Kardon
AVR760/660 DSP
2010.03.02
CUP12304Z
NO.:CUP12304Z

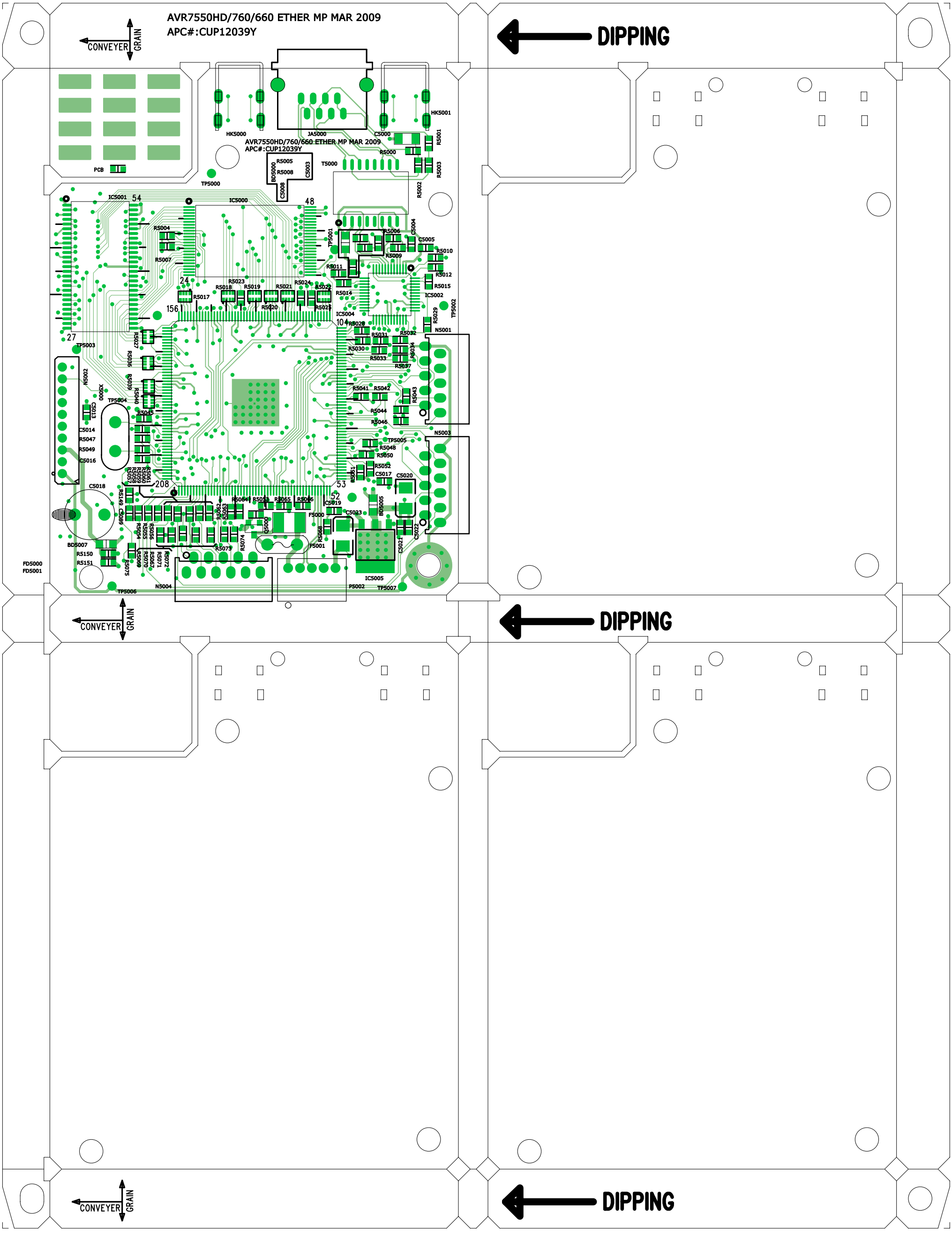

CODE:CUP12304Z
AVR760_DSP_MP_CUP12304ZA
Harman/Kardon
AVR760/660 DSP
2010.03.02
CUP12304Z
DIPPING
BAR CODE
Pb
A30C5
Harman/Kardon
AVR760/660 DSP
2010.03.02
CUP12304Z


1.A-BUS ON/OFF
2.GND
3.GND
4.GND
5.+5V
6.+5V
7.I-POD CHK
8.I-POD DET
9.I-POD RX
10.I-POD TX



power.pcb – Fri Oct 08 10:10:50 2010


IC
ICT
ADJ1
ADJ2
RP
Pb
A30C5
C5025
C5024
C5026
C5027
C5029
R5078
R5079
R5082
R5084
R5081
R5076
R5077
R5083
C5028
R5080
C5031
C5030
C5032
R5087
C5035
C5034
C5033
R5085
R5086
R5089
R5088
R5091
R5090
C5036
C5038
C5037
C5039
R5092
R5094
C5047
C5046
C5045
C5044
C5043
R5093
C5042
C5041
C5040
C5048
R5101
C5049
R5097
R5096
R5095
R5099
R5098
R5100
R5104
C5051
C5050
R5103
R5102
C5052
C5053
R5106
C5056
TP5008
R5105
C5055
R5108
R5107
R5109
C5057
C5062
R5111
C5058
TP5009
R5110
R5112
R5113
C5061
R5114
C5059
R5129
R5128
R5127
R5126
R5125
R5124
R5123
R5122
R5118
C5060
R5115
R5117
R5116
R5132
R5131
R5130
R5121
C5063
C5081
R5120
R5119
R5133
C5064
C5065
R5134
BD5008
R5137
R5136
BD5010
R5141
R5142
BD5009
BD5011
BD5012
C5072
C5071
C5070
C5069
C5068
C5067
C5066
R5135
R5138
C5073
R5140
C5080
C5074
C5076
C5077
R5139
R5143
C5085
Q5001
C5087
C5088
C5083
R5144
R5147
R5146
R5145
C5082
R5148
C5086
C5079
C5078
BD5013
C5084
IC5006


AVR7550HD/760/660 ETHER MP MAR 2009
APC#:CUP12039Y
CONVEYER
GRAIN
DIPPING
AVR7550HD/760/660 ETHER MP MAR 2009
APC#:CUP12039Y
PCB
HK5000
HK5001
JA5000
C5000
R5001
R5000
R5003
T5000
R5002
TP5000
BD5000
R5005
R5008
C5003
C5008
IC5001
IC5000
54
48
R5004
R5007
TP5001
R5006
C5004
C5005
R5009
R5010
R5011
R5012
R5023
R5018
R5019
R5021
R5024
R5022
R5014
R5015
24
R5017
156
R5020
R5025
IC5002
IC5004
TP5002
R5029
104
R5028
R5031
R5032
N5001
27
TP5003
R5027
R5030
R5033
R5034
R5037
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R5039
R5040
R5041
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R5043
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R5045
R5044
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R5046
R5047
N5003
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R5048
C5016
R5050
R5052
R5061
C5017
C5020
R5060
R5058
R5057
208
53
C5018
R5064
R5053
R5065
R5066
52
C5019
BD5005
R5062
R5063
F5000
C5023
R5149
C5006
Q5000
R5068
C5022
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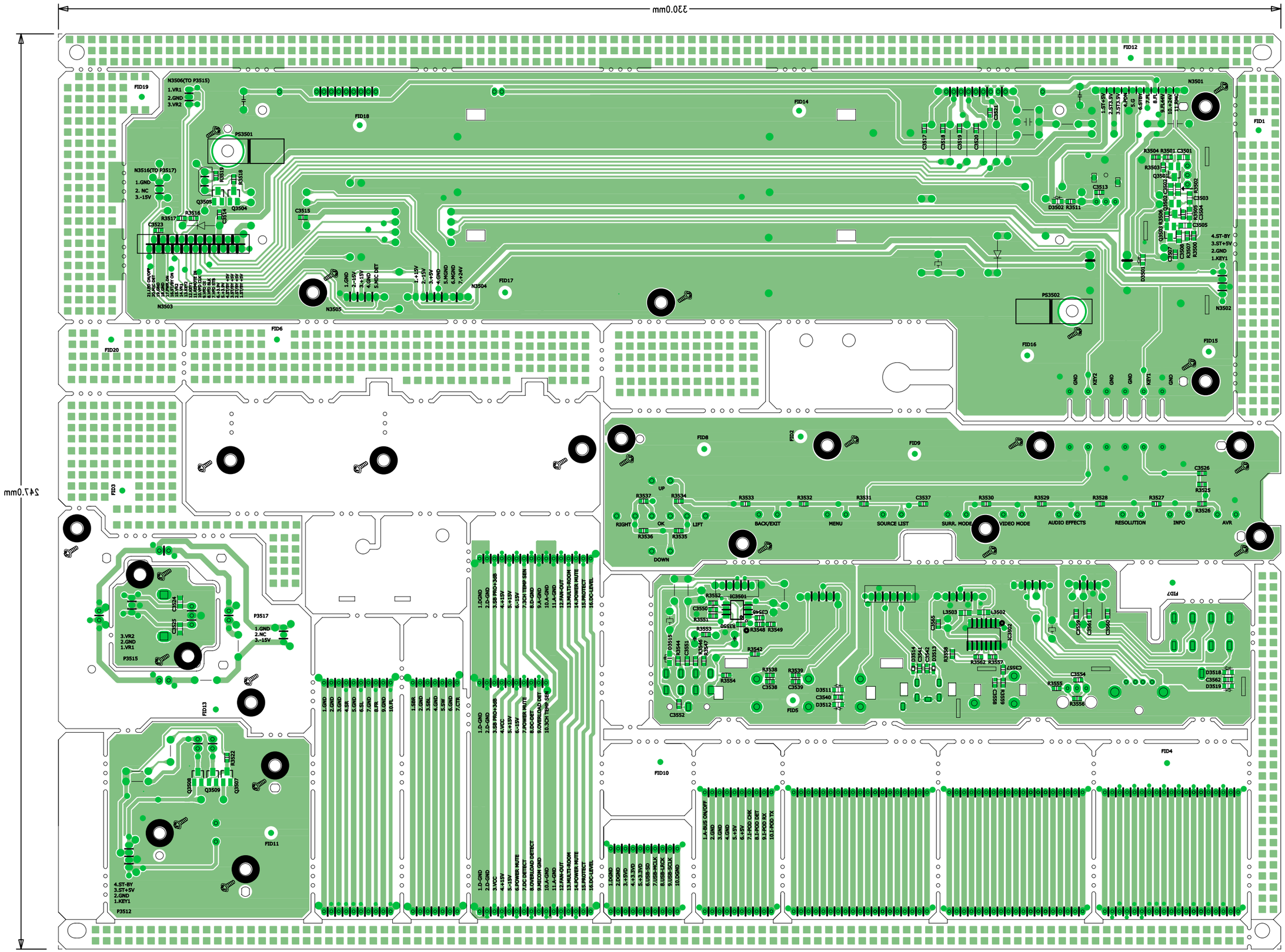
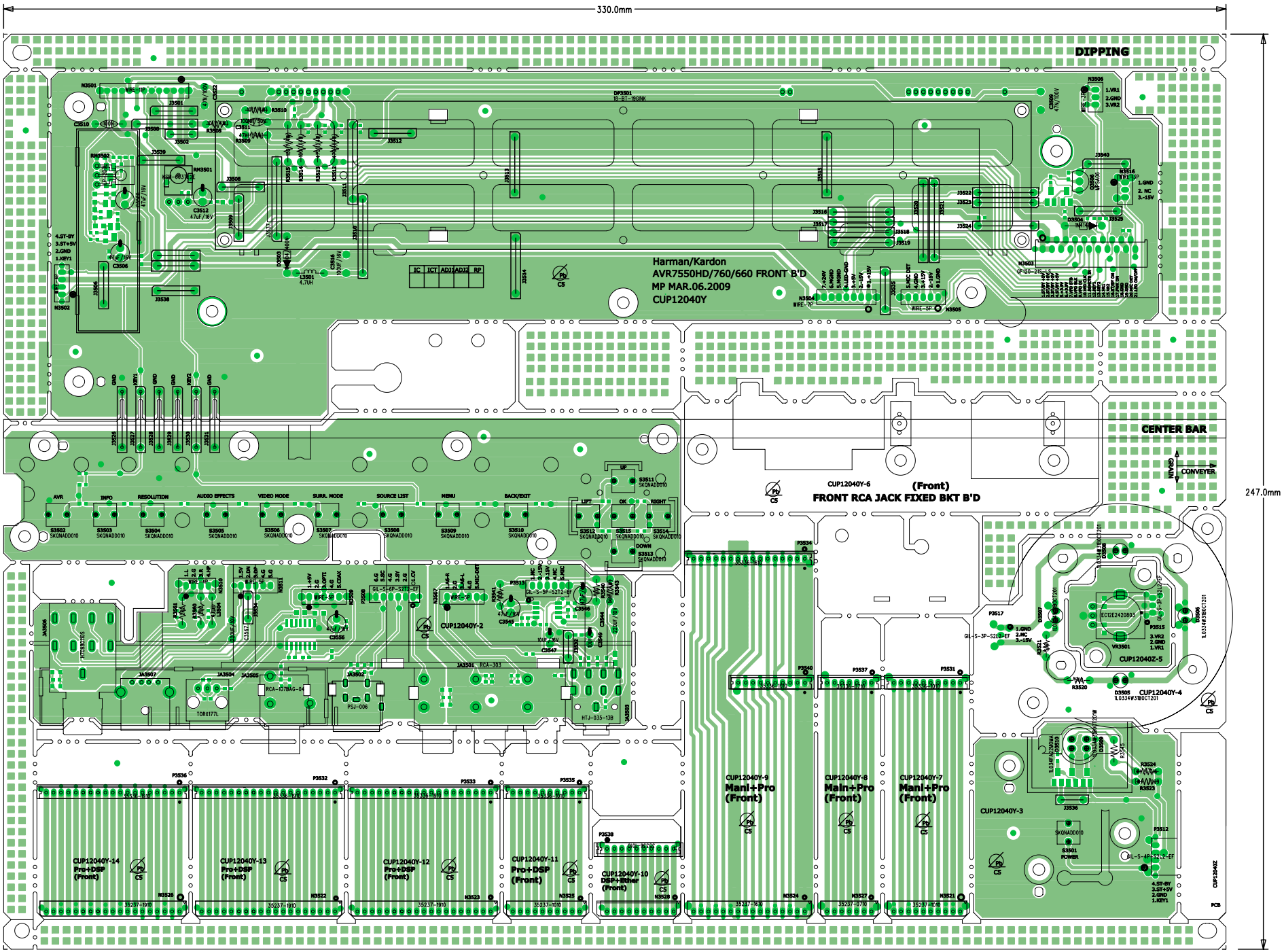
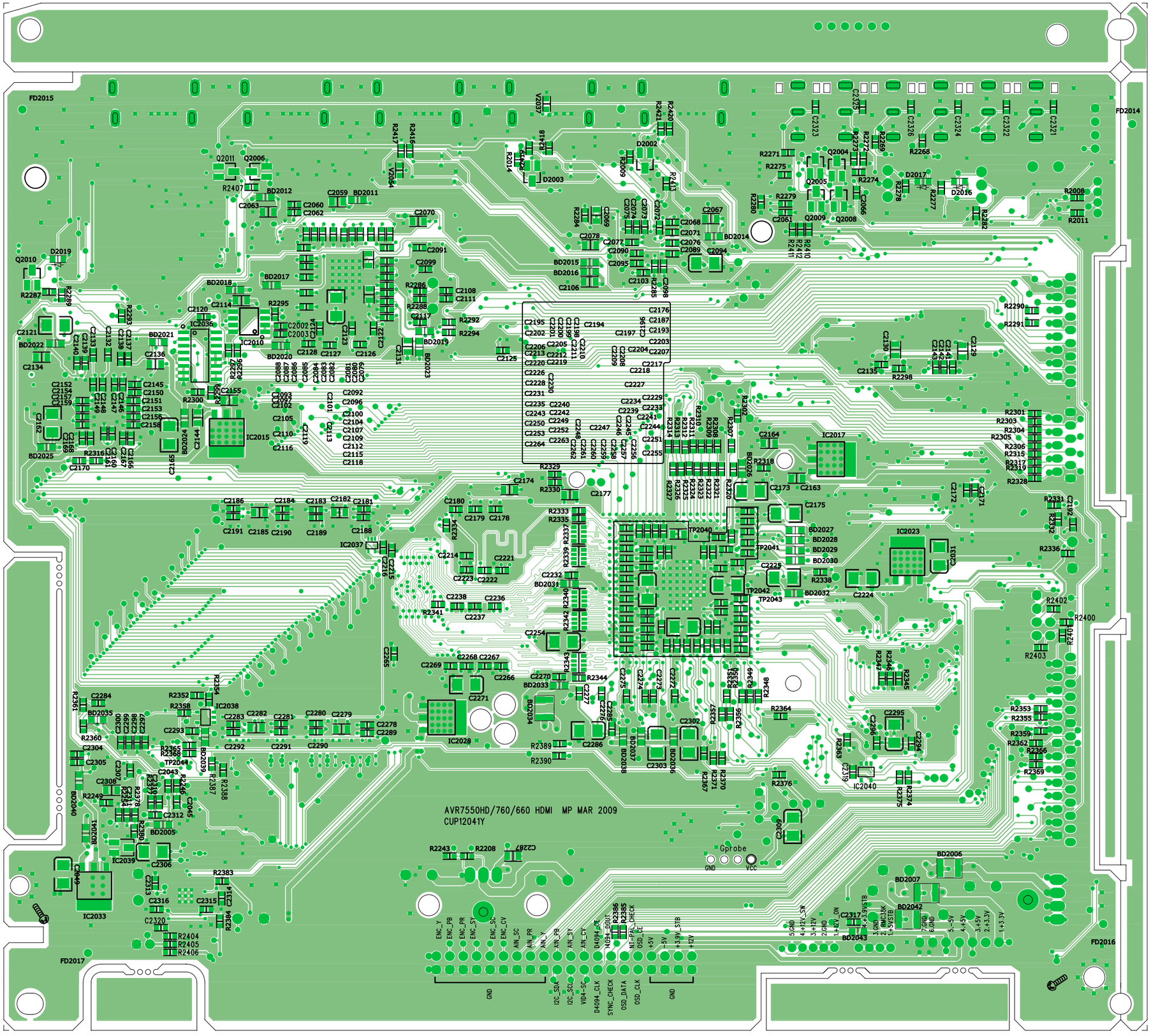
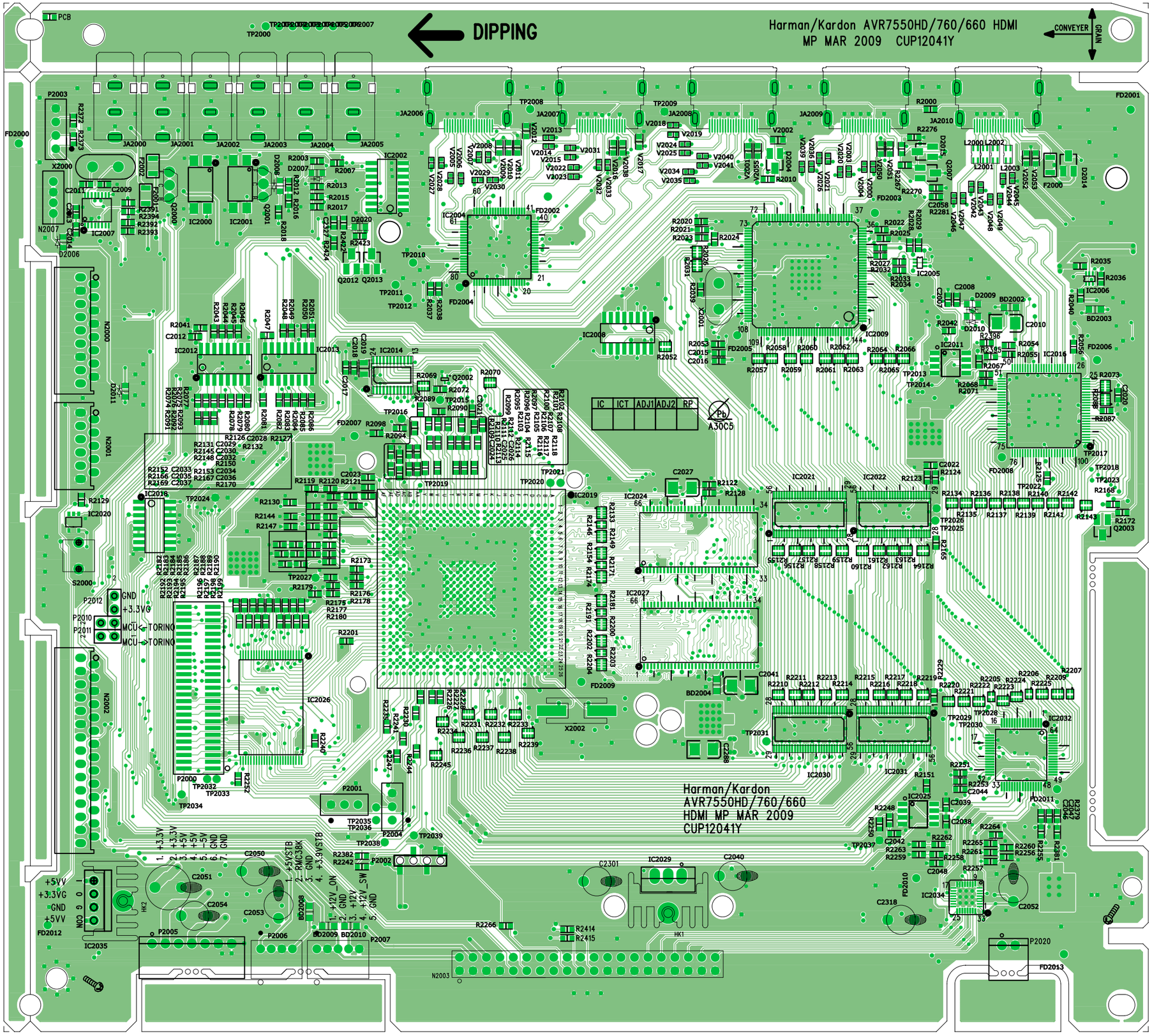
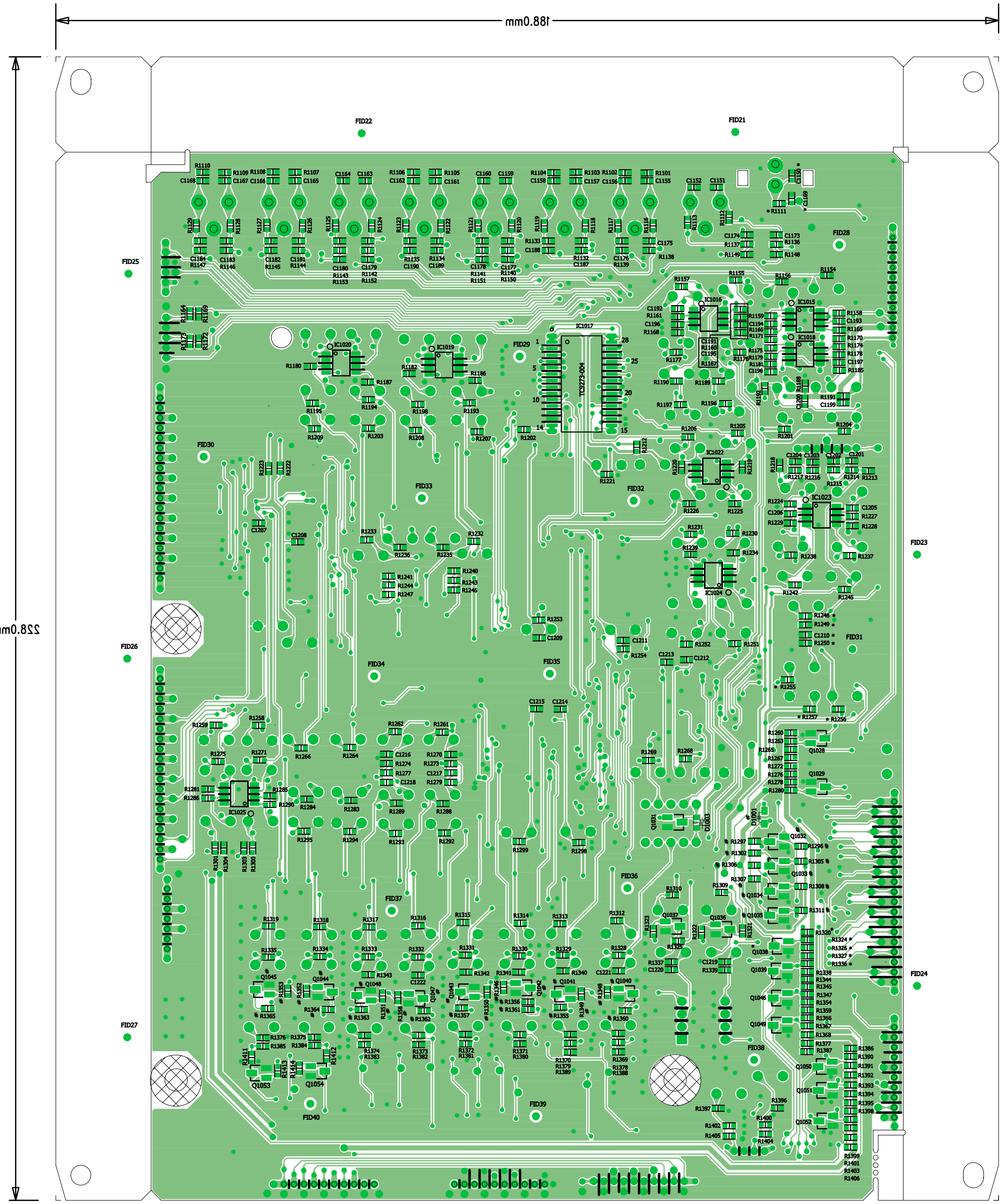
R5056
R5074
C5021
BD5007
R5073
F5001
R5150
R5151
R5070
R5071
R5072
R5069
R5075
FD5000
FD5001
IC5005
N5004
P5002
TP5007
TP5006
CONVEYER
GRAIN
DIPPING
CONVEYER
GRAIN
DIPPING

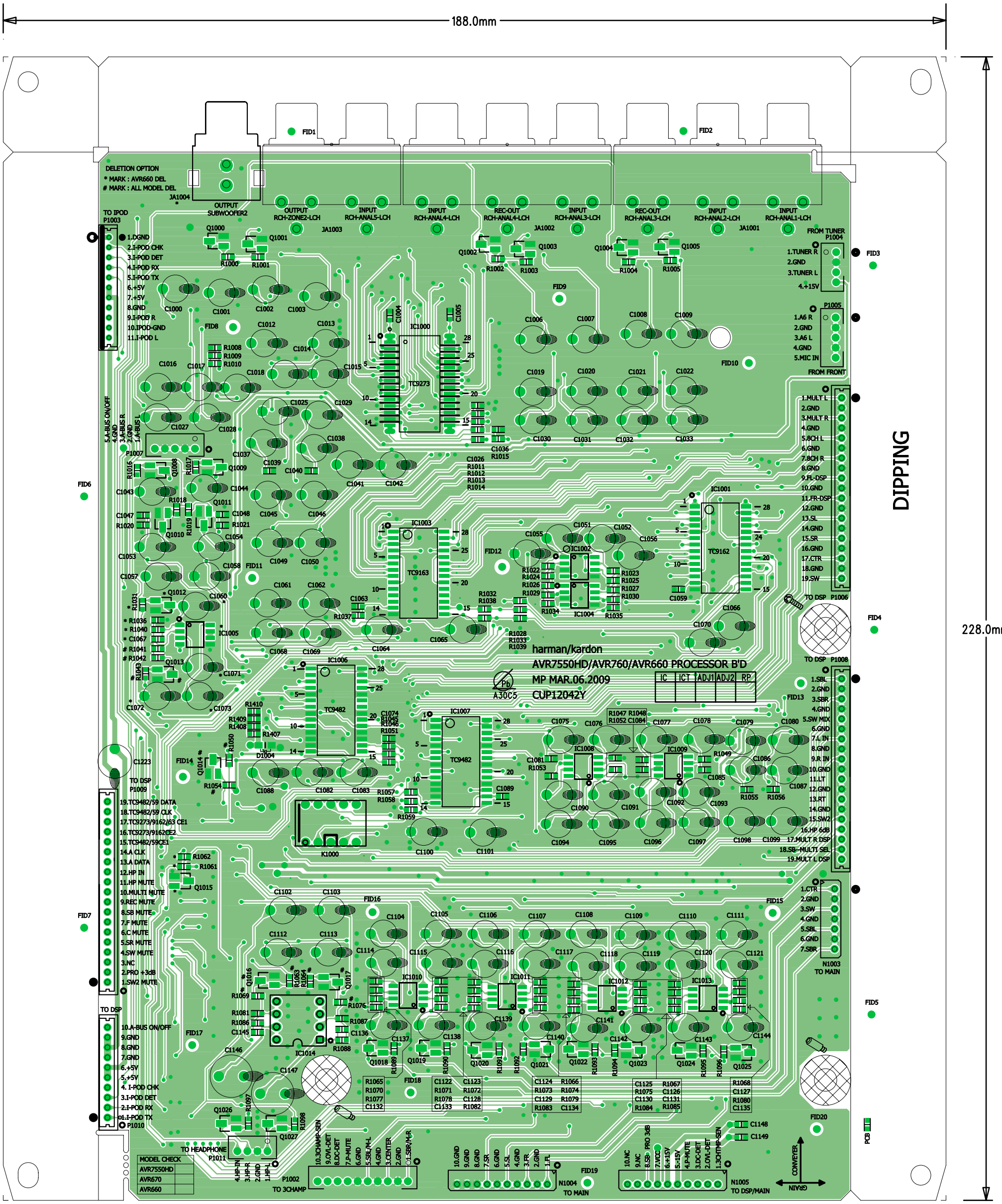

330.0mm
247.0mm
N3506(TO P3515)
1.VR1
2.GND
3.VR2
N3516(TO P3517)
1.GND
2. NC
3.-15V
N3503
N3505
N3504
N3501
N3502
PS3501
PS3502
P3517
P3515
P3512
FID1
FID2
FID3
FID4
FID5
FID6
FID7
FID8
FID9
FID10
FID11
FID12
FID13
FID14
FID15
FID16
FID17
FID18
FID19
FID20
UP
DOWN
RIGHT
OK
LIFT
BACK/EXIT
MENU
SOURCE LIST
SURR. MODE
VIDEO MODE
AUDIO EFFECTS
RESOLUTION
INFO
AVR
GND
KEY2
KEY1
4.ST-BY
3.ST+5V
2.GND
1.KEY1

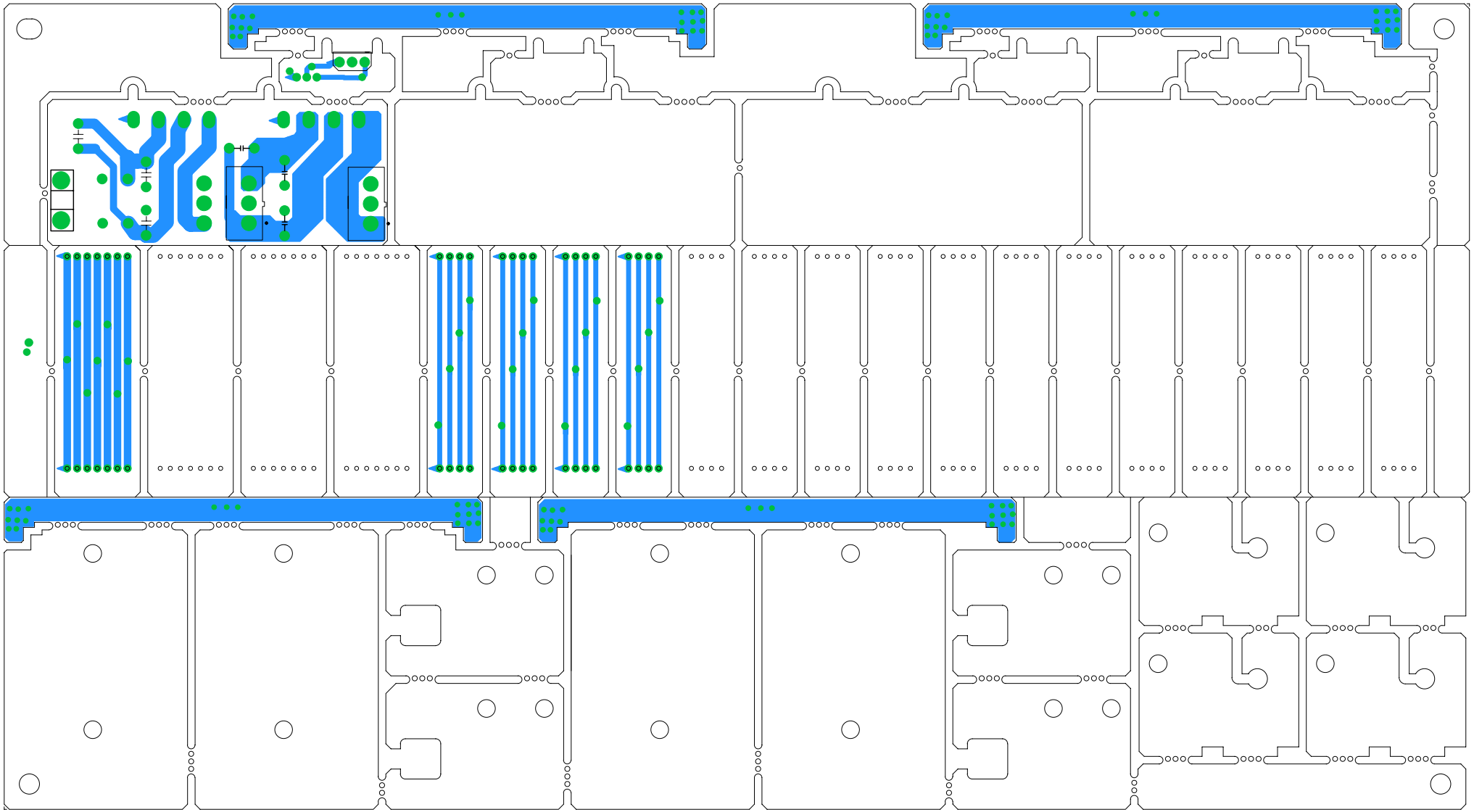

330.0mm
247.0mm
DIPPING
Harman/Kardon
AVR7550HD/760/660 FRONT B'D
MP MAR.06.2009
CUP12040Y
CENTER BAR
CUP12040Y-6
(Front)
FRONT RCA JACK FIXED BKT B'D
CUP12040Y-2
CUP12040Y-5
CUP12040Y-4
CUP12040Y-3
CUP12040Y-9
Mani+Pro
(Front)
CUP12040Y-8
Main+Pro
(Front)
CUP12040Y-7
Mani+Pro
(Front)
CUP12040Y-14
Pre+DSP
(Front)
CUP12040Y-13
Pre+DSP
(Front)
CUP12040Y-12
Pre+DSP
(Front)
CUP12040Y-11
Pre+DSP
(Front)
CUP12040Y-10
DSP+Ether
(Front)

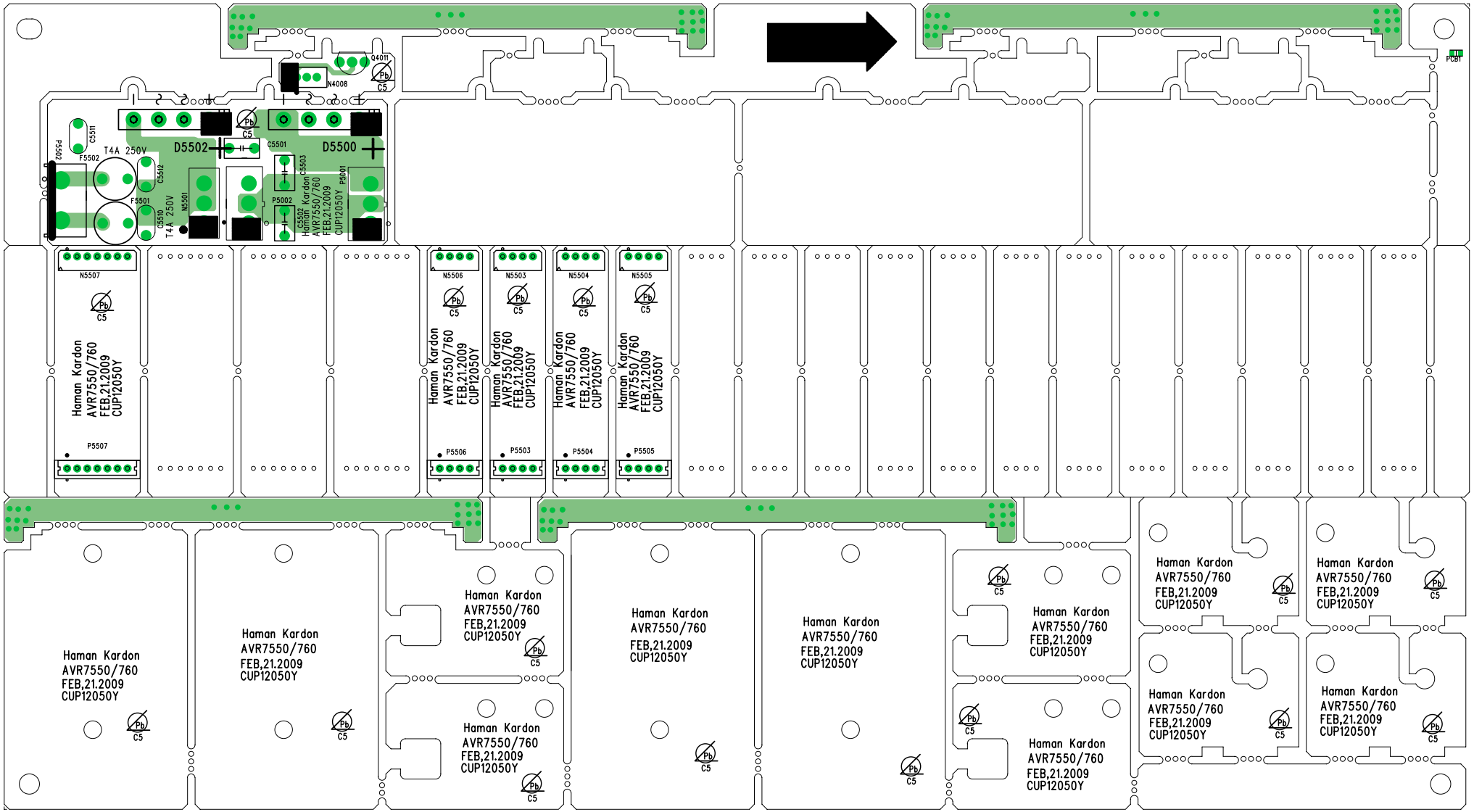

AVR7550HD/760/660 HDMI MP MAR 2009
CUP12041Y
Gprobe
GND
VCC
ENC_Y
ENC_PB
ENC_PR
ENC_SY
ENC_SC
ENC_CV
MN_SC
MN_PR
MN_Y
MN_PB
MN_SY
MN_CV
D4094_OE
D4094_DOUT
NT-PAL_CHECK
OSD_CE
+5V
+5V
+3.3V_STB
+12V
GND
I2C_SDA
I2C_SCL
VD0~5
D4094_CLK
SYNC_CHECK
OSD_DATA
OSD_CLK
GND
5.GND
4.+12V_SW
3.+12V
2.GND
1.+42V_ON
1.+3.3VSTB
2.RMC38K
3.GND
4.+5VSTB
5.+5V
4.+5V
3.+5V
2.+3.3V
1.+3.3V
7.GND
6.GND

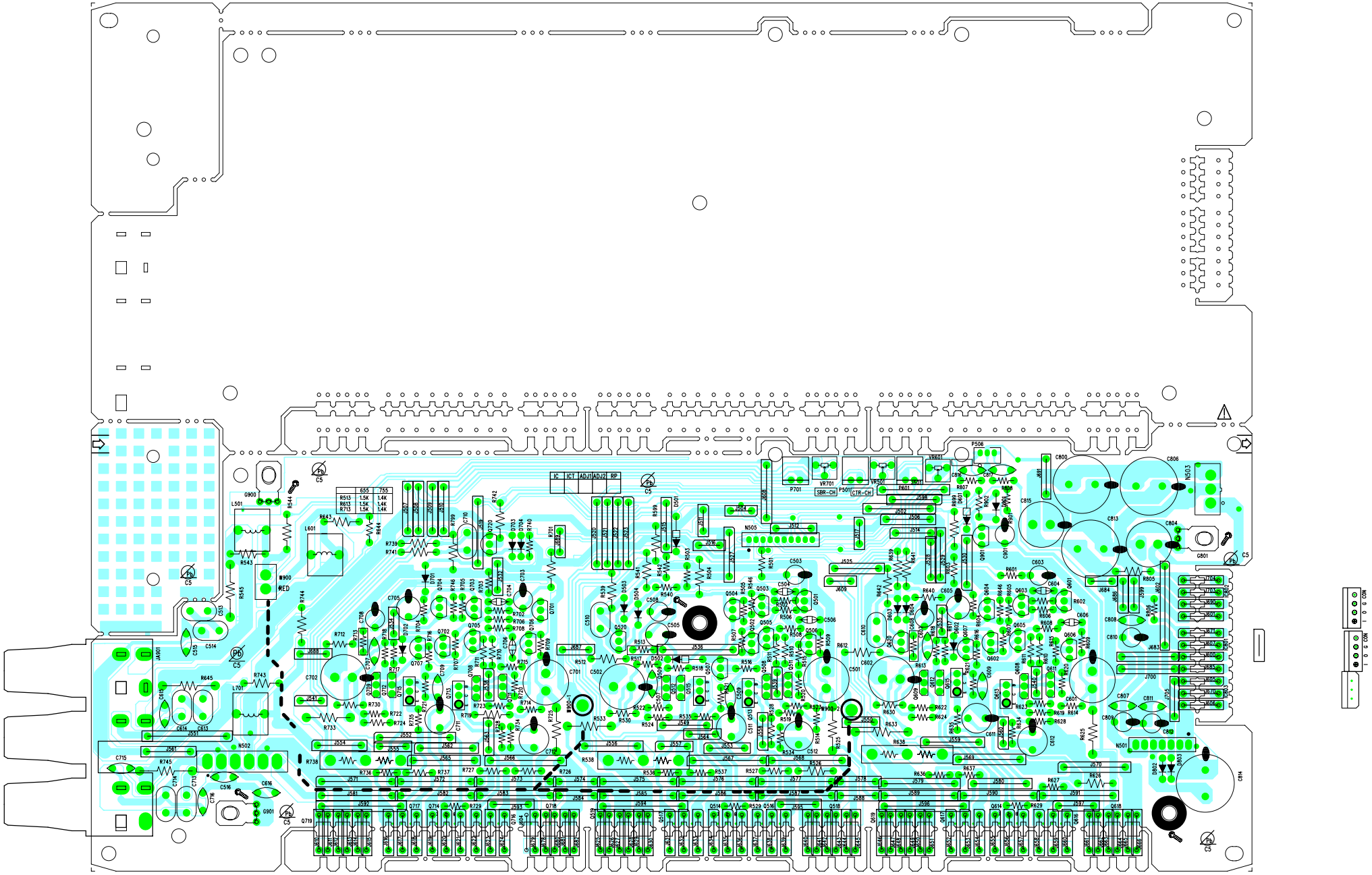

PCB
DIPPING
Harman/Kardon AVR7550HD/760/660 HDMI
MP MAR 2009 CUP12041Y
CONVEYER
GRAIN
IC | ICT | ADJ1 | ADJ2 | RP
A30C5
Harman/Kardon
AVR7550HD/760/660
HDMI MP MAR 2009
CUP12041Y


mm0.881
mm0.228
FID22
FID21
FID25
FID28
FID29
FID30
FID33
FID32
FID23
FID26
FID34
FID35
FID31
FID36
FID37
FID24
FID27
FID38
FID39
FID40
IC1016
IC1015
IC1017
IC1018
IC1020
IC1019
IC1022
IC1023
IC1024
IC1025
TC9273-004

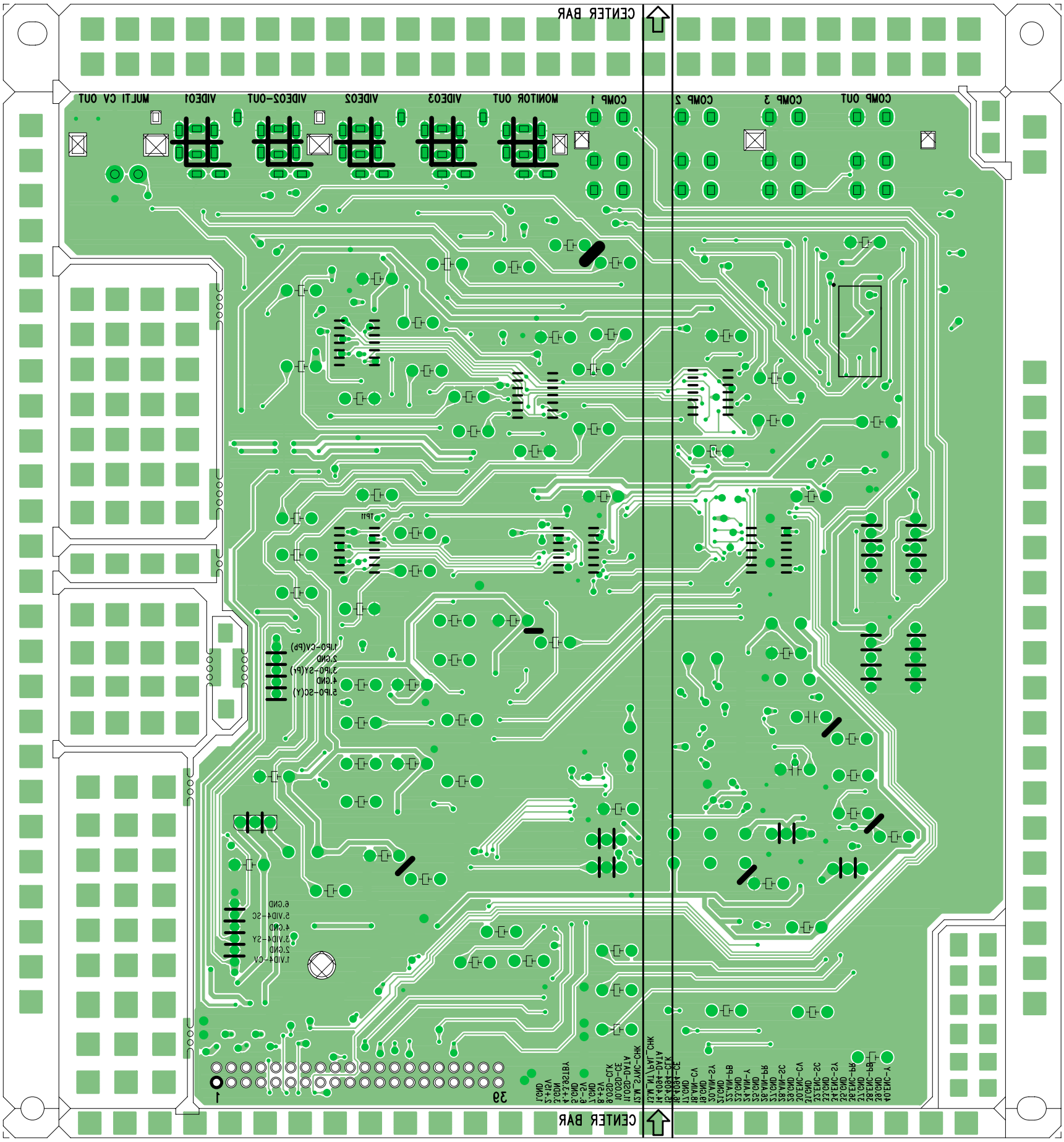

188.0mm
228.0mm
DIPPING
DELETION OPTION
* MARK : AVR660 DEL
# MARK : ALL MODEL DEL
harman/kardon
AVR7550HD/AVR760/AVR660 PROCESSOR B'D
MP MAR.06.2009
CUP12042Y
MODEL CHECK
AVR7550HD
AVR670
AVR660

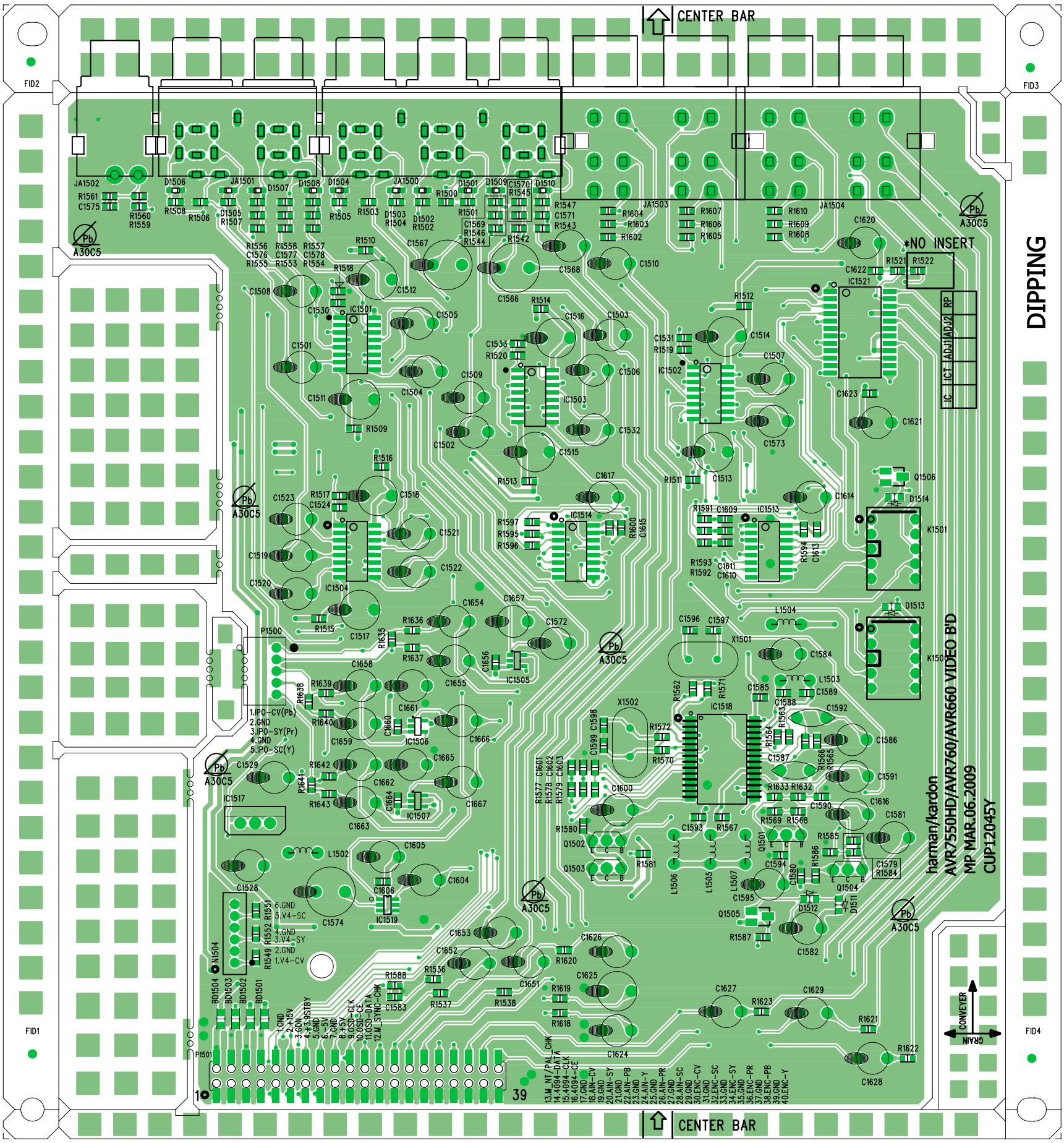



D5502
D5500
T4A 250V
F5502
F5501
T4A 250V
N4008
Q4011
C5
Pb
N5507
N5506
N5503
N5504
N5505
P5507
P5506
P5503
P5504
P5505
Haman Kardon
AVR7550/760
FEB,21.2009
CUP12050Y



AVR755-SURROUND-AS.pcb - Tue Apr 14 17:36:33 2009

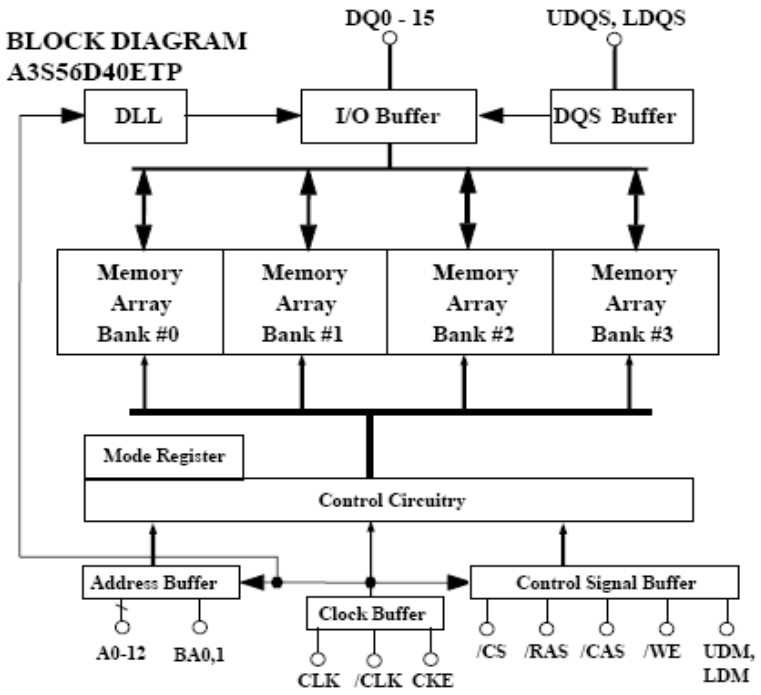

CENTER BAR
MULTI CV OUT
VIDEO1
VIDEO2-OUT
VIDEO2
VIDEO3
MONITOR OUT
COMP 1
COMP 2
COMP 3
COMP OUT
CENTER BAR


CENTER BAR
FID2
FID3
FID1
FID4
*NO INSERT
DIPPING
harman/kardon
AVR7550HD/AVR760/AVR660 VIDEO B'D
MP MAR.06.2009
CUP12045Y
A30C5
1.IPO-CV(Pb)
2.GND
3.IPO-SY(Pr)
4.GND
5.IPO-SC(Y)
6.GND
5.V4-SC
4.GND
3.V4-SY
2.GND
1.V4-CV
CONVEYER
GRAIN

Semiconductor pinout drawings

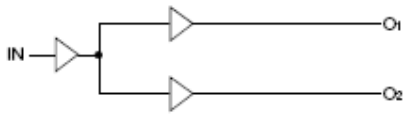
•IC

1. A3S56D40ETP (HDMI: IC2024, IC2025)

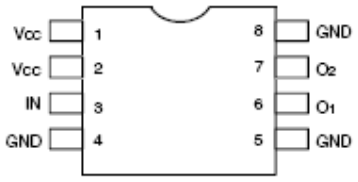


2. 74FCT38072DCGI(HDMI IC2010)

FUNCTIONAL BLOCK DIAGRAM



PIN CONFIGURATION

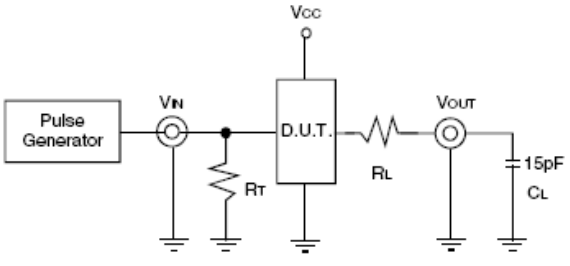


SOIC
TOP VIEW

TEST CONDITIONS

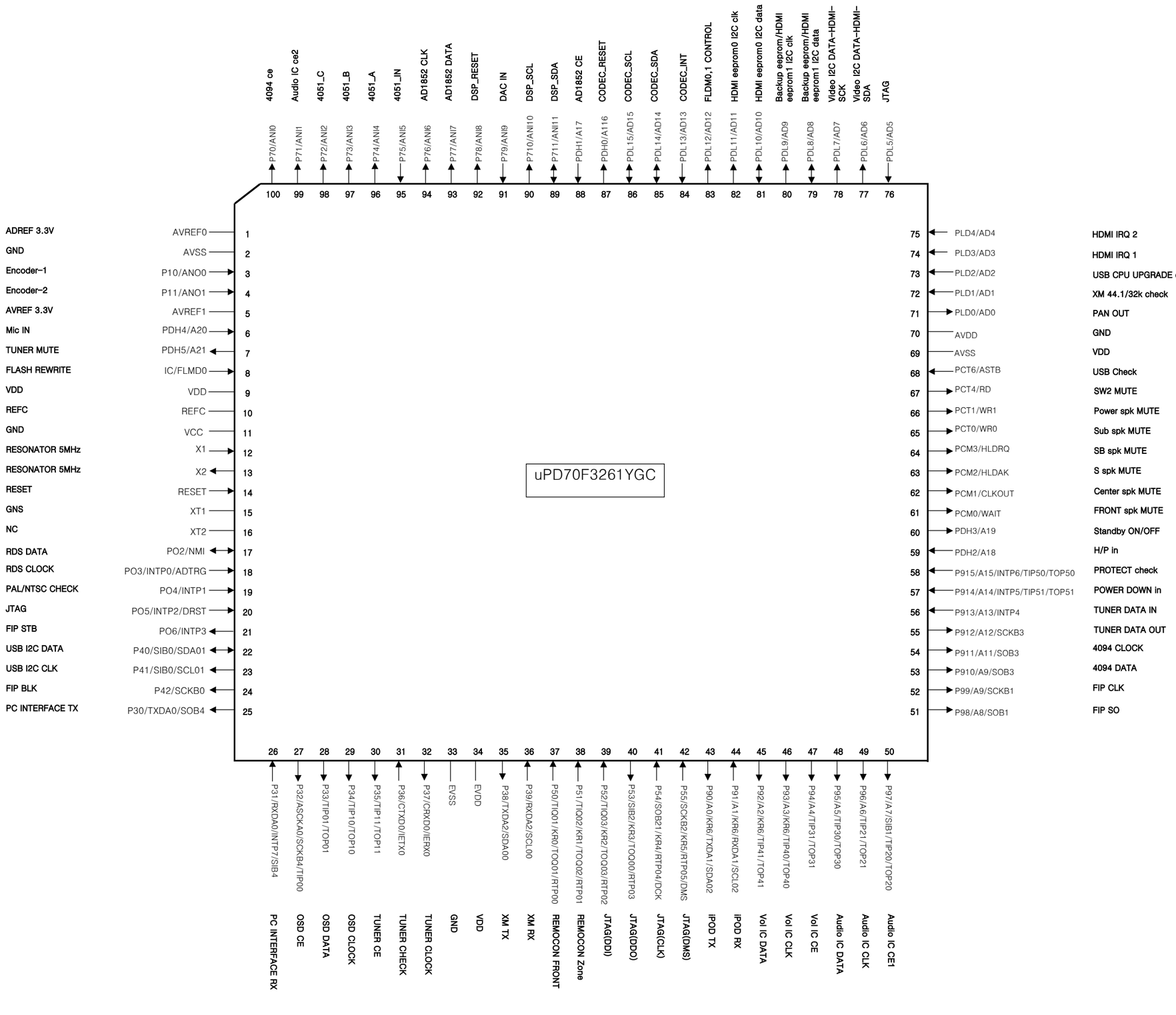
Symbol	Vcc = 3.3V ±0.3V	Unit
CL	15	pF
RL	33	Ω
RT	ZOUT of pulse generator	Ω
tR / tF	1 (0V to 3V or 3V to 0V)	ns

DEFINITIONS:
CL = Load capacitance: includes jig and probe capacitance.
RT = Termination resistance: should be equal to ZOUT of the Pulse Generator.
tR / tF = Rise/Fall time of the input stimulus from the Pulse Generator.



CL = 15pF Circuit

UPD70F3261YGC-8EA-A LQFP100 PORT DEFINE FOR AVR745



3. DAD1580BRT(HDMI IC2039)

PIN CONFIGURATIONS

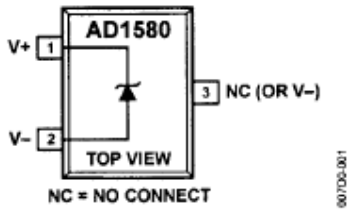


Figure 1.

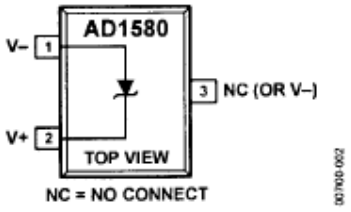
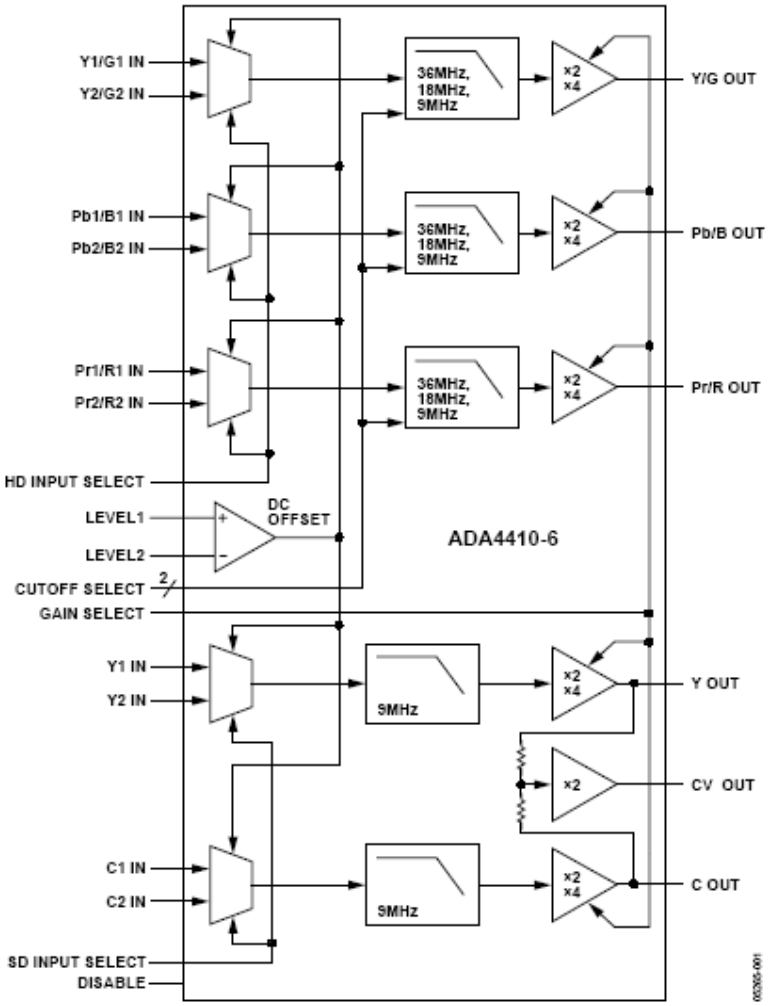
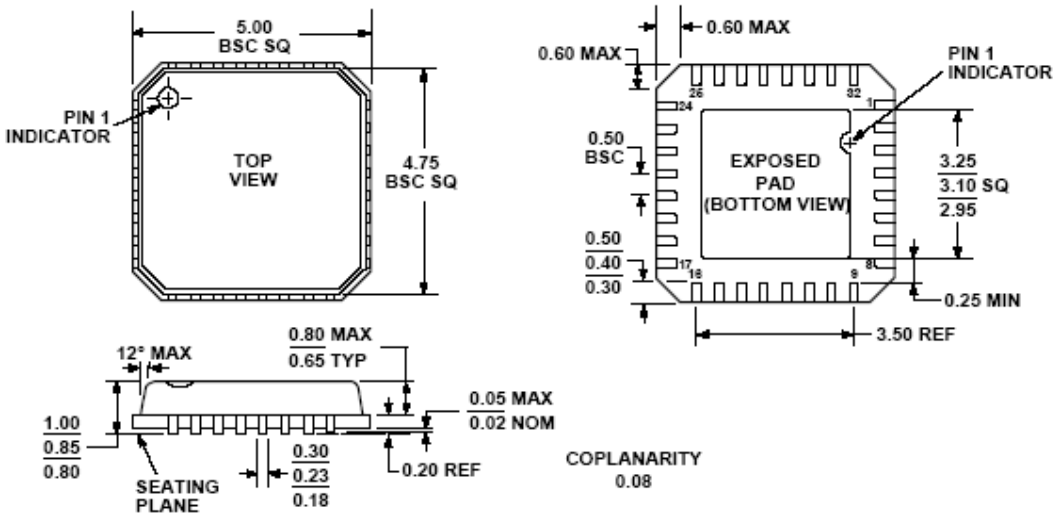


Figure 2.

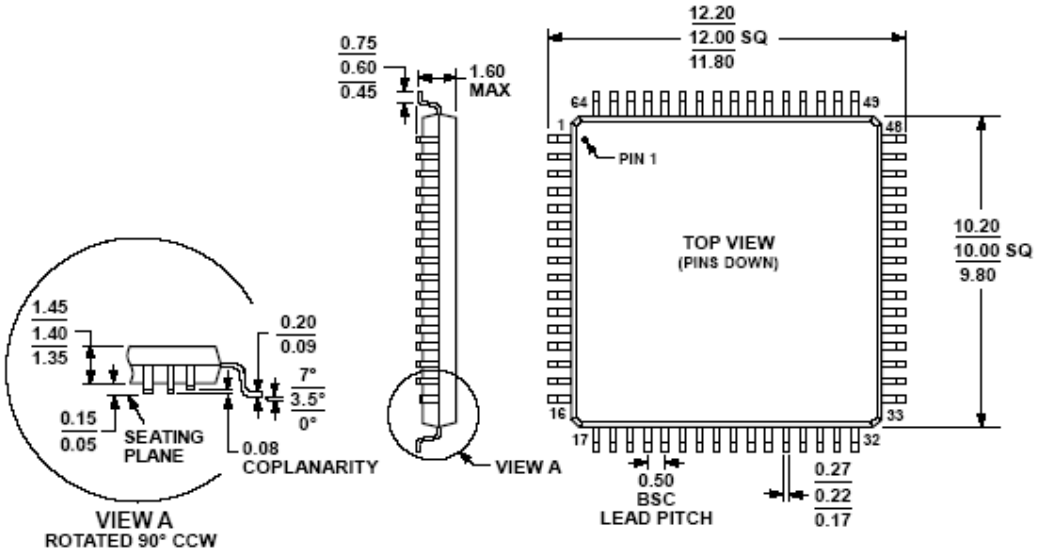
4. ADA4410-6ACPZ (HDMI IC2034)

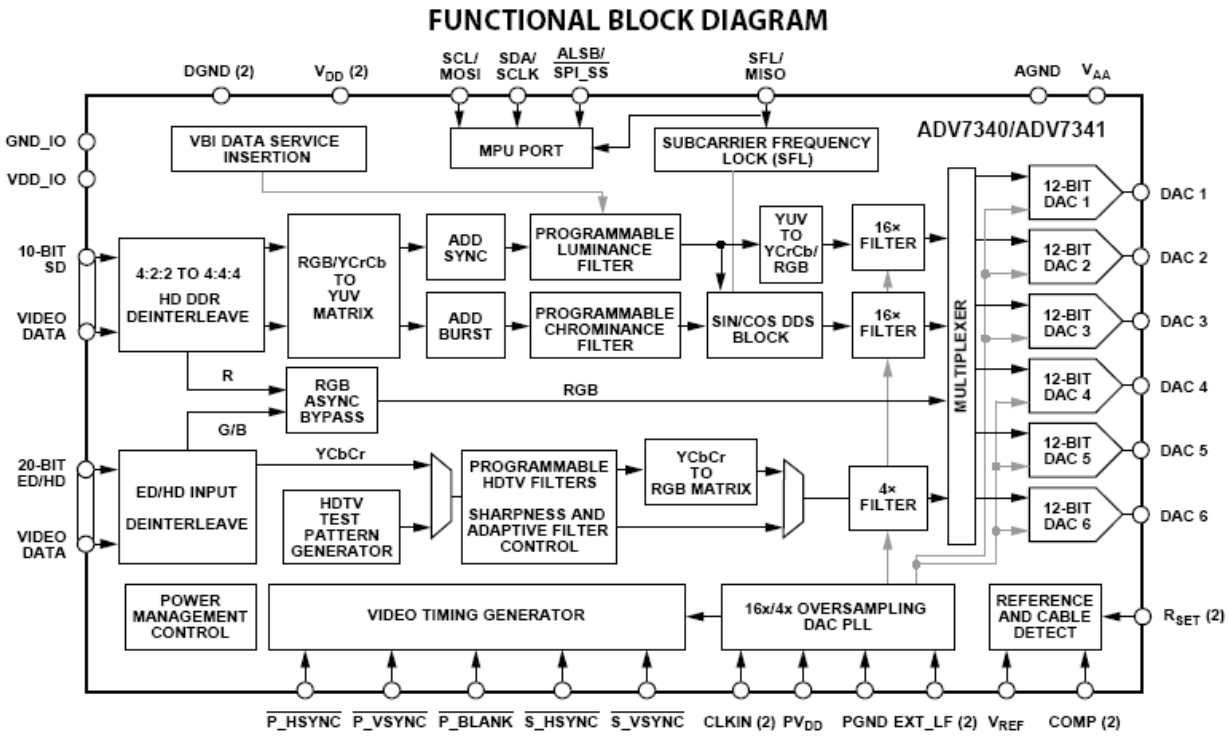
FUNCTIONAL BLOCK DIAGRAM



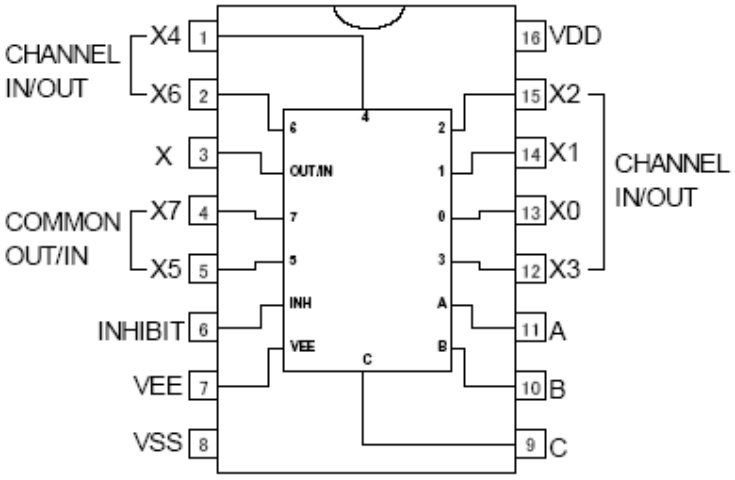


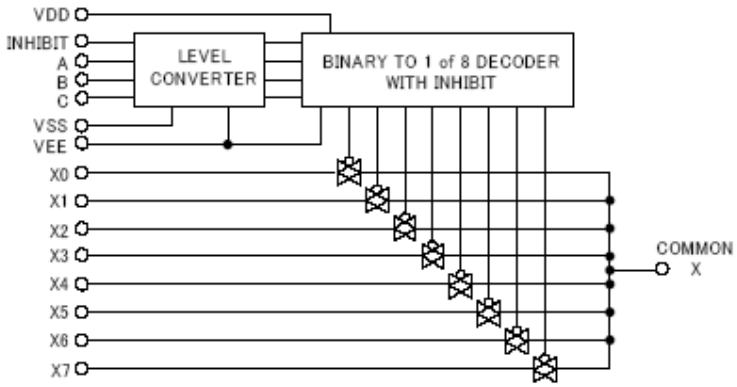
5. ADV7340BSTZ (HDMI IC2032)



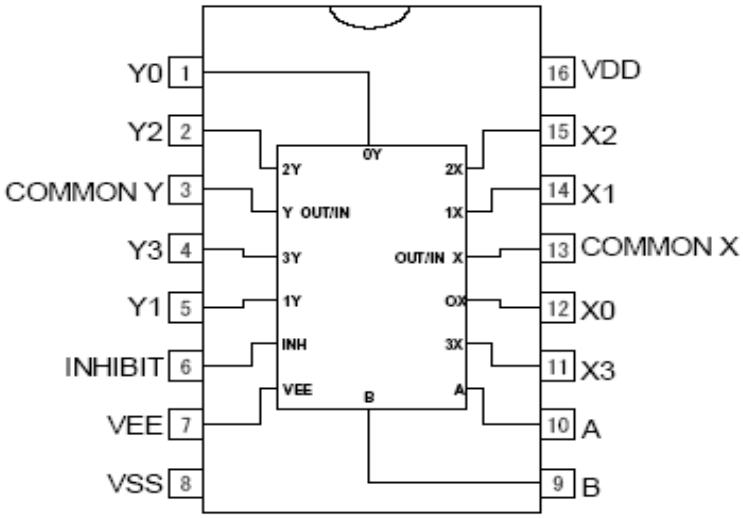


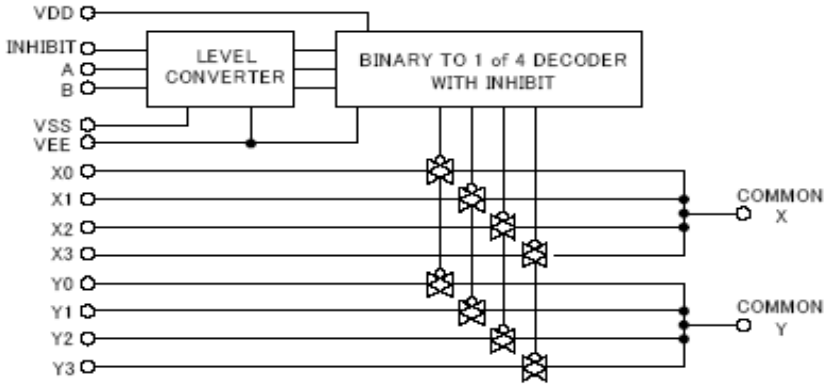
6. BU4051BCF (DSP IC4059)



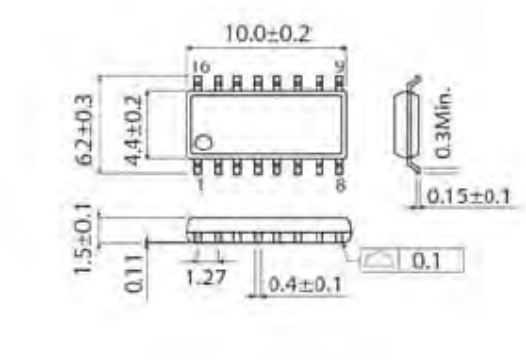


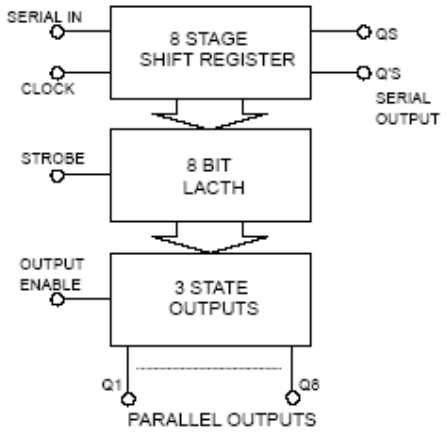
7. BU4052BCF (HDMI IC2002)

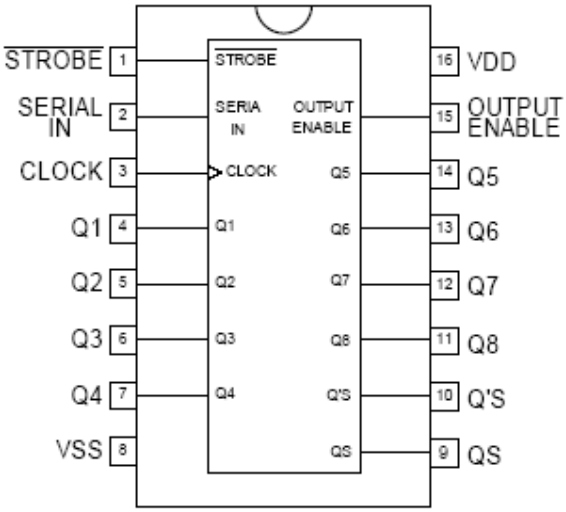




8. BU4094BCF (VIDEO: IC1513,IC1514, HDMI: IC2012, IC2013 , DSP: IC4054, IC4055, IC4057)

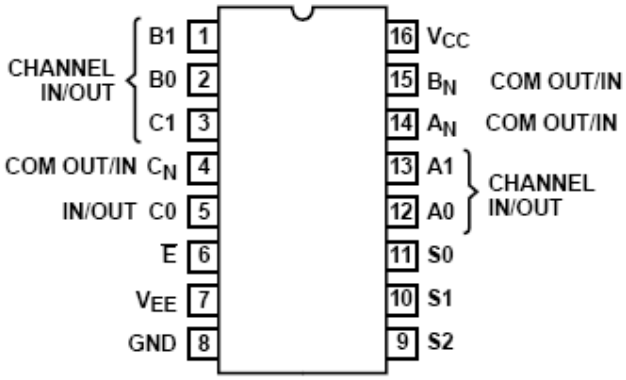




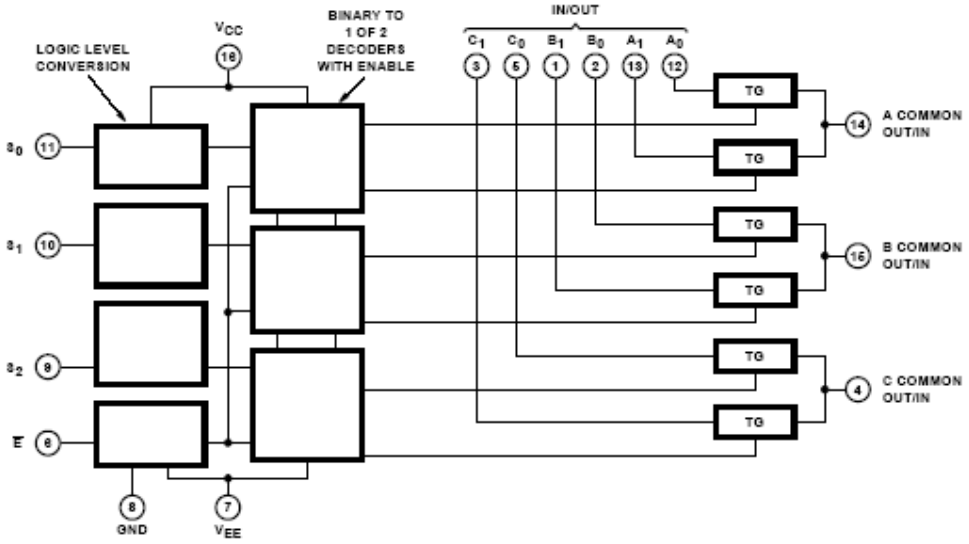


9. CD74HC4053M96 (HDMI IC2036)

CD54HC4053
(CERDIP)
CD74HC4053
(PDIP, SOIC, SOP, TSSOP)
CD74HCT4053
(PDIP, SOIC, TSSOP)
TOP VIEW



Functional Diagram of 'HC4053, CD74HCT4053

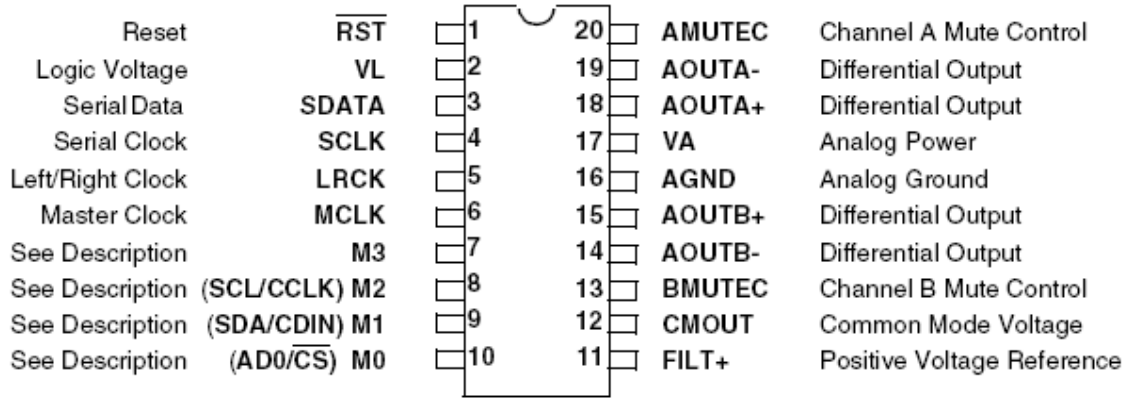


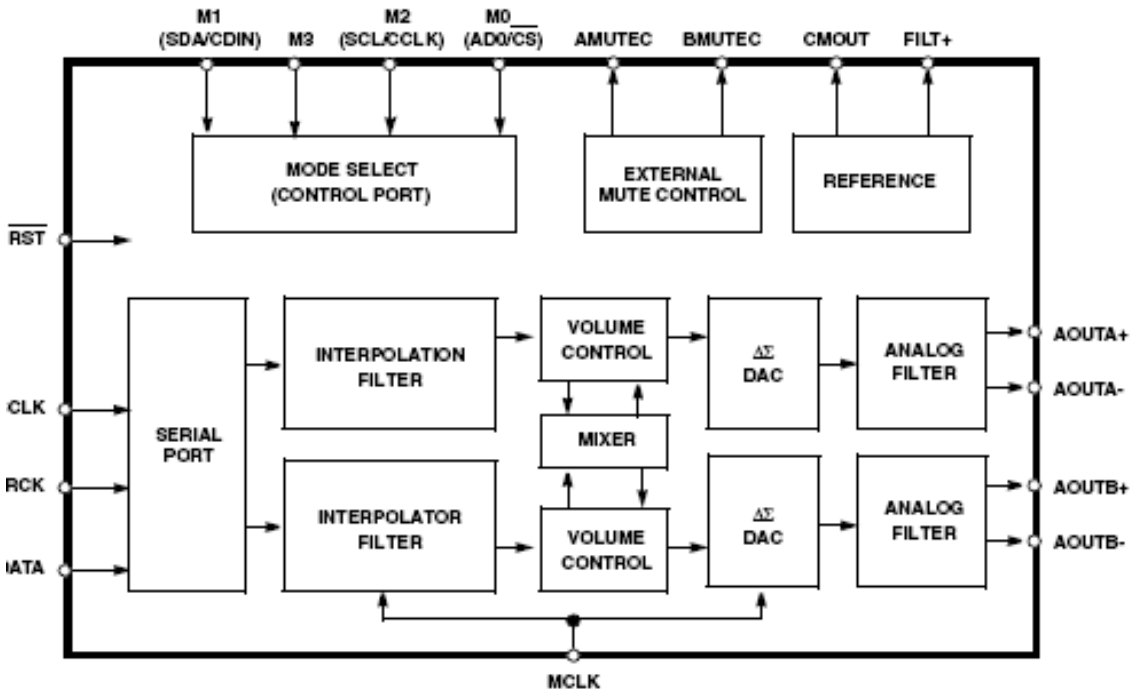
TRUTH TABLE
'HC4053, CD74HCT4053

INPUT STATES				"ON" CHANNELS
ENABLE	S_0	S_1	S_2	
L	L	L	L	C0, B0, A0
L	H	L	L	C0, B0, A1
L	L	H	L	C0, B1, A0
L	H	H	L	C0, B1, A1
L	L	L	H	C1, B0, A0
L	H	L	H	C1, B0, A1
L	L	H	H	C1, B1, A0
L	H	H	H	C1, B1, A1
H	X	X	X	None

X = Don't care

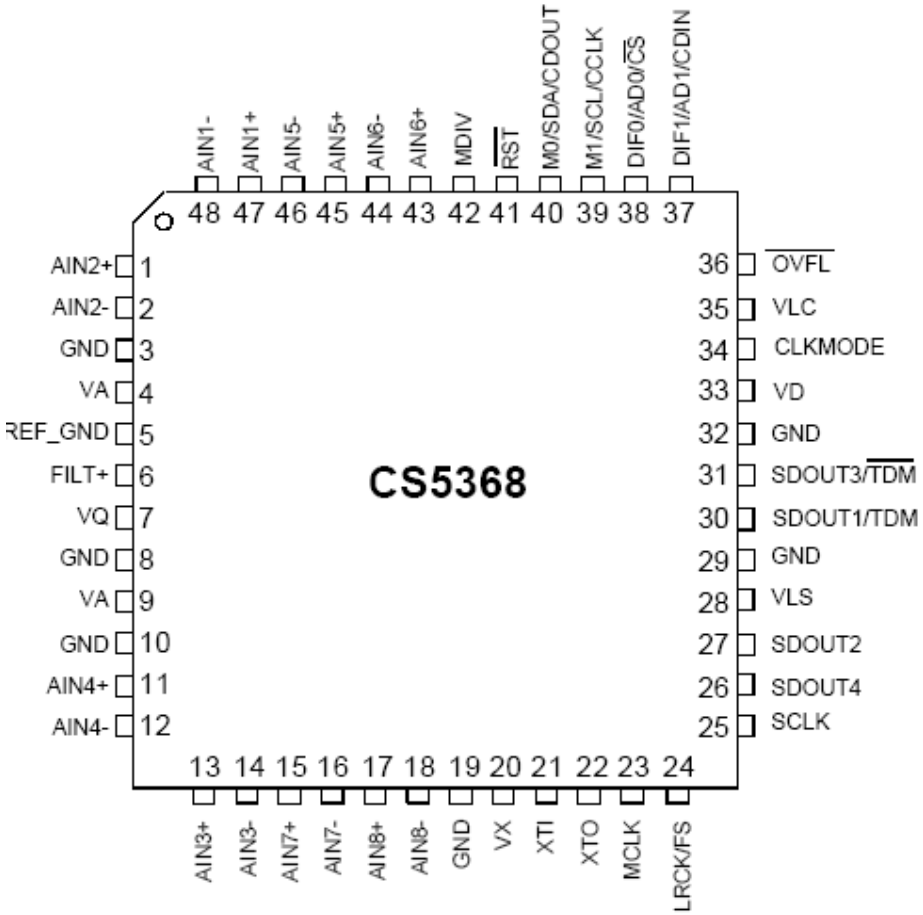
10. CS4391A-KZZ (DSP IC4033,IC4038,IC4040)

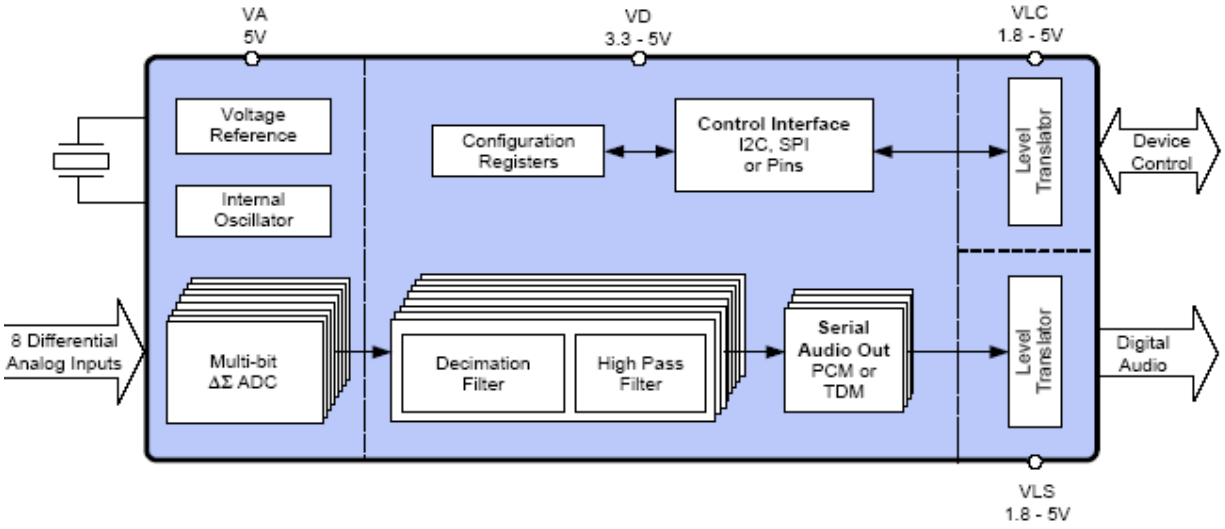




11. CS5368-CQZ (DSP IC4017)

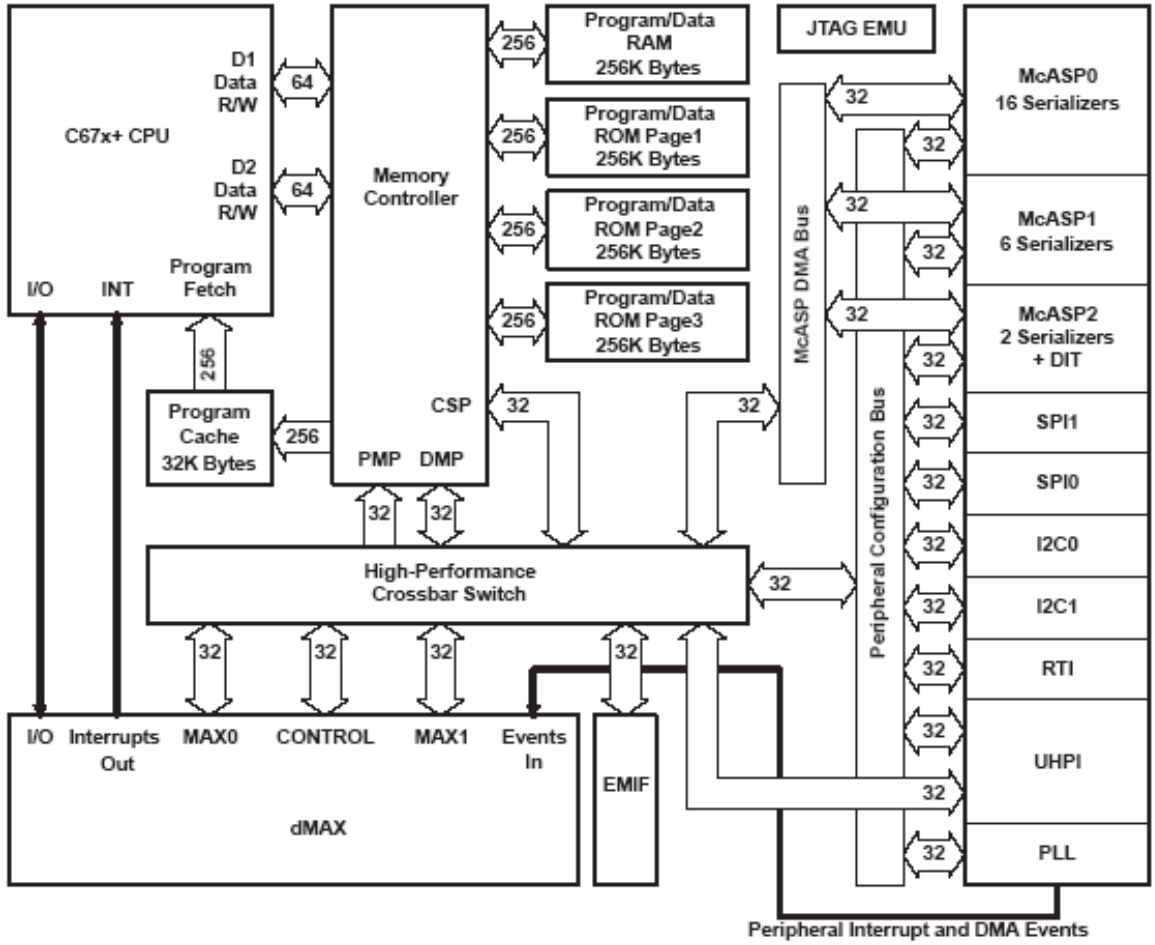
PIN DESCRIPTION



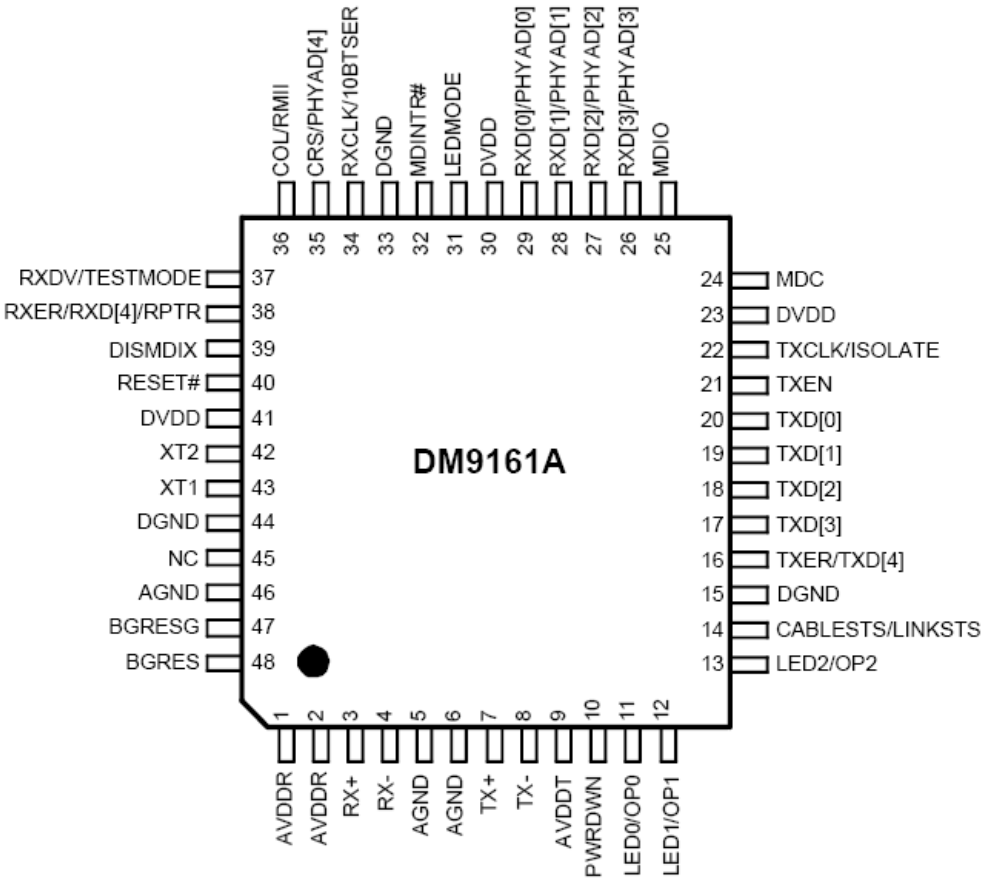


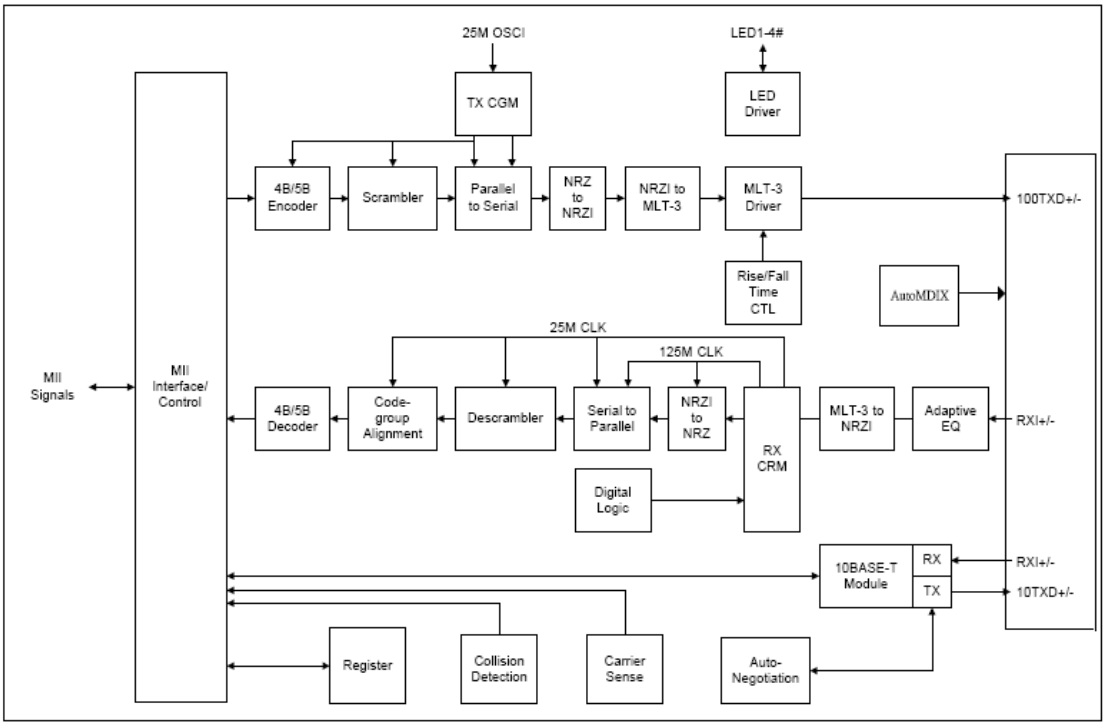
12. D790E001BZDH275 (DSP IC4023,IC4034)

Device Block Diagram

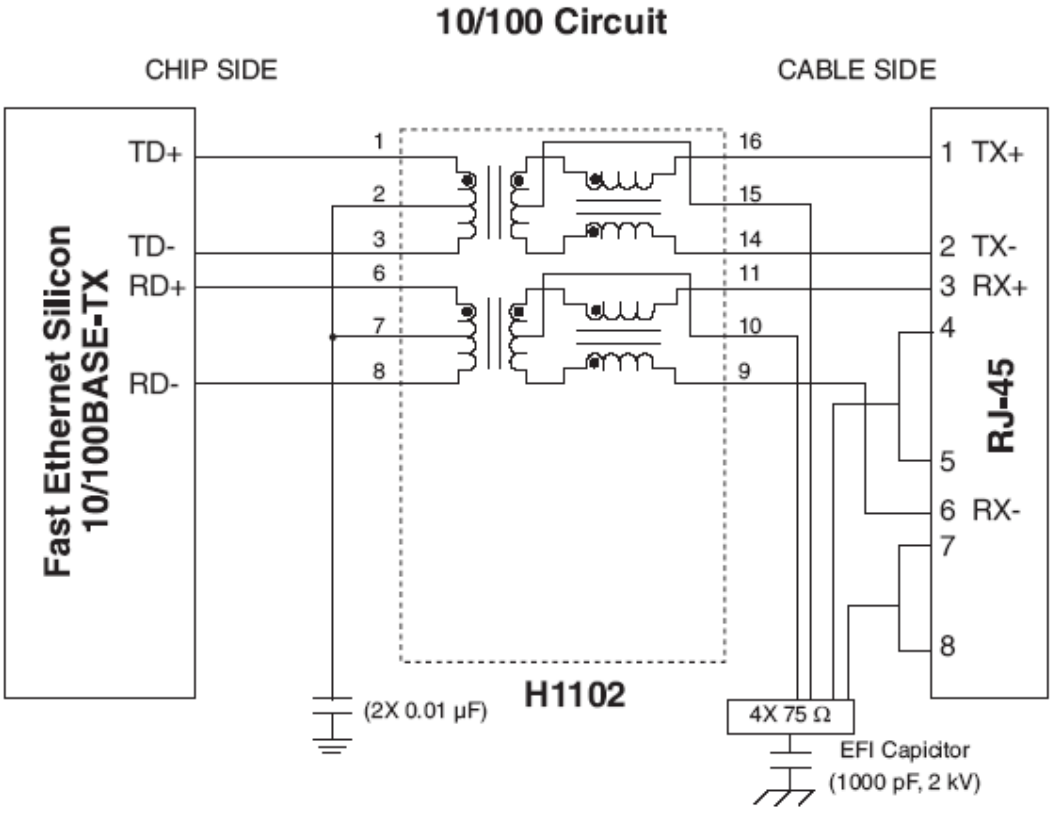


13. DM9161AEP (ETHER IC5002)

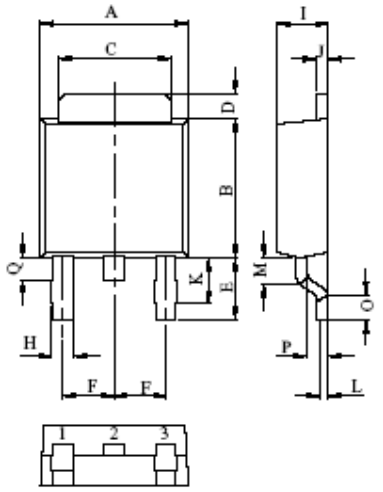




14. H1102NL SMD16 (ETHER T5000)



15. KIA1117F00-RTF/P (DSP IC4024, IC4035)

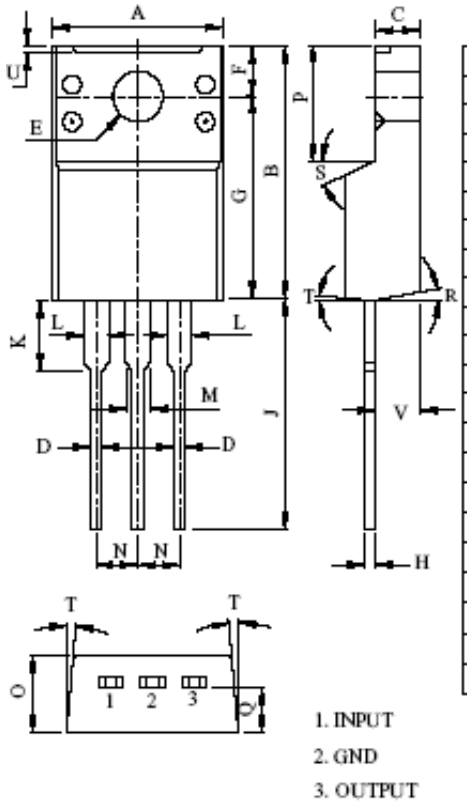


DIM	MILLIMETERS
A	6.60±0.2
B	6.10±0.2
C	5.0±0.2
D	1.10±0.2
E	2.70±0.2
F	2.30±0.1
H	1.00 MAX
I	2.30±0.2
J	0.5±0.1
K	2.00±0.20
L	0.50±0.10
M	0.91±0.10
O	0.90±0.1
P	1.00±0.10
Q	0.95 MAX

1. GND (Adj.)
2. OUTPUT
3. INPUT

Heat Sink is common to ② (Output)

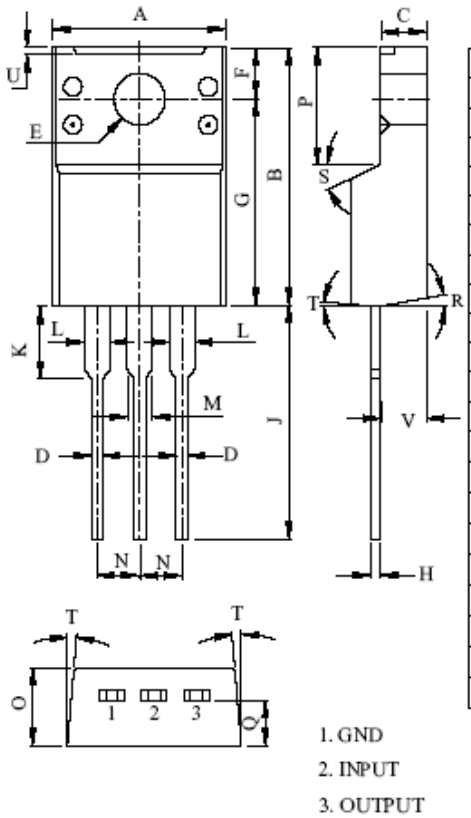
16. KIA7824API TO-220IS (MAIN IC135, IC137)



DIM	MILLIMETERS
A	10.30 MAX
B	15.30 MAX
C	2.70 ± 0.30
D	0.85 MAX
E	Φ3.20 ± 0.20
F	3.00 ± 0.30
G	12.30 MAX
H	0.75 MAX
J	13.60 ± 0.50
K	3.90 MAX
L	1.20
M	1.30
N	2.54
O	4.50 ± 0.20
P	6.80
Q	2.60 ± 0.20
R	10°
S	25°
T	5°
U	0.5
V	2.60± 0.15

1. INPUT
2. GND
3. OUTPUT

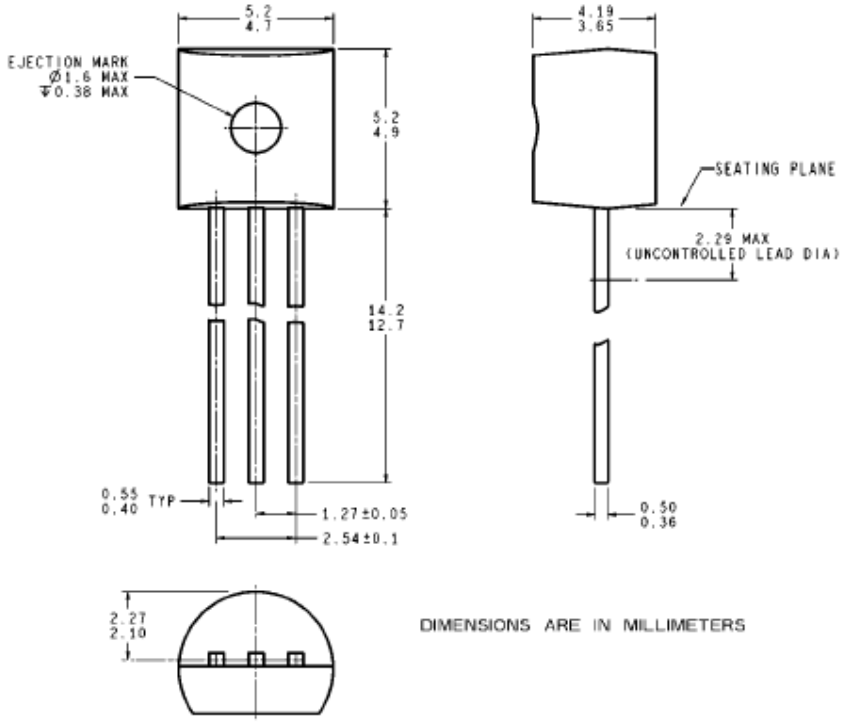
17. KIA7915PI TO-220 (MAIN IC134)
KI A7905PI TO-220 (MAIN IC803)



DIM	MILLIMETERS
A	10.30 MAX
B	15.30 MAX
C	2.70±0.30
D	0.85 MAX
E	Φ3.20±0.20
F	3.00±0.30
G	12.30 MAX
H	0.75 MAX
J	13.60±0.50
K	3.90 MAX
L	1.20
M	1.30
N	2.54
O	4.50±0.20
P	6.80
Q	2.60±0.20
R	10°
S	25°
T	5°
U	0.5
V	2.60±0.15

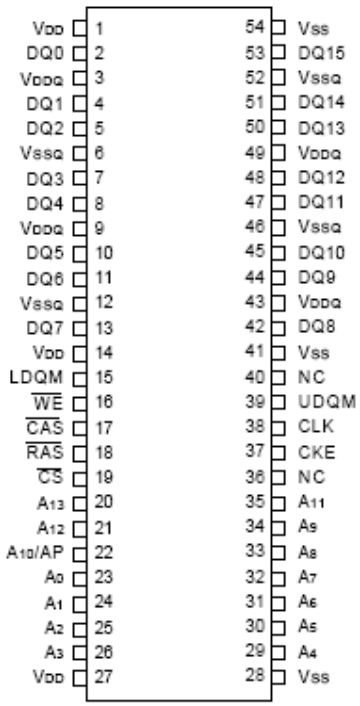
1. GND
2. INPUT
3. OUTPUT

18. LM19CIZ2.4V (MAIN: IC233, SUB: Q4011)

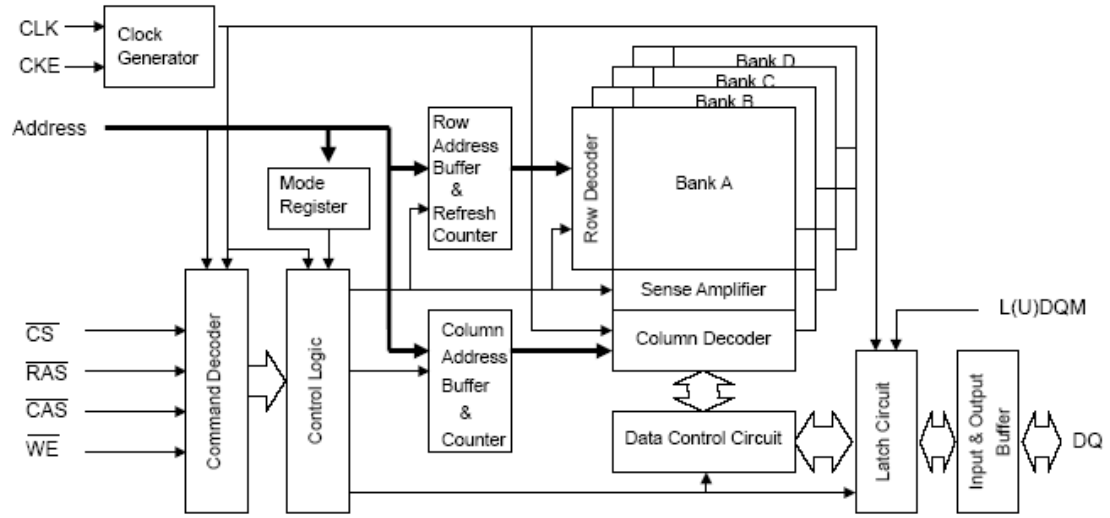


19. M12L128168Z-6TG (ETHER IC5001)

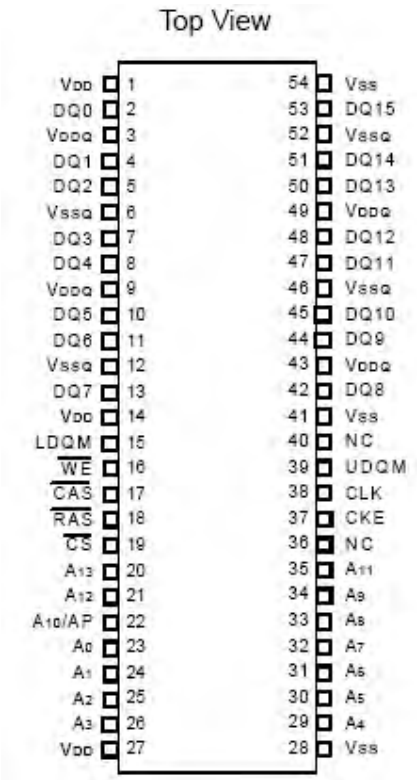
Pin Arrangement

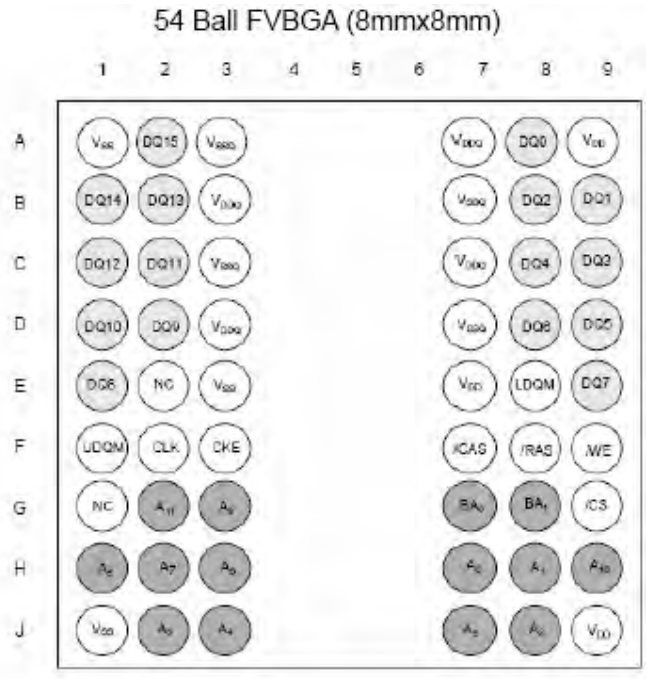


BLOCK DIAGRAM

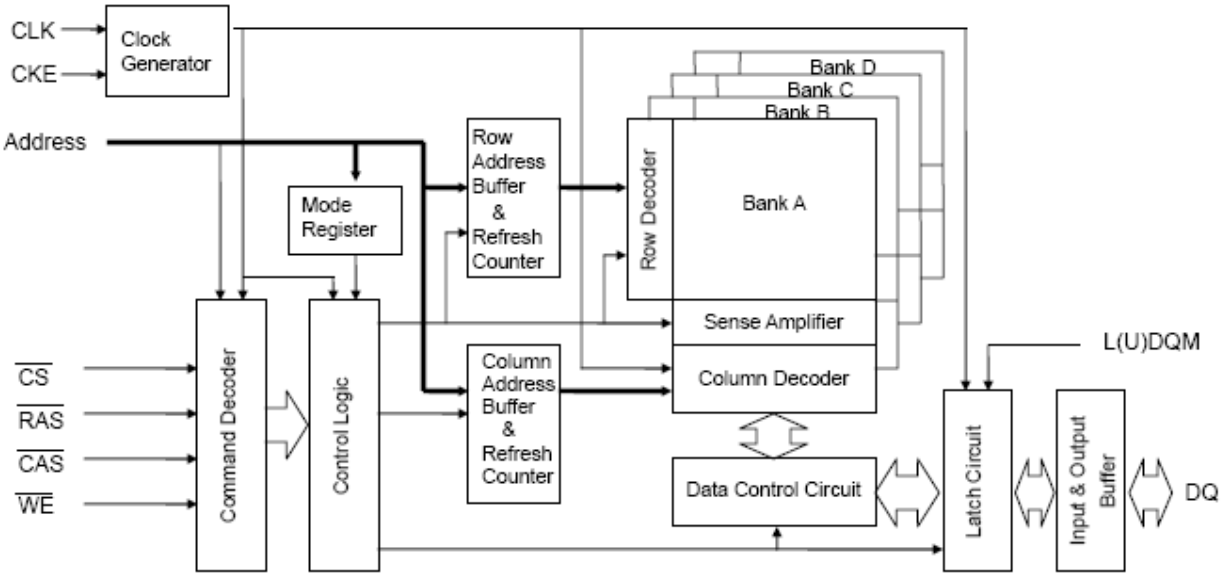


20. M12L64164A-5TG (DSP IC4022, IC4027, IC4031, IC4042)



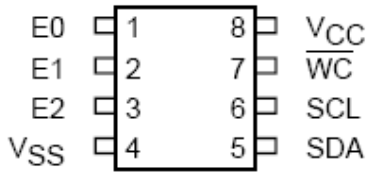


FUNCTIONAL BLOCK DIAGRAM

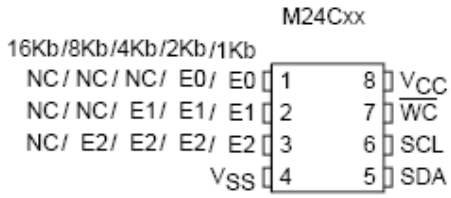


21. M24256-BWMN6TP (DSP IC4042)

M24512-W
M24512-R
M24256-BW
M24256-BR



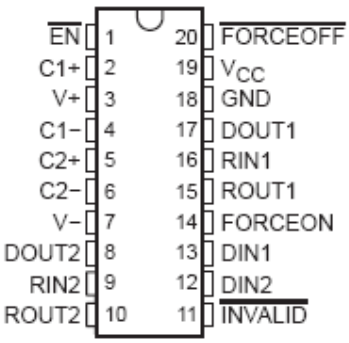
22. M24C08-WMN6TP (HDMI IC2011)

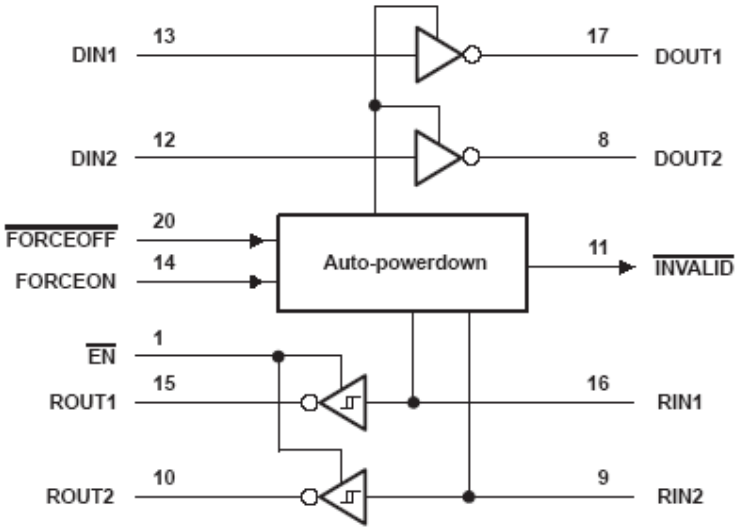


SO8 (MN)
150 mils width

23. MAX3223CDWR (POWER IC3251)

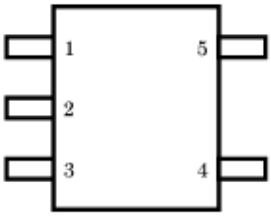
DB, DW, OR PW PACKAGE
(TOP VIEW)



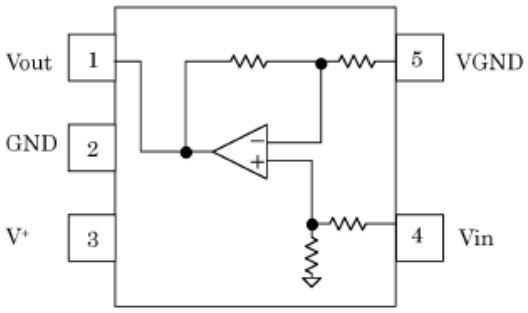


24. NJM2505AF-TE1 (VIDEO IC1505, IC1506, IC1507)

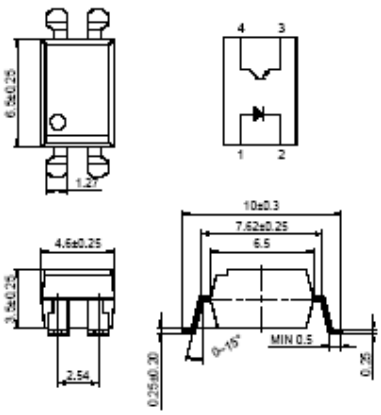
(Top View)



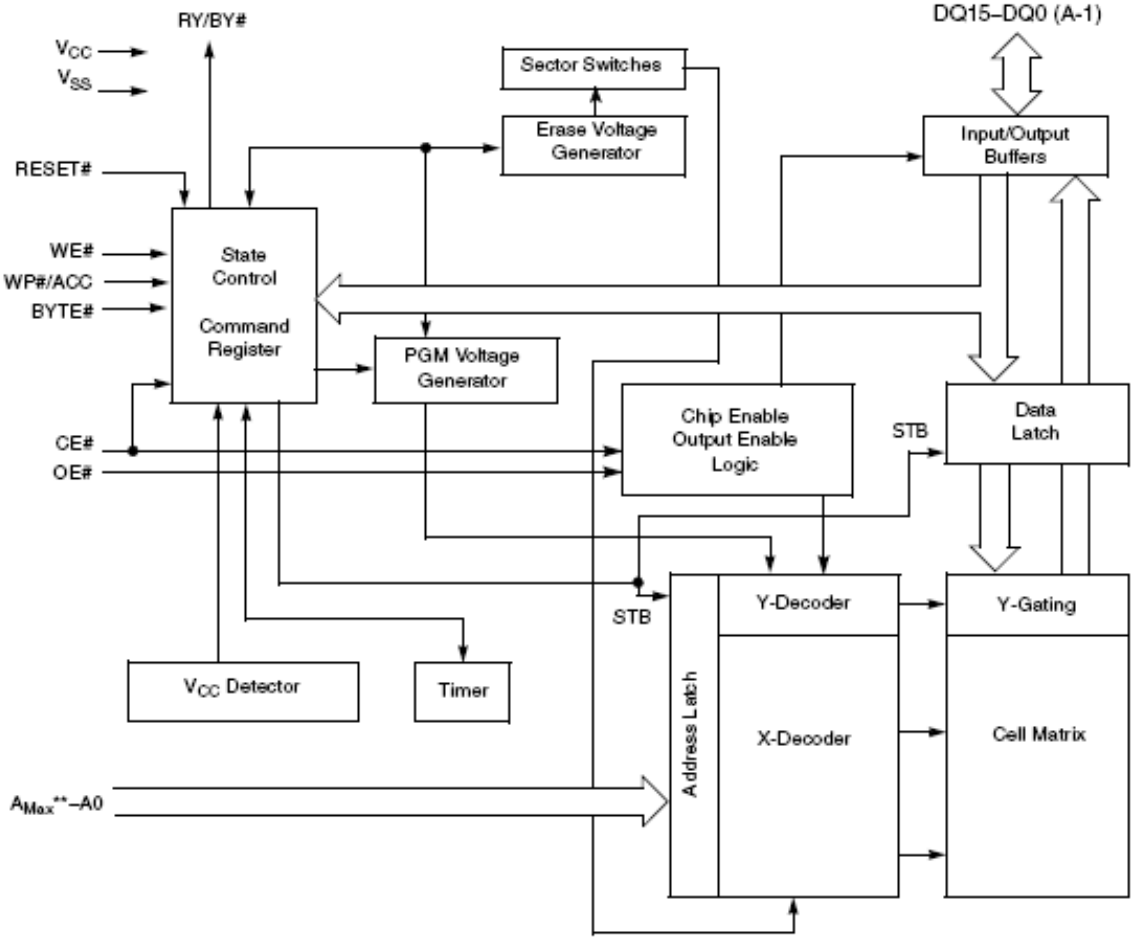
PIN FUNCTION
1. Vout
2. GND
3. V+
4. Vin
5. VGND

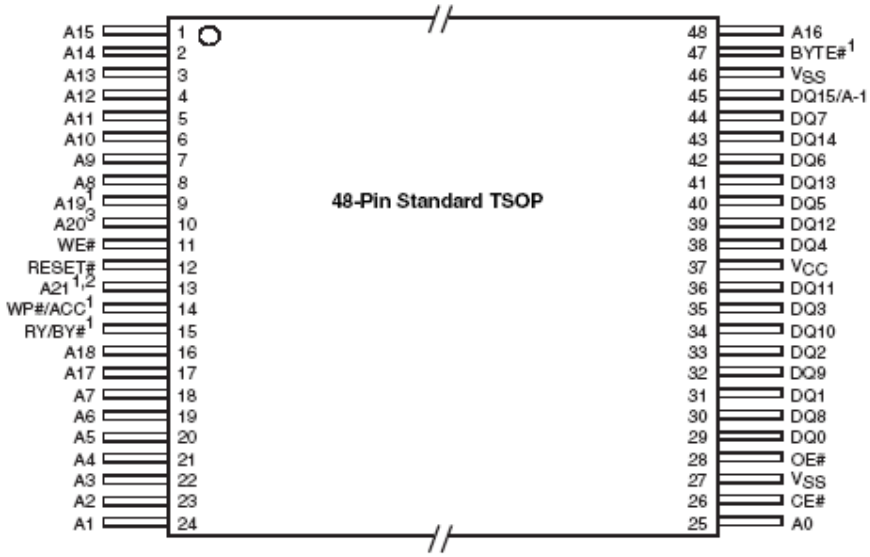


25. PC17K1CTN (HDMI: IC2000, IC2001, DSP: IC4060)

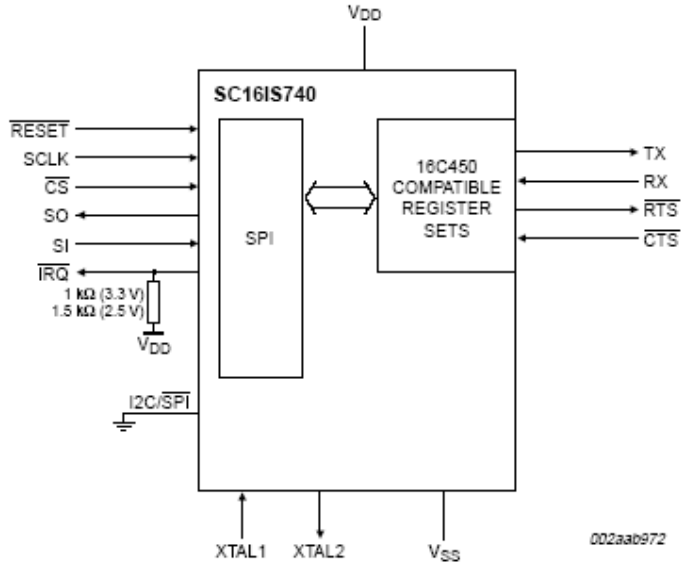


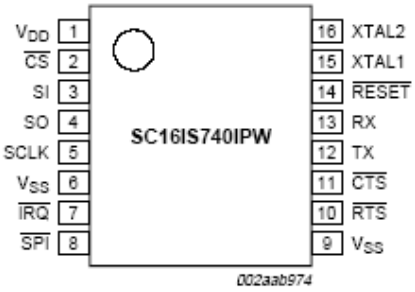
26. S29GL064N90TF1060 (ETHER IC5000)

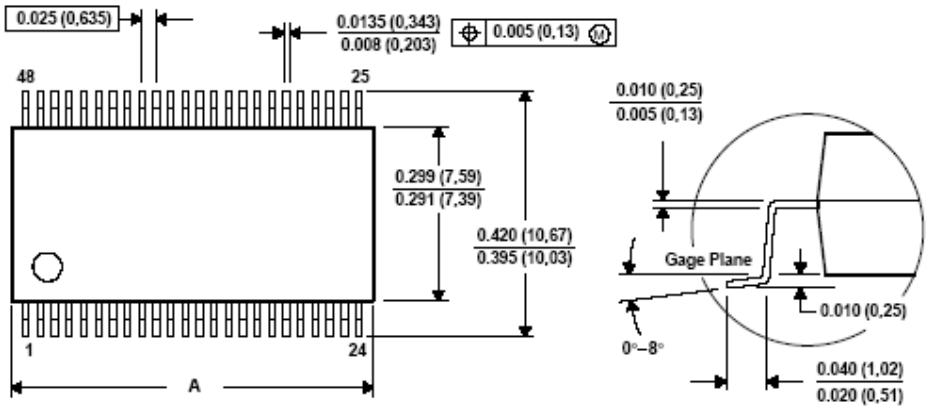




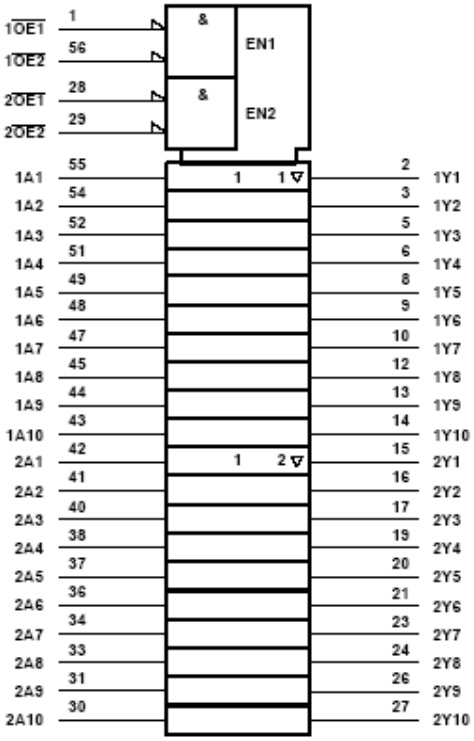
27. SC16IS740IPW (HDMI IC2007)



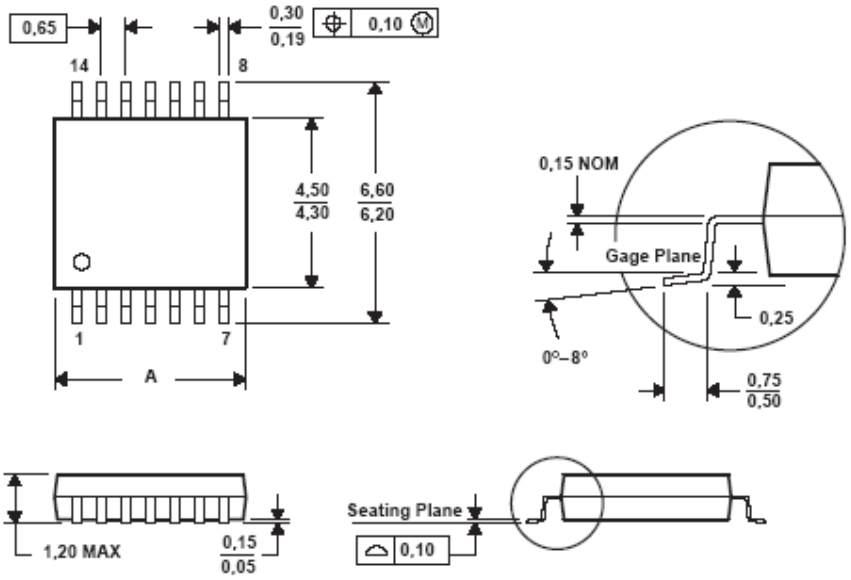




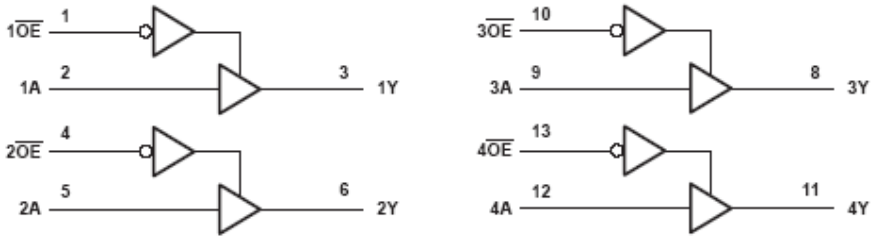
LOGIC SYMBOL[1]



(1) This symbol is in accordance with ANSI/IEEE Std 91-1984 and IEC Publication 617-12.



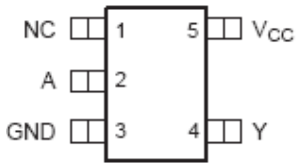
logic diagram (positive logic)



Pin numbers shown are for the D, DB, DGV, J, N, NS, PW, RGY, and W packages.

30. SN74LVC1G04DCKR (HDMI IC2037)

DCK PACKAGE
(TOP VIEW)



FUNCTION TABLE

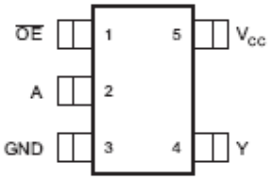
INPUT A	OUTPUT Y
H	L
L	H

LOGIC DIAGRAM (POSITIVE LOGIC)
(DBV, DCK, DRL, DRY, AND YZP PACKAGE)

LOGIC DIAGRAM (POSITIVE LOGIC)
(YZV PACKAGE)

31. SN74LVC1G125DBVR (HDMI: IC2020, IC2040 DSP:IC4043, IC4043, IC4047, IC4048, IC4049, IC4056, IC4063)

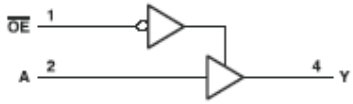
DBV PACKAGE
(TOP VIEW)



FUNCTION TABLE

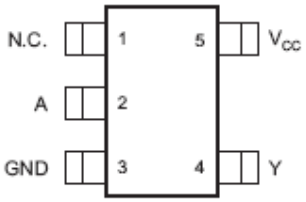
INPUTS		OUTPUT
$\overline{OE}$	A	Y
L	H	H
L	L	L
H	X	Z

LOGIC DIAGRAM (POSITIVE LOGIC)



32. SN74LVC1G17DBVR SOT(SOT-23)DBV (IC4050, IC4051)

DBV PACKAGE
(TOP VIEW)



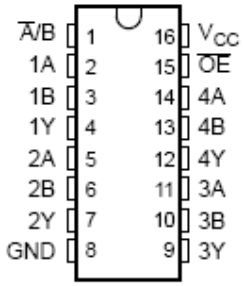
FUNCTION TABLE

INPUT A	OUTPUT Y
H	H
L	L

LOGIC DIAGRAM (POSITIVE LOGIC)
(DBV, DCK, DRL, DRY, and YZP Package)

LOGIC DIAGRAM (POSITIVE LOGIC)
(YZV Package)

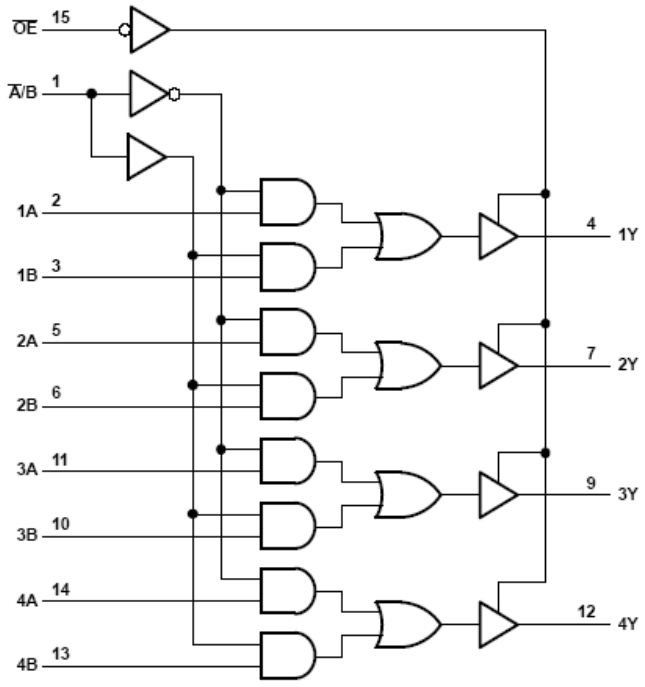
SN54LVC257A . . . J OR W PACKAGE
SN74LVC257A . . . D, DB, NS,
OR PW PACKAGE
(TOP VIEW)

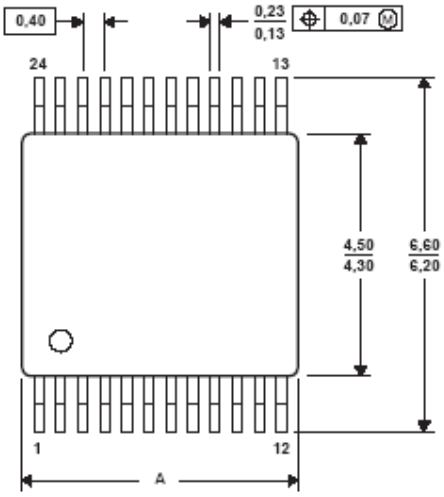


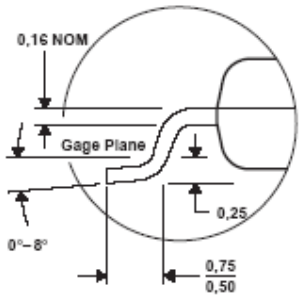
FUNCTION TABLE

INPUTS				OUTPUT
OE	A/B	A	B	Y
H	X	X	X	Z
L	L	L	X	L
L	L	H	X	H
L	H	X	L	L
L	H	X	H	H

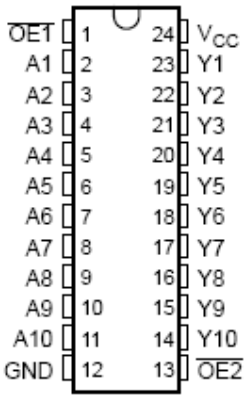
LOGIC DIAGRAM (POSITIVE LOGIC)







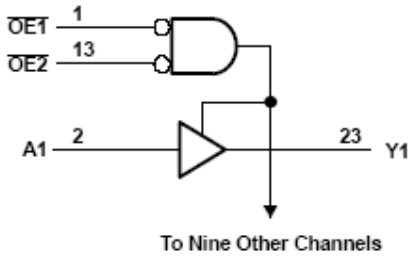
DB, DGV, DW, NS, OR PW PACKAGE
(TOP VIEW)



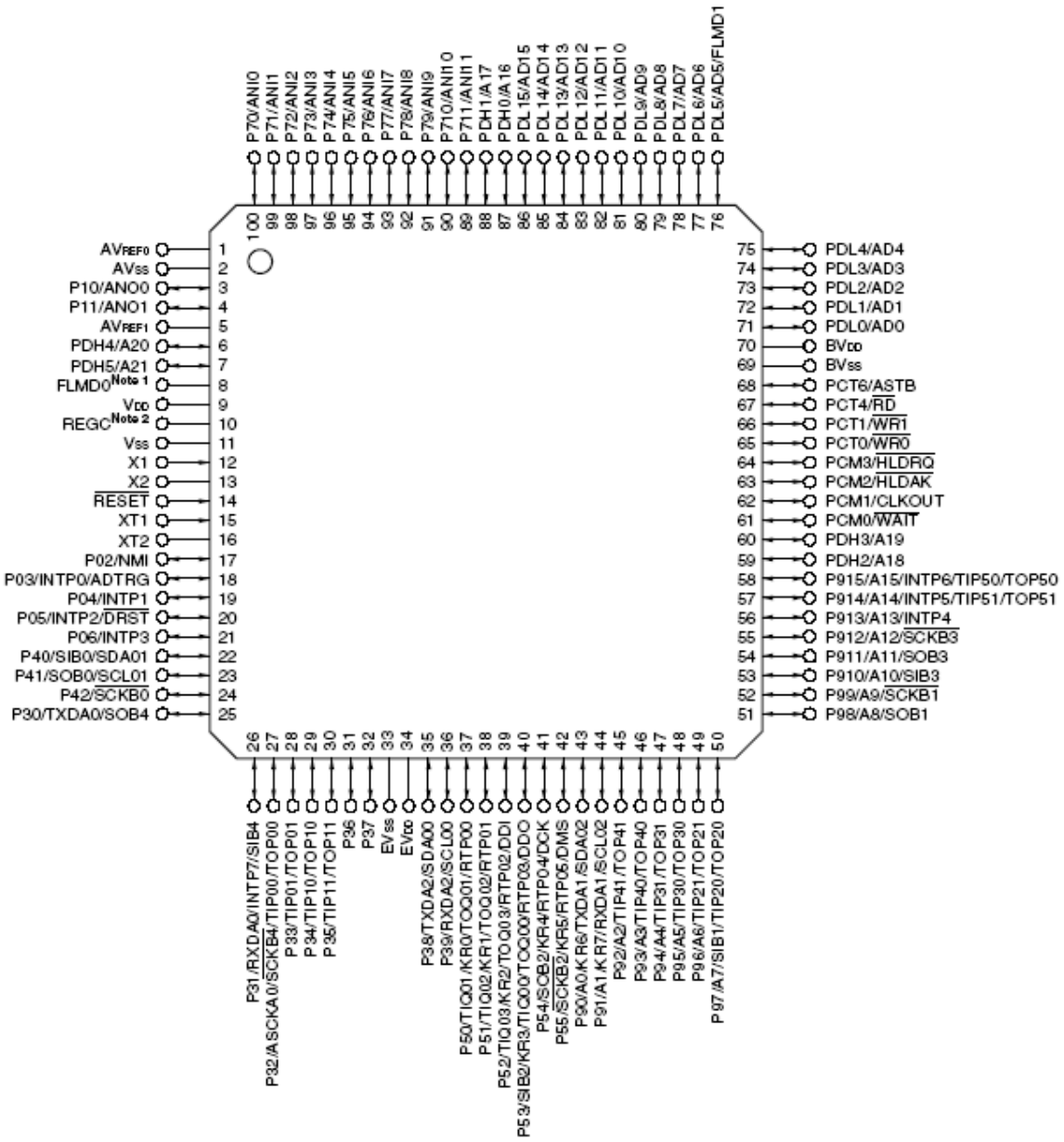
FUNCTION TABLE

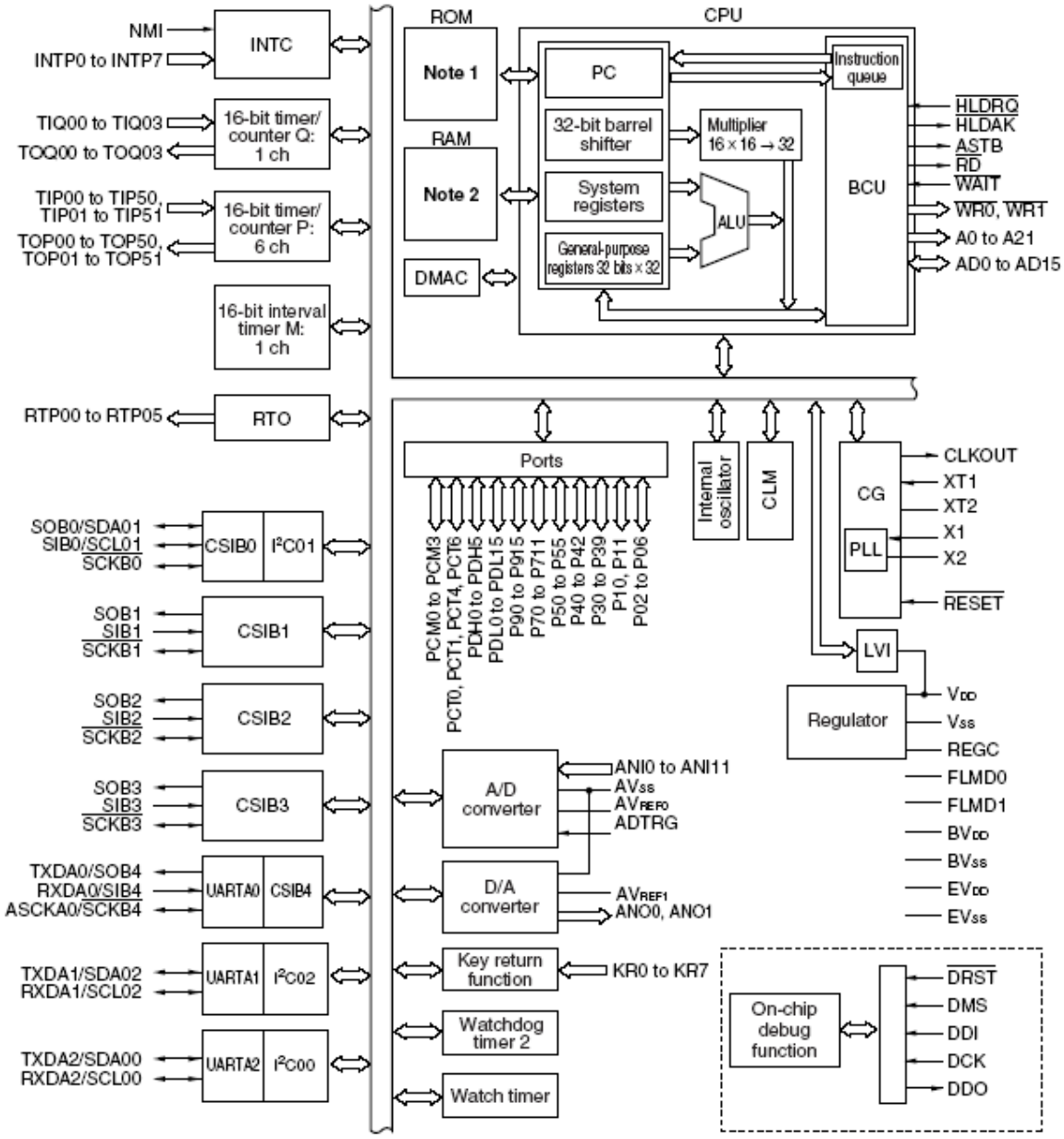
INPUTS			OUTPUT
$\overline{OE1}$	$\overline{OE2}$	A	Y
L	L	L	L
L	L	H	H
H	X	X	Z
X	H	X	Z

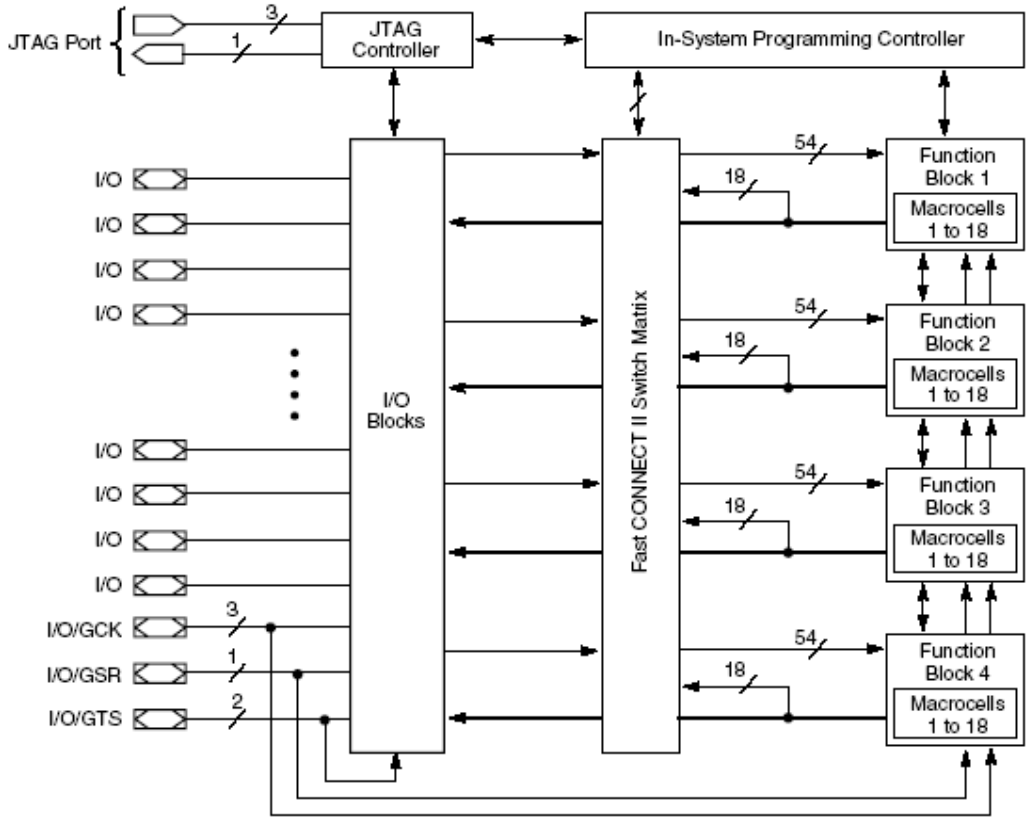
LOGIC DIAGRAM (POSITIVE LOGIC)

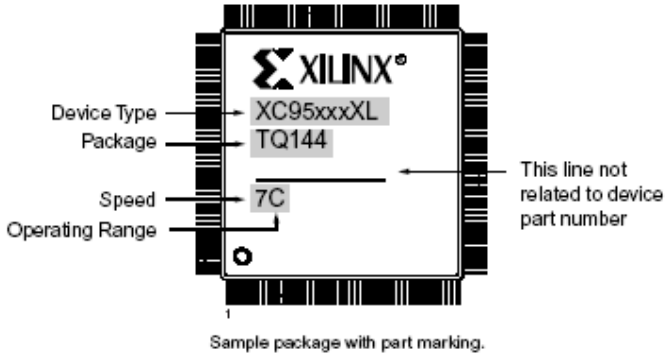


35. UPD70F3718GC8EAA (DSP IC4041)



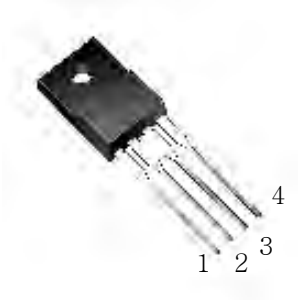

NMI
INTP0 to INTP7
INTC
TIQ00 to TIQ03
TOQ00 to TOQ03
16-bit timer/ counter Q: 1 ch
TIP00 to TIP50, TIP01 to TIP51
TOP00 to TOP50, TOP01 to TOP51
16-bit timer/ counter P: 6 ch
16-bit interval timer M: 1 ch
RTP00 to RTP05
RTO
SOB0/SDA01
SIB0/SCL01
SCKB0
CSIB0
I2C01
SOB1
SIB1
SCKB1
CSIB1
SOB2
SIB2
SCKB2
CSIB2
SOB3
SIB3
SCKB3
CSIB3
TXDA0/SOB4
RXDA0/SIB4
ASCKA0/SCKB4
UARTA0
CSIB4
TXDA1/SDA02
RXDA1/SCL02
UARTA1
I2C02
TXDA2/SDA00
RXDA2/SCL00
UARTA2
I2C00
ROM
Note 1
RAM
Note 2
DMAC
CPU
PC
Instruction queue
32-bit barrel shifter
Multiplier 16 × 16 → 32
System registers
General-purpose registers 32 bits × 32
ALU
BCU
HLDRQ
HLDAK
ASTB
RD
WAIT
WR0, WR1
A0 to A21
AD0 to AD15
Ports
PCM0 to PCM3
PCT0, PCT1, PCT4, PCT6
PDH0 to PDH5
PDL0 to PDL15
P90 to P915
P70 to P711
P50 to P55
P40 to P42
P30 to P39
P10, P11
P02 to P06
Internal oscillator
CLM
CG
PLL
CLKOUT
XT1
XT2
X1
X2
RESET
LVI
Regulator
VDD
VSS
REGC
FLMD0
FLMD1
BVDD
BVSS
EVDD
EVSS
A/D converter
ANI0 to ANI11
AVSS
AVREF0
ADTRG
D/A converter
AVREF1
ANO0, ANO1
Key return function
KR0 to KR7
Watchdog timer 2
Watch timer
On-chip debug function
DRST
DMS
DDI
DCK
DDO





Sample package with part marking.

37. KIA278R05PI (SURROUND: IC802)
KIA278R06PI (MAIN: IC232)
KIA278R12PI (MAIN: IC132)
KIA278R15PI(MAIN: IC133)
KICA27833PI (HDMI: IC2035)



① DC INPUT (V_{IN})
② DC OUTPUT (V_O)
③ GND
④ ON/OFF CONTROL

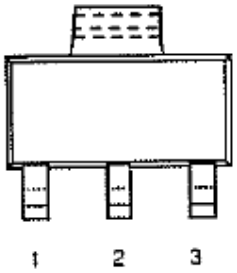
38. KIA7805API(MAIN: IC231)
KI A7806API(VIDEO: IC1517)
KIA7 812API(MAIN : IC131, IC136)
KIA78R05PI(POWR:)

1. INPUT
2. COMMON
3. OUTPUT

39. KIA7905API(SURROUND : IC803)
KIA7915AP(MAIN : IC134)

40. LM1117S-1VS (HDMI : IC2015, IC2017,IC2033 / ETHER: IC5005)
LM1117S-2V5 (HDMI : IC2028)
LM1117S-3V3 (HDMI : IC2023/ DSP; IC4035)

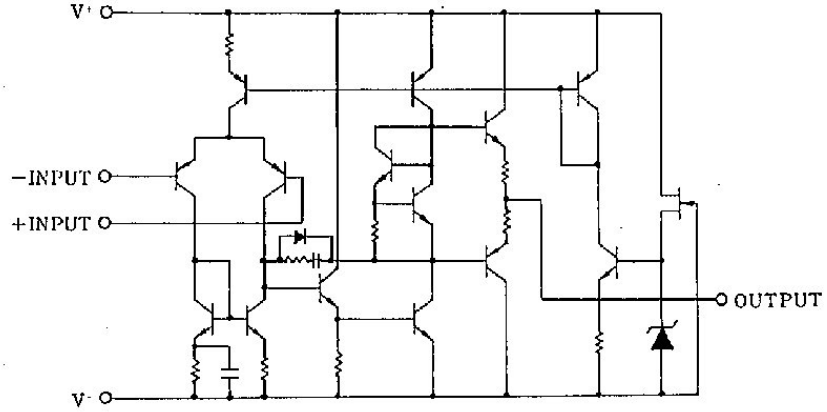
SOT-223 PKG (FRONT VIEW)



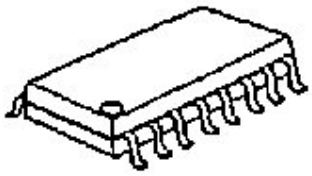
PIN FUNCTION
1. Adj/Gnd
2. Vout
3. Vin

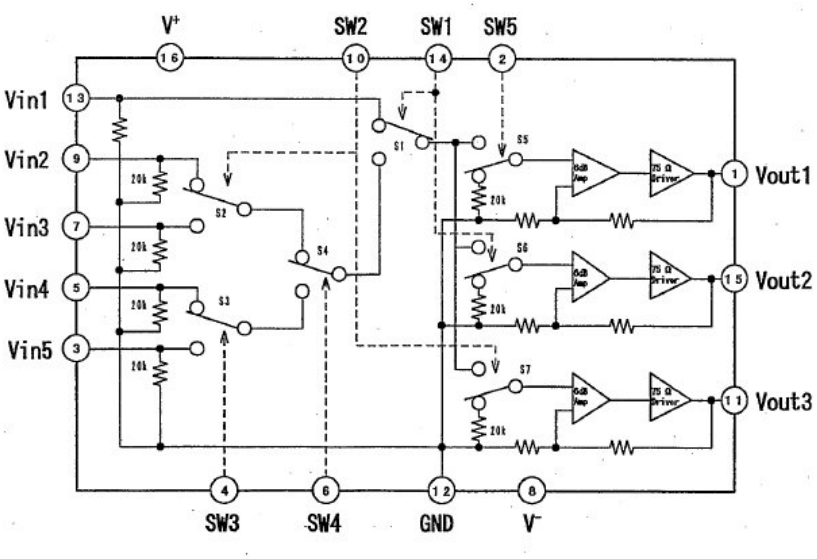
41. NJM2068M (PROCESSOR : IC1002,IC1004,IC1005, IC1008~IC1013, IC1015,IC1016

IC1 018~IC1025/ FRONT: IC3501, DSP: IC4001~IC4004, IC4006~IC4013, IC4 018, IC4025,IC4028, IC4032, IC4037, IC4039, IC4052, IC4053)

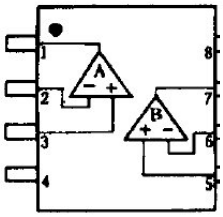


42. NJM2296(VIDEO IC1501~IC1504, IC1521)



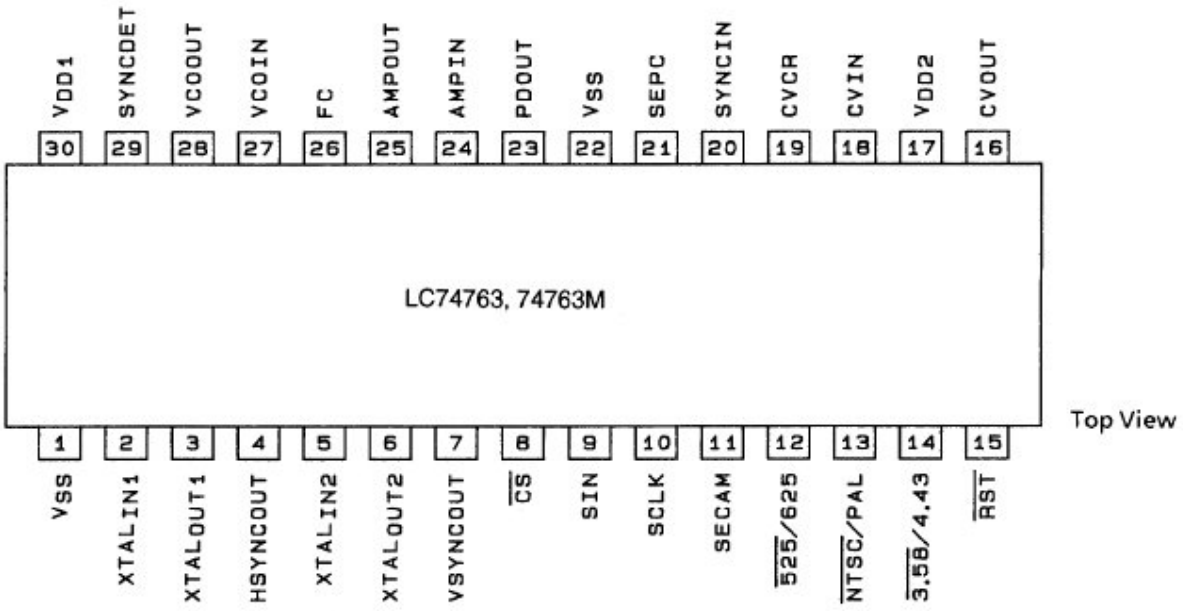


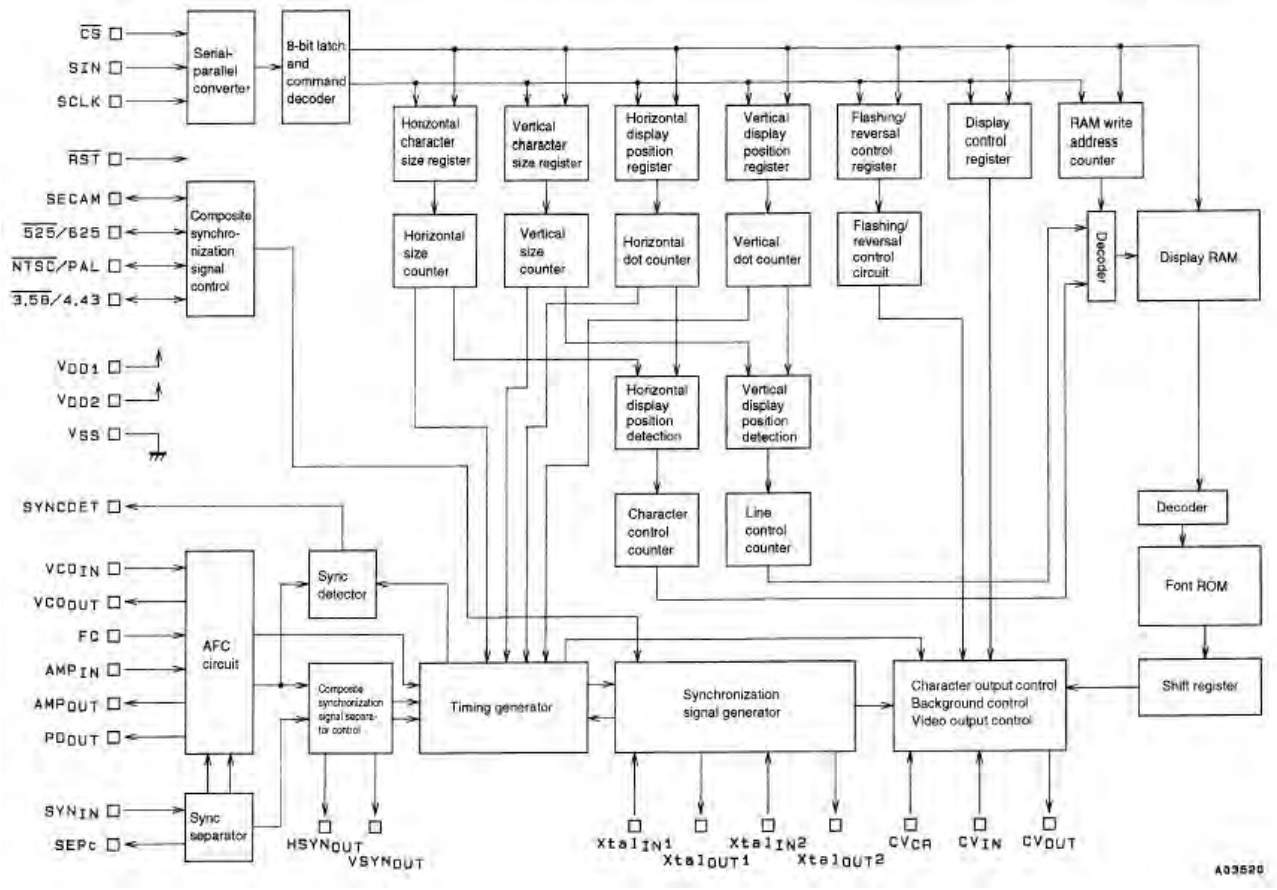
43. NJM4556AD(PROCESSOR: IC1014)



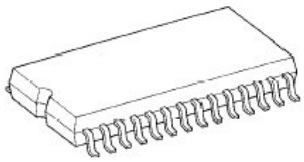
PIN FUNCTION
1.A OUTPUT
2.A –INPUT
3.A +INPUT
4.V^-
5.B +INPUT
6.B –INPUT
7.B OUTPUT
8.V^+

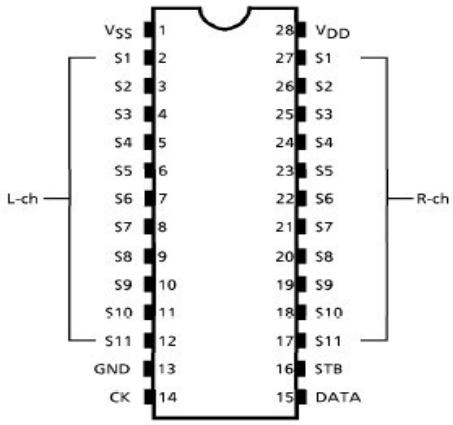
44. LC74763M (VIDEO: IC1518)

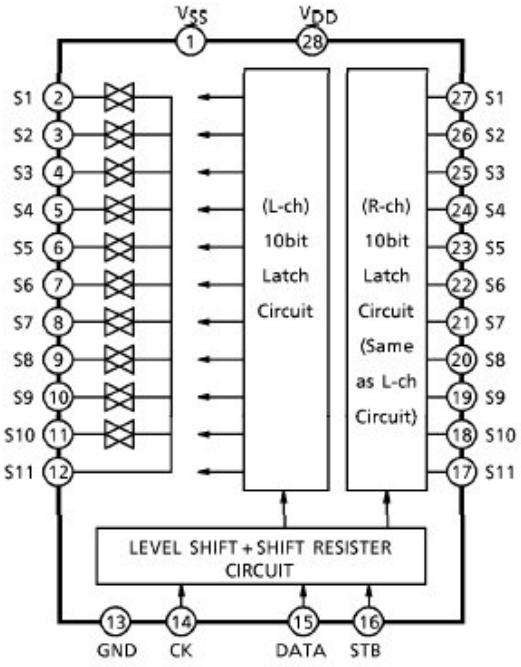




45. TC9273CFG-004(PROCESSOR: IC1000,IC1017)

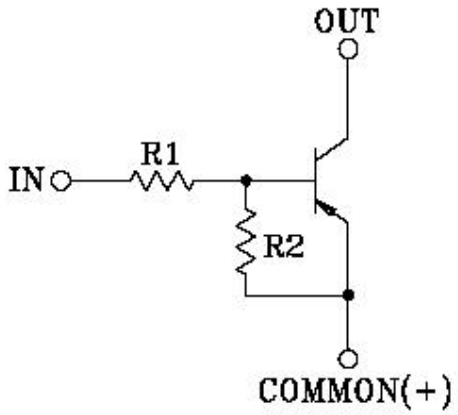


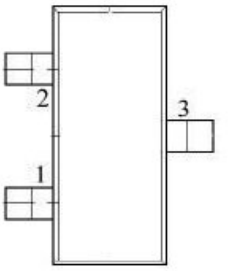




•TRANSISTORS

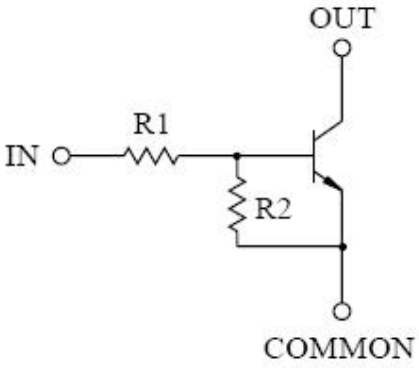
1.KRA107S (PROCESSOR : Q1028,Q1029,Q1038,Q1039,Q1046,Q1049~Q1052
VIDEO: Q1505, FRONT: Q3505)



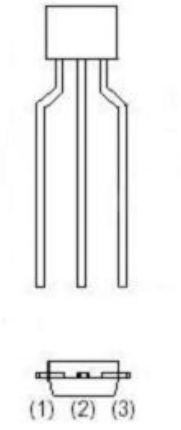


1. COMMON (EMITTER)
2. IN (BASE)
3. OUT (COLLECTOR)

2. KRC107S(PROCESSOR: Q1031, VIDEO: Q1506, HDMI: Q2008~Q2011,
FRONT: Q3505,Q3507~Q3509, DSP: Q4000~Q4007, Q4009, Q4013~4016,Q4018~Q4020)

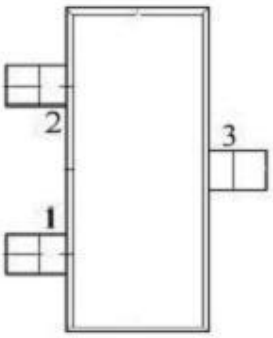


3. KTC3199-GR (VIDEO: Q1501,Q1502)
KTA1267-GR (VIDEO: Q1503,Q1504)



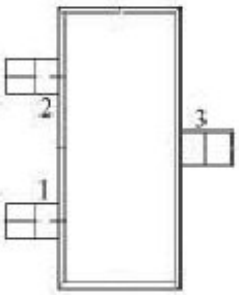
(1) Emitter
(2) Collector
(3) Base

4. KTA1504Y (HDMI: Q2004, Q2005, Q2012,Q2013, FRONT: Q3503)



1. COMMON (EMITTER)
2. IN (BASE)
3. OUT (COLLECTOR)

5. KTC3875S (FRONT: Q3501,Q3502, ETHER: Q5001)



1. COMMON (EMITTER)
2. IN (BASE)
3. OUT (COLLECTOR)

6. KTA1360 (MAIN: Q327,Q328,Q431,Q432, SURROUND: Q515,Q516,Q715)
KTC3423 (MAIN: Q323,Q324,Q429,Q430, SURROUND: QQ513,Q613,Q713)

1. EMITTER
2. COLLECTOR
3. BASE

7. 2SA1859A (MAIN: Q329 Q330 Q433 Q434 SURROUND: Q516 Q616 Q716)
2SC4883A (MAIN: Q331 Q332 Q435 Q436 SURROUND: Q517 Q617 Q717)

1.BASE
2.COLLECTOR
3.EMITTOR

8. KTA1268GR (MAIN: Q181 Q311 Q312 Q410 Q414 SURROUND: Q506 Q606 Q706)
KTC3198Y (MAIN: Q307 Q308 Q407 Q408 Q426 Q441 SURROUND: 5204 Q604 Q704)
KTC3200GR (MAIN: Q301 Q302 Q303 Q304 Q305 Q306 Q313 Q314 Q337 Q338 Q401 Q402 Q403 Q404 Q405 Q406 Q409 Q415 Q416 Q425)
(SURROUND: Q501 Q502 Q503 Q507 Q520 Q601 Q602 Q603 Q607 Q620 Q701 Q702 Q703 Q707 Q720)
MPSA06 (POWER: 3001,Q3002, FRONT: Q3506, DSP: Q4008)

1. EMITTER
2. COLLECTOR
3. BASE

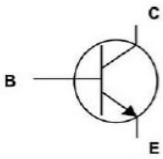
9. KTA1024Y (MAIN: Q182 Q315 Q316 Q319 Q320 Q417 Q418 Q421 Q422 Q442 SURROUND: Q508 Q511 Q608 Q611 Q708 Q711)
KTC3206Y (MAIN: Q317 Q318 Q321 Q322 Q419 Q420 Q423 Q424 SURROUND: Q509 Q512 Q609 Q612 Q709 Q712

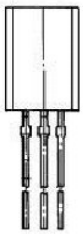
1. EMITTER
2. COLLECTOR
3. BASE

10. KRA107M (HDMI: Q2000 Q2001, DSP: Q4010)
KRC107M (MAIN: Q131 Q201 Q443)

1. EMITTER
2. COLLECTOR
3. BASE

11. 2SA1145Y (MAIN: Q309 Q310 Q411 Q412 SURROUND: Q505 Q605 Q705)

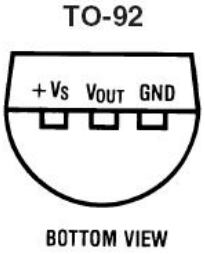


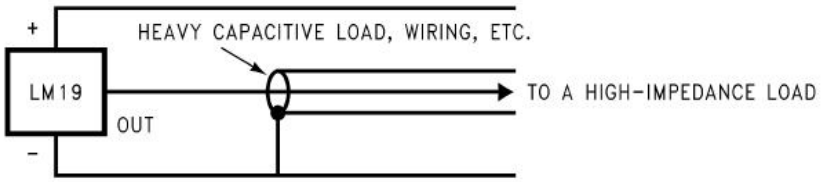


1. EMITTER
2. COLLECTOR
3. BASE

12. SA1986R (MAIN: Q335 Q336 Q439 Q440
SURROUND: Q519 Q619 Q719
2SC5358-R (MAIN: Q333 Q334 Q437 Q438
SURROUND: Q518 Q618 Q718)

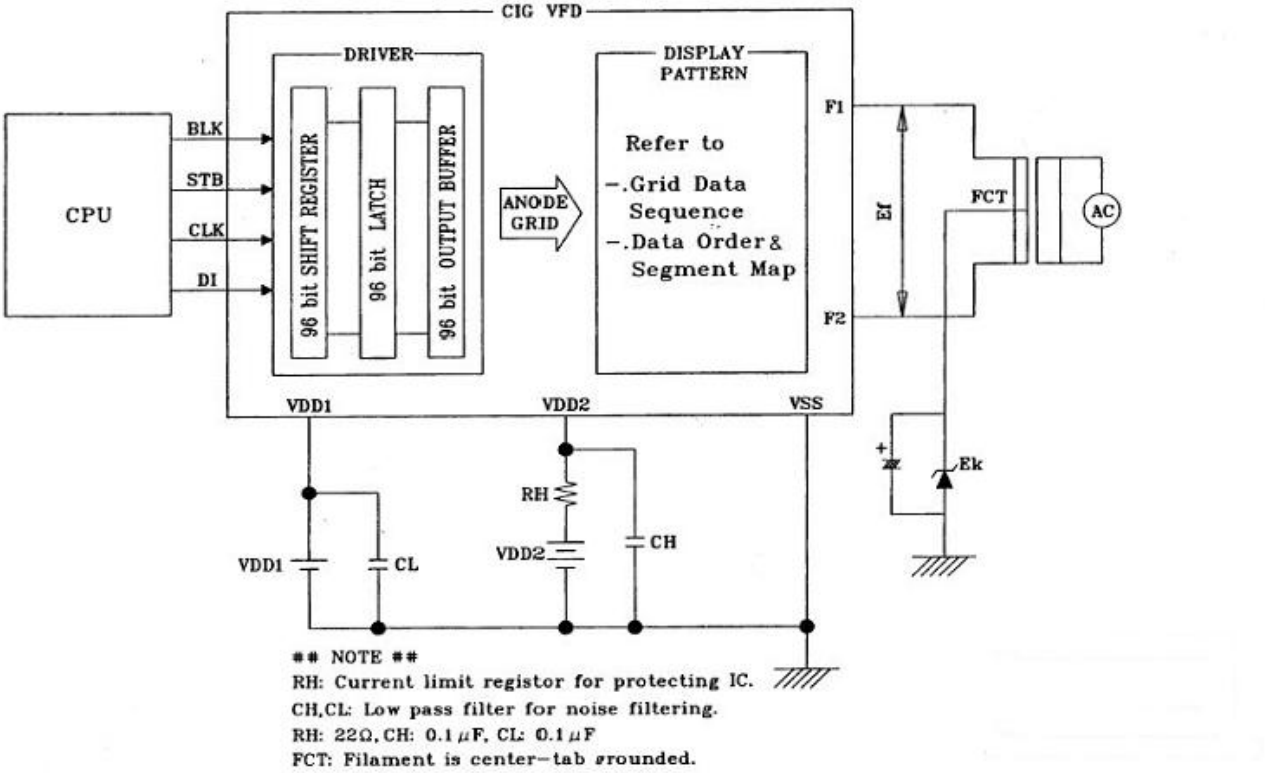
13. LM19CIZ 2.4V TO-92
(SUB: Q4011 MAI N: IC233)

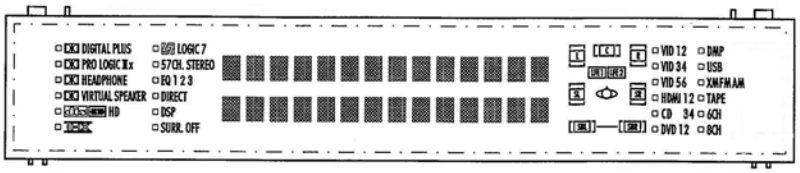


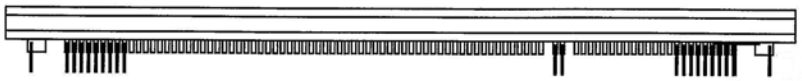


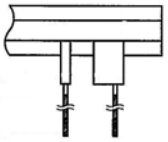
•OTHERS

1. FL HCA-18-BT-19GINK (FRONT : DP3501)









OTHER F-LEAD
LEAD DETAILS

LEAD FREE SOLDER

PIN CONNECTION

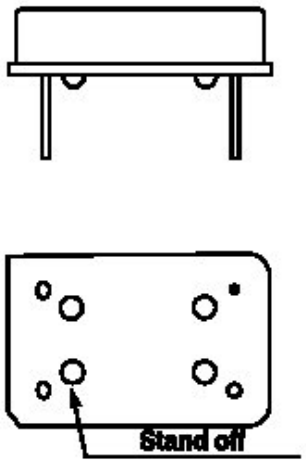
PIN NO.	1 1 1 1 1 1 0 0 0 0 0 0 4 3 2 1 0 9	9 9 9 9 9 9 9 9 9 8 7 6	~	5 4 3 2 1 0	3 3 3 2 2 9 8	~	1 1 5 4	~	6	5	4	3	2	1
CONNECTION	F2	NXX	NPP	NVHD	LPGNDK	GNDCT	NSBK	LVADTD	NX	NPd	FDd	NP	NX	NC	NPP	NPX	NX	NF1

NOTE
1) F1,F2 --- Filament
2) NP ------ No pin
3) NX ------ No extend pin
4) DL ------ Datum Line
5) LGND ---- Logic GND pin
6) PGND ---- Power GND pin
7) NC ------ No connection
(NC pin should be electrically open on the PC board)
8) Fd terminals are to be supplied through 47kΩ from VH.
9) Field of vision is a minimum of 28.6° from the upper side.
28.6° from the lower side.
10) Solder composition is Sn-3Ag-0.5Cu.
11) VH ------ High Voltage Supply pin
12) VDD ----- Logic Voltage Supply pin
13) BK ------ Driver Output Blanking
14) LAT ----- Latch Control Input
15) CLK ----- Shift Register Clock
16) SI ------ Serial Data Input

(unit in mm)

18-BT-19GINK
OUTER DIMENSION

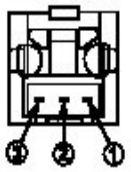
2. WIN24M576HZ (DSP Y4001)



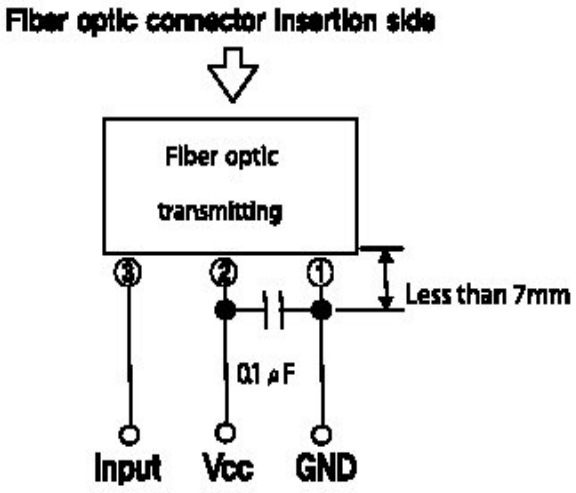
<14 PIN DIP>

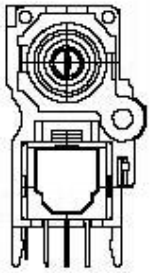
PIN	CONNECTION
# 1	INH or No Connection
# 7	Ground
# 8	Output
# 14	Vdc

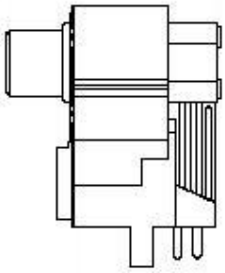
3. OPTICAL RX YKC22-0873V (DSP: JA4002~JA4004)



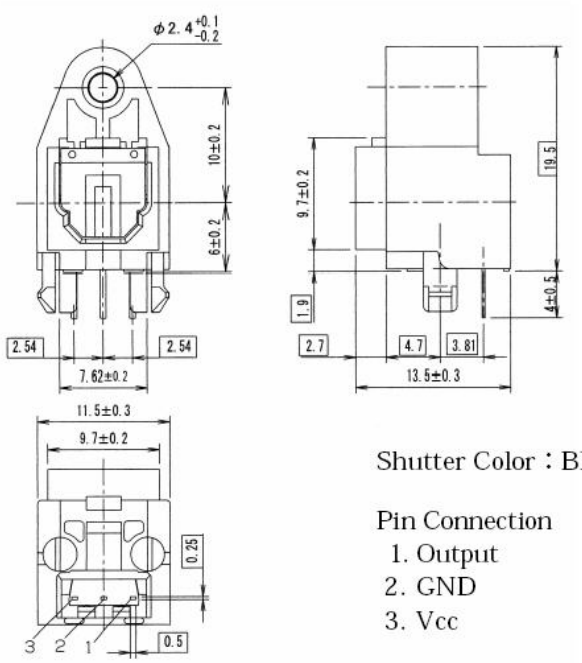
Pin connection
1. GND
2. Vcc
3. Input





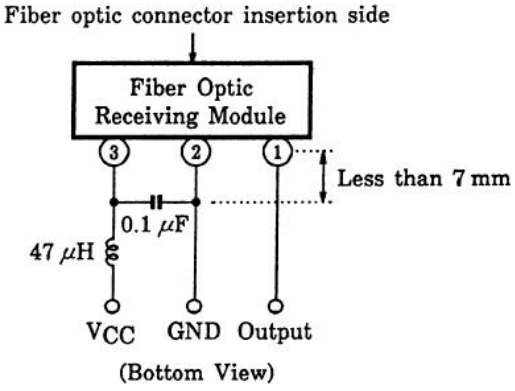


4. TORX177L (FRONT: NA3504)

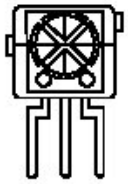


Shutter Color : Black

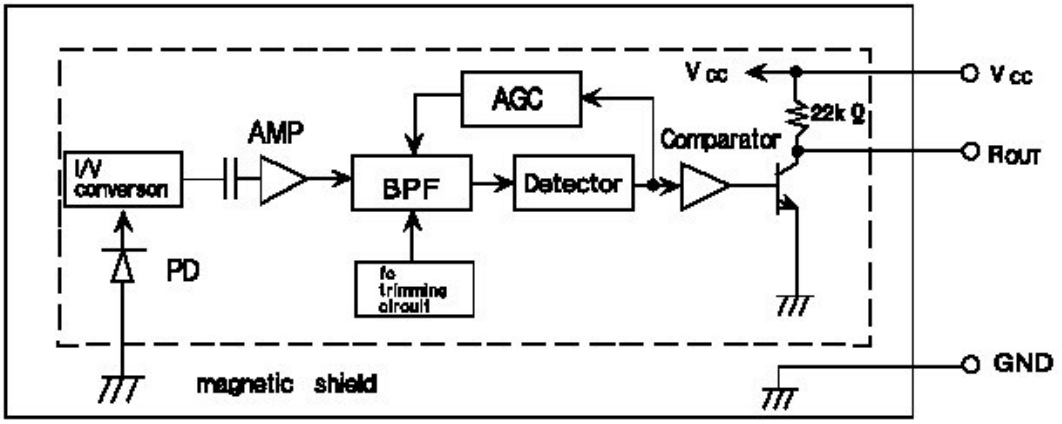
Pin Connection
1. Output
2. GND
3. Vcc



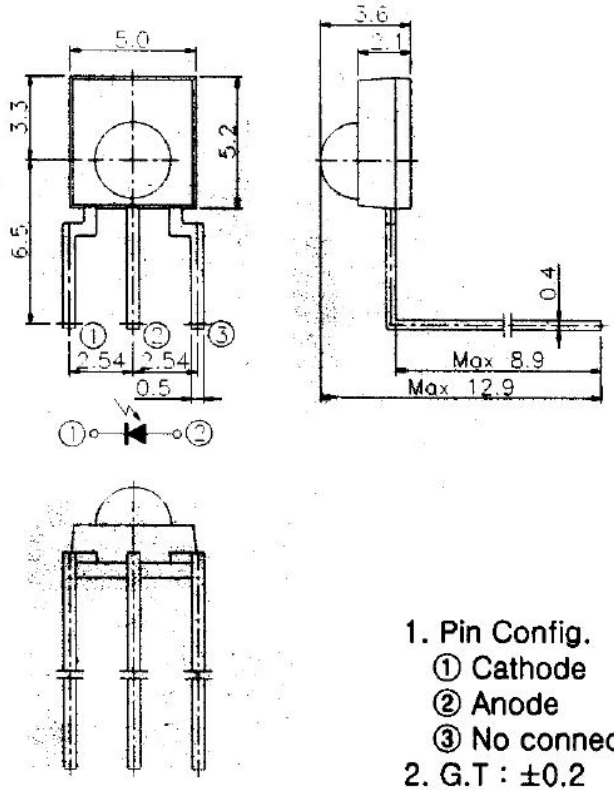
5. KSM603TE2E (FRONT: RM3501)



PIN NO.	
①	ROUT
②	GND
③	Vcc

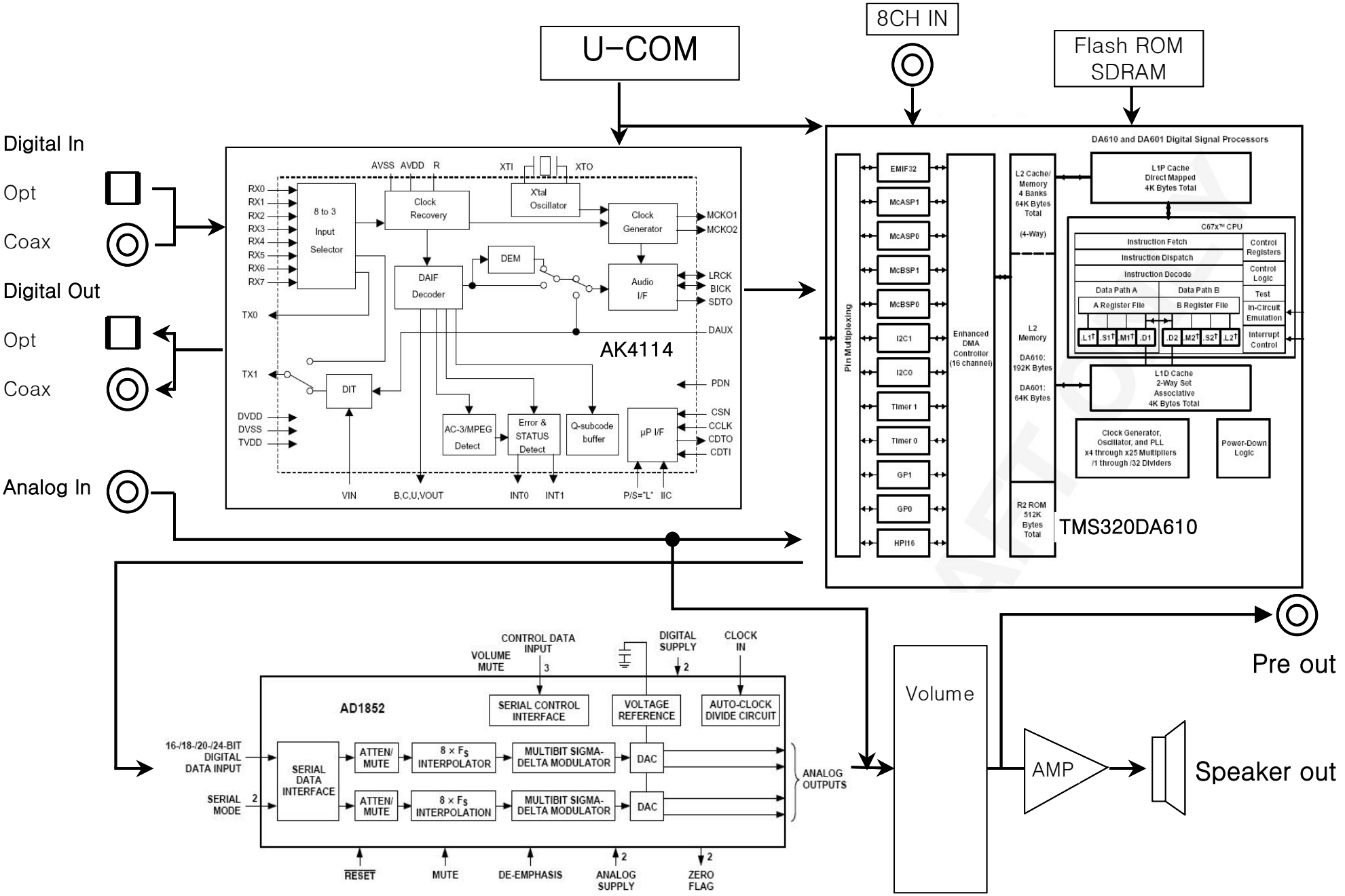


6. LP-200TL (FRONT: RM3502)



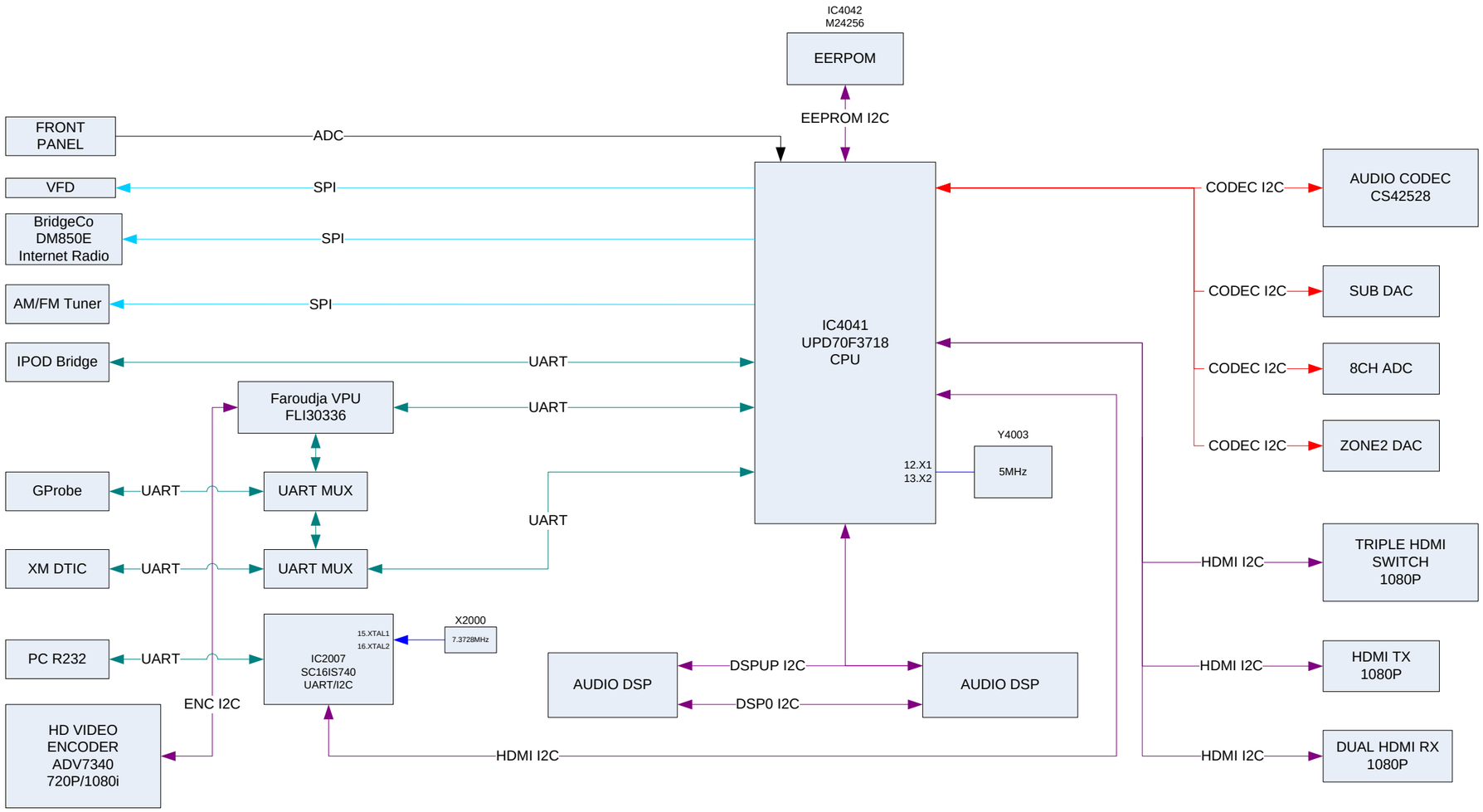
1. Pin Config.
   ① Cathode
   ② Anode
   ③ No connect
2. G.T : ±0.2

AVR 660-760 CIRCUIT DESCRIPTION



Revision List – Rev 1.6 – 2007/12/03
- Change VIDEO ENCODER I2C.

Revision List – Rev 1.8 – 2008/08/25
- Add IC reference No.



Legend
- SPI
- UART
- I2C
- I2C, different data line

Harman Consumer Group Rev 1.6
High Level Hardware Block Diagram

Harman/Kardon AVR7550HD, AVR760 & AVR660 4/26/07

Revision List – D Rev 1.4
- Change ADV7320 to ADV7340
- Delete component analog bypass
- Add clock doubler for 480i
- Add SPDIF to DSP & HDMI Transceiver

Revision List – Rev 1.5
- Change ADV7320 to ADV7340

Revision List – Rev 1.6 – 2007/12/03
- Delete Bypath Video output.
- Add DM850 USB Input

Revision List – Rev 1.8 – 2008/08/25

X1501 14.3181MHz
X1502 17.7344MHz
IC1518 LC74763
2.XIN1
3.XOUT1
5.XIN2
6.XOUT2
MULTI OSD

COMPOSITE MUL OUT
COMPOSITE REC OUT
S-VIDEO REC OUT
MUL OUT1
REC OUT

S-VIDEO
iPOD
VID1 IN
VID2 IN
VID3 IN
VID4 IN
IC1504 5x2 MUX NJM2296
IC1501 5x2 MUX NJM2296
IC1502 5x2 MUX NJM2296
IC1503 5x2 MUX NJM2296

COMPONENT
COMP1 IN
COMP2 IN
COMP3 IN
iPOD
Y Pb Pr
K1500/ K1501 2x1 RELAY
IC1521 4x2 MUX NJM2586

ETHER RJ45
USB
VIDEO BUF FROM DM850
IC2014 SN74LVC827A
VDCLK/7 BITS

X2002 19.6608MHz
IC2019 VPU FLI30336
B26.XTAL
C26.TCLK
P4.IPCLK1 27MHz
N1.IPCLK0 27~145MHz
P24.DCLK
30 BITS

IC2030, IC2031 SN74LVCH16827
BUF
36 BITS
CLK 27MHz ~ 145MHz
CLK DOUBLER
IC2025 MK2302S

30.CLKIN_A
63.CLKIN_B
27~145MHz
IC2032 VIDEO ENCODER ADV7340
YUV
IC2034 ADA4410 ANTI ALIASING FILTER

COMPOSITE MON OUT
S-VIDEO MON OUT
COMPONENT OUT
HDMI OUT
MONITOR OUT

IC2016 HDMI TRANSCEIVER DEEP COLOR SiL9134
88.IDCK 27~145MHz
5.MCK 24.576MHz

HDMI IN 1
HDMI IN 2
HDMI IN 3
HDMI IN 4
TMDS
IC2004 HDMI 3 x 1 SWITCH SiL9185
IC2009 HDMI 2 x 1 RECEIVER DEEP COLOR SiL9135
95.XTALIN
94.XTALO
28.322MHz
X2001

5.DCLK 27~145MHz
IC2021, IC2022 SN74ALVCH16827
IC2021 27.FVO_DCK 27~145MHz

SPDIF
89.MCLK 24.576MHz
I2S
IC2008 2x1 MUX
14.MCLK0 24.576MHz
12.MCLK 24.576MHz
13.MCLK1 24.576MHz
I2S TO AND FROM AUDIO DSP
SPDIF TO DSP

Legend
VIDEO Data
WITHIN THIS PAGE
FROM ANOTHER PAGE
INPUT CONNECTORS
OUTPUT CONNECTORS

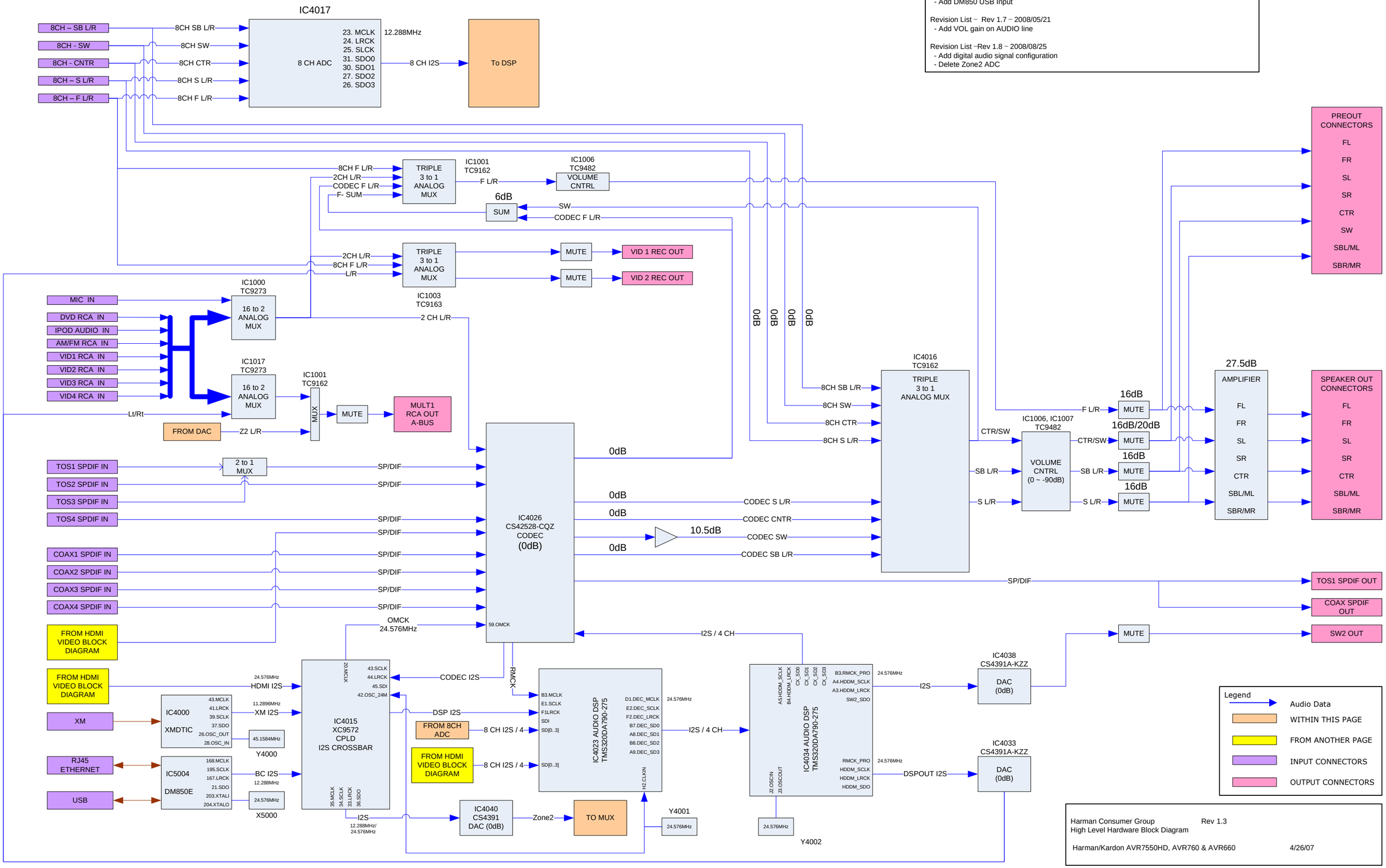
Harman Consumer Group Rev 1.3
High Level Hardware Block Diagram
Harman/Kardon AVR7550HD, AVR760 & AVR660 3/23/07

Revision List – Rev 1.4
- Change COAX4 IN/OUT to COAX4 INPUT
- Add HDMI SPDIF input from VIDEO

Revision List – Rev 1.6 – 2007/12/03
- Add DM850 USB Input

Revision List – Rev 1.7 – 2008/05/21
- Add VOL gain on AUDIO line

Revision List –Rev 1.8 – 2008/08/25
- Add digital audio signal configuration
- Delete Zone2 ADC



Harman Consumer Group Rev 1.3
High Level Hardware Block Diagram

Harman/Kardon AVR7550HD, AVR760 & AVR660 4/26/07

Wiring Diagram

Harman/Kardon
AVR7550HD/760/660

REVISION RECORD		
NO.	Date	Contents

AC
INLET
JA3000

SUPPLY B'D
N2002 N2000

HDMI B'D
N2007
+3.9VSB, TXD, GND, RXD

VIDEO B'D
N2003
P1501

SURROUND AMP B'D
3CH TEMPERATURE SENSOR GND +5V
P506 10P N505
7P N501
3P N503
N502
SBL-GND, SBR-GND, CTR-GND, G, B-, B+

FRONT FAN
2P

3CH TEMPERATURE SENSOR B'D
3CH AMP 3P N931

RS-232 B'D
4P P3250

POWER REG B'D
P5002 P5001 N5501

POWER TRANSFORMER
POWER PUSH SW
S/W B`D
(FRONT B'D)
VOLUME B'D
(FRONT B'D)
VOLUME LED
(FRONT B'D)

FRONT B'D
FUNC.SW D'B
KEY IN, GND, +5V, ST-BY — N3502
VR-IN, GND, VR-IN — N3506
LED ON, NC, -15V — N3516
11P N3501
N3503
7P N3504 TO MAIN
N3505 GND, -15V, +15V, GND, MIC-DEC

DIGITAL B'D
(FRONT B'D)
P3513 5p
P3508 F-CV, F-GND, F-SY, F-GND, F-SC, F-GND
N3507 FRONT-R, GND, FRONT-L, GND, MIC
N3510 HP-L, GND, HP-R, HP-IN
N3511 +5VD, USB-DN, USB-DP, GND, GND
N3509 +5V, OPT-IN, GND, COAX-IN

MAIN B'D
PROCESSOR B'D
DSP B'D

N114
P1007 A-BUS L, GND, A-BUS R, GND, A-BUS ON/OFF
P1003 N609
VIDEO B'D PROCESSOR/IPOD B'D TO B'D
P610
P4011 29P
P4002 17P
N3206 I-POD L, SIG-GND, I-POD R, GND, +5V, +5V, I-POD TX, I-POD RX, I-POD DETEC, I-POD CHECK, DGND
5P N3204
I POD B'D
(SUPPLY B'D)

P1002 SBR/M-R, GND, CTR, GND, SBL/M-L, GND, POWER MUTE, DC-DEC OVERLOAD, 3CH TEM SEN
N4003 11P FFC
FPC WIRE — INVERT PIN CONNECTION

P1010 — N3525 — P3535 — N4007
A-BUS ON OFF, GND, GND, GND, +5V, +5V, I-POD CHECK, I-POD DETEC, I-POD RX, I-POD TX
DSP/PROCESSOR B'D TO B'D FRONT B'D
IPOD PIN CHANGE

FPC WIRE
P106 FAN +12V, FAN GND
N131 12V-ON, GND, +12VDC, +12V-SW, GND
N102 B+, GND, B-

19P FFC
19 9482/9459 DATA, 18 9482/9459 CLK, 17 9273/9162/9163 CE1, 16 9273/9162CE2, 15 TC9482/59CE1, 14 A CLK, 13 A DATA, 12 HP IN, 11 HP MUTE, 10 MULTI MUTE, 9 REC MUTE, 8 SB MUTE, 7 F MUTE, 6 C MUTE, 5 SR MUTE, 4 SW MUTE, 3 NC, 2 PRO +3dB, 1 SW2 MUTE
DSP/PROCESSOR B'D TO B'D SUPPLY B'D
N3012 P3013

P1009 HP-L, GND, HP-R, HP-IN — P1011
N4006
FPC WIRE 21P N4010

P1005 5P — P104 5P — P105
+15V, -15V, -15V, LED GND, U-COM GND, +24V
SHIELD WIRE

N1004 — P3531 FRONT B'D — MAIN/PROCESSOR B'D TO B'D 1 — N3521
P103 — P108 — N3524
D-GND, D-GND, +5V, +5V, VCC, +15V, -15V, POWER-MUTE, DC-DET, OVERLOAD-DET, U-COM GND, ANALOG GND, ANALOG GND, FAN-OUT, MULTI-RM, P-MUTE, PROTECT, DC-LEVEL

N1005 — P3540 — MAIN/PROCESSOR/DSP B'D TO B'D — FRONT B'D
NC, NC, PRO+3DB, VCC, +15V, -15V, POWER-MUTE, DC-DET, OVERLOAD-DET, 3CH TEMP SEN, D-GND, D-GND, MULI/SB SEL(PRO +3dB), +15V, +15V, -15V, 3CH TEMPERATURE SENSOR, D-GND, ANALOG GND, ANALOG GND, FAN-OUT, MULTI-RM, P-MUTE, PROTECT, DC-LEVEL

P1011 HP-L, GND, HP-R, HP-IN
N4011 P3534 — D-GND, D-GND, MULI/SB SEL(PRO +3dB), +15V, +15V, -15V, 3CH TEMPERATURE SENSOR, D-GND, ANALOG GND, ANALOG GND, FAN-OUT, MULTI-RM, P-MUTE, PROTECT, DC-LEVEL

P4000 5P — P4004 9P — P1004 4P — P4002 — N4000 — N1003
P102 — MAIN/PROCESSOR B'D TO B'D 2 DSP B'D — CTR, G, SW, G, SBL, G, SBR

P1006 — P107 +5V-MAIN, D-GND ×7 — N4004 — DSP B'D — P4006 7P — N111
P1008 — P117 — N4001 — DSP/PROCESSOR B'D TO B'D FRONT B'D — SBL, GND, SBR, GND, SW MIX, GND, L-IN, GND, R-IN, GND, LT, GND, RT, GND, SW2, +6dB, MUL-RO, SB-SEL, MUL-LO
P3536 N3526 — MULT-L, GND, MULT-R, GND, 8CH L, GND, 8CH R, GND, FL, GND, FR, GND, SL, GND, SR, GND, CTR, GND, SW
N4009 2.5mm 7P

P115 — FRONT B'D BIAS SR B'D TO B'D — N3523 — P3533 4P — N107 — SR
P116 — FRONT B'D BIAS FR B'D TO B'D — N3522 — P3532 4P — N106 — FR
P118 — VIDEO B'D BIAS SL B'D TO B'D — N1515 — P1516 4P — N109 — SL
VIDEO B'D BIAS FL B'D TO B'D — N1513 — P1515 4P — N108 — FL
DSP B'D
P3309 N3311 — N4005
BIAS/POS B'D — MAIN B'D

P110 3P — N110 — 4CH TEM SEN, +5.6V XM, +5VD, +5VD, +3.3V, +3.3V, +3.3V

TUNER B'D
CON01 — CON02
T-MUTE, 72132-CE, 72132-DA, 72132-CLK, TUNED, PLL-IN, RDS-GND, RDS-DA, RDS-CLK
T-R, GND, T-L, +15V

ETHER B'D
N5001 — P4001 — VIDEO B'D N1511 — P1511
DGND, USB-SCLK, USB-LRCK, USB-MCLK, USB-SDO, +3.3VD, +3.3VD, +5V, DGND, DGND
N5004 — N5003
GND, AVODATA0, AVODATA1, AVODATA2, AVODATA3, AV1DATA0, AV1DATA1, AV1DATA2, AV1DATA3, AVO CLK, GND
P5002 +5VD, USB-DN, USB-DP, GND, GND

Category	AV RECEIVER		Model	AVR7550HD/760/660
Stage	Ver.	Sheet		B'D name
PMP		1 / 1		WIRING
Draw	Approved	Date		Drawing No
WD KIM		APR.13.2009		

Schematic Diagram

harman kardon
AVR7550HD/760/660 PROCESSOR 1/2

REVISION RECORD		
NO.	Date	Contents

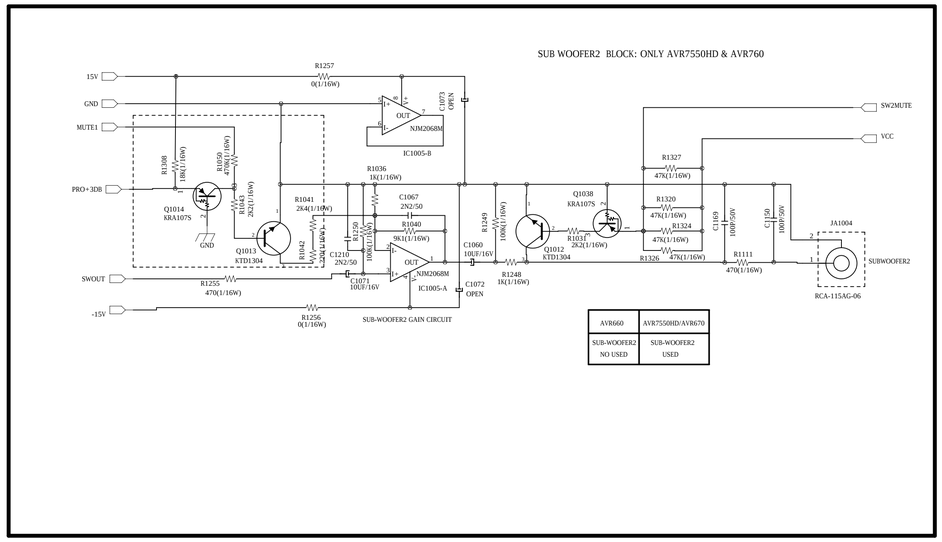
Category	AV RECEIVER	Model	AVR7550HD/760/660
Stage	Ver.	Sheet	B'D name
MP	V4.10	/	PROCESSOR
Draw	Approved	Date	Drawing No
		APR.13.2009	

*** THE UNIT OF RESISTANCE IS OHM.
K=1000 OHM, M=1000 KOHM.
*** THE UNIT OF CAPACITANCE IS MICROFARAD (uF)
pF=10 uF
*** THIS SCHEMATIC DIAGRAM MAY MODIFIED AT ANYTIME WITH THE IMPROVEMENT OF PERFORMANCE.

Schematic Diagram

harman kardon
AVR7550HD/760/660PROCESSOR 2/2

REVISION RECORD			
NO.	Date		Contents



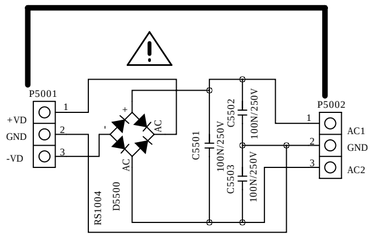
*** THE UNIT OF RESISTANCE IS OHM.
K=1000 OHM, M=1000 KOHM.
*** THE UNIT OF CAPACITANCE IS MICROFARAD (uF)
pF=10 ¯3F
*** THIS SCHEMATIC DIAGRAM MAY MODIFIED AT ANYTIME WITH THE IMPROVEMENT OF PERFORMANCE.

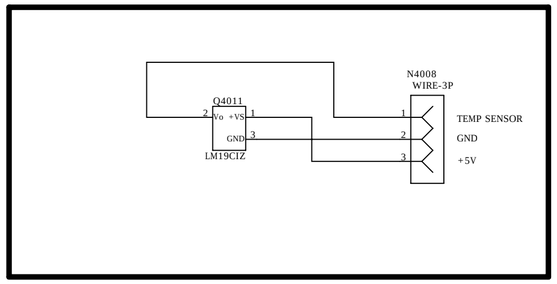
Category	AV RECEIVER	Model	AVR7550HD/760/660
Stage	Ver.	Sheet	B'D name
MP	V4.10	/	PROCESSOR

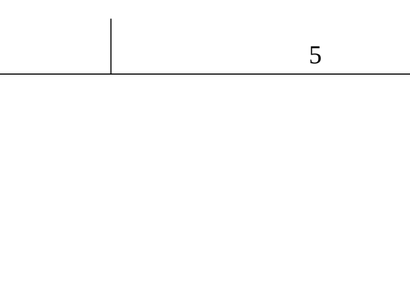
Draw	Approved	Date	Drawing No
		APR.13.2009	

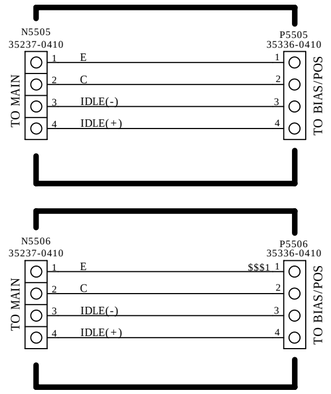
REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

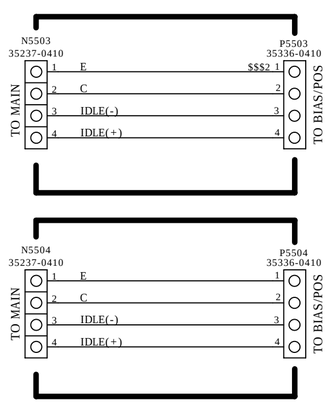
POWER REG B'D



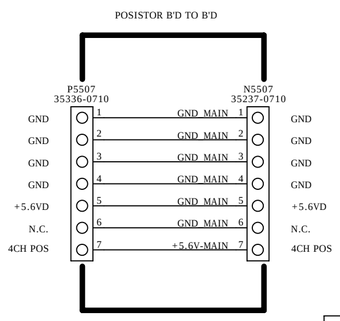




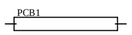




POSISTOR B'D TO B'D



PCB PART-CODE



DRAWN: J.S.CHOI	DATED: 2009.04.13	COMPANY: A/V RECEIVER	
CHECKED: J.S.CHOI	DATED:	TITLE: HK AVR7550HD/AVR760/AVR660	
QUALITY CONTROL:	DATED:	CODE:	SIZE: A2 / DRAWING NO: SUB PCB / REV: MP
RELEASED:	DATED:	SCALE: 1	SHEET: 1OF

Schematic Diagram

harman/kardon

AVR7550HD/760 VIDEO 1/2

REVISION RECORD		
NO.	Date	Contents

FROM HDMI B'D

P1501 FAM250-40G01-6T

IPOD B'D

P1500 IPOD-CV(Pb) / S-GND / IPOD-SY(Pr) / S-GND / IPOD-SC(Y)

IC1505 IC1506 IC1507 NJM2505AF

IC1517 KIA7806API 47UH-5%-RADIAL L1502

IPOD-PB IPOD-PR IPOD-Y

JA1500-B C80300312G — VIDEO3

JA1500-A C80300312G — SUPER VIDEO2

JA1501-A C80200212G — VIDEO1

COMPOSITE & SUPER VIDEO INPUT SECTION

*ADD

IC1501 NJM2296M — CVBS INPUT

IC1502 NJM2296M — SY INPUT

IC1503 NJM2296M — SC INPUT

IC1504 NJM2296M — MULTI ROOM

IC1513 BU4094BF — INPUT 2296 E — SW5 COMPIN_SEL2 COMPIN_SEL1 COMP_I_O_MUTE

IC1514 BU4094BF — M_SW5 M_CV_MUTE IPOD_COMP3_SEL

CV / SY / SC → C1653 220/10 R1536 75R-03-1% AN_CV_IN; C1652 220/10 R1537 75R-03-1% AN_SY_IN; C1651 1/50 R1538 75R-03-1%

M-CV

ENC_CV C1566 1000/6.3 R1542 75R-03-1% CV

ENC_SC C1568 47/16 R1543 75R-03-1% SC

ENC_SY C1567 1000/6.3 R1544 75R-03-1% SY

JA1500-C C80300312G — MON OUT

V4-CV_I / V4-SY_I / V4-SC_I → WIRE-6P N1504 → FRONT VIDEO B'D

JA1501-B C80200212G — VIDEO2 REC OUT

CV / SC / SY → 78R7-03-1% R1553 / R1554 / R1555

IC1519 MM1505XNRE

JA1502 JB010031YG — ZONE2 OUT

M_CV_IN — M_INPUT_CHECK — M_CV_OUT(OSD) — MULTI_CV_OUT

IC1518 LC747E3M

OSD_CE OSD_DATA OSD_CLK M_SYNC_CHK M_CV_MUTE

*** THE UNIT OF RESISTANCE IS OHM.
K=1000 OHM, M=1000 KOHM.
*** THE UNIT OF CAPACITANCE IS MICROFARAD (uF)
pF=10^-6 uF
*** THIS SCHEMATIC DIAGRAM MAY MODIFIED AT ANYTIME WITH THE IMPROVEMENT OF PERFORMANCE.

PCB1

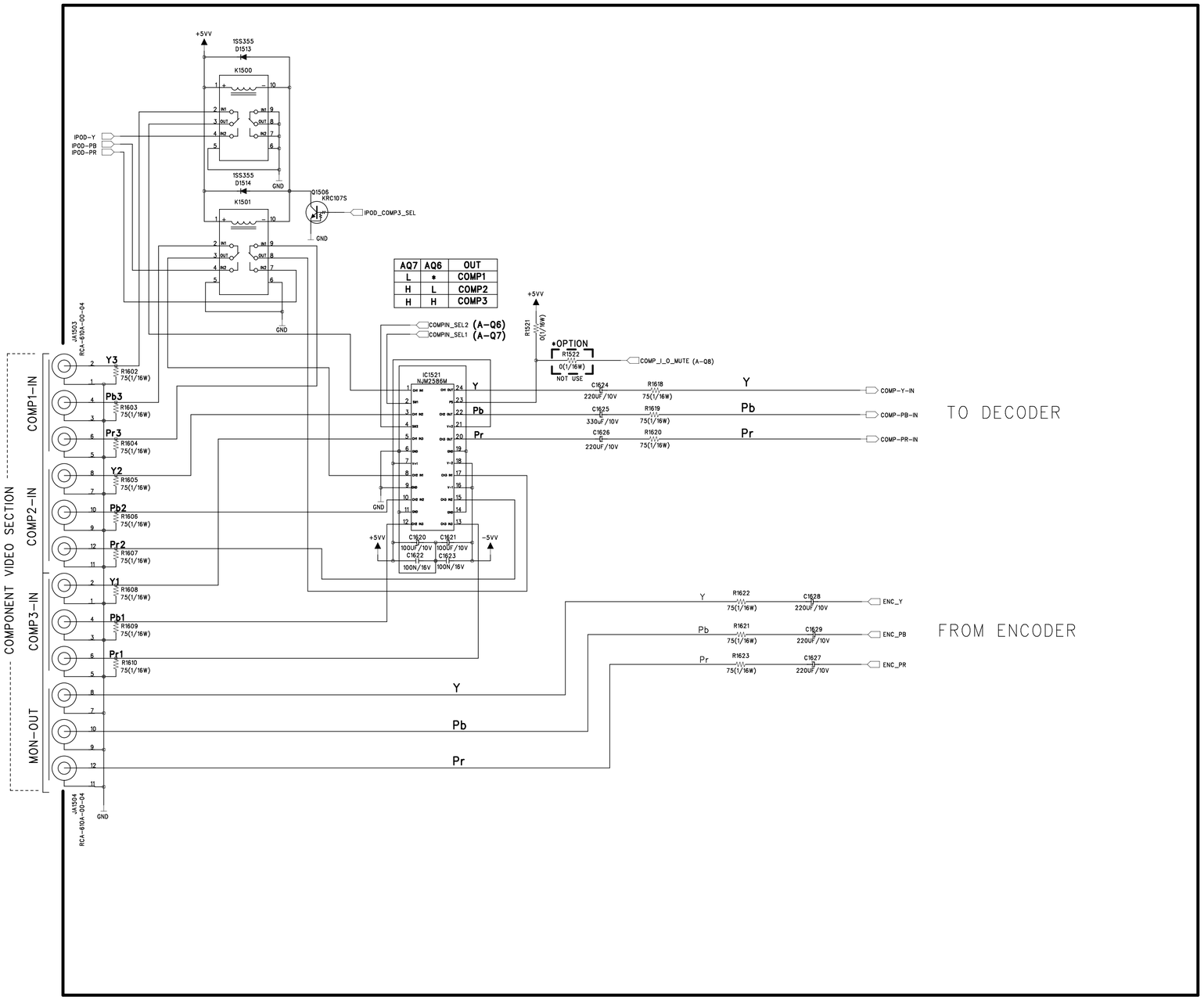
Category	A/V RECEIVER	Model	AVR7550HD/760	
Stage	Ver.	Sheet	B'D name	
MP	V4.10	1 / 2	VIDEO	
Draw	Approved	Date	Drawing No	
J G EOM		APR.13.2009		

Schematic Diagram

harman/kardon

AVR7550HD/760/660 VIDEO 2/2

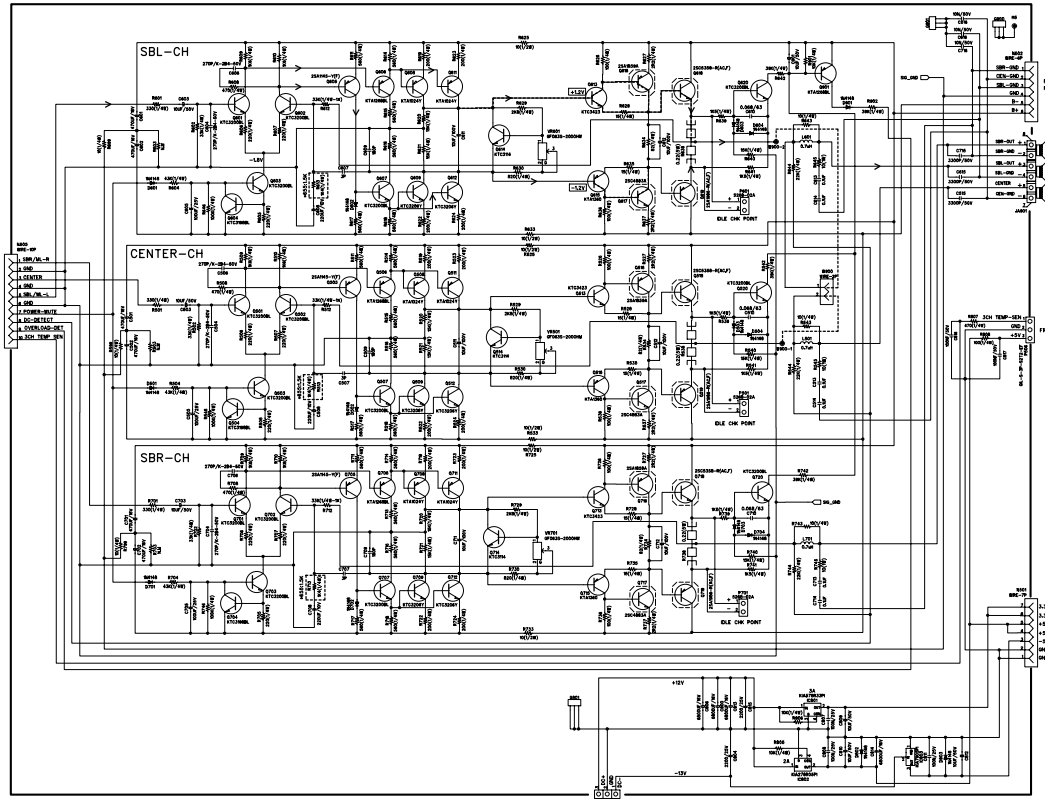
REVISION RECORD			
NO.	Date		Contents



*** THE UNIT OF RESISTANCE IS OHM.
K=1000 OHM, M=1000 KOHM.
*** THE UNIT OF CAPACITANCE IS MICROFARAD (uF)
PF=1000 uF
*** THIS SCHEMATIC DIAGRAM MAY MODIFIED AT ANYTIME WITH THE IMPROVEMENT OF PERFORMANCE.

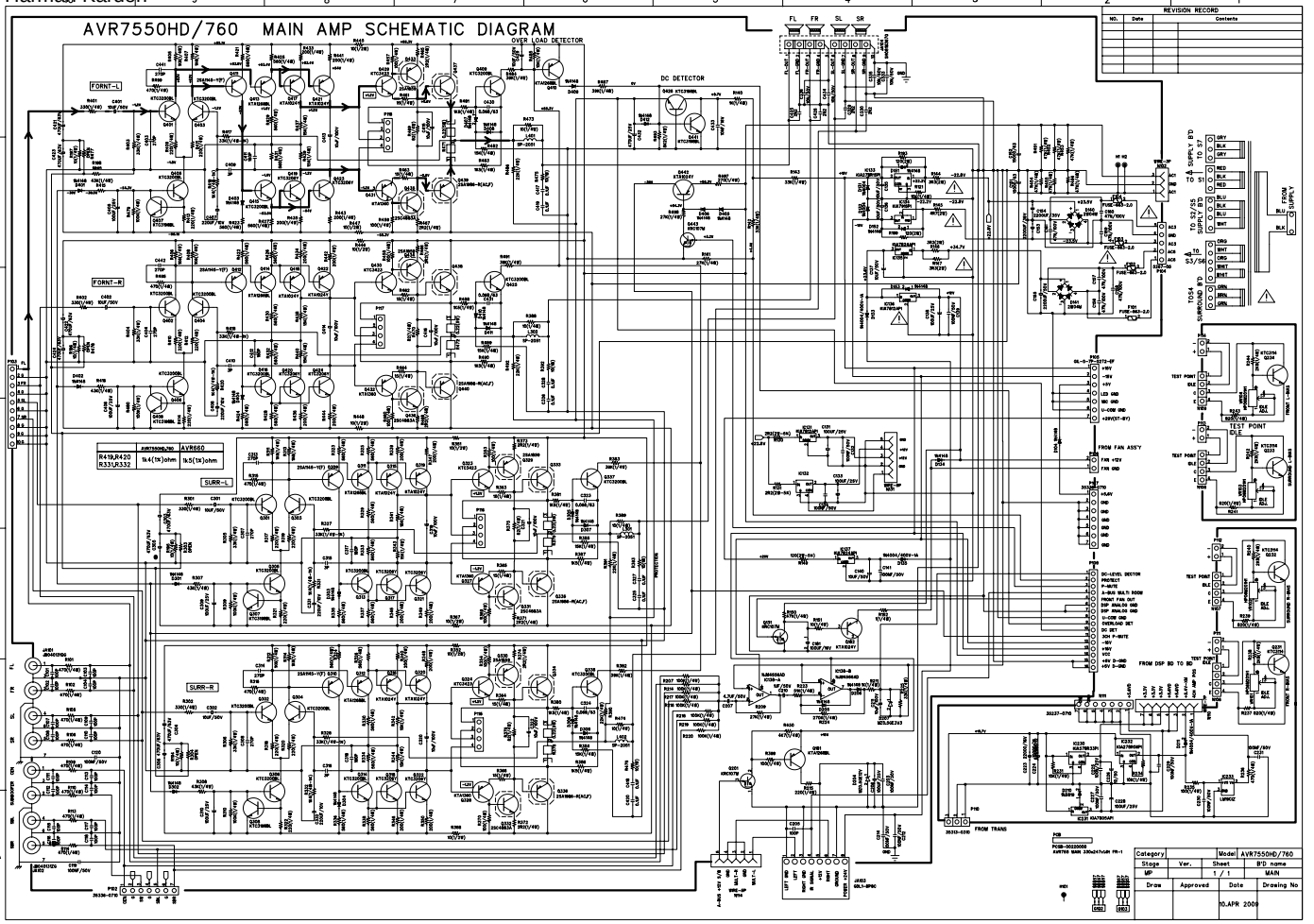
Category	A/V RECEIVER	Model	AVR7550HD/760	
Stage	Ver.	Sheet	B'D name	
MP	V4.10	2 / 2	VIDEO	
Draw	Approved	Date	Drawing No	
		APR.13.2009		

SCHEMATIC DIAGRAM AVR7550HD/760EU SURROUND AMP B'D



REVISION RECORD		
NO.	Date	Contents

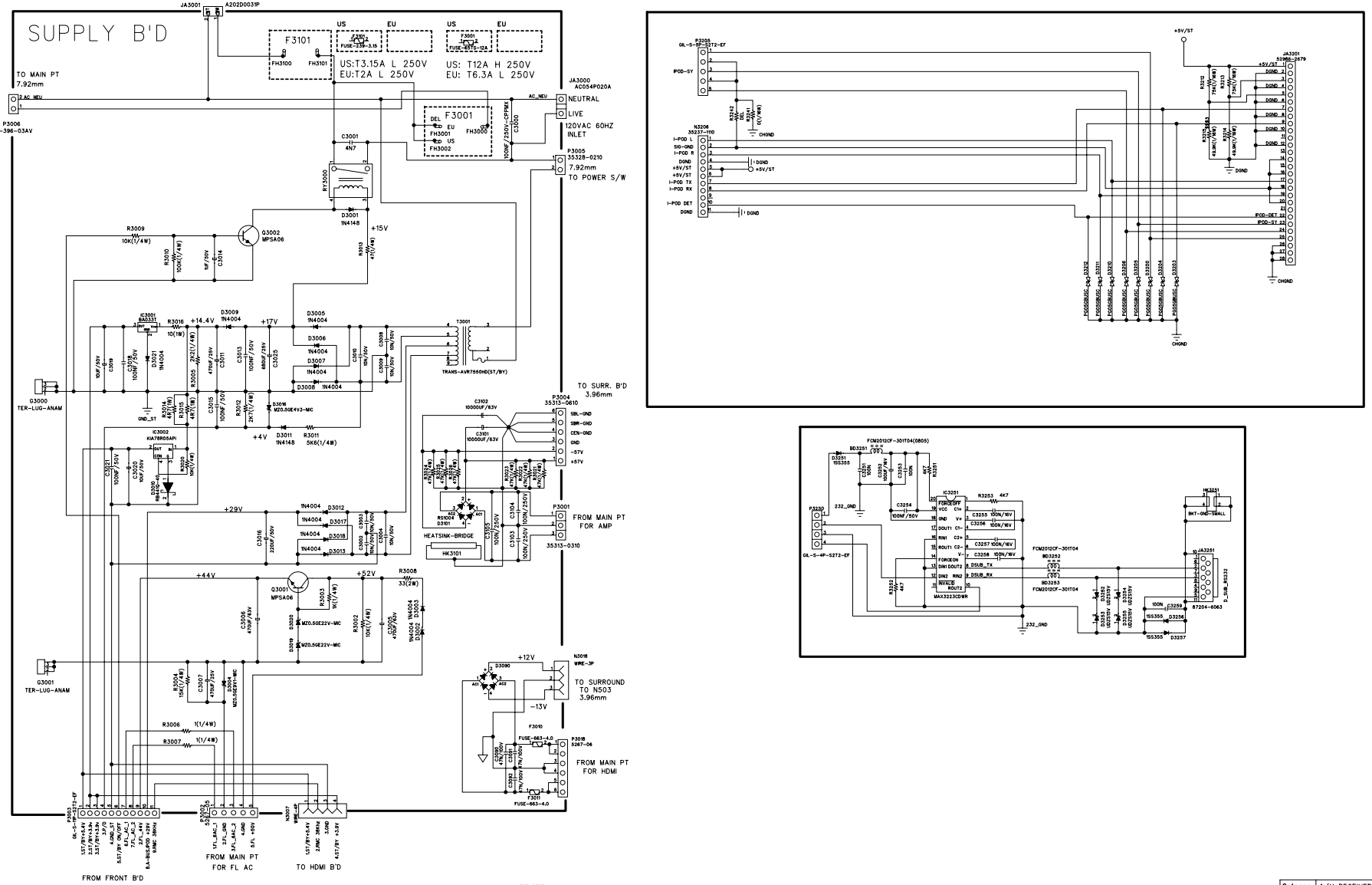
Category	A/V RECEIVER	Model	AVR7550HD/760EU	
Stage	Ver.	Sheet	B'D name	
MP	0.0	1/1	SURROUND	
Draw	Approved	Date	Drawing No	
		2009.04.09		


AVR7550HD/760 MAIN AMP SCHEMATIC DIAGRAM
OVER LOAD DETECTOR
DC DETECTOR
FRONT-L
FRONT-R
SURR-L
SURR-R
AVR7550HD/760
AVR660
R419,R420 1k4(1%)ohm 1k5(1%)ohm
R331,R332
REVISION RECORD
NO. Date Contents
FL FR SL SR
FROM FAN ASSY
FROM DSP BD TO BD
FROM TRANS
TEST POINT
IDLE
Category Model AVR7550HD/760
Stage Ver. Sheet P/D name
MP 1 / 1 MAIN
Draw Approved Date Drawing No
10.APR 2006

Harman Kardon

SCHEMATIC DIAGRAM
harman kardon
AVR7550HD SUPPLY

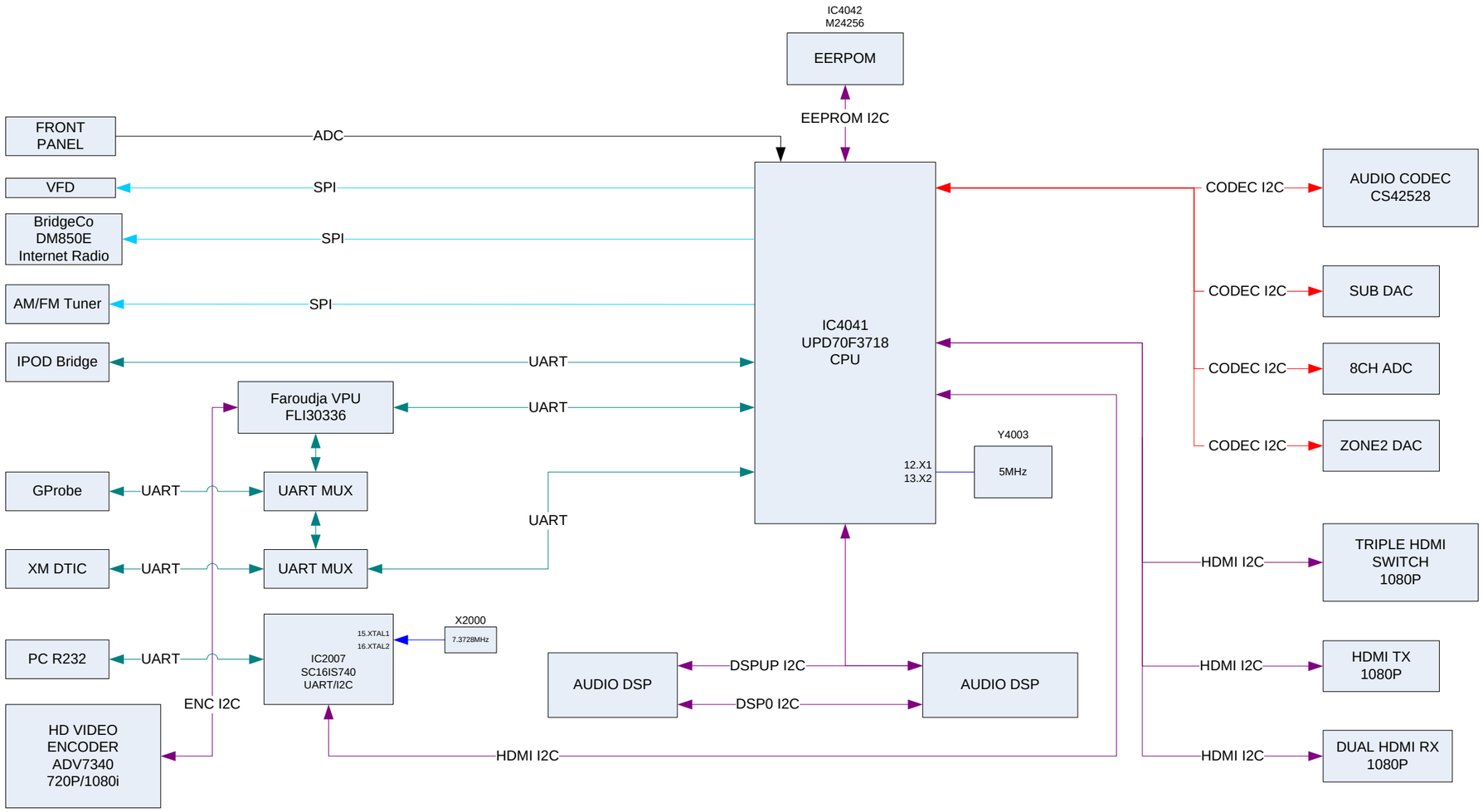
REVISION RECORD		
NO.	Date	Contents



Category	A/V RECEIVER	Model	HK AVR7550HD
Stage	Ver.	Sheet	B'D name
MP	0.0	1 /	SUPPLY
Draw	Approved		Drawing No

Revision List – Rev 1.6 – 2007/12/03
- Change VIDEO ENCODER I2C.

Revision List –Rev 1.8 – 2008/08/25
- Add IC reference No.



Legend
- SPI
- UART
- I2C
- I2C, different data line

Harman Consumer Group Rev 1.6
High Level Hardware Block Diagram

Harman/Kardon AVR7550HD, AVR760 & AVR660 4/26/07

REVISION RECORD			
NO.	Date	Contents	

HK AVR755(AVR7550HD, AVR760, AVR660) DSP BOARD

Rev: MP v01

NOTE 1: ALL DISCRETE PARTS ARE 0603 SIZE UNLESS OTHERWISE NOTICED
NOTE 2: ALL RESISTORS WITH TOLERANCE 5% UNLESS OTHERWISE NOTICED

Rev : HMS-0.5
- Assign DSP McASP for ZONE II

Rev : HMS-0.6
- Correct IPOD connection
- Change NJ34 to YKC22-0872V
- change DSP bypass CAP size to 0402
- delete decoupling CAP ELEC of buffer IC
- delete ETHER B'd UART

Rev : HMS-0.7, PCB : HMS09
- Change SDRAM from K4S161622 to K4S641632
- Change Y201 DIP type to SMD type
- Delete D4 on JTAG 3.3VD

Rev : HMS-0.8
- Delete U118 & U119 because of communication path change
- Delete DSP I2C0 connection between MCU and DSP
- Delete AVR450 option
- Connect CS5368 SDA to SUB2 SDA
- Change 8CH Input Jack to GOLD type
- Del DMSW2-SDA pull-up resistor
- add 10K ohm for DSP boot mode
- Change ZONE2 ADC to Master mode
- Add Zone2 MCLK control at CPLD
- Change CAP value of VFD and Tuner control line
- Add DSP I2C0 control for DSP bootmode.

Rev : HMS-0.9
- Delete USB_CPU_UP connection.
- Change ETHER IRQ pull-up to pull-down
- Change COAX1 & 3 input RES to 470 ohm
- Change R307 from 100 to 47 for VFD DI
- mapping 8CH I2S by input order

Rev : HMS-1.0
- add pull-down on MHOST of ETHER
- change BACK-UP capacitor to 3300uF
- change reference number.

Rev : HMS-1.1
- Change wire connection
- change reference number.
- 4 Array SMD RES LIB CHANGE
- Change Axial bead to SMD bead
- Delete DEC_SEL2 which is 1st DSP input selector
- Change 4094(Shift Register) pin assignment
- Delete Front Analog Output mute and Front Digital Output control
- Delete COAX output for FRONT

Rev : TMS1-0.1
- New Revision for TMS1

Rev : TMS1-0.2
- PCB TMS1 v0.2

Rev : TMS1-0.4
- Change XMDTIC 4A to 3B

Rev : TMS1-0.5
- Change SN74LVC1G125DCKT to SN74LVC1G125DBVR

Rev : TMS1-0.6, PCB : TMS1 v06
- Add option resistor on Zone2 I2S Input and Output

Rev : TMS1-07, PCB : TMS1 v07
- Change 8CH input RCA JACK

Rev : TMS1-08, PCB : TMS1 v08
- Apply PCB design rule
- Change IC4060 to PC-17K1C

Rev : TMS2-01
- Change C4184 to 0.047uF Super CAP
- R4415, R4416, R4417, R4297 : 0 -> 330
- C4059, C4041, C4532 : del
- R4013, R4014, R4017 : ADD 330 OHM
- C4532, 4533, C4059, C4014, C4031, C4041, C4257 : ADD 33PF
- Set to US option

Rev : TMS2-02
- Change to ANAM's alternative part
  : BD4017, IC4005, IC4043, C4184, IC4020, IC4029, IC4022, IC4027
  : IC4031, IC4036, IC4045, JA4000, IC4042
- XM 3V3 REG change
- P4012 : ADD
- Delete 33pF on Digital Input
  : C4014, C4041, C4031, C4059, C4532, C4533, C4257
- Add COAX2 Input Buffer
: IC4063, R4005 : ADD

Rev : TMS2-03
Add ZONE2 Bypass option
- R4010, R4011, R4012 : ADD

Connect XMFRAM and XMGND
- R4224, R4225 : DEL

Add DSP I2C debug option
- R4024, R4027 : ADD

Delete CODEC 3.3V 10N cap
- C4326, C4380 : DEL

Rev : TMS2-04
Change Pin connection of external connector
Change IC4061 VCC from 5V to 3.3V

Rev : TMS2-05

Rev : DPP-00, PCB : DPP-v02 11/22
Assign new stage name for ANAM : DPP

Rev : LPP-00
XM X-tal CAP change
- C4000, C4006 : 30pF -> 22pF

Bottom 4P Array RES 2012 -> 3216
- R4408, R4410, R4419, R4424, R4490, R4497, R4499, R4508

A-BUS Remote Input
- R4204 : DEL, D4008 : ADD

Rev : LPP-01
Delete Connector B'd
96K Eye Pattern
- C4209 : 100pF -> 22pF, C4051 : DEL, R4013 : ADD

192K Detection Issue
- R4005, R4028, R4029 : 470 -> 330 Ohm
- R4013 : DEL and pattern short

Delete Zone2 ADC

Rev : LPP-02
MCU change for ROM size
- IC4041 : uPD3717 -> uPD3718

EMI filter change
- IC4020, IC4029 : ANAM part to TDK ACF series

Rev : LPP-03
COAX OUTPUT
- R4013 : 330 -> 100

DSP interrupt option
- R4179, R4180 : ADD

Rev : LPP-04 - ECN11
Digital output & Front digital input
- Change 74HC04 to 3 of 74LVC1G125

EMC improvement
- C4093, C4082, R4058 : DEL
- R4380, R4395, R4421, R4484 : BEAD

Rev : LPP-05, PCB : LPP-05
PCB Artwork revision

Rev : LPP-06, PCB : LPP-06
Fix delating test failure
- C4170, C4181 : 10/16 -> 10/50
- C4083, C4080 : 100/16 -> 47/25

Rev : LPP-07, PCB : LPP-06
Change HDMI I2C pullup resistor
- R4580, R4581 : 4.7K -> 2.2K

Rev : PP-00, PCB : PP-00
Add dummy pad to IC4061, IC4062
Delete DSP I2C debug pin header
- J4000, J4001, TP4000 : DEL

Change COAX output
- R4276 : 240 -> 200, R4277 : 10 -> 0

Rev : PMP-01, PCB : PMP-01
add +3dB to SUB & SUB2 gain
- R4101 : 18K -> 8.2K
- R4104 : 680 -> 8.2K
- R4434 : 680 -> 18K
- R4534 : 2K7 -> 3K3
- R4535 : 68 -> 560

add R4194 to use standard RES value

Rev : PMP-02, PCB : PMP-02
Decrease 8ch ADC -15VDC serial RES
- R4407 : 100 -> 68

Match COAX output impedance
- R4276 : 100 -> 270
- R4278 : 75 -> 100

Rev : PMP-03, PCB : PMP-03
Remote noise on FL,FR,SL,SR
- BD4026 : DEL
- C4162, C4163 : ADD 470/10V
- C4257, C4258 : ADD 0.1UF
- L4005 : ADD 10uH

Rev : PMP-04, PCB : PMP-04
Change PCB MECH hole data
Add EU XM discharge resistor
- R4194 : ADD 100K

Rev : PMP-05, PCB : PMP-04
Change Y4001 vendor from SUNNY to WOOIN
Change EU XM discharge resistor
- R4194 : 100K -> 10K

Change ETHER 3.3V inductor
- L4005 : 0411 series -> 0813 series

Rev : PMP-06, PCB : PMP-05
Change Y4000 ANAM part code by vendor change

Rev : PMP-07, PCB : PMP-06
Change ETHER 3.3V Inductor
- L4005 : 0813 -> MIP3226D-100M
- L4006 : add MIP3226D-100M

Rev : PMP-08, PCB : PMP-07
Change A-BUS remote circuit
- D4008 : DEL(OPTION)
- R4204 : Add 0 ohm

PCB code change

Rev : MP-01, PCB : MP-01
Revision change

Rev : MP-01, PCB : MP-01
Revision change: 2010/OCT/08 ANAM

Category	A/V RECEIVER	Model	HK AVR760/660
Stage	Ver.	Sheet	B'D name
MP	v01	1 / 9	DSP

Draw	Approved	Date	Drawing No
		2010.10.08	

REVISION RECORD		
NO.	Date	Contents

HDMI B'D

US ONLY

EU ONLY

For MCU UPGRADE

AVR755 ONLY

From MAIN B'D

From MAIN B'D

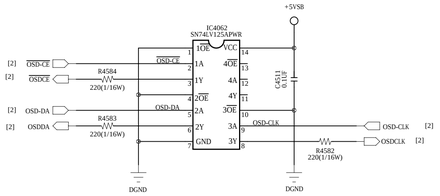
A-BUS OPT.

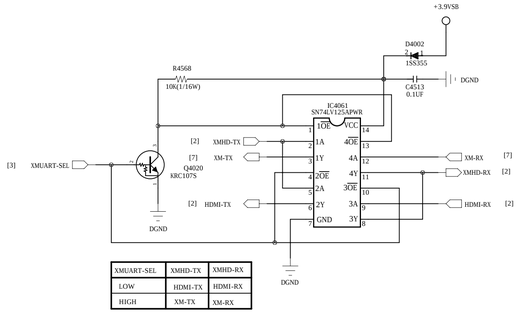
+5VXM : XM DTBUS
5.0Vdc ~ 5.5Vdc, 0 ~ 500mA

+5VD : USB
4.75Vdc ~ 5.25Vdc, 0 ~ 500mA

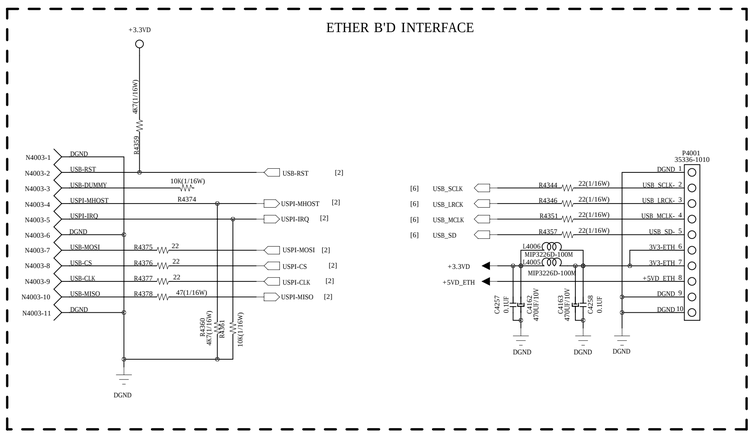
Category	A/V RECEIVER	Model	AVR7550HD/760/660
Stage	Ver.	Sheet	B'D name
MP	v01	2 / 9	DSP
Draw	Approved	Date	Drawing No
		2009.04.13	

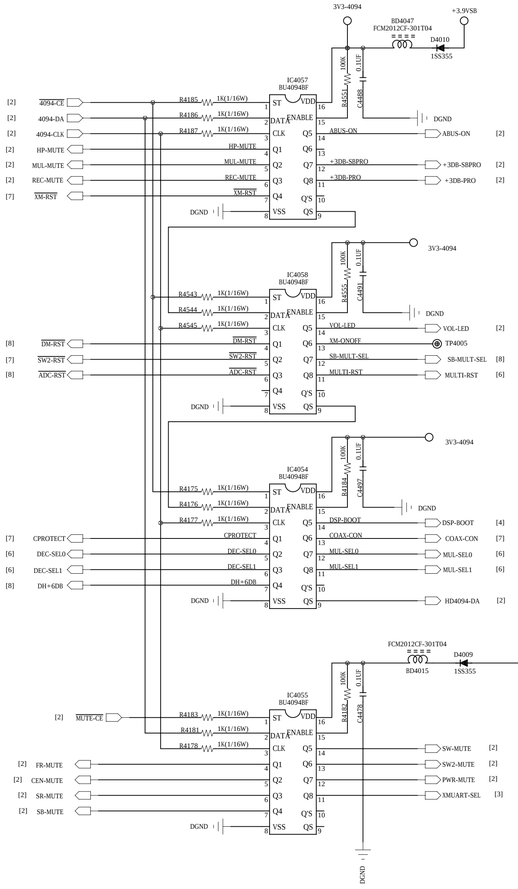
REVISION RECORD			
NO.	Date		Contents





XMUART-SEL	XMHD-TX	XMHD-RX
LOW	HDMI-TX	HDMI-RX
HIGH	XM-TX	XM-RX





Category	A/V RECEIVER		Model	AVR7550HD/760/660
Stage	Ver.		Sheet	B'D name
MP	v01		3 / 9	DSP
Draw	Approved		Date	Drawing No
			2009.04.13	

REVISION RECORD		
NO.	Date	Contents

IC4027
M12L64164A-5TG

IC4022
M12L64164A-5TG

IC4024
KIA1117F00

IC4023
TMS320DA790

IC4019
M29W160ET70N6E

IC4050
SN74LVC1G17DBVR

IC4020
ACF451832-333-T

BD4036
FCM2012CF-301T04

BD4034
FCM2012CF-301T04

BD4010
HCB2012KF-151T20

BD4029
FCM2012CF-301T04

BD4006
FCM2012CF-301T04

BD4007
FCM2012CF-301T04

BD4035
FCM2012CF-301T04

Y4001
24.576MHZ

Q4007
KRC107S

Q4006
KRC107S

P4005
A1251WV0-7P

RMCK_PRO [5,7,8]
RMCK_HDMI [2]
RMCLK_DEC [7]
DEC_SD3 [5]
DEC_SD2 [5]
DEC_SD1 [5]
DEC_SD0 [5]
DEC_SCLK [5]
DEC_LRCK [5]
MUX_SDO [6]
MUX_SCLK [6]
MUX_LRCK [6]
DSP_SDA0 [5]
DSP_SCL0 [5]
DSP_SCL1 [5]
DSP_SDA1 [5]
DSP-BOOT [3]
DEC-JTAG [5]
DSPRST [2,5]
OSC_MCLK [6]
DSP_INT [2]

CLOSE TO DSP IC

DSP INT option

Category	A/V RECEIVER	Model	AVR7550HD/760/660
Stage	Ver.	Sheet	B'D name
MP	v01	4 / 9	DSP
Draw	Approved	Date	Drawing No
		2009.04.13	

REVISION RECORD			
NO.	Date	Contents	

IC4036
M12L64164A-5TG

IC4031
M12L64164A-5TG

IC4030
M29W160ET70N6E

IC4034
TMS320DA790

IC4035
X1A1117T00

IC4029
ACF451832-333-T

CLOSE TO DSP IC

Category	A/V RECEIVER	Model	AVR7550HD/760/660
Stage	Ver.	Sheet	B'D name
MP	v01	5 / 9	DSP
Draw	Approved	Date	Drawing No
		2009.04.13	

REVISION RECORD			
NO.	Date		Contents

ZONE2 DSP OPTION

MULTI DSP INPUT

IC4015
XC9572XL-5VQG64C

IC4014
AVL5365VF

IC4040
CS4391A-KZZ

IC4044-A
IC4044-B
IC4046-A
IC4046-B
IC4039-A
IC4039-B

Category	A/V RECEIVER	Model	AVR7550HD/760/660
Stage	Ver.	Sheet	B'D name
MP	v01	6 / 9	DSP
Draw	Approved	Date	Drawing No
		2009.04.13	

REVISION RECORD			
NO.	Date	Contents	

CHANGE TO YKC22-0872

ONLY AVR755

EU ONLY

US ONLY

XM JTAG CONNECTOR

KEEP C4003 FOR EU

Category	A/V RECEIVER	Model	AVR7550HD/760/660
Stage	Ver.	Sheet	B'D name
MP	v01	7 / 9	DSP
Draw	Approved	Date	Drawing No
		2009.04.13	

REVISION RECORD		
NO.	Date	Contents

AVR755 ONLY

Category	A/V RECEIVER	Model	AVR7550HD/760/660
Stage	Ver.	Sheet	B'D name
MP	v01	8 / 9	DSP
Draw	Approved	Date	Drawing No
		2009.04.13	

10	9	8	7	6	5	4	3	2	1

REVISION RECORD			
NO.	Date	Contents	

UART driver will be made
as an extension board for debugging.

UART-0 UART-1 JTAG

AUDIO

SPDIF_OUT

Used only for debugging

GPIO ASSIGNMENT:

```
GPIO-00  unused
GPIO-01  unused
GPIO-02  unused
GPIO-03  NRESET_ETH
GPIO-04  not available
GPIO-05  not available
GPIO-06  unused
GPIO-07  not available
GPIO-08  unused
GPIO-09  unused

GPIO-10  unused
GPIO-11  unused
GPIO-12  unused
GPIO-13  unused
GPIO-14  NIREQ_HOST
GPIO-15  MODE_HOST
GPIO-16  unused
GPIO-17  unused
GPIO-18  unused
GPIO-19  not available
```

SDRAM
(16 MB)

FLASH
(4 or 8 MB)

SDRAM PCB layout specifications:

- all signals routed with 4mil trace width
- A13...A18 as short as possible
- T-junctions as short as possible

Type 1) examples:
- MX29LV640B
- S29GL064MxxTFIR3/4
- S29GL032AxxTFIR3,...R4

Type 2) examples:
- MX29LV641M
- S29GL064MxxTFIR6/7
- JS28F320C3B/T
- AM29LV641DH90REF

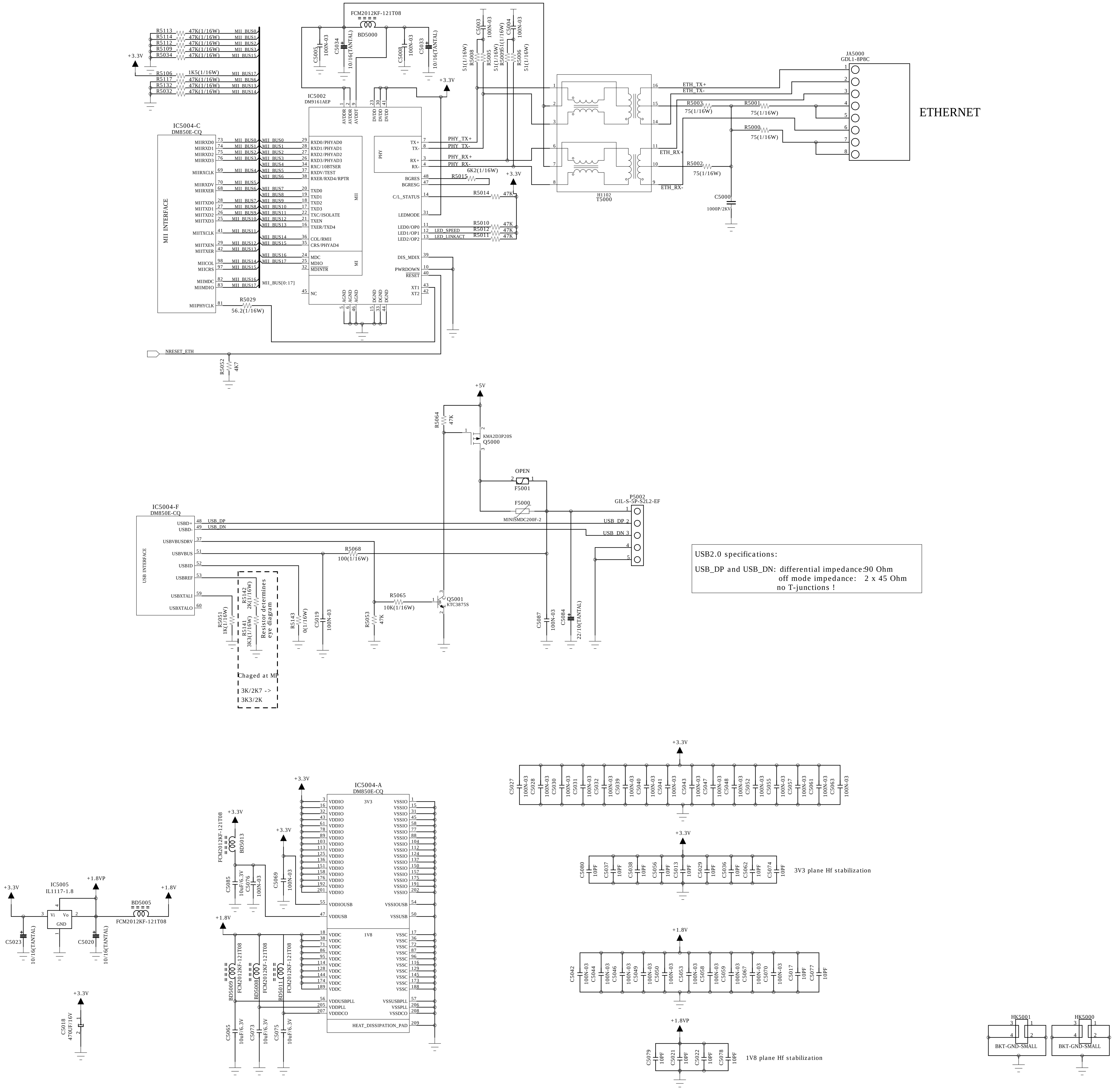
	Type 1)	Type 2) (default)
R248 (p9; A19):	0R	NP
R249 (p9; A21):	NP	0R
R254 (p13):	NP	0R
R253 (p15; A19):	NP	0R
R271 (p13; A21):		

PCB
CUP12039Z

Category	A/V RECEIVER	Model	HK AVR7550HD
Stage	Ver.	Sheet	B'D name
MP	1.0		ETHER

Draw	Approved	Date	Drawing No
		2009. 04. 13	1 / 2

REVISION RECORD		
NO.	Date	Contents



Category	A/V RECEIVER	Model	HK AVR7550HD
Stage	Ver.	Sheet	B'D name
MP	1.0		ETHER
Draw	Approved	Date	Drawing No
	XXX	2009. 04. 13	2 / 2

Schmatic Diagram

harman/kardon

AVR7550HD/760/660 FRONT

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*** THE UNIT OF RESISTANCE IS OHM.
K=1000 OHM, M=1000 KOHM.
*** THE UNIT OF CAPACITANCE IS MICROFARAD (uF)
pF=10^-6F
*** THIS SCHEMATIC DIAGRAM MAY MODIFIED AT ANYTIME WITH THE IMPROVEMENT OF PERFORMANCE.

FRONT B'D

VR B'D

FAV-MIC B'D

P-SW B'D

T-SW B'D

TO SUPPLY

TO DSP

TO MAIN

TO PROCESSOR

TO VIDEO

TO ETHER

JUMPER CONNECTION

AUDIO 6(FRONT)

C-VIDEO

S-VIDEO

OPTI FRONT

COAX FRONT

USB

HEAD PHONE

MIC

Category	AV RECEIVER	Model	AVR7550HD/760/660
Stage	Ver.	Sheet	B'D name
MP	V4.10	1 / 1	FRONT
Draw	Approved	Date	Drawing No
		APR.13.2009	

REVISION RECORD			
NO.	Date	Contents	

FLI30336-LF-AC

Spacing should be 2:1 (space : trace width) including serpentine delay, except for clock diff. pair 1:1. Do not exceed 2.5 inches total routing length.

Place Series termination resistors on bidirectional lines-DATA ,DQS,DQM MIDWAY between Cortez and DDR-memory Minimize trace length difference between DQS,DQM and data (Among a data group : 10 mils, Between data groups : 20 mils)

Each group should be routed together through the same layers

Minimize trace length difference Data groups & Control/Clock/Address (<1125 mils)

Place Series termination resistors on all address and control lines very close to Cortez Should be routed in a balanced T fashion

Minimize trace length difference among Clock, Control & Address (25 mils)

FSCLK+, FSCLK- should be routed like a differential pair (Difference < 1 mil)

Dedicated GPIO, if AC20 is high

COMMUNICATION with MICOM

NO connection

WITH DSP

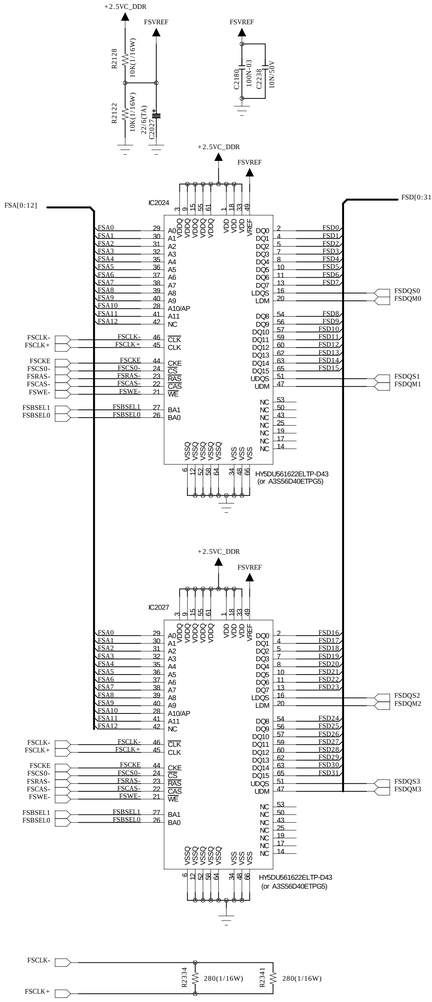
WITH VIDEO

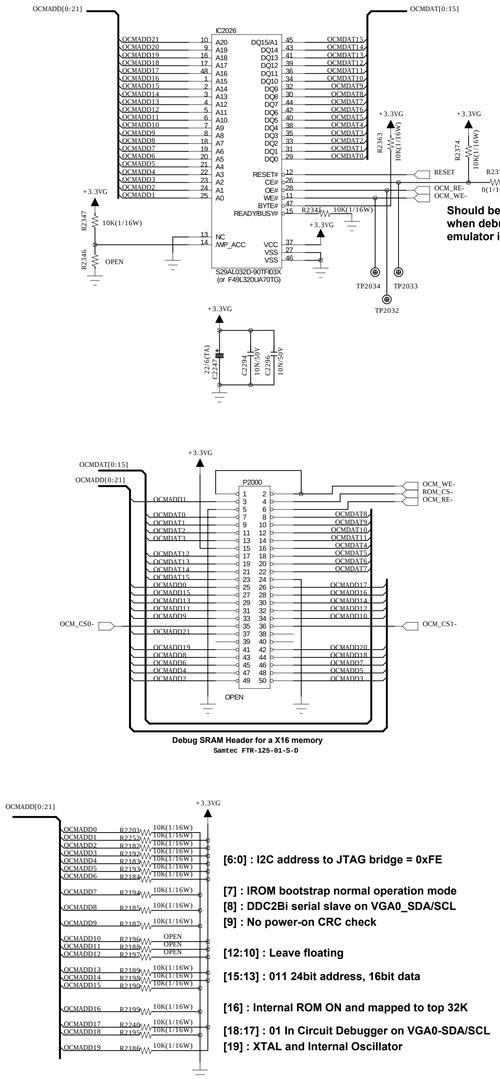
Change at LPP, Feb2008

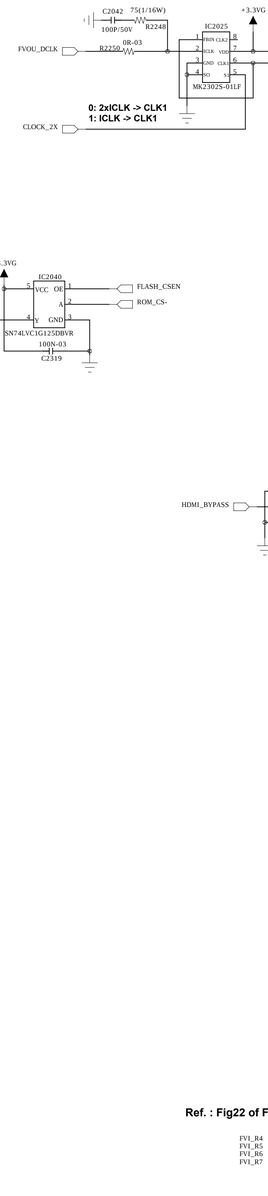
Package Change : bottom placed array R R2337, R2339, R2340, R2342, R2343

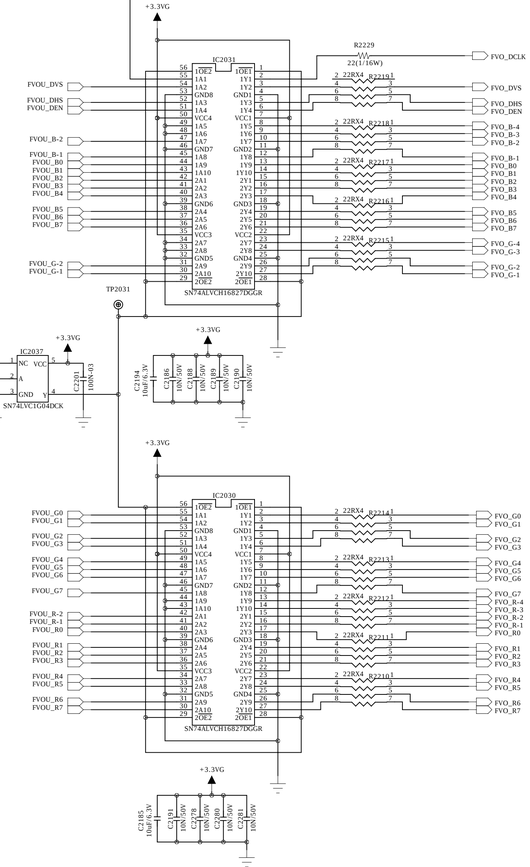
Category	A/V RECEIVER	Model	HK AVR7550HD
Stage	Ver.	Sheet	B'D name
MP	1.1	1 / 6	HDMI
Draw	Approved	Date	Drawing No
		2009. 04. 13	

REVISION RECORD		
NO.	Date	Contents









[6:0] : I2C address to JTAG bridge = 0xFE

[7] : IROM bootstrap normal operation mode
[8] : DDC2Bi serial slave on VGA0_SDA/SCL
[9] : No power-on CRC check

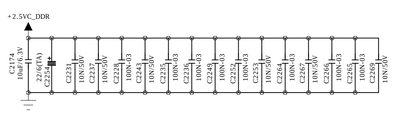
[12:10] : Leave floating

[15:13] : 011 24bit address, 16bit data

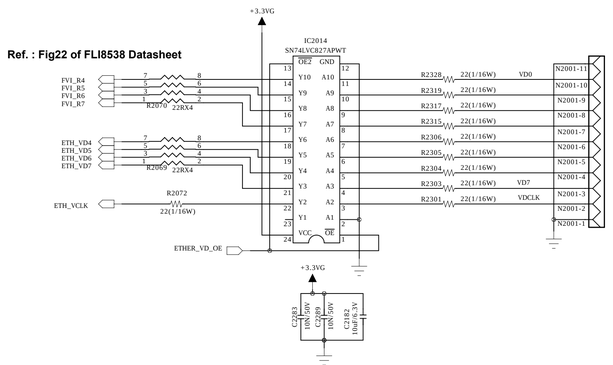
[16] : Internal ROM ON and mapped to top 32K

[18:17] : 01 In Circuit Debugger on VGA0-SDA/SCL
[19] : XTAL and Internal Oscillator

	6:0:	I2C to JTAG bridge address or General use
	12:7:	For General Purpose use
15:	14: 13:	000 = 20-bit address, 8-bit EXT I/F 001 = 24-bit address, 8-bit EXT I/F 010 = 20-bit address, 16-bit EXT I/F 011 = 24-bit address, 16-bit EXT I/F 1XX = OCM disabled, external parallel control bus (testbench)
	16:	Open (Internal ROM on, and mapped to top 32K) Close (Internal ROM off-boot from ext ROM)
18:	17:	00 = I2C to JTAG Bridge disabled 01 = ICD_SDA on VGA1_SDA, ICD_SCL on VGA1_SCL 10 = ICD_SDA on VGA0_SDA, ICD_SCL on VGA0-SCL 11 = I2C to JTAG bridge disabled, 5 JTAG signals mapped to AVS Pins
	19:	Open/0 (External Oscillator on TCLK pin) Close/1 (XTAL and Internal Oscillator)

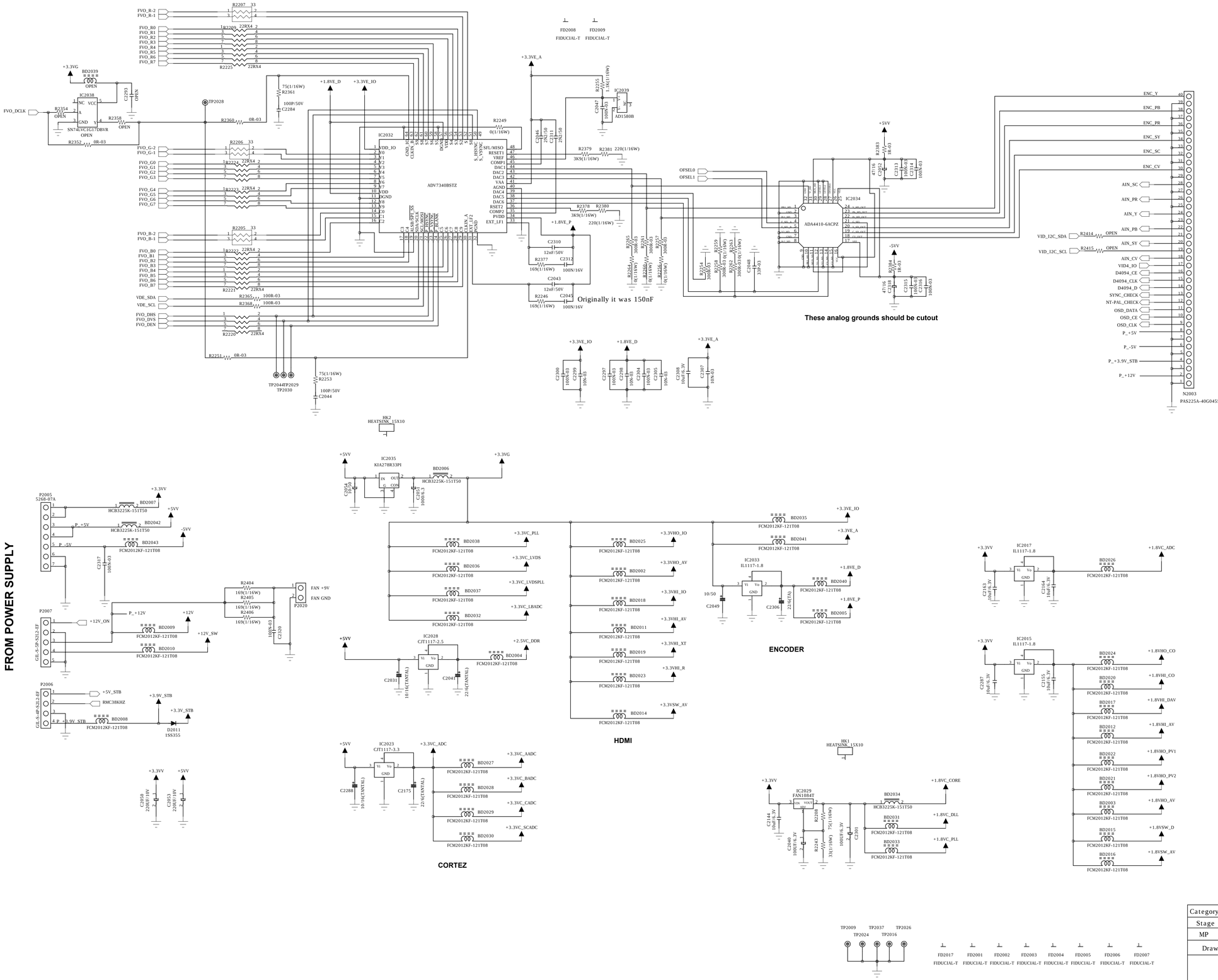


Ref. : Fig22 of FLI8538 Datasheet



Category	A/V RECEIVER	Model	HK AVR7550HD	
Stage	Ver.	Sheet	B'D name	
MP	1.1	2 / 6	HDMI	
Draw	Approved	Date	Drawing No	
		2009. 04. 13		

REVISION RECORD		
NO.	Date	Contents



Category	A/V RECEIVER	Model	HK AVR7550HD
Stage	Ver.	Sheet	B'D name
MP	1.1	3 / 6	HDMI
Draw	Approved	Date	Drawing No
		2009. 04. 13	

10 9 8 7 6 5 4 3 2 1

G F E D C B A

WITH DSP

REVISION RECORD			
NO.	Date	Contents	

Change at LPP, Feb2008

Change control polarity for HP DET
1. ADD R2407
2. ADD Q2011

Category	A/V RECEIVER	Model	HK AVR7550HD	
Stage	Ver.	Sheet	B'D name	
MP	1.1	4 / 6	HDMI	
Draw	Approved	Date	Drawing No	
		2009. 04. 13		

REVISION RECORD			
NO.	Date	Contents	

MP Change: DDC CLK, DDC DATA Pull-Up

HDMI INPUT3

HDMI INPUT2

HDMI INPUT1

YKF45-7043N

JA2008

JA2007

JA2006

HDMI_IN3_5V_POWER

HDMI_IN2_5V_POWER

HDMI_IN1_5V_POWER

EGA10402V05AH

EGA10603V12-B

IC2004
SIL9185ACTU

IC2022

IC2021

SN74ALVCH16827DGGR

FD2015
FIDUCIAL-T

FD2016
FIDUCIAL-T

+3.3VSW_AV

+1.8VSW_AV

+1.8VSW_D

+3.3VG

+3.3V_STB

I2CHDMI_SCL
I2CHDMI_SDA
RESET
H1-CK-
H1-CK+
H1-D0-
H1-D0+
H1-D1-
H1-D1+
H1-D2-
H1-D2+
HDDC0_SCL
HDDC0_SDA
HD0_HP
HDMI_SINK_5V_POWER

0xC0/0xD0/0xE0

CEC_A
CEC_D

TP2010
TP2008
TP2025

FVI_DCLK2
FVI_DVS
FVI_DHS
FVI_DEN
FVI_B-4
FVI_B-3
FVI_B-2
FVI_B-1
FVI_B0
FVI_B1
FVI_B2
FVI_B3
FVI_B4
FVI_B5
FVI_B6
FVI_B7
FVI_G-4
FVI_G-3
FVI_G-2
FVI_G-1
FVI_G0
FVI_G1
FVI_G2
FVI_G3
FVI_G4
FVI_G5
FVI_G6
FVI_G7
FVI_R-4
FVI_R-3
FVI_R-2
FVI_R-1
FVI_R0
FVI_R1
FVI_R2
FVI_R3
FVI_R4
FVI_R5
FVI_R6
FVI_R7
HDMI_BYPASS

FVO_DCLK
FVO_DVS
FVO_DHS
FVO_DEN
FVO_B-4
FVO_B-3
FVO_B-2
FVO_B-1
FVO_B0
FVO_B1
FVO_B2
FVO_B3
FVO_B4
FVO_B5
FVO_B6
FVO_B7
FVO_G-4
FVO_G-3
FVO_G-2
FVO_G-1
FVO_G0
FVO_G1
FVO_G2
FVO_G3
FVO_G4
FVO_G5
FVO_G6
FVO_G7
FVO_R-4
FVO_R-3
FVO_R-2
FVO_R-1
FVO_R0
FVO_R1
FVO_R2
FVO_R3
FVO_R4
FVO_R5
FVO_R6
FVO_R7

14094_DIN
14094_CLK
14094_CE
IC2012
BU4094BF
IC2013
BU4094BF
ETHER_VD_OE
MICOM_UP_SEL
CLOCK_2X
HDMI_BYPASS
OFSEL0
OFSEL1
EEP_MUX
EEP_WP
HAUD_MUX
RMC_B
RMC_A
+12V_ON
HD0_HP
HD1_HP
VID4_ID
IROM_BOOT
14094_DOUT
RESET_STB

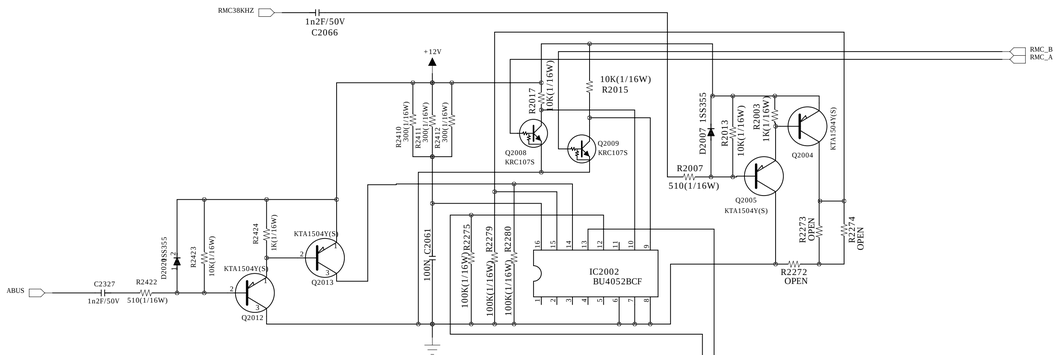
IC2020
SN74LVC1G125DBVR
S2000
SKQNADD010
PWR_RESET
RESET_OUT
RESET

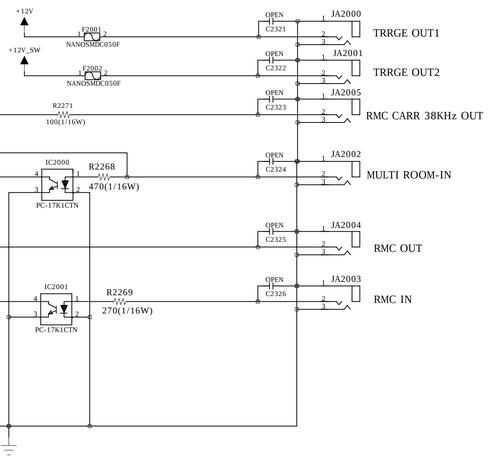
Category	A/V RECEIVER	Model	HK AVR7550HD
Stage	Ver.	Sheet	B'D name
MP	1.1	5 / 6	HDMI

Draw	Approved	Date	Drawing No
		2009. 04. 13	

REVISION RECORD			
NO.	Date	Contents	

(*) C2001 was 1n2. It is changed to 2n2 due to ANAM request.

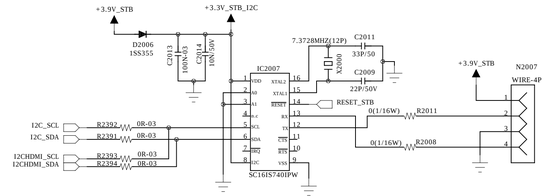




Change at LPP, Feb2008

1. Del C2057
2. Del C2056
3. Del C2001
4. R2280 : 100K -> 47K
5. R2005,R2001,R2002,R2006: 1K->10ohm
6. R2280 : 1K -> 100ohm
7. Del R2019, Add R2410,2411,2412

Change at LPP, Feb2008
IC2007: +3.3VG -> 3.3V Standby
Add D2006



Category	A/V RECEIVER	Model	HK AVR7550HD	
Stage	Ver.	Sheet	B'D name	
MP	1.1	6 / 6	HDMI	
Draw	Approved	Date	Drawing No	
GS / SK		2009. 04. 13		