

SERVICE MANUAL



T535

DVD / SACD Player

SECTION 1

SUMMARY

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PRODUCT SAFETY SERVICING GUIDELINES

CAUTION : DO NOT ATTEMPT TO MODIFY THIS PRODUCT IN ANY WAY. NEVER PERFORM CUSTOMIZED INSTALLATIONS WITHOUT MANUFACTURER'S APPROVAL. UNAUTHORIZED MODIFICATIONS WILL NOT ONLY VOID THE WARRANTY, BUT MAY LEAD TO YOUR BEING LIABLE FOR ANY RESULTING PROPERTY DAMAGE OR USER INJURY.

SERVICE WORK SHOULD BE PERFORMED ONLY AFTER YOU ARE THOROUGHLY FAMILIAR WITH ALL OF THE FOLLOWING SAFETY CHECKS AND SERVICING GUIDELINES. TO DO OTHERWISE, INCREASES THE RISK OF POTENTIAL HAZARDS AND INJURY TO THE USER.

WHILE SERVICING, USE AN ISOLATION TRANSFORMER FOR PROTECTION FROM AC LINE SHOCK.

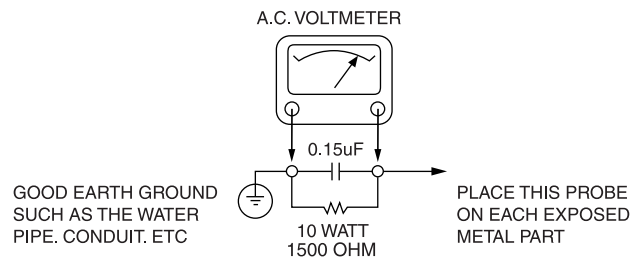
SAFETY CHECKS

AFTER THE ORIGINAL SERVICE PROBLEM HAS BEEN CORRECTED. A CHECK SHOULD BE MADE OF THE FOLLOWING.

SUBJECT : FIRE & SHOCK HAZARD

1. BE SURE THAT ALL COMPONENTS ARE POSITIONED IN SUCH A WAY AS TO AVOID POSSIBILITY OF ADJACENT COMPONENT SHORTS. THIS IS ESPECIALLY IMPORTANT ON THOSE MODULES WHICH ARE TRANSPORTED TO AND FROM THE REPAIR SHOP.
2. NEVER RELEASE A REPAIR UNLESS ALL PROTECTIVE DEVICES SUCH AS INSULATORS, BARRIERS, COVERS, SHIELDS, STRAIN RELIEFS, POWER SUPPLY CORDS, AND OTHER HARDWARE HAVE BEEN REINSTALLED PER ORIGINAL DESIGN. BE SURE THAT THE SAFETY PURPOSE OF THE POLARIZED LINE PLUG HAS NOT BEEN DEFEATED.
3. SOLDERING MUST BE INSPECTED TO DISCOVER POSSIBLE COLD SOLDER JOINTS, SOLDER SPLASHES OR SHARP SOLDER POINTS. BE CERTAIN TO REMOVE ALL LOOSE FOREIGN PARTICLES.
4. CHECK FOR PHYSICAL EVIDENCE OF DAMAGE OR DETERIORATION TO PARTS AND COMPONENTS. FOR FRAYED LEADS, DAMAGED INSULATION (INCLUDING AC CORD). AND REPLACE IF NECESSARY FOLLOW ORIGINAL LAYOUT, LEAD LENGTH AND DRESS.
5. NO LEAD OR COMPONENT SHOULD TOUCH A RECEIVING TUBE OR A RESISTOR RATED AT 1 WATT OR MORE. LEAD TENSION AROUND PROTRUDING METAL SURFACES MUST BE AVOIDED.
6. ALL CRITICAL COMPONENTS SUCH AS FUSES, FLAMEPROOF RESISTORS, CAPACITORS, ETC. MUST BE REPLACED WITH EXACT FACTORY TYPES, DO NOT USE REPLACEMENT COMPONENTS OTHER THAN THOSE SPECIFIED OR MAKE UNRECOMMENDED CIRCUIT MODIFICATIONS.
7. AFTER RE-ASSEMBLY OF THE SET ALWAYS PERFORM AN AC LEAKAGE TEST ON ALL EXPOSED METALLIC PARTS OF THE CABINET, (THE CHANNEL SELECTOR KNOB, ANTENNA TERMINALS. HANDLE AND SCREWS) TO BE SURE THE SET IS SAFET TO OPERATE WITHOUT DANGER OF ELECTRICAL SHOCK. DO NOT USE A LINE ISOLATION TRANSFORMER DURING THIS TEST USE AN AC VOLTMETER, HAVING 5000 OHMS PER VOLT OR MORE SENSITIVITY, IN THE FOLLOWING MANNER; CONNECT A 1500 OHM 10 WATT RESISTOR, PARALLELED BY A .15 MFD, 150V AC TYPE CAPACITOR BETWEEN A KNOWN GOOD EARTH GROUND (WATER PIPE, CONDUIT, ETC.) AND THE EXPOSED METALLIC PARTS, ONE AT A TIME.
MEASURE THE AC VOLTAGE ACROSS THE COMBINATION OF 1500 OHM RESISTOR AND .15 MFD CAPACITOR.
REVERSE THE AC PLUG AND REPEAT AC VOLTAGE MEASUREMENTS FOR EACH EXPOSED METALLIC PART.

VOLTAGE MEASURE MUST NOT EXCEED 75 VOLTS R.M.S. THIS CORRESPONDS TO 0.5 MILLIAMPS AC ANY VALUE EXCEEDING THIS LIMIT CONSTITUTES A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED IMMEDIATELY.



SUBJECT : GRAPHIC SYMBOLS



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.



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 APPLIANCE.

SUBJECT : TIPS ON PROPER INSTALLATION

1. NEVER INSTALL ANY PRODUCT IN A CLOSED-IN RECESS, CUBBYHOLE OR CLOSELY FITTING SHELF SPACE. OVER OR CLOSE TO HEAT DUCT, OR IN THE PATH OF HEATED AIR FLOW.
2. AVOID CONDITIONS OF HIGH HUMIDITY SUCH AS: OUTDOOR PATIO INSTALLATIONS WHERE DEW IS A FACTOR, NEAR STEAM RADIATORS WHERE STEAM LEAKAGE IS A FACTOR, ETC.
3. AVOID PLACEMENT WHERE DRAPERIES MAY OBSTRUCT REAR VENTING. THE CUSTOMER SHOULD ALSO AVOID THE USE OF DECORATIVE SCARVES OR OTHER COVERINGS WHICH MIGHT OBSTRUCT VENTILATION.
4. WALL AND SHELF MOUNTED INSTALLATIONS USING A COMMERCIAL MOUNTING KIT MUST FOLLOW THE FACTORY APPROVED MOUNTING INSTRUCTIONS A PRODUCT MOUNTED TO A SHELF OR PLATFORM MUST RETAIN ITS ORIGINAL FEET (OR THE EQUIVALENT THICKNESS IN SPACERS) TO PROVIDE ADEQUATE AIR FLOW ACROSS THE BOTTOM, BOLTS OR SCREWS USED FOR FASTENERS MUST NOT TOUCH ANY PARTS OR WIRING. PERFORM LEAKAGE TEST ON CUSTOMIZED INSTALLATIONS.
5. CAUTION CUSTOMERS AGAINST THE MOUNTING OF A PRODUCT ON SLOPING SHELF OR A TILTED POSITION, UNLESS THE PRODUCT IS PROPERLY SECURED.
6. A PRODUCT ON A ROLL-ABOUT CART SHOULD BE STABLE ON ITS MOUNTING TO THE CART. CAUTION THE CUSTOMER ON THE HAZARDS OF TRYING TO ROLL A CART WITH SMALL CASTERS ACROSS THRESHOLDS OR DEEP PILE CARPETS.
7. CAUTION CUSTOMERS AGAINST THE USE OF A CART OR STAND WHICH HAS NOT BEEN LISTED BY UNDERWRITERS LABORATORIES, INC. FOR USE WITH THEIR SPECIFIC MODEL OF TELEVISION RECEIVER OR GENERICALLY APPROVED FOR USE WITH T.V.'S OF THE SAME OR LARGER SCREEN SIZE.
8. CAUTION CUSTOMERS AGAINST THE USE OF EXTENSION CORDS, EXPLAIN THAT A FOREST OF EXTENSIONS SPROUTING FROM A SINGLE OUTLET CAN LEAD TO DISASTROUS CONSEQUENCES TO HOME AND FAMILY.

SERVICING PRECAUTIONS

CAUTION : Before servicing the A/V Receiver covered by this service data and its supplements and addends, read and follow the **SAFETY PRECAUTIONS**. **NOTE :** if unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions in this publication, always follow the safety precautions.

Remember Safety First:

General Servicing Precautions

1. Always unplug the A/V Receiver AC power cord from the AC power source before:
 - (1) Removing or reinstalling any component, circuit board, module, or any other assembly.
 - (2) Disconnecting or reconnecting any internal electrical plug or other electrical connection.
 - (3) Connecting a test substitute in parallel with an electrolytic capacitor.

Caution : A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.
2. Do not spray chemicals on or near this A/V Receiver or any of its assemblies.
3. Unless specified otherwise in this service data, clean electrical contacts by applying an appropriate contact cleaning solution to the contacts with a pipe cleaner, cottontipped swab, or comparable soft applicator.
Unless specified otherwise in this service data, lubrication of contacts is not required.
4. Do not defeat any plug/socket B+ voltage interlocks with which instruments covered by this service manual might be equipped.
5. Do not apply AC power to this A/V Receiver and/or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.
6. Always connect test instrument ground lead to the appropriate ground before connecting the test instrument positive lead. Always remove the test instrument ground lead last.

Insulation Checking Procedure

Disconnect the attachment plug from the AC outlet and turn the power on. Connect an insulation resistance meter(500V) to the blades of the attachment plug. The insulation resistance between each blade of the attachment plug and accessible conductive parts (Note 1) should be more than 1M-ohm.

Note 1 : Accessible Conductive Parts including Metal panels, Input terminals, Earphone jacks, etc.

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 buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an antistatic solder removal device. Some solder removal devices not classified a "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freonpropelled chemicals. These can generate electrical charge 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. (Normally harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device.)

SPECIFICATIONS

SYSTEM

Signal system	PAL/NTSC
Laser	Two wavelength laser diode
CD	Wavelength 790nm
DVD	Wavelength 650nm
Frequency response	-1dB (Ref. 20Hz-44KHz, DVD) -3dB (Ref. 20Hz-50KHz, SACD)
Signal-to-noise ratio (audio)	>95dBA (A-WTD)
Dynamic range (audio)	>90dBA (A-WTD)
Total Harmonic Distortion	<0.002%

OUTPUT

Video out	1Vp-p/75 ohms
S-video (Y signal)	1Vp-p/75 ohms
S-video (C signal)	0.286Vp-p/75 ohms
Component (Y signal)	1Vp-p/75 ohms (North American version only)
Component (Cb/Cr signal)	0.7Vp-p/75 ohms (North American version only)
SCART (RGB signal)	0.7Vp-p/75 ohms (European version only)
HDMI Video Out	HDCP 480p/720p/1080i/1080p (NTSC) HDCP 576p/720p/1080i/1080p (PAL)
Digital Out (coaxial)	500mVp-p
Digital Out (optical)	3Vp-p
Digital Out (HDMI)	5.1-channel 48KHz PCM/Bitstream (DVD-Video) 5.1-channel 96KHz PCM/Bitstream (DVD-Audio)
Audio Out	2.0 Vrms (Ref. 1 KHz, 0 dB)

GENERAL

Power requirements	AC 120 V, 60 Hz NTSC Region 1 AC 230 V, 50 Hz PAL Region 2
Power consumption	21W
Dimensions (W x H x D)	435 x 290 x 85 mm
Net weight	3.9kg
Shipping weight	5.8kg

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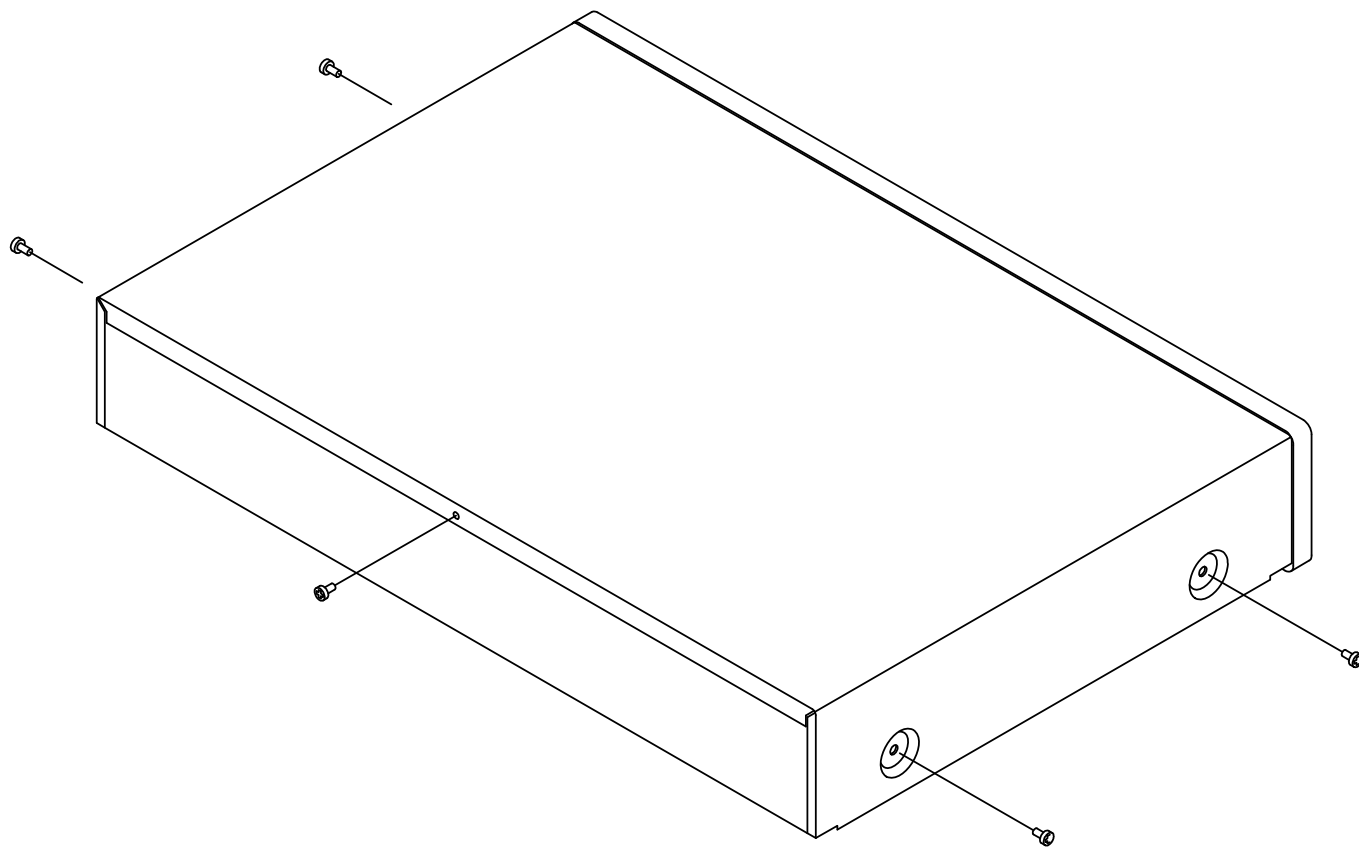
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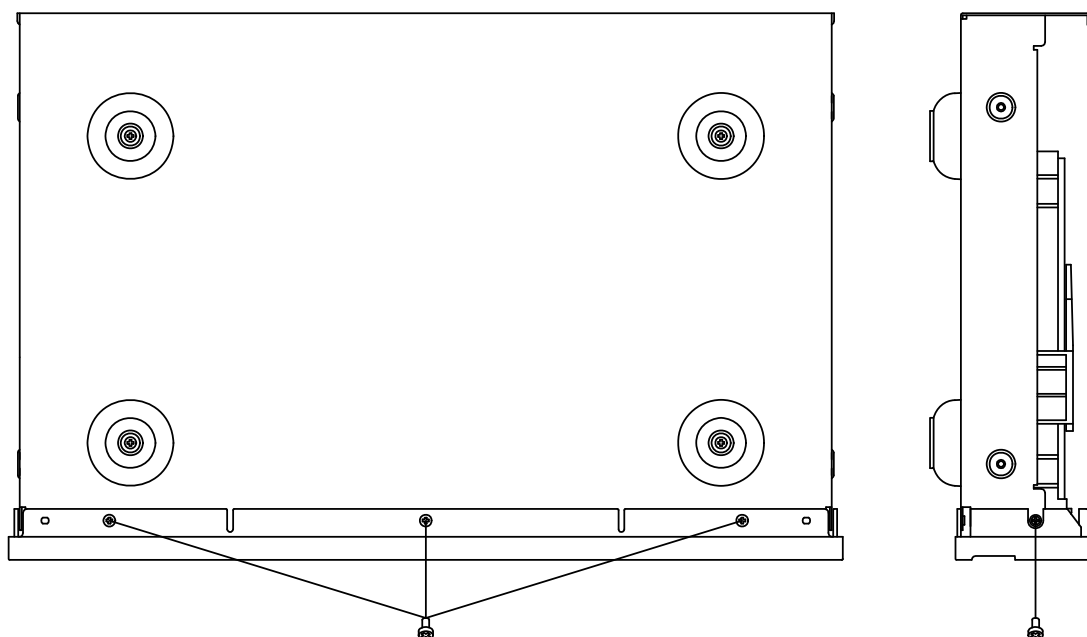
Specifications are subject to change without notice. For updated documentation and features, please log onto www.NADelectronics.com for the latest information about T 535.

DISASSEMBLY

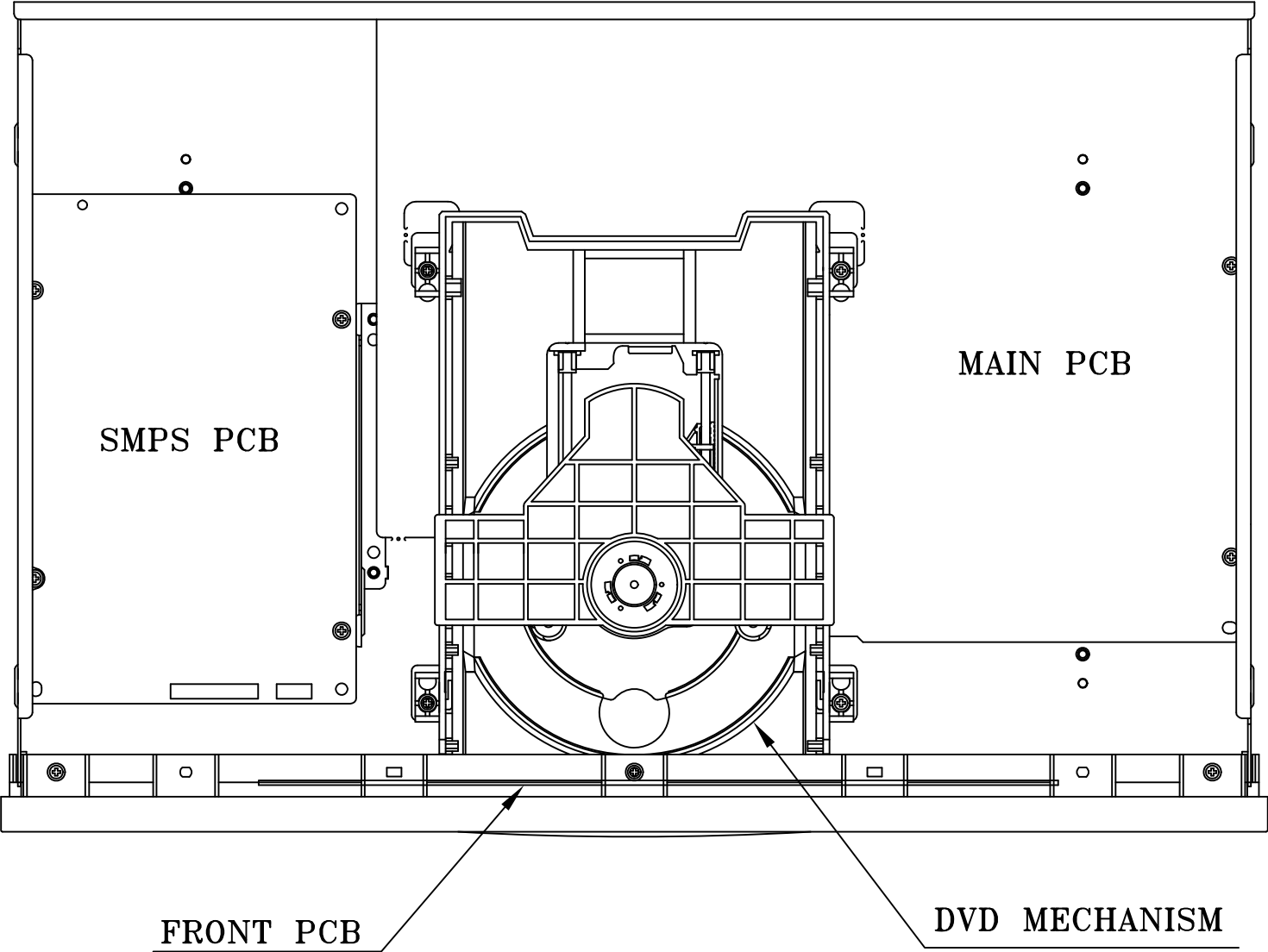
1> REMOVAL OF TOP COVER



2> REMOVAL OF FRONT PANEL



PRINCIPAL PARTS LOCATION

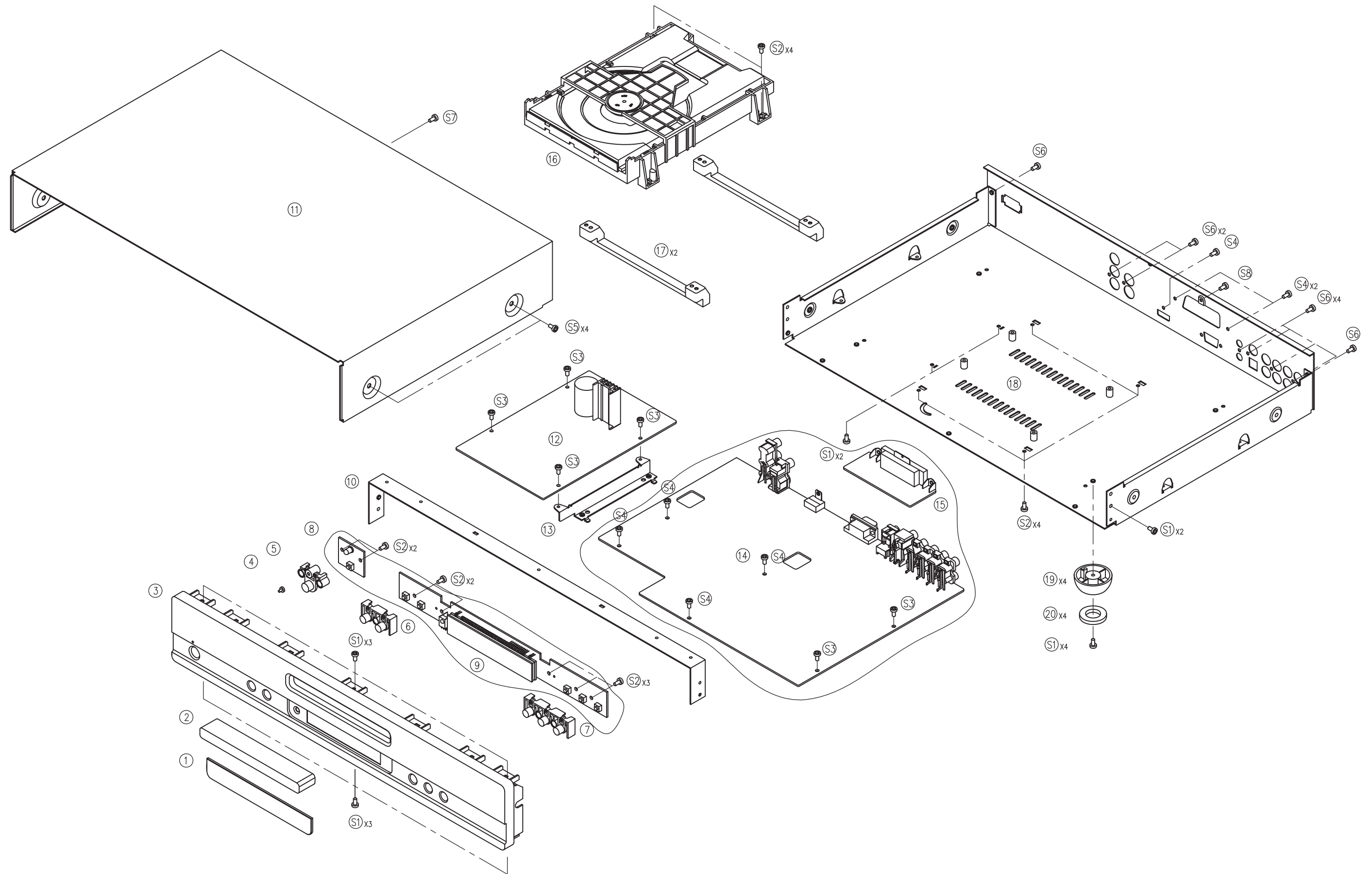


T535C/CT EXPLODED VIEW PARTS LIST

S8	CHD1A055R	SCREW, SPECIAL	1
S7	CTB3+8JFZR	SCREW(GRAPHITE)	1
	CTB3+8JFC	SCREW(TITAN)	
S6	CTB3+10JFZR	SCREW	8
S5	CTB4+6FFZR	SCREW(GRAPHITE)	4
	CTB4+6FFC	SCREW(TITAN)	
S4	CTB3+6FFZR	SCREW	7
S3	CTW3+8JFZR	SCREW	6
S2	CTB3+10JR	SCREW	15
S1	CTB3+6JR	SCREW	14
No.	PARTS No.	DESCRIPTION	Q'TY

20	CHG1A297	CUSHION, FOOT	4
19	CKL1A086	FOOT	4
18	CUA2A275ZK1	CHASSIS	1
17	CMH1A276	SUPPORT, MECHA	2
16	CADDVD27ZA	MECHANISM ASS'Y	1
15	COP11992B-2	MAIN PCB ASS'Y(SCART)	1
14	COP11992B-1	MAIN PCB ASS'Y	1
13	CMD1A508	BRACKET, SMPS	1
12	COP11993B	SMPS PCB ASS'Y	1
11	CKC1A172G37	CABINET, TOP(GRAY)	1
	CKC1A172G39	CABINET, TOP(SILVER)	
10	CMD3A588	FRAME, FRONT	1
9	COP11991B-1	FRONT PCB ASS'Y	0.2
8	COP11991B-2	FRONT PCB ASS'Y	0.2
7	CBT2A1051B29	KNOB, PLAY(GRAPHITE)	1
	CBT2A1051G38	KNOB, PLAY(TITAN)	
6	CBT2A1051B29	KNOB, PLAY(GRAPHITE)	1
	CBT2A1051G38	KNOB, PLAY(TITAN)	
5	CBT2A1050B29	KNOB, POWER(GRAPHITE)	1
	CBT2A1050G38	KNOB, POWER(TITAN)	
4	CGL1A263Z	INDICATOR, POWER	1
3	CGW2A435RJZB29	FRONT PANEL(GRAPHITE)	1
	CGW2A435RJYG38	FRONT PANEL(TITAN)	
2	CGR1A430B29	DOOR(GRAPHITE)	1
	CGR1A430G38	DOOR(TITAN)	
1	CGU2A406Z	WINDOW	1
No.	PARTS No.	DESCRIPTION	Q'TY

EXPLODED VIEW (T535C/CT)

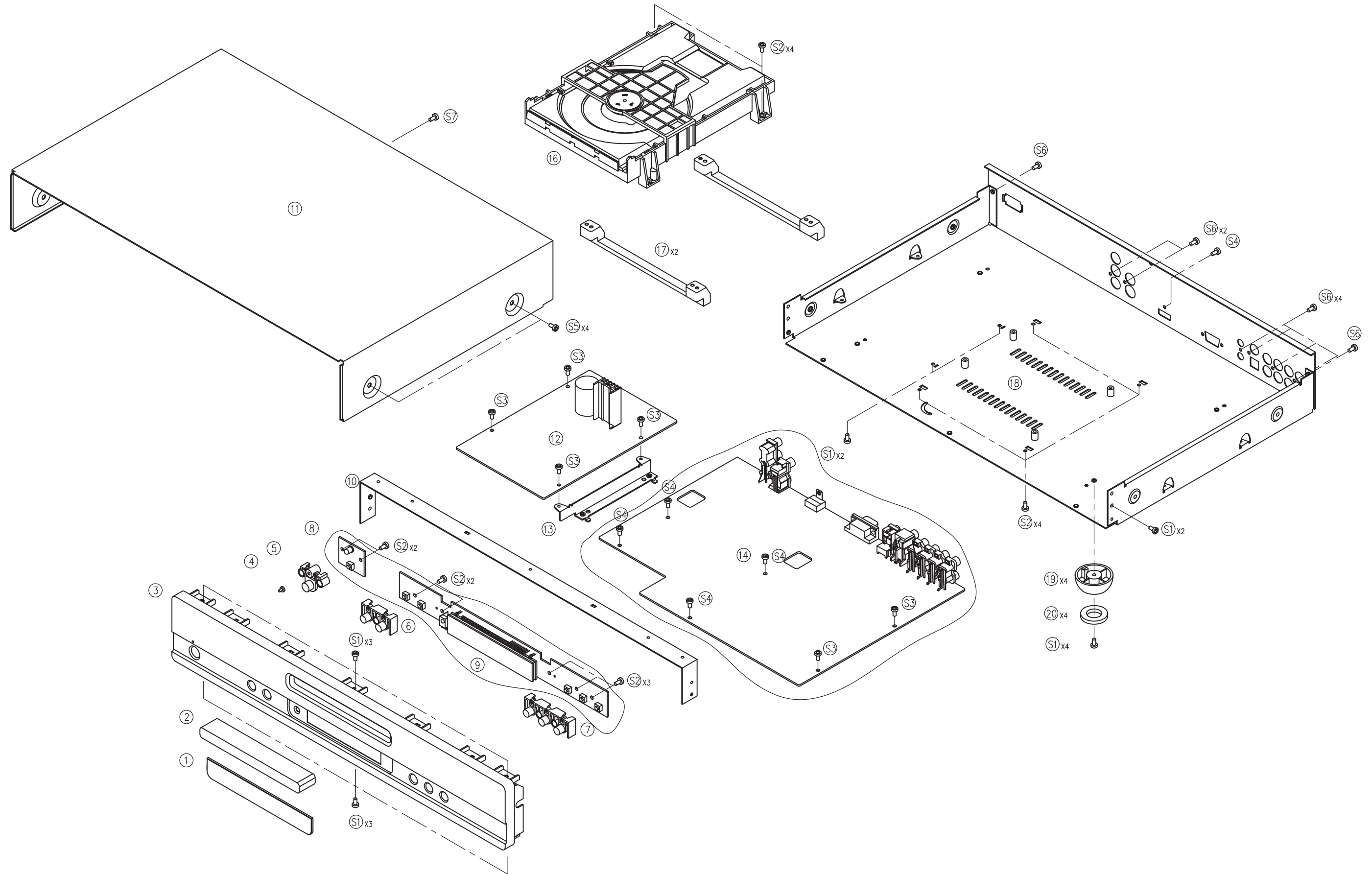


T535A/AHT EXPLODED VIEW PARTS LIST

S7	CTB3+8JFZR	SCREW(GRAPHITE)	1
	CTB3+8JFC	SCREW(TITAN)	
S6	CTB3+10JFZR	SCREW	8
S5	CTB4+6FFZR	SCREW(GRAPHITE)	4
	CTB4+6FFC	SCREW(TITAN)	
S4	CTB3+6FFZR	SCREW	5
S3	CTW3+8JFZR	SCREW	6
S2	CTB3+10JR	SCREW	15
S1	CTB3+6JR	SCREW	14
No.	PARTS No.	DESCRIPTION	Q'TY

20	CHG1A297	CUSHION, FOOT	4
19	CKL1A086	FOOT	4
18	CUA2A275YK1	CHASSIS	1
17	CMH1A276	SUPPORT, MECHA	2
16	CADDVD27ZA	MECHANISM ASS'Y	1
15	—	—	—
14	COP11992C	MAIN PCB ASS'Y	1
13	CMD1A508	BRACKET, SMPS	1
12	COP11993B	SMPS PCB ASS'Y	1
11	CKC1A172G37	CABINET, TOP(GRAY)	1
	CKC1A172G39	CABINET, TOP(SILVER)	
10	CMD3A588	FRAME, FRONT	1
9	COP11991B-1	FRONT PCB ASS'Y	0.2
8	COP11991B-2	FRONT PCB ASS'Y	0.2
7	CBT2A1051B29	KNOB, PLAY(GRAPHITE)	1
	CBT2A1051G38	KNOB, PLAY(TITAN)	
6	CBT2A1051B29	KNOB, PLAY(GRAPHITE)	1
	CBT2A1051G38	KNOB, PLAY(TITAN)	
5	CBT2A1050B29	KNOB, POWER(GRAPHITE)	1
	CBT2A1050G38	KNOB, POWER(TITAN)	
4	CGL1A263Z	INDICATOR, POWER	1
3	CGW2A435RJZB29	FRONT PANEL(GRAPHITE)	1
	CGW2A435RJYG38	FRONT PANEL(TITAN)	
2	CGR1A430B29	DOOR(GRAPHITE)	1
	CGR1A430G38	DOOR(TITAN)	
1	CGU2A406Z	WINDOW	1
No.	PARTS No.	DESCRIPTION	Q'TY

EXPLODED VIEW (T535AH/AHT)



SECTION 2
ELECTRICAL CONTENTS

CONTENTS

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SOFT RESET METHOD

1. FACTORY RESET

- Power On
- Tray OPEN
- Press the Remote Control Key "Clear"+"2"+"5"+"8"+"0"+"ZOOM"

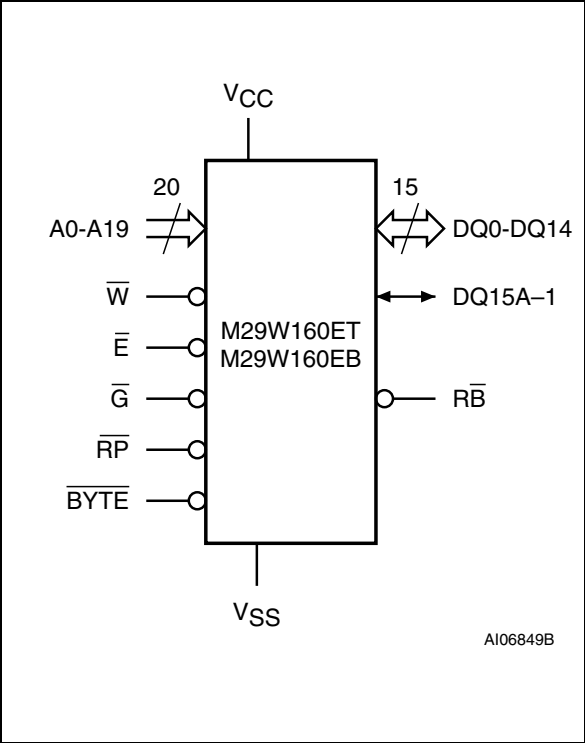
2. VERSION DISPLAY

- Power On
- Tray OPEN
- Press the Remote Control Key "Clear"+"2"+"5"+"8"+"0"+"Clear"
- Then, Service Mode Displayed.

IC BLOCK DIAGRAMS & PIN DESCRIPTION

FLASH MEMORY (M29W160ET : IC12)

■ BLOCK DIAGRAM

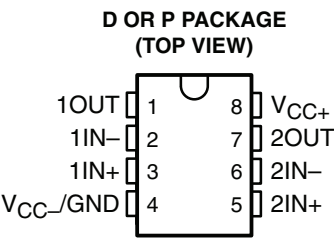


■ PIN DESCRIPTION

A0-A19	Address Inputs
DQ0-DQ7	Data Inputs/Outputs
DQ8-DQ14	Data Inputs/Outputs
DQ15A-1	Data Input/Output or Address Input
$\overline{E}$	Chip Enable
$\overline{G}$	Output Enable
$\overline{W}$	Write Enable
$\overline{RP}$	Reset/Block Temporary Unprotect
$\overline{RB}$	Ready/Busy Output
$\overline{BYTE}$	Byte/Word Organization Select
VCC	Supply Voltage
VSS	Ground
NC	Not Connected Internally

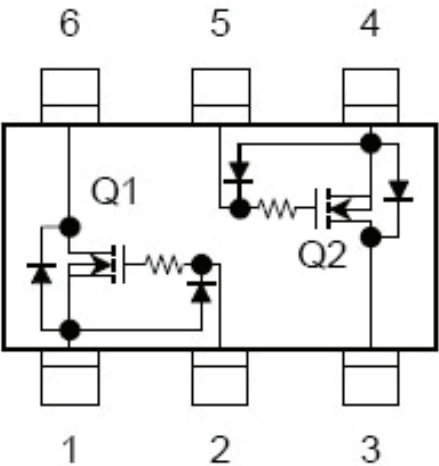
OPERATIONAL AMPLIFIER (TL3472 : IC19)

■ PIN DESCRIPTION

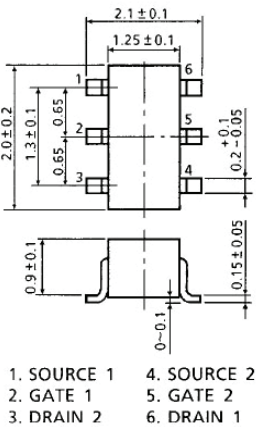


LEVEL SHIFT MOS FET (HN1K05FU : IC16, IC43, IC96)

■ BLOCK DIAGRAM

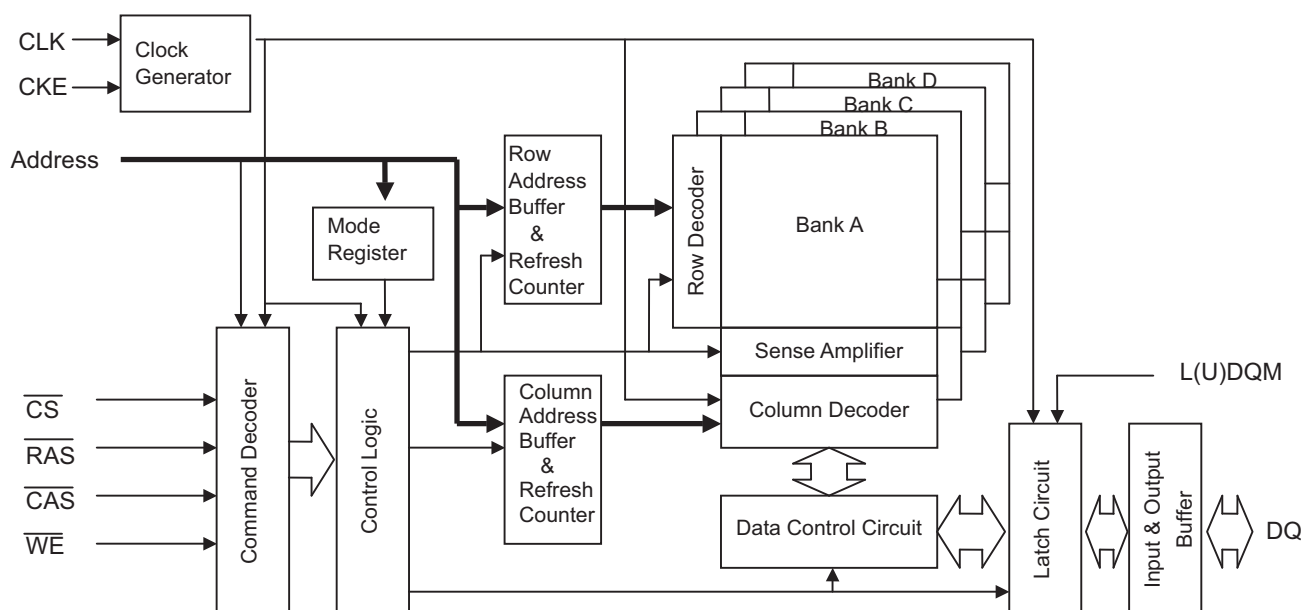


■ PIN DESCRIPTION



SDRAM for MPEG/SACD (M12L64164 : IC13, IC21)

■ BLOCK DIAGRAM

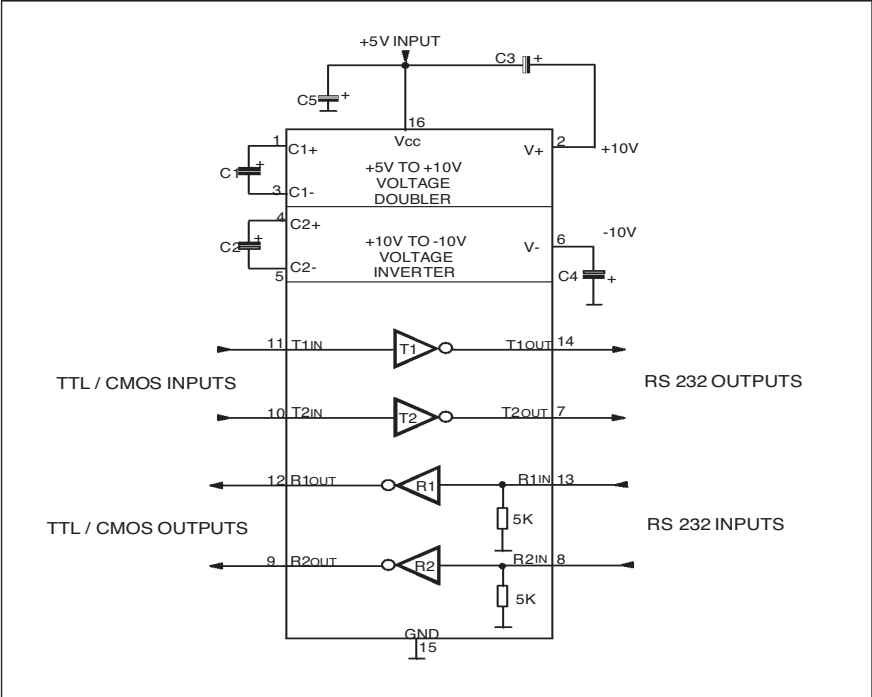


■ PIN DESCRIPTION

PIN	NAME	INPUT FUNCTION
CLK	System Clock	Active on the positive going edge to sample all inputs
$\overline{\text{CS}}$	Chip Select	Disables or enables device operation by masking or enabling all inputs except CLK , CKE and L(U)DQM
CKE	Clock Enable	Masks system clock to freeze operation from the next clock cycle. CKE should be enabled at least one cycle prior new command. Disable input buffers for power down in standby.
A0 ~ A11	Address	Row / column address are multiplexed on the same pins. Row address : RA0~RA11, column address : CA0~CA7
A12 , A13	Bank Select Address	Selects bank to be activated during row address latch time. Selects bank for read / write during column address latch time.
$\overline{\text{RAS}}$	Row Address Strobe	Latches row addresses on the positive going edge of the CLK with $\overline{\text{RAS}}$ low. Enables row access & precharge.
$\overline{\text{CAS}}$	Column Address Strobe	Latches column address on the positive going edge of the CLK with $\overline{\text{CAS}}$ low. Enables column access.
$\overline{\text{WE}}$	Write Enable	Enables write operation and row precharge. Latches data in starting from $\overline{\text{CAS}}$, $\overline{\text{WE}}$ active.
L(U)DQM	Data Input / Output Mask	Makes data output Hi-Z, t_{SHZ} after the clock and masks the output. Blocks data input when L(U)DQM active.
DQ0 ~ DQ15	Data Input / Output	Data inputs / outputs are multiplexed on the same pins.
VDD / VSS	Power Supply / Ground	Power and ground for the input buffers and the core logic.
VDDQ / VSSQ	Data Output Power / Ground	Isolated power supply and ground for the output buffers to provide improved noise immunity.
NC	No Connection	This pin is recommended to be left No Connection on the device.

RS-232 TRANSCEIVER (ST202 : IC31)

■ BLOCK DIAGRAM

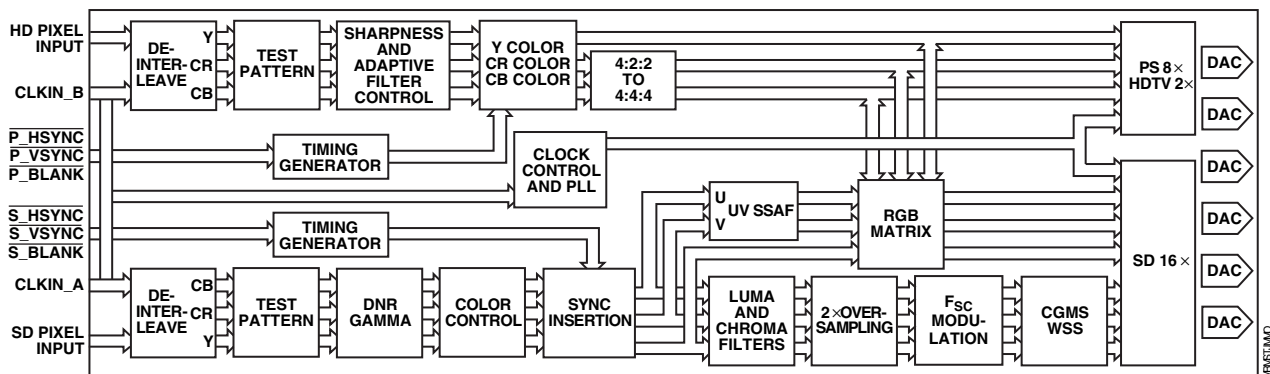


Note 1: C₁₋₄ capacitors can even be 1 μ F ones.
Note 2: C₁₋₄ can be common or biased capacitors.

■ PIN DESCRIPTION

PIN No	SYMBOL	NAME AND FUNCTION
1	C ₁₊	Positive Terminal for the first Charge Pump Capacitor
2	V+	Doubled Voltage Terminal
3	C ₁₋	Negative Terminal for the first Charge Pump Capacitor
4	C ₂₊	Positive Terminal for the second Charge Pump Capacitor
5	C ₂₋	Negative Terminal for the second Charge Pump Capacitor
6	V-	Inverted Voltage Terminal
7	T2 _{OUT}	Second Transmitter Output Voltage
8	R2 _{IN}	Second Receiver Input Voltage
9	R2 _{OUT}	Second Receiver Output Voltage
10	T2 _{IN}	Second Transmitter Input Voltage
11	T1 _{IN}	First Transmitter Input Voltage
12	R1 _{OUT}	First Receiver Output Voltage
13	R1 _{IN}	First Receiver Input Voltage
14	T1 _{OUT}	First Transmitter Output Voltage
15	GND	Ground
16	V _{CC}	Supply Voltage

■ BLOCK DIAGRAM



■ PIN DESCRIPTION

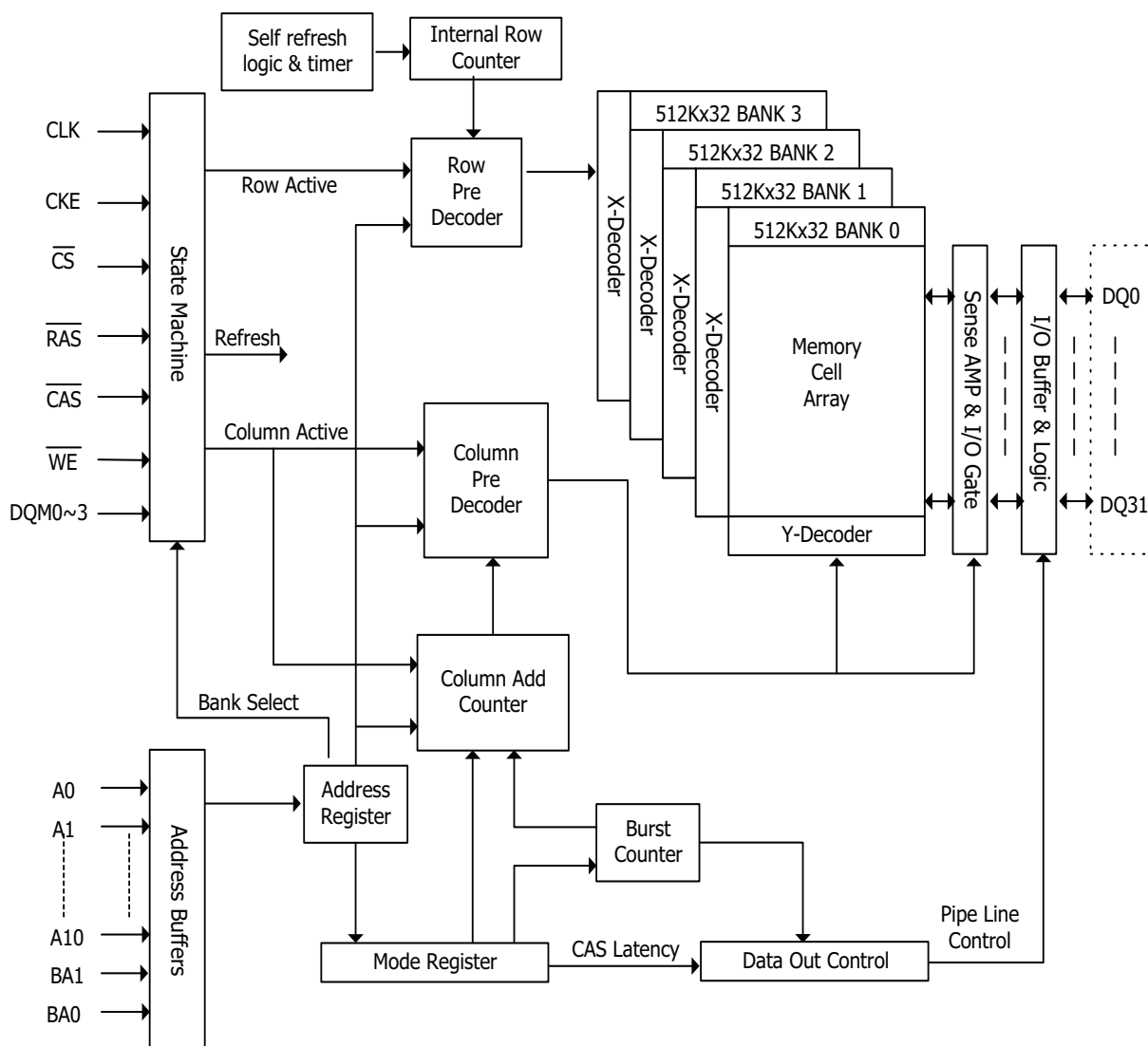
Pin No.	Mnemonic	Input/Output	Description
11, 57	DGND	G	Digital Ground.
40	AGND	G	Analog Ground.
32	CLKIN_A	I	Pixel Clock Input for HD (74.25 MHz Only, PS Only (27 MHz), SD Only (27 MHz).
63	CLKIN_B	I	Pixel Clock Input. Requires a 27 MHz reference clock for progressive scan mode or a 74.25 MHz (74.1758 MHz) reference clock in HDTV mode. This clock is only used in dual modes.
45, 36	COMP1, COMP2	O	Compensation Pin for DACs. Connect 0.1 μ F capacitor from COMP pin to V _{AA} .
44	DAC A	O	CVBS/Green/Y/Y Analog Output.
43	DAC B	O	Chroma/Blue/U/Pb Analog Output.
42	DAC C	O	Luma/Red/V/Pr Analog Output.
39	DAC D	O	In SD Only Mode: CVBS/Green/Y Analog Output; in HD Only Mode and Simultaneous HD/SD Mode: Y/Green [HD] Analog Output.
38	DAC E	O	In SD Only Mode: Luma/Blue/U Analog Output; in HD Only Mode and Simultaneous HD/SD Mode: Pr/Red Analog Output.
37	DAC F	O	In SD Only Mode: Chroma/Red/V Analog Output; in HD Only Mode and Simultaneous HD/SD Mode: Pb/Blue [HD] Analog Output.
23	<u>P_HSYNC</u>	I	Video Horizontal Sync Control Signal for HD in Simultaneous SD/HD Mode and HD Only Mode.
24	<u>P_VSYNC</u>	I	Video Vertical Sync Control Signal for HD in Simultaneous SD/HD Mode and HD Only Mode.
25	<u>P_BLANK</u>	I	Video Blanking Control Signal for HD in Simultaneous SD/HD Mode and HD Only Mode.
48	<u>S_BLANK</u>	I/O	Video Blanking Control Signal for SD Only.
49	<u>S_VSYNC</u>	I/O	Video Vertical Sync Control Signal for SD Only.
50	<u>S_HSYNC</u>	I/O	Video Horizontal Sync Control Signal for SD Only.
13,12, 9–2	Y9 to Y0	I	SD or Progressive Scan/HDTV Input Port for Y Data. Input port for interleaved progressive scan data. The LSB is set up on Pin Y0. For 8-bit data input, LSB is set up on Y2.
30–26, 18–14	C9 to C0	I	Progressive Scan/HDTV Input Port 4:4:4 Input Mode. This port is used for the Cb[Blue/U] data. The LSB is set up on Pin C0. For 8-bit data input, LSB is set up on C2.

PIN DESCRIPTION

Pin No.	Mnemonic	Input/Output	Description
62–58, 55–51	S9 to S0	I	SD or Progressive Scan/HDTV Input Port for Cr[Red/V] Data in 4:4:4 Input Mode. LSB is set up on Pin S0. For 8-bit data input, LSB is set up on S2.
33	RESET	I	This input resets the on-chip timing generator and sets the ADV7320/ADV7321 into default register setting. RESET is an active low signal.
47, 35	RSET1, RSET2	I	A 3040 Ω resistor must be connected from this pin to AGND and is used to control the amplitudes of the DAC outputs.
22	SCLK	I	I ² C Port Serial Interface Clock Input.
21	SDA	I/O	I ² C Port Serial Data Input/Output.
20	ALSB	I	TTL Address Input. This signal sets up the LSB of the I ² C address. When this pin is tied low, the I ² C filter is activated, which reduces noise on the I ² C interface.
1	V _{DD_IO}	P	Power Supply for Digital Inputs and Outputs.
10, 56	V _{DD}	P	Digital Power Supply.
41	V _{AA}	P	Analog Power Supply.
46	V _{REF}	I/O	Optional External Voltage Reference Input for DACs or Voltage Reference Output (1.235 V).
34	EXT_LF	I	External Loop Filter for the Internal PLL.
31	RTC_SCR_TR	I	Multifunctional Input. Real-time control (RTC) input, timing reset input, subcarrier reset input.
19	I ² C	I	This input pin must be tied high (V _{DD_IO}) for the ADV7320/ADV7321 to interface over the I ² C port.
64	GND_IO		Digital Input/Output Ground.

SDRAM for I/P SCALAR (57V643220 : IC62)

BLOCK DIAGRAM

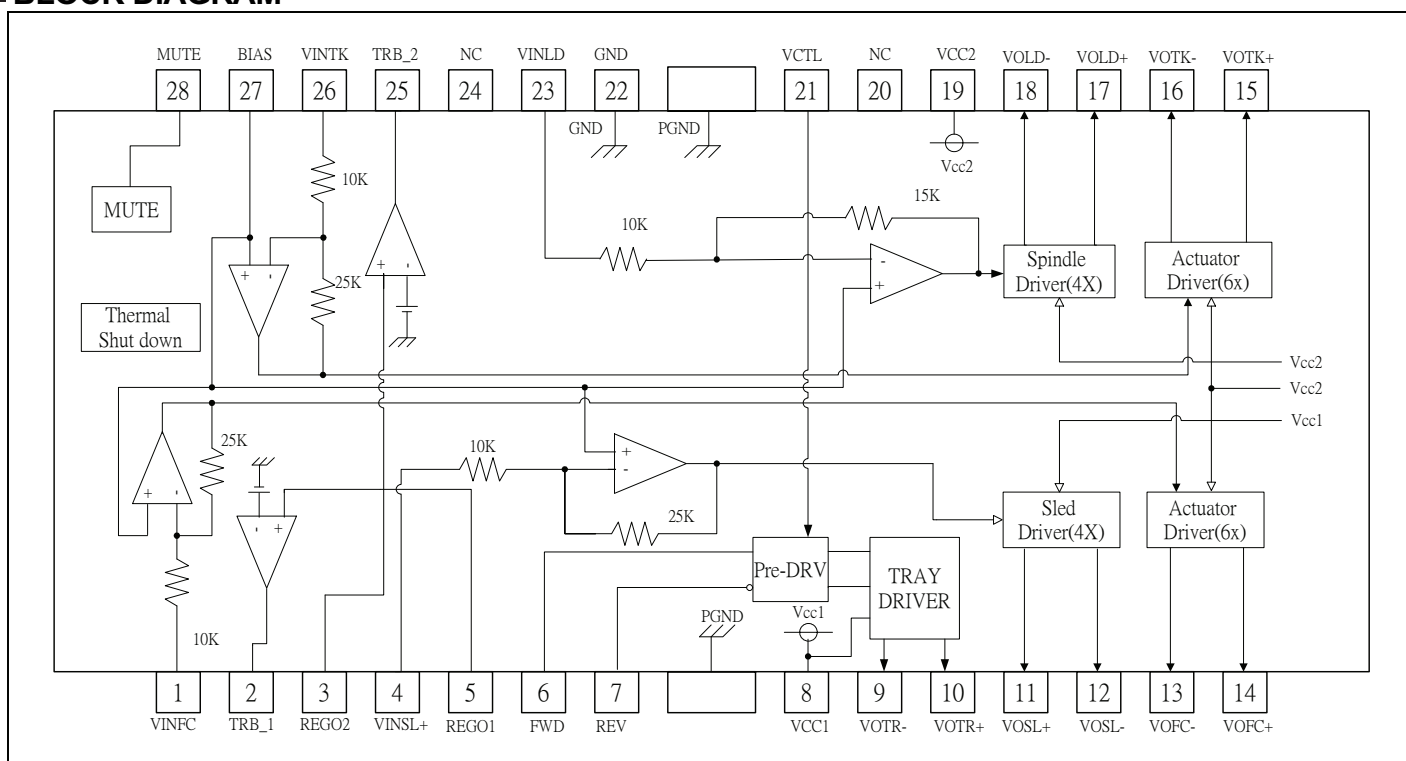


PIN DESCRIPTION

Pin	Pin Name	DESCRIPTION
CLK	Clock	The system clock input. All other inputs are registered to the SDRAM on the rising edge of CLK.
CKE	Clock Enable	Controls internal clock signal and when deactivated, the SDRAM will be one of the states among power down, suspend or self refresh
$\overline{CS}$	Chip Select	Enables or disables all inputs except CLK, CKE and DQM
BA0, BA1	Bank Address	Selects bank to be activated during $\overline{RAS}$ activity Selects bank to be read/written during $\overline{CAS}$ activity
A0 ~ A10	Address	Row Address : RA0 ~ RA10, Column Address : CA0 ~ CA7 Auto-precharge flag : A10
$\overline{RAS}$, $\overline{CAS}$, $\overline{WE}$	Row Address Strobe, Column Address Strobe, Write Enable	$\overline{RAS}$, $\overline{CAS}$ and $\overline{WE}$ define the operation Refer function truth table for details
DQM0~3	Data Input/Output Mask	Controls output buffers in read mode and masks input data in write mode
DQ0 ~ DQ31	Data Input/Output	Multiplexed data input / output pin
VDD/VSS	Power Supply/Ground	Power supply for internal circuits and input buffers
VDDQ/VSSQ	Data Output Power/ Ground	Power supply for output buffers
NC	No Connection	No connection

MOTOR DRIVE IC (AM5888S : IC18)

BLOCK DIAGRAM

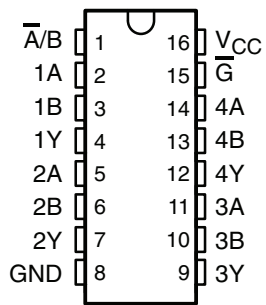


■ PIN DESCRIPTION

PIN No	Pin Name	Function
1	VINFC	Input for focus driver
2	TRB_1	Connect to external transistor base
3	REGO2	Regulator voltage output, connect to external transistor collector
4	VINSL+	Input for the sled driver
5	REGO1	Regulator voltage output, connect to external transistor collector
6	FWD	Tray driver forward input
7	REV	Tray driver reverse input
8	Vcc1	Vcc for pre-drive block and power block of sled and tray
9	VOTR-	Tray driver output (-)
10	VOTR+	Tray driver output (+)
11	VOSL+	Sled driver output (+)
12	VOSL-	Sled driver output (-)
13	VOFC-	Focus driver output (-)
14	VOFC+	Focus driver output (+)
15	VOTK+	Tracking driver output (+)
16	VOTK-	Tracking driver output (-)
17	VOLD+	Spindle driver output (+)
18	VOLD-	Spindle driver output (-)
19	Vcc2	Vcc for power block of spindle, tracking and focus
20	NC	No Connection
21	VCTL	Speed control input of tray driver
22	GND	Ground
23	VINLD	Input for spindle driver
24	NC	No Connection
25	TRB_2	Connect to external transistor base
26	VINTK	Input for tracking driver
27	BIAS	Input for reference voltage
28	MUTE	Input for mute control

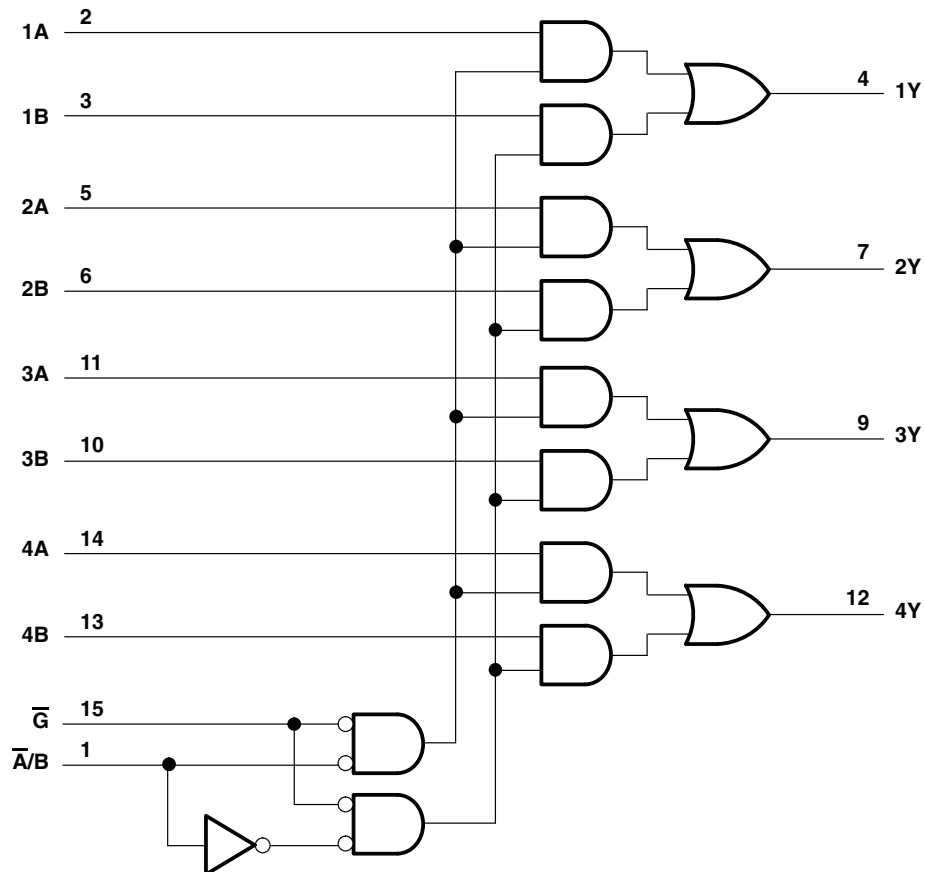
Notes) Symbol of + and – (output of drivers) means polarity to input pin.
(For example, if voltage of pin1 is high, pin14 is high.)

DATA SELECTOR (74LVC157 : IC86)

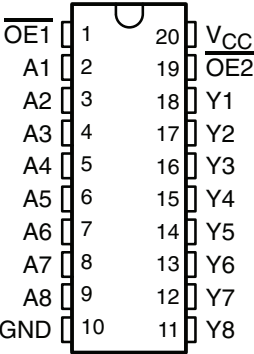


INPUTS				OUTPUT
	SELECT A/B	DATA		
		A	B	
H	X	X	X	L
L	L	L	X	L
L	L	H	X	H
L	H	X	L	L
L	H	X	H	H

logic diagram (positive logic)

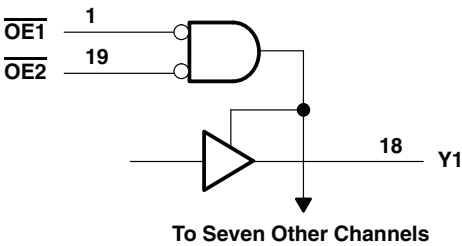


BUFFER (54AHCT541 : IC63)



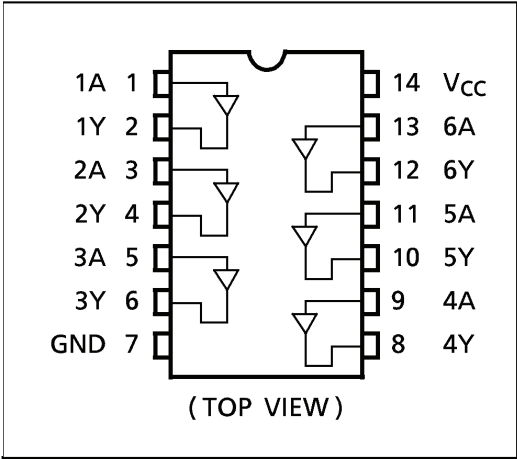
FUNCTION TABLE
(each buffer/driver)

INPUTS			OUTPUT Y
OE1	OE2	A	
L	L	L	L
L	L	H	H
H	X	X	Z
X	H	X	Z



BUFFER (74HCT7007 : IC55)

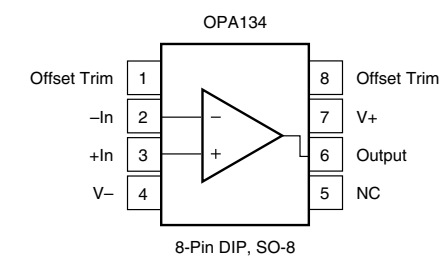
PIN ASSIGNMENT



PIN ASSIGNMENT

A	Y
L	L
H	H

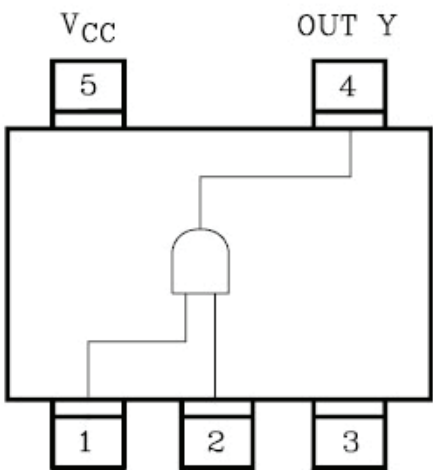
AUDIO OPERATIONAL AMPLIFIERS (OPA2134 : IC82, IC83, IC84, IC85)



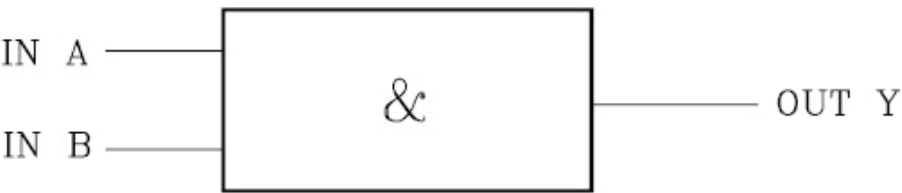
AND GATE (7SZ08FU : IC98)

AND GATE (7SH08FU : IC15, IC27, IC78, IC90)

PIN CONNECTION (TOP VIEW)

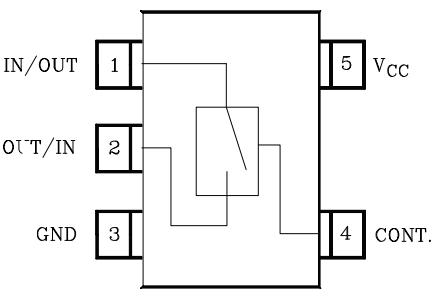


LOGIC DIAGRAM



SWITCHER (7S66FU : IC28, IC87)

PIN CONNECTION (TOP VIEW)



LOGIC DIAGRAM



SACD DECODER (SAA7893 : IC20)

■ PIN DESCRIPTION

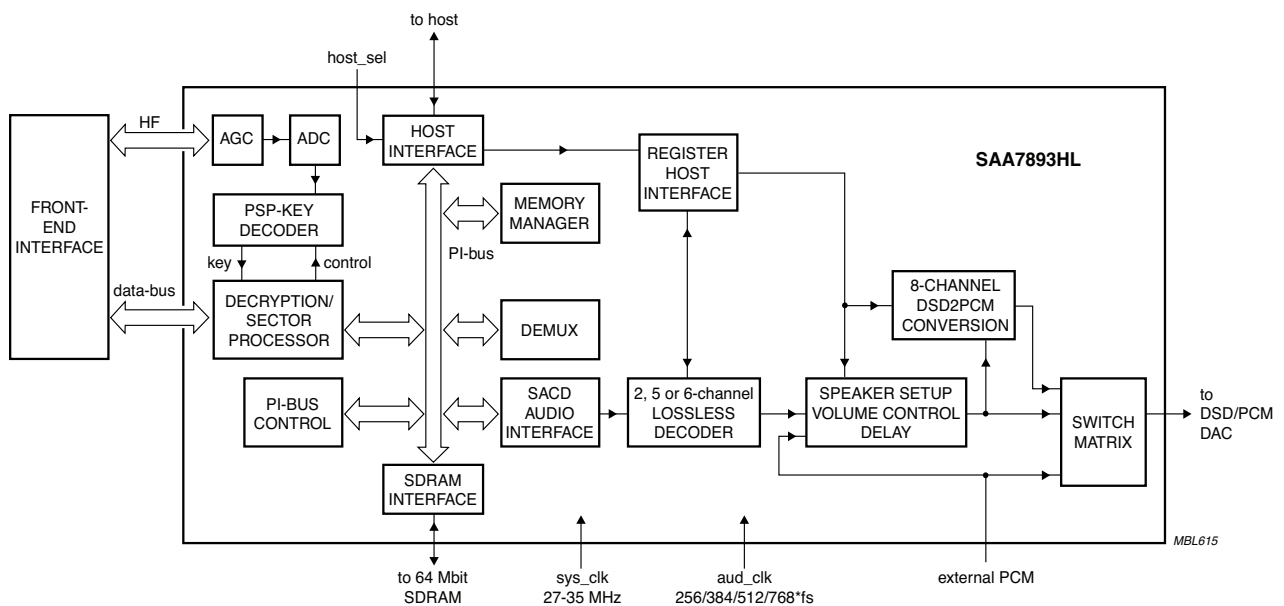
Symbol	Pin	Type ^[1]	Description
H_A[1]	1	IN	address bus
H_DQ[15]	2	I/O10	data bus
H_DQ[14]	3	I/O10	data bus
GND_IO1	4	GND_IO	GND I/O pads
H_DQ[13]	5	I/O10	data bus
H_DQ[12]	6	I/O10	data bus
H_DQ[11]	7	I/O10	data bus
H_DQ[10]	8	I/O10	data bus
H_DQ[9]	9	I/O10	data bus
VCC_IO1	10	VCC_IO	V _{CC} I/O pads
H_DQ[8]	11	I/O10	data bus
H_DQ[7]	12	I/O10	data bus
H_DQ[6]	13	I/O10	data bus
H_DQ[5]	14	I/O10	data bus
H_DQ[4]	15	I/O10	data bus
H_DQ[3]	16	I/O10	data bus
GND_IO2	17	GND_IO	GND I/O pads
H_procclock	18	IN	host processor EMI interface clock
VCC_Core1	19	VCC_core	core supply voltage
GND_Core1	20	GND_core	core ground
sys_clk	21	IN	system clock
H_DQ[2]	22	I/O10	data bus
H_DQ[1]	23	I/O10	data bus
H_CS _n	24	IN	host chip select; active LOW
H_DQ[0]	25	I/O10	data bus
H_RW _n	26	IN	read = 1; write = 0
H_WAIT	27	O10	wait signal
H_IRQ _n	28	O10	interrupt request; active LOW
aud_clk	29	IN	DSD audio clock
PCM_dclk_in	30	IN	PCM data clock
PCM_wclk_in	31	IN	PCM word clock
V _{DDA}	32	VDDCO	V _{DD} of ADC
V _{SSA}	33	VSSCO	V _{SS} of AGC and ADC; connected to substrate
biasin	34	APIO	bias current input
Agcinp	35	APIO	AGC positive input signal; HF in
Adcrefl	36	APIO	ADC decoupling
VCC_IO7	37	VCC_IO	V _{CC} I/O pads
GND_IO7	38	GND_IO	GND I/O pads
PCM_CeLf_in	39	IN	PCM data center or LFE

Symbol	Pin	Type ^[1]	Description
D_ADDR[12]	78	O10	SDRAM address bus
D_ADDR[11]	79	O10	SDRAM address bus
D_Wen	80	O10	read or write
D_RASn	81	O10	row address select; active LOW
D_CASn	82	O10	column address select; active LOW
GND_IO4	83	GND_IO	GND I/O pads
GND_Core2	84	GND_core	core ground
VCC_Core2	85	VCC_core	core supply voltage
D_clk	86	O10	clock signal needed for SDRAM
D_DQ[5]	87	I/O10	data bus
D_UDQM	88	O10	DQ mask enable (upper)
D_LDQM	89	O10	DQ mask enable (lower)
D_DQ[7]	90	I/O10	data bus
D_DQ[8]	91	I/O10	data bus
VCC_IO4	92	VCC_IO	V _{CC} I/O pads
D_DQ[6]	93	I/O10	data bus
D_DQ[9]	94	I/O10	data bus
D_DQ[10]	95	I/O10	data bus
D_DQ[4]	96	I/O10	data bus
D_DQ[11]	97	I/O10	data bus
D_DQ[3]	98	I/O10	data bus
GND_IO5	99	GND_IO	GND I/O pads
D_DQ[12]	100	I/O10	data bus
D_DQ[2]	101	I/O10	data bus
D_DQ[13]	102	I/O10	data bus
D_DQ[1]	103	I/O10	data bus
D_DQ[14]	104	I/O10	data bus
D_DQ[0]	105	I/O10	data bus
VCC_IO5	106	VCC_IO	V _{CC} I/O pads
D_DQ[15]	107	I/O10	data bus
DSD_PCM_0	108	O10	6-channel data output
DSD_PCM_1	109	O10	6-channel data output
DSD_PCM_2	110	O10	6-channel data output
DSD_PCM_3	111	O10	6-channel data output
GND_IO6	112	GND_IO	GND I/O pads
DSD_PCM_4	113	O10	6-channel data output
DSD_PCM_5	114	O10	6-channel data output
DSD_PCM_6	115	O10	6-channel clock/control
DSD_PCM_7	116	O10	6-channel clock/control
DSD_PCM_8	117	O10	2-channel clock/control
VCC_IO6	118	VCC_IO	V _{CC} I/O pads

Symbol	Pin	Type ^[1]	Description
D_ADDR[12]	78	O10	SDRAM address bus
D_ADDR[11]	79	O10	SDRAM address bus
D_Wen	80	O10	read or write
D_RASn	81	O10	row address select; active LOW
D_CASn	82	O10	column address select; active LOW
GND_IO4	83	GND_IO	GND I/O pads
GND_Core2	84	GND_core	core ground
VCC_Core2	85	VCC_core	core supply voltage
D_clk	86	O10	clock signal needed for SDRAM
D_DQ[5]	87	I/O10	data bus
D_UDQM	88	O10	DQ mask enable (upper)
D_LDQM	89	O10	DQ mask enable (lower)
D_DQ[7]	90	I/O10	data bus
D_DQ[8]	91	I/O10	data bus
VCC_IO4	92	VCC_IO	V _{CC} I/O pads
D_DQ[6]	93	I/O10	data bus
D_DQ[9]	94	I/O10	data bus
D_DQ[10]	95	I/O10	data bus
D_DQ[4]	96	I/O10	data bus
D_DQ[11]	97	I/O10	data bus
D_DQ[3]	98	I/O10	data bus
GND_IO5	99	GND_IO	GND I/O pads
D_DQ[12]	100	I/O10	data bus
D_DQ[2]	101	I/O10	data bus
D_DQ[13]	102	I/O10	data bus
D_DQ[1]	103	I/O10	data bus
D_DQ[14]	104	I/O10	data bus
D_DQ[0]	105	I/O10	data bus
VCC_IO5	106	VCC_IO	V _{CC} I/O pads
D_DQ[15]	107	I/O10	data bus
DSD_PCM_0	108	O10	6-channel data output
DSD_PCM_1	109	O10	6-channel data output
DSD_PCM_2	110	O10	6-channel data output
DSD_PCM_3	111	O10	6-channel data output
GND_IO6	112	GND_IO	GND I/O pads
DSD_PCM_4	113	O10	6-channel data output
DSD_PCM_5	114	O10	6-channel data output
DSD_PCM_6	115	O10	6-channel clock/control
DSD_PCM_7	116	O10	6-channel clock/control
DSD_PCM_8	117	O10	2-channel clock/control
VCC_IO6	118	VCC_IO	V _{CC} I/O pads

Symbol	Pin	Type ^{xHz}	Description
DSD_PCM_10	119	O10	2-channel data output
DSD_PCM_9	120	O10	2-channel clock or control
DSD_PCM_11	121	O10	2-channel data output
RESETn	122	IN	asynchronous reset; active LOW
H_A_sel	123	IN	address select
H_A[6]	124	IN	address bus
H_A[5]	125	IN	address bus
H_A[4]	126	IN	address bus
H_A[3]	127	IN	address bus
H_A[2]	128	IN	address bus

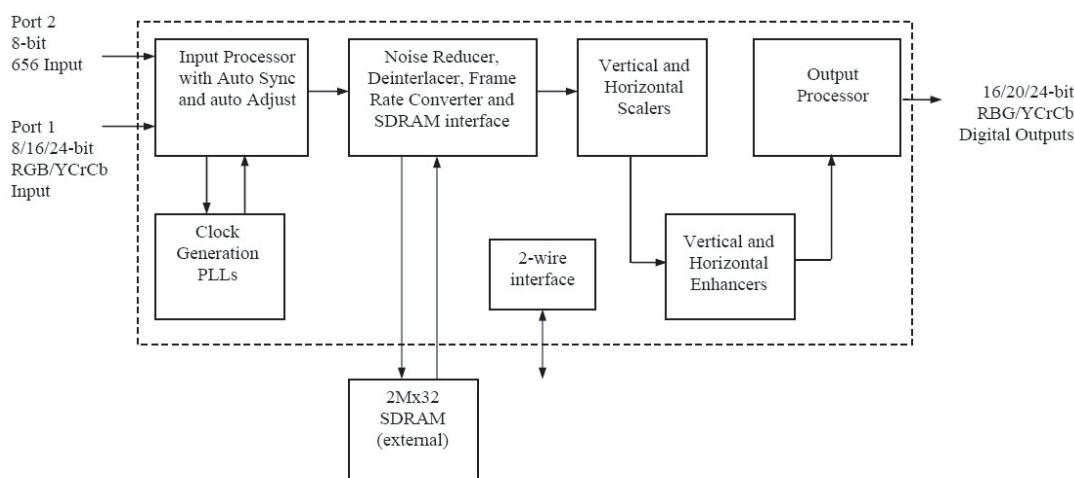
■ BLOCK DIAGRAM



I/P UPSCALAR (FLI2310 : IC61)

■ BLOCK DIAGRAM

Figure 2.1: FLI2310 – Simplified Internal Block Diagram



■ PIN DESCRIPTION

Pin No	Pin Name	I/O Type	Voltage Tolerance	Drive	Internal Pull up/ Pulldown	Description
1	HSYNC1_PORT1	Input	5v			Horizontal sync or reference -CTL1 of Port 1
2	VSNC1_PORT1	Input	5v			Vertical sync or reference -CTL1 of Port 1
3	FIELD ID1_PORT1	Input	5v			Odd/Even Field identification -CTL1 of Port 1
4	IN_CLK1_PORT1	Input	5v			Data Clock input -CTL1 of Port 1
5	HSYNC2_PORT1	Input	5v			Horizontal sync or reference -CTL2 of Port 1
6	VSNC2_PORT1	Input	5v			Vertical sync or reference -CTL2 of Port 1
7	FIELD ID2_PORT1	Input	5v			Odd/Even Field identification -CTL2 of Port 1
8	VDD1	Power				3.3 V - Power pin for IO
9	VSS	Ground				Ground
10	IN_CLK2_PORT1	Input	5v			Data Clock input -CTL2 of Port 1
11	B/Cb/D1_0	Input	5v			Port 1 – Digital video input (Blue/Cb/D1)
12	B/Cb/D1_1	Input	5v			Port 1 – Digital video input (Blue/Cb/D1)
13	B/Cb/D1_2	Input	5v			Port 1 – Digital video input (Blue/Cb/D1)
14	B/Cb/D1_3	Input	5v			Port 1 – Digital video input (Blue/Cb/D1)
15	B/Cb/D1_4	Input	5v			Port 1 – Digital video input (Blue/Cb/D1)
16	VDDcore1	Power				1.8 V - Power pin for core
17	VSScore	Ground				Ground
18	B/Cb/D1_5	Input	5v			Port 1 – Digital video input (Blue/Cb/D1)
19	B/Cb/D1_6	Input	5v			Port 1 – Digital video input (Blue/Cb/D1)
20	B/Cb/D1_7	Input	5v			Port 1 – Digital video input (Blue/Cb/D1)
21	R/Cr/Cb Cr_0	Input	5v			Port 1 – Digital video input (Red/Cr/CrCb)
22	R/Cr/Cb Cr_1	Input	5v			Port 1 – Digital video input (Red/Cr/CrCb)
23	R/Cr/Cb Cr_2	Input	5v			Port 1 – Digital video input (Red/Cr/CrCb)
24	R/Cr/Cb Cr_3	Input	5v			Port 1 – Digital video input (Red/Cr/CrCb)
25	R/Cr/Cb Cr_4	Input	5v			Port 1 – Digital video input (Red/Cr/CrCb)
26	R/Cr/Cb Cr_5	Input	5v			Port 1 – Digital video input (Red/Cr/CrCb)
27	R/Cr/Cb Cr_6	Input	5v			Port 1 – Digital video input (Red/Cr/CrCb)
28	R/Cr/Cb Cr_7	Input	5v			Port 1 – Digital video input (Red/Cr/CrCb)
29	G/Y/Y_0	Input	5v			Port 1 – Digital video input (Green/Y)
30	VDD2	Power				3.3 V - Power pin for IO
31	VSS	Ground				Ground
32	G/Y/Y_1	Input	5v			Port 1 – Digital video input (Green/Y)
33	G/Y/Y_2	Input	5v			Port 1 – Digital video input (Green/Y)
34	G/Y/Y_3	Input	5v			Port 1 – Digital video input (Green/Y)
35	G/Y/Y_4	Input	5v			Port 1 – Digital video input (Green/Y)
36	VDDcore2	Power				1.8 V - Power pin for core
37	VSScore	Ground				Ground
38	G/Y/Y_5	Input	5v			Port 1 – Digital video input (Green/Y)
39	G/Y/Y_6	Input	5v			Port 1 – Digital video input (Green/Y)
40	G/Y/Y_7	Input	5v			Port 1 – Digital video input (Green/Y)
41	IN_SEL	Output	5v	8 mA		Output to select external video mux
42	TEST	Input	5v			Connect to Ground
43	DEV_ADDR1	Input	5v			Device address setting 1

Pin No	Pin Name	I/O Type	Voltage Tolerance	Drive	Internal Pull up/ Pulldown	Description
44	DEV_ADDR0	Input	5v			Device address setting 0
45	SCLK	I/O	5v	8 mA		2-wire serial control bus clock
46	SDATA	I/O	5v	8 mA		2-wire serial control bus data
47	RESET_N	Input	5v		PU	Reset
48	VDD3	Power				3.3 V – Power pin for IO
49	VSS	Ground				Ground
50	SDRAM DATA(0)	Tristate I/O	5v	4 mA	PD	SDRAM data bus *
51	SDRAM DATA(1)	Tristate I/O	5v	4 mA	PD	SDRAM data bus *
52	SDRAM DATA(2)	Tristate I/O	5v	4 mA	PD	SDRAM data bus *
53	SDRAM DATA(3)	Tristate I/O	5v	4 mA	PD	SDRAM data bus *
54	SDRAM DATA(4)	Tristate I/O	5v	4 mA	PD	SDRAM data bus *
55	SDRAM DATA(5)	Tristate I/O	5v	4 mA	PD	SDRAM data bus *
56	SDRAM DATA(6)	Tristate I/O	5v	4 mA	PD	SDRAM data bus *
57	SDRAM DATA(7)	Tristate I/O	5v	4 mA	PD	SDRAM data bus *
58	SDRAM DATA(8)	Tristate I/O	5v	4 mA	PD	SDRAM data bus *
59	SDRAM DATA(9)	Tristate I/O	5v	4 mA	PD	SDRAM data bus *
60	SDRAM DATA(10)	Tristate I/O	5v	4 mA	PD	SDRAM data bus *
61	SDRAM DATA(11)	Tristate I/O	5v	4 mA	PD	SDRAM data bus *
62	VDD4	Power				3.3 V – Power pin for IO
63	VSS	Ground				Ground
64	SDRAM DATA(12)	Tristate I/O	5v	4 mA	PD	SDRAM data bus *
65	SDRAM DATA(13)	Tristate I/O	5v	4 mA	PD	SDRAM data bus *
66	SDRAM DATA(14)	Tristate I/O	5v	4 mA	PD	SDRAM data bus *
67	SDRAM DATA(15)	Tristate I/O	5v	4 mA	PD	SDRAM data bus *
68	VDDcore3	Power				1.8 V - Power pin for core
69	VSScore	Ground				Ground
70	SDRAM DATA(16)	Tristate I/O	5v	4 mA	PD	SDRAM data bus *
71	SDRAM DATA(17)	Tristate I/O	5v	4 mA	PD	SDRAM data bus *
72	SDRAM DATA(18)	Tristate I/O	5v	4 mA	PD	SDRAM data bus *
73	SDRAM DATA(19)	Tristate I/O	5v	4 mA	PD	SDRAM data bus *
74	SDRAM DATA(20)	Tristate I/O	5v	4 mA	PD	SDRAM data bus *
75	SDRAM DATA(21)	Tristate I/O	5v	4 mA	PD	SDRAM data bus *
76	SDRAM DATA(22)	Tristate I/O	5v	4 mA	PD	SDRAM data bus *
77	SDRAM DATA(23)	Tristate I/O	5v	4 mA	PD	SDRAM data bus *
78	SDRAM DATA(24)	Tristate I/O	5v	4 mA	PD	SDRAM data bus *
79	SDRAM DATA(25)	Tristate I/O	5v	4 mA	PD	SDRAM data bus *
80	VDDcore4	Power				1.8 V – Power pin for core
81	VSScore	Ground				Ground
82	SDRAM DATA(26)	Tristate I/O	5v	4 mA	PD	SDRAM data bus *
83	SDRAM DATA(27)	Tristate I/O	5v	4 mA	PD	SDRAM data bus *
84	SDRAM DATA(28)	Tristate I/O	5v	4 mA	PD	SDRAM data bus *
85	SDRAM DATA(29)	Tristate I/O	5v	4 mA	PD	SDRAM data bus *
86	SDRAM DATA(30)	Tristate I/O	5v	4 mA	PD	SDRAM data bus *
87	SDRAM DATA(31)	Tristate I/O	5v	4 mA	PD	SDRAM data bus *
88	VDD5	Power				3.3 V – Power pin for IO
89	VSS	Ground				Ground

Pin No	Pin Name	I/O Type	Voltage Tolerance	Drive	Internal Pull up/ Pulldown	Description
90	TEST IN	Input	5V			Test input-Connect to ground
91	SDRAM ADDR(10)	Tristate O/P	5v	8 mA		SDRAM address bus *
92	SDRAM ADDR(9)	Tristate O/P	5v	8 mA		SDRAM address bus *
93	SDRAM ADDR(8)	Tristate O/P	5v	8 mA		SDRAM address bus *
94	SDRAM ADDR(7)	Tristate O/P	5v	8 mA		SDRAM address bus *
95	SDRAM ADDR(6)	Tristate O/P	5v	8 mA		SDRAM address bus *
96	VDDcore5	Power				1.8 V – Power pin for core
97	VSScor	Ground				Ground
98	SDRAM ADDR(5)	Tristate O/P	5v	8 mA		SDRAM address bus *
99	SDRAM ADDR(4)	Tristate O/P	5v	8 mA		SDRAM address bus *
100	SDRAM ADDR(3)	Tristate O/P	5v	8 mA		SDRAM address bus *
101	SDRAM ADDR(2)	Tristate O/P	5v	8 mA		SDRAM address bus *
102	SDRAM ADDR(1)	Tristate O/P	5v	8 mA		SDRAM address bus *
103	SDRAM ADDR(0)	Tristate O/P	5v	8 mA		SDRAM address bus *
104	SDRAM WEN	Tristate O/P	5v	8 mA		SDRAM write enable *
105	SDRAM RASN	Tristate O/P	5v	8 mA		SDRAM row address select *
106	SDRAM CASN	Tristate O/P	5v	8 mA		SDRAM column address select *
107	SDRAM BA1	Tristate O/P	5v	8 mA		SDRAM bank select 1*
108	SDRAM BA0	Tristate O/P	5v	8 mA		SDRAM bank select 0*
109	SDRAM CSN	Tristate O/P	5v	4 mA		SDRAM CS *
110	SDRAM DQM	Tristate O/P	5v	8 mA		SDRAM DQM *
111	SDRAM CLKOUT	Output	5v	12 mA		Clock out to SDRAM *
112	VDD6	Power				3.3 V - Power pin for IO
113	VSS	Ground				Ground
114	SDRAM CLKIN	Input	5v			Trace delayed SDRAM Clock in
115	TEST3	Input				Test input – Connect to ground
116	TEST OUT0	Output		12 mA		Test output – leave open
117	TEST OUT1	Output		8 mA		Test output – leave open
118	CTLOUT0	Tristate O/P	5v	8 mA		Control signal output selectable as HSync1/ CSync/HRef/Monitor coast
119	CTLOUT1	Tristate O/P	5v	8 mA		Control signal output selectable as VSync1/CRef/VRef/Film Indicator
120	CTLOUT2	Tristate O/P	5v	8 mA		Control signal output selectable as Monitor coast/HRef/VDD_en / HSync2
121	CTLOUT3	Tristate O/P	5v	8 mA		Control signal output selectable as Film Indicator/VRef/backlight_en/VSync2
122	CTLOUT4	Tristate O/P	5v	8 mA		Control signal output selectable as CRef/Field ID/CSync/Monitor coast
123	VDDcore6	Power				1.8 V - Power pin for core
124	VSScore	Ground				Ground
125	CLKOUT	Tristate O/P	5v	12 mA		Output data rate clock
126	B/U/Pb_OUT_0	Tristate O/P	5v	8 mA		Digital video output – Blue/U/Pb
127	B/U/Pb_OUT_1	Tristate O/P	5v	8 mA		Digital video output – Blue/U/Pb
128	VDD7	Power				3.3 V – Power pin for IO
129	VSS	Ground				Ground
130	B/U/Pb_OUT_2	Tristate O/P	5v	8 mA		Digital video output – Blue/U/Pb
131	B/U/Pb_OUT_3	Tristate O/P	5v	8 mA		Digital video output – Blue/U/Pb

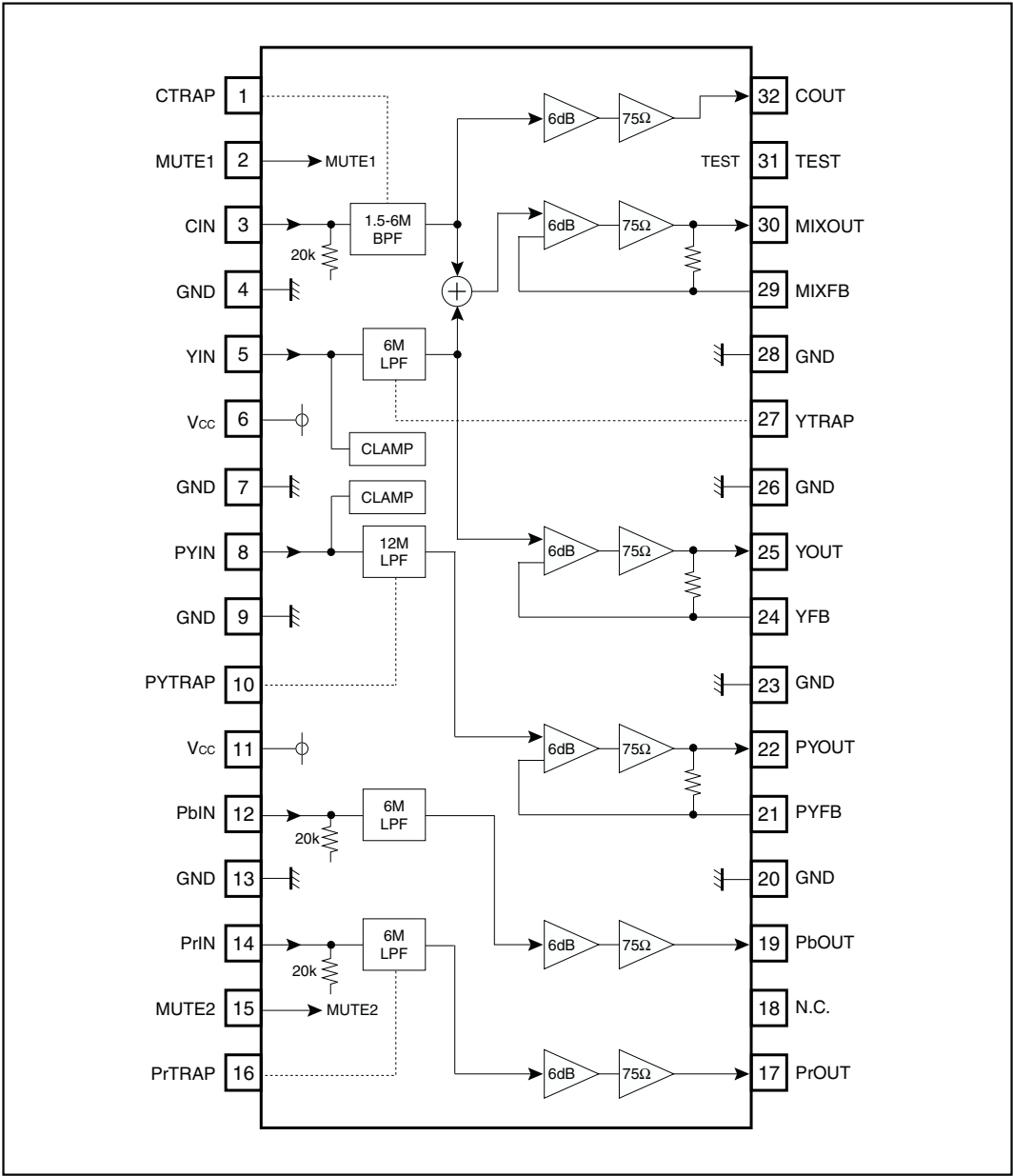
Pin No	Pin Name	I/O Type	Voltage Tolerance	Drive	Internal Pull up/ Pulldown	Description
132	B/U/Pb_OUT_4	Tristate O/P	5v	8 mA		Digital video output – Blue/U/Pb
133	B/U/Pb_OUT_5	Tristate O/P	5v	8 mA		Digital video output – Blue/U/Pb
134	B/U/Pb_OUT_6	Tristate O/P	5v	8 mA		Digital video output – Blue/U/Pb
135	B/U/Pb_OUT_7	Tristate O/P	5v	8 mA		Digital video output – Blue/U/Pb
136	R/V/Pr_OUT_0	Tristate O/P	5v	8 mA		Digital video output – Red/V/Pr
137	R/V/Pr_OUT_1	Tristate O/P	5v	8 mA		Digital video output – Red/V/Pr
138	VDDcore7	Power				1.8 V – Power pin for core
139	VSScore	Ground				Ground
140	R/V/Pr_OUT_2	Tristate O/P	5v	8 mA		Digital video output – Red/V/Pr
141	R/V/Pr_OUT_3	Tristate O/P	5v	8 mA		Digital video output – Red/V/Pr
142	R/V/Pr_OUT_4	Tristate O/P	5v	8 mA		Digital video output – Red/V/Pr
143	R/V/Pr_OUT_5	Tristate O/P	5v	8 mA		Digital video output – Red/V/Pr
144	R/V/Pr_OUT_6	Tristate O/P	5v	8 mA		Digital video output – Red/V/Pr
145	R/V/Pr_OUT_7	Tristate O/P	5v	8 mA		Digital video output – Red/V/Pr
146	VDD8	Power				3.3 V – Power pin for IO
147	VSS	Ground				Ground
148	G/Y/Y_OUT_0	Tristate O/P	5v	8 mA		Digital video output – Green/Y
149	G/Y/Y_OUT_1	Tristate O/P	5v	8 mA		Digital video output – Green/Y
150	G/Y/Y_OUT_2	Tristate O/P	5v	8 mA		Digital video output – Green/Y
151	G/Y/Y_OUT_3	Tristate O/P	5v	8 mA		Digital video output – Green/Y
152	G/Y/Y_OUT_4	Tristate O/P	5v	8 mA		Digital video output – Green/Y
153	G/Y/Y_OUT_5	Tristate O/P	5v	8 mA		Digital video output – Green/Y
154	G/Y/Y_OUT_6	Tristate O/P	5v	8 mA		Digital video output – Green/Y
155	G/Y/Y_OUT_7	Tristate O/P	5v	8 mA		Digital video output – Green/Y
156	OE	Input	5v			Output data enable for Digital video output
157	PLL_PVDD	Power				1.8 V – Power pin for PLL pads
158	PLL_PVSS	Ground				Ground for PLL pads
159	AVSS_PLL_BE1	Ground				PLL Ground
160	AVDD_PLL_BE1	Power				1.8 V – Power pin for PLL
161	AVDD_PLL_BE2	Power				1.8 V – Power pin for PLL
162	AVSS_PLL_BE2	Ground				PLL Ground
163	AVSS_PLL_SDI	Ground				PLL Ground
164	AVDD_PLL_SDI	Power				1.8 V – Power pin for PLL
165	AVDD_PLL_FE	Power				1.8 V – Power pin for PLL
166	AVSS_PLL_FE	Ground				PLL Ground
167	R_VSS	Ground				Ground
168	R_VDD1.8	Power				1.8 V
169	R_VSS	Ground				Ground
170	Reserved	-				Leave open
171	R_VDD	Power				3.3 V
172	R_VSS	Ground				Ground
173	Reserved	-				Leave open
174	R_VDD	Power				3.3 V
175	R_VSS	Ground				Ground
176	Reserved	-				Leave open
177	R_VDD	Power				3.3 V

Pin No	Pin Name	I/O Type	Voltage Tolerance	Drive	Internal Pull up/ Pulldown	Description
178	R_VSS	Ground				Ground
179	Reserved	-				Leave open
180	Reserved	-				Leave open
181	Reserved	-				Leave open
182	R_VSS	Ground				Ground
183	R_VDD	Power				3.3 V
184	R_VSS	Ground				Ground
185	R_VSS	Ground				Ground
186	R_VDD	Power				3.3 V
187	R_VDD	Power				3.3 V
188	TEST0	Input	5v			Test pin – connect to ground
189	TEST1	Input	5v			Test pin – connect to ground
190	TEST2	Input	5v			Test pin – connect to ground
191	XTAL IN	Input				External parallel crystal oscillator
192	XTAL OUT	Output				External parallel crystal oscillator
193	VDD9	Power				3.3 V - Power pin for IO
194	VSS	Ground				Ground
195	IN_CLK_PORT 2	Input	5v	4 mA		Port 2 - Data Clock input
196	D1_IN_0	Input	5v	4 mA		Port 2 - ITU-R BT656 digital data input
197	VDDcore8	Power				1.8 V – Power pin for core
198	VSScore	Ground				Ground
199	D1_IN_1	Input	5v	4 mA		Port 2 - ITU-R BT656 digital data input
200	D1_IN_2	Input	5v	4 mA		Port 2 - ITU-R BT656 digital data input
201	D1_IN_3	Input	5v	4 mA		Port 2 - ITU-R BT656 digital data input
202	D1_IN_4	Input	5v	4 mA		Port 2 - ITU-R BT656 digital data input
203	D1_IN_5	Input	5v	4 mA		Port 2 - ITU-R BT656 digital data input
204	D1_IN_6	Input	5v	4 mA		Port 2 - ITU-R BT656 digital data input
205	D1_IN_7	Input	5v	4 mA		Port 2 - ITU-R BT656 digital data input
206	FIELD ID_PORT 2	Input	5v	4 mA		Port 2 - Odd/Even Field identification
207	VSNC_PORT 2	Input	5v	4 mA		Port 2 - Vertical sync or reference
208	HSYNC_PORT 2	Input	5v	4 mA		Port 2 - Horizontal sync or reference

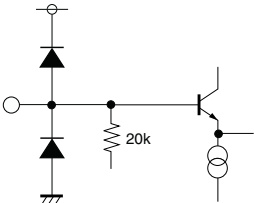
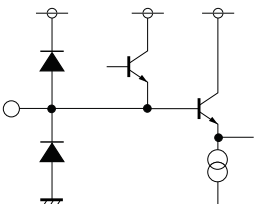
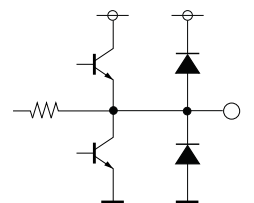
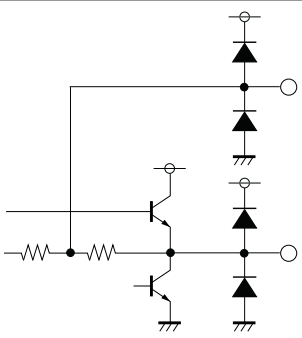
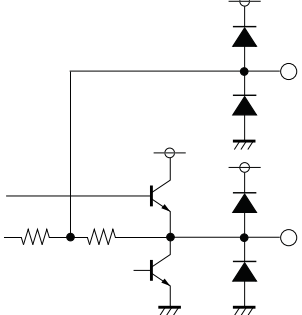
Note: 1) * - The connection of these pins depends on the type of external SDRAM used. See Appendix 3
2) For 16/20 bit Y and muxed C output modes see Appendix 2 for pin configuration

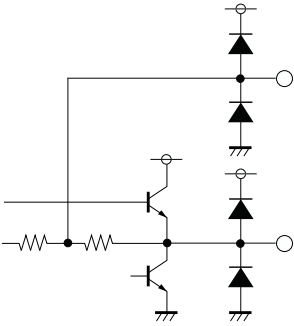
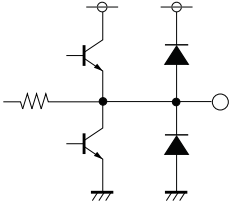
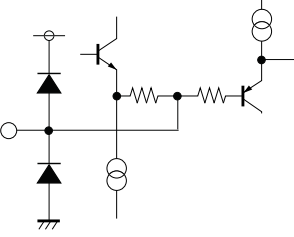
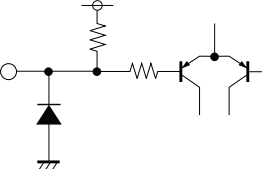
VIDEO DRIVER (BH7862FS : IC52)

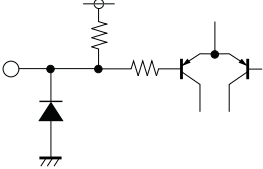
■ BLOCK DIAGRAM



■ PIN DESCRIPTION

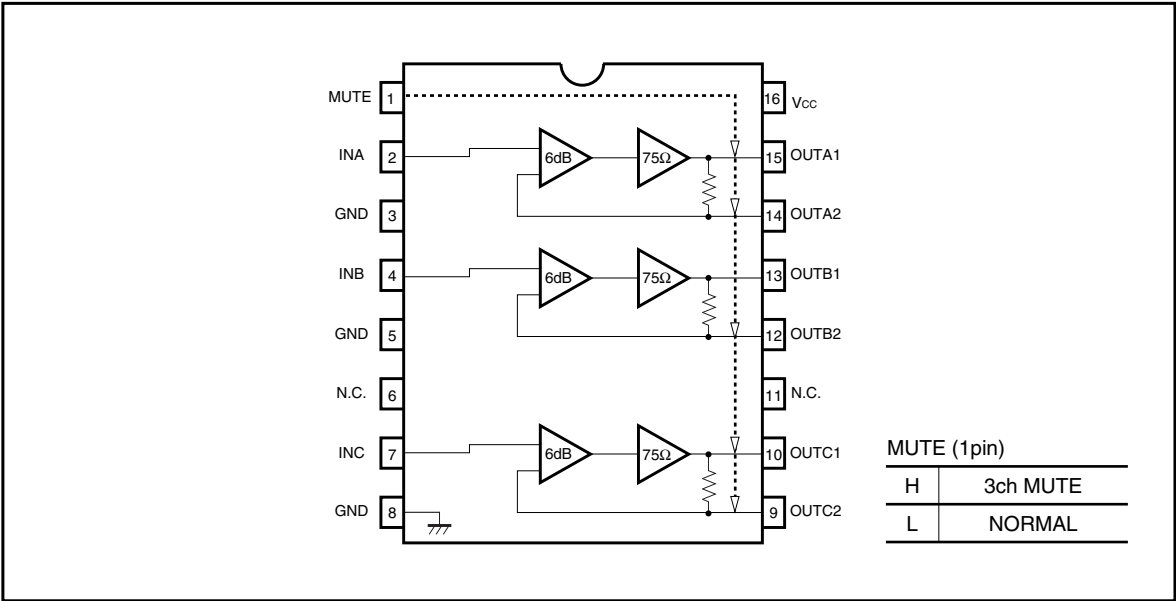
Pin No.	Pin name	Input/output equivalent circuit	Pin description
3 12 14	CIN PbIN PrIN		Signal input terminal. Input terminal for chroma signal and color-difference signal. Bias type input. The input impedance is 20kΩ.
5 8	YIN PYIN		Signal input terminal. Input terminal for luminance signal. Di clamp input.
32	COUT		Signal output terminal. Output terminal for chroma signal.
29 30	MIXFB MIXOUT		Signal output terminal. Output terminal for Y/C MIX signal.
24 25	YFB YOUT		Signal output terminal. Output terminal for luminance signal (interlaced type).

Pin No.	Pin name	Input/output equivalent circuit	Pin description
21 22	PYFB PYOUT		Signal output terminal. Output terminal for luminance signal (progressive type).
17 19	PrOUT PbOUT		Signal output terminal. Output terminal for color-difference signal.
1 27 10 16	CTPAP YTRAP PYTRAP PrTRAP		Terminal for LC resonance.
6 11	V _{CC}		Power supply voltage. V _{CC} is separated into 6 pin and 11 pin. That is to say, C, MIX and Y are partitioned by 6 pin and PY, Pb and Pr by 11 pin. They are not connected internally. Connect them externally when using.
4 7 9 13 20 23 26 28	GND		Grounding terminal.
2	MUTE1		Mute control terminal. C, MIX and Y are muted simultaneously by setting MUTE to "L".

Pin No.	Pin name	Input/output equivalent circuit	Pin description
12	MUTE2		Mute control terminal. PY, Pb and PR are muted simultaneously by setting MUTE to "L".
31	TEST		Test terminal. Usually, short-circuit this terminal to GND when using it.
18	N.C.		—

VIDEO DRIVER (BA7660FS : IC53)

■ BLOCK DIAGRAM

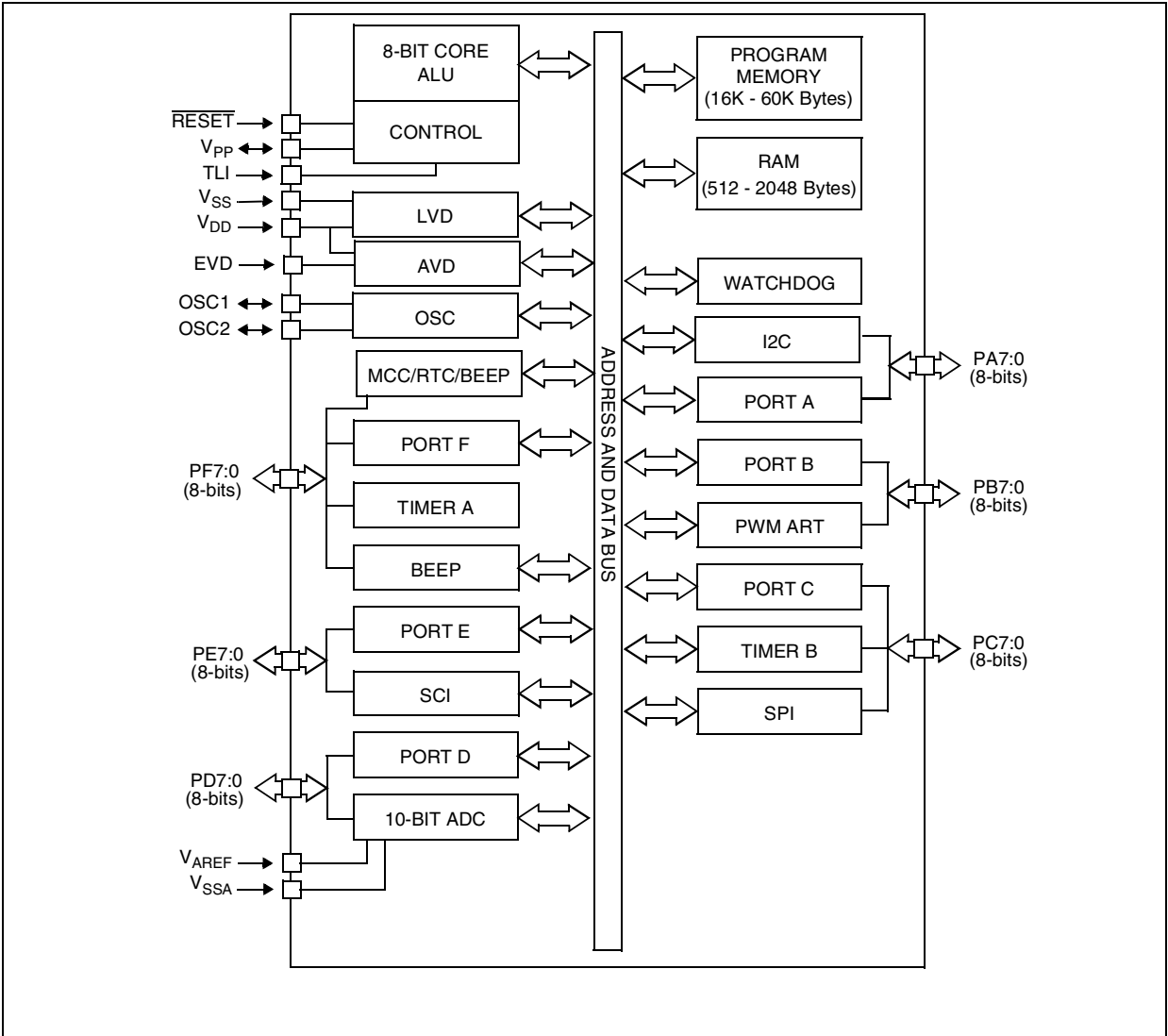


■ PIN DESCRIPTION

Pin. No	Pin name	IN	OUT	Reference voltage	Equivalent circuit	Function
1	MUTE	○	—	—		Muting control If MUTE (pin 1) is set to HIGH, muting is carried out simultaneously on all three channels.
2 4 7	INA INB INC	○	—	—		Signal input Input signals consist of composite video signals, Y signals, C signals, RGB, and others. The input level is within a range of 0 to 1.3 (min.) to 1.5 (typ.).
3 5 8	GND	—	—	0V		Ground
14 12 9 15 13 10	OUTA2 OUTB2 OUTC2 OUTA1 OUTB1 OUTC1	—	○	0.9V 0.95V		Signal output The signal output level is $(0.9 + 2 \times \text{input voltage [V]})$. Pins 9, 12, and 14 are the pins for sag correction. If pins 10, 13, and 15 are set to 0.2V or less, the protective circuit is triggered and the power-saving mode is accessed.
16	Vcc	—	—	5.0V		Power supply

HOST MICOM (ST72F321R9 : IC41)

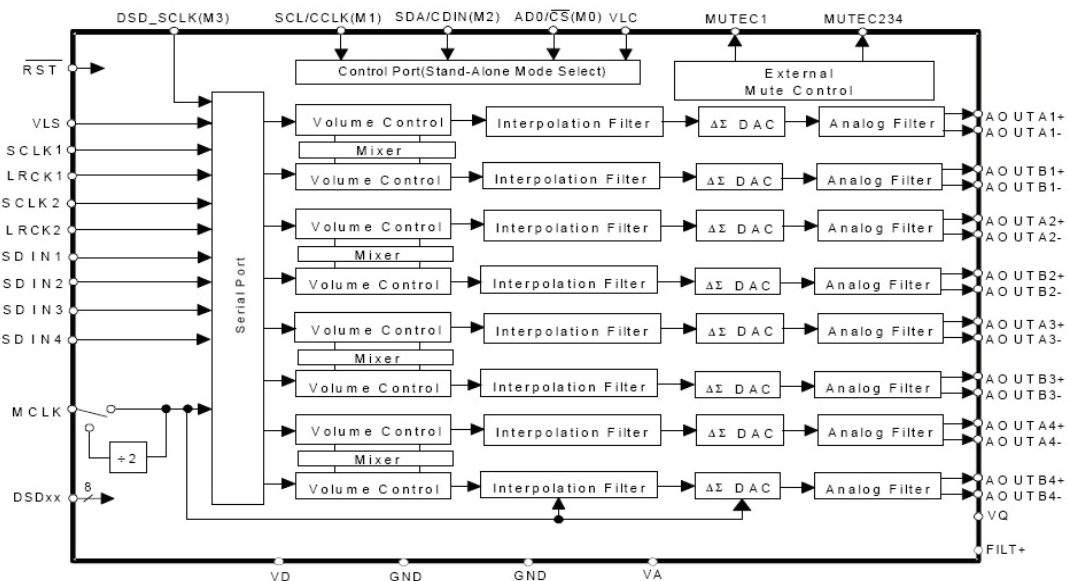
■ BLOCK DIAGRAM



■ PIN DESCRIPTION

No	SYMBOL	FUNCTION	No	SYMBOL	FUNCTION
1	PE4(HS)	RS-232C_RTS	33	VDD_0	U+5V
2	PE5(HS)	RS-232C_CTS	34	VSS_0	GND
3	PE6(HS)	VFD RESET	35	PC0/OCMP2_B/AIN12	-
4	PE7(HS)	-	36	PC1/OCMP1_B/AIN13	-
5	PB0/PWM3	Ext. Remote IN #1	37	PC2(HS)/ICAP2_B	-
6	PB1/PWM2	Ext. Remote IN #2	38	PC3(HS)/ICAP1_B	-
7	PB2/PWM1	-	39	PC4/MISO/ICCDATA	ICCDATA
8	PB3/PWM0	-	40	PC5/MOSI/AIN4	-
9	PB4(HS)/ARTCLK	-	41	PC6/SCK/ICCCLK	ICCCLK
10	PB5/ARTIC1	HDMI Detect	42	PC7/SS/AIN15	-
11	PB6/ARTIC2	HDMI Interrupt	43	PA0	-
12	PB7	-	44	PA1	M_REQ
13	PD0/AIN0	KEY#1	45	PA2	KEY#1
14	PD1/AIN1	KEY#2	46	PA3(HS)	M_RESET
15	PD2/AIN2	-	47	VDD_1	U+5V
16	PD3/AIN3	-	48	VSS_1	GND
17	PD4/AIN4	Power Control	49	PA4(HS)	F_REQ
18	PD5/AIN5	A Mute	50	PA5(HS)	-
19	PD6/AIN6	-	51	PA6(HS)/SDAI	I2C_DATA
20	PD7/AIN7	Open Drain	52	PA7(HS)/SCLI	I2C_CLK
21	VAREF	U+5V	53	VPP/ICCSEL	1CCSEL/Vpp
22	VSSA	GND	54	RESET	RESET
23	VDD_3	U+5V	55	EVD	-
24	VSS_4	GND	56	TLI	-
25	PF0/MCO/AIN8	Int. Remote IN	57	VSS_2	GND
26	PF1(HS)/BEEP	-	58	OSC2	OSC2
27	PF2(HS)	-	59	OSC1	OSC1
28	PF3/OCMP2_A/AIN9	HDMI_RESET	60	VDD_2	U+5V
29	PF4/OCMP1_A/AIN10	-	61	PE0/TDO	RS-232C_RX
30	PF5/ICAP2_A/AIN11	STANDBY LED	62	PE1/RDI	RS-232C_TX
31	PF6(HS)/ICAP1_A	-	63	PE2	-
32	PF7(HS)/EXTCLK_A	-	64	PE3	-

■ BLOCK DIAGRAM



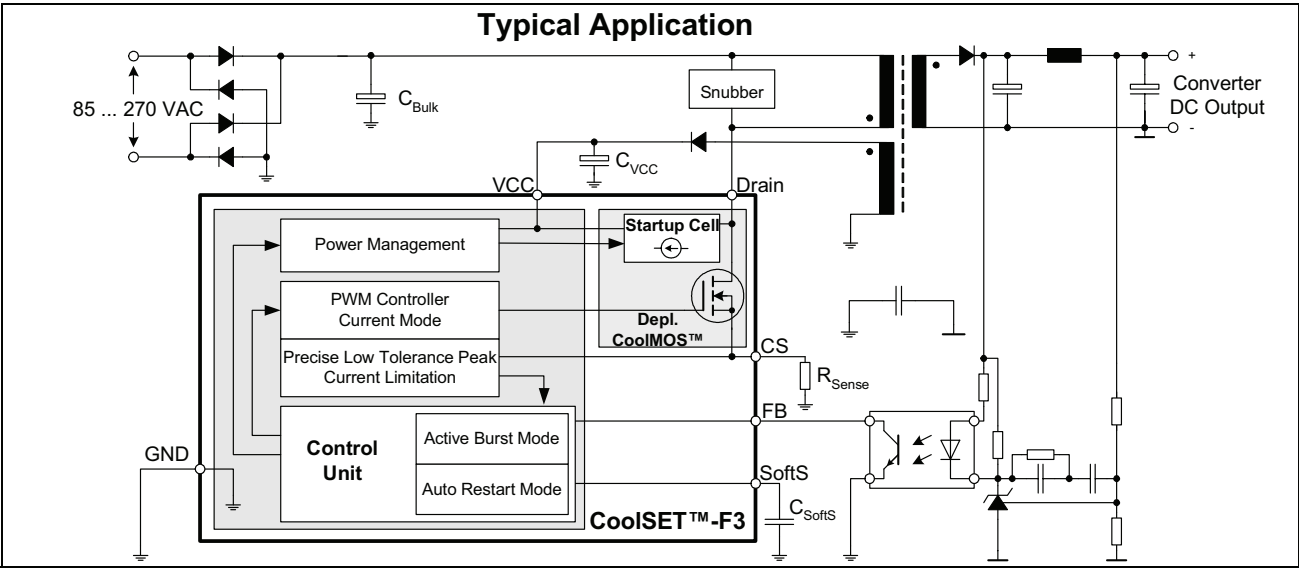
■ PIN DESCRIPTION

Pin Name	#	Pin Description
VD	4	Digital Power (<i>Input</i>) - Positive power supply for the digital section. Refer to the Recommended Operating Conditions for appropriate voltages.
GND	5 31	Ground (<i>Input</i>) - Ground reference. Should be connected to analog ground.
MCLK	6	Master Clock (<i>Input</i>) - Clock source for the delta-sigma modulator and digital filters. Table 5 illustrates several standard audio sample rates and the required master clock frequency.
LRCK1	7	Left Right Clock (<i>Input</i>) - Determines which channel, Left or Right, is currently active on the serial audio data line. The frequency of the left/right clock must be at the audio sample rate, Fs.
LRCK2	10	
SDIN1	8	Serial Audio Data Input (<i>Input</i>) - Input for two's complement serial audio data.
SDIN2	11	
SDIN3	13	
SDIN4	14	
SCLK1	9	Serial Clock (<i>Input</i>) - Serial clock for the serial audio interface.
SCLK2	12	
VLC	18	Control Port Power (<i>Input</i>) - Determines the required signal level for the control port. Refer to the Recommended Operating Conditions for appropriate voltages.
RST	19	Reset (<i>Input</i>) - The device enters a low power mode and all internal registers are reset to their default settings when low.
FILT+	20	Positive Voltage Reference (<i>Output</i>) - Positive reference voltage for the internal sampling circuits. Requires the capacitive decoupling to analog ground, as shown in the Typical Connection Diagram.
VQ	21	Quiescent Voltage (<i>Output</i>) - Filter connection for internal quiescent voltage. VQ must be capacitively coupled to analog ground, as shown in the Typical Connection Diagram. The nominal voltage level is specified in the Analog Characteristics and Specifications section. VQ presents an appreciable source impedance and any current drawn from this pin will alter device performance. However, VQ can be used to bias the analog circuitry assuming there is no AC signal component and the DC current is less than the maximum specified in the Analog Characteristics and Specifications section.

Pin Name	#	Pin Description
MUTEC1	41	Mute Control (Output) - The Mute Control pins go high during power-up initialization, reset, muting, power-down or if the master clock to left/right clock frequency ratio is incorrect. These pins are intended to be used as a control for external mute circuits to prevent the clicks and pops that can occur in any single supply system. The use of external mute circuits are not mandatory but may be desired for designs requiring the absolute minimum in extraneous clicks and pops.
MUTEC234	22	
AOUTA1 +,-	39, 40	Differential Analog Output (Output) - The full scale differential analog output level is specified in the Analog Characteristics specification table.
AOUTB1 +,-	38, 37	
AOUTA2 +,-	35, 36	
AOUTB2 +,-	34, 33	
AOUTA3 +,-	29, 30	
AOUTB3 +,-	28, 27	
AOUTA4 +,-	25, 26	
AOUTB4 +,-	24, 23	
VA	32	Analog Power (Input) - Positive power supply for the analog section. Refer to the Recommended Operating Conditions for appropriate voltages.
VLS	43	Serial Audio Interface Power (Input) - Determines the required signal level for the serial audio interface. Refer to the Recommended Operating Conditions for appropriate voltages.
Control Port Definitions		
SCL/CCLK	15	Serial Control Port Clock (Input) - Serial clock for the serial control port. Requires an external pull-up resistor to the logic interface voltage in I ² C mode as shown in the Typical Connection Diagram.
SDA/CDIN	16	Serial Control Data (Input/Output) - SDA is a data I/O line in I ² C mode and requires an external pull-up resistor to the logic interface voltage, as shown in the Typical Connection Diagram. CDIN is the input data line for the control port interface in SPI mode.
AD0/ $\overline{\text{CS}}$	17	Address Bit 0 (I²C) / Control Port Chip Select (SPI) (Input) - AD0 is a chip address pin in I ² C mode; $\overline{\text{CS}}$ is the chip select signal for SPI format.
Stand-Alone Definitions		
M0	17	Mode Selection (Input) - Determines the operational mode of the device as detailed in Tables 6 and 7.
M1	16	
M2	15	
M3	42	
DSD Definitions		
DSD_SCLK	42	DSD Serial Clock (Input) - Serial clock for the Direct Stream Digital audio interface.
DSD_EN	7	DSD-Enable (Input) - When held at logic '1' the device will enter DSD mode (Stand-Alone mode only).
DSDA1	3	Direct Stream Digital Input (Input) - Input for Direct Stream Digital serial audio data.
DSDB1	2	
DSDA2	1	
DSDB2	48	
DSDA3	47	
DSDB3	46	
DSDA4	45	
DSDB4	44	

SMPS CURRENT MODE CONTROLLER (ICE3B0365J : IC91)

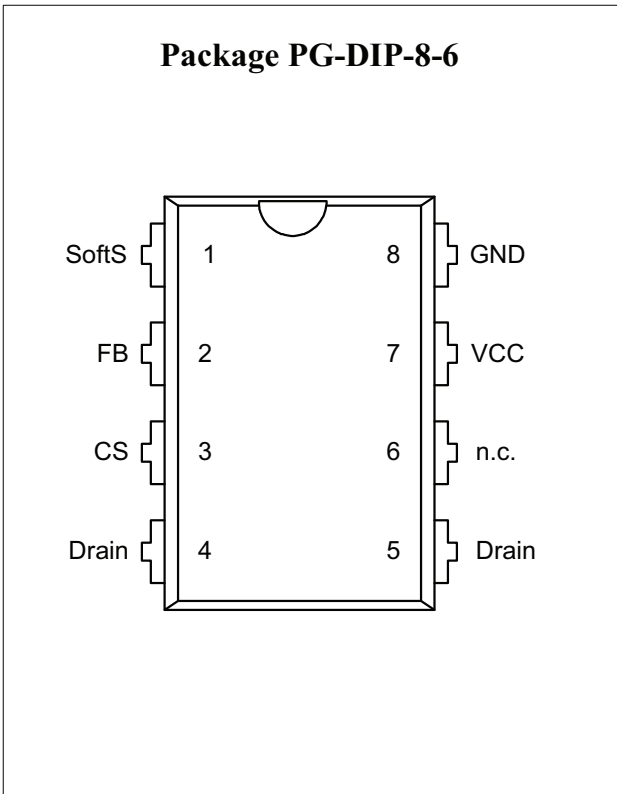
BLOCK DIAGRAM



PIN DESCRIPTION

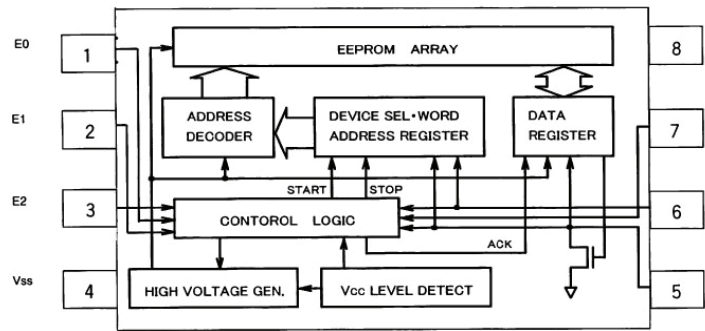
Pin	Symbol	Function
1	SoftS	Soft-Start
2	FB	Feedback
3	CS	Current Sense/ 650V ¹⁾ Depl. CoolMOS™ Source
4	Drain	650V ¹⁾ Depl. CoolMOS™ Drain
5	Drain	650V ¹⁾ Depl. CoolMOS™ Drain
6	n.c.	Not Connected
7	VCC	Controller Supply Voltage
8	GND	Controller Ground

¹⁾ at $T_j = 110^\circ\text{C}$



EEPROM (BR24C16 : IC14)

◇ BLOCK DIAGRAM



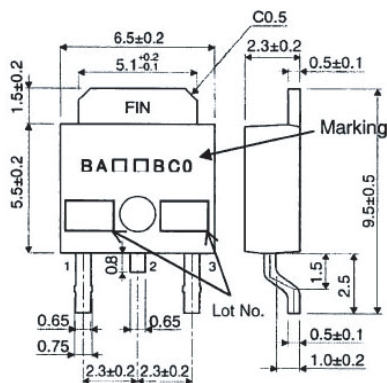
◇ PIN No., PIN NAME

PIN No.	PIN NAME
1	E0
2	E1
3	E2
4	Vss
5	SDA
6	SCL
7	WC
8	Vcc

REGULATOR IC

BA□□BC0FP TYPE

PHYSICAL DIMENSIONS, MARKING



TO252-3 (UNIT : mm)

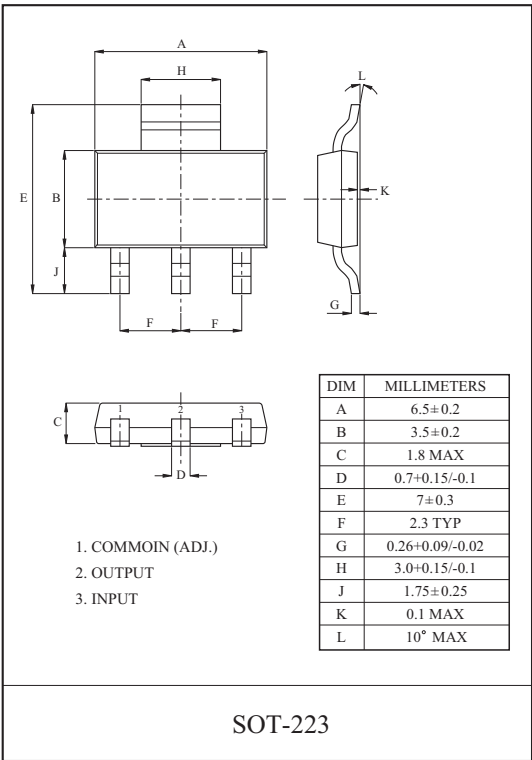
PIN NO. , PIN NAME

Pin No.	Pin Name
1	Vcc
2	N.C.
3	OUT
FIN	GND

OUTPUT VOLTAGE, MARKING

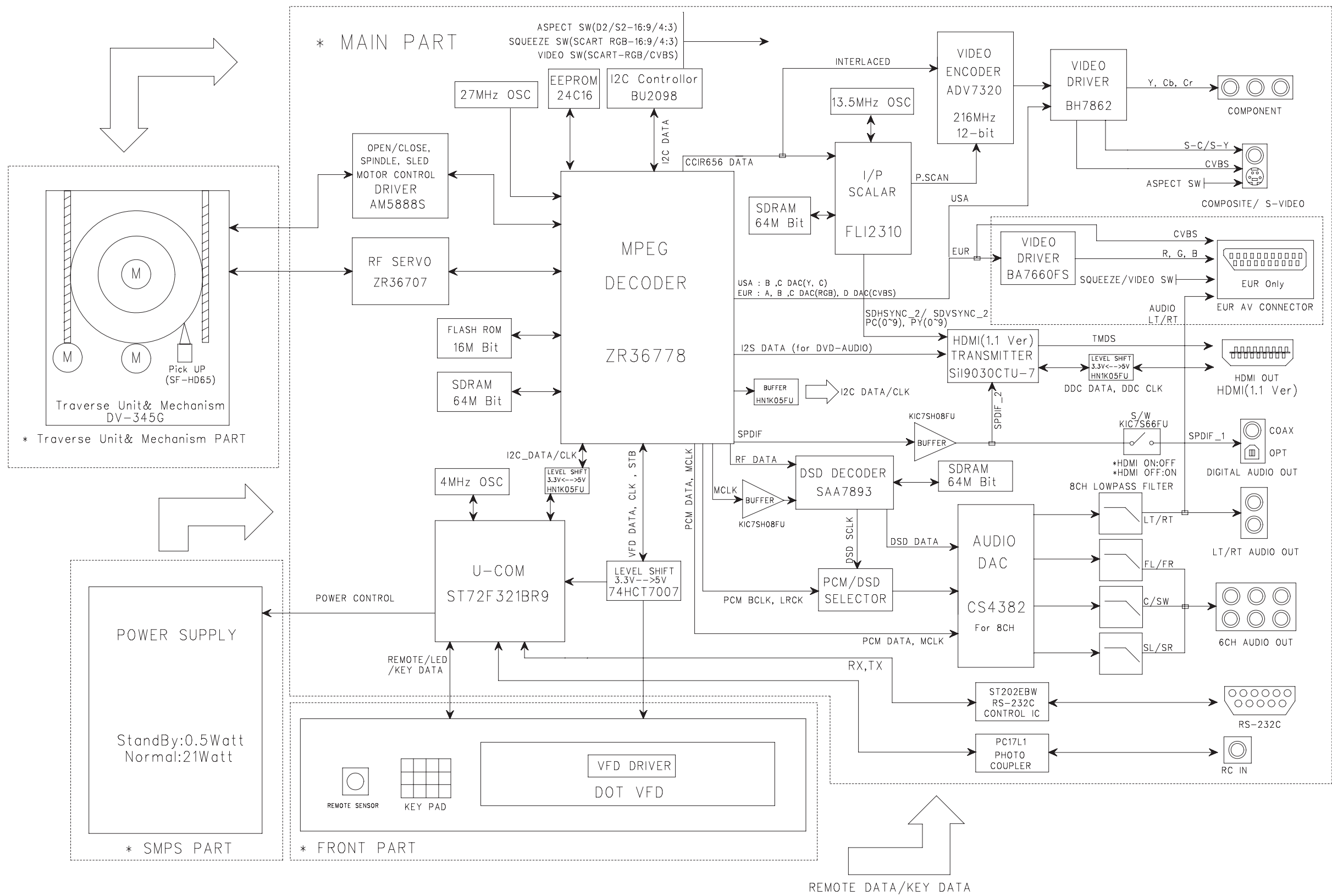
Parts Number	Marking	Output Voltage (V)	Parts Number	Marking	Output Voltage (V)
BA15BC0FP	BA15BC0	1.5	BA60BC0FP	BA60BC0W	6.0
BA18BC0FP	BA18BC0	1.8	BA70BC0FP	BA70BC0W	7.0
BA25BC0FP	BA25BC0	2.5	BA80BC0FP	BA80BC0W	8.0
BA30BC0FP	BA30BC0	3.0	BA90BC0FP	BA90BC0W	9.0
BA33BC0FP	BA33BC0	3.3	BAJ0BC0FP	BAJ0BC0W	10.0
BA50BC0FP	BA50BC0	5.0			

KIA1117S TYPE

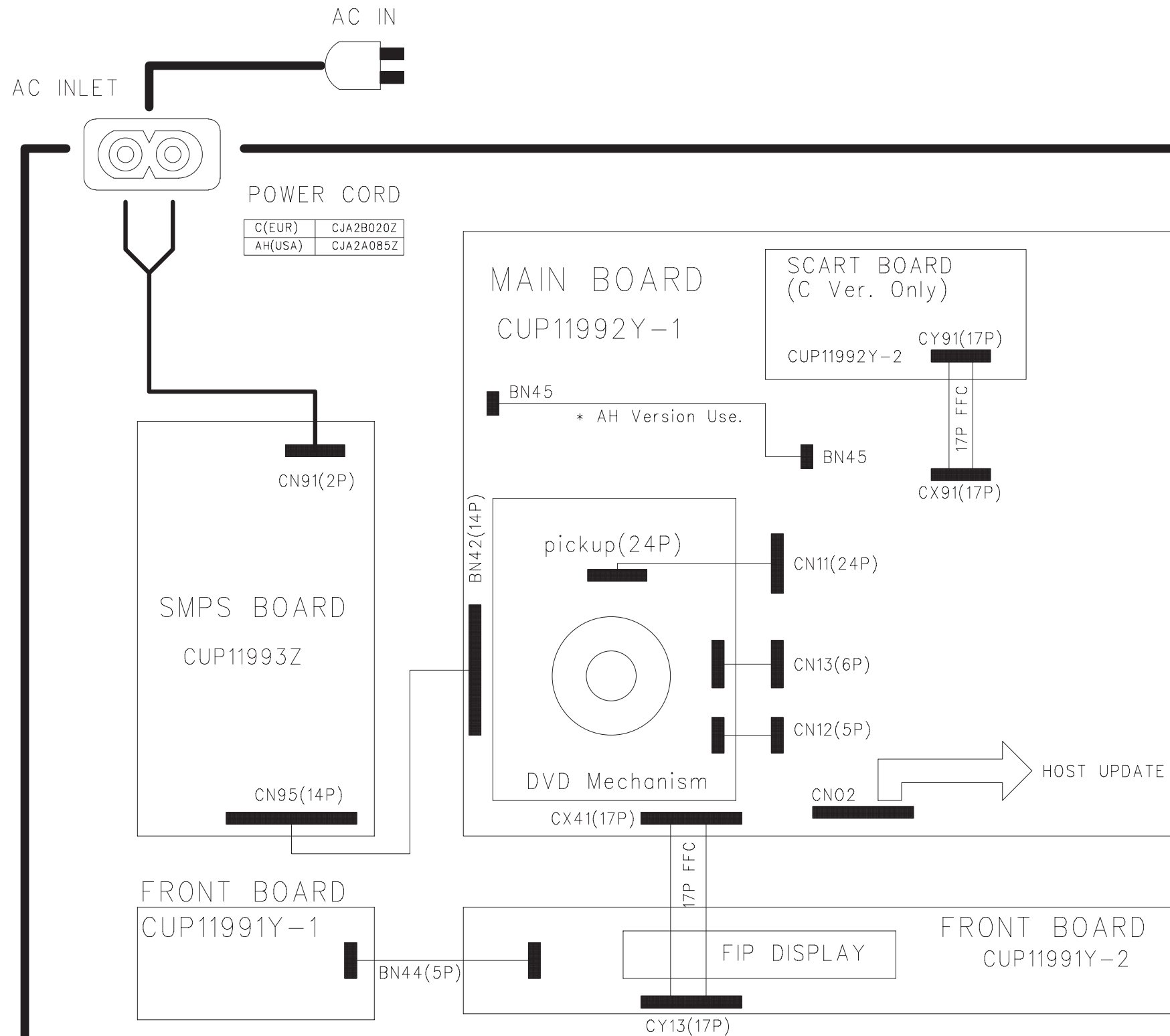


ITEM	OUTPUT VOLTAGE (V)	PACKAGE
KIA1117S/F00	Adjustable (1.25~10V)	S : SOT-223 F : DPAK
KIA1117S/F15	1.5	
KIA1117S/F18	1.8	
KIA1117S/F25	2.5	
KIA1117S/F28	2.85	
KIA1117S/F33	3.3	
KIA1117S/F50	5.0	

BLOCK DIAGRAM



WIRING DIAGRAM



PIN DESCRIPTION

CX41 $\leftarrow$ -- $\rightarrow$ CY13(17P)				CN11 $\leftarrow$ -- $\rightarrow$ pickup(24P)			
01	VFD_RESET	10	U+5V	01	F-	13	VREF
02	VFD_CLK0	11	N.C	02	F+	14	VCC
03	VFD_DATA0	12	LED	03	T+	15	E
04	VFD_STB0	13	N.C	04	T-	16	N.C
05	-28V	14	GND	05	C	17	VR-CD
06	VF+	15	Remote Out	06	D	18	VR-DVD
07	VF-	16	GND	07	CD/DVD SW	19	CD-LD
08	KEY#1	17	GND	08	RF	20	MD
09	KEY#2			09	A	21	HFM
				10	B	22	N.C
				11	F	23	DVD-LD
				12	GND/PD	24	GND_LD

BN42 $\leftarrow$ -- $\rightarrow$ CN95(14P)			
01	+12V	08	V+5V
02	-12V	09	D+8V
03	-28V	10	M+5.6V
04	VF+	11	U+5V
05	VF-	12	GND
06	Power_Ctrl	13	DGND
07	M+5V	14	DGND

CN12 $\leftarrow$ -- $\rightarrow$ LDR(5P)			
01	LOAD-	04	GND
02	LOAD+	05	IN_SW
03	OUT_SW		

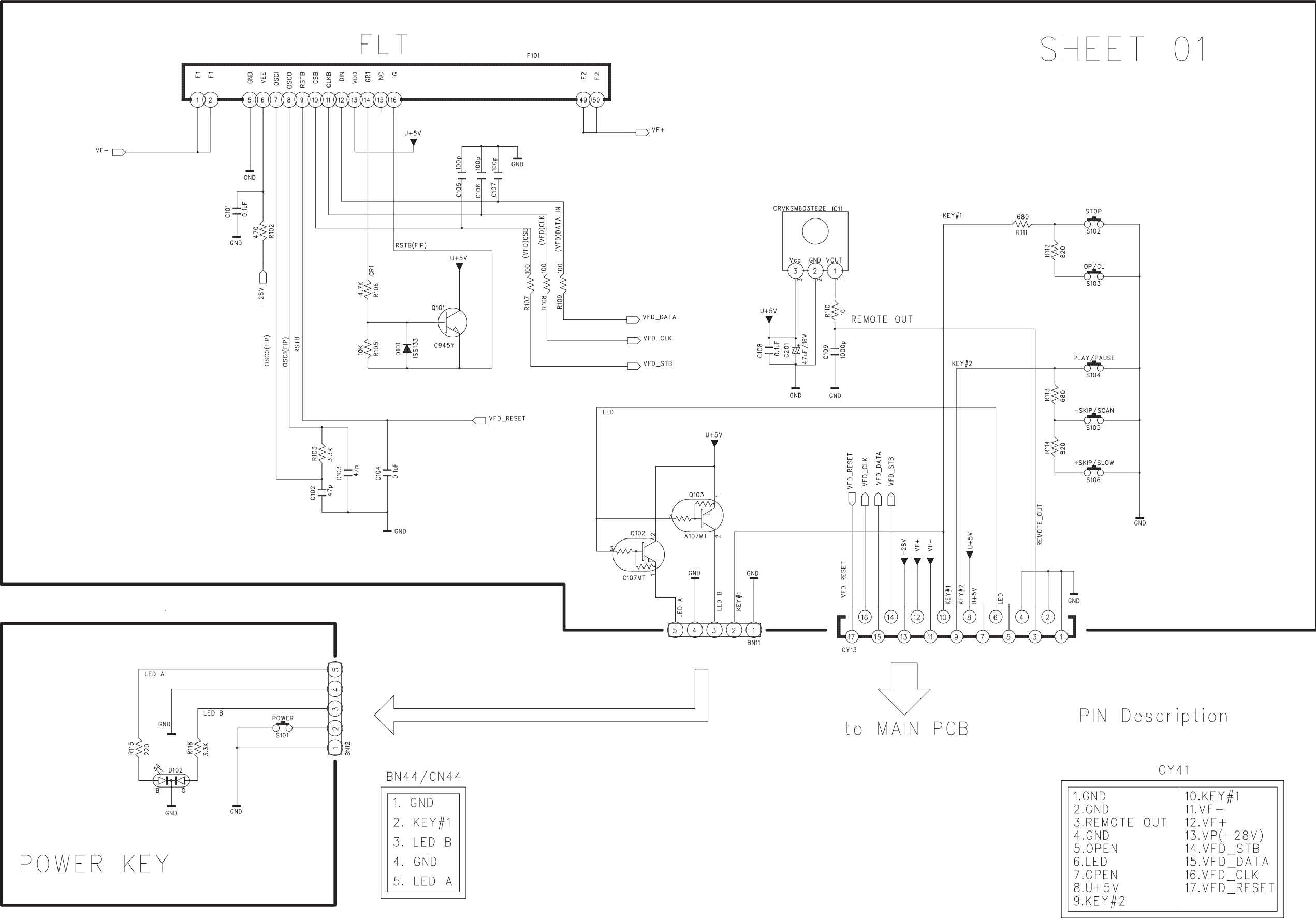
BN44(5P)			
01	GND	02	KEY#1
04	GND	05	LED A

CX91 $\leftarrow$ -- $\rightarrow$ CY91(17P)			
01	CVBS_OUT	10	SQUEEZE
02	GND	11	VSEL1
03	VMUTE3	12	VD+5V
04	GND	13	LT_FL
05	B_DAC	14	VD+5V
06	GND	15	RT_FR
07	A_DAC	16	GND
08	+12V	17	GND
09	C_DAC		

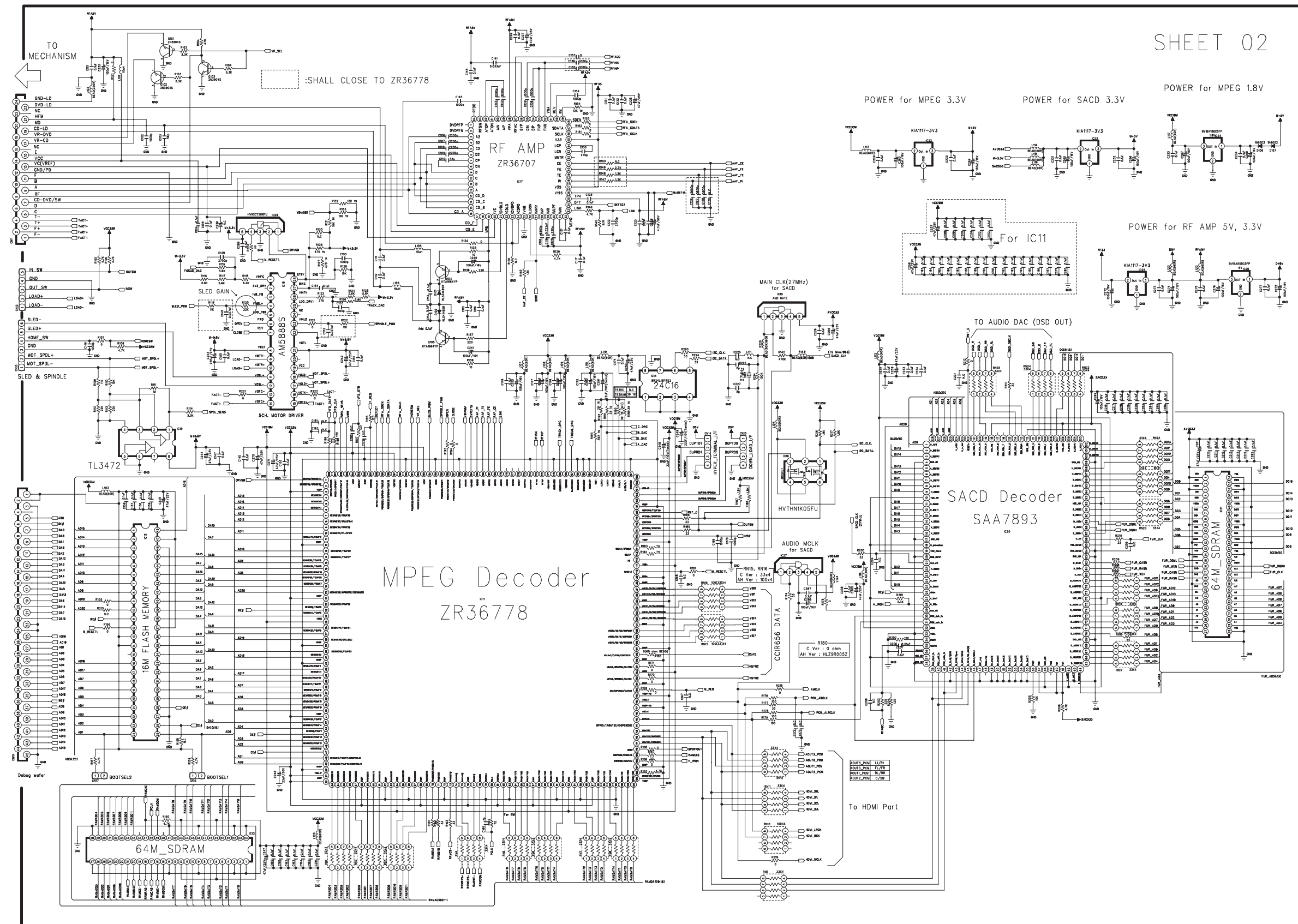
CN13 $\leftarrow$ -- $\rightarrow$ LDR(6P)			
01	MOT_SPDL-	04	HOME_SW
02	MOT_SPDL+	05	SLED-
03	GND	06	SLED+

BN45 $\leftarrow$ -- $\rightarrow$ BN45(4P)			
01	B_DAC(Y)	03	C_DAC(C)
02	GND	04	GND

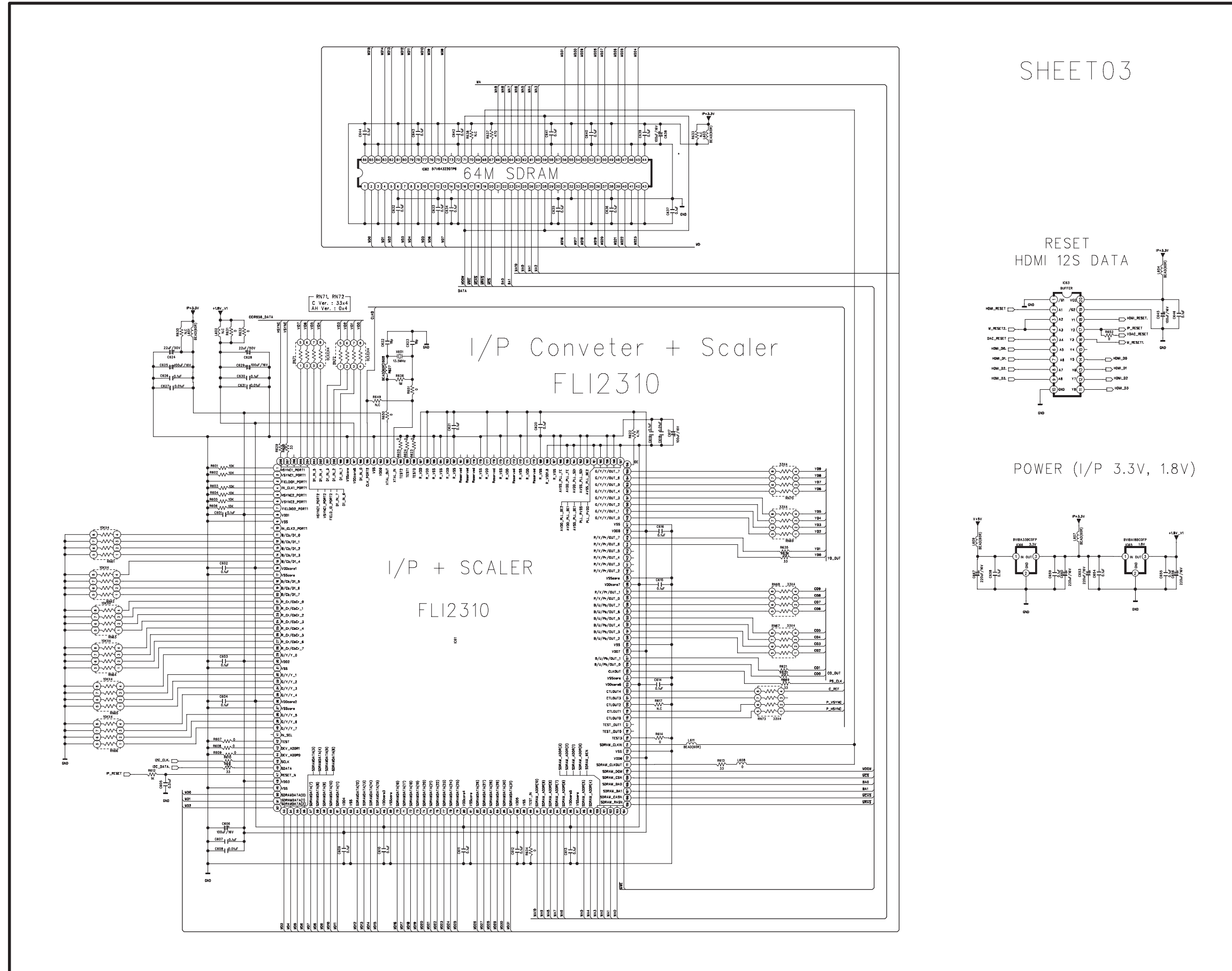
FRONT SCHEMATIC DIAGRAM



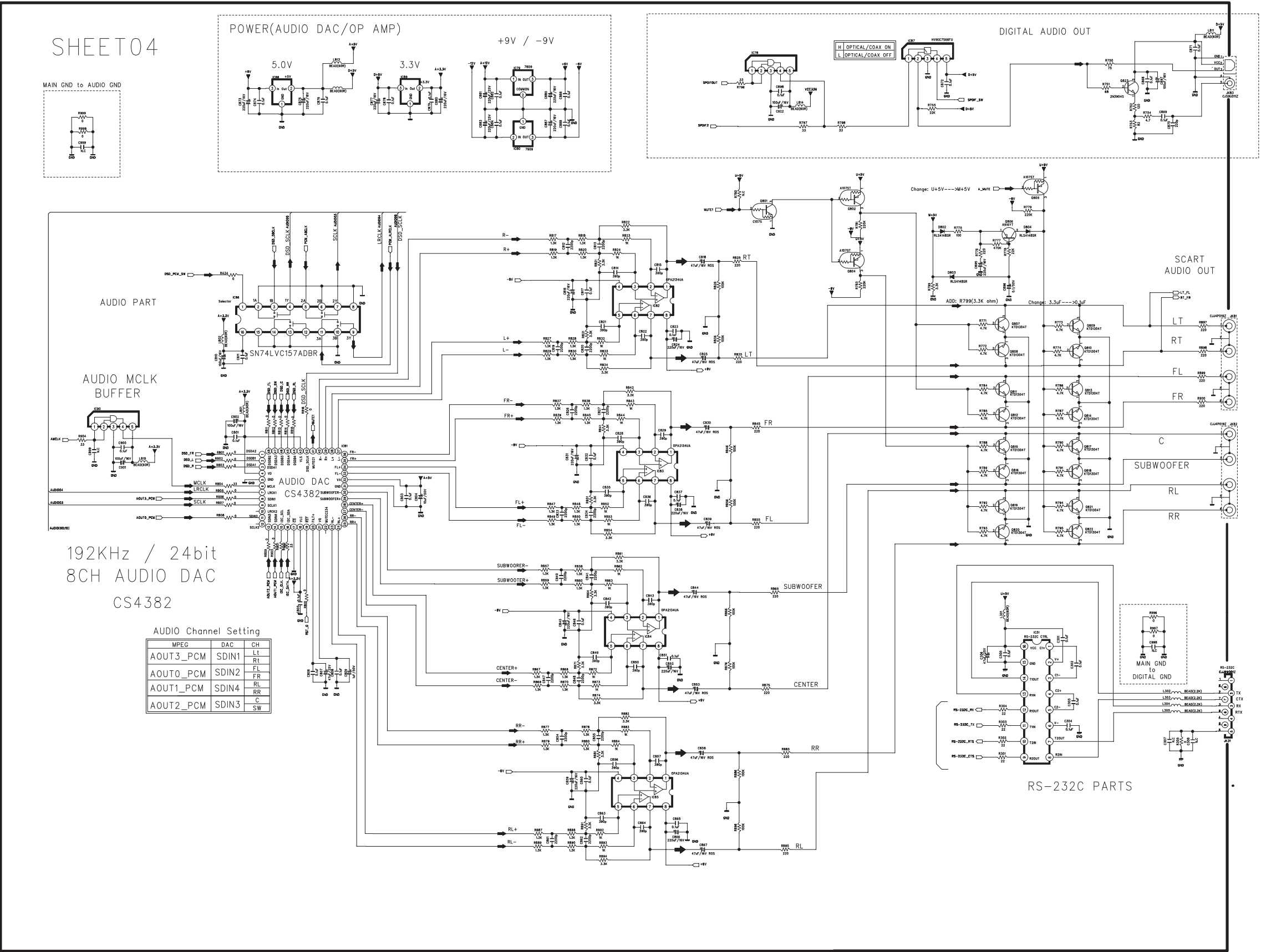
MAIN SCHEMATIC DIAGRAM 1



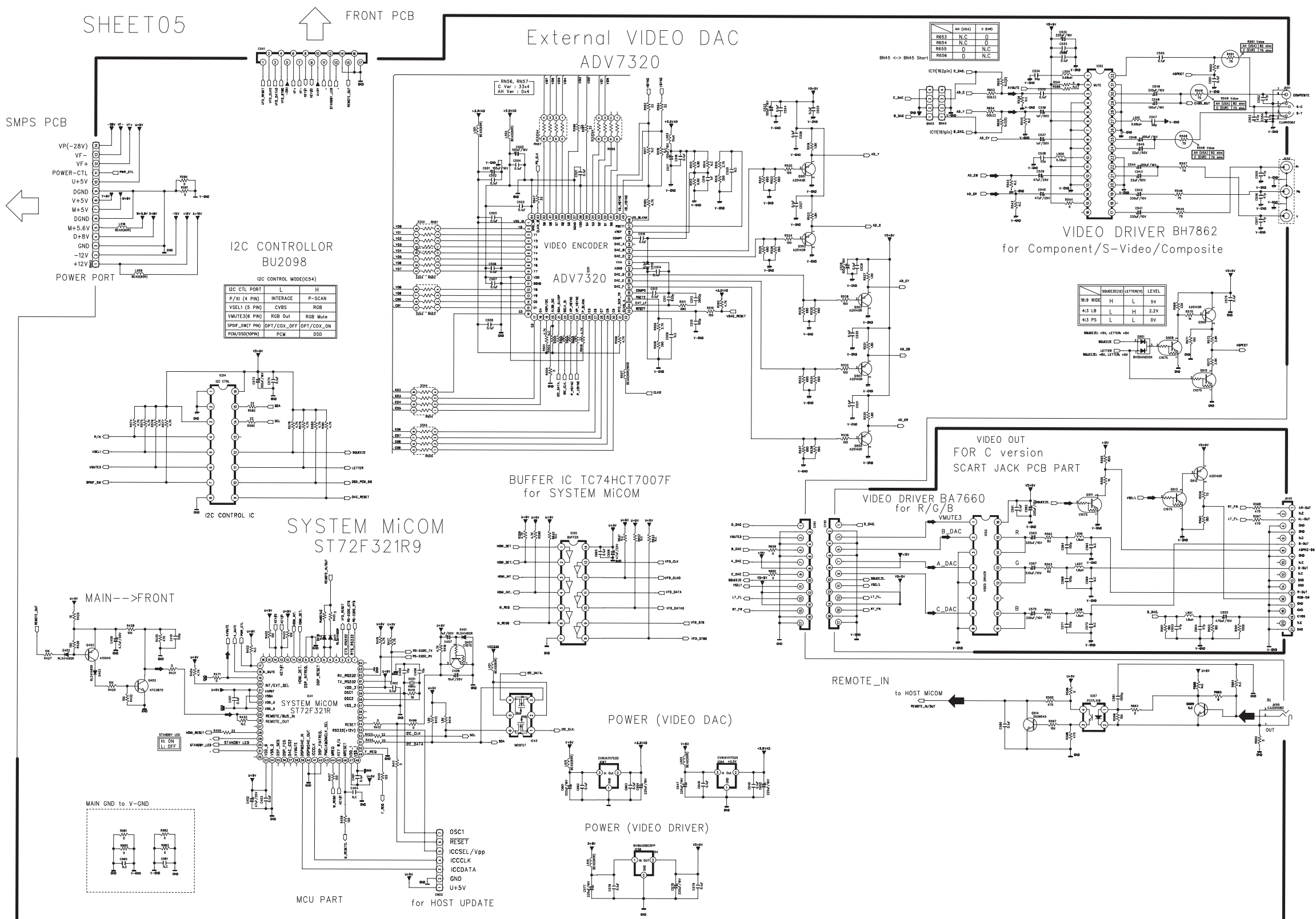
MAIN SCHEMATIC DIAGRAM 2



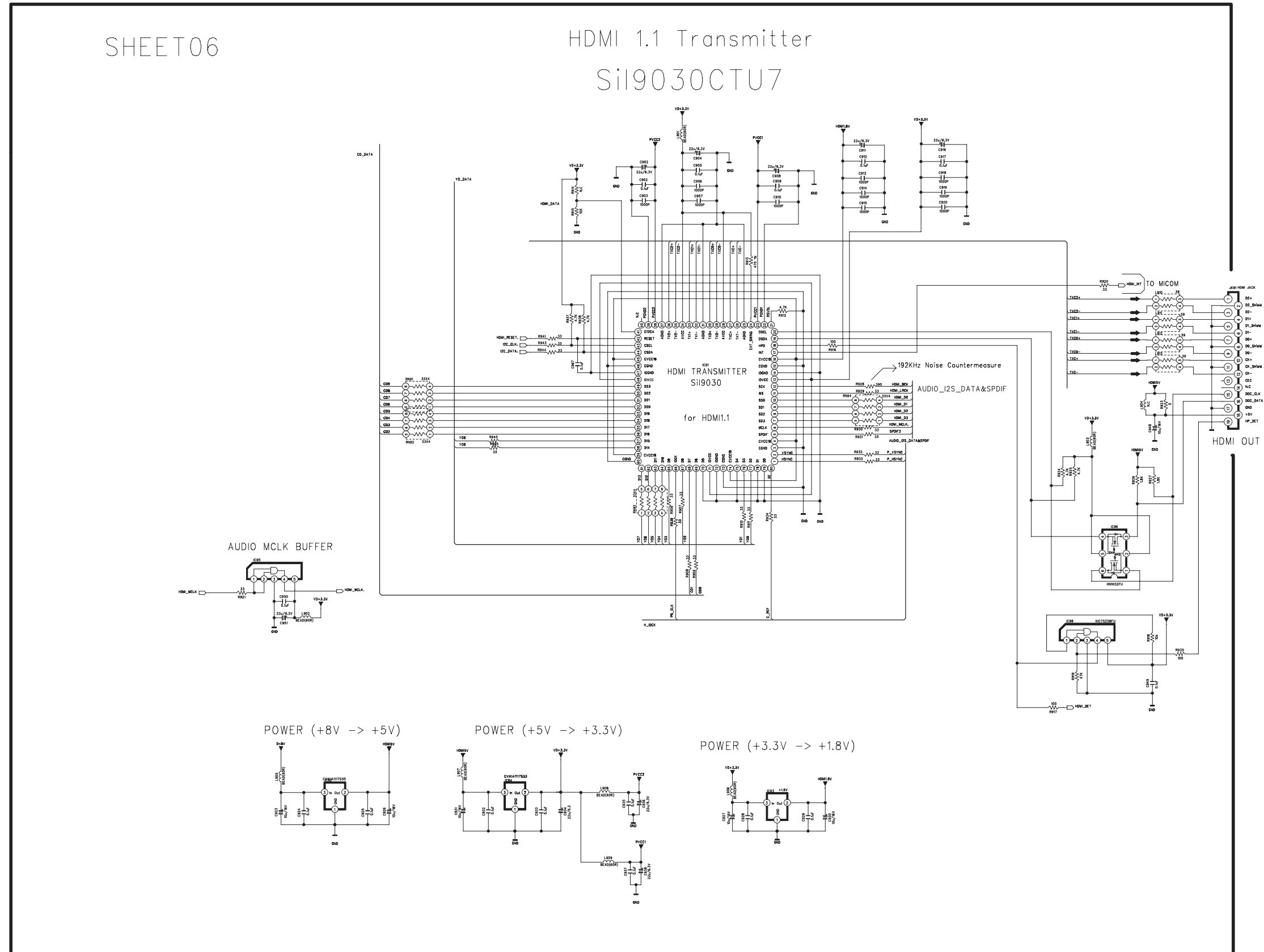
MAIN SCHEMATIC DIAGRAM 3



MAIN SCHEMATIC DIAGRAM 4



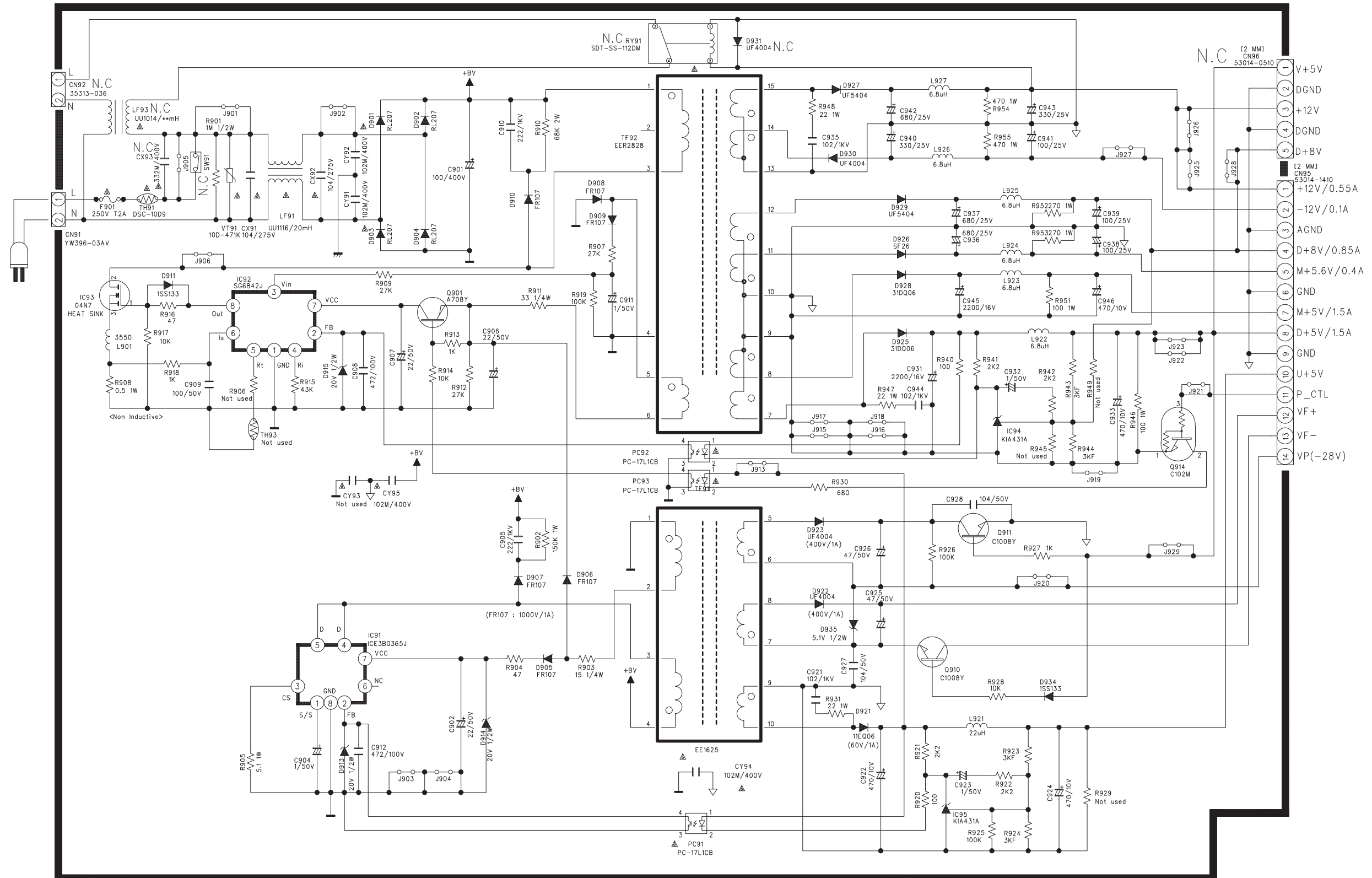
MAIN SCHEMATIC DIAGRAM 5



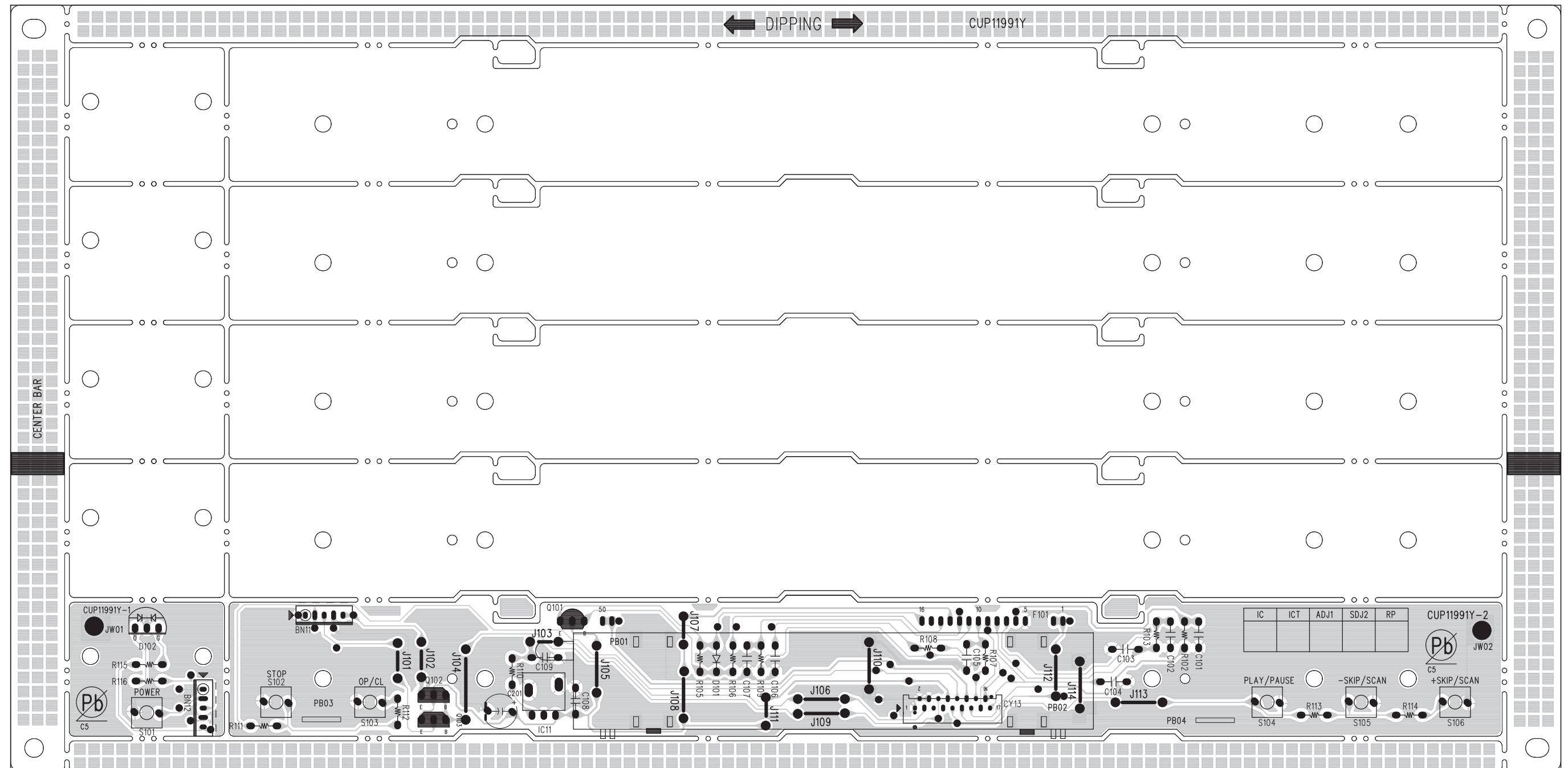
SMPS SCHEMATIC DIAGRAM

SHEET 07

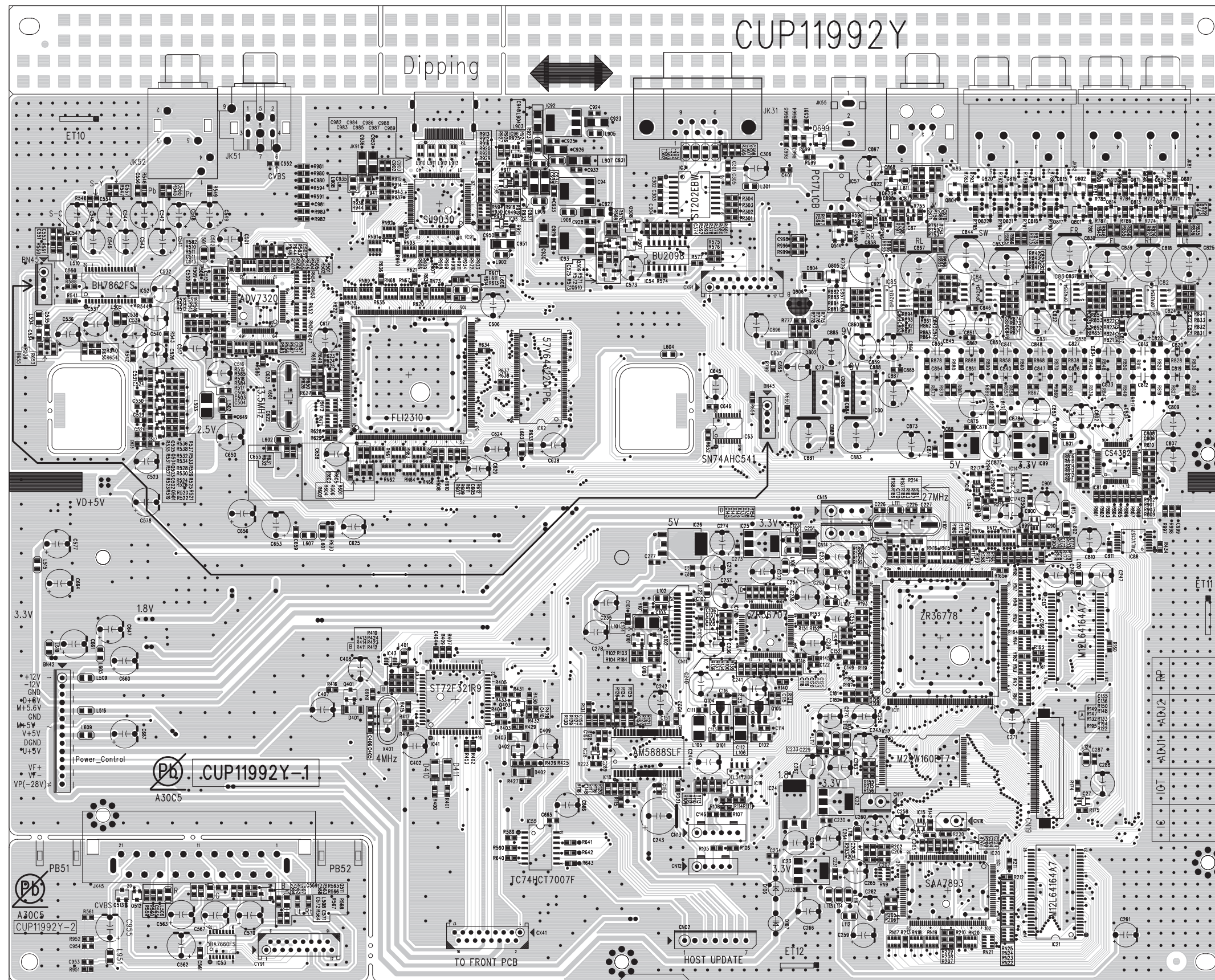
S M P S



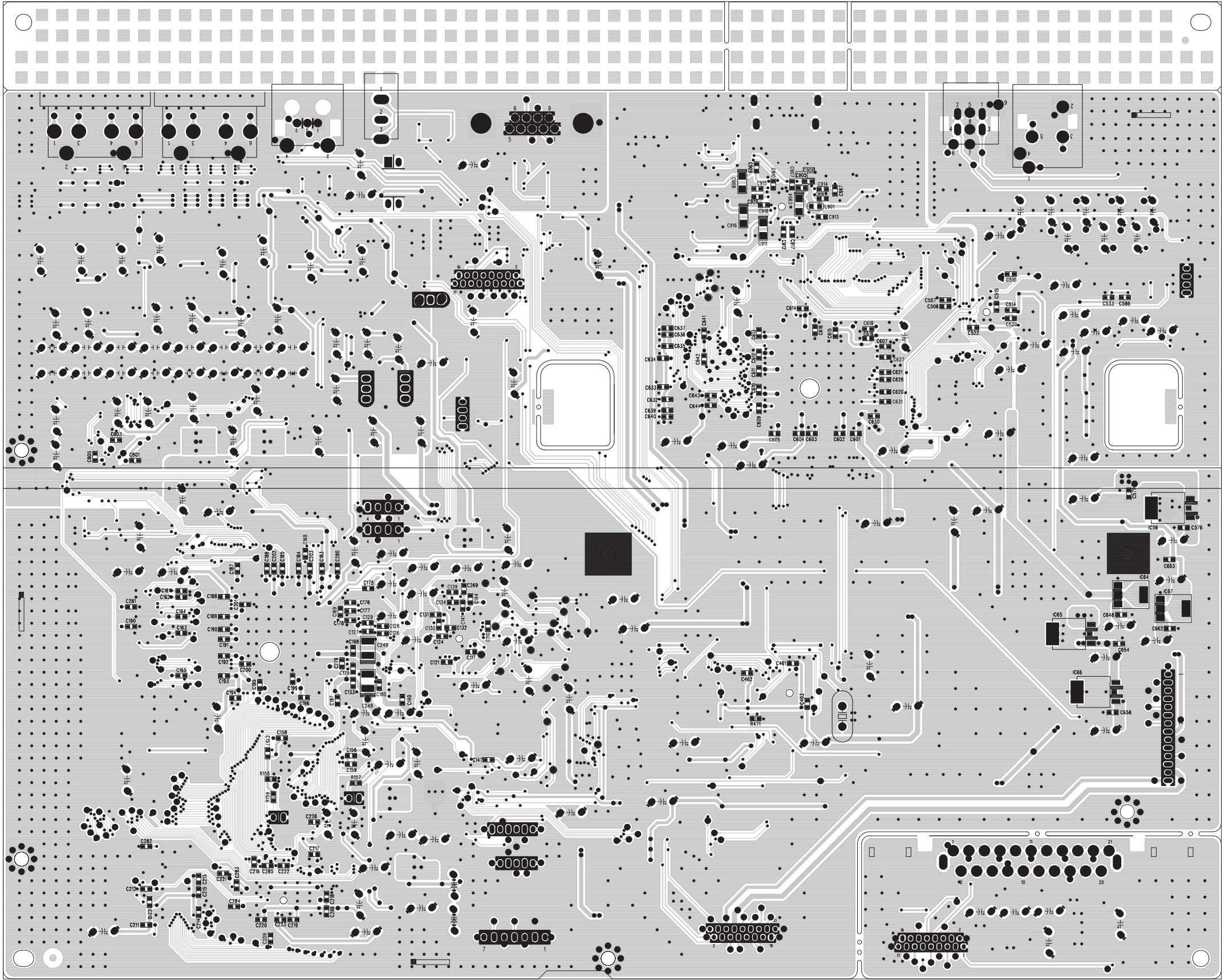
FRONT PCB (CUP11991Y)



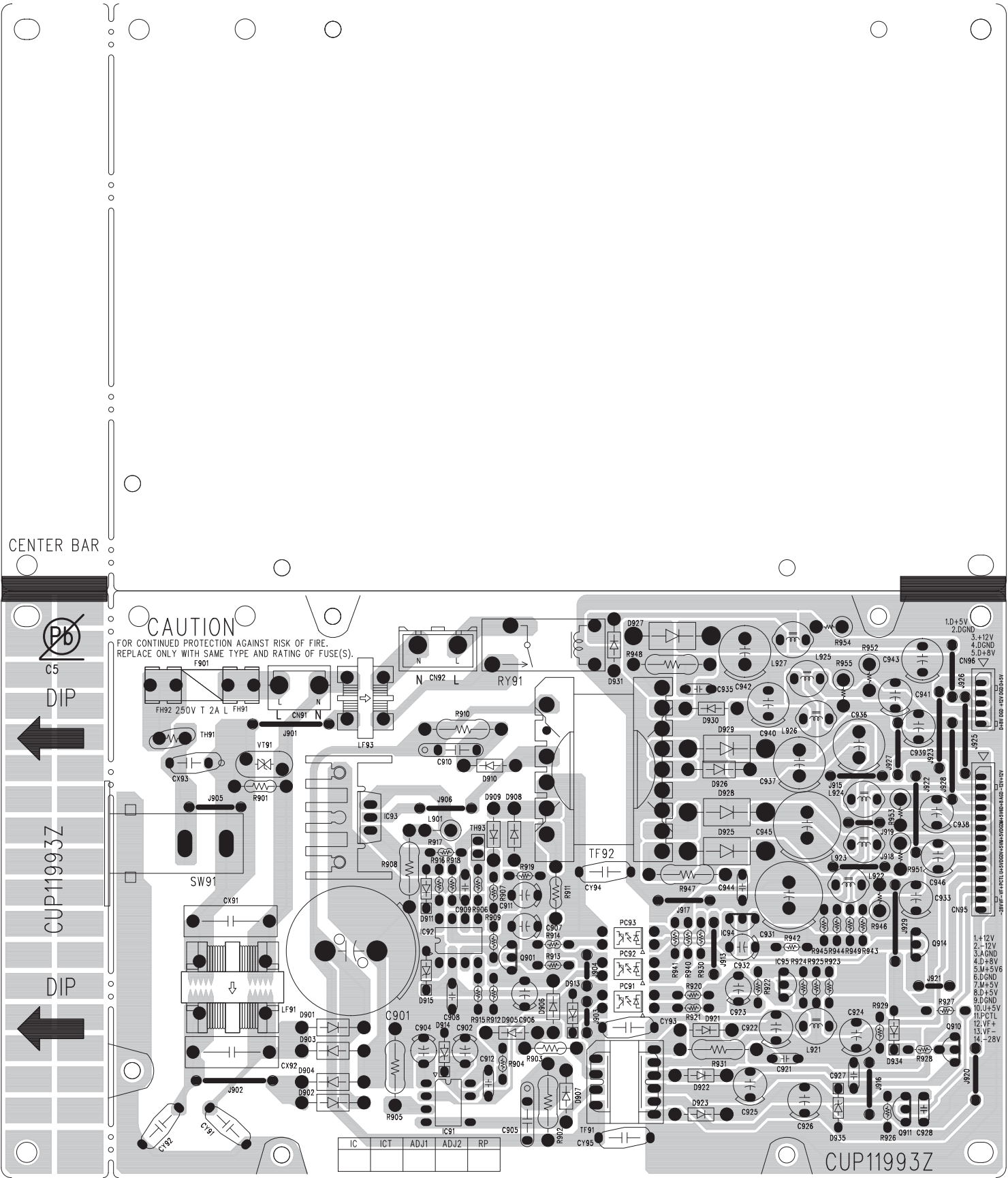
MAIN PCB (CUP11992Y) : TOP VIEW



MAIN PCB (CUP11992Y) : BOTTOM VIEW



SMPS PCB (CUP11993Z)



SECTION 3

ELECTRICAL PARTS LIST

REF NO.	PART NO	DESCRIPTION	REMARK
FRONT PCB ASS'Y (COP11991B)			
	CUP11991Y	PCB, FRONT T535	330X163, FR-1
			0.2 EA
C101	HCBS1H104ZFT	CAP , CERAMIC	0
C102	HCBS1H470JT	CAP , CERAMIC	4
C103	HCBS1H470JT	CAP , CERAMIC	4
C104	HCBS1H104ZFT	CAP , CERAMIC	0
C105	HCBS1H101KBT	CAP , CERAMIC	10
C106	HCBS1H101KBT	CAP , CERAMIC	10
C107	HCBS1H101KBT	CAP , CERAMIC	10
C108	HCBS1H104ZFT	CAP , CERAMIC	0
C109	HCBS1H102KBT	CAP , CERAMIC	100
C201	CCEA1CKS470T	CAP , ELECT	47UF 16V
D101	CVD1SS133MT	DIODE	1SS133
J101	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J102	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J103	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J104	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J105	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J106	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J107	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J108	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J109	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J110	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J111	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J112	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J113	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J114	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
Q101	HVTKSC945CYT	T.R	KSC945CY
Q102	HVTKRC107MT	T.R	KRC107M
Q103	HVTKRA107MT	T.R	KRA107M
R102	CRD20TJ471T	RES , CARBON	470 OHM 1/5W J
R103	CRD20TJ332T	RES , CARBON	3.3K OHM 1/5W J
R105	CRD20TJ103T	RES , CARBON	10K OHM 1/5W J
R106	CRD20TJ472T	RES , CARBON	4.7K OHM 1/5W J
R107	CRD20TJ101T	RES , CARBON	100 OHM 1/5W J
R108	CRD20TJ101T	RES , CARBON	100 OHM 1/5W J
R109	CRD20TJ101T	RES , CARBON	100 OHM 1/5W J
R110	CRD20TJ100T	RES , CARBON	10 OHM 1/5W J
R111	CRD20TJ681T	RES , CARBON	680 OHM 1/5W J
R112	CRD20TJ821T	RES , CARBON	820 OHM 1/5W J
R113	CRD20TJ681T	RES , CARBON	680 OHM 1/5W J
R114	CRD20TJ821T	RES , CARBON	820 OHM 1/5W J
R115	CRD20TJ221T	RES , CARBON	220 OHM 1/5W J
R116	CRD20TJ332T	RES , CARBON	3.3K OHM 1/5W J
S101	CST1A023ZT	SW , TACT	
S102	CST1A023ZT	SW , TACT	
S103	CST1A023ZT	SW , TACT	
S104	CST1A023ZT	SW , TACT	
S105	CST1A023ZT	SW , TACT	
S106	CST1A023ZT	SW , TACT	
BN11	CWB1C905150NN	WIRE ASS'Y(DUAL BOARD-IN, 5P,	
CY13	CJP17GB113ZY	WAFER	
D102	CVD50BOBBWGA	L.E.D , 2 COLOR (ORG , BLUE)	TOL-50BOBBWGA
F101	CFLHCA14SM16	F.I.P (CIG TYPE)	
IC11	HRVKSM603TH2A	SENSOR , REMOCON	KSM-603TH2A
JW01	CWE8102050RV	WIRE , ASS'Y	
JW02	CWE8102100RV	WIRE ASS'Y	
PB01	CMD1A496	BRACKET , FIP	
PB02	CMD1A496	BRACKET , FIP	
PB03	CMC1A111	PLATE , EARTH	
PB04	CMC1A111	PLATE , EARTH	

REF NO.	PART NO	DESCRIPTION	REMARK
C / CT Version MAIN PCB ASS'Y (COP11992B)			
	CUP11992Y	PCB , MAIN T535	1EA
	CIP11992BBSMD	MAIN PCB SMD BOTTOM ASS'Y T535	
C110	CCUS1H330JA	CAP , CHIP	3
C117	CCUS1H104KC	CAP , CHIP	0
C121	CCUS1H104KC	CAP , CHIP	0
C124	CCUS1H104KC	CAP , CHIP	0
C126	CCUS1H562KC	CAP , CHIP CERAMIC(1608, 5600p	560
C127	CCUS1H562KC	CAP , CHIP CERAMIC(1608, 5600p	560
C128	CCUS1H562KC	CAP , CHIP CERAMIC(1608, 5600p	560
C130	CCUS1H471JA	CAP , CHIP	47
C131	CCUS1H104KC	CAP , CHIP	0
C132	CCUS1H104KC	CAP , CHIP	0
C133	CCUS1H104KC	CAP , CHIP	0
C134	CCUS1H102KC	CAP , CHIP	100
C139	CCUS1H102KC	CAP , CHIP	100
C140	CCUS1H104KC	CAP , CHIP	0
C141	CCUS1H333KC	CAP , CHIP	0.03
C144	CCUS1H104KC	CAP , CHIP	0
C147	CCUS1H104KC	CAP , CHIP	0
C156	CCUS1H104KC	CAP , CHIP	0
C157	CCUS1H104KC	CAP , CHIP	0
C158	CCUS1H104KC	CAP , CHIP	0
C159	CCUS1H104KC	CAP , CHIP	0
C160	CCUS1H104KC	CAP , CHIP	0
C161	CCUS1H104KC	CAP , CHIP	0
C162	CCUS1H104KC	CAP , CHIP	0
C163	CCUS1H104KC	CAP , CHIP	0
C164	CCUS1H104KC	CAP , CHIP	0
C165	CCUS1H104KC	CAP , CHIP	0
C169	CCUS1H102KC	CAP , CHIP	100
C175	CCUS1H104KC	CAP , CHIP	0
C176	CCUS1H104KC	CAP , CHIP	0
C177	CCUS1H104KC	CAP , CHIP	0
C178	CCUS1H104KC	CAP , CHIP	0
C183	CCUS1H104KC	CAP , CHIP	0
C184	CCUS1H104KC	CAP , CHIP	0
C185	CCUS1H104KC	CAP , CHIP	0
C186	CCUS1H104KC	CAP , CHIP	0
C187	CCUS1H104KC	CAP , CHIP	0
C188	CCUS1H104KC	CAP , CHIP	0
C189	CCUS1H104KC	CAP , CHIP	0
C190	CCUS1H104KC	CAP , CHIP	0
C191	CCUS1H104KC	CAP , CHIP	0
C192	CCUS1H104KC	CAP , CHIP	0
C193	CCUS1H104KC	CAP , CHIP	0
C194	CCUS1H104KC	CAP , CHIP	0
C195	CCUS1H104KC	CAP , CHIP	0
C196	CCUS1H104KC	CAP , CHIP	0
C197	CCUS1H104KC	CAP , CHIP	0
C198	CCUS1H104KC	CAP , CHIP	0
C199	CCUS1H104KC	CAP , CHIP	0
C200	CCUS1H104KC	CAP , CHIP	0
C201	CCUS1H104KC	CAP , CHIP	0
C202	CCUS1H104KC	CAP , CHIP	0
C203	CCUS1H104KC	CAP , CHIP	0
C210	CCUS1H104KC	CAP , CHIP	0
C211	CCUS1H104KC	CAP , CHIP	0
C212	CCUS1H104KC	CAP , CHIP	0
C213	CCUS1H104KC	CAP , CHIP	0
C214	CCUS1H104KC	CAP , CHIP	0
C215	CCUS1H104KC	CAP , CHIP	0
C216	CCUS1H104KC	CAP , CHIP	0
C217	CCUS1H104KC	CAP , CHIP	0

REF NO.	PART NO	DESCRIPTION	REMARK
C / CT Version MAIN PCB ASS'Y (COP11992B)			
C218	CCUS1H104KC	CAP , CHIP	0
C219	CCUS1H104KC	CAP , CHIP	0
C220	CCUS1H104KC	CAP , CHIP	0
C222	CCUS1H104KC	CAP , CHIP	0
C223	CCUS1H104KC	CAP , CHIP	0
C228	CCUS1H104KC	CAP , CHIP	0
C248	CCSJB1A220B	CAP , CHIP TANTAL(B TYPE, 22uF	
C249	CCSJB1A220B	CAP , CHIP TANTAL(B TYPE, 22uF	
C269	CCUS1H104KC	CAP , CHIP	0
C279	CCUS1H104KC	CAP , CHIP	0
C280	CCUS1H104KC	CAP , CHIP	0
C281	CCUS1H104KC	CAP , CHIP	0
C282	CCUS1H104KC	CAP , CHIP	0
C283	CCUS1H104KC	CAP , CHIP	0
C284	CCUS1H104KC	CAP , CHIP	0
C285	CCUS1H104KC	CAP , CHIP	0
C286	CCUS1H104KC	CAP , CHIP	0
C403	CCUS1H104KC	CAP , CHIP	0
C461	CCUS1H104KC	CAP , CHIP	0
C462	CCUS1H104KC	CAP , CHIP	0
C507	CCUS1H104KC	CAP , CHIP	0
C508	CCUS1H104KC	CAP , CHIP	0
C510	CCUS1H101JA	CAP , CHIP	10
C514	CCUS1H104KC	CAP , CHIP	0
C515	CCUS1H104KC	CAP , CHIP	0
C522	CCUS1H104KC	CAP , CHIP	0
C533	CCUS1H104KC	CAP , CHIP	0
C576	CCUS1H104KC	CAP , CHIP	0
C579	CCUS1H104KC	CAP , CHIP	0
C586	CCUS1H104KC	CAP , CHIP	0
C601	CCUS1H104KC	CAP , CHIP	0
C602	CCUS1H104KC	CAP , CHIP	0
C603	CCUS1H104KC	CAP , CHIP	0
C604	CCUS1H104KC	CAP , CHIP	0
C607	CCUS1H104KC	CAP , CHIP	0
C608	CCUS1H103KC	CAP , CHIP	0
C609	CCUS1H104KC	CAP , CHIP	0
C610	CCUS1H104KC	CAP , CHIP	0
C611	CCUS1H104KC	CAP , CHIP	0
C612	CCUS1H104KC	CAP , CHIP	0
C613	CCUS1H104KC	CAP , CHIP	0
C614	CCUS1H104KC	CAP , CHIP	0
C615	CCUS1H104KC	CAP , CHIP	0
C616	CCUS1H104KC	CAP , CHIP	0
C618	CCUS1H103KC	CAP , CHIP	0
C619	CCUS1H104KC	CAP , CHIP	0
C620	CCUS1H104KC	CAP , CHIP	0
C621	CCUS1H104KC	CAP , CHIP	0
C626	CCUS1H104KC	CAP , CHIP	0
C627	CCUS1H103KC	CAP , CHIP	0
C630	CCUS1H104KC	CAP , CHIP	0
C631	CCUS1H103KC	CAP , CHIP	0
C632	CCUS1H104KC	CAP , CHIP	0
C633	CCUS1H104KC	CAP , CHIP	0
C634	CCUS1H104KC	CAP , CHIP	0
C635	CCUS1H104KC	CAP , CHIP	0
C636	CCUS1H104KC	CAP , CHIP	0
C637	CCUS1H104KC	CAP , CHIP	0
C639	CCUS1H104KC	CAP , CHIP	0
C640	CCUS1H104KC	CAP , CHIP	0
C641	CCUS1H104KC	CAP , CHIP	0
C642	CCUS1H104KC	CAP , CHIP	0
C643	CCUS1H104KC	CAP , CHIP	0

REF NO.	PART NO	DESCRIPTION	REMARK
C / CT Version MAIN PCB ASS'Y (COP11992B)			
C644	CCUS1H104KC	CAP , CHIP	0
C648	CCUS1H104KC	CAP , CHIP	0
C654	CCUS1H104KC	CAP , CHIP	0
C658	CCUS1H104KC	CAP , CHIP	0
C662	CCUS1H104KC	CAP , CHIP	0
C663	CCUS1H104KC	CAP , CHIP	0
C801	CCUS1H104KC	CAP , CHIP	0
C803	CCUS1H104KC	CAP , CHIP	0
C805	CCUS1H104KC	CAP , CHIP	0
C904	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF	
C905	CCUS1H104KC	CAP , CHIP	0
C906	CCUS1H102KC	CAP , CHIP	100
C907	CCUS1H102KC	CAP , CHIP	100
C908	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF	
C909	CCUS1H104KC	CAP , CHIP	0
C910	CCUS1H102KC	CAP , CHIP	100
C911	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF	
C912	CCUS1H104KC	CAP , CHIP	0
C913	CCUS1H102KC	CAP , CHIP	100
C914	CCUS1H102KC	CAP , CHIP	100
C915	CCUS1H102KC	CAP , CHIP	100
C916	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF	
C917	CCUS1H104KC	CAP , CHIP	0
C918	CCUS1H102KC	CAP , CHIP	100
C919	CCUS1H102KC	CAP , CHIP	100
C920	CCUS1H102KC	CAP , CHIP	100
C967	CCUS1H104KC	CAP , CHIP	0
IC56	BVIBA50BC0FP	I.C , REGULATOR CHIP (+5V)	BA50BC0FP-E2
IC64	CVIKIA1117S25	I.C , REGULATOR(SOT-223)	KIA1117S25-RTK/P
IC65	BVIBA18BC0FP	I.C , REGULATOR CHIP (1.8V)	BA18BC0FP-E2
IC66	BVIBA33BC0FP	I,C , REGULATOR(3.3V SMD Type)	ROHM 3.3V SMD
IC67	CVIKIA1117S33	I.C , REGULATOR(SOT-223)	KIA1117S/F33, SOT-22
L901	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
R157	CRJ10DJ472T	RES , CHIP	1608 SIZE
R159	CRJ10DJ472T	RES , CHIP	1608 SIZE
R471	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
	CIP11992BTSMD	MAIN PCB SMD TOP ASS'Y T535 EU	
CN11	CJP24GA195ZM	SMT FFC/FPC WAFER(0.5MM PITCH)	52559-2472 (PB FREE)
C101	CCUS1H104KC	CAP , CHIP	0
C102	CCUS1H102KC	CAP , CHIP	100
C103	CCUS1H560JA	CAP , CHIP	5
C104	CCUS1H104KC	CAP , CHIP	0
C105	CCUS1H104KC	CAP , CHIP	0
C106	CCUS1H222KC	CAP , CHIP	220
C107	CCUS1H222KC	CAP , CHIP	220
C108	CCUS1H222KC	CAP , CHIP	220
C109	CCUS1H222KC	CAP , CHIP	220
C111	CCUS1H104KC	CAP , CHIP	0
C112	CCUS1H104KC	CAP , CHIP	0
C113	CCUS1H104KC	CAP , CHIP	0
C114	CCUS1H104KC	CAP , CHIP	0
C115	CCUS1H104KC	CAP , CHIP	0
C116	CCUS1H104KC	CAP , CHIP	0
C118	CCUS1H682KC	CAP , CHIP	680
C119	CCUS1H223KC	CAP , CHIP	0.02
C120	CCUS1H221JA	CAP , CHIP	22
C122	CCUS1H272KC	CAP , CHIP	270
C123	CCUS1H104KC	CAP , CHIP	0
C125	CCUS1H104KC	CAP , CHIP	0
C135	CCUS1H102KC	CAP , CHIP	100
C136	CCUS1H102KC	CAP , CHIP	100
C137	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
C138	CCUS1H102KC	CAP , CHIP	100

REF NO.	PART NO	DESCRIPTION	REMARK
C / CT Version MAIN PCB ASS'Y (COP11992B)			
C142	CCUS1H102KC	CAP , CHIP	100
C143	CCUS1H102KC	CAP , CHIP	100
C145	CCUS1H102KC	CAP , CHIP	100
C146	CCUS1H102KC	CAP , CHIP	100
C148	CCUS1H272KC	CAP , CHIP	270
C149	CCUS1H273KC	CAP , CHIP	0.02
C150	CCUS1H104KC	CAP , CHIP	0
C151	CCUS1H104KC	CAP , CHIP	0
C152	CCUS1H273KC	CAP , CHIP	0.02
C153	CCUS1H561JA	CAP , CHIP	56
C154	CCUS1H104KC	CAP , CHIP	0
C155	CCUS1H102KC	CAP , CHIP	100
C166	CCUS1H070DA	CAP , CHIP	
C170	CCUS1H102KC	CAP , CHIP	100
C174	CCUS1H104KC	CAP , CHIP	0
C205	CCUS1H104KC	CAP , CHIP	0
C206	CCUS1H103KC	CAP , CHIP	0
C207	CCUS1H104KC	CAP , CHIP	0
C224	CCUS1H104KC	CAP , CHIP	0
C226	CCUS1H080DA	CAP , CHIP	
C227	CCUS1H080DA	CAP , CHIP	
C229	CCUS1H104KC	CAP , CHIP	0
C230	CCUS1H104KC	CAP , CHIP	0
C231	CCUS1H104KC	CAP , CHIP	0
C232	CCUS1H104KC	CAP , CHIP	0
C233	CCUS1H104KC	CAP , CHIP	0
C234	CCUS1H104KC	CAP , CHIP	0
C251	CCSJB1A220B	CAP , CHIP TANTAL(B TYPE, 22uF	
C273	CCUS1H104KC	CAP , CHIP	0
C275	CCUS1H104KC	CAP , CHIP	0
C277	CCUS1H104KC	CAP , CHIP	0
C287	CCUS1H104KC	CAP , CHIP	0
C289	CCUS1H104KC	CAP , CHIP	0
C301	CCUS1H104KC	CAP , CHIP	0
C302	CCUS1H104KC	CAP , CHIP	0
C303	CCUS1H104KC	CAP , CHIP	0
C304	CCUS1H104KC	CAP , CHIP	0
C305	CCUS1H104KC	CAP , CHIP	0
C401	CCUS1H104KC	CAP , CHIP	0
C404	CCUS1H104KC	CAP , CHIP	0
C405	CCUS1H150JA	CAP , CHIP(15PF/50V)	1
C406	CCUS1H150JA	CAP , CHIP(15PF/50V)	1
C410	CCUS1H151JA	CAP , CHIP	15
C502	CCUS1H104KC	CAP , CHIP	0
C504	CCUS1H104KC	CAP , CHIP	0
C505	CCUS1H104KC	CAP , CHIP	0
C506	CCUS1H104KC	CAP , CHIP	0
C511	CCUS1H821JA	CAP , CHIP	82
C512	CCUS1H392KC	CAP , CHIP CERAMIC(1608, 3900p	390
C513	CCUS1H104KC	CAP , CHIP	0
C516	CCUS1H104KC	CAP , CHIP	0
C518	CCUS1H104KC	CAP , CHIP	0
C519	CCUS1A105KC	CAP , CHIP	
C521	CCUS1H104KC	CAP , CHIP	0
C524	CCUS1H104KC	CAP , CHIP	0
C525	CCUS1H104KC	CAP , CHIP	0
C526	CCUS1H104KC	CAP , CHIP	0
C527	CCUS1H104KC	CAP , CHIP	0
C529	CCUS1H104KC	CAP , CHIP	0
C530	CCUS1H104KC	CAP , CHIP	0
C531	CCUS1H104KC	CAP , CHIP	0
C534	CCUS1H560JA	CAP , CHIP	5
C535	CCUS1H104KC	CAP , CHIP	0

REF NO.	PART NO	DESCRIPTION	REMARK
C / CT Version MAIN PCB ASS'Y (COP11992B)			
C538	CCUS1H220JA	CAP , CHIP	2
C547	CCUS1H560JA	CAP , CHIP	5
C550	CCUS1H104KC	CAP , CHIP	0
C551	CCUS1H104KC	CAP , CHIP	0
C552	CCUS1H470JA	CAP , CHIP	4
C553	CCUS1H470JA	CAP , CHIP	4
C554	CCUS1H470JA	CAP , CHIP	4
C555	CCUS1H470JA	CAP , CHIP	4
C556	CCUS1H470JA	CAP , CHIP	4
C557	CCUS1H470JA	CAP , CHIP	4
C561	CCUS1H104KC	CAP , CHIP	0
C564	CCUS1H101JA	CAP , CHIP	10
C568	CCUS1H101JA	CAP , CHIP	10
C571	CCUS1H101JA	CAP , CHIP	10
C574	CCUS1H104KC	CAP , CHIP	0
C575	CCUS1H104KC	CAP , CHIP	0
C580	CCUS1H104KC	CAP , CHIP	0
C581	CCUS1H102KC	CAP , CHIP	100
C605	CCUS1H103KC	CAP , CHIP	0
C622	CCUS1H180JA	CAP , CHIP(18PF/50V)	1
C623	CCUS1H180JA	CAP , CHIP(18PF/50V)	1
C646	CCUS1H104KC	CAP , CHIP	0
C649	CCUS1H104KC	CAP , CHIP	0
C655	CCUS1H104KC	CAP , CHIP	0
C659	CCUS1H104KC	CAP , CHIP	0
C665	CCUS1H104KC	CAP , CHIP	0
C806	CCUS1H104KC	CAP , CHIP	0
C808	CCUS1H104KC	CAP , CHIP	0
C811	CCUS1H104KC	CAP , CHIP	0
C814	CCUS1H391JA	CAP , CHIP	39
C815	CCUS1H391JA	CAP , CHIP	39
C817	CCUS1H104KC	CAP , CHIP	0
C821	CCUS1H391JA	CAP , CHIP	39
C822	CCUS1H391JA	CAP , CHIP	39
C823	CCUS1H104KC	CAP , CHIP	0
C828	CCUS1H391JA	CAP , CHIP	39
C829	CCUS1H391JA	CAP , CHIP	39
C832	CCUS1H104KC	CAP , CHIP	0
C835	CCUS1H391JA	CAP , CHIP	39
C836	CCUS1H391JA	CAP , CHIP	39
C837	CCUS1H104KC	CAP , CHIP	0
C842	CCUS1H391JA	CAP , CHIP	39
C843	CCUS1H391JA	CAP , CHIP	39
C846	CCUS1H104KC	CAP , CHIP	0
C849	CCUS1H391JA	CAP , CHIP	39
C850	CCUS1H391JA	CAP , CHIP	39
C851	CCUS1H104KC	CAP , CHIP	0
C856	CCUS1H391JA	CAP , CHIP	39
C857	CCUS1H391JA	CAP , CHIP	39
C860	CCUS1H104KC	CAP , CHIP	0
C863	CCUS1H391JA	CAP , CHIP	39
C864	CCUS1H391JA	CAP , CHIP	39
C865	CCUS1H104KC	CAP , CHIP	0
C868	CCUS1H104KC	CAP , CHIP	0
C869	CCUS1H104KC	CAP , CHIP	0
C870	CCUS1H221JA	CAP , CHIP	22
C871	CCUS1H104KC	CAP , CHIP	0
C872	CCUS1H104KC	CAP , CHIP	0
C874	CCUS1H104KC	CAP , CHIP	0
C876	CCUS1H104KC	CAP , CHIP	0
C878	CCUS1H104KC	CAP , CHIP	0
C879	CCUS1H104KC	CAP , CHIP	0
C882	CCUS1H104KC	CAP , CHIP	0

REF NO.	PART NO	DESCRIPTION	REMARK
C / CT Version MAIN PCB ASS'Y (COP11992B)			
C884	CCUS1H104KC	CAP , CHIP	0
C886	CCUS1H104KC	CAP , CHIP	0
C888	CCUS1H104KC	CAP , CHIP	0
C898	CCUS1H104KC	CAP , CHIP	0
C900	CCUS1H104KC	CAP , CHIP	0
C902	CCUS1H104KC	CAP , CHIP	0
C903	CCUS1H102KC	CAP , CHIP	100
C923	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF	
C924	CCUS1H104KC	CAP , CHIP	0
C925	CCUS1H104KC	CAP , CHIP	0
C926	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF	
C927	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF	
C928	CCUS1H104KC	CAP , CHIP	0
C929	CCUS1H104KC	CAP , CHIP	0
C930	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF	
C931	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF	
C932	CCUS1H104KC	CAP , CHIP	0
C933	CCUS1H104KC	CAP , CHIP	0
C934	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF	
C935	CCUS1H104KC	CAP , CHIP	0
C936	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF	
C937	CCUS1H104KC	CAP , CHIP	0
C938	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF	
C948	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF	
C949	CCUS1H104KC	CAP , CHIP	0
C950	CCUS1H104KC	CAP , CHIP	0
C951	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF	
C952	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF	
C953	CCUS1H470JA	CAP , CHIP	4
C954	CCUS1H470JA	CAP , CHIP	4
D101	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11
D102	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11
D401	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11
D402	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11
D403	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11
D411	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11
D501	BVDDAN202K	DIODE , CHIP	DAN202K
D802	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11
D803	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11
D804	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11
IC11	HVIZR36778	IC,MPEG (ZORAN)	
IC12	HVIM29W160ET70N	IC,16M FLASH (ST)	M29W160ET-70N6
IC13	HVIM12L64164A7T	IC, 64M SDRAM (4X16)	
IC14	CVIBR24L16FWE2	I.C , EEPROM 16K BR24L16F-WE2	BR24L16F-WE2
IC15	HVIKIC7SH08FU	HIGH SPEED 2 INPUT AND GATE (U	KIC7SH08FU-RTK
IC16	HVTHN1K05FU	MOS FET	HN1K05FU
IC17	HVIZR36707	IC,RF (ZORAN)	
IC18	HVIAM5888SLF	I. C , Motor Driver(AMtek,Pb f	AM5888S L/F
IC19	HVITL3472IDR	IC,OP AMP 8-SOIC (TI)	
IC20	HVISAA7893HLC2	IC,DSD DECODER (Philips)	SAA7893HL/C2 (PB FRE
IC21	HVIM12L64164A7T	IC, 64M SDRAM (4X16)	
IC22	CVIKIA1117S33	I.C , REGULATOR(SOT-223)	KIA1117S/F33, SOT-22
IC23	CVIKIA1117S33	I.C , REGULATOR(SOT-223)	KIA1117S/F33, SOT-22
IC24	BVIBA18BC0FP	I.C , REGULATOR CHIP (1.8V)	BA18BC0FP-E2
IC25	CVIKIA1117S33	I.C , REGULATOR(SOT-223)	KIA1117S/F33, SOT-22
IC26	BVIBA50BC0FP	I.C , REGULATOR CHIP (+5V)	BA50BC0FP-E2
IC27	HVIKIC7SH08FU	HIGH SPEED 2 INPUT AND GATE (U	KIC7SH08FU-RTK
IC28	HVIKIC7S66FU	i.c , SWITCH(USV PACKAGE)	KIC7S66FU-RTK/3
IC31	HVIST202EBW	IC , RS232C	ST202EBW
IC41	CVIST72F321BR9T6	I.C , FLASH U-COM	ST72F321B9T6
IC43	HVTHN1K05FU	MOS FET	HN1K05FU
IC51	CVIADV7320KSTZ	I.C , VIDEO ENCODER	
IC52	BVIBH7862FS	IC , 6CH VIDEO DRIVER	ROHM (BH7862FS)

REF NO.	PART NO	DESCRIPTION	REMARK
C / CT Version MAIN PCB ASS'Y (COP11992B)			
IC53	HVIBA7660FS	IC , R.G.B DRIVER	BA7660FS
IC54	HVIBU2098F	IC , I2C BUS	ROHM
IC55	HVITC74HCT7007F	I.C	TC74HC7007AFEL
IC61	CVIFLI2310LFCF	I/P CONVERTER, FLI2310-LF-CF	FLI2310-LF-CF
IC62	CVI57V643220TP6	I.C , 64M SDRAM, 6nS,86P TSOP	HY57V643220B 6NS
IC63	HVISN74AHC541PW	OCTAL BUFFERS IC(TSSOP-20 PKG)	SN74AHC541PWR
IC78	HVIKIC7SH08FU	HIGH SPEED 2 INPUT AND GATE (U	KIC7SH08FU-RTK
IC81	HVICS4382-KQ	I.C , DAC	CS4382-KQ
IC82	HVIOPA2134UA	I.C , OP AMP	
IC83	HVIOPA2134UA	I.C , OP AMP	
IC84	HVIOPA2134UA	I.C , OP AMP	
IC85	HVIOPA2134UA	I.C , OP AMP	
IC86	HVI74LVC157ADBR	I.C , MULTIPLEXER	SN74LVC157A
IC87	HVIKIC7S66FU	i.c , SWITCH(USV PACKAGE)	KIC7S66FU-RTK/3
IC88	CVIKIA1117S50	I.C , REGULATOR(SOT-223)	KIA1117S50-RTK/P
IC89	CVIKIA1117S33	I.C , REGULATOR(SOT-223)	KIA1117S/F33, SOT-22
IC90	HVIKIC7SH08FU	HIGH SPEED 2 INPUT AND GATE (U	KIC7SH08FU-RTK
IC91	CVISII9030CTU7	I.C , HDMI TX	
IC92	CVIKIA1117S50	I.C , REGULATOR(SOT-223)	KIA1117S50-RTK/P
IC93	CVIKIA1117S18	I.C , REGULATOR(SOT-223)	KIA1117S/F18, SOT-22
IC94	CVIKIA1117S33	I.C , REGULATOR(SOT-223)	KIA1117S/F33, SOT-22
IC95	HVIKIC7SH08FU	HIGH SPEED 2 INPUT AND GATE (U	KIC7SH08FU-RTK
IC96	HVTHN1K05FU	MOS FET	HN1K05FU
IC98	HVIKIC7SZ08FU	I.C ,INPUT AND GATE (USV PACKA	KIC7SZ08FU-RTK
JK91	HJJ9H003Z	JACK , HDMI(JALCO)	YKF45-7009
L101	HLQ06E100KRZ	INDUCTOR , CHIP	3225 SIZE
L102	HLZ9R006Z	BEAD , CHIP	
L103	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L104	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L105	HLQ06E100KRZ	INDUCTOR , CHIP	3225 SIZE
L106	HLQ06E100KRZ	INDUCTOR , CHIP	3225 SIZE
L107	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L108	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L109	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L110	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L112	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L113	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L114	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L115	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L116	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L117	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L118	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L119	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L120	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L122	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L123	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L124	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L301	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L302	HLZ9R003Z	BEAD CHIP 2.2K(2012)	HB-1B2012-222
L303	HLZ9R003Z	BEAD CHIP 2.2K(2012)	HB-1B2012-222
L304	HLZ9R003Z	BEAD CHIP 2.2K(2012)	HB-1B2012-222
L305	HLZ9R003Z	BEAD CHIP 2.2K(2012)	HB-1B2012-222
L401	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L501	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L502	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L503	HLQ06E100KRZ	INDUCTOR , CHIP	3225 SIZE
L504	HLQ08ER68KRZ	CHIP FERRITE INDUCTOR	2012-R68UH
L505	HLQ08ER39KRZ	CHIP FERRITE INDUCTOR	2012-R39UH
L506	HLQ08E1R8KRZ	CHIP , COIL (1.8UH)	2012
L507	HLQ08E1R8KRZ	CHIP , COIL (1.8UH)	2012
L508	HLQ08E1R8KRZ	CHIP , COIL (1.8UH)	2012
L509	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L510	HLQ08ER68KRZ	CHIP FERRITE INDUCTOR	2012-R68UH

REF NO.	PART NO	DESCRIPTION	REMARK
C / CT Version MAIN PCB ASS'Y (COP11992B)			
L515	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L516	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L601	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L603	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L604	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L605	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L607	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L608	CRJ18AJ0R0T	RES , CHIP	
L609	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L610	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L611	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L801	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L802	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L811	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L812	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L813	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L814	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L815	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L902	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L903	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L905	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L906	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L907	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L908	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L909	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L910	CRJ102DJ390T	RES , CHIP 2 ARRAY	MNR12E0ABEJ 390
L911	CRJ102DJ390T	RES , CHIP 2 ARRAY	MNR12E0ABEJ 390
L912	CRJ102DJ390T	RES , CHIP 2 ARRAY	MNR12E0ABEJ 390
L913	CRJ102DJ390T	RES , CHIP 2 ARRAY	MNR12E0ABEJ 390
L951	HLQ08E1R8KRZ	CHIP , COIL (1.8UH)	2012
Q101	HVT2N3904SP	TR, CHIP (KEC)	2N3904S-RTK/PS
Q102	HVT2N3904SP	TR, CHIP (KEC)	2N3904S-RTK/PS
Q103	HVT2N3904SP	TR, CHIP (KEC)	2N3904S-RTK/PS
Q104	HVTKTA1664YP	tr	
Q105	HVTKTA1664YP	tr	
Q401	HVTKRC107S	T.R , CHIP	
Q402	HVTKTA1504SYRTK	T.R , CHIP	KTA1504S Y RTK
Q403	HVTKTC3875SYRTK	T.R , CHIP	KTC3875S Y RTK
Q501	HVTKTA2014GR	T.R, SMD	TRPNPB-R2
Q502	HVTKTA2014GR	T.R, SMD	TRPNPB-R2
Q503	HVTKTA2014GR	T.R, SMD	TRPNPB-R2
Q504	HVTKTA2014GR	T.R, SMD	TRPNPB-R2
Q505	HVTKTA2014GR	T.R, SMD	TRPNPB-R2
Q508	HVTKRC107S	T.R , CHIP	
Q509	HVTKTA2014GR	T.R, SMD	TRPNPB-R2
Q510	HVTKRC107S	T.R , CHIP	
Q511	HVTKRC107S	T.R , CHIP	
Q512	HVTKTA2014GR	T.R, SMD	TRPNPB-R2
Q513	HVTKRC107S	T.R , CHIP	
Q514	HVT2N3904SP	TR, CHIP (KEC)	2N3904S-RTK/PS
Q801	HVTKRC107S	T.R , CHIP	
Q802	HVTKRA107ST	T.R , CHIP	KRA107S
Q804	HVTKRA107ST	T.R , CHIP	KRA107S
Q805	HVTKRA107ST	T.R , CHIP	KRA107S
Q807	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304
Q808	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304
Q809	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304
Q810	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304
Q811	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304
Q812	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304
Q813	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304
Q814	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304
Q815	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304

REF NO.	PART NO	DESCRIPTION		REMARK
C / CT Version MAIN PCB ASS'Y (COP11992B)				
Q816	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	
Q817	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	
Q818	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	
Q819	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	
Q820	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	
Q821	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	
Q822	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	
Q823	HVT2N3904SP	TR, CHIP (KEC)	2N3904S-RTK/PS	
RN01	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN02	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN03	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN04	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN05	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN06	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN07	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN08	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN09	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN10	CRJ104DJ101T	RES , CHIP NETWORK(1/16W, 100o	100R (1608)	
RN11	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN12	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN15	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN16	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN17	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN18	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN19	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN20	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN21	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN22	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN23	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN24	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN25	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN51	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN52	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN53	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN54	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN55	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN56	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN57	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN61	CRJ104DJ103T	RES, ARRAY, 10K (1608)	10K(1608)	
RN62	CRJ104DJ103T	RES, ARRAY, 10K (1608)	10K(1608)	
RN63	CRJ104DJ103T	RES, ARRAY, 10K (1608)	10K(1608)	
RN64	CRJ104DJ103T	RES, ARRAY, 10K (1608)	10K(1608)	
RN65	CRJ104DJ103T	RES, ARRAY, 10K (1608)	10K(1608)	
RN66	CRJ104DJ103T	RES, ARRAY, 10K (1608)	10K(1608)	
RN67	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN68	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN69	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN70	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN71	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN72	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN73	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN91	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN92	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN93	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN94	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
R101	CRJ10DJ0R0T	RES , CHIP	1608 SIZE	
R102	CRJ10DJ332T	RES , CHIP	1608 SIZE	
R103	CRJ10DJ332T	RES , CHIP	1608 SIZE	
R104	CRJ10DJ332T	RES , CHIP	1608 SIZE	
R105	CRJ10DJ472T	RES , CHIP	1608 SIZE	
R106	CRJ10DJ472T	RES , CHIP	1608 SIZE	
R107	CRJ10DJ0R0T	RES , CHIP	1608 SIZE	
R108	CRJ10DJ472T	RES , CHIP	1608 SIZE	

REF NO.	PART NO	DESCRIPTION	REMARK
C / CT Version MAIN PCB ASS'Y (COP11992B)			
R109	CRJ10DJ113T	RES , CHIP	1608 SIZE
R110	CRJ10DJ103T	RES , CHIP	1608 SIZE
R111	CRJ10DJ105T	RES , CHIP	1608 SIZE
R112	CRJ10DJ223T	RES , CHIP	1608 SIZE
R113	CRJ10DJ223T	RES , CHIP	1608 SIZE
R114	CRJ10DJ332T	RES , CHIP	1608 SIZE
R115	CRJ10DJ562T	RES , CHIP	1608 SIZE
R116	CRJ10DJ562T	RES , CHIP	1608 SIZE
R117	CRJ10DJ562T	RES , CHIP	1608 SIZE
R118	CRJ10DJ622T	RES , CHIP	
R119	CRJ10DJ113T	RES , CHIP	1608 SIZE
R120	CRJ10DJ223T	RES , CHIP	1608 SIZE
R121	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R122	CRJ10DJ113T	RES , CHIP	1608 SIZE
R123	CRJ10DJ273T	RES , CHIP	
R124	CRJ10DJ562T	RES , CHIP	1608 SIZE
R125	CRJ10DJ562T	RES , CHIP	1608 SIZE
R126	CRJ10DJ562T	RES , CHIP	1608 SIZE
R127	CRJ10DF4700T	RES, CHIP 470 OHM/1608/1%	
R128	CRJ10DJ103T	RES , CHIP	1608 SIZE
R129	CRJ10DF4700T	RES, CHIP 470 OHM/1608/1%	
R131	CRJ10DF1002T	RES , CHIP 1%	10K /1/10W/F
R132	CRJ10DF1002T	RES , CHIP 1%	10K /1/10W/F
R133	CRJ10DF1002T	RES , CHIP 1%	10K /1/10W/F
R134	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R135	CRJ10DJ100T	RES , CHIP	1608 SIZE
R136	CRJ10DJ221T	RES , CHIP	1608 SIZE
R137	CRJ10DJ221T	RES , CHIP	1608 SIZE
R138	CRJ10DJ100T	RES , CHIP	1608 SIZE
R139	CRJ10DJ472T	RES , CHIP	1608 SIZE
R140	CRJ10DJ133T	RES , CHIP	
R142	CRJ10DJ474T	RES , CHIP	1608 SIZE
R143	HLZ9R005Z	BEAD CHIP 60(1608 SIZE)	HH-1M1608-600
R145	CRJ10DJ912T	RES , CHIP	9.1K OHM/1608
R146	CRJ10DJ472T	RES , CHIP	1608 SIZE
R147	CRJ10DJ132T	RES , CHIP	1608 SIZE
R148	CRJ10DJ132T	RES , CHIP	1608 SIZE
R149	CRJ10DJ272T	RES , CHIP	1608 SIZE
R151	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R152	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R153	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R154	CRJ10DF1202T	RES , CHIP 1%	
R155	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R156	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R160	CRJ10DJ472T	RES , CHIP	1608 SIZE
R161	CRJ10DJ330T	RES , CHIP	1608 SIZE
R162	CRJ10DJ330T	RES , CHIP	1608 SIZE
R163	CRJ10DJ330T	RES , CHIP	1608 SIZE
R164	CRJ10DJ750T	RES , CHIP	1608 SIZE
R165	CRJ10DJ472T	RES , CHIP	1608 SIZE
R166	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R167	CRJ10DJ330T	RES , CHIP	1608 SIZE
R168	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R169	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R170	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R171	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R174	CRJ10DJ330T	RES , CHIP	1608 SIZE
R175	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R176	CRJ10DJ101T	RES , CHIP	1608 SIZE
R177	CRJ10DJ330T	RES , CHIP	1608 SIZE
R178	CRJ10DJ101T	RES , CHIP	1608 SIZE
R179	CRJ10DJ101T	RES , CHIP	1608 SIZE
R180	CRJ10DJ0R0T	RES , CHIP	1608 SIZE

REF NO.	PART NO	DESCRIPTION	REMARK
C / CT Version MAIN PCB ASS'Y (COP11992B)			
R181	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R182	CRJ10DJ750T	RES , CHIP	1608 SIZE
R183	CRJ10DJ750T	RES , CHIP	1608 SIZE
R184	CRJ10DJ471T	RES , CHIP	1608 SIZE
R185	CRJ10DJ330T	RES , CHIP	1608 SIZE
R186	CRJ10DJ330T	RES , CHIP	1608 SIZE
R187	CRJ10DJ182T	RES , CHIP	
R188	CRJ10DJ182T	RES , CHIP	
R189	CRJ10DF39R0T	CHIP RES, 1% 39 Ohm	
R191	CRJ10DF39R0T	CHIP RES, 1% 39 Ohm	
R192	CRJ10DF39R0T	CHIP RES, 1% 39 Ohm	
R193	CRJ10DF3920T	RES. CHIP (392R 1%)	1608 SIZE
R194	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R195	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R196	CRJ10DJ121T	RES , CHIP	1608 SIZE
R197	CRJ10DJ121T	RES , CHIP	1608 SIZE
R198	CRJ10DJ121T	RES , CHIP	1608 SIZE
R199	CRJ10DJ121T	RES , CHIP	1608 SIZE
R200	CRJ10DJ330T	RES , CHIP	1608 SIZE
R201	CRJ10DJ332T	RES , CHIP	1608 SIZE
R202	CRJ10DJ123T	RES , CHIP	1608 SIZE
R203	CRJ10DJ221T	RES , CHIP	1608 SIZE
R204	CRJ10DJ121T	RES , CHIP	1608 SIZE
R205	CRJ10DJ103T	RES , CHIP	1608 SIZE
R206	CRJ10DJ472T	RES , CHIP	1608 SIZE
R207	CRJ10DJ330T	RES , CHIP	1608 SIZE
R208	CRJ10DJ330T	RES , CHIP	1608 SIZE
R209	CRJ10DJ330T	RES , CHIP	1608 SIZE
R210	CRJ10DJ330T	RES , CHIP	1608 SIZE
R211	CRJ10DJ330T	RES , CHIP	1608 SIZE
R212	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R213	CRJ10DJ330T	RES , CHIP	1608 SIZE
R214	CRJ10DJ104T	RES , CHIP	1608 SIZE
R216	CRJ10DJ182T	RES , CHIP	
R217	CRJ10DJ182T	RES , CHIP	
R218	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R219	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R220	HLZ9R005Z	BEAD CHIP 60(1608 SIZE)	HH-1M1608-600
R221	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R222	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R223	CRJ10DJ330T	RES , CHIP	1608 SIZE
R293	CRJ10DJ330T	RES , CHIP	1608 SIZE
R294	CRJ10DJ330T	RES , CHIP	1608 SIZE
R301	CRJ10DJ220T	RES , CHIP	1608 SIZE
R302	CRJ10DJ220T	RES , CHIP	1608 SIZE
R303	CRJ10DJ220T	RES , CHIP	1608 SIZE
R304	CRJ10DJ220T	RES , CHIP	1608 SIZE
R305	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R401	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R402	CRJ10DJ103T	RES , CHIP	1608 SIZE
R404	CRJ10DJ472T	RES , CHIP	1608 SIZE
R405	CRJ10DJ220T	RES , CHIP	1608 SIZE
R407	CRJ10DJ121T	RES , CHIP	1608 SIZE
R409	CRJ10DJ121T	RES , CHIP	1608 SIZE
R410	CRJ10DJ121T	RES , CHIP	1608 SIZE
R411	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R412	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R413	CRJ10DJ182T	RES , CHIP	
R414	CRJ10DJ182T	RES , CHIP	
R415	CRJ10DJ105T	RES , CHIP	1608 SIZE
R416	CRJ10DJ472T	RES , CHIP	1608 SIZE
R417	CRJ10DJ472T	RES , CHIP	1608 SIZE
R418	CRJ10DJ472T	RES , CHIP	1608 SIZE

REF NO.	PART NO	DESCRIPTION	REMARK
C / CT Version MAIN PCB ASS'Y (COP11992B)			
R423	CRJ10DJ220T	RES , CHIP	1608 SIZE
R424	CRJ10DJ220T	RES , CHIP	1608 SIZE
R425	CRJ10DJ100T	RES , CHIP	1608 SIZE
R426	CRJ10DJ103T	RES , CHIP	1608 SIZE
R427	CRJ10DJ103T	RES , CHIP	1608 SIZE
R428	CRJ10DJ103T	RES , CHIP	1608 SIZE
R429	CRJ10DJ103T	RES , CHIP	1608 SIZE
R430	CRJ10DJ473T	RES , CHIP	1608 SIZE
R431	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R432	CRJ10DJ103T	RES , CHIP	1608 SIZE
R434	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R453	CRJ10DJ103T	RES , CHIP	1608 SIZE
R499	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R501	CRJ10DJ472T	RES , CHIP	1608 SIZE
R503	CRJ10DJ330T	RES , CHIP	1608 SIZE
R504	CRJ10DJ330T	RES , CHIP	1608 SIZE
R505	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R506	CRJ10DJ472T	RES , CHIP	1608 SIZE
R507	HLZ9R005Z	BEAD CHIP 60(1608 SIZE)	HH-1M1608-600
R508	CRJ10DJ391T	RES , CHIP	
R509	CRJ10DJ272T	RES , CHIP	1608 SIZE
R510	CRJ10DJ101T	RES , CHIP	1608 SIZE
R511	CRJ10DJ681T	RES , CHIP	1608 SIZE
R512	CRJ10DJ682T	RES , CHIP	1608 SIZE
R513	CRJ10DJ682T	RES , CHIP	1608 SIZE
R515	CRJ10DJ272T	RES , CHIP	1608 SIZE
R516	CRJ10DJ391T	RES , CHIP	
R519	CRJ10DJ182T	RES , CHIP	
R520	CRJ10DJ101T	RES , CHIP	1608 SIZE
R521	CRJ10DJ681T	RES , CHIP	1608 SIZE
R522	CRJ10DJ561T	RES , CHIP	
R523	CRJ10DJ182T	RES , CHIP	
R524	CRJ10DJ101T	RES , CHIP	1608 SIZE
R525	CRJ10DJ681T	RES , CHIP	1608 SIZE
R526	CRJ10DJ561T	RES , CHIP	
R527	CRJ10DJ182T	RES , CHIP	
R528	CRJ10DJ101T	RES , CHIP	1608 SIZE
R529	CRJ10DJ681T	RES , CHIP	1608 SIZE
R530	CRJ10DJ561T	RES , CHIP	
R531	CRJ10DJ182T	RES , CHIP	
R532	CRJ10DJ101T	RES , CHIP	1608 SIZE
R533	CRJ10DJ681T	RES , CHIP	1608 SIZE
R534	CRJ10DJ561T	RES , CHIP	
R535	CRJ10DJ182T	RES , CHIP	
R536	CRJ10DJ101T	RES , CHIP	1608 SIZE
R537	CRJ10DJ681T	RES , CHIP	1608 SIZE
R538	CRJ10DJ561T	RES , CHIP	
R541	CRJ10DJ472T	RES , CHIP	1608 SIZE
R544	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R545	CRJ10DJ750T	RES , CHIP	1608 SIZE
R546	CRJ10DJ750T	RES , CHIP	1608 SIZE
R547	CRJ10DJ750T	RES , CHIP	1608 SIZE
R548	CRJ10DJ750T	RES , CHIP	1608 SIZE
R549	CRJ10DJ750T	RES , CHIP	1608 SIZE
R550	CRJ10DJ750T	RES , CHIP	1608 SIZE
R551	CRJ10DJ750T	RES , CHIP	1608 SIZE
R559	CRJ10DJ750T	RES , CHIP	1608 SIZE
R560	CRJ10DJ181T	RES , CHIP	1608 SIZE
R561	CRJ10DJ104T	RES , CHIP	1608 SIZE
R562	CRJ10DJ820T	RES , CHIP	1608 SIZE
R563	CRJ10DJ820T	RES , CHIP	1608 SIZE
R564	CRJ10DJ820T	RES , CHIP	1608 SIZE
R565	CRJ10DJ821T	RES , CHIP	1608 SIZE

REF NO.	PART NO	DESCRIPTION	REMARK
C / CT Version MAIN PCB ASS'Y (COP11992B)			
R566	CRJ10DJ102T	RES , CHIP	1608 SIZE
R567	CRJ10DJ471T	RES , CHIP	1608 SIZE
R568	CRJ10DJ471T	RES , CHIP	1608 SIZE
R569	CRJ10DJ223T	RES , CHIP	1608 SIZE
R570	CRJ10DJ102T	RES , CHIP	1608 SIZE
R571	CRJ10DJ103T	RES , CHIP	1608 SIZE
R572	CRJ10DJ392T	RES , CHIP	
R573	CRJ10DJ392T	RES , CHIP	
R574	CRJ10DJ472T	RES , CHIP	1608 SIZE
R575	CRJ10DJ472T	RES , CHIP	1608 SIZE
R576	CRJ10DJ472T	RES , CHIP	1608 SIZE
R577	CRJ10DJ472T	RES , CHIP	1608 SIZE
R578	CRJ10DJ472T	RES , CHIP	1608 SIZE
R579	CRJ10DJ472T	RES , CHIP	1608 SIZE
R580	CRJ10DJ472T	RES , CHIP	1608 SIZE
R581	CRJ10DJ472T	RES , CHIP	1608 SIZE
R582	CRJ10DJ472T	RES , CHIP	1608 SIZE
R583	CRJ10DJ330T	RES , CHIP	1608 SIZE
R584	CRJ10DJ330T	RES , CHIP	1608 SIZE
R585	CRJ10DJ472T	RES , CHIP	1608 SIZE
R586	CRJ10DJ330T	RES , CHIP	1608 SIZE
R587	CRJ10DJ330T	RES , CHIP	1608 SIZE
R589	CRJ10DJ472T	RES , CHIP	1608 SIZE
R590	CRJ10DJ472T	RES , CHIP	1608 SIZE
R591	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R592	CRJ10DJ220T	RES , CHIP	1608 SIZE
R593	CRJ10DJ220T	RES , CHIP	1608 SIZE
R594	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R595	CRJ10DJ471T	RES , CHIP	1608 SIZE
R596	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R597	CRJ10DJ103T	RES , CHIP	1608 SIZE
R598	CRJ10DJ471T	RES , CHIP	1608 SIZE
R599	CRJ10DJ103T	RES , CHIP	1608 SIZE
R601	CRJ10DJ103T	RES , CHIP	1608 SIZE
R602	CRJ10DJ103T	RES , CHIP	1608 SIZE
R603	CRJ10DJ103T	RES , CHIP	1608 SIZE
R604	CRJ10DJ103T	RES , CHIP	1608 SIZE
R605	CRJ10DJ103T	RES , CHIP	1608 SIZE
R606	CRJ10DJ103T	RES , CHIP	1608 SIZE
R607	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R608	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R609	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R610	CRJ10DJ330T	RES , CHIP	1608 SIZE
R611	CRJ10DJ330T	RES , CHIP	1608 SIZE
R612	CRJ10DJ102T	RES , CHIP	1608 SIZE
R613	CRJ10DJ330T	RES , CHIP	1608 SIZE
R614	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R620	CRJ10DJ330T	RES , CHIP	1608 SIZE
R621	CRJ10DJ330T	RES , CHIP	1608 SIZE
R622	CRJ10DJ472T	RES , CHIP	1608 SIZE
R623	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R624	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R625	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R626	CRJ10DJ105T	RES , CHIP	1608 SIZE
R627	HLZ9R005Z	BEAD CHIP 60(1608 SIZE)	HH-1M1608-600
R628	CRJ10DJ330T	RES , CHIP	1608 SIZE
R629	CRJ10DJ330T	RES , CHIP	1608 SIZE
R631	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R632	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R634	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R635	CRJ10DJ330T	RES , CHIP	1608 SIZE
R636	CRJ10DJ330T	RES , CHIP	1608 SIZE
R637	CRJ10DJ471T	RES , CHIP	1608 SIZE

REF NO.	PART NO	DESCRIPTION	REMARK
C / CT Version MAIN PCB ASS'Y (COP11992B)			
R639	CRJ10DJ330T	RES , CHIP	1608 SIZE
R644	CRJ10DJ330T	RES , CHIP	1608 SIZE
R645	CRJ10DJ330T	RES , CHIP	1608 SIZE
R646	CRJ10DJ472T	RES , CHIP	1608 SIZE
R647	CRJ10DJ330T	RES , CHIP	1608 SIZE
R650	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R651	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R652	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R653	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R654	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R659	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R660	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R662	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R663	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R665	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R750	CRJ10DJ750T	RES , CHIP	1608 SIZE
R751	CRJ10DJ680T	RES , CHIP	
R752	CRJ10DJ121T	RES , CHIP	1608 SIZE
R753	CRJ10DJ820T	RES , CHIP	1608 SIZE
R754	CRJ10DJ4R7T	RES , CHIP	1608 SIZE
R755	CRJ10DJ223T	RES , CHIP	1608 SIZE
R771	CRJ10DJ472T	RES , CHIP	1608 SIZE
R772	CRJ10DJ472T	RES , CHIP	1608 SIZE
R773	CRJ10DJ472T	RES , CHIP	1608 SIZE
R774	CRJ10DJ472T	RES , CHIP	1608 SIZE
R775	CRJ10DJ101T	RES , CHIP	1608 SIZE
R776	CRJ10DJ221T	RES , CHIP	1608 SIZE
R777	CRJ10DJ474T	RES , CHIP	1608 SIZE
R778	CRJ10DJ223T	RES , CHIP	1608 SIZE
R779	CRJ10DJ224T	RES , CHIP	
R781	CRJ10DJ224T	RES , CHIP	
R783	CRJ10DJ224T	RES , CHIP	
R784	CRJ10DJ472T	RES , CHIP	1608 SIZE
R785	CRJ10DJ472T	RES , CHIP	1608 SIZE
R786	CRJ10DJ472T	RES , CHIP	1608 SIZE
R787	CRJ10DJ472T	RES , CHIP	1608 SIZE
R788	CRJ10DJ472T	RES , CHIP	1608 SIZE
R789	CRJ10DJ472T	RES , CHIP	1608 SIZE
R790	CRJ10DJ472T	RES , CHIP	1608 SIZE
R791	CRJ10DJ472T	RES , CHIP	1608 SIZE
R792	CRJ10DJ472T	RES , CHIP	1608 SIZE
R793	CRJ10DJ472T	RES , CHIP	1608 SIZE
R794	CRJ10DJ472T	RES , CHIP	1608 SIZE
R795	CRJ10DJ472T	RES , CHIP	1608 SIZE
R796	CRJ10DJ330T	RES , CHIP	1608 SIZE
R797	CRJ10DJ330T	RES , CHIP	1608 SIZE
R798	CRJ10DJ330T	RES , CHIP	1608 SIZE
R799	CRJ10DJ332T	RES , CHIP	1608 SIZE
R801	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R802	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R803	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R804	CRJ10DJ330T	RES , CHIP	1608 SIZE
R805	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R806	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R807	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R808	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R809	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R810	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R811	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R812	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R813	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R814	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R815	CRJ10DJ0R0T	RES , CHIP	1608 SIZE

REF NO.	PART NO	DESCRIPTION	REMARK
C / CT Version MAIN PCB ASS'Y (COP11992B)			
R816	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R817	CRJ10DJ132T	RES , CHIP	1608 SIZE
R818	CRJ10DJ132T	RES , CHIP	1608 SIZE
R819	CRJ10DJ132T	RES , CHIP	1608 SIZE
R820	CRJ10DJ132T	RES , CHIP	1608 SIZE
R821	CRJ10DJ332T	RES , CHIP	1608 SIZE
R822	CRJ10DJ332T	RES , CHIP	1608 SIZE
R823	CRJ10DJ102T	RES , CHIP	1608 SIZE
R824	CRJ10DJ102T	RES , CHIP	1608 SIZE
R825	CRJ10DJ221T	RES , CHIP	1608 SIZE
R826	CRJ10DJ104T	RES , CHIP	1608 SIZE
R827	CRJ10DJ132T	RES , CHIP	1608 SIZE
R828	CRJ10DJ132T	RES , CHIP	1608 SIZE
R829	CRJ10DJ132T	RES , CHIP	1608 SIZE
R830	CRJ10DJ132T	RES , CHIP	1608 SIZE
R831	CRJ10DJ332T	RES , CHIP	1608 SIZE
R832	CRJ10DJ102T	RES , CHIP	1608 SIZE
R833	CRJ10DJ102T	RES , CHIP	1608 SIZE
R834	CRJ10DJ332T	RES , CHIP	1608 SIZE
R835	CRJ10DJ221T	RES , CHIP	1608 SIZE
R836	CRJ10DJ104T	RES , CHIP	1608 SIZE
R837	CRJ10DJ132T	RES , CHIP	1608 SIZE
R838	CRJ10DJ132T	RES , CHIP	1608 SIZE
R839	CRJ10DJ132T	RES , CHIP	1608 SIZE
R840	CRJ10DJ132T	RES , CHIP	1608 SIZE
R841	CRJ10DJ332T	RES , CHIP	1608 SIZE
R842	CRJ10DJ332T	RES , CHIP	1608 SIZE
R843	CRJ10DJ102T	RES , CHIP	1608 SIZE
R844	CRJ10DJ102T	RES , CHIP	1608 SIZE
R845	CRJ10DJ221T	RES , CHIP	1608 SIZE
R846	CRJ10DJ104T	RES , CHIP	1608 SIZE
R847	CRJ10DJ132T	RES , CHIP	1608 SIZE
R848	CRJ10DJ132T	RES , CHIP	1608 SIZE
R849	CRJ10DJ132T	RES , CHIP	1608 SIZE
R850	CRJ10DJ132T	RES , CHIP	1608 SIZE
R851	CRJ10DJ332T	RES , CHIP	1608 SIZE
R852	CRJ10DJ102T	RES , CHIP	1608 SIZE
R853	CRJ10DJ102T	RES , CHIP	1608 SIZE
R854	CRJ10DJ332T	RES , CHIP	1608 SIZE
R855	CRJ10DJ221T	RES , CHIP	1608 SIZE
R856	CRJ10DJ104T	RES , CHIP	1608 SIZE
R857	CRJ10DJ132T	RES , CHIP	1608 SIZE
R858	CRJ10DJ132T	RES , CHIP	1608 SIZE
R859	CRJ10DJ132T	RES , CHIP	1608 SIZE
R860	CRJ10DJ132T	RES , CHIP	1608 SIZE
R861	CRJ10DJ332T	RES , CHIP	1608 SIZE
R862	CRJ10DJ102T	RES , CHIP	1608 SIZE
R863	CRJ10DJ102T	RES , CHIP	1608 SIZE
R864	CRJ10DJ332T	RES , CHIP	1608 SIZE
R865	CRJ10DJ221T	RES , CHIP	1608 SIZE
R866	CRJ10DJ104T	RES , CHIP	1608 SIZE
R867	CRJ10DJ132T	RES , CHIP	1608 SIZE
R868	CRJ10DJ132T	RES , CHIP	1608 SIZE
R869	CRJ10DJ132T	RES , CHIP	1608 SIZE
R870	CRJ10DJ132T	RES , CHIP	1608 SIZE
R871	CRJ10DJ332T	RES , CHIP	1608 SIZE
R872	CRJ10DJ102T	RES , CHIP	1608 SIZE
R873	CRJ10DJ102T	RES , CHIP	1608 SIZE
R874	CRJ10DJ332T	RES , CHIP	1608 SIZE
R875	CRJ10DJ221T	RES , CHIP	1608 SIZE
R876	CRJ10DJ104T	RES , CHIP	1608 SIZE
R877	CRJ10DJ132T	RES , CHIP	1608 SIZE
R878	CRJ10DJ132T	RES , CHIP	1608 SIZE

REF NO.	PART NO	DESCRIPTION	REMARK
C / CT Version MAIN PCB ASS'Y (COP11992B)			
R879	CRJ10DJ132T	RES , CHIP	1608 SIZE
R880	CRJ10DJ132T	RES , CHIP	1608 SIZE
R881	CRJ10DJ332T	RES , CHIP	1608 SIZE
R882	CRJ10DJ332T	RES , CHIP	1608 SIZE
R883	CRJ10DJ102T	RES , CHIP	1608 SIZE
R884	CRJ10DJ102T	RES , CHIP	1608 SIZE
R885	CRJ10DJ221T	RES , CHIP	1608 SIZE
R886	CRJ10DJ104T	RES , CHIP	1608 SIZE
R887	CRJ10DJ132T	RES , CHIP	1608 SIZE
R888	CRJ10DJ132T	RES , CHIP	1608 SIZE
R889	CRJ10DJ132T	RES , CHIP	1608 SIZE
R890	CRJ10DJ132T	RES , CHIP	1608 SIZE
R891	CRJ10DJ332T	RES , CHIP	1608 SIZE
R892	CRJ10DJ102T	RES , CHIP	1608 SIZE
R893	CRJ10DJ102T	RES , CHIP	1608 SIZE
R894	CRJ10DJ332T	RES , CHIP	1608 SIZE
R895	CRJ10DJ221T	RES , CHIP	1608 SIZE
R896	CRJ10DJ104T	RES , CHIP	1608 SIZE
R897	CRJ10DJ221T	RES , CHIP	1608 SIZE
R898	CRJ10DJ221T	RES , CHIP	1608 SIZE
R899	CRJ10DJ221T	RES , CHIP	1608 SIZE
R900	CRJ10DJ221T	RES , CHIP	1608 SIZE
R901	CRJ10DJ330T	RES , CHIP	1608 SIZE
R902	CRJ10DJ330T	RES , CHIP	1608 SIZE
R903	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R904	CRJ10DJ330T	RES , CHIP	1608 SIZE
R905	CRJ10DJ330T	RES , CHIP	1608 SIZE
R906	CRJ10DJ330T	RES , CHIP	1608 SIZE
R907	CRJ10DJ330T	RES , CHIP	1608 SIZE
R908	CRJ10DJ330T	RES , CHIP	1608 SIZE
R909	CRJ10DJ330T	RES , CHIP	1608 SIZE
R910	CRJ10DJ330T	RES , CHIP	1608 SIZE
R911	CRJ10DJ330T	RES , CHIP	1608 SIZE
R912	CRJ10DJ472T	RES , CHIP	1608 SIZE
R913	CRJ10DF4700T	RES, CHIP 470 OHM/1608/1%	
R915	CRJ10DJ103T	RES , CHIP	1608 SIZE
R916	CRJ10DJ101T	RES , CHIP	1608 SIZE
R917	CRJ10DJ101T	RES , CHIP	1608 SIZE
R918	CRJ10DJ103T	RES , CHIP	1608 SIZE
R919	CRJ10DJ473T	RES , CHIP	1608 SIZE
R920	CRJ10DJ330T	RES , CHIP	1608 SIZE
R921	CRJ10DJ330T	RES , CHIP	1608 SIZE
R923	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R924	CRJ10DJ472T	RES , CHIP	1608 SIZE
R925	CRJ10DJ472T	RES , CHIP	1608 SIZE
R926	CRJ10DJ182T	RES , CHIP	
R927	CRJ10DJ182T	RES , CHIP	
R928	CRJ10DJ391T	RES , CHIP	
R929	CRJ10DJ330T	RES , CHIP	1608 SIZE
R930	CRJ10DJ330T	RES , CHIP	1608 SIZE
R931	CRJ10DJ330T	RES , CHIP	1608 SIZE
R932	CRJ10DJ330T	RES , CHIP	1608 SIZE
R933	CRJ10DJ330T	RES , CHIP	1608 SIZE
R934	CRJ10DJ330T	RES , CHIP	1608 SIZE
R935	CRJ10DJ101T	RES , CHIP	1608 SIZE
R937	CRJ10DJ472T	RES , CHIP	1608 SIZE
R938	CRJ10DJ472T	RES , CHIP	1608 SIZE
R939	CRJ10DJ330T	RES , CHIP	1608 SIZE
R940	CRJ10DJ330T	RES , CHIP	1608 SIZE
R941	CRJ10DJ330T	RES , CHIP	1608 SIZE
R943	CRJ10DJ330T	RES , CHIP	1608 SIZE
R944	CRJ10DJ330T	RES , CHIP	1608 SIZE
R951	CRJ10DJ151T	RES , CHIP	1608 SIZE

REF NO.	PART NO	DESCRIPTION	REMARK
C / CT Version MAIN PCB ASS'Y (COP11992B)			
R952	CRJ10DJ151T	RES , CHIP	1608 SIZE
R980	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R981	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R996	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R997	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R998	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R999	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
X101	HOX27000E180S	CRYSTAL , CHIP(27MHZ,SMD)	HC-49/US
X601	COX13500E160S	X'TAL (13.5MHz) 16p	
C235	CCEA1CH101T	CAP , ELECT	100UF 16V
C237	CCEA1EH470T	CAP , ELECT	47UF 25V
C238	CCEA1EH470T	CAP , ELECT	47UF 25V
C239	CCEA1HH4R7T	CAP , ELECT	4.7UF 50V
C240	CCEA1CH101T	CAP , ELECT	100UF 16V
C241	CCEA1CH101T	CAP , ELECT	100UF 16V
C242	CCEA1EH470T	CAP , ELECT	47UF 25V
C243	CCEA1EH221T	CAP , ELECT	220UF 25V
C244	CCEA1EH470T	CAP , ELECT	47UF 25V
C245	CCEA1EH470T	CAP , ELECT	47UF 25V
C246	CCEA1HH220T	CAP , ELECT	22UF 50V
C247	CCEA1EH470T	CAP , ELECT	47UF 25V
C250	CCEA1EH470T	CAP , ELECT	47UF 25V
C252	CCEA1CH101T	CAP , ELECT	100UF 16V
C253	CCEA1CH101T	CAP , ELECT	100UF 16V
C254	CCEA1CH101T	CAP , ELECT	100UF 16V
C255	CCEA1CH101T	CAP , ELECT	100UF 16V
C256	CCEA1EH470T	CAP , ELECT	47UF 25V
C257	CCEA1EH470T	CAP , ELECT	47UF 25V
C258	CCEA1EH470T	CAP , ELECT	47UF 25V
C259	CCEA1EH470T	CAP , ELECT	47UF 25V
C260	CCEA1EH470T	CAP , ELECT	47UF 25V
C261	CCEA1EH470T	CAP , ELECT	47UF 25V
C262	CCEA1CH101T	CAP , ELECT	100UF 16V
C263	CCEA1CH101T	CAP , ELECT	100UF 16V
C264	CCEA1CH101T	CAP , ELECT	100UF 16V
C265	CCEA1CH101T	CAP , ELECT	100UF 16V
C266	CCEA1CH101T	CAP , ELECT	100UF 16V
C267	CCEA1CH101T	CAP , ELECT	100UF 16V
C268	CCEA1CH101T	CAP , ELECT	100UF 16V
C270	CCEA1EH470T	CAP , ELECT	47UF 25V
C271	CCEA1EH470T	CAP , ELECT	47UF 25V
C272	CCEA1CH101T	CAP , ELECT	100UF 16V
C274	CCEA1CH101T	CAP , ELECT	100UF 16V
C276	CCEA1CH101T	CAP , ELECT	100UF 16V
C278	CCEA1CH101T	CAP , ELECT	100UF 16V
C288	CCEA1CH101T	CAP , ELECT	100UF 16V
C306	CCEA1EH470T	CAP , ELECT	47UF 25V
C402	CCEA1EH470T	CAP , ELECT	47UF 25V
C407	CCEA1HH1R0T	CAP , ELECT	1UF 50V
C408	CCEA1HH100T	CAP , ELECT	10UF 50V
C409	CCEA1HH4R7T	CAP , ELECT	4.7UF 50V
C501	CCEA1CH101T	CAP , ELECT	100UF 16V
C503	CCEA1CH101T	CAP , ELECT	100UF 16V
C517	CCEA1CH101T	CAP , ELECT	100UF 16V
C523	CCEA1CH101T	CAP , ELECT	100UF 16V
C528	CCEA1CH101T	CAP , ELECT	100UF 16V
C532	CCEA1CH221T	CAP , ELECT	220UF 16V
C536	CCEA1HH1R0T	CAP , ELECT	1UF 50V
C537	CCEA1HH1R0T	CAP , ELECT	1UF 50V
C539	CCEA1EH470T	CAP , ELECT	47UF 25V
C540	CCEA1EH470T	CAP , ELECT	47UF 25V
C541	CCEA1AH331T	CAP , ELECT	330UF 10V
C542	CCEA1AH331T	CAP , ELECT	330UF 10V

REF NO.	PART NO	DESCRIPTION	REMARK
C / CT Version MAIN PCB ASS'Y (COP11992B)			
C543	CCEA1HH220T	CAP , ELECT	22UF 50V
C544	CCEA1CH101T	CAP , ELECT	100UF 16V
C545	CCEA1HH220T	CAP , ELECT	22UF 50V
C546	CCEA1CH101T	CAP , ELECT	100UF 16V
C548	CCEA1CH101T	CAP , ELECT	100UF 16V
C549	CCEA1AH331T	CAP , ELECT	330UF 10V
C562	CCEA1AH331T	CAP , ELECT	330UF 10V
C563	CCEA1AH331T	CAP , ELECT	330UF 10V
C567	CCEA1AH331T	CAP , ELECT	330UF 10V
C570	CCEA1AH331T	CAP , ELECT	330UF 10V
C573	CCEA1CH101T	CAP , ELECT	100UF 16V
C577	CCEA1CH221T	CAP , ELECT	220UF 16V
C578	CCEA1CH221T	CAP , ELECT	220UF 16V
C606	CCEA1CH101T	CAP , ELECT	100UF 16V
C617	CCEA1CH101T	CAP , ELECT	100UF 16V
C624	CCEA1HH220T	CAP , ELECT	22UF 50V
C625	CCEA1CH101T	CAP , ELECT	100UF 16V
C628	CCEA1HH220T	CAP , ELECT	22UF 50V
C629	CCEA1CH101T	CAP , ELECT	100UF 16V
C638	CCEA1CH101T	CAP , ELECT	100UF 16V
C645	CCEA1CH101T	CAP , ELECT	100UF 16V
C647	CCEA1CH221T	CAP , ELECT	220UF 16V
C650	CCEA1CH221T	CAP , ELECT	220UF 16V
C653	CCEA1CH221T	CAP , ELECT	220UF 16V
C656	CCEA1CH221T	CAP , ELECT	220UF 16V
C660	CCEA1CH221T	CAP , ELECT	220UF 16V
C661	CCEA1CH221T	CAP , ELECT	220UF 16V
C664	CCEA1CH221T	CAP , ELECT	220UF 16V
C666	CCEA1EH470T	CAP , ELECT	47UF 25V
C667	CCEA1CH221T	CAP , ELECT	220UF 16V
C802	CCEA1CH101T	CAP , ELECT	100UF 16V
C804	CCEA1HH100T	CAP , ELECT	10UF 50V
C807	CCEA1EH470T	CAP , ELECT	47UF 25V
C809	CCEA1HH1R0T	CAP , ELECT	1UF 50V
C810	CCEA1CH101T	CAP , ELECT	100UF 16V
C812	HCQI1H222JZT	CAP , MYLAR	220
C813	HCQI1H222JZT	CAP , MYLAR	220
C816	CCEA1CH221T	CAP , ELECT	220UF 16V
C818	HCEA1CR470T	ELECT , CAP (ELNA/ROS)	
C819	HCQI1H222JZT	CAP , MYLAR	220
C820	HCQI1H222JZT	CAP , MYLAR	220
C824	CCEA1CH221T	CAP , ELECT	220UF 16V
C825	HCEA1CR470T	ELECT , CAP (ELNA/ROS)	
C826	HCQI1H222JZT	CAP , MYLAR	220
C827	HCQI1H222JZT	CAP , MYLAR	220
C830	HCEA1CR470T	ELECT , CAP (ELNA/ROS)	
C831	CCEA1CH221T	CAP , ELECT	220UF 16V
C833	HCQI1H222JZT	CAP , MYLAR	220
C834	HCQI1H222JZT	CAP , MYLAR	220
C838	CCEA1CH221T	CAP , ELECT	220UF 16V
C839	HCEA1CR470T	ELECT , CAP (ELNA/ROS)	
C840	HCQI1H222JZT	CAP , MYLAR	220
C841	HCQI1H222JZT	CAP , MYLAR	220
C844	HCEA1CR470T	ELECT , CAP (ELNA/ROS)	
C845	CCEA1CH221T	CAP , ELECT	220UF 16V
C847	HCQI1H222JZT	CAP , MYLAR	220
C848	HCQI1H222JZT	CAP , MYLAR	220
C852	CCEA1CH221T	CAP , ELECT	220UF 16V
C853	HCEA1CR470T	ELECT , CAP (ELNA/ROS)	
C854	HCQI1H222JZT	CAP , MYLAR	220
C855	HCQI1H222JZT	CAP , MYLAR	220
C858	HCEA1CR470T	ELECT , CAP (ELNA/ROS)	
C859	CCEA1CH221T	CAP , ELECT	220UF 16V

REF NO.	PART NO	DESCRIPTION	REMARK
C / CT Version MAIN PCB ASS'Y (COP11992B)			
C861	HCQI1H222JZT	CAP , MYLAR	220
C862	HCQI1H222JZT	CAP , MYLAR	220
C866	CCEA1CH221T	CAP , ELECT	220UF 16V
C867	HCEA1CR470T	ELECT , CAP (ELNA/ROS)	
C873	CCEA1CH221T	CAP , ELECT	220UF 16V
C875	CCEA1CH221T	CAP , ELECT	220UF 16V
C877	CCEA1CH221T	CAP , ELECT	220UF 16V
C880	CCEA1CH221T	CAP , ELECT	220UF 16V
C881	CCEA1EH221T	CAP , ELECT	220UF 25V
C883	CCEA1EH221T	CAP , ELECT	220UF 25V
C885	CCEA1CH221T	CAP , ELECT	220UF 16V
C887	CCEA1CH221T	CAP , ELECT	220UF 16V
C895	CCEA1CH221T	CAP , ELECT	220UF 16V
C896	CCEA1HH0R1T	CAP , ELECT	0.1UF 50V
C897	CCEA1CH101T	CAP , ELECT	100UF 16V
C901	CCEA1CH101T	CAP , ELECT	100UF 16V
C922	CCEA1CH101T	CAP , ELECT	100UF 16V
C955	CCEA1AH471T	CAP , ELECT	470UF 10V
D106	CVD1N4003SRT	DIODE , RECT	1N4003
D107	CVD1N4003SRT	DIODE , RECT	1N4003
Q806	HVTKSA916YT	T.R	
BN42	CWB1C914180EN	WIRE ASS'Y 14P 180mm (BOARD-IN	
CN02	CJP07GA01ZY	WAFER, STRAIGHT, 7PIN	
CN12	CJP05GA19ZY	WAFER, STRAIGHT, 5PIN	
CN13	CJP06GA19ZY	WAFER , STRAIGHT DVD LOADER	
CX41	CJP17GA117ZY	WAFER	
CX91	CJP17GA117ZY	WAFER	
CY91	CJP17GA117ZY	WAFER	
ET10	CMC1A111	PLATE , EARTH	
IC57	HVIPC17L1CB	I.C , PHOTO COUPLER	
IC79	HVIKIA7809API	I.C , REGULATOR +9V	KIA7809 (KEC)
IC80	HVIKIA7909PI	IC , REGULATOR (-9V)	
JK31	CJJ9W001Z	9P D-SUB FEMALE(RS-232C) SEMCO	
JK45	CJJ6K004Z	JACK , SCART(SHIELD PLATE)	
JK51	CJJ9N006Z	JACK (S-VIDEO + CVBS) GOLD, 2P	
JK52	CJJ4S014Z	JACK , IN/OUT (R.G.B)	RCA-305AG-06
JK55	CJJ2D008Z	JACK , STEREO	
JK81	CJJ4P019Y	JACK , BOARD	GOLD , PLATE
JK82	CJJ4P019Y	JACK , BOARD	GOLD , PLATE
JK83	CJS9U011Z	JACK, OPTICAL+COXIAL(GOLD PLAT	
PB51	CMD1A569	BRACKET , PCB	
PB52	CMD1A569	BRACKET , PCB	
X401	HOX04000E150C	CRYSTAL , 4MHZ	

REF NO.	PART NO	DESCRIPTION	REMARK
AH / AHT Version MAIN PCB ASS'Y (COP11992C)			
	CUP11992Y	PCB , MAIN T535	FR-4, 296X229MM
	CIP11992CBSMD	MAIN PCB SMD BOTTOM ASS'Y T535	1EA
C110	CCUS1H330JA	CAP , CHIP	3
C117	CCUS1H104KC	CAP , CHIP	0
C121	CCUS1H104KC	CAP , CHIP	0
C124	CCUS1H104KC	CAP , CHIP	0
C126	CCUS1H562KC	CAP , CHIP CERAMIC(1608, 5600p	560
C127	CCUS1H562KC	CAP , CHIP CERAMIC(1608, 5600p	560
C128	CCUS1H562KC	CAP , CHIP CERAMIC(1608, 5600p	560
C130	CCUS1H471JA	CAP , CHIP	47
C131	CCUS1H104KC	CAP , CHIP	0
C132	CCUS1H104KC	CAP , CHIP	0
C133	CCUS1H104KC	CAP , CHIP	0
C134	CCUS1H102KC	CAP , CHIP	100
C139	CCUS1H102KC	CAP , CHIP	100
C140	CCUS1H104KC	CAP , CHIP	0
C141	CCUS1H333KC	CAP , CHIP	0.03
C144	CCUS1H104KC	CAP , CHIP	0
C147	CCUS1H104KC	CAP , CHIP	0
C156	CCUS1H104KC	CAP , CHIP	0
C157	CCUS1H104KC	CAP , CHIP	0
C158	CCUS1H104KC	CAP , CHIP	0
C159	CCUS1H104KC	CAP , CHIP	0
C160	CCUS1H104KC	CAP , CHIP	0
C161	CCUS1H104KC	CAP , CHIP	0
C162	CCUS1H104KC	CAP , CHIP	0
C163	CCUS1H104KC	CAP , CHIP	0
C164	CCUS1H104KC	CAP , CHIP	0
C165	CCUS1H104KC	CAP , CHIP	0
C169	CCUS1H102KC	CAP , CHIP	100
C175	CCUS1H104KC	CAP , CHIP	0
C176	CCUS1H104KC	CAP , CHIP	0
C177	CCUS1H104KC	CAP , CHIP	0
C178	CCUS1H104KC	CAP , CHIP	0
C183	CCUS1H104KC	CAP , CHIP	0
C184	CCUS1H104KC	CAP , CHIP	0
C185	CCUS1H104KC	CAP , CHIP	0
C186	CCUS1H104KC	CAP , CHIP	0
C187	CCUS1H104KC	CAP , CHIP	0
C188	CCUS1H104KC	CAP , CHIP	0
C189	CCUS1H104KC	CAP , CHIP	0
C190	CCUS1H104KC	CAP , CHIP	0
C191	CCUS1H104KC	CAP , CHIP	0
C192	CCUS1H104KC	CAP , CHIP	0
C193	CCUS1H104KC	CAP , CHIP	0
C194	CCUS1H104KC	CAP , CHIP	0
C195	CCUS1H104KC	CAP , CHIP	0
C196	CCUS1H104KC	CAP , CHIP	0
C197	CCUS1H104KC	CAP , CHIP	0
C198	CCUS1H104KC	CAP , CHIP	0
C199	CCUS1H104KC	CAP , CHIP	0
C200	CCUS1H104KC	CAP , CHIP	0
C201	CCUS1H104KC	CAP , CHIP	0
C202	CCUS1H104KC	CAP , CHIP	0
C203	CCUS1H104KC	CAP , CHIP	0
C210	CCUS1H104KC	CAP , CHIP	0
C211	CCUS1H104KC	CAP , CHIP	0
C212	CCUS1H104KC	CAP , CHIP	0
C213	CCUS1H104KC	CAP , CHIP	0
C214	CCUS1H104KC	CAP , CHIP	0
C215	CCUS1H104KC	CAP , CHIP	0
C216	CCUS1H104KC	CAP , CHIP	0
C217	CCUS1H104KC	CAP , CHIP	0

REF NO.	PART NO	DESCRIPTION	REMARK
AH / AHT Version MAIN PCB ASS'Y (COP11992C)			
C218	CCUS1H104KC	CAP , CHIP	0
C219	CCUS1H104KC	CAP , CHIP	0
C220	CCUS1H104KC	CAP , CHIP	0
C222	CCUS1H104KC	CAP , CHIP	0
C223	CCUS1H104KC	CAP , CHIP	0
C228	CCUS1H104KC	CAP , CHIP	0
C248	CCSJB1A220B	CAP , CHIP TANTAL(B TYPE, 22uF	
C249	CCSJB1A220B	CAP , CHIP TANTAL(B TYPE, 22uF	
C269	CCUS1H104KC	CAP , CHIP	0
C279	CCUS1H104KC	CAP , CHIP	0
C280	CCUS1H104KC	CAP , CHIP	0
C281	CCUS1H104KC	CAP , CHIP	0
C282	CCUS1H104KC	CAP , CHIP	0
C283	CCUS1H104KC	CAP , CHIP	0
C284	CCUS1H104KC	CAP , CHIP	0
C285	CCUS1H104KC	CAP , CHIP	0
C286	CCUS1H104KC	CAP , CHIP	0
C403	CCUS1H104KC	CAP , CHIP	0
C461	CCUS1H104KC	CAP , CHIP	0
C462	CCUS1H104KC	CAP , CHIP	0
C507	CCUS1H104KC	CAP , CHIP	0
C508	CCUS1H104KC	CAP , CHIP	0
C510	CCUS1H101JA	CAP , CHIP	10
C514	CCUS1H104KC	CAP , CHIP	0
C515	CCUS1H104KC	CAP , CHIP	0
C522	CCUS1H104KC	CAP , CHIP	0
C533	CCUS1H104KC	CAP , CHIP	0
C576	CCUS1H104KC	CAP , CHIP	0
C579	CCUS1H104KC	CAP , CHIP	0
C586	CCUS1H104KC	CAP , CHIP	0
C601	CCUS1H104KC	CAP , CHIP	0
C602	CCUS1H104KC	CAP , CHIP	0
C603	CCUS1H104KC	CAP , CHIP	0
C604	CCUS1H104KC	CAP , CHIP	0
C607	CCUS1H104KC	CAP , CHIP	0
C608	CCUS1H103KC	CAP , CHIP	0
C609	CCUS1H104KC	CAP , CHIP	0
C610	CCUS1H104KC	CAP , CHIP	0
C611	CCUS1H104KC	CAP , CHIP	0
C612	CCUS1H104KC	CAP , CHIP	0
C613	CCUS1H104KC	CAP , CHIP	0
C614	CCUS1H104KC	CAP , CHIP	0
C615	CCUS1H104KC	CAP , CHIP	0
C616	CCUS1H104KC	CAP , CHIP	0
C618	CCUS1H103KC	CAP , CHIP	0
C619	CCUS1H104KC	CAP , CHIP	0
C620	CCUS1H104KC	CAP , CHIP	0
C621	CCUS1H104KC	CAP , CHIP	0
C626	CCUS1H104KC	CAP , CHIP	0
C627	CCUS1H103KC	CAP , CHIP	0
C630	CCUS1H104KC	CAP , CHIP	0
C631	CCUS1H103KC	CAP , CHIP	0
C632	CCUS1H104KC	CAP , CHIP	0
C633	CCUS1H104KC	CAP , CHIP	0
C634	CCUS1H104KC	CAP , CHIP	0
C635	CCUS1H104KC	CAP , CHIP	0
C636	CCUS1H104KC	CAP , CHIP	0
C637	CCUS1H104KC	CAP , CHIP	0
C639	CCUS1H104KC	CAP , CHIP	0
C640	CCUS1H104KC	CAP , CHIP	0
C641	CCUS1H104KC	CAP , CHIP	0
C642	CCUS1H104KC	CAP , CHIP	0
C643	CCUS1H104KC	CAP , CHIP	0

REF NO.	PART NO	DESCRIPTION	REMARK
AH / AHT Version MAIN PCB ASS'Y (COP11992C)			
C644	CCUS1H104KC	CAP , CHIP	0
C648	CCUS1H104KC	CAP , CHIP	0
C654	CCUS1H104KC	CAP , CHIP	0
C658	CCUS1H104KC	CAP , CHIP	0
C662	CCUS1H104KC	CAP , CHIP	0
C663	CCUS1H104KC	CAP , CHIP	0
C801	CCUS1H104KC	CAP , CHIP	0
C803	CCUS1H104KC	CAP , CHIP	0
C805	CCUS1H104KC	CAP , CHIP	0
C904	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF	
C905	CCUS1H104KC	CAP , CHIP	0
C906	CCUS1H102KC	CAP , CHIP	100
C907	CCUS1H102KC	CAP , CHIP	100
C908	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF	
C909	CCUS1H104KC	CAP , CHIP	0
C910	CCUS1H102KC	CAP , CHIP	100
C911	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF	
C912	CCUS1H104KC	CAP , CHIP	0
C913	CCUS1H102KC	CAP , CHIP	100
C914	CCUS1H102KC	CAP , CHIP	100
C915	CCUS1H102KC	CAP , CHIP	100
C916	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF	
C917	CCUS1H104KC	CAP , CHIP	0
C918	CCUS1H102KC	CAP , CHIP	100
C919	CCUS1H102KC	CAP , CHIP	100
C920	CCUS1H102KC	CAP , CHIP	100
C967	CCUS1H104KC	CAP , CHIP	0
IC56	BVIBA50BC0FP	I.C , REGULATOR CHIP (+5V)	BA50BC0FP-E2
IC64	CVIKIA1117S25	I.C , REGULATOR(SOT-223)	KIA1117S25-RTK/P
IC65	BVIBA18BC0FP	I.C , REGULATOR CHIP (1.8V)	BA18BC0FP-E2
IC66	BVIBA33BC0FP	I,C , REGULATOR(3.3V SMD Type)	ROHM 3.3V SMD
IC67	CVIKIA1117S33	I.C , REGULATOR(SOT-223)	KIA1117S/F33, SOT-22
L901	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
R157	CRJ10DJ472T	RES , CHIP	1608 SIZE
R159	CRJ10DJ472T	RES , CHIP	1608 SIZE
R471	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
	CIP11992CTSMD	MAIN PCB SMD TOP ASS'Y T535 US	
CN11	CJP24GA195ZM	SMT FFC/FPC WAFER(0.5MM PITCH)	52559-2472 (PB FREE)
C101	CCUS1H104KC	CAP , CHIP	0
C102	CCUS1H102KC	CAP , CHIP	100
C103	CCUS1H560JA	CAP , CHIP	5
C104	CCUS1H104KC	CAP , CHIP	0
C105	CCUS1H104KC	CAP , CHIP	0
C106	CCUS1H222KC	CAP , CHIP	220
C107	CCUS1H222KC	CAP , CHIP	220
C108	CCUS1H222KC	CAP , CHIP	220
C109	CCUS1H222KC	CAP , CHIP	220
C111	CCUS1H104KC	CAP , CHIP	0
C112	CCUS1H104KC	CAP , CHIP	0
C113	CCUS1H104KC	CAP , CHIP	0
C114	CCUS1H104KC	CAP , CHIP	0
C115	CCUS1H104KC	CAP , CHIP	0
C116	CCUS1H104KC	CAP , CHIP	0
C118	CCUS1H682KC	CAP , CHIP	680
C119	CCUS1H223KC	CAP , CHIP	0.02
C120	CCUS1H221JA	CAP , CHIP	22
C122	CCUS1H272KC	CAP , CHIP	270
C123	CCUS1H104KC	CAP , CHIP	0
C125	CCUS1H104KC	CAP , CHIP	0
C135	CCUS1H102KC	CAP , CHIP	100
C136	CCUS1H102KC	CAP , CHIP	100
C137	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
C138	CCUS1H102KC	CAP , CHIP	100

REF NO.	PART NO	DESCRIPTION	REMARK
AH / AHT Version MAIN PCB ASS'Y (COP11992C)			
C142	CCUS1H102KC	CAP , CHIP	100
C143	CCUS1H102KC	CAP , CHIP	100
C145	CCUS1H102KC	CAP , CHIP	100
C146	CCUS1H102KC	CAP , CHIP	100
C148	CCUS1H272KC	CAP , CHIP	270
C149	CCUS1H273KC	CAP , CHIP	0.02
C150	CCUS1H104KC	CAP , CHIP	0
C151	CCUS1H104KC	CAP , CHIP	0
C152	CCUS1H273KC	CAP , CHIP	0.02
C153	CCUS1H561JA	CAP , CHIP	56
C154	CCUS1H104KC	CAP , CHIP	0
C155	CCUS1H102KC	CAP , CHIP	100
C166	CCUS1H070DA	CAP , CHIP	
C170	CCUS1H102KC	CAP , CHIP	100
C174	CCUS1H104KC	CAP , CHIP	0
C205	CCUS1H104KC	CAP , CHIP	0
C206	CCUS1H103KC	CAP , CHIP	0
C207	CCUS1H104KC	CAP , CHIP	0
C224	CCUS1H104KC	CAP , CHIP	0
C226	CCUS1H080DA	CAP , CHIP	
C227	CCUS1H080DA	CAP , CHIP	
C229	CCUS1H104KC	CAP , CHIP	0
C230	CCUS1H104KC	CAP , CHIP	0
C231	CCUS1H104KC	CAP , CHIP	0
C232	CCUS1H104KC	CAP , CHIP	0
C233	CCUS1H104KC	CAP , CHIP	0
C234	CCUS1H104KC	CAP , CHIP	0
C251	CCSJB1A220B	CAP , CHIP TANTAL(B TYPE, 22uF	
C273	CCUS1H104KC	CAP , CHIP	0
C275	CCUS1H104KC	CAP , CHIP	0
C277	CCUS1H104KC	CAP , CHIP	0
C287	CCUS1H104KC	CAP , CHIP	0
C289	CCUS1H104KC	CAP , CHIP	0
C301	CCUS1H104KC	CAP , CHIP	0
C302	CCUS1H104KC	CAP , CHIP	0
C303	CCUS1H104KC	CAP , CHIP	0
C304	CCUS1H104KC	CAP , CHIP	0
C305	CCUS1H104KC	CAP , CHIP	0
C401	CCUS1H104KC	CAP , CHIP	0
C404	CCUS1H104KC	CAP , CHIP	0
C405	CCUS1H150JA	CAP , CHIP(15PF/50V)	1
C406	CCUS1H150JA	CAP , CHIP(15PF/50V)	1
C410	CCUS1H151JA	CAP , CHIP	15
C502	CCUS1H104KC	CAP , CHIP	0
C504	CCUS1H104KC	CAP , CHIP	0
C505	CCUS1H104KC	CAP , CHIP	0
C506	CCUS1H104KC	CAP , CHIP	0
C511	CCUS1H821JA	CAP , CHIP	82
C512	CCUS1H392KC	CAP , CHIP CERAMIC(1608, 3900p	390
C513	CCUS1H104KC	CAP , CHIP	0
C516	CCUS1H104KC	CAP , CHIP	0
C518	CCUS1H104KC	CAP , CHIP	0
C519	CCUS1A105KC	CAP , CHIP	
C521	CCUS1H104KC	CAP , CHIP	0
C524	CCUS1H104KC	CAP , CHIP	0
C525	CCUS1H104KC	CAP , CHIP	0
C526	CCUS1H104KC	CAP , CHIP	0
C527	CCUS1H104KC	CAP , CHIP	0
C529	CCUS1H104KC	CAP , CHIP	0
C530	CCUS1H104KC	CAP , CHIP	0
C531	CCUS1H104KC	CAP , CHIP	0
C534	CCUS1H560JA	CAP , CHIP	5
C535	CCUS1H104KC	CAP , CHIP	0

REF NO.	PART NO	DESCRIPTION	REMARK
AH / AHT Version MAIN PCB ASS'Y (COP11992C)			
C538	CCUS1H220JA	CAP , CHIP	2
C547	CCUS1H560JA	CAP , CHIP	5
C550	CCUS1H104KC	CAP , CHIP	0
C551	CCUS1H104KC	CAP , CHIP	0
C552	CCUS1H470JA	CAP , CHIP	4
C553	CCUS1H470JA	CAP , CHIP	4
C554	CCUS1H470JA	CAP , CHIP	4
C555	CCUS1H470JA	CAP , CHIP	4
C556	CCUS1H470JA	CAP , CHIP	4
C557	CCUS1H470JA	CAP , CHIP	4
C574	CCUS1H104KC	CAP , CHIP	0
C575	CCUS1H104KC	CAP , CHIP	0
C580	CCUS1H104KC	CAP , CHIP	0
C581	CCUS1H102KC	CAP , CHIP	100
C605	CCUS1H103KC	CAP , CHIP	0
C622	CCUS1H180JA	CAP , CHIP(18PF/50V)	1
C623	CCUS1H180JA	CAP , CHIP(18PF/50V)	1
C646	CCUS1H104KC	CAP , CHIP	0
C649	CCUS1H104KC	CAP , CHIP	0
C655	CCUS1H104KC	CAP , CHIP	0
C659	CCUS1H104KC	CAP , CHIP	0
C665	CCUS1H104KC	CAP , CHIP	0
C806	CCUS1H104KC	CAP , CHIP	0
C808	CCUS1H104KC	CAP , CHIP	0
C811	CCUS1H104KC	CAP , CHIP	0
C814	CCUS1H391JA	CAP , CHIP	39
C815	CCUS1H391JA	CAP , CHIP	39
C817	CCUS1H104KC	CAP , CHIP	0
C821	CCUS1H391JA	CAP , CHIP	39
C822	CCUS1H391JA	CAP , CHIP	39
C823	CCUS1H104KC	CAP , CHIP	0
C828	CCUS1H391JA	CAP , CHIP	39
C829	CCUS1H391JA	CAP , CHIP	39
C832	CCUS1H104KC	CAP , CHIP	0
C835	CCUS1H391JA	CAP , CHIP	39
C836	CCUS1H391JA	CAP , CHIP	39
C837	CCUS1H104KC	CAP , CHIP	0
C842	CCUS1H391JA	CAP , CHIP	39
C843	CCUS1H391JA	CAP , CHIP	39
C846	CCUS1H104KC	CAP , CHIP	0
C849	CCUS1H391JA	CAP , CHIP	39
C850	CCUS1H391JA	CAP , CHIP	39
C851	CCUS1H104KC	CAP , CHIP	0
C856	CCUS1H391JA	CAP , CHIP	39
C857	CCUS1H391JA	CAP , CHIP	39
C860	CCUS1H104KC	CAP , CHIP	0
C863	CCUS1H391JA	CAP , CHIP	39
C864	CCUS1H391JA	CAP , CHIP	39
C865	CCUS1H104KC	CAP , CHIP	0
C868	CCUS1H104KC	CAP , CHIP	0
C869	CCUS1H104KC	CAP , CHIP	0
C870	CCUS1H221JA	CAP , CHIP	22
C871	CCUS1H104KC	CAP , CHIP	0
C872	CCUS1H104KC	CAP , CHIP	0
C874	CCUS1H104KC	CAP , CHIP	0
C876	CCUS1H104KC	CAP , CHIP	0
C878	CCUS1H104KC	CAP , CHIP	0
C879	CCUS1H104KC	CAP , CHIP	0
C882	CCUS1H104KC	CAP , CHIP	0
C884	CCUS1H104KC	CAP , CHIP	0
C886	CCUS1H104KC	CAP , CHIP	0
C888	CCUS1H104KC	CAP , CHIP	0
C898	CCUS1H104KC	CAP , CHIP	0

REF NO.	PART NO	DESCRIPTION	REMARK
AH / AHT Version MAIN PCB ASS'Y (COP11992C)			
C900	CCUS1H104KC	CAP , CHIP	0
C902	CCUS1H104KC	CAP , CHIP	0
C903	CCUS1H102KC	CAP , CHIP	100
C923	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF	
C924	CCUS1H104KC	CAP , CHIP	0
C925	CCUS1H104KC	CAP , CHIP	0
C926	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF	
C927	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF	
C928	CCUS1H104KC	CAP , CHIP	0
C929	CCUS1H104KC	CAP , CHIP	0
C930	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF	
C931	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF	
C932	CCUS1H104KC	CAP , CHIP	0
C933	CCUS1H104KC	CAP , CHIP	0
C934	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF	
C935	CCUS1H104KC	CAP , CHIP	0
C936	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF	
C937	CCUS1H104KC	CAP , CHIP	0
C938	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF	
C948	CCSJA1C100B	CAP , CHIP TANTAL(A TYPE, 10uF	
C949	CCUS1H104KC	CAP , CHIP	0
C950	CCUS1H104KC	CAP , CHIP	0
C951	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF	
C952	CCSJA0J220B	CAP , CHIP TANTAL(A TYPE, 22uF	
D101	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11
D102	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11
D401	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11
D402	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11
D403	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11
D411	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11
D501	BVDDAN202K	DIODE , CHIP	DAN202K
D802	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11
D803	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11
D804	HVDRLS4148SR	DIODE, SWITCHING, SMD TYPE	RLS4148 TE-11
IC11	HVIZR36778	IC,MPEG (ZORAN)	
IC12	HVIM29W160ET70N	IC,16M FLASH (ST)	M29W160ET-70N6
IC13	HVIM12L64164A7T	IC, 64M SDRAM (4X16)	
IC14	CVIBR24L16FWE2	I.C , EEPROM 16K BR24L16F-WE2	BR24L16F-WE2
IC15	HVIKIC7SH08FU	HIGH SPEED 2 INPUT AND GATE (U	KIC7SH08FU-RTK
IC16	HVTHN1K05FU	MOS FET	HN1K05FU
IC17	HVIZR36707	IC,RF (ZORAN)	
IC18	HVIAM5888SLF	I. C , Motor Driver(AMtek,Pb f	AM5888S L/F
IC19	HVITL3472IDR	IC,OP AMP 8-SOIC (TI)	
IC20	HVISAA7893HLC2	IC,DSD DECODER (Philips)	SAA7893HL/C2 (PB FRE
IC21	HVIM12L64164A7T	IC, 64M SDRAM (4X16)	
IC22	CVIKIA1117S33	I.C , REGULATOR(SOT-223)	KIA1117S/F33, SOT-22
IC23	CVIKIA1117S33	I.C , REGULATOR(SOT-223)	KIA1117S/F33, SOT-22
IC24	BVIBA18BC0FP	I.C , REGULATOR CHIP (1.8V)	BA18BC0FP-E2
IC25	CVIKIA1117S33	I.C , REGULATOR(SOT-223)	KIA1117S/F33, SOT-22
IC26	BVIBA50BC0FP	I.C , REGULATOR CHIP (+5V)	BA50BC0FP-E2
IC27	HVIKIC7SH08FU	HIGH SPEED 2 INPUT AND GATE (U	KIC7SH08FU-RTK
IC28	HVIKIC7S66FU	i.c , SWITCH(USV PACKAGE)	KIC7S66FU-RTK/3
IC31	HVIST202EBW	IC , RS232C	ST202EBW
IC41	CVIST72F321BR9T6	I.C , FLASH U-COM	ST72F321B9T6
IC43	HVTHN1K05FU	MOS FET	HN1K05FU
IC51	CVIADV7320KSTZ	I.C , VIDEO ENCODER	
IC52	BVIBH7862FS	IC , 6CH VIDEO DRIVER	ROHM (BH7862FS)
IC54	HVIBU2098F	IC , I2C BUS	ROHM
IC55	HVITC74HCT7007F	I.C	TC74HC7007AFEL
IC61	CVIFLI2310LFCF	I/P CONVERTER, FLI2310-LF-CF	FLI2310-LF-CF
IC62	CVI57V643220TP6	I.C , 64M SDRAM, 6nS,86P TSOP	HY57V643220B 6NS
IC63	HVISN74AHC541PW	OCTAL BUFFERS IC(TSSOP-20 PKG)	SN74AHC541PWR
IC78	HVIKIC7SH08FU	HIGH SPEED 2 INPUT AND GATE (U	KIC7SH08FU-RTK

REF NO.	PART NO	DESCRIPTION	REMARK
AH / AHT Version MAIN PCB ASS'Y (COP11992C)			
IC81	HVICS4382-KQ	I.C , DAC	CS4382-KQ
IC82	HVIOPA2134UA	I.C , OP AMP	
IC83	HVIOPA2134UA	I.C , OP AMP	
IC84	HVIOPA2134UA	I.C , OP AMP	
IC85	HVIOPA2134UA	I.C , OP AMP	
IC86	HVI74LVC157ADBR	I.C , MULTIPLEXER	SN74LVC157A
IC87	HVIKIC7S66FU	i.c , SWITCH(USV PACKAGE)	KIC7S66FU-RTK/3
IC88	CVIKIA1117S50	I.C , REGULATOR(SOT-223)	KIA1117S50-RTK/P
IC89	CVIKIA1117S33	I.C , REGULATOR(SOT-223)	KIA1117S/F33, SOT-22
IC90	HVIKIC7SH08FU	HIGH SPEED 2 INPUT AND GATE (U	KIC7SH08FU-RTK
IC91	CVISII9030CTU7	I.C , HDMI TX	
IC92	CVIKIA1117S50	I.C , REGULATOR(SOT-223)	KIA1117S50-RTK/P
IC93	CVIKIA1117S18	I.C , REGULATOR(SOT-223)	KIA1117S/F18, SOT-22
IC94	CVIKIA1117S33	I.C , REGULATOR(SOT-223)	KIA1117S/F33, SOT-22
IC95	HVIKIC7SH08FU	HIGH SPEED 2 INPUT AND GATE (U	KIC7SH08FU-RTK
IC96	HVTHN1K05FU	MOS FET	HN1K05FU
IC98	HVIKIC7SZ08FU	I.C ,INPUT AND GATE (USV PACKA	KIC7SZ08FU-RTK
JK91	HJJ9H003Z	JACK , HDMI(JALCO)	YKF45-7009
L101	HLQ06E100KRZ	INDUCTOR , CHIP	3225 SIZE
L102	HLZ9R006Z	BEAD , CHIP	
L103	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L104	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L105	HLQ06E100KRZ	INDUCTOR , CHIP	3225 SIZE
L106	HLQ06E100KRZ	INDUCTOR , CHIP	3225 SIZE
L107	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L108	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L109	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L110	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L112	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L113	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L114	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L115	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L116	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L117	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L118	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L119	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L120	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L122	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L123	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L124	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L301	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L302	HLZ9R003Z	BEAD CHIP 2.2K(2012)	HB-1B2012-222
L303	HLZ9R003Z	BEAD CHIP 2.2K(2012)	HB-1B2012-222
L304	HLZ9R003Z	BEAD CHIP 2.2K(2012)	HB-1B2012-222
L305	HLZ9R003Z	BEAD CHIP 2.2K(2012)	HB-1B2012-222
L401	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L501	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L502	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L503	HLQ06E100KRZ	INDUCTOR , CHIP	3225 SIZE
L504	HLQ08ER68KRZ	CHIP FERRITE INDUCTOR	2012-R68UH
L505	HLQ08ER39KRZ	CHIP FERRITE INDUCTOR	2012-R39UH
L509	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L510	HLQ08ER68KRZ	CHIP FERRITE INDUCTOR	2012-R68UH
L515	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L516	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L601	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L603	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L604	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L605	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L607	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L608	CRJ18AJ0R0T	RES , CHIP	
L609	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A
L610	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A

REF NO.	PART NO	DESCRIPTION		REMARK
AH / AHT Version MAIN PCB ASS'Y (COP11992C)				
L611	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A	
L801	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A	
L802	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A	
L811	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A	
L812	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A	
L813	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A	
L814	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A	
L815	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A	
L902	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A	
L903	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A	
L905	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A	
L906	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A	
L907	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A	
L908	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A	
L909	HLZ9R001Z	FB, 2012(0805)600E, 1.5A,POWER	600E, 1.5A	
L910	CRJ102DJ390T	RES , CHIP 2 ARRAY	MNR12E0ABEJ 390	
L911	CRJ102DJ390T	RES , CHIP 2 ARRAY	MNR12E0ABEJ 390	
L912	CRJ102DJ390T	RES , CHIP 2 ARRAY	MNR12E0ABEJ 390	
L913	CRJ102DJ390T	RES , CHIP 2 ARRAY	MNR12E0ABEJ 390	
Q101	HVT2N3904SP	TR, CHIP (KEC)	2N3904S-RTK/PS	
Q102	HVT2N3904SP	TR, CHIP (KEC)	2N3904S-RTK/PS	
Q103	HVT2N3904SP	TR, CHIP (KEC)	2N3904S-RTK/PS	
Q104	HVTKTA1664YP	tr		
Q105	HVTKTA1664YP	tr		
Q401	HVTKRC107S	T.R , CHIP		
Q402	HVTKTA1504SYRTK	T.R , CHIP	KTA1504S Y RTK	
Q403	HVTKTC3875SYRTK	T.R , CHIP	KTC3875S Y RTK	
Q501	HVTKTA2014GR	T.R, SMD	TRPNPB-R2	
Q502	HVTKTA2014GR	T.R, SMD	TRPNPB-R2	
Q503	HVTKTA2014GR	T.R, SMD	TRPNPB-R2	
Q504	HVTKTA2014GR	T.R, SMD	TRPNPB-R2	
Q505	HVTKTA2014GR	T.R, SMD	TRPNPB-R2	
Q508	HVTKRC107S	T.R , CHIP		
Q509	HVTKTA2014GR	T.R, SMD	TRPNPB-R2	
Q510	HVTKRC107S	T.R , CHIP		
Q514	HVT2N3904SP	TR, CHIP (KEC)	2N3904S-RTK/PS	
Q801	HVTKRC107S	T.R , CHIP		
Q802	HVTKRA107ST	T.R , CHIP	KRA107S	
Q804	HVTKRA107ST	T.R , CHIP	KRA107S	
Q805	HVTKRA107ST	T.R , CHIP	KRA107S	
Q807	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	
Q808	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	
Q809	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	
Q810	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	
Q811	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	
Q812	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	
Q813	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	
Q814	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	
Q815	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	
Q816	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	
Q817	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	
Q818	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	
Q819	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	
Q820	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	
Q821	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	
Q822	HVTKTD1304T	T.R , CHIP (MUTE)	KTD1304	
Q823	HVT2N3904SP	TR, CHIP (KEC)	2N3904S-RTK/PS	
RN01	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN02	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN03	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN04	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN05	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	
RN06	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4	

REF NO.	PART NO	DESCRIPTION	REMARK
AH / AHT Version MAIN PCB ASS'Y (COP11992C)			
RN07	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4
RN08	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4
RN09	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4
RN10	CRJ104DJ101T	RES , CHIP NETWORK(1/16W, 100o	100R (1608)
RN11	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4
RN12	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4
RN15	CRJ104DJ101T	RES , CHIP NETWORK(1/16W, 100o	100R (1608)
RN16	CRJ104DJ101T	RES , CHIP NETWORK(1/16W, 100o	100R (1608)
RN17	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4
RN18	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4
RN19	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4
RN20	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4
RN21	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4
RN22	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4
RN23	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4
RN24	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4
RN25	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4
RN51	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4
RN52	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4
RN53	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4
RN54	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4
RN55	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4
RN56	CRJ104DJ0R0T	RES, ARRAY, 1608*4	
RN57	CRJ104DJ0R0T	RES, ARRAY, 1608*4	
RN61	CRJ104DJ103T	RES, ARRAY, 10K (1608)	10K(1608)
RN62	CRJ104DJ103T	RES, ARRAY, 10K (1608)	10K(1608)
RN63	CRJ104DJ103T	RES, ARRAY, 10K (1608)	10K(1608)
RN64	CRJ104DJ103T	RES, ARRAY, 10K (1608)	10K(1608)
RN65	CRJ104DJ103T	RES, ARRAY, 10K (1608)	10K(1608)
RN66	CRJ104DJ103T	RES, ARRAY, 10K (1608)	10K(1608)
RN67	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4
RN68	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4
RN69	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4
RN70	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4
RN71	CRJ104DJ0R0T	RES, ARRAY, 1608*4	
RN72	CRJ104DJ0R0T	RES, ARRAY, 1608*4	
RN73	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4
RN91	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4
RN92	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4
RN93	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4
RN94	CRJ104DJ330T	RES , 4ARRAY (1608*4)	33 OHM/1608*4
R101	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R102	CRJ10DJ332T	RES , CHIP	1608 SIZE
R103	CRJ10DJ332T	RES , CHIP	1608 SIZE
R104	CRJ10DJ332T	RES , CHIP	1608 SIZE
R105	CRJ10DJ472T	RES , CHIP	1608 SIZE
R106	CRJ10DJ472T	RES , CHIP	1608 SIZE
R107	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R108	CRJ10DJ472T	RES , CHIP	1608 SIZE
R109	CRJ10DJ113T	RES , CHIP	1608 SIZE
R110	CRJ10DJ103T	RES , CHIP	1608 SIZE
R111	CRJ10DJ105T	RES , CHIP	1608 SIZE
R112	CRJ10DJ223T	RES , CHIP	1608 SIZE
R113	CRJ10DJ223T	RES , CHIP	1608 SIZE
R114	CRJ10DJ332T	RES , CHIP	1608 SIZE
R115	CRJ10DJ562T	RES , CHIP	1608 SIZE
R116	CRJ10DJ562T	RES , CHIP	1608 SIZE
R117	CRJ10DJ562T	RES , CHIP	1608 SIZE
R118	CRJ10DJ622T	RES , CHIP	
R119	CRJ10DJ113T	RES , CHIP	1608 SIZE
R120	CRJ10DJ223T	RES , CHIP	1608 SIZE
R121	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R122	CRJ10DJ113T	RES , CHIP	1608 SIZE

REF NO.	PART NO	DESCRIPTION	REMARK
AH / AHT Version MAIN PCB ASS'Y (COP11992C)			
R123	CRJ10DJ273T	RES , CHIP	
R124	CRJ10DJ562T	RES , CHIP	1608 SIZE
R125	CRJ10DJ562T	RES , CHIP	1608 SIZE
R126	CRJ10DJ562T	RES , CHIP	1608 SIZE
R127	CRJ10DF4700T	RES, CHIP 470 OHM/1608/1%	
R128	CRJ10DJ103T	RES , CHIP	1608 SIZE
R129	CRJ10DF4700T	RES, CHIP 470 OHM/1608/1%	
R131	CRJ10DF1002T	RES , CHIP 1%	10K /1/10W/F
R132	CRJ10DF1002T	RES , CHIP 1%	10K /1/10W/F
R133	CRJ10DF1002T	RES , CHIP 1%	10K /1/10W/F
R134	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R135	CRJ10DJ100T	RES , CHIP	1608 SIZE
R136	CRJ10DJ221T	RES , CHIP	1608 SIZE
R137	CRJ10DJ221T	RES , CHIP	1608 SIZE
R138	CRJ10DJ100T	RES , CHIP	1608 SIZE
R139	CRJ10DJ472T	RES , CHIP	1608 SIZE
R140	CRJ10DJ133T	RES , CHIP	
R142	CRJ10DJ474T	RES , CHIP	1608 SIZE
R143	HLZ9R005Z	BEAD CHIP 60(1608 SIZE)	HH-1M1608-600
R145	CRJ10DJ912T	RES , CHIP	9.1K OHM/1608
R146	CRJ10DJ472T	RES , CHIP	1608 SIZE
R147	CRJ10DJ132T	RES , CHIP	1608 SIZE
R148	CRJ10DJ132T	RES , CHIP	1608 SIZE
R149	CRJ10DJ272T	RES , CHIP	1608 SIZE
R151	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R152	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R153	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R154	CRJ10DF1202T	RES , CHIP 1%	
R155	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R156	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R160	CRJ10DJ472T	RES , CHIP	1608 SIZE
R161	CRJ10DJ330T	RES , CHIP	1608 SIZE
R162	CRJ10DJ330T	RES , CHIP	1608 SIZE
R163	CRJ10DJ330T	RES , CHIP	1608 SIZE
R164	CRJ10DJ750T	RES , CHIP	1608 SIZE
R165	CRJ10DJ472T	RES , CHIP	1608 SIZE
R166	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R167	CRJ10DJ330T	RES , CHIP	1608 SIZE
R168	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R169	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R170	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R171	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R174	CRJ10DJ330T	RES , CHIP	1608 SIZE
R175	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R176	CRJ10DJ101T	RES , CHIP	1608 SIZE
R177	CRJ10DJ330T	RES , CHIP	1608 SIZE
R178	CRJ10DJ101T	RES , CHIP	1608 SIZE
R179	CRJ10DJ101T	RES , CHIP	1608 SIZE
R180	HLZ9R005Z	BEAD CHIP 60(1608 SIZE)	HH-1M1608-600
R181	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R182	CRJ10DJ750T	RES , CHIP	1608 SIZE
R183	CRJ10DJ750T	RES , CHIP	1608 SIZE
R184	CRJ10DJ471T	RES , CHIP	1608 SIZE
R185	CRJ10DJ330T	RES , CHIP	1608 SIZE
R186	CRJ10DJ330T	RES , CHIP	1608 SIZE
R187	CRJ10DJ182T	RES , CHIP	
R188	CRJ10DJ182T	RES , CHIP	
R189	CRJ10DF39R0T	CHIP RES, 1% 39 Ohm	
R190	CRJ10DF39R0T	CHIP RES, 1% 39 Ohm	
R191	CRJ10DF39R0T	CHIP RES, 1% 39 Ohm	
R192	CRJ10DF39R0T	CHIP RES, 1% 39 Ohm	
R193	CRJ10DF3920T	RES. CHIP (392R 1%)	1608 SIZE
R194	CRJ10DJ0R0T	RES , CHIP	1608 SIZE

REF NO.	PART NO	DESCRIPTION	REMARK
AH / AHT Version MAIN PCB ASS'Y (COP11992C)			
R195	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R196	CRJ10DJ121T	RES , CHIP	1608 SIZE
R197	CRJ10DJ121T	RES , CHIP	1608 SIZE
R198	CRJ10DJ121T	RES , CHIP	1608 SIZE
R199	CRJ10DJ121T	RES , CHIP	1608 SIZE
R200	CRJ10DJ330T	RES , CHIP	1608 SIZE
R201	CRJ10DJ332T	RES , CHIP	1608 SIZE
R202	CRJ10DJ123T	RES , CHIP	1608 SIZE
R203	CRJ10DJ221T	RES , CHIP	1608 SIZE
R204	CRJ10DJ121T	RES , CHIP	1608 SIZE
R205	CRJ10DJ103T	RES , CHIP	1608 SIZE
R206	CRJ10DJ472T	RES , CHIP	1608 SIZE
R207	CRJ10DJ330T	RES , CHIP	1608 SIZE
R208	CRJ10DJ330T	RES , CHIP	1608 SIZE
R209	CRJ10DJ330T	RES , CHIP	1608 SIZE
R210	CRJ10DJ330T	RES , CHIP	1608 SIZE
R211	CRJ10DJ330T	RES , CHIP	1608 SIZE
R212	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R213	CRJ10DJ330T	RES , CHIP	1608 SIZE
R214	CRJ10DJ104T	RES , CHIP	1608 SIZE
R216	CRJ10DJ182T	RES , CHIP	
R217	CRJ10DJ182T	RES , CHIP	
R218	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R219	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R220	HLZ9R005Z	BEAD CHIP 60(1608 SIZE)	HH-1M1608-600
R221	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R222	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R223	CRJ10DJ330T	RES , CHIP	1608 SIZE
R293	CRJ10DJ330T	RES , CHIP	1608 SIZE
R294	CRJ10DJ330T	RES , CHIP	1608 SIZE
R301	CRJ10DJ220T	RES , CHIP	1608 SIZE
R302	CRJ10DJ220T	RES , CHIP	1608 SIZE
R303	CRJ10DJ220T	RES , CHIP	1608 SIZE
R304	CRJ10DJ220T	RES , CHIP	1608 SIZE
R305	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R401	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R402	CRJ10DJ103T	RES , CHIP	1608 SIZE
R404	CRJ10DJ472T	RES , CHIP	1608 SIZE
R405	CRJ10DJ220T	RES , CHIP	1608 SIZE
R407	CRJ10DJ121T	RES , CHIP	1608 SIZE
R409	CRJ10DJ121T	RES , CHIP	1608 SIZE
R410	CRJ10DJ121T	RES , CHIP	1608 SIZE
R411	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R412	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R413	CRJ10DJ182T	RES , CHIP	
R414	CRJ10DJ182T	RES , CHIP	
R415	CRJ10DJ105T	RES , CHIP	1608 SIZE
R416	CRJ10DJ472T	RES , CHIP	1608 SIZE
R417	CRJ10DJ472T	RES , CHIP	1608 SIZE
R418	CRJ10DJ472T	RES , CHIP	1608 SIZE
R423	CRJ10DJ220T	RES , CHIP	1608 SIZE
R424	CRJ10DJ220T	RES , CHIP	1608 SIZE
R425	CRJ10DJ100T	RES , CHIP	1608 SIZE
R426	CRJ10DJ103T	RES , CHIP	1608 SIZE
R427	CRJ10DJ103T	RES , CHIP	1608 SIZE
R428	CRJ10DJ103T	RES , CHIP	1608 SIZE
R429	CRJ10DJ103T	RES , CHIP	1608 SIZE
R430	CRJ10DJ473T	RES , CHIP	1608 SIZE
R431	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R432	CRJ10DJ103T	RES , CHIP	1608 SIZE
R434	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R453	CRJ10DJ103T	RES , CHIP	1608 SIZE
R499	CRJ10DJ0R0T	RES , CHIP	1608 SIZE

REF NO.	PART NO	DESCRIPTION	REMARK
AH / AHT Version MAIN PCB ASS'Y (COP11992C)			
R501	CRJ10DJ472T	RES , CHIP	1608 SIZE
R503	CRJ10DJ330T	RES , CHIP	1608 SIZE
R504	CRJ10DJ330T	RES , CHIP	1608 SIZE
R505	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R506	CRJ10DJ472T	RES , CHIP	1608 SIZE
R507	HLZ9R005Z	BEAD CHIP 60(1608 SIZE)	HH-1M1608-600
R508	CRJ10DJ391T	RES , CHIP	
R509	CRJ10DJ272T	RES , CHIP	1608 SIZE
R510	CRJ10DJ101T	RES , CHIP	1608 SIZE
R511	CRJ10DJ681T	RES , CHIP	1608 SIZE
R512	CRJ10DJ682T	RES , CHIP	1608 SIZE
R513	CRJ10DJ682T	RES , CHIP	1608 SIZE
R515	CRJ10DJ272T	RES , CHIP	1608 SIZE
R516	CRJ10DJ391T	RES , CHIP	
R519	CRJ10DJ182T	RES , CHIP	
R520	CRJ10DJ101T	RES , CHIP	1608 SIZE
R521	CRJ10DJ681T	RES , CHIP	1608 SIZE
R522	CRJ10DJ561T	RES , CHIP	
R523	CRJ10DJ182T	RES , CHIP	
R524	CRJ10DJ101T	RES , CHIP	1608 SIZE
R525	CRJ10DJ681T	RES , CHIP	1608 SIZE
R526	CRJ10DJ561T	RES , CHIP	
R527	CRJ10DJ182T	RES , CHIP	
R528	CRJ10DJ101T	RES , CHIP	1608 SIZE
R529	CRJ10DJ681T	RES , CHIP	1608 SIZE
R530	CRJ10DJ561T	RES , CHIP	
R531	CRJ10DJ182T	RES , CHIP	
R532	CRJ10DJ101T	RES , CHIP	1608 SIZE
R533	CRJ10DJ681T	RES , CHIP	1608 SIZE
R534	CRJ10DJ561T	RES , CHIP	
R535	CRJ10DJ182T	RES , CHIP	
R536	CRJ10DJ101T	RES , CHIP	1608 SIZE
R537	CRJ10DJ681T	RES , CHIP	1608 SIZE
R538	CRJ10DJ561T	RES , CHIP	
R541	CRJ10DJ472T	RES , CHIP	1608 SIZE
R544	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R545	CRJ10DJ750T	RES , CHIP	1608 SIZE
R546	CRJ10DJ750T	RES , CHIP	1608 SIZE
R547	CRJ10DJ750T	RES , CHIP	1608 SIZE
R548	CRJ10DJ820T	RES , CHIP	1608 SIZE
R549	CRJ10DJ820T	RES , CHIP	1608 SIZE
R550	CRJ10DJ750T	RES , CHIP	1608 SIZE
R551	CRJ10DJ820T	RES , CHIP	1608 SIZE
R569	CRJ10DJ223T	RES , CHIP	1608 SIZE
R570	CRJ10DJ102T	RES , CHIP	1608 SIZE
R571	CRJ10DJ103T	RES , CHIP	1608 SIZE
R572	CRJ10DJ392T	RES , CHIP	
R573	CRJ10DJ392T	RES , CHIP	
R574	CRJ10DJ472T	RES , CHIP	1608 SIZE
R575	CRJ10DJ472T	RES , CHIP	1608 SIZE
R576	CRJ10DJ472T	RES , CHIP	1608 SIZE
R577	CRJ10DJ472T	RES , CHIP	1608 SIZE
R578	CRJ10DJ472T	RES , CHIP	1608 SIZE
R579	CRJ10DJ472T	RES , CHIP	1608 SIZE
R580	CRJ10DJ472T	RES , CHIP	1608 SIZE
R581	CRJ10DJ472T	RES , CHIP	1608 SIZE
R582	CRJ10DJ472T	RES , CHIP	1608 SIZE
R583	CRJ10DJ330T	RES , CHIP	1608 SIZE
R584	CRJ10DJ330T	RES , CHIP	1608 SIZE
R585	CRJ10DJ472T	RES , CHIP	1608 SIZE
R586	CRJ10DJ330T	RES , CHIP	1608 SIZE
R587	CRJ10DJ330T	RES , CHIP	1608 SIZE
R589	CRJ10DJ472T	RES , CHIP	1608 SIZE

REF NO.	PART NO	DESCRIPTION	REMARK
AH / AHT Version MAIN PCB ASS'Y (COP11992C)			
R590	CRJ10DJ472T	RES , CHIP	1608 SIZE
R591	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R592	CRJ10DJ220T	RES , CHIP	1608 SIZE
R593	CRJ10DJ220T	RES , CHIP	1608 SIZE
R594	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R595	CRJ10DJ471T	RES , CHIP	1608 SIZE
R596	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R597	CRJ10DJ103T	RES , CHIP	1608 SIZE
R598	CRJ10DJ471T	RES , CHIP	1608 SIZE
R599	CRJ10DJ103T	RES , CHIP	1608 SIZE
R601	CRJ10DJ103T	RES , CHIP	1608 SIZE
R602	CRJ10DJ103T	RES , CHIP	1608 SIZE
R603	CRJ10DJ103T	RES , CHIP	1608 SIZE
R604	CRJ10DJ103T	RES , CHIP	1608 SIZE
R605	CRJ10DJ103T	RES , CHIP	1608 SIZE
R606	CRJ10DJ103T	RES , CHIP	1608 SIZE
R607	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R608	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R609	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R610	CRJ10DJ330T	RES , CHIP	1608 SIZE
R611	CRJ10DJ330T	RES , CHIP	1608 SIZE
R612	CRJ10DJ102T	RES , CHIP	1608 SIZE
R613	CRJ10DJ330T	RES , CHIP	1608 SIZE
R614	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R620	CRJ10DJ330T	RES , CHIP	1608 SIZE
R621	CRJ10DJ330T	RES , CHIP	1608 SIZE
R622	CRJ10DJ472T	RES , CHIP	1608 SIZE
R623	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R624	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R625	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R626	CRJ10DJ105T	RES , CHIP	1608 SIZE
R627	HLZ9R005Z	BEAD CHIP 60(1608 SIZE)	HH-1M1608-600
R628	CRJ10DJ330T	RES , CHIP	1608 SIZE
R629	CRJ10DJ330T	RES , CHIP	1608 SIZE
R631	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R632	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R634	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R635	CRJ10DJ330T	RES , CHIP	1608 SIZE
R636	CRJ10DJ330T	RES , CHIP	1608 SIZE
R637	CRJ10DJ471T	RES , CHIP	1608 SIZE
R639	CRJ10DJ330T	RES , CHIP	1608 SIZE
R644	CRJ10DJ330T	RES , CHIP	1608 SIZE
R645	CRJ10DJ330T	RES , CHIP	1608 SIZE
R646	CRJ10DJ472T	RES , CHIP	1608 SIZE
R647	CRJ10DJ330T	RES , CHIP	1608 SIZE
R650	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R651	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R652	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R655	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R656	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R662	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R663	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R665	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R750	CRJ10DJ750T	RES , CHIP	1608 SIZE
R751	CRJ10DJ680T	RES , CHIP	
R752	CRJ10DJ121T	RES , CHIP	1608 SIZE
R753	CRJ10DJ820T	RES , CHIP	1608 SIZE
R754	CRJ10DJ4R7T	RES , CHIP	1608 SIZE
R755	CRJ10DJ223T	RES , CHIP	1608 SIZE
R771	CRJ10DJ472T	RES , CHIP	1608 SIZE
R772	CRJ10DJ472T	RES , CHIP	1608 SIZE
R773	CRJ10DJ472T	RES , CHIP	1608 SIZE
R774	CRJ10DJ472T	RES , CHIP	1608 SIZE

REF NO.	PART NO	DESCRIPTION	REMARK
AH / AHT Version MAIN PCB ASS'Y (COP11992C)			
R775	CRJ10DJ101T	RES , CHIP	1608 SIZE
R776	CRJ10DJ221T	RES , CHIP	1608 SIZE
R777	CRJ10DJ474T	RES , CHIP	1608 SIZE
R778	CRJ10DJ223T	RES , CHIP	1608 SIZE
R779	CRJ10DJ224T	RES , CHIP	
R781	CRJ10DJ224T	RES , CHIP	
R783	CRJ10DJ224T	RES , CHIP	
R784	CRJ10DJ472T	RES , CHIP	1608 SIZE
R785	CRJ10DJ472T	RES , CHIP	1608 SIZE
R786	CRJ10DJ472T	RES , CHIP	1608 SIZE
R787	CRJ10DJ472T	RES , CHIP	1608 SIZE
R788	CRJ10DJ472T	RES , CHIP	1608 SIZE
R789	CRJ10DJ472T	RES , CHIP	1608 SIZE
R790	CRJ10DJ472T	RES , CHIP	1608 SIZE
R791	CRJ10DJ472T	RES , CHIP	1608 SIZE
R792	CRJ10DJ472T	RES , CHIP	1608 SIZE
R793	CRJ10DJ472T	RES , CHIP	1608 SIZE
R794	CRJ10DJ472T	RES , CHIP	1608 SIZE
R795	CRJ10DJ472T	RES , CHIP	1608 SIZE
R796	CRJ10DJ330T	RES , CHIP	1608 SIZE
R797	CRJ10DJ330T	RES , CHIP	1608 SIZE
R798	CRJ10DJ330T	RES , CHIP	1608 SIZE
R799	CRJ10DJ332T	RES , CHIP	1608 SIZE
R801	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R802	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R803	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R804	CRJ10DJ330T	RES , CHIP	1608 SIZE
R805	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R806	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R807	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R808	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R809	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R810	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R811	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R812	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R813	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R814	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R815	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R816	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R817	CRJ10DJ132T	RES , CHIP	1608 SIZE
R818	CRJ10DJ132T	RES , CHIP	1608 SIZE
R819	CRJ10DJ132T	RES , CHIP	1608 SIZE
R820	CRJ10DJ132T	RES , CHIP	1608 SIZE
R821	CRJ10DJ332T	RES , CHIP	1608 SIZE
R822	CRJ10DJ332T	RES , CHIP	1608 SIZE
R823	CRJ10DJ102T	RES , CHIP	1608 SIZE
R824	CRJ10DJ102T	RES , CHIP	1608 SIZE
R825	CRJ10DJ221T	RES , CHIP	1608 SIZE
R826	CRJ10DJ104T	RES , CHIP	1608 SIZE
R827	CRJ10DJ132T	RES , CHIP	1608 SIZE
R828	CRJ10DJ132T	RES , CHIP	1608 SIZE
R829	CRJ10DJ132T	RES , CHIP	1608 SIZE
R830	CRJ10DJ132T	RES , CHIP	1608 SIZE
R831	CRJ10DJ332T	RES , CHIP	1608 SIZE
R832	CRJ10DJ102T	RES , CHIP	1608 SIZE
R833	CRJ10DJ102T	RES , CHIP	1608 SIZE
R834	CRJ10DJ332T	RES , CHIP	1608 SIZE
R835	CRJ10DJ221T	RES , CHIP	1608 SIZE
R836	CRJ10DJ104T	RES , CHIP	1608 SIZE
R837	CRJ10DJ132T	RES , CHIP	1608 SIZE
R838	CRJ10DJ132T	RES , CHIP	1608 SIZE
R839	CRJ10DJ132T	RES , CHIP	1608 SIZE
R840	CRJ10DJ132T	RES , CHIP	1608 SIZE

REF NO.	PART NO	DESCRIPTION	REMARK
AH / AHT Version MAIN PCB ASS'Y (COP11992C)			
R841	CRJ10DJ332T	RES , CHIP	1608 SIZE
R842	CRJ10DJ332T	RES , CHIP	1608 SIZE
R843	CRJ10DJ102T	RES , CHIP	1608 SIZE
R844	CRJ10DJ102T	RES , CHIP	1608 SIZE
R845	CRJ10DJ221T	RES , CHIP	1608 SIZE
R846	CRJ10DJ104T	RES , CHIP	1608 SIZE
R847	CRJ10DJ132T	RES , CHIP	1608 SIZE
R848	CRJ10DJ132T	RES , CHIP	1608 SIZE
R849	CRJ10DJ132T	RES , CHIP	1608 SIZE
R850	CRJ10DJ132T	RES , CHIP	1608 SIZE
R851	CRJ10DJ332T	RES , CHIP	1608 SIZE
R852	CRJ10DJ102T	RES , CHIP	1608 SIZE
R853	CRJ10DJ102T	RES , CHIP	1608 SIZE
R854	CRJ10DJ332T	RES , CHIP	1608 SIZE
R855	CRJ10DJ221T	RES , CHIP	1608 SIZE
R856	CRJ10DJ104T	RES , CHIP	1608 SIZE
R857	CRJ10DJ132T	RES , CHIP	1608 SIZE
R858	CRJ10DJ132T	RES , CHIP	1608 SIZE
R859	CRJ10DJ132T	RES , CHIP	1608 SIZE
R860	CRJ10DJ132T	RES , CHIP	1608 SIZE
R861	CRJ10DJ332T	RES , CHIP	1608 SIZE
R862	CRJ10DJ102T	RES , CHIP	1608 SIZE
R863	CRJ10DJ102T	RES , CHIP	1608 SIZE
R864	CRJ10DJ332T	RES , CHIP	1608 SIZE
R865	CRJ10DJ221T	RES , CHIP	1608 SIZE
R866	CRJ10DJ104T	RES , CHIP	1608 SIZE
R867	CRJ10DJ132T	RES , CHIP	1608 SIZE
R868	CRJ10DJ132T	RES , CHIP	1608 SIZE
R869	CRJ10DJ132T	RES , CHIP	1608 SIZE
R870	CRJ10DJ132T	RES , CHIP	1608 SIZE
R871	CRJ10DJ332T	RES , CHIP	1608 SIZE
R872	CRJ10DJ102T	RES , CHIP	1608 SIZE
R873	CRJ10DJ102T	RES , CHIP	1608 SIZE
R874	CRJ10DJ332T	RES , CHIP	1608 SIZE
R875	CRJ10DJ221T	RES , CHIP	1608 SIZE
R876	CRJ10DJ104T	RES , CHIP	1608 SIZE
R877	CRJ10DJ132T	RES , CHIP	1608 SIZE
R878	CRJ10DJ132T	RES , CHIP	1608 SIZE
R879	CRJ10DJ132T	RES , CHIP	1608 SIZE
R880	CRJ10DJ132T	RES , CHIP	1608 SIZE
R881	CRJ10DJ332T	RES , CHIP	1608 SIZE
R882	CRJ10DJ332T	RES , CHIP	1608 SIZE
R883	CRJ10DJ102T	RES , CHIP	1608 SIZE
R884	CRJ10DJ102T	RES , CHIP	1608 SIZE
R885	CRJ10DJ221T	RES , CHIP	1608 SIZE
R886	CRJ10DJ104T	RES , CHIP	1608 SIZE
R887	CRJ10DJ132T	RES , CHIP	1608 SIZE
R888	CRJ10DJ132T	RES , CHIP	1608 SIZE
R889	CRJ10DJ132T	RES , CHIP	1608 SIZE
R890	CRJ10DJ132T	RES , CHIP	1608 SIZE
R891	CRJ10DJ332T	RES , CHIP	1608 SIZE
R892	CRJ10DJ102T	RES , CHIP	1608 SIZE
R893	CRJ10DJ102T	RES , CHIP	1608 SIZE
R894	CRJ10DJ332T	RES , CHIP	1608 SIZE
R895	CRJ10DJ221T	RES , CHIP	1608 SIZE
R896	CRJ10DJ104T	RES , CHIP	1608 SIZE
R897	CRJ10DJ221T	RES , CHIP	1608 SIZE
R898	CRJ10DJ221T	RES , CHIP	1608 SIZE
R899	CRJ10DJ221T	RES , CHIP	1608 SIZE
R900	CRJ10DJ221T	RES , CHIP	1608 SIZE
R901	CRJ10DJ330T	RES , CHIP	1608 SIZE
R902	CRJ10DJ330T	RES , CHIP	1608 SIZE
R903	CRJ10DJ0R0T	RES , CHIP	1608 SIZE

REF NO.	PART NO	DESCRIPTION	REMARK
AH / AHT Version MAIN PCB ASS'Y (COP11992C)			
R904	CRJ10DJ330T	RES , CHIP	1608 SIZE
R905	CRJ10DJ330T	RES , CHIP	1608 SIZE
R906	CRJ10DJ330T	RES , CHIP	1608 SIZE
R907	CRJ10DJ330T	RES , CHIP	1608 SIZE
R908	CRJ10DJ330T	RES , CHIP	1608 SIZE
R909	CRJ10DJ330T	RES , CHIP	1608 SIZE
R910	CRJ10DJ330T	RES , CHIP	1608 SIZE
R911	CRJ10DJ330T	RES , CHIP	1608 SIZE
R912	CRJ10DJ472T	RES , CHIP	1608 SIZE
R913	CRJ10DF4700T	RES, CHIP 470 OHM/1608/1%	
R915	CRJ10DJ103T	RES , CHIP	1608 SIZE
R916	CRJ10DJ101T	RES , CHIP	1608 SIZE
R917	CRJ10DJ101T	RES , CHIP	1608 SIZE
R918	CRJ10DJ103T	RES , CHIP	1608 SIZE
R919	CRJ10DJ473T	RES , CHIP	1608 SIZE
R920	CRJ10DJ330T	RES , CHIP	1608 SIZE
R921	CRJ10DJ330T	RES , CHIP	1608 SIZE
R923	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R924	CRJ10DJ472T	RES , CHIP	1608 SIZE
R925	CRJ10DJ472T	RES , CHIP	1608 SIZE
R926	CRJ10DJ182T	RES , CHIP	
R927	CRJ10DJ182T	RES , CHIP	
R928	CRJ10DJ391T	RES , CHIP	
R929	CRJ10DJ330T	RES , CHIP	1608 SIZE
R930	CRJ10DJ330T	RES , CHIP	1608 SIZE
R931	CRJ10DJ330T	RES , CHIP	1608 SIZE
R932	CRJ10DJ330T	RES , CHIP	1608 SIZE
R933	CRJ10DJ330T	RES , CHIP	1608 SIZE
R934	CRJ10DJ330T	RES , CHIP	1608 SIZE
R935	CRJ10DJ101T	RES , CHIP	1608 SIZE
R937	CRJ10DJ472T	RES , CHIP	1608 SIZE
R938	CRJ10DJ472T	RES , CHIP	1608 SIZE
R939	CRJ10DJ330T	RES , CHIP	1608 SIZE
R940	CRJ10DJ330T	RES , CHIP	1608 SIZE
R941	CRJ10DJ330T	RES , CHIP	1608 SIZE
R943	CRJ10DJ330T	RES , CHIP	1608 SIZE
R944	CRJ10DJ330T	RES , CHIP	1608 SIZE
R980	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R981	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R996	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R997	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R998	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
R999	CRJ10DJ0R0T	RES , CHIP	1608 SIZE
X101	HOX27000E180S	CRYSTAL , CHIP(27MHZ,SMD)	HC-49/US
X601	COX13500E160S	X'TAL (13.5MHz) 16p	
C235	CCEA1CH101T	CAP , ELECT	100UF 16V
C237	CCEA1EH470T	CAP , ELECT	47UF 25V
C238	CCEA1EH470T	CAP , ELECT	47UF 25V
C239	CCEA1HH4R7T	CAP , ELECT	4.7UF 50V
C240	CCEA1CH101T	CAP , ELECT	100UF 16V
C241	CCEA1CH101T	CAP , ELECT	100UF 16V
C242	CCEA1EH470T	CAP , ELECT	47UF 25V
C243	CCEA1EH221T	CAP , ELECT	220UF 25V
C244	CCEA1EH470T	CAP , ELECT	47UF 25V
C245	CCEA1EH470T	CAP , ELECT	47UF 25V
C246	CCEA1HH220T	CAP , ELECT	22UF 50V
C247	CCEA1EH470T	CAP , ELECT	47UF 25V
C250	CCEA1EH470T	CAP , ELECT	47UF 25V
C252	CCEA1CH101T	CAP , ELECT	100UF 16V
C253	CCEA1CH101T	CAP , ELECT	100UF 16V
C254	CCEA1CH101T	CAP , ELECT	100UF 16V
C255	CCEA1CH101T	CAP , ELECT	100UF 16V
C256	CCEA1EH470T	CAP , ELECT	47UF 25V

REF NO.	PART NO	DESCRIPTION	REMARK
AH / AHT Version MAIN PCB ASS'Y (COP11992C)			
C257	CCEA1EH470T	CAP , ELECT	47UF 25V
C258	CCEA1EH470T	CAP , ELECT	47UF 25V
C259	CCEA1EH470T	CAP , ELECT	47UF 25V
C260	CCEA1EH470T	CAP , ELECT	47UF 25V
C261	CCEA1EH470T	CAP , ELECT	47UF 25V
C262	CCEA1CH101T	CAP , ELECT	100UF 16V
C263	CCEA1CH101T	CAP , ELECT	100UF 16V
C264	CCEA1CH101T	CAP , ELECT	100UF 16V
C265	CCEA1CH101T	CAP , ELECT	100UF 16V
C266	CCEA1CH101T	CAP , ELECT	100UF 16V
C267	CCEA1CH101T	CAP , ELECT	100UF 16V
C268	CCEA1CH101T	CAP , ELECT	100UF 16V
C270	CCEA1EH470T	CAP , ELECT	47UF 25V
C271	CCEA1EH470T	CAP , ELECT	47UF 25V
C272	CCEA1CH101T	CAP , ELECT	100UF 16V
C274	CCEA1CH101T	CAP , ELECT	100UF 16V
C276	CCEA1CH101T	CAP , ELECT	100UF 16V
C278	CCEA1CH101T	CAP , ELECT	100UF 16V
C288	CCEA1CH101T	CAP , ELECT	100UF 16V
C306	CCEA1EH470T	CAP , ELECT	47UF 25V
C402	CCEA1EH470T	CAP , ELECT	47UF 25V
C407	CCEA1HH1R0T	CAP , ELECT	1UF 50V
C408	CCEA1HH100T	CAP , ELECT	10UF 50V
C409	CCEA1HH4R7T	CAP , ELECT	4.7UF 50V
C501	CCEA1CH101T	CAP , ELECT	100UF 16V
C503	CCEA1CH101T	CAP , ELECT	100UF 16V
C517	CCEA1CH101T	CAP , ELECT	100UF 16V
C523	CCEA1CH101T	CAP , ELECT	100UF 16V
C528	CCEA1CH101T	CAP , ELECT	100UF 16V
C532	CCEA1CH221T	CAP , ELECT	220UF 16V
C536	CCEA1HH1R0T	CAP , ELECT	1UF 50V
C537	CCEA1HH1R0T	CAP , ELECT	1UF 50V
C539	CCEA1EH470T	CAP , ELECT	47UF 25V
C540	CCEA1EH470T	CAP , ELECT	47UF 25V
C541	CCEA1AH331T	CAP , ELECT	330UF 10V
C542	CCEA1AH331T	CAP , ELECT	330UF 10V
C543	CCEA1HH220T	CAP , ELECT	22UF 50V
C544	CCEA1CH101T	CAP , ELECT	100UF 16V
C545	CCEA1HH220T	CAP , ELECT	22UF 50V
C546	CCEA1CH101T	CAP , ELECT	100UF 16V
C548	CCEA1CH101T	CAP , ELECT	100UF 16V
C549	CCEA1AH331T	CAP , ELECT	330UF 10V
C573	CCEA1CH101T	CAP , ELECT	100UF 16V
C577	CCEA1CH221T	CAP , ELECT	220UF 16V
C578	CCEA1CH221T	CAP , ELECT	220UF 16V
C606	CCEA1CH101T	CAP , ELECT	100UF 16V
C617	CCEA1CH101T	CAP , ELECT	100UF 16V
C624	CCEA1HH220T	CAP , ELECT	22UF 50V
C625	CCEA1CH101T	CAP , ELECT	100UF 16V
C628	CCEA1HH220T	CAP , ELECT	22UF 50V
C629	CCEA1CH101T	CAP , ELECT	100UF 16V
C638	CCEA1CH101T	CAP , ELECT	100UF 16V
C645	CCEA1CH101T	CAP , ELECT	100UF 16V
C647	CCEA1CH221T	CAP , ELECT	220UF 16V
C650	CCEA1CH221T	CAP , ELECT	220UF 16V
C653	CCEA1CH221T	CAP , ELECT	220UF 16V
C656	CCEA1CH221T	CAP , ELECT	220UF 16V
C660	CCEA1CH221T	CAP , ELECT	220UF 16V
C661	CCEA1CH221T	CAP , ELECT	220UF 16V
C664	CCEA1CH221T	CAP , ELECT	220UF 16V
C666	CCEA1EH470T	CAP , ELECT	47UF 25V
C667	CCEA1CH221T	CAP , ELECT	220UF 16V
C802	CCEA1CH101T	CAP , ELECT	100UF 16V

REF NO.	PART NO	DESCRIPTION	REMARK
AH / AHT Version MAIN PCB ASS'Y (COP11992C)			
C804	CCEA1HH100T	CAP , ELECT	10UF 50V
C807	CCEA1EH470T	CAP , ELECT	47UF 25V
C809	CCEA1HH1R0T	CAP , ELECT	1UF 50V
C810	CCEA1CH101T	CAP , ELECT	100UF 16V
C812	HCQI1H222JZT	CAP , MYLAR	220
C813	HCQI1H222JZT	CAP , MYLAR	220
C816	CCEA1CH221T	CAP , ELECT	220UF 16V
C818	HCEA1CR470T	ELECT , CAP (ELNA/ROS)	
C819	HCQI1H222JZT	CAP , MYLAR	220
C820	HCQI1H222JZT	CAP , MYLAR	220
C824	CCEA1CH221T	CAP , ELECT	220UF 16V
C825	HCEA1CR470T	ELECT , CAP (ELNA/ROS)	
C826	HCQI1H222JZT	CAP , MYLAR	220
C827	HCQI1H222JZT	CAP , MYLAR	220
C830	HCEA1CR470T	ELECT , CAP (ELNA/ROS)	
C831	CCEA1CH221T	CAP , ELECT	220UF 16V
C833	HCQI1H222JZT	CAP , MYLAR	220
C834	HCQI1H222JZT	CAP , MYLAR	220
C838	CCEA1CH221T	CAP , ELECT	220UF 16V
C839	HCEA1CR470T	ELECT , CAP (ELNA/ROS)	
C840	HCQI1H222JZT	CAP , MYLAR	220
C841	HCQI1H222JZT	CAP , MYLAR	220
C844	HCEA1CR470T	ELECT , CAP (ELNA/ROS)	
C845	CCEA1CH221T	CAP , ELECT	220UF 16V
C847	HCQI1H222JZT	CAP , MYLAR	220
C848	HCQI1H222JZT	CAP , MYLAR	220
C852	CCEA1CH221T	CAP , ELECT	220UF 16V
C853	HCEA1CR470T	ELECT , CAP (ELNA/ROS)	
C854	HCQI1H222JZT	CAP , MYLAR	220
C855	HCQI1H222JZT	CAP , MYLAR	220
C858	HCEA1CR470T	ELECT , CAP (ELNA/ROS)	
C859	CCEA1CH221T	CAP , ELECT	220UF 16V
C861	HCQI1H222JZT	CAP , MYLAR	220
C862	HCQI1H222JZT	CAP , MYLAR	220
C866	CCEA1CH221T	CAP , ELECT	220UF 16V
C867	HCEA1CR470T	ELECT , CAP (ELNA/ROS)	
C873	CCEA1CH221T	CAP , ELECT	220UF 16V
C875	CCEA1CH221T	CAP , ELECT	220UF 16V
C877	CCEA1CH221T	CAP , ELECT	220UF 16V
C880	CCEA1CH221T	CAP , ELECT	220UF 16V
C881	CCEA1EH221T	CAP , ELECT	220UF 25V
C883	CCEA1EH221T	CAP , ELECT	220UF 25V
C885	CCEA1CH221T	CAP , ELECT	220UF 16V
C887	CCEA1CH221T	CAP , ELECT	220UF 16V
C895	CCEA1CH221T	CAP , ELECT	220UF 16V
C896	CCEA1HH0R1T	CAP , ELECT	0.1UF 50V
C897	CCEA1CH101T	CAP , ELECT	100UF 16V
C901	CCEA1CH101T	CAP , ELECT	100UF 16V
C922	CCEA1CH101T	CAP , ELECT	100UF 16V
D106	CVD1N4003SRT	DIODE , RECT	1N4003
D107	CVD1N4003SRT	DIODE , RECT	1N4003
Q806	HVTKSA916YT	T.R	
BN42	CWB1C914180EN	WIRE ASS'Y 14P 180mm (BOARD-IN	
BN45	CWZDVDS1700BN45	SHIELD WIRE ASS'Y (4P, 230mm)	4P 230MM SHIELD H-H
CN02	CJP07GA01ZY	WAFER, STRAIGHT, 7PIN	
CN12	CJP05GA19ZY	WAFER, STRAIGHT, 5PIN	
CN13	CJP06GA19ZY	WAFER , STRAIGHT DVD LOADER	
CX41	CJP17GA117ZY	WAFER	
ET10	CMC1A111	PLATE , EARTH	
IC57	HVIPC17L1CB	I.C , PHOTO COUPLER	
IC79	HVIKIA7809API	I.C , REGULATOR +9V	KIA7809 (KEC)
IC80	HVIKIA7909PI	IC , REGULATOR (-9V)	
JK31	CJJ9W001Z	9P D-SUB FEMALE(RS-232C) SEMCO	

REF NO.	PART NO	DESCRIPTION	REMARK
AH / AHT Version MAIN PCB ASS'Y (COP11992C)			
JK51	CJJ9N006Z	JACK (S-VIDEO + CVBS) GOLD, 2P	
JK52	CJJ4S014Z	JACK , IN/OUT (R.G.B)	RCA-305AG-06
JK55	CJJ2D008Z	JACK , STEREO	
JK81	CJJ4P019Y	JACK , BOARD	GOLD , PLATE
JK82	CJJ4P019Y	JACK , BOARD	GOLD , PLATE
JK83	CJS9U011Z	JACK, OPTICAL+COXIAL(GOLD PLAT	
X401	HOX04000E150C	CRYSTAL , 4MHZ	

REF NO.	PART NO	DESCRIPTION	REMARK
SMPS PCB ASS'Y (COP11993B)			
	CUP11993Z	PCB , SMPS T535	CEM-1, 197X230MM, 0.5EA
C902	CCEA1HH220TS	CAP , ELECT	50V/22UF/105'C
C904	CCEA1HH1R0TS	CAP , ELECT	50V/1.0UF/105'C
C906	CCEA1HH220TS	CAP , ELECT	50V/22UF/105'C
C907	CCEA1HH220TS	CAP , ELECT	50V/22UF/105'C
C908	HCQI2A472JZT	Capacitor, Mylar 100V 4700pF	
C909	CCKT1H101KB	CAP , CERAMIC	10
C911	CCEA1HH1R0TS	CAP , ELECT	50V/1.0UF/105'C
C912	HCQI2A472JZT	Capacitor, Mylar 100V 4700pF	
C921	CCKT3A102KBL	CAP , CERAMIC	EKR3A102K05FK5
C922	CCEA1AH471TS	CAP , ELECT	10V/470UF/105'C
C923	CCEA1HH1R0TS	CAP , ELECT	50V/1.0UF/105'C
C924	CCEA1AH471TS	CAP , ELECT	10V/470UF/105'C
C925	CCEA1HH470TS	CAP , ELECT	50V/47UF/105'C
C926	CCEA1HH470TS	CAP , ELECT	50V/47UF/105'C
C927	CCUMT1H104KB	CAP , MONO	50V 104 K
C928	CCUMT1H104KB	CAP , MONO	50V 104 K
C932	CCEA1HH1R0TS	CAP , ELECT	50V/1.0UF/105'C
C933	CCEA1AH471TS	CAP , ELECT	10V/470UF/105'C
C935	CCKT3A102KBL	CAP , CERAMIC	EKR3A102K05FK5
C938	CCEA1EH101TS	CAP , ELECT	25V/100UF/105'C
C939	CCEA1EH101TS	CAP , ELECT	25V/100UF/105'C
C940	CCEA1EH331TS	CAP , ELECT	25V/330UF/105'C
C941	CCEA1EH101TS	CAP , ELECT	25V/100UF/105'C
C943	CCEA1EH331TS	CAP , ELECT	25V/330UF/105'C
C944	CCKT3A102KBL	CAP , CERAMIC	EKR3A102K05FK5
C946	CCEA1AH471TS	CAP , ELECT	10V/470UF/105'C
D911	CVD1SS133MT	DIODE	1SS133
D913	HVDMTZJ20BT	DIODE , ZENER	MTZJ20B 1/2W
D914	HVDMTZJ20BT	DIODE , ZENER	MTZJ20B 1/2W
D915	HVDMTZJ20BT	DIODE , ZENER	MTZJ20B 1/2W
D934	CVD1SS133MT	DIODE	1SS133
D935	HVDMTZJ5.1BT	DIODE , ZENER	MTZJ5.1B 1/2W
FH91	KJCF5S	HOLDER , FUSE	
FH92	KJCF5S	HOLDER , FUSE	
IC94	HVIKIA431BAT	I.C , REGULATOR	KIA431B
IC95	HVIKIA431BAT	I.C , REGULATOR	KIA431B
J901	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J902	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J903	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J904	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J905	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J906	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J913	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J915	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J916	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J917	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J918	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J919	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J920	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J921	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J922	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J923	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J925	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J926	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J927	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J928	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
J929	C3A206	WIRE , COPPER	SN95/PB5 , 0.6
Q901	HVTKSA708YT	T.R	KSA708Y
Q910	HVTKSC1008YT	T.R	KSC1008Y
Q911	HVTKSC1008YT	T.R	KSC1008Y
Q914	HVTKRC102MT	T.R	KRC102M
R903	CRD25TJ150T	RES , CARBON	15 OHM 1/4W J

REF NO.	PART NO	DESCRIPTION	REMARK
SMPS PCB ASS'Y (COP11993B)			
R904	CRD20TJ470T	RES , CARBON	47 OHM 1/5W J
R907	CRD20TJ273T	RES , CARBON	27K OHM 1/5W J
R909	CRD20TJ273T	RES , CARBON	27K OHM 1/5W J
R911	CRD25TJ330T	RES , CARBON	33 OHM 1/4W J
R912	CRD20TJ273T	RES , CARBON	27K OHM 1/5W J
R913	CRD20TJ102T	RES , CARBON	1K OHM 1/5W J
R914	CRD20TJ103T	RES , CARBON	10K OHM 1/5W J
R915	CRD20TJ433T	RES , CARBON	43K OHM 1/5W J
R916	CRD20TJ470T	RES , CARBON	47 OHM 1/5W J
R917	CRD20TJ103T	RES , CARBON	10K OHM 1/5W J
R918	CRD20TJ102T	RES , CARBON	1K OHM 1/5W J
R919	CRD20TJ104T	RES , CARBON	100K OHM 1/5W J
R920	CRD20TJ101T	RES , CARBON	100 OHM 1/5W J
R921	CRD20TJ222T	RES , CARBON	2.2K OHM 1/5W J
R922	CRD20TJ222T	RES , CARBON	2.2K OHM 1/5W J
R923	CRD20TF3001T	RES , CARBON	3K 1/5W F
R924	CRD20TF3001T	RES , CARBON	3K 1/5W F
R925	CRD20TJ104T	RES , CARBON	100K OHM 1/5W J
R926	CRD20TJ104T	RES , CARBON	100K OHM 1/5W J
R927	CRD20TJ102T	RES , CARBON	1K OHM 1/5W J
R928	CRD20TJ103T	RES , CARBON	10K OHM 1/5W J
R930	CRD20TJ681T	RES , CARBON	680 OHM 1/5W J
R940	CRD20TJ101T	RES , CARBON	100 OHM 1/5W J
R941	CRD20TJ222T	RES , CARBON	2.2K OHM 1/5W J
R942	CRD20TJ222T	RES , CARBON	2.2K OHM 1/5W J
R943	CRD20TF3001T	RES , CARBON	3K 1/5W F
R944	CRD20TF3001T	RES , CARBON	3K 1/5W F
TH91	KRT10D9MSFT	THERMISTER	
CN91	CJP02KA060ZY	WAFER	
CN95	CJP14GA19ZY	CARD CABLE WAFER	
CX91	HCQF2E104KZE	CAP , POLYPROPYLENE FILM	
CX92	HCQF2E104KZE	CAP , POLYPROPYLENE FILM	
CY91	CCKDHS102ME	CAP , CERAMIC (400V Y-CAP)	SDE2G102M10FF7
CY92	CCKDHS102ME	CAP , CERAMIC (400V Y-CAP)	SDE2G102M10FF7
CY94	CCKDHS102ME	CAP , CERAMIC (400V Y-CAP)	SDE2G102M10FF7
CY95	CCKDHS102ME	CAP , CERAMIC (400V Y-CAP)	SDE2G102M10FF7
C901	CCET400VK3J101NK	CAP , ELECT(400V/100uF)	
C905	CCKT3A222KBL	CAP , CERAMIC	EKR3A222K05FK5
C910	CCKT3A222KBL	CAP , CERAMIC	EKR3A222K05FK5
C931	CCEA1CH222ES	CAP , ELECT	
C936	CCEA1EH681ES	E.CAP 25V 680uF, 105'C	
C937	CCEA1EH681ES	E.CAP 25V 680uF, 105'C	
C942	CCEA1EH681ES	E.CAP 25V 680uF, 105'C	
C945	CCEA1CH222ES	CAP , ELECT	
D901	HVDRL207T	DIODE	RL207T
D902	HVDRL207T	DIODE	RL207T
D903	HVDRL207T	DIODE	RL207T
D904	HVDRL207T	DIODE	RL207T
D905	HVDFR107T	DIODE , F-R	
D906	HVDFR107T	DIODE , F-R	
D907	HVDFR107T	DIODE , F-R	
D908	HVDFR107T	DIODE , F-R	
D909	HVDFR107T	DIODE , F-R	
D910	HVDFR107T	DIODE , F-R	
D921	HVD11EQ06T	DIODE , SCHOTTKY (60V/1A)	11EQ06
D922	HVDUF4004T	DIODE , SCHOTTKY	UF4004
D923	HVDUF4004T	DIODE , SCHOTTKY	UF4004
D925	HVD31DQ06H	DIODE	31DQ06-FC5
D926	HVDSF26T	DIODE , SUPER FAST	
D927	HVDUF5404H	DIODE , ULTRA FAST	
D928	HVD31DQ06H	DIODE	31DQ06-FC5
D929	HVDUF5404H	DIODE , ULTRA FAST	
D930	HVDUF4004T	DIODE , SCHOTTKY	UF4004

REF NO.	PART NO	DESCRIPTION	REMARK
SMPS PCB ASS'Y (COP11993B)			
IC91	CVIICE3B0365J	IC, CoolSET ICE3B0365J	ICE3B0365J DIP-8P
IC92	BVISG6842JLDZ	IC , PWM	
IC93	CVICEF04N7ZA	FET HEAT SINK ASS'Y (CEF04N7)	
LF91	CLZ9Z072Z	LINE FILTER (DVD-S1700)	
L901	HLZ93001Z	CORE , BEAD	
L921	CLZ9Z074Z	COIL , CHOKE(20uH)	
L922	CLZ9Z040Y	COIL , CHOCK(6.8uH)	6700F-6R8M
L923	CLZ9Z040Y	COIL , CHOCK(6.8uH)	6700F-6R8M
L924	CLZ9Z040Y	COIL , CHOCK(6.8uH)	6700F-6R8M
L925	CLZ9Z040Y	COIL , CHOCK(6.8uH)	6700F-6R8M
L926	CLZ9Z040Y	COIL , CHOCK(6.8uH)	6700F-6R8M
L927	CLZ9Z040Y	COIL , CHOCK(6.8uH)	6700F-6R8M
PC91	HVIPC17L1CB	I.C , PHOTO COUPLER	
PC92	HVIPC17L1CB	I.C , PHOTO COUPLER	
PC93	HVIPC17L1CB	I.C , PHOTO COUPLER	
R901	KROS1TJ105V	RES , METAL FILM (1/2W , 1M OH	
R902	CRG1ANJ154H	RES , METAL OXIDE FILM (150K J	
R905	CRG1ANJ5R1B	RES , METAL OXIDE FILM, 5.1 OH	
R908	KRW1PJ0R5V	RES , WIRE WOUND(1W, 0.5Ohm)	
R910	CRG2ANJ683H	RES , METAL OXIDE FILM	68K OHM 2W J
R931	CRG1ANJ220H	RES , METAL OXIDE FILM	22 OHM 1W J
R946	CRG1ANJ101R	RES , METAL OXIDE FILM (100 J	
R947	CRG1ANJ220H	RES , METAL OXIDE FILM	22 OHM 1W J
R948	CRG1ANJ220H	RES , METAL OXIDE FILM	22 OHM 1W J
R951	CRG1ANJ101R	RES , METAL OXIDE FILM (100 J	
R952	CRG1ANJ271R	RES , METAL OXIDE FILM (270 J	
R953	CRG1ANJ271R	RES , METAL OXIDE FILM (270 J	
R954	CRG1ANJ471R	RES , METAL OXIDE FILM (470 J	
R955	CRG1ANJ471R	RES , METAL OXIDE FILM (470 J	
TF91	CLT9Z022ZE	TRANS, SMALL Type (DVD-S1700)	
TF92	CLT9Z023ZE	TRANS (DVD-S1700)	
VT91	CRVSVC471D14A	VARISTOR	SVC471D14A

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