ORDER NO. MD0808003CE
A1

Service Manual

AV Control Receiver

HDMI™ HIGH-DEFINITION MULTIMEDIA INTERFACE

VIERA ink

SA-BX500PP

Colour

(K).....Black Type

Specifications

Main unit SA-BX500PP

●GENERAL

Power supply:	AC 120V, 60 Hz
Power consumption:	150 W
Power consumption in standby mode:	approx. 0.7 W
Power consumption in HDMI off mode:	approx. 0.4 W
Dimensions (W×H×D):	430 mm × 158.5 mm × 339 mm (16-15/16" x 6-1/4" x 13-11/32")
Mass:	Approx. 5 kg (11 lb.)
Operating temperature range:	0 °C to 40 °C
Operating humidity range:	20% to 80% RH (no condensation)

●AMPLIFIER SECTION

Rated minimum sine wave RMS power output

20 Hz-20 kHz both channels driven (with AES17 filter)

0.7 % total harmonic distortion

130 W per channel (6 Ω)

Total harmonic distortion

Rated power at 20 Hz-20 kHz

0.7% (6 Ω)

Power output each channel driven at 20 Hz-20 kHz (with AES17 filter)

Front (L/R):

130 W per channel (6 Ω)

Center:

130 W per channel (6 Ω)

Surround (L/R):

130 W per channel (6 Ω)

Surround Back (L/R):

130 W per channel (6 Ω)

Total Harmonic distortion:

0.7% W

Load impedance

Front (L/R)

A or B:

4 to 8 Ω

A and B:

6 to 8 Ω

BI-WIRE:

Panasonic®

4 to 8 Ω

Center:

6 to 8 Ω

Surround (L/R):

6 to 8 Ω

Surround Back (L/R):

6 to 8 Ω

Frequency Response

CD, AUX, TV, GAME, CABLE/SAT, VCR, DVD RECORDER, BD/DVD PLAYER/ ANALOG 8CH IN, OPTION PORT

4 Hz to 40 kHz, ±2 dB

Input sensitivity and impedance

CD, AUX, TV, GAME, CABLE/SAT, VCR, DVD RECORDER, BD/DVD PLAYER/ ANALOG 8CH IN, OPTION PORT

16 mV (200 mV, IHF'66) 22 kΩ

S/N (IHF A)

CD, TV, BD/DVD PLAYER, DVD RECORDER (Digital Input)

97 dB, IHF'66

Tone controls

BASS: 50 Hz, +10 to -10 dB

TREBLE: 20 kHz, +10 to -10 dB

Output Voltage

DVD RECORDER: 200 mV

This unit supports "HDAVI Control 3" function.

Digital input (OPTICAL):

3

Digital input (COAXIAL):

1

HDMI Input (Corresponding Deep Colour)

3

HDMI Output (Corresponding Deep Colour)

1

●FM TUNER

Frequency Range

87.9 to 107.9 MHz (200-kHz steps)

87.5 to 108.0 MHz (100-kHz steps)

Sensitivity

11.2 dBf (2 µV, IHF'58)

Total harmonic distortion

MONO 0.5%

STEREO 0.7%

S/N

MONO 73 dB

STEREO 67 dB

Alternate channel selectivity

65 dB

Antenna terminal

75 Ω (unbalanced)

Frequency response

20 Hz to 15 kHz, +1 dB, -2 dB

●AM TUNER SECTION

Frequency range:

520 to 1710 kHz

●Option Port SECTION

An exclusive terminal for SH-PD10 (option)

1

●VIDEO SECTION

Output voltage at 1 V input (unbalanced)

1 ± 0.1 Vp-p

Maximum input voltage

1.5 Vp-p

Input/output impedance

75 Ω

Composite Video (Input)

BD/DVD PLAYER, DVD RECORDER, VCR, CABLE/SAT, GAME, AUX

Composite Video (Output)

DVD RECORDER, TV MONITOR

S-Video (Input)

BD/DVD PLAYER, DVD RECORDER, VCR, CABLE/SAT, GAME, AUX

S-Video (Output)

DVD RECORDER, TV MONITOR

Component Video (Input)

BD/DVD PLAYER, DVD RECORDER, CABLE/SAT

Component Video (Output)

TV MONITOR

Note:

1. Specifications are subject to change without notice.
2. Total harmonic distortion is measured by the digital spectrum analyzer.

Solder:

This model uses lead free solder (PbF).

■ **Built-in decoders**
You can play discs with these symbols.

DOLBY DIGITAL PRO LOGIC II dts Digital Surround

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals or potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

CONTENTS

Page

1 Safety Precautions ··· 5
1.1. GENERAL GUIDELINES ··· 5
1.2. Before Repair and Adjustment ··· 5
1.3. Protection Circuitry ··· 5
1.4. Safety Parts Information ··· 6
2 Prevention of Electrostatic Discharge (ESD) to Electrostatically Sensitive (ES) Devices ··· 7
3 About Lead Free Solder (PbF) ··· 8
3.1. Service caution based on legal restrictions ··· 8
4 Accessories ··· 9
5 Operation Procedures ··· 10
5.1. Remote Control Key Buttons Operations ··· 10
5.2. Main Unit Key Buttons Operations ··· 11
5.3. Using the VIERA Link "HDAVI Control™" ··· 12
5.4. Main Unit Connections ··· 13
6 Self-Diagnosis and Display Function ··· 21
6.1. Automatically Displayed Error Codes ··· 21
6.2. Display Details ··· 21
6.3. Overload/Shutdown Detection internal Condition ··· 22
6.4. Overload/Thermal Detection Display ··· 22
6.5. Activating Self Diagnosis Function (Service Mode) ··· 22
6.6. Returning to Normal Display ··· 23
6.7. Activating Self Diagnosis Function (Doctor Mode) ··· 23
6.8. Wireless Link ··· 24
7 Assembling and Disassembling ··· 26
7.1. Disassembly Flow Chart ··· 27
7.2. Main Components and P.C.B. Locations ··· 28
7.3. Disassembly of Top Cabinet ··· 29
7.4. Disassembly and checking of DSP (Side A/B) P.C.B. ··· 29
7.5. Disassembly and checking of Speaker P.C.B. ··· 30
7.6. Disassembly and checking of D-Amp B (3CH) & Fan P.C.B. ··· 30
7.7. Replacement of Digital Amp IC (IC5000) of D-Amp B (3CH) P.C.B. ··· 32
7.8. Disassembly and checking of SMPS & AC Inlet P.C.B. ··· 33
7.9. Replacement of Switch Regulator IC (IC5701) ··· 34
7.10. Replacement of Switch Regulator Diode (D5702) ··· 35
7.11. Replacement of Regulator Diode (D5801) ··· 37
7.12. Replacement of Regulator Diode (D5802) ··· 37
7.13. Replacement of Regulator Diode (D5803) ··· 38

Page

7.14. Disassembly and checking of D-Amp A (4CH) P.C.B. ··· 39
7.15. Replacement of Digital Amp IC (IC5000) of D-Amp A (4CH) P.C.B. ··· 40
7.16. Disassembly and checking of HDMI side (A) and side (B) ··· 41
7.17. Disassembly and Checking of S-Video & Video P.C.B. ··· 42
7.18. Disassembly and checking of Wireless Adapter, Digital & D-Port P.C.B. ··· 42
7.19. Disassembly and Checking of Main (Side A/B) P.C.B. ··· 44
7.20. Disassembly of Front Panel ··· 45
7.21. Disassembly and checking of Panel, Headphone, Volume P.C.B. ··· 46
8 Voltage and Waveform Chart ··· 48
8.1. HDMI P.C.B. ··· 48
8.2. DSP P.C.B. ··· 50
8.3. D-Amp A (4CH) P.C.B. ··· 53
8.4. D-Amp B (3CH) P.C.B. ··· 54
8.5. Main P.C.B. ··· 55
8.6. Panel P.C.B. ··· 58
8.7. Digital, Speaker & Fan P.C.B. ··· 58
8.8. Video P.C.B. ··· 59
8.9. S-Video P.C.B. ··· 59
8.10. SMPS P.C.B. ··· 59
8.11. Waveform Chart ··· 60
9 Illustration of IC's, Transistors and Diodes ··· 62
10 Wiring Connection Diagram ··· 63
11 Block Diagram ··· 65
11.1. System Control ··· 65
11.2. HDMI ··· 66
11.3. IC Terminal (HDMI) Chart ··· 67
11.4. DSP ··· 68
11.5. IC Terminal (DSP) Chart ··· 70
11.6. Audio ··· 72
11.7. Digital Audio Amp (4CH) ··· 74
11.8. Digital Audio Amp (3CH) ··· 75
11.9. Speaker Channel ··· 76
11.10. Video (component & composite video) ··· 77
11.11. Video (S-video) ··· 78
11.12. Power ··· 79
12 Schematic Diagram Notes ··· 81

13 Schematic Diagram 83
13.1. HDMI Circuit 83
13.2. DSP Circuit 87
13.3. Main Circuit 93
13.4. Panel Circuit 101
13.5. S-Video Circuit 103
13.6. Speaker Circuit 104
13.7. Video Circuit 105
13.8. D-Port, Headphone, Digital, Volume, Wireless Adapter, Fan Circuit 106
13.9. D-Amp A (4CH) Circuit 107
13.10. D-Amp B (3CH) Circuit 109
13.11. SMPS Circuit 111
13.12. AC Inlet Circuit 113
14 Printed Circuit Board 115
14.1. HDMI P.C.B. 115
14.2. DSP P.C.B. 116
14.3. Main P.C.B. 117
14.4. D-Port, Panel, S-Video P.C.B. 118
14.5. Headphone, Speaker, Digital, Video, Volume P.C.B. 119
14.6. Wireless Adapter, Fan, AC Inlet P.C.B. 120
14.7. D-Amp A (4CH) P.C.B. 121
14.8. D-Amp B (3CH) P.C.B. 122
14.9. SMPS P.C.B. 123
15 Basic Troubleshooting Guide 125
15.1. Troubleshooting Guide for F61 and/or F76 125
16 Overall Simplified Block for BX500 133
17 Terminal Function of IC's 135
17.1. IC8001 (RFXWBX500EBK): Micro-processor 135
17.2. IC501 (C0HBB0000057): IC FL Driver 135
18 Exploded Views 137
18.1. Cabinet Parts Location 137
18.2. Packaging 140
19 Replacement Parts List 141
19.1. Component Parts List 141
20 Schematic Diagram for printing with letter size 164

1 Safety Precautions

1.1. GENERAL GUIDELINES

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, carry out the following leakage current checks to prevent the customer from being exposed to shock hazards.

1.1.1. LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between 1MΩ and 5.2MΩ.
   When the exposed metal does not have a return path to the chassis, the reading must be ∞

1.1.2. LEAKAGE CURRENT HOT CHECK

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a 1.5kΩ, 10 watts resistor, in parallel with a 0.15µF capacitors, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in **Figure 1**.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet and repeat each of the above measurements.
6. The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 or equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

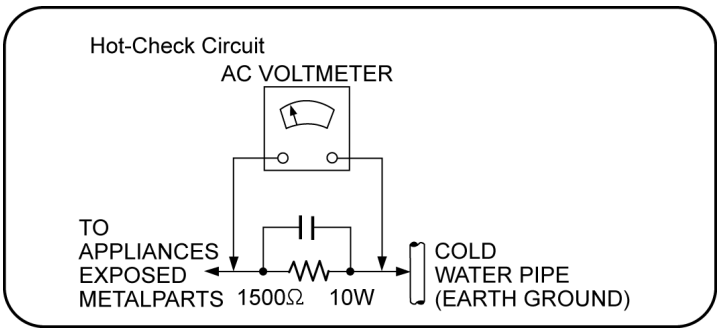


Figure 1

1.2. Before Repair and Adjustment

Disconnect AC power to discharge unit AC Capacitors as such (C5700, C5701, C5702, C5703, C5704) through a 10 Ω, 10 W resistor to ground.

Caution:

DO NOT SHORT-CIRCUIT DIRECTLY (with a screwdriver blade, for instance), as this may destroy solid state devices.

After repairs are completed, restore power gradually using a variac, to avoid overcurrent.

Current consumption at AC 120 V, 60 Hz in NO SIGNAL mode volume minimal should be ~ 600 mA.

1.3. Protection Circuitry

The protection circuitry may have operated if either of the following conditions are noticed:

- No sound is heard when the power is turned on.
- Sound stops during a performance.

The function of this circuitry is to prevent circuitry damage if, for example, the positive and negative speaker connection wires are

“shorted”, or if speaker systems with an impedance less than the indicated rated impedance of the amplifier are used.

If this occurs, follow the procedure outlines below:

1. Turn off the power.
2. Determine the cause of the problem and correct it.
3. Turn on the power once again after one minute.

Note:

When the protection circuitry functions, the unit will not operate unless the power is first turned off and then on again.

1.4. Safety Parts Information

Safety Parts List:

There are special components used in this equipment which are important for safety.
These parts are marked by ⚠ in the Schematic Diagrams & Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer’s specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

Table 1

Ref. No.	Part No.	Part Name & Description	Remarks
14	REXX0640-J	BLACK WIRE (SMPS-AC)	[M] ⚠
15	REXX0641-J	RED WIRE (SMPS-AC)	[M] ⚠
19	RGR0385A-D1	REAR PANEL	[M] ⚠
30	RKM0603-K	TOP CABINET	[M] ⚠
A2	K2CB2CB00021	AC CORD	[M] ⚠
PCB16	REPX0622Q	SMPS P.C.B	[M] (RTL) ⚠
PCB17	REPX0622Q	AC INLET P.C.B.	[M] (RTL) ⚠
DZ5701	ERZV10V511CS	ZNR	[M] ⚠
L5701	ELF15N035AN	LINE FILTER	[M] ⚠
L5702	ELF22V035E	LINE FILTER	[M] ⚠
L5703	ELF22V035E	LINE FILTER	[M] ⚠
T5701	ETS42BM19GAC	SWITCHING TRANSFORMER	[M] ⚠
T5751	ETS19AB281AG	BACKUP TRANSFORMER	[M] ⚠
T7001	G4D1A0000094	SWITCHING TRANSFORMER	[M] ⚠
PC5701	B3PBA0000402	PHOTO COUPLER	[M] ⚠
PC5702	B3PBA0000402	PHOTO COUPLER	[M] ⚠
PC5720	B3PBA0000402	PHOTO COUPLER	[M] ⚠
PC5799	B3PBA0000402	PHOTO COUPLER	[M] ⚠
F1	K5D802APA008	FUSE	[M] ⚠
IP7001	K5H7512A0010	IC PROTECTOR	[M] ⚠
TH5701	D4CAA2R20001	THERMISTOR	[M] ⚠
TH5860	D4CC11040013	THERMISTOR	[M] ⚠
P5701	K2AB2B000011	AC INLET	[M] ⚠
C5700	F1BAF1020020	1000pF	[M] ⚠
C5701	ECQU2A104MLC	0.1uF	[M] ⚠
C5702	ECQU2A104MLC	0.1uF	[M] ⚠
C5703	ECQU2A104MLC	0.1uF	[M] ⚠
C5704	F1BAF1020020	1000pF	[M] ⚠

2 Prevention of Electrostatic Discharge (ESD) to 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 electrostatic discharge (ESD).

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, 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 anti-static solder removal device. Some solder removal devices not classified as “anti-static (ESD protected)” can generate electrical charge sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

   Caution:

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

3 About Lead Free Solder (PbF)

3.1. Service caution based on legal restrictions

3.1.1. General description about Lead Free Solder (PbF)

The lead free solder has been used in the mounting process of all electrical components on the printed circuit boards used for this equipment in considering the globally environmental conservation.

The normal solder is the alloy of tin (Sn) and lead (Pb). On the other hand, the lead free solder is the alloy mainly consists of tin (Sn), silver (Ag) and Copper (Cu), and the melting point of the lead free solder is higher approx.30 degrees C (86°F) more than that of the normal solder.

Definition of PCB Lead Free Solder being used

The letter of “PbF” is printed either foil side or components side on the PCB using the lead free solder. (See right figure)	PbF

Service caution for repair work using Lead Free Solder (PbF)

- The lead free solder has to be used when repairing the equipment for which the lead free solder is used.
  (Definition: The letter of “PbF” is printed on the PCB using the lead free solder.)
- To put lead free solder, it should be well molten and mixed with the original lead free solder.
- Remove the remaining lead free solder on the PCB cleanly for soldering of the new IC.
- Since the melting point of the lead free solder is higher than that of the normal lead solder, it takes the longer time to melt the lead free solder.
- Use the soldering iron (more than 70W) equipped with the temperature control after setting the temperature at 350±30 degrees C (662±86°F).

Recommended Lead Free Solder (Service Parts Route.)

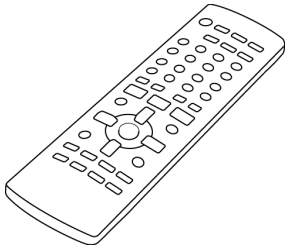
- The following 3 types of lead free solder are available through the service parts route.
  RFKZ03D01K----------(0.3mm 100g Reel)
  RFKZ06D01K----------(0.6mm 100g Reel)
  RFKZ10D01K----------(1.0mm 100g Reel)

Note

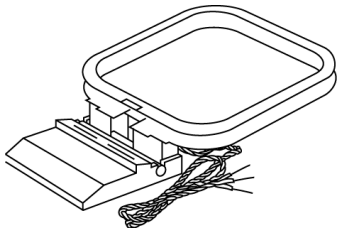
* Ingredient: tin (Sn), 96.5%, silver (Ag) 3.0%, Copper (Cu) 0.5%, Cobalt (Co) / Germanium (Ge) 0.1 to 0.3%

4 Accessories

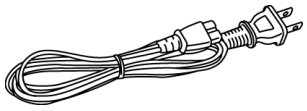
- **Note: Refer to “Replacement Parts List” (Section 25) for the part number.**



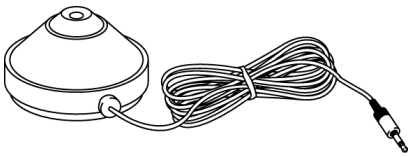
Remote control



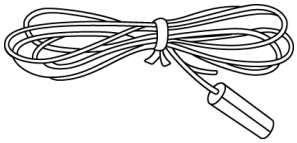
AM loop antenna



AC cord



Setup microphone



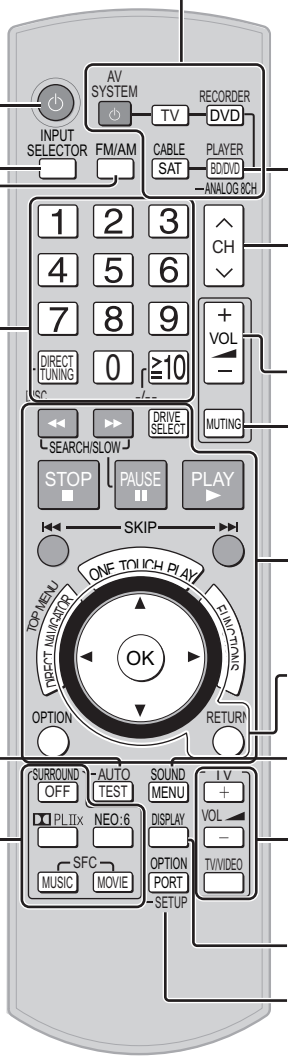
FM indoor antenna

Front terminal cover

5 Operation Procedures

5.1. Remote Control Key Buttons Operations

Remote control



Power button

For selecting input sources

For switching FM or AM

For inputting channels
TV, cable box and satellite receiver
DVD recorder
Radio

For selecting a track or chapter
DVD recorder
Blu-ray Disc/DVD player

For inputting frequencies

For confirming speaker output/For auto speaker setup/For adjusting speaker level

For listening to surround sounds

For switching an input source on and off/ Source switching/ Switching remote control modes

For playing 8 channels sources

For selecting a channel
TV, cable box and satellite receiver
DVD recorder
Radio

For adjusting volumes

For silencing speakers temporarily

For operating other equipment

For operating SOUND MENU/SETUP

For selecting SOUND MENU

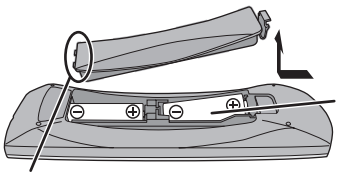
For operating a TV

For changing the display

For playing an iPod /For entering SETUP menu items

Batteries

Press on the tab to open.



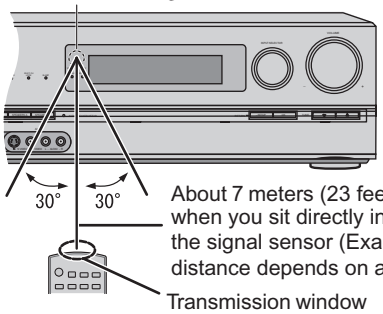
(R6/LR6, AA)

Place this side in before the other side when you close.

- Insert so the poles (⊕ and ⊖) match those in the remote control.
- Do not use rechargeable type batteries.
- Do not heat or expose to flame.
- Do not leave the batteries in an automobile exposed to direct sunlight for a long period of time with doors and windows closed.

Use

Remote control signal sensor



About 7 meters (23 feet) or less when you sit directly in front of the signal sensor (Exact distance depends on angles).

Transmission window

Caution

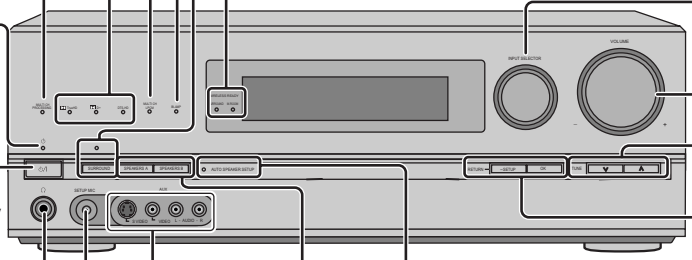
- Do not place an object between the signal sensor and the remote control.
- Do not place the signal sensor under direct sunlight or the strong light of an inverter fluorescent lamp.
- Keep the transmission window and the unit s sensor free from dust.

When you set the unit in a cabinet

The remote controlling range may decrease depending on the thickness or colours of glass cabinet doors.

5.2. Main Unit Key Buttons Operations

This unit



Lights on when playing a disc using multi-channel LPCM format

Lights on when playing a disc using high definition audio format such as Blu-ray Disc

Lights on when the following multi-channel playback settings are used
- When playing multi-channel sources
- When using surround effects for two-channel sources, etc.

Standby indicator [⏻]
When the unit is connected to the household AC outlet, this indicator lights up in standby mode and goes out when the unit is turned on.

Standby/on switch [⏻/I]
Press to switch the unit from on to standby mode or vice versa.In standby mode, the unit is still consuming a small amount of power.

For connecting headphones

For connecting the setup microphone

For connecting a video camera etc.

Lights on when BI-AMP is on

For switching the surround playback on and off (The indicator lights up when the surround playback is on.)

Lights up under the condition that using the digital transmitter (SH-FX67) is possible

For selecting input sources

For adjusting volumes

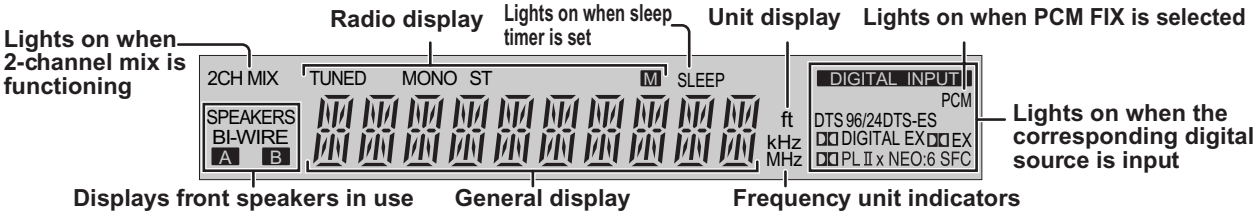
For tuning the radio

For SETUP operations

Lights on during the auto speaker setup

For selecting front speakers

Display



Lights on when 2-channel mix is functioning

Radio display

Lights on when sleep timer is set

Unit display

Lights on when PCM FIX is selected

Lights on when the corresponding digital source is input

Displays front speakers in use

General display

Frequency unit indicators

5.3. Using the VIERA Link “HDAVI Control™”

Using the VIERA Link "HDAVI Control™"

What is VIERA Link "HDAVI Control" ?
VIERA Link™ is a new name for EZ Sync™.
VIERA Link "HDAVI Control" is a convenient function that offers linked operations of this unit, and a Panasonic TV (VIERA) or DVD recorder (DIGA) under "HDAVI Control". You can use this function by connecting the equipment with the HDMI cable. See the operating instructions for connected equipment for operational details.

- VIERA Link "HDAVI Control", based on the control functions provided by HDMI which is an industry standard known as HDMI CEC (Consumer Electronics Control), is a unique function that we have developed and added. As such, its operation with other manufacturers’ equipment that supports HDMI CEC cannot be guaranteed.
- **This unit supports "HDAVI Control 1" function.**
  This standard is compatible with Panasonic’s conventional HDAVI equipment.
- Please refer to individual manuals for other manufacturers’ equipment supporting VIERA Link function.

What you can do with VIERA Link "HDAVI Control"

For correct use of VIERA Link "HDAVI Control"

Use TV (VIERA)'s remote control to select "Home Cinema" without turning on this unit (including the remote control). (This unit is automatically turned on.)

- Use the TV (VIERA)'s remote control to operate.
- See TV (VIERA)'s operating instructions for details.

1 **You can select "Speaker Selection" ("Home Cinema" or "TV").**
Home Cinema: This unit will be automatically turned on if it is in standby mode and the sound is from the speakers connected to this unit. You can also adjust the volume level by using the volume control buttons.
TV: TV speakers are active.

2 **When you switch off the TV (VIERA), this unit automatically turns off.**
(This operation is unavailable when you set the input source as "***FM***", "***AM***", "***CD***" or "***OPTION P.***" on this unit.)
When VIERA Link "HDAVI Control" compatible recorder (DIGA) is connected with HDMI cable, the recorder (DIGA) also turns off.

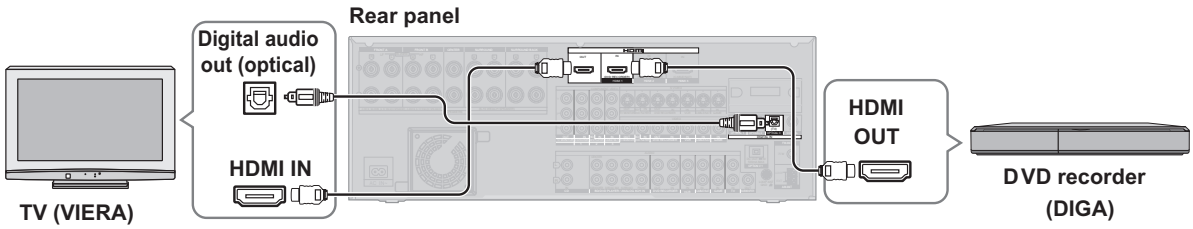
Note

- When you operate the TV (VIERA) such as selecting a channel this unit’s input selector will automatically switch to "***TV***".
- When you operate DVD recorder (DIGA), this unit's input selector will automatically switch to "***DVD R.***".
- To operate other functions, use this unit’s remote control.

Connection

Connect your home theater equipment (VIERA Link "HDAVI Control" compatible VIERA television and DIGA DVD recorder) with an HDMI cable.

- It is recommended that you use Panasonic’s HDMI cable.
  Recommended part number: RP-CDHG10 (1.0 m/3.3 ft.), RP-CDHG15 (1.5 m/4.9 ft.), RP-CDHG20 (2.0 m/6.6 ft.), RP-CDHG30 (3.0 m/9.8 ft.), RP-CDHG50 (5.0 m/16.4 ft.), etc.
- This unit incorporates HDMI (V .1.3 with Deep Color) technology.
- Non-HDMI-compliant cables cannot be utilized.
- Please use High Speed HDMI Cables that have the HDMI logo (as shown on the cover).
- When outputting 1080p signal, please use the HDMI cables 5.0 meters (16.4 feet) or less.
- You cannot enjoy TV sounds on this unit with only an HDMI cable. Connect TV to this unit with the optical fiber cable to enjoy TV sound.



5.4. Main Unit Connections

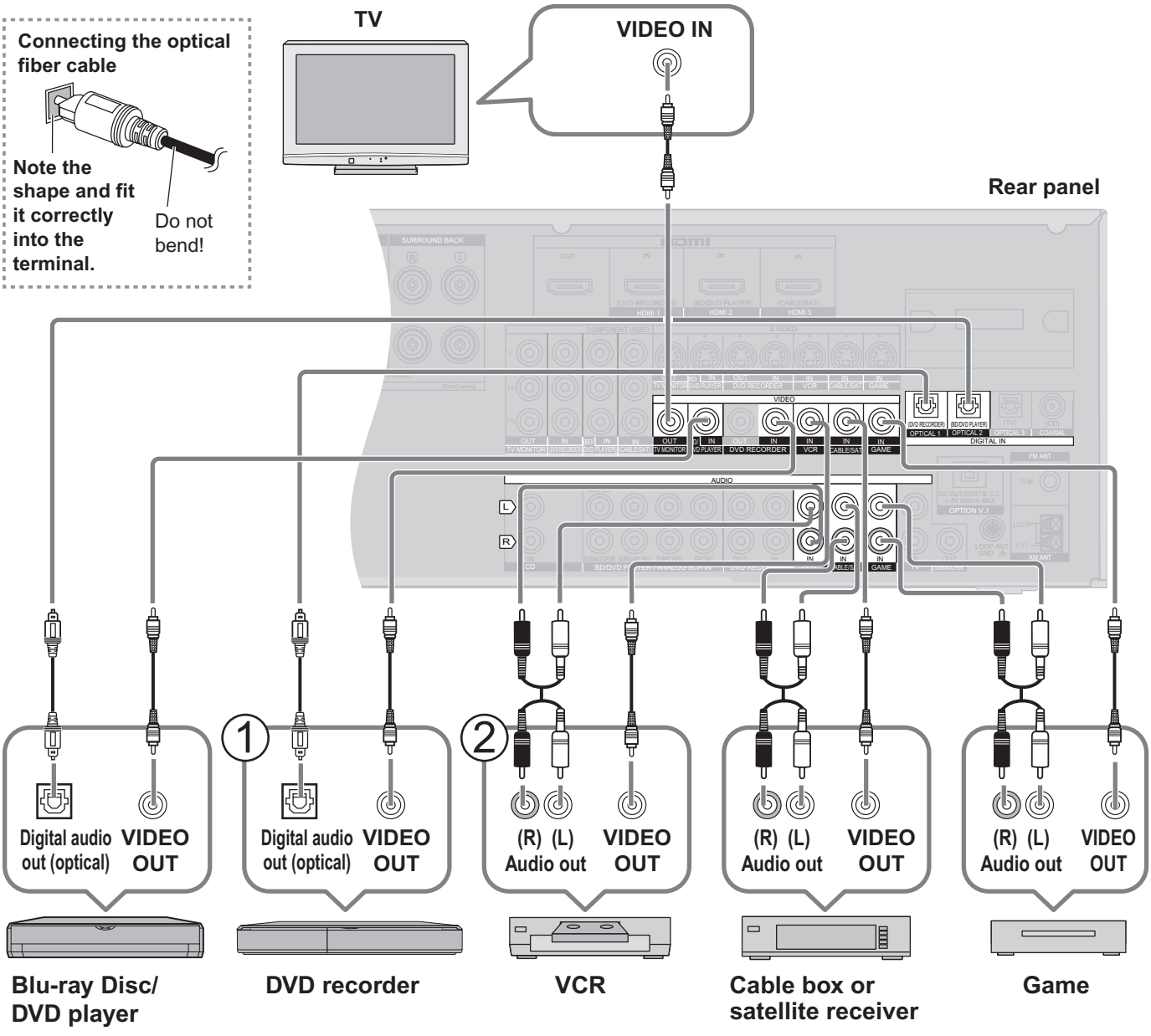
5.4.1. Video & Audio Terminals

Basic connections

Connecting cables to video and audio terminals (Connecting equipment without HDMI terminal)

Connection cable

Video cable	Audio cable	
Video connection cable (not included)	**Optical fiber cable** (not included)	**Stereo connection cable** (not included) White (L) Red (R)



To connect a DVD recorder with built-in VCR

(When the DVD recorder has DVD/VHS terminals, make the following connections.)
Connect the DVD output terminal as ① shown above.
Connect the DVD/VHS output terminal as ② shown above.

Note

- When you make HDMI connections this connection is not necessary.
- The input video signal can be sent out through an output terminal of the same type only.
- You can change the digital input terminal setting according to the equipment to connect.

5.4.2. Connecting equipment with HDMI Terminal

Basic connections

Connecting equipment with HDMI terminal

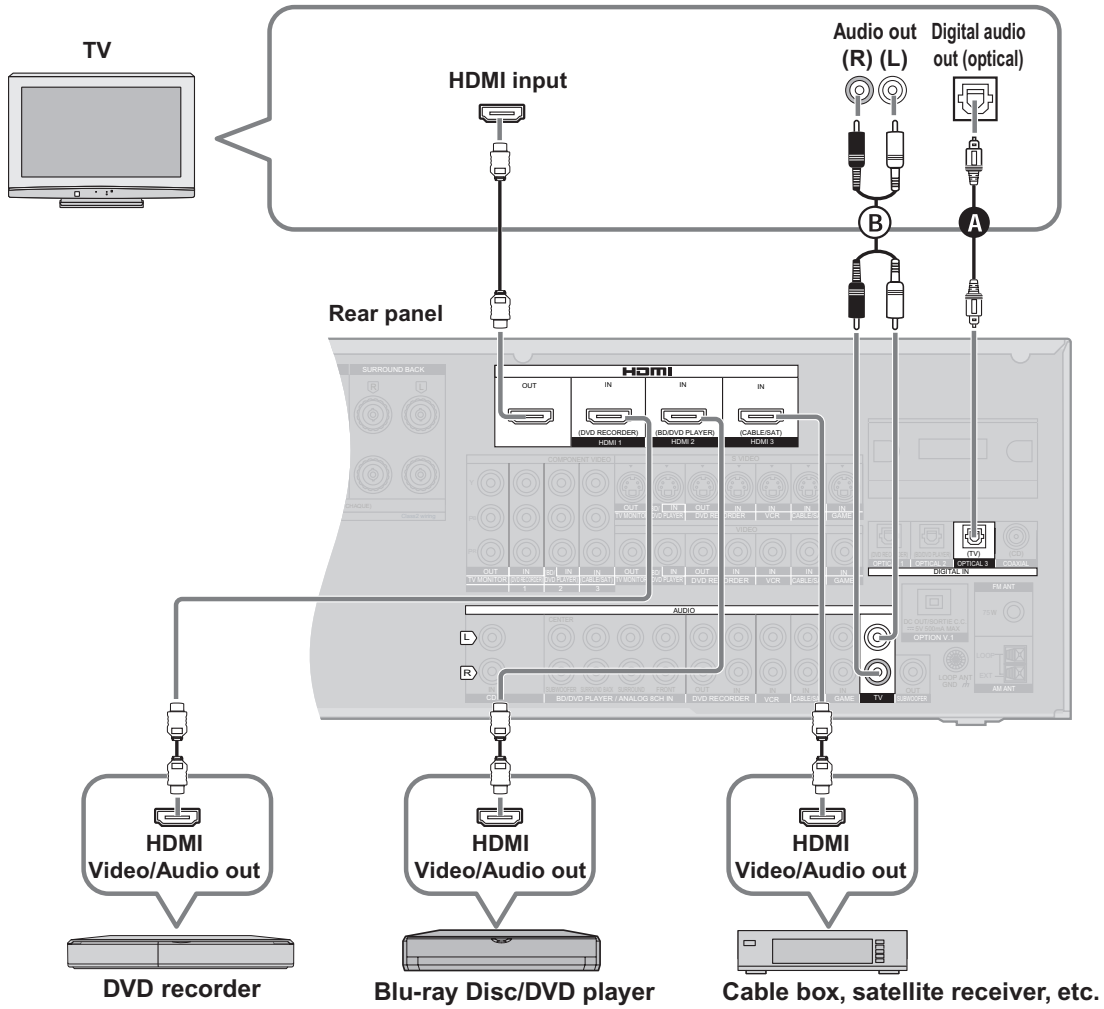
Connection cable

Video and Audio cable	Audio cable	
HDMI cable (not included) Recommended part number: RP-CDHG10 (1.0 m/3.3 ft.), RP-CDHG15 (1.5 m/4.9 ft.), RP-CDHG20 (2.0 m/6.6 ft.), RP-CDHG30 (3.0 m/9.8 ft.), RP-CDHG50 (5.0 m/16.4 ft), etc.	**Optical fiber cable** (not included)	**Stereo connection cable** (not included) White (L) Red (R)

HDMI cable notes

- It is recommended that you use Panasonic s HDMI cable.
- This unit incorporates HDMI (V .1.3 with Deep Color) technology.
- Please use High Speed HDMI Cables that have the HDMI logo (as shown on the cover).
- When outputting 1080p signal, please use the HDMI cables 5.0 meters (16.4 feet) or less.

To enjoy TV with surround sound, make connection Ⓐ or Ⓑ shown below according to your equipment.



HDMI connection

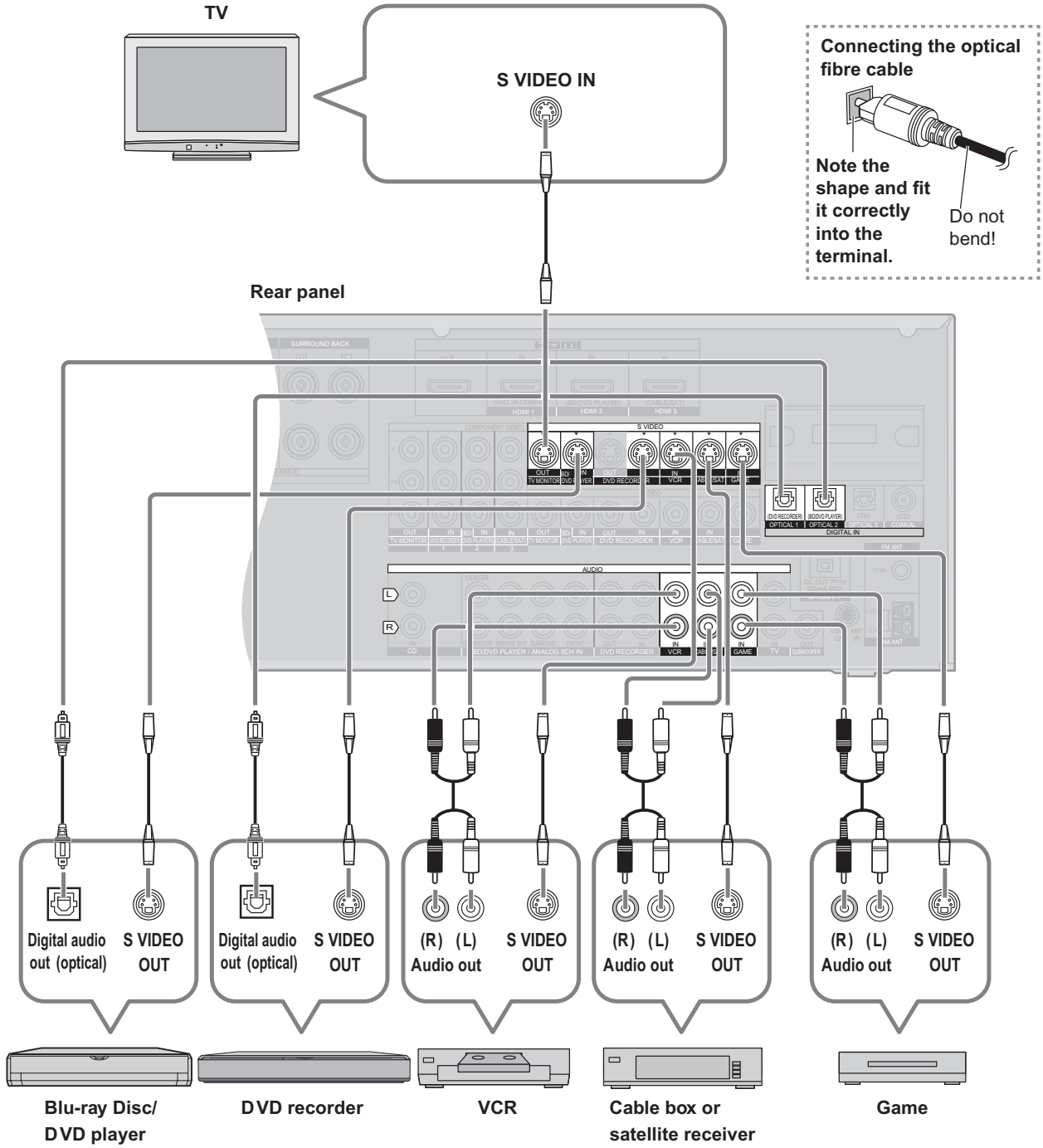
The HDMI input terminal on the unit s rear is made to specifications that presume connection of a DVD recorder / Blu-ray Disc / DVD player etc. When other equipment is connected, sounds may not come out of the unit, or pictures shown on the equipment (TV) connected to the HDMI output terminal may be disrupted.

5.4.3. S Video and audio Terminals

Connecting cables to S video and audio terminals

Connection cable

Video cable	
S VIDEO connection cable (not included)	
Audio cable	
Optical fibre cable (not included)	**Stereo connection cable** (not included) White (L) Red (R)



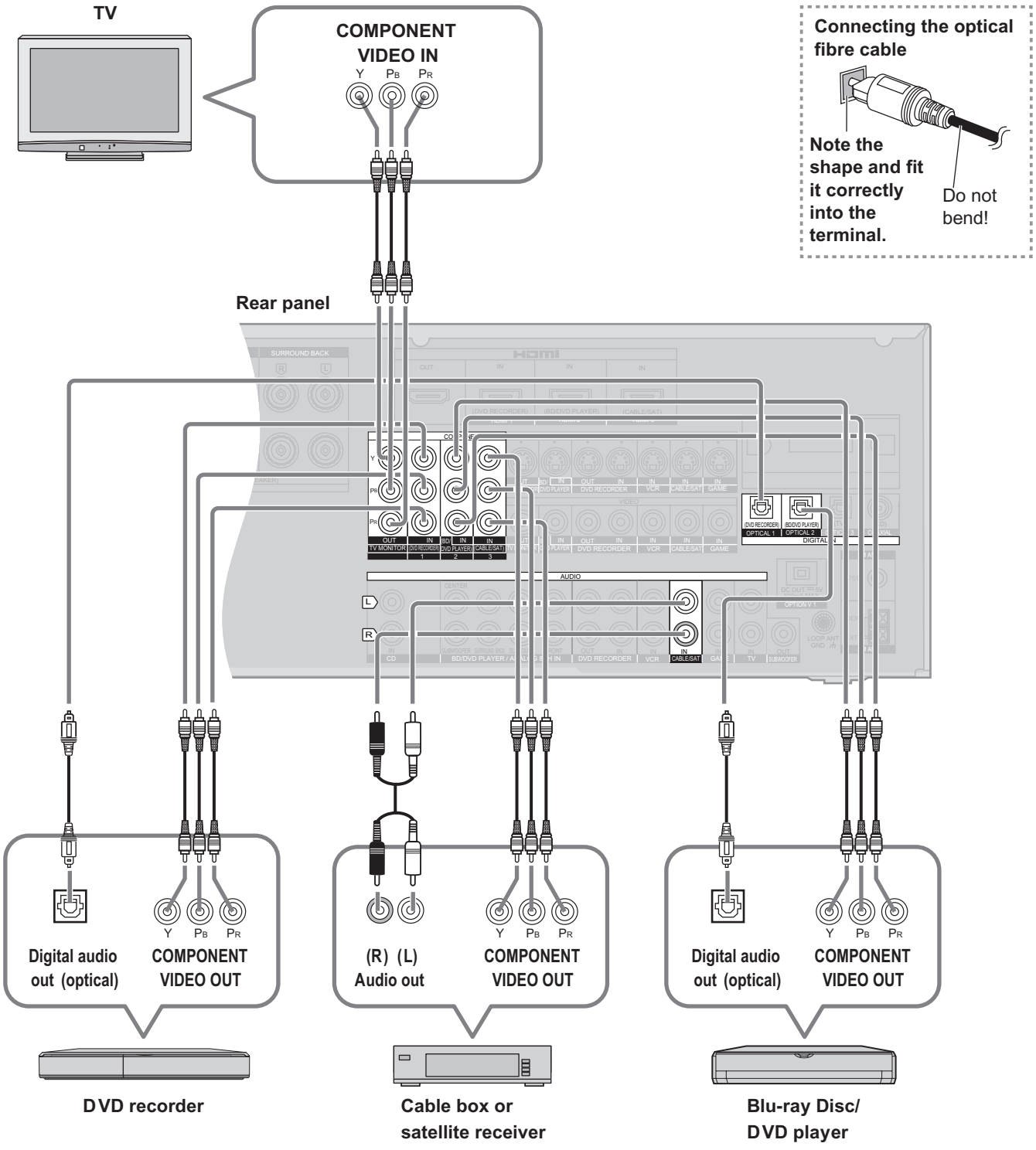
5.4.4. Component and audio terminals

Connecting cables to component and audio terminals

The component video terminals can produce more accurate colours than the S video terminals.

Connection cable

Video cable	Audio cable	
Video connection cable (not included)	**Optical fibre cable** (not included)	**Stereo connection cable** (not included)
		



5.4.5. Other connections

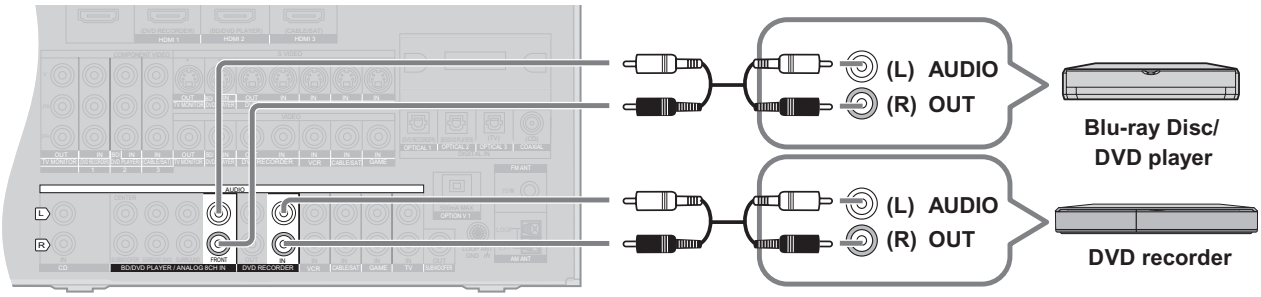
Other connections

Connection cable

Video cable	
Video connection cable (not included)	**S VIDEO connection cable** (not included)
Audio cable	
Coaxial cable (not included)	**Stereo phono cable** (not included) White (L) Red (R)

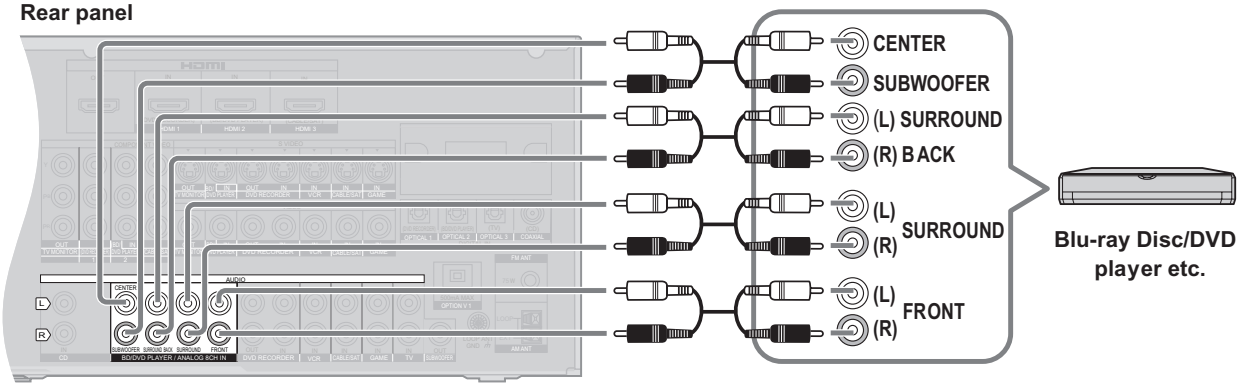
To enjoy analogue sounds

Rear panel



To enjoy high-quality analogue sounds (Analogue 8-channel connections)

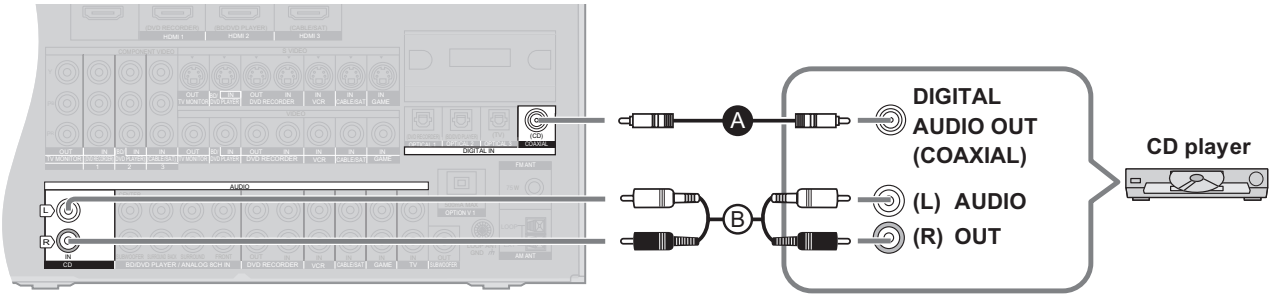
Rear panel



To connect the unit to a CD player

Make either digital audio (COAXIAL) output connections (Ⓐ) or analogue audio output connections (Ⓑ) according to your equipment and preference.

Rear panel

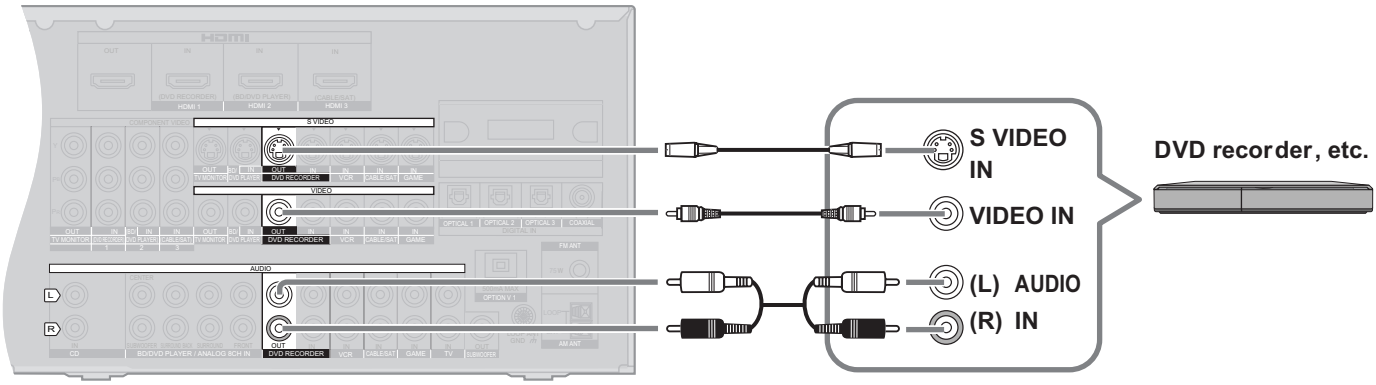


Other connections

To connect the unit for audio or picture recording

You can record audio or pictures to the equipment connected to DVD recorder output terminal (AUDIO, VIDEO, S VIDEO).

Rear panel



Note

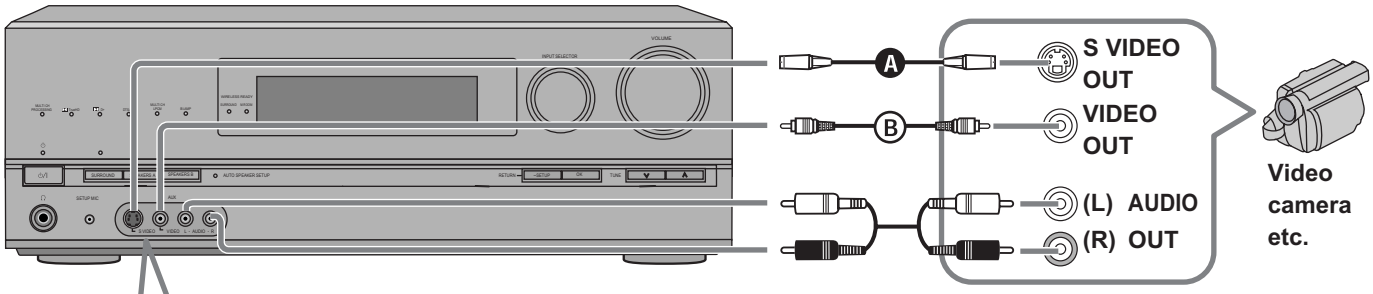
• Connect the recording unit and source unit using the same cable.

To connect the unit to a video camera etc.

These terminals are convenient for equipment you want to connect only temporarily.

Note

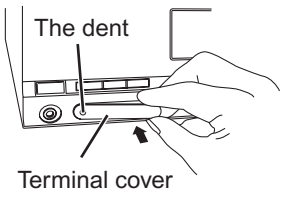
• Use a cable, Ⓐ or Ⓑ that belongs to the same type as the video cable you used for connecting the unit to your TV.



How to attach or remove the front terminal cover

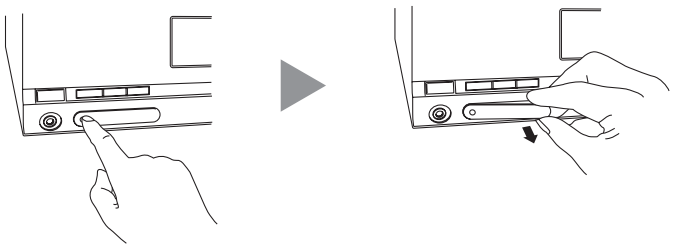
• Attaching the cover is recommended to protect terminals when not in use.

• To attach



Place the dent on the left to insert.

• To remove



Press the dent.

Hold the protrusion to remove.

5.4.6. For speakers

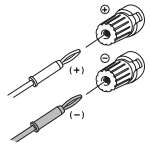
Connecting other speakers

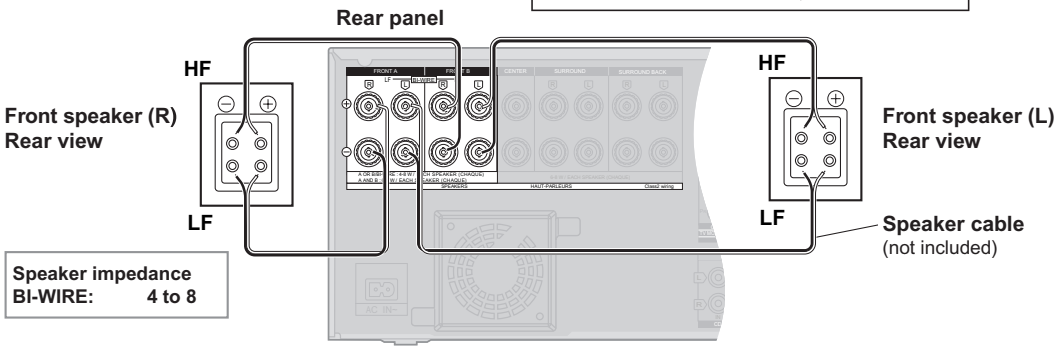
To connect bi-wire speakers

Make sure to select ***YES*** in Making bi-wire setting when you connect the unit to bi-wire speakers. The speakers do not produce adequate sounds unless you make this setting.

If using 4-mm plug

Turn speaker terminals clockwise and tighten them before inserting plugs into their holes.



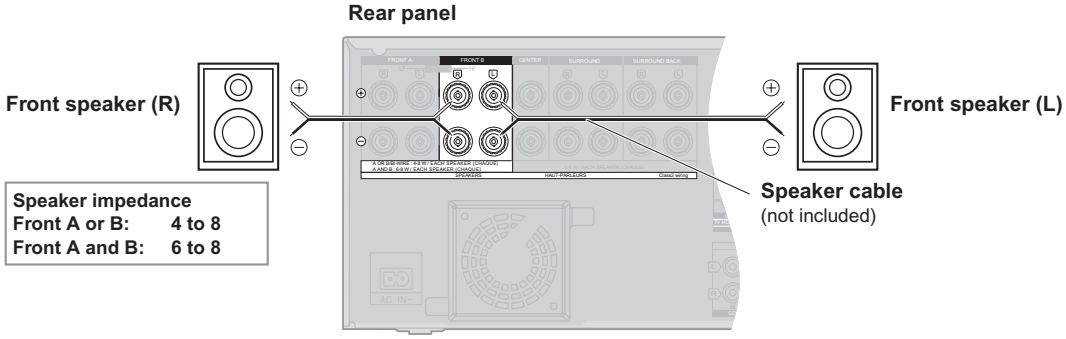


Note

- Make sure to connect speakers HF terminals with the unit s FRONT B terminals, and speakers LF terminals with the unit s FRONT A terminals.
- Different amps for high frequency and low frequency signals produce BI-AMP stereo sounds that are clearer and higher in audio quality when you play on 2 channels sources containing analog audio and 2-channel PCM signals.
- When connecting speakers with the impedance of 4, make sure to set ***4 OHMS*** in Setting the speaker impedance

To connect a second pair of front speakers (SPEAKERS B)

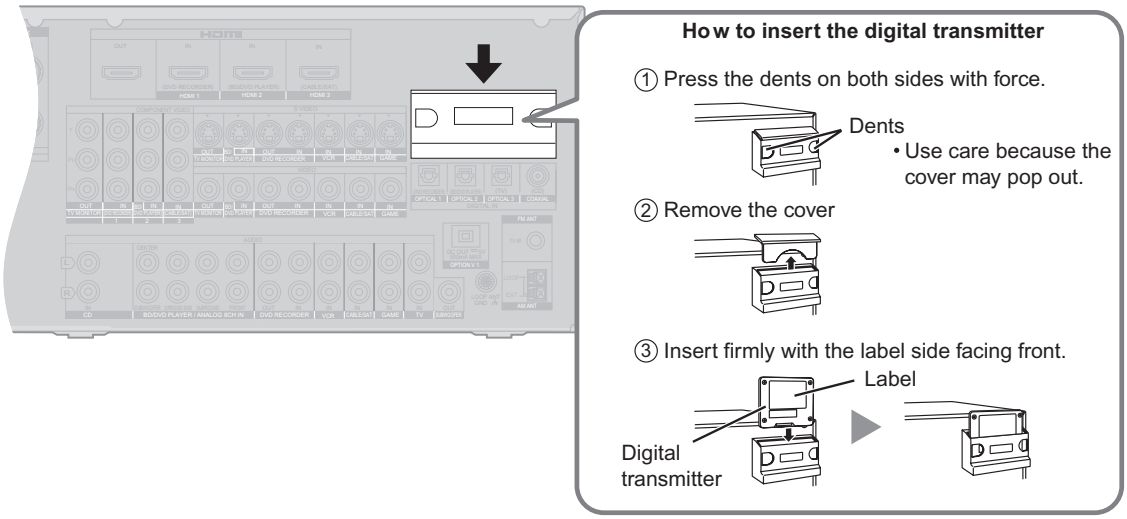
Make the following connections when you wish to install a second pair of speakers in another room and enjoy music there.



To enjoy wireless audio with SH-FX67

You can connect left and right surround speakers wirelessly by using Panasonic SH-FX67 (a set consisted of a digital transmitter and a wireless system sold separately) with the unit.
To use these options, insert the digital transmitter into the unit s digital transmitter terminal and connect surround speakers to SH-FX67's wireless system. See SH-FX67's operating instructions for details.

Rear panel



Note

[About MULTI ROOM function]

- When the surround speakers are not used wirelessly, you can use wireless speakers to enjoy music in another room while enjoying the surround playback with speakers connected to this unit (MULTI ROOM).
- Make sure to set ***MULTI ROOM*** in Setting wireless speakers to enjoy using MULTI ROOM function.
- Set SH-FX67 s surround selector to 5.1ch playback mode when using MULTI ROOM function.
- See SH-FX67 s operating instructions for more information.

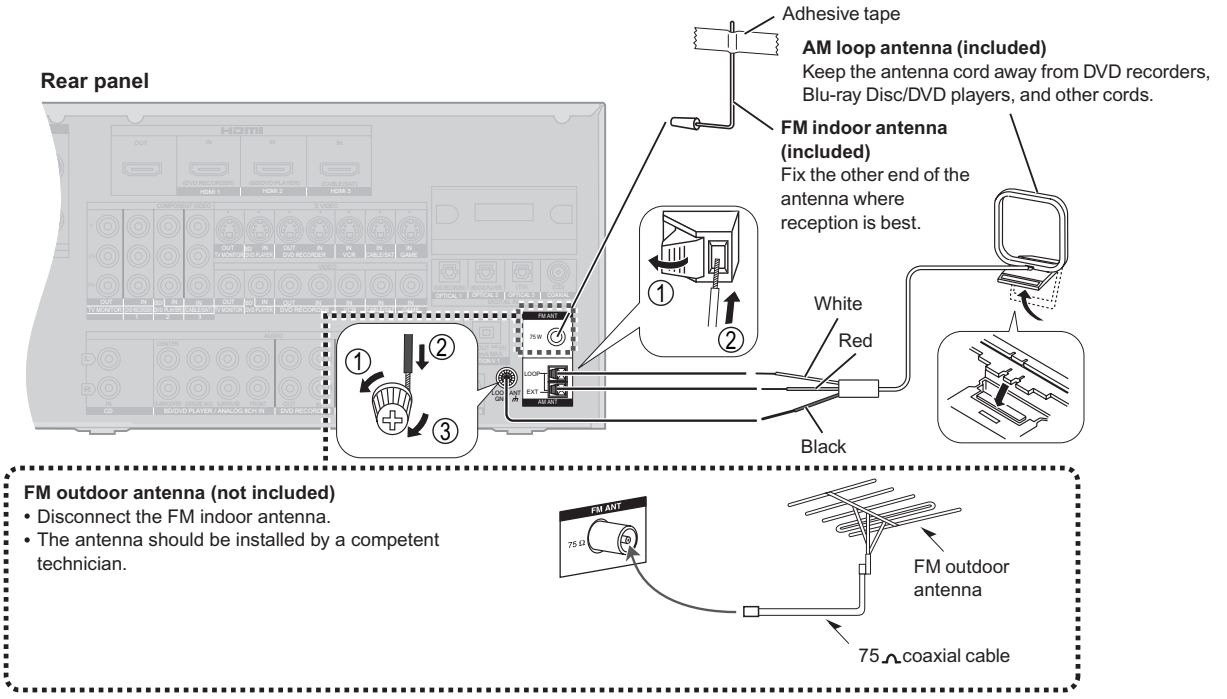
[About 7.1 channel playback]

- By using 2 sets of SH-FX67, you can enjoy 7.1 channel playback, making the surround speakers and surround back speakers wireless. In that case, make ID number setting
- Setting of the surround selector on SH-FX67 is necessary for 7.1 channel playback.
- See SH-FX67 s operating instructions for more information.

Connecting antennas

When finished connecting antennas, tune the radio station once and fix the antennas where reception is best

Rear panel



FM outdoor antenna (not included)

- Disconnect the FM indoor antenna.
- The antenna should be installed by a competent technician.

6 Self-Diagnosis and Display Function

This unit is equipped with the self diagnosis display function, which alarms faulty operation with error code. Use this function during servicing.

6.1. Automatically Displayed Error Codes

An error code automatically appears on the display (FL Display) when faulty operation is detected. Refer to Fig. 6.1.

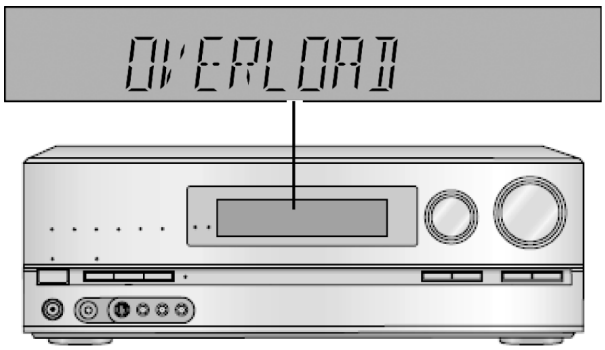


Fig 6.1

6.2. Display Details

6.2.1. Display Details Table 1

Refer to the following table.

LCD Display	Symptom	Cause and Remedy
Overload	Speaker short, amplifier failure	Speaker short and failure in power amplifier, pre-amplifier circuit. Check for faulty parts and replace with new parts if necessary.
	Temperature protection activated	
F61	The abnormalities in an output or power supply circuit of POWER AMP	In normal operation, when DCDET2 goes to “L” (Low) (Not during POWER OFF condition), F61 appears on FLDisplay for 1 second and PCONT goes to “L” (Low). This is due to speaker output has DC voltage or fan is not working.
F70	Communication error between sub microprocessor and its peripheral LSI	Failure sub microprocessor and its peripherals LSI. Check for faulty parts and replace with new parts if necessary.
F76	When the power is turned on, the unit power automatically turns off; the power cannot be turned on	Failure in the power circuit system of unit. This may happen when the direct current electricity is supplied to speaker terminals. Check for the above and replace with new parts if necessary.

6.2.2. Display Details Table 2

Refer to the following table.

Message	Cause/countermeasure
U701	The equipment connected by the HDMI cable is not compatible with the unit’s copyright protection technology.
U703	Should anything unusual happen using an HDMI connection: Consult your dealer if the sign remains on the display after these steps. ●Turn the connected equipment off and on again. ●Pull out the HDMI cable then reinsert it. ●Reduce the number of equipment connected in series to the HDMI terminal if exceeding 2 units.
U704	The unit has received a signal for a picture format that is incompatible with the HDMI connection. Check the settings of the connected equipment.
REMOTE 1 or REMOTE 2	Match the modes on the main unit and the remote control.
CANCEL MUTING FUNCTION	Muting is on. Press [MUTING] on the remote control to cancel the function.
NO C AND LS/RS SPEAKERS	Center and surround speakers are set as absent. Change their setting to present.

Message	Cause/countermeasure
NO LS/RS SPEAKERS	Surround speakers are set as absent. Change their setting to present.
NO LS/RS AND SBL/SBR SPEAKERS	Surround and surround back speakers are set as absent. Change their setting to present.
NO SBL/SBR SPEAKERS	Surround back speakers are set as absent. Change their setting to present.
NOT POSSIBLE FOR ANALOG 8CH INPUT	You are trying to use the effect unavailable for analogue 8-channel playback.
NOT POSSIBLE FOR THIS INPUT SOURCE	You are trying to use the effect unavailable for the current input source.
PCM FIX (flashing)	The unit is in the “PCM FIX” mode. Cancel this mode.
SELECT SPEAKER A	“SPEAKERS A” is off. Select “SPEAKERS A”.
SPEAKER ARE OFF	“SPEAKERS A” and “SPEAKERS B” are off. Select “SPEAKERS A” or “SPEAKERS B”.
NOT SUPPORT FOR THIS WIRELESS SYSTEM	Not compatible with this wireless system.

6.3. Overload/Shutdown Detection internal Condition

It detects OVERLOAD, POWER MALFUNCTION with [THRM_DET], [SHORT_DET] and [DC_DET] input port. It detects the following condition depending on the input of the port as below table.

(H: DC around 5V / L: DC around 0V)

PROT			Detection of malfunction	Display and operation
SHORT_DET	THRM_DET	DC_DET		
H	L	H	Normal	----
H	H	H	High Temp	Refer to ‘THERMAL PROTECTION’
L	L	H	Speaker short Malfunction of Amplifier	[OVERLOAD] / POWER OFF
L	H	H	Detection of THERMAL PROTECTION	
-	-	L	Detection of POWER MALFUNCTION	[_ _ _F76_ _ _] / POWER OFF

6.4. Overload/Thermal Detection Display

When overload is detected, automatic POWER OFF will our. But if any key on the remote control other than the [POWER] key is pressed before that, the scroll display will show [SWITCH_OFF_POWER]/ Then, 1 second after display of message, [OVERLOAD] will be shown on the scroll display.

6.5. Activating Self Diagnosis Function (Service Mode)

This mode can be used during servicing.

1. Plug the AC cord to the power source. Press and hold down the [OK] button and the [SPEAKER A] button, and then press the [POWER] button at the same time.

2. The Message, [SERVICE] appears on the display for three seconds, and then it will display the following. Refer to Fig.6.2.

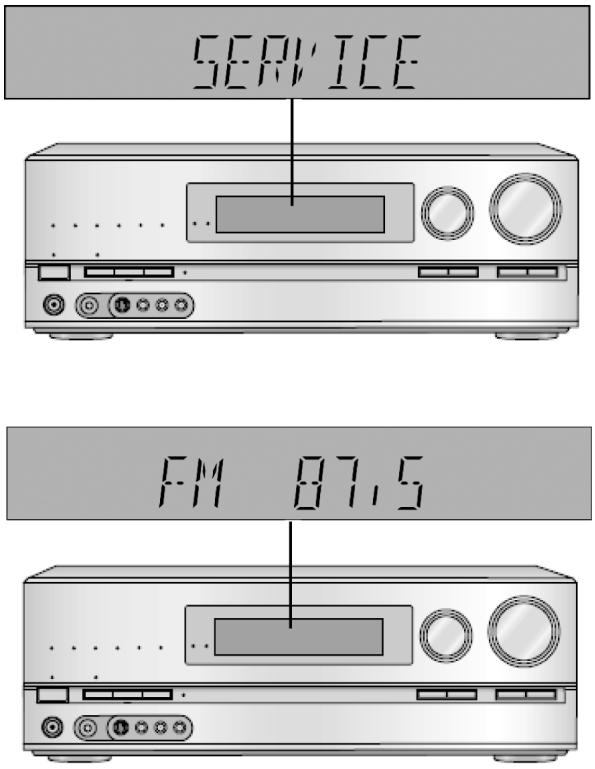


Fig 6.2

3. When the [SPEAKER A] button is pressed, the current program filing number [M45_XXXX] appears. The XXXX digit indicates the ROM checksum used for ROM collection, and if the unit is not loaded with ROM, “NO” appears.

To Confirm the HDMI µP software version: When [SPEAKER B] button is pressed, [H21_XXXX] is displayed.

To confirm the DSP firmware version: When ‘SURROUND’ button is pressed, like ‘D1.02/2.20’ is displayed for 3 seconds.

6.6. Returning to Normal Display

Press the [POWER] button on the unit to exit the function. The power is turned off

6.7. Activating Self Diagnosis Function (Doctor Mode)

This mode can be used during servicing.

1. Plug the AC adapter to the power source. Press and Hold down the [SETUP] button and the [SPEAKER A] button, and then press the [POWER] button at the same time.
2. Initialize all the setting and set the frequency “93.4MHz” to Tuner.
   The message, “_DOCTOR_” appears on the display for three seconds, and then it will display the following. Refer to Fig. 6.3.

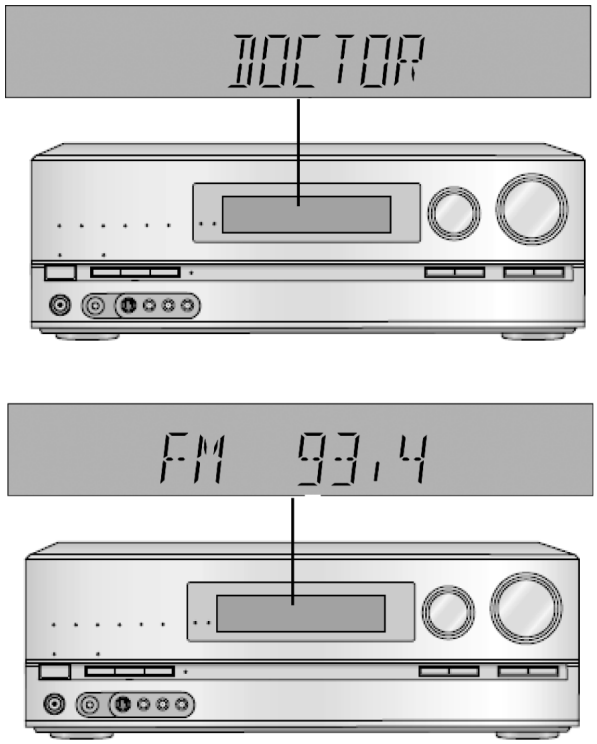


Fig 6.3

3. Doctor mode function at some remote control codes as below table.

Remote Control	Test Mode Function and settings			
	Selector	Surround	Other settings	Vol/Tone
CH 1	TUNER	OFF	Frequency: FM min.	-48dB/0dB
CH 2	TUNER	OFF	Frequency: FM max.	-48dB/0dB
CH 3	TUNER	OFF	FM 98.3MHz	-18dB/0dB
CH 4	TUNER	OFF	Frequency: AM min.	-48dB/0dB
CH 5	TUNER	OFF	Frequency: AM max.	-48dB/0dB
CH 6	TUNER	OFF	AM 765kHz (9kHz/step)	-18dB/0dB
CH 7	TUNER	OFF	AM 770kHz (10kHz/step)	-18dB/0dB
CH 8	If the input selector is TUNER, auto tuning function is started to upward on current frequency.			
CH 9	If the input selector is TUNER, auto tuning function is started to downward on current frequency.			
CH 10	All indicators of FL and LED are lit. Note: After the setting, only 'POWER' button to 'Checker Command' code by the remote control can be entered.			
CH UP	Check Main uP software version.			
CH DOWN	Sub uP software version and HDMI uP software version are displayed at each time pressing.			
≧10	BD/DVD P.	-----	All CH Output Mode	-18dB/0dB
MUTING	BD P. 8CH	-----		-18dB/0dB
INPUT SELECTOR	AUX	OFF	Analog	-18dB/0dB
PLIIx	CD	OFF	Analog	-18dB/0dB
NEO:6	TV	OFF	Analog	-18dB/0dB
SOUND	BD/DVD P.	OFF	Analog	-18dB/0dB
DVD R.	DVD R.	OFF	Analog	-18dB/0dB
CABLE/SAT	CABLE/SAT	OFF	Analog	-18dB/0dB
BD/DVD P.	GAME	OFF	Analog	-18dB/0dB
OFF	BD/DVD R.	OFF	Digital (OPT 1)	-48dB/0dB
SFC MOVIE	BD/DVD P.	OFF	Digital (OPT 2)	-48dB/0dB
TV	TV	OFF	Digital (OPT 3)	-48dB/0dB
SFC MUSIC	CD	OFF	Digital (COAX)	-48dB/0dB
TEST	No change	SURROUND	If MIC is not inserted, scan the test noise out put channel with 500ms intervals	-18dB/0dB
	AUX	STEREO	If MIC is inserted, mic input is selected and it is output to speaker in analog mode	-18dB/0dB
DISPLAY	If the input selector is TUNER in E2 mode, Display Mode (PS/PTY/RT) is changed			

6.8. Wireless Link

When [^^P^^^^^^] displaying. Power off, Except Pressing Main unit [TUNE ∧] +Remote control [3] at the same time. All operation

is not function. (Volume adjustment or Mute also unfunction)

<FX67 Common frequency fixed method>

Preparation: Beforehand, press remote control [FM/AM], remote control side, will appear FM/AM code stage.

Below is operation of wireless frequency fixed method.

Function	Button	Condition	Display
RF ch1 Fix (Claim measure)	Main unit [TUNE ∨] +Remote Control [4] (0xA00413)	When P-ON, Press 5sec above at the same time.	FL [^RF^^^CH1^] 3sec event display
RF ch2 Fix (Claim measure)	Main unit [TUNE ∨] +Remote Control [5] (0xA00414)	When P-ON, Press 5sec above at the same time.	FL [^RF^^^CH2^] 3sec event display
RF ch3 Fix (Claim measure)	Main unit [TUNE ∨] +Remote Control [6] (0xA00415)	When P-ON, Press 5sec above at the same time.	FL [^RF^^^CH3^] 3sec event display
RF ch AUTO	Main unit [TUNE ∨] +Remote Control [7] (0xA00416)	When P-ON, Press 5sec above at the same time.	FL [^RF^^^AUTO^] 3sec event display

7 Assembling and Disassembling

“ATTENTION SERVICER”

Be careful when disassembling and servicing.

Some chassis components may have sharp edges.

Special Note:

1. **This section describes the disassembly procedures for all the major printed circuit boards and main components.**
2. **Before the disassembly process was carried out, do take special note that all safety precautions are to be carried out. (Ensure that no AC power supply is connected during disassembling.)**
3. **For assembly after operation checks or replacement, reverse the respective procedures. Special reassembly procedures are described only when required.**
4. **Do take note of the locators on each printed circuit board during reassembling procedures.**
5. **The Switch Regulator IC may have high temperature after prolonged use.**
6. **Use caution when removing the top cabinet and avoid touching heat sinks located in the unit.**

CAUTION: HOT!!
PLEASE DO NOT
TOUCH THE HEAT SINK

7. **Select items from the following index when checks or replacement are required.**

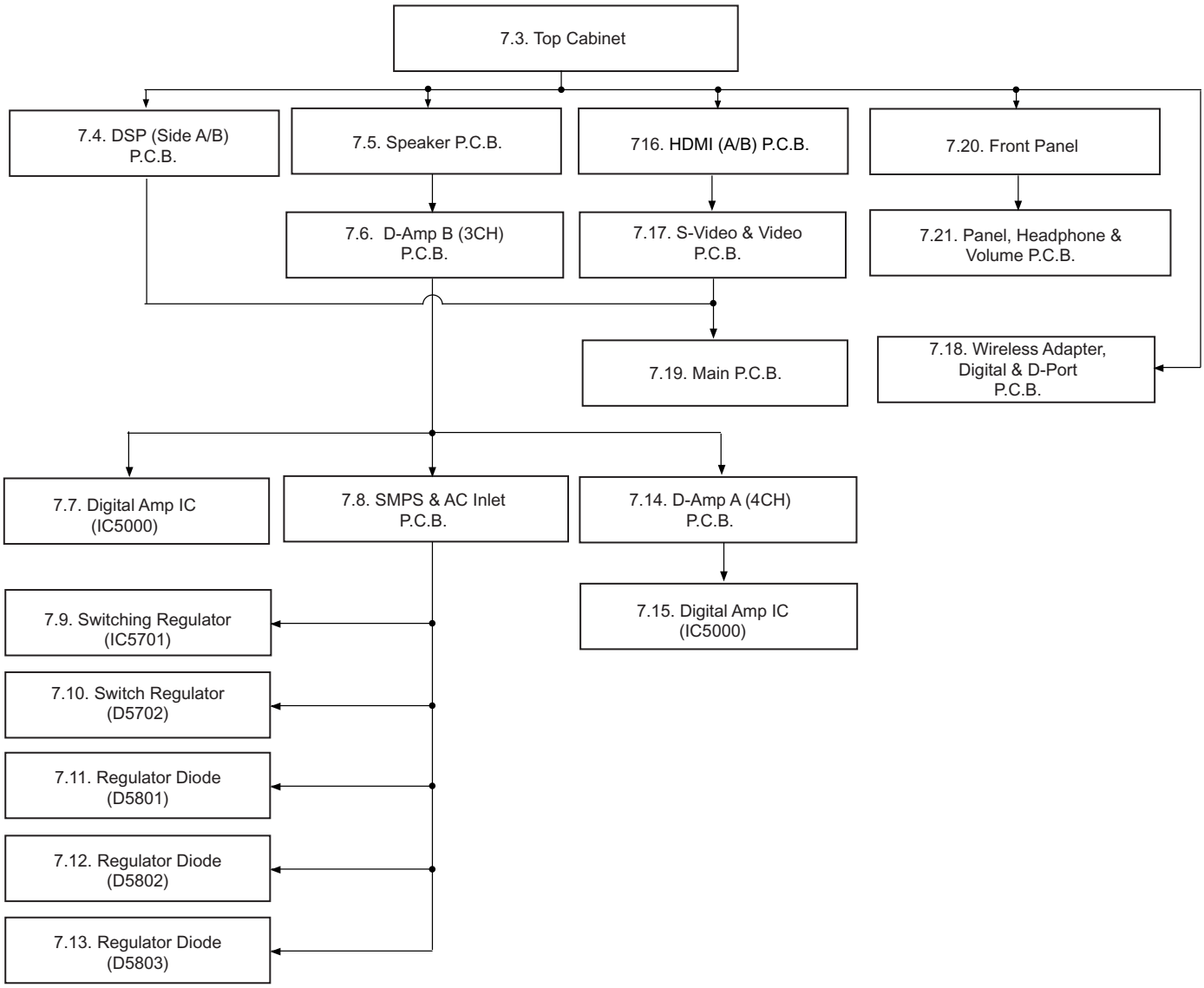
- Disassembly of Top Cabinet
- Disassembly and Checking of DSP P.C.B.
- Disassembly and Checking of Speaker P.C.B.
- Disassembly and Checking of D-Amp B (3CH)/ Fan P.C.B.
- Disassembly and Checking of SMPS/ AC Inlet P.C.B.
- Disassembly and Checking of D-Amp A (4CH) P.C.B.
- Disassembly and Checking of HDMI P.C.B.
- Disassembly and Checking of S-Video/ Video P.C.B.
- Disassembly and Checking of Wireless Adapter/ Digital/ D-Port P.C.B.
- Disassembly and Checking of Main P.C.B.
- Disassembly of Front P.C.B.
- Disassembly and Checking of Panel/ Headphone/ Volume P.C.B.

CAUTION NOTE:
Please use original screw and at correct locations.

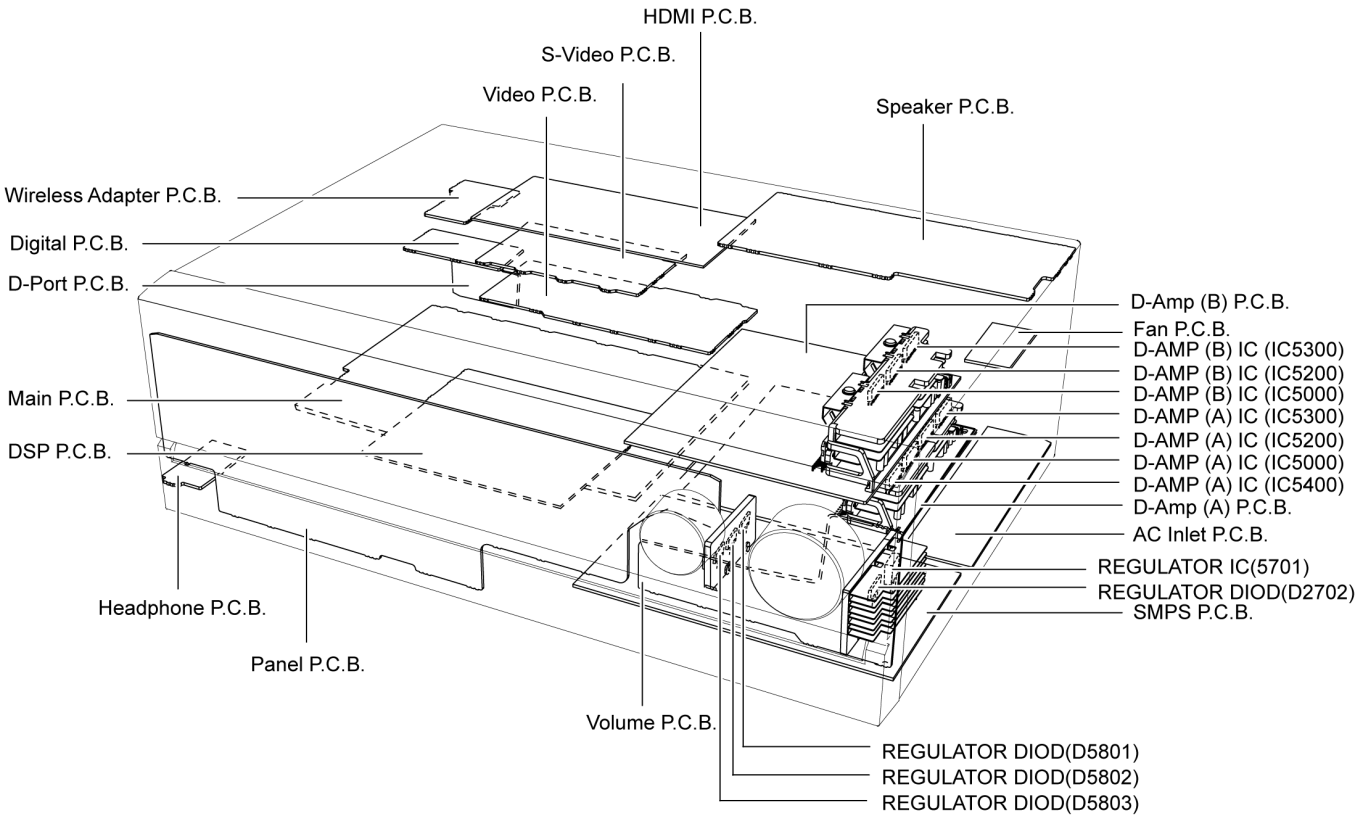
Below shown is part no. of different screw types used:

a :RHD30007-K2J	e :RHD30111-31
b :RHD30119-K	f :RHN90001-1
c :XYN3+C8FJK	g :XTW3+8TFJ
d :RHD26046-L	h :XTB3+10JFJ

7.1. Disassembly Flow Chart



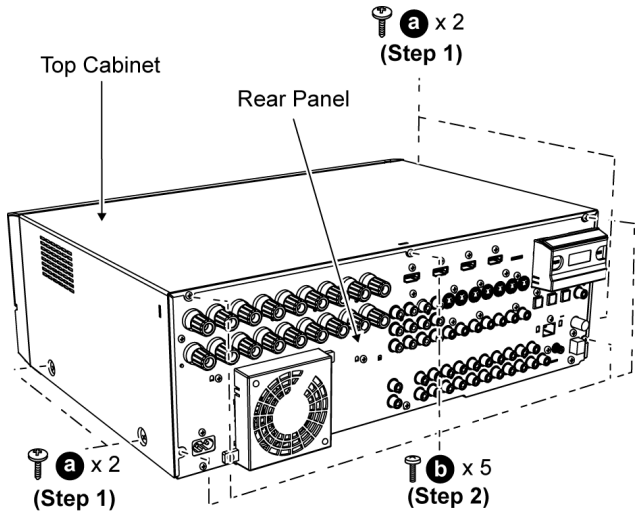
7.2. Main Components and P.C.B. Locations



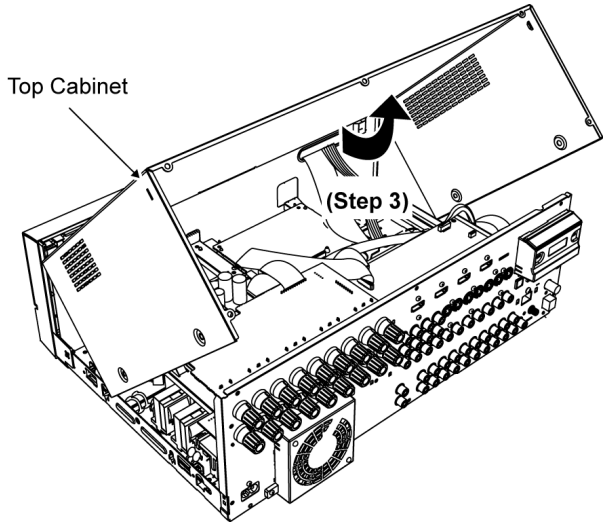
7.3. Disassembly of Top Cabinet

Step 1 Remove 4 screws at the sides of the top cabinet.

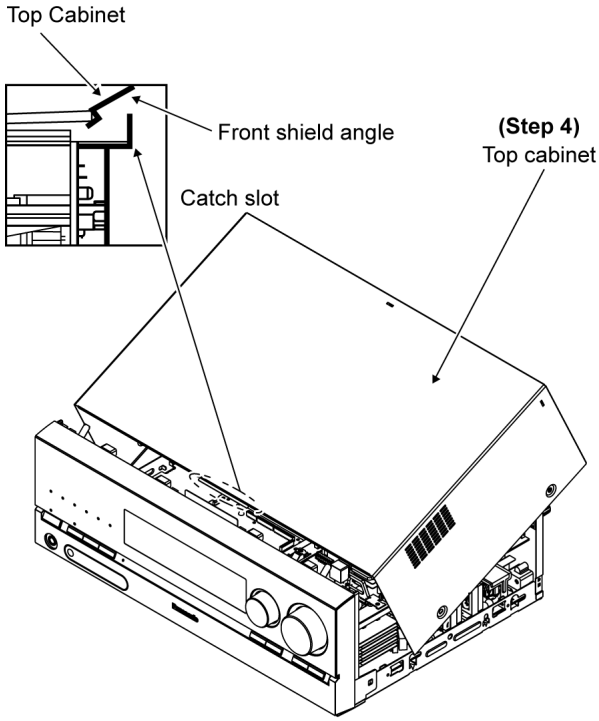
Step 2 Remove 5 screws at the rear of the top cabinet.



Step 3 Lift up the top cabinet as arrow shown.



Step 4 Remove the top cabinet.



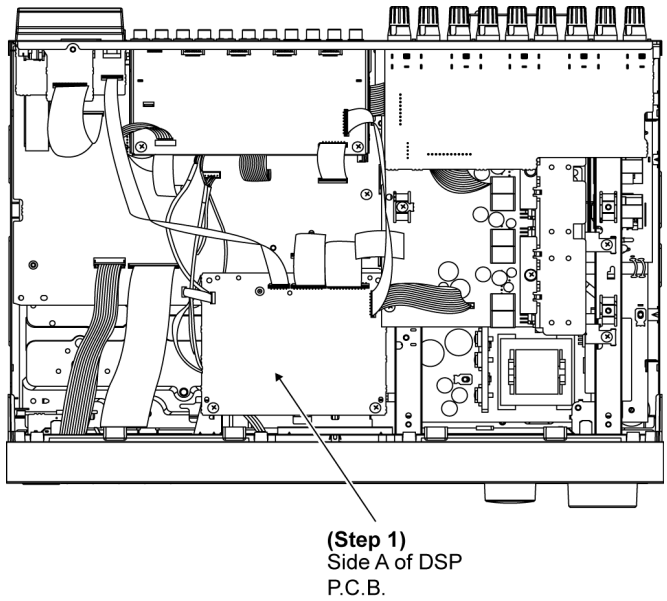
NOTE:
Be careful of the catch slot between front shield angle and front panel when removing the top cabinet from the unit.

7.4. Disassembly and checking of DSP (Side A/B) P.C.B.

- Follow (Step 1) to (Step 4) of Item 7.3.

- Checking Side A of DSP P.C.B.

Step 1 Proceed to check Side A of DSP P.C.B..

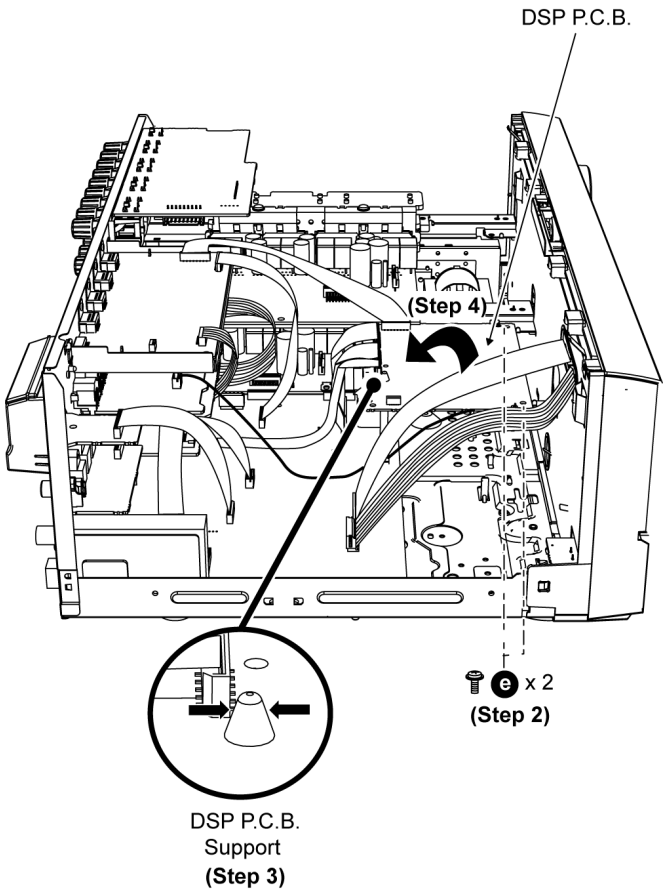


- Checking Side B of DSP P.C.B.

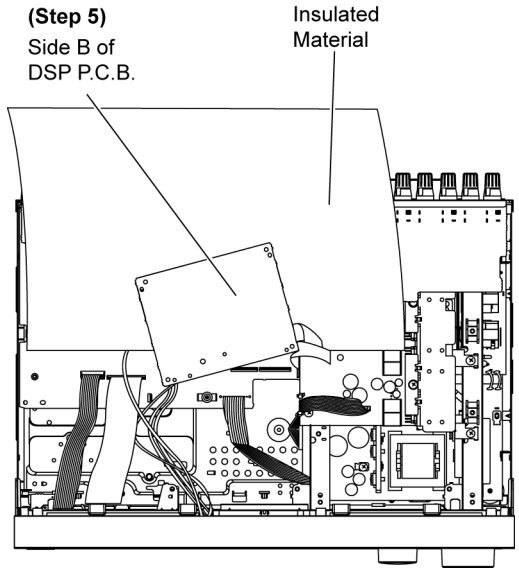
Step 2 Remove 2 screws on DSP P.C.B..

Step 3 Release DSP P.C.B. support on DSP P.C.B..

Step 4 Flip the DSP P.C.B. as arrow shown.



Step 5 Proceed to check Side B of DSP P.C.B..



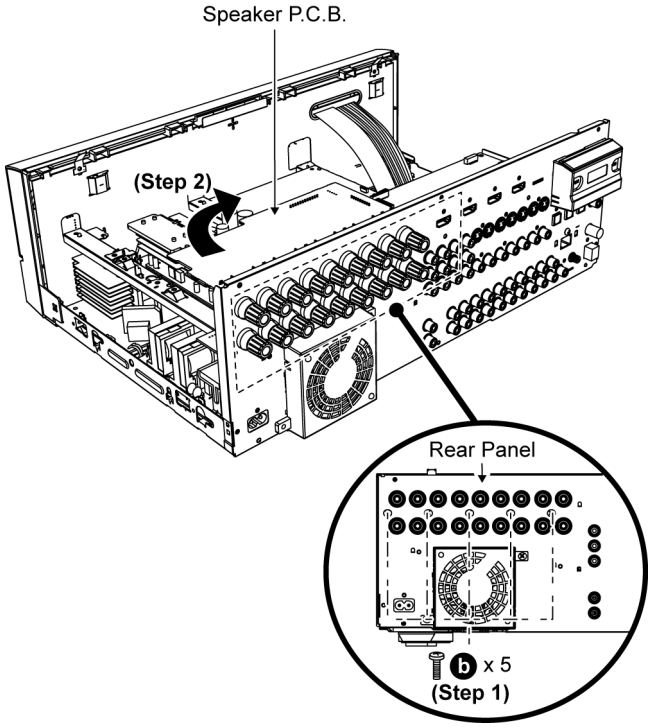
Caution: Insulate DSP P.C.B. from other parts by insulating material (e.g.: plastic).

7.5. Disassembly and checking of Speaker P.C.B.

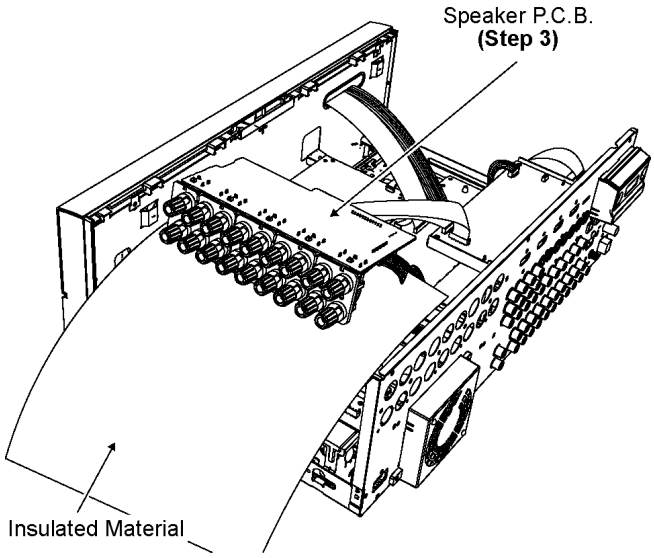
- Follow (Step 1) to (Step 4) of Item 7.3.

Step 1 Remove 5 screws at rear panel.

Step 2 Move the Speaker P.C.B. as arrow shown.



Step 3 Proceed to check the Speaker P.C.B.



Caution: Insulate Speaker P.C.B. from other parts by insulating material (e.g.: plastic).

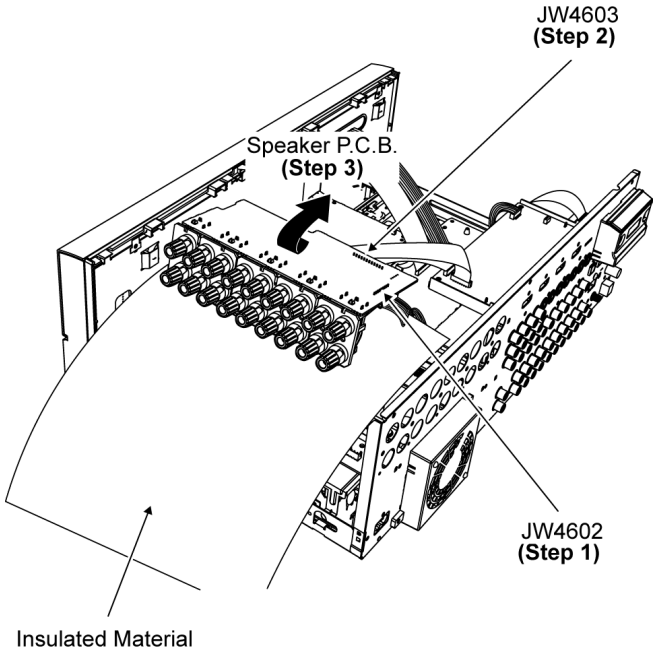
7.6. Disassembly and checking of D-Amp B (3CH) & Fan P.C.B.

- Follow (Step 1) to (Step 4) of Item 7.3.
- Follow (Step 1) to (Step 3) of Item 7.5.

Step 1 Detach 12P cable at the connector (JW4602) on Speaker P.C.B..

Step 2 Detach 9P cable at the connector (JW4603) on Speaker P.C.B..

Step 3 Flip Speaker P.C.B. as arrow shown

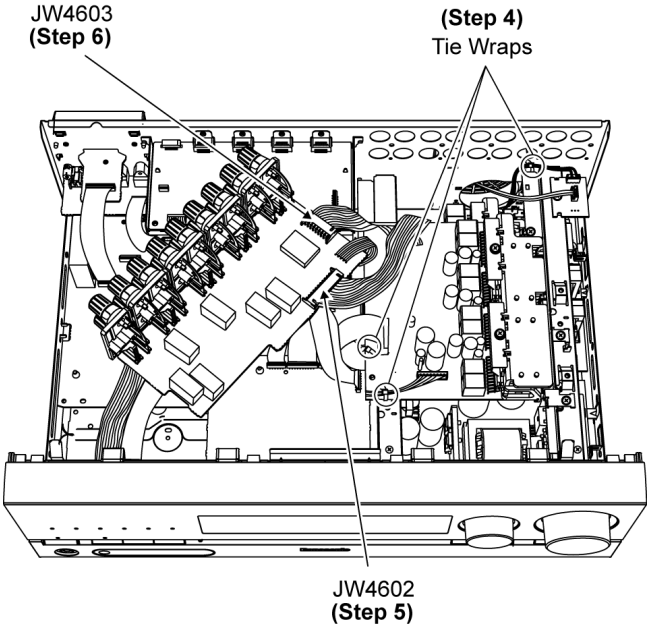


Step 4 Cut 3 tie wraps.

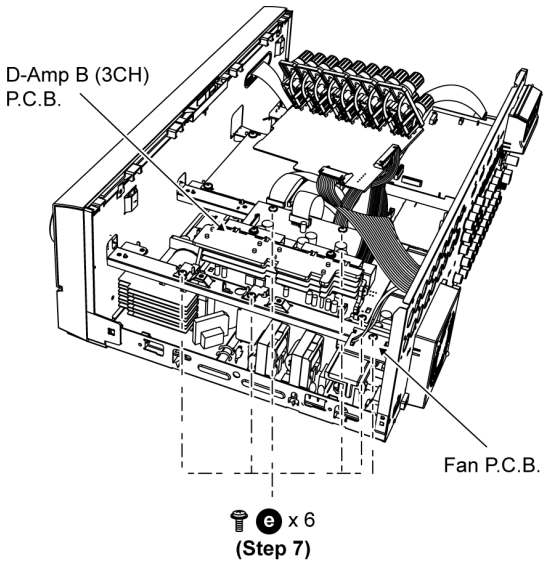
Note: During assembling it is necessary to use tie wraps.

Step 5 Attach 12P cable to the connector (JW4602) on Speaker P.C.B..

Step 6 Attach 9P cable to the connector (JW4603) on Speaker P.C.B..



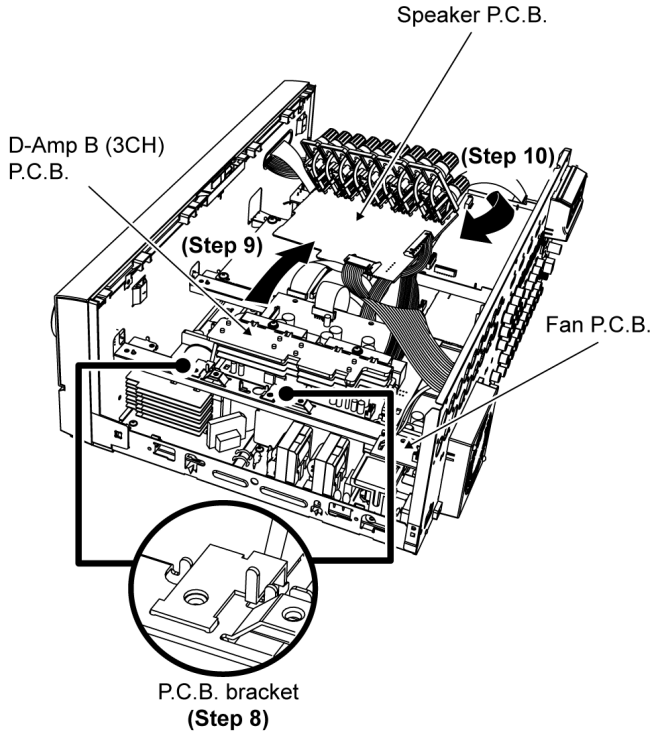
Step 7 Remove 6 screws on D-Amp B (3CH) and Fan P.C.B.



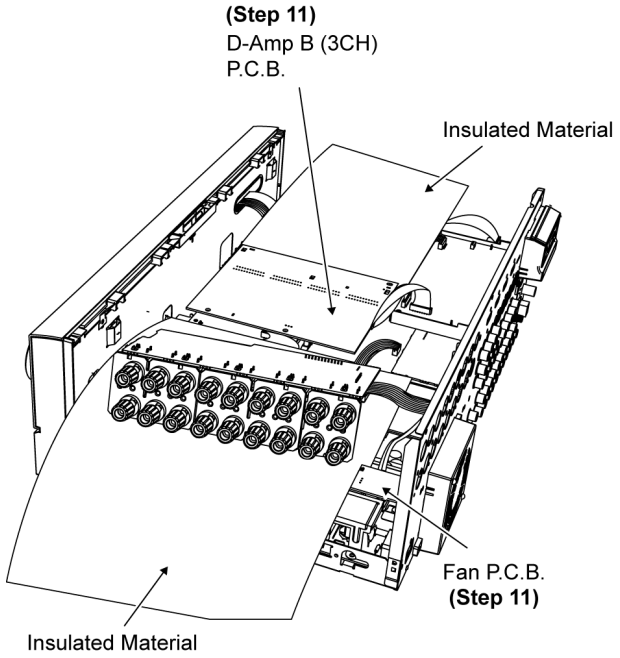
Step 8 Remove 2 P.C.B. bracket on D-Amp B (3CH) P.C.B.

Step 9 Flip D-Amp B (3CH) and Fan P.C.B. as arrow shown.

Step 10 Move Speaker P.C.B. as arrow shown.

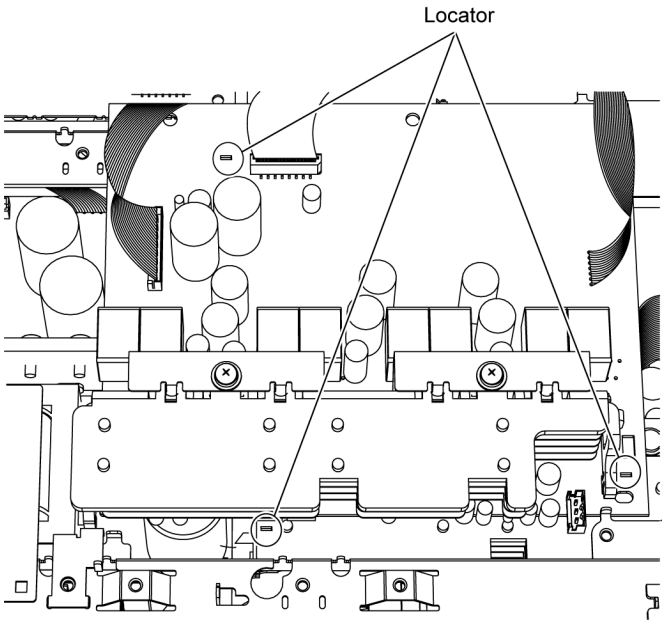


Step 11 Proceed to check D-Amp B (3CH) and Fan P.C.B.



Caution: Insulate Speaker P.C.B. from other parts insulating material (e.g.: plastic).

Special Note: During reassembling procedures, ensure the P.C.B. is seated properly at the locators.



7.7. Replacement of Digital Amp IC (IC5000) of D-Amp B (3CH) P.C.B.

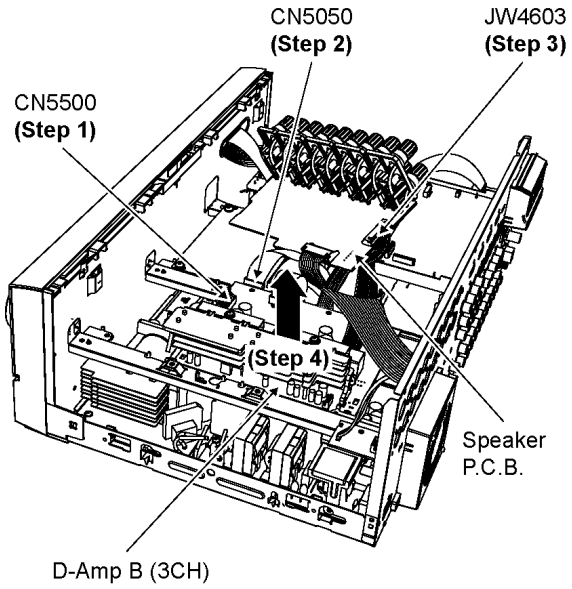
- Follow (Step 1) to (Step 4) of Item 7.3.
- Follow (Step 1) to (Step 3) of Item 7.5.
- Follow (Step 1) to (Step 8) of Item 7.6.

Step 1 Detach 8P cable at the connector (CN5500) on D-Amp B (3CH) P.C.B.

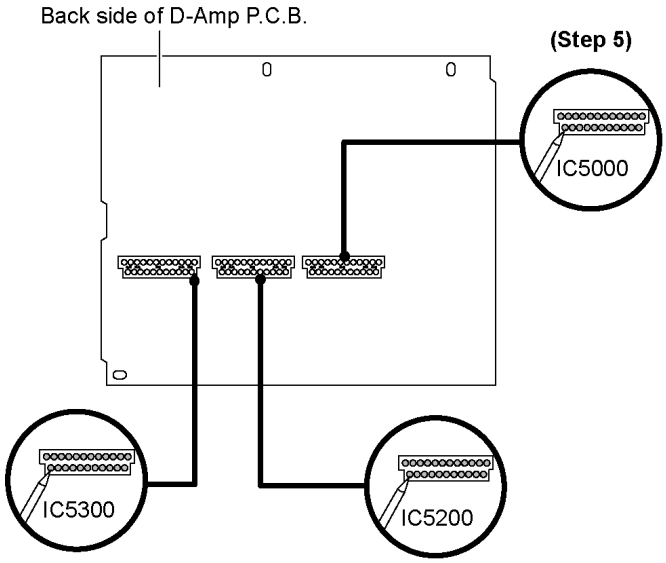
Step 2 Detach 17P FFC cable at the connector (CN5050) on D-Amp B (3CH) P.C.B.

Step 3 Detach 9P cable at the connector (JW4603) on Speaker P.C.B.

Step 4 Remove the D-Amp B (3CH) P.C.B. as arrow shown.



Step 5 Desolder pins of the digital amp IC (IC5000) on the back side of D-Amp P.C.B.

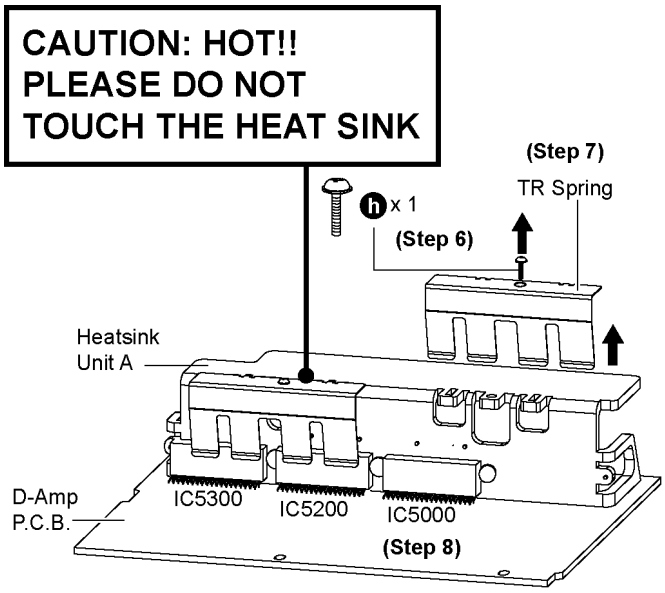


Step 6 Remove 1 screw from the top of the heatsink unit A.

Step 7 Remove the TR spring in the direction of the arrow.

Step 8 Remove the digital amp IC (IC5000) from the heatsink unit A.

Caution: Handle the heatsink unit A with caution due to its high temperature after prolonged use. Touching it may lead to injuries.



Special Note: For replacement of IC5200, IC5300, repeat the (Step 1) to (Step 8). Refer to the diagrams of D-Amp B (3CH) P.C.B. (Item 14.8) for location of the parts.

7.8. Disassembly and checking of SMPS & AC Inlet P.C.B.

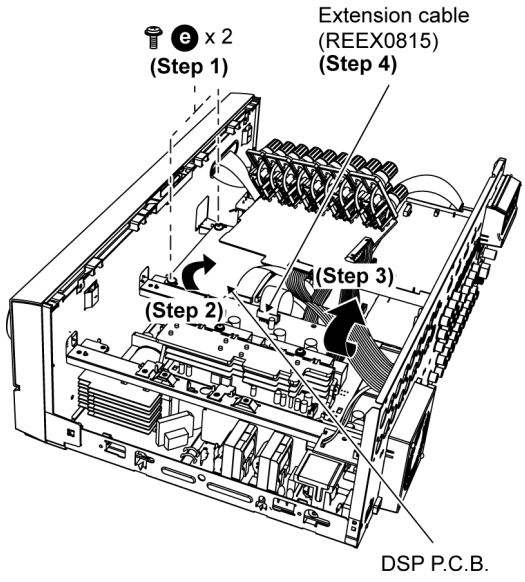
- Follow (Step 1) to (Step 4) of Item 7.3.
- Follow (Step 1) to (Step 3) of Item 7.5.
- Follow (Step 1) to (Step 10) of Item 7.6.

Step 1 Remove 2 screws on DSP P.C.B.

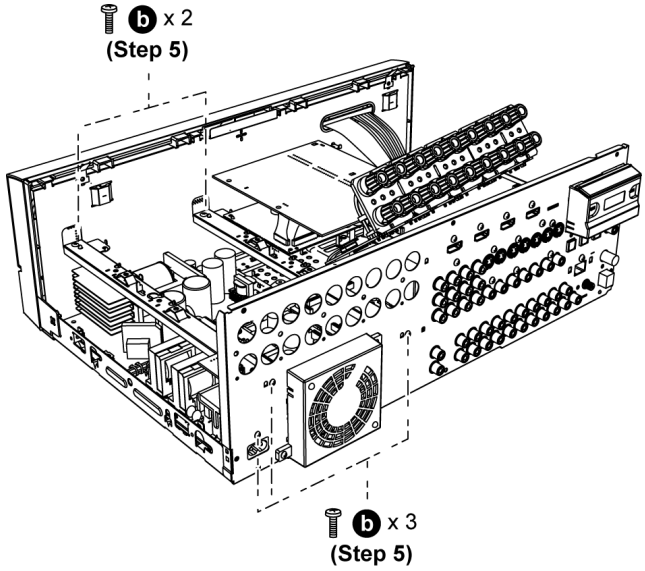
Step 2 Move aside DSP P.C.B. as arrow shown.

Step 3 Flip D-Amp P.C.B. as arrow shown.

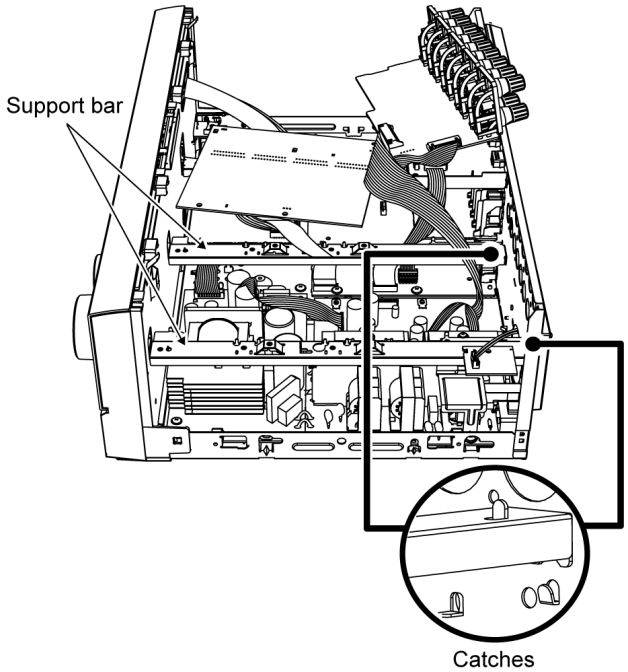
Step 4 Connect extension cable REEX0815 (17P cable from CN2808 to CN5050).



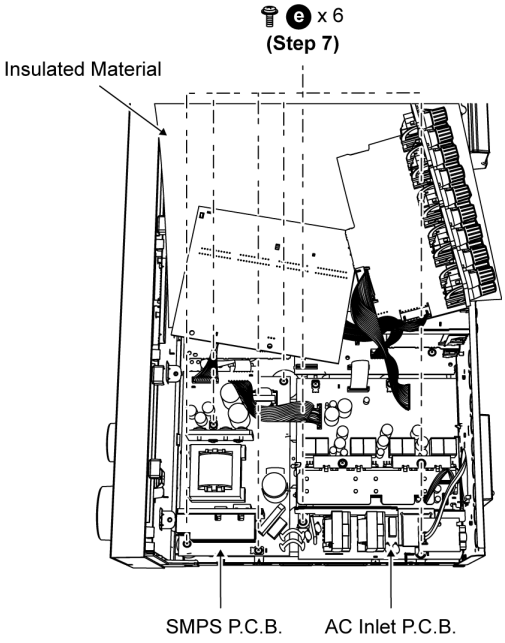
Step 5 Remove 5 screws.



Step 6 Move up the support bar as arrow shown and beware of the catches.



Step 7 Remove 6 screws on SMPS and AC Inlet P.C.B..

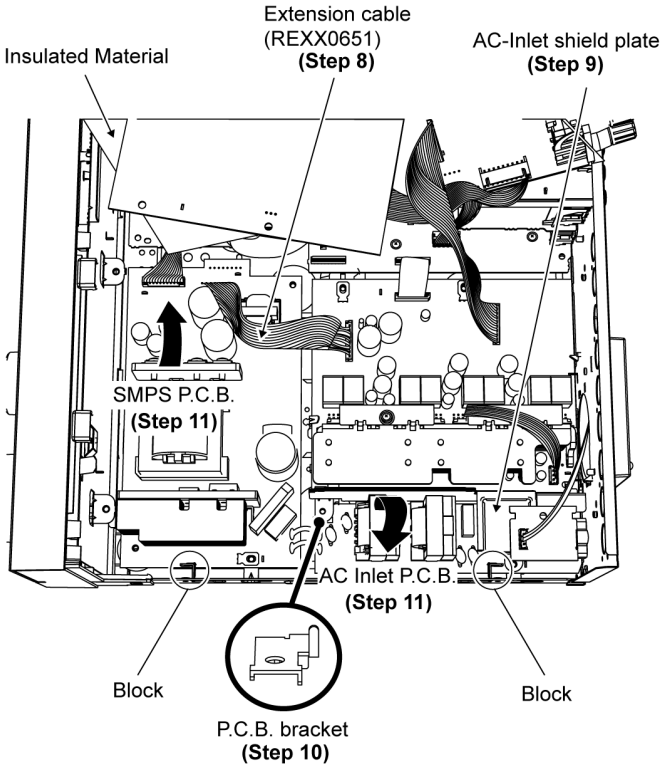


Step 8 Connect extension cable REXX0651 (8P cable from H5801 to CN5500).

Step 9 Remove AC Inlet shield plate unit.

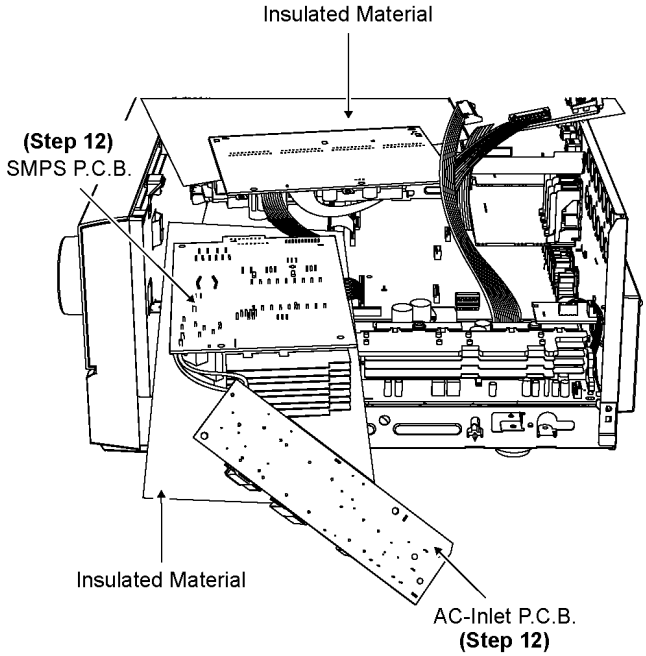
Step 10 Remove P.C.B. bracket.

Step 11 Remove SMPS and AC Inlet P.C.B. as arrow shown.

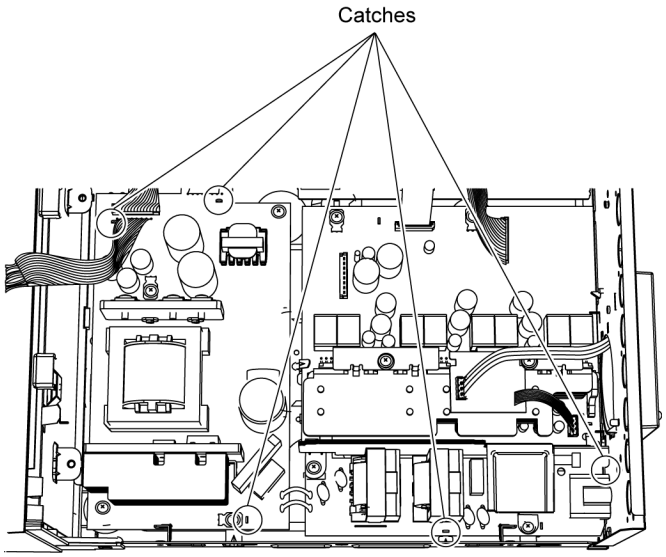


Caution: During reassembling procedures, ensure the SMPS and AC Inlet P.C.B. is seated properly under the blocks.

Step 12 Proceed to check the SMPS and AC Inlet P.C.B.



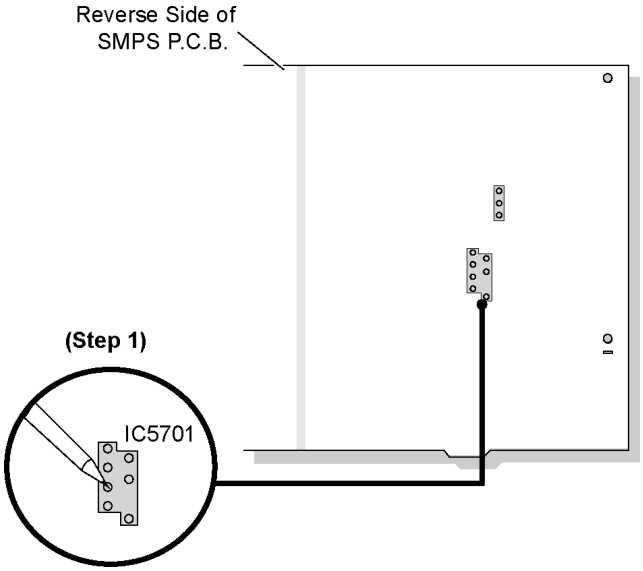
Special Note: During reassembling procedures, ensure the P.C.B. is seated properly at the locators.



7.9. Replacement of Switch Regulator IC (IC5701)

- Follow (Step 1) to (Step 4) of Item 7.3.
- Follow (Step 1) to (Step 3) of Item 7.5.
- Follow (Step 1) to (Step 10) of Item 7.6.
- Follow (Step 1) to (Step 6) of Item 7.8.
- Follow (Step 9) to (Step 11) of Item 7.8.

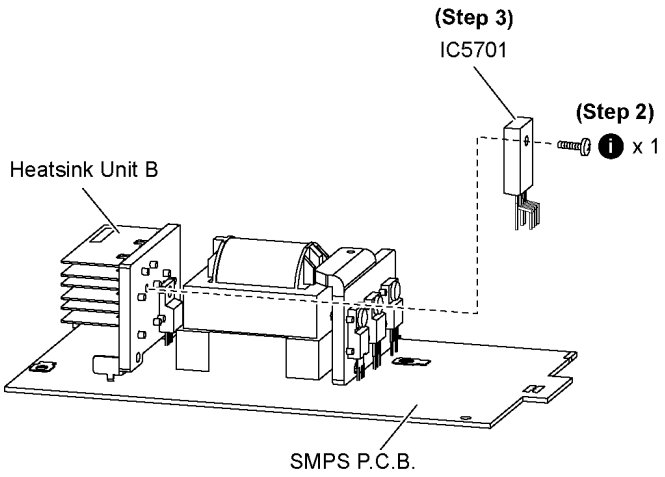
Step 1 Desolder pins of the switch regulator IC (IC5701) on the reverse side of SMPS P.C.B.



Step 2 Remove 1 screw from the switch regulator IC (IC5701).

Step 3 Remove the switch regulator IC (IC5701) from the heatsink unit B.

Caution: Handle the heatsink unit B with caution due to its high temperature after prolonged use. Touching it may lead to injuries.



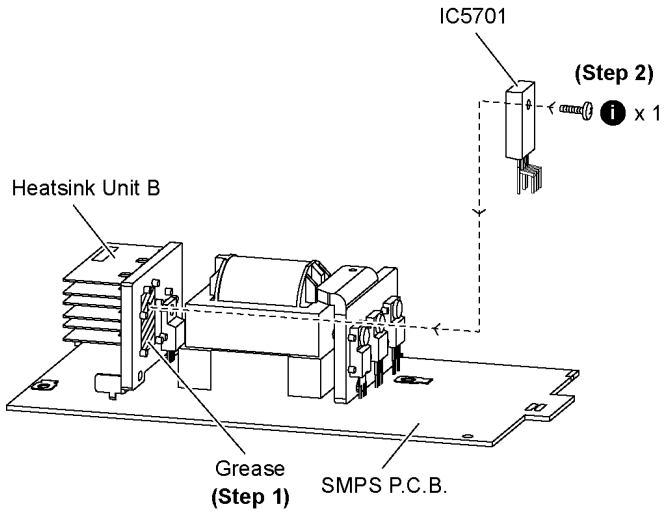
Note: Refer to the diagrams of SMPS P.C.B. (Item 20.7.) for location of the part.

7.9.1. Assembly of Switch Regulator IC (IC5701)

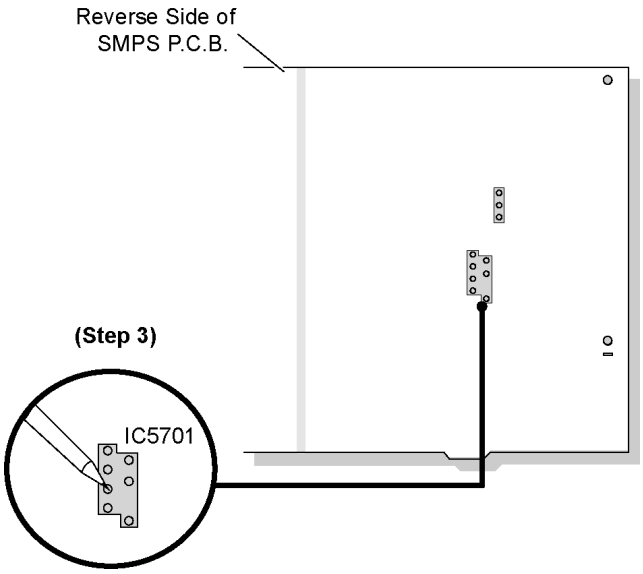
Step 1 Apply grease to the heatsink unit B.

Step 2 Fix and screw the switch regulator IC (IC5701) to the heatsink unit B.

Special Note: Ensure the switch regulator IC (IC5701) is tightly screwed to the heatsink unit B.



Step 3 Solder pins of the switch regulator IC (IC5701) on the reverse side of SMPS P.C.B.



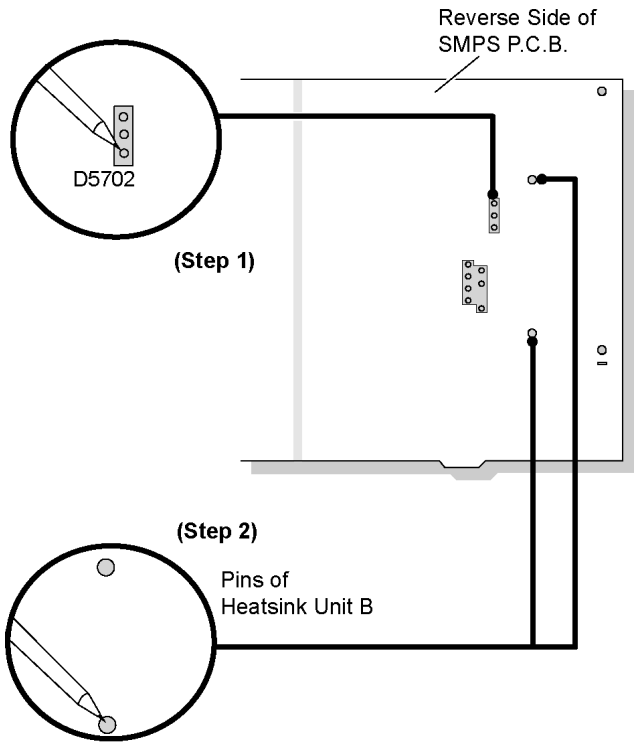
Special Note: Ensure pins of the switch regulator IC (IC5701) are properly seated and soldered on SMPS P.C.B.

7.10. Replacement of Switch Regulator Diode (D5702)

- Follow (Step 1) to (Step 4) of Item 7.3.
- Follow (Step 1) to (Step 3) of Item 7.5.
- Follow (Step 1) to (Step 10) of Item 7.6.
- Follow (Step 1) to (Step 6) of Item 7.8.
- Follow (Step 9) to (Step 11) of Item 7.8.

Step 1 Desolder pins of the switch regulator diode (D5702) on the reverse side of SMPS P.C.B.

Step 2 Desolder pins of the heatsink unit B.



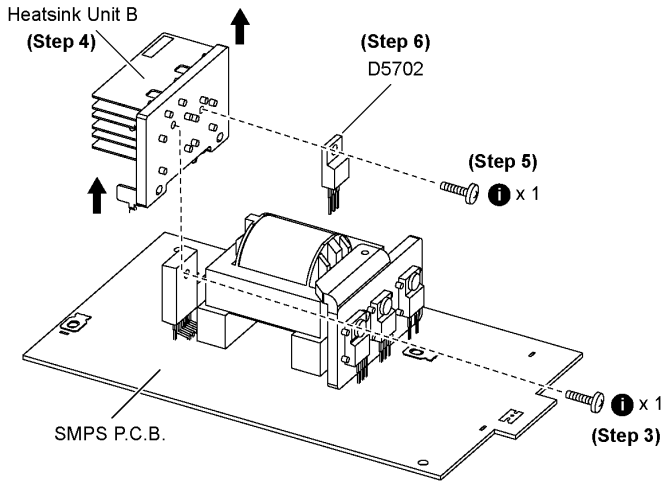
Step 3 Remove 1 screw from the switch regulator IC (IC5701).

Step 4 Remove the heatsink unit B in the direction of arrows.

Step 5 Remove 1 screw from the switch regulator diode. (D5702).

Step 6 Remove the switch regulator diode (D5702) from the heatsink unit B.

Caution: Handle the heatsink unit B with caution due to its high temperature after prolonged use. Touching it may lead to injuries.



Note: Refer to the diagrams of SMPS P.C.B. (Item 20.7.) for location of the part.

7.10.1. Assembly of Switch Regulator Diode (D5702)

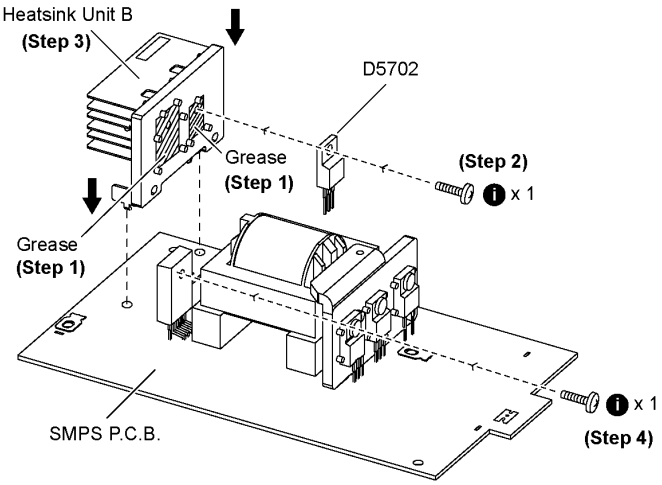
Step 1 Apply grease to the heatsink unit B.

Step 2 Fix and screw the switch regulator diode (D5702) to the heatsink unit B.

Special Note: Ensure the switch regulator diode (D5702) is tightly screwed to the heatsink unit B.

Step 3 Fix the heatsink unit B on SMPS P.C.B. in the direction of arrows.

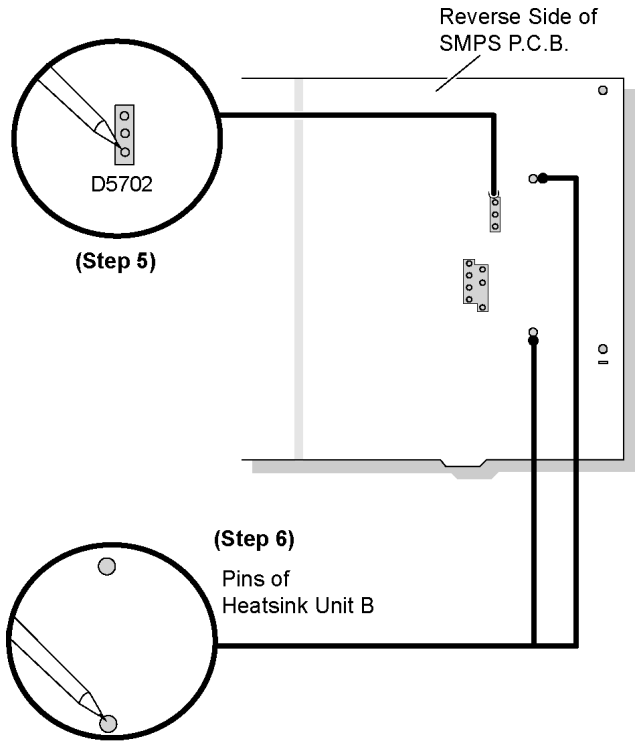
Step 4 Fix and screw the switch regulator IC (IC5701) to the heatsink unit B



Special Note: Ensure the heatsink unit B is properly seated on SMPS P.C.B.

Step 5 Solder pins of the switch regulator diode (D5702) on the reverse side of SMPS P.C.B.

Step 6 Solder pins of the heatsink unit B on the reverse side of SMPS P.C.B.

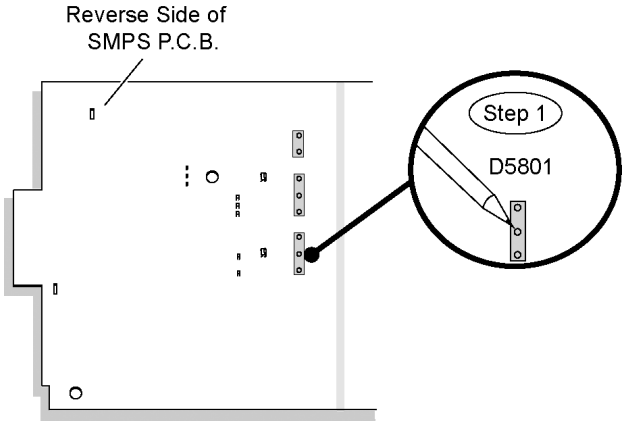


Special Note: Ensure pins of the switch regulator diode (D5702) are properly seated and soldered on SMPS P.C.B.

7.11. Replacement of Regulator Diode (D5801)

- Follow (Step 1) to (Step 4) of Item 7.3.
- Follow (Step 1) to (Step 3) of Item 7.5.
- Follow (Step 1) to (Step 10) of Item 7.6.
- Follow (Step 1) to (Step 6) of Item 7.8.
- Follow (Step 9) to (Step 11) of Item 7.8.

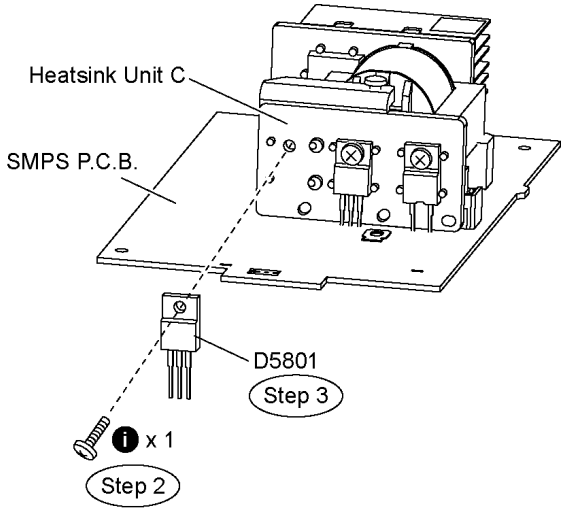
Step 1 Desolder pins of the regulator diode (D5801) on the reverse side of SMPS P.C.B.



Step 2 Remove 1 screw from the regulator diode (D5801).

Step 3 Remove the regulator diode (D5801) from the heatsink unit C.

Caution: Handle the heatsink unit C with caution due to its high temperature after prolonged use. Touching it may lead to injuries.



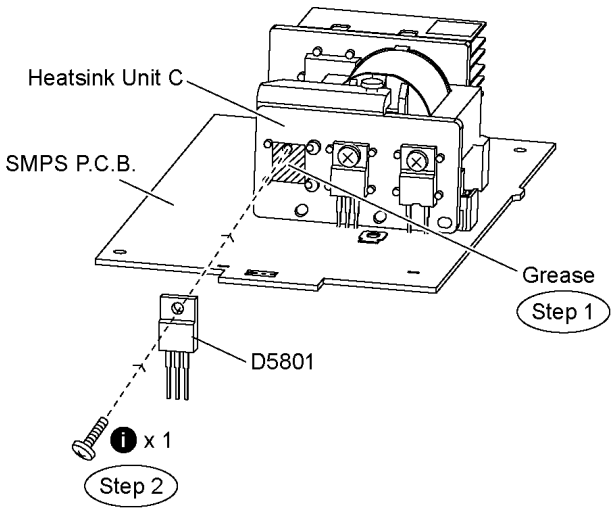
Note: Refer to the diagrams of SMPS P.C.B. (Item 20.7.) for location of the part.

7.11.1. Assembly of Regulator Diode (D5801)

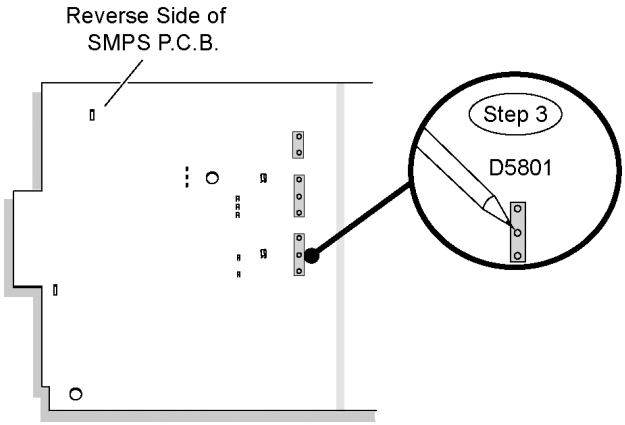
Step 1 Apply grease to the heatsink unit C.

Step 2 Fix and screw the regulator diode (D5801) to the heatsink unit C.

Special Note: Ensure the regulator diode (D5801) is tightly screwed to the heatsink unit C.



Step 3 Solder pins of the regulator diode (D5801) on the reverse side of SMPS P.C.B.

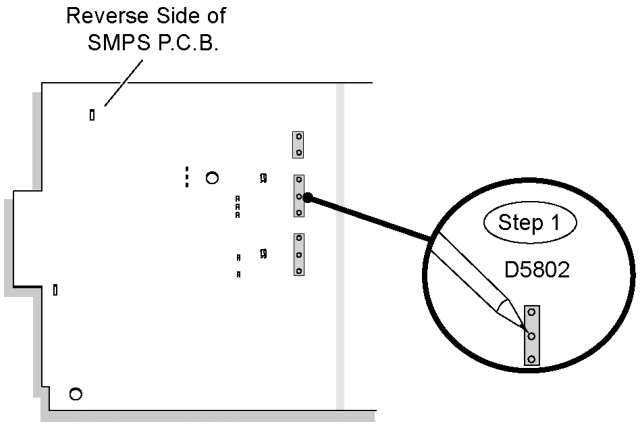


Special Note: Ensure pins of the regulator diode (D5801) are properly seated and soldered on SMPS P.C.B.

7.12. Replacement of Regulator Diode (D5802)

- Follow (Step 1) to (Step 4) of Item 7.3.
- Follow (Step 1) to (Step 3) of Item 7.5.
- Follow (Step 1) to (Step 10) of Item 7.6.
- Follow (Step 1) to (Step 6) of Item 7.8.
- Follow (Step 9) to (Step 11) of Item 7.8.

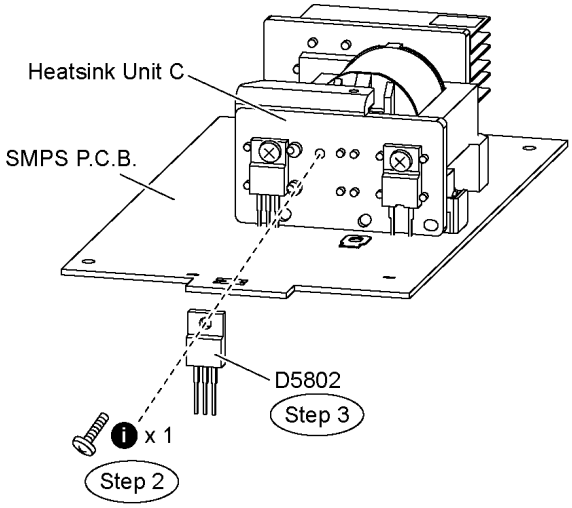
Step 1 Desolder pins of the regulator diode (D5802) on the reverse side of SMPS P.C.B.



Step 2 Remove 1 screw from the regulator diode (D5802).

Step 3 Remove the regulator diode (D5802) from the heatsink unit C.

Caution: Handle the heatsink unit C with caution due to its high temperature after prolonged use. Touching it may lead to injuries.



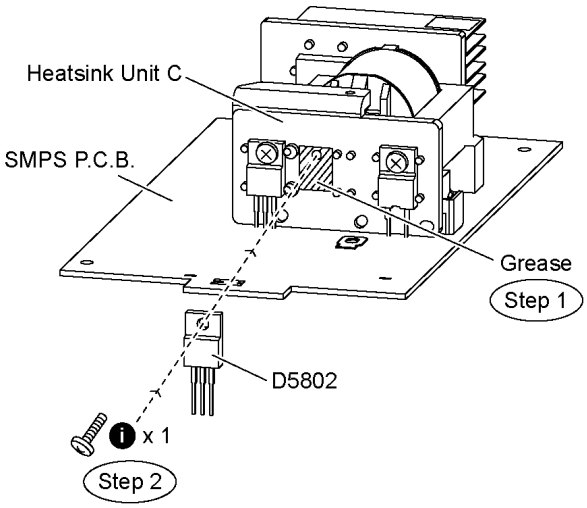
Note: Refer to the diagrams of SMPS P.C.B. (Item 20.7) for location of the part.

7.12.1. Assembly of Regulator Diode (D5802)

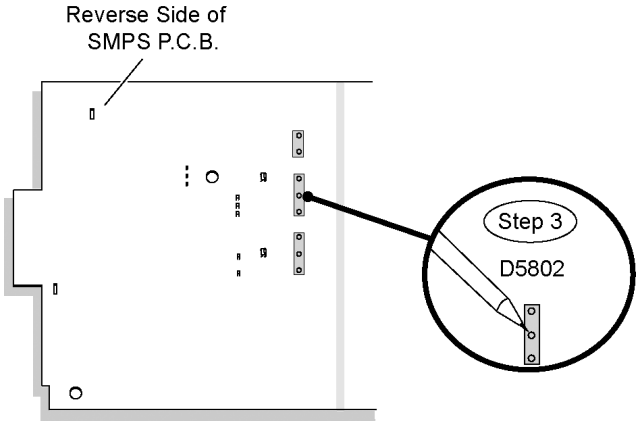
Step 1 Apply grease to the heatsink unit C.

Step 2 Fix and screw the regulator diode (D5802) to the heatsink unit C.

Special Note: Ensure the regulator diode (D5802) is tightly screwed to the heatsink unit C.



Step 3 Solder pins of the regulator diode (D5802) on the reverse side of SMPS P.C.B.

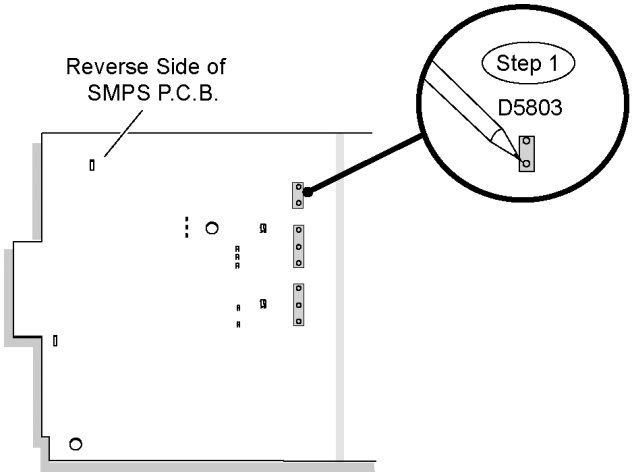


Special Note: Ensure pins of the regulator diode (D5802) are properly seated and soldered on SMPS P.C.B.

7.13. Replacement of Regulator Diode (D5803)

- Follow (Step 1) to (Step 4) of Item 7.3.
- Follow (Step 1) to (Step 3) of Item 7.5.
- Follow (Step 1) to (Step 10) of Item 7.6.
- Follow (Step 1) to (Step 6) of Item 7.8.
- Follow (Step 9) to (Step 11) of Item 7.8.

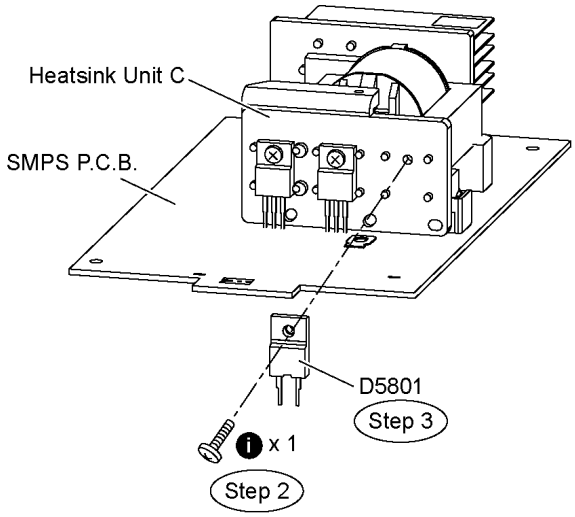
Step 1 Desolder pins of the regulator diode (D5803) on the reverse side of SMPS P.C.B.



Step 2 Remove 1 screw from the regulator diode (D5803).

Step 3 Remove the regulator diode (D5803) from the heatsink unit C.

Caution: Handle the heatsink unit C with caution due to its high temperature after prolonged use. Touching it may lead to injuries.



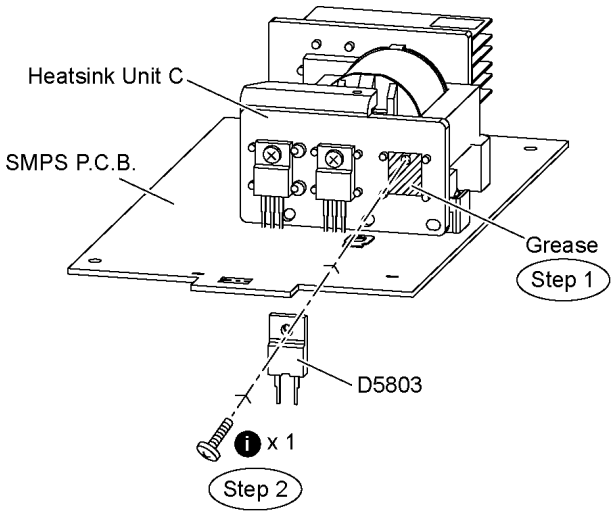
Note: Refer to the diagrams of SMPS P.C.B. (Item 20.7) for location of the part.

7.13.1. Assembly of Regulator Diode (D5803)

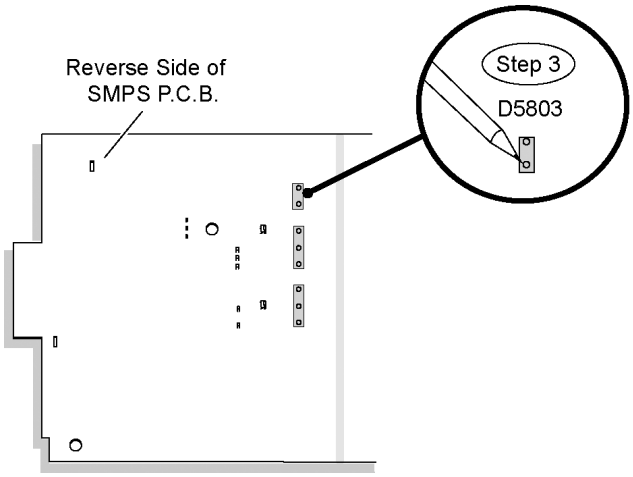
Step 1 Apply grease to the heatsink unit C.

Step 2 Fix and screw the regulator diode (D5803) to the heatsink unit C.

Special Note: Ensure the regulator diode (D5803) is tightly screwed to the heatsink unit C.



Step 3 Solder pins of the regulator diode (D5803) on the reverse side of SMPS P.C.B.

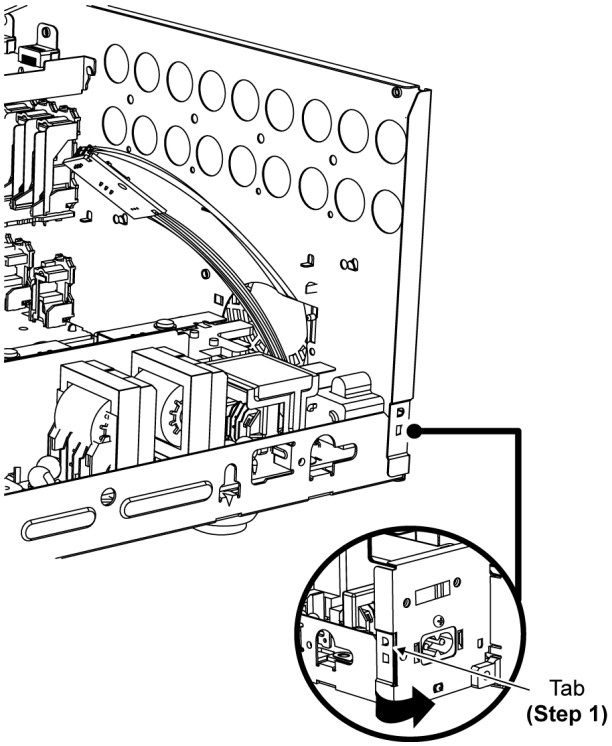


Special Note: Ensure pins of the regulator diode (D5803) are properly seated and soldered on SMPS P.C.B.

7.14. Disassembly and checking of D-Amp A (4CH) P.C.B.

- Follow (Step 1) to (Step 4) of Item 7.3.
- Follow (Step 1) to (Step 3) of Item 7.5.
- Follow (Step 1) to (Step 10) of Item 7.6.
- Follow (Step 1) to (Step 10) of Item 7.8.

Step 1 Slightly detach the tab of rear panel as diagram shown.

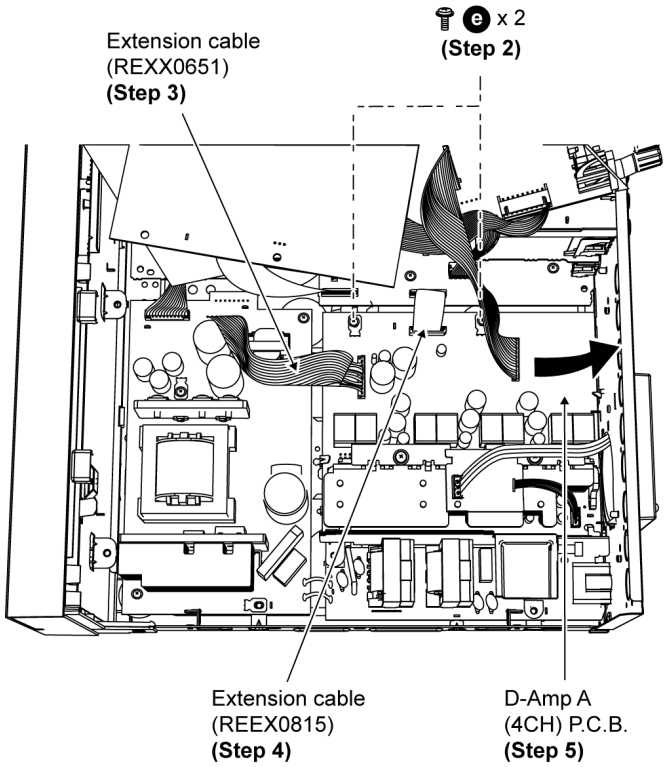


Step 2 Remove 2 screws on D-Amp (4CH) P.C.B..

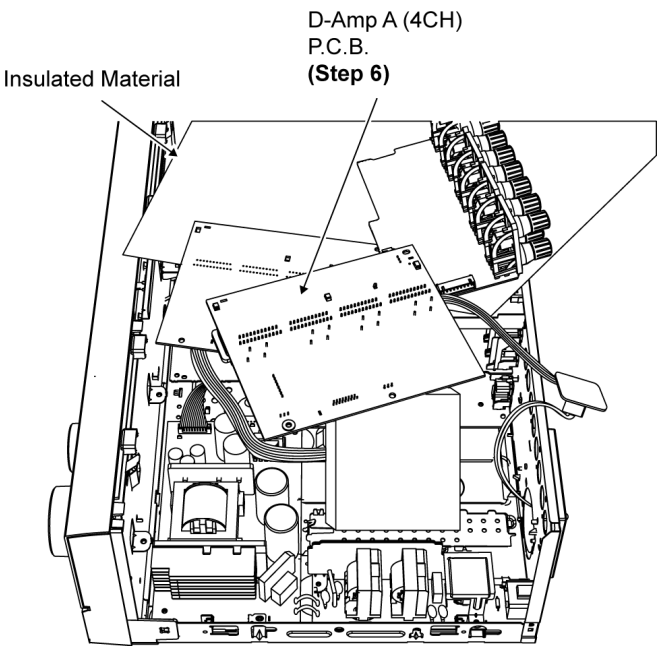
Step 3 Attach original cable with extension cable REXX0651 (8P cable from H5801 to CN5500).

Step 4 Connect extension cable REEX0815 (17P cable from CN2802 to CN5050).

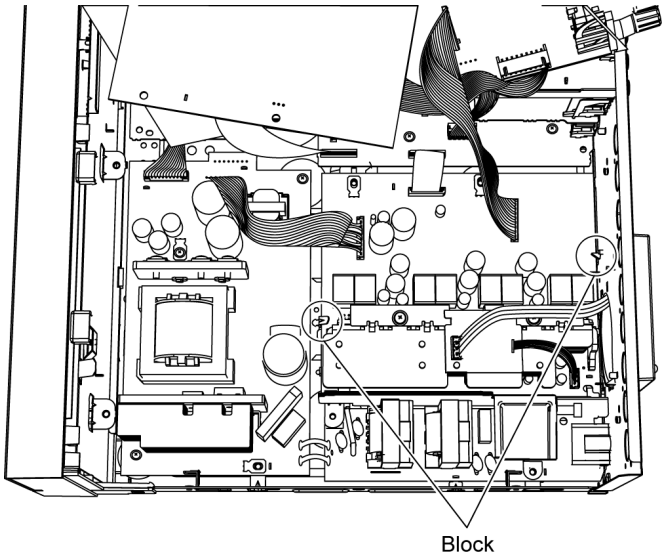
Step 5 Remove the D-Amp A (4CH) P.C.B. as arrow shown.



Step 6 Position D-Amp A (4CH) P.C.B. according to the diagram shown.



Caution: Lay an Insulated material to support the D-Amp A (4CH) P.C.B.



Caution: During reassembling procedures, ensure the SMPS and AC Inlet P.C.B. is seated properly under the blocks.

7.15. Replacement of Digital Amp IC (IC5000) of D-Amp A (4CH) P.C.B.

- Follow (Step 1) to (Step 4) of Item 7.3.
- Follow (Step 1) to (Step 3) of Item 7.5.
- Follow (Step 1) to (Step 10) of Item 7.6.
- Follow (Step 1) to (Step 10) of Item 7.8.

Step 1 Detach 8P cable at the connector (CN5500) on D-Amp A (4CH) P.C.B.

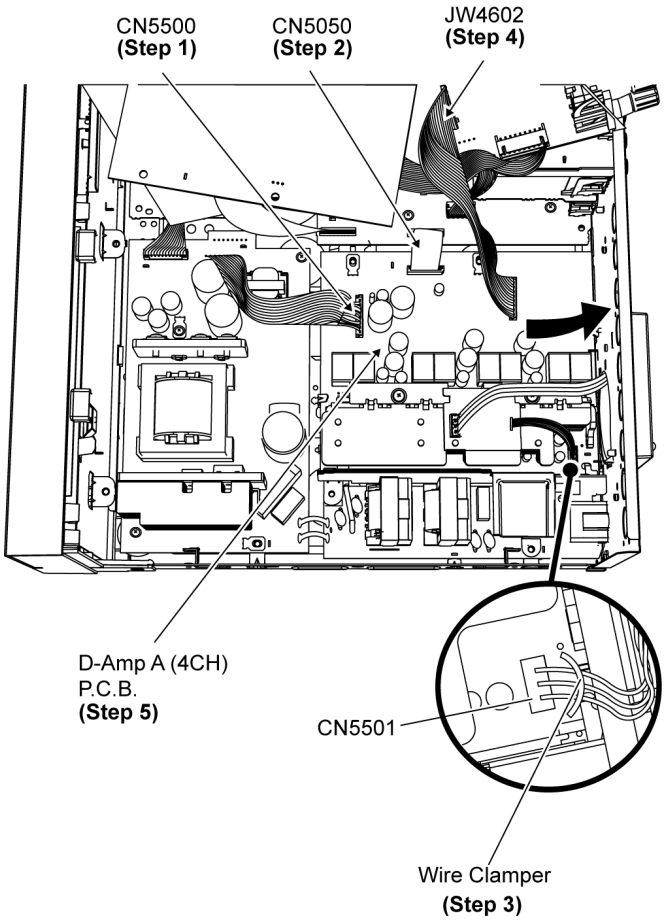
Step 2 Detach 17P FFC cable at the connector (CN5050) on D-Amp (4CH) P.C.B.

Step 3 Twist wire clamper to detach 3P cable at the connector

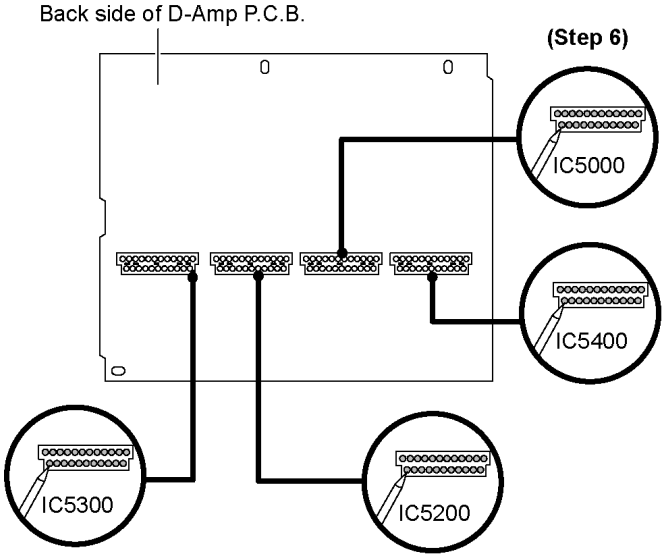
(CN5501) on D-Amp A (4CH) P.C.B.

Step 4 Detach 12P cable at the connector (JW4602) on Speaker P.C.B.

Step 5 Remove the D-Amp A (4CH) P.C.B. as arrow shown.



Step 6 Desolder pins of the digital amp IC (IC5000) on the back side of D-Amp P.C.B.



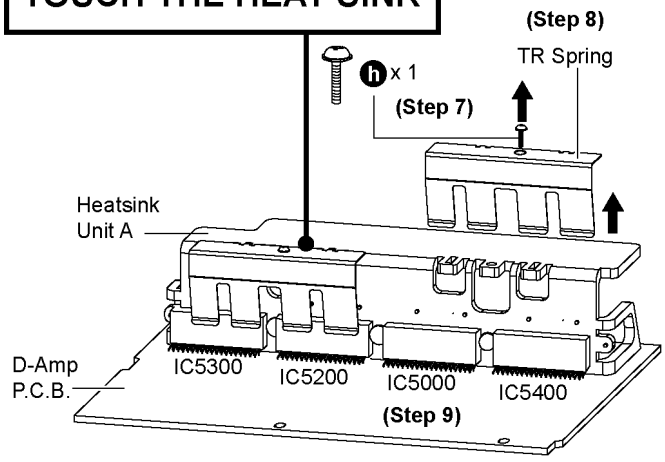
Step 7 Remove 1 screw from the top of the heatsink unit A.

Step 8 Remove the TR spring in the direction of the arrow.

Step 9 Remove the digital amp IC (IC5000) from the heatsink unit A.

Caution: Handle the heatsink unit A with caution due to its high temperature after prolonged use. Touching it may lead to injuries.

CAUTION: HOT!!
PLEASE DO NOT
TOUCH THE HEAT SINK



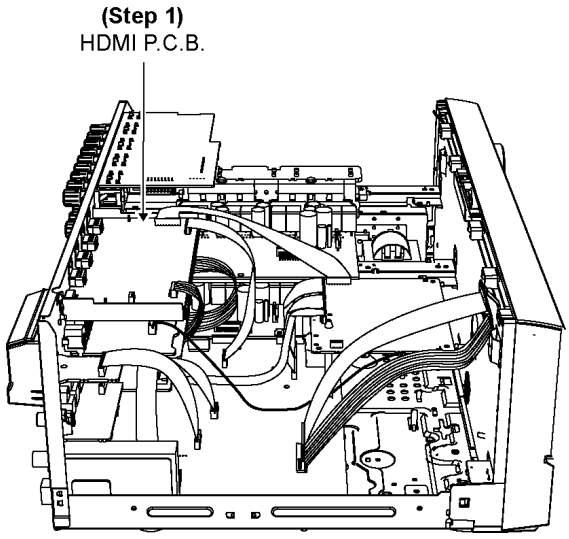
Special Note: For replacement of IC5200, IC5300 & IC5400, repeat the (Step 1) to (Step 8). Refer to the diagrams of D-Amp P.C.B. (Item 14.7) for location of the parts.

7.16. Disassembly and checking of HDMI side (A) and side (B)

- Follow (Step 1) to (Step 4) of Item 7.3.

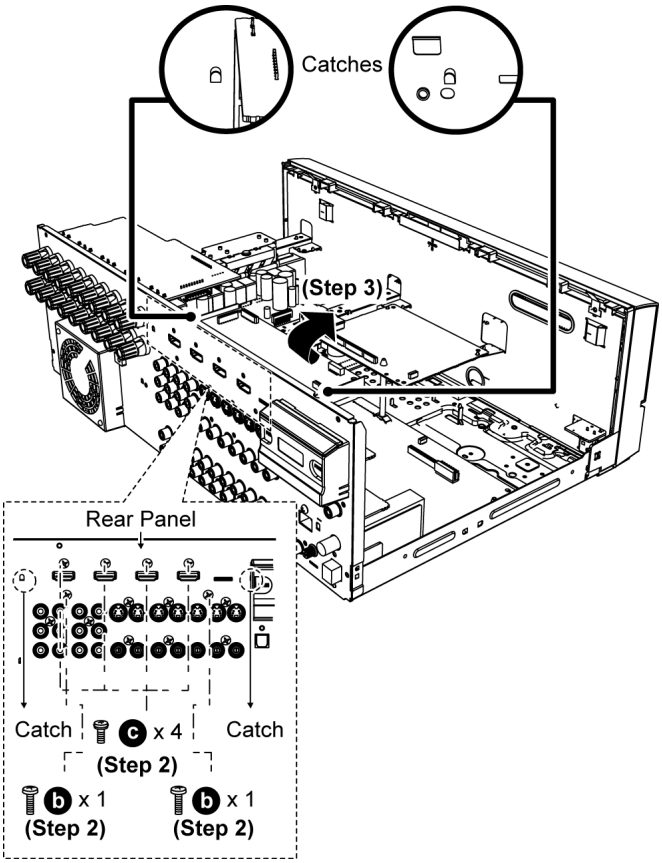
- Side (A).

Step 1 Proceed to check side A of HDMI P.C.B.

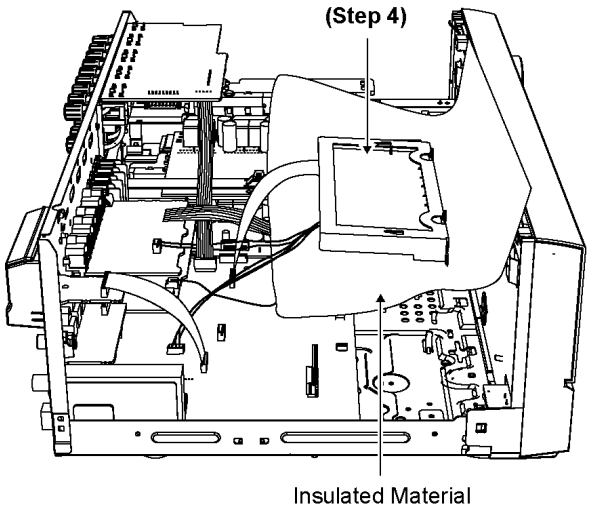


Step 2 Remove 6 screws.

Step 3 Flip HDMI P.C.B. as arrow shown.



Step 4 Proceed to check side (B) of HDMI P.C.B.

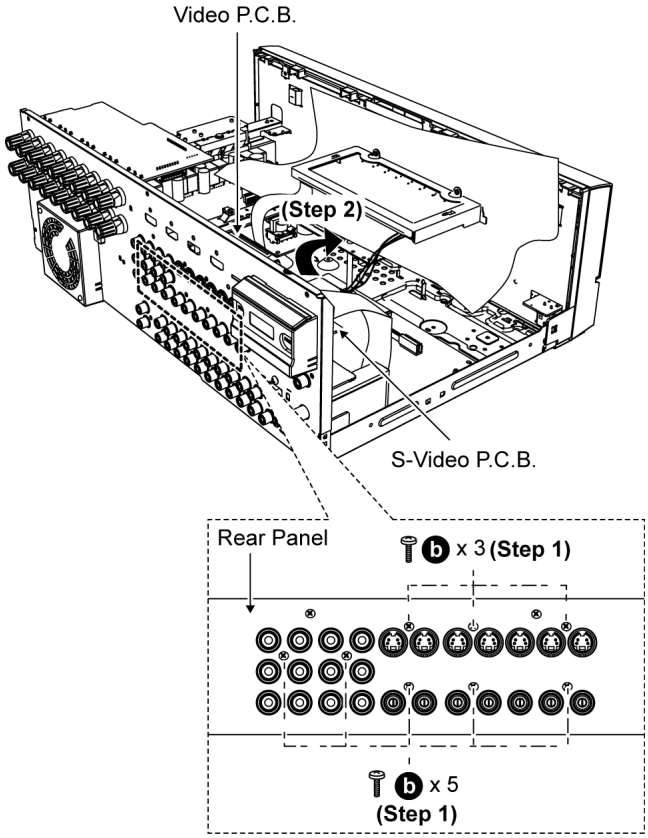


7.17. Disassembly and Checking of S-Video & Video P.C.B.

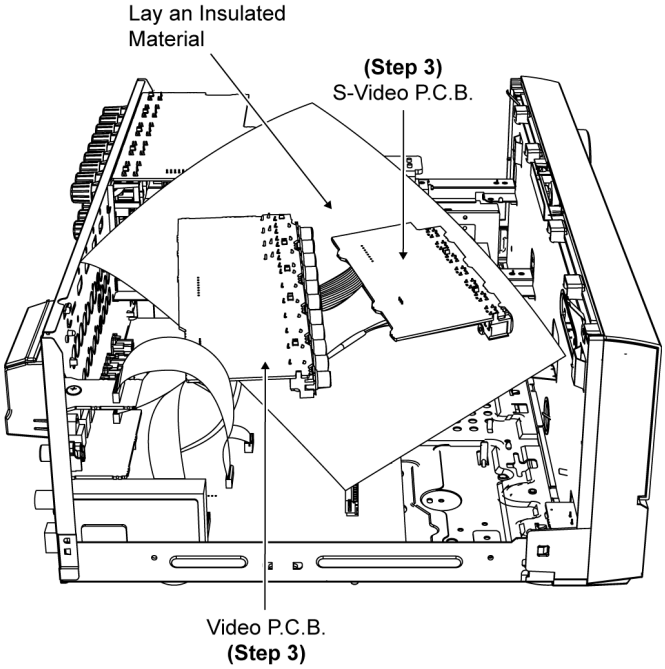
- Follow (Step 1) to (Step 4) of Item 7.3.
- Follow (Step 1) to (Step 3) of Item 7.16.

Step 1 Remove 8 screws.

Step 2 Flip S-video & Video P.C.B. as arrow shown.



Step 3 Proceed to check S-Video and Video P.C.B..

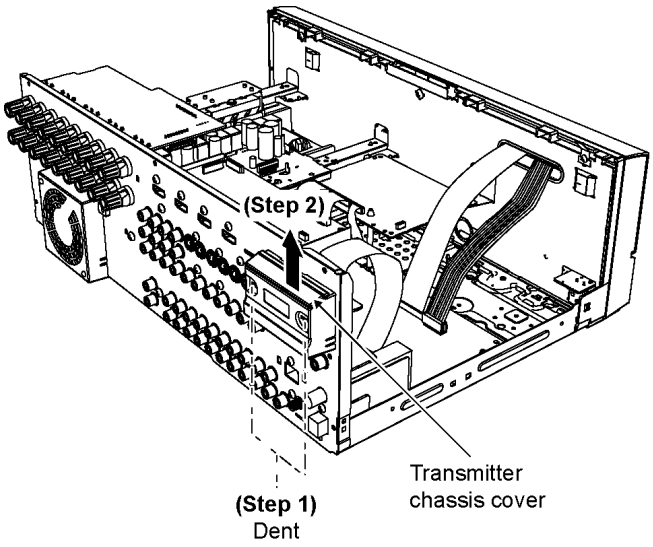


7.18. Disassembly and checking of Wireless Adapter, Digital & D-Port P.C.B.

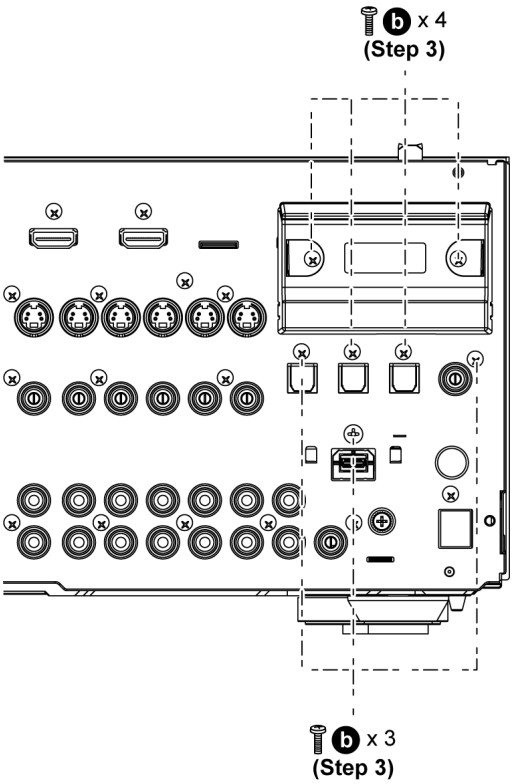
- Follow (Step 1) to (Step 4) of Item 7.3.

Step 1 Push the dents on both sides of transmitter chassis cover.

Step 2 Remove the transmitter chassis cover as arrow shown.



Step 3 Remove 7 screws on the rear panel.



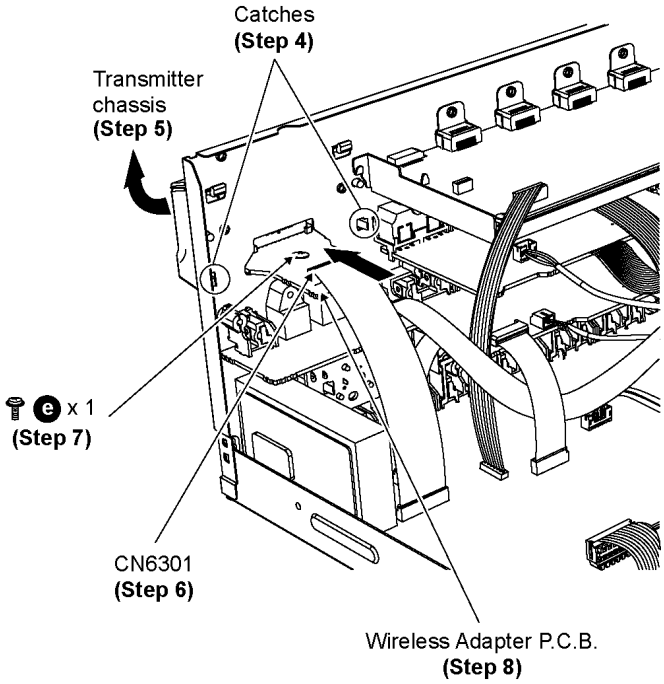
Step 4 Release 2 catches at the rear panel.

Step 5 Remove the transmitter chassis as arrow shown.

Step 6 Detach 22P FFC cable at the connector (CN6301) on Wireless Adapter P.C.B..

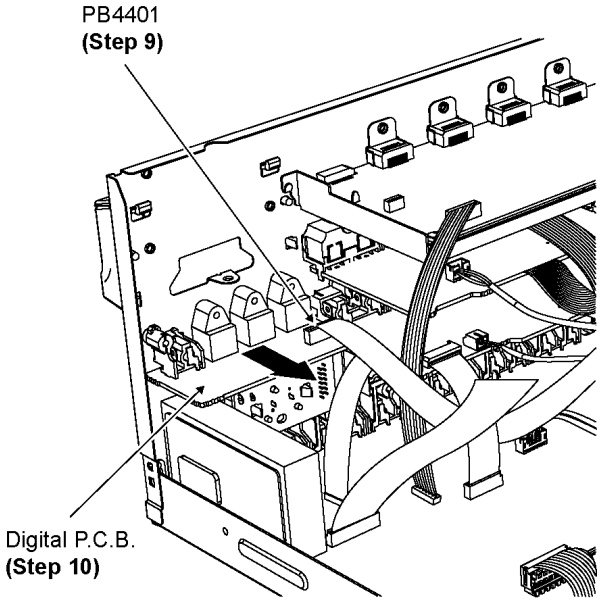
Step 7 Remove 1 screw at the Wireless Adapter P.C.B..

Step 8 Remove Wireless Adapter P.C.B. as arrow shown.

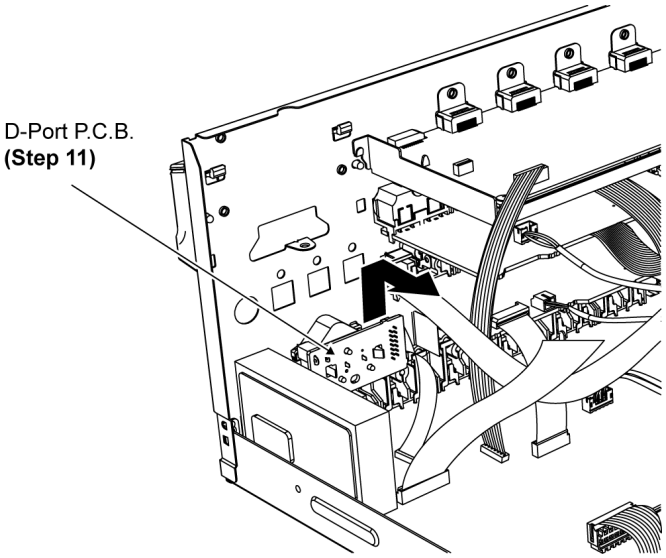


Step 9 Detach 11P FFC cable at the connector (PB4401) on Digital P.C.B.

Step 10 Remove Digital P.C.B. as arrow shown.



Step 11 Remove D-Port P.C.B. as arrow shown.

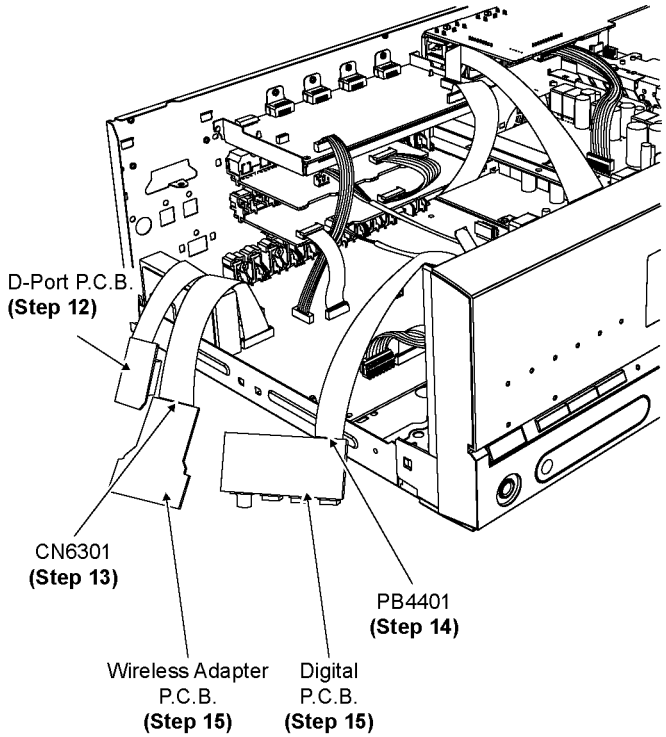


Step 12 Position D-Port P.C.B. as Diagram shown.

Step 13 Connect 22P FFC Cable at the connector (CN6301) on Wireless Adapter P.C.B..

Step 14 Connect 11P FFC cable at the connector (PB4401) on Digital P.C.B.

Step 15 Proceed to check D-Port, Wireless Adapter and Digital P.C.B.



7.19. Disassembly and Checking of Main (Side A/B) P.C.B.

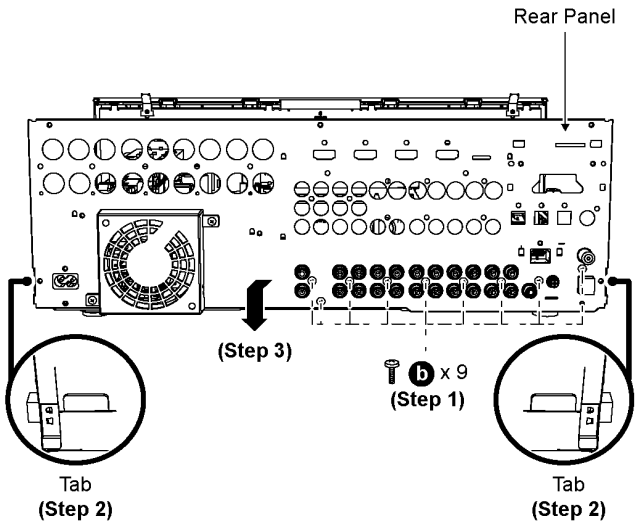
- Follow (Step 1) to (Step 4) of Item 7.3.
- Follow (Step 1) to (Step 3) of Item 7.5.

- Disassembly and Checking Side A.

Step 1 Remove 9 screws.

Step 2 Release 2 tabs.

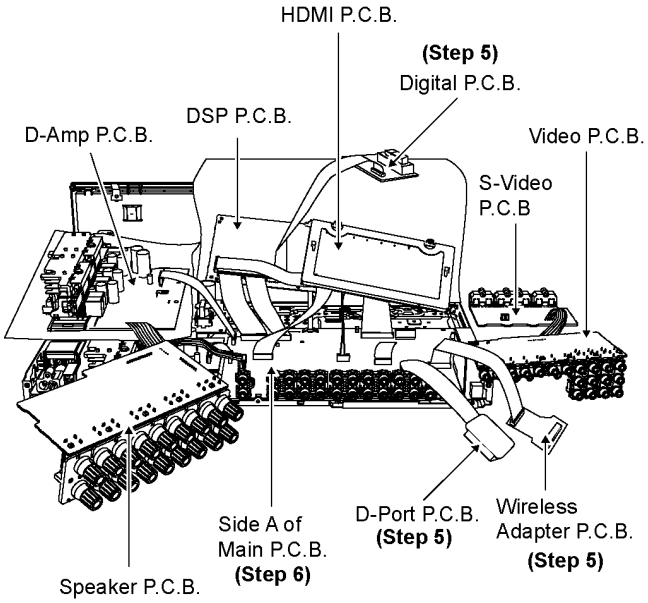
Step 3 Remove rear panel as arrow shown.



Step 4 Position the P.C.B as diagram show.

Step 5 Connect Wireless Adapter, Digital & D-Port P.C.B..

Step 6 Proceed to check Side A of Main P.C.B.

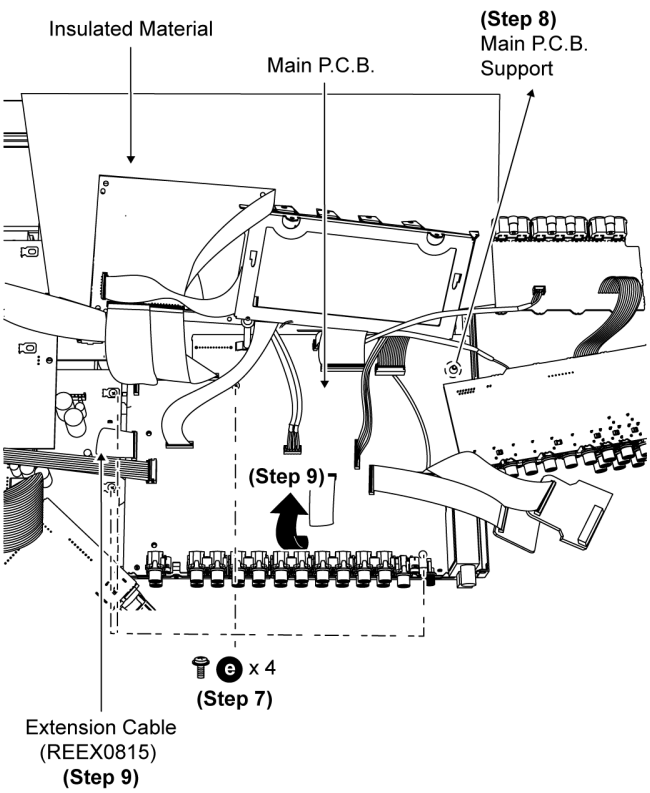


- Disassembly and Checking Side B.

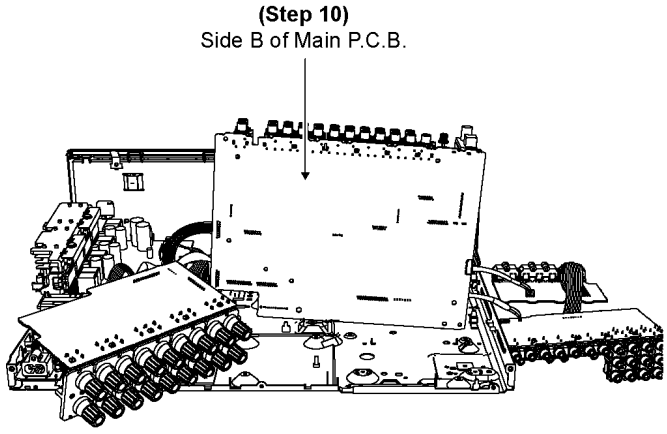
Step 7 Remove 4 screws.

Step 8 Remove Main P.C.B. support.

Step 9 Flip the Main P.C.B. as arrow shown.



Step 10 Proceed to check Side B of Main P.C.B.

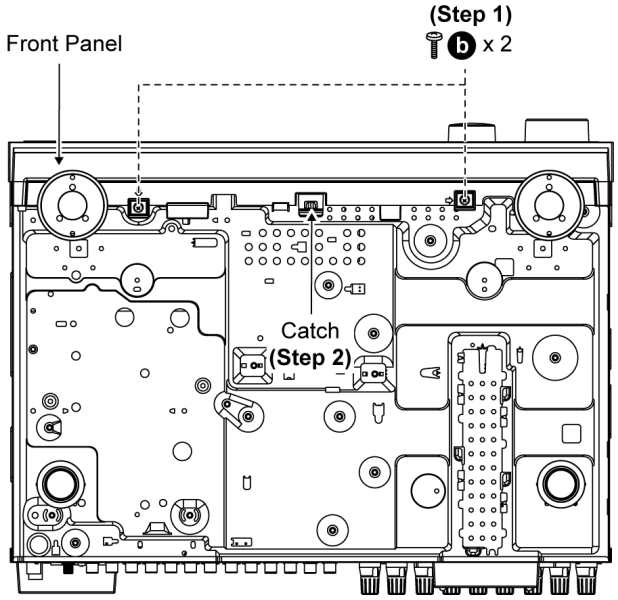


7.20. Disassembly of Front Panel

- Follow (Step 1) to (Step 4) of Item 7.3.

Step 1 Remove 2 screws.

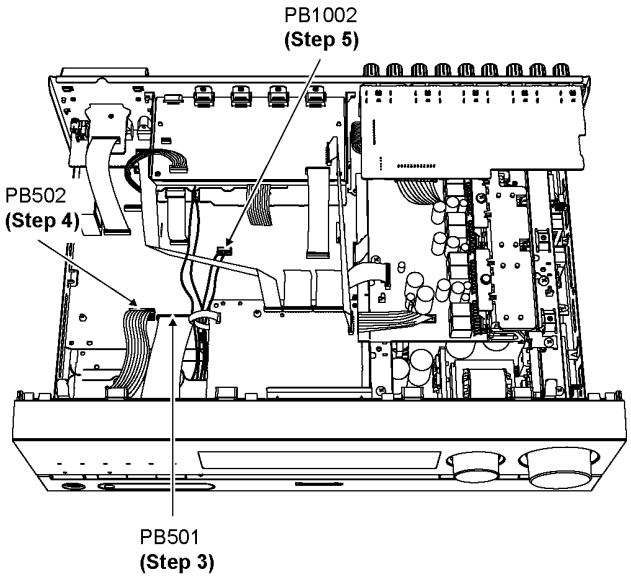
Step 2 Release 1 catch.



Step 3 Detach 30P FFC cable at the connector (PB501) on Main P.C.B..

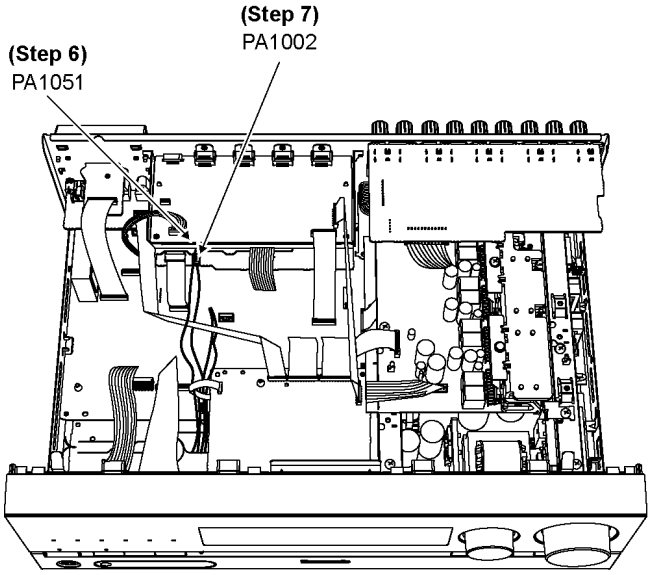
Step 4 Detach 7P cable at the connector (PB502) on Main P.C.B.

Step 5 Detach 5P cable at the connector (PB1002) on Main P.C.B.



Step 6 Detach 3P cable at the connector (PA1051) on Main P.C.B.

Step 7 Detach 2P cable at the connector (PA1002) on Main P.C.B.

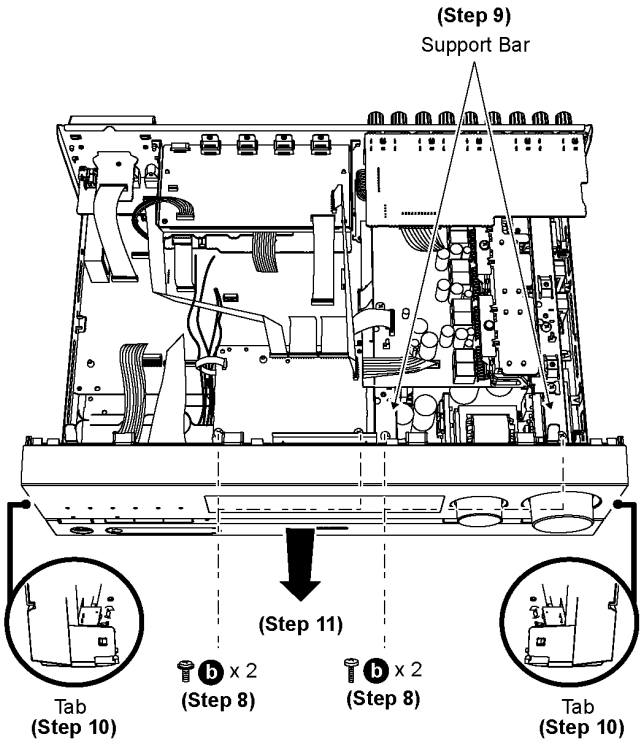


Step 8 Remove 4 screws.

Step 9 Slightly move up 2 support bars and DSP P.C.B. to release the catches.

Step 10 Release 2 tabs.

Step 11 Remove front panel as arrow shown.

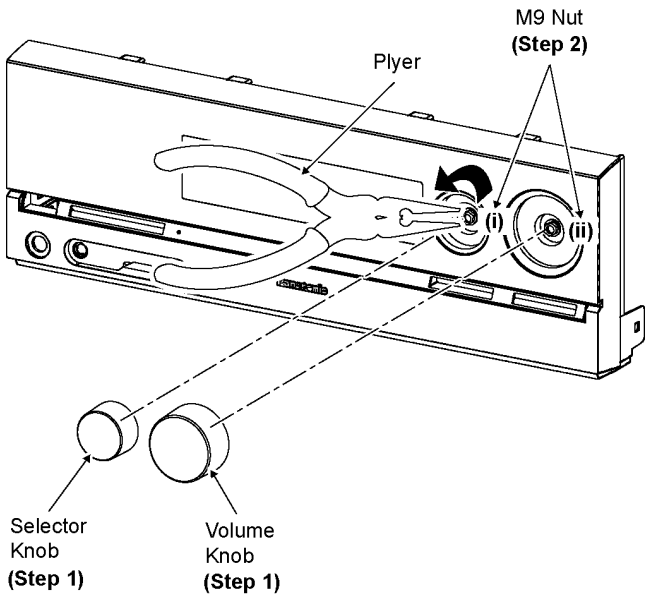


7.21. Disassembly and checking of Panel, Headphone, Volume P.C.B.

- Follow (Step 1) to (Step 4) of Item 7.3.
- Follow (Step 1) to (Step 11) of Item 7.15.

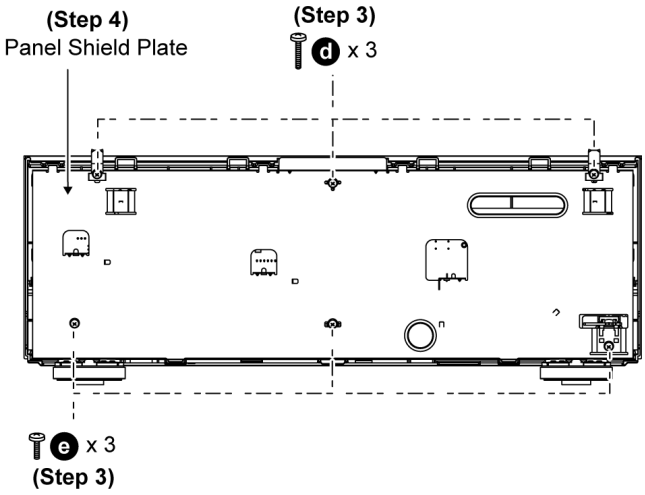
Step 1 Remove Selector and Volume Knob.

Step 2 Remove 2 M9 nuts (i), (ii) by using plyer as diagram shown.



Step 3 Remove 6 screws at front panel shield plate.

Step 4 Remove the front panel shield plate.

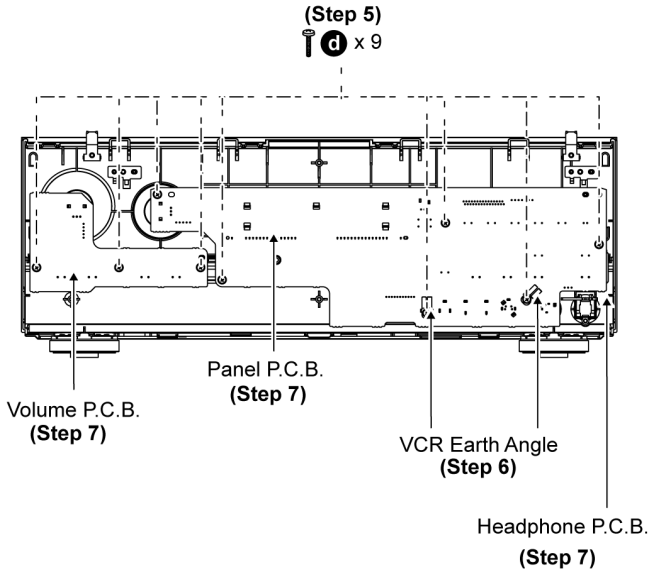


Step 5 Remove 9 screws.

Step 6 Remove 2 VCR earth angles.

Step 7 Remove Panel, Volume, Headphone P.C.B.

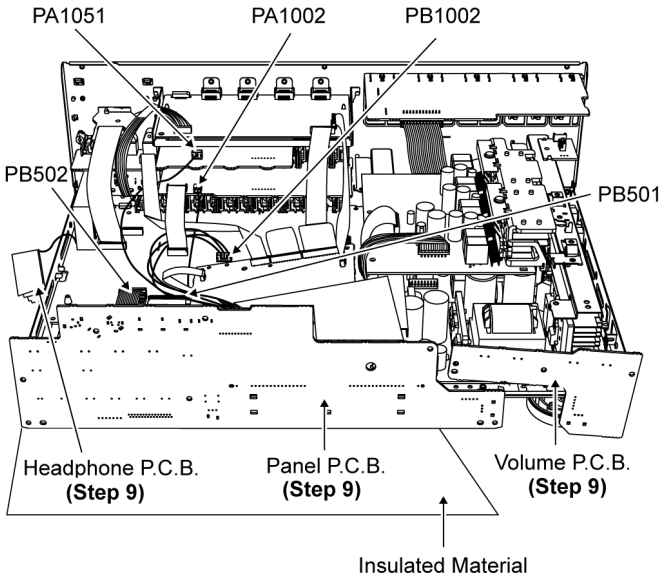
Caution: Keep the Panel Earth Plate in safe place. Avoid denting it. Place it back during assembling.



Caution: Keep the VCR Earth Angle in safe place. Avoid denting it. Place it back during assembling.

Step 8 Connect Panel, Volume, Headphone P.C.B.

Step 9 Proceed to check Panel, Volume, Headphone P.C.B.



8 Voltage and Waveform Chart

8.1. HDMI P.C.B.

REF NO.	IC2001																			
MODE	1	2	3	4	5															
CD PLAY	3.3	3.3	0	-	1.8															
STANDBY	3.3	3.3	0	-	1.8															
REF NO.	IC2002																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0	0	2	0	0	0	0	0	0	0	3.3	1.7	0	1.5	3.3	3.3	0	3.3	3.3
STANDBY	0	0	0	2	0	0	0	0	0	0	0	3.3	1.7	0	1.5	3.3	3.3	0	3.3	3.3
REF NO.	IC2002																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	3.3	3.3	0	3.3	0	3.3	3.3	2.9	3.1	0.6	0.1	0.1	0	0	3.3	3.3	0	3.3	3.3	0
STANDBY	3.3	3.3	0	3.3	0	3.3	3.3	2.9	3.1	0.6	0.1	0.1	0	0	3.3	3.3	0	3.3	3.3	0
REF NO.	IC2002																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
CD PLAY	0	3.3	0	3.3	0	0	0	0	0	3.3	0	0	3.3	0	0	0	0	0	0	0
STANDBY	0	3.3	0	3.3	0	0	0	0	0	3.3	0	0	3.3	0	0	0	0	0	0	0
REF NO.	IC2002																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
CD PLAY	0	3.3	0	0	0	0	0	3.2	3.3	3.3	0	0	0	0	0	3.3	3.3	3.3	0	0
STANDBY	0	3.3	0	0	0	0	0	3.2	3.3	3.3	0	0	0	0	0	3.3	3.3	3.3	0	0
REF NO.	IC2002																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CD PLAY	0	0	0	0	0	0	0	0	0	0	0	0	0	1.8	2	0	0	3.3	3.3	0
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0	1.8	2	0	0	3.3	3.3	0
REF NO.	IC2003																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	3.3	0	3.3	3.3	0	3.3												
STANDBY	0	0	3.3	0	3.3	3.3	0	3.3												
REF NO.	IC2004																			
MODE	1	2	3	4	5															
CD PLAY	3.9	3.3	3.3	-	0															
STANDBY	3.9	3.3	3.3	-	0															
REF NO.	IC2005																			
MODE	1	2	3	4	5															
CD PLAY	3.9	0	3.9	-	3.3															
STANDBY	3.9	0	3.9	-	3.3															
REF NO.	IC2006																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.3
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.3
REF NO.	IC2006																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	1.2	1.1	3.3	1	1	0	1	1.1	1.8	0	0	0	1.8	0	3.3	0	1.8	1.1	1.1	0
STANDBY	1.2	1.1	3.3	1	1	0	1	1.1	1.8	0	0	0	1.8	0	3.3	0	1.8	1.1	1.1	0
REF NO.	IC2006																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
CD PLAY	1.1	1.1	3.3	1.1	1.1	0	1.1	1.1	1.8	0	0	0	0	0	3.3	0	1.8	3.3	3.3	0
STANDBY	1.1	1.1	3.3	1.1	1.1	0	1.1	1.1	1.8	0	0	0	0	0	3.3	0	1.8	3.3	3.3	0
REF NO.	IC2006																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
CD PLAY	3.3	3.3	3.3	3.3	3.3	0	3.3	3.3	1.8	0	0	0	1.8	0	0	3.3	0	0	0	0
STANDBY	3.3	3.3	3.3	3.3	3.3	0	3.3	3.3	1.8	0	0	0	1.8	0	0	3.3	0	0	0	0
REF NO.	IC2101																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	1.1	0	0	0	0	0	0	0	0	0	0	1.8	0	3.3	0	0	0	0	0	0
STANDBY	1.2	0	0	0	0	0	0	0	0	0	0	1.8	0	3.3	0	0	0	0	0	0
REF NO.	IC2101																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	0	0	3.3	3.3	0	1.8	1.8	0	0.1	0.1	1.8	1.1	1.1	0	1.1	1.1	1.8	1.1	1.1
STANDBY	0	0	0	3.3	3.3	0	1.8	1.8	0	0.1	0.1	1.8	1.1	1.1	0	1.1	1.1	1.8	1.1	1.1
REF NO.	IC2101																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
CD PLAY	0	1.8	0	3.3	5	5	5	3.3	3.3	0.3	0	0	3.3	0	1.8	2.5	2.5	2.5	2.5	2.5
STANDBY	0	1.8	0	3.3	5	5	5	3.3	3.3	0.3	0	0	3.3	0	1.8	2.5	2.5	2.5	2.5	2.5
REF NO.	IC2101																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
CD PLAY	2.6	2.6	2.6	1.8	0	3.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	1.8	2.4	1.2	1.3	1.3
STANDBY	2.6	2.6	2.6	1.8	0	3.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	1.8	2.4	1.2	1.3	1.3
REF NO.	IC2101																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CD PLAY	1.2	1.3	1.3	1.3	1.3	1.2	0	0	3.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.8	0
STANDBY	1.2	1.3	1.3	1.3	1.3	1.2	0	0	3.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.8	0
REF NO.	IC2102																			
MODE	1	2	3	4	5															
CD PLAY	2.5	3.3	1.8	-	0															
STANDBY	2.5	3.3	1.8	-	0															
REF NO.	IC2201																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	1.2	1	0	1	1	1.8	1	1	0	1	0.2	1.8	3.3	3.3	3.3	0	1.8	1.1	1.1	0
STANDBY	1.2	1	0	1	1	1.8	1	1	0	1	0.2	1.8	3.3	3.3	3.3	0	1.8	1.1	1.1	0

REF NO.	IC2231																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	0	0	0	0	0												
STANDBY	0	0	0	0	0	0	0	0												
REF NO.	IC2232																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	1.3	1.2	1.3	0	0	3.3	8	1.3	1.3	1.3	0	1.8	1.3	1.3	1.3	1.3	0	3.3	1	0
STANDBY	1.3	1.2	1.3	0	0	3.3	9	1.3	1.3	1.3	0	1.8	1.3	1.3	1.3	1.3	0	3.3	1	0
REF NO.	IC2232																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	0	0	1.8	1.8	3.3	3.3	0	0	0	0	3.3	0	0	0	0	1.8	3.3	0.1	3.3
STANDBY	0	0	0	1.8	1.8	3.3	3.3	0	0	0	0	3.3	0	0	0	0	1.8	3.3	0.1	3.3
REF NO.	IC2232																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
CD PLAY	0	3.3	1	1	0	3.3	1	1	0	3.3	1	1	0	1.8	1	3.3	1	1	0	3.3
STANDBY	0	3.3	1	1	0	3.3	1	1	0	3.3	1	1	0	1.8	1	3.3	1	1	0	3.3
REF NO.	IC2232																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
CD PLAY	1	1	0	3.3	1	1	0	3.3	1	1	0	1.8	0	3.3	3.3	-	-	0	0	1.8
STANDBY	1	1	0	3.3	1	1	0	3.3	1	1	0	1.8	0	3.3	3.3	-	-	0	0	1.8
REF NO.	IC2232																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CD PLAY	0	0	0	0	0	0	0	3.3	0	0	1.8	1.8	0	1.6	1.6	3.3	3.3	-	0	3.3
STANDBY	0	0	0	0	0	0	0	3.3	0	0	1.8	1.8	0	1.6	1.6	3.3	3.3	-	0	3.3
REF NO.	IC2232																			
MODE	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
CD PLAY	0	3.3	0	3.3	0	0	1.8	2.8	2.8	2.8	2.8	0	3.3	2.8	2.8	2.8	2.8	0	1.8	2.8
STANDBY	0	3.3	0	3.3	0	0	1.8	2.7	2.7	2.7	2.7	0	3.3	2.7	2.7	2.6	2.7	0	1.8	2.7
REF NO.	IC2232																			
MODE	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
CD PLAY	2.8	2.8	2.8	0	3.3	2.8	2.8	2.8	2.8	0	1.8	2.8	2.8	1.2	1.3	0	3.3	1.3	1.2	1.3
STANDBY	2.7	2.7	2.7	0	3.3	2.7	2.7	2.7	2.7	0	1.8	2.8	2.7	2.7	1.3	0	3.3	1.3	1.2	1.3
REF NO.	IC2232																			
MODE	141	142	143	144																
CD PLAY	1.3	0	1.8	1.3																
STANDBY	1.3	0	1.8	1.3																
REF NO.	IC2233																			
MODE	1	2	3	4	5															
CD PLAY	2.5	3.3	1.8	-	0															
STANDBY	2.5	3.3	1.8	-	0															
REF NO.	Q2101				Q2102				Q2103				Q2104				Q2105			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	3.6	3.6	3.6		0	3.6	0		0	3.8	0		0	0	0.6		0	3.3	0	
STANDBY	3.6	3.7	3.6		0	3.7	0		0	4	0		0	0	0.6		0	3.3	0	
REF NO.	Q2231							Q2232						Q2233						
MODE	1	2	3	4	5	6		1	2	3	4	5		1	2	3	4	5	6	
CD PLAY	0	0	0.6	0	0	0		0	-0.2	0	0	0		0	0	0.6	0	0	0	
STANDBY	0	0	0.6	0	0	0		0	-0.2	0	0	0		0	0	0.6	0	0	0	
REF NO.	Q2234						Q2235						Q2236							
MODE	1	2	3	4	5		1	2	3	4	5		1	2	3	4	5			
CD PLAY	0	-0.2	0	0	0		0	-0.2	0	3.3	0		0	-0.2	0	0	3.3			
STANDBY	0	-0.2	0	0	0		0	-0.2	0	3.3	0		0	-0.2	0	0	3.3			
REF NO.	QR2001				QR2002				QR2231				QR2232							
MODE	E	C	B		E	C	B		E	C	B		E	C	B					
CD PLAY	0	0	2.8		0	3.2	0		0	0	3.2		0	0	3.3					
STANDBY	0	0	2.8		0	3.2	0		0	0	3.2		0	0	3.3					

SA-BX500PP HDMI P.C.B.

8.2. DSP P.C.B.

REF NO.	IC3001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	1.2	3.3	3.3	0	3.3	3.3	3.3	3.3	3.3	0	1.2	3.3	3.3	3.3	3.3	0	3.3	3.3	1.2	0
STANDBY	1.2	3.3	3.3	0	3.3	3.3	3.3	3.3	3.3	0	1.2	3.3	3.3	3.3	3.3	0	3.3	3.3	1.2	0
REF NO.	IC3001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	3.3	1.2	0	1.2	0	3.3	3.3	3.3	3.3	3.3	3.3	0	1.2	0	3.3	3.3	3.3	3.3	3.3	3.3
STANDBY	3.3	1.2	0	1.2	0	3.3	3.3	3.3	3.3	3.3	3.3	0	1.2	0	3.3	3.3	3.3	3.3	3.3	3.3
REF NO.	IC3001																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
CD PLAY	3.3	0	1.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0	1.2	1.2	0	3.3	3.3	0	3.3	0	3.3
STANDBY	3.3	0	1.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0	1.2	1.2	0	3.3	3.3	0	3.3	0	3.3
REF NO.	IC3001																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
CD PLAY	0	0	1.2	0	3.3	0	0	3.3	3.3	3.3	0	1.2	0	3.3	3.3	0	0	0	1.2	0
STANDBY	0	0	1.2	0	3.3	0	0	3.3	3.3	3.3	0	1.2	0	3.3	3.3	0	0	0	1.2	0
REF NO.	IC3001																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CD PLAY	1.2	0	1.7	1.6	3.3	0	1.2	0	0	3.3	0	0	0	0	0	3.3	0	0	0	0
STANDBY	1.2	0	1.7	1.6	3.3	0	1.2	0	0	3.3	0	0	0	0	0	3.3	0	0	0	0
REF NO.	IC3001																			
MODE	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
CD PLAY	0	3.3	3.3	1.2	1.2	0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0	3.3	1.5	0	1.2	3.3	3.3
STANDBY	0	3.3	3.3	1.2	1.2	0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0	3.3	1.5	0	1.2	3.3	3.3
REF NO.	IC3001																			
MODE	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
CD PLAY	3.3	0	0	0	1.7	0	1.2	0	3.3	1.7	1.7	1.7	1.7	3.3	3.3	3.3	0.3	1.2	3.3	0
STANDBY	3.3	0	0	0	1.7	0	1.2	0	3.3	1.7	1.7	1.7	1.7	3.3	3.3	3.3	0	1.2	3.3	0
REF NO.	IC3001																			
MODE	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
CD PLAY	1.2	0	1.7	0	0	0	1.5	0	1.7	3.3	0	1.2	0	1.2	0	1.2	1.2	1.2	0	1.2
STANDBY	1.2	0	1.7	0	0	0	0	0	1.7	3.3	0	1.2	0	1.2	0	1.2	1.2	1.2	0	1.2
REF NO.	IC3001																			
MODE	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
CD PLAY	1.2	1.2	0	0	0	0	1.2	0	0	0	0	3.3	3.3	3.3	0.1	0	0.1	0.1	3.3	0
STANDBY	1.2	1.2	0	0	0	0	1.2	0	0	0	0	3.3	3.3	3.3	0.1	0	0.1	0.1	3.3	0
REF NO.	IC3001																			
MODE	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
CD PLAY	1.2	0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0	1.2	0	3.3	3.3	3.3	0.2	0.2	3.3
STANDBY	1.2	0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0	1.2	0	3.3	3.3	3.3	0.2	0.2	3.3
REF NO.	IC3001																			
MODE	201	202	203	204	205	206	207	208												
CD PLAY	3.3	3.3	3.3	0	3.3	3.3	3.3	1.2												
STANDBY	3.3	3.3	3.3	0	3.3	3.3	3.3	1.2												
REF NO.	IC3002																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0	0	0	0	0	0	3.3	0	0	3.3	3.3	0	0	1.8	0	0	3.3	0	3.3
STANDBY	0	0	0	0	0	0	0	3.3	0	0	3.3	3.3	0	0	1.7	0	0	3.3	0	3.3
REF NO.	IC3002																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	3.3	3.3	0	0	3.3	0	3.3	3.3	1.3	3.3	1.3	3.3	1.3	3.3	1.3	3.3	3.3	1.3	3.3
STANDBY	0	3.3	3.3	0	0	3.3	0	3.3	3.3	1.3	3.3	1.3	3.3	1.3	3.3	1.4	3.3	3.3	1.4	3.3
REF NO.	IC3002																			
MODE	41	42	43	44	45	46	47	48												
CD PLAY	1.4	3.3	1.3	3.3	0	0	0	0												
STANDBY	1.4	3.3	1.5	3.3	0	0	0	0												
REF NO.	IC3003																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	3.3	0	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	0	3.3
STANDBY	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	3.3	0	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	0	3.3
REF NO.	IC3003																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	0	3.3	3.3	3.3	0	0	3.3	0	3.3	3.3	0	0	3.3	1.6	0	0	3.3	3.3	3.3
STANDBY	0	0	3.3	3.3	3.3	0	0	3.3	0	3.3	3.3	0	0	3.3	1.6	0	0	3.3	3.3	3.3
REF NO.	IC3003																			
MODE	41	42	43	44	45	46	47	48	19	50										
CD PLAY	0	3.3	3.3	3.3	3.3	3.3	0	3.3	0	0										
STANDBY	0	3.3	3.3	3.3	3.3	3.3	0	3.3	0	0										
REF NO.	IC3004																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	3.3	0	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	0	3.3
STANDBY	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	3.3	0	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	0	3.3
REF NO.	IC3004																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	0	3.3	3.3	3.3	0	0	3.3	0	3.3	3.3	0	0	3.3	1.6	0	0	3.3	3.3	3.3
STANDBY	0	0	3.3	3.3	3.3	0	0	3.3	0	3.3	3.3	0	0	3.3	1.6	0	0	3.3	3.3	3.3
REF NO.	IC3004																			
MODE	41	42	43	44	45	46	47	48	49	50										
CD PLAY	0	3.3	3.3	3.3	3.3	3.3	0	3.3	0	0										
STANDBY	0	3.3	3.3	3.3	3.3	3.3	0	3.3	0	0										

REF NO.	IC3101																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	1.2	3.3	3.3	0	3.3	3.3	3.3	3.3	3.3	0	1.2	3.3	3.3	3.3	3.3	0	3.3	3.3	1.2	0
STANDBY	1.2	3.3	3.3	0	3.3	3.3	3.3	3.3	3.3	0	1.2	3.3	3.3	3.3	3.3	0	3.3	3.3	1.2	0
REF NO.	IC3101																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	3.3	1.2	0	1.2	0	3.3	3.3	3.3	3.3	3.3	3.3	0	1.2	0	3.3	3.3	3.3	3.3	3.3	3.3
STANDBY	3.3	1.2	0	1.2	0	3.3	3.3	3.3	3.3	3.3	3.3	0	1.2	0	3.3	3.3	3.3	3.3	3.3	3.3
REF NO.	IC3101																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
CD PLAY	3.3	0	1.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0	1.2	1.2	0	3.3	0	0	0	3.3	3.3
STANDBY	3.3	0	1.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0	1.2	1.2	0	3.3	0	0	0	3.3	3.3
REF NO.	IC3101																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
CD PLAY	0	0	1.2	0	3.3	3.3	0	3.3	3.3	0	0	1.2	0	3.3	0	0	0	0	1.2	0
STANDBY	0	0	1.2	0	3.3	3.3	0	3.3	3.3	0	0	1.2	0	3.3	0	0	0	0	1.2	0
REF NO.	IC3101																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CD PLAY	1.2	0	1.7	1.6	3.3	0	0	0	0	3.3	0	0	0	0	0	3.3	0	0	0	0
STANDBY	1.2	0	1.7	1.6	3.3	0	0	0	0	3.3	0	0	0	0	0	3.3	0	0	0	0
REF NO.	IC3101																			
MODE	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
CD PLAY	0	3.3	3.3	1.2	1.2	0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0	3.3	1.6	0	1.2	3.3	3.3
STANDBY	0	3.3	3.3	1.2	1.2	0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0	3.3	1.6	0	1.2	3.3	3.3
REF NO.	IC3101																			
MODE	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
CD PLAY	3.3	0	0	0	1.7	0	1.2	0	3.3	1.7	1.7	1.7	1.7	0	0.7	0	1.5	1.2	3.3	0
STANDBY	3.3	0	0	0	1.7	0	1.2	0	3.3	1.7	1.7	1.7	1.7	0	0	0	0	1.2	3.3	0
REF NO.	IC3101																			
MODE	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
CD PLAY	1.2	0	1.7	0	0	0	1.6	0	0	3.3	0	1.2	0	1.2	0	1.2	1.2	1.2	0	1.2
STANDBY	1.2	0	1.7	0	0	0	0	0	0	3.3	0	1.2	0	1.2	0	1.2	1.2	1.2	0	1.2
REF NO.	IC3101																			
MODE	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
CD PLAY	1.2	1.2	3.3	0	0	0	1.2	0	0	0	0	3.3	3.3	1.2	0.1	0.1	0.1	0.1	3.3	0
STANDBY	1.2	1.2	3.3	0	0	0	1.2	0	0	0	0	3.3	3.3	1.2	0.1	0.1	0.1	0.1	3.3	0
REF NO.	IC3101																			
MODE	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
CD PLAY	1.2	0	1.7	1.7	1.7	1.7	3.3	3.3	3.3	3.3	3.3	0	1.2	0	3.3	3.3	3.3	0.2	0.2	3.3
STANDBY	1.2	0	1.7	1.7	1.7	1.7	3.3	3.3	3.3	3.3	3.3	0	1.2	0	3.3	3.3	3.3	0.2	0.2	3.3
REF NO.	IC3101																			
MODE	201	202	203	204	205	206	207	208												
CD PLAY	3.3	3.3	3.3	0	3.3	3.3	3.3	1.2												
STANDBY	3.3	3.3	3.3	0	3.3	3.3	3.3	1.2												
REF NO.	IC3102																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0	0	0	0	0	0	3.3	0	0	3.3	3.3	0	0	1.8	0	0	3.3	0	3.3
STANDBY	0	0	0	0	0	0	0	3.3	0	0	3.3	3.3	0	0	1.7	0	0	3.3	0	3.3
REF NO.	IC3102																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	3.3	3.3	0	0	3.3	0	3.3	3.3	1.3	3.3	1.3	3.3	1.3	3.3	1.3	3.3	3.3	1.3	3.3
STANDBY	0	3.3	3.3	0	0	3.3	0	3.3	3.3	1.3	3.3	1.3	3.3	1.3	3.3	1.4	3.3	3.3	1.4	3.3
REF NO.	IC3102																			
MODE	41	42	43	44	45	46	47	48												
CD PLAY	1.4	3.3	1.3	3.3	0	0	0	0												
STANDBY	1.4	3.3	1.5	3.3	0	0	0	0												
REF NO.	IC3103																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	3.3	0	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	0	3.3
STANDBY	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	3.3	0	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	0	3.3
REF NO.	IC3103																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	0	3.3	3.3	3.3	0	0	3.3	0	3.3	3.3	0	0	3.3	1.6	0	0	3.3	3.3	3.3
STANDBY	0	0	3.3	3.3	3.3	0	0	3.3	0	3.3	3.3	0	0	3.3	1.6	0	0	3.3	3.3	3.3
REF NO.	IC3103																			
MODE	41	42	43	44	45	46	47	48	19	50										
CD PLAY	0	3.3	3.3	3.3	3.3	3.3	0	3.3	0	0										
STANDBY	0	3.3	3.3	3.3	3.3	3.3	0	3.3	0	0										
REF NO.	IC3104																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	3.3	0	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	0	3.3
STANDBY	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	3.3	0	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	0	3.3
REF NO.	IC3104																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	0	3.3	3.3	3.3	0	0	3.3	0	3.3	3.3	0	0	3.3	1.6	0	0	3.3	3.3	3.3
STANDBY	0	0	3.3	3.3	3.3	0	0	3.3	0	3.3	3.3	0	0	3.3	1.6	0	0	3.3	3.3	3.3
REF NO.	IC3104																			
MODE	41	42	43	44	45	46	47	48	49	50										
CD PLAY	0	3.3	3.3	3.3	3.3	3.3	0	3.3	0	0										
STANDBY	0	3.3	3.3	3.3	3.3	3.3	0	3.3	0	0										

REF NO.	IC3201																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
CD PLAY	2.2	2.5	0	2.5	0	5.1	3.3	0	1.2	1.7	1.7	1.7	3.3	3.3	0	0				
STANDBY	2.2	2.5	0	2.5	0	5.1	3.3	0	1.2	1.7	1.7	1.7	3.3	3.3	0	0				
REF NO.	IC3401																			
MODE	1	2	3	4	5															
CD PLAY	0	0.2	0	0.2	0															
STANDBY	0	0.2	0	0.2	0															
REF NO.	IC3402																			
MODE	1	2	3	4	5															
CD PLAY	0	1.7	0	1.7	3.3															
STANDBY	0	1.7	0	1.7	3.3															
REF NO.	IC3403																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0.2	1.7	1.6	0	1.7	3.3	0	3.3												
STANDBY	0.2	1.7	1.6	0	1.7	3.3	0	3.3												
REF NO.	IC3404																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	1.6	0	2.6	0	0	0	0	0	0	0	3.3	0	5.1	0	0	0	0.7	0.1	0	3.3
STANDBY	1.6	0	2.6	0	0	0	0	0	0	0	3.3	0	5.1	0	0	0	0.7	0.1	0	3.3
REF NO.	IC3404																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	3.3	0	1.7	1.7	0.3	1.7	1.7	1.3	1.5	1.7	3.3	3.3	0.2	0.2	3.3	3.3	3.3	3.3	1.2	1.2
STANDBY	3.3	0	1.7	1.7	0	1.7	1.7	1.2	1.5	1.7	3.3	3.3	0.2	0.2	3.3	3.3	3.3	3.3	1.2	1.2
REF NO.	IC3404																			
MODE	41	42	43	44	45	46	47	48												
CD PLAY	0	1.7	0	1.6	0	1.6	0	1.6												
STANDBY	0	1.7	0	1.6	0	1.6	0	1.6												
REF NO.	IC3501																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	1.6	1.6	1.6	1.6	3.3	3.3	0.2	0.2	0	0	0	5.0	5.0	5.0	0	0	2.5	2.5	2.5	2.5
STANDBY	1.7	1.7	0	1.7	3.3	3.3	0.2	0.2	0	0	0	5.0	5.0	5.0	0	0	2.5	2.5	2.5	2.5
REF NO.	IC3501																			
MODE	21	22	23	24	25	26	27	28	29	30										
CD PLAY	2.5	2.5	0	2.5	2.5	2.5	0	5.1	0	0										
STANDBY	2.5	2.5	0	2.5	2.5	2.5	0	5.1	5.1	5.1										
REF NO.	IC3551																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	3.3	0	1.3	0	0	0	0	0	0	0	0	0	0	0	0	0	3.3	0	3.3
STANDBY	0	3.3	0	1.3	0	0	0	0	0	0	0	0	0	0	0	0	0	3.3	0	3.3
REF NO.	IC3601																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	5.1	4.5	1.3	1.3	0.8	0	3.5	5.1												
STANDBY	5.1	4.5	1.3	1.3	0.8	0	3.5	5.1												
REF NO.	IC3602																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	3.3	0	0	1.9	5.1	0	0	4.4												
STANDBY	3.3	0	0	1.9	5.1	0	0	4.4												
REF NO.	Q3601																			
MODE	1	2	3	4	5	6														
CD PLAY	1.3	1.3	3.5	5.1	1.3	1.3														
STANDBY	1.3	1.3	3.5	5.1	1.3	1.3														
REF NO.	QR3401				QR3601															
MODE	E	C	B		E	C	B													
CD PLAY	3.3	0	3.3		0	3.2	0.2													
STANDBY	3.3	0	3.3		0	3.2	0.2													

SA-BX500PP DSP P.C.B.

8.3. D-Amp A (4CH) P.C.B.

REF NO.	IC5000																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	2.5	0.1	0.1	2.9	0	-29.3	-29.3	29.3	11	-0.1	-29.5	-17.3	-29.5	-0.1	11	29.3	-29.3	-29.3	0	29
STANDBY	2.5	0.1	0.1	2.9	0	-29.3	-21	29.3	11	-0.1	-29.5	-17.3	-29.5	-0.1	11	29.3	-29.3	-29.2	0	29
REF NO.	IC5000																			
MODE	21	22	23																	
CD PLAY	-0.1	-0.1	2.5																	
STANDBY	-0.1	-0.1	2.5																	
REF NO.	IC5200																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	2.5	-0.1	-0.1	29	0	-29.3	-29.3	29.3	11	-0.1	-29.5	-17.3	-29.5	-0.1	11	29.3	-29 17	-29.3	0	29
STANDBY	2.5	-0.1	-0.1	29	0	-29.3	-29.3	29.3	11	-0.1	-29.5	-17.3	-29.5	-0.1	11	29.3	13129.3	-29.3	0	29
REF NO.	IC5200																			
MODE	21	22	23																	
CD PLAY	-0.1	-0.1	2.5																	
STANDBY	-0.1	-0.1	2.5																	
REF NO.	IC5300																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	2.5	-0.1	-0.1	29	0	-29.3	-29.3	29.3	11	-0.1	-29.5	-17.3	-29.5	-0.1	11	29.3	-29 17	-29.3	0	29
STANDBY	2.5	-0.1	-0.1	29	0	-29.3	-29.3	29.3	11	-0.1	-29.5	-17.3	-29.5	-0.1	11	29.3	13129.3	-29.3	0	29
REF NO.	IC5300																			
MODE	21	22	23																	
CD PLAY	-0.1	-0.1	2.5																	
STANDBY	-0.1	-0.1	2.5																	
REF NO.	IC5400																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	2.5	-0.1	-0.1	29	0	-29.3	-29.3	29.3	11	-0.1	-29.5	-17.3	-29.5	-0.1	11	29.3	-29 17	-29.3	0	29
STANDBY	2.5	-0.1	-0.1	29	0	-29.3	-29.3	29.3	11	-0.1	-29.5	-17.3	-29.5	-0.1	11	29.3	13129.3	-29.3	0	29
REF NO.	IC5400																			
MODE	21	22	23																	
CD PLAY	-0.1	-0.1	2.5																	
STANDBY	-0.1	-0.1	2.5																	
REF NO.	IC5500																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
CD PLAY	0	5.2	5	0	2.7	2.2	0	2.5	2.6	2.6	2.5	0	5.2	5.2						
STANDBY	0	5.2	5	0	2.7	2.2	0	2.5	2.6	2.6	2.5	0	5.2	5.2						
REF NO.	IC5501																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
CD PLAY	2.5	2.6	2.5	0	2.6	0	0	0	0	0	0	0	5.2	5.2						
STANDBY	2.5	2.6	2.5	0	2.6	0	0	0	0	0	0	0	5.2	5.2						
REF NO.	Q5101				Q5102				Q5601				Q5602				Q5603			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	0	5.2	0		0	5.2	0		0	0	0.7		0	0	0.7		5.2	5.1	4.4	
STANDBY	0	5.2	0		0	5.2	0		0	0	0.7		0	0	0.7		5.2	5.1	4.5	
REF NO.	Q5604				Q5640				Q5641				Q5642				Q5644			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	0	0	0.7		0	0.7	0		0	0	0.7		0	0.7	0		0	0.7	0	
STANDBY	0	0	0.7		0	0.7	0		0	0	0.7		0	0.7	0		0	0.7	0	

SA-BX500PP D-AMP A (4CH) P.C.B.

8.4. D-Amp B (3CH) P.C.B.

REF NO.	IC5000																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	2.5	0.1	0.1	2.9	0	-29.3	-29.3	29.3	11	-0.1	-29.5	-17.3	-29.5	-0.1	11	29.3	-29.3	-29.3	0	29
STANDBY	2.5	0.1	0.1	2.9	0	-29.3	-21	29.3	11	-0.1	-29.5	-17.3	-29.5	-0.1	11	29.3	-29.3	-29.2	0	29
REF NO.	IC5000																			
MODE	21	22	23																	
CD PLAY	-0.1	-0.1	2.5																	
STANDBY	-0.1	-0.1	2.5																	
REF NO.	IC5200																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	2.5	-0.1	-0.1	29	0	-29.3	-29.3	29.3	11	-0.1	-29.5	-17.3	-29.5	-0.1	11	29.3	-29.3	-29.3	0	29
STANDBY	2.5	-0.1	-0.1	29	0	-29.3	-29.3	29.3	11	-0.1	-29.5	-17.3	-29.5	-0.1	11	29.3	-29.3	-29.3	0	29
REF NO.	IC5200																			
MODE	21	22	23																	
CD PLAY	-0.1	-0.1	2.5																	
STANDBY	-0.1	-0.1	2.5																	
REF NO.	IC5300																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	2.5	-0.1	-0.1	29	0	-29.3	-29.3	29.3	11	-0.1	-29.5	-17.3	-29.5	-0.1	11	29.3	-29.3	-29.3	0	29
STANDBY	2.5	-0.1	-0.1	29	0	-29.3	-29.3	29.3	11	-0.1	-29.5	-17.3	-29.5	-0.1	11	29.3	-29.3	-29.3	0	29
REF NO.	IC5300																			
MODE	21	22	23																	
CD PLAY	-0.1	-0.1	2.5																	
STANDBY	-0.1	-0.1	2.5																	
REF NO.	IC5500																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
CD PLAY	0	5.2	5	0	2.7	2.2	0	2.5	2.6	2.6	2.5	0	5.2	5.2						
STANDBY	0	5.2	5	0	2.7	2.2	0	2.5	2.6	2.6	2.5	0	5.2	5.2						
REF NO.	IC5501																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
CD PLAY	2.5	2.6	2.5	0	2.6	0	0	0	0	0	0	0	5.2	5.2						
STANDBY	2.5	2.6	2.5	0	2.6	0	0	0	0	0	0	0	5.2	5.2						
REF NO.	Q5101				Q5102				Q5601				Q5602				Q5603			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	0	5.2	0		0	5.2	0		0	0	0.7		0	0	0.7		5.2	5.1	4.4	
STANDBY	0	5.2	0		0	5.2	0		0	0	0.7		0	0	0.7		5.2	5.1	4.5	
REF NO.	Q5604				Q5640				Q5642				Q5644							
MODE	E	C	B		E	C	B		E	C	B		E	C	B					
CD PLAY	0	0	0.7		0	0.7	0		0	0.7	0		0	0.7	0					
STANDBY	0	0	0.7		0	0.7	0		0	0.7	0		0	0.7	0					

SA-BX500PP D-AMP B (3CH) P.C.B.

8.5. Main P.C.B.

REF NO.	IC101																			
MODE	1	2	3	4	5															
CD PLAY	7.7	7.7	0	2.1	1															
STANDBY	7.7	7.7	0	2.1	1															
REF NO.	IC1001																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	5.1	5.1	3.3	3.3	3.3	3.3	3.3												
STANDBY	0	5.1	5.1	3.3	3.3	3.3	3.3	3.3												
REF NO.	IC1102																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	-7.5	0	0	0	7.7												
STANDBY	0	0	0	-7.5	0	0	0	7.7												
REF NO.	IC4001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0	0	0	0	0	0	0	-7.5	0	0	0	7.6	0	0	0	0	0	0	0
STANDBY	0	0	0	0	0	0	0	0	-7.5	0	0	0	7.6	0	0	0	0	0	0	0
REF NO.	IC4001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REF NO.	IC4001																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
CD PLAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REF NO.	IC4001																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
CD PLAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REF NO.	IC4005																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	-7.2	0	0	0	7.5												
STANDBY	0	0	0	-7.2	0	0	0	7.5												
REF NO.	IC4006																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	-7.2	0	0	0	7.5												
STANDBY	0	0	0	-7.2	0	0	0	7.5												
REF NO.	IC4007																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	-7.5	0	0	0	7.7												
STANDBY	0	0	0	-7.5	0	0	0	7.7												
REF NO.	IC4008																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	-7.5	0	0	0	7.7												
STANDBY	0	0	0	-7.5	0	0	0	7.7												
REF NO.	IC4009																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	-2.1	0	0	0	2.1												
STANDBY	0	0	0	-2.1	0	0	0	2.1												
REF NO.	IC4010																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	-7.5	0	0	0	7.7												
STANDBY	0	0	0	-7.5	0	0	0	7.7												
REF NO.	IC4011																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	-2.1	0	0	0	2.1												
STANDBY	0	0	0	-2.1	0	0	0	2.1												
REF NO.	IC4012																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	-2.1	0	0	0	2.1												
STANDBY	0	0	0	-2.1	0	0	0	2.1												
REF NO.	IC4014																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	-7.2	0	0	0	7.5												
STANDBY	0	0	0	-7.2	0	0	0	7.5												
REF NO.	IC4015																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	-7.5	0	0	0	7.7												
STANDBY	0	0	0	-7.5	0	0	0	7.7												
REF NO.	IC4050																			
MODE	1	2	3	4	5															
CD PLAY	7.7	7.7	0	2.1	1															
STANDBY	7.7	7.7	0	2.1	1															
REF NO.	IC4051																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	-7.5	0	0	0	7.7												
STANDBY	0	0	0	-7.5	0	0	0	7.7												

REF NO.	IC4261																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	2.6	2.6	2.5	0	2.5	2.6	2.6	5.1												
STANDBY	2.6	2.6	2.5	0	2.5	2.6	2.6	5.1												
REF NO.	IC4301																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0.1	0	0	-7.6	0	0	0.1	7.7												
STANDBY	0.1	0	0	-7.6	0	0	0.1	7.7												
REF NO.	IC4303																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	-6.2	1.4	0	-7.6	0	1.4	-6.2	5.1												
STANDBY	-6.2	1.4	0	-7.6	0	1.4	-6.2	5.1												
REF NO.	IC4304																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	-6.2	1.4	0	-7.6	0	1.4	-6.2	5.1												
STANDBY	-6.2	1.4	0	-7.6	0	1.4	-6.2	5.1												
REF NO.	IC4305																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	-7.5	0	0	0	7.7												
STANDBY	0	0	0	-7.5	0	0	0	7.7												
REF NO.	IC4404																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	-7.5	0	0	0	7.7												
STANDBY	0	0	0	-7.5	0	0	0	7.7												
REF NO.	IC4405																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
CD PLAY	0	0	0	0	-7.5	-7.5	-7.5	0	0	0	0	7.7	7.7	7.7						
STANDBY	0	0	0	0	-7.5	-7.5	-7.5	0	0	0	0	7.7	7.7	7.7						
REF NO.	IC7002																			
MODE	1	2	3																	
CD PLAY	3.3	0	4.9																	
STANDBY	3.3	0	4.9																	
REF NO.	IC7003																			
MODE	1	2	3																	
CD PLAY	3.3	0	4.9																	
STANDBY	3.3	0	4.9																	
REF NO.	IC7004																			
MODE	1	2	3	4	5															
CD PLAY	7.7	7.7	0	2.1	1															
STANDBY	7.7	7.7	0	2.1	1															
REF NO.	IC7704																			
MODE	1	2	3	4	5															
CD PLAY	7.7	7.7	0	2.1	1															
STANDBY	7.7	7.7	0	2.1	1															
REF NO.	IC7022																			
MODE	1	2	3	4	5															
CD PLAY	7.7	7.7	0	2.1	1															
STANDBY	7.7	7.7	0	2.1	1															
REF NO.	IC7722																			
MODE	1	2	3	4	5															
CD PLAY	5.7	0	3.3	-	5.3															
STANDBY	5.7	0	3.3	-	5.3															
REF NO.	IC7723																			
MODE	1	2	3	4	5															
CD PLAY	5.7	0	3.3	-	5.3															
STANDBY	5.7	0	3.3	-	5.3															
REF NO.	IC8001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	3.2	0	0	3.3	3.3	3.3	3.3	3.3	3.3	0	0	1.6	1.6	0	1.3	1.7	3.3	1.8	3.3	3.3
STANDBY	3.2	0	0	3.3	3.3	3.3	3.3	3.3	3.3	0	0	1.6	1.6	0	1.3	1.7	3.3	1.8	3.3	3.3
REF NO.	IC8001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	3.3	3.3	0	3.3	1	3.3	3.3	0	0	3.3	0.1	3.3	0.1	3.2	1.4	0	1.8	3.3	0	0
STANDBY	3.3	3.3	0	3.3	1	3.3	3.3	0	0	3.3	0.1	3.3	0.1	3.2	1.4	0	1.8	3.3	0	0
REF NO.	IC8001																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
CD PLAY	3.3	0	0	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.3	2.12	0	3.3	0	0	0	3.3	0	0
STANDBY	3.3	0	0	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.3	2.12	0	3.3	0	0	0	3.3	0	0
REF NO.	IC8001																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
CD PLAY	3.3	0	0	3.3	3.3	3.3	3.3	3.3	0	3.3	3.3	1.2	1	0	1.8	3.3	3.3	0	3.3	0.5
STANDBY	3.3	0	0	3.3	3.3	3.3	3.3	3.3	0	3.3	3.3	1.2	1	0	1.8	3.3	3.3	0	3.3	0.5
REF NO.	IC8001																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CD PLAY	2	3.1	0.6	2.9	2	0.4	3.3	0	3.3	0	0	3.3	3.3	0	0	0.9	3.3	3.3	3.3	3.3
STANDBY	2	3.1	0.6	2.9	2	0.4	3.3	0	3.3	0	0	3.3	3.3	0	0	0.9	3.3	3.3	3.3	3.3
REF NO.	IC8002																			
MODE	1	2	3	4	5															
CD PLAY	-	0	0	3.3	3.3															
STANDBY	-	0	0	3.3	3.3															

REF NO.	IC8003																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0.1	0	0	-7.6	0	0	0.1	7.7												
STANDBY	0.1	0	0	-7.6	0	0	0.1	7.7												
REF NO.	IC8004																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	3.3	0	0	3.3	0	3.3	0	3.3	3.3	0	3.2	3.3	3.3	0	0	3.3	-	3.3	0
STANDBY	0	3.3	0	0	3.3	0	3.3	0	3.3	3.3	0	3.2	3.3	3.3	0	0	3.3	-	3.3	0
REF NO.	IC8004																			
MODE	21	22	23	24	25	26	27	28	29	30										
CD PLAY	0	0	3.3	0	3.3	3.3	0	0	3.3	3.3										
STANDBY	0	0	3.3	0	3.3	3.3	0	0	3.3	3.3										
REF NO.	Q1102				Q1103				Q4001											
MODE	E	C	B		E	C	B		1	2	3	4	5	6						
CD PLAY	3.2	3.2	2.5		3.2	3.2	2.5		0	-7.2	0	0	-7.2	0						
STANDBY	3.2	3.2	2.5		3.2	3.2	2.5		0	-7.2	0	0	-7.2	0						
REF NO.	Q4008							Q4009							Q4010					
MODE	1	2	3	4	5	6		1	2	3	4	5	6		1	2	3	4	5	6
CD PLAY	0	0.6	0	0	0.6	0		0	-7.2	0	0	-7.2	0		0	-7.2	0	0	-7.2	0
STANDBY	0	0.6	0	0	0.6	0		0	-7.2	0	0	-7.2	0		0	-7.2	0	0	-7.2	0
REF NO.	Q4011							Q4012							Q4014					
MODE	1	2	3	4	5	6		1	2	3	4	5	6		1	2	3	4	5	6
CD PLAY	0	-7.2	0	0	-1	-		0	-7.2	0	0	-7.2	0		0	-7.2	0	0	-7.2	0
STANDBY	0	-7.2	0	0	-1	-		0	-7.2	0	0	-7.2	0		0	-7.2	0	0	-7.2	0
REF NO.	Q4301							Q4302							Q4304					
MODE	1	2	3	4	5	6		1	2	3	4	5	6		1	2	3	4	5	6
CD PLAY	0	-7.2	0	0	-7.2	0		0	-7.2	0	0	-7.2	0		0	-7.2	0	0	-7.2	0
STANDBY	0	-7.2	0	0	-7.2	0		0	-7.2	0	0	-7.2	0		0	-7.2	0	0	-7.2	0
REF NO.	Q4305							Q4404							Q7001					
MODE	1	2	3	4	5	6		1	2	3	4	5	6		E	C	B			
CD PLAY	0	-7.2	0	0	-7.2	0		0	-7.2	0	0	-7.2	0		-7.6	-11	-8.2			
STANDBY	0	-7.2	0	0	-7.2	0		0	-7.2	0	0	-7.2	0		-7.6	-11	-8.2			
REF NO.	Q7004				Q7005				Q7006				Q7007				Q69831			
MODE	E	C	B		E	C	B		E	C	B			C	B		E	C	B	
CD PLAY	-7.6	-11	-8.2		0	-8.2	-0.6		7.7	11	8.3		0	3.3	1.3		-2.1	-7.6	-2.7	
STANDBY	-7.6	-11	-8.2		0	-8.2	-0.6		7.7	11	8.3		0	3.3	1.3		-2.1	-7.6	-2.7	
REF NO.	QR1101				QR1102				QR4009				QR4010				QR4011			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	0	0	3.2		0	0	3.2		3.3	3.3	0		3.3	-7.2	3.3		3.3	-7.2	3.3	
STANDBY	0	0	3.2		0	0	3.2		3.3	3.3	0		3.3	-7.2	3.3		3.3	-7.2	3.3	
REF NO.	QR4012				QR4013				QR4014				QR4304				QR4305			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	3.3	3.3	0		3.3	-7.2	3.3		0	0	3.2		3.3	-7.2	3.3		3.3	-7.2	3.3	
STANDBY	3.3	3.3	0		3.3	-7.2	3.3		0	0	3.2		3.3	-7.2	3.3		3.3	-7.2	3.3	
REF NO.	QR4306				QR4401				QR4402				QR4403				QR7001			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	0	3.3	0		3.3	3.3	0		3.3	3.3	0		3.3	3.3	0		0	3.3	0	
STANDBY	0	3.3	0		3.3	3.3	0		3.3	3.3	0		3.3	3.3	0		0	3.3	0	
REF NO.	QR7105				QR7106				QR7109				QR8011				QR8012			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	3.3	3.3	0		0	3.3	0		0	0	3.3		3.3	3.3	0		3.3	0	3.3	
STANDBY	3.3	3.3	0		0	3.3	0		0	0	3.3		3.3	3.3	0		3.3	0	3.3	
REF NO.	QR8017																			
MODE	E	C	B																	
CD PLAY	3.3	3.3	0																	
STANDBY	3.3	3.3	0																	

SA-BX500PP MAIN P.C.B.

8.6. Panel P.C.B.

REF NO.	IC501																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0	0	0	2.0	1.3	0.1	0.1	3.3	1.3	1.3	0	3.3	-25.3	-22	-23	-23	-19	-21	-16
STANDBY	0	0	0	0	1.9	1.3	0.1	0.1	3.3	1.3	1.3	0	3.3	-25.4	-22	-23	-23.1	-20.8	-23.1	-13.9
REF NO.	IC501																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	-25.4	-25.3	-25.3	-19	-20.7	-23.1	-23.1	-25.3	-25.3	-25.8	-14	-16.3	-23.7	-23.3	-23.3	-23.3	-23.3	-23.3	-23.2	-23.2
STANDBY	-25.4	-25.4	-25.4	-18.4	-18.4	-25.4	-25.4	-25.4	-18.5	-25.9	-14	-21	-23.8	-23.4	-23.4	-23.r	-23.4	-23.4	-23.3	-23.3
REF NO.	IC501																			
MODE	41	42	43	44																
CD PLAY	-23.2	-23.3	3.3	0																
STANDBY	-23.3	-23.2	-3.3	0																
REF NO.	IC502																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	-7.2	0	0	0	7.5												
STANDBY	0	0	0	-7.2	0	0	0	7.5												
REF NO.	Q501																			
MODE	1	2	3	4	5	6														
CD PLAY	0	-7.2	0	0	-7.2	0														
STANDBY	0	-7.2	0	0	-7.2	0														
REF NO.	QR501				QR502				QR503				QR504				QR505			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	0	4.8	0		0	5.0	0		0	5.0	0		0	4.8	0		0	5.0	0	
STANDBY	0	4.8	0		0	5.0	0		0	5.0	0		0	4.8	0		0	5.0	0	
REF NO.	QR506				QR507				QR508				QR509				QR510			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	0	4.8	0		0	5.0	0		0	5.0	0		0	4.8	0		0	5.0	0	
STANDBY	0	4.8	0		0	5.0	0		0	5.0	0		0	4.8	0		0	5.0	0	
REF NO.	QR511				QR512				QR513											
MODE	E	C	B		E	C	B		E	C	B									
CD PLAY	0	4.8	0		0	5.0	0		0	5.0	0									
STANDBY	0	4.8	0		0	5.0	0		0	5.0	0									

SA-BX500PP PANEL P.C.B.

8.7. Digital, Speaker & Fan P.C.B.

REF NO.	IC4401																			
MODE	1	2	3	4	5	6														
CD PLAY	0	1.2	4.9	2	0	1.9														
STANDBY	0	1.2	4.9	2	0	1.9														

SA-BX500PP DIGITAL P.C.B.

REF NO.	Q4601				Q4602				Q4603				Q4604							
MODE	E	C	B		E	C	B		E	C	B		E	C	B					
CD PLAY	0	0	0.7		0	0	0.7		0	10.9	0		0	0.1	0.7					
STANDBY	0	0	0.7		0	0	0.7		0	10.9	0		0	0.1	0.7					

SA-BX500PP SPEAKER P.C.B.

REF NO.	QR5991																			
MODE	E	C	B																	
CD PLAY	0	3.3	0																	
STANDBY	0	3.3	0																	

SA-BX500PP FAN P.C.B.

8.8. Video P.C.B.

REF NO.	IC1001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
CD PLAY	0	2.6	0	0	0	0	0	-4.9	0	0	0	0	0	3.1	0	5				
STANDBY	0	2.6	0	0	0	0	0	-4.9	0	0	0	0	0	3.1	0	5				
REF NO.	IC1002																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	3.2	0	0	0	5	0	0	0	0	0	0	0	0	0	-4.9	0	-4.9	0	0
STANDBY	0	3.2	0	0	0	5	0	0	0	0	0	0	0	0	0	-4.9	0	-4.9	0	0
REF NO.	IC1002																			
MODE	21	22	23	24																
CD PLAY	4.9	0	3.2	0																
STANDBY	4.9	0	3.2	0																
REF NO.	IC1003																			
MODE	1	2	3	4	5	6														
CD PLAY	0	1.2	4.9	2	0	1.9														
STANDBY	0	1.2	4.9	2	0	1.9														
REF NO.	Q1001				Q1002				Q1003											
MODE	E	C	B		E	C	B		E	C	B									
CD PLAY	4.9	7.6	5.6		-4.9	-7.5	-5.5		0	3.2	-1									
STANDBY	4.9	7.6	5.6		-4.9	-7.5	-5.5		0	3.2	-1									

SA-BX500PP VIDEO P.C.B.

8.9. S-Video P.C.B.

REF NO.	IC1051																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
CD PLAY	0	2.4	0	0	0	0	0	-4.9	0	0	0	0	0	2.9	0	4.9				
STANDBY	0	2.4	0	0	0	0	0	-4.9	0	0	0	0	0	2.9	0	4.9				
REF NO.	IC1052																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
CD PLAY	0	2.4	0	0	0	0	0	-4.9	0	0	0	0	0	2.9	0	4.9				
STANDBY	0	2.4	0	0	0	0	0	-4.9	0	0	0	0	0	2.9	0	4.9				
REF NO.	IC1053																			
MODE	1	2	3	4	5	6														
CD PLAY	0	1.2	4.9	2	0	1.9														
STANDBY	0	1.2	4.9	2	0	1.9														
REF NO.	IC1054																			
MODE	1	2	3	4	5	6														
CD PLAY	0	1.2	4.9	2	0	1.9														
STANDBY	0	1.2	4.9	2	0	1.9														

SA-BX500PP S-VIDEO P.C.B.

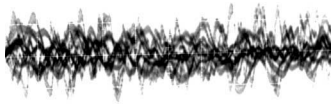
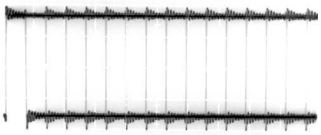
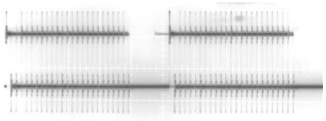
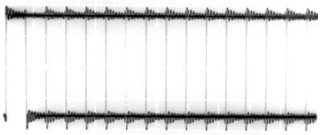
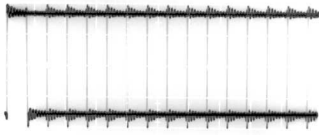
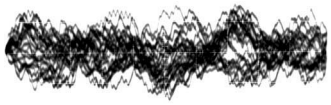
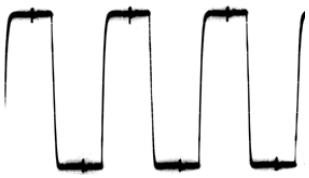
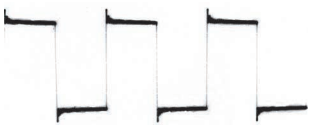
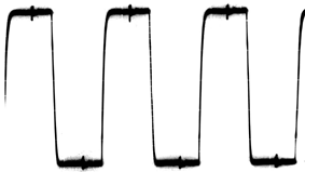
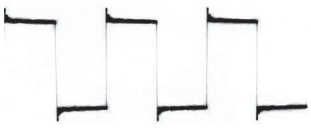
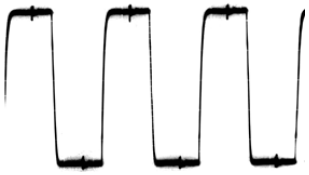
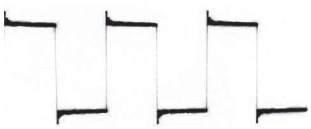
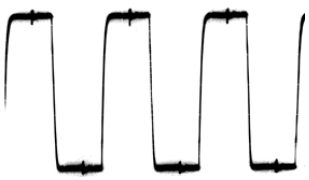
8.10. SMPS P.C.B.

REF NO.	IC5701																			
MODE	1	2	3	4	5	6	7													
CD PLAY	162	0	0	19.3	0.1	1.4	0.5													
STANDBY	162	0	0	19.3	0.1	1.4	0.5													
REF NO.	IC5799																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	6.0	1.6	1.8	20.3	162.2	-	0	0												
STANDBY	6.0	1.6	2.0	20.3	163.0	-	0	0												
REF NO.	IC5801																			
MODE	1	2	3																	
CD PLAY	-2.2	-29.5	-26.8																	
STANDBY	-2.2	-29.5	-26.8																	
REF NO.	IC5899																			
MODE	1	2	3																	
CD PLAY	4.2	0	2.5																	
STANDBY	4.2	0	2.5																	
REF NO.	Q5720				Q5721				Q5722				Q5802				Q5803			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	5.9	6.5	5.6		19.9	19.9	19.2		0	17.0	0.1		-21.9	-2.2	-22		0	5.8	0	
STANDBY	5.9	6.6	5.6		19.9	19.9	19.2		0	16.8	0.1		-21.8	-2.2	-22		0	5.8	0	
REF NO.	Q5860				Q5861				Q5862				Q5898							
MODE	E	C	B		E	C	B		E	C	B		E	C	B					
CD PLAY	1.3	0	0.7		0	0	0.7		0	5.2	0		0	3.2	0.5					
STANDBY	1.3	0	0.7		0	0	0.7		0	5.2	0		0	3.2	0.5					
REF NO.	QR5801				QR5810															
MODE	E	C	B		E	C	B													
CD PLAY	0	5.0	0		0	0.1	5													
STANDBY	0	5.0	0		0	0	5													

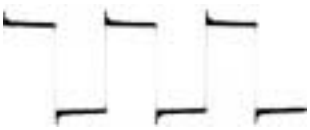
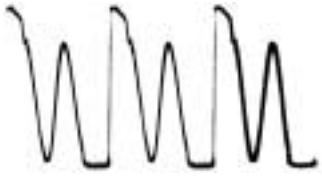
SA-BX500PP SMPS P.C.B.

8.11. Waveform Chart

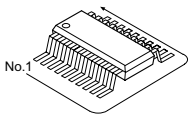
8.11.1. Waveform 1

WF No. IC501-5 (PLAY)  1.5Vp-p(2usec/div)	WF No. IC1001-1 (PLAY)  2.6Vp-p(20usec/div)	WF No. IC1001-9 (PLAY)  1.0Vp-p(20usec/div)	WF No. IC3201-1,2 (PLAY)  0.9Vp-p(2msec/div)
WF No. IC3201-9 (PLAY)  6Vp-p(500nsec/div)	WF No. IC3404-25,28 (PLAY)  4Vp-p(1usec/div)	WF No. IC3404-42 (PLAY)  3.4Vp-p(500nsec/div)	WF No. IC3501-3 (PLAY)  3.4Vp-p(500nsec/div)
WF No. IC4001-28 (PLAY)  0.3Vp-p(200usec/div)	WF No. IC4001-43,44 (PLAY)  3Vp-p(200usec/div)	WF No. IC4001-58,72 (PLAY)  5.6Vp-p(200usec/div)	WF No. IC5000-1 (PLAY)  5.6Vp-p(1usec/div)
WF No. IC5000-2 (PLAY)  0.84Vp-p(200usec/div)	WF No. IC5000-10,14 (PLAY)  80Vp-p(1usec/div)	WF No. IC5000-22 (PLAY)  0.84Vp-p(200usec/div)	WF No. IC5200-1 (PLAY)  5.6Vp-p(1usec/div)
WF No. IC5200-2 (PLAY)  0.84Vp-p(200usec/div)	WF No. IC5200-10,14 (PLAY)  80Vp-p(1usec/div)	WF No. IC5200-22 (PLAY)  0.84Vp-p(200usec/div)	WF No. IC5300-1 (PLAY)  5.6Vp-p(1usec/div)
WF No. IC5300-2 (PLAY)  0.84Vp-p(200usec/div)	WF No. IC5300-10,14 (PLAY)  80Vp-p(1usec/div)	WF No. IC5300-22 (PLAY)  0.84Vp-p(200usec/div)	WF No. IC5400-1 (PLAY)  5.6Vp-p(1usec/div)

8.11.2. Waveform 2

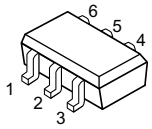
WF No. IC5400-2 (PLAY)  0.84Vp-p(200usec/div)	WF No. IC5400-10,14 (PLAY)  80Vp-p(1usec/div)	WF No. IC5400-22 (PLAY)  0.84Vp-p(200usec/div)	WF No. IC5500-5 (PLAY)  7.2Vp-p(500nsec/div)
WF No. IC5500-8 (PLAY)  5.6Vp-p(500usec/div)	WF No. IC5701-1 (PLAY)  400Vp-p(2usec/div)	WF No. IC5701-4,6 (PLAY)  2Vp-p(5usec/div)	WF No. IC5799-2 (PLAY)  2Vp-p(5usec/div)
WF No. IC5799-3 (PLAY)  9.6Vp-p(5usec/div)	WF No. IC5799-5 (PLAY)  240Vp-p(50usec/div)		

9 Illustration of IC's, Transistors and Diodes

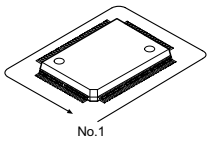


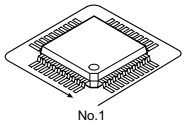
C0ABBB000189 (8p)
C0DBZYY00018 (8p)
C0ABBB000038 (8p)
C0DBZYE00002 (8p)
C0DBAKG00007 (8p)
C0JBAB000902 (14p)
C0JBAF000716 (14p)
C0FBAK000026 (16p)
C1AB00001931 (16p)
C0JBAZ001466 (20p)
C1AB00002029 (24p)
C0JBAZ002843 (30p)
C0FBBK000044 (30p)
C3ABMG000238 (50p)
C0JBAZ002811 (20p)

C0JBAB000685
C1AB00001486
C1AB00002951



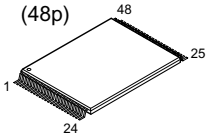
C2CBJH000147 (100p)



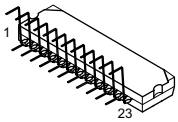


C0HBB0000057 (44p)
C1BB00000692 (48p)
C1AB00002977 (80p)
C1AB00002975 (100p)
C1AB00002989 (145p)
C2HBZY000027 (208p)
C2HBZY000028 (208p)
RFKWBX500EBK (100p)

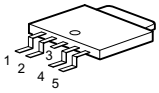
RFKWFDE001AA (48p)
RFKWFDE002AA (48p)



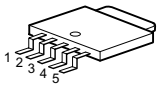
C1BA00000487 (23P)



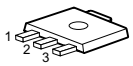
C0DBAYH00005
C0DBZHG00047
C0CBCAG00015
C0CBCBG00013



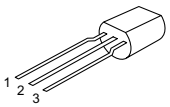
C0DBEKG00004



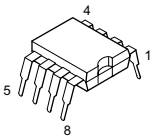
C0CBABC00117



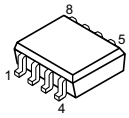
C0DABFC00002 (3p)
C0DAEMZ00001 (3p)



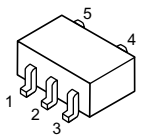
MIP4110MSSCF (8p)



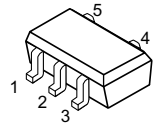
C0AABB000085
C0ABBB000125
C0JBAR000434
C0JBAS000008

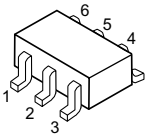


C0CBCDC00014
B1CFGD000002



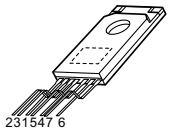
C0CBCBC00049
C0EBE0000242
C0EBE0000338



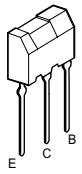


B1GFGCAA0001
B1HBCFA00003
C0JBAB000661
C1AB00001340

C5HACYY00004 (7p)



B1BABK000001



2SC3940ARA
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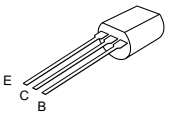
2SD0592AWA



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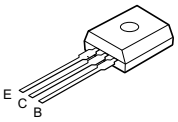

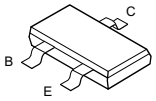

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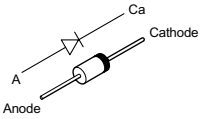

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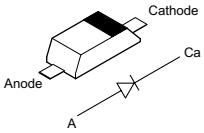

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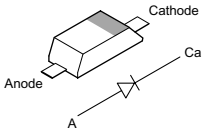

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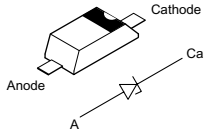

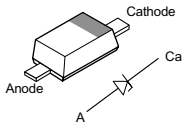

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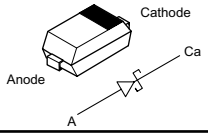

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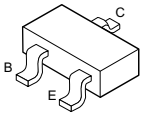

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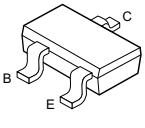

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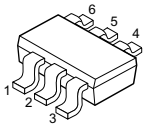

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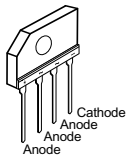

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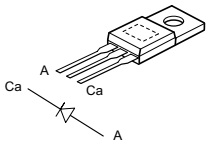

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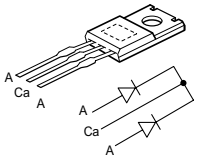

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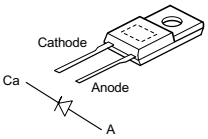

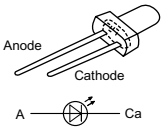

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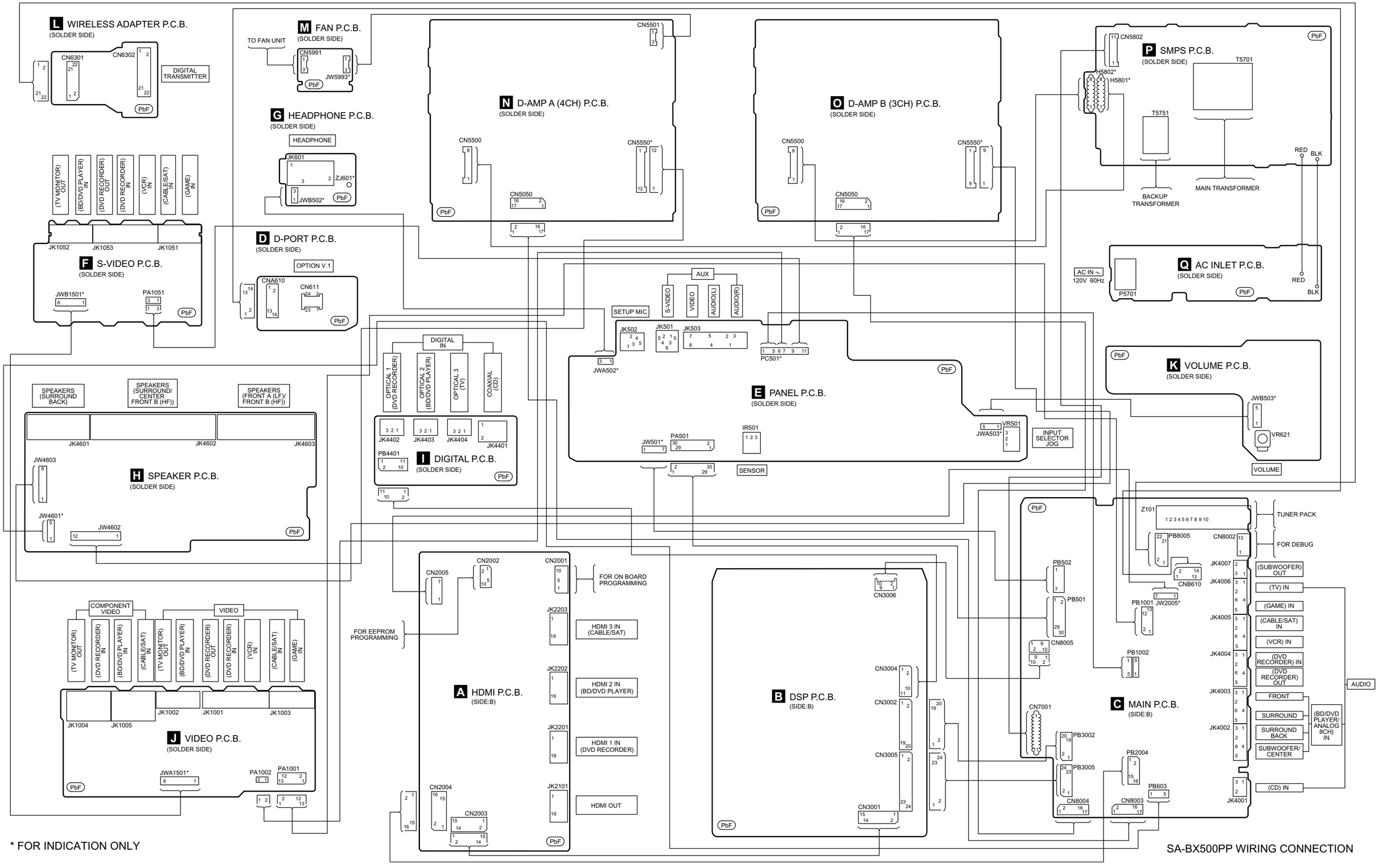
10 Wiring Connection Diagram

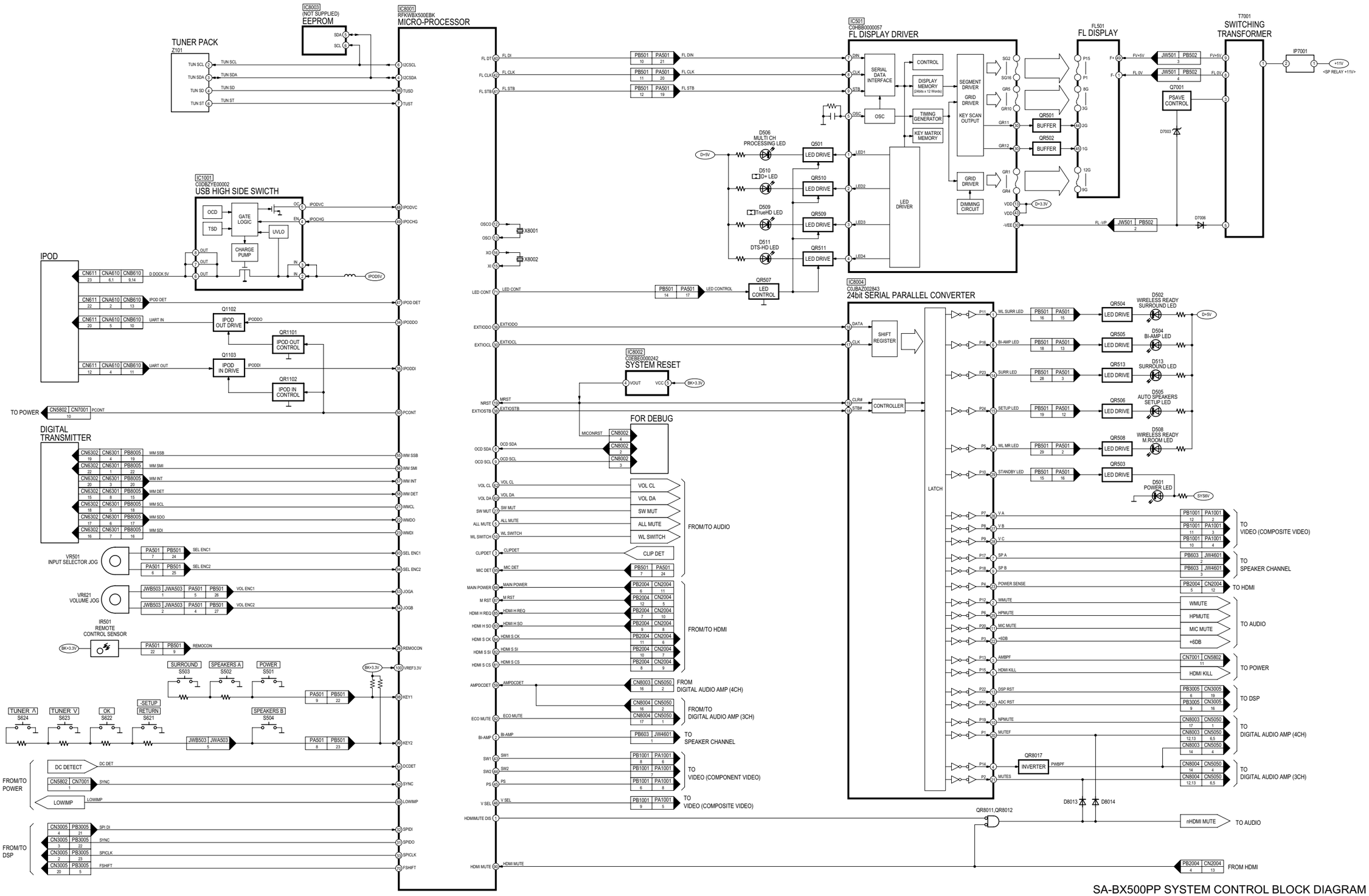


* FOR INDICATION ONLY

SA-BX500PP WIRING CONNECTION

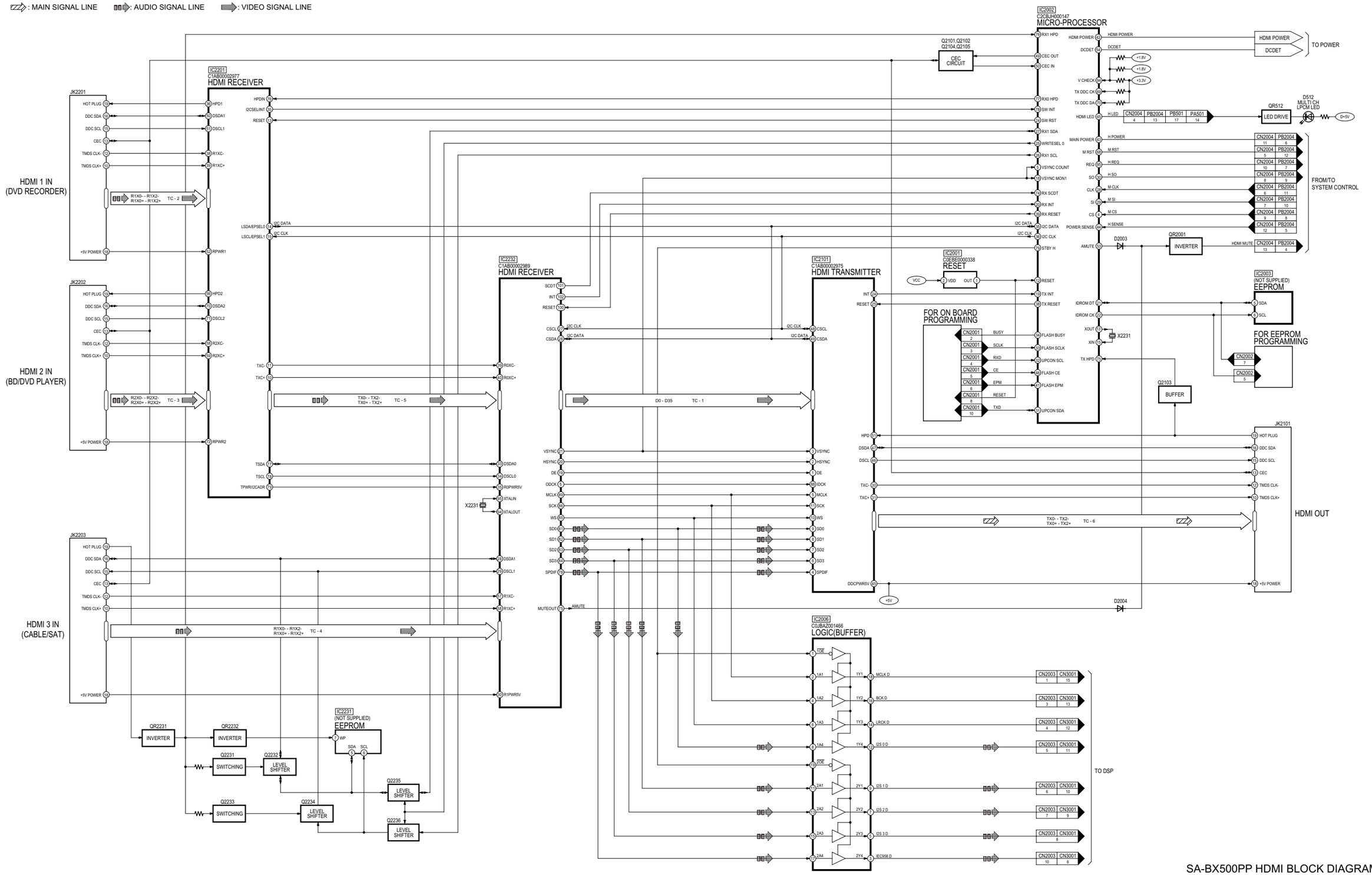
11 Block Diagram

11.1. System Control



SA-BX500PP SYSTEM CONTROL BLOCK DIAGRAM

11.2. HDMI



SA-BX500PP HDMI BLOCK DIAGRAM

11.3. IC Terminal (HDMI) Chart

TC	IC2232 / HDMI RECEIVER		SIGNAL NAME	IC2101 / HDMI TRANSMITTER	
	Port Name	Pin No		Pin No	Port Name
1	Q0	16	D0	98	D0
	Q1	15	D1	97	D1
	Q2	14	D2	96	D2
	Q3	13	D3	95	D3
	Q4	10	D4	94	D4
	Q5	9	D5	93	D5
	Q6	8	D6	92	D6
	Q7	7	D7	91	D7
	Q8	3	D8	90	D8
	Q9	2	D9	86	D9
	Q10	1	D10	85	D10
	Q11	144	D11	84	D11
	Q12	141	D12	83	D12
	Q13	140	D13	82	D13
	Q14	139	D14	81	D14
	Q15	138	D15	80	D15
	Q16	135	D16	79	D16
	Q17	134	D17	78	D17
	Q18	133	D18	77	D18
	Q19	132	D19	75	D19
	Q20	129	D20	74	D20
	Q21	128	D21	73	D21
	Q22	127	D22	72	D22
	Q23	126	D23	71	D23
	Q24	123	D24	70	D24
	Q25	122	D25	69	D25
	Q26	121	D26	68	D26
	Q27	120	D27	67	D27
	Q28	117	D28	63	D28
	Q29	116	D29	62	D29
	Q30	115	D30	61	D30
	Q31	114	D31	60	D31
	Q32	111	D32	59	D32
	Q33	110	D33	58	D33
	Q34	109	D34	57	D34
	Q35	108	D35	56	D35

TC	JK2201 / HDMI 1 IN		SIGNAL NAME	IC2201 / HDMI RECEIVER	
	Port Name	Pin No		Pin No	Port Name
2	TMDS D0-	9	R1X0-	41	R1X0-
	TMDS D0+	7	R1X0+	42	R1X0+
	TMDS D1-	6	R1X1-	44	R1X1-
	TMDS D1+	4	R1X1+	45	R1X1+
	TMDS D2-	2	R1X2-	47	R1X2-
	TMDS D2+	1	R1X2+	48	R1X2+

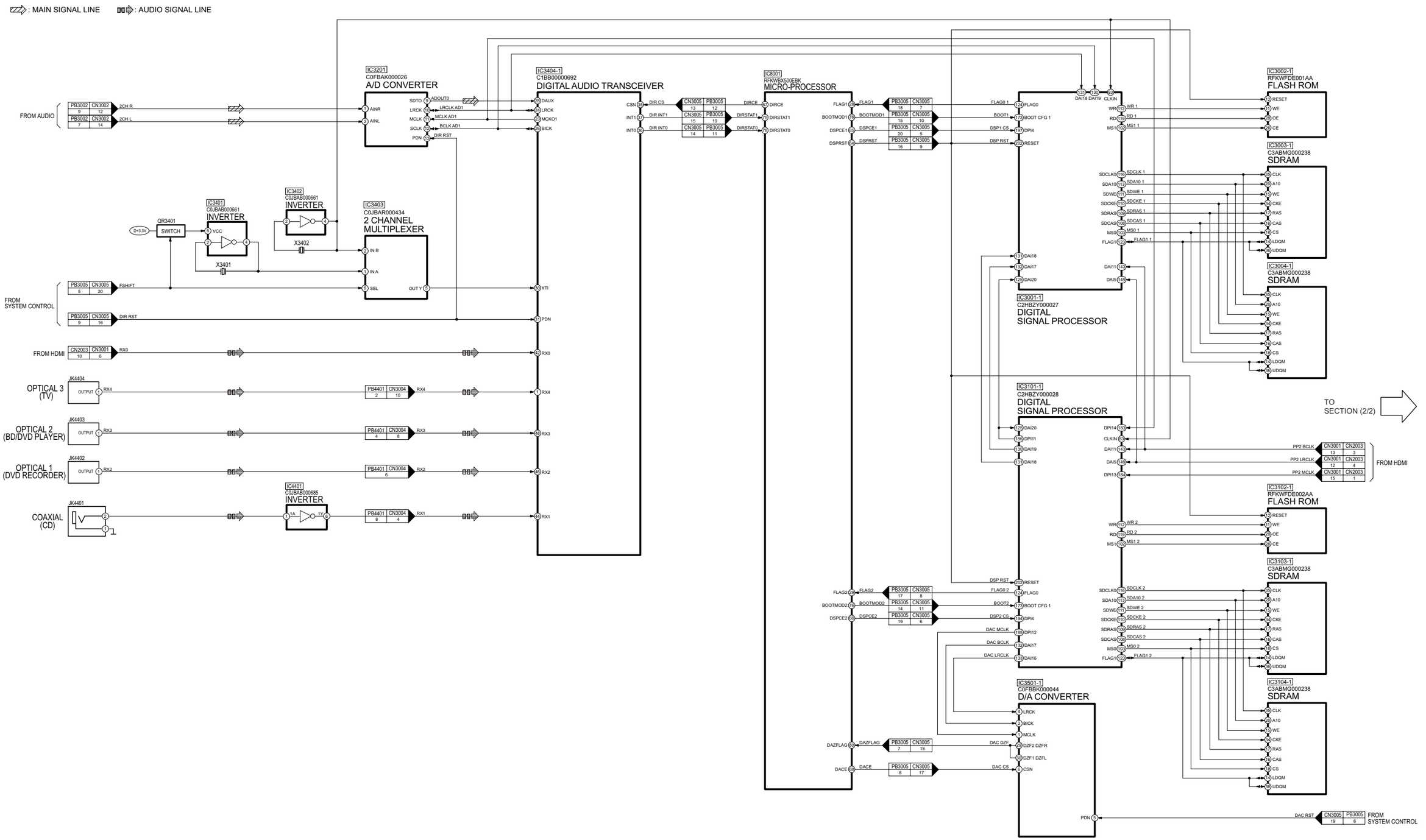
TC	JK2202 / HDMI 2 IN		SIGNAL NAME	IC2201 / HDMI RECEIVER	
	Port Name	Pin No		Pin No	Port Name
3	TMDS D0-	9	R2X0-	61	R2X0-
	TMDS D0+	7	R2X0+	62	R2X0+
	TMDS D1-	6	R2X1-	64	R2X1-
	TMDS D1+	4	R2X1+	65	R2X1+
	TMDS D2-	2	R2X2-	67	R2X2-
	TMDS D2+	1	R2X2+	68	R2X2+

TC	JK2203 / HDMI 3 IN		SIGNAL NAME	IC2232 / HDMI RECEIVER	
	Port Name	Pin No		Pin No	Port Name
4	TMDS D0-	9	R1X0-	61	R1X0-
	TMDS D0+	7	R1X0+	62	R1X0+
	TMDS D1-	6	R1X1-	65	R1X1-
	TMDS D1+	4	R1X1+	66	R1X1+
	TMDS D2-	2	R1X2-	69	R1X2-
	TMDS D2+	1	R1X2+	70	R1X2+

TC	IC2201 / HDMI RECEIVER		SIGNAL NAME	IC2232 / HDMI RECEIVER	
	Port Name	Pin No		Pin No	Port Name
5	TX0-	9	R0X0-	43	R0X0-
	TX0+	7	R0X0+	44	R0X0+
	TX1-	6	R0X1-	47	R0X1-
	TX1+	4	R0X1+	48	R0X1+
	TX2-	2	R0X2-	51	R0X2-
	TX2+	1	R0X2+	52	R0X2+

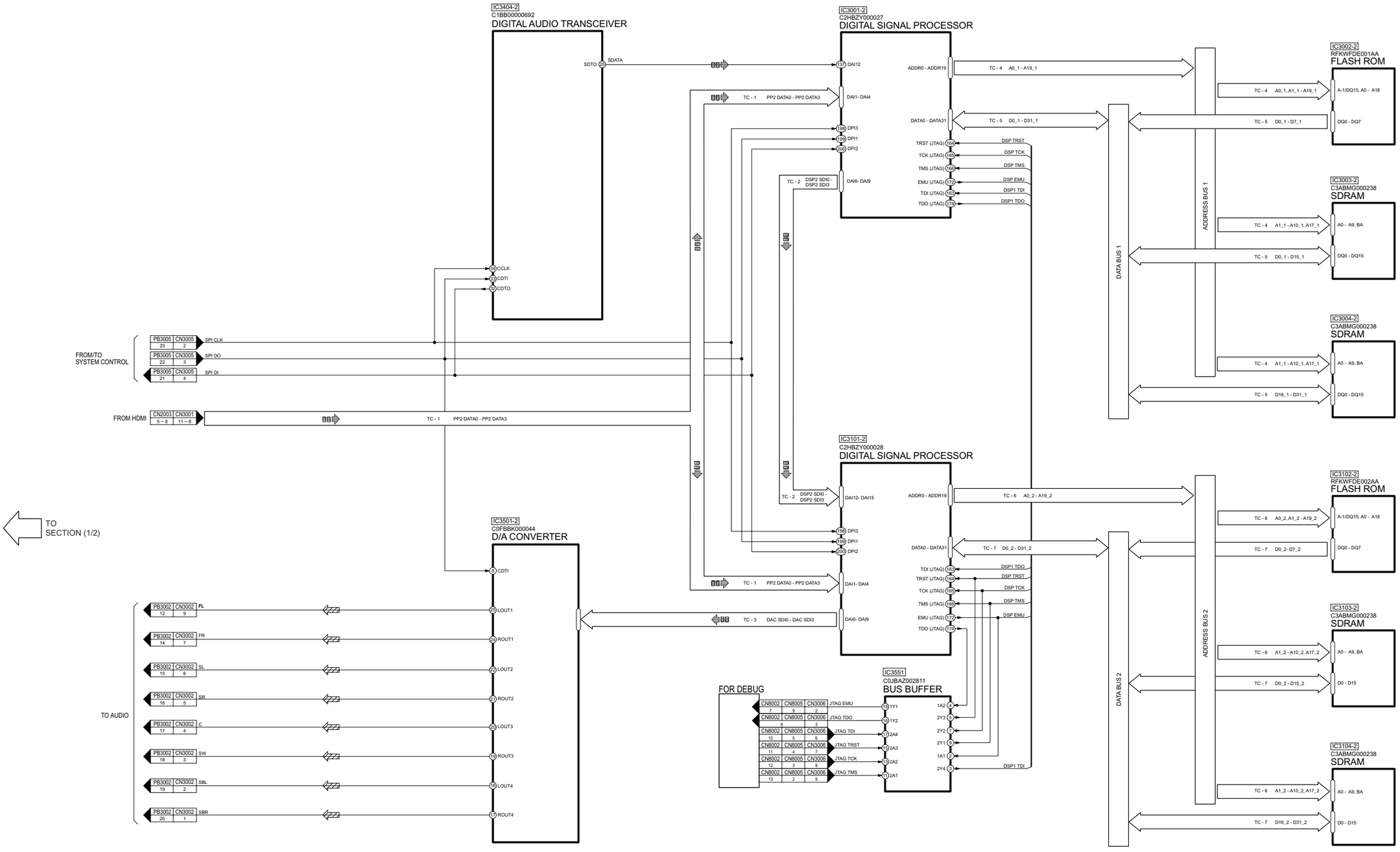
TC	IC2101 / HDMI TRANSMITTER		SIGNAL NAME	JK2201 / HDMI OUT	
	Port Name	Pin No		Pin No	Port Name
6	TX0-	33	TX0-	9	TMDS D0-
	TX0+	34	TX0+	7	TMDS D0+
	TX1-	36	TX1-	6	TMDS D1-
	TX1+	37	TX1+	4	TMDS D1+
	TX2-	39	TX2-	2	TMDS D2-
	TX2+	40	TX2+	1	TMDS D2+

11.4. DSP



SA-BX500PP DSP (SECTION 1/2) BLOCK DIAGRAM

: MAIN SIGNAL LINE : AUDIO SIGNAL LINE



SA-BX500PP DSP (SECTION 2/2) BLOCK DIAGRAM

11.5. IC Terminal (DSP) Chart

TC	1					
SIGNAL NAME	CN3001 / (FROM CN2003, HDMI)		IC3001 / DSP		IC3101 / DSP	
	Pin No	Port Name	Pin No	Port Name	Pin No	Port Name
PP2_DATA0	11	DO	178	DAI1	178	DAI1
PP2_DATA1	10	D1	176	DAI2	176	DAI2
PP2_DATA2	9	D2	177	DAI3	177	DAI3
PP2_DATA3	8	D3	175	DAI4	175	DAI4

TC	IC3001 / DSP		SIGNAL NAME	IC3101 / DSP	
	Port Name	Pin No		Pin No	Port Name
2	DAI6	147	DSP2_SDI0	137	DAI2
	DAI7	148	DSP2_SDI1	136	DAI3
	DAI8	145	DSP2_SDI2	135	DAI4
	DAI9	146	DSP2_SDI3	134	DAI5

TC	IC3101 / DSP		SIGNAL NAME	IC3501 / D/A CONVERTER	
	Port Name	Pin No		Pin No	Port Name
3	DAI6	147	DAC_SDI0	3	SDT1
	DAI7	148	DAC_SDI1	9	SDT2
	DAI8	145	DAC_SDI2	10	SDT3
	DAI9	146	DAC_SDI3	11	SDT4

TC	4							
SIGNAL NAME	IC3001 / DSP		IC3002 / FLASH ROM		IC3003 / SDRAM		IC3004 / SDRAM	
	Pin No	Port Name	Pin No	Port Name	Pin No	Port Name	Pin No	Port 005ame
A0_1	56	ADDR0	45	A-1/DQ15	-	-	-	-
A1_1	58	ADDR1	25	A0	21	A0	21	A0
A2_1	57	ADDR2	24	A1	22	A1	22	A1
A3_1	60	ADDR3	23	A2	23	A2	23	A2
A4_1	59	ADDR4	22	A3	24	A3	24	A3
A5_1	61	ADDR5	21	A4	27	A4	27	A4
A6_1	66	ADDR6	20	A5	28	A5	28	A5
A7_1	67	ADDR7	19	A6	29	A6	29	A6
A8_1	68	ADDR8	18	A7	30	A7	30	A7
A9_1	69	ADDR9	17	A8	31	A8	31	A8
A10_1	70	ADDR10	7	A9	32	A9	32	A9
A11_1	75	ADDR11	6	A10	-	-	-	-
A12_1	76	ADDR12	5	A11	-	-	-	-
A13_1	77	ADDR13	4	A12	-	-	-	-
A14_1	88	ADDR14	3	A13	-	-	-	-
A15_1	91	ADDR15	2	A14	-	-	-	-
A16_1	92	ADDR16	1	A15	-	-	-	-
A17_1	93	ADDR17	48	A16	19	BA	19	BA
A18_1	94	ADDR18	17	A17	-	-	-	-
A19_1	97	ADDR19	16	A18	-	-	-	-

TC	5							
SIGNAL NAME	IC3001 / DSP		IC3002 / FLASH ROM		IC3003 / SDRAM		IC3004 / SDRAM	
	Pin No	Port Name	Pin No	Port Name	Pin No	Port Name	Pin No	Port004Name
D0_1	48	DATA0	29	DQ0	2	DQ0	-	-
D1_1	49	DATA1	31	DQ1	3	DQ1	-	-
D2_1	46	DATA2	33	DQ2	5	DQ2	-	-
D3_1	47	DATA3	35	DQ3	6	DQ3	-	-
D4_1	44	DATA4	38	DQ4	8	DQ4	-	-
D5_1	45	DATA5	40	DQ5	9	DQ5	-	-
D6_1	40	DATA6	42	DQ6	11	DQ6	-	-
D7_1	39	DATA7	44	DQ7	12	DQ7	-	-
D8_1	38	DATA8	-	-	39	DQ8	-	-
D9_1	37	DATA9	-	-	40	DQ9	-	-
D10_1	36	DATA10	-	-	42	DQ10	-	-
D11_1	35	DATA11	-	-	43	DQ11	-	-
D12_1	30	DATA12	-	-	45	DQ12	-	-
D13_1	29	DATA13	-	-	46	DQ13	-	-
D14_1	28	DATA14	-	-	48	DQ14	-	-
D15_1	27	DATA15	-	-	49	DQ15	-	-
D16_1	26	DATA16	-	-	-	-	2	DQ0
D17_1	21	DATA17	-	-	-	-	3	DQ1
D18_1	18	DATA18	-	-	-	-	5	DQ2
D19_1	17	DATA19	-	-	-	-	6	DQ3
D20_1	14	DATA20	-	-	-	-	8	DQ4
D21_1	13	DATA21	-	-	-	-	9	DQ5
D22_1	12	DATA22	-	-	-	-	11	DQ6
D23_1	9	DATA23	-	-	-	-	12	DQ7
D24_1	8	DATA24	-	-	-	-	39	DQ8
D25_1	7	DATA25	-	-	-	-	40	DQ9
D26_1	6	DATA26	-	-	-	-	42	DQ10
D27_1	3	DATA27	-	-	-	-	43	DQ11
D28_1	2	DATA28	-	-	-	-	45	DQ12
D29_1	207	DATA29	-	-	-	-	46	DQ13
D30_1	205	DATA30	-	-	-	-	48	DQ14
D31_1	206	DATA31	-	-	-	-	49	DQ15

TO SECTION (2/2)

SA-BX500PP IC TERMINAL (DSP) (SECTION 1/2) CHART

TC	6							
SIGNAL NAME	IC3101 / DSP		IC3102 / FLASH ROM		IC3103 / SDRAM		IC3104 / SDRAM	
	Pin No	Port Name	Pin No	Port Name	Pin No	Port Name	Pin No	Port m4Name
A0_2	56	ADDR0	45	A-1/DQ15	-	-	-	-
A1_2	58	ADDR1	25	A0	21	A0	21	A0
A2_2	57	ADDR2	24	A1	22	A1	22	A1
A3_2	60	ADDR3	23	A2	23	A2	23	A2
A4_2	59	ADDR4	22	A3	24	A3	24	A3
A5_2	61	ADDR5	21	A4	27	A4	27	A4
A6_2	66	ADDR6	20	A5	28	A5	28	A5
A7_2	67	ADDR7	19	A6	29	A6	29	A6
A8_2	68	ADDR8	18	A7	30	A7	30	A7
A9_2	69	ADDR9	17	A8	31	A8	31	A8
A10_2	70	ADDR10	7	A9	32	A9	32	A9
A11_2	75	ADDR11	6	A10	-	-	-	-
A12_2	76	ADDR12	5	A11	-	-	-	-
A13_2	77	ADDR13	4	A12	-	-	-	-
A14_2	88	ADDR14	3	A13	-	-	-	-
A15_2	91	ADDR15	2	A14	-	-	-	-
A16_2	92	ADDR16	1	A15	-	-	-	-
A17_2	93	ADDR17	48	A16	19	BA	19	BA
A18_2	94	ADDR18	17	A17	-	-	-	-
A19_2	97	ADDR19	16	A18	-	-	-	-

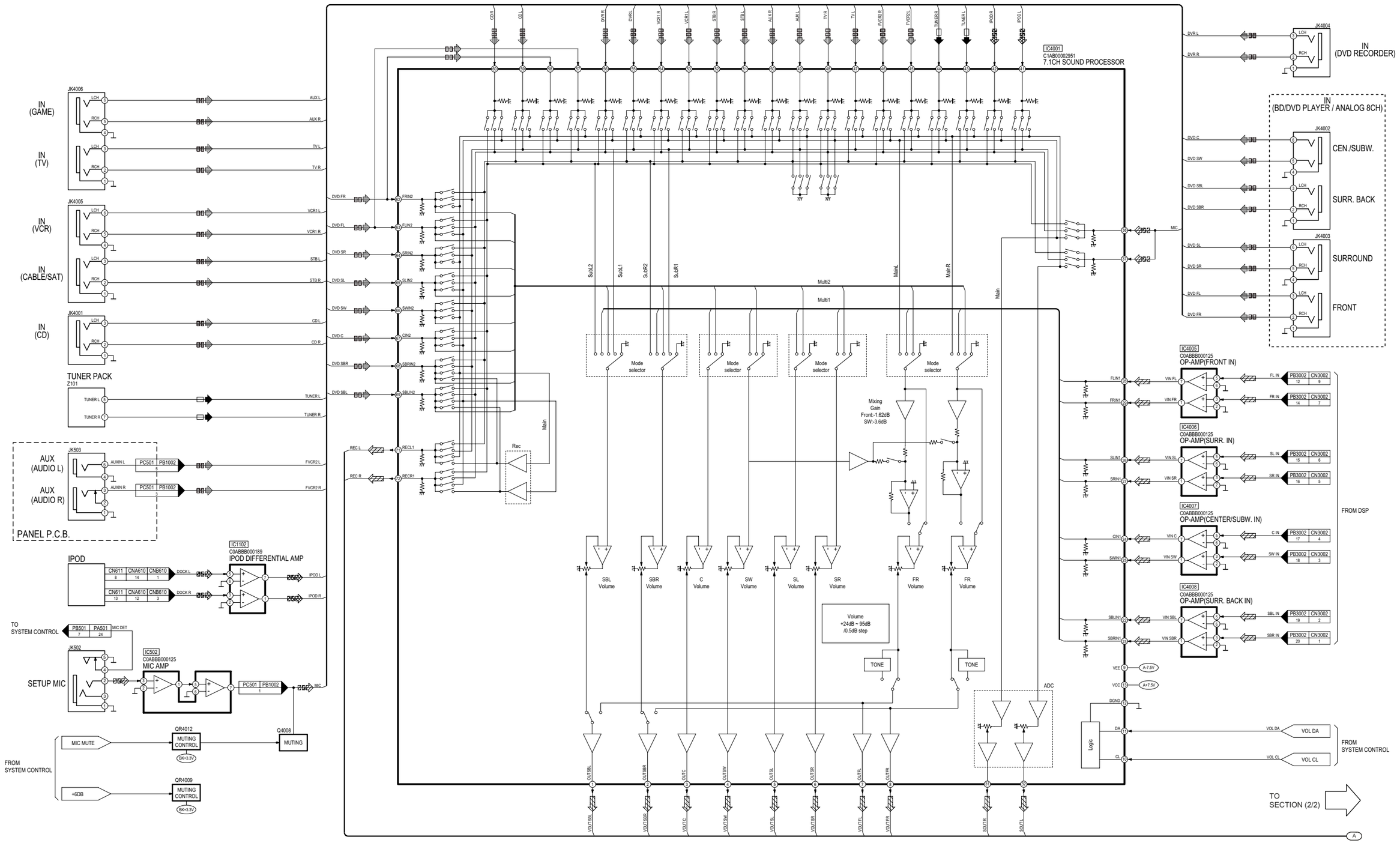
TO
SECTION (1/2)

TC	7							
SIGNAL NAME	IC3101 / DSP		IC3102 / FLASH ROM		IC3103 / SDRAM		IC3104 / SDRAM	
	Pin No	Port Name	Pin No	Port Name	Pin No	Port Name	Pin No	Port m4Name
D0_2	48	DATA0	29	DQ0	2	DQ0	-	-
D1_2	49	DATA1	31	DQ1	3	DQ1	-	-
D2_2	46	DATA2	33	DQ2	5	DQ2	-	-
D3_2	47	DATA3	35	DQ3	6	DQ3	-	-
D4_2	44	DATA4	38	DQ4	8	DQ4	-	-
D5_2	45	DATA5	40	DQ5	9	DQ5	-	-
D6_2	40	DATA6	42	DQ6	11	DQ6	-	-
D7_2	39	DATA7	44	DQ7	12	DQ7	-	-
D8_2	38	DATA8	-	-	39	DQ8	-	-
D9_2	37	DATA9	-	-	40	DQ9	-	-
D10_2	36	DATA10	-	-	42	DQ10	-	-
D11_2	35	DATA11	-	-	43	DQ11	-	-
D12_2	30	DATA12	-	-	45	DQ12	-	-
D13_2	29	DATA13	-	-	46	DQ13	-	-
D14_2	28	DATA14	-	-	48	DQ14	-	-
D15_2	27	DATA15	-	-	49	DQ15	-	-
D16_2	26	DATA16	-	-	-	-	2	DQ0
D17_2	21	DATA17	-	-	-	-	3	DQ1
D18_2	18	DATA18	-	-	-	-	5	DQ2
D19_2	17	DATA19	-	-	-	-	6	DQ3
D20_2	14	DATA20	-	-	-	-	8	DQ4
D21_2	13	DATA21	-	-	-	-	9	DQ5
D22_2	12	DATA22	-	-	-	-	11	DQ6
D23_2	9	DATA23	-	-	-	-	12	DQ7
D24_2	8	DATA24	-	-	-	-	39	DQ8
D25_2	7	DATA25	-	-	-	-	40	DQ9
D26_2	6	DATA26	-	-	-	-	42	DQ10
D27_2	3	DATA27	-	-	-	-	43	DQ11
D28_2	2	DATA28	-	-	-	-	45	DQ12
D29_2	207	DATA29	-	-	-	-	46	DQ13
D30_2	205	DATA30	-	-	-	-	48	DQ14
D31_2	206	DATA31	-	-	-	-	49	DQ15

SA-BX500PP IC TERMINAL (DSP) (SECTION 2/2) CHART

11.6. Audio

: MAIN SIGNAL LINE : IPOD AUDIO SIGNAL LINE : AM/FM SIGNAL LINE : MIC SIGNAL LINE : AUDIO SIGNAL LINE



SA-BX500PP AUDIO (SECTION 1/2) BLOCK DIAGRAM

: MAIN SIGNAL LINE : IPOD AUDIO SIGNAL LINE : AM/FM SIGNAL LINE : MIC SIGNAL LINE : AUDIO SIGNAL LINE

REC L
REC R
VOUT SBL
VOUT SBR
VOUT SL
VOUT SR
VOUT FL
VOUT FR
VOUT C
VOUT SW
SOUT L
SOUT R

IC4012 C0ABBB000125 OP-AMP(SURR. BACK OUT) — DAMP SBL, DAMP SBR
IC4305 C0ABBB000125 OP-AMP (WIRELESS SURR. BACK) — WL SBLOUT, WL SBROUT
IC4010 C0ABBB000125 OP-AMP(SURR. OUT) — DAMP SL, DAMP SR
IC4304 C0ABBB000125 OP-AMP(WIRELESS SURR.) — WL SLOUT, WL SROUT
IC4015 C0ABBB000125 OP-AMP (WIRELESS FRONT BUFFER) — VOUT FL.BUF, VOUT FR.BUF
IC4404 C0ABBB000125 OP-AMP (WIRELESS FRONT) — WLFLOUT, WL FROUT
IC4009 C0ABBB000125 OP-AMP(FRONT OUT) — DAMP FL, DAMP FR
IC4014 C0ABBB000125 OP-AMP (SUBW. OUT/CENTER BUFFER) — VOUT C.BUF, SUBW OUT
IC4301 C0AABB000085 HEADPHONE AMP — HPOUT L, HPOUT R
IC4303 C0ABBB000125 CLIP SENSING AMP — D4372, D4371
IC4011 C0ABBB000125 OP-AMP(CENTER OUT) — DAMP C
IC4261 C0ABBB000038 OP-AMP(SURR. OUT 2CH) — SOUT 2CHL, SOUT 2CHR

TO SECTION (1/2)

FROM SYSTEM CONTROL: SW MUT (SW MUT), ALL MUTE (ALL MUTE)

Q4001 MUTING
Q4012 MUTING
Q4305 MUTING
Q4010 MUTING
Q4304 MUTING
Q4404 MUTING
Q4009 MUTING
Q4301 MUTING
Q4302 MUTING
Q4014 MUTING
Q4011 MUTING

QR4013 MUTING CONTROL (BK×3.3V)
QR4011 MUTING CONTROL (BK×3.3V)
QR4010 MUTING CONTROL (BK×3.3V) H.MUTE
QR4304 MUTING CONTROL (BK×3.3V)
QR4305 MUTING CONTROL (BK×3.3V)
QR4306 MUTING CONTROL

QR4403 INVERTER
QR4402 INVERTER
QR4401 INVERTER

IC4405 C0JBAS000008 QUADRUPPLE ANALOG SWITCH
IN/OUT OUT/IN SWA
IN/OUT OUT/IN SWB
IN/OUT OUT/IN SWC
IN/OUT OUT/IN SWD
CONT.A
CONT.B
CONT.C
CONT.D
WL MR. SL
WL MR. SR

D4304
D4305
D4307
D4306

JK4004 OUT (DVD RECORDER) — LCH, RCH

DAMP SBL — CN8003 1 — CN5050 17
DAMP SBR — CN8003 11 — CN5050 7
TO DIGITAL AUDIO AMP (4CH)

DIGITAL TRANSMITTER
CH3 L OUT — PB8005 2 — CN6301 21 — CN6302 2
CH1 L OUT — PB8005 6 — CN6301 17 — CN6302 6
CH1 R OUT — PB8005 8 — CN6301 15 — CN6302 8
CH3 R OUT — PB8005 4 — CN6301 19 — CN6302 4

DAMP SL — CN8004 3 — CN5050 15
DAMP SR — CN8004 5 — CN5050 13
TO DIGITAL AUDIO AMP (3CH)

DIGITAL TRANSMITTER
CH2 L OUT — PB8005 10 — CN6301 13 — CN6302 10
CH2 R OUT — PB8005 12 — CN6301 11 — CN6302 12

WL SWITCH — FROM SYSTEM CONTROL

DAMP FL — CN8003 3 — CN5050 15
DAMP FR — CN8003 5 — CN5050 13
TO DIGITAL AUDIO AMP (4CH)

HP L — PB501 4 — PA501 27 — JWA502 — JWB502 1
HP R — PB501 6 — PA501 25 — JWA502 — JWB502 3
JK601 HEADPHONE — LCH, RCH

JK4007 SUBWOOFER OUT

CLIP DET — CLIP DET
WMUTE — WMUTE
FROM/TO SYSTEM CONTROL

DAMP C — CN8004 11 — CN5050 7
TO DIGITAL AUDIO AMP (3CH)

HPMUTE — HPMUTE
nHDMI MUTE — nHDMI MUTE
FROM SYSTEM CONTROL

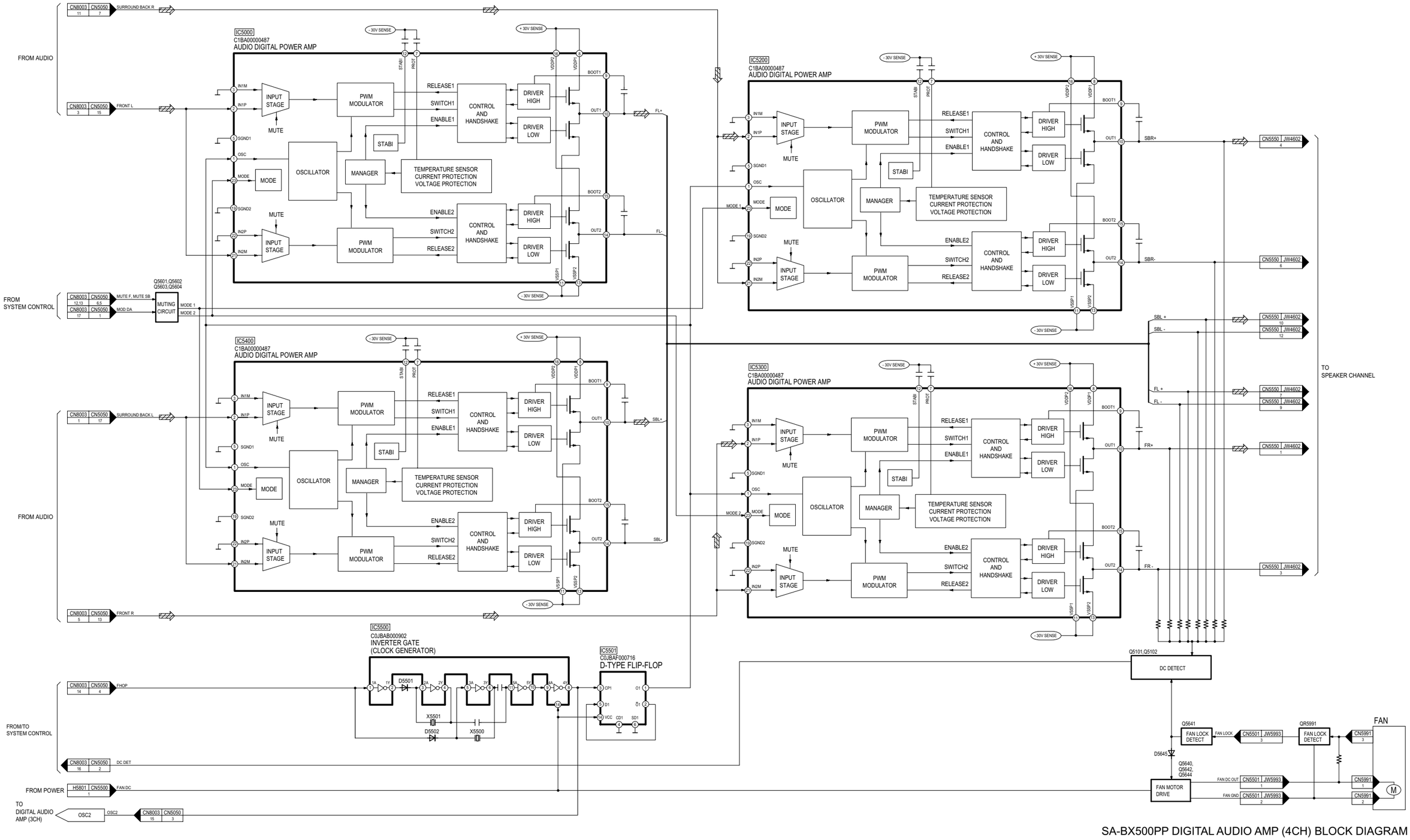
SOUT 2CHL — PB3002 7 — CN3002 14
SOUT 2CHR — PB3002 9 — CN3002 12
TO DSP

A

SA-BX500PP AUDIO (SECTION 2/2) BLOCK DIAGRAM

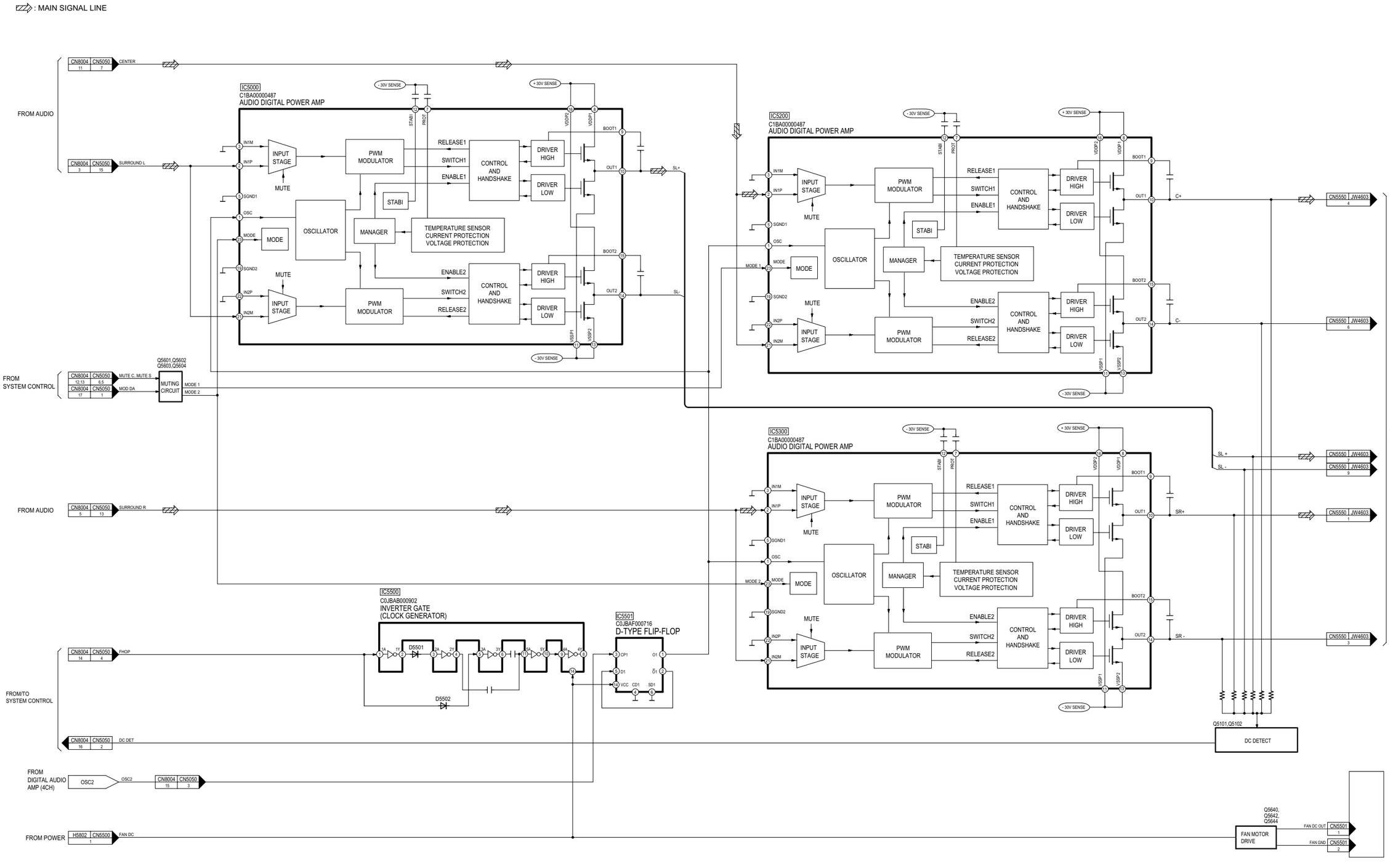
11.7. Digital Audio Amp (4CH)

: MAIN SIGNAL LINE



SA-BX500PP DIGITAL AUDIO AMP (4CH) BLOCK DIAGRAM

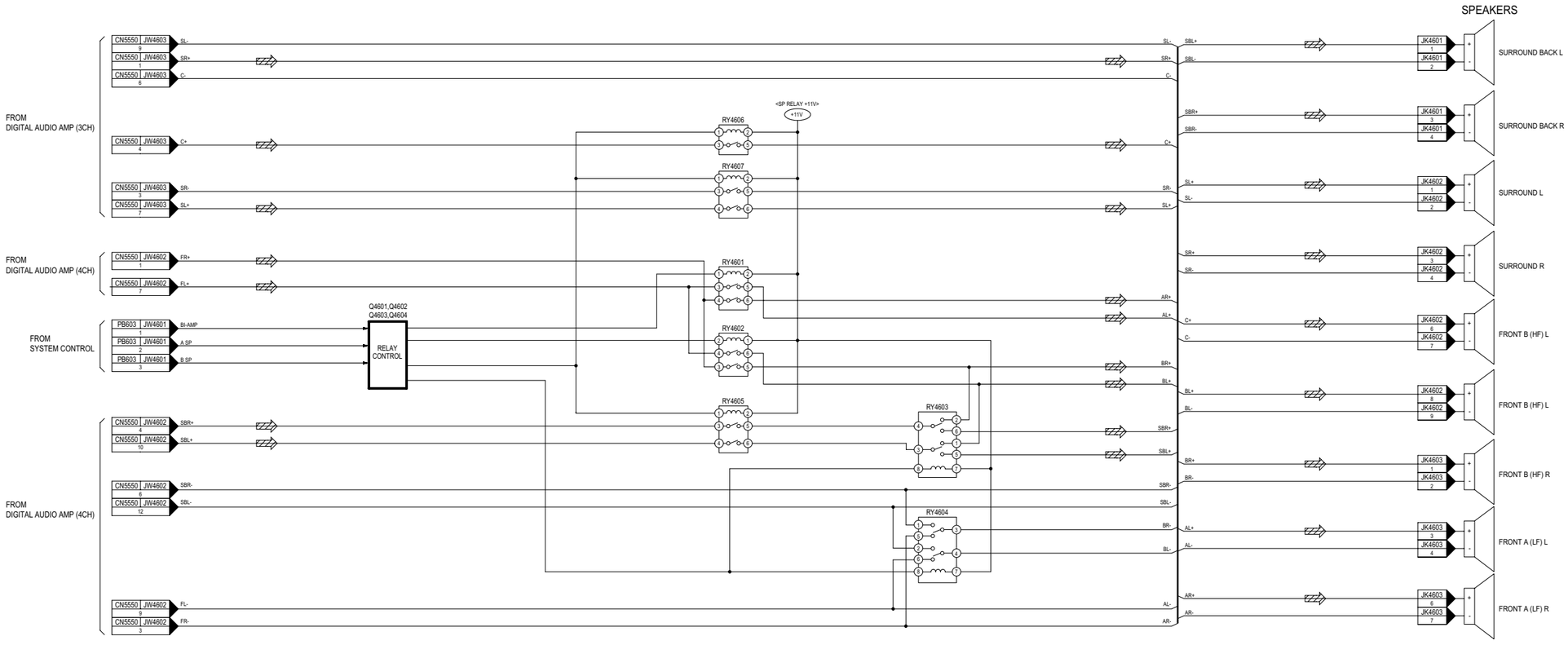
11.8. Digital Audio Amp (3CH)



SA-BX500PP DIGITAL AUDIO AMP (3CH) BLOCK DIAGRAM

11.9. Speaker Channel

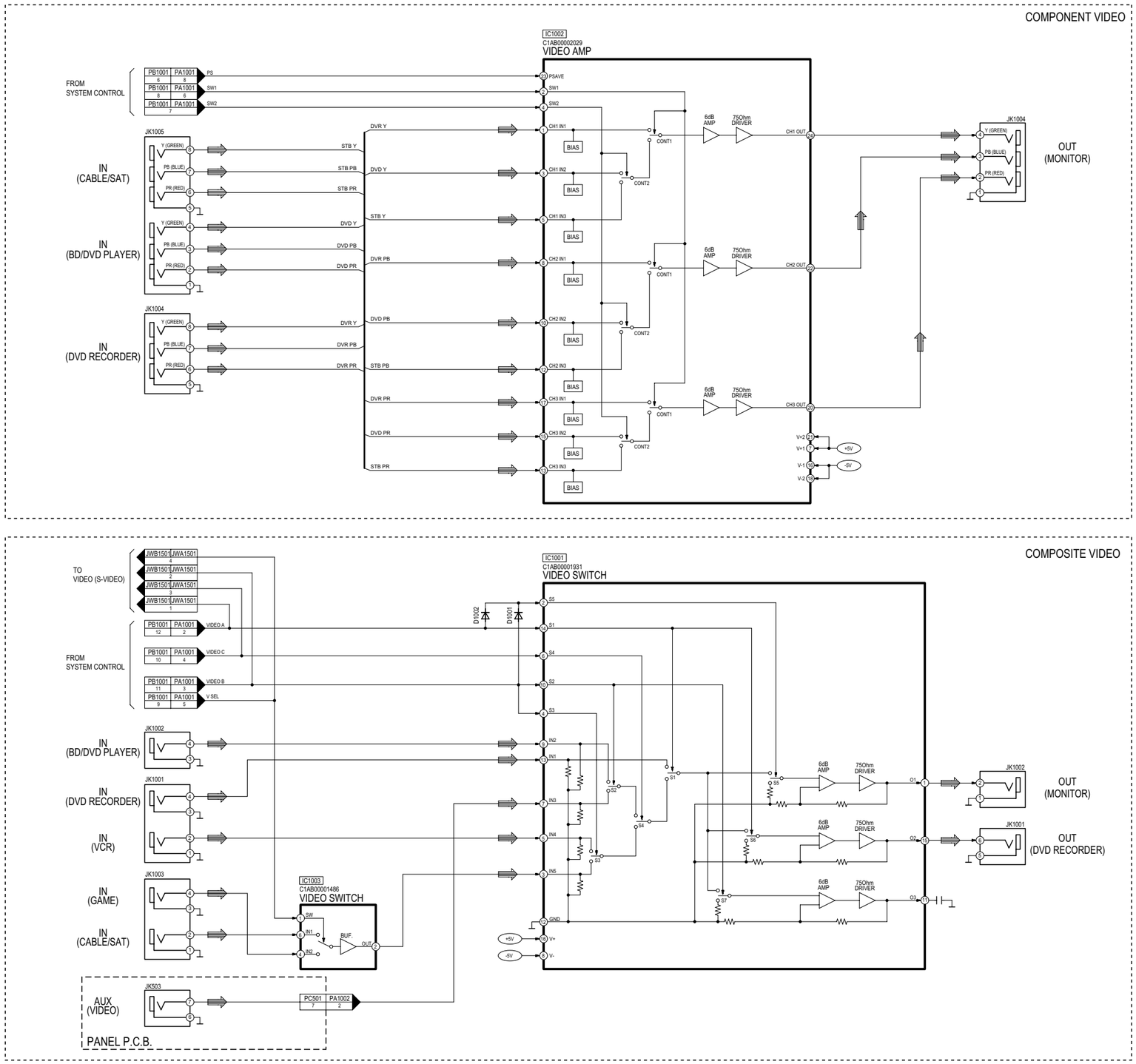
: MAIN SIGNAL LINE



SA-BX500PP SPEAKER CHANNEL BLOCK DIAGRAM

11.10. Video (component & composite video)

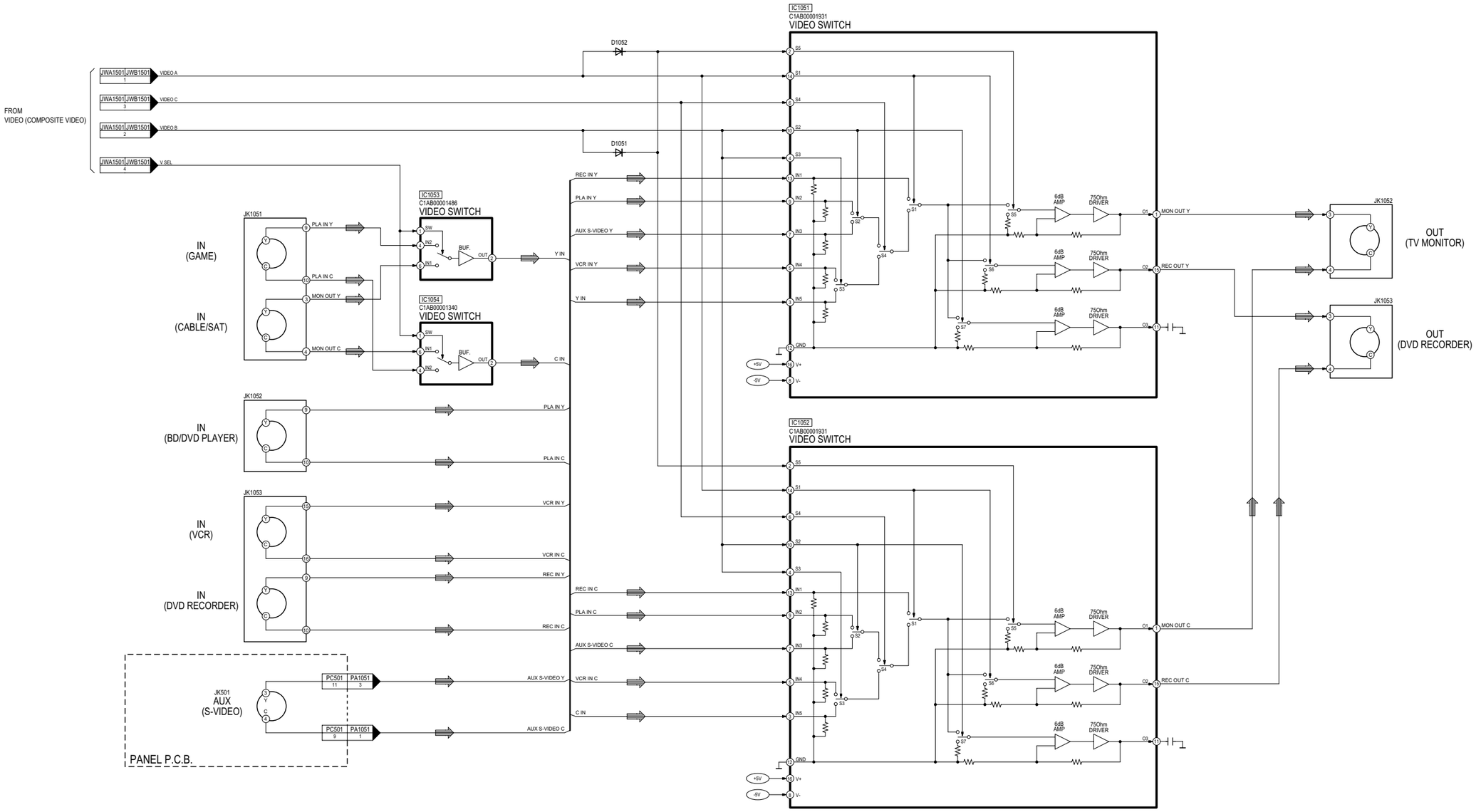
: VIDEO SIGNAL LINE



SA-BX500PP VIDEO (COMPONENT/COMPOSITE VIDEO) BLOCK DIAGRAM

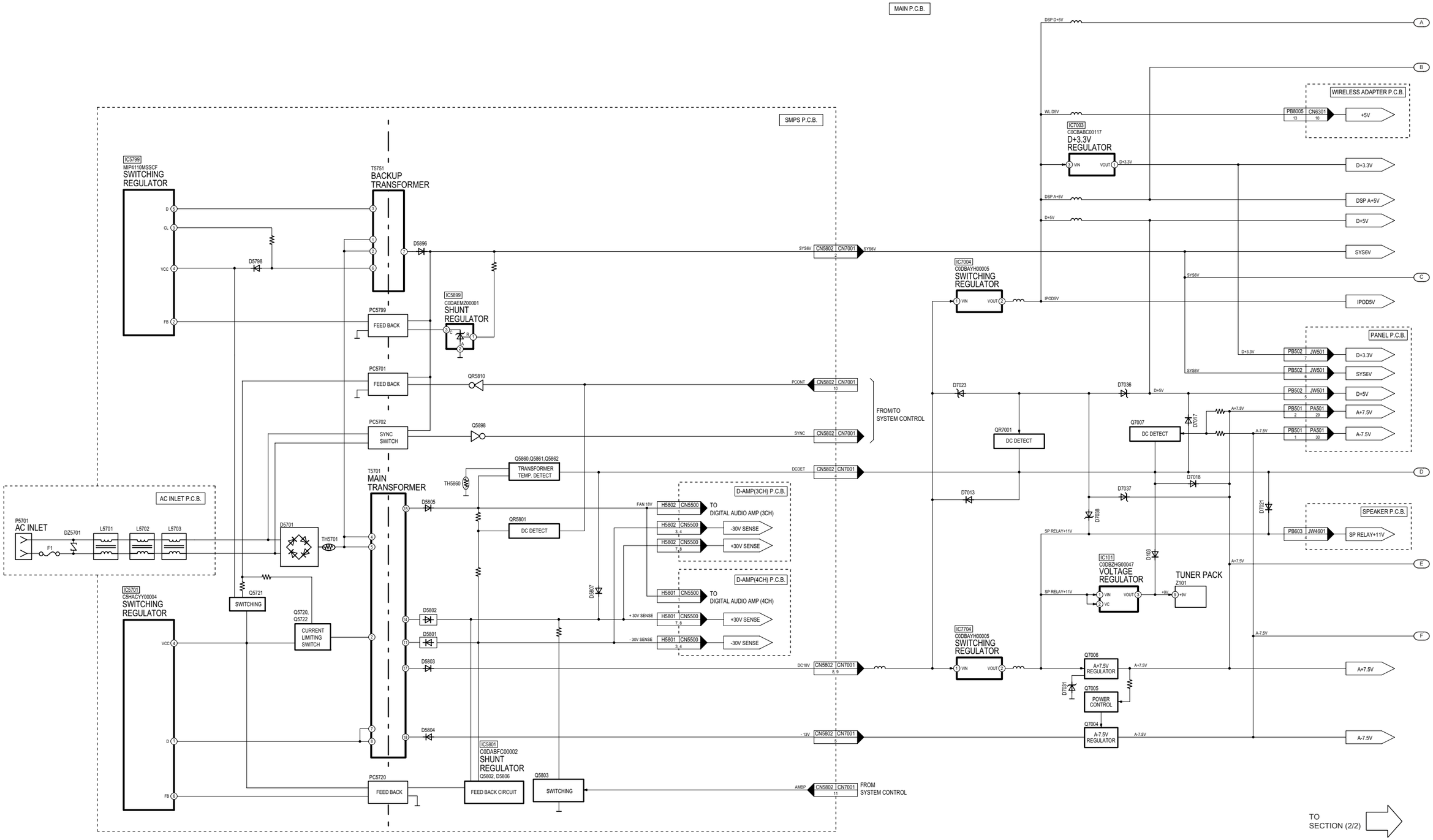
11.11. Video (S-video)

: VIDEO SIGNAL LINE

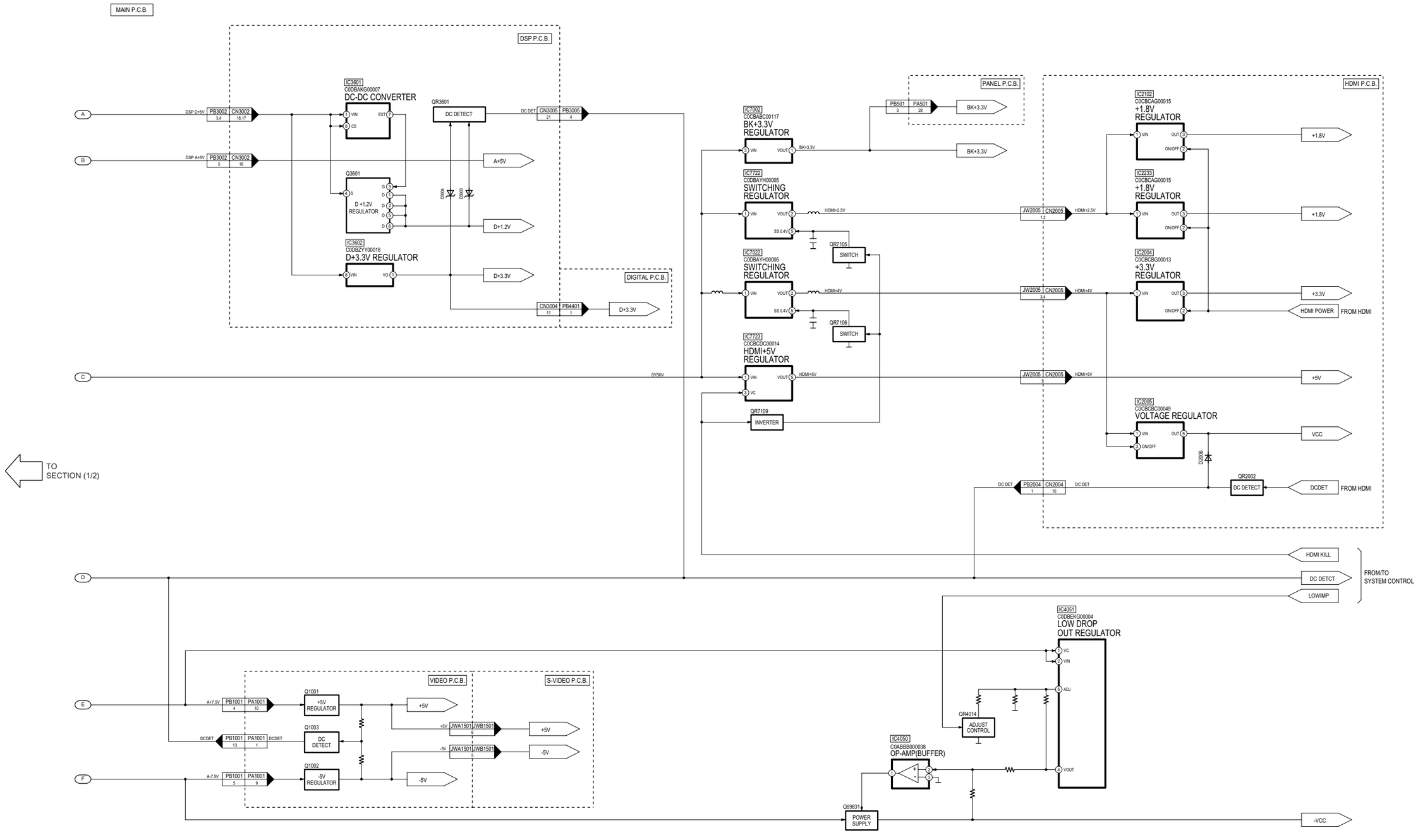


SA-BX500PP VIDEO (S-VIDEO) BLOCK DIAGRAM

11.12. Power



SA-BX500PP POWER (SECTION 1/2) BLOCK DIAGRAM



SA-BX500PP POWER (SECTION 2/2) BLOCK DIAGRAM

12 Schematic Diagram Notes

- **This schematic diagram may be modified at any time with the development of new technology.**

Notes:

S501:	Power switch (⏻/|).
S502:	Speaker A switch.
S503:	Surround switch.
S504:	Speaker B switch.
S621:	Return/ -Setup switch.
S622:	OK switch.
S623:	Tuner ∨ switch
S624:	Tuner ∧ switch
VR501:	Input Selector jog.
VR621:	Volume jog.

- Important safety notice:

  Components identified by ⚠ mark have special characteristics important for safety.

  Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.

  When replacing any of components, be sure to use only manufacturer´s specified parts shown in the parts list.

- In case of AC rated voltage Capacitor, the part no. and values will be indicated in the Schematic Diagram.

  AC rated voltage capacitor:

  C5700, C5701, C5702, C5703, C5704

- **Resistor**

  Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).

- **Capacitor**

  Unit of capacitance is µF, unless otherwise noted. F=Farad, pF=Pico-Farad

- **Coil**

  Unit of inductance is H, unless otherwise noted.

- *****

  For indication only.

- Voltage and signal line

  : +B signal line

  : -B signal line

  : Audio signal line

  : Video signal line

  : Main signal line

  : AM/FM signal line

  : Ipod Audio signal line

: Mic signal line

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE F1 8A 125V FUSE

RISK OF FIRE-REPLACE FUSE AS MARKED.

FUSE CAUTION

These symbols located near the fuse indicates that the fuse used is a fast operating type. For continued protection againts fire harzard, replace with the same type fuse. fro rating, refer to the marking adjacent to the symbol.

13 Schematic Diagram

13.1. HDMI Circuit

SCHEMATIC DIAGRAM - 1

A HDMI CIRCUIT

—— : +B SIGNAL LINE ▨ : MAIN SIGNAL LINE ▨ : VIDEO SIGNAL LINE ▨ : AUDIO SIGNAL LINE

JK2101 HDMI OUT

IC2101 C1AB00002975 HDMI TRANSMITTER

IC2102 C0CBCAG00015 +1.8V REGULATOR

RX2101 D1H83304A024

Q2101 B1ABCF000079 DIODE

Q2102 B1ABCF000079 SWITCHING

Q2103 B1ABCF000079 BUFFER

Q2104 B1ABCF000079 BUFFER

Q2105 B1ABCF000079 BUFFER

VA2101 - VA2108 EZAEG2A50AX

VA2110 - VA2113 EZJZ0V80008B

L2101 J0MAB0000225

L2102 J0MAB0000225

L2103 J0MAB0000225

L2104 J0MAB0000225

LB2101 J0JCC0000119

LB2102 J0JCC0000119

LB2103 J0JCC0000119

LB2104 J0JCC0000119

LB2105 - LB2108 J0JHC0000021

LB2109 J0JHC0000021

LB2110 J0JHC0000021

D2101 MA3120300L

TX_DDC_SDA

TX_DDC_SCL

TX_HPD

TX_INT

TX_RST

I2C_CK

I2C_DT

VCC

CEC_IN

CEC_OUT

CEC

BK5V

[26] AGND
[27] EXT_SWING

[50] CI2CA

[76] CVCC18

[100] GND
[99] CVCC18

P1

P2

P3

TO HDMI SECTION (2/4)

TO HDMI SECTION (3/4)

1/4	2/4
3/4	4/4

SA-BX500PP HDMI CIRCUIT

SCHEMATIC DIAGRAM - 2

A HDMI CIRCUIT

: +B SIGNAL LINE : MAIN SIGNAL LINE : VIDEO SIGNAL LINE : AUDIO SIGNAL LINE

TO B DSP CIRCUIT (CN3001) IN SCHEMATIC DIAGRAM - 7

CN2003 — MCLK_BACK, GND, DMIX_BACK, BCLK_BACK, LRCLK_BACK, IEC958, GND, I2S3, I2S2, I2S1, I2S0, LRCK, BCLK, GND, MCLK

IC2006 C0JBAZ001466 LOGIC (BUFFER)

IC2001 C0EBE0000338 RESET

IC2002 C2CBJH000147 MICRO-PROCESSOR

QR2002 B1GBCFJJ0007 DC DETECT

QR2001 B1GBCFJJ0007 INVERTER

IC2003 EEPROM (NOT SUPPLIED)

IC2004 C0CBCBG00013 +3.3V REGULATOR

IC2005 C0CBCBC00049 REGULATOR

CN2004 — GND, GND, CEC_LED, HDMI_LED, M_RST, S_CK, S_SI, H_SO, S_CS, H_REQ, MAIN_POWER, POWER_SENSE(3.3V), HDMI_MUTE, CEC_IN, CEC_OUT, DCDET

TO C MAIN(CPU) CIRCUIT (PB2004) IN SCHEMATIC DIAGRAM - 18

CN2001 — VCC, BUSY, SLCK, RXD, PIN46 (CE), PIN41 (EPM), GND, RESET, CNVSS, TXD — FOR ON BOARD PROGRAMMING

CN2002 — GND, N.C., +3.3V, N.C., IDROM_CK, N.C., IDROM_DT, N.C., N.C., N.C. — FOR EEPROM PROGRAMMING

CN2005 — BK 2.5V, BK 2.5V, BK 4V, BK 4V, BK 5V, GND, GND — TO C MAIN(CPU) CIRCUIT (JW2005*) IN SCHEMATIC DIAGRAM - 18

TO HDMI SECTION (1/4)

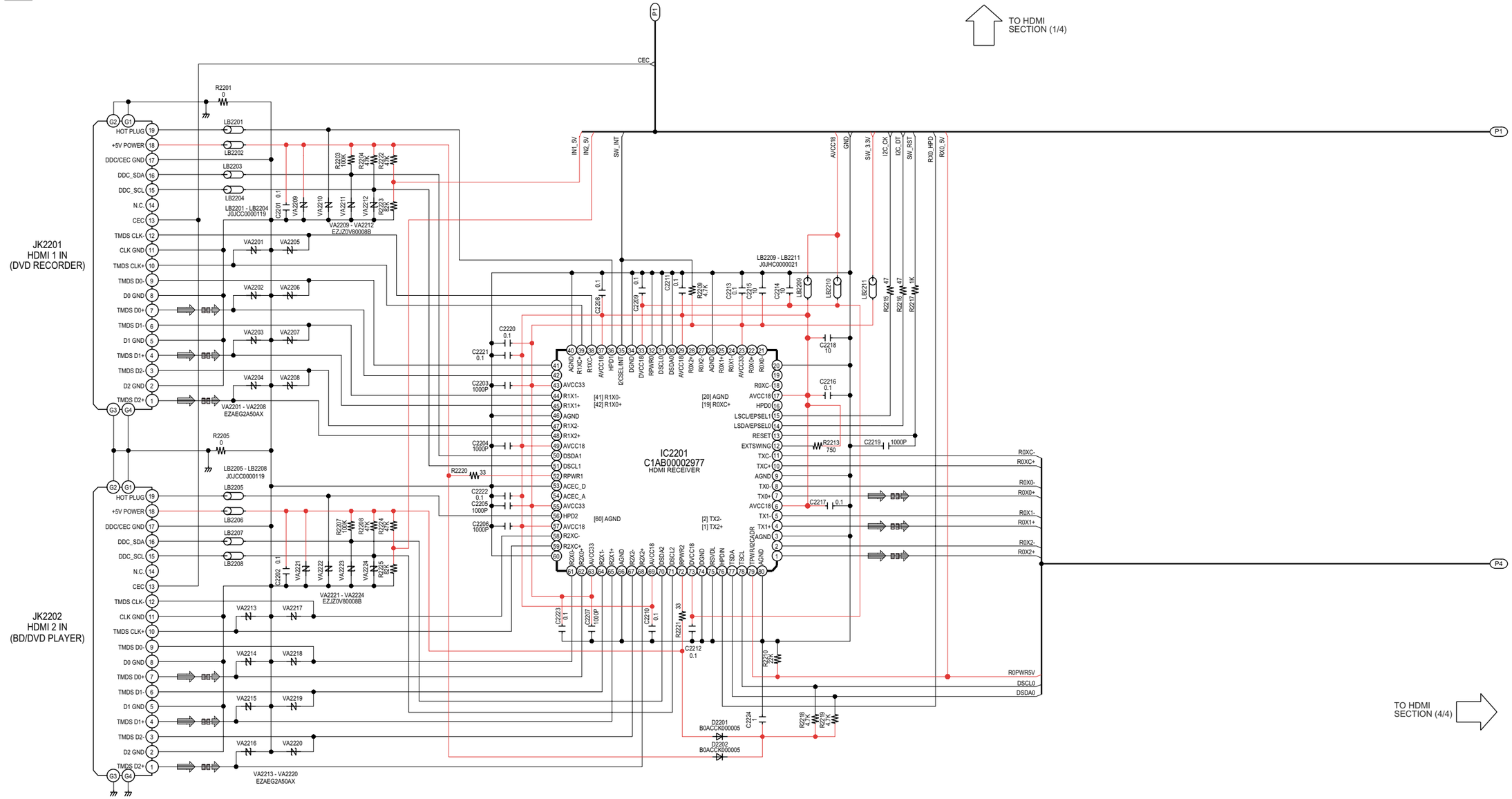
TO HDMI SECTION (4/4)

SA-BX500PP HDMI CIRCUIT

SCHEMATIC DIAGRAM - 3

A HDMI CIRCUIT

: +B SIGNAL LINE : MAIN SIGNAL LINE : VIDEO SIGNAL LINE : AUDIO SIGNAL LINE



SCHEMATIC DIAGRAM - 4

A HDMI CIRCUIT

: +B SIGNAL LINE : MAIN SIGNAL LINE : VIDEO SIGNAL LINE : AUDIO SIGNAL LINE

JK2203
HDMI 3 IN
(CABLE/SAT)

TO HDMI SECTION (2/4)

TO HDMI SECTION (3/4)

IC2232
C1AB00002989
HDMI RECEIVER

IC2233
C0CBCAG00015
+1.8V REGULATOR

IC2231
EEPROM
(NOT SUPPLIED)

Q2231 B1HBCFA00003 SWITCHING
Q2233 B1HBCFA00003 SWITCHING
Q2232 B1CFGD000002 LEVEL SHIFTER
Q2234 B1CFGD000002 LEVEL SHIFTER
Q2235 B1CFGD000002 LEVEL SHIFTER
Q2236 B1CFGD000002 LEVEL SHIFTER

QR2231 B1GBCFJJ0007 INVERTER
QR2232 B1GBCFJJ0007 INVERTER

LB2231 - LB2234 J0JCC0000119
VA2231 - VA2238 EZAEG2A50AX
VA2239 - VA2242 EZJZ0V80008B

SA-BX500PP
HDMI CIRCUIT

13.2. DSP Circuit

SCHEMATIC DIAGRAM - 5

B DSP CIRCUIT

—— : +B SIGNAL LINE ▨ : MAIN SIGNAL LINE ▨ : AUDIO SIGNAL LINE

IC3001
C2HBZY000027
DIGITAL SIGNAL PROCESSOR

TO DSP SECTION (4/6)

TO DSP SECTION (2/6)

1/6	2/6	3/6	
4/6	5/6	6/6	

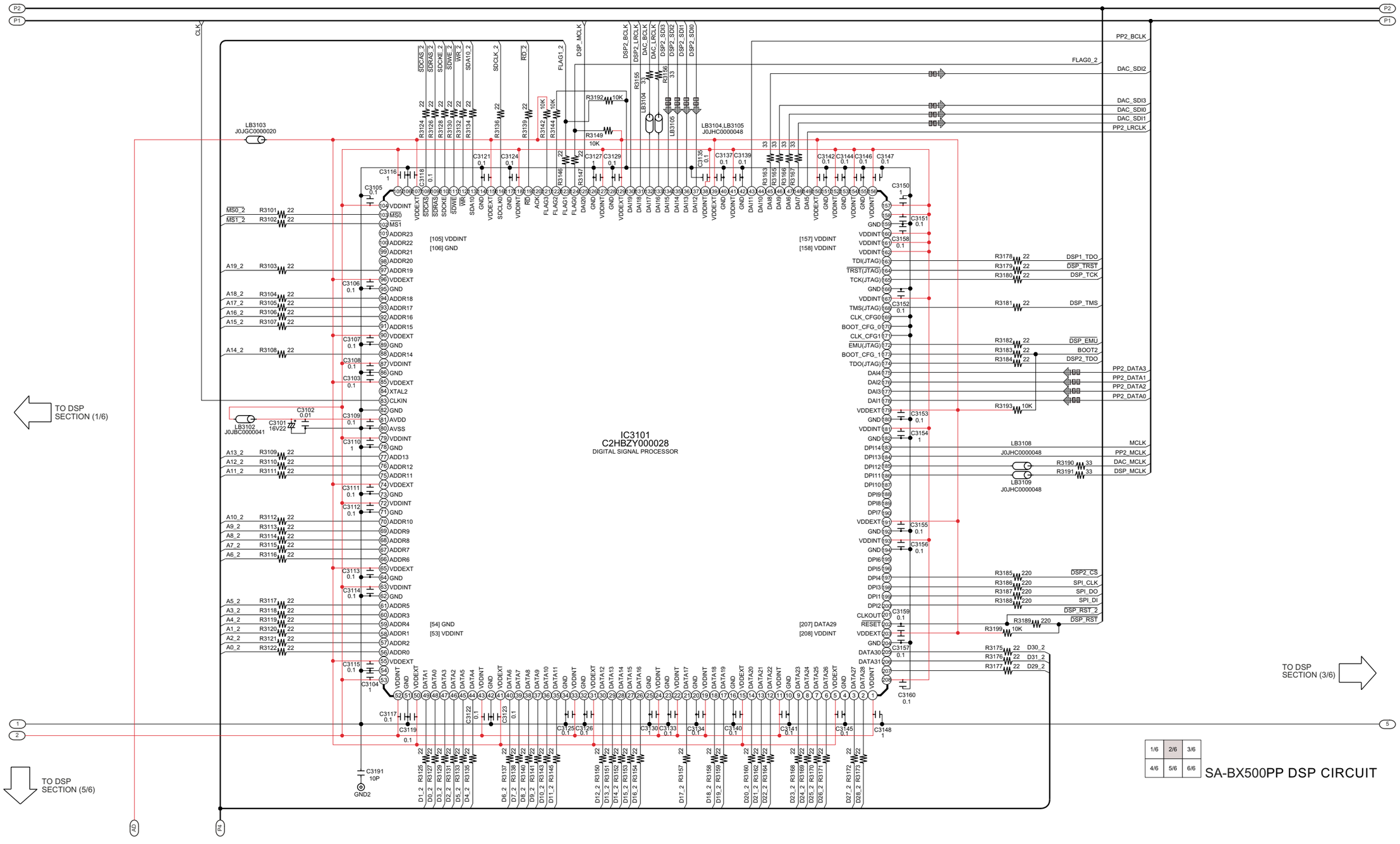
SA-BX500PP DSP CIRCUIT

15 16 17 18 19 20 21 22 23 24 25 26 27 28

SCHEMATIC DIAGRAM - 6

B DSP CIRCUIT

: +B SIGNAL LINE : MAIN SIGNAL LINE : AUDIO SIGNAL LINE



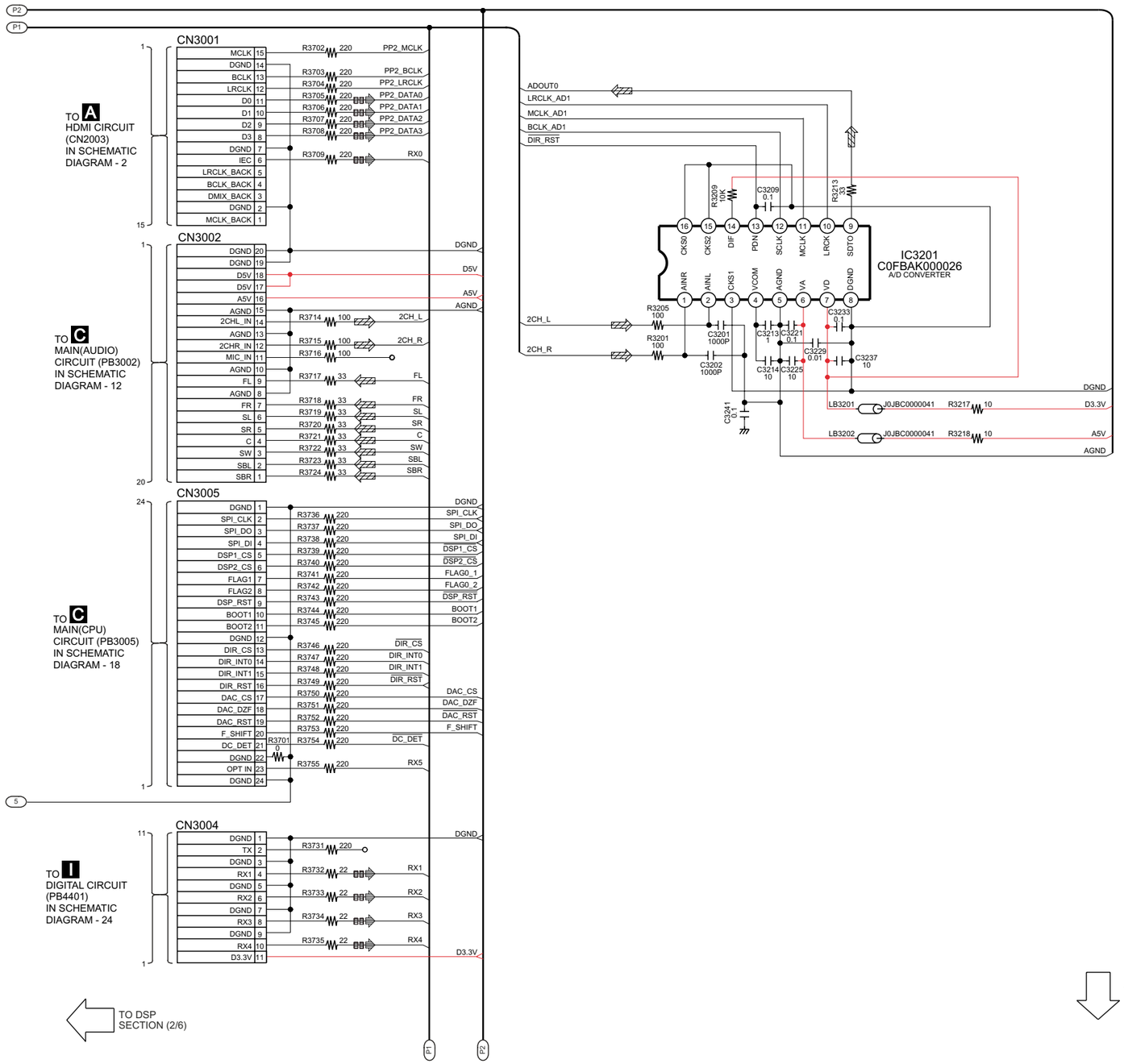
1/6	2/6	3/6
4/6	5/6	6/6

SA-BX500PP DSP CIRCUIT

SCHEMATIC DIAGRAM - 7

B DSP CIRCUIT

—— : +B SIGNAL LINE ▨▨▶ : MAIN SIGNAL LINE ▨▨▶ : AUDIO SIGNAL LINE



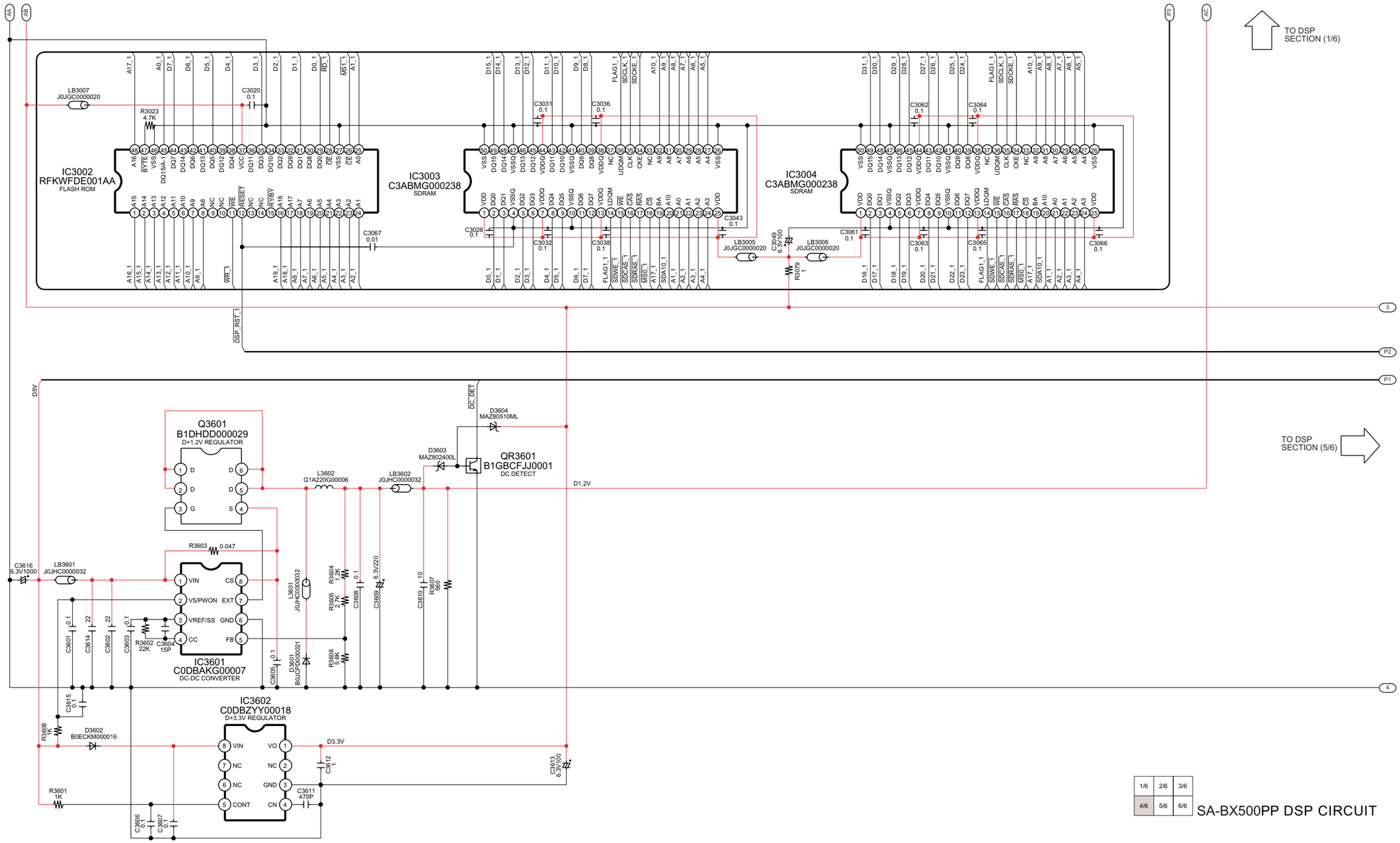
1/6	2/6	3/6
4/6	5/6	6/6

SA-BX500PP DSP CIRCUIT

SCHEMATIC DIAGRAM - 8

B DSP CIRCUIT

: +B SIGNAL LINE : MAIN SIGNAL LINE : AUDIO SIGNAL LINE



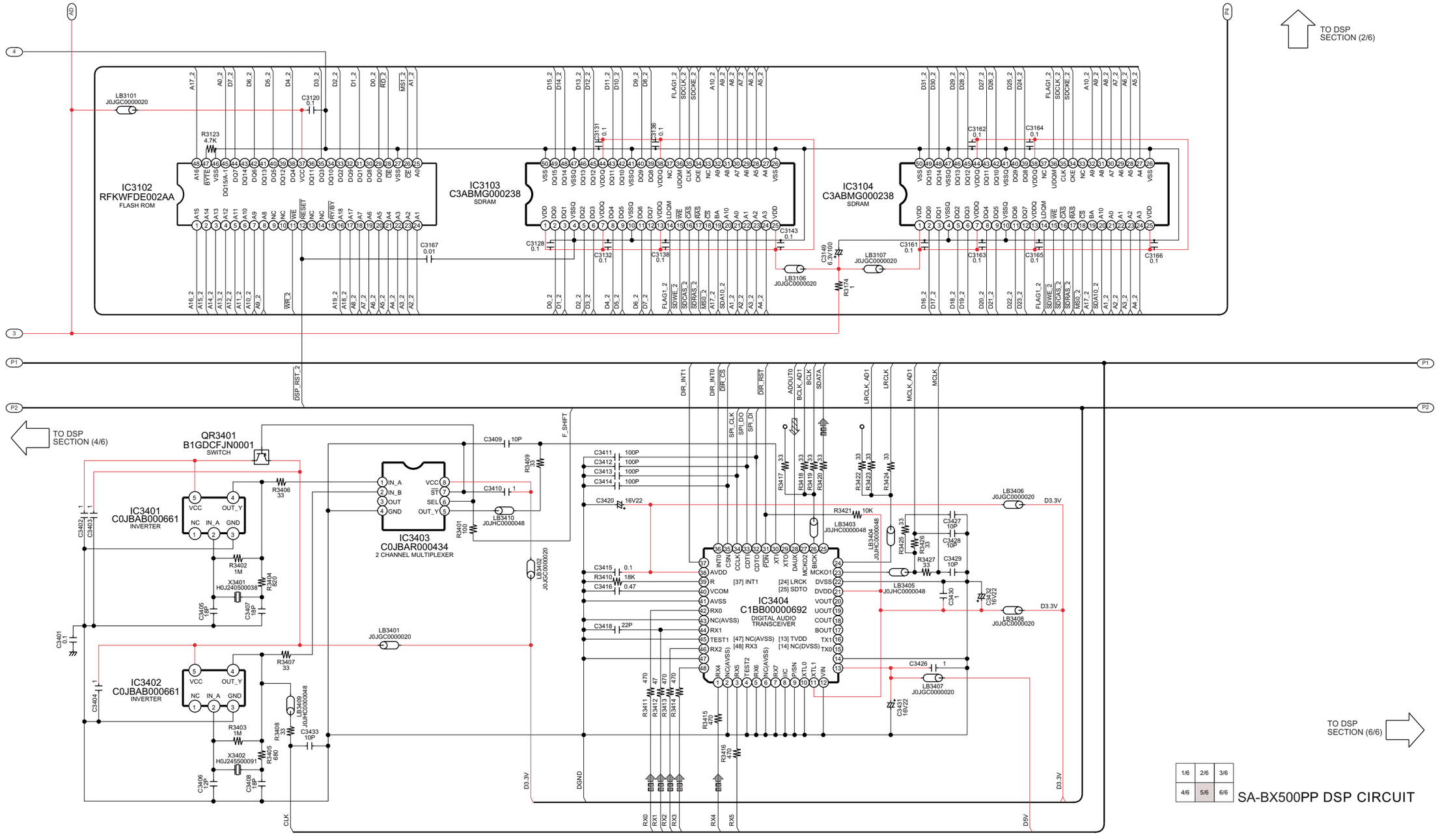
1/6	2/6	3/6
4/6	5/6	6/6

SA-BX500PP DSP CIRCUIT

SCHEMATIC DIAGRAM - 9

B DSP CIRCUIT

: +B SIGNAL LINE : MAIN SIGNAL LINE : AUDIO SIGNAL LINE



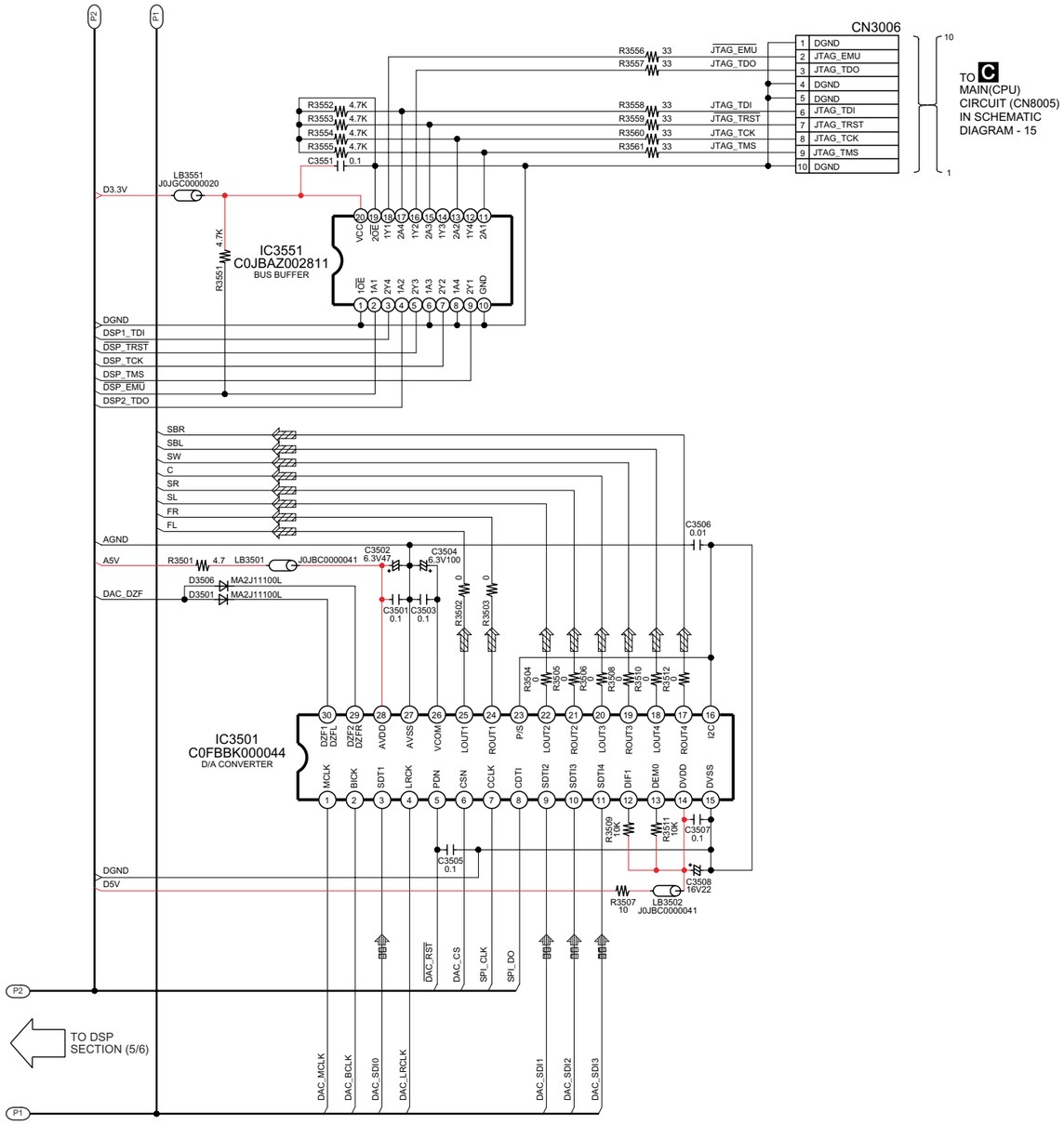
1/6	2/6	3/6
4/6	5/6	6/6

SA-BX500PP DSP CIRCUIT

SCHEMATIC DIAGRAM - 10

B DSP CIRCUIT

: +B SIGNAL LINE : MAIN SIGNAL LINE : AUDIO SIGNAL LINE

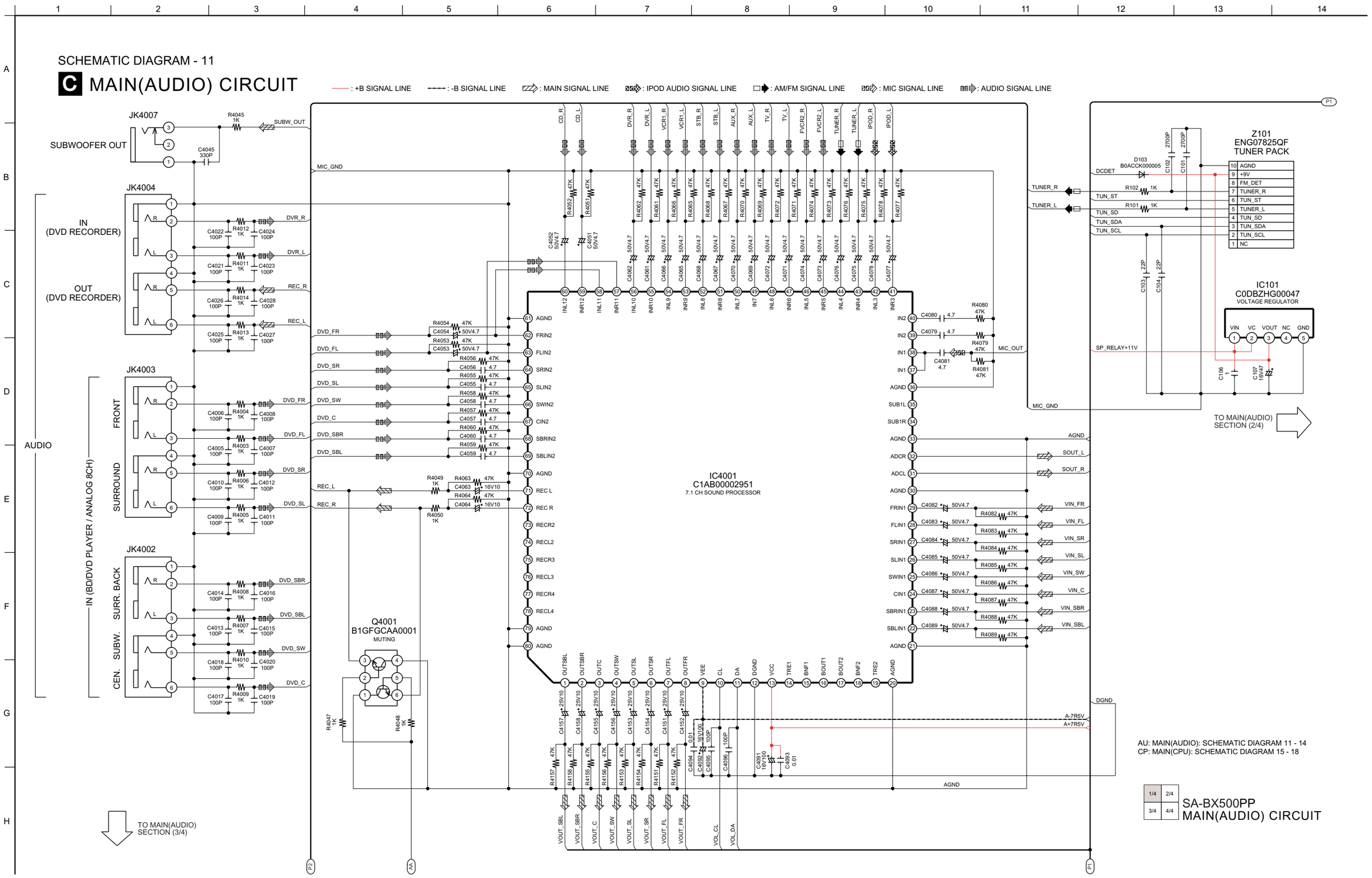


R3902 0

1/6	2/6	3/6
4/6	5/6	6/6

SA-BX500PP DSP CIRCUIT

13.3. Main Circuit



SCHEMATIC DIAGRAM - 12

C MAIN(AUDIO) CIRCUIT

: +B SIGNAL LINE : -B SIGNAL LINE : MAIN SIGNAL LINE : IPOD AUDIO SIGNAL LINE : AM/FM SIGNAL LINE : MIC SIGNAL LINE : AUDIO SIGNAL LINE

TO MAIN(AUDIO) SECTION (1/4)

IC4051
C0DBEKG00004
LOW DROP OUT REGULATOR

IC4050
C0ABBB000038
OP-AMP (BUFFER)

QR4014
B1GBCFJJ0007
ADJUST CONTROL

Q69831
2SB0621AHA
POWER SUPPLY

D4251
B0ACCK000005

AU: MAIN(AUDIO): SCHEMATIC DIAGRAM 11 - 14
CP: MAIN(CPU): SCHEMATIC DIAGRAM 15 - 18

IC4005
C0ABBB000125
OP-AMP (FRONT IN)

IC4006
C0ABBB000125
OP-AMP (SURROUND IN)

IC4007
C0ABBB000125
OP-AMP (SUBWOOFER/ CENTER IN)

IC4008
C0ABBB000125
OP-AMP (SURROUND BACK IN)

IC4261
C0ABBB000038
OP-AMP (SURROUND OUT 2CH)

PB3002

1	DGND
2	DGND
3	D+5V
4	D+5V
5	A+5V
6	AGND
7	2CHL_OUT
8	AGND
9	2CHR_OUT
10	MIC_OUT
11	AGND
12	FL_IN
13	AGND
14	FR_IN
15	SL_IN
16	SR_IN
17	C_IN
18	SW_IN
19	SBL_IN
20	SBR_IN

TO B DSP CIRCUIT (CN3002) IN SCHEMATIC DIAGRAM - 7

TO MAIN(AUDIO) SECTION (4/4)

1/4	2/4
3/4	4/4

SA-BX500PP
MAIN(AUDIO) CIRCUIT

SCHEMATIC DIAGRAM - 13

C MAIN(AUDIO) CIRCUIT

: +B SIGNAL LINE : -B SIGNAL LINE : MAIN SIGNAL LINE : IPOD AUDIO SIGNAL LINE : AM/FM SIGNAL LINE : MIC SIGNAL LINE : AUDIO SIGNAL LINE

TO MAIN(AUDIO) SECTION (1/4)

AU: MAIN(AUDIO): SCHEMATIC DIAGRAM 11 - 14
CP: MAIN(CPU): SCHEMATIC DIAGRAM 15 - 18

JK4006 IN (TV) / IN (GAME)
JK4005 IN (CABLE/SAT) / IN (VCR)
JK4001 IN (CD)
IPOD_L, IPOD_R

TO E PANEL CIRCUIT (PC501*) IN SCHEMATIC DIAGRAM - 19
PB1002: MIC_OUT 1, MIC_GND 2, FVCR2IN_R 3, AGND 4, FVCR2IN_L 5

Q4008 B1GFGCAA0001 MUTING
QR4010 B1GDCFJJ0008 MUTING CONTROL
QR4011 B1GDCFJJ0008 MUTING CONTROL
QR4009 B1GDCFJJ0008 MUTING CONTROL
QR4012 B1GDCFJJ0008 MUTING CONTROL
QR4013 B1GDCFJJ0008 MUTING CONTROL

IC4009 C0ABBB000125 OP-AMP (FRONT OUT)
Q4009 B1GFGCAA0001 MUTING
IC4010 C0ABBB000125 OP-AMP (SURROUND OUT)
Q4010 B1GFGCAA0001 MUTING

D4001 B0ACCK000005

TO MAIN(AUDIO) SECTION (4/4)

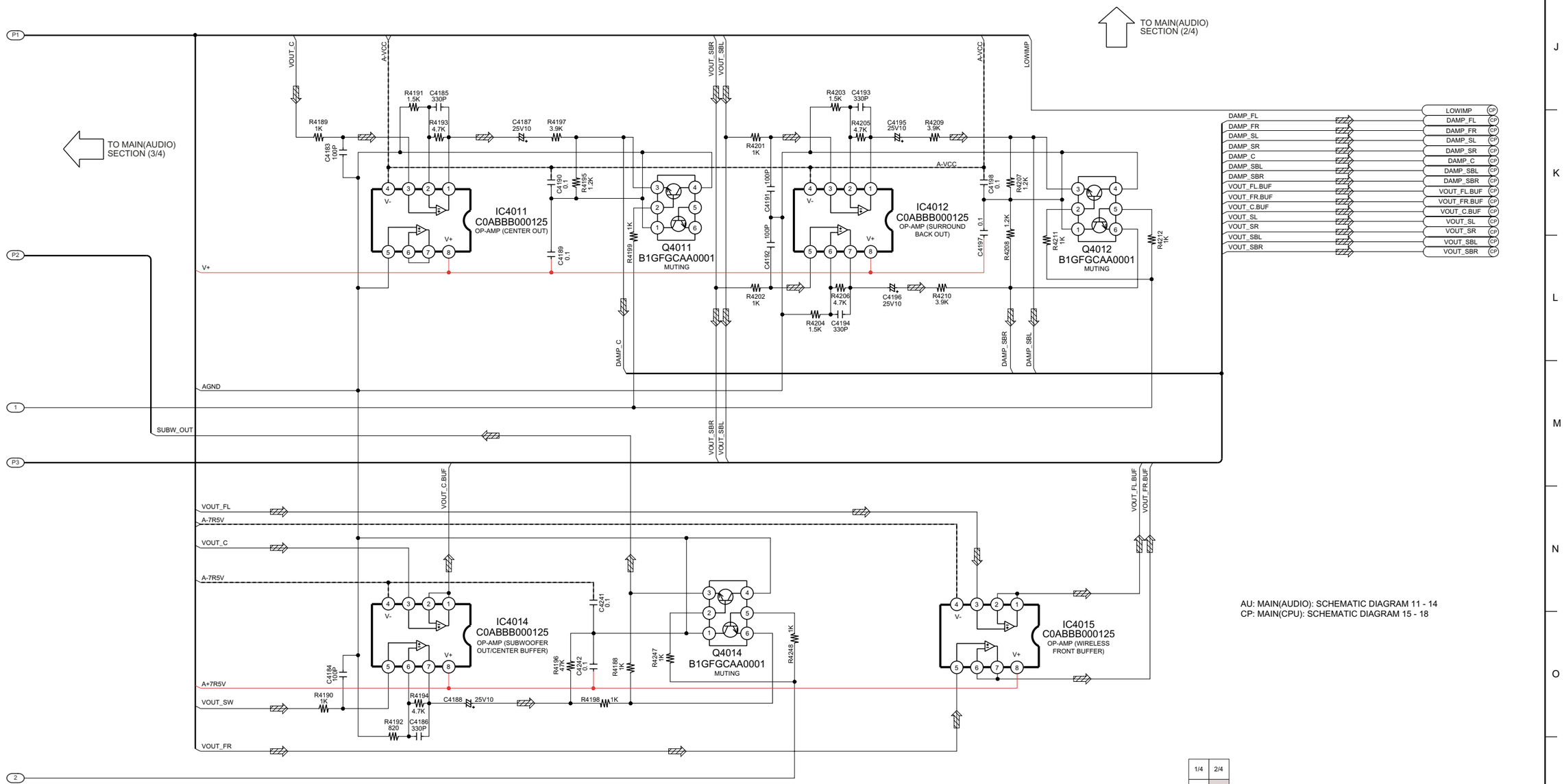
1/4	2/4
3/4	4/4

SA-BX500PP MAIN(AUDIO) CIRCUIT

SCHEMATIC DIAGRAM - 14

C MAIN(AUDIO) CIRCUIT

: +B SIGNAL LINE : -B SIGNAL LINE : MAIN SIGNAL LINE : IPOD AUDIO SIGNAL LINE : AM/FM SIGNAL LINE : MIC SIGNAL LINE : AUDIO SIGNAL LINE



AU: MAIN(AUDIO): SCHEMATIC DIAGRAM 11 - 14
CP: MAIN(CPU): SCHEMATIC DIAGRAM 15 - 18

1/4	2/4
3/4	4/4

SA-BX500PP MAIN(AUDIO) CIRCUIT

I J K L M N O P

15 16 17 18 19 20 21 22 23 24 25 26 27 28

SCHEMATIC DIAGRAM - 15

C MAIN(CPU) CIRCUIT

: +B SIGNAL LINE : -B SIGNAL LINE : MAIN SIGNAL LINE : IPOD AUDIO SIGNAL LINE

AU: MAIN(AUDIO): SCHEMATIC DIAGRAM 11 - 14
CP: MAIN(CPU): SCHEMATIC DIAGRAM 15 - 18

TO MAIN(CPU) SECTION (2/4)

TO O D-AMP B(3CH) CIRCUIT (CN5050) IN SCHEMATIC DIAGRAM - 28

TO N D-AMP A(4CH) CIRCUIT (CN5050) IN SCHEMATIC DIAGRAM - 26

TO B DSP CIRCUIT (CN3006) IN SCHEMATIC DIAGRAM - 10

FOR DEBUG

IC8001 RFKWBX500EBK MICRO-PROCESSOR

IC8002 C0EBE0000242 SYSTEM RESET

IC8003 EEPROM (NOT SUPPLIED)

IC8004 C0JBAZ002843 24BIT SERIAL PARALLEL CONVERTER

QR8011 B1GDCFGG0005 INVERTER

QR8012 B1GDCFGG0005 INVERTER

QR8017 B1GBCFJJ0007 INVERTER

TO MAIN(CPU) SECTION (3/4)

1/4	2/4
3/4	4/4

SA-BX500PP MAIN(CPU) CIRCUIT

SCHEMATIC DIAGRAM - 16

C MAIN(CPU) CIRCUIT

: +B SIGNAL LINE : -B SIGNAL LINE : MAIN SIGNAL LINE : IPOD AUDIO SIGNAL LINE

TO MAIN(CPU) SECTION (1/4)

IC4303 C0ABBB000125 CLIP SENSING AMP

IC7002 C0CBABC00117 BK+3.3V REGULATOR

IC7723 C0CBCDC00014 HDMI+5V REGULATOR

IC7722 C0DBAYH00005 SWITCHING REGULATOR

IC7022 C0DBAYH00005 SWITCHING REGULATOR

QR7109 B1GBCFNN0009 INVERTER

QR7105 B1GBCFNN0009 SWITCH

QR7106 B1GBCFNN0009 SWITCH

IC1102 C0AABBB000189 IPOD DIFFERENTIAL AMP

IC4301 C0AABB000085 HEADPHONE AMP

Q4301 B1GFGCAA0001 MUTING

Q4302 B1GFGCAA0001 MUTING

Q1102 B1ADCF000001 IPOD OUT DRIVE

Q1103 B1ADCF000001 IPOD IN DRIVE

QR1101 B1GBCFJJ0007 IPOD OUT CONTROL

QR1102 B1GBCFJJ0007 IPOD IN CONTROL

IC1001 C0DBZYE00002 USB HIGH SPEED SWITCH

CNB610

TO D D-PORT CIRCUIT (CNA610) IN SCHEMATIC DIAGRAM - 24

TO MAIN(CPU) SECTION (4/4)

AU: MAIN(AUDIO): SCHEMATIC DIAGRAM 11 - 14
CP: MAIN(CPU): SCHEMATIC DIAGRAM 15 - 18

1/4	2/4
3/4	4/4

SA-BX500PP MAIN(CPU) CIRCUIT

SCHEMATIC DIAGRAM - 17

C MAIN(CPU) CIRCUIT

: +B SIGNAL LINE : -B SIGNAL LINE : MAIN SIGNAL LINE : IPOD AUDIO SIGNAL LINE

TO MAIN(CPU) SECTION (1/4)

AU: MAIN(AUDIO): SCHEMATIC DIAGRAM 11 - 14
CP: MAIN(CPU): SCHEMATIC DIAGRAM 15 - 18

TO MAIN(CPU) SECTION (4/4)

IC4305 C0ABBB000125 OP-AMP (WIRELESS SURROUND BACK)

IC4304 C0ABBB000125 OP-AMP (WIRELESS SURROUND)

IC4404 C0ABBB000125 OP-AMP (WIRELESS FRONT)

IC4405 C0JBAS000008 QUADRUPPLE ANALOG SWITCH

Q4305 B1GFGCAA0001 MUTING

Q4304 B1GFGCAA0001 MUTING

Q4404 B1GFGCAA0001 MUTING

QR4304 B1GDCFJJ0008 MUTING CONTROL

QR4305 B1GDCFJJ0008 MUTING CONTROL

QR4306 B1GBCFJJ0007 MUTING CONTROL

QR4401 B1GBCFNN0009 INVERTER

QR4403 B1GBCFNN0009 INVERTER

QR4402 B1GDCFNN0007 INVERTER

PB8005

TO L WIRELESS ADAPTER CIRCUIT (CN6301) IN SCHEMATIC DIAGRAM - 24

1/4	2/4
3/4	4/4

SA-BX500PP MAIN(CPU) CIRCUIT

SCHEMATIC DIAGRAM - 18

C MAIN(CPU) CIRCUIT

: +B SIGNAL LINE : -B SIGNAL LINE : MAIN SIGNAL LINE : IPOD AUDIO SIGNAL LINE

AU: MAIN(AUDIO): SCHEMATIC DIAGRAM 11 - 14
CP: MAIN(CPU): SCHEMATIC DIAGRAM 15 - 18

TO MAIN(CPU) SECTION (2/4)

TO MAIN(CPU) SECTION (3/4)

TO B DSP CIRCUIT (CN3005) IN SCHEMATIC DIAGRAM - 7

TO E PANEL CIRCUIT (JW501*) IN SCHEMATIC DIAGRAM - 20

TO E PANEL CIRCUIT (PA501) IN SCHEMATIC DIAGRAM - 20

TO H SPEAKER CIRCUIT (JW4601*) IN SCHEMATIC DIAGRAM - 22

TO A HDMI CIRCUIT (CN2005) IN SCHEMATIC DIAGRAM - 2

TO A HDMI CIRCUIT (CN2004) IN SCHEMATIC DIAGRAM - 2

TO P SMPS CIRCUIT (CN5802) IN SCHEMATIC DIAGRAM - 29

TO J VIDEO CIRCUIT (PA1001) IN SCHEMATIC DIAGRAM - 23

PB3005: DGND 24, SCDCLK(DSP/DIR) 23, SCIN(DSP) 22, SDOUT(DSP/DIR) 21, DSP1_CS 20, DSP2_CS 19, FLAG1 18, FLAG2 17, DSP_RST 16, DSP1_BOOT 15, DSP2_BOOT 14, DGND 13, DIR_CS 12, DIR_INT0 11, DIR_INT1 10, DIR_RST 9, DAC_CS 8, DAC_DZF 7, DAC_RST 6, FSHIFT 5, DCDET 4, DGND 3, OPTIN0 2, DGND 1

PB502: FL GND 1, FL -VP 2, FL +5V 3, FL 0V 4, D+5V 5, BK+5V 6, D+3.3V 7

PB501: A-7.5V 1, A+7.5V 2, BK+3.3V 3, HP L 4, HP GND 5, HP R 6, MIC DET 7, AGND 8, REMOTE 9, FL DI 10, FL CLK 11, FL STB 12, DGND 13, LED CONT 14, STANDBY LED 15, WM SURR LED 16, LPCM MULT LED 17, Bi-AMP LED 18, SETUP LED 19, DGND 20, KEY GND 21, KEY1 22, KEY2 23, SEL ENC1 24, SEL ENC2 25, VOL ENC1 26, VOL ENC2 27, SURROUND LED 28, WL M.Room LED 29, DGND 30

PB603: BI-WIRE 1, SP A 2, SP B 3, SP RELAY +B 4, RELAY GND 5

JW2005*: GND 7, GND 6, BK+5V 5, BK+4V 4, BK+4V 3, BK+2.5V 2, BK+2.5V 1

PB2004: DC_DET 1, CEC_OUT 2, CEC_IN 3, HDMI_MUTE 4, POWER SENSE(3.3V) 5, MAIN_POWER 6, H_REQ 7, S_CS 8, H_SO 9, S_SI 10, S_CK 11, M_RST 12, LPCM MULT LED 13, CEC_LED 14, DGND 15, DGND 16

CN7001: SYNC 1, SYS6V 2, SYS6VGND 3, DC_DET 4, -13V 5, GND 6, GND 7, +18V 8, +18V 9, PCONT 10, AMBP 11

PB1001: DCDET 13, VIDEO_A 12, VIDEO_B 11, VIDEO_C 10, V_SEL 9, SW1 8, SW2 7, PowerSave 6, A-7.5V 5, A+7.5V 4, VGND 3, NC 2, NC 1

IC7003 C0CBABC00117 D+3.3V REGULATOR

IC7004 C0DBAYH00005 SWITCHING REGULATOR

IC7704 C0DBAYH00005 SWITCHING REGULATOR

QR7001 B1GBCFGG0011 DC DETECT

T7001 G4D1A0000094 SWITCHING TRANSFORMER

Q7001 B1BABK000001 PSAVE CONTROL

Q7006 2SC3940ARA A+7.5V REGULATOR

Q7007 B1ABCF000011 DC DETECT

Q7005 B1ADCF000001 POWER CONTROL

Q7004 2SB0621AHA A-7.5V REGULATOR

E7001

IP7001 750mA

1/4 2/4 3/4 4/4

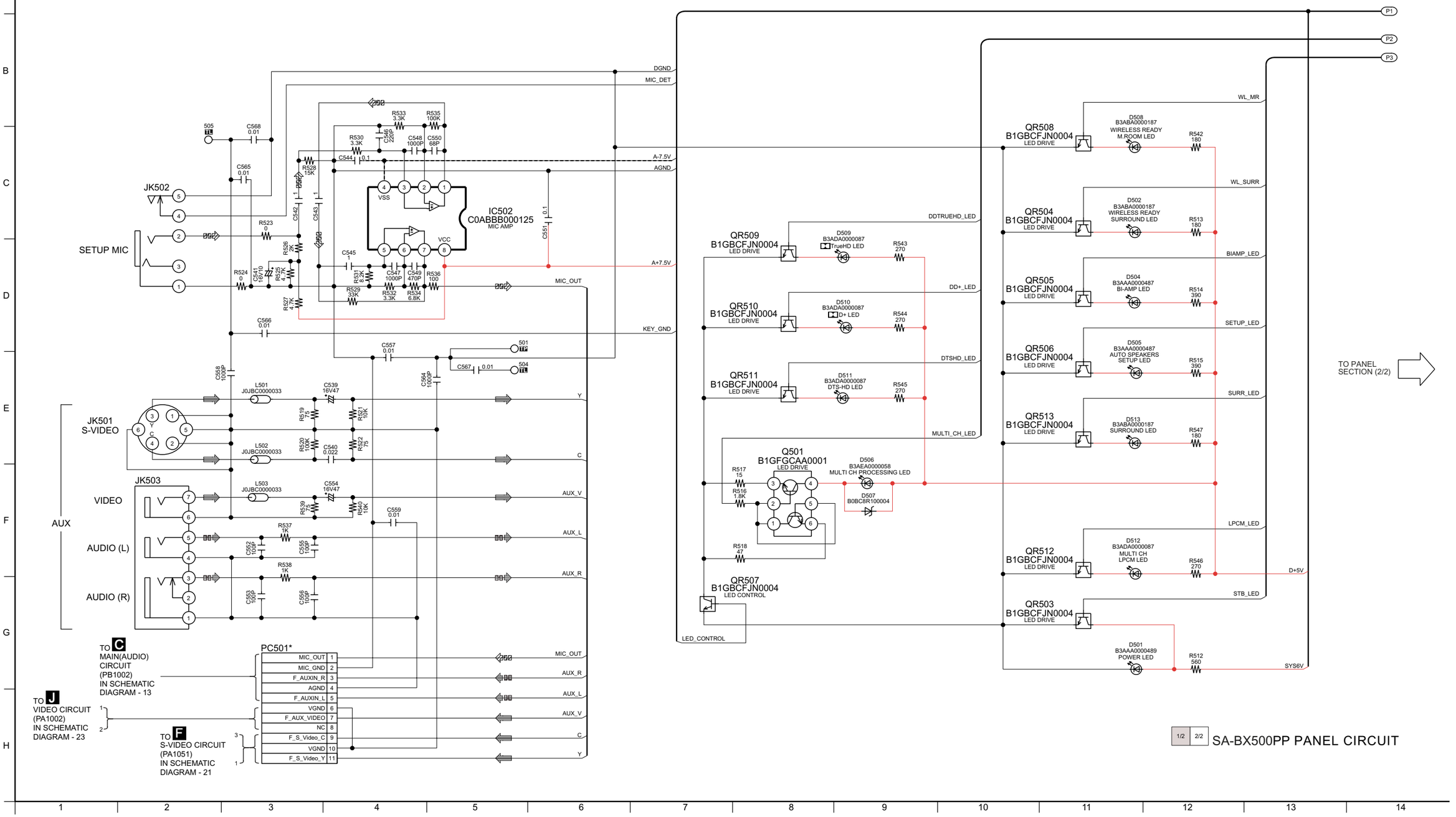
SA-BX500PP MAIN(CPU) CIRCUIT

13.4. Panel Circuit

SCHEMATIC DIAGRAM - 19

E PANEL CIRCUIT

—— : +B SIGNAL LINE - - - - : -B SIGNAL LINE : MAIN SIGNAL LINE : MIC SIGNAL LINE : VIDEO SIGNAL LINE : AUDIO SIGNAL LINE

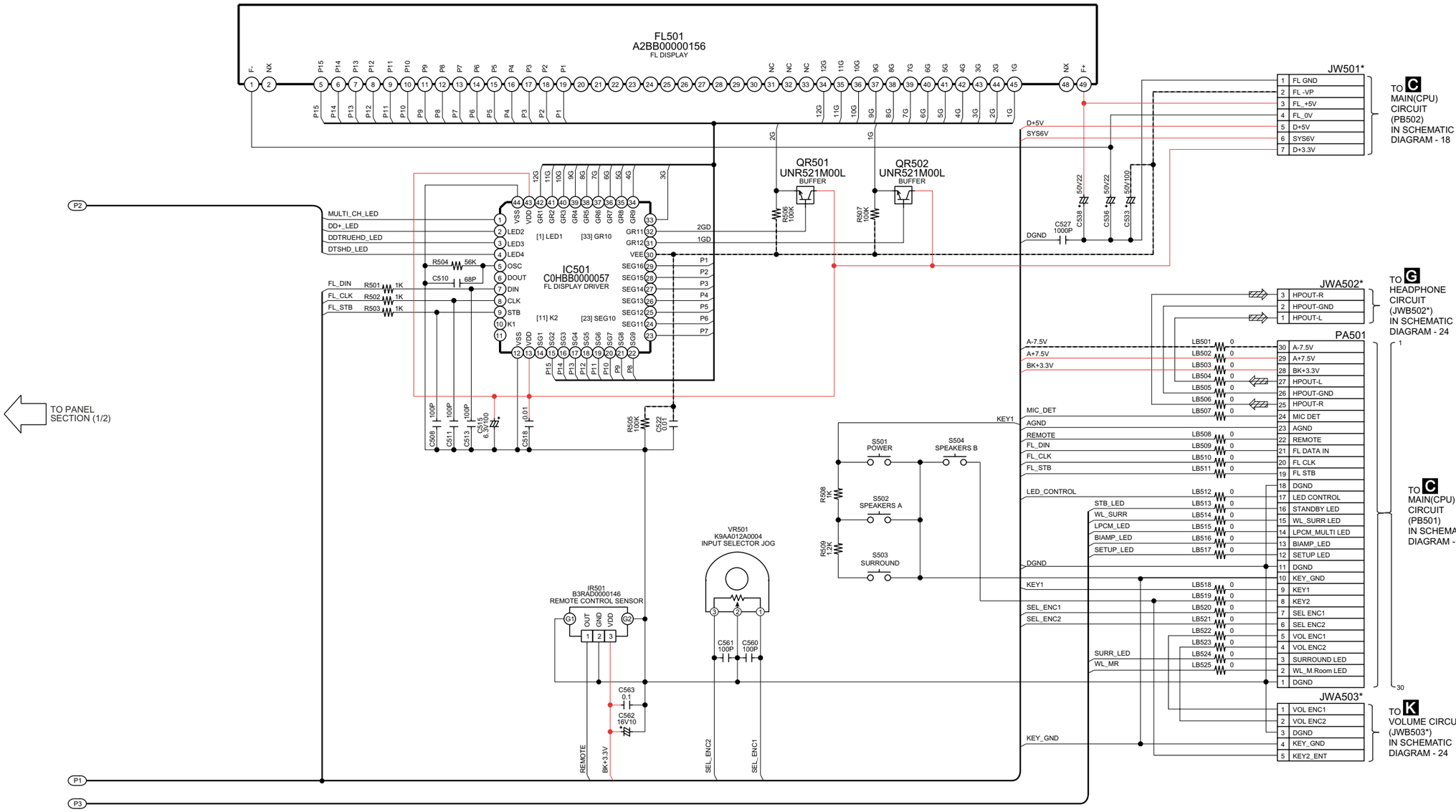


1/2 2/2 SA-BX500PP PANEL CIRCUIT

SCHEMATIC DIAGRAM - 20

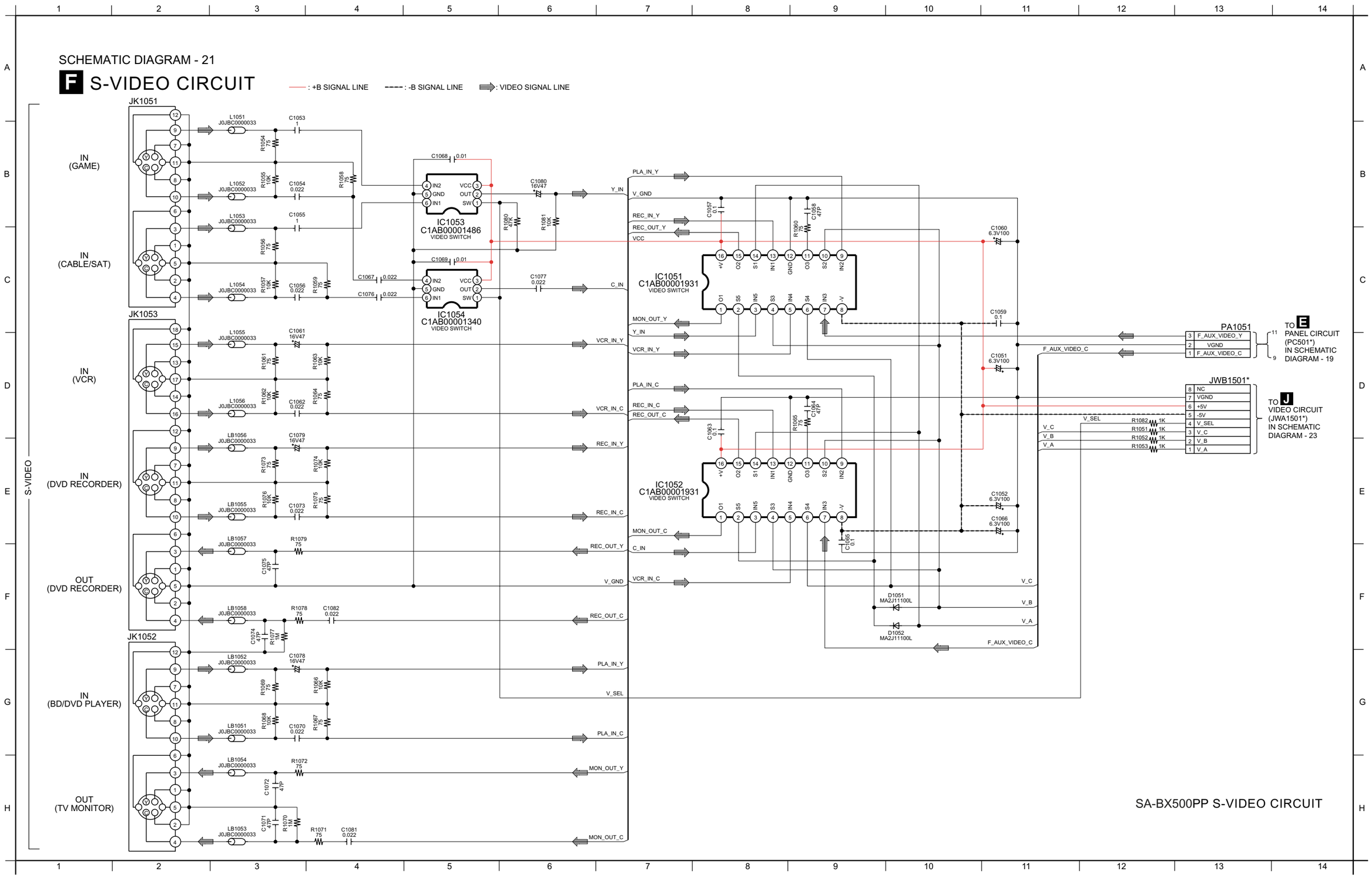
E PANEL CIRCUIT

—— : +B SIGNAL LINE - - - - : -B SIGNAL LINE : MAIN SIGNAL LINE : MIC SIGNAL LINE : VIDEO SIGNAL LINE : AUDIO SIGNAL LINE

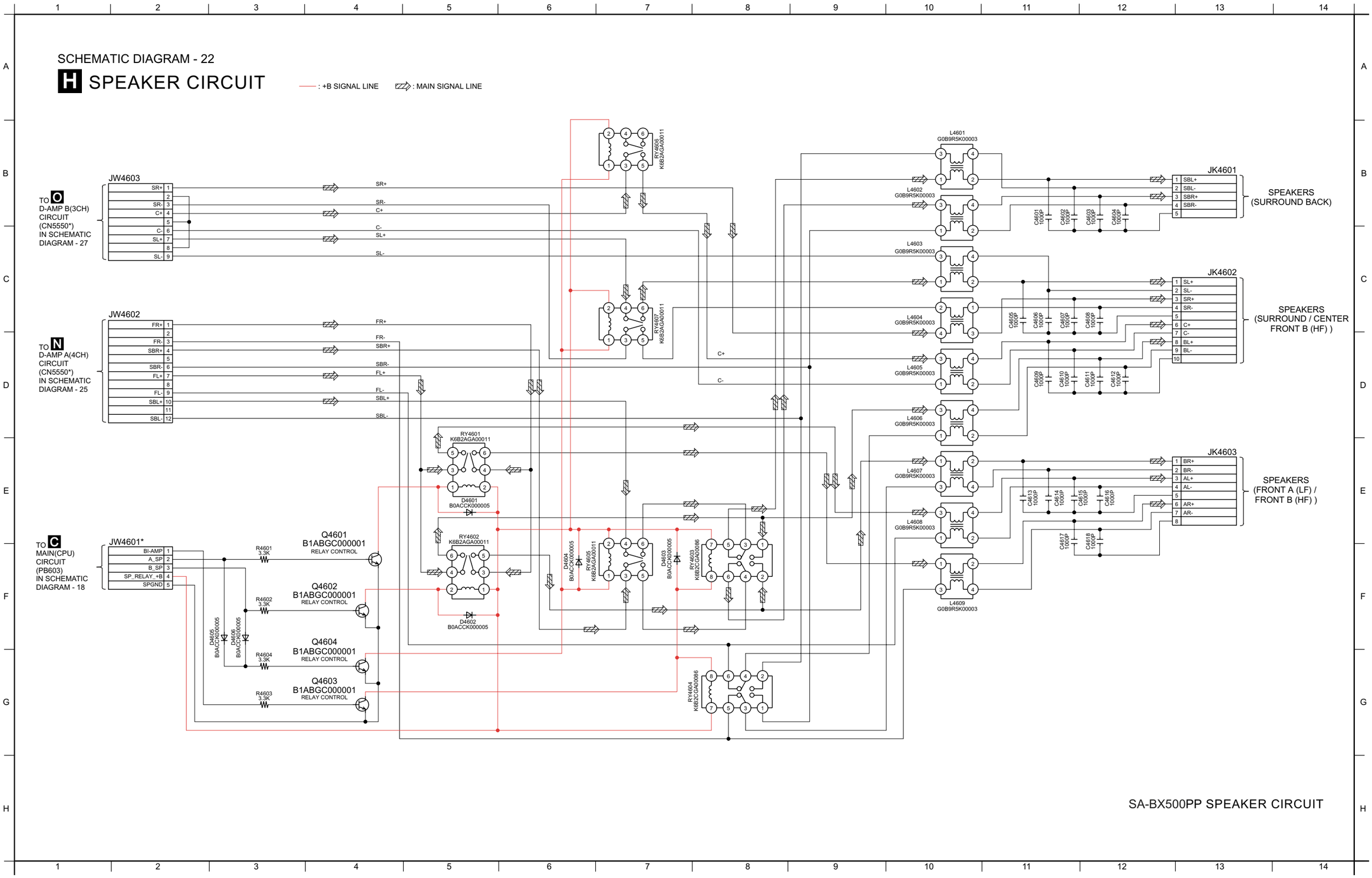


1/2 2/2 SA-BX500PP PANEL CIRCUIT

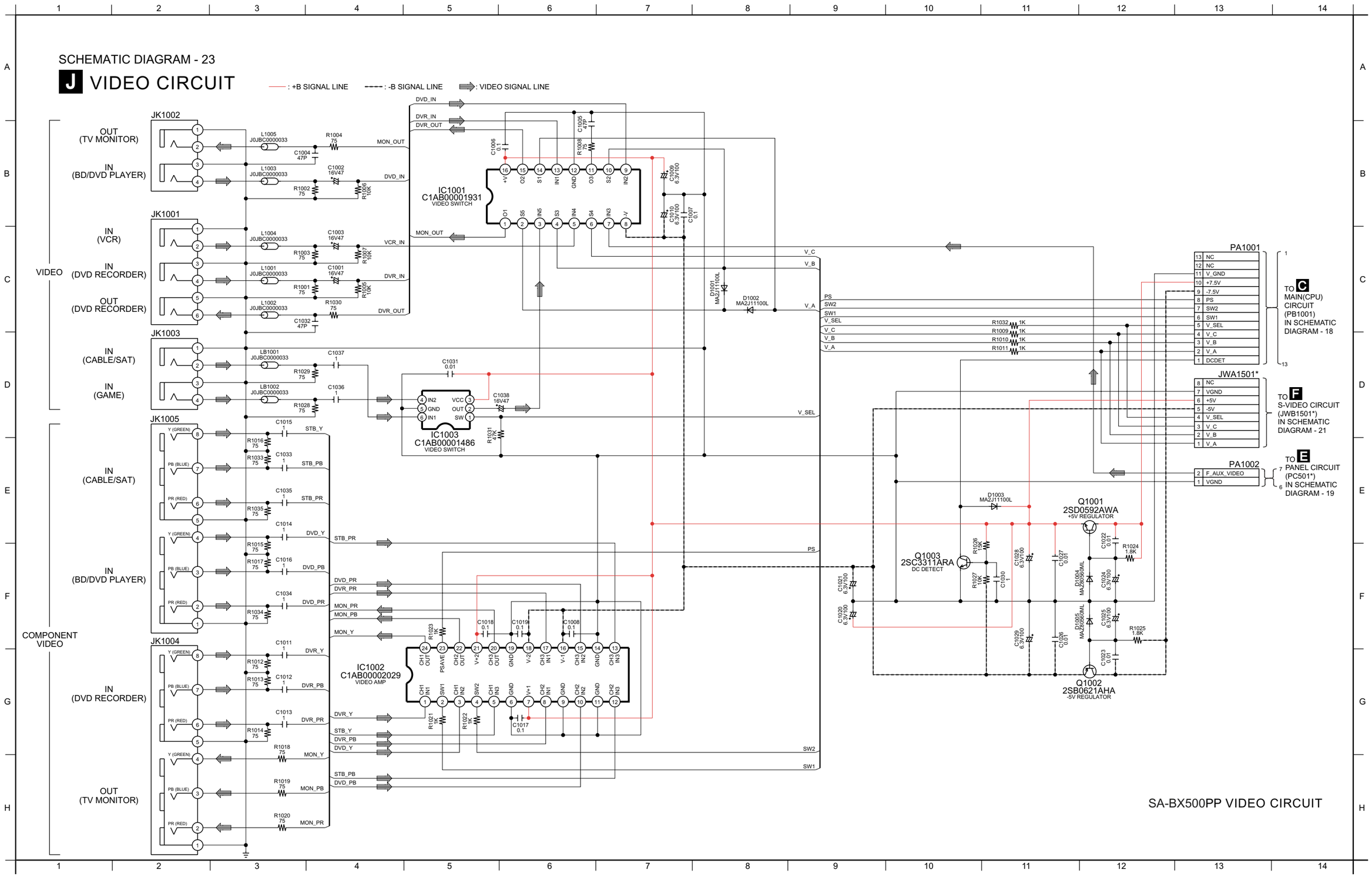
13.5. S-Video Circuit



13.6. Speaker Circuit



13.7. Video Circuit

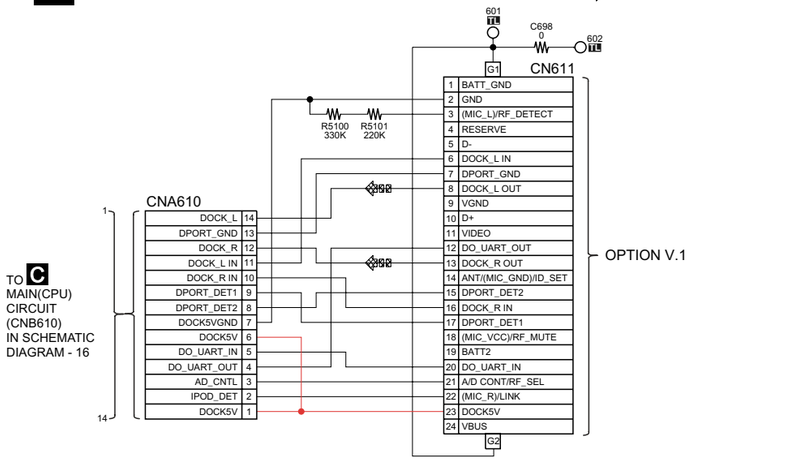


13.8. D-Port, Headphone, Digital, Volume, Wireless Adapter, Fan Circuit

SCHEMATIC DIAGRAM - 24

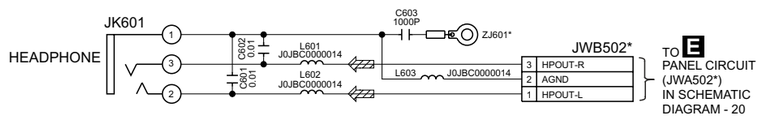
D D-PORT CIRCUIT

: +B SIGNAL LINE : IPOD AUDIO SIGNAL LINE



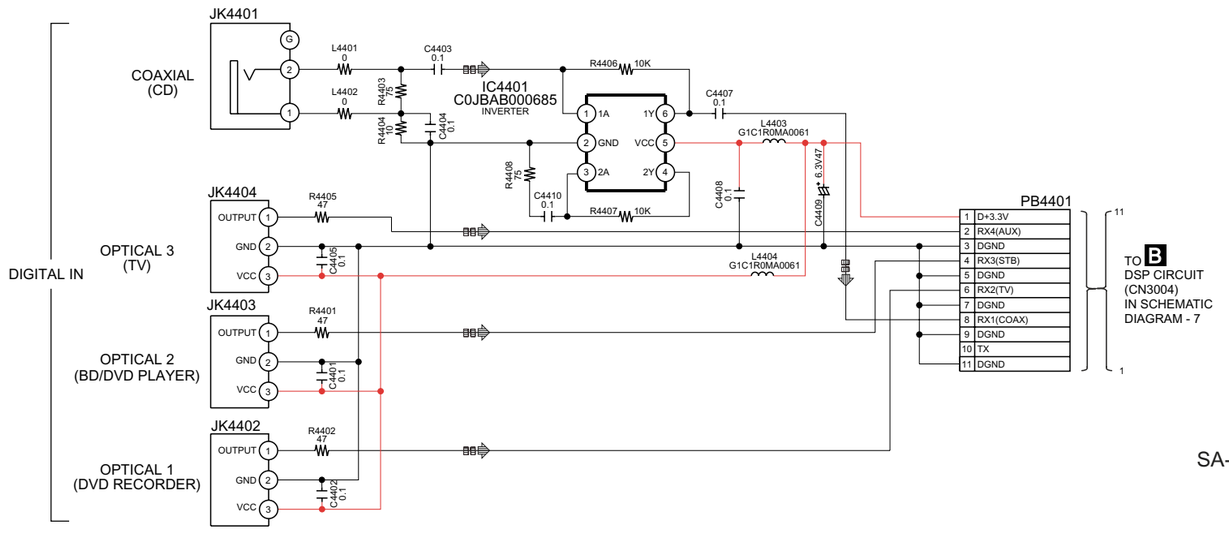
G HEADPHONE CIRCUIT

: MAIN SIGNAL LINE

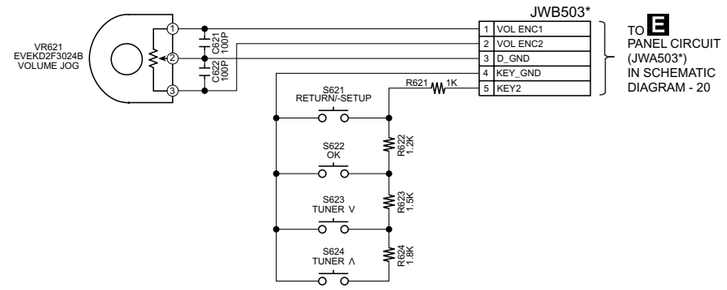


I DIGITAL CIRCUIT

: +B SIGNAL LINE : AUDIO SIGNAL LINE

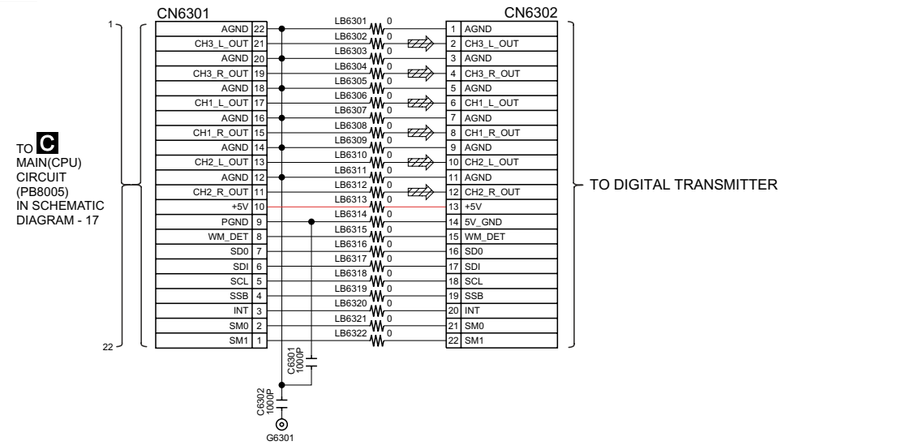


K VOLUME CIRCUIT

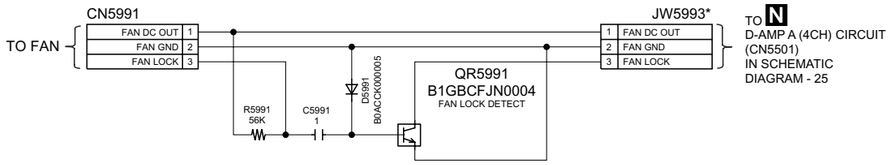


L WIRELESS ADAPTER CIRCUIT

: +B SIGNAL LINE : MAIN SIGNAL LINE



M FAN CIRCUIT



SA-BX500PP D-PORT / HEADPHONE / DIGITAL / VOLUME / WIRELESS ADAPTER / FAN CIRCUIT

13.9. D-Amp A (4CH) Circuit

SCHEMATIC DIAGRAM - 25

N D-AMP A(4CH) CIRCUIT

: +B SIGNAL LINE : -B SIGNAL LINE : MAIN SIGNAL LINE

IC5300
C1BA00000487
AUDIO DIGITAL POWER AMP

IC5500
C0JBAB000902
INVERTER GATE
(CLOCK GENERATOR)

IC5501
C0JBAF000716
D-TYPE FLIP-FLOP

CN5550*
TO **H** SPEAKER CIRCUIT (JW4602) IN SCHEMATIC DIAGRAM - 22

CN5501
TO **M** FAN CIRCUIT (JW5993*) IN SCHEMATIC DIAGRAM - 24

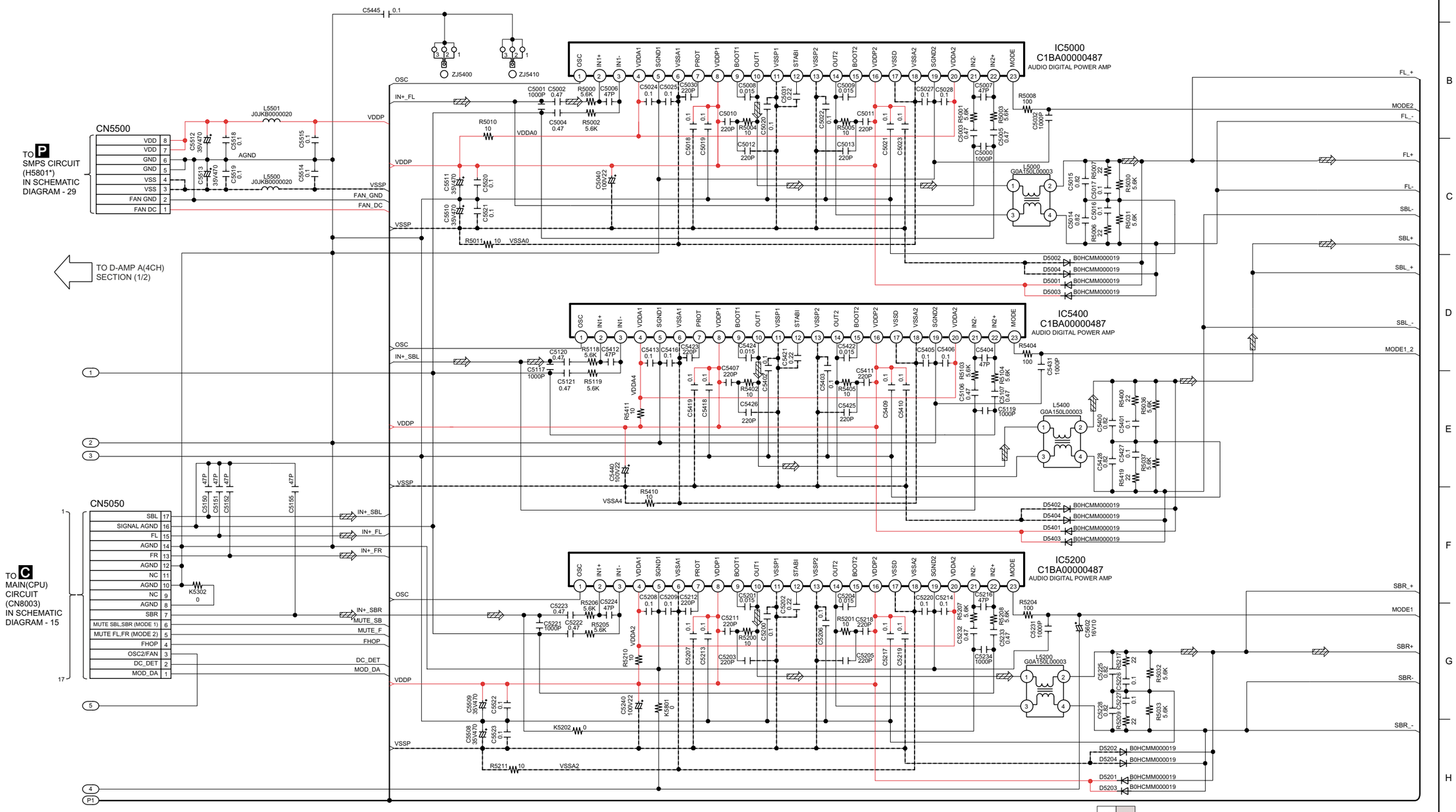
TO D-AMP A(4CH) SECTION (2/2)

1/2 2/2 SA-BX500PP D-AMP A(4CH) CIRCUIT

SCHEMATIC DIAGRAM - 26

N D-AMP A(4CH) CIRCUIT

: +B SIGNAL LINE : -B SIGNAL LINE : MAIN SIGNAL LINE



1/2 | 2/2 SA-BX500PP D-AMP A(4CH) CIRCUIT

13.10. D-Amp B (3CH) Circuit

SCHEMATIC DIAGRAM - 27

O D-AMP B(3CH) CIRCUIT

—— : +B SIGNAL LINE - - - - : -B SIGNAL LINE ▨ : MAIN SIGNAL LINE

IC5300
C1BA00000487
AUDIO DIGITAL POWER AMP

IC5500
C0JBAB000902
INVERTER GATE
(CLOCK GENERATOR)

IC5501
C0JBAF000716
D-TYPE FLIP-FLOP

CN5550*
TO **H** SPEAKER CIRCUIT (JW4603) IN SCHEMATIC DIAGRAM - 22

CN5501
1 FAN DC OUT
2 FAN GND
3 FAN LOCK

Q5603 B1ADCE000012 SWITCH
Q5604 B1ABCF000176 SWITCH
Q5601 B1ABCF000176 SWITCH
Q5602 B1ABCF000176 SWITCH
Q5101 B1ABCF000176 DC DETECT
Q5102 B1ABCF000176 DC DETECT
Q5640 B1BACD000018 FAN MOTOR DRIVE
Q5642 2SC584500L FAN MOTOR DRIVE
Q5644 2SC584500L FAN MOTOR DRIVE

L5300 G0A150L00003

D5302 B0HCMM000019
D5304 B0HCMM000019
D5301 B0HCMM000019
D5303 B0HCMM000019

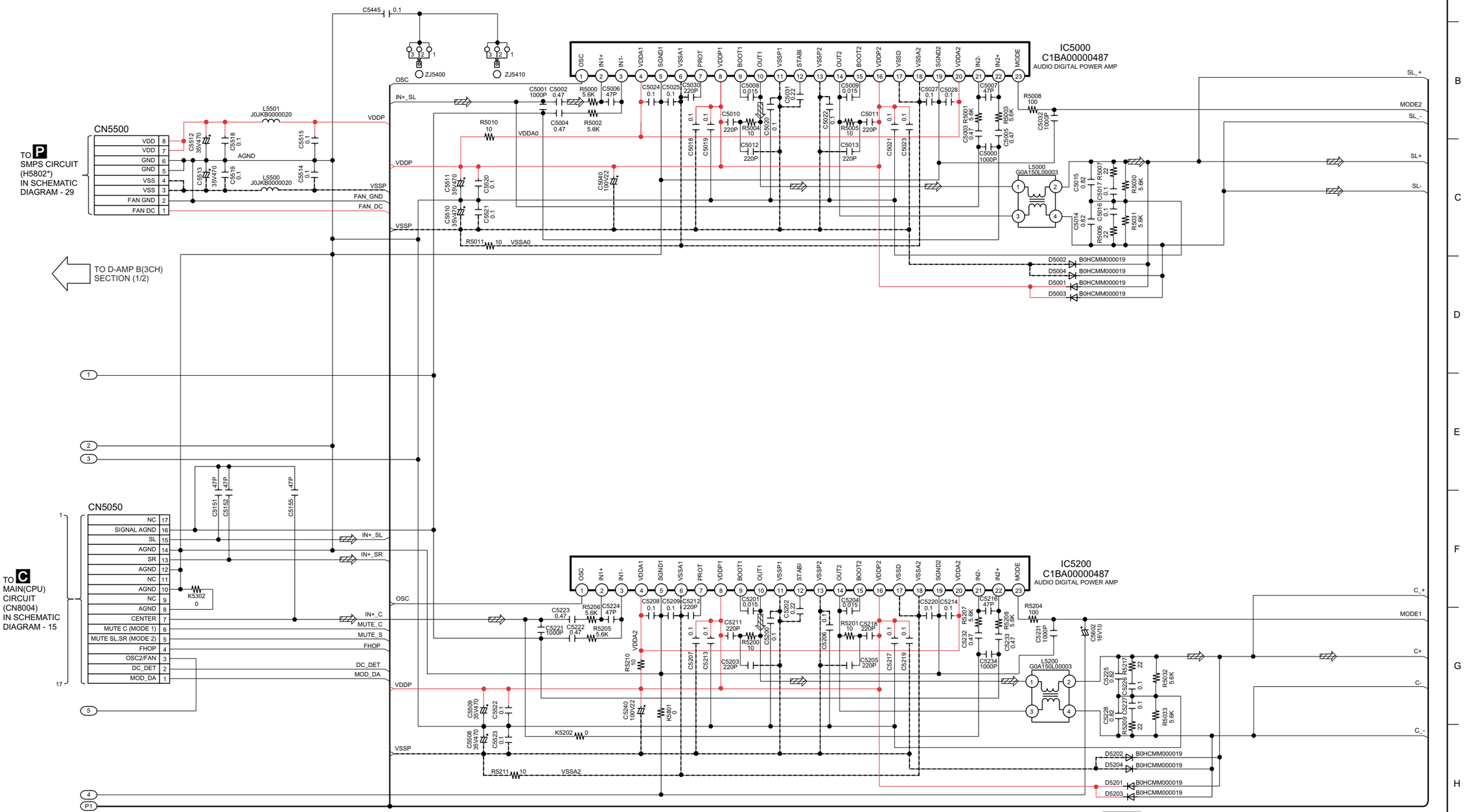
TO D-AMP B(3CH) SECTION (2/2)

1/2 2/2 SA-BX500PP D-AMP B(3CH) CIRCUIT

SCHEMATIC DIAGRAM - 28

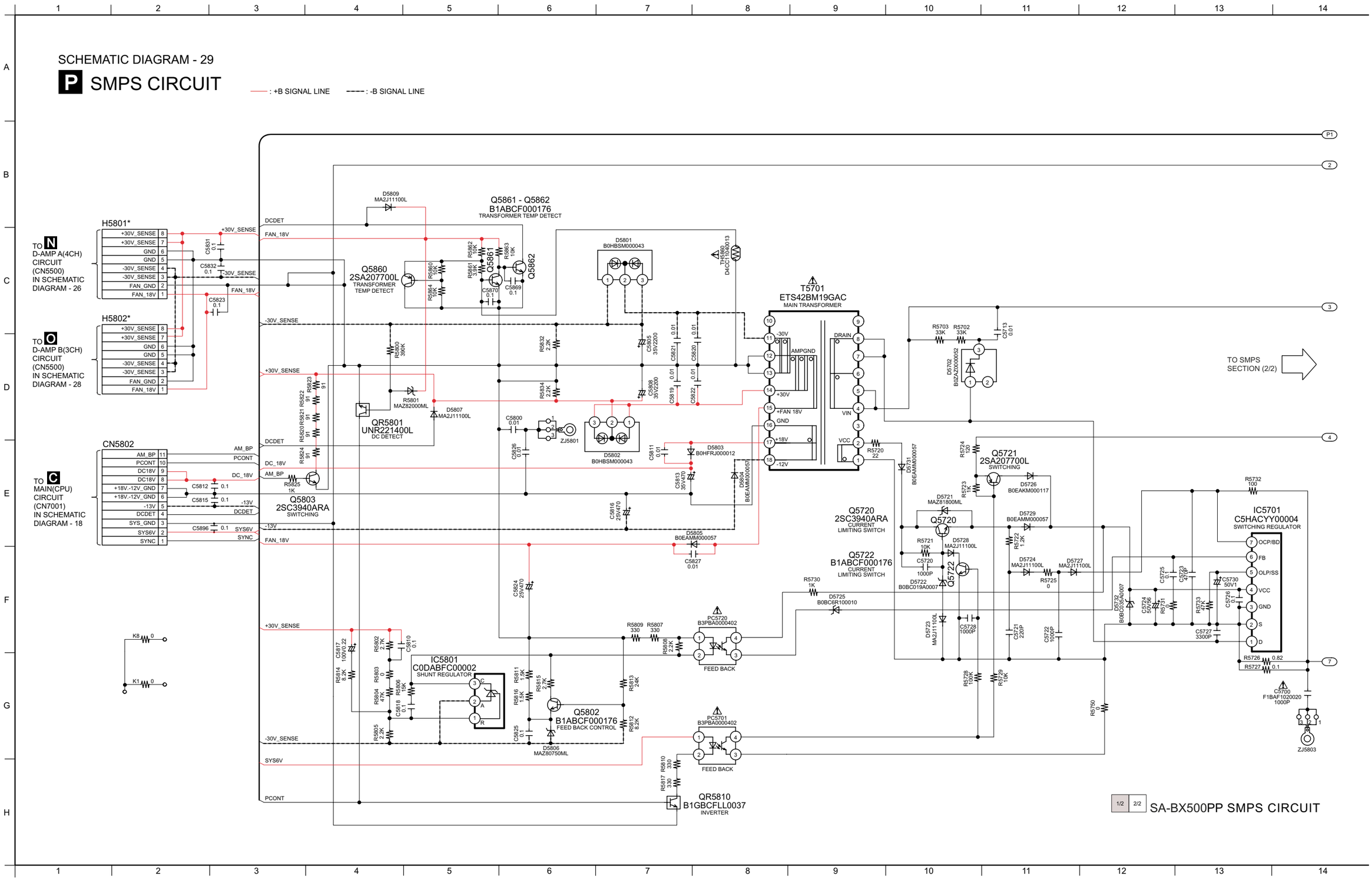
O D-AMP B(3CH) CIRCUIT

: +B SIGNAL LINE : -B SIGNAL LINE : MAIN SIGNAL LINE



1/2 2/2 SA-BX500PP D-AMP B(3CH) CIRCUIT

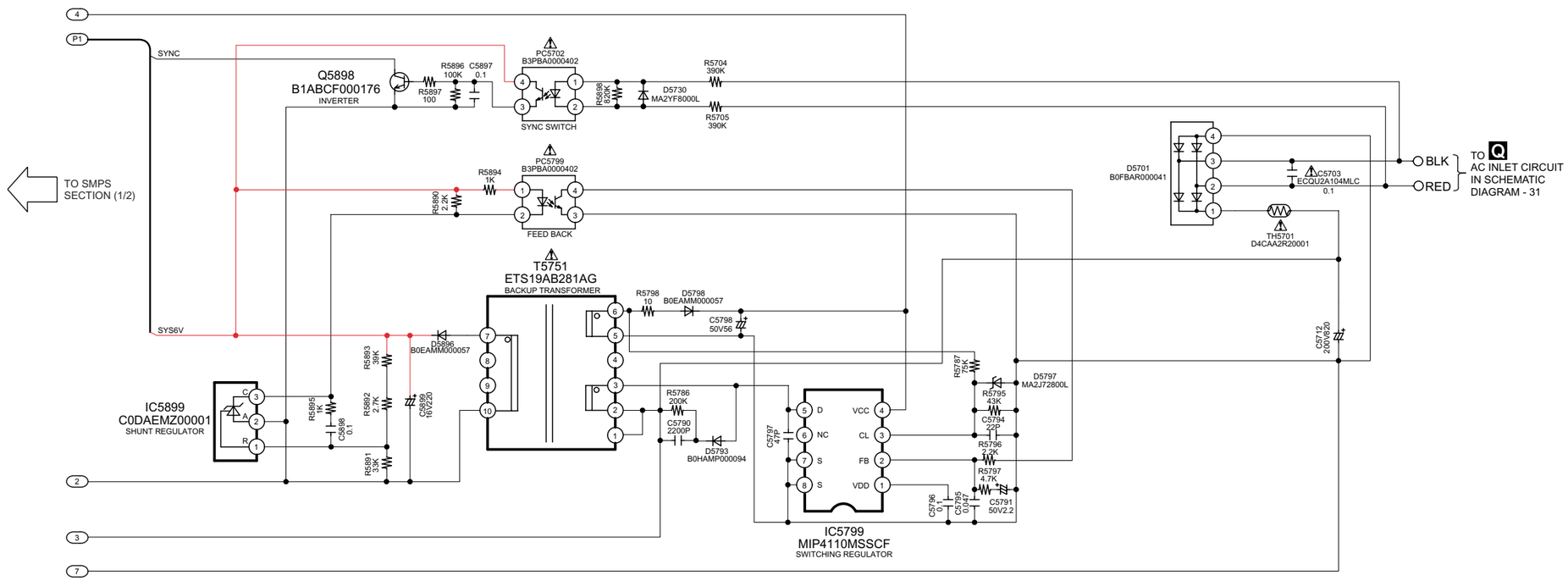
13.11. SMPS Circuit



SCHEMATIC DIAGRAM - 30

P SMPS CIRCUIT

: +B SIGNAL LINE : -B SIGNAL LINE

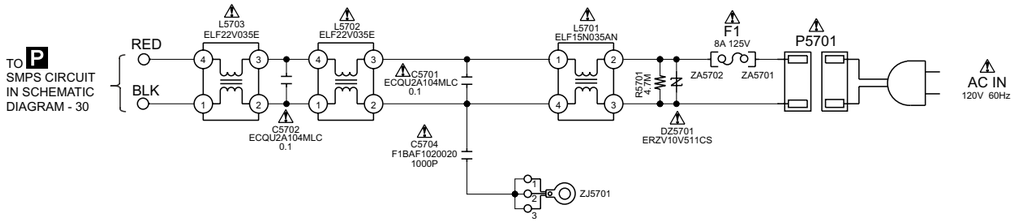


1/2 2/2 SA-BX500PP SMPS CIRCUIT

13.12. AC Inlet Circuit

SCHEMATIC DIAGRAM - 31

Q AC INLET CIRCUIT



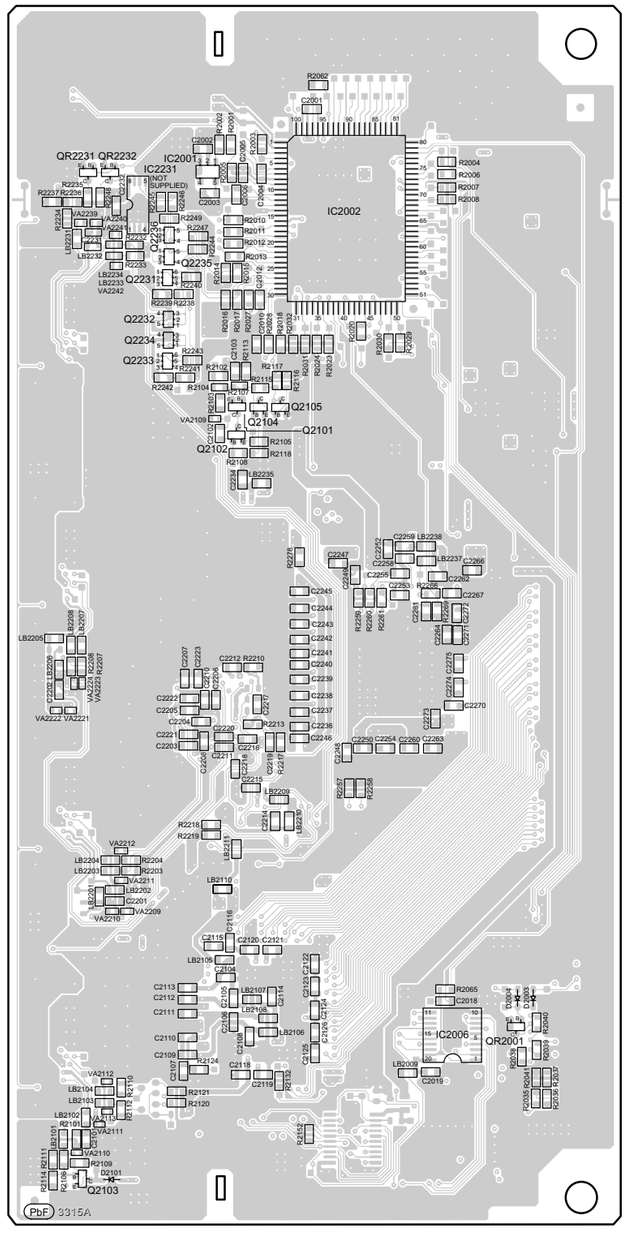
SA-BX500PP AC INLET CIRCUIT

SA-BX500PP

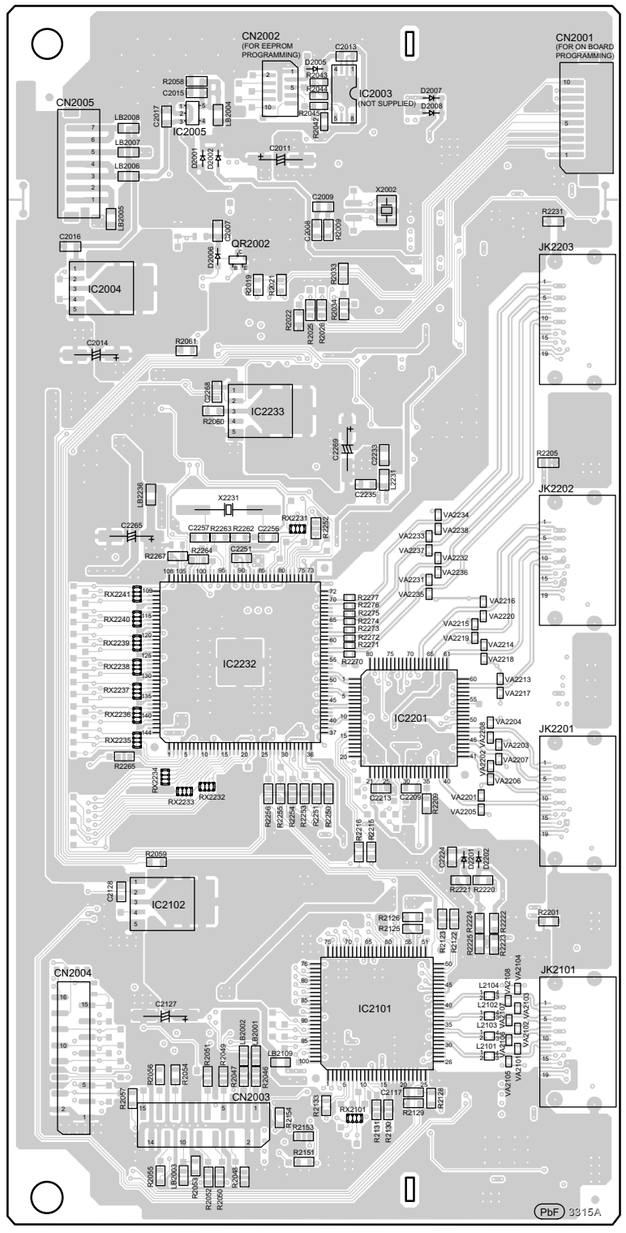
14 Printed Circuit Board

14.1. HDMI P.C.B.

A HDMI P.C.B. (REP4392A-T)



(SIDE A)

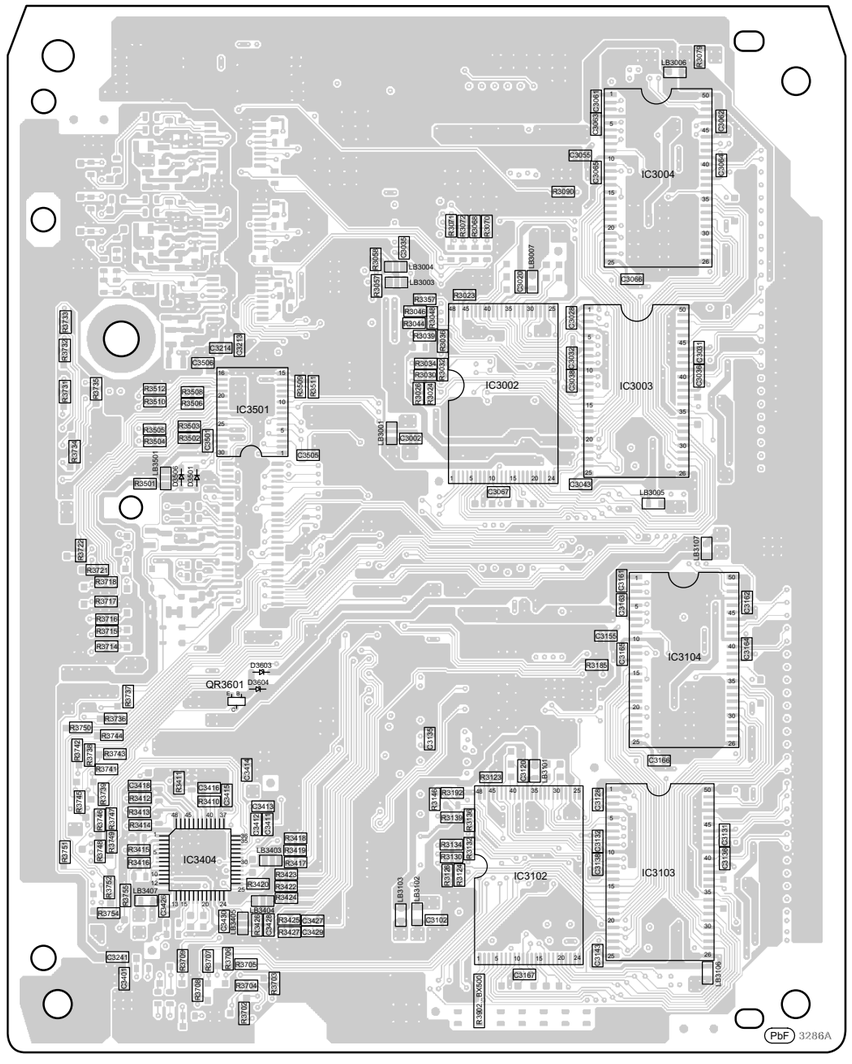


(SIDE B)

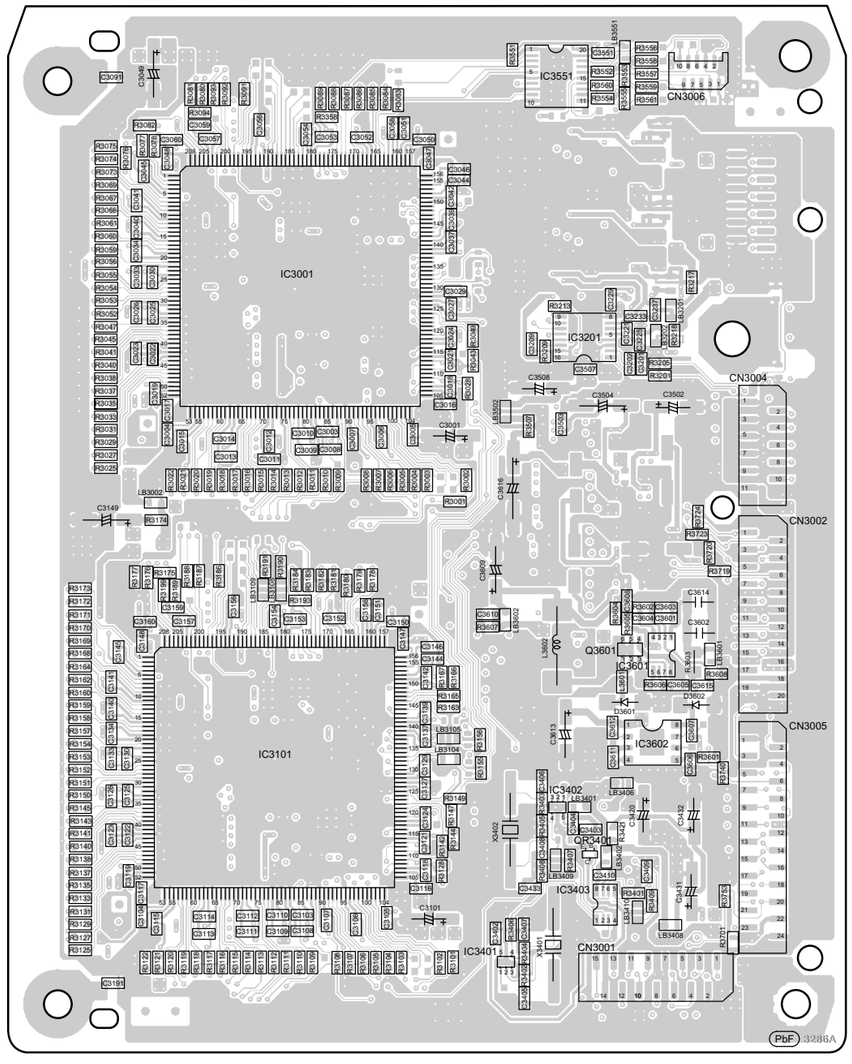
SA-BX500PP
HDMI P.C.B.

14.2. DSP P.C.B.

B DSP P.C.B. (REP4369B)



(SIDE A)

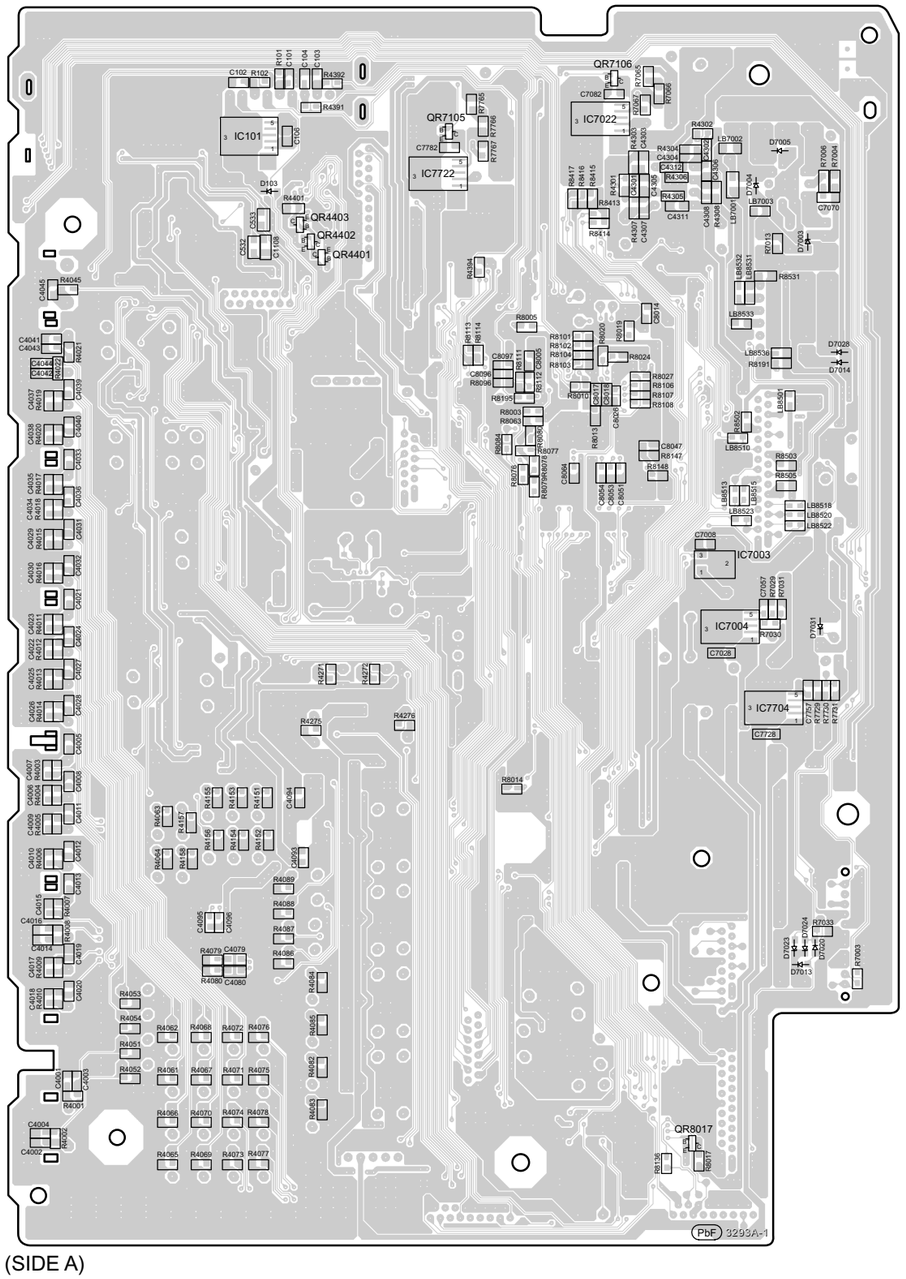


(SIDE B)

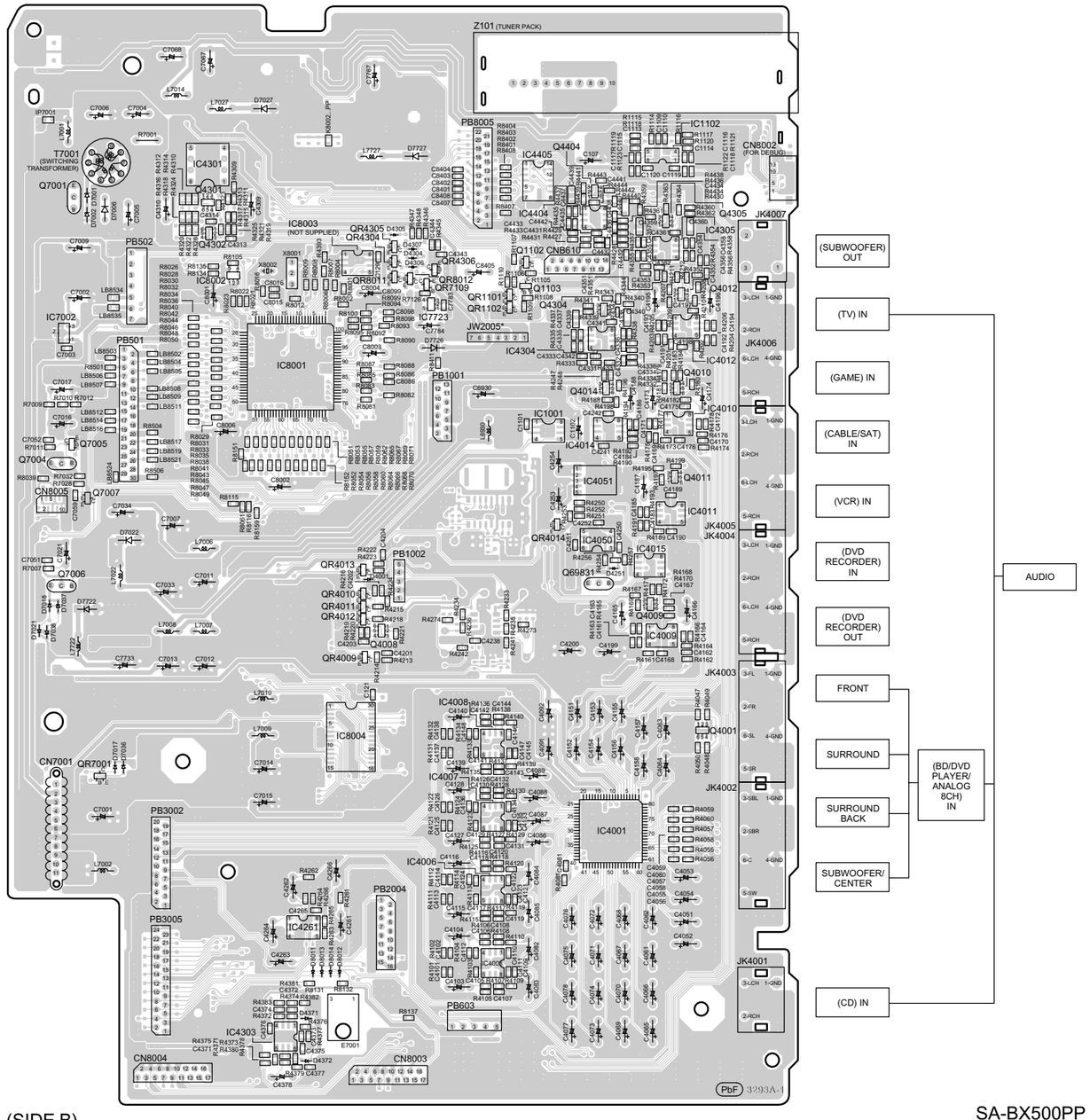
SA-BX500PP
DSP P.C.B.

14.3. Main P.C.B.

C MAIN P.C.B. (REP4337B-M)



(SIDE A)



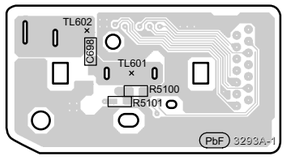
(SIDE B)

* FOR INDICATION ONLY

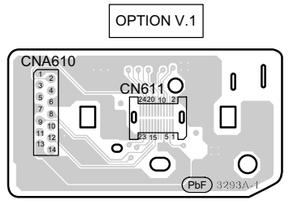
SA-BX500PP
MAIN P.C.B.

14.4. D-Port, Panel, S-Video P.C.B.

D D-PORT P.C.B. (REP4337B-M)

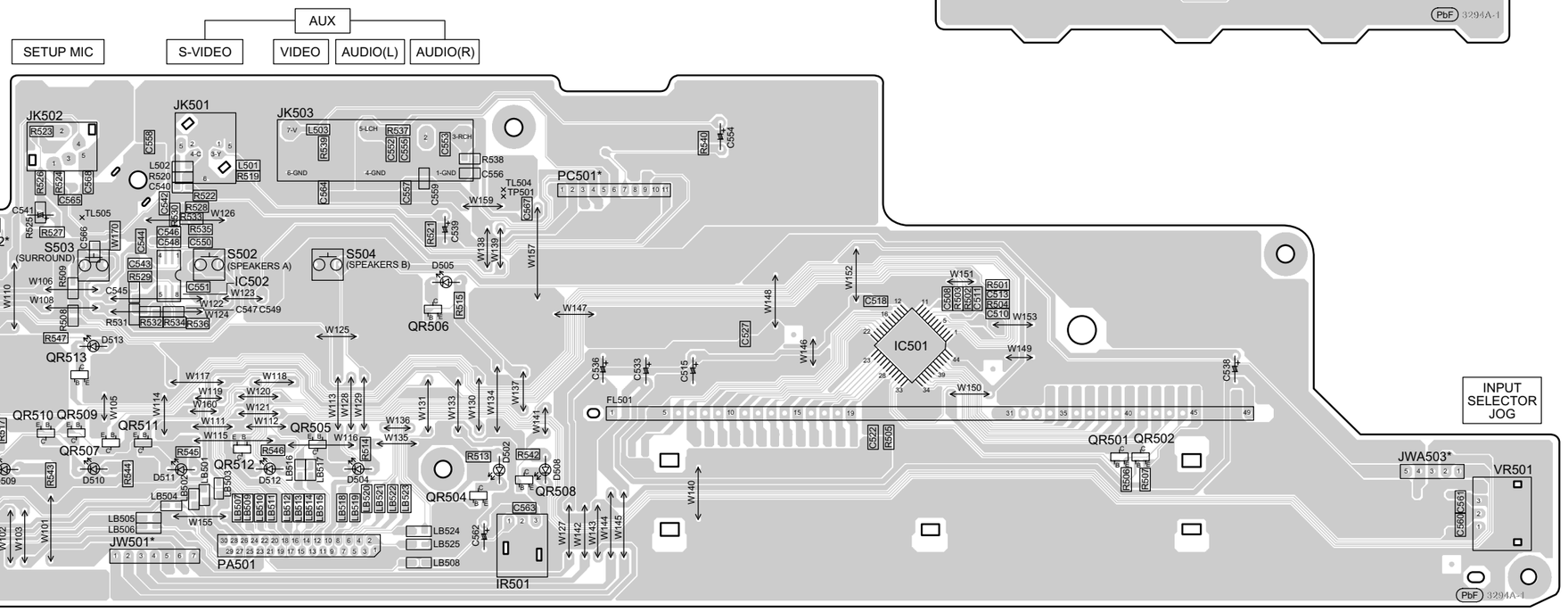


(SIDE A)

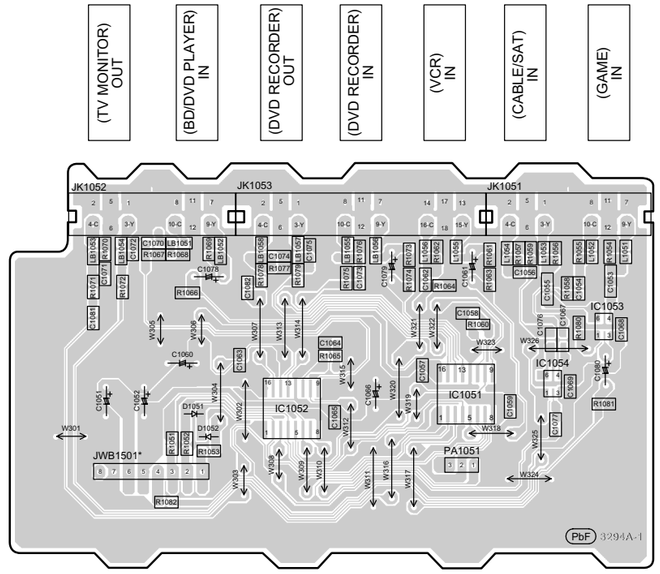


(SIDE B)

E PANEL P.C.B. (REP4338B-S)



F S-VIDEO P.C.B. (REP4338B-S)

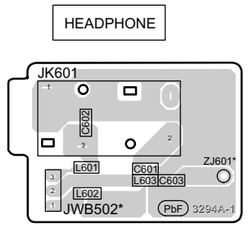


* FOR INDICATION ONLY

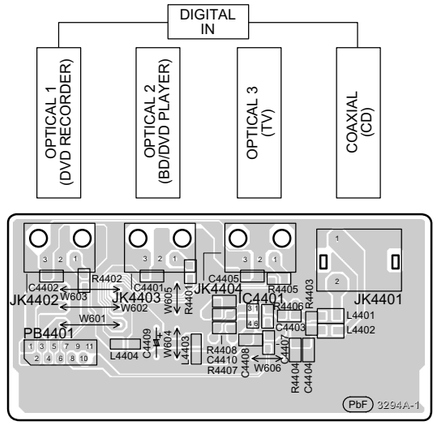
SA-BX500PP
D-PORT/PANEL/S-VIDEO P.C.B.

14.5. Headphone, Speaker, Digital, Video, Volume P.C.B.

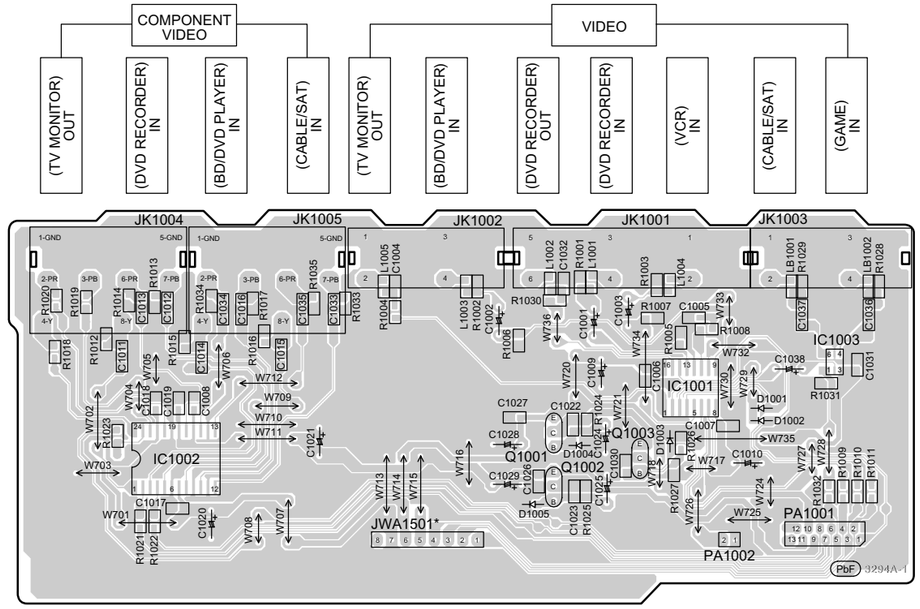
G HEADPHONE P.C.B. (REP4338B-S)



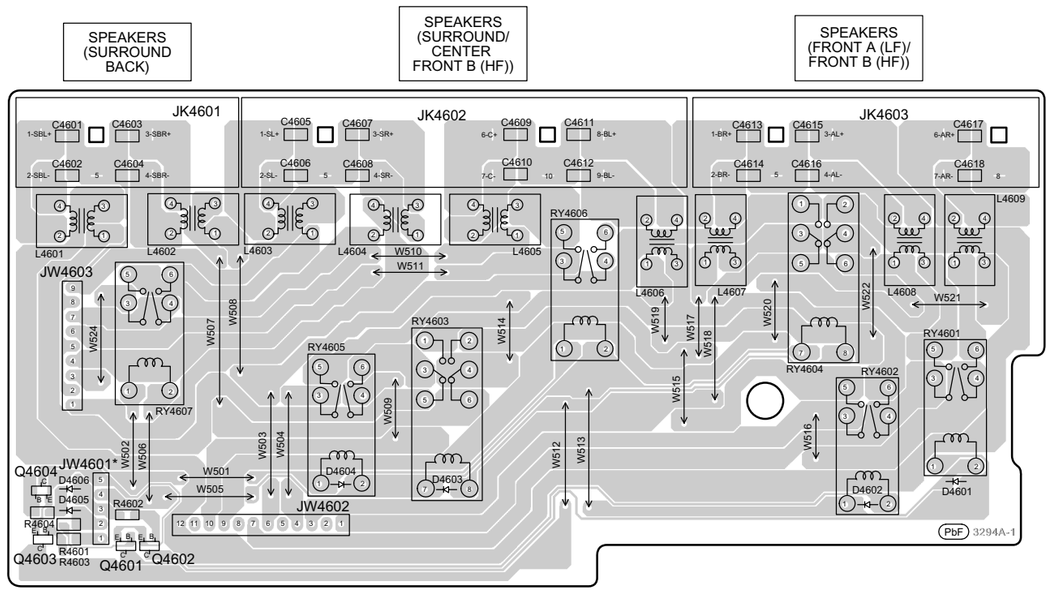
I DIGITAL P.C.B. (REP4338B-S)



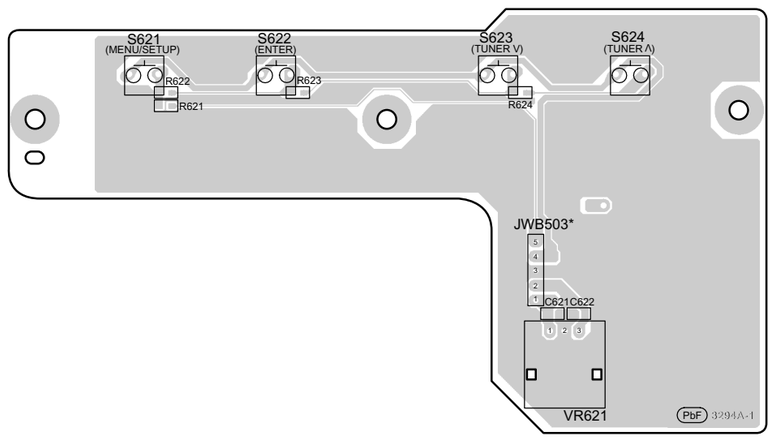
J VIDEO P.C.B. (REP4338B-S)



H SPEAKER P.C.B. (REP4338B-S)



K VOLUME P.C.B. (REP4338B-S)



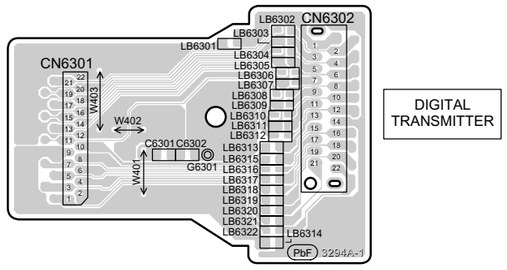
VOLUME

* FOR INDICATION ONLY

SA-BX500PP
HEADPHONE/SPEAKER/DIGITAL/VIDEO/VOLUME P.C.B.

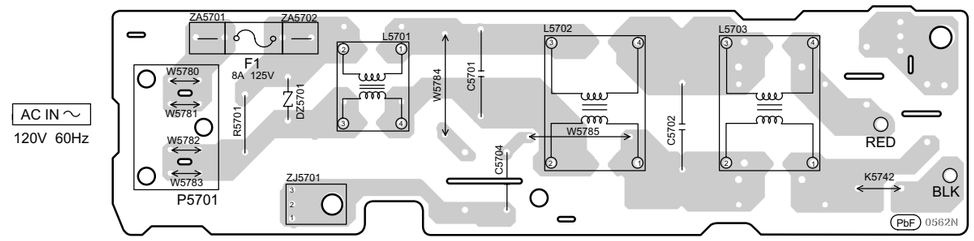
14.6. Wireless Adapter, Fan, AC Inlet P.C.B.

L WIRELESS ADAPTER P.C.B. (REP4338B-S)

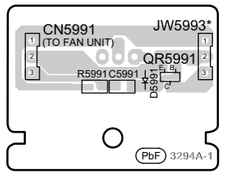


DIGITAL TRANSMITTER

Q AC INLET P.C.B. (REPX0622Q)



M FAN P.C.B. (REP4338B-S)

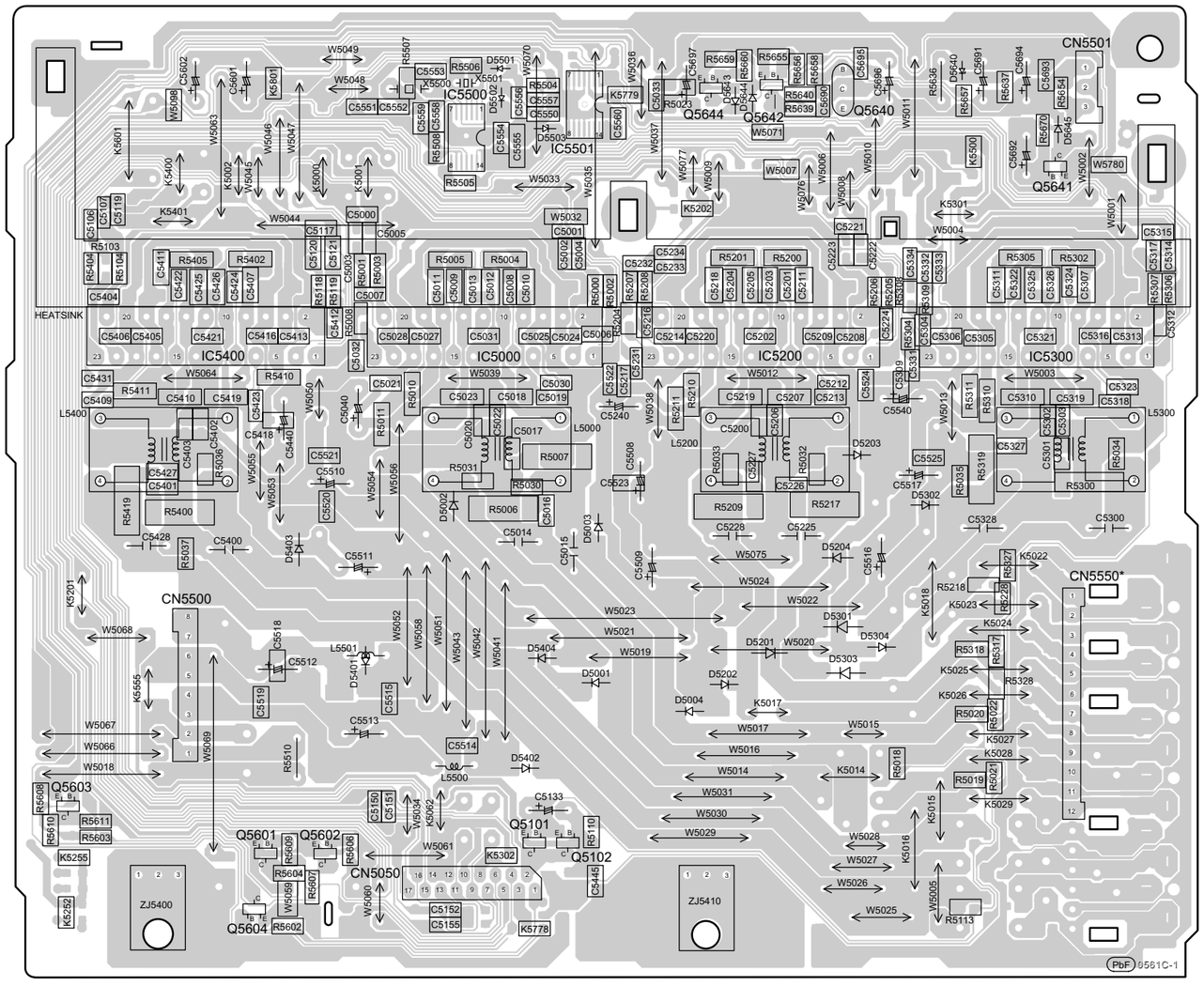


* FOR INDICATION ONLY

SA-BX500PP
WIRELESS ADAPTER/FAN/AC INLET P.C.B.

14.7. D-Amp A (4CH) P.C.B.

N D-AMP A (4CH) P.C.B. (REPX0621J)

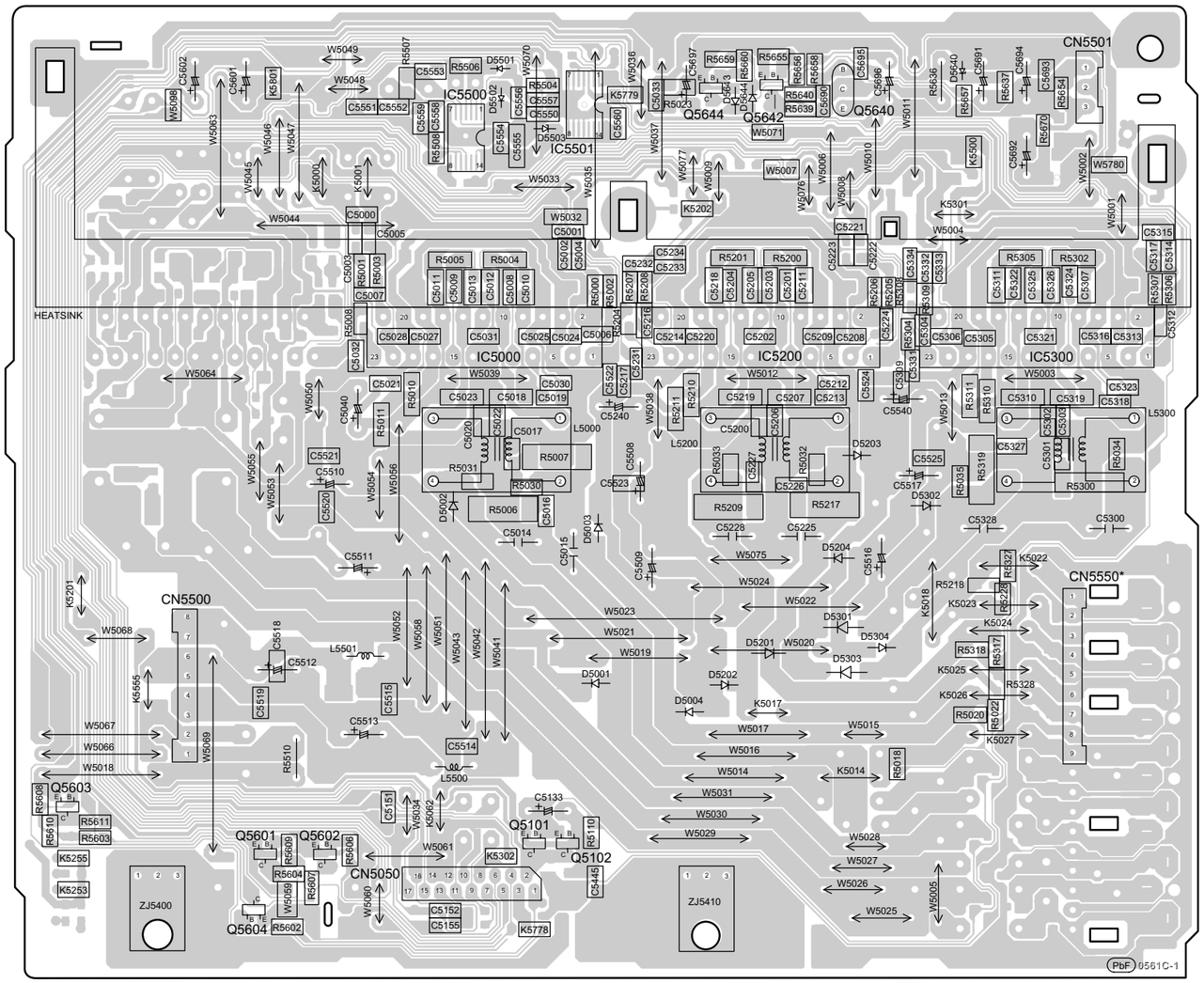


* FOR INDICATION ONLY

SA-BX500PP
D-AMP A (4CH) P.C.B.

14.8. D-Amp B (3CH) P.C.B.

O D-AMP B (3CH) P.C.B. (REPX0621K)

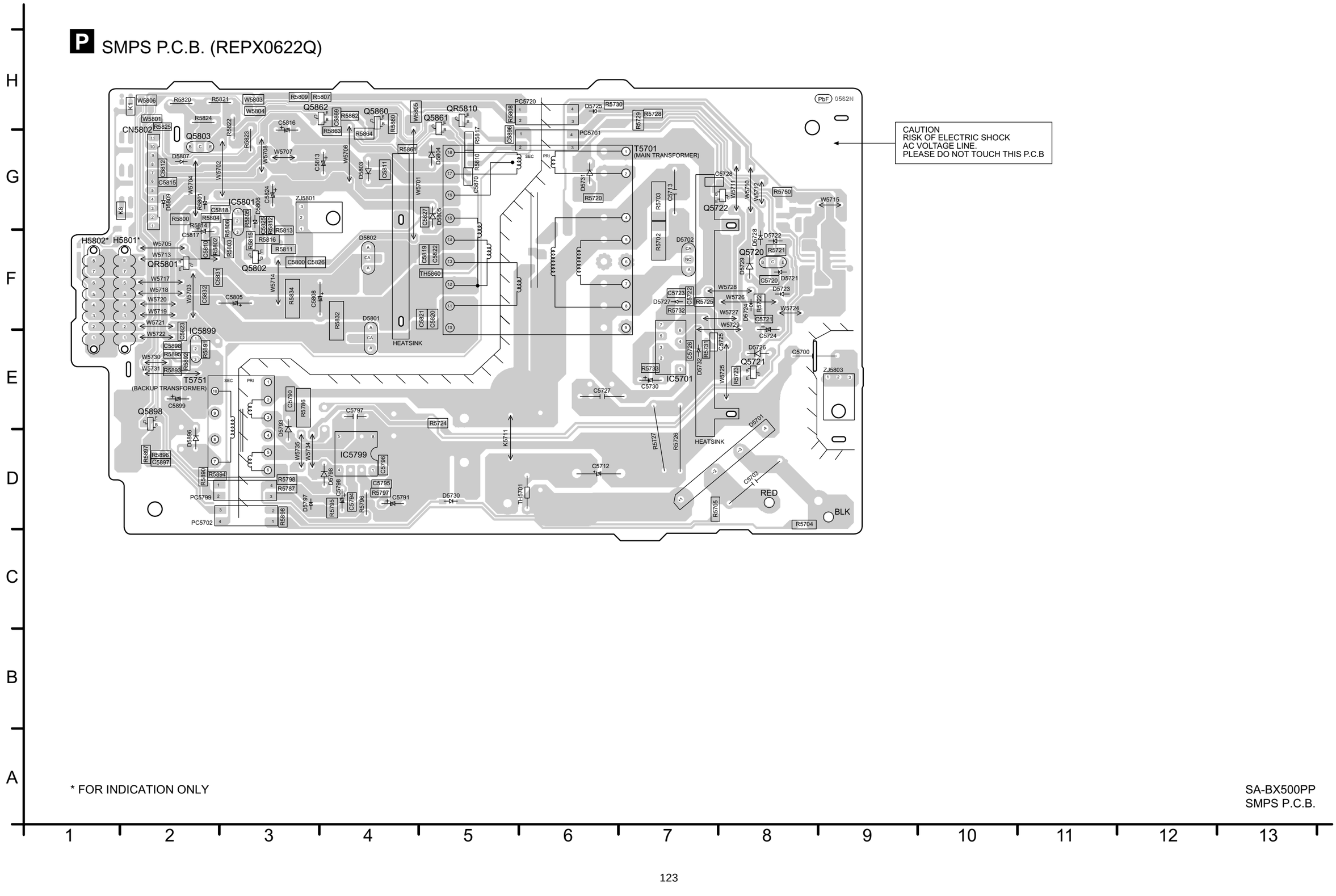


* FOR INDICATION ONLY

SA-BX500PP
D-AMP B (3CH) P.C.B.

14.9. SMPS P.C.B.

P SMPS P.C.B. (REPX0622Q)



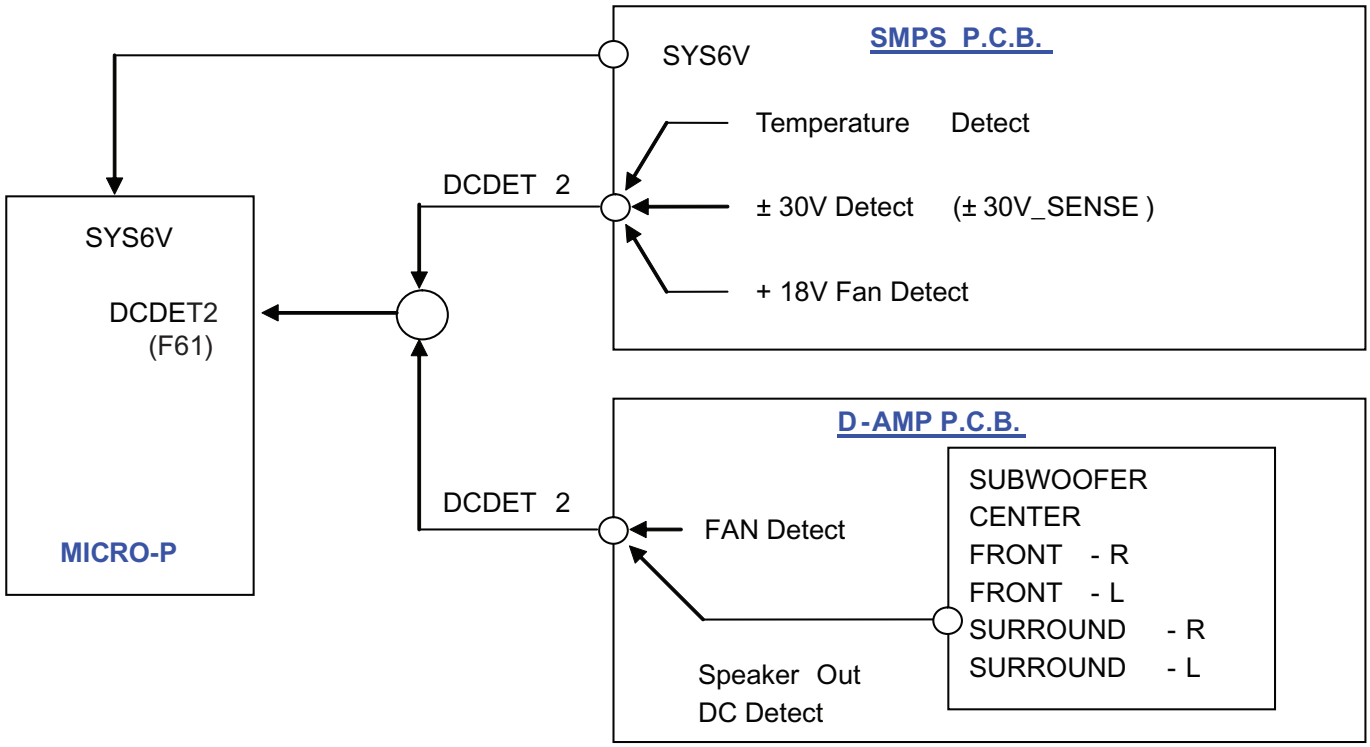
SA-BX500PP

15 Basic Troubleshooting Guide

15.1. Troubleshooting Guide for F61 and/or F76

This section illustrates the checking procedures when upon detecting the error of “F61” and/or “F76” after power up of the unit. It is for purpose of troubleshooting and checking in SMPS, D-Amp & Power Supply P.C.B.

15.1.1. Block Diagram



15.1.2. Troubleshooting Guide

Symptom	Checking Items	Repair Items	Remarks
FL display blinking with abnormal segment when power ON the set or "F61"	Check the soldering of the SMPS P.C.B. • Is there any solder crack at area (Q5860,Q5861, Q5862,TH5860, QR5801) • Check all the supply line ± 30V • Is there any solderability at area of feedback circuit • Check feedback circuit (IC5801, Q5802, D5806, PC5720, D5725)	Touch-up the solder crack area/ Change the defective parts. • Q5860,Q5861,Q5862,TH5860 (Temperature Detect) • QR5801 & QR5802 (± 30V Detect) • Touch-up the necessary areas • IC5801, D5806, PC5720, D5725	SMPS P.C.B. Refer to Fig. 1
First Power ON Display immediate show "F61".	Check Speaker output by using multi-meter, • If there is a DC Voltage around ± 30V • Check Output IC (Pin 10 & 14) which have DC Voltage at Speaker output short to ± Vdd/Vss • If shorted that means D-Amp damage already.	Change the defective parts. D-AMP IC: IC5000/IC5200/IC5300/IC5400 P/N = C1BA00000487 For Configuration Refer to Table 1	D-AMP P.C.B. Refer to Fig. 2
Power ON for a while then only trigger "F61". (Symptom always happen)	Check the fan connection & feedback loop: • If the fan not proper connected, "F61" will trigger when the volume increase. • If the fan is not working, check for fan circuit. Check the soldering of the SMPS P.C.B. • Is there any solder crack at area (Q5860,Q5861, Q5862,TH5860, QR5801) • Check all the supply line ± 30V	Re-connect the Fan to CN5501 Fan circuit: Q5640, Q5641, Q5642, Q5644 Touch-up the solder crack area/ Change the defective parts. • Q5860,Q5861,Q5862,TH5860 (Temperature Detect) • QR5801 & QR5802 (± 30V Detect) Feedback Circuit: IC5801, PC5720, D5725	D-AMP P.C.B. Refer to Fig. 3
Power ON for a while and then trigger "F76"	Check all supply voltages as follows: Step 1: Check for supply voltages from SMPS P.C.B. to Main P.C.B. at Pin 2, 5, 8, 9 of CN7001. If there are supply voltages, proceed to Step 2. If no Voltages detectd, check wire connection and circuitry connection from SMPS P.C.B. Step 2: Check if there is supply voltages for FL-Vp, FL+5V at PB502. Step 3: Check if there is supply voltages of +33V (D+3R3V), +5V (WL_D5V & D+5V), +11V (SP_RELAY+11V), +75V (A+7R5V) & -7.5V (A-7R5V)	Check and change the possible defective parts. • IP7001 (Fuse Protector) T7001, D7002, D7003, D7004, D7005, D7006 • IC7004 (DC-DC Converter IC) & related regulator circuit components • IC7704 (DC-DC Converter IC) & related regulator circuit components	Main P.C.B. Refer to Fig. 4

15.1.3. Part Location

15.1.3.1. SMPS P.C.B.

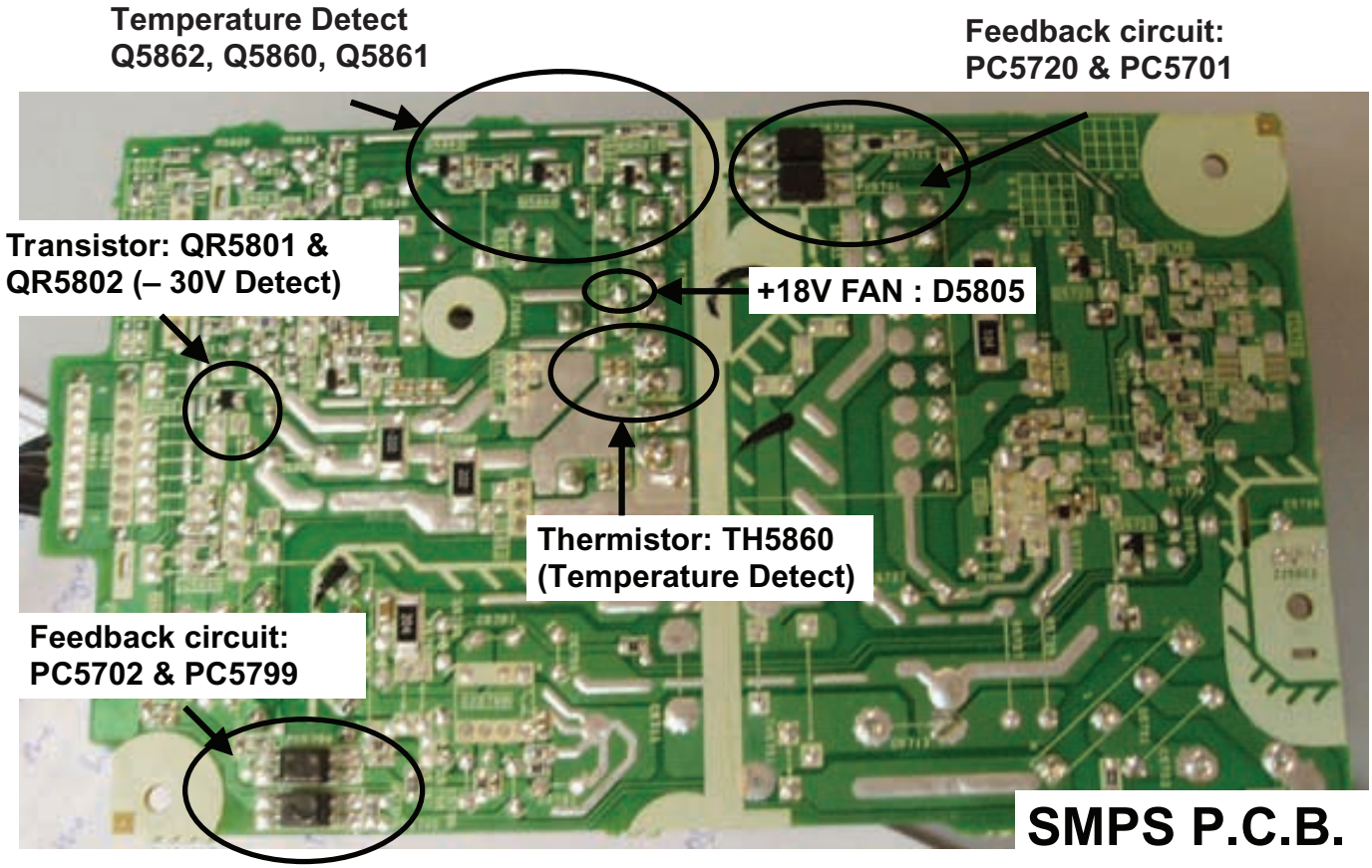


Fig. 1 SMPS P.C.B.

15.1.3.2. D-Amp A (4CH) P.C.B.

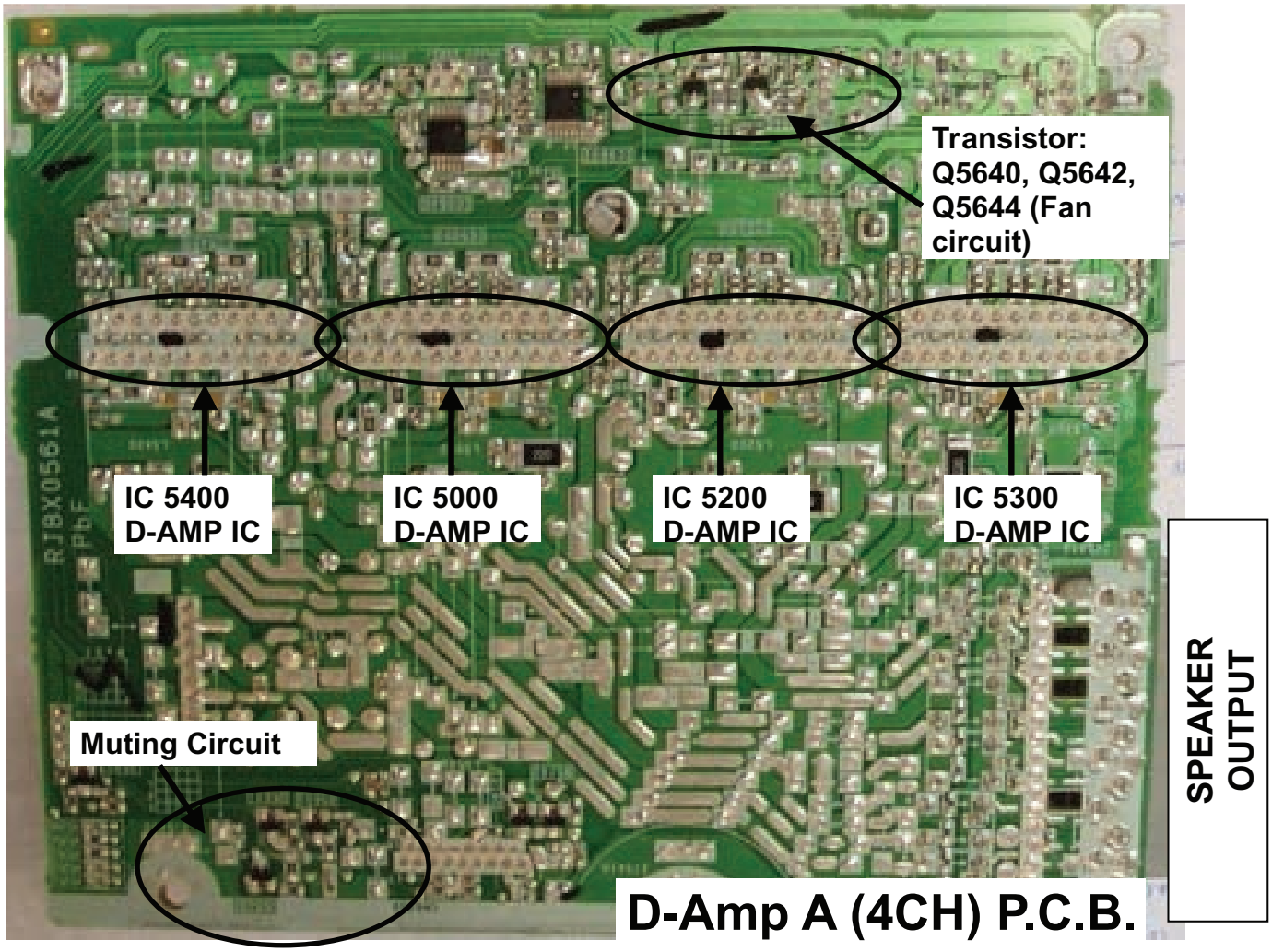


Fig. 2 D-Amp P.C.B

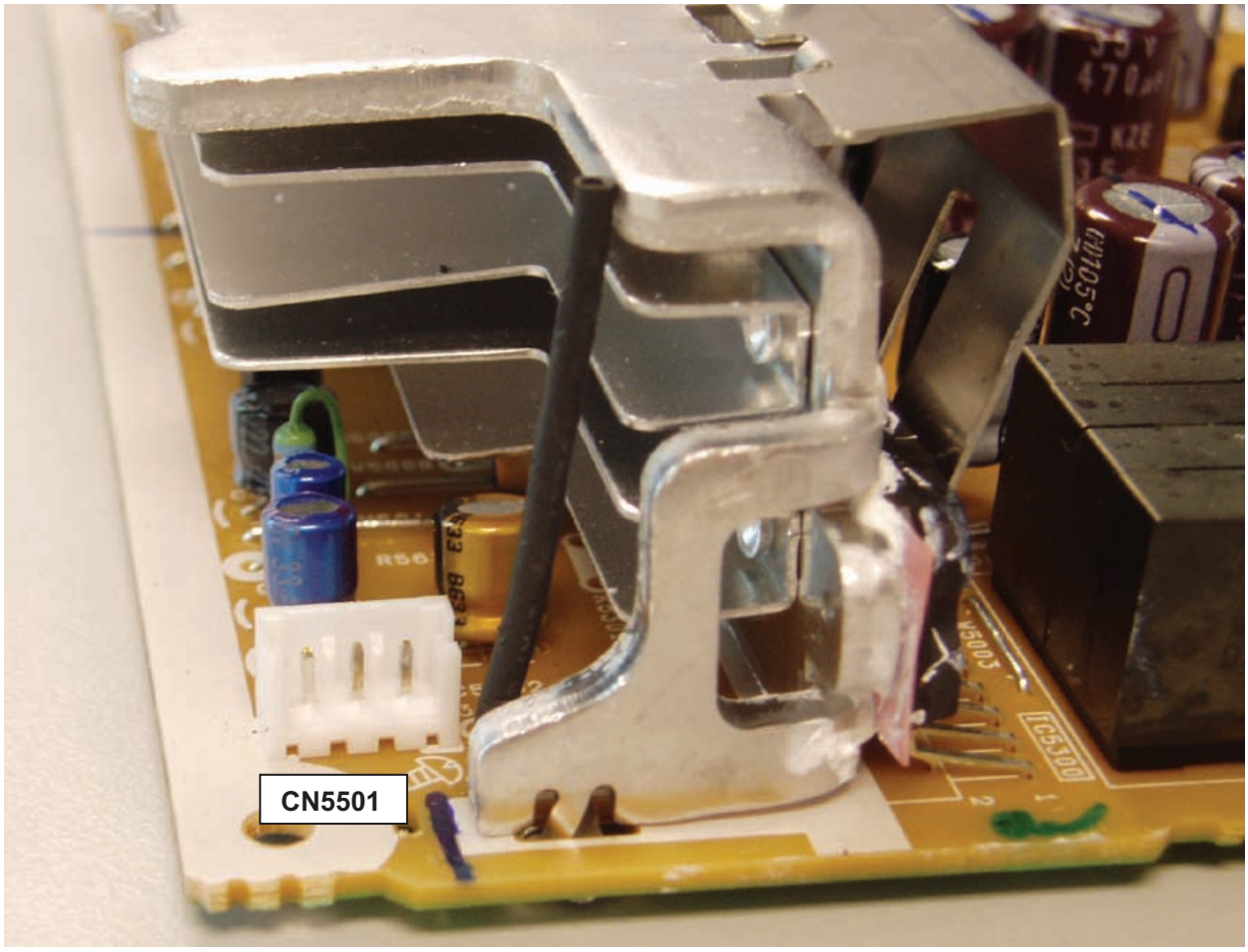
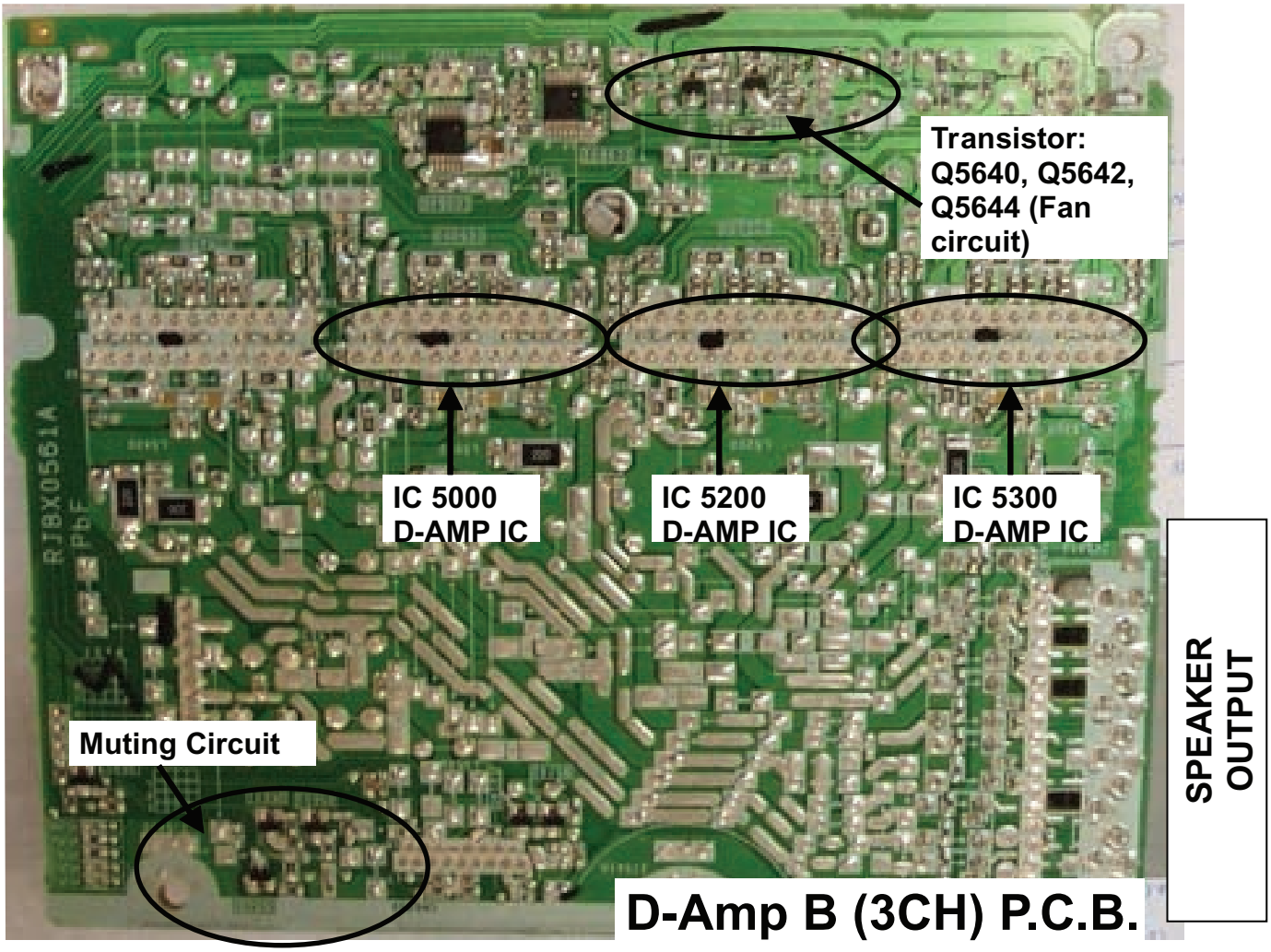


Fig. 3 Fan Connector

15.1.3.3. D-Amp B (3CH) P.C.B.



15.1.3.4. D-Amp IC Configuration of D-Amp A (4CH) P.C.B.

		BX500PP
IC5300	Pin (10)	Sub-Woofer +
	Pin (14)	Sub-Woofer -
IC5200	Pin (10)	Center +
	Pin (14)	Center -
IC5000	Pin (10)	Front Right
	Pin (14)	Front Left
IC5400	Pin (10)	Surround Right
	Pin (14)	Surround Left

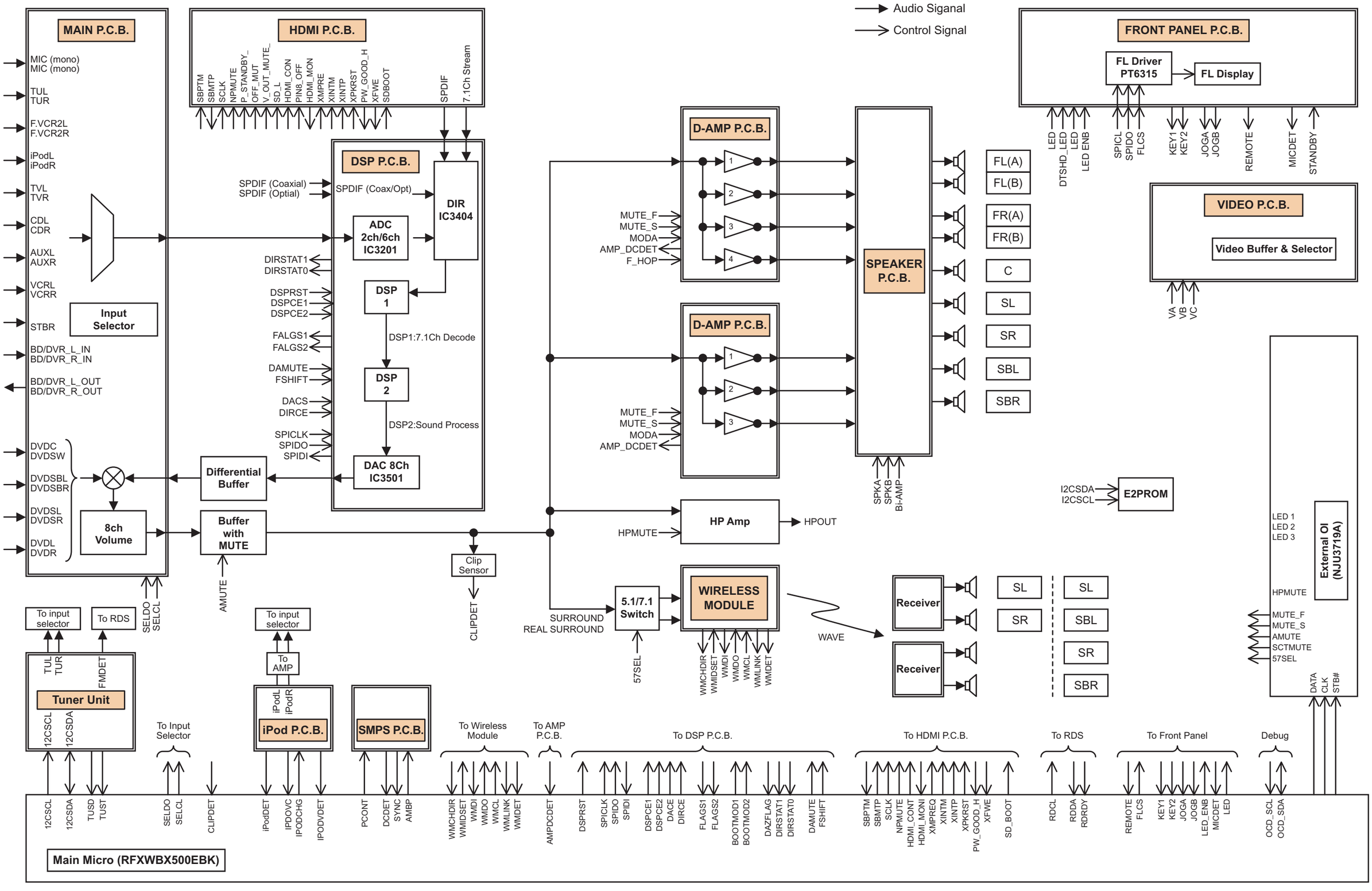
Table 1

15.1.3.5. D-Amp IC Configuration of D-Amp B (3CH) P.C.B.

		BX500PP
IC5300	Pin (10)	Sub-Woofer +
	Pin (14)	Sub-Woofer -
IC5200	Pin (10)	Center +
	Pin (14)	Center -
IC5000	Pin (10)	Front Right
	Pin (14)	Front Left

Table 1

16 Overall Simplified Block for BX500



SA-BX500PP

17 Terminal Function of IC's

17.1. IC8001 (RFXWBX500EBK): Micro-processor

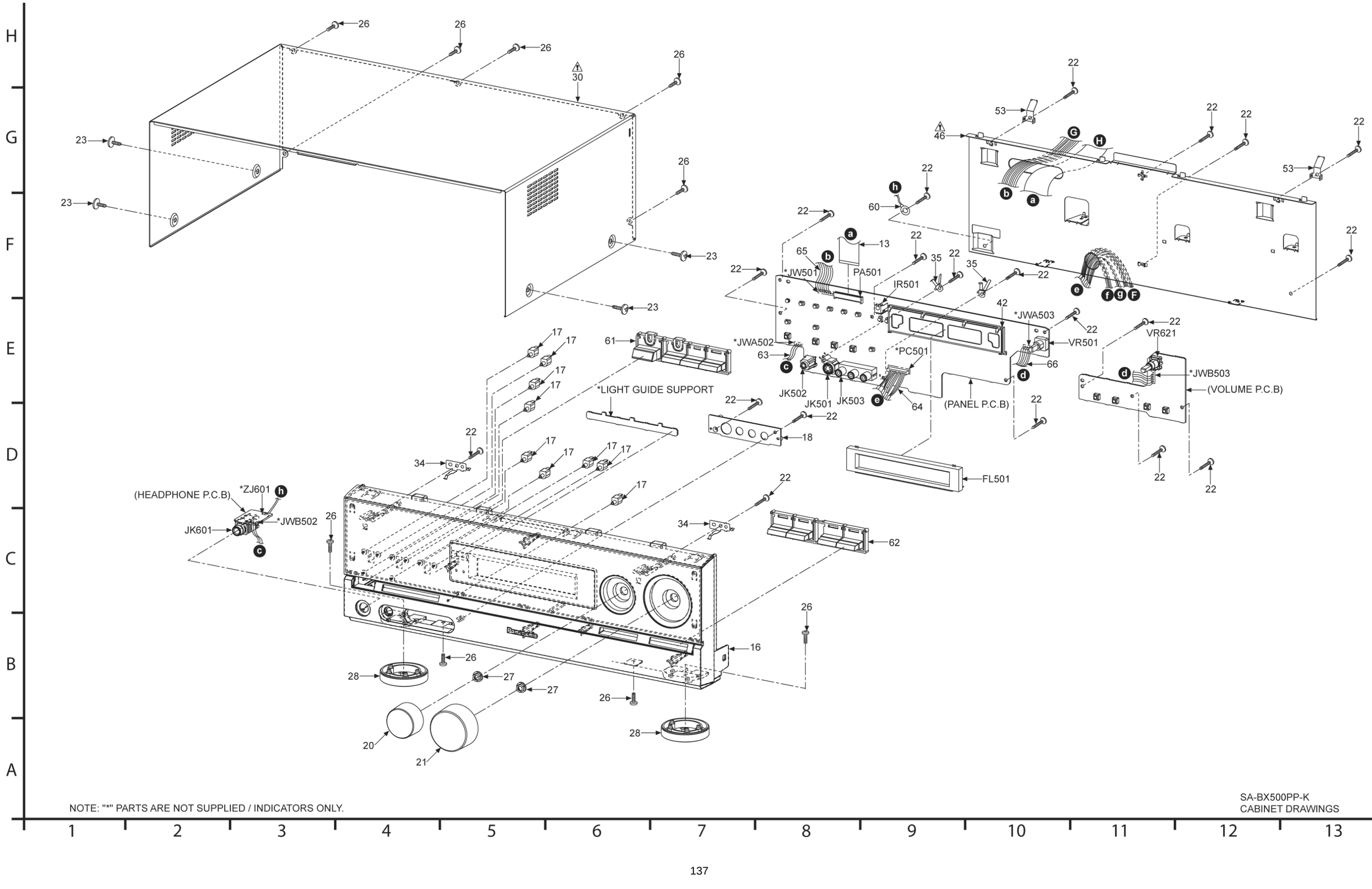
Not available at the moment.

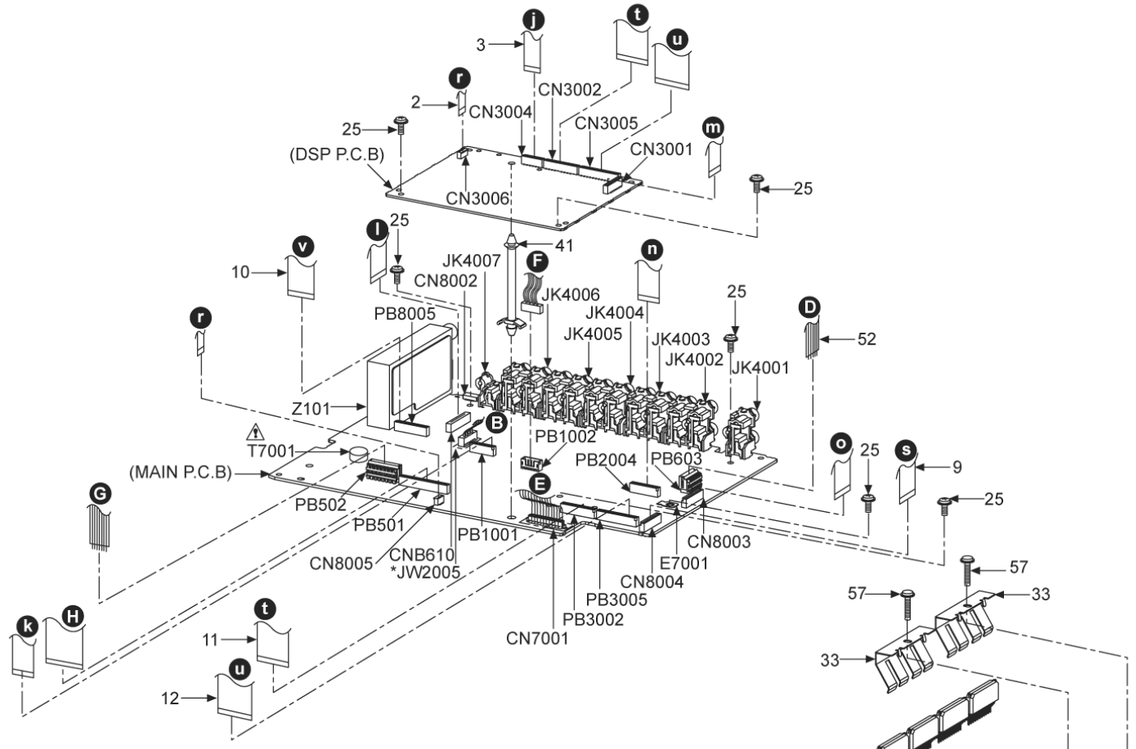
17.2. IC501 (C0HBB0000057): IC FL Driver

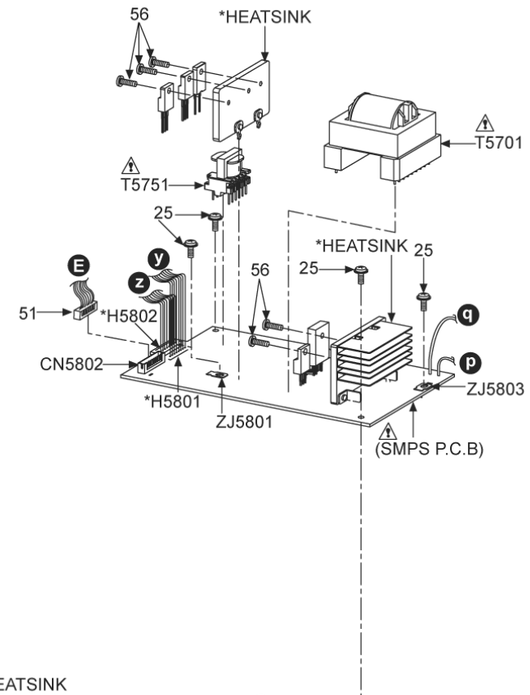
Pin No.	Terminal Name	I/O	Function
1	LED1	O	Led Drive Output
2	LED2	O	Led Drive Output
3	LED3	O	Led Drive Output
4	LED4	O	Led Drive Output
5	OSC	I	Oscillator Input
6	DOUT	O	Data Output
7	DIN	I	Data Input
8	CLK	I	Clock Input
9	STB	I	Serial Interface Strobe
10	K1	I	Key Data Input 1 (No Connection)
11	K2	I	Key Data Input 2 (No Connection)
12	VSS	-	GND
13	VDD	-	Power Supply (+5V)
14	SG1	O	Segment Output 18
15	SG2	O	Segment Output 17
16	SG3	O	Segment Output 16
17	SG4	O	Segment Output 15
18	SG5	O	Segment Output 14
19	SG6	O	Segment Output 13
20	SG7	O	Segment Output 12
21	SG8	O	Segment Output 11
22	SG9	O	Segment Output 10
23	SEG10	O	Segment Output 9
24	SEG11	O	Segment Output 8
25	SEG12	O	Segment Output 7
26	SEG13	O	Segment Output 6
27	SEG14	O	Segment Output 5
28	SEG15	O	Segment Output 4
29	SEG16	O	Segment Output 3
30	VEE	-	Voltage Supply
31	GR12	O	Grid Segment Output 12
32	GR11	O	Grid Segment Output 11
33	GR10	O	Grid Segment Output 10
34	GR9	O	Grid Segment Output 9
35	GR8	O	Grid Segment Output 8
36	GR7	O	Grid Segment Output 7
37	GR6	O	Grid Segment Output 6
38	GR5	O	Grid Segment Output 5
39	GR4	O	Grid Segment Output 4
40	GR3	O	Grid Segment Output 3
41	GR2	O	Grid Segment Output 2
42	GR1	O	Grid Segment Output 1
43	VDD	-	Voltage Supply (+5V)
44	VSS	-	GND

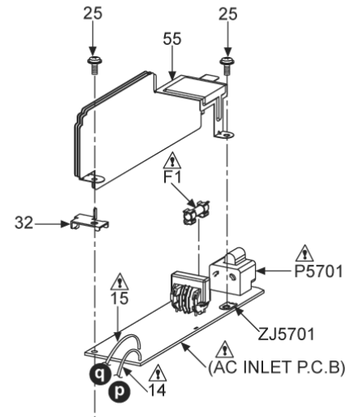
18 Exploded Views

18.1. Cabinet Parts Location



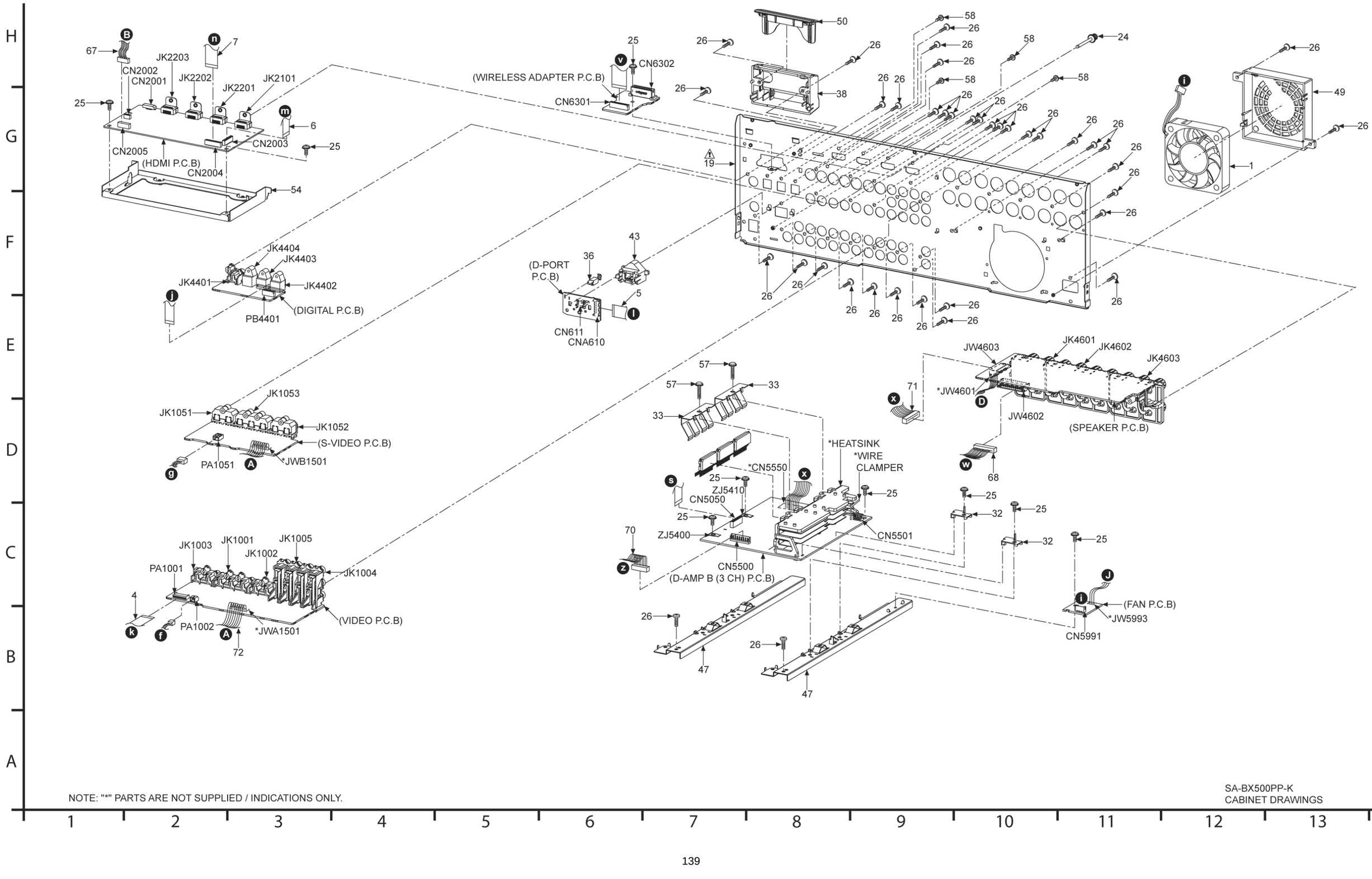






NOTE: "*" PARTS ARE NOT SUPPLIED / INDICATIONS ONLY.

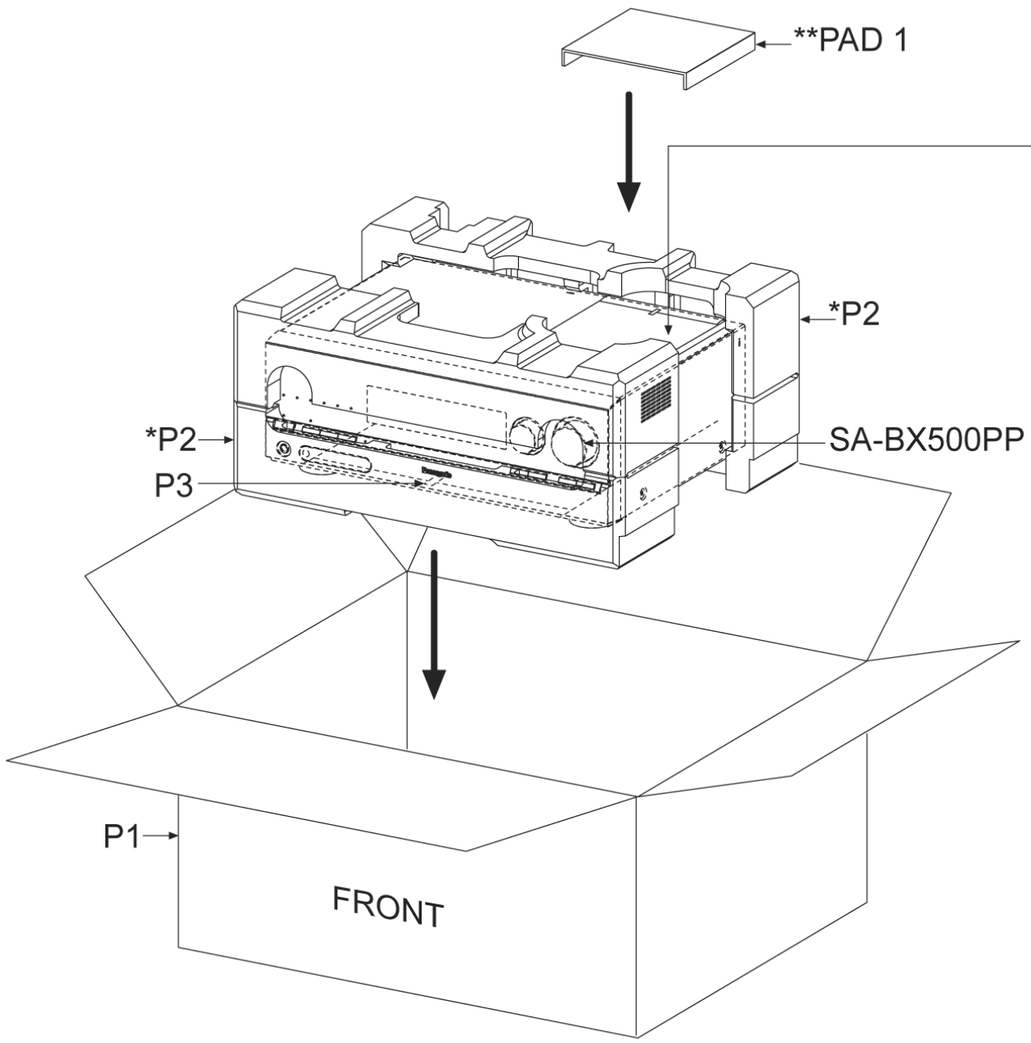
SA-BX500PP-K
CABINET DRAWINGS



NOTE: "*" PARTS ARE NOT SUPPLIED / INDICATIONS ONLY.

SA-BX500PP-K
CABINET DRAWINGS

18.2. Packaging



ACCESSORIES BAG

A1 REMOTE CONTROL

A2 AC CORD

A3 OI BOOK

A4 FM INDOOR ANTENNA

A5 AM LOOP ANTENNA

A6 SETUP MICROPHONE

A8 FRONT TERMINAL COVER

*P2 — POLYFOAM (FRONT)
*P2 — POLYFOAM (REAR)

NOTE: "*" PARTS ARE NOT SUPPLIED.

SC-BX500PP-K
PACKAGING DRAWINGS

19 Replacement Parts List

Notes:

- Important safety notice:

  Components identified by ⚠ mark have special characteristics important for safety purpose.

  Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.

  When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.
- Warning: This product uses a laser diode. Refer to caution statements.
- Resistance values are in ohms, unless specified otherwise, 1K=1,000 (OHM), 1M=1,000K (OHM).
- The parenthesized indications in the Remarks columns specify the model names and areas. (Refer to the cover page)
- The marking (RTL) indicates the retention time is limited for this item. After the discontinuation of this assembly in production, it will no longer be available.
- Parts mentioned [M] are supplied from PAVCSG.
- Parts mentioned [SPG] are supplied from PAVC.
- Reference for O/I book languages are as follows:

Ar:	Arabic	Du:	Dutch	It:	Italian	Sp:	Spanish
Cf:	Canadian French	En:	English	Ko:	Korean	Sw:	Swedish
Cz:	Czech	Fr:	French	Po:	Polish	Co:	Traditional Chinese
Da:	Danish	Ge:	German	Ru:	Russian	Cn	Simplified Chinese
Pe:	Persian	Ur:	Ukrainian	Pr:	Portuguese		

19.1. Component Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET AND CHASSIS	
1	L6FAYYYE0003	FAN UNIT	[M]
2	REE1458	10P FFC CABLE (MN-DSP)	[M]
3	REE1459	11P FFC CABLE (DIG-DSP)	[M]
4	REE1460	13P FFC CABLE (MN-VIDEO)	[M]
5	REE1461	14P FFC CABLE (MN-DPORT)	[M]
6	REE1462	15P FFC CABLE (HDMI-DSP)	[M]
7	REE1463	16P FFC CABLE (MN-HDMI)	[M]
8	REE1464	17P FFC CABLE (DAMP A-MN)	[M]
9	REE1465	17P FFC CABLE (DAMP B-MN)	[M]
10	REE1466	22P FFC CABLE (WIRELESS-MN)	[M]
11	REE1467	20P FFC CABLE (MN-DSP)	[M]
12	REE1468	24P FFC CABLE (MN-DSP)	[M]
13	REE1469	30P FFC CABLE (MN-PANEL)	[M]
14	REXX0640-J	BLACK WIRE (SMPS-AC)	[M] ⚠
15	REXX0641-J	RED WIRE (SMPS-AC)	[M] ⚠
16	RFKGBX500EEK	FRONT PANEL ASS´Y	[M]
17	RGL0537A-Q	STANDBY LIGHT GUIDE	[M]
18	RGK1738D-K	VCR ORNAMENT	[M]
19	RGR0385A-D1	REAR PANEL	[M] ⚠
20	RGW0402-K	SELECTOR KNOB	[M]
21	RGWX0092-K	VOLUME KNOB	[M]
22	RHD26046-L	SCREW	[M]
23	RHD30007-K2J	SCREW	[M]
24	RHD30070	SCREW	[M]
25	RHD30111-31	SCREW	[M]
26	RHD30119-K	SCREW	[M]
27	RHN90001-1	M9 NUT	[M]
28	RKA0079-H	SET LEG	[M]
29	RKA0202A-K	SET LEG	[M]
30	RKM0603-K	TOP CABINET	[M] ⚠
32	RMAX0118-1	PCB BRACKET	[M]
33	RMC0465	TR SPRING	[M]
34	RMC0702	AL EARTH ANGLE	[M]
35	RMC0709	VCR EARTH ANGLE	[M]
36	RMCX0047	GROUND SPRING	[M]
37	RMG0539-K	LEG FELT	[M]
38	RMKX0127-K1	TRANSMITTER CHASSIS	[M]
39	RMKX0144C-3	BOTTOM CABINET	[M]
40	RMN0906	MAIN PCB SUPPORT	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
41	RMN0907	DSP PCB SUPPORT	[M]
42	RMNV0065	FL HOLDER	[M]
43	RMNX0231-1	D-PORT COVER	[M]
46	RMQ1663	FRONT SHIELD	[M]
47	RMQ1664	SUPPORT BAR	[M]
48	RMQ1665	WASHER	[M]
49	RMQ1671	FAN COVER	[M]
50	RMVX0109-K1	TRANSMITTER CHASSIS COVER	[M]
51	REX1297	11P WIRE (MN-SMPS;W5802)	[M]
52	RWJ1805145SQ	5P WIRE (SPK-MN;JW4601)	[M]
53	RSC0734	PANEL EARTH PLATE	[M]
54	RSCV0082	HDMI SUPPORT CHASSIS	[M]
55	RXQX0076	AC-IN SHIELD UNIT	[M]
56	XTB3+10JFJ	SCREW	[M]
57	XTW3+8TFJ	SCREW	[M]
58	XYN3+C8FJK	SCREW	[M]
59	RXQX0041	CUSHION ASS´Y	[M]
60	REX1199	WIRE (HP-SHIELD; ZJ601)	[M]
61	RGU2591A-K	POWER BUTTON	[M]
62	RGU2592-K	MENU BUTTON	[M]
63	RWJ1803060SS	3P WIRE (PAN-HP;JWA502)	[M]
64	REX1296	10P WIRE (PAN-MN/VID/S-VID;PC501)	[M]
65	RWJ1807200SQ	7P WIRE (PAN-MN;JW501)	[M]
66	RWJ1805120SS	5P WIRE (PAN-VOL;JWA503)	[M]
67	REX1294	7P WIRE (MN-HDMI;JW2005)	[M]
68	REX1298	12P WIRE (DAMP A-SPK;CN5550)	[M]
69	REXX0651	8P WIRE (SMPS-DAMP A;H5801)	[M]
70	REXX0651	8P WIRE (SMPS-DAMP B;H5802)	[M]
71	REX1295	9P WIRE (DAMP B-SPK;CN5550)	[M]
72	RWJ1808150SS	8P WIRE (VID-SVID;JWA1501)	[M]
73	REX1335	3P WIRE (DAMP A-FAN;JW5993)	[M]
		PACKING MATERIALS	
P1	RPG8571-1	PACKING CASE	[M]
P2	RPN2064	POLYFOAM	[M]
P3	RPF0477	MIRAMAT	[M]
		ACCESSORIES	

Ref. No.	Part No.	Part Name & Description	Remarks
A1	N2QAKB000069	REMOTE CONTROL	[M]
A1-1	RKK-NC9GCS	R/C BATTERY COVER	[M]
A2	K2CB2CB00021	AC CORD	[M] ⚠
A3	RQT9223-Y	O/I BOOK	[M]
A4	RSA0007-M	FM INDOOR ANTENNA	[M]
A5	N1DAAAA00002	AM LOOP ANTENNA	[M]
A6	L0CBAB000128	SETUP MICROPHONE	[M]
A8	RGK2137A-K	FRONT TERMINAL COVER	[M]
		PRINTED CIRCUIT BOARDS	
PCB1	REP4337B-M	MAIN P.C.B.	[M] (RTL)
PCB2	REP4338B-S	PANEL P.C.B	[M] (RTL)
PCB3	REP4338B-S	S-VIDEO P.C.B	[M] (RTL)
PCB4	REP4337B-M	D-PORT P.C.B	[M] (RTL)
PCB5	REP4338B-S	HEADPHONE P.C.B.	[M] (RTL)
PCB6	REP4338B-S	DIGITAL P.C.B.	[M] (RTL)
PCB7	REP4338B-S	VIDEO P.C.B.	[M] (RTL)
PCB8	REP4338B-S	SPEAKER P.C.B.	[M] (RTL)
PCB9	REP4338B-S	VALUME P.C.B.	[M] (RTL)
PCB10	REP4338B-S	WIRELESS ADAPTER P.C.B.	[M] (RTL)
PCB11	REP4338B-S	FAN P.C.B.	[M] (RTL)
PCB12	REP4369B	DSP P.C.B	[M] (RTL)
PCB13	REP4392A-T	HDMI P.C.B	[M] (RTL)
PCB14	REPX0621J	D-AMP A (4CH) P.C.B.	[M] (RTL)
PCB15	REPX0621K	D-AMP B (3CH) P.C.B.	[M] (RTL)
PCB16	REPX0622Q	SMPS P.C.B	[M] (RTL) ⚠
PCB17	REPX0622Q	AC INLET P.C.B.	[M] (RTL) ⚠
		INTEGRATED CIRCUITS	
IC101	C0DBZHG00047	IC VOLTAGE REGULATOR	[M]
IC501	C0HBB0000057	IC FL DISPLAY DRIVER	[M]
IC502	C0ABBB000125	IC MIC AMP	[M]
IC1001	C0DBZYE00002	IC USB HIGH SPEED SWITCH	[M]
IC1001	C1AB00001931	IC VIDEO SWITCH	[M]
IC1002	C1AB00002029	IC VIDEO AMP	[M]
IC1003	C1AB00001486	IC VIDEO SWITCH	[M]
IC1051	C1AB00001931	IC VIDEO SWITCH	[M]
IC1052	C1AB00001931	IC VIDEO SWITCH	[M]
IC1053	C1AB00001486	IC VIDEO SWITCH	[M]
IC1054	C1AB00001340	IC VIDEO SWITCH	[M]
IC1102	C0ABBB000189	IC OP-AMP	[M]
IC2001	C0EBE0000338	IC RESET	[M]
IC2002	C2CBJH000147	IC MICRO-PROCESSOR	[M]
IC2004	C0CBCBG00013	IC +3.3V REGULATOR	[M]
IC2005	C0CBCBC00049	IC VOLTAGE REGULATOR	[M]
IC2006	C0JBAZ001466	IC LOGIC (BUFFER)	[M]
IC2101	C1AB00002975	IC HDMI TRANSMITTER	[M]
IC2102	C0CBCAG00015	IC +1.8V REGULATOR	[M]
IC2201	C1AB00002977	IC HDMI RECEIVER	[M]
IC2232	C1AB00002989	IC HDMI RECEIVER	[M]
IC2233	C0CBCAG00015	IC +1.8V REGULATOR	[M]
IC3001	C2HBZY000027	IC DIGITAL SIGNAL PROCESSOR	[M]
IC3002	RFKWFDE001AA	IC FLASH ROM	[M]
IC3003	C3ABMG000238	IC SDRAM	[M]
IC3004	C3ABMG000238	IC SDRAM	[M]
IC3101	C2HBZY000028	IC DIGITAL SIGNAL PROCESSOR	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
IC3102	RFKWFDE002AA	IC FLASH ROM	[M]
IC3103	C3ABMG000238	IC SDRAM	[M]
IC3104	C3ABMG000238	IC SDRAM	[M]
IC3201	C0FBAK000026	IC A/D CONVERTER	[M]
IC3401	C0JBAB000661	IC INVERTER	[M]
IC3402	C0JBAB000661	IC INVERTER	[M]
IC3403	C0JBAR000434	IC 2 CHANNEL MULTIPLEXER	[M]
IC3404	C1BB00000692	IC DIGITAL AUDIO TRANSCEIVER	[M]
IC3501	C0FBBK000044	IC D/A CONVERTER	[M]
IC3551	C0JBAZ002811	IC BUS BUFFER	[M]
IC3601	C0DBAKG00007	IC DC-DC CONVERTER	[M]
IC3602	C0DBZYY00018	IC D+3.3V REGULATOR	[M]
IC4001	C1AB00002951	IC 7.1 CH SOUND PROCESSOR	[M]
IC4005	C0ABBB000125	IC OP-AMP (FRONT IN)	[M]
IC4006	C0ABBB000125	IC OP-AMP (SURROUND IN)	[M]
IC4007	C0ABBB000125	IC OP-AMP (SUBWOOFER/CENTER IN)	[M]
IC4008	C0ABBB000125	IC OP-AMP (SURROUND BACK IN)	[M]
IC4009	C0ABBB000125	IC OP-AMP (FRONT OUT)	[M]
IC4010	C0ABBB000125	IC OP-AMP (SURROUND OUT)	[M]
IC4011	C0ABBB000125	IC OP-AMP (CENTER OUT)	[M]
IC4012	C0ABBB000125	IC OP-AMP (SURROUND BACK OUT)	[M]
IC4014	C0ABBB000125	IC OP-AMP (SUBWOOFER OUT/CENTER BUFFER)	[M]
IC4015	C0ABBB000125	IC OP-AMP (WIRELESS FRONT BUFFER)	[M]
IC4050	C0ABBB000038	IC OP-AMP (BUFFER)	[M]
IC4051	C0DBEKG00004	IC LOW DROP OUT REGULATOR	[M]
IC4261	C0ABBB000038	IC OP-AMP (SURROUND OUT 2CH)	[M]
IC4301	C0AABB000085	IC HEADPHONE AMP	[M]
IC4303	C0ABBB000125	IC CLIP SENSING AMP	[M]
IC4304	C0ABBB000125	IC OP-AMP (WIRELESS SURROUND)	[M]
IC4305	C0ABBB000125	IC OP-AMP (WIRELESS SURROUND BACK)	[M]
IC4401	C0JBAB000685	IC INVERTER	[M]
IC4404	C0ABBB000125	IC OP-AMP (WIRELESS FRONT)	[M]
IC4405	C0JBAS000008	IC QUADRUPPLE ANALOG SWITCH	[M]
IC5000	C1BA00000487	IC AUDIO DIGITAL POWER AMP	[M]
IC5200	C1BA00000487	IC AUDIO DIGITAL POWER AMP	[M]
IC5300	C1BA00000487	IC AUDIO DIGITAL POWER AMP	[M]
IC5400	C1BA00000487	IC AUDIO DIGITAL POWER AMP	[M]
IC5500	C0JBAB000902	IC INVERTER GATE (CLOCK GENERATOR)	[M]
IC5501	C0JBAF000716	IC D-TYPE FLIP-FLOP	[M]
IC5701	C5HACYY00004	IC SWITCHING REGULATOR	[M]
IC5799	MIP4110MSSCF	IC SWITCHING REGULATOR	[M]
IC5801	C0DABFC00002	IC SHUNT REGULATOR	[M]
IC5899	C0DAEMZ00001	IC SHUNT REGULATOR	[M]
IC7002	C0CBABC00117	IC BK+3.3V REGULATOR	[M]
IC7003	C0CBABC00117	IC D+3.3V REGULATOR	[M]
IC7004	C0DBAYH00005	IC SWITCHING REGULATOR	[M]
IC7022	C0DBAYH00005	IC SWITCHING REGULATOR	[M]
IC7704	C0DBAYH00005	IC SWITCHING REGULATOR	[M]
IC7722	C0DBAYH00005	IC SWITCHING REGULATOR	[M]
IC7723	C0CBCDC00014	IC HDMI+5V REGULATOR	[M]
IC8001	RFKWBX500EBK	IC MICRO-PROCESSOR	[M]
IC8002	C0EBE0000242	IC SYSTEM RESET	[M]
IC8004	C0JBAZ002843	IC 24BIT SERIAL PARALLEL CONVERTER	[M]
		TRANSISTORS	
Q501	B1GFGCAA0001	TRANSISTOR	[M]
Q1001	2SD0592AWA	TRANSISTOR	[M]
Q1002	2SB0621AHA	TRANSISTOR	[M]
Q1003	2SC3311ARA	TRANSISTOR	[M]
Q1102	B1ADCF000001	TRANSISTOR	[M]
Q1103	B1ADCF000001	TRANSISTOR	[M]
Q2101	B1ABCF000079	TRANSISTOR	[M]
Q2102	B1ABCF000079	TRANSISTOR	[M]
Q2103	B1ABCF000079	TRANSISTOR	[M]
Q2104	B1ABCF000079	TRANSISTOR	[M]
Q2105	B1ABCF000079	TRANSISTOR	[M]
Q2231	B1HBCFA00003	TRANSISTOR	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
Q2232	B1CFGD000002	TRANSISTOR	[M]
Q2233	B1HBCFA00003	TRANSISTOR	[M]
Q2234	B1CFGD000002	TRANSISTOR	[M]
Q2235	B1CFGD000002	TRANSISTOR	[M]
Q2236	B1CFGD000002	TRANSISTOR	[M]
Q3601	B1DHDD000029	TRANSISTOR	[M]
Q4001	B1GFGCAA0001	TRANSISTOR	[M]
Q4008	B1GFGCAA0001	TRANSISTOR	[M]
Q4009	B1GFGCAA0001	TRANSISTOR	[M]
Q4010	B1GFGCAA0001	TRANSISTOR	[M]
Q4011	B1GFGCAA0001	TRANSISTOR	[M]
Q4012	B1GFGCAA0001	TRANSISTOR	[M]
Q4014	B1GFGCAA0001	TRANSISTOR	[M]
Q4301	B1GFGCAA0001	TRANSISTOR	[M]
Q4302	B1GFGCAA0001	TRANSISTOR	[M]
Q4304	B1GFGCAA0001	TRANSISTOR	[M]
Q4305	B1GFGCAA0001	TRANSISTOR	[M]
Q4404	B1GFGCAA0001	TRANSISTOR	[M]
Q4601	B1ABGC000001	TRANSISTOR	[M]
Q4602	B1ABGC000001	TRANSISTOR	[M]
Q4603	B1ABGC000001	TRANSISTOR	[M]
Q4604	B1ABGC000001	TRANSISTOR	[M]
Q5101	B1ABCF000176	TRANSISTOR	[M]
Q5102	B1ABCF000176	TRANSISTOR	[M]
Q5601	B1ABCF000176	TRANSISTOR	[M]
Q5602	B1ABCF000176	TRANSISTOR	[M]
Q5603	B1ADCE000012	TRANSISTOR	[M]
Q5604	B1ABCF000176	TRANSISTOR	[M]
Q5640	B1BACD000018	TRANSISTOR	[M]
Q5641	2SC584500L	TRANSISTOR	[M]
Q5642	2SC584500L	TRANSISTOR	[M]
Q5644	2SC584500L	TRANSISTOR	[M]
Q5720	2SC3940ARA	TRANSISTOR	[M]
Q5721	2SA207700L	TRANSISTOR	[M]
Q5722	B1ABCF000176	TRANSISTOR	[M]
Q5802	B1ABCF000176	TRANSISTOR	[M]
Q5803	2SC3940ARA	TRANSISTOR	[M]
Q5860	2SA207700L	TRANSISTOR	[M]
Q5861	B1ABCF000176	TRANSISTOR	[M]
Q5862	B1ABCF000176	TRANSISTOR	[M]
Q5898	B1ABCF000176	TRANSISTOR	[M]
Q7001	B1BABK000001	TRANSISTOR	[M]
Q7004	2SB0621AHA	TRANSISTOR	[M]
Q7005	B1ADCF000001	TRANSISTOR	[M]
Q7006	2SC3940ARA	TRANSISTOR	[M]
Q7007	B1ABCF000011	TRANSISTOR	[M]
Q69831	2SB0621AHA	TRANSISTOR	[M]
QR501	UNR521M00L	TRANSISTOR	[M]
QR502	UNR521M00L	TRANSISTOR	[M]
QR503	B1GBCFJN0004	TRANSISTOR	[M]
QR504	B1GBCFJN0004	TRANSISTOR	[M]
QR505	B1GBCFJN0004	TRANSISTOR	[M]
QR506	B1GBCFJN0004	TRANSISTOR	[M]
QR507	B1GBCFJN0004	TRANSISTOR	[M]
QR508	B1GBCFJN0004	TRANSISTOR	[M]
QR509	B1GBCFJN0004	TRANSISTOR	[M]
QR510	B1GBCFJN0004	TRANSISTOR	[M]
QR511	B1GBCFJN0004	TRANSISTOR	[M]
QR512	B1GBCFJN0004	TRANSISTOR	[M]
QR513	B1GBCFJN0004	TRANSISTOR	[M]
QR1101	B1GBCFJJ0007	TRANSISTOR	[M]
QR1102	B1GBCFJJ0007	TRANSISTOR	[M]
QR2001	B1GBCFJJ0007	TRANSISTOR	[M]
QR2002	B1GBCFJJ0007	TRANSISTOR	[M]
QR2231	B1GBCFJJ0007	TRANSISTOR	[M]
QR2232	B1GBCFJJ0007	TRANSISTOR	[M]
QR3401	B1GDCFJN0001	TRANSISTOR	[M]
QR3601	B1GBCFJJ0001	TRANSISTOR	[M]
QR4009	B1GDCFJJ0008	TRANSISTOR	[M]
QR4010	B1GDCFJJ0008	TRANSISTOR	[M]
QR4011	B1GDCFJJ0008	TRANSISTOR	[M]
QR4012	B1GDCFJJ0008	TRANSISTOR	[M]
QR4013	B1GDCFJJ0008	TRANSISTOR	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
QR4014	B1GBCFJJ0007	TRANSISTOR	[M]
QR4304	B1GDCFJJ0008	TRANSISTOR	[M]
QR4305	B1GDCFJJ0008	TRANSISTOR	[M]
QR4306	B1GBCFJJ0007	TRANSISTOR	[M]
QR4401	B1GBCFNN0009	TRANSISTOR	[M]
QR4402	B1GDCFNN0007	TRANSISTOR	[M]
QR4403	B1GBCFNN0009	TRANSISTOR	[M]
QR5801	UNR221400L	TRANSISTOR	[M]
QR5810	B1GBCFLL0037	TRANSISTOR	[M]
QR5991	B1GBCFJN0004	TRANSISTOR	[M]
QR7001	B1GBCFGG0011	TRANSISTOR	[M]
QR7105	B1GBCFNN0009	TRANSISTOR	[M]
QR7106	B1GBCFNN0009	TRANSISTOR	[M]
QR7109	B1GBCFNN0009	TRANSISTOR	[M]
QR8011	B1GDCFGG0005	TRANSISTOR	[M]
QR8012	B1GDCFGG0005	TRANSISTOR	[M]
QR8017	B1GBCFJJ0007	TRANSISTOR	[M]
		DIODES	
D103	B0ACCK000005	DIODE	[M]
D501	B3AAA0000489	DIODE	[M]
D502	B3ABA0000187	DIODE	[M]
D504	B3AAA0000487	DIODE	[M]
D505	B3AAA0000487	DIODE	[M]
D506	B3AEA0000058	DIODE	[M]
D507	B0BC8R100004	DIODE	[M]
D508	B3ABA0000187	DIODE	[M]
D509	B3ADA0000087	DIODE	[M]
D510	B3ADA0000087	DIODE	[M]
D511	B3ADA0000087	DIODE	[M]
D512	B3ADA0000087	DIODE	[M]
D513	B3ABA0000187	DIODE	[M]
D1001	MA2J11100L	DIODE	[M]
D1002	MA2J11100L	DIODE	[M]
D1003	MA2J11100L	DIODE	[M]
D1004	MAZ80560ML	DIODE	[M]
D1005	MAZ80560ML	DIODE	[M]
D1051	MA2J11100L	DIODE	[M]
D1052	MA2J11100L	DIODE	[M]
D2001	MA2J72800L	DIODE	[M]
D2002	MA2J72800L	DIODE	[M]
D2003	B0ACCK000005	DIODE	[M]
D2004	B0ACCK000005	DIODE	[M]
D2005	B0ACCK000005	DIODE	[M]
D2006	B0ACCK000005	DIODE	[M]
D2007	MA2J72800L	DIODE	[M]
D2008	MA2J72800L	DIODE	[M]
D2101	MA2J72800L	DIODE	[M]
D2201	B0ACCK000005	DIODE	[M]
D2202	B0ACCK000005	DIODE	[M]
D3501	MA2J11100L	DIODE	[M]
D3506	MA2J11100L	DIODE	[M]
D3601	B0JCPD000021	DIODE	[M]
D3602	B0ECKM000016	DIODE	[M]
D3603	MAZ802400L	DIODE	[M]
D3604	MAZ80510ML	DIODE	[M]
D4001	B0ACCK000005	DIODE	[M]
D4251	B0ACCK000005	DIODE	[M]
D4304	B0ACCK000005	DIODE	[M]
D4305	B0ACCK000005	DIODE	[M]
D4306	B0ACCK000005	DIODE	[M]
D4307	B0ACCK000005	DIODE	[M]
D4371	B0ACCK000005	DIODE	[M]
D4372	B0ACCK000005	DIODE	[M]
D4601	B0ACCK000005	DIODE	[M]
D4602	B0ACCK000005	DIODE	[M]
D4603	B0ACCK000005	DIODE	[M]
D4604	B0ACCK000005	DIODE	[M]
D4605	B0ACCK000005	DIODE	[M]
D4606	B0ACCK000005	DIODE	[M]
D5001	B0HCMM000019	DIODE	[M]
D5002	B0HCMM000019	DIODE	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
D5003	B0HCMM000019	DIODE	[M]
D5004	B0HCMM000019	DIODE	[M]
D5201	B0HCMM000019	DIODE	[M]
D5202	B0HCMM000019	DIODE	[M]
D5203	B0HCMM000019	DIODE	[M]
D5204	B0HCMM000019	DIODE	[M]
D5301	B0HCMM000019	DIODE	[M]
D5302	B0HCMM000019	DIODE	[M]
D5303	B0HCMM000019	DIODE	[M]
D5304	B0HCMM000019	DIODE	[M]
D5401	B0HCMM000019	DIODE	[M]
D5402	B0HCMM000019	DIODE	[M]
D5403	B0HCMM000019	DIODE	[M]
D5404	B0HCMM000019	DIODE	[M]
D5501	MA2J11100L	DIODE	[M]
D5502	MA2J11100L	DIODE	[M]
D5503	MAZ80560ML	DIODE	[M]
D5640	MAZ81200ML	DIODE	[M]
D5643	MA2J11100L	DIODE	[M]
D5644	MA2J11100L	DIODE	[M]
D5645	MA2J11100L	DIODE	[M]
D5701	B0FBAR000041	DIODE	[M]
D5702	B0ZAZ0000052	DIODE	[M]
D5721	MAZ81800ML	DIODE	[M]
D5722	B0BC019A0007	DIODE	[M]
D5723	MA2J11100L	DIODE	[M]
D5724	MA2J11100L	DIODE	[M]
D5725	B0BC6R100010	DIODE	[M]
D5726	B0EAKM000117	DIODE	[M]
D5727	MA2J11100L	DIODE	[M]
D5728	MA2J11100L	DIODE	[M]
D5729	B0EAMM000057	DIODE	[M]
D5730	MA2YF8000L	DIODE	[M]
D5731	B0EAMM000057	DIODE	[M]
D5732	B0BC035A0007	DIODE	[M]
D5793	B0HAMP000094	DIODE	[M]
D5797	MA2J72800L	DIODE	[M]
D5798	B0EAMM000057	DIODE	[M]
D5801	B0HBSM000043	DIODE	[M]
D5802	B0HBSM000043	DIODE	[M]
D5803	B0HFRJ000012	DIODE	[M]
D5804	B0EAMM000057	DIODE	[M]
D5805	B0EAMM000057	DIODE	[M]
D5806	MAZ80750ML	DIODE	[M]
D5807	MA2J11100L	DIODE	[M]
D5809	MA2J11100L	DIODE	[M]
D5896	B0EAMM000057	DIODE	[M]
D5991	B0ACCK000005	DIODE	[M]
D7001	MAZ81800ML	DIODE	[M]
D7002	MAZ81800ML	DIODE	[M]
D7003	MAZ83000HL	DIODE	[M]
D7004	MAZ802400L	DIODE	[M]
D7005	B0JCMD000010	DIODE	[M]
D7006	B0JAME000029	DIODE	[M]
D7013	B0ACCK000005	DIODE	[M]
D7014	B0ACCK000005	DIODE	[M]
D7017	B0ACCK000005	DIODE	[M]
D7018	B0ACCK000005	DIODE	[M]
D7020	B0ACCK000005	DIODE	[M]
D7021	B0ACCK000005	DIODE	[M]
D7022	B0JCPG000005	DIODE	[M]
D7023	MAZ82700LL	DIODE	[M]
D7024	MAZ80750ML	DIODE	[M]
D7027	B0JCPG000005	DIODE	[M]
D7028	B0ACCK000005	DIODE	[M]
D7031	MAZ80820ML	DIODE	[M]
D7036	MAZ80680ML	DIODE	[M]
D7037	MAZ81000HL	DIODE	[M]
D7038	MAZ81300HL	DIODE	[M]
D7722	B0JCPG000005	DIODE	[M]
D7726	B0JAME000029	DIODE	[M]
D7727	B0JCPG000005	DIODE	[M]
D8011	B0ACCK000005	DIODE	[M]
D8012	B0ACCK000005	DIODE	[M]
D8013	B0ACCK000005	DIODE	[M]
D8014	B0ACCK000005	DIODE	[M]
DZ5701	ERZV10V511CS	ZNR	[M] ⚠
		VARISTORS	
VA2101	EZAEG2A50AX	ESD SUPRESSOR	[M]
VA2102	EZAEG2A50AX	ESD SUPRESSOR	[M]
VA2103	EZAEG2A50AX	ESD SUPRESSOR	[M]
VA2104	EZAEG2A50AX	ESD SUPRESSOR	[M]
VA2105	EZAEG2A50AX	ESD SUPRESSOR	[M]
VA2106	EZAEG2A50AX	ESD SUPRESSOR	[M]
VA2107	EZAEG2A50AX	ESD SUPRESSOR	[M]
VA2108	EZAEG2A50AX	ESD SUPRESSOR	[M]
VA2109	EZJZ0V80008B	VARISTOR	[M]
VA2110	EZJZ0V80008B	VARISTOR	[M]
VA2111	EZJZ0V80008B	VARISTOR	[M]
VA2112	EZJZ0V80008B	VARISTOR	[M]
VA2113	EZJZ0V80008B	VARISTOR	[M]
VA2201	EZAEG2A50AX	ESD SUPRESSOR	[M]
VA2202	EZAEG2A50AX	ESD SUPRESSOR	[M]
VA2203	EZAEG2A50AX	ESD SUPRESSOR	[M]
VA2204	EZAEG2A50AX	ESD SUPRESSOR	[M]
VA2205	EZAEG2A50AX	ESD SUPRESSOR	[M]
VA2206	EZAEG2A50AX	ESD SUPRESSOR	[M]
VA2207	EZAEG2A50AX	ESD SUPRESSOR	[M]
VA2208	EZAEG2A50AX	ESD SUPRESSOR	[M]
VA2209	EZJZ0V80008B	VARISTOR	[M]
VA2210	EZJZ0V80008B	VARISTOR	[M]
VA2211	EZJZ0V80008B	VARISTOR	[M]
VA2212	EZJZ0V80008B	VARISTOR	[M]
VA2213	EZAEG2A50AX	ESD SUPRESSOR	[M]
VA2214	EZAEG2A50AX	ESD SUPRESSOR	[M]
VA2215	EZAEG2A50AX	ESD SUPRESSOR	[M]
VA2216	EZAEG2A50AX	ESD SUPRESSOR	[M]
VA2217	EZAEG2A50AX	ESD SUPRESSOR	[M]
VA2218	EZAEG2A50AX	ESD SUPRESSOR	[M]
VA2219	EZAEG2A50AX	ESD SUPRESSOR	[M]
VA2220	EZAEG2A50AX	ESD SUPRESSOR	[M]
VA2221	EZJZ0V80008B	VARISTOR	[M]
VA2222	EZJZ0V80008B	VARISTOR	[M]
VA2223	EZJZ0V80008B	VARISTOR	[M]
VA2224	EZJZ0V80008B	VARISTOR	[M]
VA2231	EZAEG2A50AX	ESD SUPRESSOR	[M]
VA2232	EZAEG2A50AX	ESD SUPRESSOR	[M]
VA2233	EZAEG2A50AX	ESD SUPRESSOR	[M]
VA2234	EZAEG2A50AX	ESD SUPRESSOR	[M]
VA2235	EZAEG2A50AX	ESD SUPRESSOR	[M]
VA2236	EZAEG2A50AX	ESD SUPRESSOR	[M]
VA2237	EZAEG2A50AX	ESD SUPRESSOR	[M]
VA2238	EZAEG2A50AX	ESD SUPRESSOR	[M]
VA2239	EZJZ0V80008B	VARISTOR	[M]
VA2240	EZJZ0V80008B	VARISTOR	[M]
VA2241	EZJZ0V80008B	VARISTOR	[M]
VA2242	EZJZ0V80008B	VARISTOR	[M]
		VARIABLE RESISTORS	
VR501	K9AA012A0004	INPUT SELECTOR	[M]
VR621	EVEKD2F3024B	VOLUME	[M]
		SWITCHES	
S501	EVQ21405RJ	SW POWER	[M]
S502	EVQ21405RJ	SW SPEAKERS A	[M]
S503	EVQ21405RJ	SW SURROUND	[M]
S504	EVQ21405RJ	SW SPEAKERS B	[M]
S621	EVQ21405RJ	SW RETURN/-SETUP	[M]
S622	EVQ21405RJ	SW OK	[M]
S623	EVQ21405RJ	SW TUNER DOWN	[M]
S624	EVQ21405RJ	SW TUNER UP	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
		CONNECTORS	
CN611	K1FY124DA001	OPTION PORT CONNECTOR	[M]
CN2001	K1MN10BA0147	10P CONNECTOR	[M]
CN2002	K1MY10AA0021	10P CONNECTOR	[M]
CN2003	K1MN15AA0046	15P CONNECTOR	[M]
CN2004	K1MN16AA0046	16P CONNECTOR	[M]
CN2005	K1KA07AA0083	7P CONNECTOR	[M]
CN3001	K1MN15AA0076	15P CONNECTOR	[M]
CN3002	K1MN20A00081	20P CONNECTOR	[M]
CN3004	K1MN11AA0076	11P CONNECTOR	[M]
CN3005	K1MN24AA0076	24P CONNECTOR	[M]
CN3006	K1MY10AA0021	10P CONNECTOR	[M]
CN5050	K1MN17AA0004	17P CONNECTOR	[M]
CN5500	K1KA08AA0180	8P CONNECTOR	[M]
CN5501	K1KA03AA0301	3P CONNECTOR	[M]
CN5802	K1KA11AA0194	11P CONNECTOR	[M]
CN5991	K1KA03AA0301	3P CONNECTOR	[M]
CN6301	K1MN22AA0004	22P CONNECTOR	[M]
CN6302	K1MY22A00003	22P CONNECTOR	[M]
CN7001	K1YZ11000002	11P CABLE HOLDER	[M]
CN8002	K1MY13BA0076	13P CONNECTOR	[M]
CN8003	K1MN17AA0004	17P CONNECTOR	[M]
CN8004	K1MN17AA0004	17P CONNECTOR	[M]
CN8005	K1MY10AA0021	10P CONNECTOR	[M]
CNA610	K1MN14BA0004	14P CONNECTOR	[M]
CNB610	K1MN14AA0003	14P CONNECTOR	[M]
JW4602	K1KA12BA0126	12P CONNECTOR	[M]
JW4603	K1KA09BA0125	9P CONNECTOR	[M]
PA501	K1MN30BA0005	30P CONNECTOR	[M]
PA1001	K1MN13BA0004	13P CONNECTOR	[M]
PA1002	K1KA02BA0061	2P CONNECTOR	[M]
PA1051	K1KA03BA0061	3P CONNECTOR	[M]
PB501	K1MN30AA0004	30P CONNECTOR	[M]
PB502	K1MP07A00002	7P CONNECTOR	[M]
PB603	K1MP05A00009	5P CONNECTOR	[M]
PB1001	K1MN13AA0003	13P CONNECTOR	[M]
PB1002	K1KA05AA0193	5P CONNECTOR	[M]
PB2004	K1MN16AA0003	16P CONNECTOR	[M]
PB3002	K1MN20AA0004	20P CONNECTOR	[M]
PB3005	K1MN24AA0004	24P CONNECTOR	[M]
PB4401	K1MN11AA0003	11P CONNECTOR	[M]
PB8005	K1MN22AA0004	22P CONNECTOR	[M]
		COILS & INDUCTORS	
L501	J0JBC0000033	INDUCTOR	[M]
L502	J0JBC0000033	INDUCTOR	[M]
L503	J0JBC0000033	INDUCTOR	[M]
L601	J0JBC0000014	INDUCTOR	[M]
L602	J0JBC0000014	INDUCTOR	[M]
L603	J0JBC0000014	INDUCTOR	[M]
L1001	J0JBC0000033	INDUCTOR	[M]
L1002	J0JBC0000033	INDUCTOR	[M]
L1003	J0JBC0000033	INDUCTOR	[M]
L1004	J0JBC0000033	INDUCTOR	[M]
L1005	J0JBC0000033	INDUCTOR	[M]
L1051	J0JBC0000033	INDUCTOR	[M]
L1052	J0JBC0000033	INDUCTOR	[M]
L1053	J0JBC0000033	INDUCTOR	[M]
L1054	J0JBC0000033	INDUCTOR	[M]
L1055	J0JBC0000033	INDUCTOR	[M]
L1056	J0JBC0000033	INDUCTOR	[M]
L2101	J0MAB0000225	INDUCTOR	[M]
L2102	J0MAB0000225	INDUCTOR	[M]
L2103	J0MAB0000225	INDUCTOR	[M]
L2104	J0MAB0000225	INDUCTOR	[M]
L2231	G1CR82KA0010	INDUCTOR	[M]
L3601	J0JHC0000032	INDUCTOR	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
L3602	G1A220G00006	COIL	[M]
L4403	G1C1R0MA0061	INDUCTOR	[M]
L4404	G1C1R0MA0061	INDUCTOR	[M]
L4601	G0B9R5K00003	LINE FILTER	[M]
L4602	G0B9R5K00003	LINE FILTER	[M]
L4603	G0B9R5K00003	LINE FILTER	[M]
L4604	G0B9R5K00003	LINE FILTER	[M]
L4605	G0B9R5K00003	LINE FILTER	[M]
L4606	G0B9R5K00003	LINE FILTER	[M]
L4607	G0B9R5K00003	LINE FILTER	[M]
L4608	G0B9R5K00003	LINE FILTER	[M]
L4609	G0B9R5K00003	LINE FILTER	[M]
L5000	G0A150L00003	CHOKE COIL	[M]
L5200	G0A150L00003	CHOKE COIL	[M]
L5300	G0A150L00003	CHOKE COIL	[M]
L5400	G0A150L00003	CHOKE COIL	[M]
L5500	J0JKB0000020	INDUCTOR	[M]
L5501	J0JKB0000020	INDUCTOR	[M]
L5701	ELF15N035AN	LINE FILTER	[M] ⚠
L5702	ELF22V035E	LINE FILTER	[M] ⚠
L5703	ELF22V035E	LINE FILTER	[M] ⚠
L6930	G0A220GA0026	CHOKE COIL	[M]
L7001	G0C390JA0055	INDUCTOR	[M]
L7002	G0A220GA0026	CHOKE COIL	[M]
L7006	G0A220GA0026	CHOKE COIL	[M]
L7007	G0A220GA0026	CHOKE COIL	[M]
L7008	G0A220GA0026	CHOKE COIL	[M]
L7009	G0A220GA0026	CHOKE COIL	[M]
L7010	G0A220GA0026	CHOKE COIL	[M]
L7014	G0A220GA0026	CHOKE COIL	[M]
L7022	G0A330ZA0045	CHOKE COIL	[M]
L7027	G0A330ZA0045	CHOKE COIL	[M]
L7722	G0A330ZA0045	CHOKE COIL	[M]
L7727	G0A330ZA0045	CHOKE COIL	[M]
LB1001	J0JBC0000033	INDUCTOR	[M]
LB1002	J0JBC0000033	INDUCTOR	[M]
LB1051	J0JBC0000033	INDUCTOR	[M]
LB1052	J0JBC0000033	INDUCTOR	[M]
LB1053	J0JBC0000033	INDUCTOR	[M]
LB1054	J0JBC0000033	INDUCTOR	[M]
LB1055	J0JBC0000033	INDUCTOR	[M]
LB1056	J0JBC0000033	INDUCTOR	[M]
LB1057	J0JBC0000033	INDUCTOR	[M]
LB1058	J0JBC0000033	INDUCTOR	[M]
LB2001	J0JCC0000078	INDUCTOR	[M]
LB2002	J0JCC0000078	INDUCTOR	[M]
LB2003	J0JCC0000119	INDUCTOR	[M]
LB2004	J0JHC0000021	INDUCTOR	[M]
LB2005	J0JHC0000012	INDUCTOR	[M]
LB2006	J0JHC0000012	INDUCTOR	[M]
LB2007	J0JHC0000012	INDUCTOR	[M]
LB2008	J0JHC0000012	INDUCTOR	[M]
LB2009	J0JHC0000021	INDUCTOR	[M]
LB2101	J0JCC0000119	INDUCTOR	[M]
LB2102	J0JCC0000119	INDUCTOR	[M]
LB2103	J0JCC0000119	INDUCTOR	[M]
LB2104	J0JCC0000119	INDUCTOR	[M]
LB2105	J0JHC0000021	INDUCTOR	[M]
LB2106	J0JHC0000021	INDUCTOR	[M]
LB2107	J0JHC0000021	INDUCTOR	[M]
LB2108	J0JHC0000021	INDUCTOR	[M]
LB2109	J0JHC0000021	INDUCTOR	[M]
LB2110	J0JHC0000021	INDUCTOR	[M]
LB2201	J0JCC0000119	INDUCTOR	[M]
LB2202	J0JCC0000119	INDUCTOR	[M]
LB2203	J0JCC0000119	INDUCTOR	[M]
LB2204	J0JCC0000119	INDUCTOR	[M]
LB2205	J0JCC0000119	INDUCTOR	[M]
LB2206	J0JCC0000119	INDUCTOR	[M]
LB2207	J0JCC0000119	INDUCTOR	[M]
LB2208	J0JCC0000119	INDUCTOR	[M]
LB2209	J0JHC0000021	INDUCTOR	[M]
LB2210	J0JHC0000021	INDUCTOR	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
LB2211	J0JHC0000021	INDUCTOR	[M]
LB2231	J0JCC0000119	INDUCTOR	[M]
LB2232	J0JCC0000119	INDUCTOR	[M]
LB2233	J0JCC0000119	INDUCTOR	[M]
LB2234	J0JCC0000119	INDUCTOR	[M]
LB2235	J0JHC0000021	INDUCTOR	[M]
LB2236	J0JHC0000021	INDUCTOR	[M]
LB2237	J0JHC0000021	INDUCTOR	[M]
LB2238	J0JHC0000021	INDUCTOR	[M]
LB3001	J0JBC0000041	INDUCTOR	[M]
LB3002	J0JGC0000020	INDUCTOR	[M]
LB3003	J0JHC0000048	INDUCTOR	[M]
LB3004	J0JHC0000048	INDUCTOR	[M]
LB3005	J0JGC0000020	INDUCTOR	[M]
LB3006	J0JGC0000020	INDUCTOR	[M]
LB3007	J0JGC0000020	INDUCTOR	[M]
LB3101	J0JGC0000020	INDUCTOR	[M]
LB3102	J0JBC0000041	INDUCTOR	[M]
LB3103	J0JGC0000020	INDUCTOR	[M]
LB3104	J0JHC0000048	INDUCTOR	[M]
LB3105	J0JHC0000048	INDUCTOR	[M]
LB3106	J0JGC0000020	INDUCTOR	[M]
LB3107	J0JGC0000020	INDUCTOR	[M]
LB3108	J0JHC0000048	INDUCTOR	[M]
LB3109	J0JHC0000048	INDUCTOR	[M]
LB3201	J0JBC0000041	INDUCTOR	[M]
LB3202	J0JBC0000041	INDUCTOR	[M]
LB3401	J0JGC0000020	INDUCTOR	[M]
LB3402	J0JGC0000020	INDUCTOR	[M]
LB3403	J0JHC0000048	INDUCTOR	[M]
LB3404	J0JHC0000048	INDUCTOR	[M]
LB3405	J0JHC0000048	INDUCTOR	[M]
LB3406	J0JGC0000020	INDUCTOR	[M]
LB3407	J0JGC0000020	INDUCTOR	[M]
LB3408	J0JGC0000020	INDUCTOR	[M]
LB3409	J0JHC0000048	INDUCTOR	[M]
LB3410	J0JHC0000048	INDUCTOR	[M]
LB3501	J0JBC0000041	INDUCTOR	[M]
LB3502	J0JBC0000041	INDUCTOR	[M]
LB3551	J0JGC0000020	INDUCTOR	[M]
LB3601	J0JHC0000032	INDUCTOR	[M]
LB3602	J0JHC0000032	INDUCTOR	[M]
LB7001	J0JBC0000041	INDUCTOR	[M]
LB7002	J0JBC0000041	INDUCTOR	[M]
LB7003	J0JBC0000014	INDUCTOR	[M]
LB8501	J0JBC0000014	INDUCTOR	[M]
LB8502	J0JBC0000014	INDUCTOR	[M]
LB8503	J0JBC0000014	INDUCTOR	[M]
LB8504	J0JBC0000014	INDUCTOR	[M]
LB8505	J0JBC0000014	INDUCTOR	[M]
LB8506	J0JBC0000014	INDUCTOR	[M]
LB8507	J0JBC0000014	INDUCTOR	[M]
LB8508	J0JBC0000014	INDUCTOR	[M]
LB8509	J0JBC0000014	INDUCTOR	[M]
LB8510	J0JBC0000014	INDUCTOR	[M]
LB8511	J0JBC0000014	INDUCTOR	[M]
LB8512	J0JBC0000014	INDUCTOR	[M]
LB8513	J0JBC0000014	INDUCTOR	[M]
LB8514	J0JBC0000014	INDUCTOR	[M]
LB8515	J0JBC0000014	INDUCTOR	[M]
LB8516	J0JBC0000014	INDUCTOR	[M]
LB8517	J0JBC0000014	INDUCTOR	[M]
LB8518	J0JBC0000014	INDUCTOR	[M]
LB8519	J0JBC0000014	INDUCTOR	[M]
LB8520	J0JBC0000014	INDUCTOR	[M]
LB8521	J0JBC0000014	INDUCTOR	[M]
LB8522	J0JBC0000014	INDUCTOR	[M]
LB8523	J0JBC0000014	INDUCTOR	[M]
LB8524	J0JBC0000014	INDUCTOR	[M]
LB8531	J0JBC0000014	INDUCTOR	[M]
LB8532	J0JBC0000014	INDUCTOR	[M]
LB8533	J0JBC0000014	INDUCTOR	[M]
LB8534	J0JBC0000014	INDUCTOR	[M]
LB8535	J0JBC0000014	INDUCTOR	[M]
LB8536	J0JBC0000014	INDUCTOR	[M]
		TRANSFORMERS	
T5701	ETS42BM19GAC	SWITCHING TRANSFORMER	[M] ⚠
T5751	ETS19AB281AG	BACKUP TRANSFORMER	[M] ⚠
T7001	G4D1A0000094	SWITCHING TRANSFORMER	[M] ⚠
		COMPONENT COMBINATION	
IR501	B3RAD0000146	REMOTE CONTROL SENSOR	[M]
ZA5701	K3GE1ZZ00001	FUSE HOLDER	[M]
ZA5702	K3GE1ZZ00001	FUSE HOLDER	[M]
Z101	ENG07825QF	TUNER PACK	[M]
		PHOTO COUPLERS	
PC5701	B3PBA0000402	PHOTO COUPLER	[M] ⚠
PC5702	B3PBA0000402	PHOTO COUPLER	[M] ⚠
PC5720	B3PBA0000402	PHOTO COUPLER	[M] ⚠
PC5799	B3PBA0000402	PHOTO COUPLER	[M] ⚠
		RELAYS	
RY4601	K6B2AGA00011	RELAY	[M]
RY4602	K6B2AGA00011	RELAY	[M]
RY4603	K6B2CGA00086	RELAY	[M]
RY4604	K6B2CGA00086	RELAY	[M]
RY4605	K6B2AGA00011	RELAY	[M]
RY4606	K6B2AGA00011	RELAY	[M]
RY4607	K6B2AGA00011	RELAY	[M]
		OSCILLATORS	
X2002	H2D400400018	CRYSTAL OSCILLATOR	[M]
X2231	H0J283500018	CRYSTAL OSCILLATOR	[M]
X3401	H0J240500038	CRYSTAL OSCILLATOR	[M]
X3402	H0J245500091	CRYSTAL OSCILLATOR	[M]
X5500	H2A6023A0011	CRYSTAL OSCILLATOR	[M]
X5501	H2A7003A0011	CRYSTAL OSCILLATOR	[M]
X8001	H2B100500004	CRYSTAL OSCILLATOR	[M]
X8002	H0A327200097	CRYSTAL OSCILLATOR	[M]
		FL DISPLAY	
FL501	A2BB00000156	FL DISPLAY	[M]
		FUSES	
F1	K5D802APA008	FUSE	[M] ⚠
		FUSE PROTECTOR	
IP7001	K5H7512A0010	IC PROTECTOR	[M] ⚠
		THERMISTORS	
TH5701	D4CAA2R20001	THERMISTOR	[M] ⚠
TH5860	D4CC11040013	THERMISTOR	[M] ⚠
		JACKS	
JK501	K1CB104A0018	JK S-VIDEO	[M]
JK502	K2HC1YYA0008	JK SETUP MIC	[M]
JK503	K2HA307A0006	JK VIDEO AUDIO	[M]
JK601	K2HB103J0070	JK HP	[M]
JK1001	K2HA306B0084	JK VID (DVD REC OUT/ IN) / (VCR IN)	[M]
JK1002	K2HA2YYB0009	JK VID (TV MON OUT) / (DVD PLYR IN)	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
JK1003	K2HA2YYB0009	JK VID (GAME IN) / (CABLE/SAT IN)	[M]
JK1004	K2HA608B0012	JK COM VID (TV MON OUT) / (1 DVD REC IN)	[M]
JK1005	K2HA608B0012	JK COM VID (2 DVD PLY IN) / (3 CABLE/SAT IN)	[M]
JK1051	K2HZ213B0002	JK SVID (GAME IN) / (CABLE/SAT)	[M]
JK1052	K2HZ213B0002	JK SVID (TV MON OUT) / (DVD PLYR IN)	[M]
JK1053	K2HZ318B0002	JK SVID (DVD REC OUT/IN) / (VCR IN)	[M]
JK2101	K1FA119E0013	JK HDMI OUT	[M]
JK2201	K1FA119E0013	JK HDMI 1 (DVD REC IN)	[M]
JK2202	K1FA119E0013	JK HDMI 2 (DVD PLYR IN)	[M]
JK2203	K1FA119E0013	JK HDMI 3 (CABLE/SAT IN)	[M]
JK4001	K2HA204B0147	JK AUD (CD IN)	[M]
JK4002	K2HA406B0033	JK AUD (CTR/ SWFR/SUR/BCK)	[M]
JK4003	K4AK04H00001	JK AUD (SUR FRT)	[M]
JK4004	K4AK04H00001	JK AUD (DVD OUT/ IN)	[M]
JK4005	K4AK04H00001	JK AUD (VCR IN) / (CABLE/SAT IN)	[M]
JK4006	K4AK04H00001	JK AUD (GAME IN) / (TV IN)	[M]
JK4007	K2HA103B0031	JK AUD (SWFR OUT)	[M]
JK4401	K2HA102B0094	JK DIG IN (COAX CD)	[M]
JK4402	B3RAB0000044	JK DIG IN OPT1 (DVD REC)	[M]
JK4403	B3RAB0000044	JK DIG IN OPT2 (DVD PLYR)	[M]
JK4404	B3RAB0000044	JK DIG IN OPT3 (TV)	[M]
JK4601	K4BB04B00007	JK SUR BCK SPK	[M]
JK4602	K4BB08B00004	JK FRT B (L) CTR/ SUR/ SPK	[M]
JK4603	K4BB06B00004	JK FRT A/FRT B	[M]
P5701	K2AB2B000011	AC INLET	[M] ⚠
		EARTH TERMINALS	
E7001	K4CZ01000027	TERMINAL	[M]
ZJ5400	K4CZ01000027	TERMINAL	[M]
ZJ5410	K4CZ01000027	TERMINAL	[M]
ZJ5701	K4CZ01000027	TERMINAL	[M]
ZJ5801	K4CZ01000027	TERMINAL	[M]
ZJ5803	K4CZ01000027	TERMINAL	[M]
		CHIP JUMPERS	
L4401	ERJ6GEY0R00V	0 1/8W	[M]
L4402	ERJ6GEY0R00V	0 1/8W	[M]
LB501	ERJ3GEY0R00V	0 1/10W	[M]
LB502	ERJ3GEY0R00V	0 1/10W	[M]
LB503	ERJ3GEY0R00V	0 1/10W	[M]
LB504	ERJ3GEY0R00V	0 1/10W	[M]
LB505	ERJ3GEY0R00V	0 1/10W	[M]
LB506	ERJ3GEY0R00V	0 1/10W	[M]
LB507	ERJ3GEY0R00V	0 1/10W	[M]
LB508	ERJ3GEY0R00V	0 1/10W	[M]
LB509	ERJ3GEY0R00V	0 1/10W	[M]
LB510	ERJ3GEY0R00V	0 1/10W	[M]
LB511	ERJ3GEY0R00V	0 1/10W	[M]
LB512	ERJ3GEY0R00V	0 1/10W	[M]
LB513	ERJ3GEY0R00V	0 1/10W	[M]
LB514	ERJ3GEY0R00V	0 1/10W	[M]
LB515	ERJ3GEY0R00V	0 1/10W	[M]
LB516	ERJ3GEY0R00V	0 1/10W	[M]
LB517	ERJ3GEY0R00V	0 1/10W	[M]
LB518	ERJ3GEY0R00V	0 1/10W	[M]
LB519	ERJ3GEY0R00V	0 1/10W	[M]
LB520	ERJ3GEY0R00V	0 1/10W	[M]
LB521	ERJ3GEY0R00V	0 1/10W	[M]
LB522	ERJ3GEY0R00V	0 1/10W	[M]
LB523	ERJ3GEY0R00V	0 1/10W	[M]
LB524	ERJ3GEY0R00V	0 1/10W	[M]
LB525	ERJ3GEY0R00V	0 1/10W	[M]
LB6301	ERJ3GEY0R00V	0 1/10W	[M]
LB6302	ERJ3GEY0R00V	0 1/10W	[M]
LB6303	ERJ3GEY0R00V	0 1/10W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
LB6304	ERJ3GEY0R00V	0 1/10W	[M]
LB6305	ERJ3GEY0R00V	0 1/10W	[M]
LB6306	ERJ3GEY0R00V	0 1/10W	[M]
LB6307	ERJ3GEY0R00V	0 1/10W	[M]
LB6308	ERJ3GEY0R00V	0 1/10W	[M]
LB6309	ERJ3GEY0R00V	0 1/10W	[M]
LB6310	ERJ3GEY0R00V	0 1/10W	[M]
LB6311	ERJ3GEY0R00V	0 1/10W	[M]
LB6312	ERJ3GEY0R00V	0 1/10W	[M]
LB6313	ERJ3GEY0R00V	0 1/10W	[M]
LB6314	ERJ3GEY0R00V	0 1/10W	[M]
LB6315	ERJ3GEY0R00V	0 1/10W	[M]
LB6316	ERJ3GEY0R00V	0 1/10W	[M]
LB6317	ERJ3GEY0R00V	0 1/10W	[M]
LB6318	ERJ3GEY0R00V	0 1/10W	[M]
LB6319	ERJ3GEY0R00V	0 1/10W	[M]
LB6320	ERJ3GEY0R00V	0 1/10W	[M]
LB6321	ERJ3GEY0R00V	0 1/10W	[M]
LB6322	ERJ3GEY0R00V	0 1/10W	[M]
W170	ERJ8GEY0R00V	0 1/4W	[M]
W5007	ERJ6GEY0R00V	0 1/8W	[M]
W5032	ERJ8GEY0R00V	0 1/4W	[M]
W5059	ERJ6GEY0R00V	0 1/8W	[M]
W5071	ERJ3GEY0R00V	0 1/10W	[M]
W5098	ERJ3GEY0R00V	0 1/10W	[M]
W5780	ERJ6GEY0R00V	0 1/8W	[M]
W5801	ERJ3GEY0R00V	0 1/10W	[M]
W5803	ERJ6GEY0R00V	0 1/8W	[M]
W5804	ERJ3GEY0R00V	0 1/10W	[M]
W5805	ERJ6GEY0R00V	0 1/8W	[M]
W5806	ERJ6GEY0R00V	0 1/8W	[M]
		RESISTORS	
R101	ERJ3GEYJ102V	1K 1/10W	[M]
R102	ERJ3GEYJ102V	1K 1/10W	[M]
R501	ERJ3GEYJ102V	1K 1/10W	[M]
R502	ERJ3GEYJ102V	1K 1/10W	[M]
R503	ERJ3GEYJ102V	1K 1/10W	[M]
R504	ERJ3GEYJ563V	56K 1/10W	[M]
R505	ERJ3GEYJ104V	100K 1/10W	[M]
R506	ERJ3GEYJ104V	100K 1/10W	[M]
R507	ERJ3GEYJ104V	100K 1/10W	[M]
R508	ERJ3GEYJ102V	1K 1/10W	[M]
R509	ERJ3GEYJ122V	1.2K 1/10W	[M]
R512	ERJ3GEYJ561V	560 1/10W	[M]
R513	ERJ3GEYJ181V	180 1/10W	[M]
R514	ERJ3GEYJ391V	390 1/10W	[M]
R515	ERJ3GEYJ391V	390 1/10W	[M]
R516	ERJ3GEYJ182V	1.8K 1/10W	[M]
R517	ERJ3GEYJ150V	15 1/10W	[M]
R518	ERJ3GEYJ470V	47 1/10W	[M]
R519	ERJ3GEYJ750V	75 1/10W	[M]
R520	ERJ3GEYJ104V	100K 1/10W	[M]
R521	ERJ3GEYJ103V	10K 1/10W	[M]
R522	ERJ3GEYJ750V	75 1/10W	[M]
R523	ERJ3GEY0R00V	0 1/10W	[M]
R524	ERJ3GEY0R00V	0 1/10W	[M]
R525	ERJ3GEYJ472V	4.7K 1/10W	[M]
R526	ERJ3GEYJ202V	2.0K 1/10W	[M]
R527	ERJ3GEYJ472V	4.7K 1/10W	[M]
R528	ERJ3GEYJ153V	15K 1/10W	[M]
R529	ERJ3GEYJ333V	33K 1/10W	[M]
R530	ERJ3GEYJ332V	3.3K 1/10W	[M]
R531	ERJ3GEYJ822V	8.2K 1/10W	[M]
R532	ERJ3GEYJ332V	3.3K 1/10W	[M]
R533	ERJ3GEYJ332V	3.3K 1/10W	[M]
R534	ERJ3GEYJ682V	6.8K 1/10W	[M]
R535	ERJ3GEYJ104V	100K 1/10W	[M]
R536	ERJ3GEYJ101V	100 1/10W	[M]
R537	ERJ3GEYJ102V	1K 1/10W	[M]
R538	ERJ3GEYJ102V	1K 1/10W	[M]
R539	ERJ3GEYJ750V	75 1/10W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R540	ERJ3GEYJ103V	10K 1/10W	[M]
R542	ERJ3GEYJ181V	180 1/10W	[M]
R543	ERJ3GEYJ271V	270 1/10W	[M]
R544	ERJ3GEYJ271V	270 1/10W	[M]
R545	ERJ3GEYJ271V	270 1/10W	[M]
R546	ERJ3GEYJ271V	270 1/10W	[M]
R547	ERJ3GEYJ181V	180 1/10W	[M]
R621	ERJ3GEYJ102V	1K 1/10W	[M]
R622	ERJ3GEYJ122V	1.2K 1/10W	[M]
R623	ERJ3GEYJ152V	1.5K 1/10W	[M]
R624	ERJ3GEYJ182V	1.8K 1/10W	[M]
R1001	ERJ3GEYJ750V	75 1/10W	[M]
R1002	ERJ3GEYJ750V	75 1/10W	[M]
R1003	ERJ3GEYJ750V	75 1/10W	[M]
R1004	ERJ3GEYJ750V	75 1/10W	[M]
R1005	ERJ3GEYJ103V	10K 1/10W	[M]
R1006	ERJ3GEYJ103V	10K 1/10W	[M]
R1007	ERJ3GEYJ103V	10K 1/10W	[M]
R1008	ERJ3GEYJ750V	75 1/10W	[M]
R1009	ERJ3GEYJ102V	1K 1/10W	[M]
R1010	ERJ3GEYJ102V	1K 1/10W	[M]
R1011	ERJ3GEYJ102V	1K 1/10W	[M]
R1012	ERJ3GEYJ750V	75 1/10W	[M]
R1013	ERJ3GEYJ750V	75 1/10W	[M]
R1014	ERJ3GEYJ750V	75 1/10W	[M]
R1015	ERJ3GEYJ750V	75 1/10W	[M]
R1016	ERJ3GEYJ750V	75 1/10W	[M]
R1017	ERJ3GEYJ750V	75 1/10W	[M]
R1018	ERJ3GEYJ750V	75 1/10W	[M]
R1019	ERJ3GEYJ750V	75 1/10W	[M]
R1020	ERJ3GEYJ750V	75 1/10W	[M]
R1021	ERJ3GEYJ102V	1K 1/10W	[M]
R1022	ERJ3GEYJ102V	1K 1/10W	[M]
R1023	ERJ3GEYJ102V	1K 1/10W	[M]
R1024	ERJ3GEYJ182V	1.8K 1/10W	[M]
R1025	ERJ3GEYJ182V	1.8K 1/10W	[M]
R1026	ERJ3GEYJ153V	15K 1/10W	[M]
R1027	ERJ3GEYJ103V	10K 1/10W	[M]
R1028	ERJ3GEYJ750V	75 1/10W	[M]
R1029	ERJ3GEYJ750V	75 1/10W	[M]
R1030	ERJ3GEYJ750V	75 1/10W	[M]
R1031	ERJ3GEYJ473V	47K 1/10W	[M]
R1032	ERJ3GEYJ102V	1K 1/10W	[M]
R1033	ERJ3GEYJ750V	75 1/10W	[M]
R1034	ERJ3GEYJ750V	75 1/10W	[M]
R1035	ERJ3GEYJ750V	75 1/10W	[M]
R1051	ERJ3GEYJ102V	1K 1/10W	[M]
R1052	ERJ3GEYJ102V	1K 1/10W	[M]
R1053	ERJ3GEYJ102V	1K 1/10W	[M]
R1054	ERJ3GEYJ750V	75 1/10W	[M]
R1055	ERJ3GEYJ103V	10K 1/10W	[M]
R1056	ERJ3GEYJ750V	75 1/10W	[M]
R1057	ERJ3GEYJ103V	10K 1/10W	[M]
R1058	ERJ3GEYJ750V	75 1/10W	[M]
R1059	ERJ3GEYJ750V	75 1/10W	[M]
R1060	ERJ3GEYJ750V	75 1/10W	[M]
R1061	ERJ3GEYJ750V	75 1/10W	[M]
R1062	ERJ3GEYJ103V	10K 1/10W	[M]
R1063	ERJ3GEYJ103V	10K 1/10W	[M]
R1064	ERJ3GEYJ750V	75 1/10W	[M]
R1065	ERJ3GEYJ750V	75 1/10W	[M]
R1066	ERJ3GEYJ103V	10K 1/10W	[M]
R1067	ERJ3GEYJ750V	75 1/10W	[M]
R1068	ERJ3GEYJ103V	10K 1/10W	[M]
R1069	ERJ3GEYJ750V	75 1/10W	[M]
R1070	ERJ3GEYJ105V	1M 1/10W	[M]
R1071	ERJ3GEYJ750V	75 1/10W	[M]
R1072	ERJ3GEYJ750V	75 1/10W	[M]
R1073	ERJ3GEYJ750V	75 1/10W	[M]
R1074	ERJ3GEYJ103V	10K 1/10W	[M]
R1075	ERJ3GEYJ750V	75 1/10W	[M]
R1076	ERJ3GEYJ103V	10K 1/10W	[M]
R1077	ERJ3GEYJ105V	1M 1/10W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R1078	ERJ3GEYJ750V	75 1/10W	[M]
R1079	ERJ3GEYJ750V	75 1/10W	[M]
R1080	ERJ3GEYJ473V	47K 1/10W	[M]
R1081	ERJ3GEYJ103V	10K 1/10W	[M]
R1082	ERJ3GEYJ102V	1K 1/10W	[M]
R1105	ERJ3GEYJ104V	100K 1/10W	[M]
R1106	ERJ3GEYJ472V	4.7K 1/10W	[M]
R1107	ERJ3GEYJ473V	47K 1/10W	[M]
R1108	ERJ3GEYJ473V	47K 1/10W	[M]
R1109	ERJ3GEYJ472V	4.7K 1/10W	[M]
R1110	ERJ3GEYJ104V	100K 1/10W	[M]
R1114	ERJ3RBD333V	33K 1/16W	[M]
R1115	ERJ3GEYJ103V	10K 1/10W	[M]
R1116	ERJ3RBD333V	33K 1/16W	[M]
R1117	ERJ3GEYJ103V	10K 1/10W	[M]
R1118	ERJ3GEYJ103V	10K 1/10W	[M]
R1119	ERJ3RBD333V	33K 1/16W	[M]
R1120	ERJ3GEYJ103V	10K 1/10W	[M]
R1121	ERJ3RBD333V	33K 1/16W	[M]
R1122	ERJ3GEYJ332V	3.3K 1/10W	[M]
R1123	ERJ3GEYJ332V	3.3K 1/10W	[M]
R2001	ERJ3GEYJ102V	1K 1/10W	[M]
R2002	ERJ3GEYJ104V	100K 1/10W	[M]
R2003	ERJ3GEYJ182V	1.8K 1/10W	[M]
R2004	ERJ3GEYJ101V	100 1/10W	[M]
R2005	ERJ3GEYJ103V	10K 1/10W	[M]
R2006	ERJ3GEYJ101V	100 1/10W	[M]
R2007	ERJ3GEYJ470V	47 1/10W	[M]
R2008	ERJ3GEYJ470V	47 1/10W	[M]
R2009	ERJ3GEYJ103V	10K 1/10W	[M]
R2010	ERJ3GEYJ101V	100 1/10W	[M]
R2011	ERJ3GEYJ101V	100 1/10W	[M]
R2012	ERJ3GEYJ101V	100 1/10W	[M]
R2013	ERJ3GEYJ101V	100 1/10W	[M]
R2014	ERJ3GEYJ473V	47K 1/10W	[M]
R2015	ERJ3GEYJ473V	47K 1/10W	[M]
R2016	ERJ3GEYJ472V	4.7K 1/10W	[M]
R2017	ERJ3GEYJ472V	4.7K 1/10W	[M]
R2018	ERJ3GEYJ472V	4.7K 1/10W	[M]
R2019	ERJ3GEYJ101V	100 1/10W	[M]
R2020	ERJ3GEYJ101V	100 1/10W	[M]
R2021	ERJ3GEYJ101V	100 1/10W	[M]
R2022	ERJ3GEYJ103V	10K 1/10W	[M]
R2023	ERJ3GEYJ470V	47 1/10W	[M]
R2024	ERJ3GEYJ470V	47 1/10W	[M]
R2025	ERJ3GEYJ101V	100 1/10W	[M]
R2026	ERJ3GEYJ101V	100 1/10W	[M]
R2027	ERJ3GEYJ182V	1.8K 1/10W	[M]
R2028	ERJ3GEYJ182V	1.8K 1/10W	[M]
R2029	ERJ3GEYJ102V	1K 1/10W	[M]
R2030	ERJ3GEYJ102V	1K 1/10W	[M]
R2031	ERJ3GEYJ472V	4.7K 1/10W	[M]
R2032	ERJ3GEYJ472V	4.7K 1/10W	[M]
R2033	ERJ3GEYJ101V	100 1/10W	[M]
R2034	ERJ3GEYJ101V	100 1/10W	[M]
R2035	ERJ3GEYJ101V	100 1/10W	[M]
R2036	ERJ3GEYJ101V	100 1/10W	[M]
R2037	ERJ3GEYJ101V	100 1/10W	[M]
R2038	ERJ3GEYJ101V	100 1/10W	[M]
R2039	ERJ3GEYJ101V	100 1/10W	[M]
R2040	ERJ3GEYJ101V	100 1/10W	[M]
R2041	ERJ3GEYJ103V	10K 1/10W	[M]
R2042	ERJ3GEYJ472V	4.7K 1/10W	[M]
R2043	ERJ3GEYJ472V	4.7K 1/10W	[M]
R2044	ERJ3GEYJ151V	150 1/10W	[M]
R2045	ERJ3GEYJ151V	150 1/10W	[M]
R2046	ERJ3GEYJ101V	100 1/10W	[M]
R2047	ERJ3GEYJ101V	100 1/10W	[M]
R2048	ERJ3GEYJ101V	100 1/10W	[M]
R2049	ERJ3GEYJ101V	100 1/10W	[M]
R2050	ERJ3GEYJ101V	100 1/10W	[M]
R2051	ERJ3GEYJ101V	100 1/10W	[M]
R2052	ERJ3GEYJ101V	100 1/10W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R2053	ERJ3GEY0R00V	0 1/10W	[M]
R2054	ERJ3GEY0R00V	0 1/10W	[M]
R2055	ERJ3GEY0R00V	0 1/10W	[M]
R2056	ERJ3GEY0R00V	0 1/10W	[M]
R2057	ERJ3GEY0R00V	0 1/10W	[M]
R2058	ERJ3GEYJ102V	1K 1/10W	[M]
R2059	ERJ3GEYJ153V	15K 1/10W	[M]
R2060	ERJ3GEYJ153V	15K 1/10W	[M]
R2061	ERJ3GEYJ153V	15K 1/10W	[M]
R2062	ERJ3GEYJ183V	18K 1/10W	[M]
R2065	ERJ3GEYJ102V	1K 1/10W	[M]
R2101	ERJ3GEYJ102V	1K 1/10W	[M]
R2102	ERJ3GEYJ821V	820 1/10W	[M]
R2103	ERJ3GEYJ332V	3.3K 1/10W	[M]
R2104	ERJ3GEYJ273V	27K 1/10W	[M]
R2105	ERJ3GEYJ221V	220 1/10W	[M]
R2106	ERJ3GEYJ103V	10K 1/10W	[M]
R2107	ERJ3GEYJ224V	220K 1/10W	[M]
R2108	ERJ3GEYJ104V	100K 1/10W	[M]
R2109	ERJ3GEYJ103V	10K 1/10W	[M]
R2110	ERJ3GEYJ182V	1.8K 1/10W	[M]
R2111	ERJ3GEYJ101V	100 1/10W	[M]
R2112	ERJ3GEYJ182V	1.8K 1/10W	[M]
R2113	ERJ3GEYJ104V	100K 1/10W	[M]
R2114	ERJ3GEYJ473V	47K 1/10W	[M]
R2115	ERJ3GEYJ225V	2.2M 1/10W	[M]
R2116	ERJ3GEYJ473V	47K 1/10W	[M]
R2117	ERJ3GEYJ472V	4.7K 1/10W	[M]
R2118	ERJ3GEYJ104V	100K 1/10W	[M]
R2120	ERJ3GEYJ682V	6.8K 1/10W	[M]
R2121	ERJ3GEYJ682V	6.8K 1/10W	[M]
R2122	ERJ3GEYJ470V	47 1/10W	[M]
R2123	ERJ3GEYJ470V	47 1/10W	[M]
R2124	D1BB6980A006	698 1/16W	[M]
R2125	ERJ3GEYJ472V	4.7K 1/10W	[M]
R2126	ERJ3GEYJ472V	4.7K 1/10W	[M]
R2128	ERJ3GEYJ102V	1K 1/10W	[M]
R2129	ERJ3GEYJ473V	47K 1/10W	[M]
R2130	ERJ3GEYJ330V	33 1/10W	[M]
R2131	ERJ3GEYJ330V	33 1/10W	[M]
R2132	ERJ3GEYJ330V	33 1/10W	[M]
R2133	ERJ3GEYJ330V	33 1/10W	[M]
R2151	ERJ3GEY0R00V	0 1/10W	[M]
R2152	ERJ3GEY0R00V	0 1/10W	[M]
R2153	ERJ3GEY0R00V	0 1/10W	[M]
R2154	ERJ3GEY0R00V	0 1/10W	[M]
R2201	ERJ3GEY0R00V	0 1/10W	[M]
R2203	ERJ3GEYJ104V	100K 1/10W	[M]
R2204	ERJ3GEYJ473V	47K 1/10W	[M]
R2205	ERJ3GEY0R00V	0 1/10W	[M]
R2207	ERJ3GEYJ104V	100K 1/10W	[M]
R2208	ERJ3GEYJ473V	47K 1/10W	[M]
R2209	ERJ3GEYJ472V	4.7K 1/10W	[M]
R2210	ERJ3GEYJ223V	22K 1/10W	[M]
R2213	ERJ3GEYJ751V	750 1/10W	[M]
R2215	ERJ3GEYJ470V	47 1/10W	[M]
R2216	ERJ3GEYJ470V	47 1/10W	[M]
R2217	ERJ3GEYJ102V	1K 1/10W	[M]
R2218	ERJ3GEYJ472V	4.7K 1/10W	[M]
R2219	ERJ3GEYJ472V	4.7K 1/10W	[M]
R2220	ERJ3GEYJ330V	33 1/10W	[M]
R2221	ERJ3GEYJ330V	33 1/10W	[M]
R2222	ERJ3GEYJ473V	47K 1/10W	[M]
R2223	ERJ3GEYJ823V	82K 1/10W	[M]
R2224	ERJ3GEYJ473V	47K 1/10W	[M]
R2225	ERJ3GEYJ823V	82K 1/10W	[M]
R2231	ERJ3GEY0R00V	0 1/10W	[M]
R2232	ERJ3GEYJ473V	47K 1/10W	[M]
R2233	ERJ3GEYJ104V	100K 1/10W	[M]
R2234	ERJ3GEYJ101V	100 1/10W	[M]
R2235	ERJ3GEYJ102V	1K 1/10W	[M]
R2236	ERJ3GEYJ473V	47K 1/10W	[M]
R2237	ERJ3GEYJ823V	82K 1/10W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R2238	ERJ3GEYJ223V	22K 1/10W	[M]
R2239	ERJ3GEYJ223V	22K 1/10W	[M]
R2240	ERJ3GEYJ103V	10K 1/10W	[M]
R2241	ERJ3GEYJ223V	22K 1/10W	[M]
R2242	ERJ3GEYJ223V	22K 1/10W	[M]
R2243	ERJ3GEYJ103V	10K 1/10W	[M]
R2244	ERJ3GEYJ473V	47K 1/10W	[M]
R2245	ERJ3GEYJ470V	47 1/10W	[M]
R2246	ERJ3GEYJ470V	47 1/10W	[M]
R2247	ERJ3GEYJ473V	47K 1/10W	[M]
R2248	ERJ3GEYJ473V	47K 1/10W	[M]
R2249	ERJ3GEYJ102V	1K 1/10W	[M]
R2250	ERJ3GEYJ470V	47 1/10W	[M]
R2251	ERJ3GEYJ470V	47 1/10W	[M]
R2252	ERJ3GEYJ330V	33 1/10W	[M]
R2253	ERJ3GEYJ470V	47 1/10W	[M]
R2254	ERJ3GEYJ470V	47 1/10W	[M]
R2255	ERJ3GEYJ470V	47 1/10W	[M]
R2256	ERJ3GEYJ470V	47 1/10W	[M]
R2257	ERJ3GEYJ182V	1.8K 1/10W	[M]
R2258	ERJ3GEYJ182V	1.8K 1/10W	[M]
R2259	ERJ3GEYJ330V	33 1/10W	[M]
R2260	ERJ3GEYJ330V	33 1/10W	[M]
R2261	ERJ3GEYJ330V	33 1/10W	[M]
R2262	ERJ3GEYJ821V	820 1/10W	[M]
R2263	ERJ3GEYJ105V	1M 1/10W	[M]
R2264	ERJ3GEYJ472V	4.7K 1/10W	[M]
R2265	ERJ3GEYJ220V	22 1/10W	[M]
R2266	ERJ3GEYJ102V	1K 1/10W	[M]
R2267	ERJ3GEYJ472V	4.7K 1/10W	[M]
R2269	ERJ3GEYJ473V	47K 1/10W	[M]
R2270	ERJ2GEJ4R7X	4.7 1/16W	[M]
R2271	ERJ2GEJ4R7X	4.7 1/16W	[M]
R2272	ERJ2GEJ4R7X	4.7 1/16W	[M]
R2273	ERJ2GEJ4R7X	4.7 1/16W	[M]
R2274	ERJ2GEJ4R7X	4.7 1/16W	[M]
R2275	ERJ2GEJ4R7X	4.7 1/16W	[M]
R2276	ERJ2GEJ4R7X	4.7 1/16W	[M]
R2277	ERJ2GEJ4R7X	4.7 1/16W	[M]
R2278	ERJ3GEYJ330V	33 1/10W	[M]
R3001	ERJ3GEYJ220V	22 1/10W	[M]
R3002	ERJ3GEYJ220V	22 1/10W	[M]
R3003	ERJ3GEYJ220V	22 1/10W	[M]
R3004	ERJ3GEYJ220V	22 1/10W	[M]
R3005	ERJ3GEYJ220V	22 1/10W	[M]
R3006	ERJ3GEYJ220V	22 1/10W	[M]
R3007	ERJ3GEYJ220V	22 1/10W	[M]
R3008	ERJ3GEYJ220V	22 1/10W	[M]
R3009	ERJ3GEYJ220V	22 1/10W	[M]
R3010	ERJ3GEYJ220V	22 1/10W	[M]
R3011	ERJ3GEYJ220V	22 1/10W	[M]
R3012	ERJ3GEYJ220V	22 1/10W	[M]
R3013	ERJ3GEYJ220V	22 1/10W	[M]
R3014	ERJ3GEYJ220V	22 1/10W	[M]
R3015	ERJ3GEYJ220V	22 1/10W	[M]
R3016	ERJ3GEYJ220V	22 1/10W	[M]
R3017	ERJ3GEYJ220V	22 1/10W	[M]
R3018	ERJ3GEYJ220V	22 1/10W	[M]
R3019	ERJ3GEYJ220V	22 1/10W	[M]
R3020	ERJ3GEYJ220V	22 1/10W	[M]
R3021	ERJ3GEYJ220V	22 1/10W	[M]
R3022	ERJ3GEYJ220V	22 1/10W	[M]
R3023	ERJ3GEYJ472V	4.7K 1/10W	[M]
R3024	ERJ3GEYJ220V	22 1/10W	[M]
R3025	ERJ3GEYJ220V	22 1/10W	[M]
R3026	ERJ3GEYJ220V	22 1/10W	[M]
R3027	ERJ3GEYJ220V	22 1/10W	[M]
R3028	ERJ3GEYJ220V	22 1/10W	[M]
R3029	ERJ3GEYJ220V	22 1/10W	[M]
R3030	ERJ3GEYJ220V	22 1/10W	[M]
R3031	ERJ3GEYJ220V	22 1/10W	[M]
R3032	ERJ3GEYJ220V	22 1/10W	[M]
R3033	ERJ3GEYJ220V	22 1/10W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R3034	ERJ3GEYJ220V	22 1/10W	[M]
R3035	ERJ3GEYJ220V	22 1/10W	[M]
R3036	ERJ3GEYJ220V	22 1/10W	[M]
R3037	ERJ3GEYJ220V	22 1/10W	[M]
R3038	ERJ3GEYJ220V	22 1/10W	[M]
R3039	ERJ3GEYJ220V	22 1/10W	[M]
R3040	ERJ3GEYJ220V	22 1/10W	[M]
R3041	ERJ3GEYJ220V	22 1/10W	[M]
R3043	ERJ3GEYJ103V	10K 1/10W	[M]
R3044	ERJ3GEYJ103V	10K 1/10W	[M]
R3045	ERJ3GEYJ220V	22 1/10W	[M]
R3046	ERJ3GEYJ103V	10K 1/10W	[M]
R3047	ERJ3GEYJ220V	22 1/10W	[M]
R3048	ERJ3GEYJ220V	22 1/10W	[M]
R3049	ERJ3GEYJ220V	22 1/10W	[M]
R3052	ERJ3GEYJ220V	22 1/10W	[M]
R3053	ERJ3GEYJ220V	22 1/10W	[M]
R3054	ERJ3GEYJ220V	22 1/10W	[M]
R3055	ERJ3GEYJ220V	22 1/10W	[M]
R3056	ERJ3GEYJ220V	22 1/10W	[M]
R3057	ERJ3GEYJ330V	33 1/10W	[M]
R3058	ERJ3GEYJ330V	33 1/10W	[M]
R3059	ERJ3GEYJ220V	22 1/10W	[M]
R3060	ERJ3GEYJ220V	22 1/10W	[M]
R3061	ERJ3GEYJ220V	22 1/10W	[M]
R3066	ERJ3GEYJ220V	22 1/10W	[M]
R3067	ERJ3GEYJ220V	22 1/10W	[M]
R3068	ERJ3GEYJ330V	33 1/10W	[M]
R3069	ERJ3GEYJ220V	22 1/10W	[M]
R3070	ERJ3GEYJ330V	33 1/10W	[M]
R3071	ERJ3GEYJ330V	33 1/10W	[M]
R3072	ERJ3GEYJ330V	33 1/10W	[M]
R3073	ERJ3GEYJ220V	22 1/10W	[M]
R3074	ERJ3GEYJ220V	22 1/10W	[M]
R3075	ERJ3GEYJ220V	22 1/10W	[M]
R3076	ERJ3GEYJ220V	22 1/10W	[M]
R3077	ERJ3GEYJ220V	22 1/10W	[M]
R3078	ERJ3GEYJ220V	22 1/10W	[M]
R3079	ERJ6GEYJ1R0V	1.0 1/8W	[M]
R3080	ERJ3GEYJ220V	22 1/10W	[M]
R3081	ERJ3GEYJ220V	22 1/10W	[M]
R3082	ERJ3GEYJ220V	22 1/10W	[M]
R3083	ERJ3GEYJ220V	22 1/10W	[M]
R3084	ERJ3GEYJ220V	22 1/10W	[M]
R3085	ERJ3GEYJ220V	22 1/10W	[M]
R3086	ERJ3GEYJ220V	22 1/10W	[M]
R3087	ERJ3GEYJ220V	22 1/10W	[M]
R3088	ERJ3GEYJ220V	22 1/10W	[M]
R3089	ERJ3GEYJ220V	22 1/10W	[M]
R3090	ERJ3GEYJ220V	22 1/10W	[M]
R3091	ERJ3GEYJ221V	220 1/10W	[M]
R3092	ERJ3GEYJ221V	220 1/10W	[M]
R3093	ERJ3GEYJ221V	220 1/10W	[M]
R3094	ERJ3GEYJ221V	220 1/10W	[M]
R3101	ERJ3GEYJ220V	22 1/10W	[M]
R3102	ERJ3GEYJ220V	22 1/10W	[M]
R3103	ERJ3GEYJ220V	22 1/10W	[M]
R3104	ERJ3GEYJ220V	22 1/10W	[M]
R3105	ERJ3GEYJ220V	22 1/10W	[M]
R3106	ERJ3GEYJ220V	22 1/10W	[M]
R3107	ERJ3GEYJ220V	22 1/10W	[M]
R3108	ERJ3GEYJ220V	22 1/10W	[M]
R3109	ERJ3GEYJ220V	22 1/10W	[M]
R3110	ERJ3GEYJ220V	22 1/10W	[M]
R3111	ERJ3GEYJ220V	22 1/10W	[M]
R3112	ERJ3GEYJ220V	22 1/10W	[M]
R3113	ERJ3GEYJ220V	22 1/10W	[M]
R3114	ERJ3GEYJ220V	22 1/10W	[M]
R3115	ERJ3GEYJ220V	22 1/10W	[M]
R3116	ERJ3GEYJ220V	22 1/10W	[M]
R3117	ERJ3GEYJ220V	22 1/10W	[M]
R3118	ERJ3GEYJ220V	22 1/10W	[M]
R3119	ERJ3GEYJ220V	22 1/10W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R3120	ERJ3GEYJ220V	22 1/10W	[M]
R3121	ERJ3GEYJ220V	22 1/10W	[M]
R3122	ERJ3GEYJ220V	22 1/10W	[M]
R3123	ERJ3GEYJ472V	4.7K 1/10W	[M]
R3124	ERJ3GEYJ220V	22 1/10W	[M]
R3125	ERJ3GEYJ220V	22 1/10W	[M]
R3126	ERJ3GEYJ220V	22 1/10W	[M]
R3127	ERJ3GEYJ220V	22 1/10W	[M]
R3128	ERJ3GEYJ220V	22 1/10W	[M]
R3129	ERJ3GEYJ220V	22 1/10W	[M]
R3130	ERJ3GEYJ220V	22 1/10W	[M]
R3131	ERJ3GEYJ220V	22 1/10W	[M]
R3132	ERJ3GEYJ220V	22 1/10W	[M]
R3133	ERJ3GEYJ220V	22 1/10W	[M]
R3134	ERJ3GEYJ220V	22 1/10W	[M]
R3135	ERJ3GEYJ220V	22 1/10W	[M]
R3136	ERJ3GEYJ220V	22 1/10W	[M]
R3137	ERJ3GEYJ220V	22 1/10W	[M]
R3138	ERJ3GEYJ220V	22 1/10W	[M]
R3139	ERJ3GEYJ220V	22 1/10W	[M]
R3140	ERJ3GEYJ220V	22 1/10W	[M]
R3141	ERJ3GEYJ220V	22 1/10W	[M]
R3142	ERJ3GEYJ103V	10K 1/10W	[M]
R3143	ERJ3GEYJ220V	22 1/10W	[M]
R3144	ERJ3GEYJ103V	10K 1/10W	[M]
R3145	ERJ3GEYJ220V	22 1/10W	[M]
R3146	ERJ3GEYJ220V	22 1/10W	[M]
R3147	ERJ3GEYJ220V	22 1/10W	[M]
R3149	ERJ3GEYJ103V	10K 1/10W	[M]
R3150	ERJ3GEYJ220V	22 1/10W	[M]
R3151	ERJ3GEYJ220V	22 1/10W	[M]
R3152	ERJ3GEYJ220V	22 1/10W	[M]
R3153	ERJ3GEYJ220V	22 1/10W	[M]
R3154	ERJ3GEYJ220V	22 1/10W	[M]
R3155	ERJ3GEYJ330V	33 1/10W	[M]
R3156	ERJ3GEYJ330V	33 1/10W	[M]
R3157	ERJ3GEYJ220V	22 1/10W	[M]
R3158	ERJ3GEYJ220V	22 1/10W	[M]
R3159	ERJ3GEYJ220V	22 1/10W	[M]
R3160	ERJ3GEYJ220V	22 1/10W	[M]
R3162	ERJ3GEYJ220V	22 1/10W	[M]
R3163	ERJ3GEYJ330V	33 1/10W	[M]
R3164	ERJ3GEYJ220V	22 1/10W	[M]
R3165	ERJ3GEYJ330V	33 1/10W	[M]
R3166	ERJ3GEYJ330V	33 1/10W	[M]
R3167	ERJ3GEYJ330V	33 1/10W	[M]
R3168	ERJ3GEYJ220V	22 1/10W	[M]
R3169	ERJ3GEYJ220V	22 1/10W	[M]
R3170	ERJ3GEYJ220V	22 1/10W	[M]
R3171	ERJ3GEYJ220V	22 1/10W	[M]
R3172	ERJ3GEYJ220V	22 1/10W	[M]
R3173	ERJ3GEYJ220V	22 1/10W	[M]
R3174	ERJ6GEYJ1R0V	1.0 1/8W	[M]
R3175	ERJ3GEYJ220V	22 1/10W	[M]
R3176	ERJ3GEYJ220V	22 1/10W	[M]
R3177	ERJ3GEYJ220V	22 1/10W	[M]
R3178	ERJ3GEYJ220V	22 1/10W	[M]
R3179	ERJ3GEYJ220V	22 1/10W	[M]
R3180	ERJ3GEYJ220V	22 1/10W	[M]
R3181	ERJ3GEYJ220V	22 1/10W	[M]
R3182	ERJ3GEYJ220V	22 1/10W	[M]
R3183	ERJ3GEYJ220V	22 1/10W	[M]
R3184	ERJ3GEYJ220V	22 1/10W	[M]
R3185	ERJ3GEYJ221V	220 1/10W	[M]
R3186	ERJ3GEYJ221V	220 1/10W	[M]
R3187	ERJ3GEYJ221V	220 1/10W	[M]
R3188	ERJ3GEYJ221V	220 1/10W	[M]
R3189	ERJ3GEYJ221V	220 1/10W	[M]
R3190	ERJ3GEYJ330V	33 1/10W	[M]
R3191	ERJ3GEYJ330V	33 1/10W	[M]
R3192	ERJ3GEYJ103V	10K 1/10W	[M]
R3193	ERJ3GEYJ103V	10K 1/10W	[M]
R3199	ERJ3GEYJ103V	10K 1/10W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R3201	ERJ3GEYJ101V	100 1/10W	[M]
R3205	ERJ3GEYJ101V	100 1/10W	[M]
R3209	ERJ3GEYJ103V	10K 1/10W	[M]
R3213	ERJ3GEYJ330V	33 1/10W	[M]
R3217	ERJ6GEYJ100V	10 1/8W	[M]
R3218	ERJ6GEYJ100V	10 1/8W	[M]
R3357	ERJ3GEYJ103V	10K 1/10W	[M]
R3358	ERJ3GEYJ103V	10K 1/10W	[M]
R3401	ERJ3GEYJ101V	100 1/10W	[M]
R3402	ERJ3GEYJ105V	1M 1/10W	[M]
R3403	ERJ3GEYJ105V	1M 1/10W	[M]
R3404	ERJ3GEYJ821V	820 1/10W	[M]
R3405	ERJ3GEYJ681V	680 1/10W	[M]
R3406	ERJ3GEYJ330V	33 1/10W	[M]
R3407	ERJ3GEYJ330V	33 1/10W	[M]
R3408	ERJ3GEYJ330V	33 1/10W	[M]
R3409	ERJ3GEYJ330V	33 1/10W	[M]
R3410	ERJ3GEYJ183V	18K 1/10W	[M]
R3411	ERJ3GEYJ471V	470 1/10W	[M]
R3412	ERJ3GEYJ470V	47 1/10W	[M]
R3413	ERJ3GEYJ471V	470 1/10W	[M]
R3414	ERJ3GEYJ471V	470 1/10W	[M]
R3415	ERJ3GEYJ471V	470 1/10W	[M]
R3416	ERJ3GEYJ471V	470 1/10W	[M]
R3417	ERJ3GEYJ330V	33 1/10W	[M]
R3418	ERJ3GEYJ330V	33 1/10W	[M]
R3419	ERJ3GEYJ330V	33 1/10W	[M]
R3420	ERJ3GEYJ330V	33 1/10W	[M]
R3421	ERJ3GEYJ103V	10K 1/10W	[M]
R3422	ERJ3GEYJ330V	33 1/10W	[M]
R3423	ERJ3GEYJ330V	33 1/10W	[M]
R3424	ERJ3GEYJ330V	33 1/10W	[M]
R3425	ERJ3GEYJ330V	33 1/10W	[M]
R3426	ERJ3GEYJ330V	33 1/10W	[M]
R3427	ERJ3GEYJ330V	33 1/10W	[M]
R3501	ERJ6GEYJ4R7V	4.7 1/8W	[M]
R3502	ERJ3GEY0R00V	0 1/10W	[M]
R3503	ERJ3GEY0R00V	0 1/10W	[M]
R3504	ERJ3GEY0R00V	0 1/10W	[M]
R3505	ERJ3GEY0R00V	0 1/10W	[M]
R3506	ERJ3GEY0R00V	0 1/10W	[M]
R3507	ERJ6GEYJ100V	10 1/8W	[M]
R3508	ERJ3GEY0R00V	0 1/10W	[M]
R3509	ERJ3GEYJ103V	10K 1/10W	[M]
R3510	ERJ3GEY0R00V	0 1/10W	[M]
R3511	ERJ3GEYJ103V	10K 1/10W	[M]
R3512	ERJ3GEY0R00V	0 1/10W	[M]
R3551	ERJ3GEYJ472V	4.7K 1/10W	[M]
R3552	ERJ3GEYJ472V	4.7K 1/10W	[M]
R3553	ERJ3GEYJ472V	4.7K 1/10W	[M]
R3554	ERJ3GEYJ472V	4.7K 1/10W	[M]
R3555	ERJ3GEYJ472V	4.7K 1/10W	[M]
R3556	ERJ3GEYJ330V	33 1/10W	[M]
R3557	ERJ3GEYJ330V	33 1/10W	[M]
R3558	ERJ3GEYJ330V	33 1/10W	[M]
R3559	ERJ3GEYJ330V	33 1/10W	[M]
R3560	ERJ3GEYJ330V	33 1/10W	[M]
R3561	ERJ3GEYJ330V	33 1/10W	[M]
R3601	ERJ3GEYJ102V	1K 1/10W	[M]
R3602	ERJ3GEYJ223V	22K 1/10W	[M]
R3603	D1BFR047A010	0.047 1/2W	[M]
R3604	ERJ3RBD122V	1.2K 1/16W	[M]
R3605	ERJ3RBD272V	2.7K 1/16W	[M]
R3606	ERJ3RBD562V	5.6K 1/16W	[M]
R3607	ERJ3GEYJ561V	560 1/10W	[M]
R3608	ERJ3GEYJ102V	1K 1/10W	[M]
R3701	ERJ3GEY0R00V	0 1/10W	[M]
R3702	ERJ3GEYJ221V	220 1/10W	[M]
R3703	ERJ3GEYJ221V	220 1/10W	[M]
R3704	ERJ3GEYJ221V	220 1/10W	[M]
R3705	ERJ3GEYJ221V	220 1/10W	[M]
R3706	ERJ3GEYJ221V	220 1/10W	[M]
R3707	ERJ3GEYJ221V	220 1/10W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R3708	ERJ3GEYJ221V	220 1/10W	[M]
R3709	ERJ3GEYJ221V	220 1/10W	[M]
R3714	ERJ3GEYJ101V	100 1/10W	[M]
R3715	ERJ3GEYJ101V	100 1/10W	[M]
R3716	ERJ3GEYJ101V	100 1/10W	[M]
R3717	ERJ3GEYJ330V	33 1/10W	[M]
R3718	ERJ3GEYJ330V	33 1/10W	[M]
R3719	ERJ3GEYJ330V	33 1/10W	[M]
R3720	ERJ3GEYJ330V	33 1/10W	[M]
R3721	ERJ3GEYJ330V	33 1/10W	[M]
R3722	ERJ3GEYJ330V	33 1/10W	[M]
R3723	ERJ3GEYJ330V	33 1/10W	[M]
R3724	ERJ3GEYJ330V	33 1/10W	[M]
R3731	ERJ3GEYJ221V	220 1/10W	[M]
R3732	ERJ3GEYJ220V	22 1/10W	[M]
R3733	ERJ3GEYJ220V	22 1/10W	[M]
R3734	ERJ3GEYJ220V	22 1/10W	[M]
R3735	ERJ3GEYJ220V	22 1/10W	[M]
R3736	ERJ3GEYJ221V	220 1/10W	[M]
R3737	ERJ3GEYJ221V	220 1/10W	[M]
R3738	ERJ3GEYJ221V	220 1/10W	[M]
R3739	ERJ3GEYJ221V	220 1/10W	[M]
R3740	ERJ3GEYJ221V	220 1/10W	[M]
R3741	ERJ3GEYJ221V	220 1/10W	[M]
R3742	ERJ3GEYJ221V	220 1/10W	[M]
R3743	ERJ3GEYJ221V	220 1/10W	[M]
R3744	ERJ3GEYJ221V	220 1/10W	[M]
R3745	ERJ3GEYJ221V	220 1/10W	[M]
R3746	ERJ3GEYJ221V	220 1/10W	[M]
R3747	ERJ3GEYJ221V	220 1/10W	[M]
R3748	ERJ3GEYJ221V	220 1/10W	[M]
R3749	ERJ3GEYJ221V	220 1/10W	[M]
R3750	ERJ3GEYJ221V	220 1/10W	[M]
R3751	ERJ3GEYJ221V	220 1/10W	[M]
R3752	ERJ3GEYJ221V	220 1/10W	[M]
R3753	ERJ3GEYJ221V	220 1/10W	[M]
R3754	ERJ3GEYJ221V	220 1/10W	[M]
R3755	ERJ3GEYJ221V	220 1/10W	[M]
R3902	ERJ3GEY0R00V	0 1/10W	[M]
R4001	ERJ3GEYJ102V	1K 1/10W	[M]
R4002	ERJ3GEYJ102V	1K 1/10W	[M]
R4003	ERJ3GEYJ102V	1K 1/10W	[M]
R4004	ERJ3GEYJ102V	1K 1/10W	[M]
R4005	ERJ3GEYJ102V	1K 1/10W	[M]
R4006	ERJ3GEYJ102V	1K 1/10W	[M]
R4007	ERJ3GEYJ102V	1K 1/10W	[M]
R4008	ERJ3GEYJ102V	1K 1/10W	[M]
R4009	ERJ3GEYJ102V	1K 1/10W	[M]
R4010	ERJ3GEYJ102V	1K 1/10W	[M]
R4011	ERJ3GEYJ102V	1K 1/10W	[M]
R4012	ERJ3GEYJ102V	1K 1/10W	[M]
R4013	ERJ3GEYJ102V	1K 1/10W	[M]
R4014	ERJ3GEYJ102V	1K 1/10W	[M]
R4015	ERJ3GEYJ102V	1K 1/10W	[M]
R4016	ERJ3GEYJ102V	1K 1/10W	[M]
R4017	ERJ3GEYJ102V	1K 1/10W	[M]
R4018	ERJ3GEYJ102V	1K 1/10W	[M]
R4019	ERJ3GEYJ102V	1K 1/10W	[M]
R4020	ERJ3GEYJ102V	1K 1/10W	[M]
R4021	ERJ3GEYJ102V	1K 1/10W	[M]
R4022	ERJ3GEYJ102V	1K 1/10W	[M]
R4045	ERJ3GEYJ102V	1K 1/10W	[M]
R4047	ERJ3GEYJ102V	1K 1/10W	[M]
R4048	ERJ3GEYJ102V	1K 1/10W	[M]
R4049	ERJ3GEYJ102V	1K 1/10W	[M]
R4050	ERJ3GEYJ102V	1K 1/10W	[M]
R4051	ERJ3GEYJ473V	47K 1/10W	[M]
R4052	ERJ3GEYJ473V	47K 1/10W	[M]
R4053	ERJ3GEYJ473V	47K 1/10W	[M]
R4054	ERJ3GEYJ473V	47K 1/10W	[M]
R4055	ERJ3GEYJ473V	47K 1/10W	[M]
R4056	ERJ3GEYJ473V	47K 1/10W	[M]
R4057	ERJ3GEYJ473V	47K 1/10W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R4058	ERJ3GEYJ473V	47K 1/10W	[M]
R4059	ERJ3GEYJ473V	47K 1/10W	[M]
R4060	ERJ3GEYJ473V	47K 1/10W	[M]
R4061	ERJ3GEYJ473V	47K 1/10W	[M]
R4062	ERJ3GEYJ473V	47K 1/10W	[M]
R4063	ERJ3GEYJ473V	47K 1/10W	[M]
R4064	ERJ3GEYJ473V	47K 1/10W	[M]
R4065	ERJ3GEYJ473V	47K 1/10W	[M]
R4066	ERJ3GEYJ473V	47K 1/10W	[M]
R4067	ERJ3GEYJ473V	47K 1/10W	[M]
R4068	ERJ3GEYJ473V	47K 1/10W	[M]
R4069	ERJ3GEYJ473V	47K 1/10W	[M]
R4070	ERJ3GEYJ473V	47K 1/10W	[M]
R4071	ERJ3GEYJ473V	47K 1/10W	[M]
R4072	ERJ3GEYJ473V	47K 1/10W	[M]
R4073	ERJ3GEYJ473V	47K 1/10W	[M]
R4074	ERJ3GEYJ473V	47K 1/10W	[M]
R4075	ERJ3GEYJ473V	47K 1/10W	[M]
R4076	ERJ3GEYJ473V	47K 1/10W	[M]
R4077	ERJ3GEYJ473V	47K 1/10W	[M]
R4078	ERJ3GEYJ473V	47K 1/10W	[M]
R4079	ERJ3GEYJ473V	47K 1/10W	[M]
R4080	ERJ3GEYJ473V	47K 1/10W	[M]
R4081	ERJ3GEYJ473V	47K 1/10W	[M]
R4082	ERJ3GEYJ473V	47K 1/10W	[M]
R4083	ERJ3GEYJ473V	47K 1/10W	[M]
R4084	ERJ3GEYJ473V	47K 1/10W	[M]
R4085	ERJ3GEYJ473V	47K 1/10W	[M]
R4086	ERJ3GEYJ473V	47K 1/10W	[M]
R4087	ERJ3GEYJ473V	47K 1/10W	[M]
R4088	ERJ3GEYJ473V	47K 1/10W	[M]
R4089	ERJ3GEYJ473V	47K 1/10W	[M]
R4101	ERJ3GEYJ102V	1K 1/10W	[M]
R4102	ERJ3GEYJ102V	1K 1/10W	[M]
R4103	ERJ3GEYJ473V	47K 1/10W	[M]
R4104	ERJ3GEYJ473V	47K 1/10W	[M]
R4105	ERJ3GEYJ472V	4.7K 1/10W	[M]
R4106	ERJ3GEYJ472V	4.7K 1/10W	[M]
R4107	ERJ3GEYJ472V	4.7K 1/10W	[M]
R4108	ERJ3GEYJ472V	4.7K 1/10W	[M]
R4109	ERJ3GEYJ102V	1K 1/10W	[M]
R4110	ERJ3GEYJ102V	1K 1/10W	[M]
R4111	ERJ3GEYJ102V	1K 1/10W	[M]
R4112	ERJ3GEYJ102V	1K 1/10W	[M]
R4113	ERJ3GEYJ473V	47K 1/10W	[M]
R4114	ERJ3GEYJ473V	47K 1/10W	[M]
R4115	ERJ3GEYJ472V	4.7K 1/10W	[M]
R4116	ERJ3GEYJ472V	4.7K 1/10W	[M]
R4117	ERJ3GEYJ472V	4.7K 1/10W	[M]
R4118	ERJ3GEYJ472V	4.7K 1/10W	[M]
R4119	ERJ3GEYJ102V	1K 1/10W	[M]
R4120	ERJ3GEYJ102V	1K 1/10W	[M]
R4121	ERJ3GEYJ102V	1K 1/10W	[M]
R4122	ERJ3GEYJ102V	1K 1/10W	[M]
R4123	ERJ3GEYJ473V	47K 1/10W	[M]
R4124	ERJ3GEYJ473V	47K 1/10W	[M]
R4125	ERJ3GEYJ472V	4.7K 1/10W	[M]
R4126	ERJ3GEYJ472V	4.7K 1/10W	[M]
R4127	ERJ3GEYJ472V	4.7K 1/10W	[M]
R4128	ERJ3GEYJ472V	4.7K 1/10W	[M]
R4129	ERJ3GEYJ102V	1K 1/10W	[M]
R4130	ERJ3GEYJ102V	1K 1/10W	[M]
R4131	ERJ3GEYJ102V	1K 1/10W	[M]
R4132	ERJ3GEYJ102V	1K 1/10W	[M]
R4133	ERJ3GEYJ473V	47K 1/10W	[M]
R4134	ERJ3GEYJ473V	47K 1/10W	[M]
R4135	ERJ3GEYJ472V	4.7K 1/10W	[M]
R4136	ERJ3GEYJ472V	4.7K 1/10W	[M]
R4137	ERJ3GEYJ472V	4.7K 1/10W	[M]
R4138	ERJ3GEYJ472V	4.7K 1/10W	[M]
R4139	ERJ3GEYJ102V	1K 1/10W	[M]
R4140	ERJ3GEYJ102V	1K 1/10W	[M]
R4151	ERJ3GEYJ473V	47K 1/10W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R4152	ERJ3GEYJ473V	47K 1/10W	[M]
R4153	ERJ3GEYJ473V	47K 1/10W	[M]
R4154	ERJ3GEYJ473V	47K 1/10W	[M]
R4155	ERJ3GEYJ473V	47K 1/10W	[M]
R4156	ERJ3GEYJ473V	47K 1/10W	[M]
R4157	ERJ3GEYJ473V	47K 1/10W	[M]
R4158	ERJ3GEYJ473V	47K 1/10W	[M]
R4161	ERJ3GEYJ102V	1K 1/10W	[M]
R4162	ERJ3GEYJ102V	1K 1/10W	[M]
R4163	ERJ3GEYJ152V	1.5K 1/10W	[M]
R4164	ERJ3GEYJ152V	1.5K 1/10W	[M]
R4165	ERJ3GEYJ472V	4.7K 1/10W	[M]
R4166	ERJ3GEYJ472V	4.7K 1/10W	[M]
R4167	ERJ3GEYJ122V	1.2K 1/10W	[M]
R4168	ERJ3GEYJ122V	1.2K 1/10W	[M]
R4169	ERJ3GEYJ392V	3.9K 1/10W	[M]
R4170	ERJ3GEYJ392V	3.9K 1/10W	[M]
R4171	ERJ3GEYJ102V	1K 1/10W	[M]
R4172	ERJ3GEYJ102V	1K 1/10W	[M]
R4173	ERJ3GEYJ102V	1K 1/10W	[M]
R4174	ERJ3GEYJ102V	1K 1/10W	[M]
R4175	ERJ3GEYJ152V	1.5K 1/10W	[M]
R4176	ERJ3GEYJ152V	1.5K 1/10W	[M]
R4177	ERJ3GEYJ472V	4.7K 1/10W	[M]
R4178	ERJ3GEYJ472V	4.7K 1/10W	[M]
R4179	ERJ3GEYJ122V	1.2K 1/10W	[M]
R4180	ERJ3GEYJ122V	1.2K 1/10W	[M]
R4181	ERJ3GEYJ392V	3.9K 1/10W	[M]
R4182	ERJ3GEYJ392V	3.9K 1/10W	[M]
R4183	ERJ3GEYJ102V	1K 1/10W	[M]
R4184	ERJ3GEYJ102V	1K 1/10W	[M]
R4188	ERJ3GEYJ102V	1K 1/10W	[M]
R4189	ERJ3GEYJ102V	1K 1/10W	[M]
R4190	ERJ3GEYJ102V	1K 1/10W	[M]
R4191	ERJ3GEYJ152V	1.5K 1/10W	[M]
R4192	ERJ3GEYJ821V	820 1/10W	[M]
R4193	ERJ3GEYJ472V	4.7K 1/10W	[M]
R4194	ERJ3GEYJ472V	4.7K 1/10W	[M]
R4195	ERJ3GEYJ122V	1.2K 1/10W	[M]
R4196	ERJ3GEYJ473V	47K 1/10W	[M]
R4197	ERJ3GEYJ392V	3.9K 1/10W	[M]
R4198	ERJ3GEYJ102V	1K 1/10W	[M]
R4199	ERJ3GEYJ102V	1K 1/10W	[M]
R4201	ERJ3GEYJ102V	1K 1/10W	[M]
R4202	ERJ3GEYJ102V	1K 1/10W	[M]
R4203	ERJ3GEYJ152V	1.5K 1/10W	[M]
R4204	ERJ3GEYJ152V	1.5K 1/10W	[M]
R4205	ERJ3GEYJ472V	4.7K 1/10W	[M]
R4206	ERJ3GEYJ472V	4.7K 1/10W	[M]
R4207	ERJ3GEYJ122V	1.2K 1/10W	[M]
R4208	ERJ3GEYJ122V	1.2K 1/10W	[M]
R4209	ERJ3GEYJ392V	3.9K 1/10W	[M]
R4210	ERJ3GEYJ392V	3.9K 1/10W	[M]
R4211	ERJ3GEYJ102V	1K 1/10W	[M]
R4212	ERJ3GEYJ102V	1K 1/10W	[M]
R4213	ERJ3GEYJ474V	470K 1/10W	[M]
R4214	ERJ3GEYJ472V	4.7K 1/10W	[M]
R4215	ERJ3GEYJ474V	470K 1/10W	[M]
R4216	ERJ3GEYJ472V	4.7K 1/10W	[M]
R4218	ERJ3GEYJ474V	470K 1/10W	[M]
R4219	ERJ3GEYJ472V	4.7K 1/10W	[M]
R4220	ERJ3GEYJ102V	1K 1/10W	[M]
R4221	ERJ3GEYJ102V	1K 1/10W	[M]
R4222	ERJ3GEYJ472V	4.7K 1/10W	[M]
R4223	ERJ3GEYJ474V	470K 1/10W	[M]
R4224	ERJ3GEYJ222V	2.2K 1/10W	[M]
R4233	ERJ3GEY0R00V	0 1/10W	[M]
R4234	ERJ3GEY0R00V	0 1/10W	[M]
R4235	ERJ3GEY0R00V	0 1/10W	[M]
R4236	ERJ3GEY0R00V	0 1/10W	[M]
R4241	ERJ3GEY0R00V	0 1/10W	[M]
R4242	ERJ3GEY0R00V	0 1/10W	[M]
R4247	ERJ3GEYJ102V	1K 1/10W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R4248	ERJ3GEYJ102V	1K 1/10W	[M]
R4250	ERJ3GEYJ562V	5.6K 1/10W	[M]
R4251	ERJ3GEYJ103V	10K 1/10W	[M]
R4252	ERJ3GEYJ102V	1K 1/10W	[M]
R4253	ERJ3GEYJ392V	3.9K 1/10W	[M]
R4254	ERJ3GEYJ103V	10K 1/10W	[M]
R4256	ERJ3GEYJ103V	10K 1/10W	[M]
R4257	ERJ3GEYJ331V	330 1/10W	[M]
R4261	ERJ3GEYJ101V	100 1/10W	[M]
R4262	ERJ3GEYJ101V	100 1/10W	[M]
R4263	ERJ3GEYJ103V	10K 1/10W	[M]
R4264	ERJ3GEYJ103V	10K 1/10W	[M]
R4265	ERJ3GEYJ103V	10K 1/10W	[M]
R4266	ERJ3GEYJ103V	10K 1/10W	[M]
R4271	ERJ3GEY0R00V	0 1/10W	[M]
R4272	ERJ3GEY0R00V	0 1/10W	[M]
R4273	ERJ3GEY0R00V	0 1/10W	[M]
R4274	ERJ3GEY0R00V	0 1/10W	[M]
R4275	ERJ3GEY0R00V	0 1/10W	[M]
R4276	ERJ3GEY0R00V	0 1/10W	[M]
R4301	ERJ3GEYJ102V	1K 1/10W	[M]
R4302	ERJ3GEYJ102V	1K 1/10W	[M]
R4303	ERJ3GEYJ104V	100K 1/10W	[M]
R4304	ERJ3GEYJ104V	100K 1/10W	[M]
R4305	ERJ3GEYJ122V	1.2K 1/10W	[M]
R4306	ERJ3GEYJ122V	1.2K 1/10W	[M]
R4307	ERJ3GEYJ103V	10K 1/10W	[M]
R4308	ERJ3GEYJ103V	10K 1/10W	[M]
R4309	ERJ3GEYJ473V	47K 1/10W	[M]
R4310	ERJ3GEYJ473V	47K 1/10W	[M]
R4311	ERJ3GEYJ390V	39 1/10W	[M]
R4312	ERJ3GEYJ390V	39 1/10W	[M]
R4313	ERJ3GEYJ390V	39 1/10W	[M]
R4314	ERJ3GEYJ390V	39 1/10W	[M]
R4315	ERJ3GEYJ390V	39 1/10W	[M]
R4316	ERJ3GEYJ390V	39 1/10W	[M]
R4317	ERJ3GEYJ390V	39 1/10W	[M]
R4318	ERJ3GEYJ390V	39 1/10W	[M]
R4319	ERJ3GEYJ390V	39 1/10W	[M]
R4320	ERJ3GEYJ390V	39 1/10W	[M]
R4321	ERJ3GEYJ390V	39 1/10W	[M]
R4322	ERJ3GEYJ390V	39 1/10W	[M]
R4323	ERJ3GEYJ102V	1K 1/10W	[M]
R4324	ERJ3GEYJ102V	1K 1/10W	[M]
R4325	ERJ3GEYJ102V	1K 1/10W	[M]
R4326	ERJ3GEYJ102V	1K 1/10W	[M]
R4331	ERJ3GEYJ102V	1K 1/10W	[M]
R4332	ERJ3GEYJ102V	1K 1/10W	[M]
R4333	ERJ3GEYJ104V	100K 1/10W	[M]
R4334	ERJ3GEYJ104V	100K 1/10W	[M]
R4335	ERJ3GEYJ103V	10K 1/10W	[M]
R4336	ERJ3GEYJ103V	10K 1/10W	[M]
R4337	ERJ3GEYJ103V	10K 1/10W	[M]
R4338	ERJ3GEYJ103V	10K 1/10W	[M]
R4339	ERJ3GEYJ473V	47K 1/10W	[M]
R4340	ERJ3GEYJ473V	47K 1/10W	[M]
R4341	ERJ3GEYJ222V	2.2K 1/10W	[M]
R4342	ERJ3GEYJ222V	2.2K 1/10W	[M]
R4343	ERJ3GEYJ102V	1K 1/10W	[M]
R4344	ERJ3GEYJ102V	1K 1/10W	[M]
R4345	ERJ3GEYJ222V	2.2K 1/10W	[M]
R4346	ERJ3GEYJ474V	470K 1/10W	[M]
R4347	ERJ3GEYJ471V	470 1/10W	[M]
R4348	ERJ3GEYJ474V	470K 1/10W	[M]
R4351	ERJ3GEYJ102V	1K 1/10W	[M]
R4352	ERJ3GEYJ102V	1K 1/10W	[M]
R4353	ERJ3GEYJ104V	100K 1/10W	[M]
R4354	ERJ3GEYJ104V	100K 1/10W	[M]
R4355	ERJ3GEYJ103V	10K 1/10W	[M]
R4356	ERJ3GEYJ103V	10K 1/10W	[M]
R4357	ERJ3GEYJ103V	10K 1/10W	[M]
R4358	ERJ3GEYJ103V	10K 1/10W	[M]
R4359	ERJ3GEYJ473V	47K 1/10W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R4360	ERJ3GEYJ473V	47K 1/10W	[M]
R4361	ERJ3GEYJ222V	2.2K 1/10W	[M]
R4362	ERJ3GEYJ222V	2.2K 1/10W	[M]
R4363	ERJ3GEYJ102V	1K 1/10W	[M]
R4364	ERJ3GEYJ102V	1K 1/10W	[M]
R4371	ERJ3GEYJ223V	22K 1/10W	[M]
R4372	ERJ3GEYJ223V	22K 1/10W	[M]
R4373	ERJ3GEYJ824V	820K 1/10W	[M]
R4374	ERJ3GEYJ824V	820K 1/10W	[M]
R4375	ERJ3GEYJ473V	47K 1/10W	[M]
R4376	ERJ3GEYJ103V	10K 1/10W	[M]
R4377	ERJ3GEYJ104V	100K 1/10W	[M]
R4378	ERJ3GEYJ682V	6.8K 1/10W	[M]
R4379	ERJ3GEYJ102V	1K 1/10W	[M]
R4380	ERJ3GEYJ102V	1K 1/10W	[M]
R4381	ERJ3GEYJ102V	1K 1/10W	[M]
R4382	ERJ3GEYJ102V	1K 1/10W	[M]
R4383	ERJ3GEYJ473V	47K 1/10W	[M]
R4391	ERJ3GEYJ470V	47 1/10W	[M]
R4392	ERJ3GEYJ470V	47 1/10W	[M]
R4393	ERJ3GEYJ153V	15K 1/10W	[M]
R4394	ERJ3GEYJ153V	15K 1/10W	[M]
R4401	ERJ3GEYJ470V	47 1/10W	[M]
R4401	ERJ3GEYJ473V	47K 1/10W	[M]
R4402	ERJ3GEYJ470V	47 1/10W	[M]
R4403	ERJ3GEYJ750V	75 1/10W	[M]
R4404	ERJ3GEYJ100V	10 1/10W	[M]
R4405	ERJ3GEYJ470V	47 1/10W	[M]
R4406	ERJ3GEYJ103V	10K 1/10W	[M]
R4407	ERJ3GEYJ103V	10K 1/10W	[M]
R4408	ERJ3GEYJ750V	75 1/10W	[M]
R4427	ERJ3GEYJ102V	1K 1/10W	[M]
R4428	ERJ3GEYJ102V	1K 1/10W	[M]
R4429	ERJ3GEYJ104V	100K 1/10W	[M]
R4430	ERJ3GEYJ104V	100K 1/10W	[M]
R4431	ERJ3GEYJ102V	1K 1/10W	[M]
R4432	ERJ3GEYJ102V	1K 1/10W	[M]
R4433	ERJ3GEYJ104V	100K 1/10W	[M]
R4434	ERJ3GEYJ104V	100K 1/10W	[M]
R4435	ERJ3GEYJ103V	10K 1/10W	[M]
R4436	ERJ3GEYJ103V	10K 1/10W	[M]
R4437	ERJ3GEYJ103V	10K 1/10W	[M]
R4438	ERJ3GEYJ103V	10K 1/10W	[M]
R4439	ERJ3GEYJ473V	47K 1/10W	[M]
R4440	ERJ3GEYJ473V	47K 1/10W	[M]
R4441	ERJ3GEYJ222V	2.2K 1/10W	[M]
R4442	ERJ3GEYJ222V	2.2K 1/10W	[M]
R4443	ERJ3GEYJ102V	1K 1/10W	[M]
R4444	ERJ3GEYJ102V	1K 1/10W	[M]
R4601	ERJ3GEYJ332V	3.3K 1/10W	[M]
R4602	ERJ3GEYJ332V	3.3K 1/10W	[M]
R4603	ERJ3GEYJ332V	3.3K 1/10W	[M]
R4604	ERJ3GEYJ332V	3.3K 1/10W	[M]
R5000	ERJ3GEYJ562V	5.6K 1/10W	[M]
R5001	ERJ3GEYJ562V	5.6K 1/10W	[M]
R5002	ERJ3GEYJ562V	5.6K 1/10W	[M]
R5003	ERJ3GEYJ562V	5.6K 1/10W	[M]
R5004	D0GF100JA014	10 1/8W	[M]
R5005	D0GF100JA014	10 1/8W	[M]
R5006	D0GZ220JA012	22 1W	[M]
R5007	D0GZ220JA012	22 1W	[M]
R5008	ERJ3GEYJ101V	100 1/10W	[M]
R5010	D0GF100JA014	10 1/8W	[M]
R5011	D0GF100JA014	10 1/8W	[M]
R5018	ERJ3GEYJ683V	68K 1/10W	[M]
R5019	ERJ3GEYJ683V	68K 1/10W	[M]
R5020	ERJ3GEYJ124V	120K 1/10W	[M]
R5021	ERJ3GEYJ122V	1.2K 1/10W	[M]
R5022	ERJ3GEYJ122V	1.2K 1/10W	[M]
R5023	ERJ3GEYJ122V	1.2K 1/10W	[M]
R5030	ERJ3GEYJ562V	5.6K 1/10W	[M]
R5031	ERJ3GEYJ562V	5.6K 1/10W	[M]
R5032	ERJ3GEYJ562V	5.6K 1/10W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R5033	ERJ3GEYJ562V	5.6K 1/10W	[M]
R5034	ERJ3GEYJ562V	5.6K 1/10W	[M]
R5035	ERJ3GEYJ562V	5.6K 1/10W	[M]
R5036	ERJ3GEYJ562V	5.6K 1/10W	[M]
R5037	ERJ3GEYJ562V	5.6K 1/10W	[M]
R5100	ERJ3RED334V	330K 1/16W	[M]
R5101	ERJ3RED224V	220K 1/16W	[M]
R5103	ERJ3GEYJ562V	5.6K 1/10W	[M]
R5104	ERJ3GEYJ562V	5.6K 1/10W	[M]
R5110	ERJ3GEYJ223V	22K 1/10W	[M]
R5113	ERJ3GEYJ124V	120K 1/10W	[M]
R5118	ERJ3GEYJ562V	5.6K 1/10W	[M]
R5119	ERJ3GEYJ562V	5.6K 1/10W	[M]
R5200	D0GF100JA014	10 1/8W	[M]
R5201	D0GF100JA014	10 1/8W	[M]
R5204	ERJ3GEYJ101V	100 1/10W	[M]
R5205	ERJ3GEYJ562V	5.6K 1/10W	[M]
R5206	ERJ3GEYJ562V	5.6K 1/10W	[M]
R5207	ERJ3GEYJ562V	5.6K 1/10W	[M]
R5208	ERJ3GEYJ562V	5.6K 1/10W	[M]
R5209	D0GZ220JA012	22 1W	[M]
R5210	D0GF100JA014	10 1/8W	[M]
R5211	D0GF100JA014	10 1/8W	[M]
R5217	D0GZ220JA012	22 1W	[M]
R5218	ERJ3GEYJ683V	68K 1/10W	[M]
R5228	ERJ3GEYJ124V	120K 1/10W	[M]
R5300	D0GZ220JA012	22 1W	[M]
R5302	ERJ8GEYJ100V	10 1/4W	[M]
R5304	ERJ3GEYJ101V	100 1/10W	[M]
R5305	ERJ8GEYJ100V	10 1/4W	[M]
R5306	ERJ3GEYJ562V	5.6K 1/10W	[M]
R5307	ERJ3GEYJ562V	5.6K 1/10W	[M]
R5308	ERJ3GEYJ562V	5.6K 1/10W	[M]
R5309	ERJ3GEYJ562V	5.6K 1/10W	[M]
R5310	ERJ8GEYJ100V	10 1/4W	[M]
R5311	ERJ8GEYJ100V	10 1/4W	[M]
R5317	ERJ3GEYJ122V	1.2K 1/10W	[M]
R5318	ERJ3GEYJ124V	120K 1/10W	[M]
R5319	D0GZ220JA012	22 1W	[M]
R5327	ERJ3GEYJ122V	1.2K 1/10W	[M]
R5328	ERJ3GEYJ683V	68K 1/10W	[M]
R5400	D0GZ220JA012	22 1W	[M]
R5402	D0GF100JA014	10 1/8W	[M]
R5404	ERJ3GEYJ101V	100 1/10W	[M]
R5405	D0GF100JA014	10 1/8W	[M]
R5410	D0GF100JA014	10 1/8W	[M]
R5411	D0GF100JA014	10 1/8W	[M]
R5419	D0GZ220JA012	22 1W	[M]
R5504	ERJ3GEYJ220V	22 1/10W	[M]
R5505	ERJ3GEYJ101V	100 1/10W	[M]
R5506	ERJ3GEYJ105V	1M 1/10W	[M]
R5507	ERJ3GEYJ105V	1M 1/10W	[M]
R5508	ERJ3GEYJ105V	1M 1/10W	[M]
R5510	ERG2SJ471E	470 2W	[M]
R5602	ERJ3GEYJ103V	10K 1/10W	[M]
R5603	ERJ3GEYJ103V	10K 1/10W	[M]
R5604	ERJ3GEYJ472V	4.7K 1/10W	[M]
R5606	ERJ3GEYJ103V	10K 1/10W	[M]
R5607	ERJ3GEYJ472V	4.7K 1/10W	[M]
R5608	ERJ3GEYJ103V	10K 1/10W	[M]
R5609	ERJ3GEYJ103V	10K 1/10W	[M]
R5610	ERJ3GEYJ472V	4.7K 1/10W	[M]
R5611	ERJ3GEYJ472V	4.7K 1/10W	[M]
R5636	ERDS1FVJ102T	1K 1/2W	[M]
R5637	ERJ3GEYJ102V	1K 1/10W	[M]
R5639	ERJ3GEYJ182V	1.8K 1/10W	[M]
R5640	ERJ3GEY0R00V	0 1/10W	[M]
R5654	ERJ3GEYJ563V	56K 1/10W	[M]
R5655	ERJ3GEYJ103V	10K 1/10W	[M]
R5656	ERJ3GEYJ103V	10K 1/10W	[M]
R5657	ERJ3GEYJ103V	10K 1/10W	[M]
R5658	ERJ3GEYJ185V	1.8M 1/10W	[M]
R5659	ERJ3GEYJ104V	100K 1/10W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R5660	ERJ3GEYJ103V	10K 1/10W	[M]
R5670	ERJ3GEY0R00V	0 1/10W	[M]
R5701	ERDS1TJ475B	4.7M 1/2W	[M]
R5702	ERJ1TYJ333U	33K 1W	[M]
R5703	ERJ1TYJ333U	33K 1W	[M]
R5704	ERJ8GEYJ394V	390K 1/4W	[M]
R5705	ERJ8GEYJ394V	390K 1/4W	[M]
R5720	ERJ6GEYJ220V	22 1/8W	[M]
R5721	ERJ6GEYJ103V	10K 1/8W	[M]
R5722	ERJ6GEYJ122V	1.2K 1/8W	[M]
R5723	ERJ3GEYJ102V	1K 1/10W	[M]
R5724	ERJ6GEYJ121V	120 1/8W	[M]
R5725	ERJ3GEY0R00V	0 1/10W	[M]
R5726	ERX2SZJR10P	0.1 2W	[M]
R5727	ERX2SZJR10P	0.1 2W	[M]
R5728	ERJ3GEYJ104V	100K 1/10W	[M]
R5729	ERJ6GEYJ103V	10K 1/8W	[M]
R5730	ERJ3GEYJ102V	1K 1/10W	[M]
R5731	ERJ3GEY0R00V	0 1/10W	[M]
R5732	ERJ3GEYJ101V	100 1/10W	[M]
R5733	ERJ3GEYJ473V	47K 1/10W	[M]
R5750	ERJ3GEY0R00V	0 1/10W	[M]
R5786	ERJ1TYJ204U	200K 1W	[M]
R5787	ERJ3GEYJ753V	75K 1/10W	[M]
R5795	ERJ6GEYJ433V	43K 1/8W	[M]
R5796	ERDS1FVJ222T	2.2K 1/2W	[M]
R5797	ERJ6GEYJ472V	4.7K 1/8W	[M]
R5798	ERJ6GEYJ100V	10 1/8W	[M]
R5800	ERJ6GEYJ394V	390K 1/8W	[M]
R5801	MAZ82000ML	DIODE	[M]
R5802	ERJ3RBD272V	2.7K 1/16W	[M]
R5803	ERJ6GEY0R00V	0 1/8W	[M]
R5804	ERJ6RBD473V	47K 1/10W	[M]
R5805	ERJ3RBD222V	2.2K 1/16W	[M]
R5806	ERJ3GEYJ153V	15K 1/10W	[M]
R5807	ERJ6GEYJ331V	330 1/8W	[M]
R5808	ERJ6GEYJ222V	2.2K 1/8W	[M]
R5809	ERJ6GEYJ331V	330 1/8W	[M]
R5810	ERJ3GEYJ331V	330 1/10W	[M]
R5811	ERJ8GEYJ152V	1.5K 1/4W	[M]
R5812	ERJ3RBD822V	8.2K 1/16W	[M]
R5813	ERJ3RBD243V	24K 1/16W	[M]
R5814	ERJ3GEYJ822V	8.2K 1/10W	[M]
R5815	ERJ3GEYJ272V	2.7K 1/10W	[M]
R5816	ERJ8GEYJ152V	1.5K 1/4W	[M]
R5817	ERJ3GEYJ331V	330 1/10W	[M]
R5820	ERG2SJ910E	91 2W	[M]
R5821	ERG2SJ910E	91 2W	[M]
R5822	ERG2SJ910E	91 2W	[M]
R5823	ERG2SJ910E	91 2W	[M]
R5824	ERG2SJ910E	91 2W	[M]
R5825	ERJ3GEYJ102V	1K 1/10W	[M]
R5832	ERJ1TYJ222U	2.2K 1W	[M]
R5834	ERJ1TYJ222U	2.2K 1W	[M]
R5860	ERJ3GEYF103V	10K 1/10W	[M]
R5861	ERJ3GEYF392V	3.9K 1/10W	[M]
R5862	ERJ6GEYJ103V	10K 1/8W	[M]
R5863	ERJ6GEYJ103V	10K 1/8W	[M]
R5864	ERJ6GEYF103V	10K 1/8W	[M]
R5890	ERJ3GEYJ222V	2.2K 1/10W	[M]
R5891	ERJ3RBD333V	33K 1/16W	[M]
R5892	ERJ3RBD272V	2.7K 1/16W	[M]
R5893	ERJ3RBD393V	39K 1/16W	[M]
R5894	ERJ3GEYJ102V	1K 1/10W	[M]
R5895	ERJ3GEYJ102V	1K 1/10W	[M]
R5896	ERJ3GEYJ104V	100K 1/10W	[M]
R5897	ERJ3GEYJ101V	100 1/10W	[M]
R5898	ERJ3GEYJ824V	820K 1/10W	[M]
R5991	ERJ3GEYJ563V	56K 1/10W	[M]
R7001	ERDS1FVJ1R2T	1.2 1/2W	[M]
R7003	ERJ3GEYJ102V	1K 1/10W	[M]
R7004	ERJ3GEYJ272V	2.7K 1/10W	[M]
R7006	ERJ3GEYJ470V	47 1/10W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R7007	ERJ6GEYJ152V	1.5K 1/8W	[M]
R7009	ERJ3GEYJ272V	2.7K 1/10W	[M]
R7010	ERJ3GEYJ471V	470 1/10W	[M]
R7011	ERJ6GEYJ182V	1.8K 1/8W	[M]
R7012	ERJ3GEYJ272V	2.7K 1/10W	[M]
R7013	ERJ3GEYJ473V	47K 1/10W	[M]
R7028	ERJ3GEYJ393V	39K 1/10W	[M]
R7029	ERJ3EKF1801V	18 1/10W	[M]
R7030	ERJ3RBD5601V	5.6K 1/16W	[M]
R7031	ERJ3GEY0R00V	0 1/10W	[M]
R7032	ERJ3GEYJ273V	27K 1/10W	[M]
R7033	ERJ3GEYJ562V	5.6K 1/10W	[M]
R7065	ERJ3RBD2202V	22K 1/16W	[M]
R7066	ERJ3RBD4700V	470 1/16W	[M]
R7067	ERJ3RBD1002V	10K 1/16W	[M]
R7126	ERJ3GEYJ473V	47K 1/10W	[M]
R7729	ERJ3GEYJ103V	10K 1/10W	[M]
R7730	ERJ3GEYJ123V	12K 1/10W	[M]
R7731	ERJ3GEYJ683V	68K 1/10W	[M]
R7765	ERJ3RBD1002V	10K 1/16W	[M]
R7766	ERJ3RBD3300V	330 1/16W	[M]
R7767	ERJ3RBD1002V	10K 1/16W	[M]
R8001	ERJ3GEYJ101V	100 1/10W	[M]
R8002	ERJ3GEYJ101V	100 1/10W	[M]
R8003	ERJ3GEYJ101V	100 1/10W	[M]
R8004	ERJ3GEYJ101V	100 1/10W	[M]
R8005	ERJ3GEYJ101V	100 1/10W	[M]
R8006	ERJ3GEYJ101V	100 1/10W	[M]
R8007	ERJ3GEYJ101V	100 1/10W	[M]
R8008	ERJ3GEYJ101V	100 1/10W	[M]
R8009	ERJ3GEYJ101V	100 1/10W	[M]
R8010	ERJ3GEYJ101V	100 1/10W	[M]
R8012	ERJ3GEYJ221V	220 1/10W	[M]
R8013	ERJ3GEYJ103V	10K 1/10W	[M]
R8014	ERJ3GEYJ223V	22K 1/10W	[M]
R8016	ERJ3GEY0R00V	0 1/16W	[M]
R8017	ERJ3GEYJ562V	5.6K 1/10W	[M]
R8019	ERJ3GEYJ101V	100 1/10W	[M]
R8020	ERJ3GEYJ101V	100 1/10W	[M]
R8021	ERJ3GEYJ101V	100 1/10W	[M]
R8022	ERJ3GEYJ101V	100 1/10W	[M]
R8023	ERJ3GEYJ101V	100 1/10W	[M]
R8024	ERJ3GEYJ103V	10K 1/10W	[M]
R8026	ERJ3GEYJ101V	100 1/10W	[M]
R8027	ERJ3GEYJ101V	100 1/10W	[M]
R8028	ERJ3GEYJ101V	100 1/10W	[M]
R8029	ERJ3GEYJ101V	100 1/10W	[M]
R8030	ERJ3GEYJ101V	100 1/10W	[M]
R8031	ERJ3GEYJ101V	100 1/10W	[M]
R8032	ERJ3GEYJ101V	100 1/10W	[M]
R8033	ERJ3GEYJ101V	100 1/10W	[M]
R8034	ERJ3GEYJ101V	100 1/10W	[M]
R8035	ERJ3GEYJ101V	100 1/10W	[M]
R8036	ERJ3GEYJ101V	100 1/10W	[M]
R8038	ERJ3GEYJ101V	100 1/10W	[M]
R8039	ERJ3GEYJ104V	100K 1/10W	[M]
R8040	ERJ3GEYJ101V	100 1/10W	[M]
R8041	ERJ3GEYJ101V	100 1/10W	[M]
R8042	ERJ3GEYJ101V	100 1/10W	[M]
R8043	ERJ3GEYJ101V	100 1/10W	[M]
R8044	ERJ3GEYJ101V	100 1/10W	[M]
R8045	ERJ3GEYJ101V	100 1/10W	[M]
R8046	ERJ3GEYJ101V	100 1/10W	[M]
R8047	ERJ3GEYJ101V	100 1/10W	[M]
R8048	ERJ3GEYJ101V	100 1/10W	[M]
R8049	ERJ3GEYJ101V	100 1/10W	[M]
R8050	ERJ3GEYJ101V	100 1/10W	[M]
R8051	ERJ3GEYJ101V	100 1/10W	[M]
R8052	ERJ3GEYJ101V	100 1/10W	[M]
R8053	ERJ3GEYJ101V	100 1/10W	[M]
R8054	ERJ3GEYJ101V	100 1/10W	[M]
R8055	ERJ3GEYJ101V	100 1/10W	[M]
R8056	ERJ3GEYJ101V	100 1/10W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R8057	ERJ3GEYJ101V	100 1/10W	[M]
R8058	ERJ3GEYJ101V	100 1/10W	[M]
R8059	ERJ3GEYJ101V	100 1/10W	[M]
R8060	ERJ3GEYJ101V	100 1/10W	[M]
R8061	ERJ3GEYJ473V	47K 1/10W	[M]
R8062	ERJ3GEYJ101V	100 1/10W	[M]
R8063	ERJ3GEYJ223V	22K 1/10W	[M]
R8064	ERJ3GEYJ101V	100 1/10W	[M]
R8065	ERJ3GEYJ101V	100 1/10W	[M]
R8066	ERJ3GEYJ101V	100 1/10W	[M]
R8067	ERJ3GEYJ101V	100 1/10W	[M]
R8068	ERJ3GEYJ101V	100 1/10W	[M]
R8069	ERJ3GEYJ101V	100 1/10W	[M]
R8070	ERJ3GEYJ101V	100 1/10W	[M]
R8071	ERJ3GEYJ101V	100 1/10W	[M]
R8076	ERJ3GEYJ101V	100 1/10W	[M]
R8077	ERJ3GEYJ101V	100 1/10W	[M]
R8078	ERJ3GEYJ101V	100 1/10W	[M]
R8079	ERJ3GEYJ101V	100 1/10W	[M]
R8080	ERJ3GEYJ101V	100 1/10W	[M]
R8081	ERJ3GEYJ101V	100 1/10W	[M]
R8082	ERJ3GEYJ101V	100 1/10W	[M]
R8083	ERJ3GEYJ101V	100 1/10W	[M]
R8084	ERJ3GEYJ101V	100 1/10W	[M]
R8085	ERJ3GEYJ101V	100 1/10W	[M]
R8086	ERJ3GEYJ101V	100 1/10W	[M]
R8087	ERJ3GEYJ101V	100 1/10W	[M]
R8088	ERJ3GEYJ101V	100 1/10W	[M]
R8090	ERJ3GEYJ101V	100 1/10W	[M]
R8092	ERJ3GEYJ101V	100 1/10W	[M]
R8093	ERJ3GEYJ101V	100 1/10W	[M]
R8094	ERJ3GEYJ101V	100 1/10W	[M]
R8095	ERJ3GEYJ103V	10K 1/10W	[M]
R8096	ERJ3GEYJ392V	3.9K 1/10W	[M]
R8098	ERJ3GEYJ101V	100 1/10W	[M]
R8099	ERJ3GEYJ101V	100 1/10W	[M]
R8100	ERJ3GEYJ103V	10K 1/10W	[M]
R8101	ERJ3GEYJ473V	47K 1/10W	[M]
R8102	ERJ3GEYJ473V	47K 1/10W	[M]
R8103	ERJ3GEYJ472V	4.7K 1/10W	[M]
R8104	ERJ3GEYJ472V	4.7K 1/10W	[M]
R8105	ERJ3GEYJ102V	1K 1/10W	[M]
R8106	ERJ3GEYJ103V	10K 1/10W	[M]
R8107	ERJ3GEYJ103V	10K 1/10W	[M]
R8108	ERJ3GEYJ103V	10K 1/10W	[M]
R8111	ERJ3GEYJ103V	10K 1/10W	[M]
R8112	ERJ3GEYJ103V	10K 1/10W	[M]
R8113	ERJ3GEYJ473V	47K 1/10W	[M]
R8114	ERJ3GEYJ473V	47K 1/10W	[M]
R8115	ERJ3GEYJ473V	47K 1/10W	[M]
R8116	ERJ3GEYJ473V	47K 1/10W	[M]
R8131	ERJ3GEYJ393V	39K 1/10W	[M]
R8132	ERJ3GEYJ393V	39K 1/10W	[M]
R8134	ERJ3GEYJ103V	10K 1/10W	[M]
R8135	ERJ3GEYJ103V	10K 1/10W	[M]
R8136	ERJ3GEY0R00V	0 1/10W	[M]
R8137	ERJ3GEY0R00V	0 1/10W	[M]
R8147	ERJ3GEYJ104V	100K 1/10W	[M]
R8148	ERJ3GEYJ103V	10K 1/10W	[M]
R8151	ERJ3GEYJ224V	220K 1/10W	[M]
R8152	ERJ3GEYJ104V	100K 1/10W	[M]
R8159	ERJ3GEYJ224V	220K 1/10W	[M]
R8191	ERJ3GEYJ473V	47K 1/10W	[M]
R8195	ERJ3GEYJ101V	100 1/10W	[M]
R8401	ERJ3GEYJ102V	1K 1/10W	[M]
R8402	ERJ3GEYJ102V	1K 1/10W	[M]
R8403	ERJ3GEYJ102V	1K 1/10W	[M]
R8404	ERJ3GEYJ102V	1K 1/10W	[M]
R8407	ERJ3GEYJ102V	1K 1/10W	[M]
R8408	ERJ3GEYJ102V	1K 1/10W	[M]
R8411	ERJ3GEYJ104V	100K 1/10W	[M]
R8413	ERJ3GEYJ104V	100K 1/10W	[M]
R8414	ERJ3GEYJ104V	100K 1/10W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R8415	ERJ3GEYJ104V	100K 1/10W	[M]
R8416	ERJ3GEYJ104V	100K 1/10W	[M]
R8417	ERJ3GEYJ104V	100K 1/10W	[M]
R8501	ERJ3GEY0R00V	0 1/10W	[M]
R8502	ERJ3GEY0R00V	0 1/10W	[M]
R8503	ERJ3GEY0R00V	0 1/10W	[M]
R8504	ERJ3GEY0R00V	0 1/10W	[M]
R8505	ERJ3GEY0R00V	0 1/10W	[M]
R8506	ERJ3GEY0R00V	0 1/10W	[M]
R8531	ERJ3GEY0R00V	0 1/10W	[M]
RX2101	D1H83304A024	RESISTOR NETWORK	[M]
RX2231	D1H83304A024	RESISTOR NETWORK	[M]
RX2232	D1H83304A024	RESISTOR NETWORK	[M]
RX2233	D1H83304A024	RESISTOR NETWORK	[M]
RX2234	D1H83304A024	RESISTOR NETWORK	[M]
RX2235	D1H83304A024	RESISTOR NETWORK	[M]
RX2236	D1H83304A024	RESISTOR NETWORK	[M]
RX2237	D1H83304A024	RESISTOR NETWORK	[M]
RX2238	D1H83304A024	RESISTOR NETWORK	[M]
RX2239	D1H83304A024	RESISTOR NETWORK	[M]
RX2240	D1H83304A024	RESISTOR NETWORK	[M]
RX2241	D1H83304A024	RESISTOR NETWORK	[M]
K1	ERJ3GEY0R00V	0 1/10W	[M]
K8	ERJ3GEY0R00V	0 1/10W	[M]
K5202	ERJ3GEY0R00V	0 1/10W	[M]
K5252	ERJ3GEY0R00V	0 1/10W	[M]
K5253	ERJ3GEY0R00V	0 1/10W	[M]
K5255	ERJ3GEY0R00V	0 1/10W	[M]
K5302	ERJ3GEY0R00V	0 1/10W	[M]
K5500	ERJ3GEY0R00V	0 1/10W	[M]
K5778	ERJ3GEY0R00V	0 1/10W	[M]
K5779	ERJ6GEY0R00V	0 1/8W	[M]
K5801	ERJ3GEY0R00V	0 1/10W	[M]
K8002	ERJ3GEY0R00V	0 1/10W	[M]
		CAPACITORS	
C101	ECJ1VB1H272K	2700pF 50V	[M]
C102	ECJ1VB1H272K	2700pF 50V	[M]
C103	ECJ1VC1H220J	22pF 50V	[M]
C104	ECJ1VC1H220J	22pF 50V	[M]
C106	F1H1E105A116	1uF 25V	[M]
C107	ECA1CAK470XB	47uF 16V	[M]
C121	ECJ1VB1C105K	1uF 16V	[M]
C129	ECJ1VB1H104K	0.1uF 50V	[M]
C508	ECJ1VC1H101J	100pF 50V	[M]
C510	ECJ1VC1H680J	68pF 50V	[M]
C511	ECJ1VC1H101J	100pF 50V	[M]
C513	ECJ1VC1H101J	100pF 50V	[M]
C515	ECA0JAK101XB	100uF 6.3V	[M]
C518	ECJ1VB1H103K	0.01uF 50V	[M]
C522	ECJ1VB1H103K	0.01uF 50V	[M]
C527	ECJ1VB1H102K	1000pF 50V	[M]
C532	F1J1A106A043	10uF 10V	[M]
C533	ECA1HM101B	100uF 50V	[M]
C533	F1J1A106A043	10uF 10V	[M]
C536	ECA1HAK220XB	22uF 50V	[M]
C538	ECA1HAK220XB	22uF 50V	[M]
C539	ECA1CAK470XB	47uF 16V	[M]
C540	ECJ1VB1H223K	0.022uF 50V	[M]
C541	ECA1CAK100XB	10uF 16V	[M]
C542	ECJ1VB1C105K	1uF 16V	[M]
C543	ECJ1VB1C105K	1uF 16V	[M]
C544	ECJ1VB1H104K	0.1uF 50V	[M]
C545	ECJ1VB1C105K	1uF 16V	[M]
C546	ECJ1VC1H221J	220pF 50V	[M]
C547	ECJ1VB1H102K	1000pF 50V	[M]
C548	ECJ1VB1H102K	1000pF 50V	[M]
C549	ECJ1VC1H471J	470pF 50V	[M]
C550	ECJ1VC1H680J	68pF 50V	[M]
C551	ECJ1VB1H104K	0.1uF 50V	[M]
C552	ECJ1VC1H101J	100pF 50V	[M]
C553	ECJ1VC1H101J	100pF 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C554	ECA1CAK470XB	47uF 16V	[M]
C555	ECJ1VC1H101J	100pF 50V	[M]
C556	ECJ1VC1H101J	100pF 50V	[M]
C557	ECJ1VB1H103K	0.01uF 50V	[M]
C558	ECJ1VB1H102K	1000pF 50V	[M]
C559	ECJ1VB1H103K	0.01uF 50V	[M]
C560	ECJ1VC1H101J	100pF 50V	[M]
C561	ECJ1VC1H101J	100pF 50V	[M]
C562	ECA1CAK100XB	10uF 16V	[M]
C563	ECJ1VB1C104K	0.1uF 16V	[M]
C564	ECJ1VB1H102K	1000pF 50V	[M]
C565	ECJ1VB1H103K	0.01uF 50V	[M]
C566	ECJ1VB1H103K	0.01uF 50V	[M]
C567	ECJ1VB1H103K	0.01uF 50V	[M]
C568	ECJ1VB1H103K	0.01uF 50V	[M]
C601	ECJ1VB1H103K	0.01uF 50V	[M]
C602	ECJ1VB1H103K	0.01uF 50V	[M]
C603	ECJ1VB1H102K	1000pF 50V	[M]
C621	ECJ1VC1H101J	100pF 50V	[M]
C622	ECJ1VC1H101J	100pF 50V	[M]
C698	ERJ3GEY0R00V	0 1/10W	[M]
C1001	ECA1CAK470XB	47uF 16V	[M]
C1002	ECA1CAK470XB	47uF 16V	[M]
C1003	ECA1CAK470XB	47uF 16V	[M]
C1004	ECJ1VC1H470J	47pF 50V	[M]
C1005	ECJ1VC1H470J	47pF 50V	[M]
C1006	ECJ1VB1H104K	0.1uF 50V	[M]
C1007	ECJ1VB1H104K	0.1uF 50V	[M]
C1008	ECJ1VB1H104K	0.1uF 50V	[M]
C1009	ECA0JAK101XB	100uF 6.3V	[M]
C1010	ECA0JAK101XB	100uF 6.3V	[M]
C1011	F1K1C1050005	1uF 16V	[M]
C1012	F1K1C1050005	1uF 16V	[M]
C1013	F1K1C1050005	1uF 16V	[M]
C1014	F1K1C1050005	1uF 16V	[M]
C1015	F1K1C1050005	1uF 16V	[M]
C1016	F1K1C1050005	1uF 16V	[M]
C1017	ECJ1VB1H104K	0.1uF 50V	[M]
C1018	ECJ1VB1H104K	0.1uF 50V	[M]
C1019	ECJ1VB1H104K	0.1uF 50V	[M]
C1020	ECA0JAK101XB	100uF 6.3V	[M]
C1021	ECA0JAK101XB	100uF 6.3V	[M]
C1022	F1H1H103A219	0.01uF 50V	[M]
C1023	F1H1H103A219	0.01uF 50V	[M]
C1024	ECA0JAK101XB	100uF 6.3V	[M]
C1025	ECA0JAK101XB	100uF 6.3V	[M]
C1026	F1H1H103A219	0.01uF 50V	[M]
C1027	F1H1H103A219	0.01uF 50V	[M]
C1028	ECA0JAK101XB	100uF 6.3V	[M]
C1029	ECA0JAK101XB	100uF 6.3V	[M]
C1030	F1H1E105A116	1uF 25V	[M]
C1031	ECJ1VB1H103K	0.01uF 50V	[M]
C1032	ECJ1VC1H470J	47pF 50V	[M]
C1033	F1K1C1050005	1uF 16V	[M]
C1034	F1K1C1050005	1uF 16V	[M]
C1035	F1K1C1050005	1uF 16V	[M]
C1036	F1K1C1050005	1uF 16V	[M]
C1037	F1K1C1050005	1uF 16V	[M]
C1038	ECA1CAK470XB	47uF 16V	[M]
C1051	ECA0JAK101XB	100uF 6.3V	[M]
C1052	ECA0JAK101XB	100uF 6.3V	[M]
C1053	F1K1C1050005	1uF 16V	[M]
C1054	ECJ1VB1H223K	0.022uF 50V	[M]
C1055	F1K1C1050005	1uF 16V	[M]
C1056	ECJ1VB1H223K	0.022uF 50V	[M]
C1057	ECJ1VB1H104K	0.1uF 50V	[M]
C1058	ECJ1VC1H470J	47pF 50V	[M]
C1059	ECJ1VB1H104K	0.1uF 50V	[M]
C1060	ECA0JAK101XB	100uF 6.3V	[M]
C1061	ECA1CAK470XB	47uF 16V	[M]
C1062	ECJ1VB1H223K	0.022uF 50V	[M]
C1063	ECJ1VB1H104K	0.1uF 50V	[M]
C1064	ECJ1VC1H470J	47pF 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C1065	ECJ1VB1H104K	0.1uF 50V	[M]
C1066	ECA0JAK101XB	100uF 6.3V	[M]
C1067	ECJ1VB1E223K	0.022uF 25V	[M]
C1068	ECJ1VB1H103K	0.01uF 50V	[M]
C1069	ECJ1VB1H103K	0.01uF 50V	[M]
C1070	ECJ1VB1H223K	0.022uF 50V	[M]
C1071	ECJ1VC1H470J	47pF 50V	[M]
C1072	ECJ1VC1H470J	47pF 50V	[M]
C1073	ECJ1VB1H223K	0.022uF 50V	[M]
C1074	ECJ1VC1H470J	47pF 50V	[M]
C1075	ECJ1VC1H470J	47pF 50V	[M]
C1076	ECJ1VB1E223K	0.022uF 25V	[M]
C1077	ECJ1VB1E223K	0.022uF 25V	[M]
C1078	ECA1CAK470XB	47uF 16V	[M]
C1079	ECA1CAK470XB	47uF 16V	[M]
C1080	ECA1CAK470XB	47uF 16V	[M]
C1081	ECJ1VB1H223K	0.022uF 50V	[M]
C1082	ECJ1VB1H223K	0.022uF 50V	[M]
C1101	ECJ1VB1H104K	0.1uF 50V	[M]
C1102	F2A0J101A245	100uF 6.3V	[M]
C1108	F1J1A106A043	10uF 10V	[M]
C1109	ECJ1VB1H104K	0.1uF 50V	[M]
C1110	ECJ1VB1H104K	0.1uF 50V	[M]
C1113	ECJ1VC1H101J	100pF 50V	[M]
C1114	ECJ1VC1H101J	100pF 50V	[M]
C1115	ECJ1VC1H330J	33pF 50V	[M]
C1116	ECJ1VC1H330J	33pF 50V	[M]
C1117	ECJ1VB1A105K	1uF 10V	[M]
C1118	ECJ1VB1A105K	1uF 10V	[M]
C1119	ECJ1VB1H471K	470pF 50V	[M]
C1120	ECJ1VB1H471K	470pF 50V	[M]
C2001	ECJ1VB1C104K	0.1uF 16V	[M]
C2002	ECJ1VB0J105K	1uF 6.3V	[M]
C2003	ECJ1VB1H103K	0.01uF 50V	[M]
C2004	ECJ1VB1H102K	1000pF 50V	[M]
C2005	ECJ1VB1C104K	0.1uF 16V	[M]
C2006	ECJ1VB1H103K	0.01uF 50V	[M]
C2007	ECJ1VB1C104K	0.1uF 16V	[M]
C2008	ECJ1VB1C104K	0.1uF 16V	[M]
C2009	ECJ1VB1C104K	0.1uF 16V	[M]
C2010	ECJ1VB1H102K	1000pF 50V	[M]
C2011	EEE0JA101SP	100uF 6.3V	[M]
C2012	ECJ1VB1H102K	1000pF 50V	[M]
C2013	ECJ1VB0J105K	1uF 6.3V	[M]
C2014	EEE0JA101SP	100uF 6.3V	[M]
C2015	ECJ1VB0J105K	1uF 6.3V	[M]
C2016	ECJ1VB0J105K	1uF 6.3V	[M]
C2017	ECJ1VB0J105K	1uF 6.3V	[M]
C2018	ECJ1VB1H103K	0.01uF 50V	[M]
C2019	ECJ1VB0J105K	1uF 6.3V	[M]
C2101	ECJ1VB0J105K	1uF 6.3V	[M]
C2102	ECJ1VC1H331J	330pF 50V	[M]
C2103	ECJ1VC1H221J	220pF 50V	[M]
C2104	F1J1A106A043	10uF 10V	[M]
C2105	F1J1A106A043	10uF 10V	[M]
C2106	F1J1A106A043	10uF 10V	[M]
C2107	ECJ1VB1C104K	0.1uF 16V	[M]
C2108	F1J1A106A043	10uF 10V	[M]
C2109	ECJ1VB1H102K	1000pF 50V	[M]
C2110	ECJ1VB1H102K	1000pF 50V	[M]
C2111	ECJ1VB1H102K	1000pF 50V	[M]
C2112	ECJ1VB1H102K	1000pF 50V	[M]
C2113	ECJ1VB1C104K	0.1uF 16V	[M]
C2114	F1J1A106A043	10uF 10V	[M]
C2115	ECJ1VB1C104K	0.1uF 16V	[M]
C2116	ECJ1VB1C104K	0.1uF 16V	[M]
C2117	ECJ1VB1H102K	1000pF 50V	[M]
C2118	ECJ1VB1C104K	0.1uF 16V	[M]
C2119	ECJ1VB1C104K	0.1uF 16V	[M]
C2120	ECJ1VB1C104K	0.1uF 16V	[M]
C2121	ECJ1VB1C104K	0.1uF 16V	[M]
C2122	ECJ1VB1C104K	0.1uF 16V	[M]
C2123	F1J1A106A043	10uF 10V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C2124	F1J1A106A043	10uF 10V	[M]
C2125	ECJ1VB1C104K	0.1uF 16V	[M]
C2126	ECJ1VB1C104K	0.1uF 16V	[M]
C2127	EEE0GA331WP	330uF 4V	[M]
C2128	ECJ1VB1C104K	0.1uF 16V	[M]
C2201	ECJ1VB1C104K	0.1uF 16V	[M]
C2202	ECJ1VB1C104K	0.1uF 16V	[M]
C2203	ECJ1VB1H102K	1000pF 50V	[M]
C2204	ECJ1VB1H102K	1000pF 50V	[M]
C2205	ECJ1VB1H102K	1000pF 50V	[M]
C2206	ECJ1VB1H102K	1000pF 50V	[M]
C2207	ECJ1VB1H102K	1000pF 50V	[M]
C2208	ECJ1VB1C104K	0.1uF 16V	[M]
C2209	ECJ1VB1C104K	0.1uF 16V	[M]
C2210	ECJ1VB1C104K	0.1uF 16V	[M]
C2211	ECJ1VB1C104K	0.1uF 16V	[M]
C2212	ECJ1VB1C104K	0.1uF 16V	[M]
C2213	ECJ1VB1C104K	0.1uF 16V	[M]
C2214	F1J1A106A043	10uF 10V	[M]
C2215	F1J1A106A043	10uF 10V	[M]
C2216	ECJ1VB1C104K	0.1uF 16V	[M]
C2217	ECJ1VB1C104K	0.1uF 16V	[M]
C2218	F1J1A106A043	10uF 10V	[M]
C2219	ECJ1VB1H102K	1000pF 50V	[M]
C2220	ECJ1VB1C104K	0.1uF 16V	[M]
C2221	ECJ1VB1C104K	0.1uF 16V	[M]
C2222	ECJ1VB1C104K	0.1uF 16V	[M]
C2223	ECJ1VB1C104K	0.1uF 16V	[M]
C2224	ECJ1VB0J105K	1uF 6.3V	[M]
C2231	ECJ1VB1C104K	0.1uF 16V	[M]
C2232	ECJ1VB0J105K	1uF 6.3V	[M]
C2233	F1J1A106A043	10uF 10V	[M]
C2234	F1J1A106A043	10uF 10V	[M]
C2235	ECJ1VB0J105K	1uF 6.3V	[M]
C2236	ECJ1VB1C104K	0.1uF 16V	[M]
C2237	ECJ1VB1C104K	0.1uF 16V	[M]
C2238	ECJ1VB1C104K	0.1uF 16V	[M]
C2239	ECJ1VB1C104K	0.1uF 16V	[M]
C2240	ECJ1VB1C104K	0.1uF 16V	[M]
C2241	ECJ1VB0J105K	1uF 6.3V	[M]
C2242	ECJ1VB1C104K	0.1uF 16V	[M]
C2243	ECJ1VB1C104K	0.1uF 16V	[M]
C2244	ECJ1VB1C104K	0.1uF 16V	[M]
C2245	ECJ1VB1C104K	0.1uF 16V	[M]
C2246	ECJ1VB1C104K	0.1uF 16V	[M]
C2247	ECJ1VB0J105K	1uF 6.3V	[M]
C2248	ECJ1VB1C104K	0.1uF 16V	[M]
C2249	ECJ1VB1C104K	0.1uF 16V	[M]
C2250	ECJ1VB1C104K	0.1uF 16V	[M]
C2251	ECJ1VB1C104K	0.1uF 16V	[M]
C2252	ECJ1VB1C104K	0.1uF 16V	[M]
C2253	ECJ1VB0J105K	1uF 6.3V	[M]
C2254	ECJ1VB1C104K	0.1uF 16V	[M]
C2255	ECJ1VB1C104K	0.1uF 16V	[M]
C2256	ECJ1VC1H180J	18pF 50V	[M]
C2257	ECJ1VC1H180J	18pF 50V	[M]
C2258	ECJ1VB0J105K	1uF 6.3V	[M]
C2259	ECJ1VB0J105K	1uF 6.3V	[M]
C2260	ECJ1VB1C104K	0.1uF 16V	[M]
C2261	ECJ1VB1H102K	1000pF 50V	[M]
C2262	ECJ1VB1C104K	0.1uF 16V	[M]
C2263	ECJ1VB1C104K	0.1uF 16V	[M]
C2264	ECJ1VB1C104K	0.1uF 16V	[M]
C2265	EEE0JA101SP	100uF 6.3V	[M]
C2266	ECJ1VB0J105K	1uF 6.3V	[M]
C2267	ECJ1VB0J105K	1uF 6.3V	[M]
C2268	ECJ1VB1C104K	0.1uF 16V	[M]
C2269	EEE0GA331WP	330uF 4V	[M]
C2270	ECJ1VB1C104K	0.1uF 16V	[M]
C2271	ECJ1VB1C104K	0.1uF 16V	[M]
C2272	ECJ1VB0J105K	1uF 6.3V	[M]
C2273	ECJ1VB1C104K	0.1uF 16V	[M]
C2274	ECJ1VB1C104K	0.1uF 16V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C2275	ECJ1VB1C104K	0.1uF 16V	[M]
C3001	EEEFK1C220R	22uF 16V	[M]
C3002	ECJ1VB1H103K	0.01uF 50V	[M]
C3003	ECJ1VB1C104K	0.1uF 16V	[M]
C3004	ECJ1VB0J105K	1uF 6.3V	[M]
C3005	ECJ1VB1C104K	0.1uF 16V	[M]
C3006	ECJ1VB1C104K	0.1uF 16V	[M]
C3007	ECJ1VB1C104K	0.1uF 16V	[M]
C3008	ECJ1VB1C104K	0.1uF 16V	[M]
C3009	ECJ1VB1C104K	0.1uF 16V	[M]
C3010	ECJ1VB0J105K	1uF 6.3V	[M]
C3011	ECJ1VB1C104K	0.1uF 16V	[M]
C3012	ECJ1VB1C104K	0.1uF 16V	[M]
C3013	ECJ1VB1C104K	0.1uF 16V	[M]
C3014	ECJ1VB1C104K	0.1uF 16V	[M]
C3015	ECJ1VB1C104K	0.1uF 16V	[M]
C3016	ECJ1VB0J105K	1uF 6.3V	[M]
C3017	ECJ1VB1C104K	0.1uF 16V	[M]
C3018	ECJ1VB1C104K	0.1uF 16V	[M]
C3019	ECJ1VB1C104K	0.1uF 16V	[M]
C3020	ECJ1VB1C104K	0.1uF 16V	[M]
C3021	ECJ1VB1C104K	0.1uF 16V	[M]
C3022	ECJ1VB1C104K	0.1uF 16V	[M]
C3023	ECJ1VB1C104K	0.1uF 16V	[M]
C3024	ECJ1VB1C104K	0.1uF 16V	[M]
C3025	ECJ1VB1C104K	0.1uF 16V	[M]
C3026	ECJ1VB1C104K	0.1uF 16V	[M]
C3027	ECJ1VB0J105K	1uF 6.3V	[M]
C3028	ECJ1VB1C104K	0.1uF 16V	[M]
C3029	ECJ1VB1C104K	0.1uF 16V	[M]
C3030	ECJ1VB0J105K	1uF 6.3V	[M]
C3031	ECJ1VB1C104K	0.1uF 16V	[M]
C3032	ECJ1VB1C104K	0.1uF 16V	[M]
C3033	ECJ1VB1C104K	0.1uF 16V	[M]
C3034	ECJ1VB1C104K	0.1uF 16V	[M]
C3035	ECJ1VB1C104K	0.1uF 16V	[M]
C3036	ECJ1VB1C104K	0.1uF 16V	[M]
C3037	ECJ1VB1C104K	0.1uF 16V	[M]
C3038	ECJ1VB1C104K	0.1uF 16V	[M]
C3039	ECJ1VB1C104K	0.1uF 16V	[M]
C3040	ECJ1VB1C104K	0.1uF 16V	[M]
C3041	ECJ1VB1C104K	0.1uF 16V	[M]
C3042	ECJ1VB1C104K	0.1uF 16V	[M]
C3043	ECJ1VB1C104K	0.1uF 16V	[M]
C3044	ECJ1VB1C104K	0.1uF 16V	[M]
C3045	ECJ1VB1C104K	0.1uF 16V	[M]
C3046	ECJ1VB1C104K	0.1uF 16V	[M]
C3047	ECJ1VB1C104K	0.1uF 16V	[M]
C3048	ECJ1VB0J105K	1uF 6.3V	[M]
C3049	F2G0J101A066	100uF 6.3V	[M]
C3050	ECJ1VB0J105K	1uF 6.3V	[M]
C3051	ECJ1VB1C104K	0.1uF 16V	[M]
C3052	ECJ1VB1C104K	0.1uF 16V	[M]
C3053	ECJ1VB1C104K	0.1uF 16V	[M]
C3054	ECJ1VB0J105K	1uF 6.3V	[M]
C3055	ECJ1VB1C104K	0.1uF 16V	[M]
C3056	ECJ1VB1C104K	0.1uF 16V	[M]
C3057	ECJ1VB1C104K	0.1uF 16V	[M]
C3058	ECJ1VB1C104K	0.1uF 16V	[M]
C3059	ECJ1VB1C104K	0.1uF 16V	[M]
C3060	ECJ1VB1C104K	0.1uF 16V	[M]
C3061	ECJ1VB1C104K	0.1uF 16V	[M]
C3062	ECJ1VB1C104K	0.1uF 16V	[M]
C3063	ECJ1VB1C104K	0.1uF 16V	[M]
C3064	ECJ1VB1C104K	0.1uF 16V	[M]
C3065	ECJ1VB1C104K	0.1uF 16V	[M]
C3066	ECJ1VB1C104K	0.1uF 16V	[M]
C3067	ECJ1VB1H103K	0.01uF 50V	[M]
C3091	ECJ1VB1H102K	1000pF 50V	[M]
C3101	EEEFK1C220R	22uF 16V	[M]
C3102	ECJ1VB1H103K	0.01uF 50V	[M]
C3103	ECJ1VB1C104K	0.1uF 16V	[M]
C3104	ECJ1VB0J105K	1uF 6.3V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C3105	ECJ1VB1C104K	0.1uF 16V	[M]
C3106	ECJ1VB1C104K	0.1uF 16V	[M]
C3107	ECJ1VB1C104K	0.1uF 16V	[M]
C3108	ECJ1VB1C104K	0.1uF 16V	[M]
C3109	ECJ1VB1C104K	0.1uF 16V	[M]
C3110	ECJ1VB0J105K	1uF 6.3V	[M]
C3111	ECJ1VB1C104K	0.1uF 16V	[M]
C3112	ECJ1VB1C104K	0.1uF 16V	[M]
C3113	ECJ1VB1C104K	0.1uF 16V	[M]
C3114	ECJ1VB1C104K	0.1uF 16V	[M]
C3115	ECJ1VB1C104K	0.1uF 16V	[M]
C3116	ECJ1VB0J105K	1uF 6.3V	[M]
C3117	ECJ1VB1C104K	0.1uF 16V	[M]
C3118	ECJ1VB1C104K	0.1uF 16V	[M]
C3119	ECJ1VB1C104K	0.1uF 16V	[M]
C3120	ECJ1VB1C104K	0.1uF 16V	[M]
C3121	ECJ1VB1C104K	0.1uF 16V	[M]
C3122	ECJ1VB1C104K	0.1uF 16V	[M]
C3123	ECJ1VB1C104K	0.1uF 16V	[M]
C3124	ECJ1VB1C104K	0.1uF 16V	[M]
C3125	ECJ1VB1C104K	0.1uF 16V	[M]
C3126	ECJ1VB1C104K	0.1uF 16V	[M]
C3127	ECJ1VB0J105K	1uF 6.3V	[M]
C3128	ECJ1VB1C104K	0.1uF 16V	[M]
C3129	ECJ1VB1C104K	0.1uF 16V	[M]
C3130	ECJ1VB0J105K	1uF 6.3V	[M]
C3131	ECJ1VB1C104K	0.1uF 16V	[M]
C3132	ECJ1VB1C104K	0.1uF 16V	[M]
C3133	ECJ1VB1C104K	0.1uF 16V	[M]
C3134	ECJ1VB1C104K	0.1uF 16V	[M]
C3135	ECJ1VB1C104K	0.1uF 16V	[M]
C3136	ECJ1VB1C104K	0.1uF 16V	[M]
C3137	ECJ1VB1C104K	0.1uF 16V	[M]
C3138	ECJ1VB1C104K	0.1uF 16V	[M]
C3139	ECJ1VB1C104K	0.1uF 16V	[M]
C3140	ECJ1VB1C104K	0.1uF 16V	[M]
C3141	ECJ1VB1C104K	0.1uF 16V	[M]
C3142	ECJ1VB1C104K	0.1uF 16V	[M]
C3143	ECJ1VB1C104K	0.1uF 16V	[M]
C3144	ECJ1VB1C104K	0.1uF 16V	[M]
C3145	ECJ1VB1C104K	0.1uF 16V	[M]
C3146	ECJ1VB1C104K	0.1uF 16V	[M]
C3147	ECJ1VB1C104K	0.1uF 16V	[M]
C3148	ECJ1VB0J105K	1uF 6.3V	[M]
C3149	F2G0J101A066	100uF 6.3V	[M]
C3150	ECJ1VB0J105K	1uF 6.3V	[M]
C3151	ECJ1VB1C104K	0.1uF 16V	[M]
C3152	ECJ1VB1C104K	0.1uF 16V	[M]
C3153	ECJ1VB1C104K	0.1uF 16V	[M]
C3154	ECJ1VB0J105K	1uF 6.3V	[M]
C3155	ECJ1VB1C104K	0.1uF 16V	[M]
C3156	ECJ1VB1C104K	0.1uF 16V	[M]
C3157	ECJ1VB1C104K	0.1uF 16V	[M]
C3158	ECJ1VB1C104K	0.1uF 16V	[M]
C3159	ECJ1VB1C104K	0.1uF 16V	[M]
C3160	ECJ1VB1C104K	0.1uF 16V	[M]
C3161	ECJ1VB1C104K	0.1uF 16V	[M]
C3162	ECJ1VB1C104K	0.1uF 16V	[M]
C3163	ECJ1VB1C104K	0.1uF 16V	[M]
C3164	ECJ1VB1C104K	0.1uF 16V	[M]
C3165	ECJ1VB1C104K	0.1uF 16V	[M]
C3166	ECJ1VB1C104K	0.1uF 16V	[M]
C3167	ECJ1VB1H103K	0.01uF 50V	[M]
C3191	ECJ1VC1H100D	10pF 50V	[M]
C3201	ECJ1VB1H102K	1000pF 50V	[M]
C3202	ECJ1VB1H102K	1000pF 50V	[M]
C3209	ECJ1VB1C104K	0.1uF 16V	[M]
C3213	ECJ1VB0J105K	1uF 6.3V	[M]
C3214	ECJ2FB0J106K	10uF 6.3V	[M]
C3221	ECJ1VB1C104K	0.1uF 16V	[M]
C3225	ECJ2FB0J106K	10uF 6.3V	[M]
C3229	ECJ1VB1H103K	0.01uF 50V	[M]
C3233	ECJ1VB1C104K	0.1uF 16V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C3237	ECJ2FB0J106K	10uF 6.3V	[M]
C3241	ECJ1VB1C104K	0.1uF 16V	[M]
C3401	ECJ1VB1C104K	0.1uF 16V	[M]
C3402	ECJ1VB0J105K	1uF 6.3V	[M]
C3403	ECJ1VB0J105K	1uF 6.3V	[M]
C3404	ECJ1VB0J105K	1uF 6.3V	[M]
C3405	ECJ1VC1H180J	18pF 50V	[M]
C3406	ECJ1VC1H120J	12pF 50V	[M]
C3407	ECJ1VC1H180J	18pF 50V	[M]
C3408	ECJ1VC1H180J	18pF 50V	[M]
C3409	ECJ1VC1H100D	10pF 50V	[M]
C3410	ECJ1VB0J105K	1uF 6.3V	[M]
C3411	ECJ1VC1H101J	100pF 50V	[M]
C3412	ECJ1VC1H101J	100pF 50V	[M]
C3413	ECJ1VC1H101J	100pF 50V	[M]
C3414	ECJ1VC1H101J	100pF 50V	[M]
C3415	ECJ1VB1C104K	0.1uF 16V	[M]
C3416	ECJ1VB1A474K	0.47uF 10V	[M]
C3418	ECJ1VC1H220J	22pF 50V	[M]
C3420	EEEFK1C220R	22uF 16V	[M]
C3426	ECJ1VB0J105K	1uF 6.3V	[M]
C3427	ECJ1VC1H100D	10pF 50V	[M]
C3428	ECJ1VC1H100D	10pF 50V	[M]
C3429	ECJ1VC1H100D	10pF 50V	[M]
C3430	ECJ1VB0J105K	1uF 6.3V	[M]
C3431	EEEFK1C220R	22uF 16V	[M]
C3432	EEEFK1C220R	22uF 16V	[M]
C3433	ECJ1VC1H100D	10pF 50V	[M]
C3501	ECJ1VB1C104K	0.1uF 16V	[M]
C3502	EEE0JA470SR	47uF 6.3V	[M]
C3503	ECJ1VB1C104K	0.1uF 16V	[M]
C3504	F2G0J101A066	100uF 6.3V	[M]
C3505	ECJ1VB1C104K	0.1uF 16V	[M]
C3506	ECJ1VB1H103K	0.01uF 50V	[M]
C3507	ECJ1VB1C104K	0.1uF 16V	[M]
C3508	EEEFK1C220R	22uF 16V	[M]
C3551	ECJ1VB1C104K	0.1uF 16V	[M]
C3601	ECJ1VB1C104K	0.1uF 16V	[M]
C3602	F1L1C226A007	22uF 16V	[M]
C3603	ECJ1VB1C104K	0.1uF 16V	[M]
C3604	ECJ1VC1H150J	15pF 50V	[M]
C3605	ECJ1VB1C104K	0.1uF 16V	[M]
C3606	ECJ1VB1C104K	0.1uF 16V	[M]
C3607	ECJ1VB1C104K	0.1uF 16V	[M]
C3608	ECJ1VB1C104K	0.1uF 16V	[M]
C3609	F2G0J221A031	220uF 6.3V	[M]
C3610	F1J0J106A014	10uF 6.3V	[M]
C3611	ECJ1VC1H471J	470pF 50V	[M]
C3612	ECJ1VB0J105K	1uF 6.3V	[M]
C3613	F2G0J101A066	100uF 6.3V	[M]
C3614	F1L1C226A007	22uF 16V	[M]
C3615	ECJ1VB1C104K	0.1uF 16V	[M]
C3616	EEEFK0J102P	1000 6.3V	[M]
C4001	ECJ1VC1H101J	100pF 50V	[M]
C4002	ECJ1VC1H101J	100pF 50V	[M]
C4003	ECJ1VC1H101J	100pF 50V	[M]
C4004	ECJ1VC1H101J	100pF 50V	[M]
C4005	ECJ1VC1H101J	100pF 50V	[M]
C4006	ECJ1VC1H101J	100pF 50V	[M]
C4007	ECJ1VC1H101J	100pF 50V	[M]
C4008	ECJ1VC1H101J	100pF 50V	[M]
C4009	ECJ1VC1H101J	100pF 50V	[M]
C4010	ECJ1VC1H101J	100pF 50V	[M]
C4011	ECJ1VC1H101J	100pF 50V	[M]
C4012	ECJ1VC1H101J	100pF 50V	[M]
C4013	ECJ1VC1H101J	100pF 50V	[M]
C4014	ECJ1VC1H101J	100pF 50V	[M]
C4015	ECJ1VC1H101J	100pF 50V	[M]
C4016	ECJ1VC1H101J	100pF 50V	[M]
C4017	ECJ1VC1H101J	100pF 50V	[M]
C4018	ECJ1VC1H101J	100pF 50V	[M]
C4019	ECJ1VC1H101J	100pF 50V	[M]
C4020	ECJ1VC1H101J	100pF 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C4021	ECJ1VC1H101J	100pF 50V	[M]
C4022	ECJ1VC1H101J	100pF 50V	[M]
C4023	ECJ1VC1H101J	100pF 50V	[M]
C4024	ECJ1VC1H101J	100pF 50V	[M]
C4025	ECJ1VC1H101J	100pF 50V	[M]
C4026	ECJ1VC1H101J	100pF 50V	[M]
C4027	ECJ1VC1H101J	100pF 50V	[M]
C4028	ECJ1VC1H101J	100pF 50V	[M]
C4029	ECJ1VC1H101J	100pF 50V	[M]
C4030	ECJ1VC1H101J	100pF 50V	[M]
C4031	ECJ1VC1H101J	100pF 50V	[M]
C4032	ECJ1VC1H101J	100pF 50V	[M]
C4033	ECJ1VC1H101J	100pF 50V	[M]
C4034	ECJ1VC1H101J	100pF 50V	[M]
C4035	ECJ1VC1H101J	100pF 50V	[M]
C4036	ECJ1VC1H101J	100pF 50V	[M]
C4037	ECJ1VC1H101J	100pF 50V	[M]
C4038	ECJ1VC1H101J	100pF 50V	[M]
C4039	ECJ1VC1H101J	100pF 50V	[M]
C4040	ECJ1VC1H101J	100pF 50V	[M]
C4041	ECJ1VC1H101J	100pF 50V	[M]
C4042	ECJ1VC1H101J	100pF 50V	[M]
C4043	ECJ1VC1H101J	100pF 50V	[M]
C4044	ECJ1VC1H101J	100pF 50V	[M]
C4045	ECJ1VB1H331K	330pF 50V	[M]
C4051	F2A1H4R7A234	4.7uF 50V	[M]
C4052	F2A1H4R7A234	4.7uF 50V	[M]
C4053	F2A1H4R7A234	4.7uF 50V	[M]
C4054	F2A1H4R7A234	4.7uF 50V	[M]
C4055	ECJ2FB1A475K	4.7uF 10V	[M]
C4056	ECJ2FB1A475K	4.7uF 10V	[M]
C4057	ECJ2FB1A475K	4.7uF 10V	[M]
C4058	ECJ2FB1A475K	4.7uF 10V	[M]
C4059	ECJ2FB1A475K	4.7uF 10V	[M]
C4060	ECJ2FB1A475K	4.7uF 10V	[M]
C4061	F2A1H4R7A234	4.7uF 50V	[M]
C4062	F2A1H4R7A234	4.7uF 50V	[M]
C4063	ECA1CAK100XB	10uF 16V	[M]
C4064	ECA1CAK100XB	10uF 16V	[M]
C4065	F2A1H4R7A234	4.7uF 50V	[M]
C4066	F2A1H4R7A234	4.7uF 50V	[M]
C4067	F2A1H4R7A234	4.7uF 50V	[M]
C4068	F2A1H4R7A234	4.7uF 50V	[M]
C4069	F2A1H4R7A234	4.7uF 50V	[M]
C4070	F2A1H4R7A234	4.7uF 50V	[M]
C4071	F2A1H4R7A234	4.7uF 50V	[M]
C4072	F2A1H4R7A234	4.7uF 50V	[M]
C4073	F2A1H4R7A234	4.7uF 50V	[M]
C4074	F2A1H4R7A234	4.7uF 50V	[M]
C4075	F2A1H4R7A234	4.7uF 50V	[M]
C4076	F2A1H4R7A234	4.7uF 50V	[M]
C4077	F2A1H4R7A234	4.7uF 50V	[M]
C4078	F2A1H4R7A234	4.7uF 50V	[M]
C4079	ECJ2FB1A475K	4.7uF 10V	[M]
C4080	ECJ2FB1A475K	4.7uF 10V	[M]
C4081	ECJ2FB1A475K	4.7uF 10V	[M]
C4082	F2A1H4R7A234	4.7uF 50V	[M]
C4083	F2A1H4R7A234	4.7uF 50V	[M]
C4084	F2A1H4R7A234	4.7uF 50V	[M]
C4085	F2A1H4R7A234	4.7uF 50V	[M]
C4086	F2A1H4R7A234	4.7uF 50V	[M]
C4087	F2A1H4R7A234	4.7uF 50V	[M]
C4088	F2A1H4R7A234	4.7uF 50V	[M]
C4089	F2A1H4R7A234	4.7uF 50V	[M]
C4091	ECA1CAK101XB	100uF 16V	[M]
C4092	ECA1CAK101XB	100uF 16V	[M]
C4093	ECJ1VB1H103K	0.01uF 50V	[M]
C4094	ECJ1VB1H103K	0.01uF 50V	[M]
C4095	ECJ1VC1H101J	100pF 50V	[M]
C4096	ECJ1VC1H101J	100pF 50V	[M]
C4101	ECJ1VC1H101J	100pF 50V	[M]
C4102	ECJ1VC1H101J	100pF 50V	[M]
C4103	ECA1CAK100XB	10uF 16V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C4104	ECA1CAK100XB	10uF 16V	[M]
C4105	ECJ1VB1H331K	330pF 50V	[M]
C4106	ECJ1VB1H331K	330pF 50V	[M]
C4107	ECJ1VB1H331K	330pF 50V	[M]
C4108	ECJ1VB1H331K	330pF 50V	[M]
C4109	ECJ1VC1H101J	100pF 50V	[M]
C4110	ECJ1VC1H101J	100pF 50V	[M]
C4111	ECJ1VB1H104K	0.1uF 50V	[M]
C4112	ECJ1VB1H104K	0.1uF 50V	[M]
C4113	ECJ1VC1H101J	100pF 50V	[M]
C4114	ECJ1VC1H101J	100pF 50V	[M]
C4115	ECA1EAK100XB	10uF 25V	[M]
C4116	ECA1EAK100XB	10uF 25V	[M]
C4117	ECJ1VB1H331K	330pF 50V	[M]
C4118	ECJ1VB1H331K	330pF 50V	[M]
C4119	ECJ1VB1H331K	330pF 50V	[M]
C4120	ECJ1VB1H331K	330pF 50V	[M]
C4121	ECJ1VC1H101J	100pF 50V	[M]
C4122	ECJ1VC1H101J	100pF 50V	[M]
C4123	ECJ1VB1H104K	0.1uF 50V	[M]
C4124	ECJ1VB1H104K	0.1uF 50V	[M]
C4125	ECJ1VC1H101J	100pF 50V	[M]
C4126	ECJ1VC1H101J	100pF 50V	[M]
C4127	ECA1EAK100XB	10uF 25V	[M]
C4128	ECA1EAK100XB	10uF 25V	[M]
C4129	ECJ1VB1H331K	330pF 50V	[M]
C4130	ECJ1VB1H331K	330pF 50V	[M]
C4131	ECJ1VB1H331K	330pF 50V	[M]
C4132	ECJ1VB1H331K	330pF 50V	[M]
C4133	ECJ1VC1H101J	100pF 50V	[M]
C4134	ECJ1VC1H101J	100pF 50V	[M]
C4135	ECJ1VB1H104K	0.1uF 50V	[M]
C4136	ECJ1VB1H104K	0.1uF 50V	[M]
C4137	ECJ1VC1H101J	100pF 50V	[M]
C4138	ECJ1VC1H101J	100pF 50V	[M]
C4139	ECA1EAK100XB	10uF 25V	[M]
C4140	ECA1EAK100XB	10uF 25V	[M]
C4141	ECJ1VB1H331K	330pF 50V	[M]
C4142	ECJ1VB1H331K	330pF 50V	[M]
C4143	ECJ1VB1H331K	330pF 50V	[M]
C4144	ECJ1VB1H331K	330pF 50V	[M]
C4145	ECJ1VC1H101J	100pF 50V	[M]
C4146	ECJ1VC1H101J	100pF 50V	[M]
C4147	ECJ1VB1H104K	0.1uF 50V	[M]
C4148	ECJ1VB1H104K	0.1uF 50V	[M]
C4151	ECA1EAK100XB	10uF 25V	[M]
C4152	ECA1EAK100XB	10uF 25V	[M]
C4153	ECA1EAK100XB	10uF 25V	[M]
C4154	ECA1EAK100XB	10uF 25V	[M]
C4155	ECA1EAK100XB	10uF 25V	[M]
C4156	ECA1EAK100XB	10uF 25V	[M]
C4157	ECA1EAK100XB	10uF 25V	[M]
C4158	ECA1EAK100XB	10uF 25V	[M]
C4161	ECJ1VC1H101J	100pF 50V	[M]
C4162	ECJ1VC1H101J	100pF 50V	[M]
C4163	ECJ1VB1H331K	330pF 50V	[M]
C4164	ECJ1VB1H331K	330pF 50V	[M]
C4165	ECA1EAK100XB	10uF 25V	[M]
C4166	ECA1EAK100XB	10uF 25V	[M]
C4167	ECJ1VB1H104K	0.1uF 50V	[M]
C4168	ECJ1VB1H104K	0.1uF 50V	[M]
C4169	ECJ1VC1H101J	100pF 50V	[M]
C4170	ECJ1VC1H101J	100pF 50V	[M]
C4171	ECJ1VB1H331K	330pF 50V	[M]
C4172	ECJ1VB1H331K	330pF 50V	[M]
C4173	ECA1EAK100XB	10uF 25V	[M]
C4174	ECA1EAK100XB	10uF 25V	[M]
C4175	ECJ1VB1H104K	0.1uF 50V	[M]
C4176	ECJ1VB1H104K	0.1uF 50V	[M]
C4183	ECJ1VC1H101J	100pF 50V	[M]
C4184	ECJ1VC1H101J	100pF 50V	[M]
C4185	ECJ1VB1H331K	330pF 50V	[M]
C4186	ECJ1VB1H331K	330pF 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C4187	ECA1EAK100XB	10uF 25V	[M]
C4188	ECA1EAK100XB	10uF 25V	[M]
C4189	ECJ1VB1H104K	0.1uF 50V	[M]
C4190	ECJ1VB1H104K	0.1uF 50V	[M]
C4191	ECJ1VC1H101J	100pF 50V	[M]
C4192	ECJ1VC1H101J	100pF 50V	[M]
C4193	ECJ1VB1H331K	330pF 50V	[M]
C4194	ECJ1VB1H331K	330pF 50V	[M]
C4195	ECA1EAK100XB	10uF 25V	[M]
C4196	ECA1EAK100XB	10uF 25V	[M]
C4197	ECJ1VB1H104K	0.1uF 50V	[M]
C4198	ECJ1VB1H104K	0.1uF 50V	[M]
C4199	ECA1CAK101XB	100uF 16V	[M]
C4200	ECA1CAK101XB	100uF 16V	[M]
C4201	ECJ1VB1H104K	0.1uF 50V	[M]
C4202	ECJ1VB1H104K	0.1uF 50V	[M]
C4203	ECJ1VB1H104K	0.1uF 50V	[M]
C4204	ECJ1VB1H104K	0.1uF 50V	[M]
C4238	ECJ1VB1H104K	0.1uF 50V	[M]
C4241	ECJ1VB1H104K	0.1uF 50V	[M]
C4242	ECJ1VB1H104K	0.1uF 50V	[M]
C4250	ECJ1VC1H220J	22pF 50V	[M]
C4251	ECJ1VB1H104K	0.1uF 50V	[M]
C4252	ECJ1VB1H104K	0.1uF 50V	[M]
C4253	ECA0JAK101XB	100uF 6.3V	[M]
C4254	ECA1AAK330XB	33uF 10V	[M]
C4261	ECA1EAK100XB	10uF 25V	[M]
C4262	ECA1EAK100XB	10uF 25V	[M]
C4263	ECA1EAK100XB	10uF 25V	[M]
C4264	ECA1EAK100XB	10uF 25V	[M]
C4265	ECJ1VB1H104K	0.1uF 50V	[M]
C4266	ECA0JAK101XB	100uF 6.3V	[M]
C4301	ECJ1VB1C105K	1uF 16V	[M]
C4302	ECJ1VB1C105K	1uF 16V	[M]
C4303	ECJ1VC1H101J	100pF 50V	[M]
C4304	ECJ1VC1H101J	100pF 50V	[M]
C4305	ECJ1VB1H102K	1000pF 50V	[M]
C4306	ECJ1VB1H102K	1000pF 50V	[M]
C4307	ECJ1VC1H101J	100pF 50V	[M]
C4308	ECJ1VC1H101J	100pF 50V	[M]
C4309	F2A1C470A234	47uF 16V	[M]
C4310	F2A1C470A234	47uF 16V	[M]
C4311	ECJ1VB1H104K	0.1uF 50V	[M]
C4312	ECJ1VB1H104K	0.1uF 50V	[M]
C4313	ECJ1VB1H103K	0.01uF 50V	[M]
C4314	ECJ1VB1H103K	0.01uF 50V	[M]
C4331	ECJ1VB1C105K	1uF 16V	[M]
C4332	ECJ1VB1C105K	1uF 16V	[M]
C4333	ECJ1VC1H101J	100pF 50V	[M]
C4334	ECJ1VC1H101J	100pF 50V	[M]
C4335	ECJ1VB1H102K	1000pF 50V	[M]
C4336	ECJ1VB1H102K	1000pF 50V	[M]
C4337	ECJ1VC1H101J	100pF 50V	[M]
C4338	ECJ1VC1H101J	100pF 50V	[M]
C4339	F1K1E106A078	10uF 25V	[M]
C4340	F1K1E106A078	10uF 25V	[M]
C4341	ECJ1VB1H104K	0.1uF 50V	[M]
C4342	ECJ1VB1H104K	0.1uF 50V	[M]
C4343	ECJ1VB1H104K	0.1uF 50V	[M]
C4344	ECJ1VB1H104K	0.1uF 50V	[M]
C4351	ECJ1VB1C105K	1uF 16V	[M]
C4352	ECJ1VB1C105K	1uF 16V	[M]
C4353	ECJ1VC1H101J	100pF 50V	[M]
C4354	ECJ1VC1H101J	100pF 50V	[M]
C4355	ECJ1VB1H102K	1000pF 50V	[M]
C4356	ECJ1VB1H102K	1000pF 50V	[M]
C4357	ECJ1VC1H101J	100pF 50V	[M]
C4358	ECJ1VC1H101J	100pF 50V	[M]
C4359	F1K1E106A078	10uF 25V	[M]
C4360	F1K1E106A078	10uF 25V	[M]
C4361	ECJ1VB1H104K	0.1uF 50V	[M]
C4362	ECJ1VB1H104K	0.1uF 50V	[M]
C4371	ECJ1VB1C105K	1uF 16V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C4372	ECJ1VC1H220J	22pF 50V	[M]
C4373	ECJ1VB1H104K	0.1uF 50V	[M]
C4374	ECJ1VB1C105K	1uF 16V	[M]
C4375	ECJ1VB1H104K	0.1uF 50V	[M]
C4376	ECJ1VB1H104K	0.1uF 50V	[M]
C4377	ECJ1VC1H220J	22pF 50V	[M]
C4378	F2A0J470A245	47uF 6.3V	[M]
C4401	ECJ1VB1H104K	0.1uF 50V	[M]
C4402	ECJ1VB1H104K	0.1uF 50V	[M]
C4403	ECJ1VB1H104K	0.1uF 50V	[M]
C4404	ECJ1VB1H104K	0.1uF 50V	[M]
C4405	ECJ1VB1H104K	0.1uF 50V	[M]
C4407	ECJ1VB1H104K	0.1uF 50V	[M]
C4408	ECJ1VB1H104K	0.1uF 50V	[M]
C4409	ECA0JAK470XB	47uF 6.3V	[M]
C4410	ECJ1VB1H104K	0.1uF 50V	[M]
C4431	ECJ1VB1C105K	1uF 16V	[M]
C4432	ECJ1VB1C105K	1uF 16V	[M]
C4433	ECJ1VC1H101J	100pF 50V	[M]
C4434	ECJ1VC1H101J	100pF 50V	[M]
C4435	ECJ1VB1H102K	1000pF 50V	[M]
C4436	ECJ1VB1H102K	1000pF 50V	[M]
C4437	ECJ1VC1H101J	100pF 50V	[M]
C4438	ECJ1VC1H101J	100pF 50V	[M]
C4439	F1K1E106A078	10uF 25V	[M]
C4440	F1K1E106A078	10uF 25V	[M]
C4441	ECJ1VB1H104K	0.1uF 50V	[M]
C4442	ECJ1VB1H104K	0.1uF 50V	[M]
C4601	ECJ1VB1H102K	1000pF 50V	[M]
C4602	ECJ1VB1H102K	1000pF 50V	[M]
C4603	ECJ1VB1H102K	1000pF 50V	[M]
C4604	ECJ1VB1H102K	1000pF 50V	[M]
C4605	ECJ1VB1H102K	1000pF 50V	[M]
C4606	ECJ1VB1H102K	1000pF 50V	[M]
C4607	ECJ1VB1H102K	1000pF 50V	[M]
C4608	ECJ1VB1H102K	1000pF 50V	[M]
C4609	ECJ1VB1H102K	1000pF 50V	[M]
C4610	ECJ1VB1H102K	1000pF 50V	[M]
C4611	ECJ1VB1H102K	1000pF 50V	[M]
C4612	ECJ1VB1H102K	1000pF 50V	[M]
C4613	ECJ1VB1H102K	1000pF 50V	[M]
C4614	ECJ1VB1H102K	1000pF 50V	[M]
C4615	ECJ1VB1H102K	1000pF 50V	[M]
C4616	ECJ1VB1H102K	1000pF 50V	[M]
C4617	ECJ1VB1H102K	1000pF 50V	[M]
C4618	ECJ1VB1H102K	1000pF 50V	[M]
C5000	ECJ1VB1H102K	1000pF 50V	[M]
C5001	ECJ1VB1H102K	1000pF 50V	[M]
C5002	F1H1A474A001	0.47uF 10V	[M]
C5003	F1H1A474A001	0.47uF 10V	[M]
C5004	F1H1A474A001	0.47uF 10V	[M]
C5005	F1H1A474A001	0.47uF 10V	[M]
C5006	ECJ1VC1H470J	47pF 50V	[M]
C5007	ECJ1VC1H470J	47pF 50V	[M]
C5008	ECJ1VB1H153K	0.015uF 50V	[M]
C5009	ECJ1VB1H153K	0.015uF 50V	[M]
C5010	F1H2A221A009	220pF 100V	[M]
C5011	F1H2A221A009	220pF 100V	[M]
C5012	F1H2A221A009	220pF 100V	[M]
C5013	F1H2A221A009	220pF 100V	[M]
C5014	F0C1H8240001	0.82uF 50V	[M]
C5015	F0C1H8240001	0.82uF 50V	[M]
C5016	ECJ1VB1H104K	0.1uF 50V	[M]
C5017	ECJ1VB1H104K	0.1uF 50V	[M]
C5018	F1K2A1040007	0.1uF 100V	[M]
C5019	ECJ1VB1H104K	0.1uF 50V	[M]
C5020	ECJ1VB1H104K	0.1uF 50V	[M]
C5021	ECJ1VB1H104K	0.1uF 50V	[M]
C5022	ECJ1VB1H104K	0.1uF 50V	[M]
C5023	F1K2A1040007	0.1uF 100V	[M]
C5024	ECJ1VB1H104K	0.1uF 50V	[M]
C5025	ECJ1VB1H104K	0.1uF 50V	[M]
C5027	ECJ1VB1H104K	0.1uF 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C5028	ECJ1VB1H104K	0.1uF 50V	[M]
C5030	ECJ1VC1H221J	220pF 50V	[M]
C5031	ECJ1VB1C224K	0.22uF 16V	[M]
C5032	ECJ1VB1H102K	1000pF 50V	[M]
C5033	ECJ1VB1H104K	0.1uF 50V	[M]
C5040	F2A2A2200035	22uF 100V	[M]
C5106	F1H1A474A001	0.47uF 10V	[M]
C5107	F1H1A474A001	0.47uF 10V	[M]
C5117	ECJ1VB1H102K	1000pF 50V	[M]
C5119	ECJ1VB1H102K	1000pF 50V	[M]
C5120	F1H1A474A001	0.47uF 10V	[M]
C5121	F1H1A474A001	0.47uF 10V	[M]
C5133	F2A0J101A245	100uF 6.3V	[M]
C5150	ECJ1VC1H470J	47pF 50V	[M]
C5151	ECJ1VC1H470J	47pF 50V	[M]
C5152	ECJ1VC1H470J	47pF 50V	[M]
C5155	ECJ1VC1H470J	47pF 50V	[M]
C5200	ECJ1VB1H104K	0.1uF 50V	[M]
C5201	ECJ1VB1H153K	0.015uF 50V	[M]
C5202	ECJ1VB1C224K	0.22uF 16V	[M]
C5203	F1H2A221A009	220pF 100V	[M]
C5204	ECJ1VB1H153K	0.015uF 50V	[M]
C5205	F1H2A221A009	220pF 100V	[M]
C5206	ECJ1VB1H104K	0.1uF 50V	[M]
C5207	F1K2A1040007	0.1uF 100V	[M]
C5208	ECJ1VB1H104K	0.1uF 50V	[M]
C5209	ECJ1VB1H104K	0.1uF 50V	[M]
C5211	F1H2A221A009	220pF 100V	[M]
C5212	ECJ1VC1H221J	220pF 50V	[M]
C5213	ECJ1VB1H104K	0.1uF 50V	[M]
C5214	ECJ1VB1H104K	0.1uF 50V	[M]
C5216	ECJ1VC1H470J	47pF 50V	[M]
C5217	ECJ1VB1H104K	0.1uF 50V	[M]
C5218	F1H2A221A009	220pF 100V	[M]
C5219	F1K2A1040007	0.1uF 100V	[M]
C5220	ECJ1VB1H104K	0.1uF 50V	[M]
C5221	ECJ1VB1H102K	1000pF 50V	[M]
C5222	F1H1A474A001	0.47uF 10V	[M]
C5223	F1H1A474A001	0.47uF 10V	[M]
C5224	ECJ1VC1H470J	47pF 50V	[M]
C5225	F0C1H8240001	0.82uF 50V	[M]
C5226	ECJ1VB1H104K	0.1uF 50V	[M]
C5227	ECJ1VB1H104K	0.1uF 50V	[M]
C5228	F0C1H8240001	0.82uF 50V	[M]
C5231	ECJ1VB1H102K	1000pF 50V	[M]
C5232	F1H1A474A001	0.47uF 10V	[M]
C5233	F1H1A474A001	0.47uF 10V	[M]
C5234	ECJ1VB1H102K	1000pF 50V	[M]
C5240	F2A2A2200035	22uF 100V	[M]
C5300	F0C1H8240001	0.82uF 50V	[M]
C5301	ECJ1VB1H104K	0.1uF 50V	[M]
C5302	ECJ1VB1H104K	0.1uF 50V	[M]
C5303	ECJ1VB1H104K	0.1uF 50V	[M]
C5304	ECJ1VC1H470J	47pF 50V	[M]
C5305	ECJ1VB1H104K	0.1uF 50V	[M]
C5306	ECJ1VB1H104K	0.1uF 50V	[M]
C5307	F1H2A221A009	220pF 100V	[M]
C5309	ECJ1VB1H104K	0.1uF 50V	[M]
C5310	ECJ3YB2A104K	0.1uF 100V	[M]
C5311	F1H2A221A009	220pF 100V	[M]
C5312	ECJ1VC1H470J	47pF 50V	[M]
C5313	ECJ1VB1H104K	0.1uF 50V	[M]
C5314	F1H1A474A001	0.47uF 10V	[M]
C5315	ECJ1VB1H102K	1000pF 50V	[M]
C5316	ECJ1VB1H104K	0.1uF 50V	[M]
C5317	F1H1A474A001	0.47uF 10V	[M]
C5318	ECJ1VB1H104K	0.1uF 50V	[M]
C5319	ECJ3YB2A104K	0.1uF 100V	[M]
C5321	ECJ1VB1C224K	0.22uF 16V	[M]
C5322	ECJ1VB1H153K	0.015uF 50V	[M]
C5323	ECJ1VC1H221J	220pF 50V	[M]
C5324	ECJ1VB1H153K	0.015uF 50V	[M]
C5325	F1H2A221A009	220pF 100V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C5326	F1H2A221A009	220pF 100V	[M]
C5327	ECJ1VB1H104K	0.1uF 50V	[M]
C5328	F0C1H8240001	0.82uF 50V	[M]
C5331	ECJ1VB1H102K	1000pF 50V	[M]
C5332	F1H1A474A001	0.47uF 10V	[M]
C5333	ECJ1VB1H102K	1000pF 50V	[M]
C5334	F1H1A474A001	0.47uF 10V	[M]
C5400	F0C1H8240001	0.82uF 50V	[M]
C5401	ECJ1VB1H104K	0.1uF 50V	[M]
C5402	ECJ1VB1H104K	0.1uF 50V	[M]
C5403	ECJ1VB1H104K	0.1uF 50V	[M]
C5404	ECJ1VC1H470J	47pF 50V	[M]
C5405	ECJ1VB1H104K	0.1uF 50V	[M]
C5406	ECJ1VB1H104K	0.1uF 50V	[M]
C5407	F1H2A221A009	220pF 100V	[M]
C5409	ECJ1VB1H104K	0.1uF 50V	[M]
C5410	F1K2A1040007	0.1uF 100V	[M]
C5411	F1H2A221A009	220pF 100V	[M]
C5412	ECJ1VC1H470J	47pF 50V	[M]
C5413	ECJ1VB1H104K	0.1uF 50V	[M]
C5416	ECJ1VB1H104K	0.1uF 50V	[M]
C5418	ECJ1VB1H104K	0.1uF 50V	[M]
C5419	F1K2A1040007	0.1uF 100V	[M]
C5421	ECJ1VB1C224K	0.22uF 16V	[M]
C5422	ECJ1VB1H153K	0.015uF 50V	[M]
C5423	ECJ1VC1H221J	220pF 50V	[M]
C5424	ECJ1VB1H153K	0.015uF 50V	[M]
C5425	F1H2A221A009	220pF 100V	[M]
C5426	F1H2A221A009	220pF 100V	[M]
C5427	ECJ1VB1H104K	0.1uF 50V	[M]
C5428	F0C1H8240001	0.82uF 50V	[M]
C5431	ECJ1VB1H102K	1000pF 50V	[M]
C5440	F2A2A2200035	22uF 100V	[M]
C5445	ECJ1VB1H104K	0.1uF 50V	[M]
C5508	F2A1V4710074	470uF 35V	[M]
C5509	F2A1V4710074	470uF 35V	[M]
C5510	F2A1V4710074	470uF 35V	[M]
C5511	F2A1V4710074	470uF 35V	[M]
C5512	F2A1V4710074	470uF 35V	[M]
C5513	F2A1V4710074	470uF 35V	[M]
C5514	ECJ1VB1H104K	0.1uF 50V	[M]
C5515	ECJ1VB1H104K	0.1uF 50V	[M]
C5516	F2A1V4710074	470uF 35V	[M]
C5517	F2A1V4710074	470uF 35V	[M]
C5518	ECJ1VB1H104K	0.1uF 50V	[M]
C5519	ECJ1VB1H104K	0.1uF 50V	[M]
C5520	ECJ1VB1H104K	0.1uF 50V	[M]
C5521	ECJ1VB1H104K	0.1uF 50V	[M]
C5522	ECJ1VB1H104K	0.1uF 50V	[M]
C5523	ECJ1VB1H104K	0.1uF 50V	[M]
C5524	ECJ1VB1H104K	0.1uF 50V	[M]
C5525	ECJ1VB1H104K	0.1uF 50V	[M]
C5540	F2A2A2200035	22uF 100V	[M]
C5550	ECJ1VB1H103K	0.01uF 50V	[M]
C5551	ECJ1VB1H391K	390pF 50V	[M]
C5552	ECJ1VB1H391K	390pF 50V	[M]
C5553	ECJ1VC1H101J	100pF 50V	[M]
C5554	ECJ1VB1H104K	0.1uF 50V	[M]
C5555	F1K1C1060001	10uF 16V	[M]
C5556	ECJ1VB1H103K	0.01uF 50V	[M]
C5557	ECJ1VC1H221J	220pF 50V	[M]
C5558	ECJ1VC1H470J	47pF 50V	[M]
C5559	ECJ1VC1H470J	47pF 50V	[M]
C5560	ECJ1VB1H104K	0.1uF 50V	[M]
C5601	ECA1CAK100XB	10uF 16V	[M]
C5602	F2A1C100A234	10uF 16V	[M]
C5690	ECJ1VB1H102K	1000pF 50V	[M]
C5691	ECA1EAK100XB	10uF 25V	[M]
C5692	ECA0JAK221XB	220uF 6.3V	[M]
C5693	ECJ1VB1H104K	0.1uF 50V	[M]
C5694	ECA1CAK330XB	33uF 16V	[M]
C5695	ECJ1VB1H104K	0.1uF 50V	[M]
C5696	ECEA1EKS220B	22uF 25V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C5697	ECA1HAK010XB	1uF 50V	[M]
C5700	F1BAF1020020	1000pF	[M] ⚠
C5701	ECQU2A104MLC	0.1uF	[M] ⚠
C5702	ECQU2A104MLC	0.1uF	[M] ⚠
C5703	ECQU2A104MLC	0.1uF	[M] ⚠
C5704	F1BAF1020020	1000pF	[M] ⚠
C5712	F2A2D8210001	820uF 200V	[M]
C5713	F0C2J1030005	0.01uF 630V	[M]
C5720	ECJ1VB1H102K	1000pF 50V	[M]
C5721	ECJ1VB1H221K	220pF 50V	[M]
C5722	ECJ1VB1H102K	1000pF 50V	[M]
C5723	ECJ1VB1H471K	470pF 50V	[M]
C5724	F2A1H5600009	56uF 50V	[M]
C5725	ECJ1VB1H104K	0.1uF 50V	[M]
C5726	ECJ1VB1H104K	0.1uF 50V	[M]
C5727	ECWH8332JVB	3300pF 800V	[M]
C5728	ECJ1VB1H102K	1000pF 50V	[M]
C5730	ECEA1HKS010B	1uF 50V	[M]
C5790	ECJ3YB2J222K	2200pF 630V	[M]
C5791	ECEA1HKA2R2B	2.2uF 50V	[M]
C5794	ECJ1VC1H220J	22pF 50V	[M]
C5795	F1J1H473A022	0.047uF 50V	[M]
C5796	F1J1H104A717	0.1uF 50V	[M]
C5797	F1A3A470A023	47pF 1000V	[M]
C5798	F2A1H5600009	56uF 50V	[M]
C5800	F1J2E1030004	0.01uF 250V	[M]
C5805	F2B1V222A007	2200uF 35V	[M]
C5808	F2B1V222A007	2200uF 35V	[M]
C5810	ECJ1VB1H104K	0.1uF 50V	[M]
C5811	F1J2E1030004	0.01uF 250V	[M]
C5812	ECJ1VB1H104K	0.1uF 50V	[M]
C5813	F2A1V4710036	470uF 35V	[M]
C5815	ECJ1VB1H104K	0.1uF 50V	[M]
C5816	F2A1E471A652	470uF 25V	[M]
C5817	F2A2AR22A358	0.22uF 100V	[M]
C5818	ECJ1VB1H104K	0.1uF 50V	[M]
C5819	F1J2E1030004	0.01uF 250V	[M]
C5820	F1J2E1030004	0.01uF 250V	[M]
C5821	F1J2E1030004	0.01uF 250V	[M]
C5822	F1J2E1030004	0.01uF 250V	[M]
C5823	ECJ1VB1H104K	0.1uF 50V	[M]
C5824	F2A1E471A652	470uF 25V	[M]
C5825	ECJ1VB1H104K	0.1uF 50V	[M]
C5826	F1J2E1030004	0.01uF 250V	[M]
C5827	F1J2E1030004	0.01uF 250V	[M]
C5831	ECJ1VB1H104K	0.1uF 50V	[M]
C5832	ECJ1VB1H104K	0.1uF 50V	[M]
C5869	ECJ1VB1H104K	0.1uF 50V	[M]
C5870	ECJ1VB1H104K	0.1uF 50V	[M]
C5896	ECJ1VB1H104K	0.1uF 50V	[M]
C5897	ECJ1VB1H104K	0.1uF 50V	[M]
C5898	ECJ1VB1H104K	0.1uF 50V	[M]
C5899	F2A1C221A104	220uF 16V	[M]
C5991	F1H1E105A116	1uF 25V	[M]
C6301	ECJ1VB1H102K	1000pF 50V	[M]
C6302	ECJ1VB1H102K	1000pF 50V	[M]
C6930	ECA0JAK101XB	100uF 6.3V	[M]
C7001	F2A1E1020042	1000uF 25V	[M]
C7002	F2A0J222A247	2200uF 6.3V	[M]
C7003	ECJ1VB1C105K	1uF 16V	[M]
C7004	F2A0J221A245	220uF 6.3V	[M]
C7005	F2A1V470A654	47uF 35V	[M]
C7006	F2A1V330A379	33uF 35V	[M]
C7007	F2A1A1010102	100uF 10V	[M]
C7008	ECJ1VB1C105K	1uF 16V	[M]
C7009	F2A0J222A247	2200uF 6.3V	[M]
C7011	F2A0J3310059	330uF 6.3V	[M]
C7012	F2A0J3310059	330uF 6.3V	[M]
C7013	F2A0J3310059	330uF 6.3V	[M]
C7014	F2A0J3310059	330uF 6.3V	[M]
C7015	F2A0J3310059	330uF 6.3V	[M]
C7016	F2A1C470A234	47uF 16V	[M]
C7017	ECA1CAK100XB	10uF 16V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C7021	F2A1A101A206	100uF 10V	[M]
C7028	F1K1E106A078	10uF 25V	[M]
C7033	F2A1C471A537	470uF 16V	[M]
C7034	F2A1C471A537	470uF 16V	[M]
C7051	ECJ1VB1H102K	1000pF 50V	[M]
C7052	ECJ1VB1H102K	1000pF 50V	[M]
C7057	ECJ1VB1H104K	0.1uF 50V	[M]
C7059	F1H1E105A116	1uF 25V	[M]
C7067	F2A1C471A537	470uF 16V	[M]
C7068	ECEA1AKA101B	100uF 10V	[M]
C7070	ECJ1VB1H392K	3900pF 50V	[M]
C7082	ECJ1VB1H104K	0.1uF 50V	[M]
C7728	F1K1E106A078	10uF 25V	[M]
C7733	F2A1C471A537	470uF 16V	[M]
C7757	ECJ1VB1H104K	0.1uF 50V	[M]
C7767	F2A1C471A537	470uF 16V	[M]
C7782	ECJ1VB1H104K	0.1uF 50V	[M]
C7783	ECJ1VB1A105K	1uF 10V	[M]
C7784	ECA0JAK101XB	100uF 6.3V	[M]
C8001	F2A0J331A247	330uF 6.3V	[M]
C8002	F2A0J470A245	47uF 6.3V	[M]
C8003	F2A0J470A245	47uF 6.3V	[M]
C8004	F2A0J470A245	47uF 6.3V	[M]
C8005	ECJ1VB1H472K	4700pF 50V	[M]
C8006	F2A0J470A245	47uF 6.3V	[M]
C8014	ECJ1VB1H104K	0.1uF 50V	[M]
C8015	ECJ1VC1H220J	22pF 50V	[M]
C8016	ECJ1VC1H220J	22pF 50V	[M]
C8017	F1J0J106A014	10uF 6.3V	[M]
C8018	F1J0J106A014	10uF 6.3V	[M]
C8026	ECJ1VB1H472K	4700pF 50V	[M]
C8047	ECJ1VB1H472K	4700pF 50V	[M]
C8051	ECJ1VB1H472K	4700pF 50V	[M]
C8053	ECJ1VC1H101J	100pF 50V	[M]
C8054	ECJ1VC1H101J	100pF 50V	[M]
C8064	ECJ1VB1H472K	4700pF 50V	[M]
C8086	ECJ1VB1H472K	4700pF 50V	[M]
C8096	ECJ1VB1H472K	4700pF 50V	[M]
C8097	ECJ1VB1H472K	4700pF 50V	[M]
C8098	ECJ1VB1H472K	4700pF 50V	[M]
C8099	ECJ1VB1H472K	4700pF 50V	[M]
C8401	ECJ1VB1H102K	1000pF 50V	[M]
C8402	ECJ1VB1H102K	1000pF 50V	[M]
C8403	ECJ1VB1H102K	1000pF 50V	[M]
C8404	ECJ1VB1H102K	1000pF 50V	[M]
C8405	F2A0J1220028	1200uF 6.3V	[M]
C8407	ECJ1VB1H102K	1000pF 50V	[M]
C8408	ECJ1VB1H102K	1000pF 50V	[M]