

Service Manual

Home Theater Audio System

Model No. **SU-HTB550GK**

SU-HTB550GS

SU-HTB550GSX

SB-HTB550P

SB-HTB550GK

SB-HWA520GK

SB-HWA520GS

SB-HWA520GSX

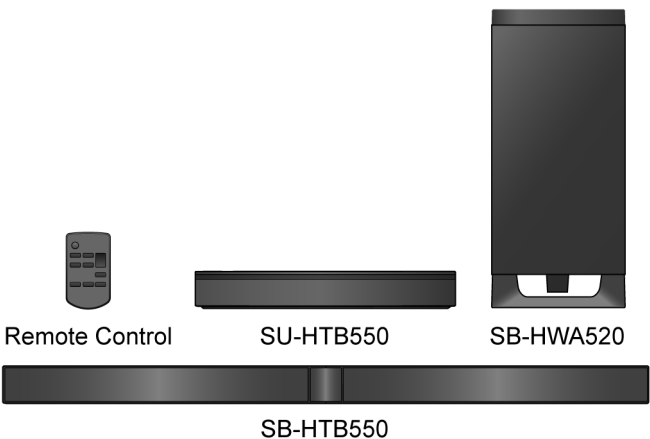
SC-HTB550GK

SC-HTB550GS

SC-HTB550GSX

VIERA Link™

HDMI



Product Color: (K)...Black Type

⚠ 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 of 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.

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and 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 OF CONTENTS

	PAGE		PAGE
1 Safety Precautions -----	3	1.7. Safety Part Information -----	6
1.1. General Guidelines-----	3	1.8. Safety Installation Instructions -----	7
1.2. Before Repair and Adjustment-----	4	2 Warning -----	8
1.3. Protection Circuitry-----	4	2.1. Prevention of Electro Static Discharge (ESD)	
1.4. Caution For Fuse Replacement-----	4	to Electrostatically Sensitive (ES) Devices -----	8
1.5. Caution For SMPS Module-----	4	2.2. Service caution based on Legal restrictions -----	9
1.6. Caution for the AC Mains Lead (For GS only) -----	5	3 Service Navigation -----	10

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3.1. Service Information	10
4 Specifications	11
5 General/Introduction	12
5.1. About VIERA Link	12
5.2. Others (Licenses)	13
6 Location of Controls and Components	14
6.1. Main Unit Key Button Operations	14
6.2. Indicator illumination	15
6.3. Remote Control Key Button Operations	16
7 Installation Instructions	17
7.1. Connections	17
8 Service Mode	20
8.1. Service Mode	20
8.2. Displayed Error Codes	23
8.3. Cold start	24
8.4. Pairing mode	24
8.5. SET AUDIO DELAY	24
9 Troubleshooting Guide	25
10 Service Fixture & Tools	27
11 Disassembly and Assembly Instructions	28
11.1. Disassembly flow chart	29
11.2. Types of Screws	31
11.3. Main Parts Location Diagram	32
11.4. Main Unit (SU-HTB550)	34
11.5. Front Speakers (SB-HTB550)	50
11.6. Active Subwoofer (SB-HWA520)	70
12 Service Position	79
12.1. Main Unit (SU-HTB550)	79
12.2. Active Subwoofer (SB-HWA520)	83
13 Overall Simplified Block	85
13.1. Overall Control Diagram	85
13.2. Power Supply Diagram	86
14 Block Diagram	87
14.1. SYSTEM CONTROL BLOCK DIAGRAM	87
14.2. HDMI BLOCK DIAGRAM	88
14.3. AUDIO BLOCK DIAGRAM	89
14.4. IC TERMINAL CHART	90
14.5. POWER SUPPLY (1/2) BLOCK DIAGRAM	91
14.6. POWER SUPPLY (2/2) BLOCK DIAGRAM	92
14.7. AUDIO & POWER SUPPLY BLOCK DIAGRAM	93
15 Wiring Connection Diagram	94
15.1. Main Unit (SU-HTB550)	94
15.2. Active Subwoofer (SB-HWA520)	95
16 Schematic Diagram	97
16.1. Schematic Diagram Notes	97
16.2. Main Unit (SU-HTB550)	99
16.3. Active Subwoofer (SB-HWA520)	111
17 Printed Circuit Board	114
17.1. Main Unit (SU-HTB550)	114
17.2. Active Subwoofer (SB-HWA520)	119
18 Appendix Information of Schematic Diagram	121
18.1. Voltage Measurement & Waveform Chart	121
18.2. Illustration of IC's, Transistors and Diodes	133
18.3. Terminal Function of IC's	134
19 Exploded View and Replacement Parts List	137
19.1. Exploded View and Mechanical replacement Parts List	137
19.2. Electrical Replacement Parts List	145

1 Safety Precautions

1.1. General Guidelines

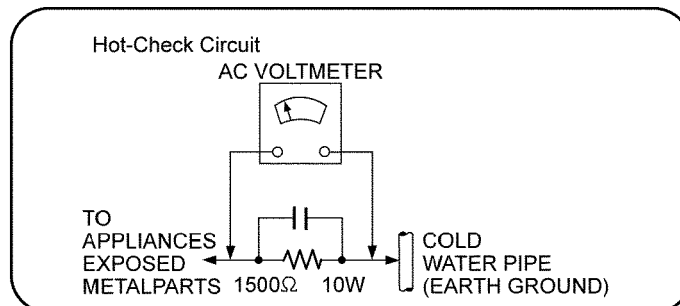
1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, ensure that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, check for leakage current checks to prevent 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. Using an ohmmeter measure the resistance value, 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 $1M\Omega$ and 5.2Ω . 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 $1.5k\Omega$, 10 watts resistor, in parallel with a $0.15\mu F$ 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. should the measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and re-checked before it is returned to the customer.



1.2. Before Repair and Adjustment

Main Unit (SU-HTB550)

Disconnect AC power, discharge AC Capacitors as such C5700, C5701, C5702, C5703 and C5705 through a 10W, 1W 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 AC 220V, 50 Hz in Power On, No signal, Volume minimum, SEL: HDMI/OPT mode should be ~200 mA (For GK).
- Current consumption at AC 110-240V, at 50/60 Hz in Power On, No signal, Volume minimum, SEL: HDMI/OPT mode should be ~180 mA (For GS/GSX).

Active Subwoofer (SB-HWA520)

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 220V, 50 Hz in Power On link, Volume minimum, SEL: DVD mode should be ~220 mA (For GK).
- Current consumption at AC 110-240V, 50/60 Hz in Power On link, Volume minimum, SEL: DVD mode should be ~220 mA (For GS/GXS).

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. Caution For Fuse Replacement

1.4.1. SU-HTB550

CAUTION:

Replace with the same type fuse:

(Manufacturer: SKYGATE, Type: SG SCT, F1, T3.15A 250V)

1.5. Caution For SMPS Module

Caution:

Active Subwoofer (SB-HWA520) uses SMPS Module to supply the voltage & power required for the circuitries. It is replaced as an assembly, do not attempt to replace or repair by individual components.

1.6. Caution for the AC Mains Lead (For GS only)

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience. A 5-ampere fuse is fitted in this plug. Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362. Check for the ASTA mark  or the BSI mark  on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local dealer.

CAUTION!

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY. THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE SOCKET.

If a new plug is to be fitted please observe the wiring code as stated below.

If in any doubt please consult a qualified electrician.

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Blue: Neutral, Brown: Live.

As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black or Blue.

The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Brown or Red.

WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E, BY THE EARTH SYMBOL  OR COLOURED GREEN OR GREEN/YELLOW.

THIS PLUG IS NOT WATERPROOF—KEEP DRY.

Before use

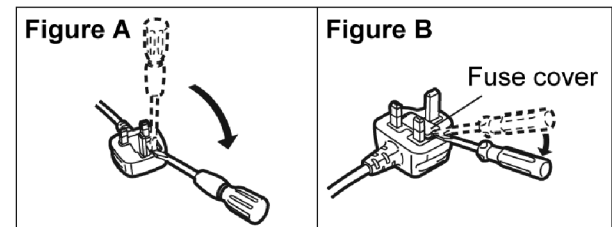
Remove the connector cover.

How to replace the fuse

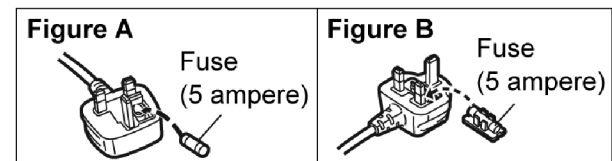
The location of the fuse differ according to the type of AC mains plug (figures A and B). Confirm the AC mains plug fitted and follow the instructions below.

Illustrations may differ from actual AC mains plug.

1. Open the fuse cover with a screwdriver.



2. Replace the fuse and close or attach the fuse cover.



1.7. Safety Part 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.

1.7.1. Main Unit (SU-HTB550)

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
⚠	11	RGR0423B-F	REAR PANEL	GS, GSX
⚠	11	RGR0423B-H	REAR PANEL	GK
⚠	27	RMZ1264	SMPS INSULATOR BOTTOM	
⚠	28	RFKKUHTB350P	TOP PANEL ASS'Y	
⚠	PCB7	REP4737MA	SMPS P.C.B.	(RTL) GK
⚠	PCB7	REP4737NA	SMPS P.C.B.	(RTL) GS, GSX
⚠	DZ5701	ERZV10V511CS	ZNR	
⚠	L5702	ELF19H820E	LINE FILTER	
⚠	L5703	ELF19H010A	LINE FILTER	
⚠	T5701	ETS35BL166AD	MAIN TRANSFORMER	
⚠	PC5720	B3PBA0000503	PHOTO COUPLER	
⚠	PC5760	B3PBA0000503	PHOTO COUPLER	
⚠	F1	K5G312Y00007	FUSE	
⚠	TH5702	D4CAA5R10001	THERMISTOR	
⚠	P5701	K2AA2B000011	AC INLET	
⚠	R5700	ERJ8GEYJ105V	1M 1/4W	
⚠	R5701	ERJ8GEYJ105V	1M 1/4W	
⚠	R5710	ERJ8GEYJ105V	1M 1/4W	
⚠	C5700	F1BAF471A013	470pF	
⚠	C5701	F0CAF104A105	0.1uF	
⚠	C5702	F0CAF104A105	0.1uF	
⚠	C5703	F0CAF104A105	0.1uF	
⚠	C5705	F1BAF1020020	1000pF	GK
⚠	C5705	F1BAF471A013	470pF	GS, GSX

1.7.2. Front Speaker (SB-HTB550)

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
⚠	3	RYQ0955-K	REAR CABINET ASSY	P
⚠	3	RYQ0988-K	REAR CABINET ASSY	GK

1.7.3. Active Subwoofer (SB-HWA520)

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
⚠	66	RGN3229-K	SPEC LABEL	GS1
⚠	66	RGN3231-K1	SPEC LABEL	GK1
⚠	PCB14	REP4806BD	AC INLET	(RTL)
⚠	PCB15	N0AE3ZJ00001	SMPS P.C.B	
⚠	PCB16	REP4814A	DIGITAL RECEIVER MODULE P.C.B.	
⚠	P5701	K2AAYA000001	AC INLET	

1.7.4. System (SC-HTB550)

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
⚠	A1	N2QAYC000064	REMOTE CONTROL	
⚠	A2	K2CA2CA00035	AC CORD	GK
⚠	A2	K2CP2YY00061	AC CORD (2P FOR THAI)	GS, GSX
⚠	A2	K2CQ2CA00006	AC CORD (2P FOR EUROPEAN)	GS, GSX
⚠	A2	K2CT2CA00007	AC CORD (3P)	GS, GSX
⚠	A3	RQT9667-G	O/I BOOK (En,Cn,Ar)	GS, GSX
⚠	A3	RQT9669-K	O/I BOOK (Cn)	GK

1.8. Safety Installation Instructions

Professional installation is required.

The installation should never be done by any other than a qualified installation specialist.
PANASONIC DISCLAIMS ANY PROPERTY DAMAGE AND/OR SERIOUS INJURY, INCLUDING DEATH RESULTING FROM IMPROPER INSTALLATION OR INCORRECT HANDLING.

- Be sure to install this unit as indicated within this Owner's manual.

WARNING

Ensure that the installation location is strong enough to support long-term use.

- If its strength becomes insufficient over the course of long-term use, the unit may drop, possibly causing injury.

The installation work should be done by a qualified installation specialist.

- Incorrect installation may cause equipment to fall, and personal injury may result.

Include a safety factor when considering the strength of the proposed installation location.

- If strength is not sufficient the equipment may fall, and personal injury may result.

Do not install in a location that cannot bear the load.

- If the installation location lacks sufficient strength, the equipment may fall.

Do not modify the wall mount brackets.

- Otherwise the unit may fall and become damaged, and personal injury may result.

Install the unit by taking only the steps which are specified in these instructions: Do not install it in any other way.

- Otherwise the unit may drop and become damaged, and personal injury may result.

Do not install on a location other than a vertical wall.

- Otherwise the unit may drop and become damaged, and personal injury may result.

CAUTION

Do not install in any locations subject to humidity, dust, smoke, steam or heat or under an air conditioner where water may drip onto the unit.

- This may have an adverse effect on the unit and cause fire or electric shock.

Leave a clearance between the rear panel and the wall.

- The unit has air ventilation holes at the front and rear. Covering these may result in a fire.

Install the mounting screws and power cable in such a way that they will not make contact with metal objects or wiring inside the wall.

- Electric shocks may result from contact with any metal objects inside the wall.

For installation, use the special-purpose constituent parts.

- Otherwise, the unit may fall off the wall, and personal injury may result.

When removing this unit, remove the wall mounting screws as well.

- Otherwise the mounting screws may get caught and personal injury may result.

To operate this unit safely, install it at an appropriate height.

- Otherwise the unit may fall, and personal injury may result.

2 Warning

2.1. Prevention of Electro Static Discharge (ESD) to Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by 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 electro static 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 aluminium foil, to prevent electrostatic charge build up or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder remover device. Some solder removal devices not classified as “anti-static (ESD protected)” can generate electrical charge 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, aluminium 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 body 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).

2.2. Service caution based on Legal restrictions

2.2.1. 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%

3 Service Navigation

3.1. Service Information

This service manual contains technical information which will allow service personnel's to understand and service this model. Please place orders using the parts list and not the drawing reference numbers.

If the circuit is changed or modified, this information will be followed by supplement service manual to be filed with original service manual.

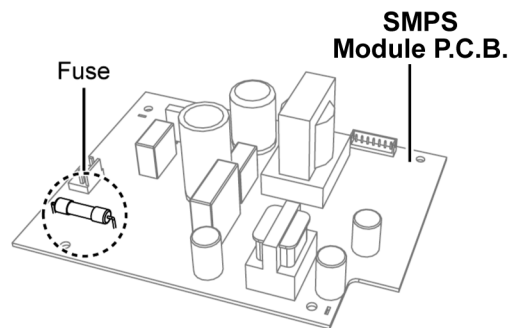
- **Microprocessor :**

The following components are supplied as an assembled part.

- Microprocessor IC, IC2301 (RFKWMHTB550P).

- **SMPS Module :**

Active Subwoofer (SB-HWA520) uses SMPS Module to supply the voltage & power required for the circuitries. It is replaced as an assembly, do not attempt to replace or repair by individual components.



4 Specifications

■ Amplifier Section

RMS Output Power	
10% total harmonic distortion	
Subwoofer ch	120 W per channel (100 Hz, 8 Ω)
Front ch (L, R ch)	60 W per channel (1 kHz, 6 Ω)
Total RMS Dolby Digital mode power	240 W

■ Wireless section

Wireless module	
Frequency Range	2.4 GHz to 2.4835 GHz
Number of channels	3

■ Terminal Section

HDAVI Control	This unit supports "HDAVI Control 5" function.
HDMI AV input (BD/DVD, AUX1)	2
Input connector	Type A (19 pin)
HDMI AV output (TV (ARC))	1
Output connector	Type A (19 pin)
Digital audio input	
Optical digital input (TV, AUX2)	2
Sampling frequency	32 kHz, 44.1 kHz, 48 kHz 88.2 kHz, 96 kHz (only LPCM)
Audio format	LPCM, Dolby Digital, DTS

■ Speaker Section

Front speakers	
2 way, 2 speaker system (Bass reflex type)	
Speaker unit(s)	Impedance 6 Ω
Woofer	6.5 cm cone type x 1
Tweeter	2.5 cm semi-dome type x 1
Frequency range	100 Hz to 30 kHz (-16 dB) 150 Hz to 25 kHz (-10 dB)

Active subwoofer

1 way, 1 speaker system (Bass reflex type)	
Woofer	16 cm cone type x 1
Frequency range	30 Hz to 180 Hz (-16 dB) 35 Hz to 160 Hz (-10 dB)

■ General

Power consumption	Main Unit: 33 W Active subwoofer: 23 W
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In standby condition

(When the other connected devices are turned off)	Main Unit: Approx. 0.2 W
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Active subwoofer: Approx. 0.2 W

Power supply

AC 220 V, 50 Hz (For GK)
AC 110 V to 240 V, 50/60 Hz (For GS/GSX)

Dimensions (W x H x D)

Main Unit	
Cabinet dimension	310 mm x 44 mm x 195 mm
Maximum outer dimension	310 mm x 45 mm x 202 mm
Active subwoofer	180 mm x 408 mm x 306 mm
Mass (Weight)	
Main Unit	1.1 kg
Active subwoofer	5.2 kg
Operating temperature range	0°C to +40°C
Operating humidity range	20% to 80 % RH (no condensation)

■ Speaker general

Horizontal placement using the stands	
Dimensions (W x H x D)	956 mm x 102 mm x 74 mm
Mass (Weight)	1.61 kg
Horizontal placement using the speaker feet and the support legs	

Dimensions (W x H x D)	956 mm x 78 mm x 55 mm
Mass (Weight)	1.57 kg
Horizontal placement (for wall mount)	
Dimensions (W x H x D)	956 mm x 75 mm x 35 mm
Mass (Weight)	1.54 kg
Vertical placement using the speaker bases	
Dimensions (W x H x D)	148 mm x 528 mm x 145 mm
Mass (Weight)	0.88 kg
Vertical placement (for wall mount)	
Dimensions (W x H x D)	75 mm x 478 mm x 35 mm
Mass (Weight)	0.77 kg

- Specifications are subject to change without notice. Weight and dimensions are approximate.
- Total harmonic distortion is measured by the digital spectrum analyzer.

■ System: SC-HTB550GKK	MAIN UNIT : SU-HTB550GKK FRONT SPEAKERS : SB-HTB550GKK ACTIVE SUBWOOFER : SB-HWA520GK1
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■ System: SC-HTB550GSK	MAIN UNIT : SU-HTB550GSK FRONT SPEAKERS : SB-HTB550P-K ACTIVE SUBWOOFER : SB-HWA520GS1
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■ System: SC-HTB550GSX	MAIN UNIT : SU-HTB550GSX FRONT SPEAKERS : SB-HTB550P-K ACTIVE SUBWOOFER : SB-HWA520GSX
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5 General/Introduction

5.1. About VIERA Link

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) under “HDAVI Control”.

You can use this function by connecting the equipment with an HDMI cable. See the operating instructions for connected equipment for operational details.

Preparation

- ① Confirm that the HDMI connection has been made.
- ② Set the “HDAVI Control” operations on the connected equipment (e.g., TV).
- ③ For the optimal “HDAVI Control” operations change the following settings on the connected TV*1.
 - Set the default speaker settings to this system.*2
 - Set the speaker selection settings to this system.
- ④ Turn on all “HDAVI Control” compatible equipment and select the TV’s input for this system so that the “HDAVI Control” function works properly.
- ⑤ If a device is connected to the HDMI IN terminal, start play to check that the picture is displayed on the TV correctly.

When the connection or settings are changed, repeat this procedure.

- *1 The availability and function of the settings may vary depending on the TV. Refer to the operating instructions for the TV for details.
- *2 If the TV has a default speaker setting within the VIERA Link setting items, choosing this system as the default speaker will automatically change the speaker selection to this system.



- 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 5” function. “HDAVI Control 5” is the newest standard (current as of November, 2011) for Panasonic’s HDAVI Control compatible equipment. 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”

To make sure that the audio is output from this system, turn the main unit on by using the TV’s remote control and selecting home theater from the speaker menu of VIERA Link menu. The availability and function of the settings may vary depending on the TV. Refer to the operating instructions for the TV for details.

■ Speaker control

You can select whether audio output is from this system or the TV speakers by using the TV menu settings.

Home theater

This system is active.

- When this system is in standby mode, changing the TV speakers to this system in the VIERA Link menu will automatically turn this system on and select TV as the source.
- You can control the volume setting of this system using the volume or mute button on the TV remote control.
- If you turn off this system, TV speakers will be automatically activated.
- Audio will automatically be output from this system if the TV is compatible to VIERA Link “HDAVI Control 4” or later.

TV

TV speakers are active

- The volume of this system is set to its minimum.

■ Automatic input switching

When the following operations are performed, this system will automatically change the input to the corresponding source.

- When play starts on an HDMI connected device.*3
- When the TV input or the TV channel is changed.

- *3 If the speaker output setting on the TV is set to this system, the TV and this system turn on automatically (Power on link).

■ Power off link

When the TV is turned off, the main unit also turns off automatically.

■ Automatic lip-sync function (for HDAVI Control 3 or later)

Delay between audio and video is automatically adjusted by adding time-lag to the audio output, enabling you to enjoy smooth audio for the picture.



The delay information is automatically set if the TV is compatible to VIERA Link “HDAVI Control 3” or later and the VIERA Link is set to on.

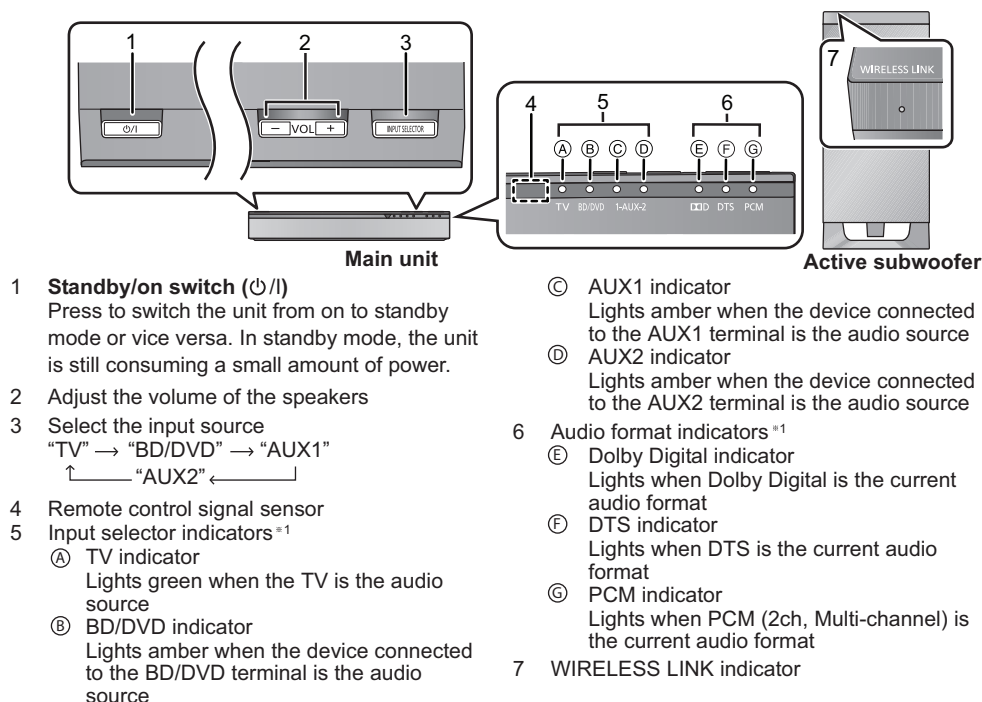
5.2. Others (Licenses)

Manufactured under license from Dolby Laboratories. Dolby, Pro Logic, and the double-D symbol are trademarks of Dolby Laboratories.
Manufactured under license under U.S. Patent Nos: 5,956,674; 5,974,380; 6,487,535 & other U.S. and worldwide patents issued & pending. DTS, the Symbol, & DTS and the Symbol together are registered trademarks & DTS Digital Surround and the DTS logos are trademarks of DTS, Inc. Product includes software. © DTS, Inc. All Rights Reserved.
HDMI, the HDMI Logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.
HDAVI Control™ is a trademark of Panasonic Corporation.

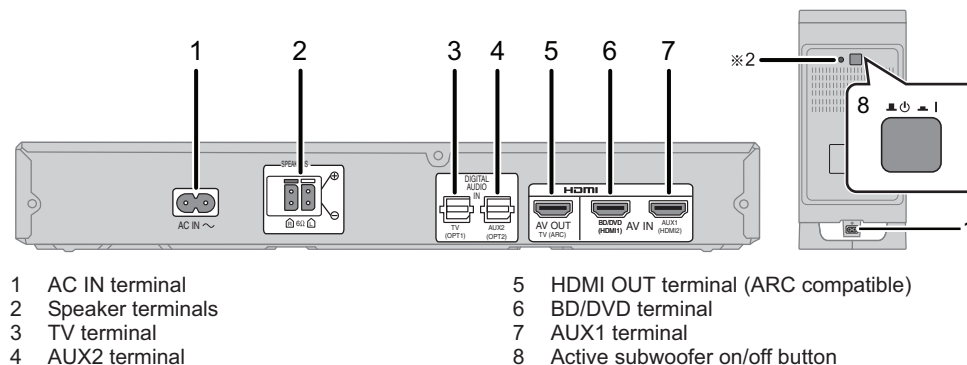
6 Location of Controls and Components

6.1. Main Unit Key Button Operations

Main unit and active subwoofer (Front)



Main unit and active subwoofer (Rear)

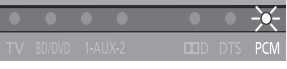
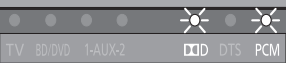


※ 1 The indicators will also blink in various conditions (Refer to 6.2 Indicator illumination)

※ 2 The I/D SET button is only used when the main unit is not paired with the active subwoofer

6.2. Indicator illumination

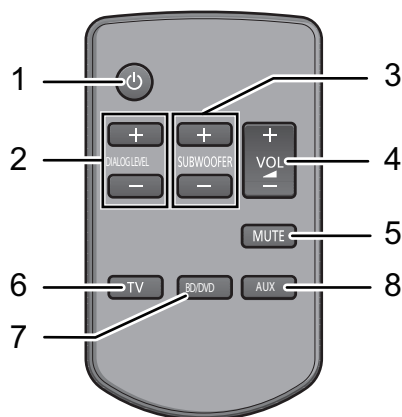
The indicators display the condition of this system by flashing. The indicator patterns illustrated below are displayed during normal operational conditions. They do not refer to the indications of a problem. Refer to "Troubleshooting" if the indicators do not light up as illustrated below.

Indicator	Description
	The indicators blink simultaneously. When "MUTE" is on
	The BD/DVD indicator blinks^{※2} and audio format indicators light up in sequence for 1 minute. When the main unit is in wireless pairing mode with the active subwoofer
	The indicator blinks for 10 sec. - When the dialog effect level or the subwoofer level is 1 - When the audio output mode is Multi-channel mode - When the dual audio setting is Main - When the auto gain control is on - When 3D surround effect and clear-mode dialog effect are on - When the auto standby function is on
	The indicators blinks for 10 sec. - When the dialog effect level or the subwoofer level is 2 - When the audio output mode is Auto mode
	The indicator blinks for 10 sec. When the audio output mode is Auto mode
	The indicators blinks for 10 sec. When the dialog effect level or the subwoofer level is 3
	The indicator blinks for 10 sec. - When the dialog effect level or the subwoofer level is 4 - When the audio output mode is 2ch mode - When the dual audio setting is Secondary - When the auto gain control is off - When 3D surround effect and clear-mode dialog effect are off - When the auto standby function is off
	The indicators blink for 10 sec. When the dual audio setting is Main and Secondary
	The indicators blink for 10 sec. When the remote control code is changed
	The indicators blink once. When changing the setting ("To reduce the clear-mode dialog effect", "To turn off VIERA Link "HDAVI Control"", and "To turn off the volume limitation")

※1 The selected source indicator will also light.

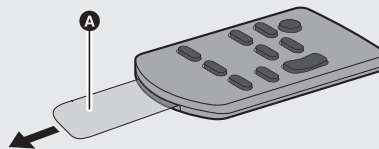
※2 The BD/DVD indicator stops blinking and lights once the wireless pairing is successful.

6.3. Remote Control Key Button Operations



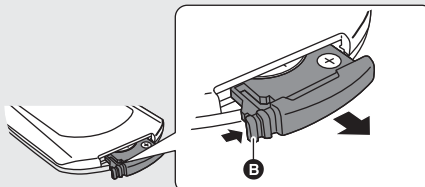
- 1 Turn the main unit on or off
- 2 Adjust the dialog effect level
- 3 Adjust the output level of the active subwoofer (bass sound)
- 4 Adjust the volume of this system
- 5 Mute the sound
- 6 Select the TV as the source
- 7 Select the BD/DVD as the source
- 8 Select the AUX as the source
"AUX1" ↔ "AUX2"

Remove the insulation sheet **A** before using.

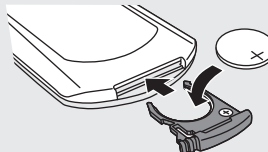


■ To replace a button-type battery

- ① While pressing the stopper **B**, pull out the battery holder.



- ② Set the button-type battery with its (+) mark facing upward and then put the battery holder back in place.



- When replacing the battery, use: CR2025 (Lithium battery)
- Keep the button-type battery out of reach of children to prevent swallowing.

7 Installation Instructions

7.1. Connections

- Turn off all equipment before connection and read the appropriate operating instructions. **Do not connect the AC mains lead until all other connections are complete.**

■ HDMI

The HDMI connection supports VIERA Link "HDAVI Control" when used with a compatible Panasonic TV.

- Use the High Speed HDMI Cables. It is recommended that you use Panasonic's HDMI cable.

Recommended part number (High Speed HDMI cable):

- RP-CDHS15 (1.5 m), RP-CDHS30 (3.0 m), RP-CDHS50 (5.0 m), etc.

Non-HDMI-compliant cables cannot be utilised.

7.1.1. Connection with the TV

1 Verify if the TV's HDMI terminal is labeled "HDMI (ARC)".

Connection differs depending on the label printed next to the HDMI terminal.

Labeled "HDMI (ARC)": Connection A

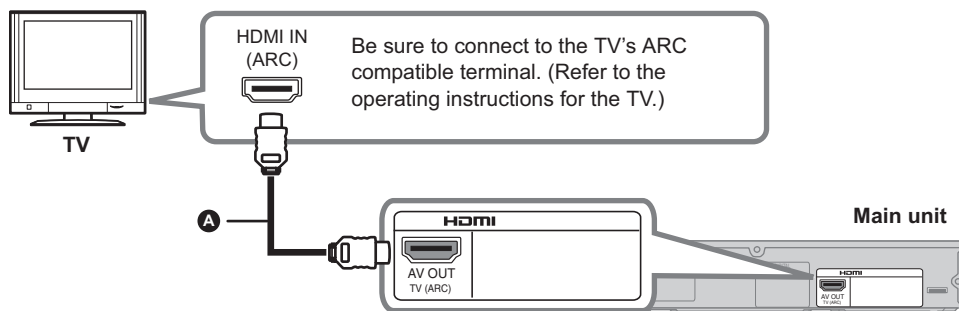
Not Labeled "HDMI (ARC)": Connection B

■ What is ARC?

ARC is an abbreviation of Audio Return Channel, also known as HDMI ARC. It refers to one of the HDMI functions. When you connect the main unit to the terminal labeled "HDMI (ARC)", the optical digital audio cable that is usually required in order to listen to sound from a TV is no longer required, and TV pictures and sound can be enjoyed with a single HDMI cable.

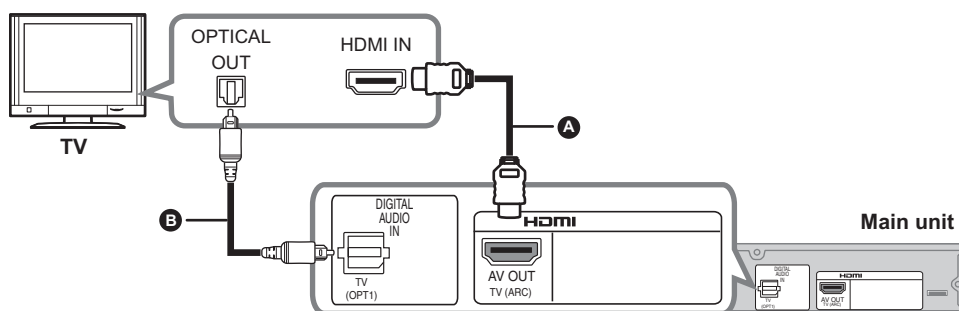
2 Make the connection.

A Labeled "HDMI (ARC)"



A HDMI cable

B Not labeled "HDMI (ARC)"



A HDMI cable

B Optical digital audio cable

- When you use the optical digital audio cable, insert the tip correctly into the terminal.

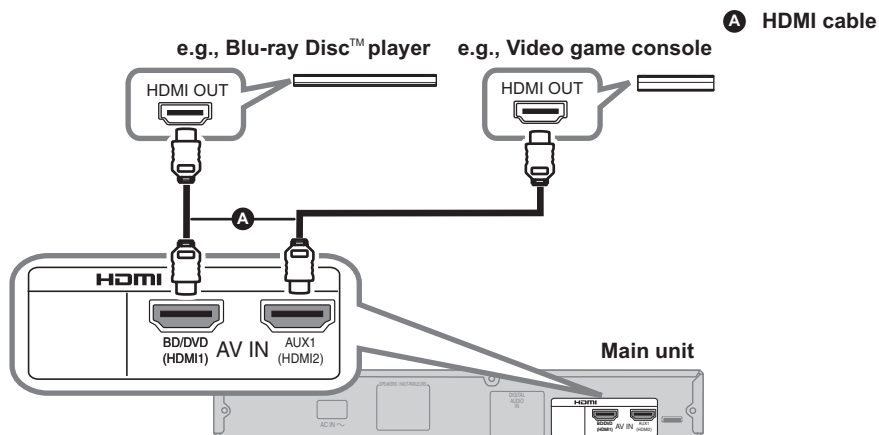
7.1.2. Connection with other devices

You can direct the audio signal from the connected Blu-ray Disc™ player, DVD player, Set Top Box, etc. to this system.

When the device has an HDMI terminal

Preparation

- Connect the main unit to the TV.



■ HDMI standby pass-through

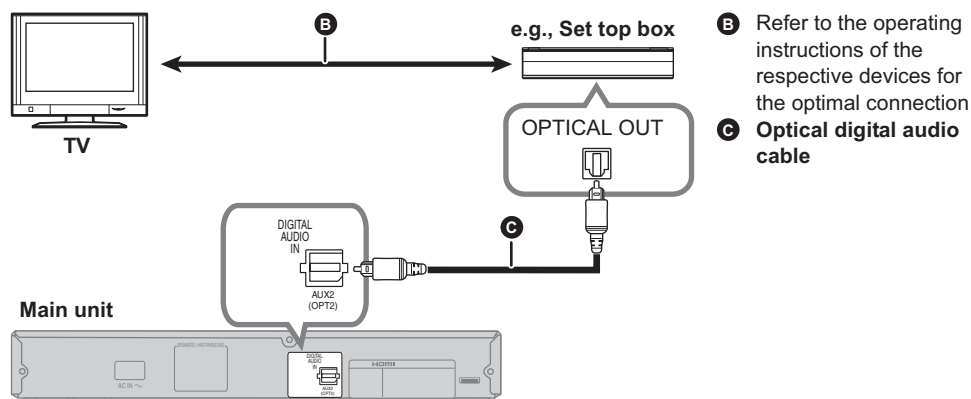
Even if the main unit is in standby mode, the audio and/or video signal from the device connected to the BD/DVD or AUX1 terminal will be sent to the TV connected to the HDMI OUT terminal (the sound will not be output from this system). When devices are connected to both BD/DVD and AUX1 terminals, audio and/or video signal of the device whose input is lastly selected is output.

■ 3D compatibility

Compatible with FULL HD 3D TV and Blu-ray Disc™ player.

- The main unit can pass the 3D video signal from a 3D compatible Blu-ray Disc™ player to a FULL HD 3D TV.

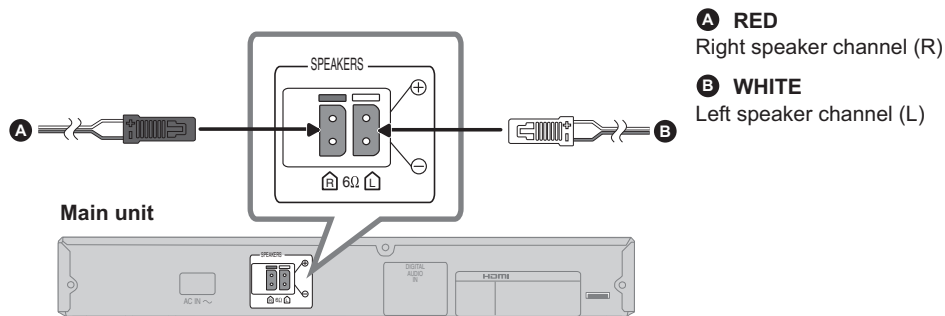
When the device has an optical digital audio output terminal



- B Refer to the operating instructions of the respective devices for the optimal connection
- C Optical digital audio cable

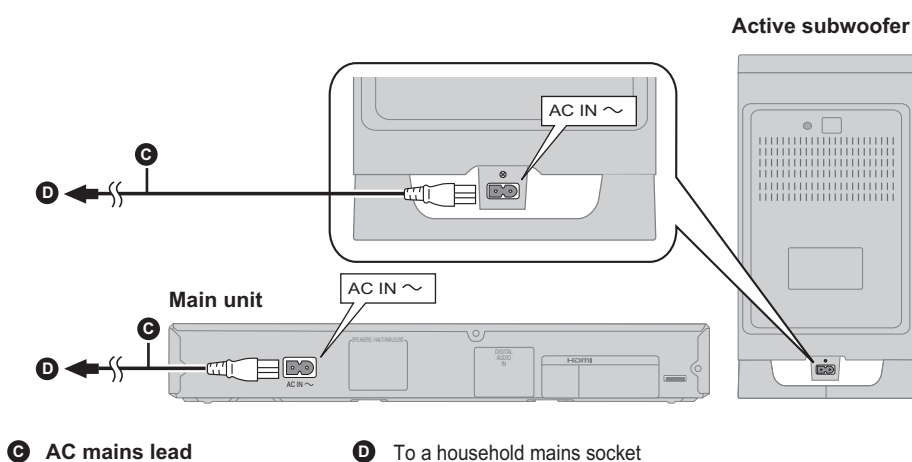
7.1.3. Speaker cable connection

Match the connector shape and connect to the terminals of the same color.



7.1.4. AC mains lead connection

- Connect only after all other connections are complete.



Use the AC mains lead that matches the socket for the area you live in.
In Saudi Arabia, please use the moulded three pin mains plug.



(When using the moulded three pin mains plug)

BE SURE TO READ “1.6 Caution for the AC Mains Lead (For GS only)” BEFORE CONNECTION.

- The main unit and active subwoofer consume a small amount of AC power, even when it is turned off (this unit: approx. 0.2 W, active subwoofer: approx. 0.2 W). In the interest of power conservation, if you will not be using this system for a long time, unplug it from the household mains socket.

Saving energy

The main unit is designed to conserve its power consumption and save energy.

- This unit can be set to automatically switch to standby mode after 2 hours, if no signal is input and no operation is performed.

8 Service Mode

This unit is equipped with features of self-diagnostic & special mode setting for checking the functions & reliability.

Special Note : Checking of the reliability (ageing) & operation must be carry out to ensure good working condition in unit.

8.1. Service Mode

This mode can be used during servicing.

1 : Checking the Main Microprocessor Firmware version and Region.

2 : Checking the Model Display and ROM Correction Information.

3 : Wireless pairing.

Here are the procedures to enter into service mode:

Step 1 : Power up the main unit.

Step 2 : Press & hold [VOL-] on main unit, follow by [SUB-] & [SUB+] on remote control.

Note : All LED will blink 4 times followed by All LED OFF. At this All LED OFF, main unit is ready for next command.

8.1.1. Model Display Details by LED Blinking Indicators

Caution: The LED blinking process will stop only when the unit is power off completely.

Remote Control Code	LED 1 (TV)	LED 2 (BD/ DVD)	LED 3 (AUX1)	LED 4 (AUX2)	LED 5 (DOLBY D)	LED 6 (DTS)	LED 7 (PCM)	Test Mode and Purpose
TV	O	-	-	-	-	-	-	ERROR HISTORY DISPLAY By pressing button, it goes back its history list. Eg: [1 F76] -> [2 F70HDM] -> [3 F61]
INPUT / AUX	O	-	-	-	-	-	-	Accumulation Operation Time Display Eg: [20M](under one hour / 20 minutes), [12] (12 hour)
MUTE	O	X	O	X	*	*	*	ROM Correction by CEC
SUBWOOFER -	X	X	O	X	X	X (HDMI)	X (MAIN)	ROM Correction Status Display
VOLUME + (one press)	O	X	Bit 3	X	Bit 2	Bit 1	Bit 0	Software version (Refer to Table 8-1-2-1)
VOLUME + (twice press)	X	O	X	X	REG 2	REG 1	REG 0	Region display (Refer to Table 8-1-2-2)
VOLUME - (one press)	X	X	O	X	Model 1	Model 2	Model 3	Model name (Refer to Table 8-1-3-1)
VOLUME - (twice press)	X	O	O	X	X	X	ROM COR	ROM correction (Refer to Table 8-1-3-2)
Power	X	X	X	X	X	X	X	Exit Service Mode and Power Off
"O" means LED on "X" means LED off "*" means LED blink "->" means LED blinking in progress								

Table 8-1-1

8.1.2. Checking of Main Microprocessor Firmware version and Region

Here are the procedures to check the region and main firmware version:

Step 1 : Power up the main unit.

Step 2 : Enter into service mode. (Refer to Section 8.1 for the procedures).

Step 3 : Press [VOL+] on remote control one time to check for the main microprocessor firmware version no. (Refer to table 8-1-2 for information on the LED indication).

Step 4 : Press [VOL+] on remote control two times to check for the region. (Refer to table 8-1-2 for information on the LED indication).

Key Operation	LED 1 (TV)	LED 2 (BD/DVD)	LED 3 (AUX1 / AUX)	LED 4 (AUX2)	LED 5 (DOLBY D)	LED 6 (DTS)	LED 7 (PCM/AAC)
Press [VOL+] button on remote control for one times	O	X	Bit 3	X	Bit 2	Bit 1	Bit 0
Press [VOL+] button on remote control for two time	X	O	X	X	REG 2	REG 1	REG 0

Table 8-1-2

8.1.2.1. Firmware version Bit No. (Bit 0~3)

It is to indicate the firmware version no. (Bit 0 ~3). (Refer to table 8-1-2-1 for more information).

Version number display are repeated every 16 releases.

Version No	Bit 3	Bit 2	Bit 1	Bit 0
	(AUX)	(DOLBY D)	(DTS)	(PCM/AAC)
00, 16, 32 ...	X	X	X	X
01, 17, 33 ...	X	X	X	O
02, 18, 34 ...	X	X	O	X
03, 19, 35 ...	X	X	O	O
04, 20, 36 ...	X	O	X	X
05, 21, 37 ...	X	O	X	O
06, 22, 38 ...	X	O	O	X
07, 23, 39 ...	X	O	O	O
08, 24, 40 ...	O	X	X	X
09, 25, 41 ...	O	X	X	O
10, 26, 42 ...	O	X	O	X
11, 27, 43 ...	O	X	O	O
12, 28, 44 ...	O	O	X	X
13, 29, 45 ...	O	O	X	O
14, 30, 46 ...	O	O	O	X
15, 31, 47 ...	O	O	O	O

Table 8-1-2-1

8.1.2.2. Region Bit No.

The region bit no. is to indicate the destination for model. (Refer to table 8-1-2-2 for more information).

Region Bit 2	Region Bit 1	Region Bit 0	Destination
X	O	X	Europe
O	X	X	Oceania, Asia, South/Central America
X	X	X	Japan
O	O	O	China
X	X	X	US/Canada

Table 8-1-2-2

8.1.3. Checking of Model Display and ROM Correction Information

Here are the procedures to check the model display and ROM correction information:

Step 1 : Power up the main unit.

Step 2 : Enter into service mode. (Refer to Section 8.1 for the procedures).

Step 3 : Press [VOL-] on remote control one time to check for the model display. (Refer to table 8-1-3 for information on the LED indication).

Step 4 : Press [VOL-] on remote control two time to check for the ROM correction information. (Refer to table 8-1-3 for information on the LED indication).

Key Operation	LED 1 (TV)	LED 2 (BD/DVD)	LED 3 (AUX1 / AUX)	LED 4 (AUX2)	LED 5 (DOLBY D)	LED 6 (DTS)	LED 7 (PCM/AAC)
Press [VOL-] button on remote control for one times	X	X	O	X	Model 1	Model 2	Model 3
Press [VOL-] button on remote control for two time	X	O	O	X	X	X	ROMCOR info

Table 8-1-3

8.1.3.1. Model Display

It is to indicate the model display. (Refer to table 8-1-3-1 for more information).

Model 1 (Dolby D)	Model 2 (DTS)	Model 3 (PCM/AAC)	Series
X	X	X	HTX730
X	X	O	HTF50
X	O	X	HTE50
X	O	O	HTB20
O	X	X	HTB550
O	X	O	HTB350/351
O	O	X	HTB450
O	O	O	OTHERS

Table 8-1-3-1

8.1.3.2. ROM Correction Display

It is to indicate the ROM correction display. (Refer to table 8-1-3-2 for more information).

(Dolby D)	(DTS)	ROMCOR Info (PCM/AAC)	Have ROM Correction ?
X	X	X	No
X	X	O	Yes

Table 8-1-3-2

8.2. Displayed Error Codes

This model does not have an alphanumeric display unit hence error code (when a fault condition occurs) is represented by the LED status indicators. Refer to Fig 8.2

Here is the description of the LED status indicators:

LED 1 TV input selector indicator (OPTICAL INPUT 1 or ARC/HDMI OUT)

LED 2 BD/DVD input selector indicator (HDMI INPUT 1)

LED 3 AUX 1 input selector indicator (HDMI INPUT 2)

LED 4 AUX 2 input selector indicator (OPTICAL INPUT 2)

LED 5 DOLBY D decoder/audio format indicator

LED 6 DTS decoder/audio format indicator

LED 7 AAC decoder/audio format indicator (Japan region)

LED 7 PCM/LPCM decoder/audio format indicator (Non Japan region)

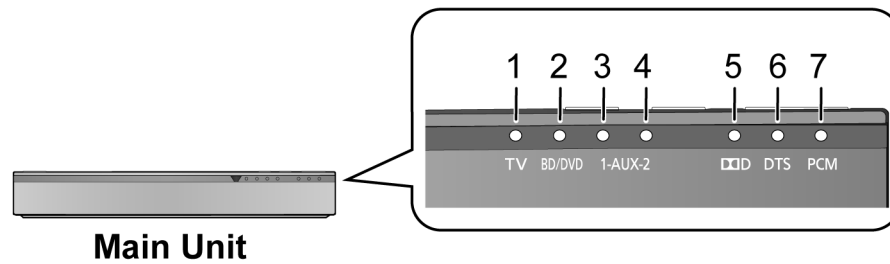


Fig 8.2

8.2.1. Error Code Display Details by LED Blinking Indicators

This section describes the LED status indicators by its blinking to represent the error codes.

Caution: The LED blinking process will stop only when the unit is power off completely.

Error Code	LED 1 (TV)	LED 2 (BD/ DVD)	LED 3 (AUX1)	LED 4 (AUX2)	LED 5 (DOLBY D)	LED 6 (DTS)	LED 7 (PCM)	Cause and Problem
OVERLOAD (F61) If this error occurs, main set will automatically power off.	*	X	*	X	X	X	X	Speaker protection, DAMP IC abnormality. Check for faulty parts and replace with new parts if necessary.
F76 If this error occurs, main set will automatically power off.	*	X	X	X	X	X	X	DC Power/Voltage Supply abnormality. Check for faulty parts and replace with new parts if necessary.
F70 DSP	*	X	*	X	*	X	X	DSP - Main Micro-p IC communication fail- ure/abnormality. Check for faulty parts and replace with new parts if necessary.
F70 DAP	*	X	*	X	*	*	X	DAP - Main Micro- P IC communication failure /abnormality. Check for faulty parts and replace with new parts if necessary.
F70 HDMI	*	X	*	X	*	*	*	HDMI Micro-P to Main Micro-P IC commu- nication error. Check for faulty parts and replace with new parts if necessary.
U701 / U703 / U704	X	X	*	X	X	X	X	• Connected devices error (HDCP non- compliance). Check for faulty parts and replace with new parts if necessary. • HDMI connection abnormality (cable damage, HDCP non-compliance etc). Check for faulty parts and replace with new parts if necessary. • HDMI image format incompatibility. Check for faulty parts and replace with new parts if necessary.
"X" means LED off. "*" means LED blink								

Table 8-2-1

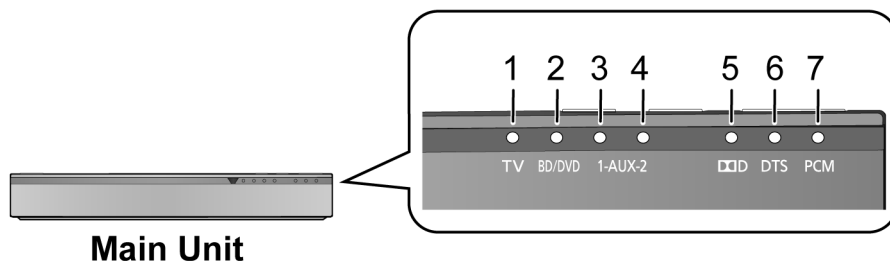
8.3. Cold start

Here are the procedures to do a reset for the main unit.

Step 1 : Power up the main unit.

Step 2 : Press & hold [POWER] button on main unit for 4s or more.

All LED will light-up and blink for 2 times (at frequency of 4Hz)



8.4. Pairing mode

Here are the procedures to do pairing between Main Unit (SU-HTB550) with Active Subwoofer (SB-HWA520)

Step 1 : Power up the Main Unit & Active Subwoofer.

Note : Please check the connections in Main Unit and Active Subwoofer when either fails to power up. (LED on Active Subwoofer should turn RED if it is not linked)

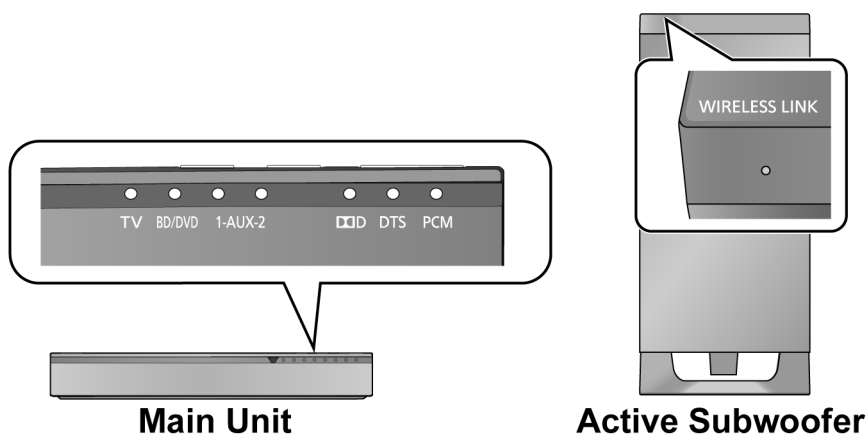
Step 2 : Press [ID SET] on Active Subwoofer.

LED on Active Subwoofer shall blinking for up to 1 minutes to indicate it is in ready for pairing mode.

Step 3 : During Active Subwoofer LED blinking, press [INPUT] or [AUX] on remote control followed by [VOL +] on Main Unit for 2 secs (Pairing begins)

Note :

1. Under Pairing Mode, [BD/DVD] LED blinking and 3 indicators LEDs (Dolby D, DTS and PCM/AAC) will run one by one (shifting) for every 1 sec from left to right to indicate it is searching for the receiver to be linked and repeated the cycle after reached the [AAC] or [PCM] LED.
2. When pairing is completed. [BD/DVD] LED on Main Unit will light up and LED on Active Subwoofer turns GREEN if pairing is successful.
3. Wireless pairing automatically exit after 1 minute.



8.5. SET AUDIO DELAY

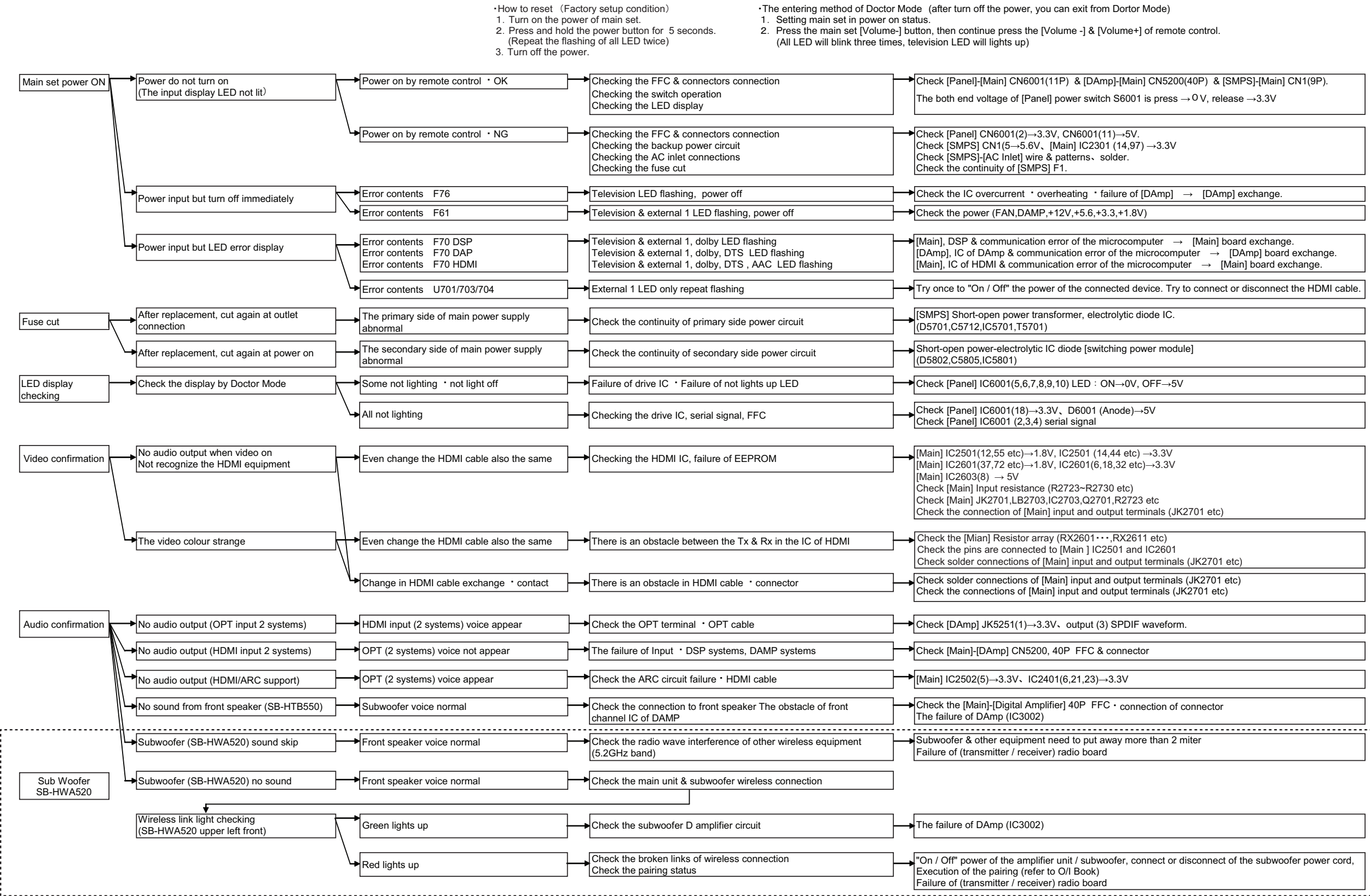
If the video from TV late compared to audio output from this unit, this unit can be set the audio delay to 150ms fixed delay.

Step 1 : Power up the main unit.

Step 2 : Press & hold [VOL-] button on main unit and follow by [VOL-] and [SUB-] on remote control.

All LED will light-up and blink once for confirmation display and audio delay setting is set to 150ms.

9 Troubleshooting Guide



10 Service Fixture & Tools

Prepare service tools before process service position.

Ref. No.	Service Tools		Remarks
SFT1	Main P.C.B. (CN2201) - DAMP P.C.B. (CN5200)	RFKZHTB15 (40P FFC)	SU-HTB550
SFT2	SPK - DAMP P.C.B. (CN1005)	REXX1194 (2P Wire)	SB-HWA520

11 Disassembly and Assembly Instructions

Caution Note:

- This section describes the disassembly and/or assembly procedures for all major printed circuit boards & main components for the unit. (You may refer to the section of “Main components and P.C.B Locations” as described in the service manual)
- Before carrying out the disassembly process, please ensure all the safety precautions & procedures are followed.
- During the disassembly and/or assembly process, please handle with care as there may be chassis components with sharp edges.
- Avoid touching heatsinks due to its high temperature after prolong use. (See caution as described below)

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

- During disassembly and assembly, please ensure proper service tools, equipments or jigs is being used.
- During replacement of component parts, please refer to the section of “Replacement Parts List” as described in the service manual.
- Select items from the following indexes when disassembly or replacement are required.

Main Unit (SU-HTB550)

- Disassembly of Top Cabinet
- Disassembly of Main P.C.B.
- Disassembly of SMPS P.C.B.
- Replacement of Switching Regulator IC (IC5701)
- Replacement of Rectifier Diode (D5802)
- Disassembly of Rear Panel
- Disassembly of DAMP P.C.B.
- Disassembly of Front Panel Block
- Disassembly of Wireless Adapter P.C.B. and Digital Transmitter Module P.C.B.
- Disassembly of Power Button P.C.B.
- Disassembly of Button P.C.B. and Panel P.C.B.

Front Speakers (SB-HTB550)

- Disassembly of Front Speaker Unit (L/R) (Bar position)
- Disassembly of Front Speaker Unit (L/R) (Standing position)
- Disassembly of Rear Cabinet Assembly
- Disassembly of Tweeter Speaker (SP1)
- Disassembly of Woofer Speaker (SP2)
- Disassembly of Port Unit
- Replacement of Speaker Wire

Active Subwoofer (SB-HWA520)

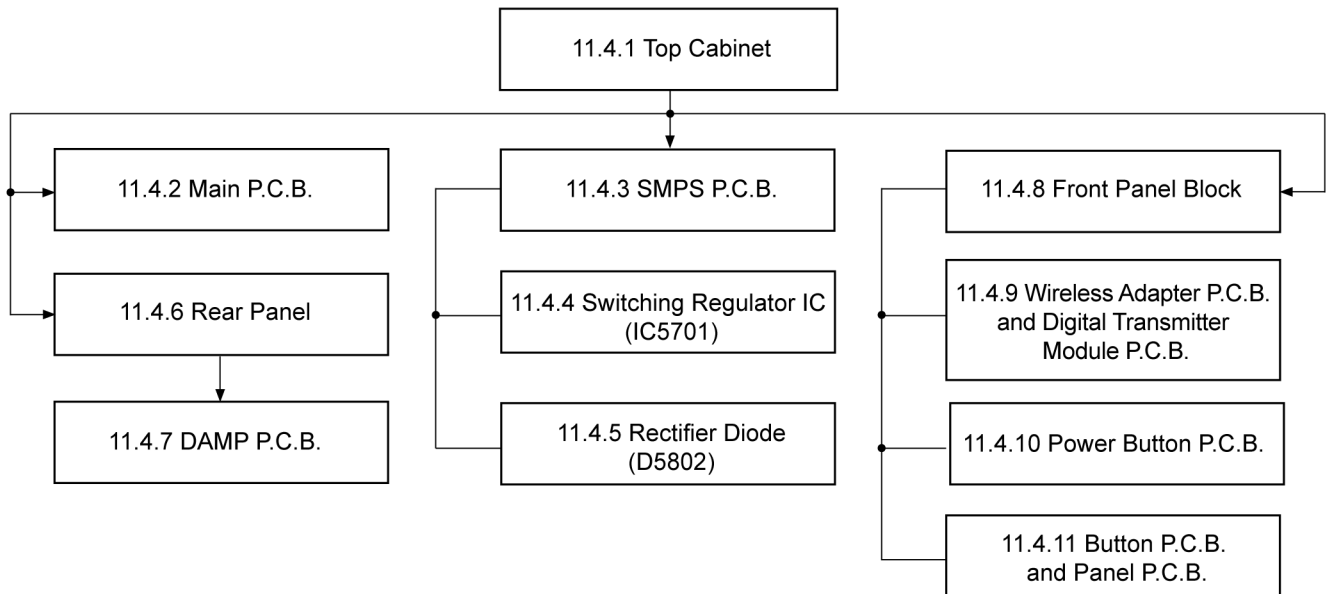
- Disassembly of Rear Panel Block
- Disassembly of DAMP P.C.B.
- Disassembly of Digital Receiver Module P.C.B.
- Replacement of Digital Amplifier IC (IC5200)
- Disassembly of Power Button P.C.B.
- Disassembly of SMPS Module P.C.B.
- Disassembly of Bottom Panel Block
- Disassembly of Woofer Speaker

11.1. Disassembly flow chart

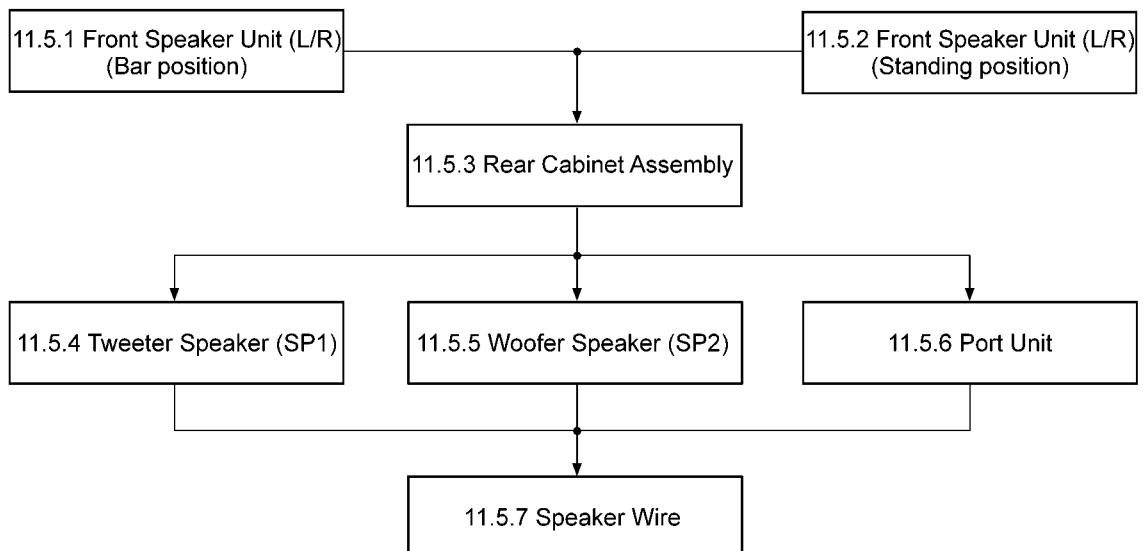
The following chart is the procedure for disassembling the casing and inside parts for internal inspection when carrying out the servicing.

To assemble the unit, reverse the steps shown in the chart below.

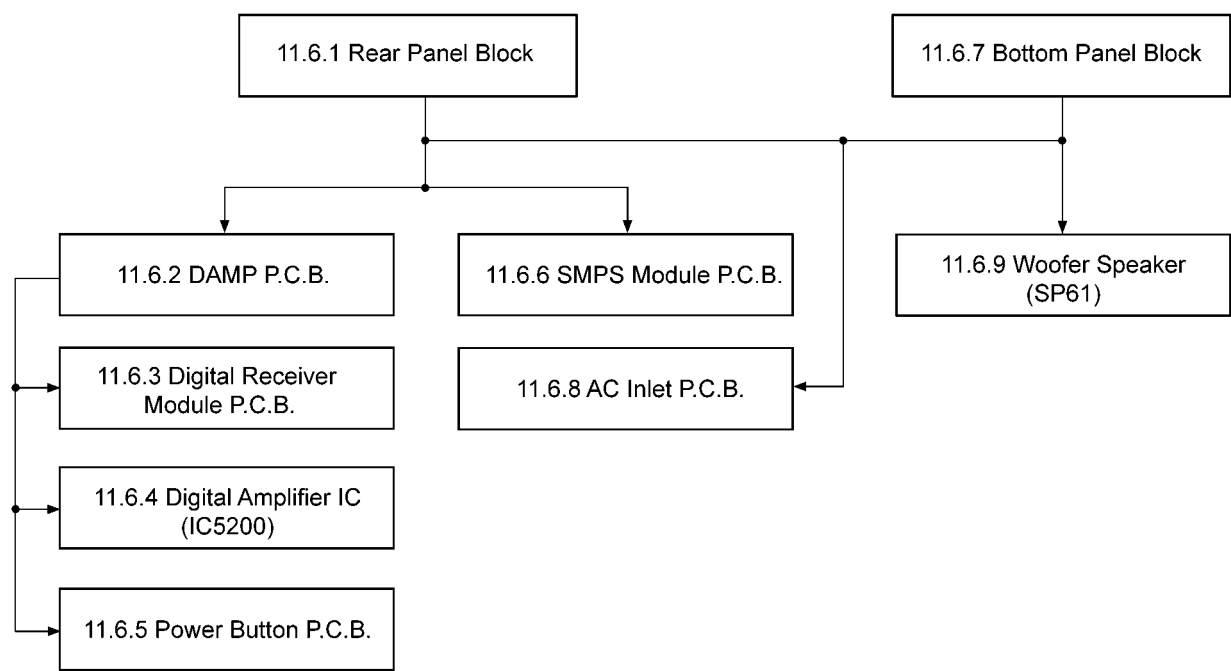
11.1.1. Main Unit (SU-HTB550)



11.1.2. Front Speakers (SB-HTB550)



11.1.3. Active Subwoofer (SB-HWA520)



11.2. Types of Screws

11.2.1. Main Unit (SU-HTB550)

CAUTION NOTE:

Please use original screw and at correct locations.

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

- a** : RHD30007-K2J
- b** : RHD30119-S
- c** : RHD30172
- d** : RHD30102-1
- e** : RHD26046
- f** : RHD14129
- g** : RHDX261002

11.2.2. Front Speakers (SB-HTB550)

CAUTION NOTE:

Please use original screw and at correct locations.

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

- a** : XYN5+J14FJK
- b** : XTB3+10JFJK

11.2.3. Active Subwoofer (SB-HWA520)

CAUTION NOTE:

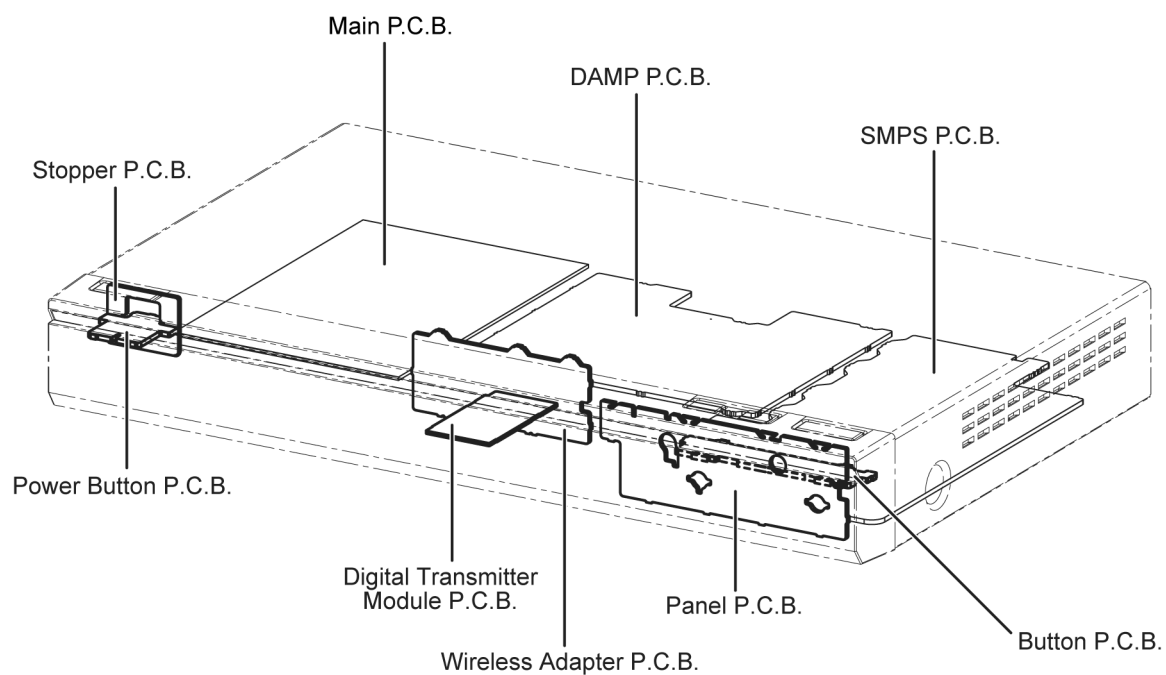
Please use original screw and at correct locations.

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

- a** : XTB4+16AFJK
- b** : RHDX301002-J
- c** : RHD26046
- d** : XTB3+10JFJK

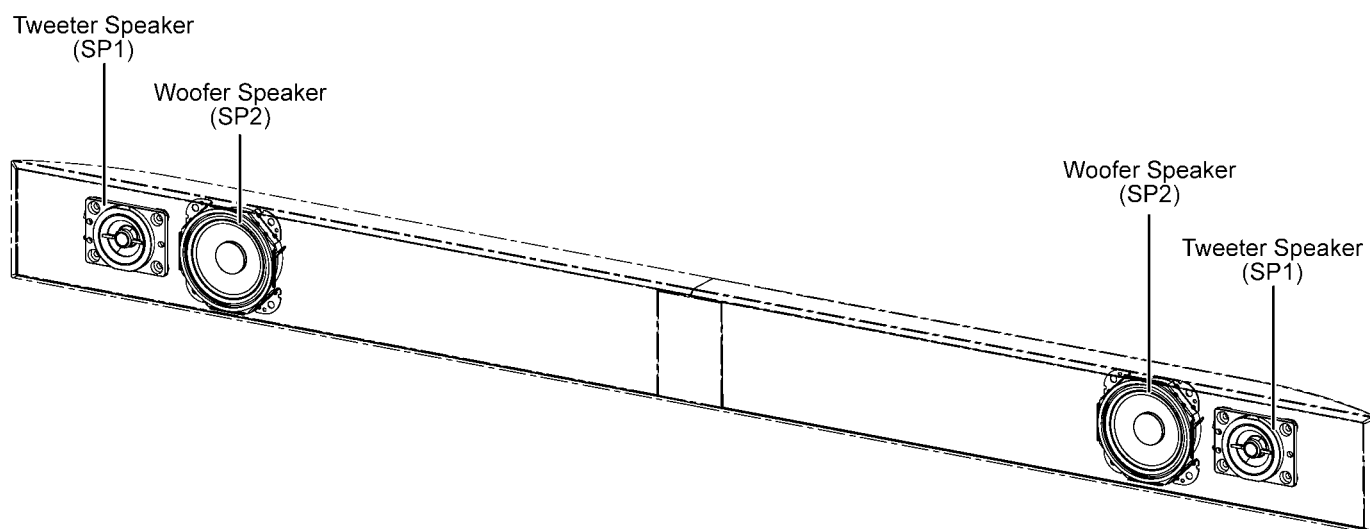
11.3. Main Parts Location Diagram

11.3.1. Main Unit (SU-HTB550)

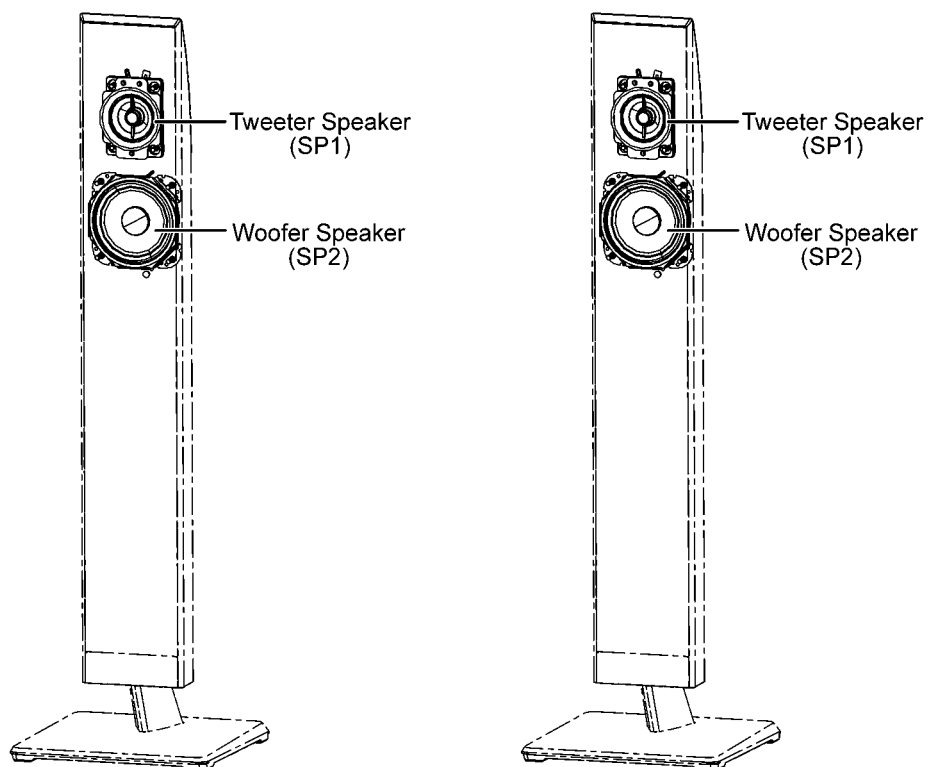


11.3.2. Front Speakers (SB-HTB550)

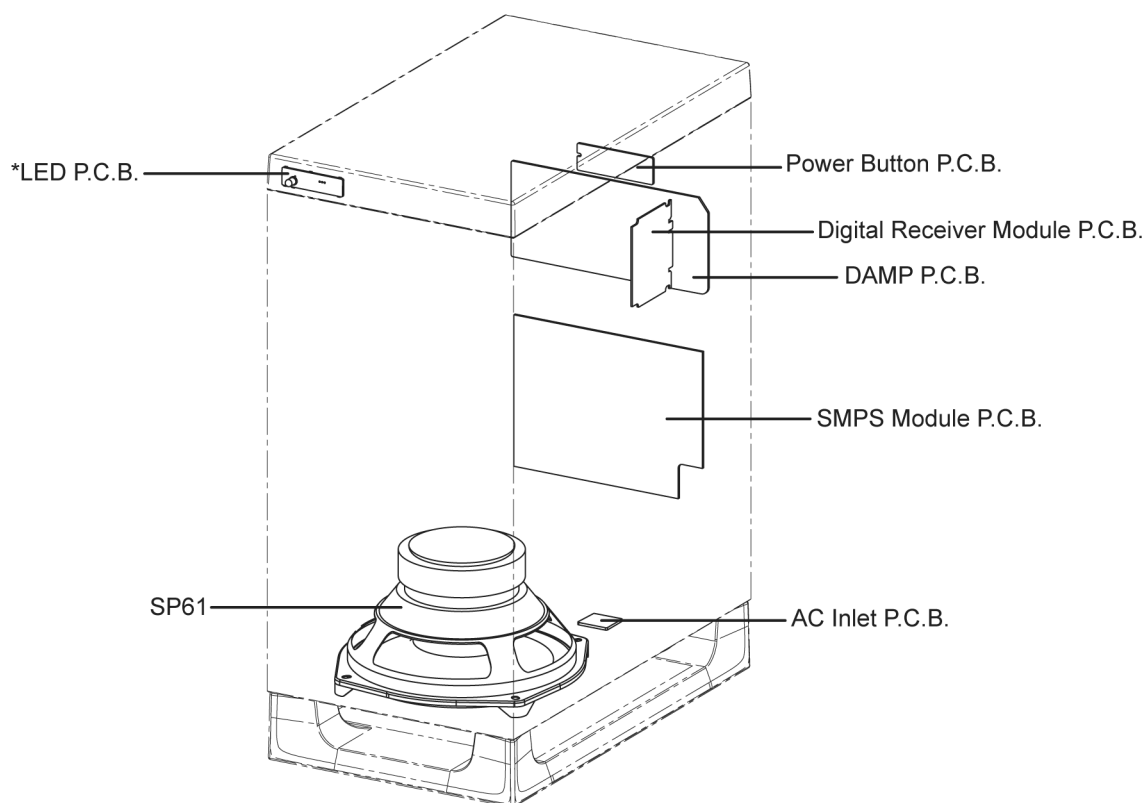
11.3.2.1. Bar Position



11.3.2.2. Standing Position



11.3.3. Active Subwoofer (SB-HWA520)

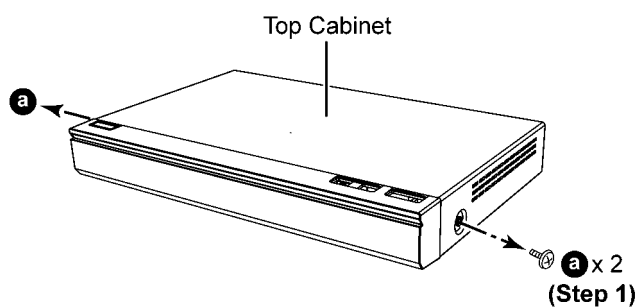


NOTE: " * " PART IS NOT SUPPLIED / REF IS FOR INDICATION ONLY.

11.4. Main Unit (SU-HTB550)

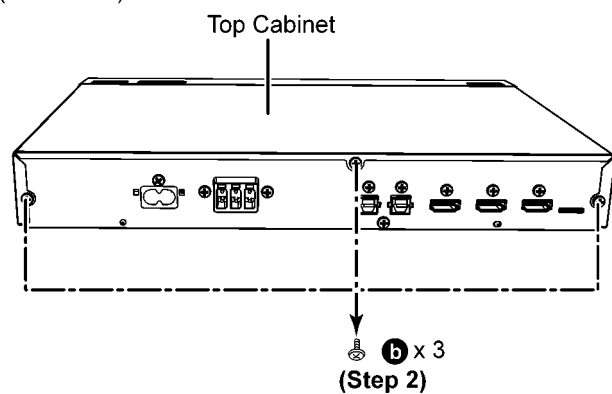
11.4.1. Disassembly of Top Cabinet

Step 1 : Remove 2 screws.

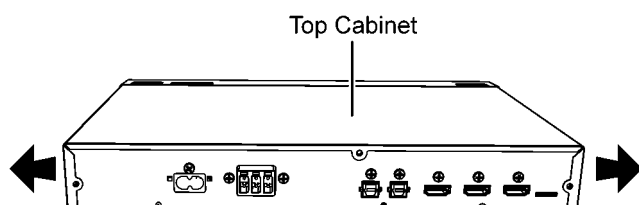


Step 2 : Remove 3 screws.

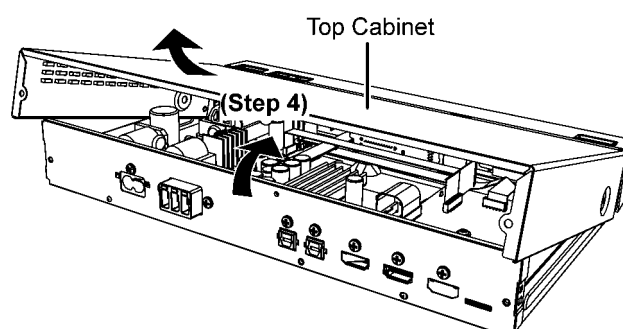
(Rear View)



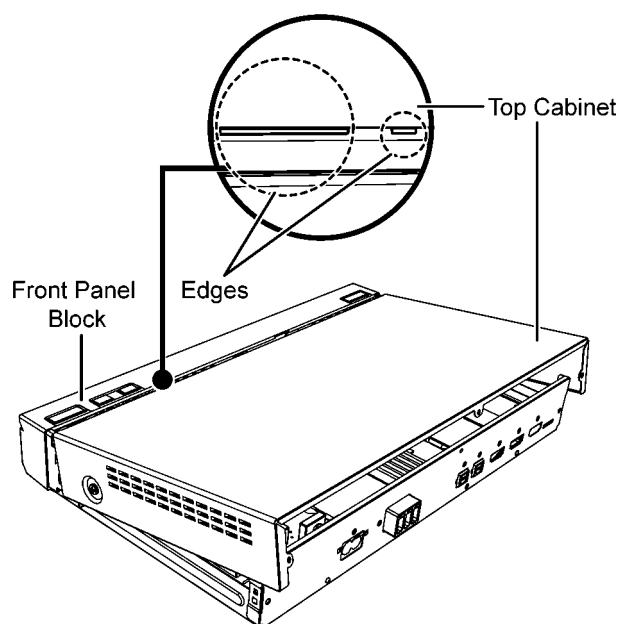
Step 3 : Slightly pull outwards the Top Cabinet for both sides.



Step 4 : Lift up the Top Cabinet to remove it as shown.



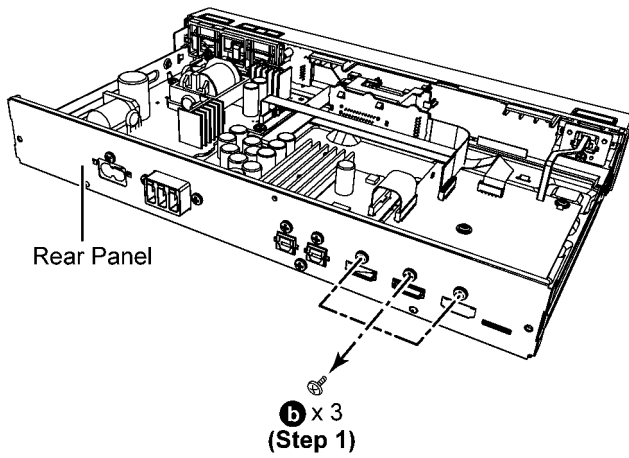
Caution: During assembling, ensure that the edge of Top Cabinet fully insert into the Front Panel Block.



11.4.2. Disassembly of Main P.C.B.

- Refer to “Disassembly of Top Cabinet”.

Step 1 : Remove 3 screws.



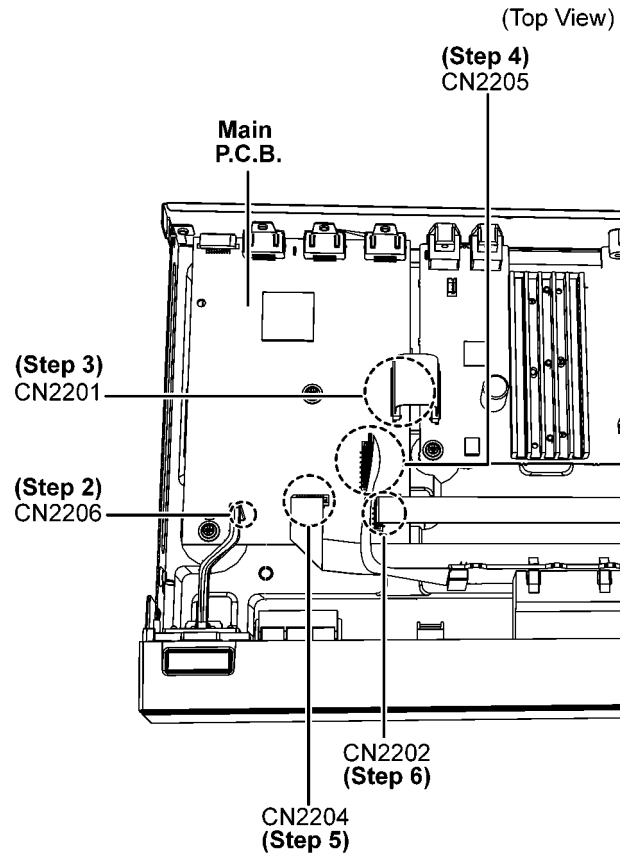
Step 2 : Detach 2P Cable Wire at the connector (CN2206) on Main P.C.B..

Step 3 : Detach 40P FFC at the connector (CN2201) on Main P.C.B..

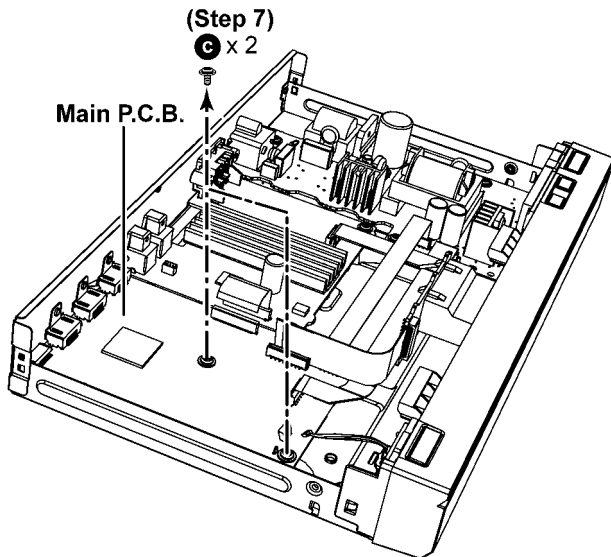
Step 4 : Detach 17P FFC at the connector (CN2205) on Main P.C.B..

Step 5 : Detach 11P FFC at the connector (CN2204) on Main P.C.B..

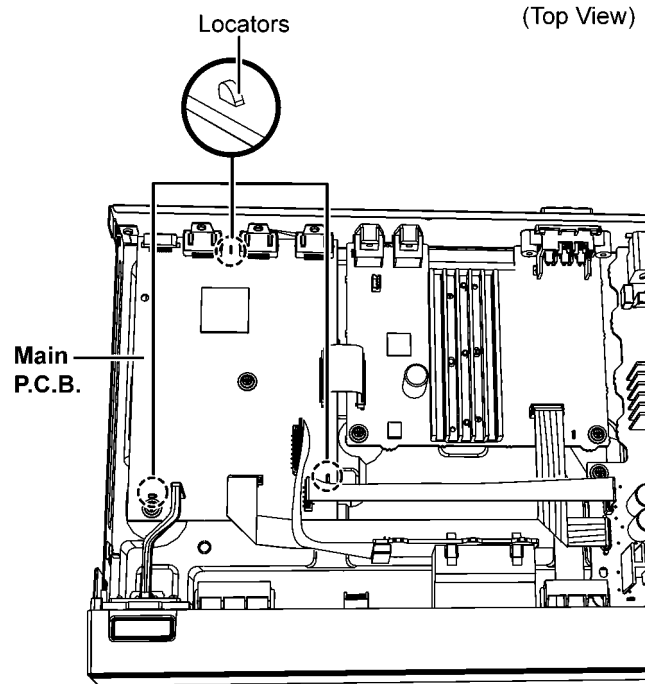
Step 6 : Detach 9P FFC at the connector (CN2202) on Main P.C.B..



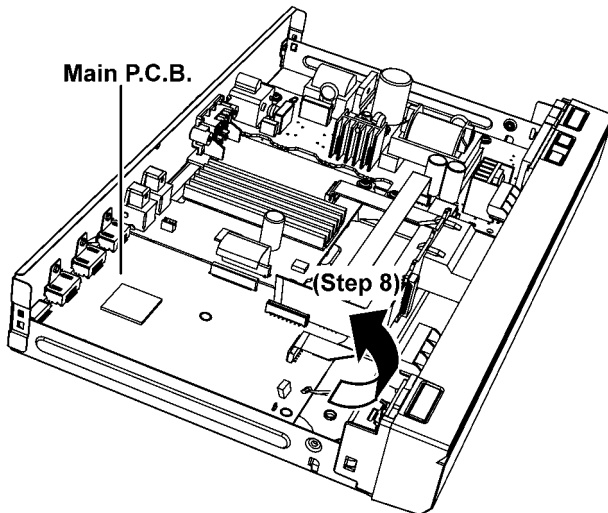
Step 7 : Remove 2 screws.



Caution: During assembling, ensure that the Main P.C.B. is seated properly on the locators.



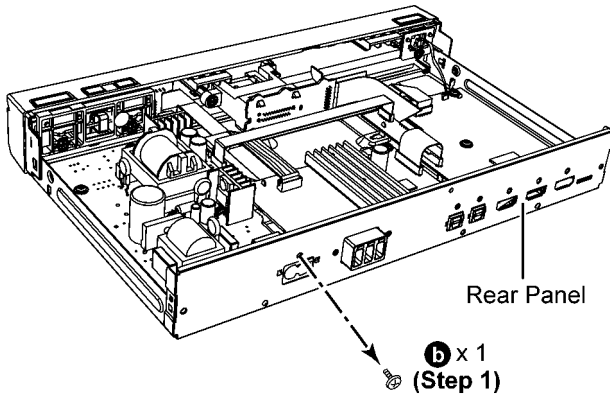
Step 8 : Slightly lift up and remove the Main P.C.B. as shown.



11.4.3. Disassembly of SMPS P.C.B.

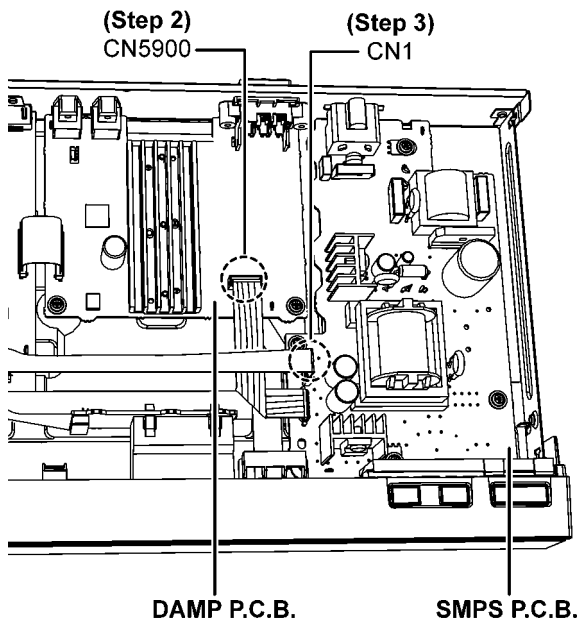
- Refer to “Disassembly of Top Cabinet”.

Step 1 : Remove 1 screw.

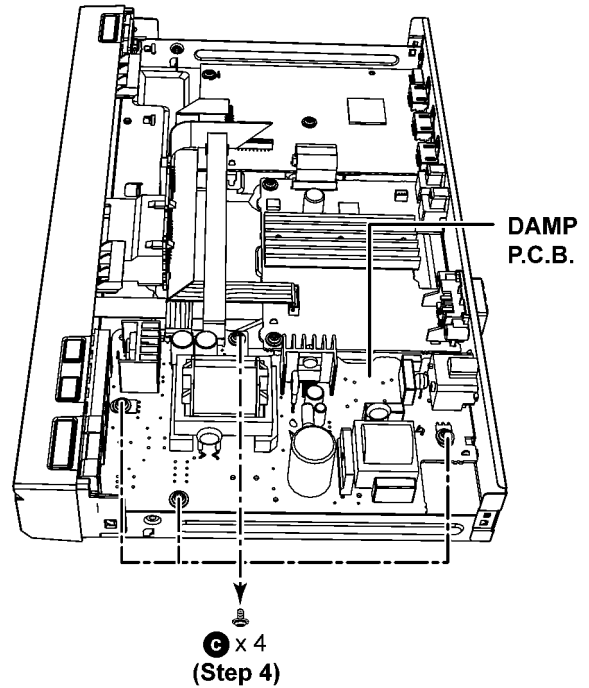


Step 2 : Detach 6P Cable Wire at the connector (CN5900) on DAMP P.C.B..

Step 3 : Detach 9P FFC at the connector (CN1) on SMPS P.C.B..

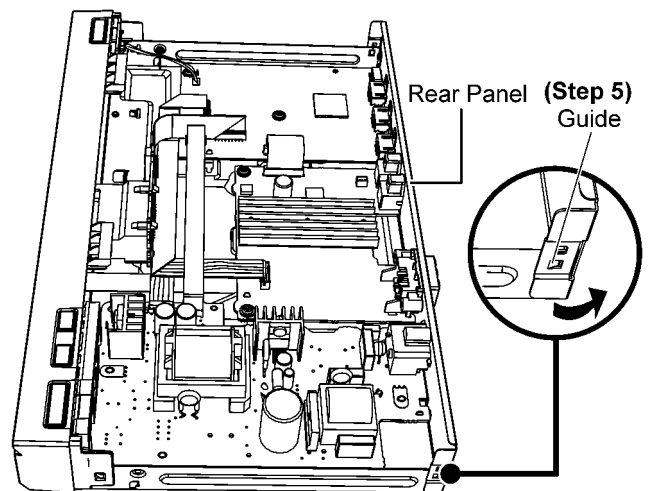


Step 4 : Remove 4 screws.

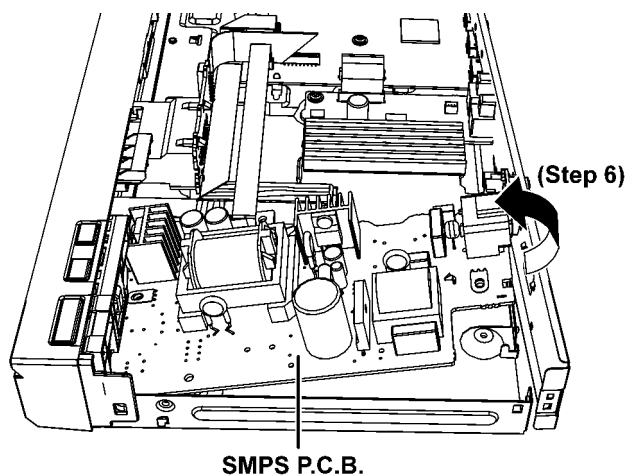


Step 5 : Release the guides on the right side Rear Panel slightly.

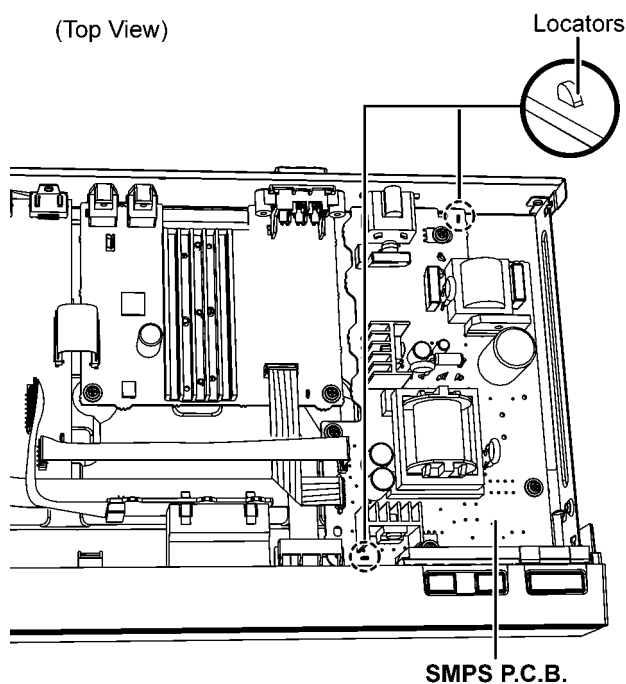
Caution: During assembling, ensure that the Rear Panel is seated properly onto the guide.



Step 6 : Lift up and remove the SMPS P.C.B. as shown.



Caution: During assembling, ensure that the SMPS P.C.B. is seated properly on the locators.



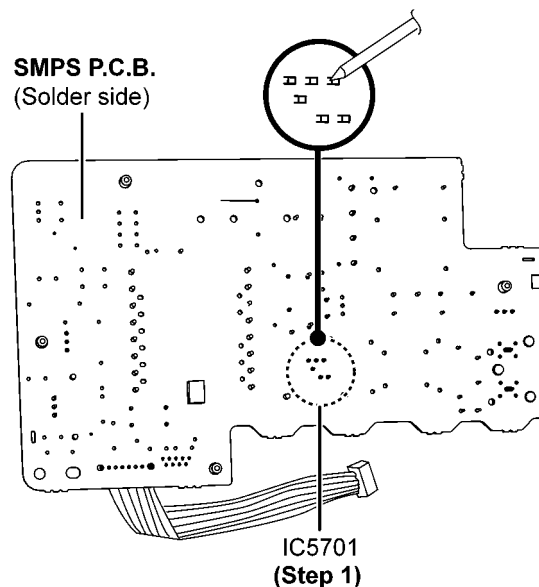
11.4.4. Replacement of Switching Regulator IC (IC5701)

• Refer to "Disassembly of SMPS P.C.B."

11.4.4.1. Disassembly of Switching Regulator IC (IC5701)

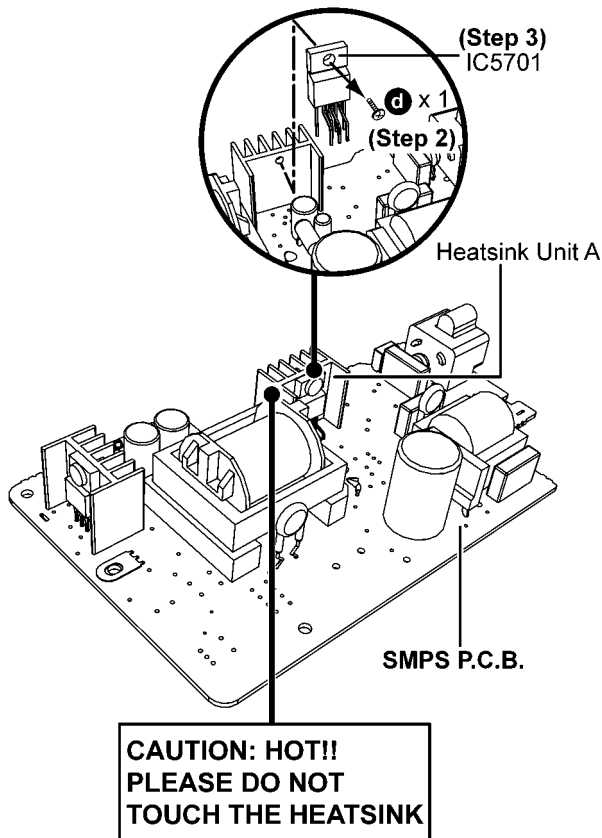
Caution: Handle the SMPS P.C.B. with caution. Avoid touching the Heatsink Unit A due to its high temperature after prolonged use. Touching it may lead to injuries.

Step 1 : Desolder the pins of Switching Regulator IC (IC5701) on the solder side of SMPS P.C.B..



Step 2 : Remove 1 screw.

Step 3 : Remove the Switching Regulator IC (IC5701) from the Heatsink Unit A.



11.4.4.2. Assembly of Switching Regulator IC (IC5701)

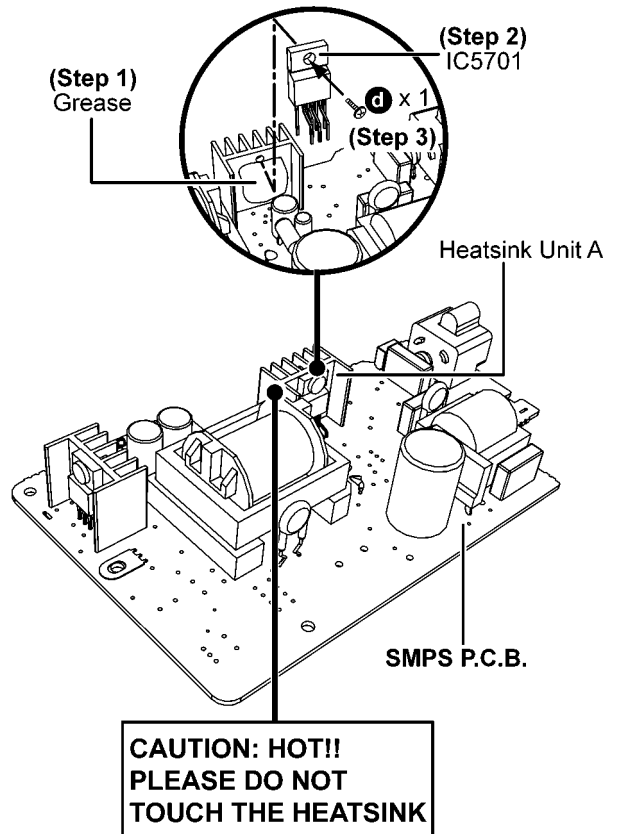
Step 1 : Apply Grease on the Heatsink Unit A.

Step 2 : Fix the Switching Regulator IC (IC5701) to the SMPS P.C.B..

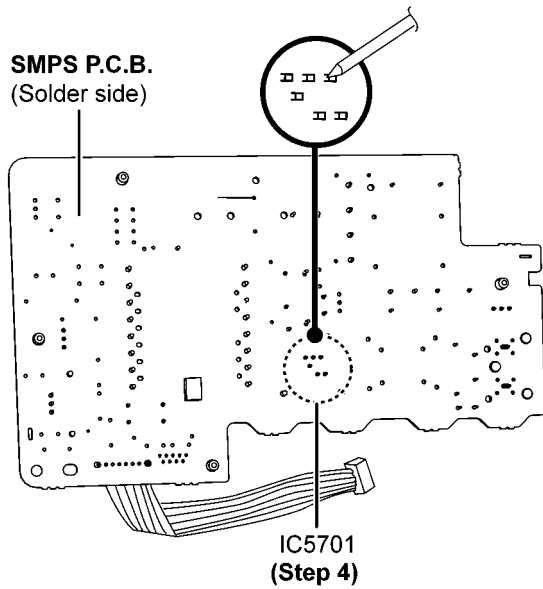
Caution: Ensure the pins of Switching Regulator IC (IC5701) seated on the SMPS P.C.B..

Step 3 : Screw the Switching Regulator IC (IC5701) to the Heatsink Unit A.

Caution: Ensure the Switching Regulator IC (IC5701) is tightly screwed to the Heatsink Unit A.



Step 4 : Solder the pins of Switching Regulator IC(IC5701) on the solder side of SMPS P.C.B..



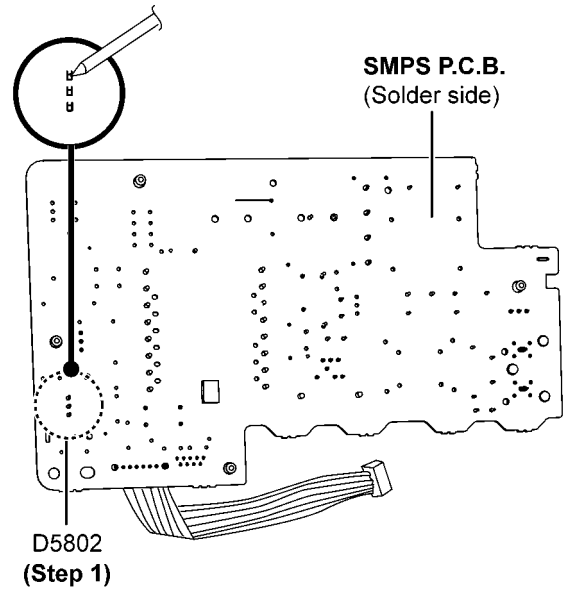
11.4.5. Replacement of Rectifier Diode (D5802)

• Refer to “Disassembly of SMPS P.C.B.”.

11.4.5.1. Disassembly of Rectifier Diode (D5802)

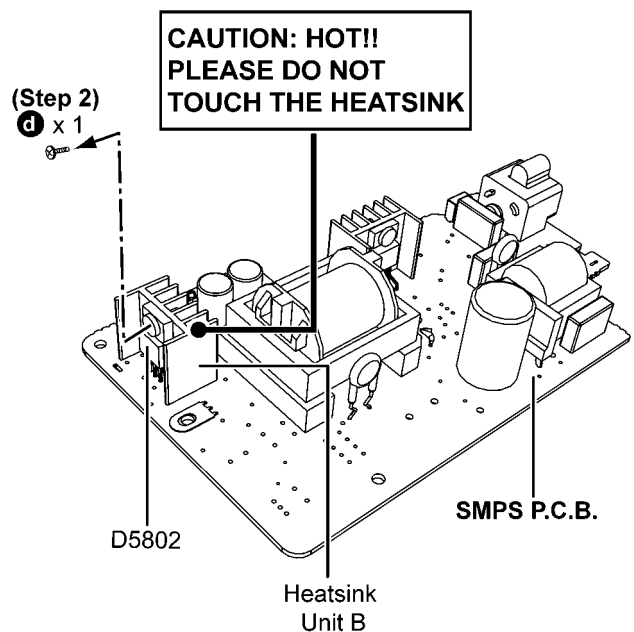
Caution: Handle the SMPS P.C.B. with caution. Avoid touching the Heatsink Unit B due to it's high temperature after prolonged use. Touching it may lead to injuries.

Step 1 : Desolder the pins of the Rectifier Diode (D5802) on the solder side of SMPS P.C.B..



Step 2 : Remove 1 screw.

Step 3 : Remove the Rectifier Diode (D5802) from the Heatsink Unit B.



11.4.5.2. Assembly of Rectifier Diode (D5802)

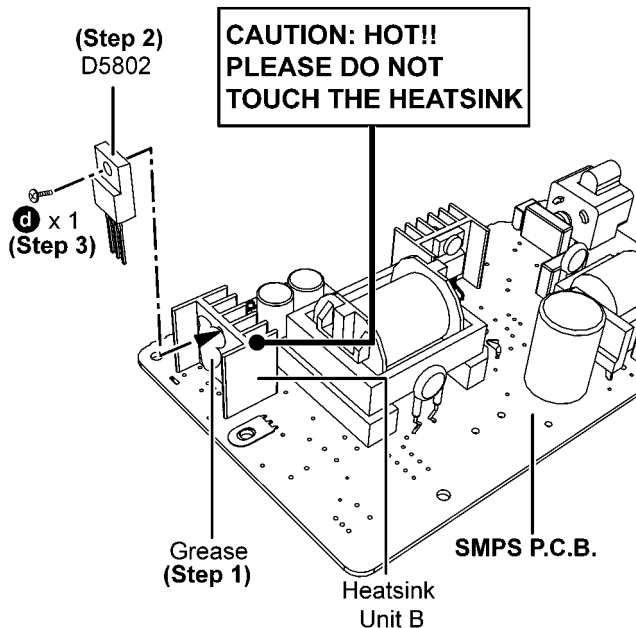
Step 1 : Apply Grease on the Heatsink Unit B.

Step 2 : Fix the Rectifier Diode (D5802) onto the SMPS P.C.B..

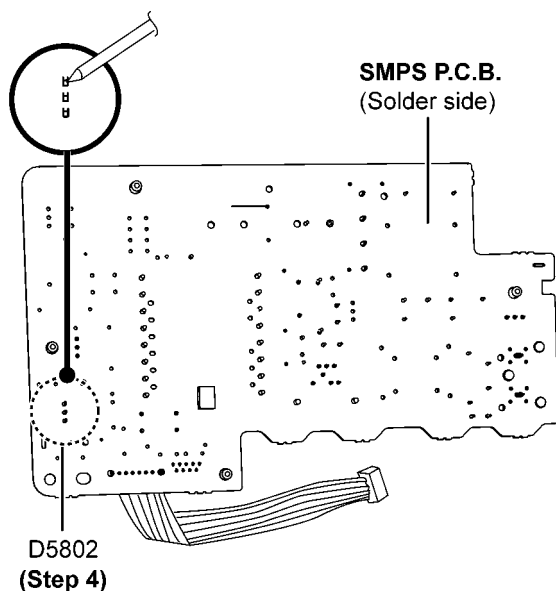
Caution: Ensure the pins of Rectifier Diode (D5802) is inserted and seated properly on the SMPS P.C.B..

Step 3 : Fix the Rectifier Diode (D5802) onto the Heatsink Unit B with a screw.

Caution: Ensure the Rectifier Diode (D5802) is tightly screwed to the Heatsink Unit B.



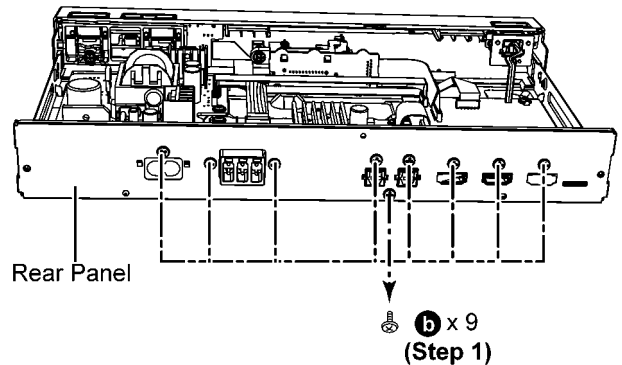
Step 4 : Solder the pins of the Rectifier Diode (D5802) on the solder side of SMPS P.C.B..



11.4.6. Disassembly of Rear Panel

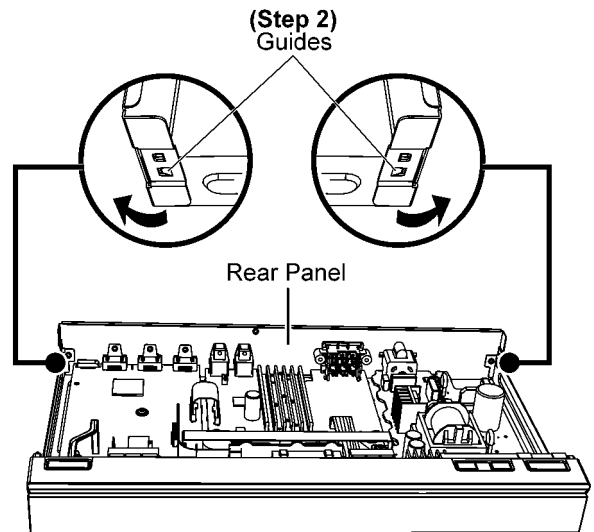
• Refer to "Disassembly of Top Cabinet".

Step 1 : Remove 9 screws.

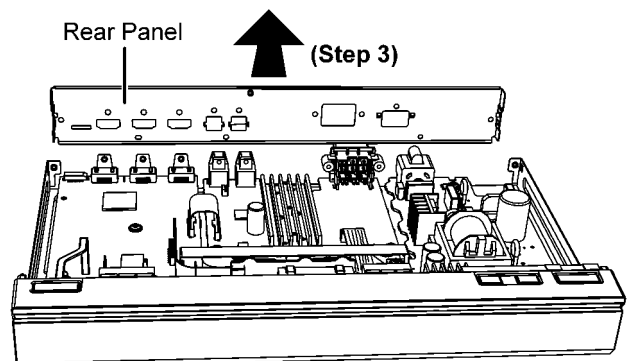


Step 2 : Release the guides on both sides.

Caution: During assembling, ensure that the Rear Panel is seated properly onto the guides.



Step 3 : Remove the Rear Panel as arrow shown.

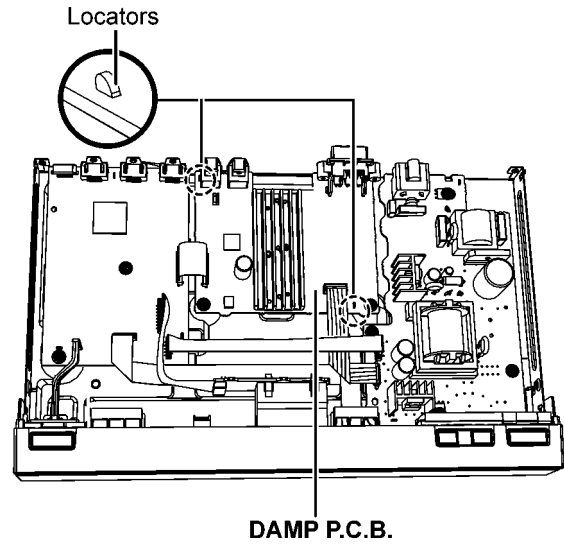
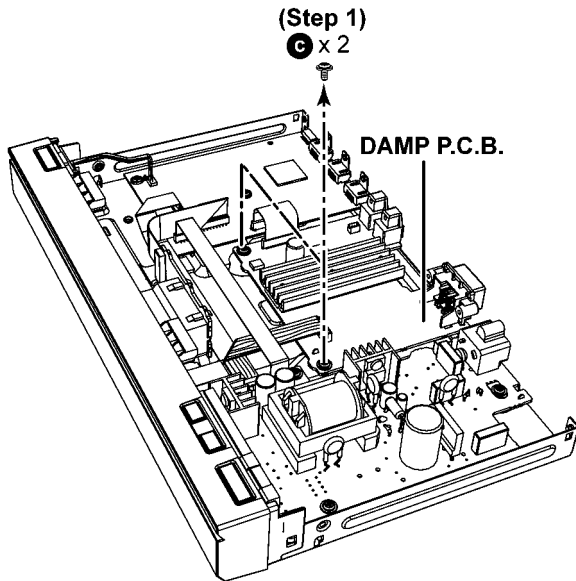


11.4.7. Disassembly of DAMP P.C.B.

- Refer to “Disassembly of Top Cabinet”.
- Refer to “Disassembly of Rear Panel”.

Caution: During assembling, ensure that the DAMP P.C.B. is seated properly on the locators.

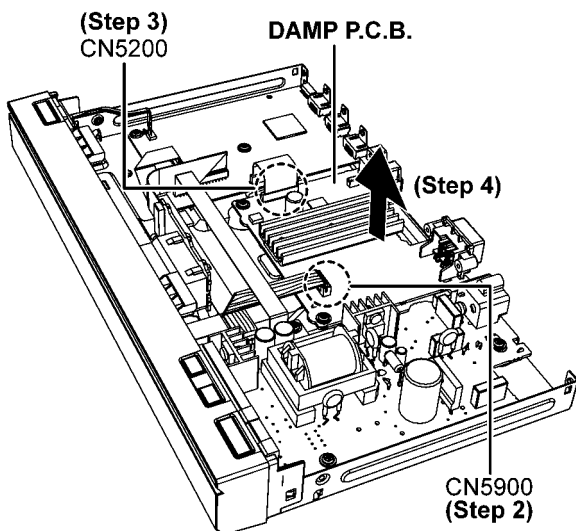
Step 1 : Remove 2 screws.



Step 2 : Detach 6P Cable Wire at the connector (CN5900) on DAMP P.C.B..

Step 3 : Detach 40P FFC at the connector (CN5200) on DAMP P.C.B..

Step 4 : Remove the DAMP P.C.B. as shown.



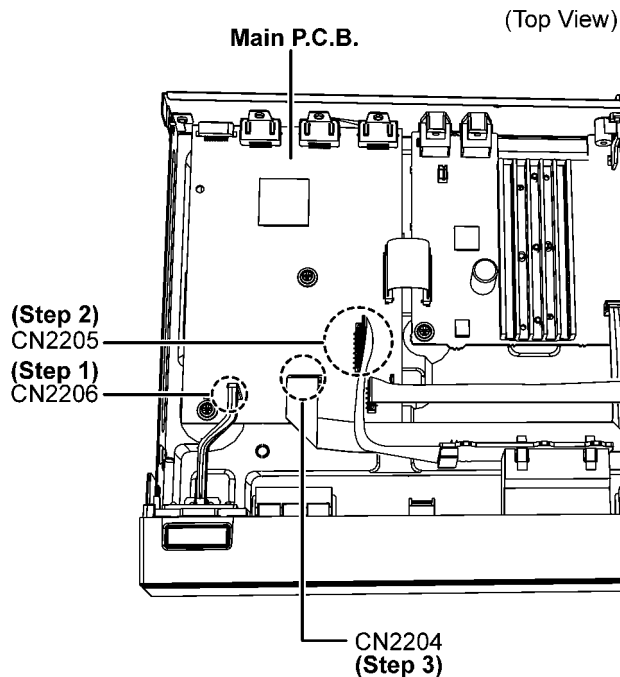
11.4.8. Disassembly of Front Panel Block

• Refer to "Disassembly of Top Cabinet".

Step 1 : Detach 2P Cable Wire at the connector (CN2206) on Main P.C.B..

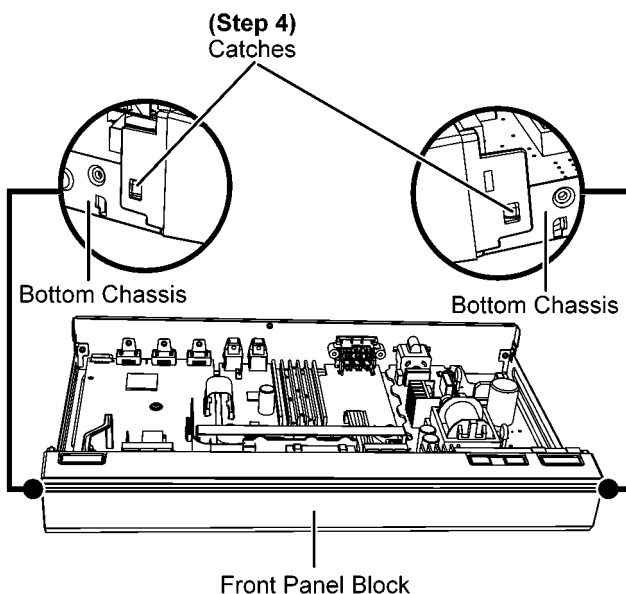
Step 2 : Detach 17P FFC at the connector (CN2205) on Main P.C.B..

Step 3 : Detach 11P FFC at the connector (CN2204) on Main P.C.B..



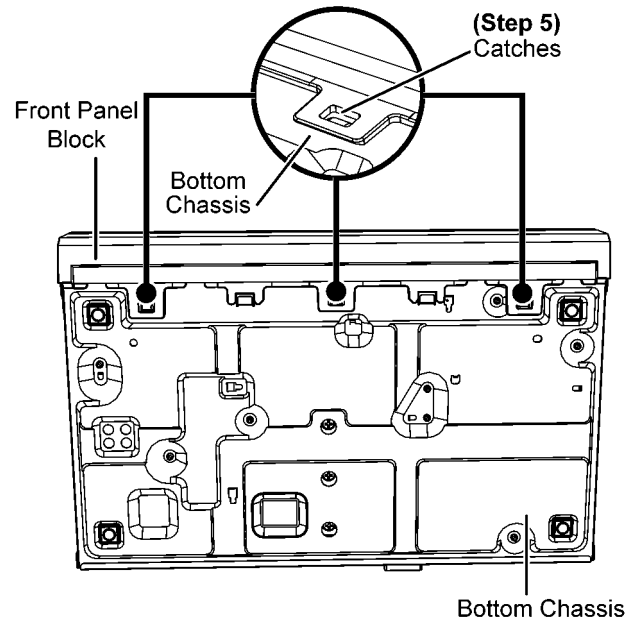
Step 4 : Release 2 catches.

Caution: During assembling, ensure that the Front Panel Block is properly inserted and fully catches onto the Bottom Chassis.



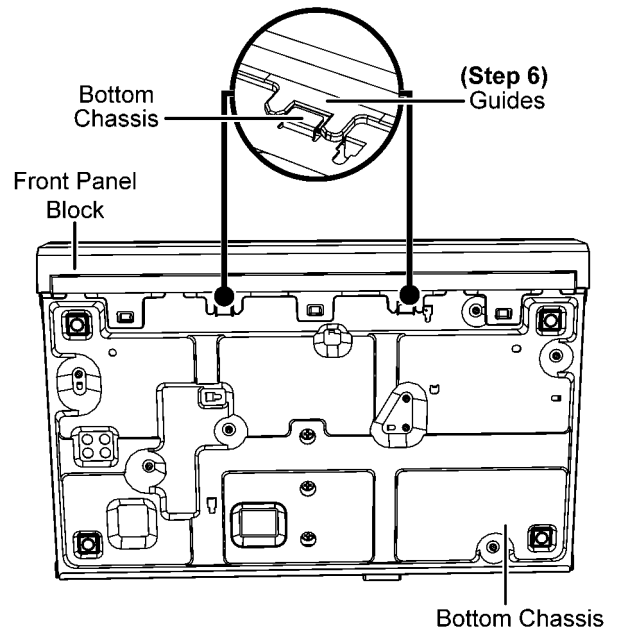
Step 5 : Release 3 catches.

Caution: During assembling, ensure that the Front Panel Block is properly inserted and fully catches onto the Bottom Chassis.

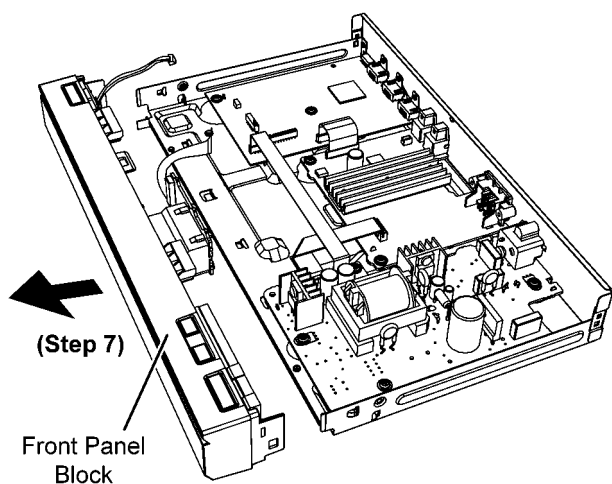


Step 6 : Release 2 guides.

Caution: During assembling, ensure that the Front Panel Block is seated properly onto the Bottom Chassis.



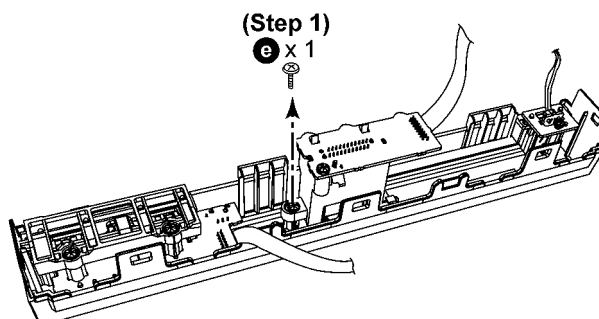
Step 7 : Remove the Front Panel Block as shown.



11.4.9. Disassembly of Wireless Adapter P.C.B. and Digital Transmitter Module P.C.B.

- Refer to "Disassembly of Top Cabinet".
- Refer to "Disassembly of Front Panel Block".

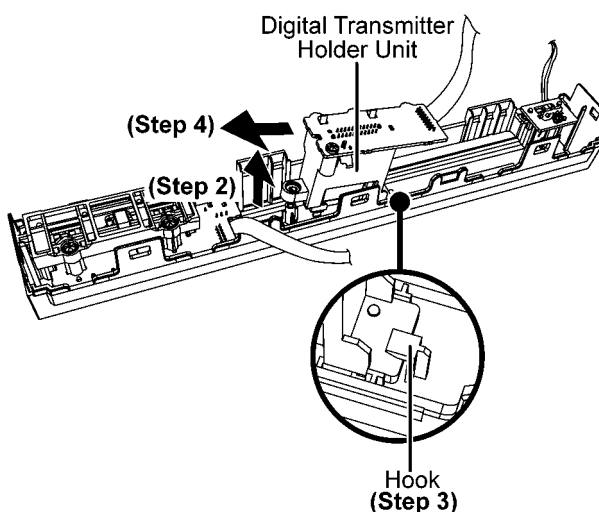
Step 1 : Remove 1 screw.



Step 2 : Lift up the Digital Transmitter Holder Unit as shown.

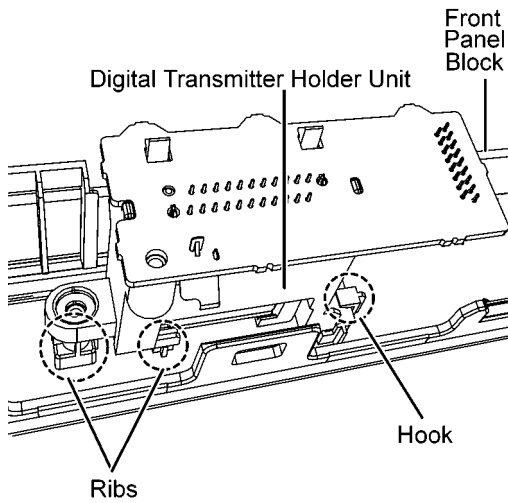
Step 3 : Release the Digital Transmitter Holder Unit from hook.

Step 4 : Remove the Digital Transmitter Holder Unit as shown.



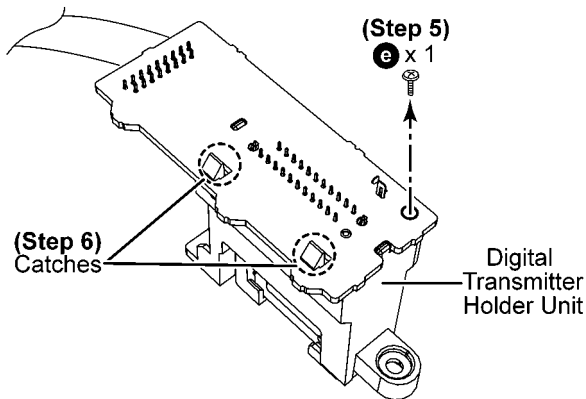
Caution 1 : During assembling, ensure that the Digital Transmitter Holder Unit is fully inserted under the hook of the Front Panel Block.

Caution 2 : During assembling, ensure that the Digital Transmitter Holder Unit is properly located in between the 2 ribs.

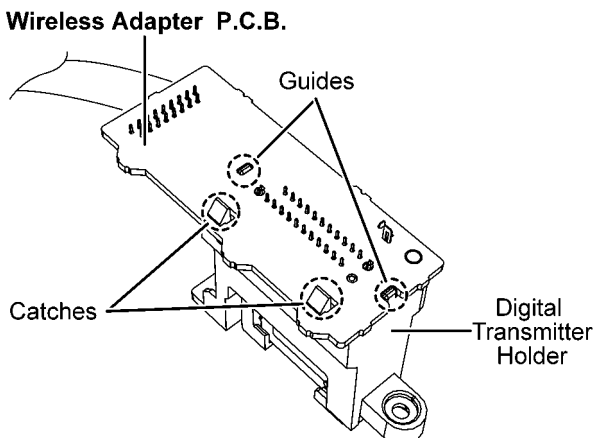


Step 5 : Remove 1 screw.

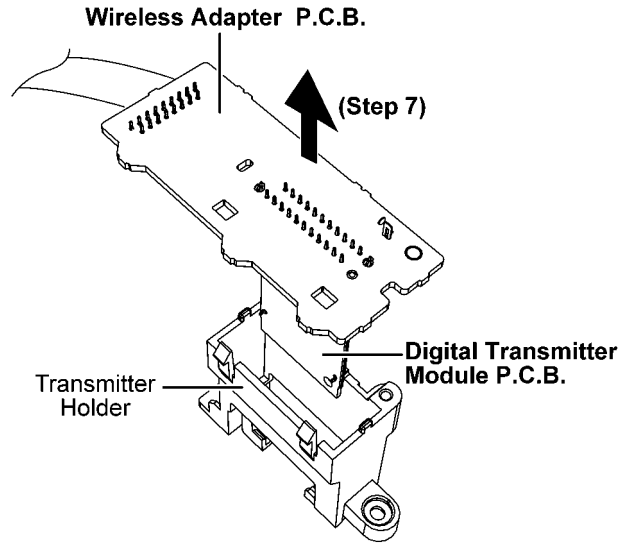
Step 6 : Release 2 catches.



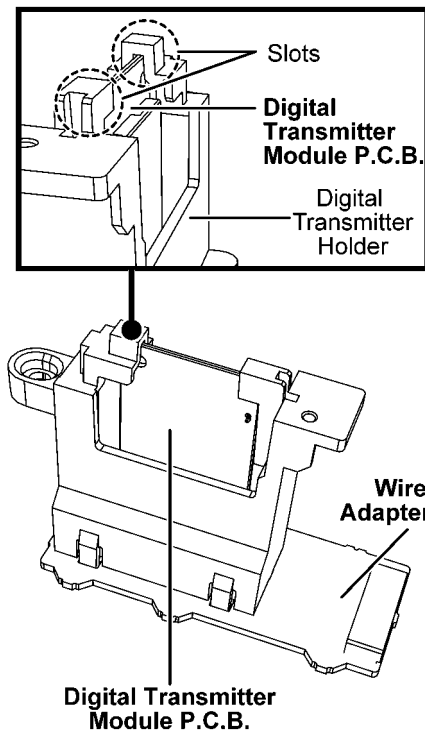
Caution: During assembling, ensure that the Wireless Adapter P.C.B. is seated properly onto the guides and fully catches onto the Digital Transmitter Holder.



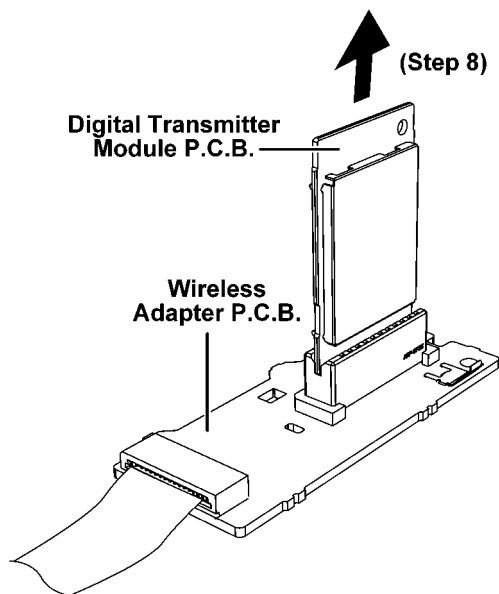
Step 7 : Remove the Wireless Adapter P.C.B. and the Digital Transmitter Module P.C.B. together as shown.



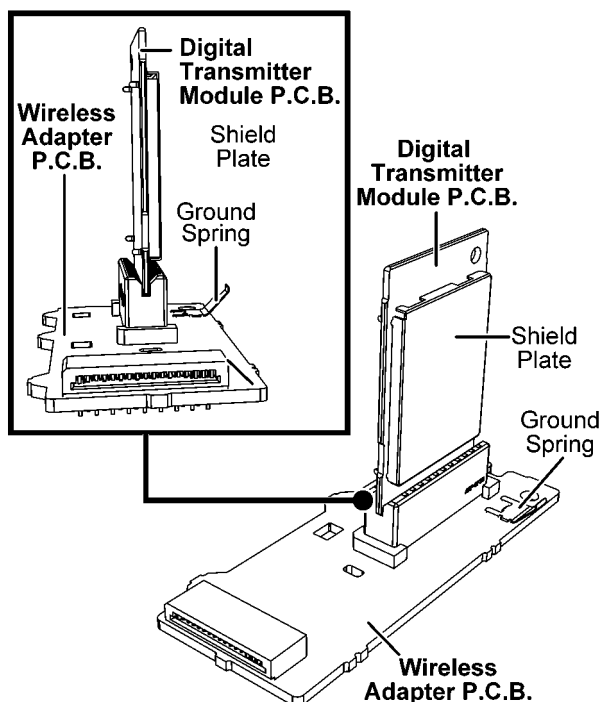
Caution: During assembling, ensure that the Digital Transmitter Module P.C.B. is properly inserted into the slots of the Digital Transmitter Holder as shown.



Step 8 : Remove the Digital Transmitter Module P.C.B. as shown.



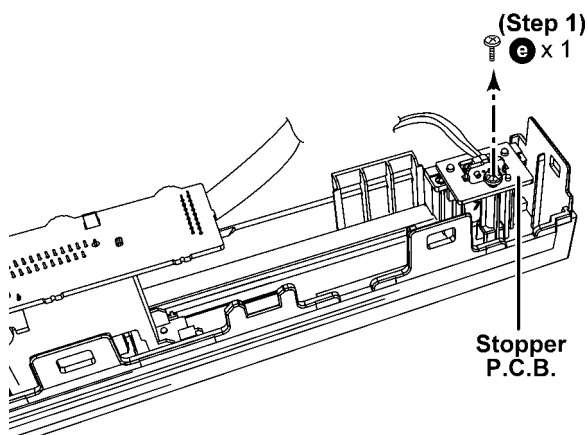
Caution: During assembling, ensure that the Digital Transmitter Module P.C.B. is fully inserted into the Wireless Adapter P.C.B. as direction with Shield Plate is facing to Ground Spring.



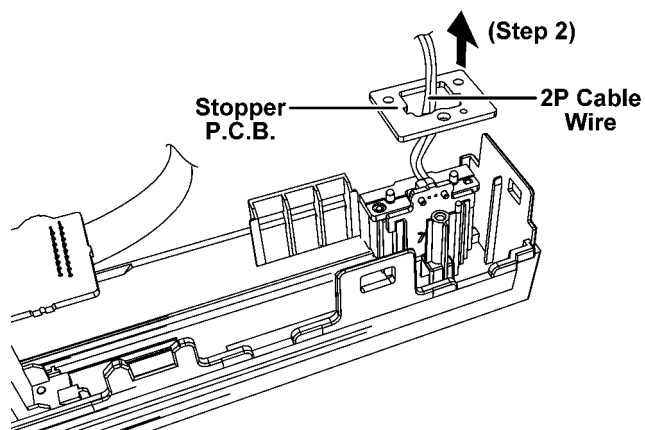
11.4.10. Disassembly of Power Button P.C.B.

- Refer to "Disassembly of Top Cabinet".
- Refer to "Disassembly of Front Panel Block".

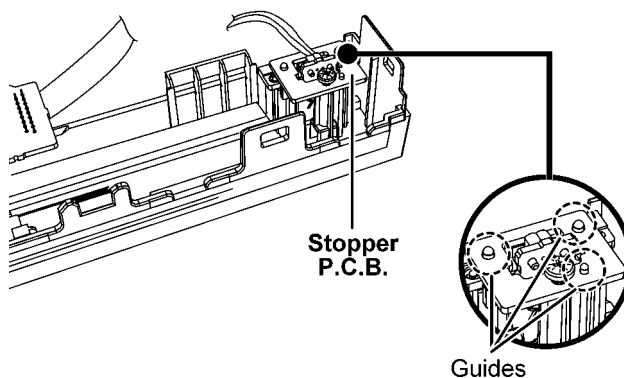
Step 1 : Remove 1 screw.



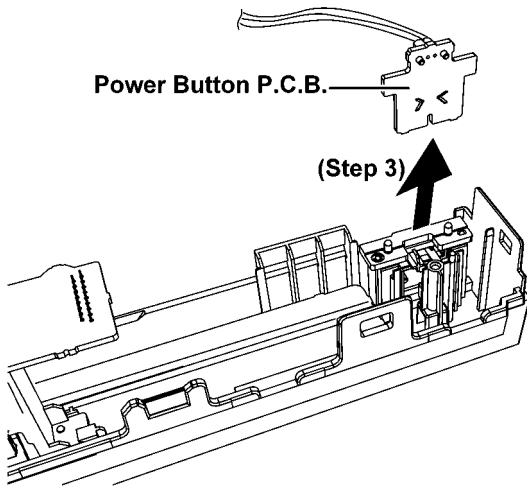
Step 2 : Remove the Stopper P.C.B. through the 2P Cable Wire as shown.



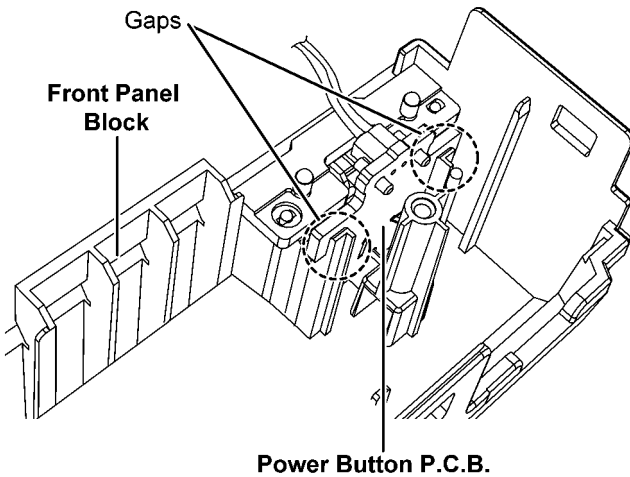
Caution: During assembling, ensure that the Stopper P.C.B. is seated properly onto the guides of the Front Panel Block.



Step 3 : Remove the Power Button P.C.B. as shown.



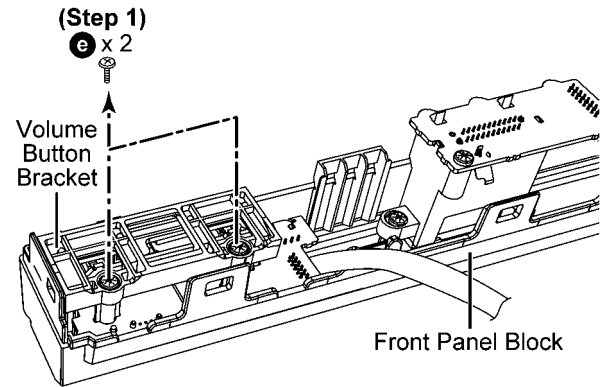
Caution: During assembling, ensure that the Power Button P.C.B. is inserted properly into the gaps of the Front Panel Block.



11.4.11. Disassembly of Button P.C.B. and Panel P.C.B.

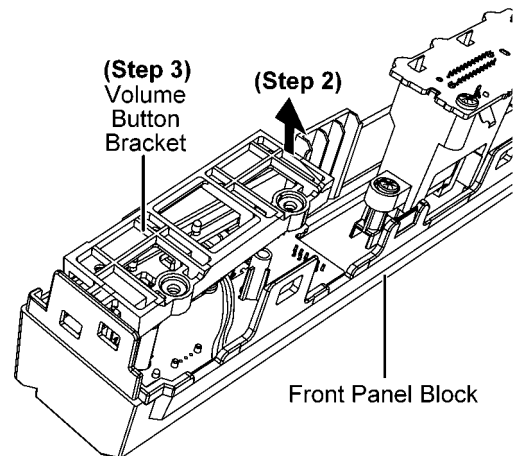
- Refer to "Disassembly of Top Cabinet".
- Refer to "Disassembly of Front Panel Block".

Step 1 : Remove 2 screws.

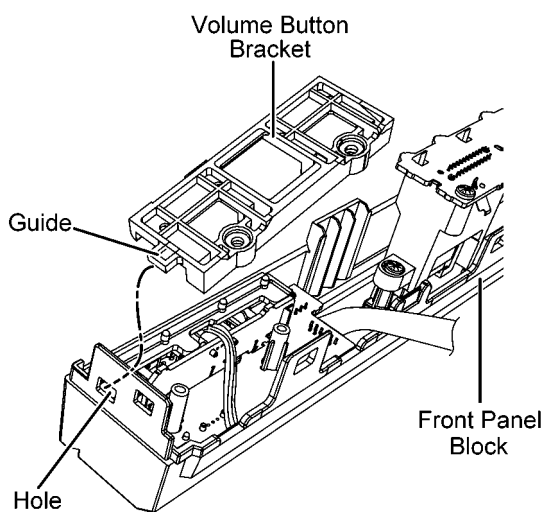


Step 2 : Lift up the Volume Button Bracket as shown.

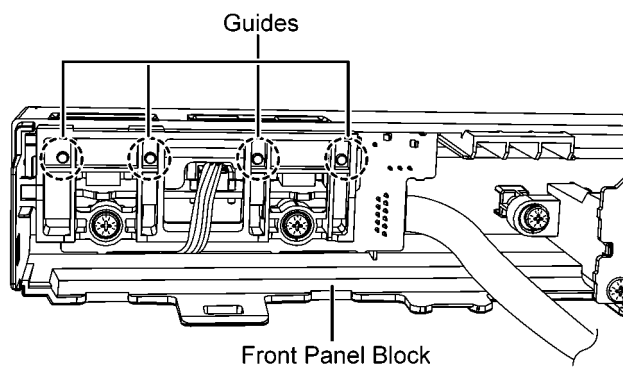
Step 3 : Remove the Volume Button Bracket.



Caution: During assembling, ensure that the Volume Button Bracket is properly inserted into the hole of the Front Panel Block.

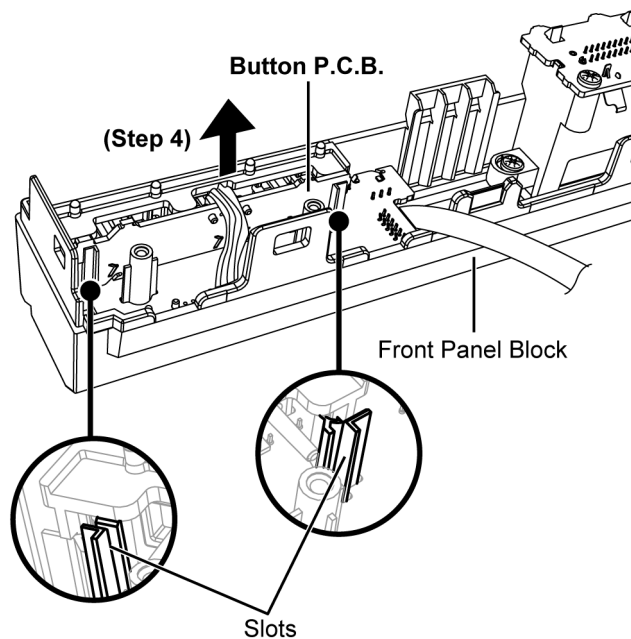


Caution: During assembling, ensure that the Volume Button Bracket is seated properly on the guides of the Front Panel Block.

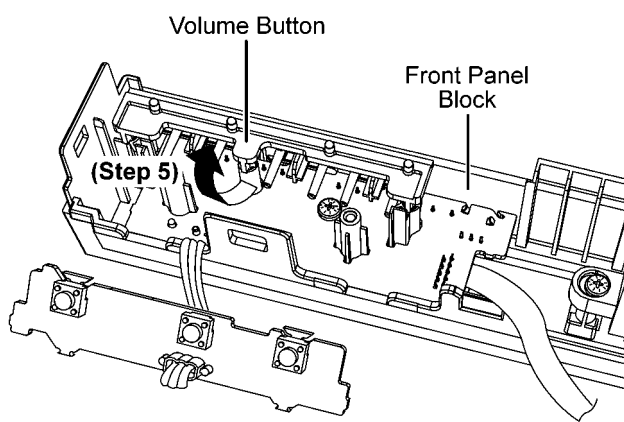


Step 4 : Lift up to release the Button P.C.B. from the slots of the Front Panel Block.

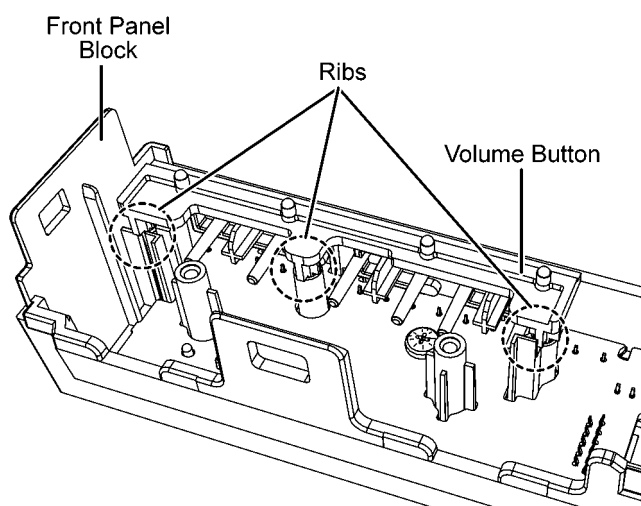
Caution: During assembling, ensure that the Button P.C.B. is properly inserted into the slots of the Front Panel Block.



Step 5 : Remove the Volume Button as shown.

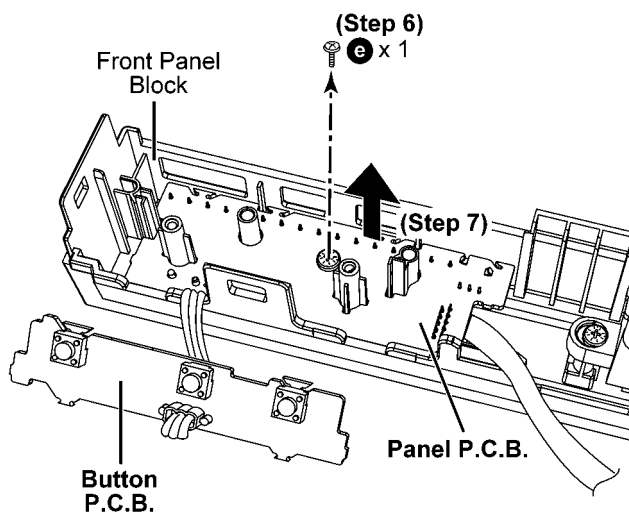


Caution: During assembling, ensure that the Volume Button is properly located in between the 3 ribs of the Front Panel Block.

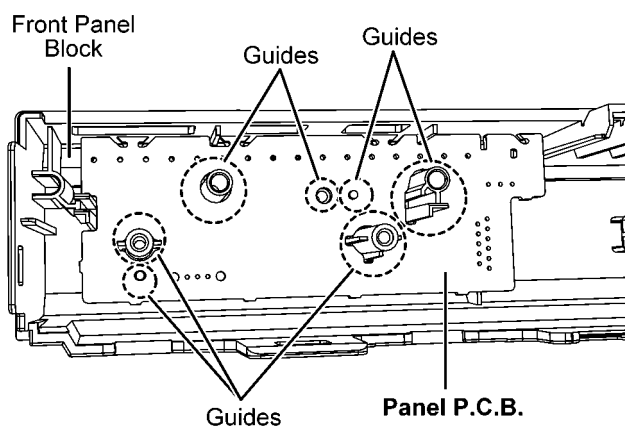


Step 6 : Remove 1 screw.

Step 7 : Remove the Panel P.C.B. as shown.



Caution: During assembling, ensure that the Panel P.C.B. is seated properly on the guides of the Front Panel Block.



11.5. Front Speakers (SB-HTB550)

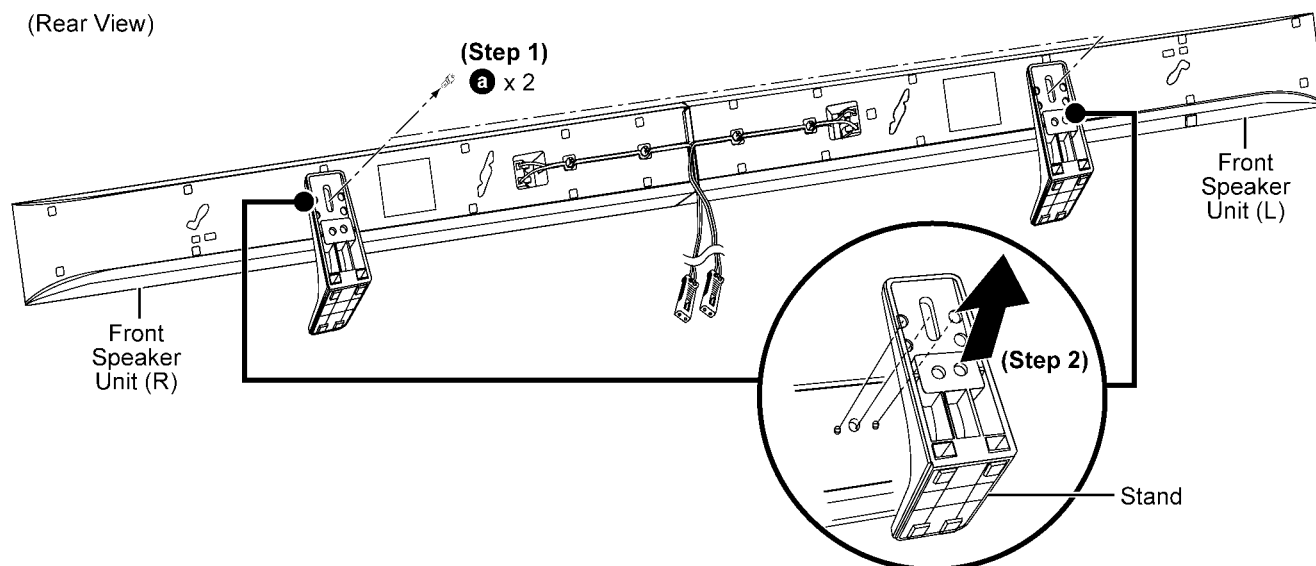
11.5.1. Disassembly of Front Speaker Unit (L/R) (Bar position)

• Front Speaker Unit with Stand

Step 1 : Remove 2 screws.

Step 2 : Remove 2 Stands.

(Rear View)

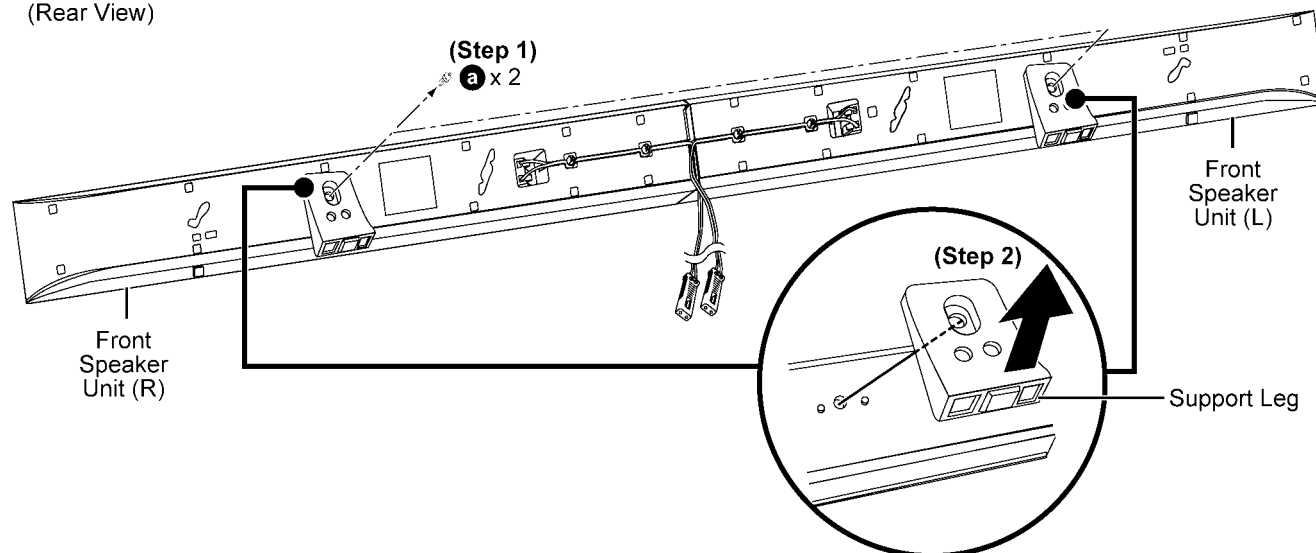


• Front Speaker Unit with Support Leg

Step 1 : Remove 2 screws.

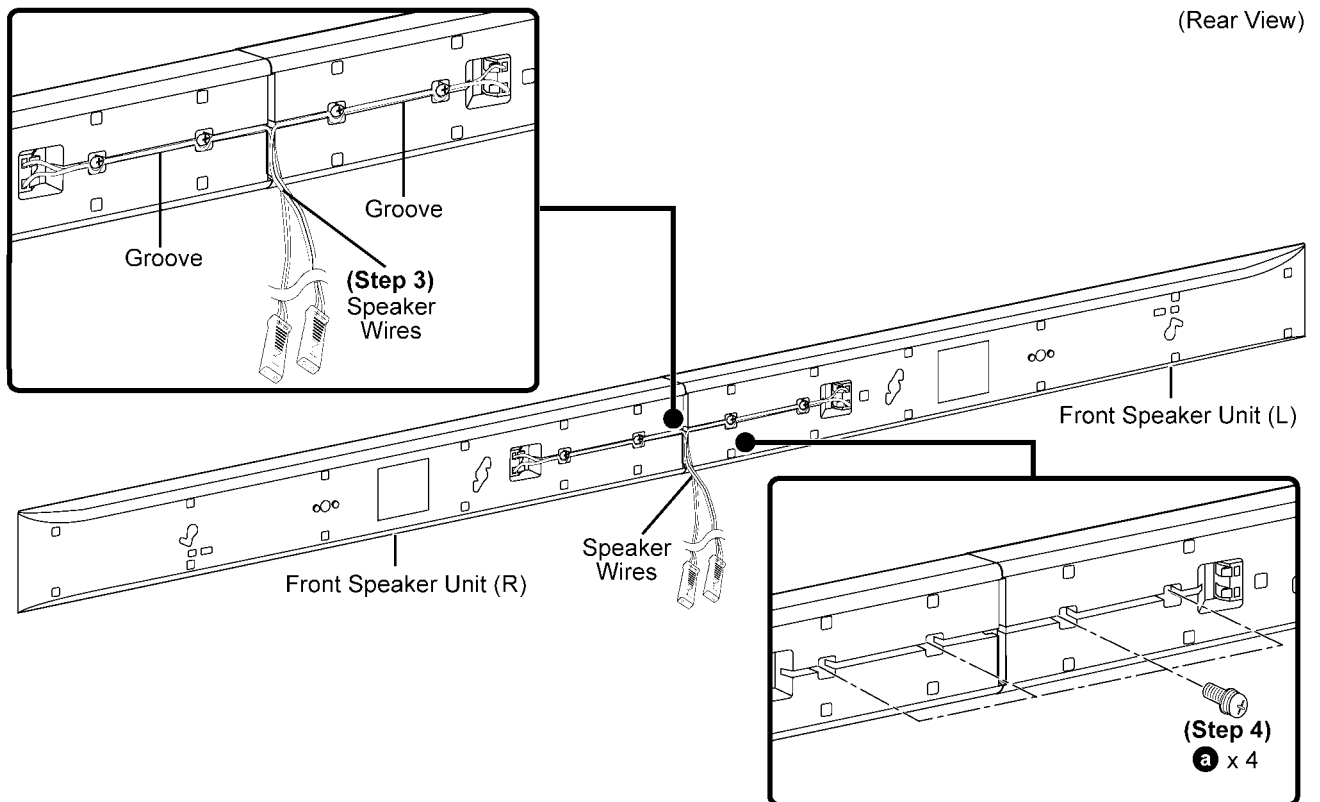
Step 2 : Remove 2 Support Legs.

(Rear View)

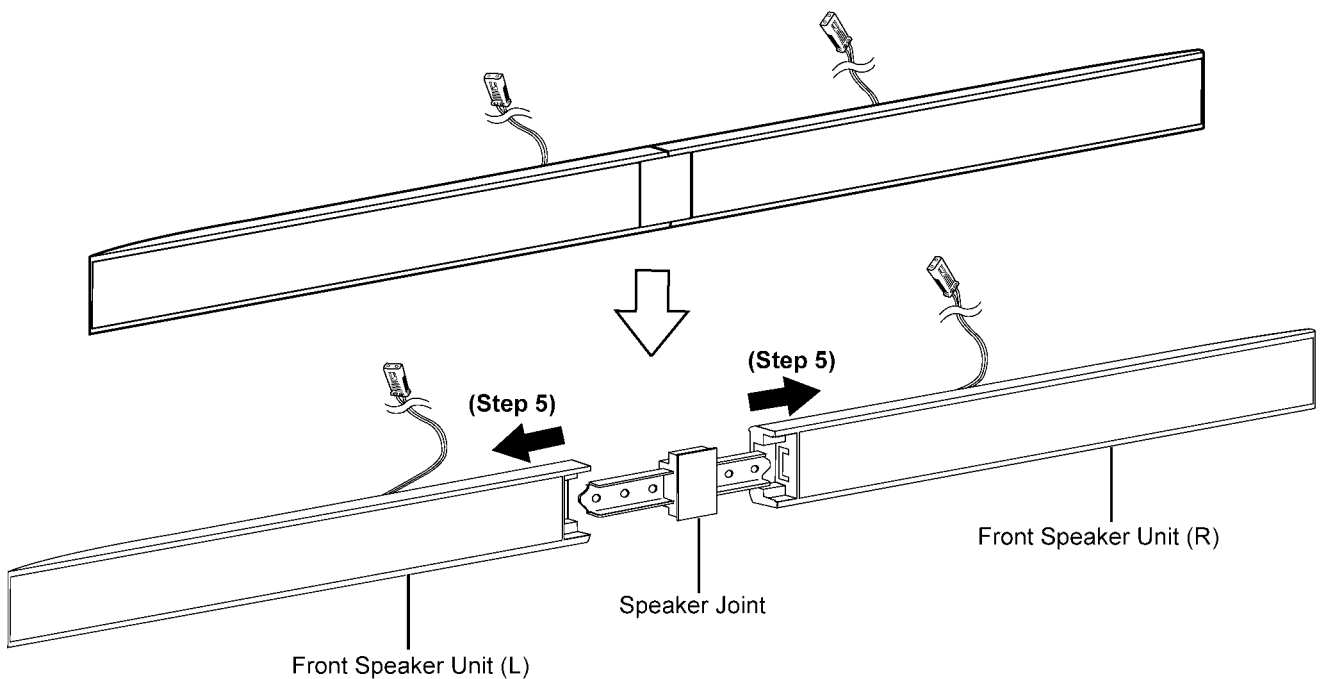


Step 3 : Release the Speaker Wires from the grooves.

Step 4 : Remove 4 screws.



Step 5 : Detach the Front Speaker Unit (L) & (R) as arrow shown.



11.5.2. Disassembly of Front Speaker Unit (L/R) (Standing position)

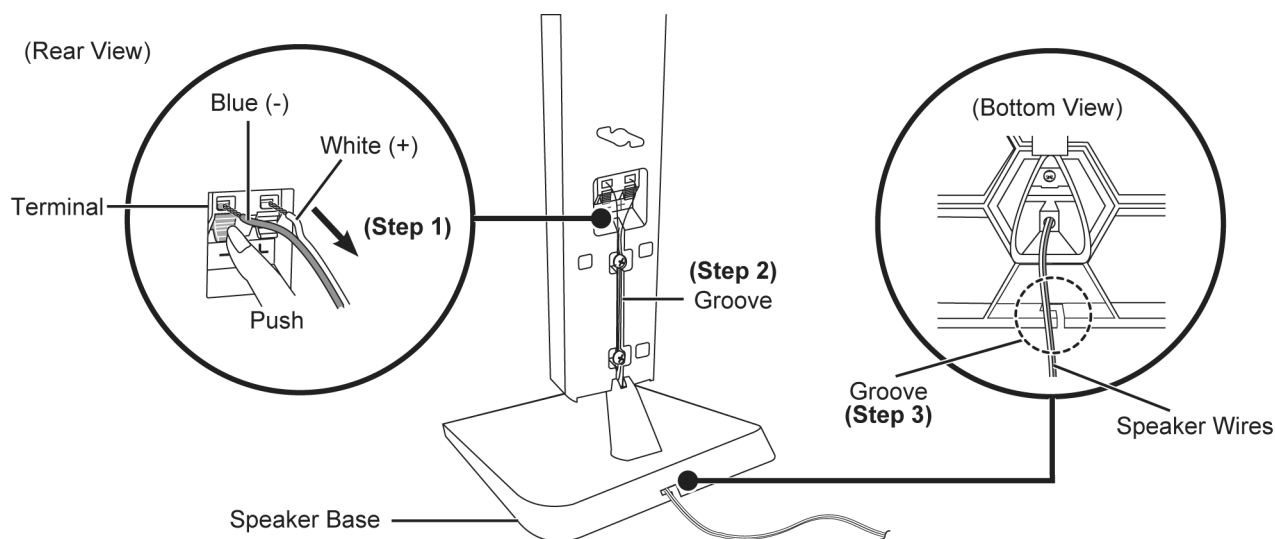
Note : Front Speaker Unit (L) and (R) have the same mechanical structure.

The same disassembly procedure can be applied for the both of them. Front Speaker Unit (L) is illustrated here.

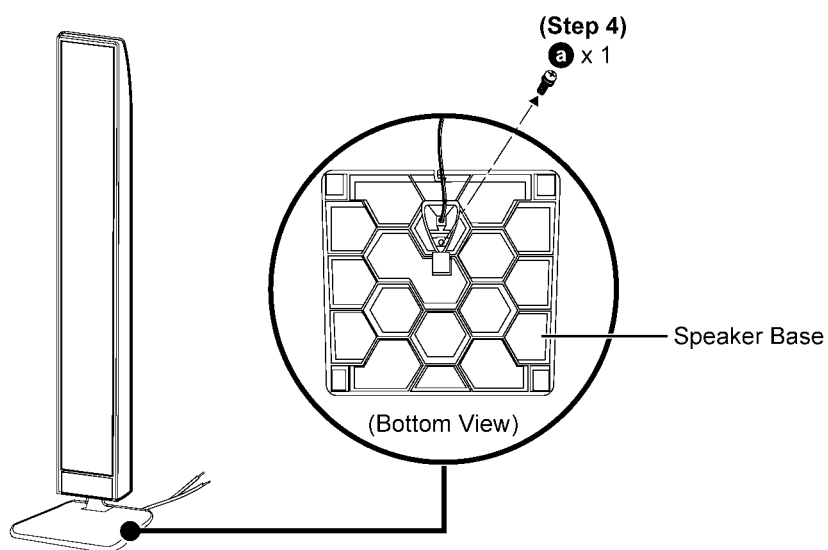
Step 1 : Push and release the White (+) and Blue (-) Speaker wires from Terminal.

Step 2 : Release the Speaker Wires from the groove.

Step 3 : Release the Speaker Wires from the groove.

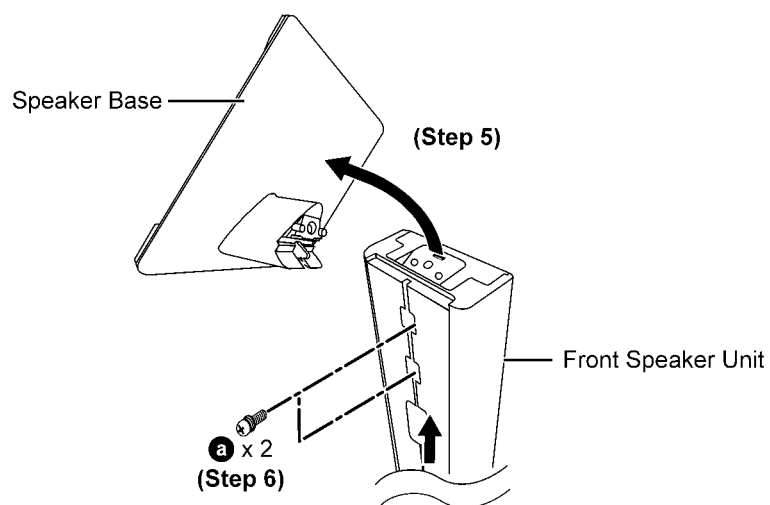


Step 4 : Remove 1 screw.

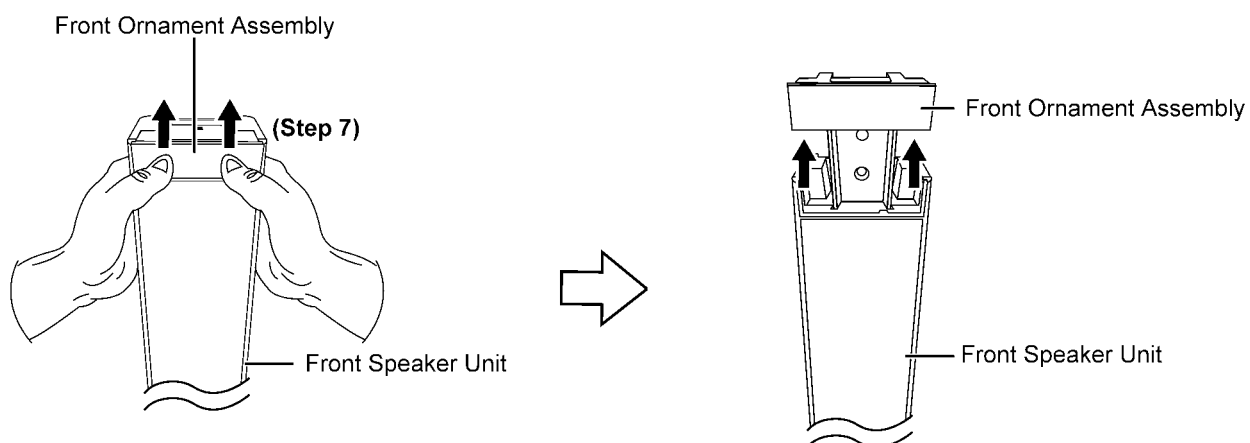


Step 5 : Remove the Speaker Base.

Step 6 : Remove 2 screws.



Step 7 : Push up and remove the Front Ornament Assembly.



11.5.3. Disassembly of Rear Cabinet Assembly

Notes : Front Speaker Unit (L) and (R) have the same mechanical structure. The same disassembly procedure can be applied for the both of them. Front Speaker Unit (L) is illustrated here.

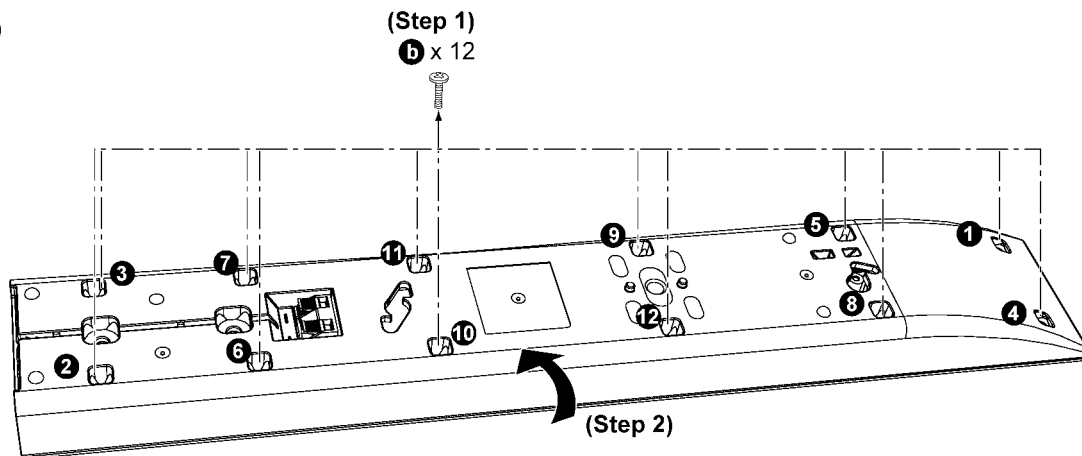
- Refer to “Disassembly of Front Speaker Unit (L/R)”.

Step 1 : Remove 12 screws.

Caution: During assembling, ensure that the screws are fixed by following the sequence from 1 to 12.

Step 2 : Upset the unit.

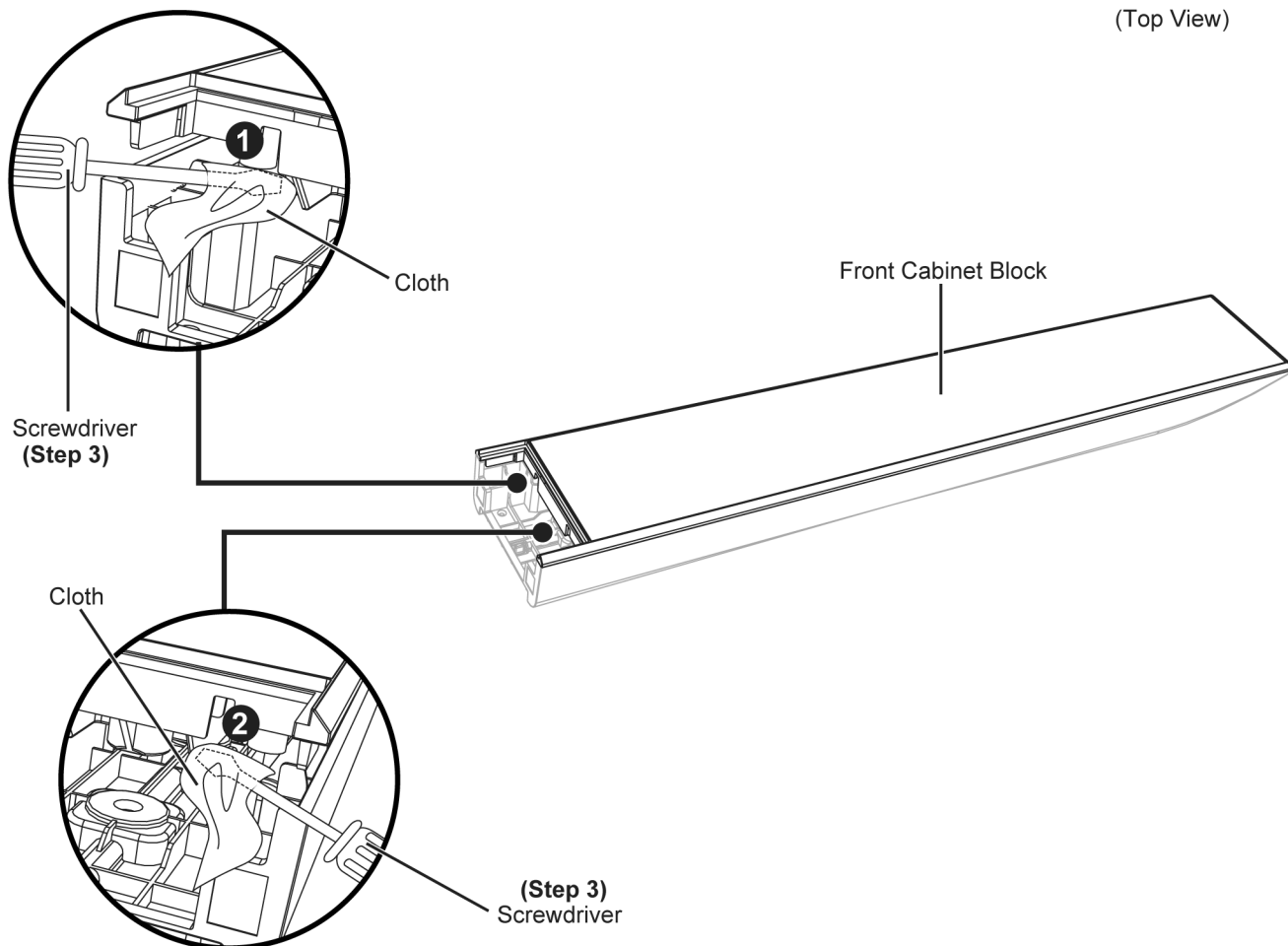
(Rear View)



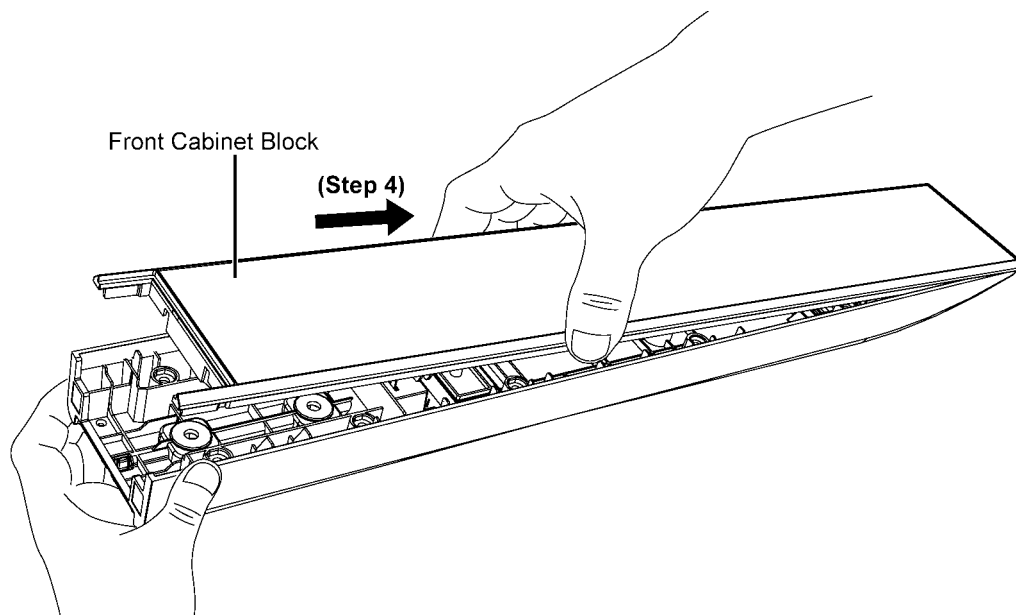
Step 3 : Slightly tilt and lift up the Front Cabinet Block by using screwdriver with cloth.

Caution: Do not exert too much force as it may damage the Front Cabinet Block.

(Top View)



Step 4 : Slightly lift up the Front Cabinet Block as arrow shown.



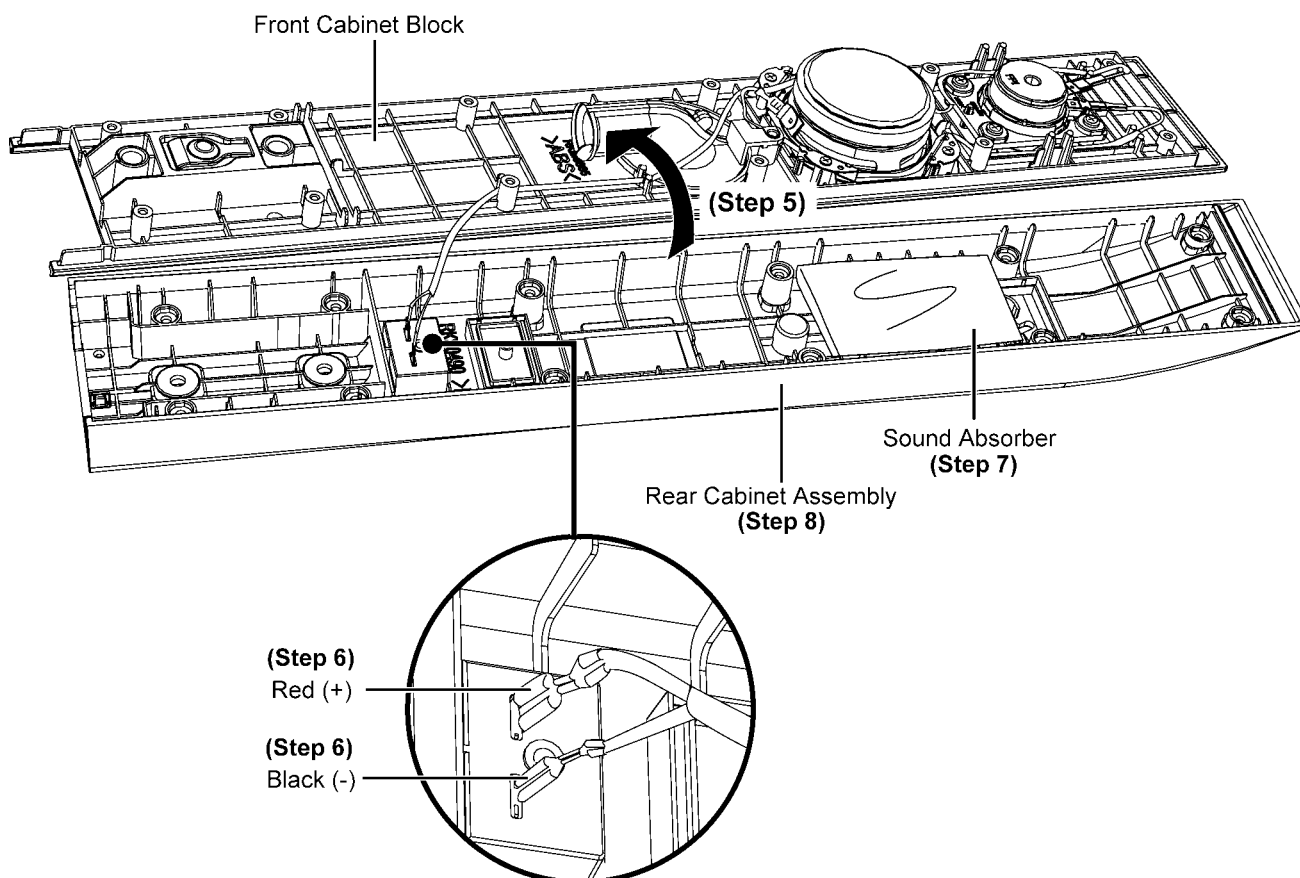
Step 5 : Upset the Front Cabinet Block and place by the side of the Rear Cabinet Assembly.

Step 6 : Detach the Red(+) and Black(-) wires.

Step 7 : Remove the Sound Absorber.

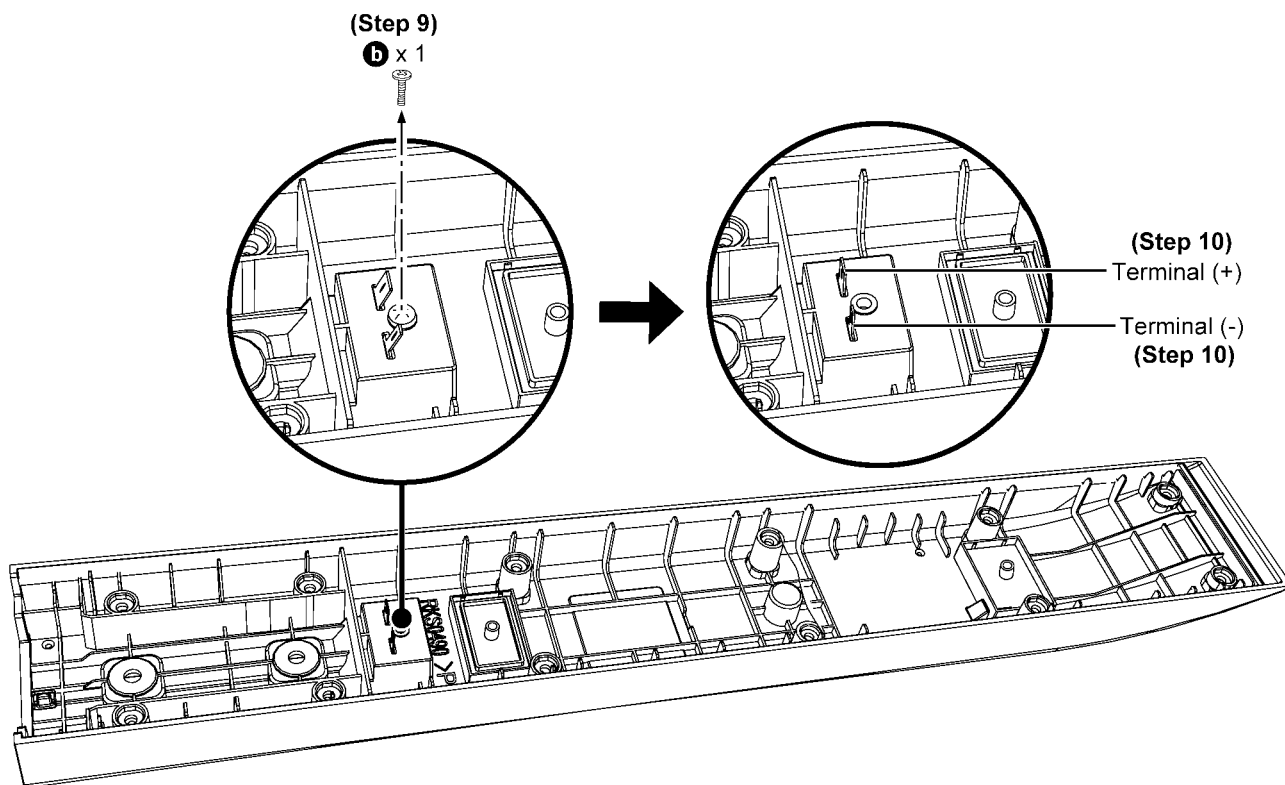
Caution: Keep the Sound Absorber in safe place and place them back during assembling.

Step 8 : Remove the Rear Cabinet Assembly.

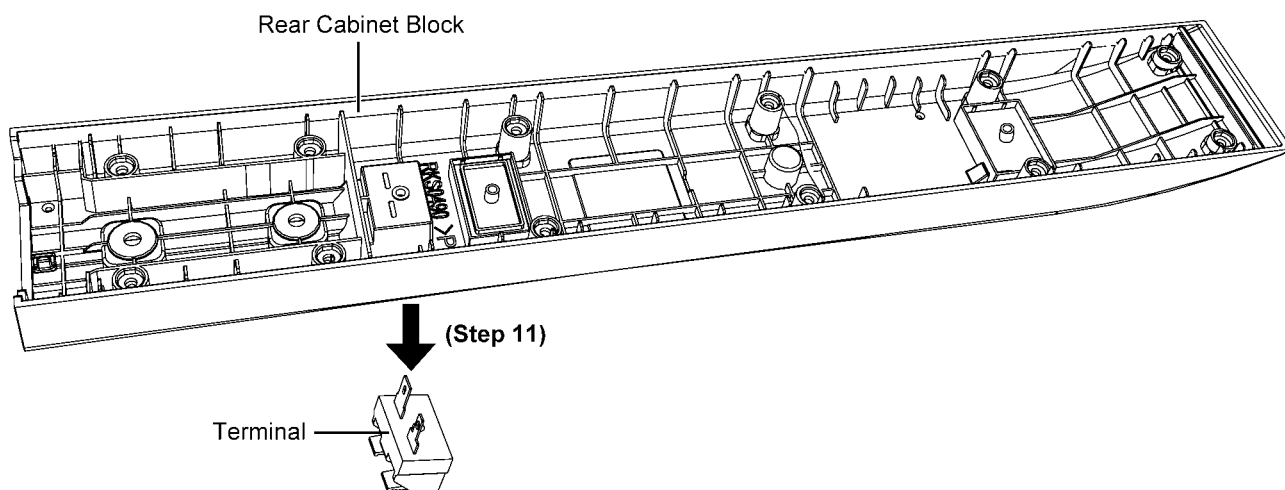


Step 9 : Remove 1 screw.

Step 10 : Slightly bend up the Terminal (+) and Terminal (-).



Step 11 : Remove the Terminal as arrow shown.

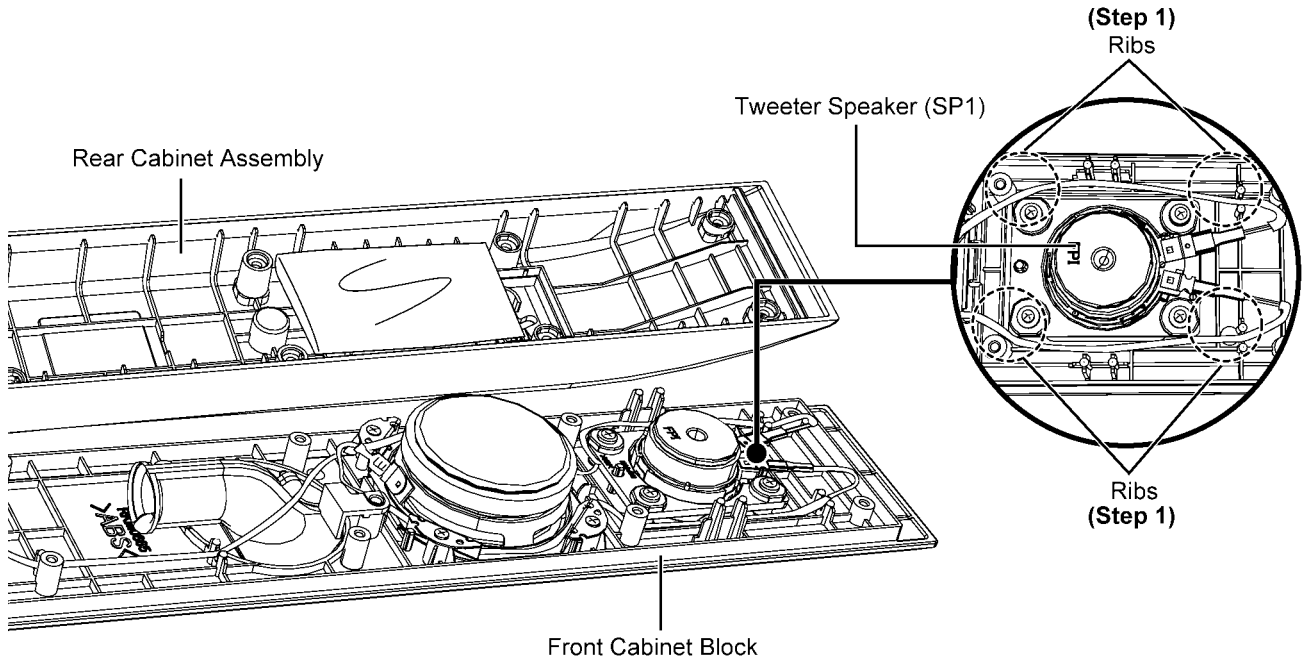


11.5.4. Disassembly of Tweeter Speaker (SP1)

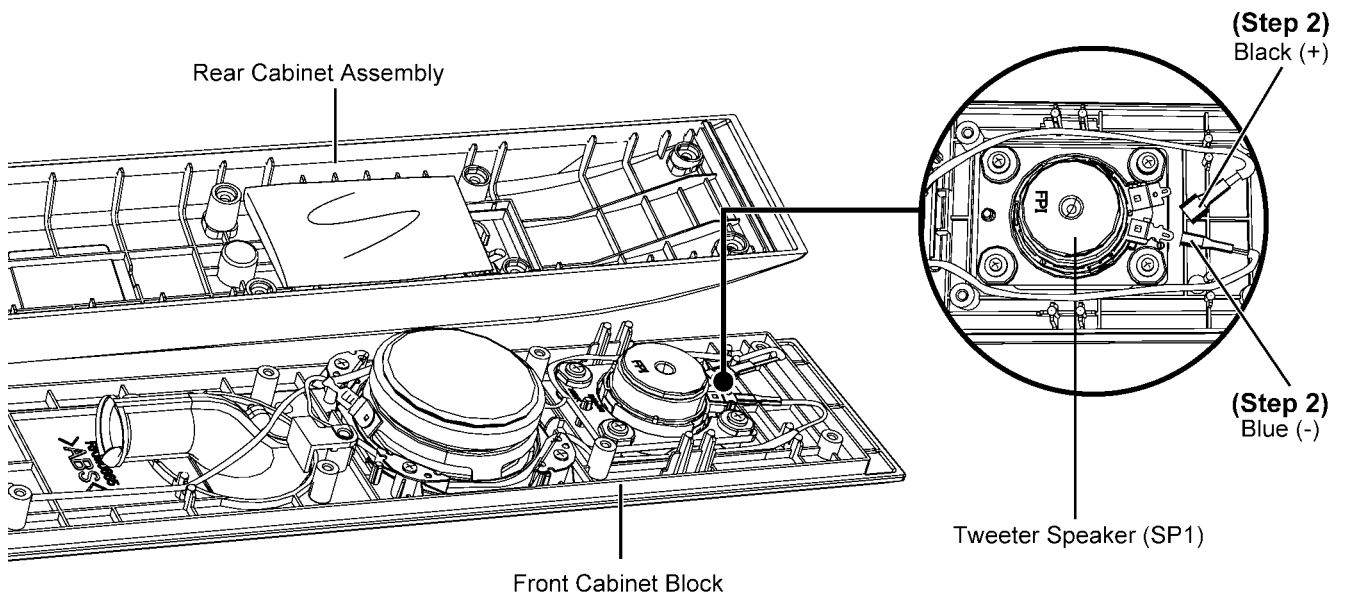
Notes : Front Speaker Unit (L) and (R) have the same mechanical structure. The same disassembly procedure can be applied for the both of them. Front Speaker Unit (L) is illustrated here.

- Refer to “Disassembly of Front Speaker Unit (L/R)”.
- Refer to (Step 1) to (Step 4) of “Disassembly of Rear Cabinet Assembly”.

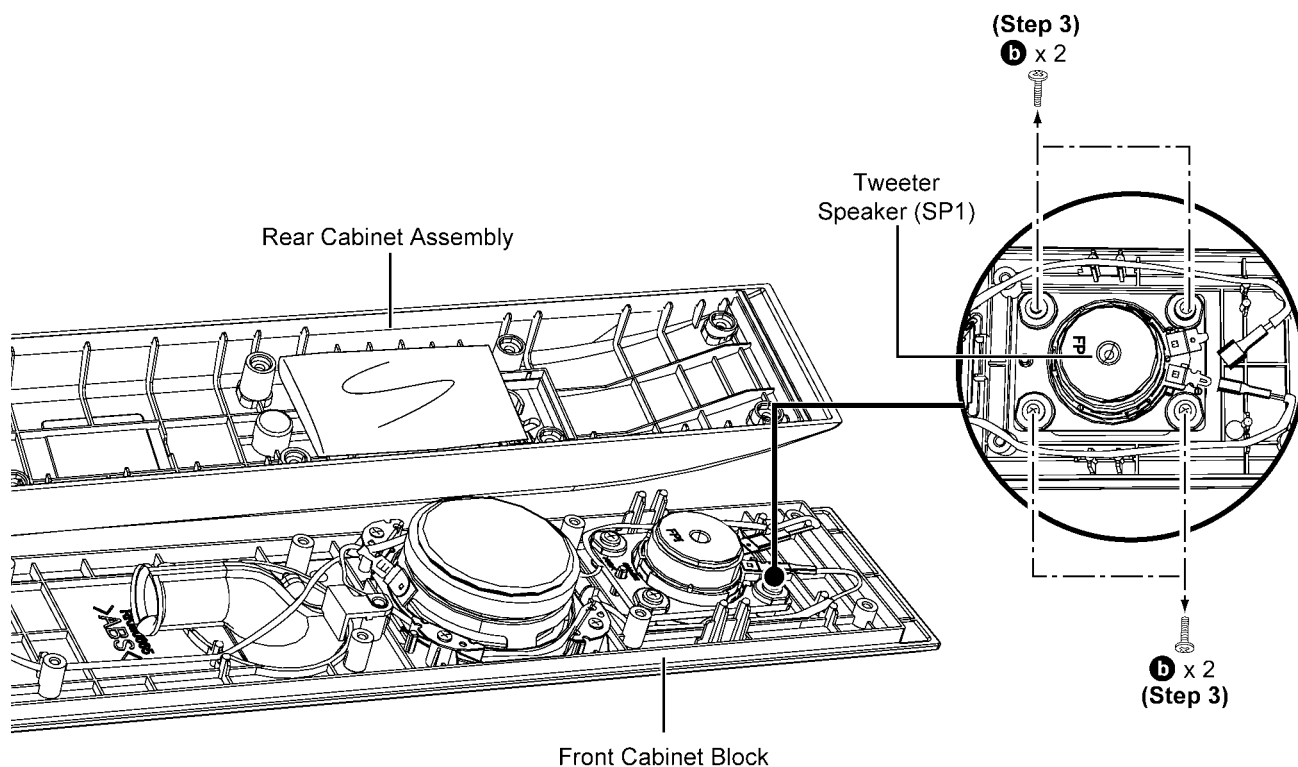
Step 1 : Release the Speaker Wires from the ribs of the Front Cabinet Block.



Step 2 : Detach the Black (+) and Blue (-) wires.

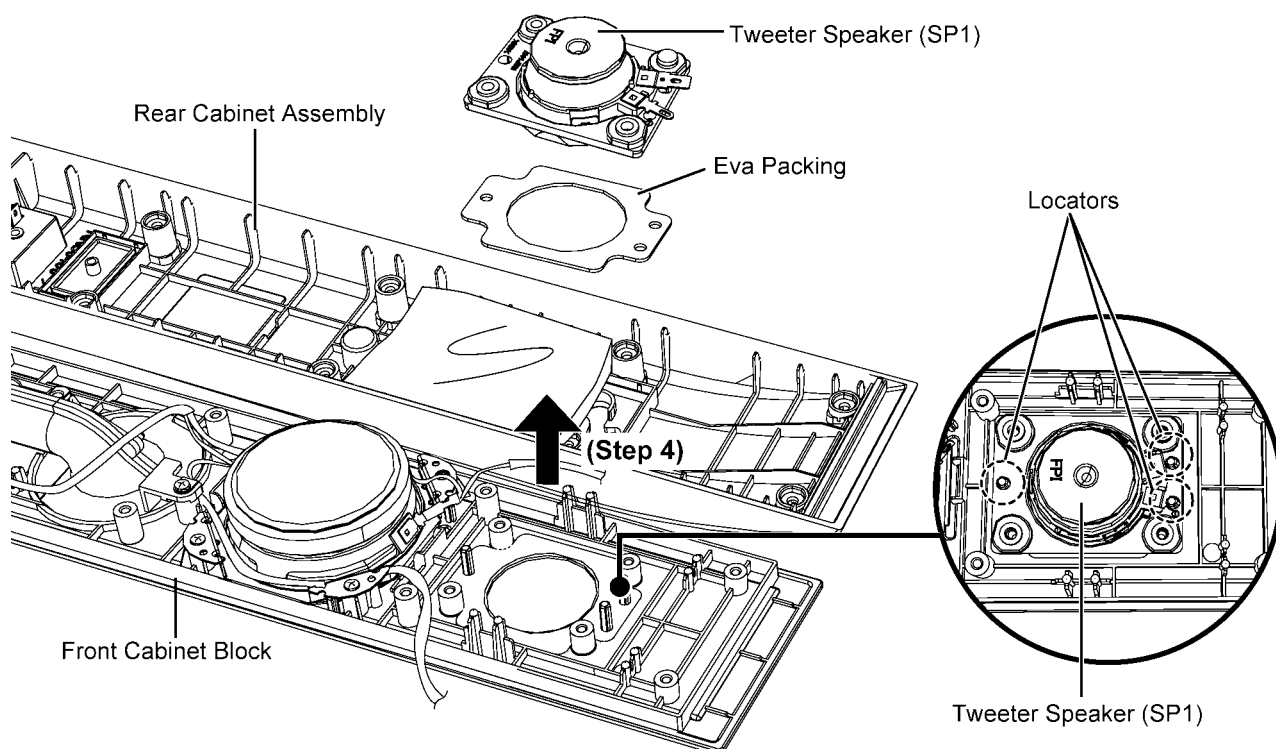


Step 3 : Remove 4 screws.

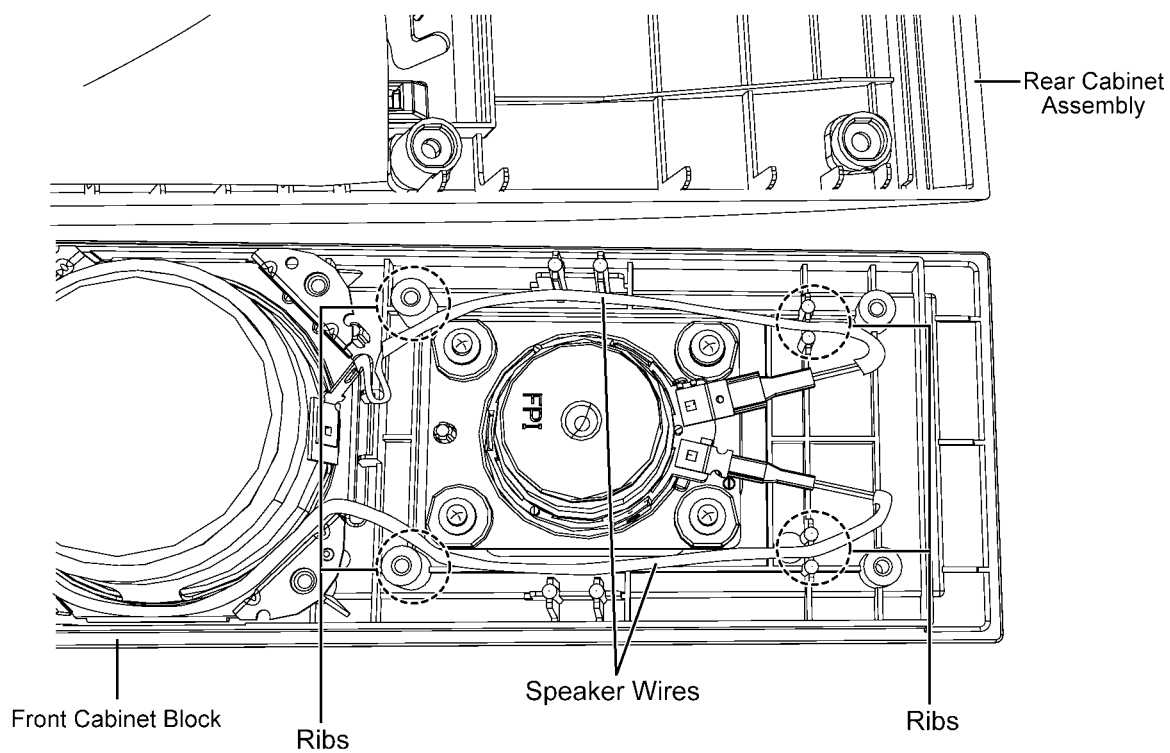


Step 4 : Remove the Tweeter Speaker (SP1) and Eva Packing.

Caution: During assembling, ensure that the Tweeter Speaker (SP1) and Eva Packing is properly seated on the 3 locators of the Front Cabinet Block.



Caution: During assembling, ensure that the Speaker Wires are properly inserted between the 4 ribs of the Front Cabinet Block as shown.



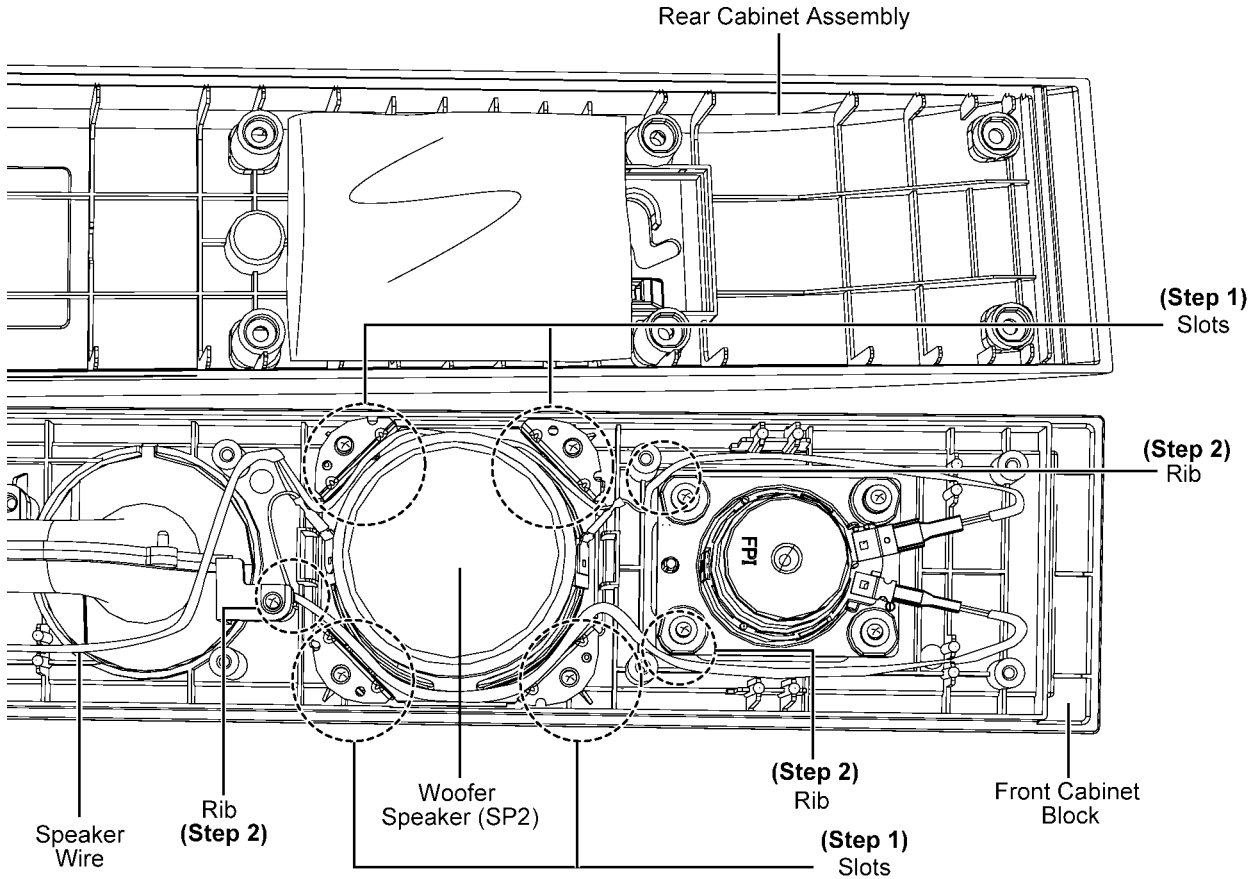
11.5.5. Disassembly of Woofer Speaker (SP2)

Notes : Front Speaker Unit (L) and (R) have the same mechanical structure. The same disassembly procedure can be applied for the both of them. Front Speaker Unit (L) is illustrated here.

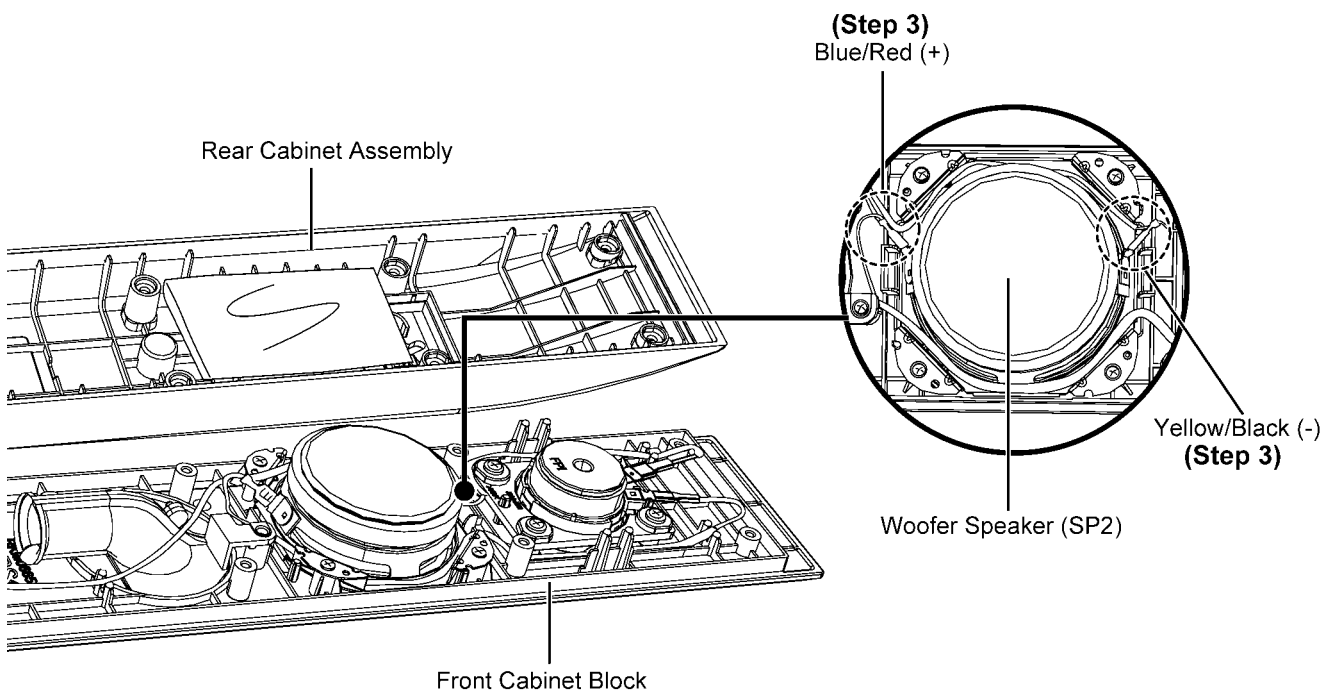
- Refer to “Disassembly of Front Speaker Unit (L/R)”.
- Refer to (Step 1) to (Step 4) of “Disassembly of Rear Cabinet Assembly”.

Step 1 : Release the Speaker Wires from the slots of the Woofer Speaker (SP2).

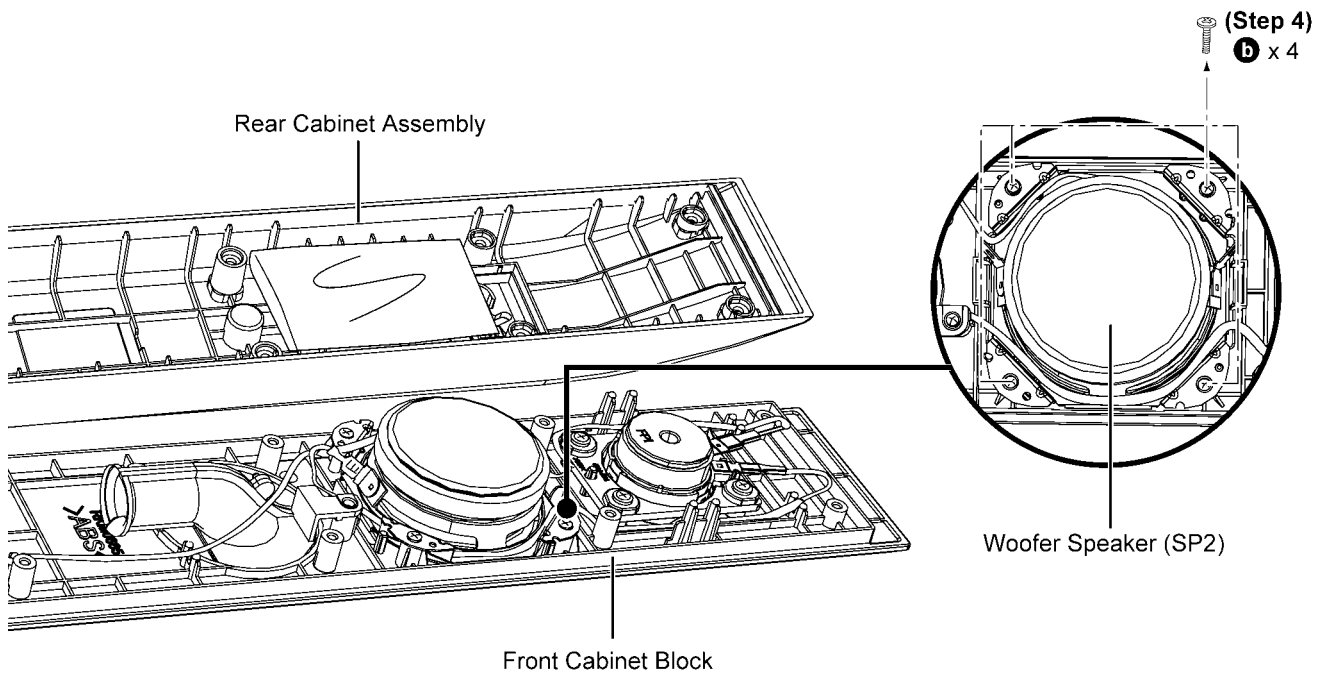
Step 2 : Release the Speaker Wires from the ribs of the Front Cabinet Block.



Step 3 : Detach the Blue/Red (+) and Yellow/Black (-) wires.

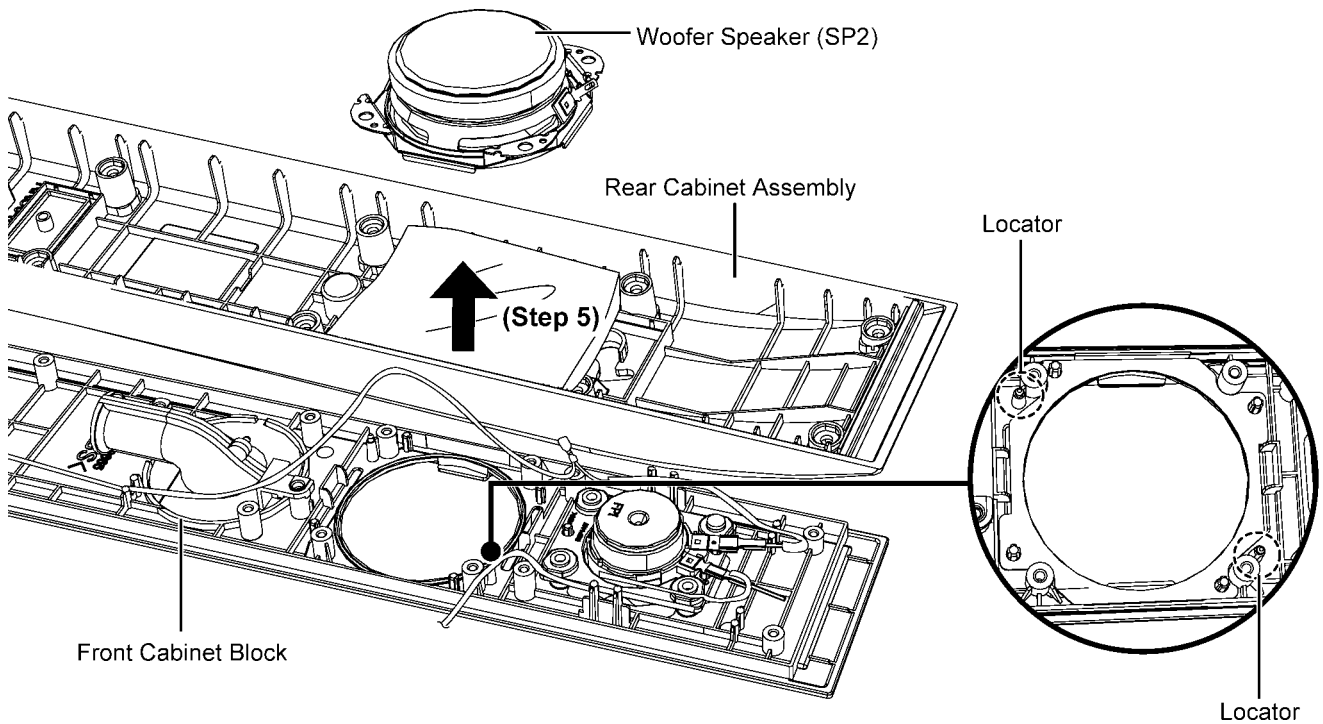


Step 4 : Remove 4 screws.



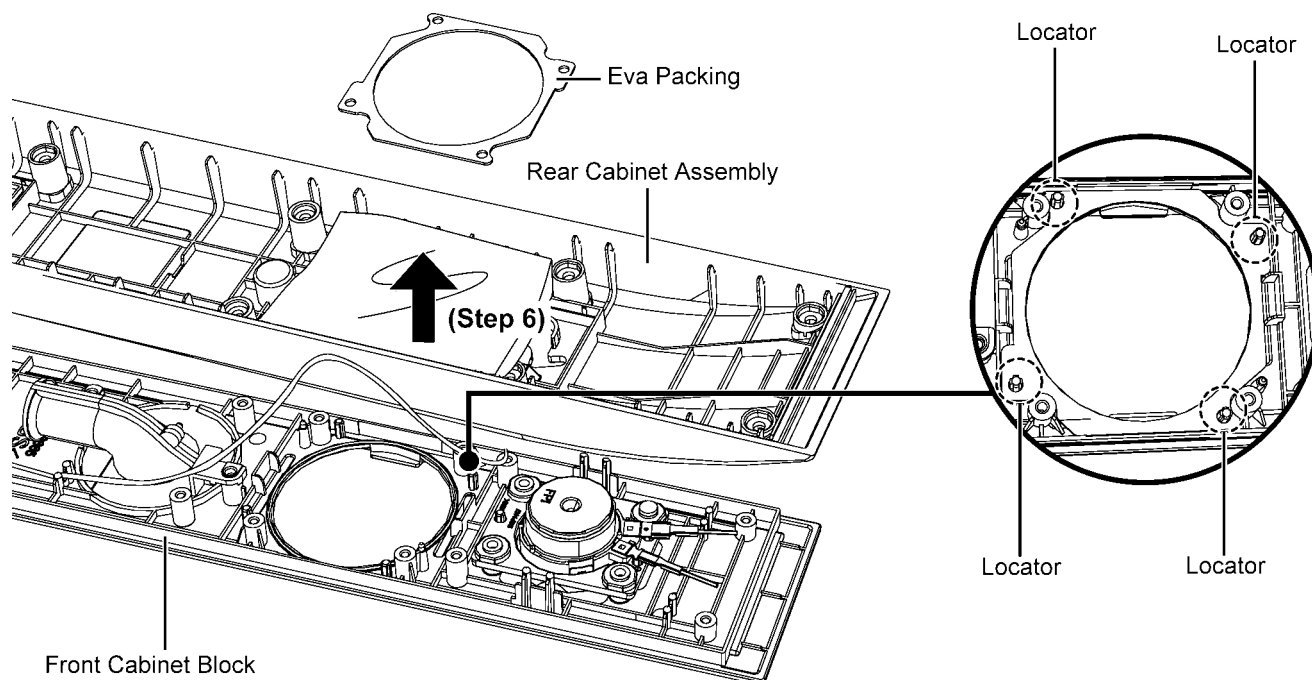
Step 5 : Remove the Woofer Speaker (SP2).

Caution: During assembling, ensure that the Woofer Speaker (SP2) is properly seated on the 2 locators of the Front Cabinet Block.

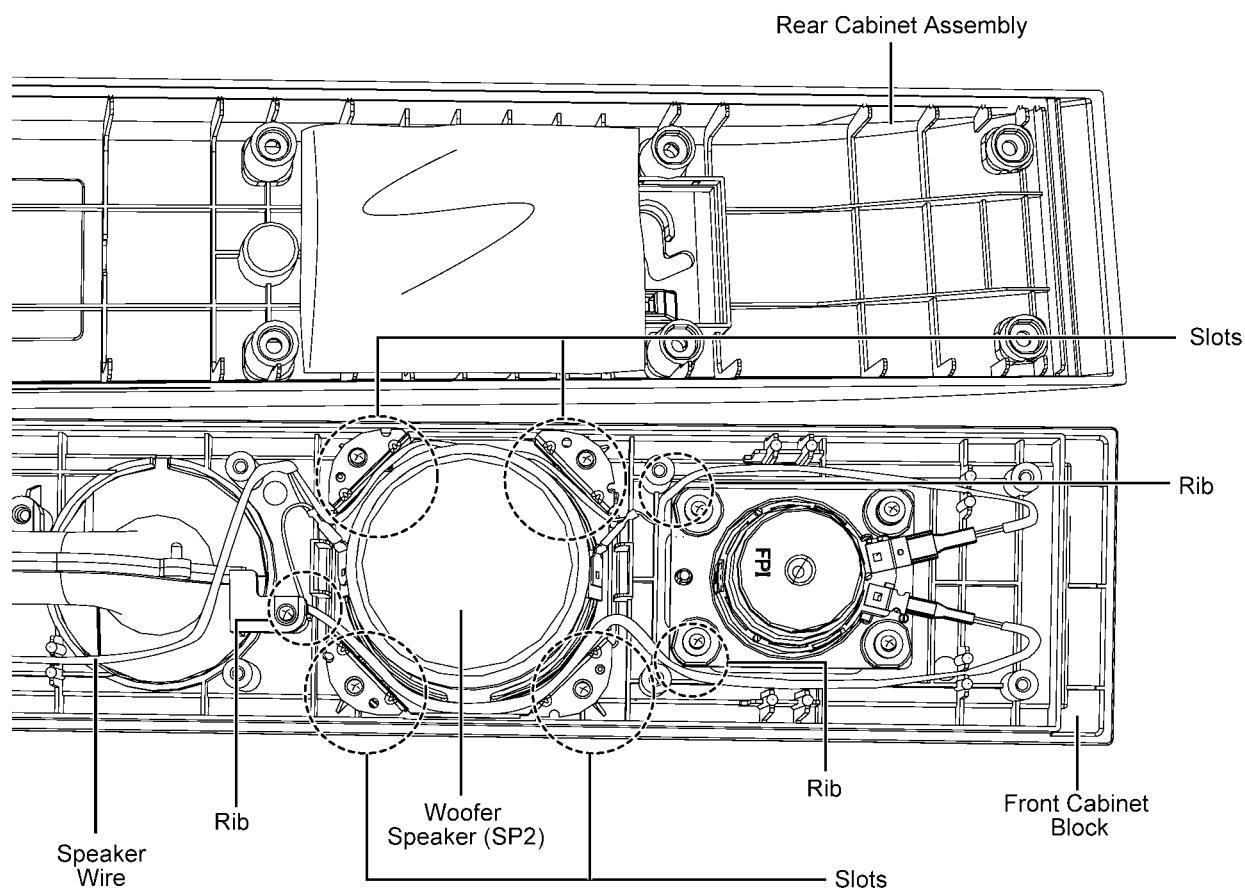


Step 6 : Remove the EVA Packing.

Caution 1 : During assembling, ensure that the EVA Packing is properly seated on the 4 locators of the Front Cabinet Block.



Caution 2 : During assembling, ensure that the Speaker Wires are properly inserted between the 4 slots of the Woofer Speaker (SP2) and between the 3 ribs of the Front Cabinet Block as shown.

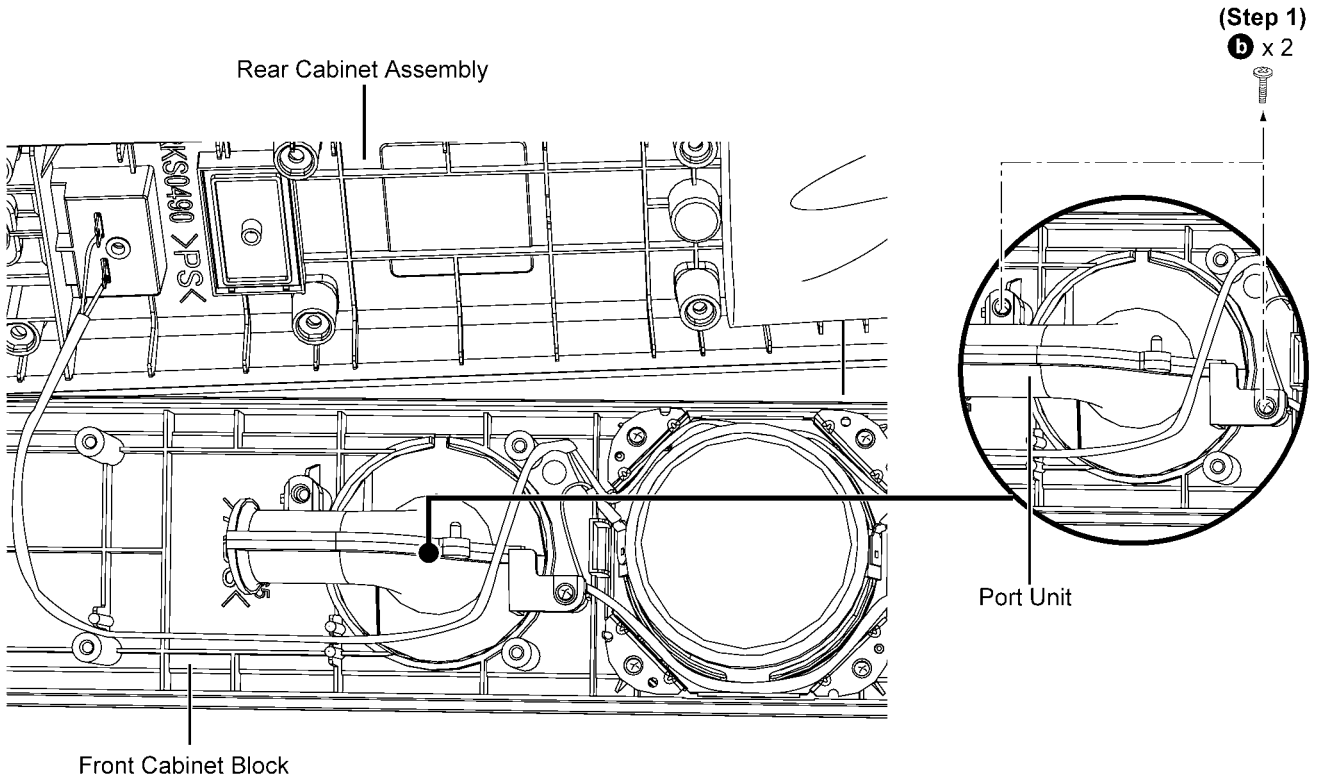


11.5.6. Disassembly of Port Unit

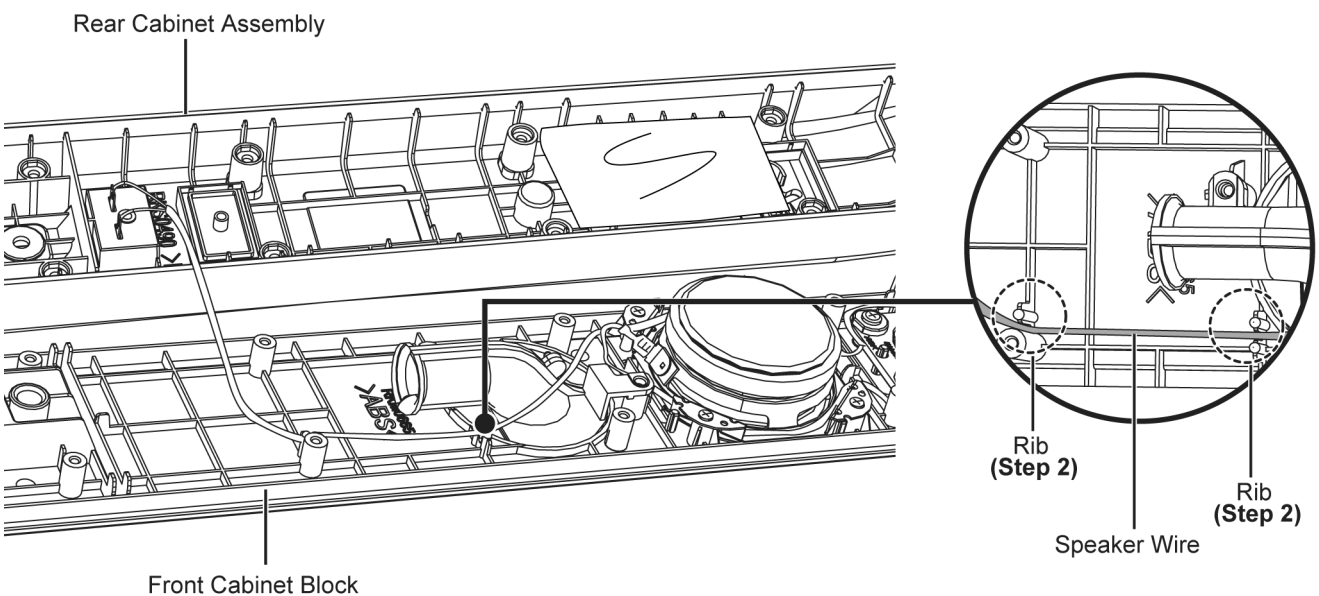
Notes : Front Speaker Unit (L) and (R) have the same mechanical structure. The same disassembly procedure can be applied for the both of them. Front Speaker Unit (L) is illustrated here.

- Refer to “Disassembly of Front Speaker Unit (L/R)”.
- Refer to (Step 1) to (Step 4) of “Disassembly of Rear Cabinet Assembly”.

Step 1 : Remove 2 screws.

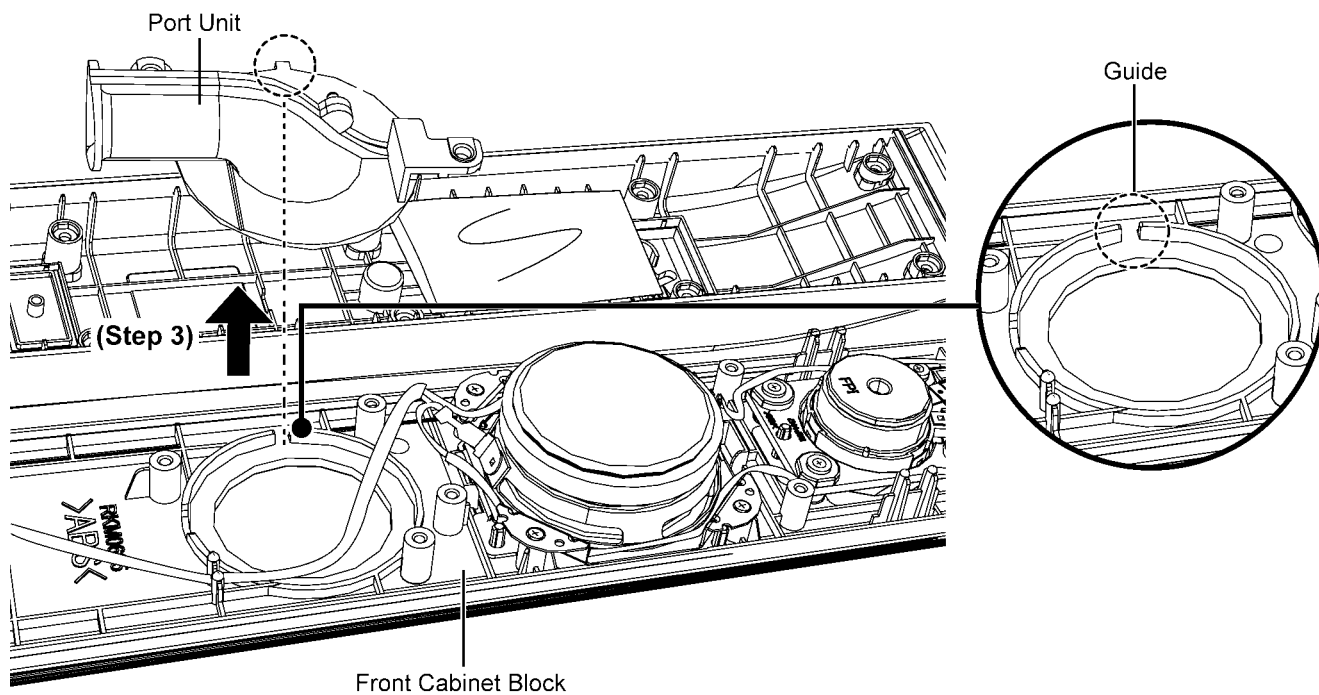


Step 2 : Release the Speaker Wires from the ribs of the Front Cabinet Block.

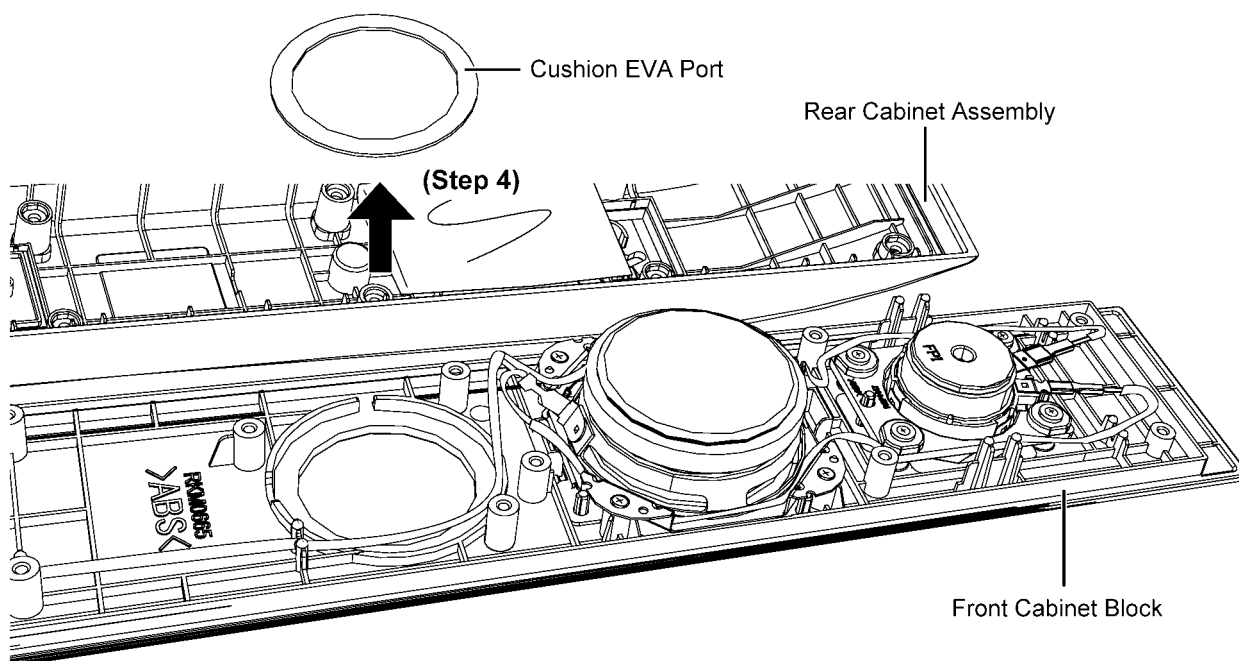


Step 3 : Remove the Port Unit.

Caution: During assembling, ensure that the Port Unit is properly seated on the guide of the Front Cabinet Block.



Step 4 : Remove the Cushion EVA Port.



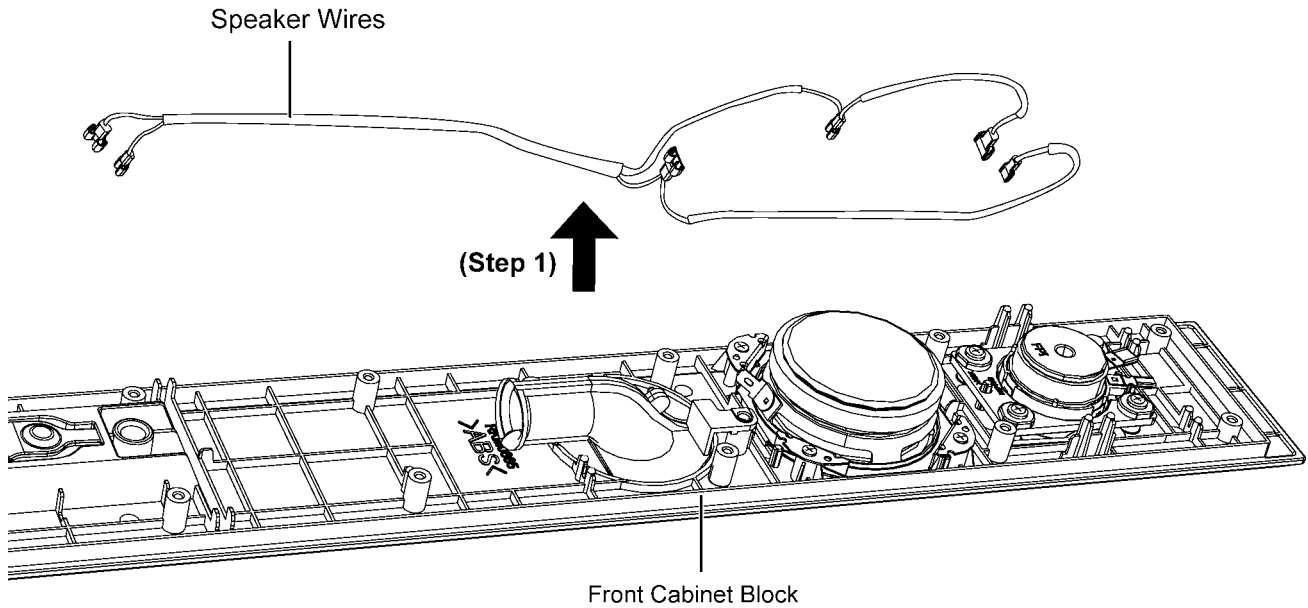
11.5.7. Replacement of the Speaker Wires

Notes : Front Speaker Unit (L) and (R) have the same mechanical structure. The same disassembly procedure can be applied for the both of them. Front Speaker Unit (L) is illustrated here.

11.5.7.1. Disassembly of the Speaker Wires

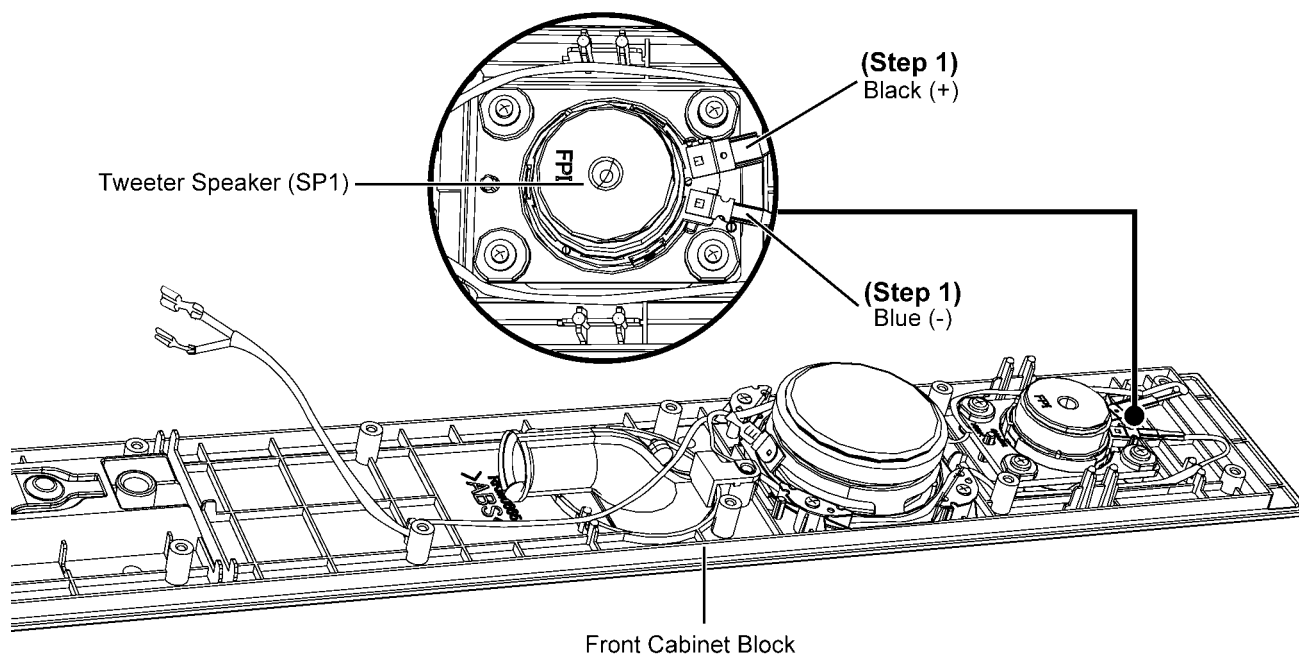
- Refer to "Disassembly of Front Speaker Unit (L/R)".
- Refer to (Step 1) to (Step 6) of "Disassembly of Rear Cabinet Assembly".
- Refer to (Step 1) to (Step 2) of "Disassembly of Tweeter Speaker (SP1)".
- Refer to (Step 1) to (Step 3) of "Disassembly of Woofer Speaker (SP2)".
- Refer to (Step 2) of "Disassembly of Port Unit".

Step 1 : Remove the Speaker Wires as arrow shown.

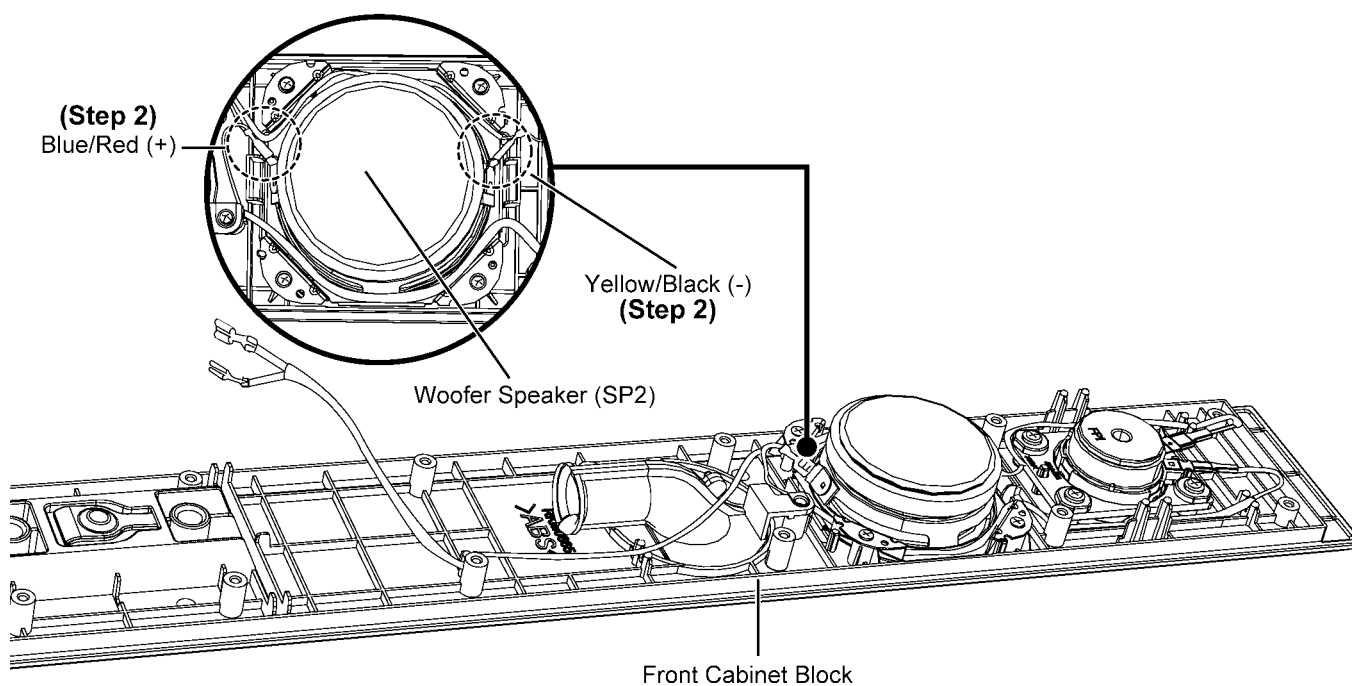


11.5.7.2. Assembly of the Speaker Wires

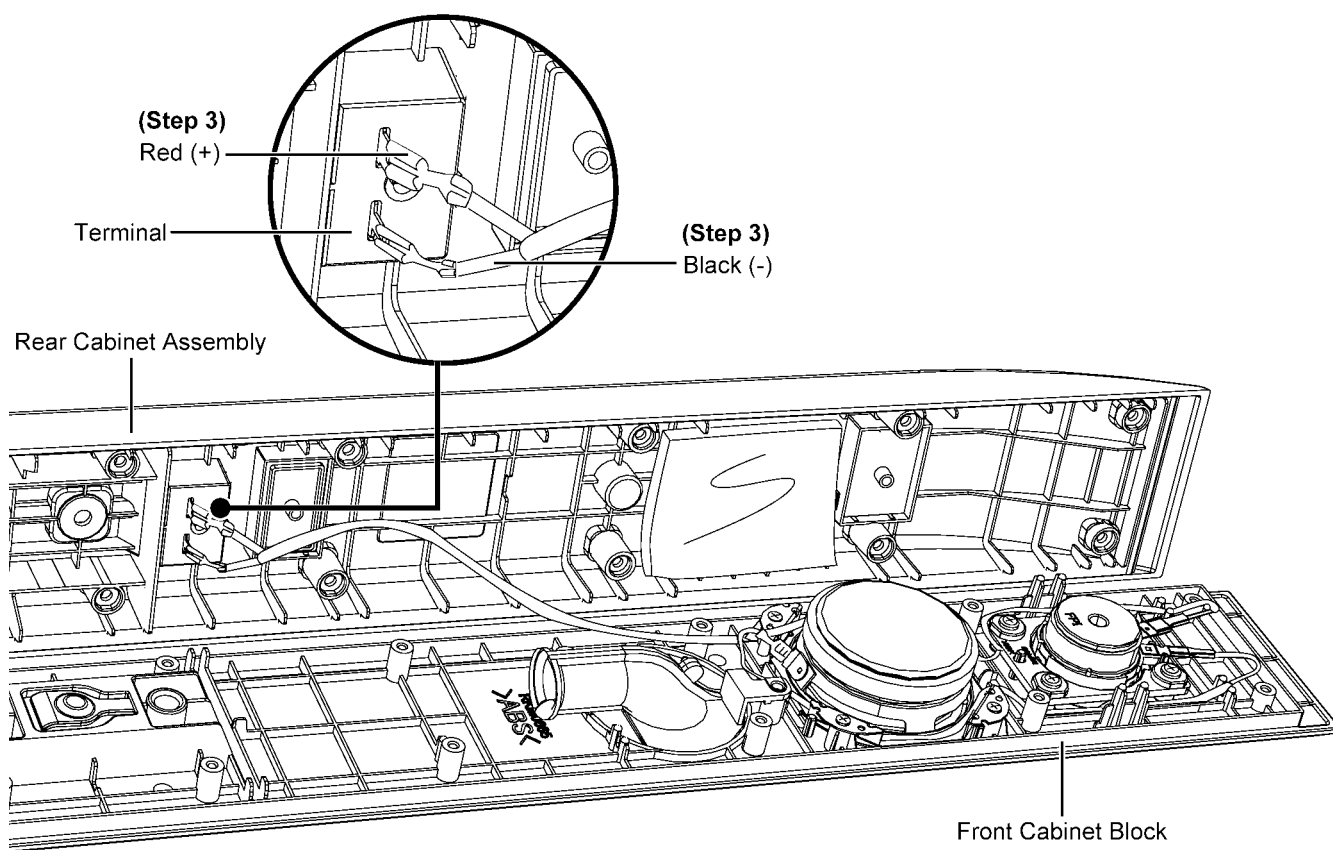
Step 1 : Attach the Black (+) and Blue (-) wires to the terminal of Tweeter Speaker (SP1).



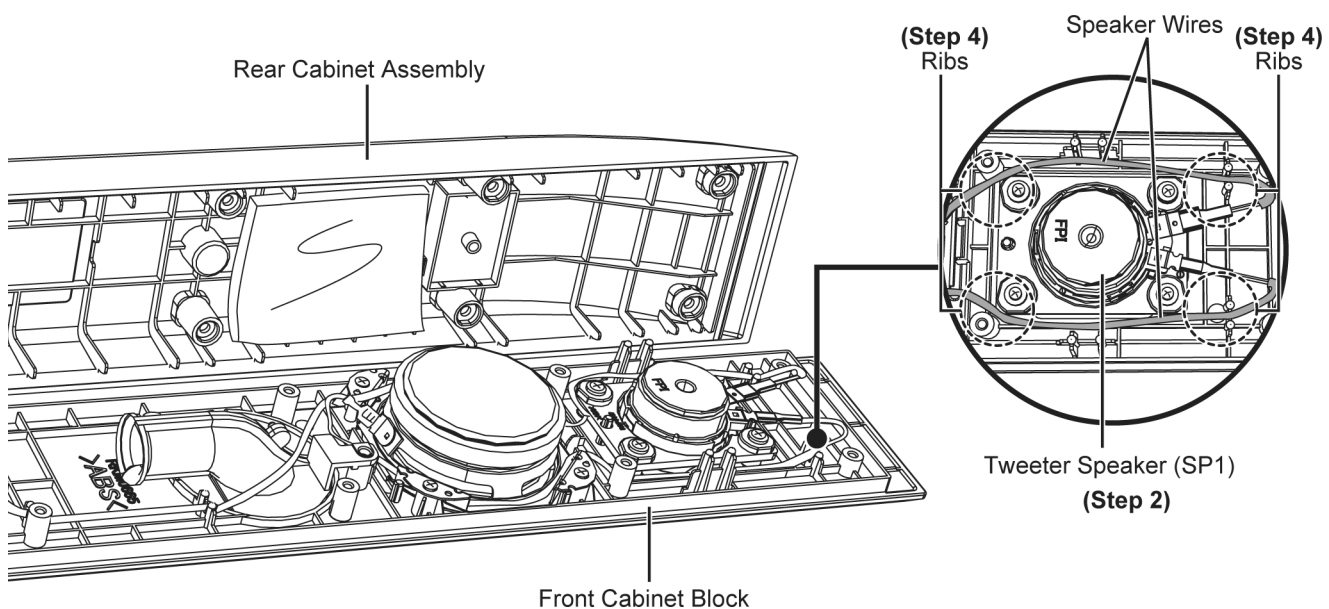
Step 2 : Attach the Blue/Red (+) and Yellow/Black (-) wires to the terminal of Woofer Speaker (SP2).



Step 3 : Attach the Red (+) and Black (-) wires to the terminal.

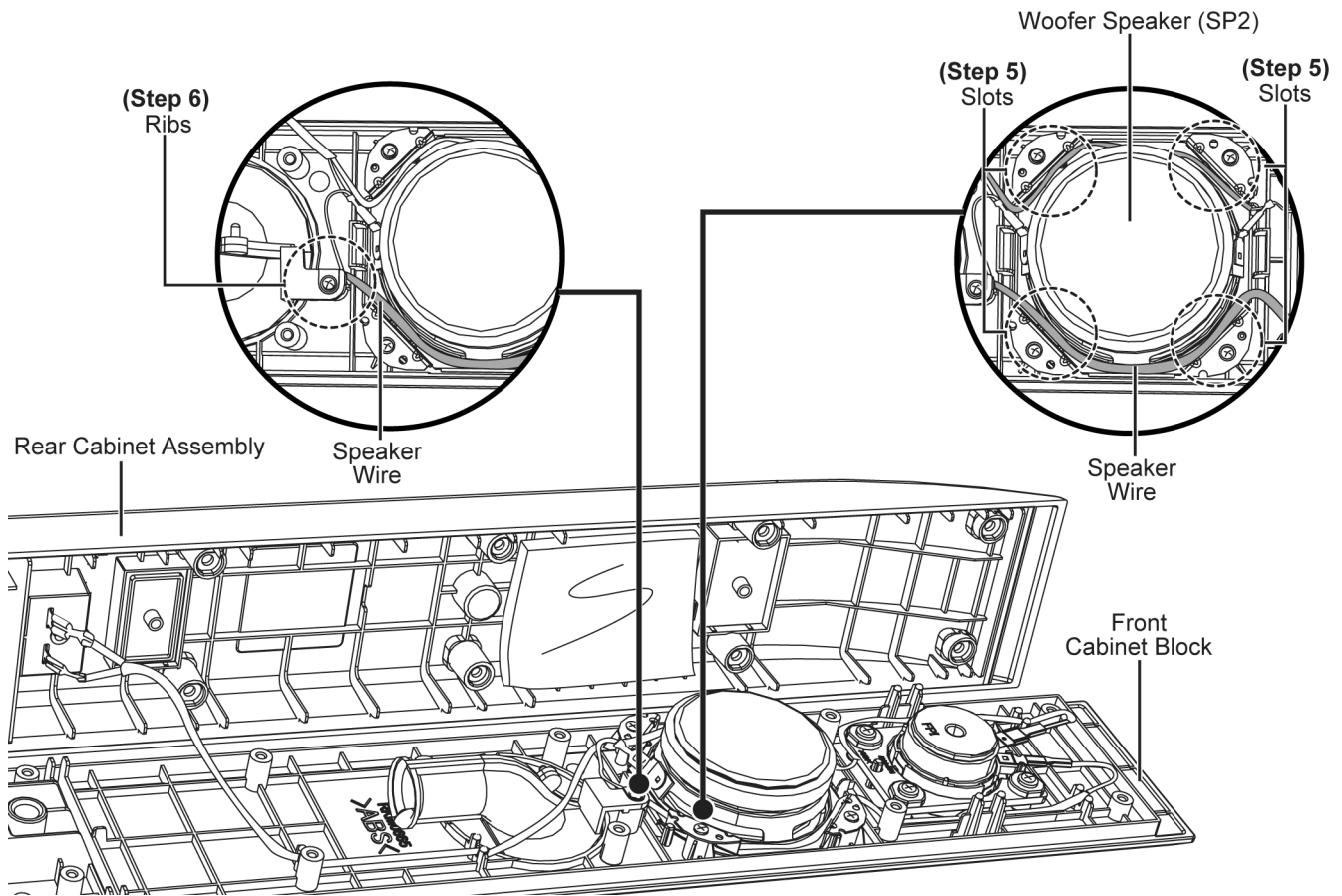


Step 4 : Dressed the Speaker Wires between the 4 ribs of the Front Cabinet Block as shown.

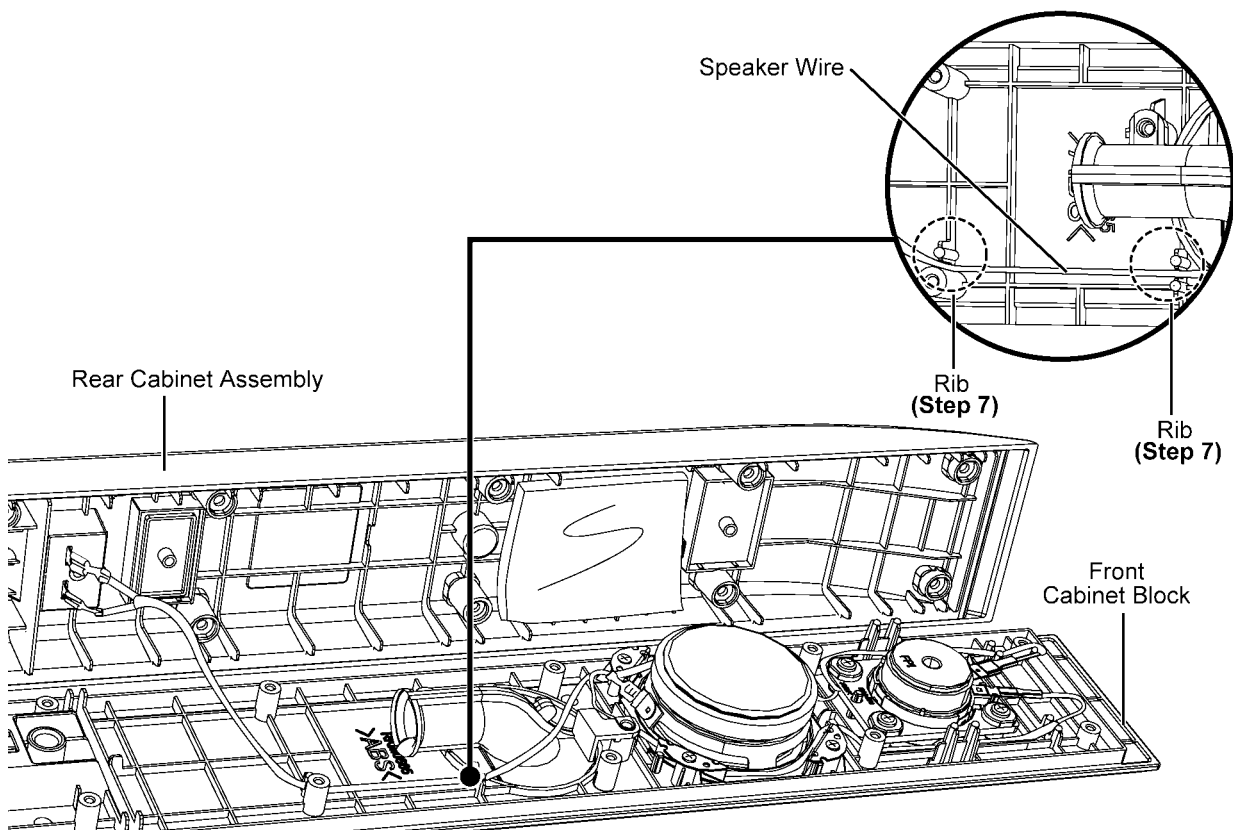


Step 5 : Dressed the Blue/Red (+) and Yellow/Black (-) wires between the 4 slots of the Woofer Speaker (SP2) as shown.

Step 6 : Dressed the Blue/Red (+) wires between the ribs of the Front Cabinet Block as shown.



Step 7 : Insert the Speaker Wire between the 2 ribs of the Front Cabinet Block as shown.

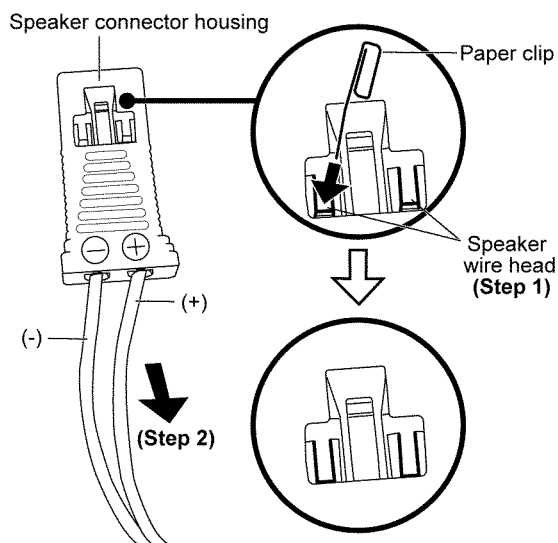


11.5.8. Replacement of Speaker Connector Housing

11.5.8.1. Disassembly

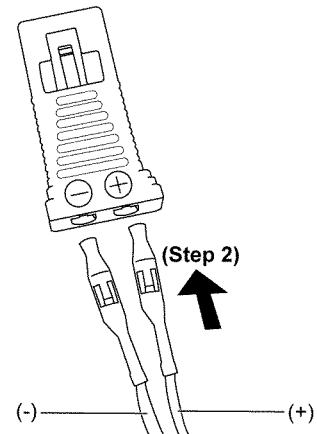
Step 1: Use a paper clip push the Speaker Wire head until it hide inside the Speaker Connector Housing.

Step 2: Pull out the (+) and (-) speaker wires.



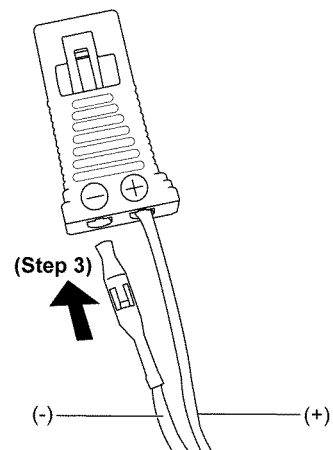
Step 2: Insert the (+) speaker wire into the (+) hole of the Speaker Connector Housing.

Note: Push in the speaker wire until hear the “click” sound.



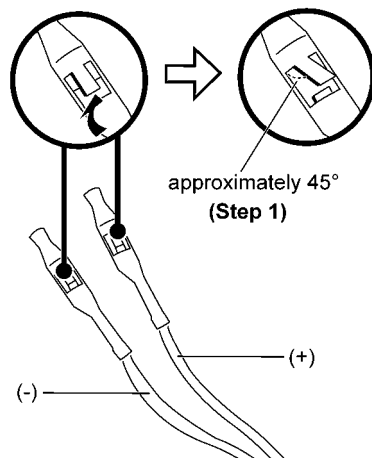
Step 3: Insert the (-) speaker wire into the (-) hole of the speaker connector housing.

Note: Push in the speaker wire until hear the “click” sound.



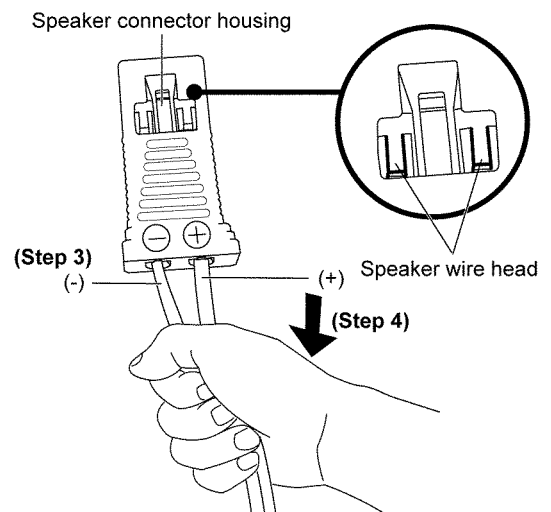
11.5.8.2. Assembly

Step 1: Slightly push up the speaker wire head approximately 45° as shown.



Step 4: Pull both speaker wires gently to ensure they lock-in firmly.

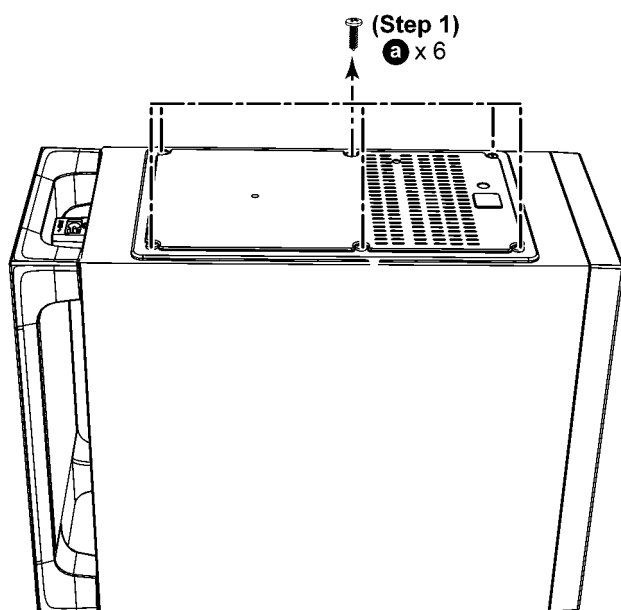
Note: Repeat step1 to 3 if the speaker wires come out.



11.6. Active Subwoofer (SB-HWA520)

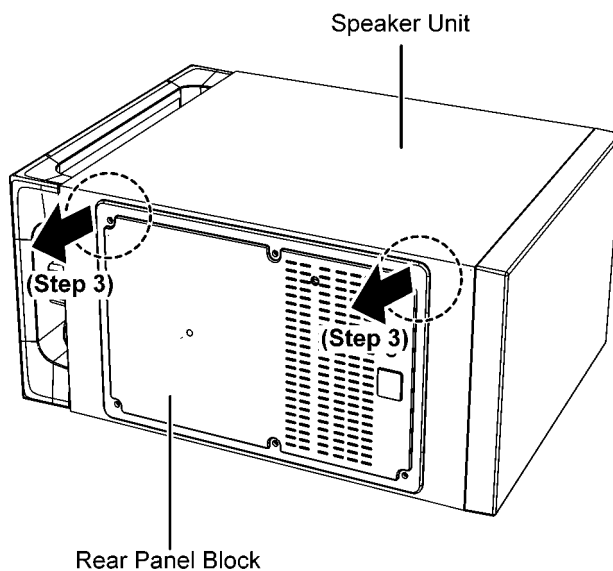
11.6.1. Disassembly of Rear Panel Block

Step 1 : Remove 6 screws.

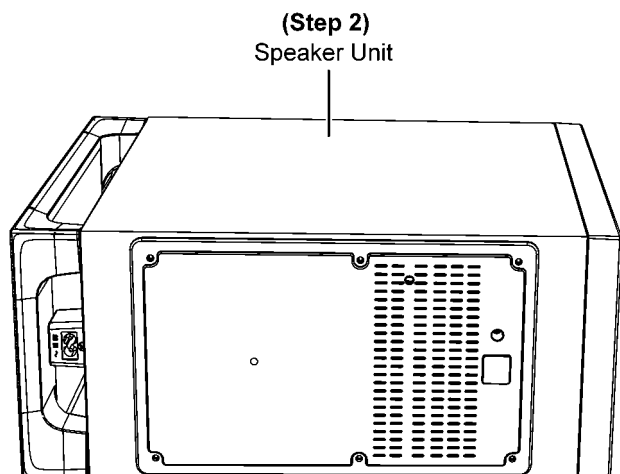


Step 3 : Slightly lift out the Rear Panel Block as shown.

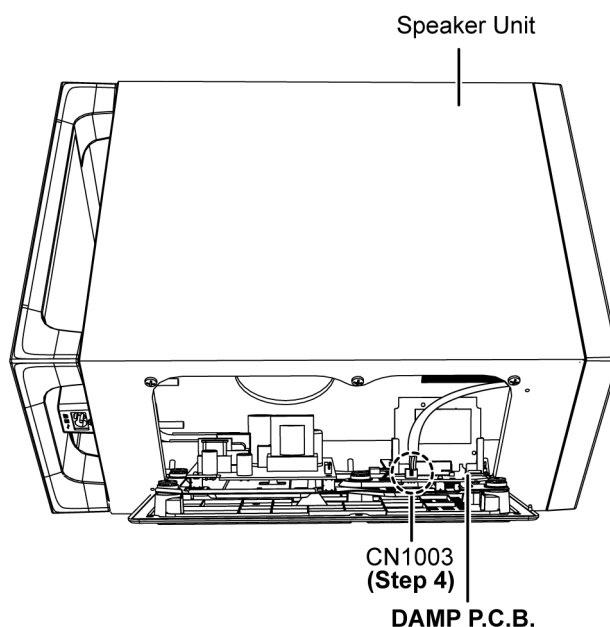
Caution : Do not exert too much force as it may damage the wiring inside.



Step 2 : Upset the Speaker Unit as shown.



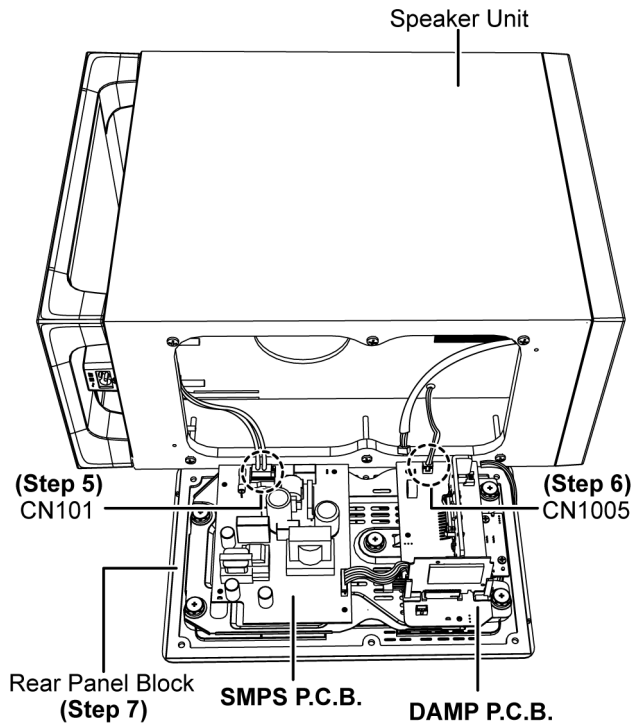
Step 4 : Detach 3P Cable Wire of the connector (CN1003) on the DAMP P.C.B..



Step 5 : Detach 2P Cable Wire of the connector (CN101) on the SMPS P.C.B..

Step 6 : Detach 2P Cable Wire of the connector (CN1005) on the DAMP P.C.B..

Step 7 : Remove the Rear Panel Block.

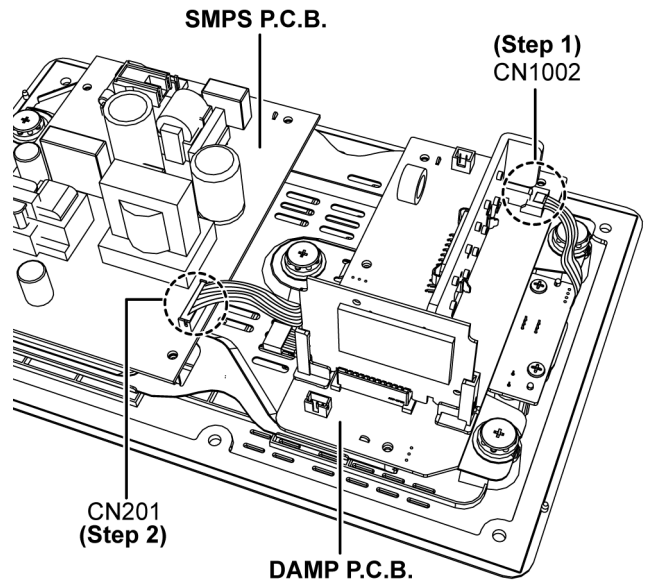


11.6.2. Disassembly of DAMP P.C.B.

• Refer to "Disassembly of Rear Panel Block".

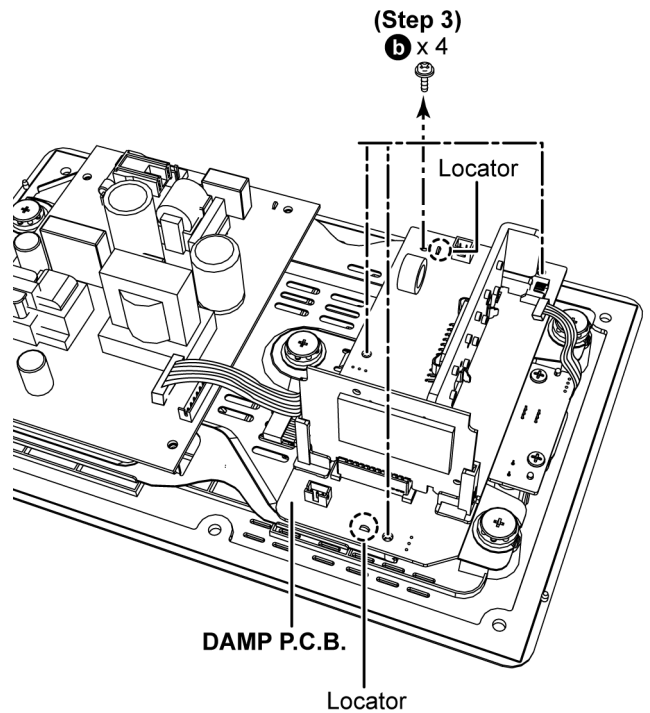
Step 1 : Detach 4P Cable Wire from the connector (CN1002) on the DAMP P.C.B..

Step 2 : Detach 7P Cable Wire from the connector (CN201) on the SMPS P.C.B..

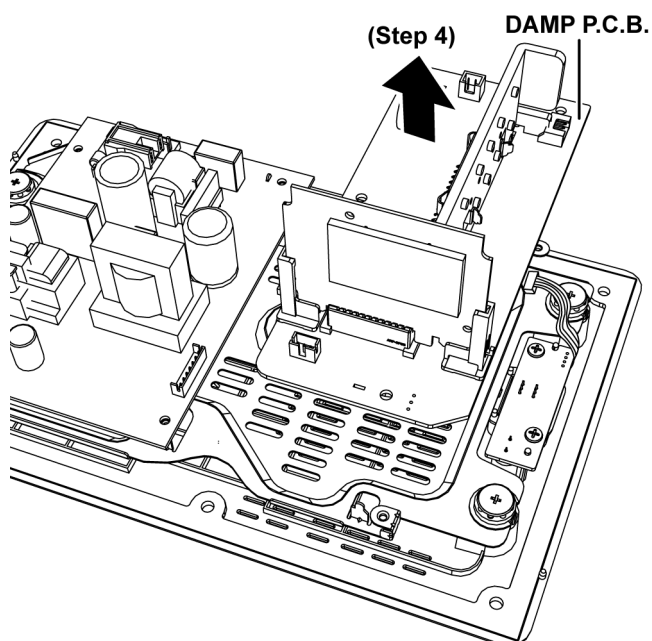


Step 3 : Remove 4 screws.

Caution : During assembling, ensure that the DAMP P.C.B. is seated properly onto the locators.



Step 4 : Remove the DAMP P.C.B. as shown.



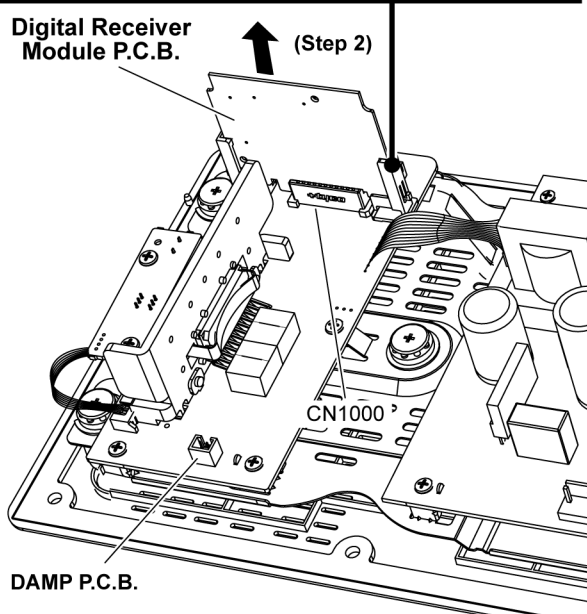
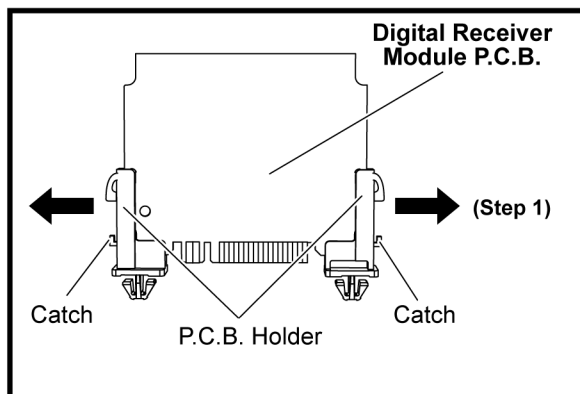
11.6.3. Disassembly of Digital Receiver Module P.C.B.

- Refer to "Disassembly of Rear Panel Block".
- Refer to "Disassembly of DAMP P.C.B.".

Step 1 : Release the P.C.B. Holders slightly outwards as arrows shown.

Step 2 : Detach the Digital Receiver Module P.C.B. from the connector (CN1000) on the DAMP P.C.B..

Caution : During assembling, ensure the Digital Receiver Module P.C.B. is properly and fully inserted onto the connector (CN1000) on the DAMP P.C.B. and locked by the catches.



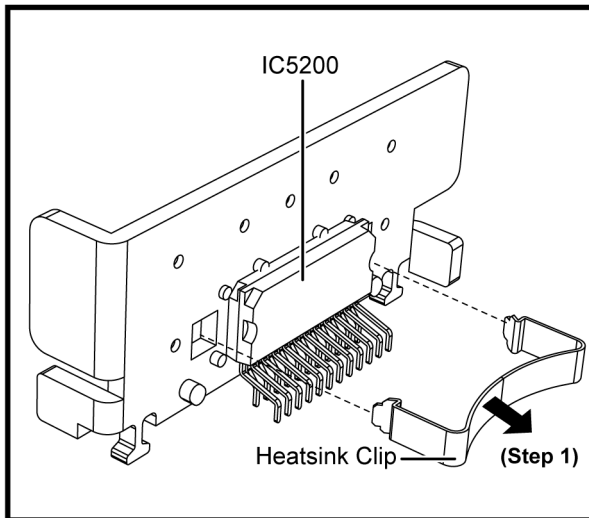
11.6.4. Replacement of Digital Amplifier IC (IC5200)

- Refer to "Disassembly of Rear Panel Block".
- Refer to "Disassembly of DAMP P.C.B.".

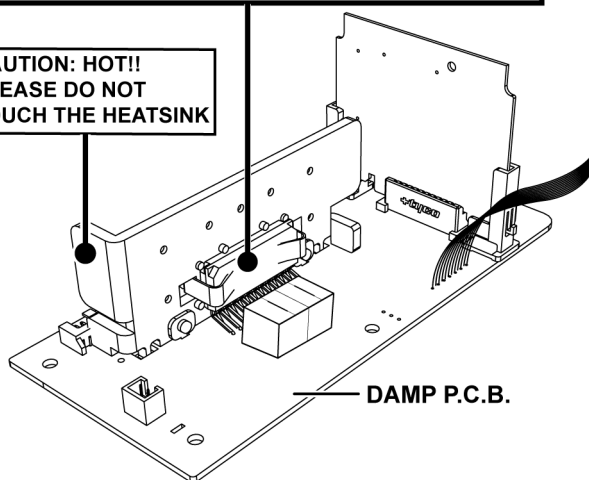
11.6.4.1. Disassembly of Digital Amplifier IC (IC5200)

Caution: Avoid touching the DAMP Heatsink & P.C.B. due to its high temperature after prolonged use. Touching is may lead to injuries

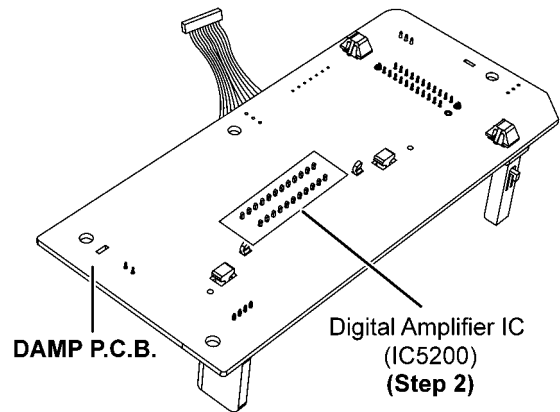
Step 1 : Remove Heatsink Clip.



**CAUTION: HOT!!
PLEASE DO NOT
TOUCH THE HEATSINK**



Step 2 : Desolder the pins of Digital Amplifier IC (IC5200) on the solder side of the DAMP P.C.B..



11.6.4.2. Assembly of Digital Amplifier IC (IC5200)

Step 1 : Apply Grease on the IC Insulator at the Heatsink.

Step 2 : Fix the Digital Amplifier IC (IC5200) onto the DAMP P.C.B..

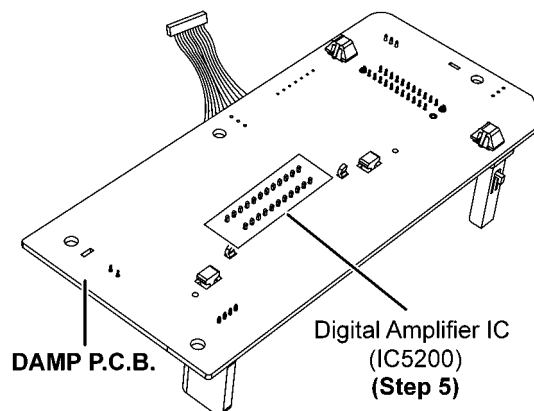
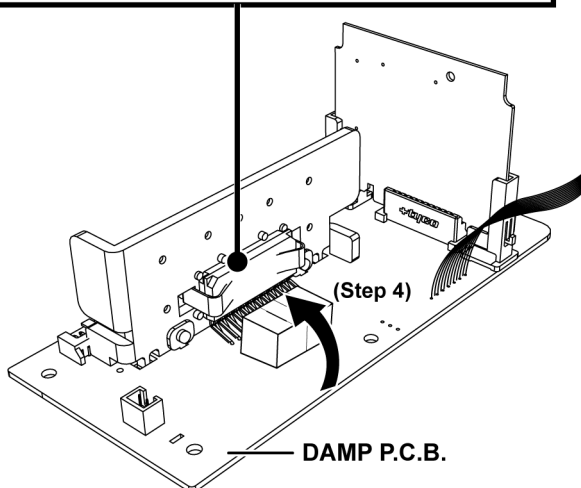
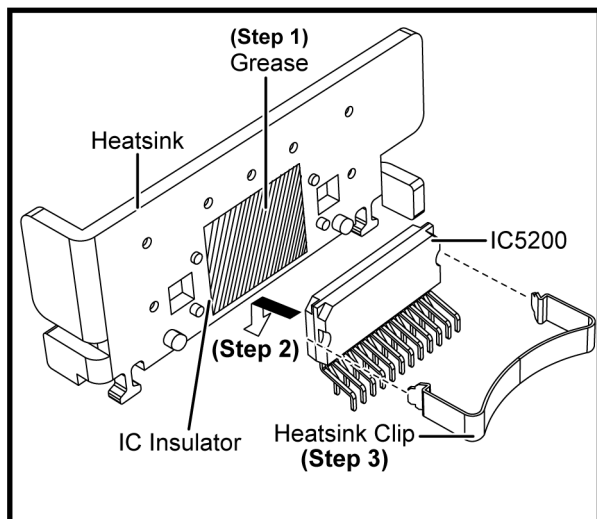
Step 3 : Fix the Heatsink Clip onto the Heatsink.

Step 4 : Flip over the DAMP P.C.B. as shown.

Caution : Ensure the Heatsink Clip is fully inserted onto the Heatsink

Step 5 : Solder pins of Digital Amplifier IC (IC5200).

Caution: Ensure the pins of Digital Amplifier IC (IC5200) are properly seated on the DAMP P.C.B..



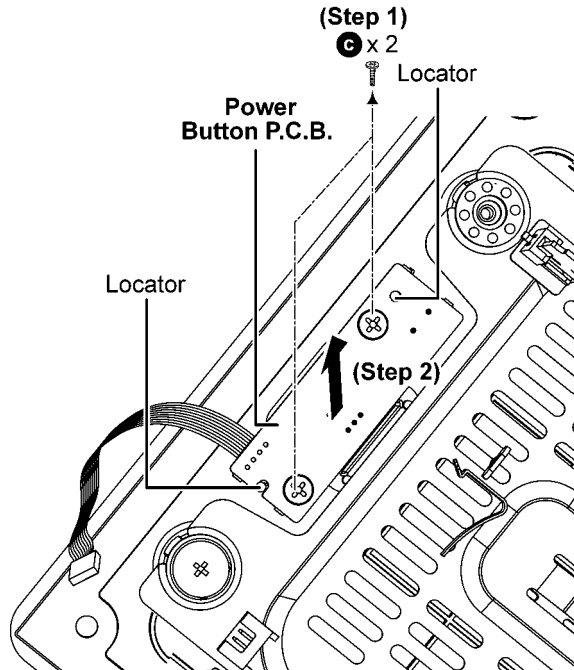
11.6.5. Disassembly of Power Button P.C.B.

- Refer to "Disassembly of Rear Panel Block".
- Refer to "Disassembly of DAMP P.C.B."

Step 1 : Remove 2 screws.

Step 2 : Remove the Power Button P.C.B. as arrow shown.

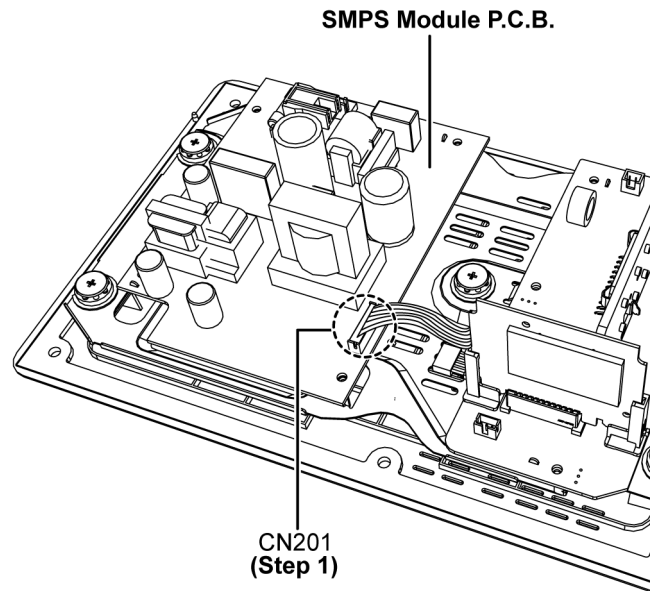
Caution : During assembling, ensure that the Power Button P.C.B. is seated properly onto the locators.



11.6.6. Disassembly of SMPS Module P.C.B.

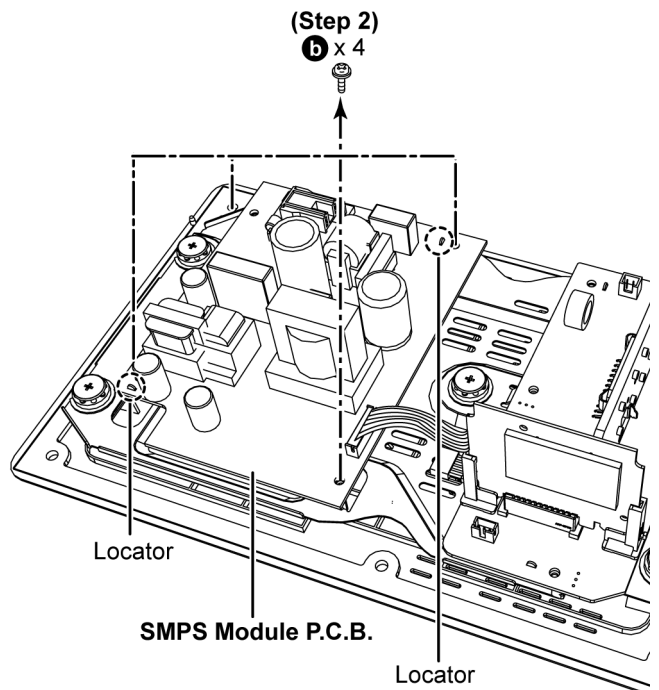
- Refer to "Disassembly of Rear Panel Block".

Step 1 : Detach 7P Cable Wire at the connector (CN201) on the SMPS Module P.C.B..

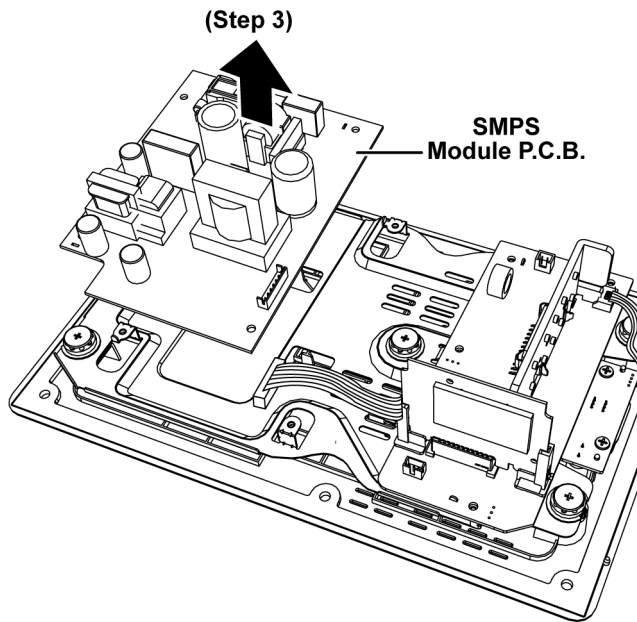


Step 2 : Remove 4 screws.

Caution : During assembling, ensure that the SMPS Module P.C.B. is seated properly onto the locators.



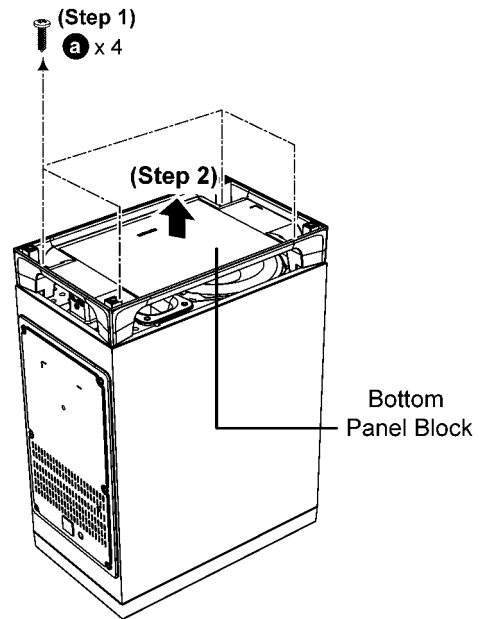
Step 3 : Remove the SMPS Module P.C.B. as arrow shown.



11.6.7. Disassembly of Bottom Panel Block

Step 1 : Remove 4 screws.

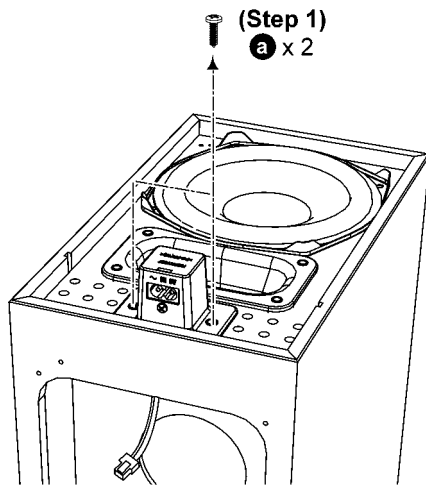
Step 2 : Remove the Bottom Panel Block as shown.



11.6.8. Disassembly of AC Inlet P.C.B.

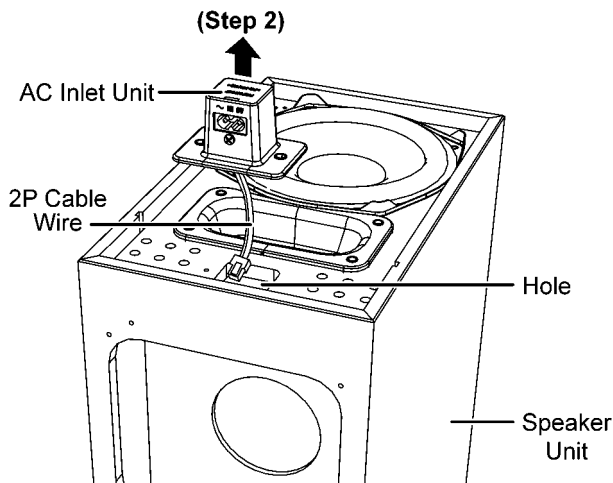
- Refer to "Disassembly of Rear Panel Block".
- Refer to "Disassembly of Bottom Panel".

Step 1 : Remove 2 screws.

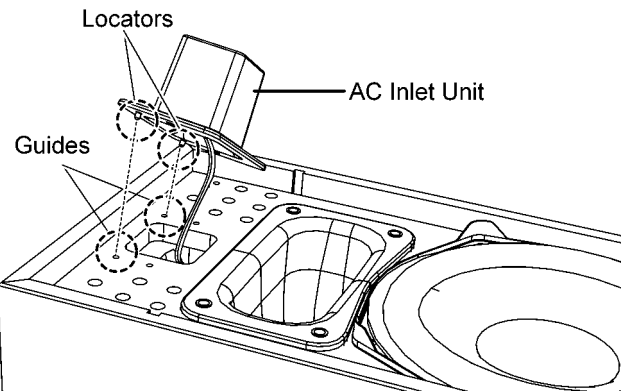


Step 2 : Remove the AC Inlet Unit through the hole of the Speaker Unit as shown.

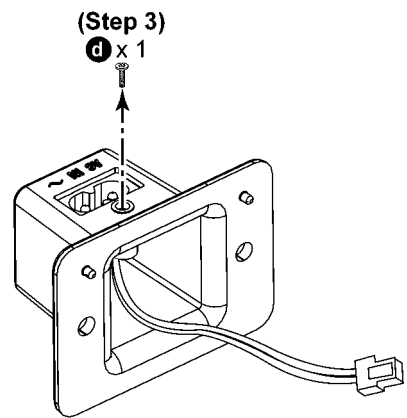
Caution : During assembling, ensure that the 2P Cable Wire is properly inserted through the hole of Speaker Box as diagram shown.



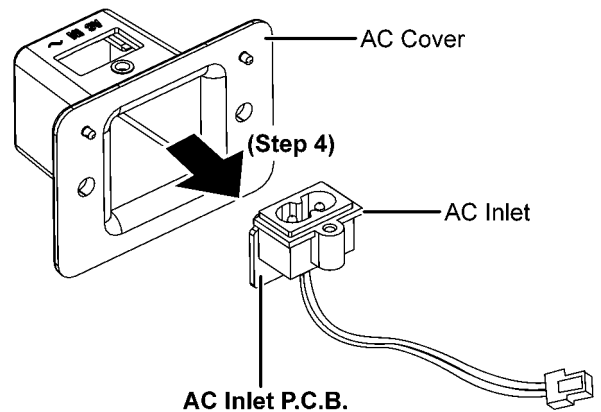
Caution : During assembling, ensure the locators of the AC Inlet Unit are properly inserted into the guides as diagram shown.



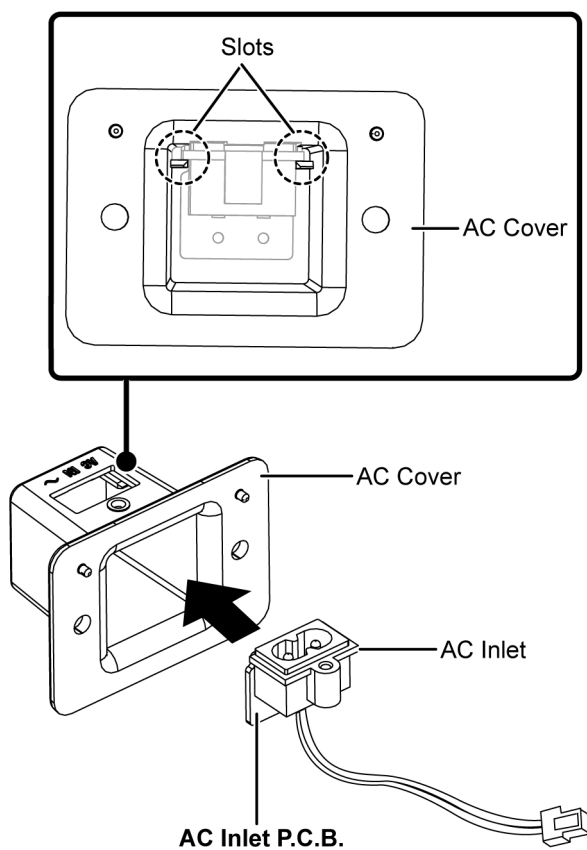
Step 3 : Remove 1 screw.



Step 4 : Remove the AC Inlet P.C.B. from the AC Cover as arrow shown.



Caution : During assembling, ensure that the AC Inlet is properly inserted into the slots of AC Cover as diagram shown.

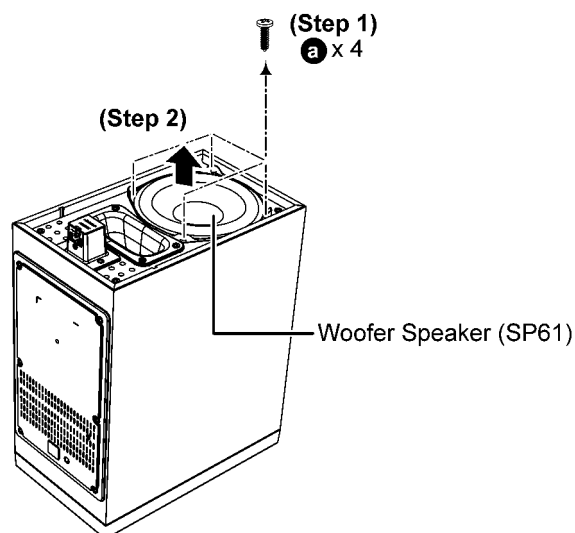


11.6.9. Disassembly of Woofer Speaker (SP61)

• Refer to “Disassembly of Bottom Panel”.

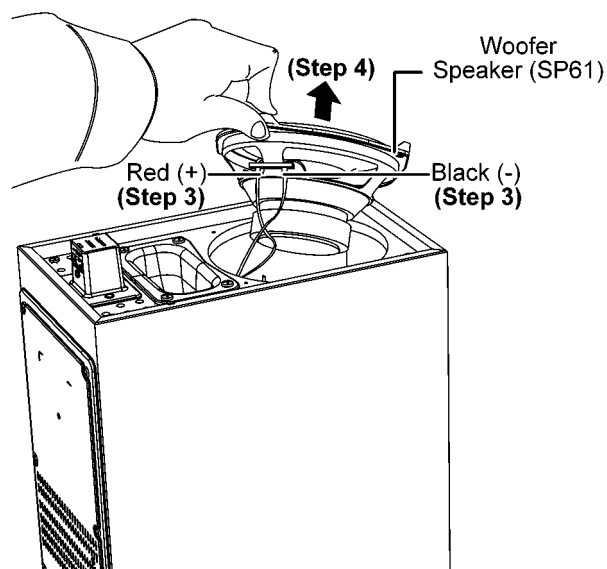
Step 1 : Remove 4 screws.

Step 2 : Lift up to remove Woofer Speaker (SP61).



Step 3 : Detach the Red (+) wire and Black (-) wires.

Step 4 : Remove the Woofer Speaker (SP61).



12 Service Position

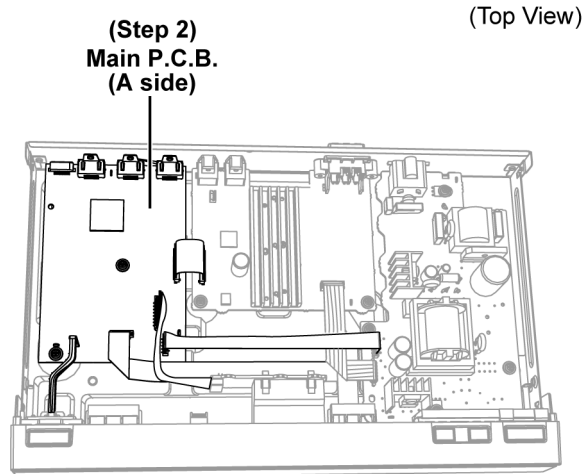
12.1. Main Unit (SU-HTB550)

Note: For description of the disassembly procedures, see the Section 11

12.1.1. Checking and Repairing of Main P.C.B. (Side A)

Step 1 : Remove Top Cabinet.

Step 2 : Main P.C.B. (A side) can be checked and repaired as diagram shown.



12.1.2. Checking and Repairing of Main P.C.B. (Side B)

Step 1 : Remove Top Cabinet.

Step 2 : Remove Main P.C.B..

Step 3 : Remove Front Panel Block.

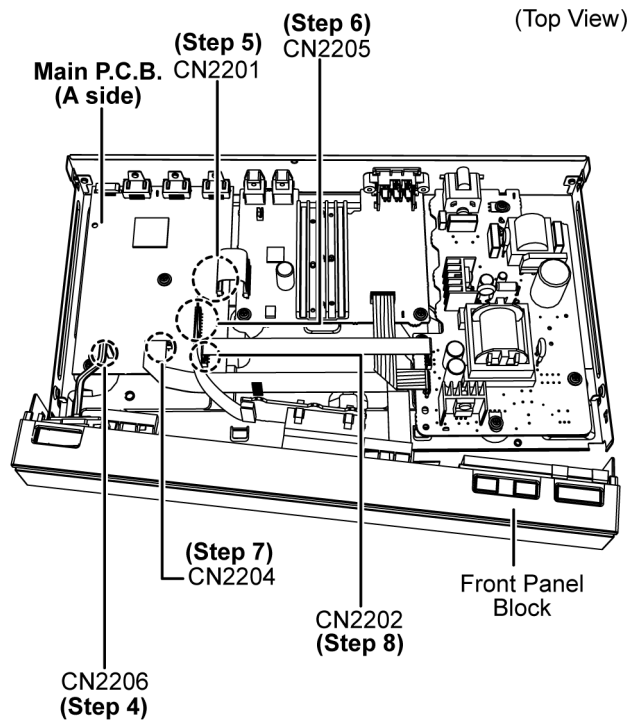
Step 4 : Attach 2P Cable Wire at the connector (CN2206) on Main P.C.B..

Step 5 : Attach 40P FFC at the connector (CN2201) on Main P.C.B..

Step 6 : Attach 17P FFC at the connector (CN2205) on Main P.C.B..

Step 7 : Attach 11P FFC at the connector (CN2204) on Main P.C.B..

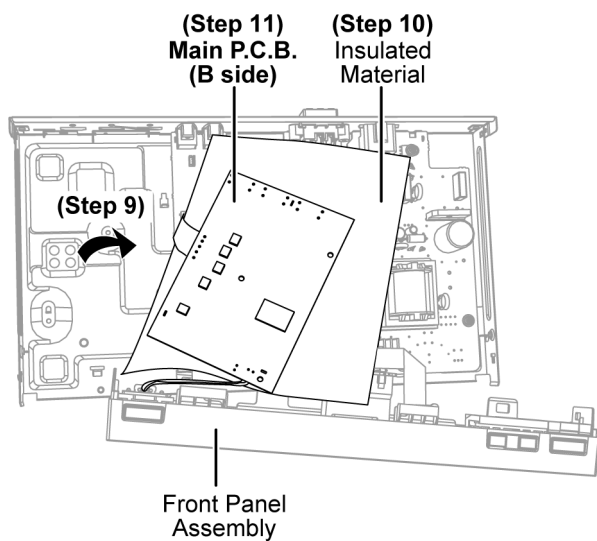
Step 8 : Attach 9P FFC at the connector (CN2202) on Main P.C.B..



Step 9 : Upset the Main P.C.B. as arrow shown.

Step 10 : Place the Main P.C.B. on an Insulated Material.

Step 11 : Main P.C.B. (B side) can be checked and repaired as diagram shown.



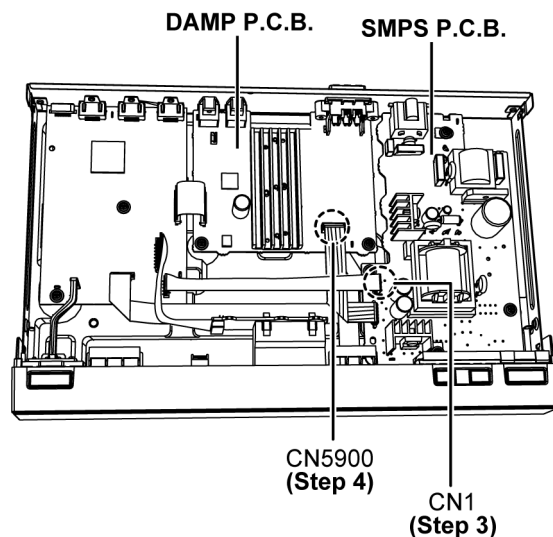
12.1.3. Checking and Repairing of SMPS P.C.B.

Step 1 : Remove Top Cabinet.

Step 2 : Remove SMPS P.C.B..

Step 3 : Attach 9P FFC at the connector (CN1) on SMPS P.C.B..

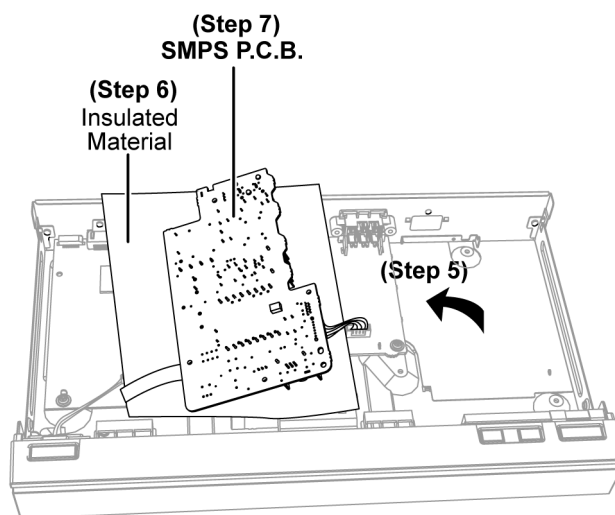
Step 4 : Attach 6P Cable Wire at the connector (CN5900) on DAMP P.C.B..



Step 5 : Upset SMPS P.C.B. as arrow shown.

Step 6 : Place the SMPS P.C.B. on an Insulated Material.

Step 7 : SMPS P.C.B. can be checked and repaired as diagram shown.



12.1.4. Checking and Repairing of DAMP P.C.B. (Side A)

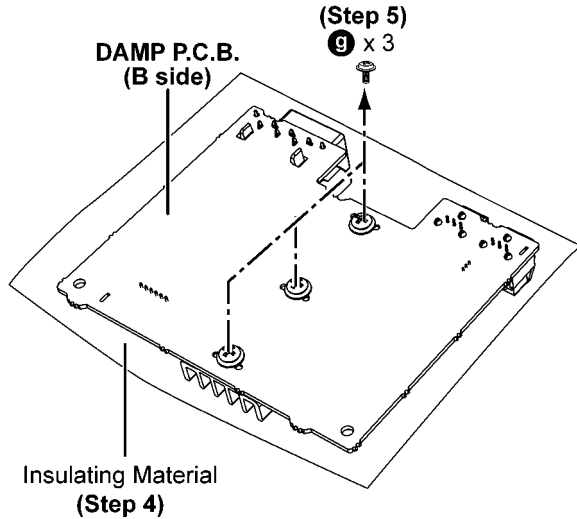
Step 1 : Remove Top Cabinet.

Step 2 : Remove Rear Panel.

Step 3 : Remove the DAMP P.C.B..

Step 4 : Place the DAMP P.C.B. on an Insulated Material.

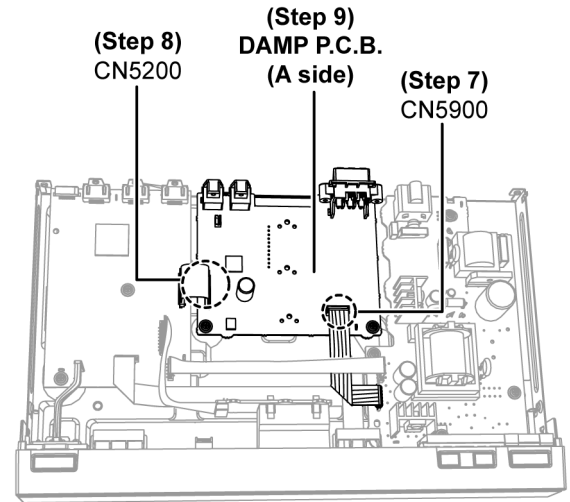
Step 5 : Remove 3 screws.



Step 7 : Attach 6P Cable Wire at the connector (CN5900) on DAMP P.C.B..

Step 8 : Attach 40P FFC at the connector (CN5200) on DAMP P.C.B..

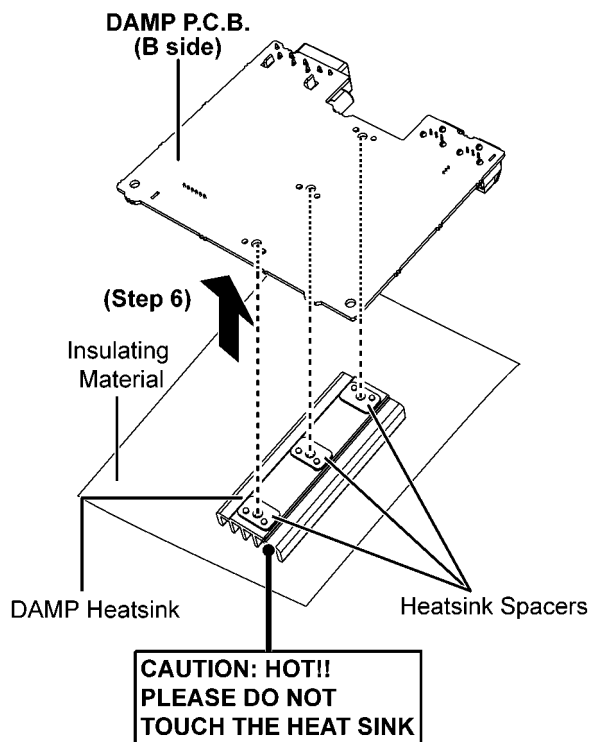
Step 9 : DAMP P.C.B. (A side) can be checked and repaired as diagram shown.



Step 6 : Lift up the DAMP P.C.B. as arrow shown.

Caution 1: Keep the Heatsink Spacer in safe place. Avoid denting it, place it back during assembling.

Caution 2: Handle the DAMP Heatsink & P.C.B. with caution due to it's high temperature after prolonged use. Touching it may lead to injuries.



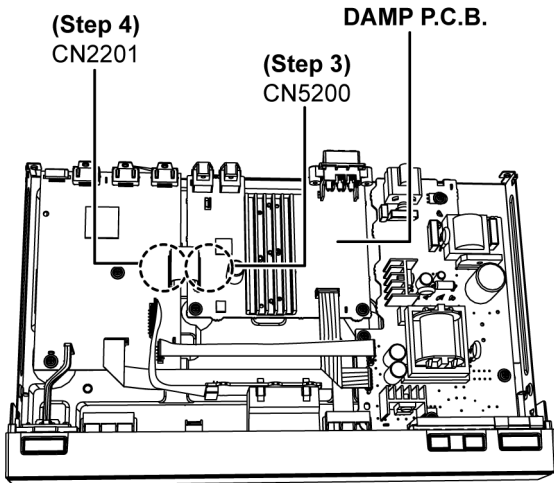
12.1.5. Checking and Repairing of DAMP P.C.B. (Side B)

Step 1 : Remove Top Cabinet.

Step 2 : Remove Rear Panel.

Step 3 : Detach 40P FFC at the connector (CN5200) on DAMP P.C.B..

Step 4 : Detach 40P FFC at the connector (CN2201) on Main P.C.B..

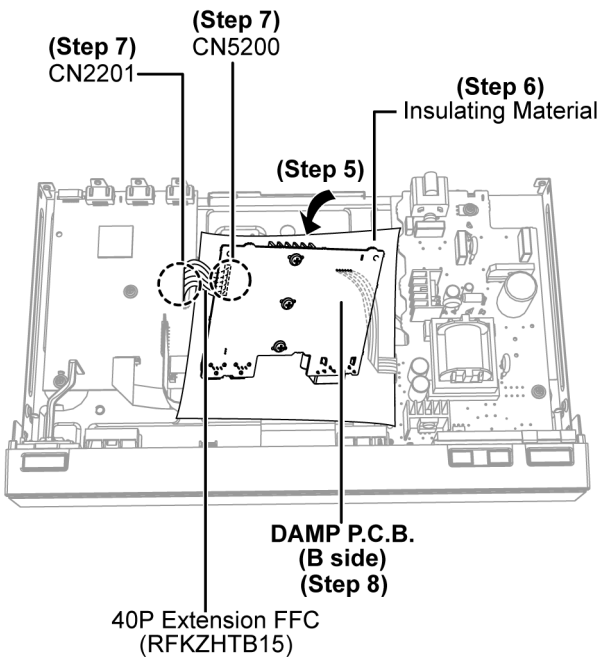


Step 5 : Upset the DAMP P.C.B. as arrow shown.

Step 6 : Place the DAMP P.C.B. on an Insulated Material.

Step 7 : Attach 40P Extension FFC (RFKZHTB15) from the connector (CN2201) on the Main P.C.B. to the connector (CN5200) on DAMP P.C.B..

Step 8 : DAMP P.C.B. (B side) can be checked and repaired as diagram shown.



12.1.6. Checking and Repairing of Panel P.C.B.

Step 1 : Remove Top Cabinet.

Step 2 : Remove Front Panel Block.

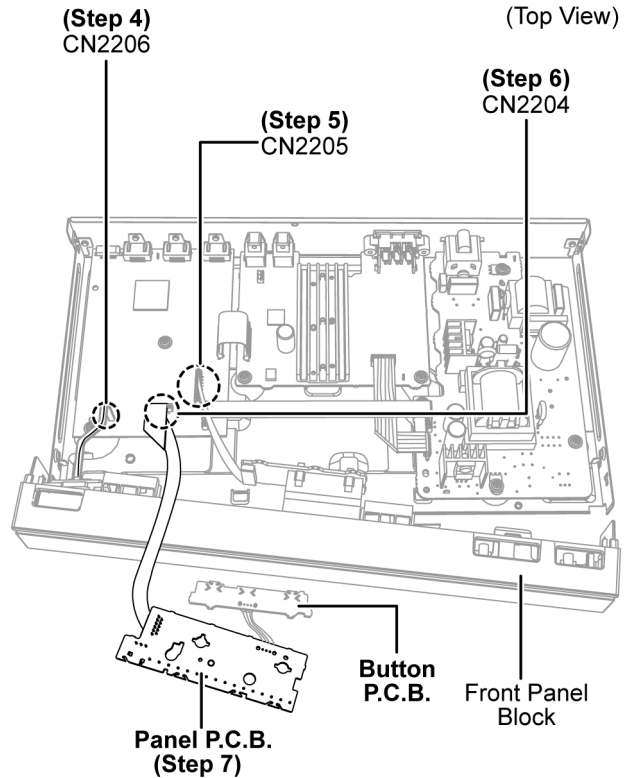
Step 3 : Remove Button P.C.B. and Panel P.C.B..

Step 4 : Attach 2P Cable Wire at the connector (CN2206) on Main P.C.B..

Step 5 : Attach 17P FFC at the connector (CN2205) on Main P.C.B..

Step 6 : Attach 11P FFC at the connector (CN2204) on Main P.C.B..

Step 7 : Panel P.C.B. (B side) can be checked and repaired as diagram shown.



12.2. Active Subwoofer (SB-HWA520)

Note: For description of the disassembly procedures, see the Section 11

12.2.1. Checking and Repairing of DAMP P.C.B.

Step 1 : Remove the AC Inlet P.C.B..

Step 2 : Remove the SMPS Module P.C.B..

Step 3 : Remove the DAMP P.C.B and Power Button P.C.B..

Step 4 : Attach 2P Cable Wire at the connector (CN101) on the SMPS Module P.C.B.

Step 5 : Attach 7P Cable Wire at the connector (CN201) on the SMPS Module P.C.B..

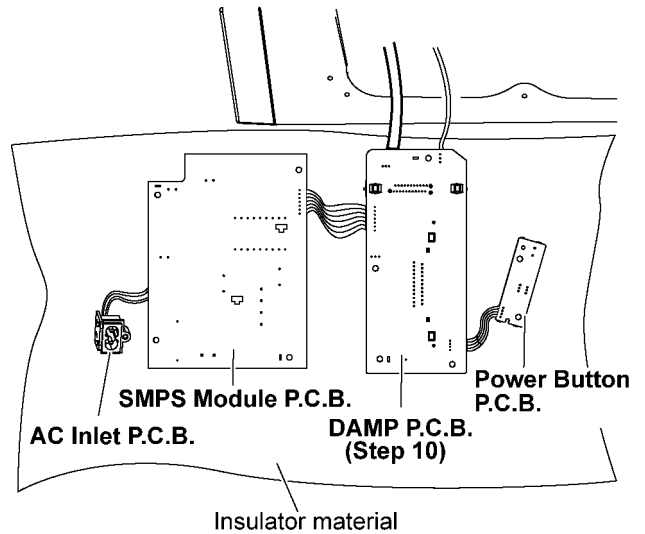
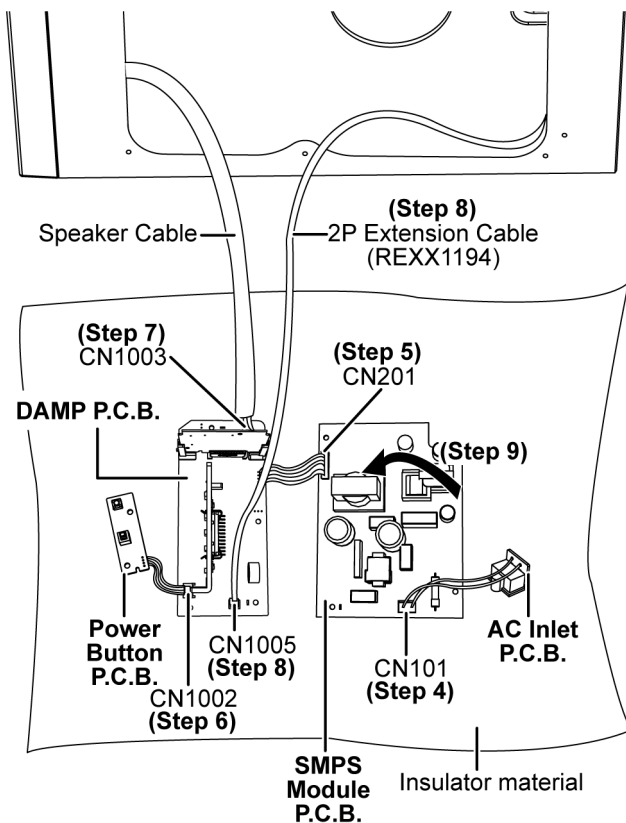
Step 6 : Attach 4P Cable Wire at the connector (CN1002) on the DAMP P.C.B..

Step 7 : Attach 3P Cable Wire at the connector (CN1003) on the DAMP P.C.B..

Step 8 : Attach 2P Extension Cable (REXX1194) from the Speaker Cable and the connector (CN1005) on the DAMP P.C.B..

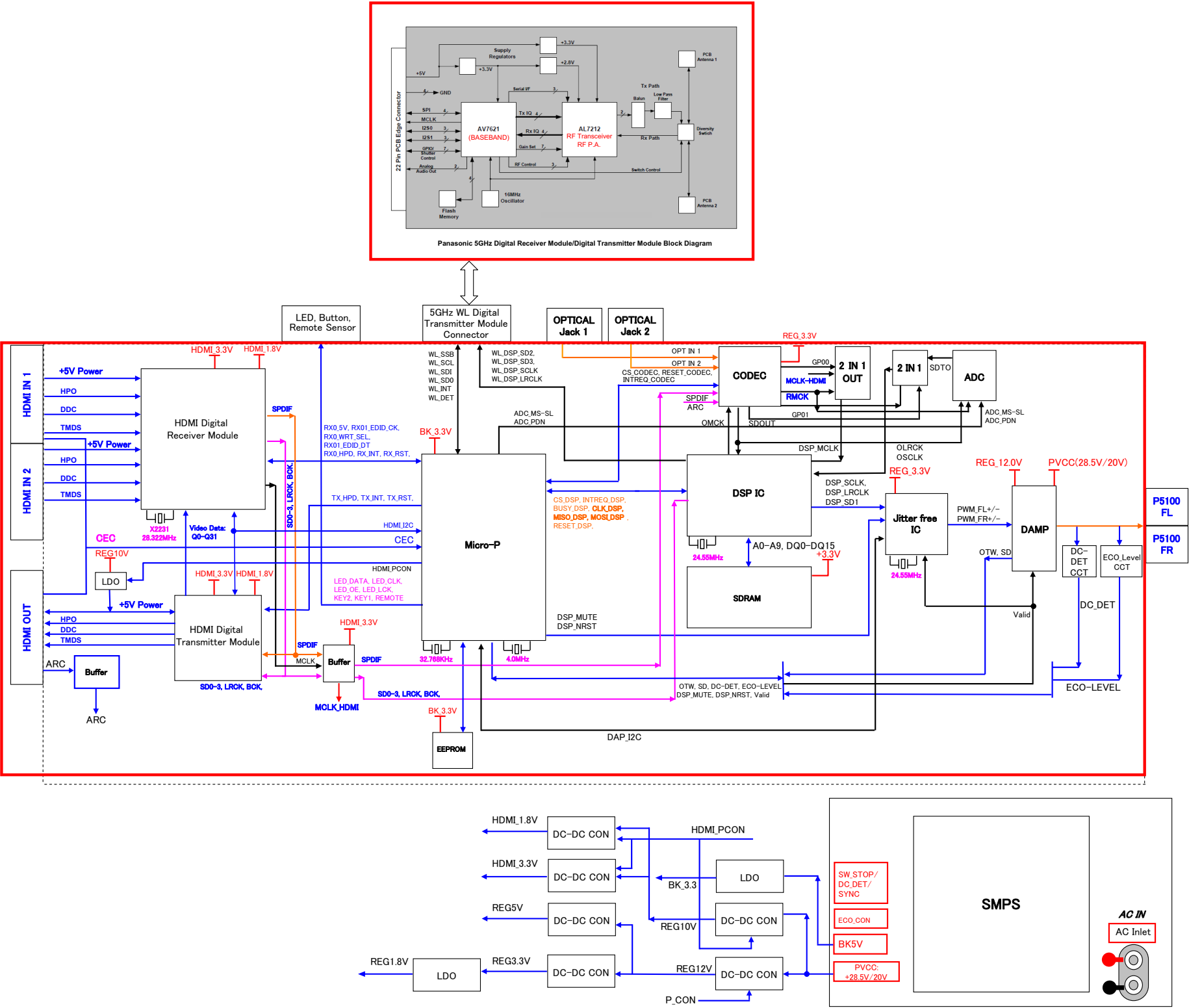
Step 9 : Lift and upset the SMPS Module P.C.B., AC Inlet P.C.B., DAMP P.C.B to the Power Button P.C.B. as arrow shown.

Step 10 : DAMP P.C.B. can be checked and repaired as diagram shown.

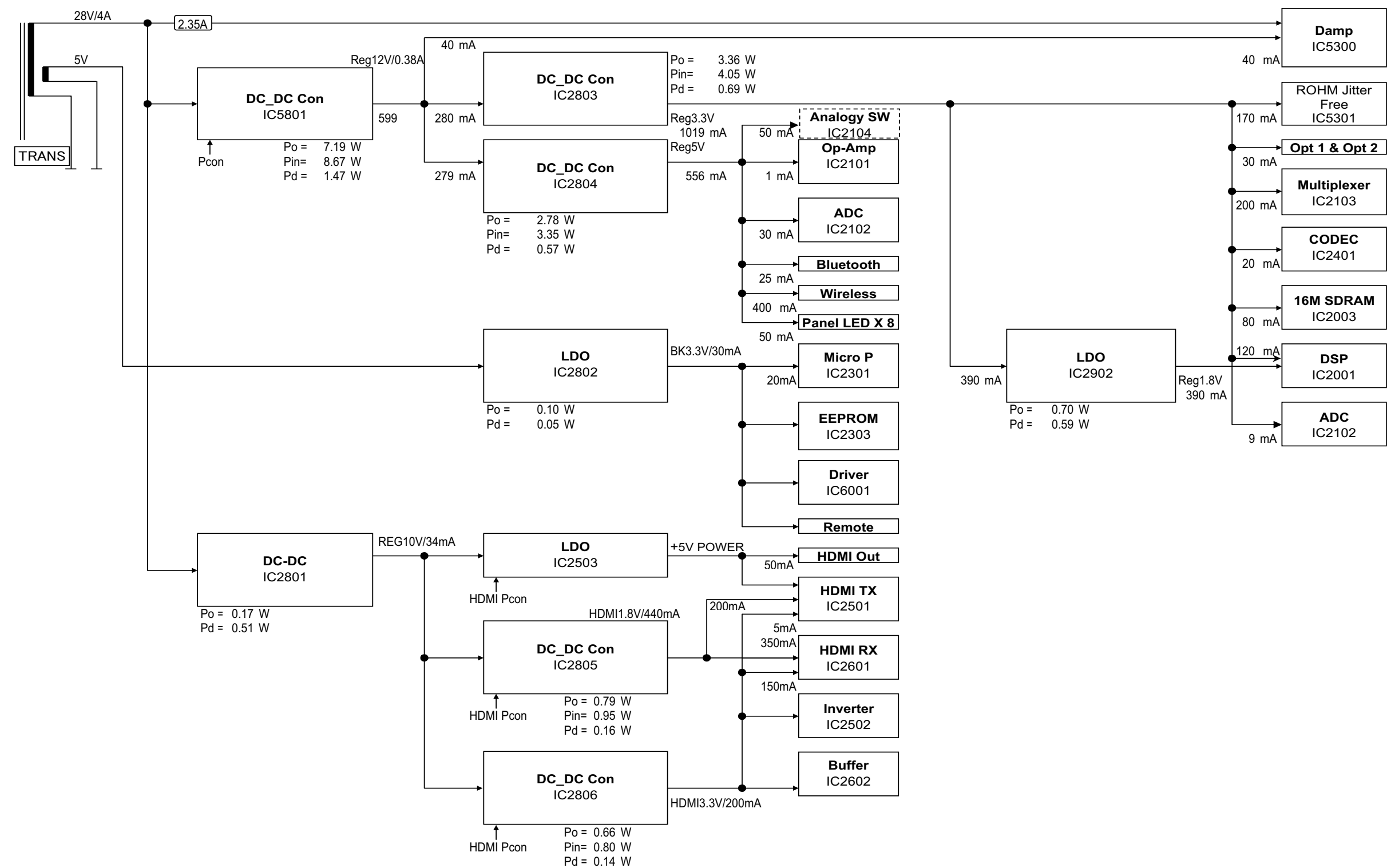


13 Overall Simplified Block

13.1. Overall Control Diagram

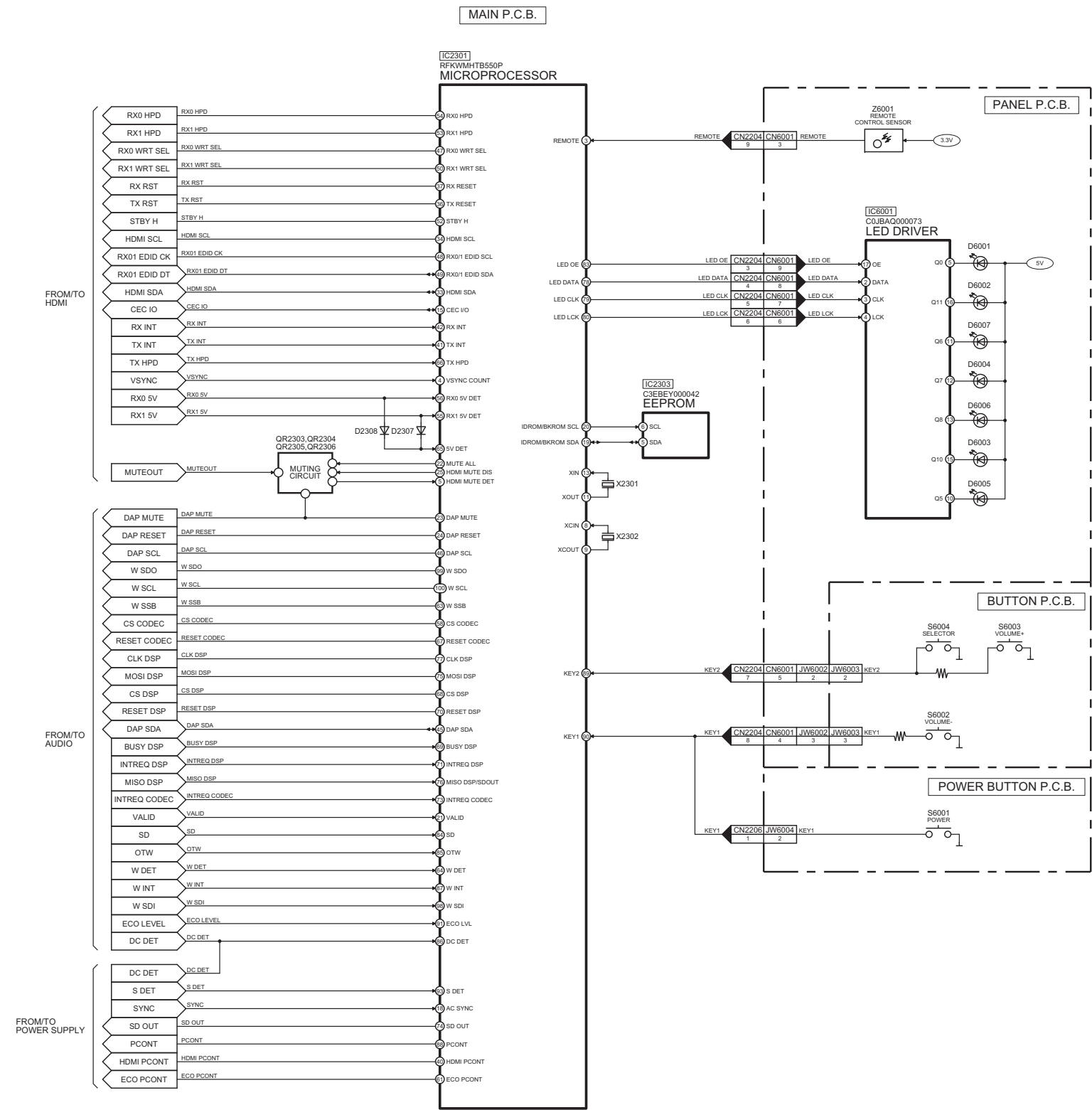


13.2. Power Supply Diagram



14 Block Diagram

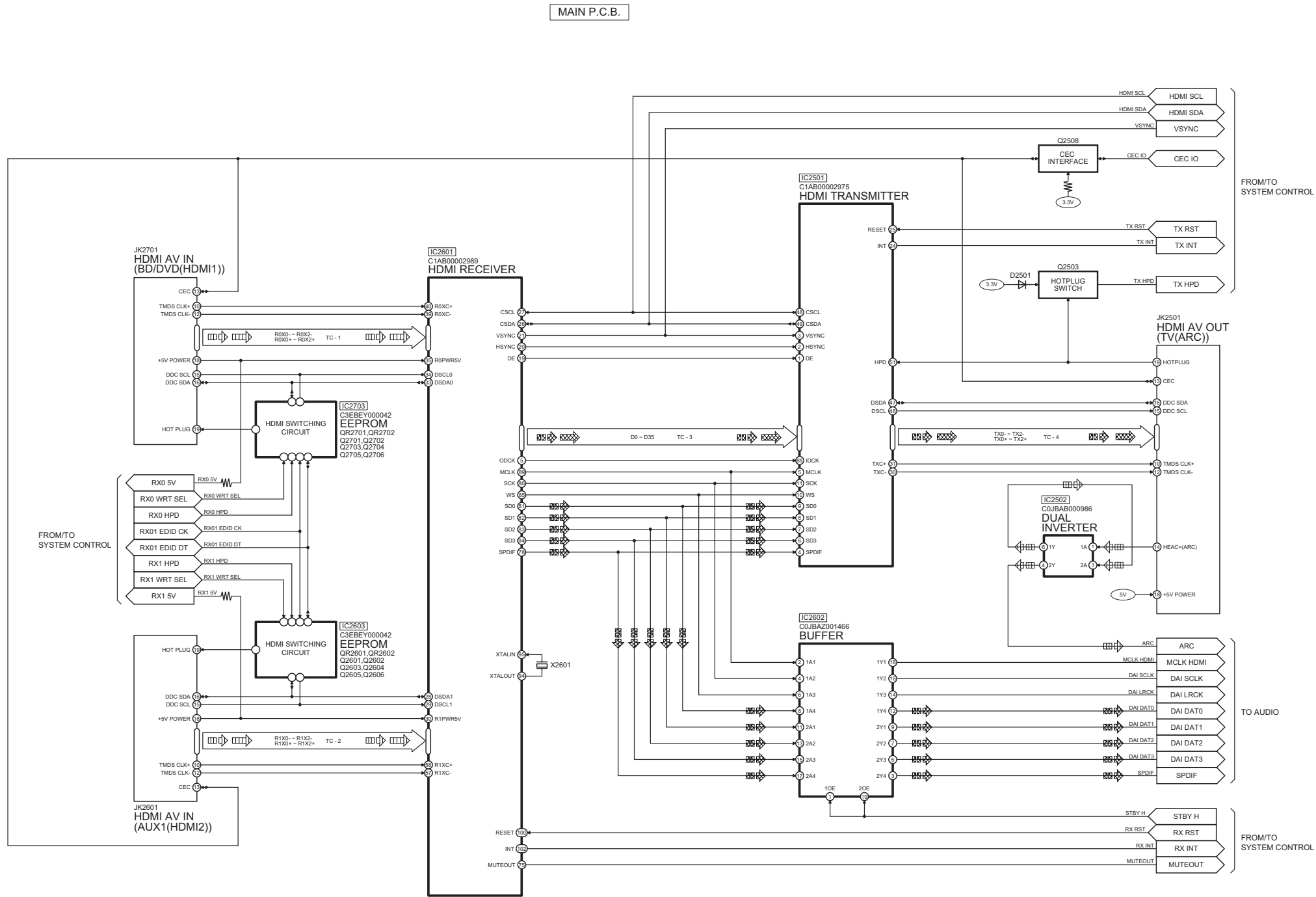
14.1. SYSTEM CONTROL BLOCK DIAGRAM



SC-HTB550GK/GS/GSX(SU-HTB550GK/GS/GSX) SYSTEM CONTROL BLOCK DIAGRAM

14.2. HDMI BLOCK DIAGRAM

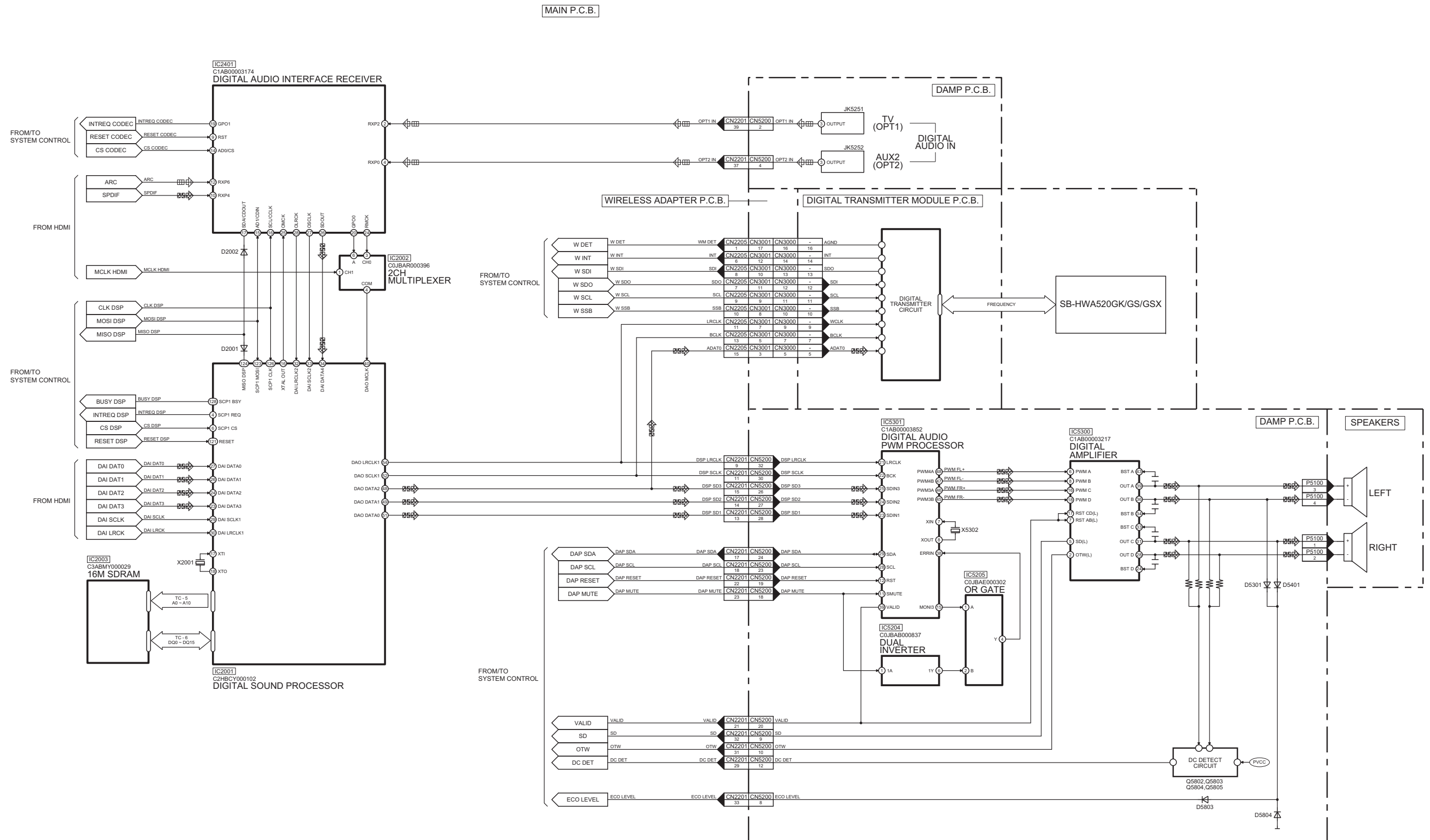
 : HDMI AUDIO INPUT SIGNAL LINE
  : HDMI VIDEO INPUT SIGNAL LINE
  : AUDIO OUTPUT SIGNAL LINE
  : VIDEO OUTPUT SIGNAL LINE



SC-HTB550GK/GS/GSX(SU-HTB550GK/GS/GSX) HDMI BLOCK DIAGRAM

14.3. AUDIO BLOCK DIAGRAM

: HDMI/OPTICAL AUDIO INPUT SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE



SC-HTB550GK/GS/GSX(SU-HTB550GK/GS/GSX) AUDIO BLOCK DIAGRAM

14.4. IC TERMINAL CHART

TC	JK2701 HDMI AV IN (BD/DVD(HDMI1))		SIGNAL NAME	IC2601 HDMI RECEIVER	
	PORT NAME	PIN NO		PIN NO	PORT NAME
1	TMDS D0-	9	R0X0-	43	R0X0-
	TMDS D0+	7	R0X0+	44	R0X0+
	TMDS D1-	6	R0X1-	47	R0X1-
	TMDS D1+	4	R0X1+	48	R0X1+
	TMDS D2-	3	R0X2-	51	R0X2-
	TMDS D2+	1	R0X2+	52	R0X2+

TC	JK2601 HDMI AV IN (AUX1(HDMI2))		SIGNAL NAME	IC2601 HDMI RECEIVER	
	PORT NAME	PIN NO		PIN NO	PORT NAME
2	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-	3	R1X2-	69	R1X2-
	TMDS D2+	1	R1X2+	70	R1X2+

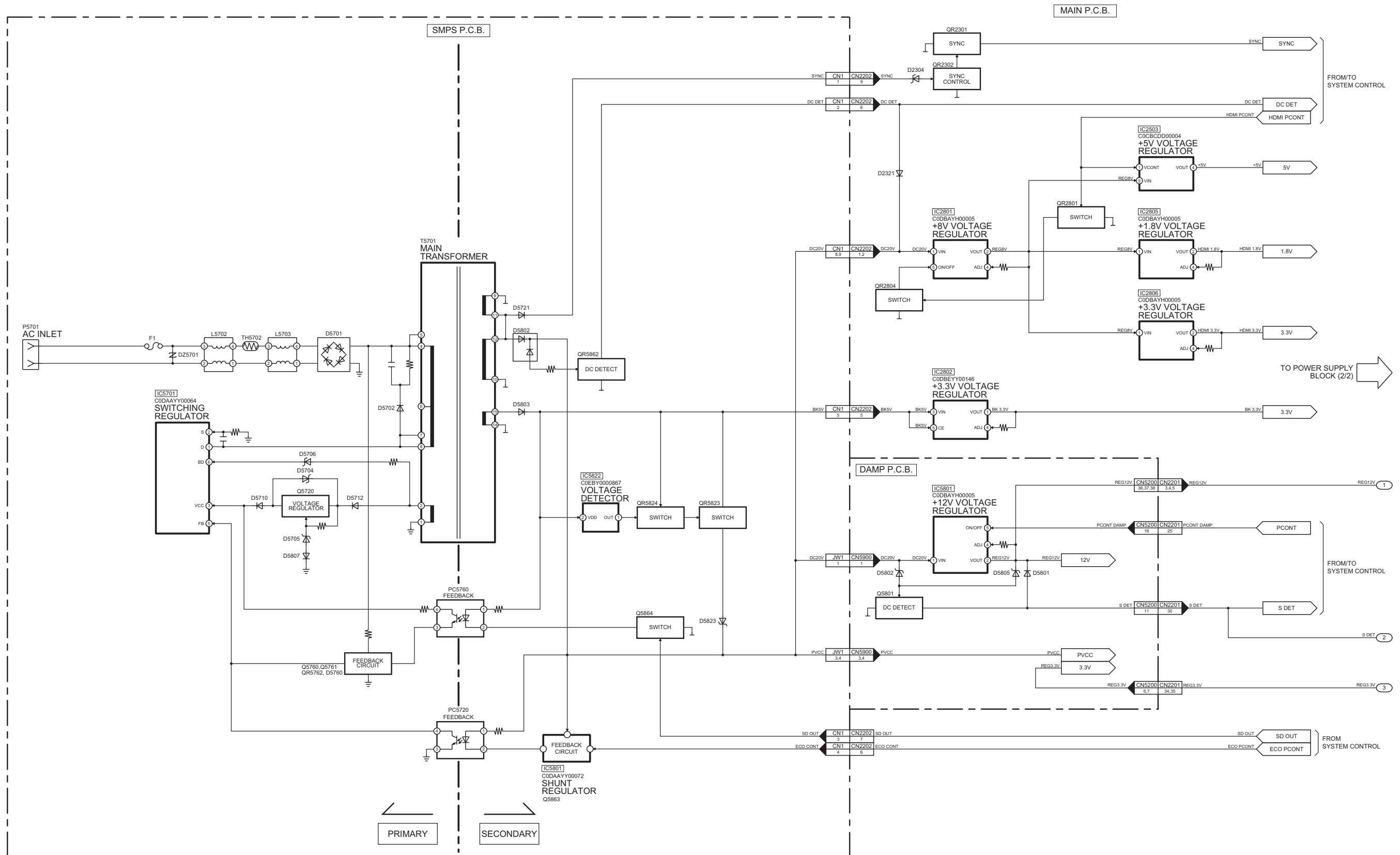
TC	IC2601 HDMI RECEIVER		SIGNAL NAME	IC2501 HDMI TRANSMITTER	
	PORT NAME	PIN NO		PIN NO	PORT NAME
3	Q0	16	D0	98	D0
	Q1	15	D1	97	D1
	Q2	14	D2	96	D2
	Q3	13	D3	95	D3
	Q4	10	D4	94	D4
	Q5	9	D5	93	D5
	Q6	8	D6	92	D6
	Q7	7	D7	91	D7
	Q8	3	D8	90	D8
	Q9	2	D9	86	D9
	Q10	1	D10	85	D10
	Q11	144	D11	84	D11
	Q12	141	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	IC2501 HDMI TRANSMITTER		SIGNAL NAME	JK2501 HDMI AV OUT (TV(ARC))	
	PORT NAME	PIN NO		PIN NO	PORT NAME
4	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-	3	TMDS D2-
	TX2+	40	TX2+	1	TMDS D2+

TC	IC2001 DSP		SIGNAL NAME	IC2003 16M SDRAM	
	PORT NAME	PIN NO		PIN NO	PORT NAME
5	EXT A0	102	A0	21	A0
	EXT A1	101	A1	22	A1
	EXT A2	99	A2	23	A2
	EXT A3	97	A3	24	A3
	EXT A4	96	A4	27	A4
	EXT A5	93	A5	28	A5
	EXT A6	91	A6	29	A6
	EXT A7	90	A7	30	A7
	EXT A8	88	A8	31	A8
	EXT A9	87	A9	32	A9
	EXT A10	103	A10	20	A10

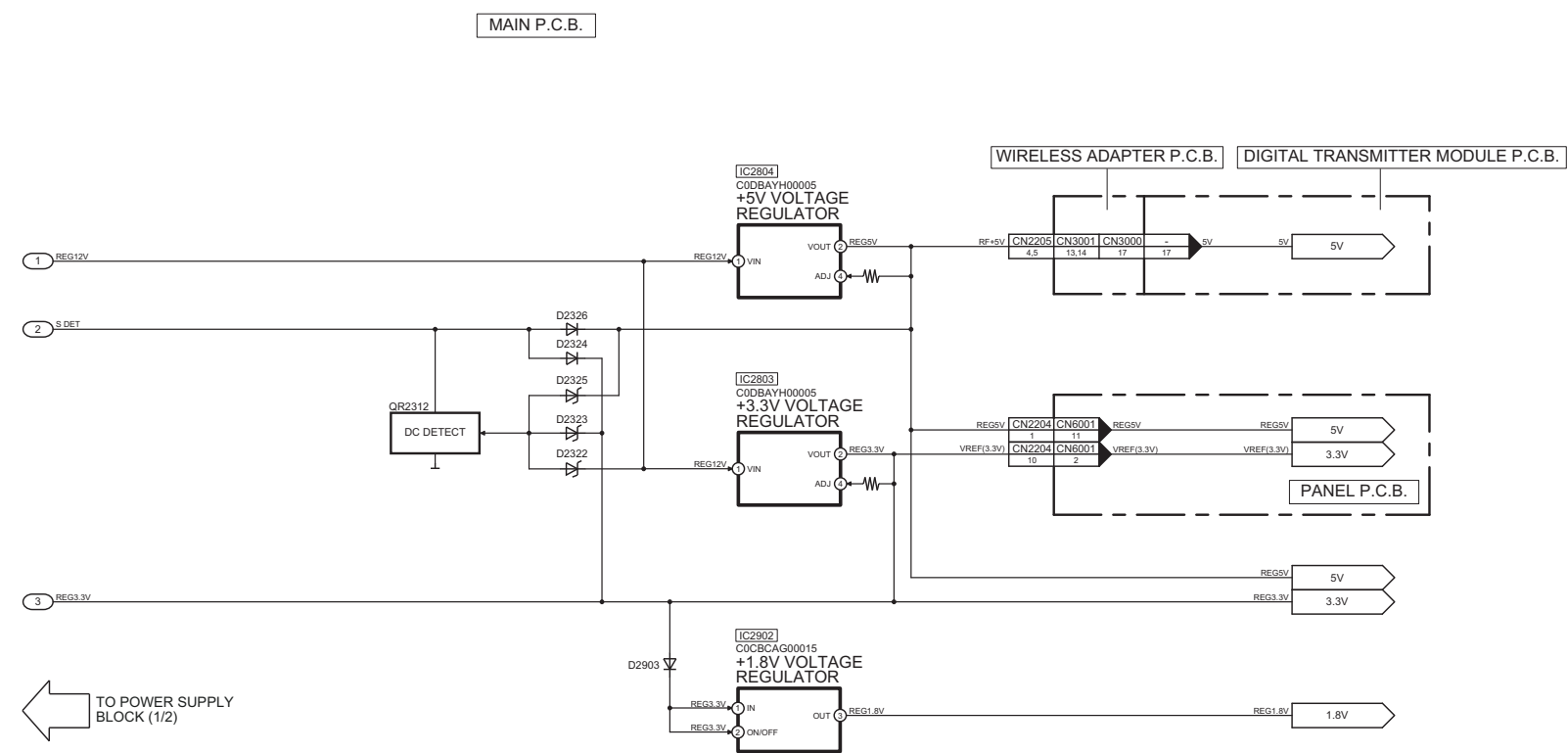
TC	IC2001 DSP		SIGNAL NAME	IC2003 16M SDRAM	
	PORT NAME	PIN NO		PIN NO	PORT NAME
6	EXT D0	68	DQ0	2	DQ0
	EXT D1	65	DQ1	3	DQ1
	EXT D2	64	DQ2	5	DQ2
	EXT D3	63	DQ3	6	DQ3
	EXT D4	61	DQ4	8	DQ4
	EXT D5	60	DQ5	9	DQ5
	EXT D6	59	DQ6	11	DQ6
	EXT D7	58	DQ7	12	DQ7
	EXT D8	78	DQ8	39	DQ8
	EXT D9	77	DQ9	40	DQ9
	EXT D10	75	DQ10	42	DQ10
	EXT D11	74	DQ11	43	DQ11
	EXT D12	72	DQ12	45	DQ12
	EXT D13	71	DQ13	46	DQ13
	EXT D14	70	DQ14	48	DQ14
	EXT D15	69	DQ15	49	DQ15

14.5. POWER SUPPLY (1/2) BLOCK DIAGRAM



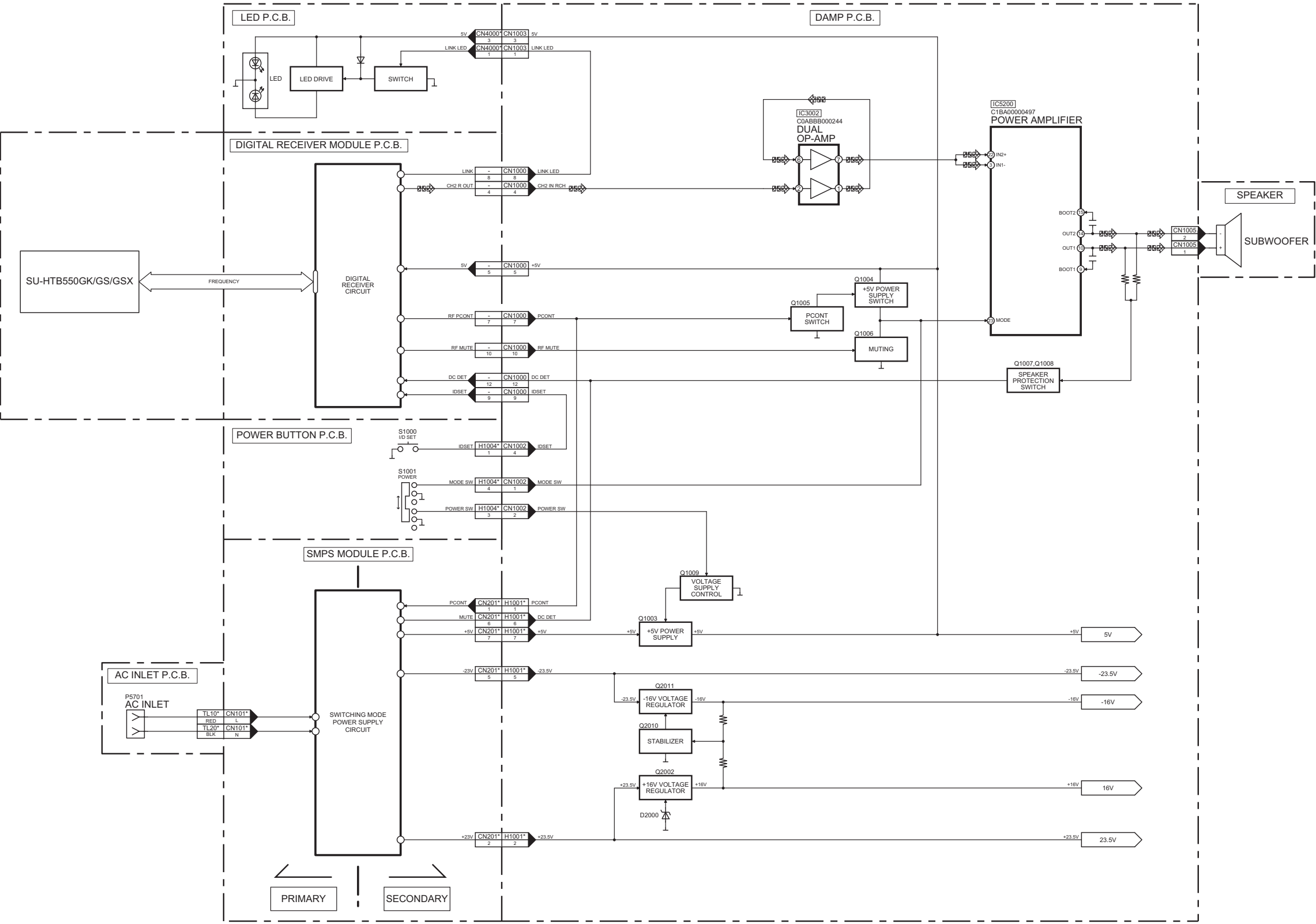
SC-HTB550GK/GS/GSX(SU-HTB550GK/GS/GSX) POWER SUPPLY (1/2) BLOCK DIAGRAM

14.6. POWER SUPPLY (2/2) BLOCK DIAGRAM



14.7. AUDIO & POWER SUPPLY BLOCK DIAGRAM

 : AUDIO OUTPUT SIGNAL LINE

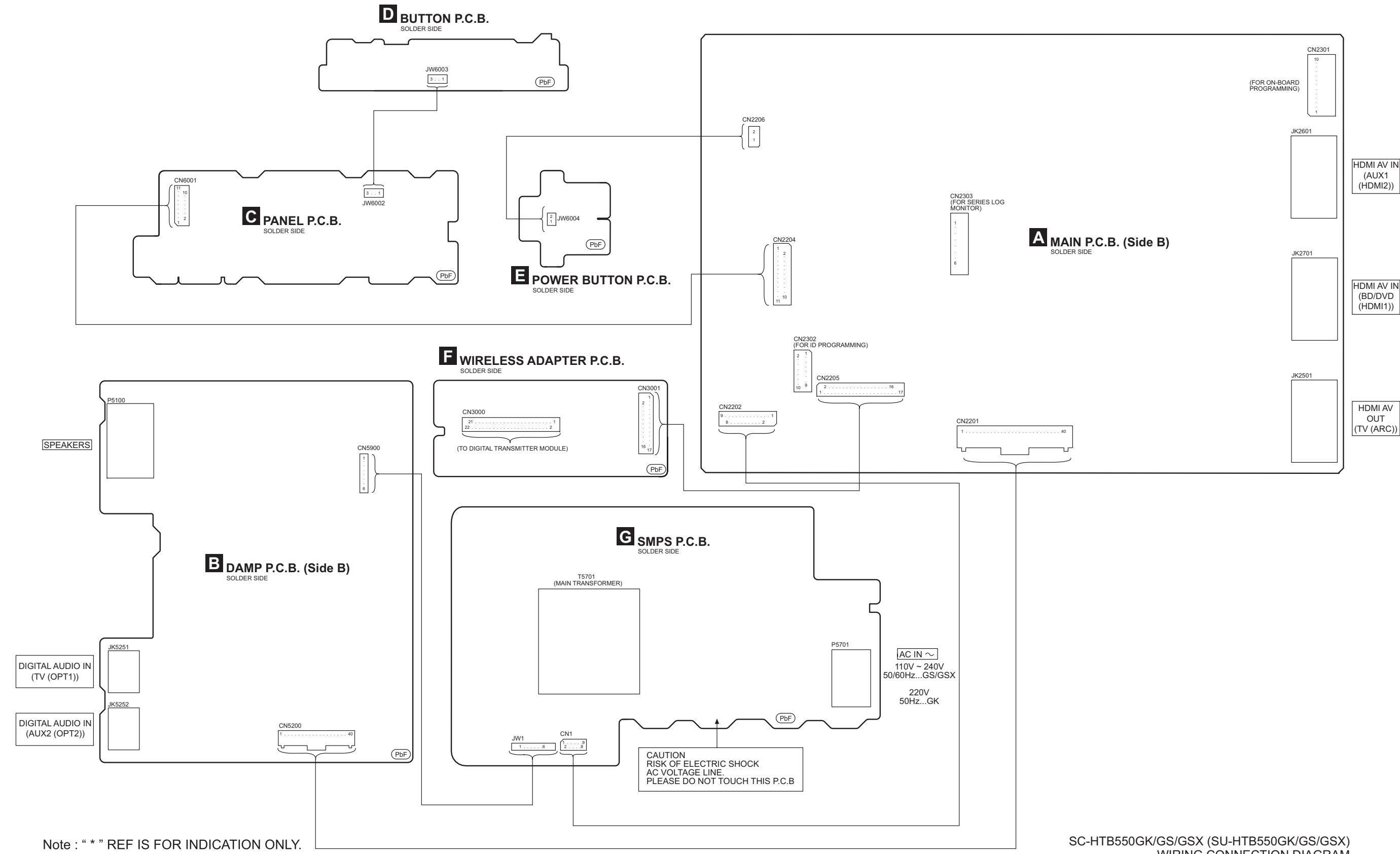


NOTE: “ * ” REF IS FOR INDICATION ONLY

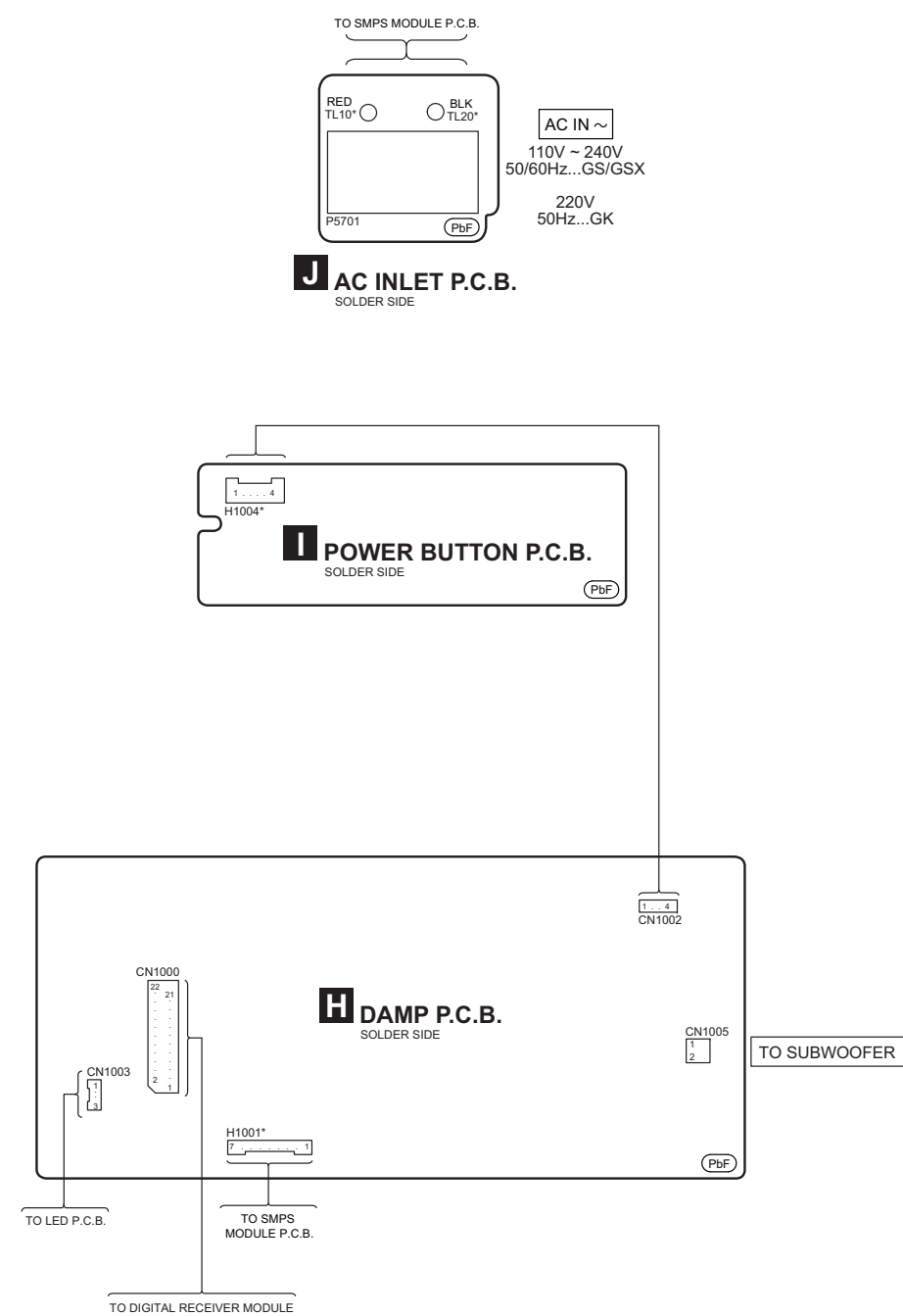
SC-HTB550GK/GS/GSX(SB-HWA520GK/GS/GSX) AUDIO & POWER SUPPLY BLOCK DIAGRAM

15 Wiring Connection Diagram

15.1. Main Unit (SU-HTB550)



15.2. Active Subwoofer (SB-HWA520)



Note : “ * ” REF IS FOR INDICATION ONLY.

SC-HTB550GK/GS/GSX (SB-HWA520GK/GS/GSX)
WIRING CONNECTION DIAGRAM

16 Schematic Diagram

16.1. Schematic Diagram Notes

(All schematic diagrams may be modified at any time with the development of new technology)

Notes:

Main Unit (SU-HTB550)

S6001: POWER switch.
S6002: VOLUME DOWN switch.
S6003: VOLUME UP switch.
S6004: SELECTOR switch.

Active Subwoofer (SB-HWA520)

S1000: I/D SET switch.
S1001: POWER switch.

- 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 Capacitors, the part no. and values will be indicated in the Schematic Diagram.

AC rated voltage capacitors:

C5700, C5701, C5702, C5703, C5705

- Resistor

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

- Capacitor

Unit of capacitance is μ F, unless otherwise noted. F=Farads, pF=pico-Farad.

- Coil

Unit of inductance is H, unless otherwise noted.

- *

REF IS FOR INDICATION ONLY.

- Voltage and signal line



: +B Signal Line



: -B Signal Line



: HDMI/Optical/Bluetooth/Aux Audio Input Signal Line



: HDMI Video Input Signal Line

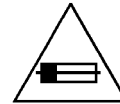


: Audio Output Signal Line



: HDMI Video Output Signal Line

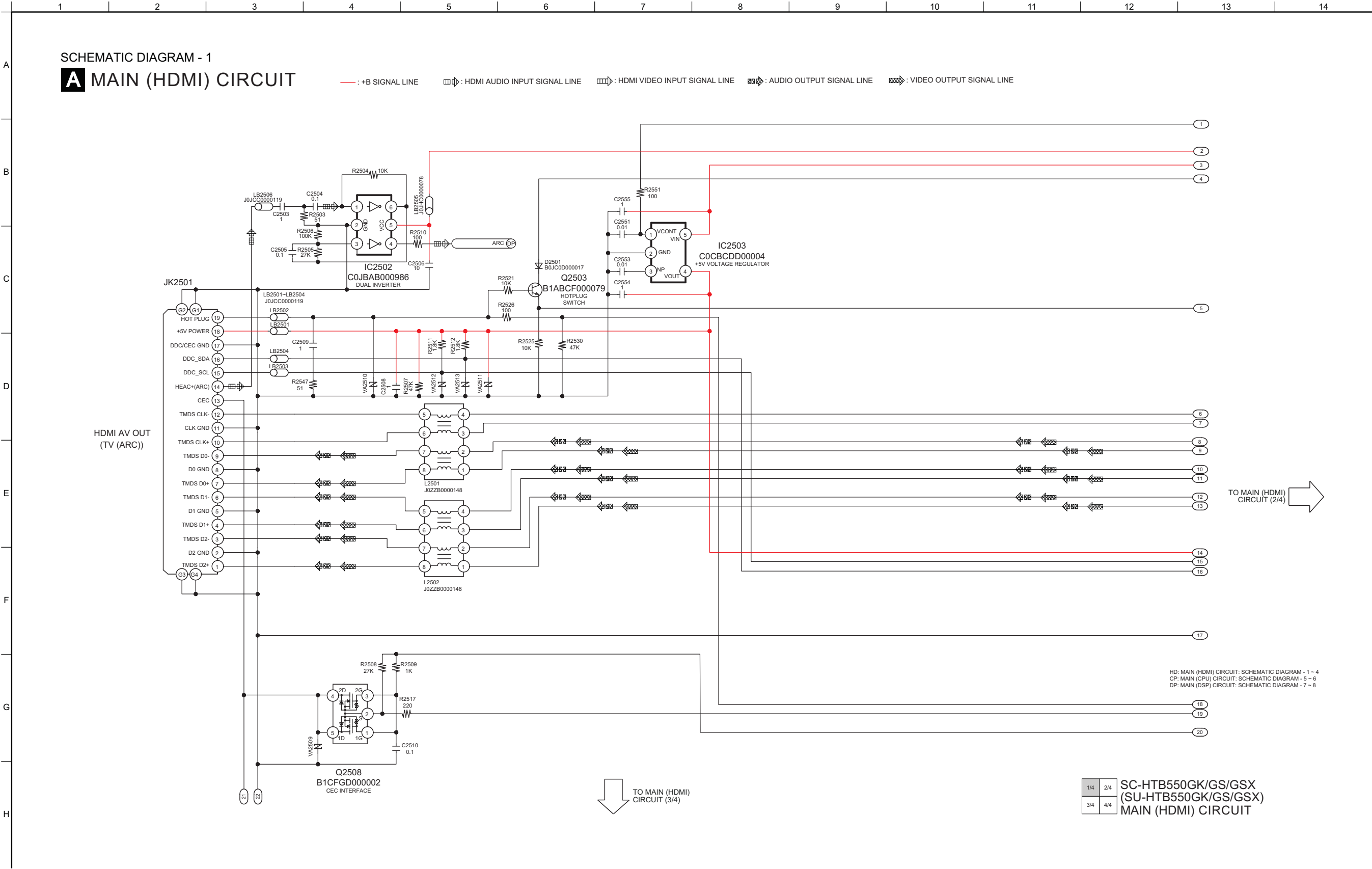
CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE F1 T3.15A, 250V FUSE



RISK OF FIRE-REPLACE FUSE AS MARKED.

16.2. Main Unit (SU-HTB550)

16.2.1. MAIN (HDMI) CIRCUIT (1/4)

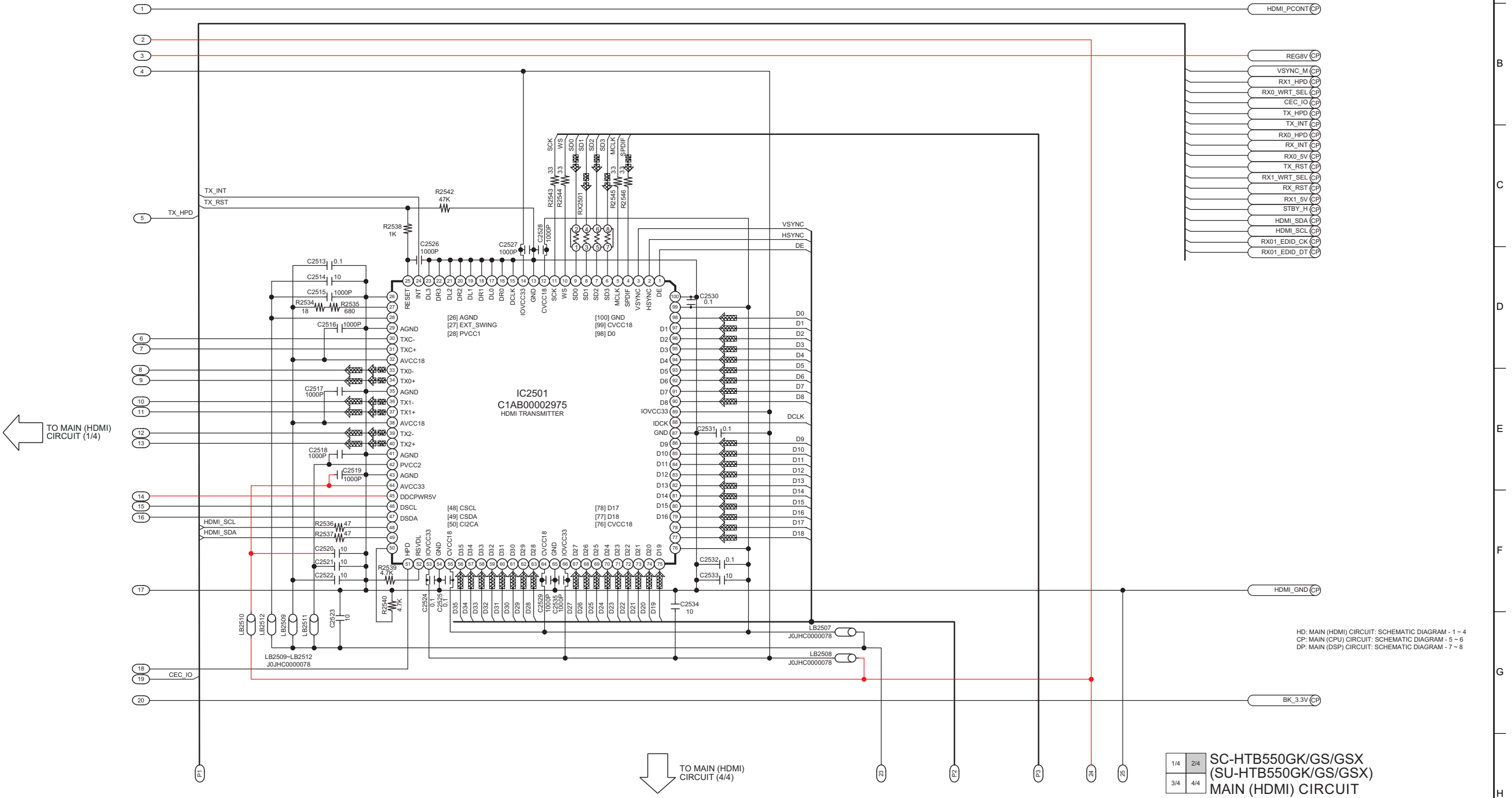


16.2.2. MAIN (HDMI) CIRCUIT (2/4)

SCHEMATIC DIAGRAM - 2

A MAIN (HDMI) CIRCUIT

— : +B SIGNAL LINE  : HDMI AUDIO INPUT SIGNAL LINE  : HDMI VIDEO INPUT SIGNAL LINE  : AUDIO OUTPUT SIGNAL LINE  : VIDEO OUTPUT SIGNAL LINE

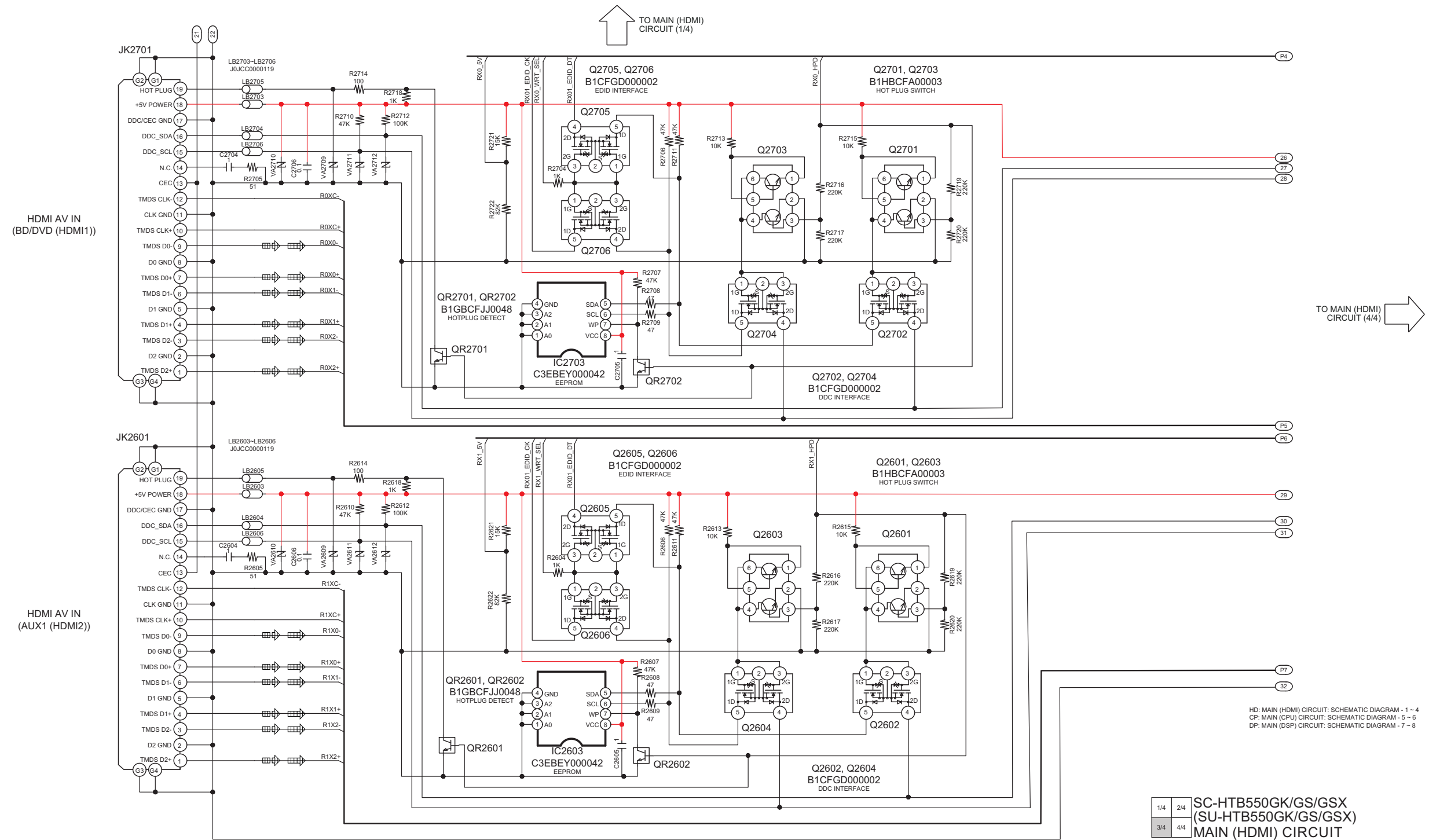


16.2.3. MAIN (HDMI) CIRCUIT (3/4)

SCHEMATIC DIAGRAM - 3

A MAIN (HDMI) CIRCUIT

—: +B SIGNAL LINE : HDMI AUDIO INPUT SIGNAL LINE : HDMI VIDEO INPUT SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE : VIDEO OUTPUT SIGNAL LINE



HD: MAIN (HDMI) CIRCUIT: SCHEMATIC DIAGRAM - 1 ~ 4
CP: MAIN (CPU) CIRCUIT: SCHEMATIC DIAGRAM - 5 ~ 6
DP: MAIN (DSP) CIRCUIT: SCHEMATIC DIAGRAM - 7 ~ 8

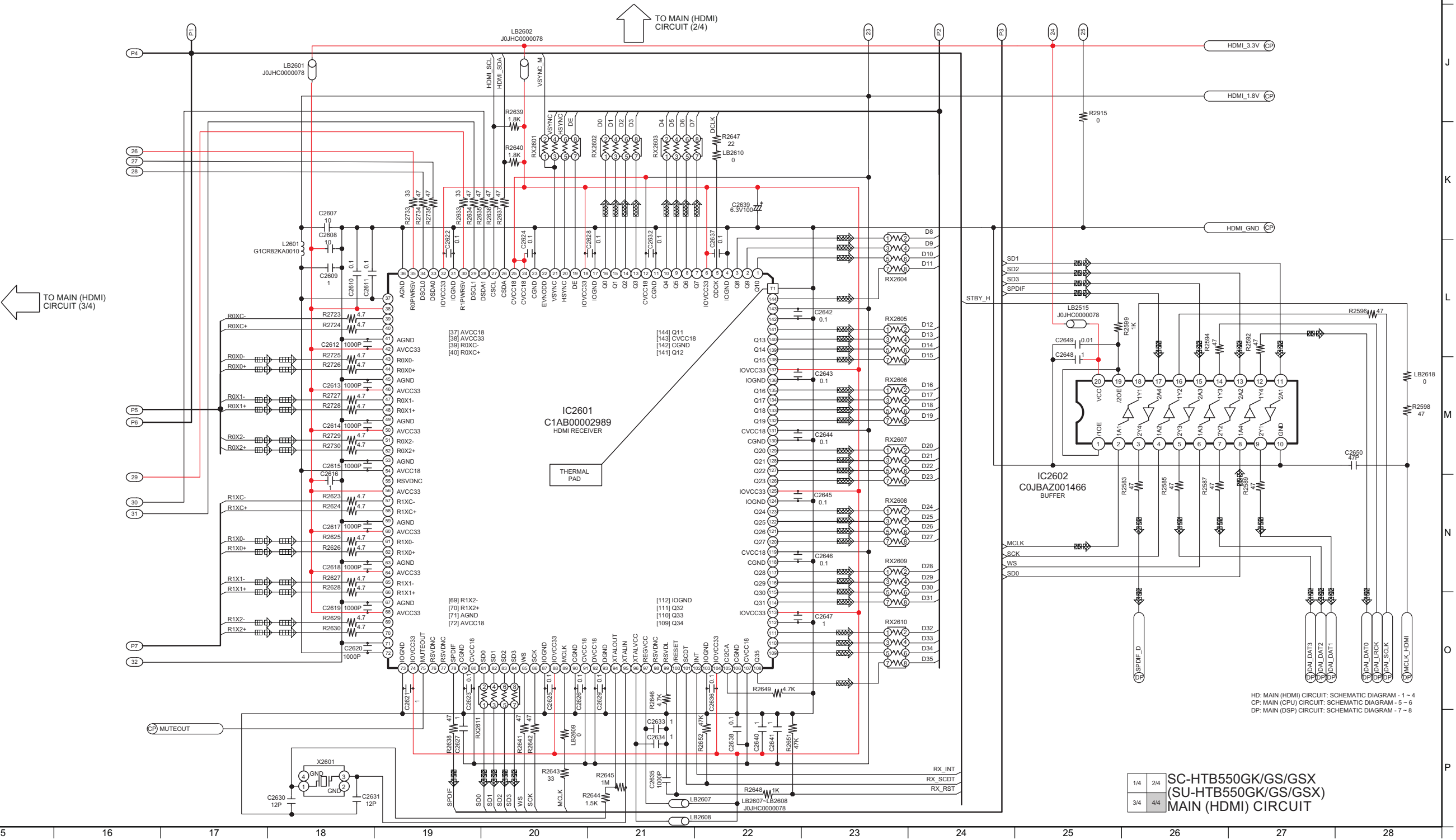
1/4	2/4	SC-HTB550GK/GS/GSX (SU-HTB550GK/GS/GSX) MAIN (HDMI) CIRCUIT
3/4	4/4	

16.2.4. MAIN (HDMI) CIRCUIT (4/4)

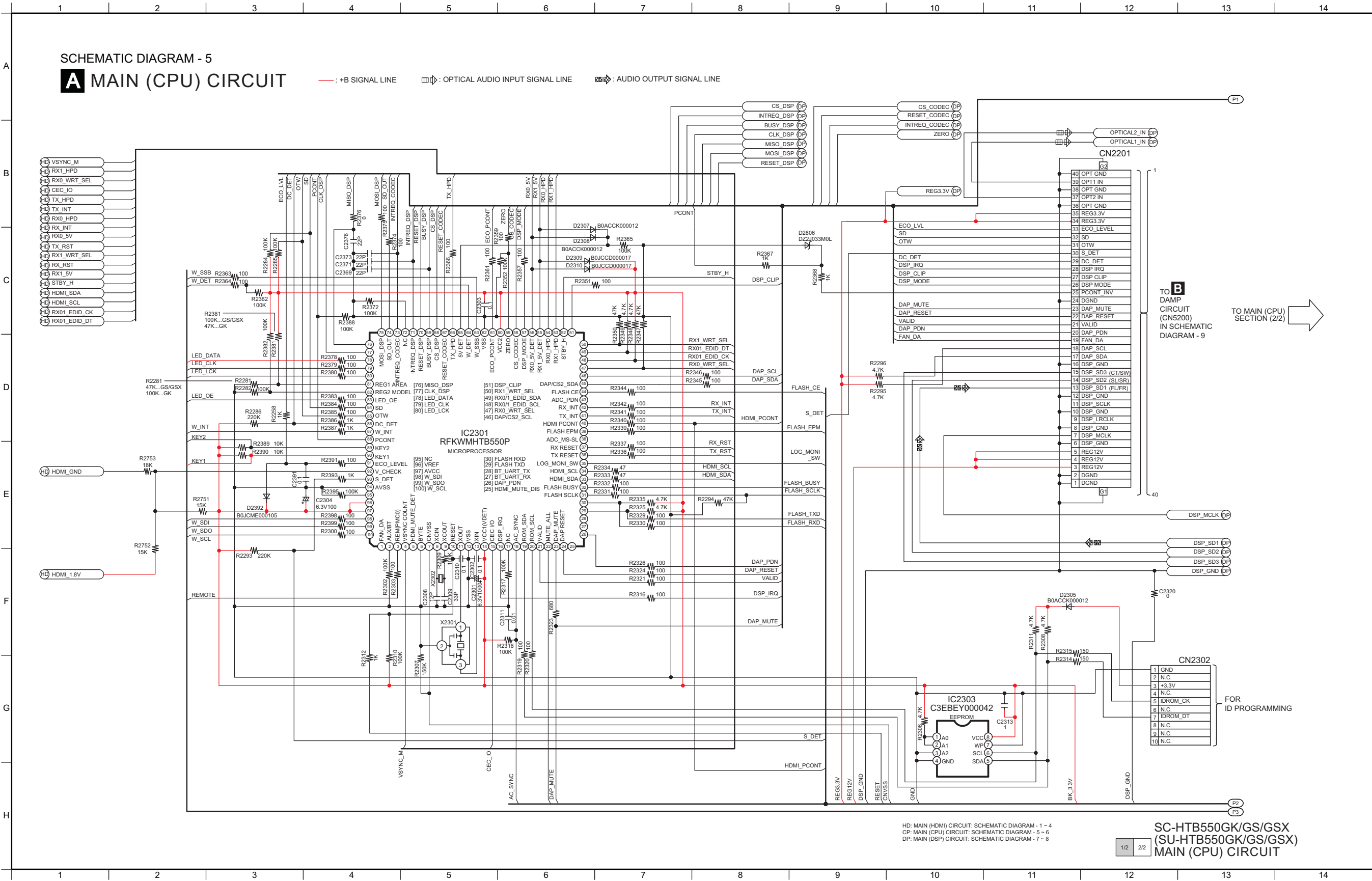
SCHEMATIC DIAGRAM - 4

A MAIN (HDMI) CIRCUIT

—: +B SIGNAL LINE : HDMI AUDIO INPUT SIGNAL LINE : HDMI VIDEO INPUT SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE : VIDEO OUTPUT SIGNAL LINE



16.2.5. MAIN (CPU) CIRCUIT (1/2)

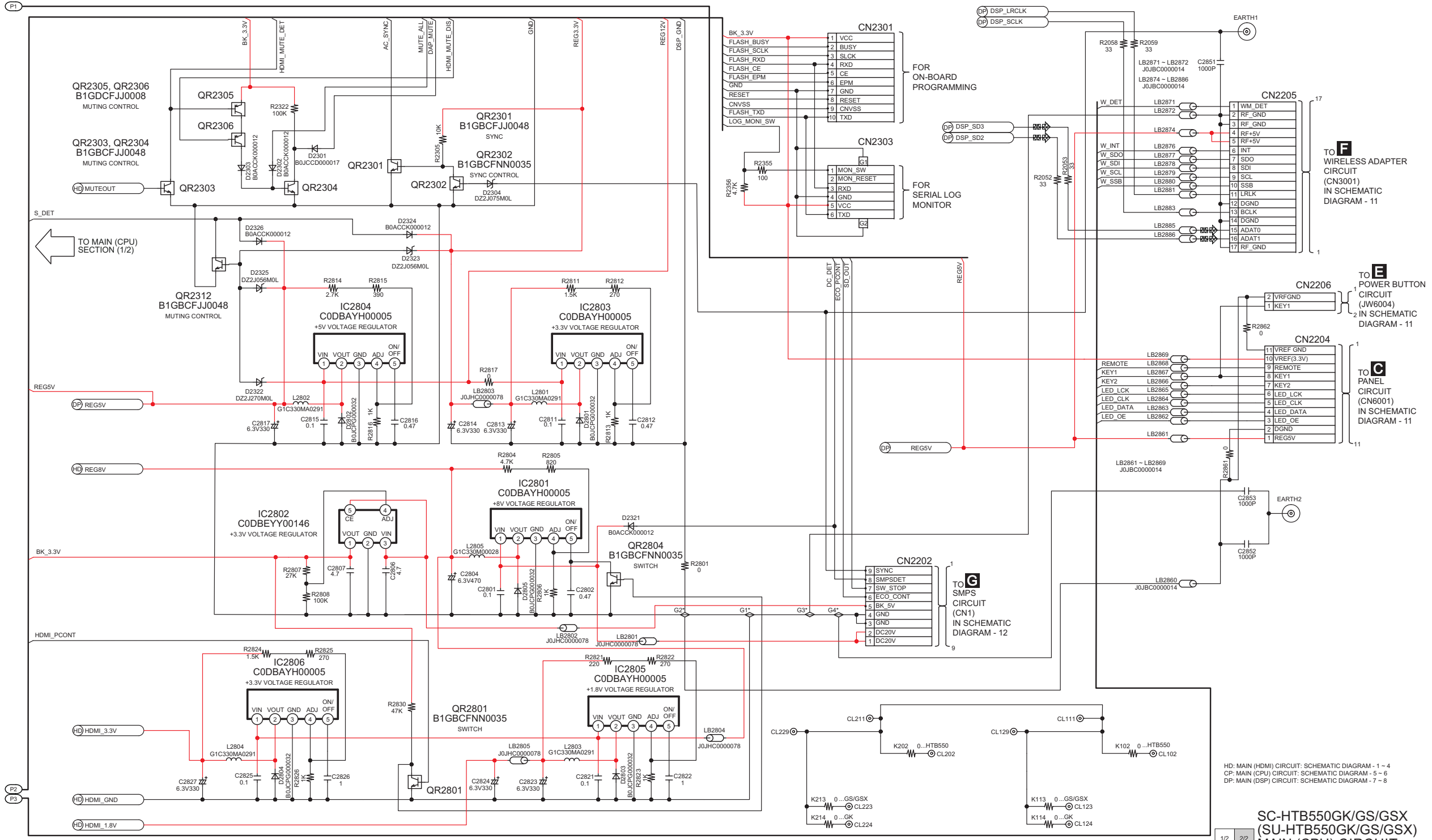


16.2.6. MAIN (CPU) CIRCUIT (2/2)

SCHEMATIC DIAGRAM - 6

A MAIN (CPU) CIRCUIT

— : +B SIGNAL LINE  : OPTICAL AUDIO INPUT SIGNAL LINE  : AUDIO OUTPUT SIGNAL LINE

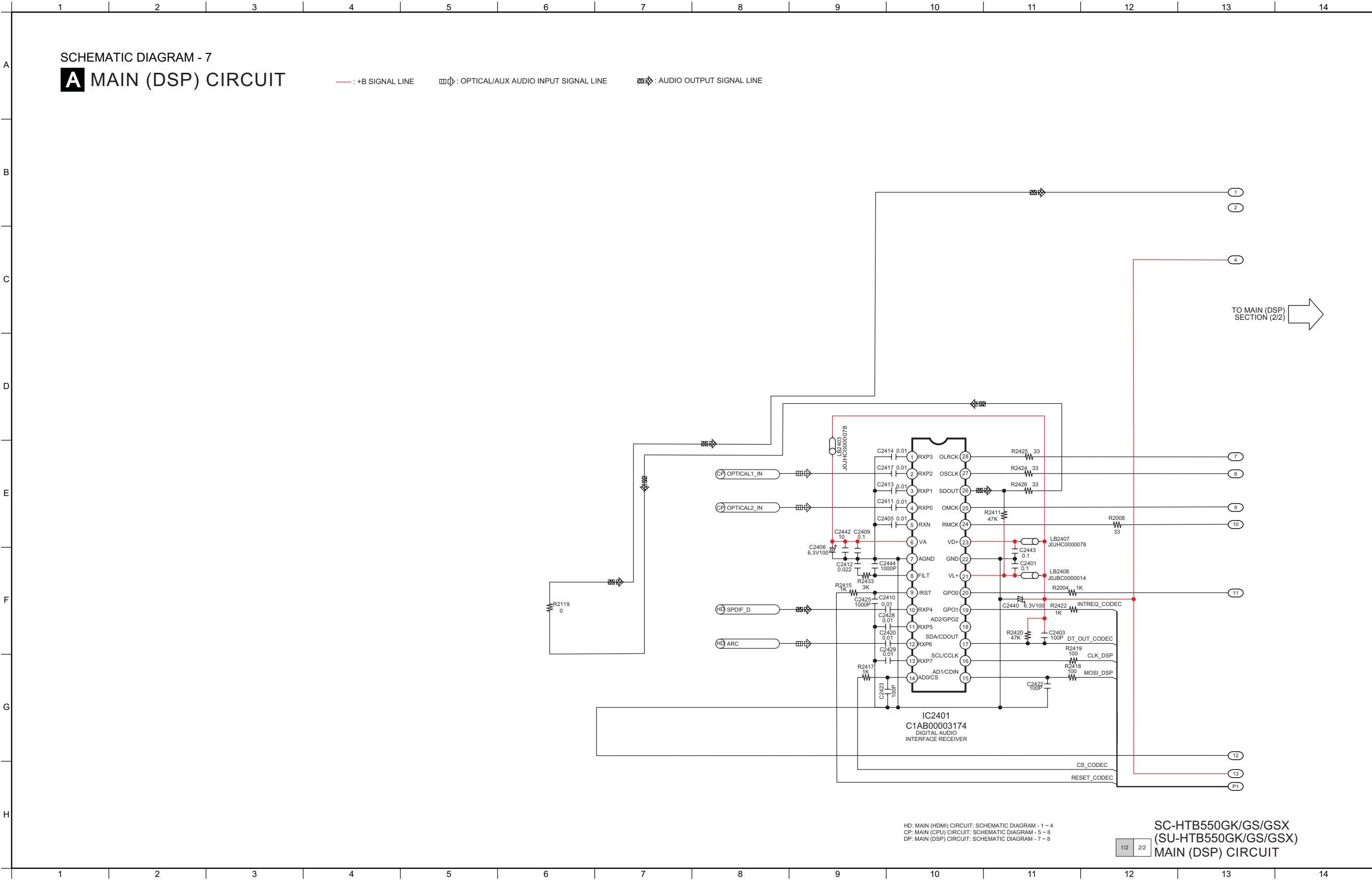


NOTE: " * " REF IS FOR INDICATION ONLY

HD: MAIN (HDMI) CIRCUIT: SCHEMATIC DIAGRAM - 1 ~ 4
CP: MAIN (CPU) CIRCUIT: SCHEMATIC DIAGRAM - 5 ~ 6
DP: MAIN (DSP) CIRCUIT: SCHEMATIC DIAGRAM - 7 ~ 8

SC-HTB550GK/GS/GSX
(SU-HTB550GK/GS/GSX)
MAIN (CPU) CIRCUIT

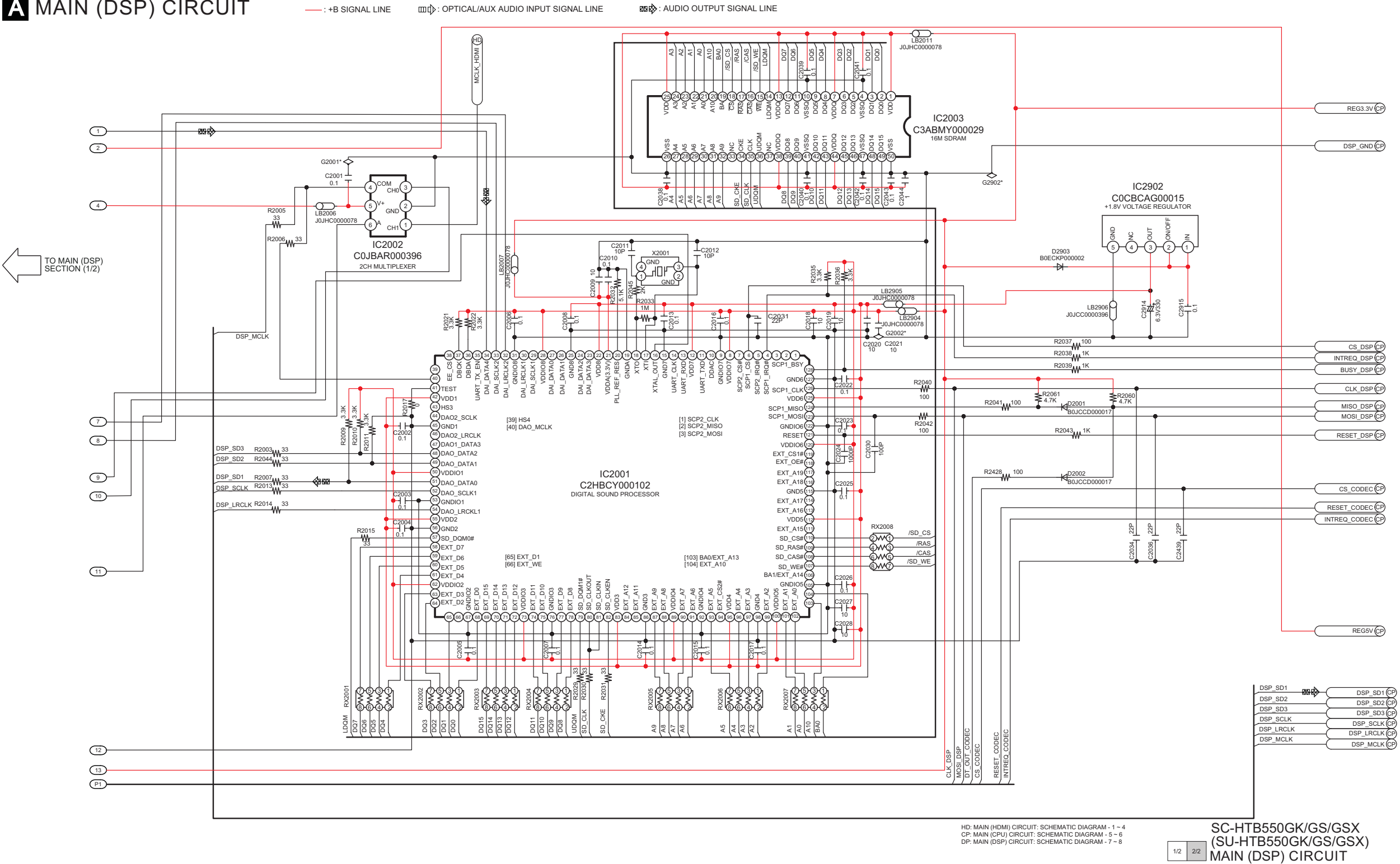
16.2.7. MAIN (DSP) CIRCUIT (1/2)



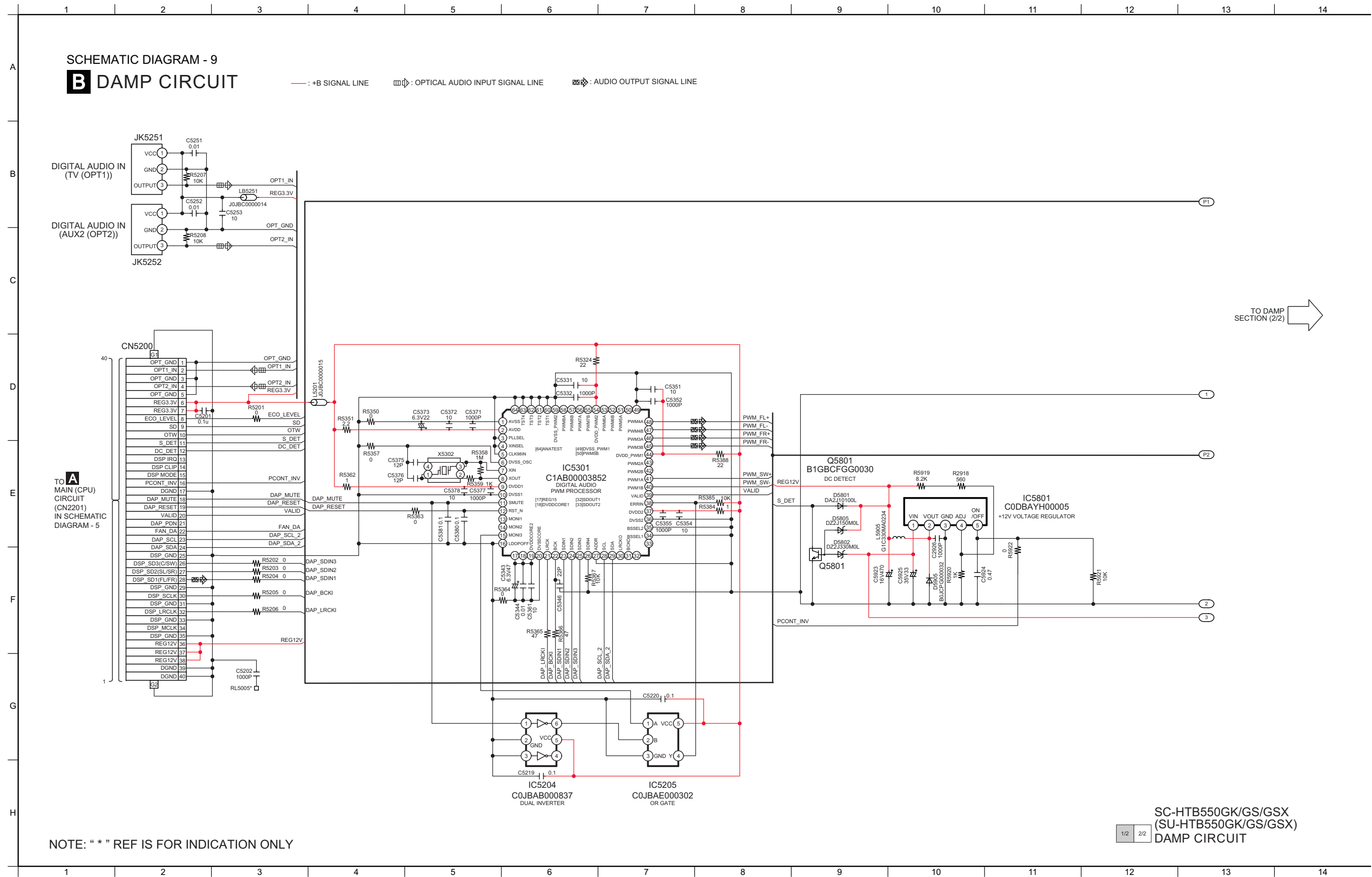
16.2.8. MAIN (DSP) CIRCUIT (2/2)

SCHEMATIC DIAGRAM - 8

A MAIN (DSP) CIRCUIT



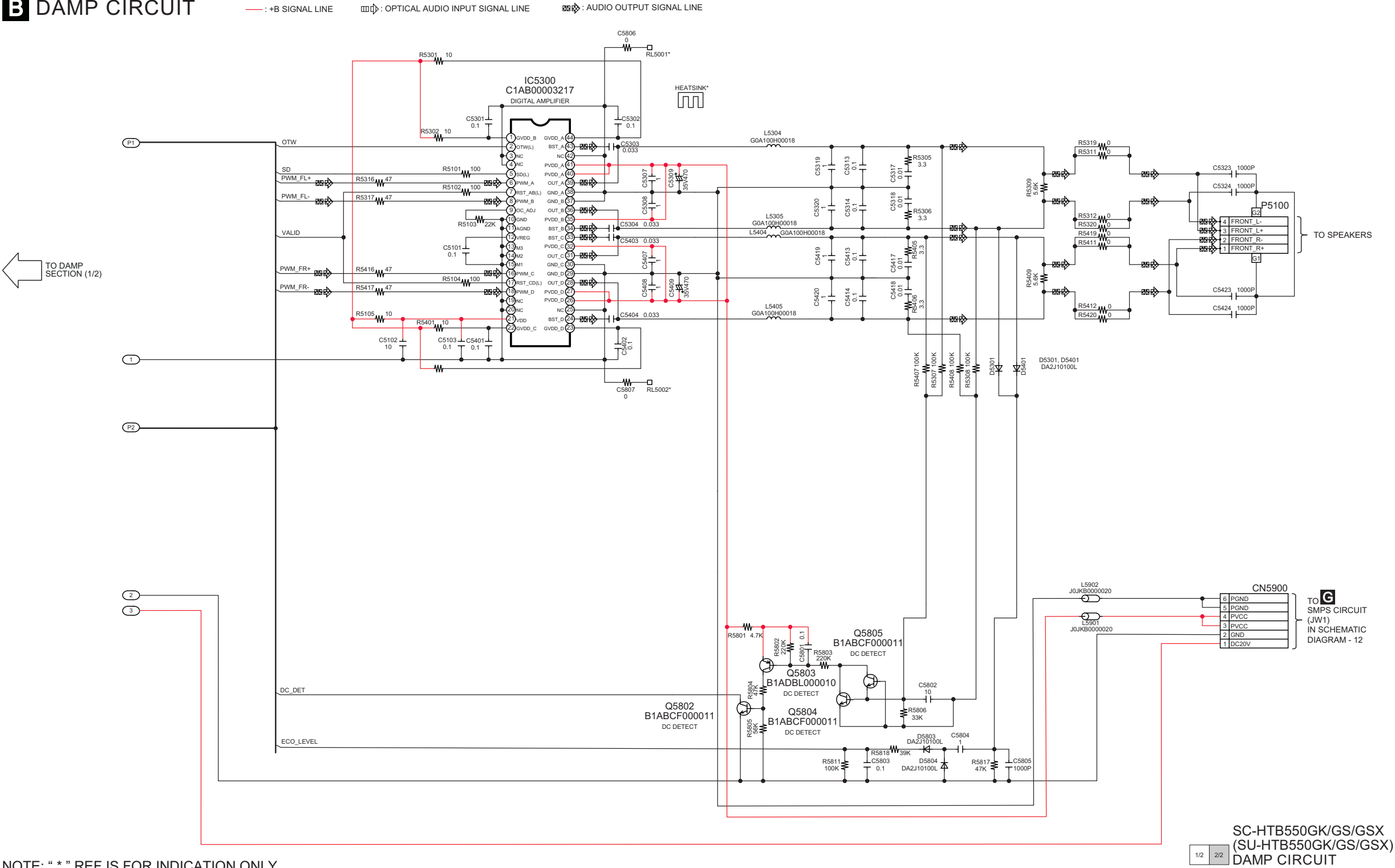
16.2.9. DAMP CIRCUIT (1/2)



16.2.10. DAMP CIRCUIT (2/2)

SCHEMATIC DIAGRAM - 10

B DAMP CIRCUIT

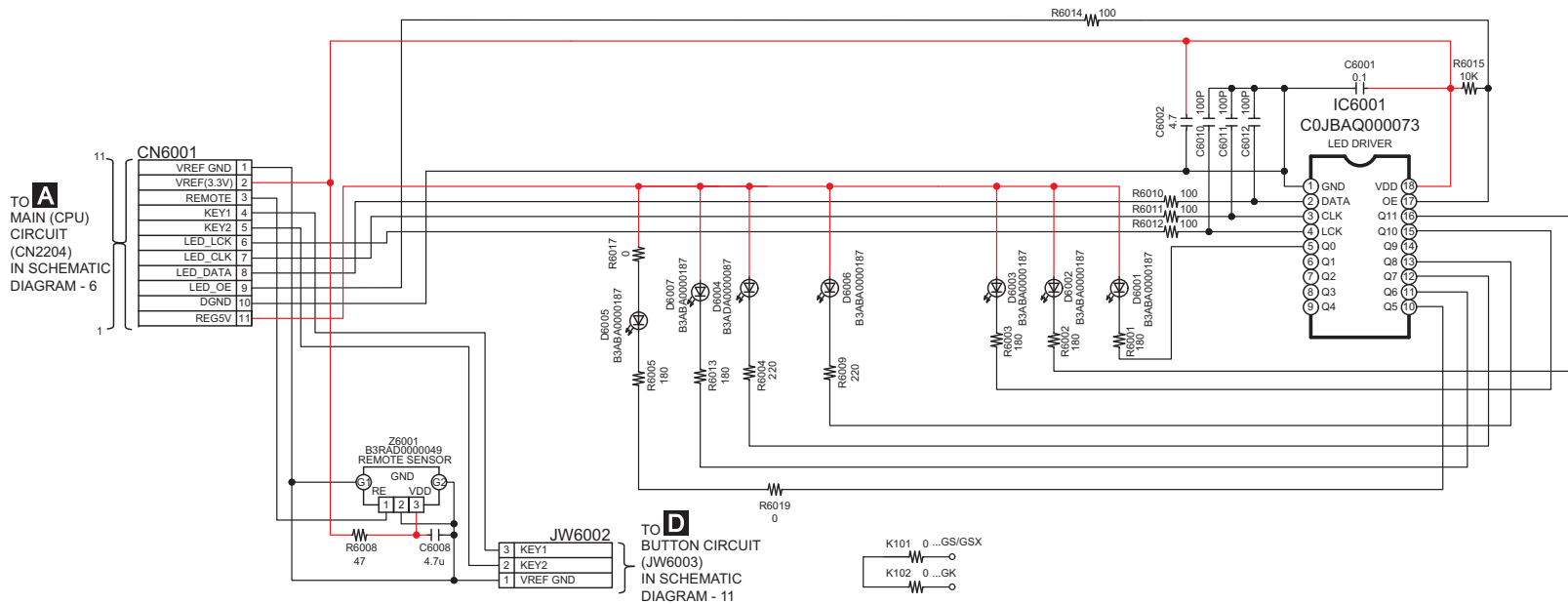


16.2.11. PANEL / BUTTON / POWER BUTTON / WIRELESS ADAPTER CIRCUIT

SCHEMATIC DIAGRAM - 11

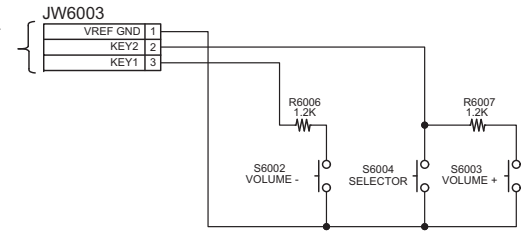
C PANEL CIRCUIT

— : +B SIGNAL LINE



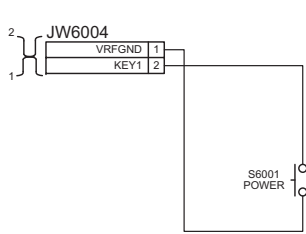
D BUTTON CIRCUIT

TO C
PANEL CIRCUIT
(JW6002)
IN SCHEMATIC
DIAGRAM - 11



E POWER BUTTON CIRCUIT

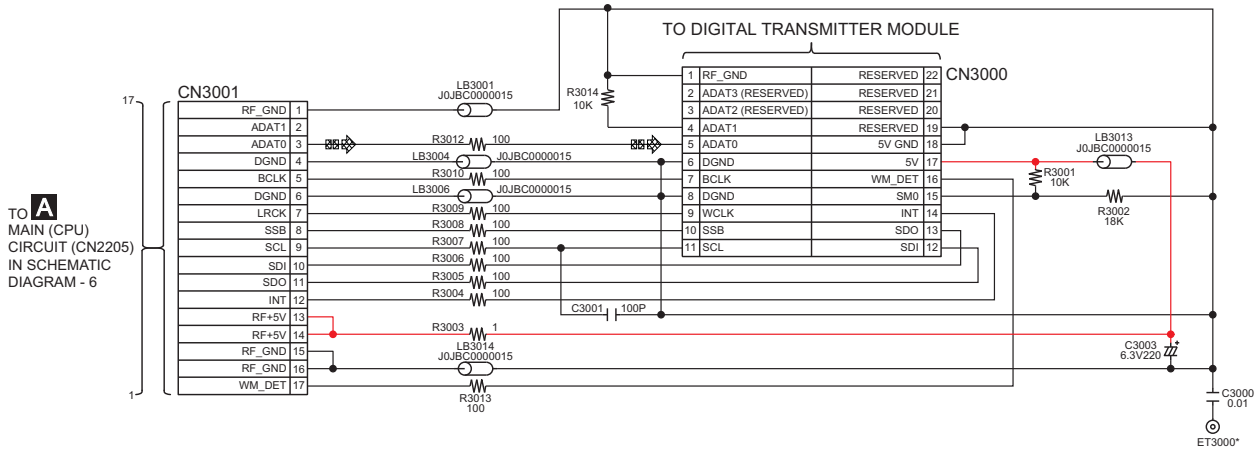
TO A
MAIN (CPU)
CIRCUIT (CN2206)
IN SCHEMATIC
DIAGRAM - 6



F WIRELESS ADAPTER CIRCUIT

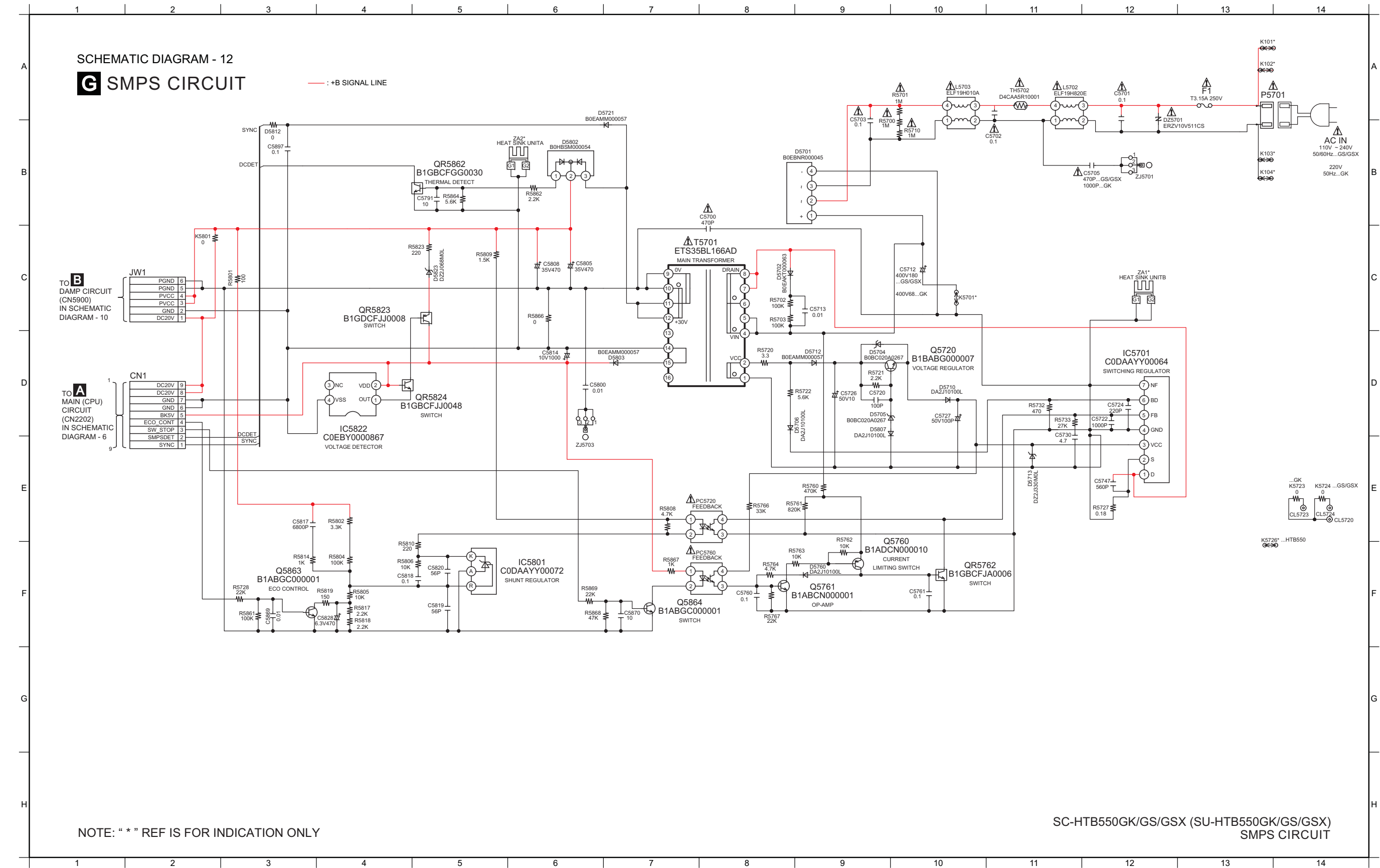
— : +B SIGNAL LINE

— : AUDIO OUTPUT SIGNAL LINE



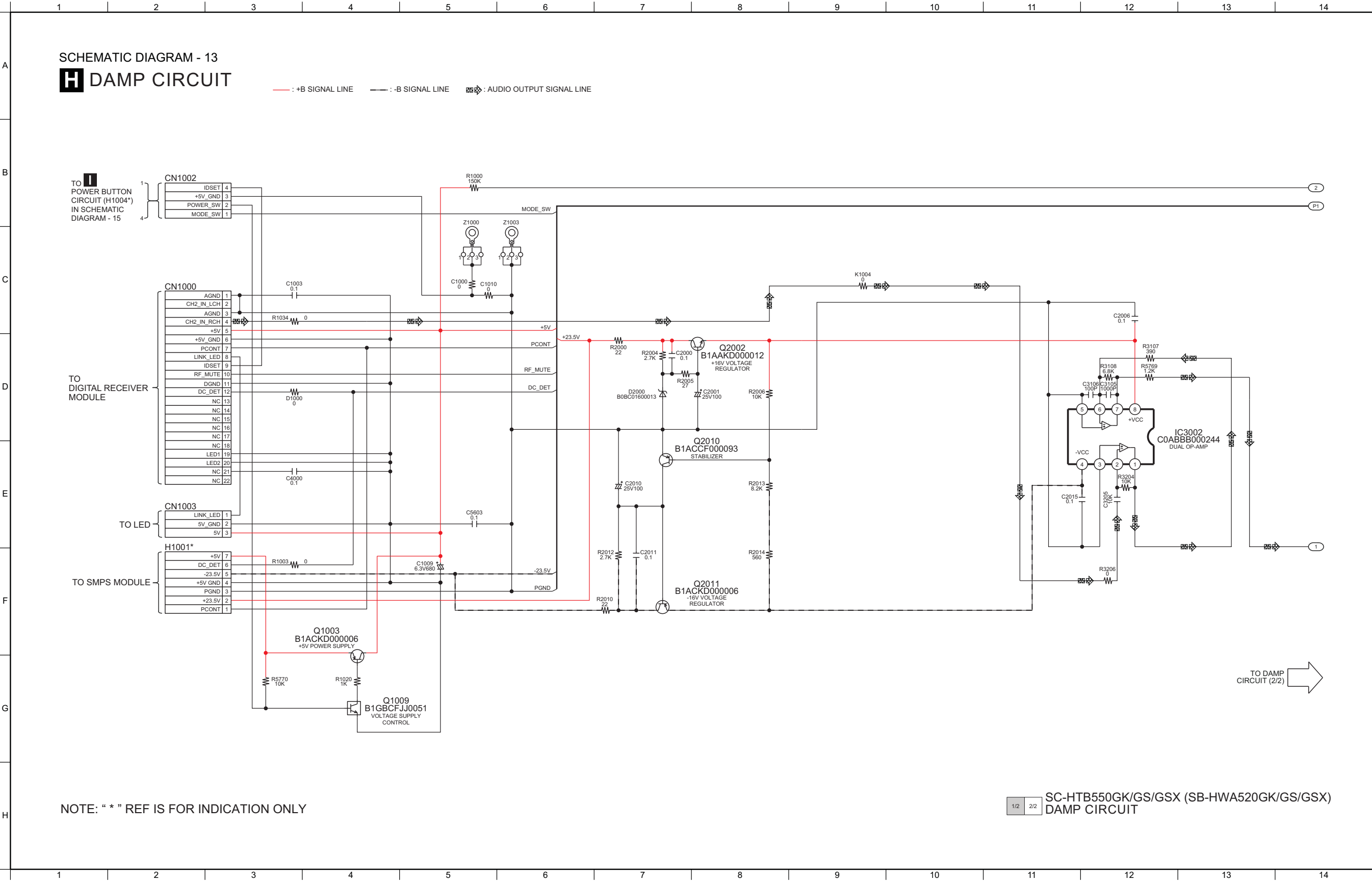
SC-HTB550GK/GS/GSX (SU-HTB550GK/GS/GSX)
PANEL / BUTTON / POWER BUTTON / WIRELESS ADAPTER CIRCUIT

16.2.12. SMPS CIRCUIT



16.3. Active Subwoofer (SB-HWA520)

16.3.1. DAMP CIRCUIT (1/2)

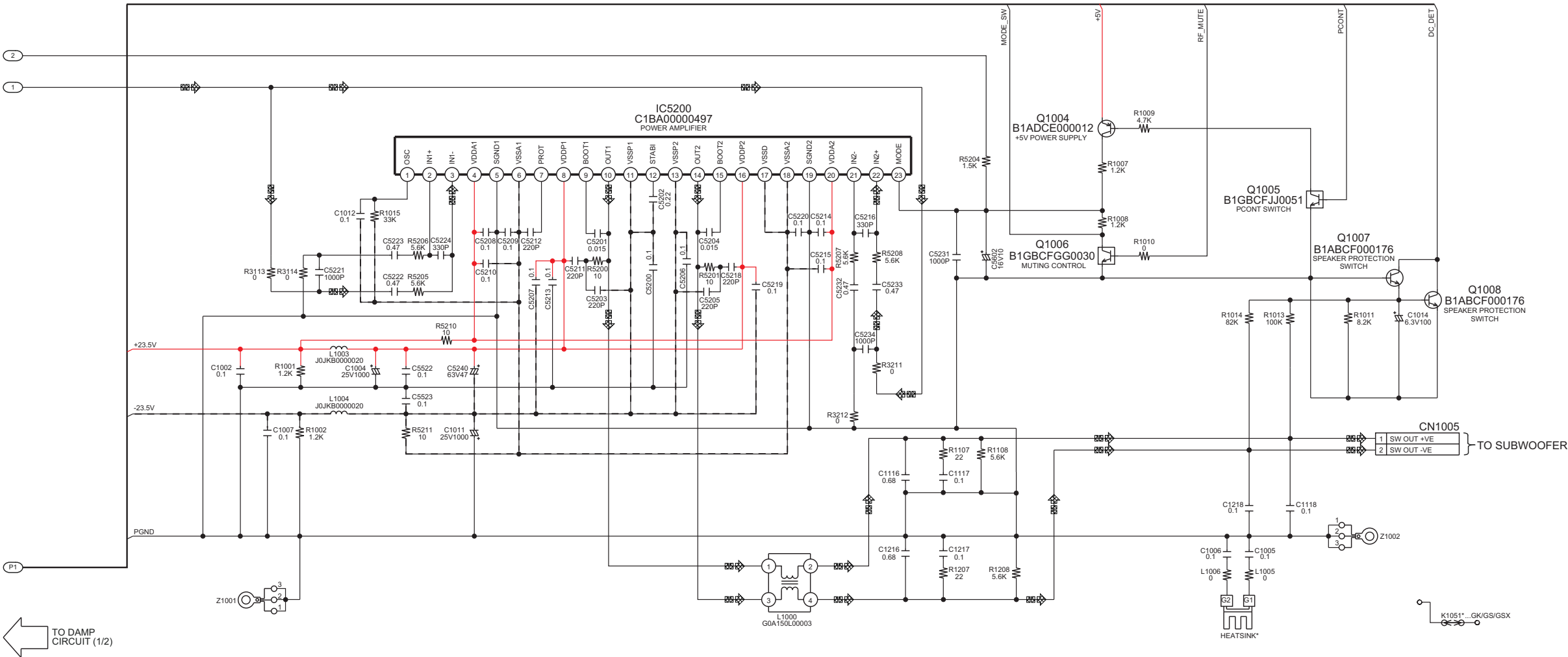


16.3.2. DAMP CIRCUIT (2/2)

SCHEMATIC DIAGRAM - 14

H DAMP CIRCUIT

— : +B SIGNAL LINE — : -B SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE



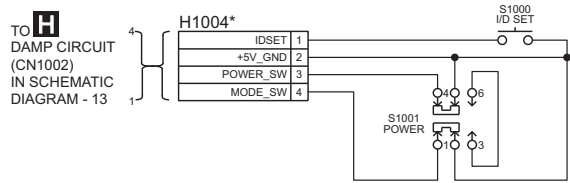
NOTE: " * " REF IS FOR INDICATION ONLY

1/2 2/2 SC-HTB550GK/GS/GSX (SB-HWA520GK/GS/GSX)
DAMP CIRCUIT

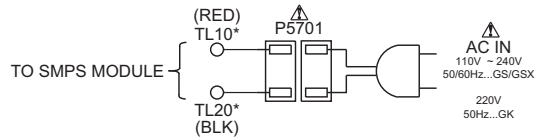
16.3.3. POWER BUTTON & AC INLET CIRCUIT

SCHEMATIC DIAGRAM - 15

I POWER BUTTON CIRCUIT



J AC INLET CIRCUIT



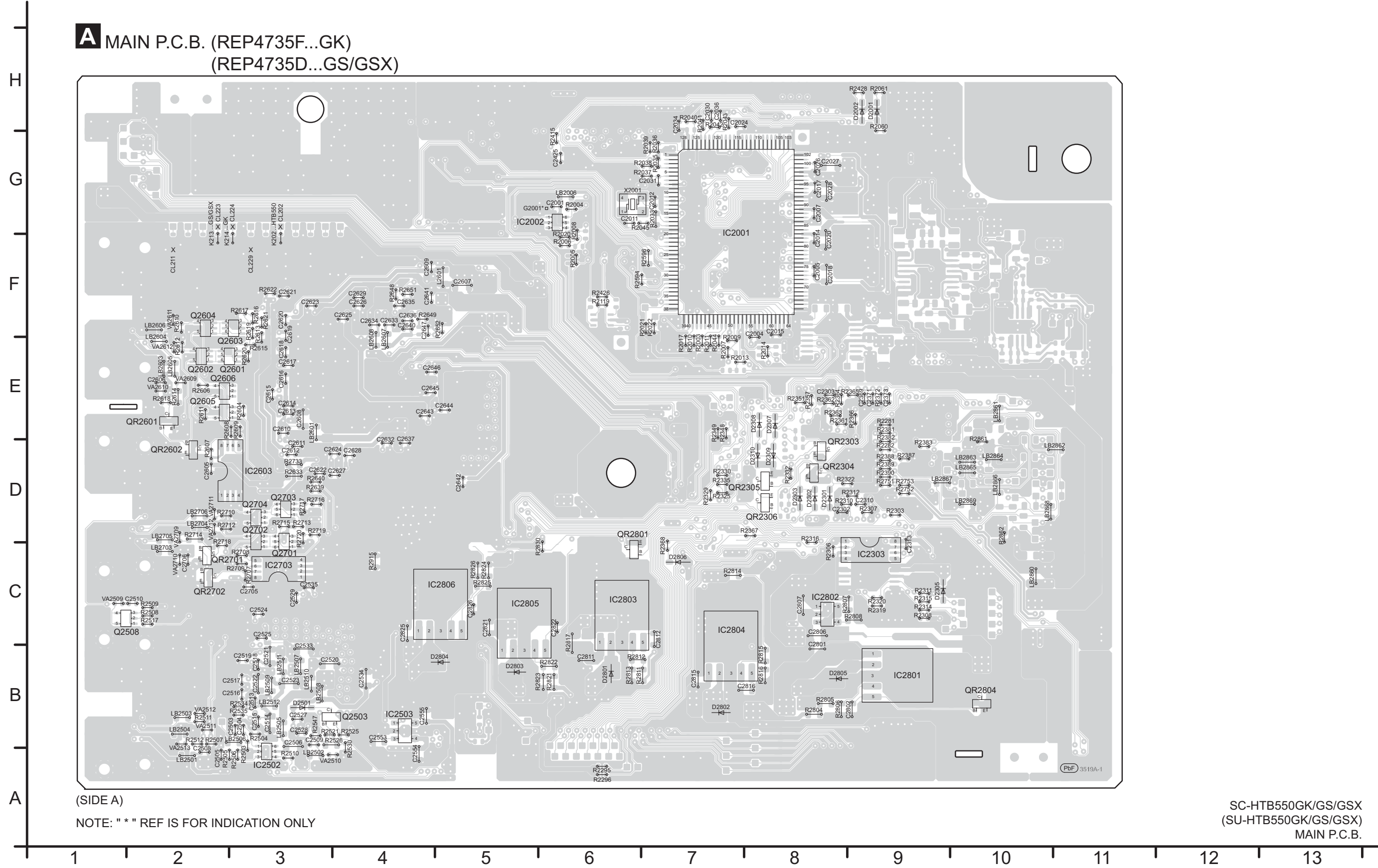
NOTE: “ * ” REF IS FOR INDICATION ONLY

SC-HTB550GK/GS/GSX (SB-HWA520GK/GS/GSX)
POWER BUTTON / AC INLET CIRCUIT

17 Printed Circuit Board

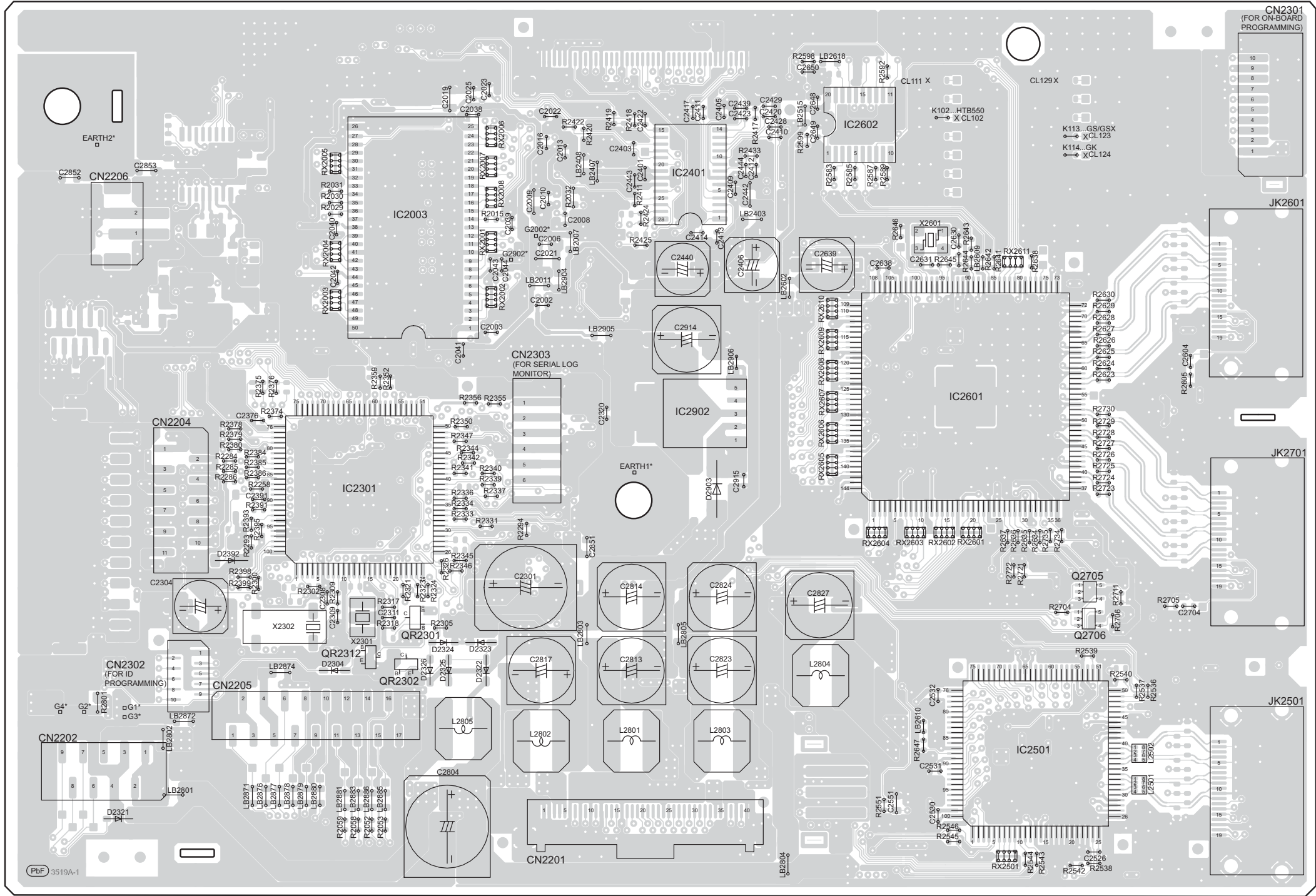
17.1. Main Unit (SU-HTB550)

17.1.1. MAIN P.C.B. (Side A)



17.1.2. MAIN P.C.B. (Side B)

A MAIN P.C.B. (REP4735F...GK)
(REP4735D...GS/GSX)



HDMI AV IN
(AUX1 (HDMI2))

HDMI AV IN
(BD/DVD (HDMI1))

HDMI AV OUT
(TV (ARC))

(SIDE B)
NOTE: " * " REF IS FOR INDICATION ONLY

SC-HTB550GK/GS/GSX
(SU-HTB550GK/GS/GSX)
MAIN P.C.B.

A vertical scale with labels A, B, C, D, E, F, G, H from bottom to top.

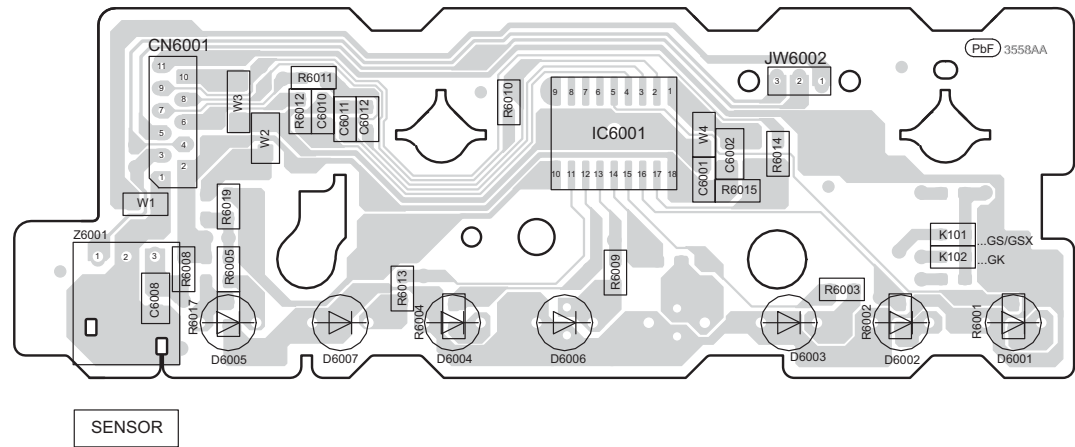
NOTE: " * " REF IS FOR INDICATION ONLY



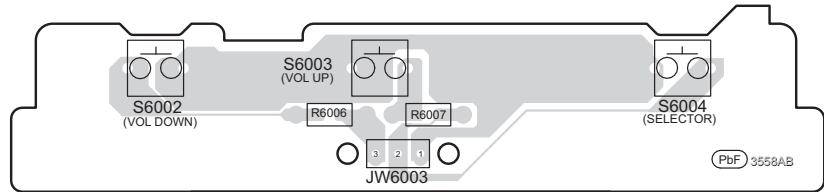
SC-HTB550GK/GS/GSX
(SU-HTB550GK/GS/GSX)
DAMP P.C.B.

17.1.4. PANEL / BUTTON / POWER BUTTON / WIRELESS ADAPTER P.C.B.

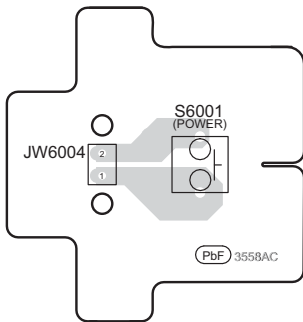
C PANEL P.C.B. (REP4792CA...GK)
(REP4792BA...GS/GSX)



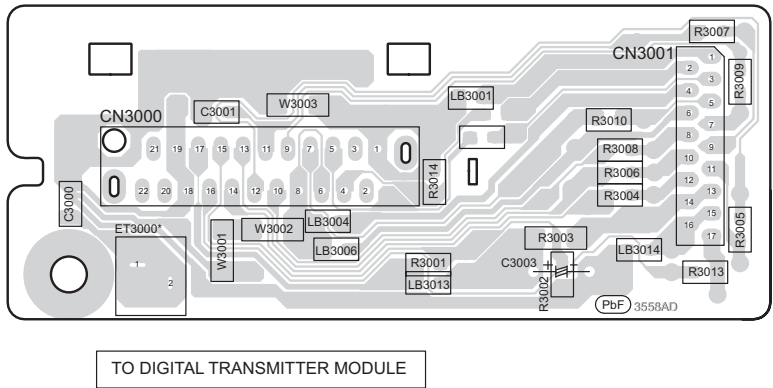
D BUTTON P.C.B. (REP4792CB...GK)
(REP4792BB...GS/GSX)



E POWER BUTTON P.C.B. (REP4792CC...GK)
(REP4792BC...GS/GSX)



F WIRELESS ADAPTER P.C.B. (REP4792CD...GK)
(REP4792BD...GS/GSX)



NOTE: " * " REF IS FOR INDICATION ONLY

SC-HTB550GK/GS/GSX (SU-HTB550GK/GS/GSX)
PANEL / BUTTON / POWER BUTTON / WIRELESS ADAPTER P.C.B.

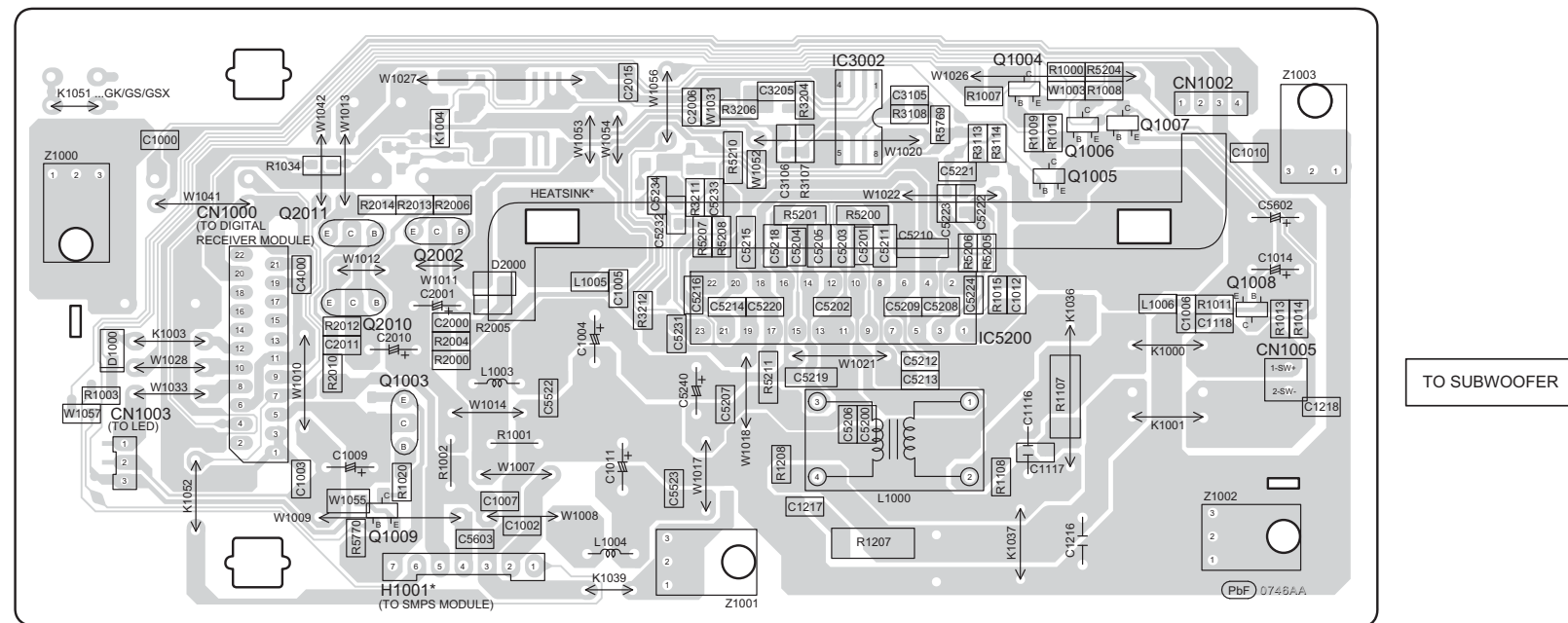
A vertical number line with tick marks labeled A, B, C, D, E, F, G, and H from bottom to top.

CAUTION
RISK OF ELECTRIC SHOCK
AC VOLTAGE LINE.
PLEASE DO NOT TOUCH THIS P.C.B

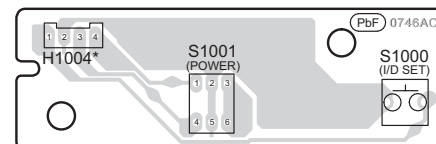
SC-HTB550GK/GS/GSX (SU-HTB550GK/GS/GSX)
SMPS P.C.B.

17.2.1. DAMP / POWER BUTTON / AC INLET P.C.B.

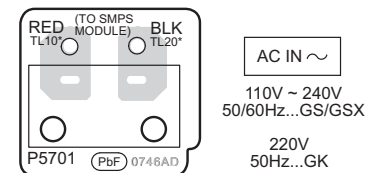
H DAMP P.C.B. (REP4806BA)



I POWER BUTTON P.C.B. (REP4806BC)



J AC INLET P.C.B. (REP4806BD)



NOTE: " * " REF IS FOR INDICATION ONLY.

SC-HTB550GK/GS/GSX (SB-HWA520GK/GS/GSX)
DAMP / POWER BUTTON / AC INLET P.C.B.

18 Appendix Information of Schematic Diagram

18.1. Voltage Measurement & Waveform Chart

Note:

- Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard.
- Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.
- Circuit voltage and waveform described herein shall be regarded as reference information when probing defect point because it may differ from actual measuring value due to difference of Measuring instrument and its measuring condition and product itself.

18.1.1. Main Unit (SU-HTB550)

18.1.1.1. MAIN P.C.B. (1/6)

REF NO.	IC2001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HDMI	0	0	3.4	0	0	0	0	1.5	3.4	0	0	0	0	3.4	0	0	0	0	0	1.7
STANDBY	0	0	3.4	0	0	0	0	1.5	3.4	0	0	0	0	3.4	0	0	0	0	0	1.7

REF NO.	IC2001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
HDMI	3.4	1.9	0	0	0	0	0.3	3.4	1.7	1.7	0	1.7	1.6	0.3	0.3	3.4	3.4	0.1	0	1.6
STANDBY	3.4	1.9	0	0	0	0	0.3	3.4	1.7	1.7	0	1.7	1.6	0.3	0.3	3.4	3.4	0.1	0	1.6

REF NO.	IC2001																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
HDMI	0	1.8	0	1.7	0	1.7	0	0.9	0	3.4	1.7	0	0	1.7	1.8	0	3.3	3.3	3.3	3.3
STANDBY	0	1.8	0	1.7	0	1.7	0	0.9	0	3.4	1.7	0	0	1.7	1.8	0	3.3	3.3	3.3	3.3

REF NO.	IC2001																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
HDMI	3.3	3.4	3.3	3.2	1.3	3.4	0	3.2	3.3	3.3	3.3	3.3	3.3	0	0	0	0	0	1.9	0
STANDBY	3.3	3.4	3.3	3.2	1.3	3.4	0	3.2	3.3	3.3	3.3	3.3	3.3	0	0	0	0	0	1.9	0

REF NO.	IC2001																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
HDMI	3.4	0	1.8	0	0	0	0	0	0	0	0	0	1.6	0	0	0	0	0	3.4	0
STANDBY	3.4	0	1.8	0	0	0	0	0	0	0	0	0	1.6	0	0	0	0	0	3.4	0

REF NO.	IC2001																			
MODE	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
HDMI	0	0	0	0	0	0	3.4	3.4	3.4	3.4	0	1.8	0	0	0	0	0	3.4	3.4	3.4
STANDBY	0	0	0	0	0	0	3.4	3.4	3.4	3.4	0	1.8	0	0	0	0	0	3.4	3.4	3.4

REF NO.	IC2001																			
MODE	121	122	123	124	125	126	127	128												
HDMI	3.2	0	0	3.4	1.7	0	0	0												
STANDBY	3.2	0	0	3.4	1.7	0	0	0												

REF NO.	IC2002																			
MODE	1	2	3	4	5	6														
HDMI	1.7	0	1.5	1.5	3.4	0														
STANDBY	1.7	0	1.5	1.5	3.4	0														

REF NO.	IC2003																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HDMI	3.4	3.3	1.4	0	3.3	3.3	3.4	3.3	3.3	0	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	0	0
STANDBY	3.4	3.4	2.5	0	3.4	3.4	3.4	3.4	3.4	0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0	0

REF NO.	IC2003																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
HDMI	0	0	0	0	3.4	0	0	0	0	0	0	0	0	3.4	1.9	3.4	0	3.4	3.3	3.3
STANDBY	0	0	0	0	3.4	0	0	0	0	0	0	0	0	3.4	1.9	3.4	0	3.4	3.4	3.4

SC-HTB550GK/GS/GSX(SU-HTB550GK/GS/GSX) MAIN P.C.B.

18.1.1.2. MAIN P.C.B. (2/6)

REF NO.	IC2003																			
MODE	41	42	43	44	45	46	47	48	49	50										
HDMI	0	3.1	3.3	3.4	3.3	3.3	0	3.3	3.3	0										
STANDBY	0	3.3	3.4	3.4	3.4	0	0	3.4	3.4	0										
REF NO.	IC2301																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HDMI	0	0	3.1	3.4	3.1	0	0	0.6	1.2	3.2	1.6	0	1.4	3.2	3.2	1.1	0	3.1	3.2	3.2
STANDBY	0	0	3.1	0	3.1	0	0	0.6	1.2	0	1.6	0	1.4	3.2	3.2	1.1	0	3.1	3.2	3.2
REF NO.	IC2301																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
HDMI	3.4	0	2.6	0	3.0	3.3	3.3	3.4	3.2	3.2	0	0	3.3	3.3	3.2	3.2	3.2	0	0	3.2
STANDBY	3.4	3.3	2.6	3.2	3.0	3.3	3.3	3.3	3.2	3.2	0	3.3	3.3	3.1	3.1	0	0	3.2	3.4	3.4
REF NO.	IC2301																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
HDMI	3.4	3.4	3.2	0.9	3.3	3.3	0	3.2	3.2	0	0	0	3.2	0	0	3.4	0	2.5	0	3.2
STANDBY	3.2	0.7	3.3	3.3	0	3.2	3.1	3.2	3.2	0	0	0	3.2	0	0	3.4	0	2.5	0	3.1
REF NO.	IC2301																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
HDMI	0	0	2.8	0	3	0	3.2	3.2	3.4	3.2	3.4	0	3.4	0	0	3.3	3.1	3.2	0.8	0
STANDBY	0	0	2.8	0	3	0	3.2	3.2	3.4	3.2	3.4	0	3.4	0	0	3.2	3.1	3.2	0	1.6
REF NO.	IC2301																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
HDMI	1.6	0	0	3.2	3.2	3.1	2.9	3.1	3.2	2.9	1.6	1.8	0	0	0	3.2	3.2	0	0	0
STANDBY	1.6	0	3.2	3.2	3.1	2.9	3.1	3.1	3.2	3.2	1.6	1.8	3.1	0	0	3.3	3.2	0	0	0
REF NO.	IC2303																			
MODE	1	2	3	4	5	6	7	8												
POWER ON	3.2	3.2	0	0	3.2	3.2	0	3.2												
STANDBY	3.2	3.2	0	0	3.2	3.2	0	3.2												
REF NO.	IC2401																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER ON	0	1.7	0	1.7	0	3.4	0	1.5	3.2	1.7	3.1	1.7	3.1	2.6	0	0	3.2	3.4	3.4	0
STANDBY	0	1.7	0	1.7	0	3.4	0	1.5	3.2	1.7	3.1	1.7	3.1	2.6	0	0	3.2	3.4	3.4	0
REF NO.	IC2401																			
MODE	21	22	23	24	25	26	27	28												
POWER ON	3.4	0	3.4	1.5	1.5	0	1.6	1.7												
STANDBY	3.4	0	3.4	1.5	1.5	0	1.6	1.7												
REF NO.	IC2501																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HDMI	2.6	3.1	3.4	1.7	1.7	3.1	3.1	3.1	3.1	1.7	1.7	1.8	0	3.4	0	0	0	0	0	0
STANDBY	2.6	3.1	3.4	1.7	1.7	3.1	3.1	3.1	3.1	1.7	1.7	1.8	0	3.4	0	0	0	0	0	0

SC-HTB550GK/GS/GSX(SU-HTB550GK/GS/GSX) MAIN P.C.B.

18.1.1.3. MAIN P.C.B. (3/6)

REF NO.	IC2501																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
HDMI	0	0	0	3.4	3.2	0	0	1.8	0	1.8	3.2	3.2	3.3	3.2	0	0.6	1.8	1.8	3.2	3.2
STANDBY	0	0	0	3.4	3.2	0	0	1.8	0	1.8	3.2	3.2	3.3	3.2	0	0.6	1.8	1.8	3.2	3.2
REF NO.	IC2501																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
HDMI	0	1.8	0	3.3	5.0	5.0	5.0	1.0	0.5	0.3	3.0	1.8	3.4	0	1.8	2.5	0.8	0.8	0.8	0.7
STANDBY	0	1.8	0	3.3	5.0	5.0	5.0	1.0	0.5	0.3	3.0	1.8	3.4	0	1.8	2.5	0.8	0.8	0.8	0.7
REF NO.	IC2501																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
HDMI	0.5	0.5	0.8	1.8	0	3.4	0	0	0	0	0.5	0.7	0.7	2.7	1	1.8	1.1	1	1	0
STANDBY	0.5	0.5	0.8	1.8	0	3.4	0	0	0	0	0.5	0.7	0.7	2.7	1	1.8	1.1	1	1	0
REF NO.	IC2501																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
HDMI	1.2	1.8	1.2	2.0	1.2	1.2	0	1.7	3.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	0
STANDBY	1.2	1.8	1.2	2.0	1.2	1.2	0	1.7	3.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	0
REF NO.	IC2502																			
MODE	1	2	3	4	5	6														
POWER ON	1.6	0	1.3	3.1	3.3	1.7														
STANDBY	1.6	0	1.3	3.1	3.3	1.7														
REF NO.	IC2503																			
MODE	1	2	3	4	5															
POWER ON	3.1	0	1.3	5	6.0															
STANDBY	3.1	0	1.3	5	6.0															
REF NO.	IC2601																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER ON	1.6	1.6	1.6	0	1.7	3.4	1.7	1.7	1.7	1.7	0	1.8	1.7	1.7	1.7	1.7	0	3.4	2.6	3.2
STANDBY	1.6	1.6	1.6	0	1.7	3.4	1.7	1.7	1.7	1.7	0	1.8	1.7	1.7	1.7	1.7	0	3.4	2.6	3.2
REF NO.	IC2601																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
POWER ON	3.4	3.4	0	1.8	1.8	3.2	3.2	0	0	5.0	0	3.4	5	5	5	0	1.8	3.4	3.2	3.2
STANDBY	3.4	3.4	0	1.8	1.8	3.2	3.2	0	0	5.0	0	3.4	5	5	5	0	1.8	3.4	3.2	3.2
REF NO.	IC2601																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
POWER ON	0	3.4	3.2	3.2	0	3.4	3.2	3.2	0	3.4	3.2	3.2	0	1.8	0.7	3.4	0.7	0.6	0	3.4
STANDBY	0	3.4	3.2	3.2	0	3.4	3.2	3.2	0	3.4	3.2	3.2	0	1.8	0.7	3.4	0.7	0.6	0	3.4
REF NO.	IC2601																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
POWER ON	0.6	0.6	0	3.4	0.6	0.6	0	3.4	0.6	0.6	0	1.8	0	3.4	0	0	0	1.7	0	1.8
STANDBY	0.6	0.6	0	3.4	0.6	0.6	0	3.4	0.6	0.6	0	1.8	0	3.4	0	0	0	1.7	0	1.8

SC-HTB550GK/GS/GSX(SU-HTB550GK/GS/GSX) MAIN P.C.B.

18.1.1.4. MAIN P.C.B. (4/6)

REF NO.	IC2601																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
POWER ON	3.1	3.1	3.1	3.1	1.7	1.7	0	3.4	1.7	0	1.8	1.8	0	1.7	1.7	3.4	3.4	0	3.1	3.4
STANDBY	3.1	3.1	3.1	3.1	1.7	1.7	0	3.4	1.7	0	1.8	1.8	0	1.7	1.7	3.4	3.4	0	3.1	3.4
REF NO.	IC2601																			
MODE	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
POWER ON	3.4	0	0	3.4	0	0	1.8	2.6	1.3	0	1.1	0	3.3	0	0.7	0	0	0	1.8	0
STANDBY	3.4	0	0	3.4	0	0	1.8	2.6	1.3	0	1.1	0	3.3	0	0.7	0	0	0	1.8	0
REF NO.	IC2601																			
MODE	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
POWER ON	0	0	0	0	3.3	0	0	0	0	0	1.8	0	1.1	1.1	0.8	0	3.4	0	0	0
STANDBY	0	0	0	0	3.3	0	0	0	0	0	1.8	0	1.1	1.1	0.8	0	3.4	0	0	0
REF NO.	IC2601																			
MODE	141	142	143	144																
POWER ON	0	0	0	0																
STANDBY	0	0	0	0																
REF NO.	IC2602																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER ON	1.0	1.7	1.7	1.7	0	1.7	0	0.2	0	0	0	0.2	0	1.7	0	1.7	1.7	1.7	1.0	3.3
STANDBY	1.0	1.7	1.7	1.7	0	1.7	0	0	0	0	0	0	0	1.7	0	1.7	1.7	1.7	1.0	3.3
REF NO.	IC2603																			
MODE	1	2	3	4	5	6	7	8												
POWER ON	0	0	0	0	5.0	5.0	3.3	5.0												
STANDBY	0	0	0	0	5.0	5.0	3.3	5.0												
REF NO.	IC2703																			
MODE	1	2	3	4	5	6	7	8												
POWER ON	0	0	0	0	5.0	0	5.0	5.0												
STANDBY	0	0	0	0	5.0	5.0	5.0	5.0												
REF NO.	IC2801																			
MODE	1	2	3	4	5															
POWER ON	20.5	7.8	0	1.2	2.1															
STANDBY	20.5	7.8	0	1.2	2.1															
REF NO.	IC2802																			
MODE	1	2	3	4	5															
POWER ON	3.2	0	5.0	2.6	5.0															
STANDBY	3.2	0	5.0	2.6	5.0															
REF NO.	IC2803																			
MODE	1	2	3	4	5															
POWER ON	12.0	3.5	0	1.2	2.1															
STANDBY	12.0	3.5	0	1.2	2.1															

SC-HTB550GK/GS/GSX(SU-HTB550GK/GS/GSX) MAIN P.C.B.

18.1.1.5. MAIN P.C.B. (5/6)

REF NO.	IC2804																		
MODE	1	2	3	4	5														
POWER ON	12.0	5	0	1.2	2.1														
STANDBY	12.0	5	0	1.2	2.1														
REF NO.	IC2805																		
MODE	1	2	3	4	5														
POWER ON	8.0	1.9	0	1.2	2.1														
STANDBY	8.0	1.9	0	1.2	2.1														
REF NO.	IC2806																		
MODE	1	2	3	4	5														
POWER ON	8.0	3.4	0	1.2	2.1														
STANDBY	8.0	3.4	0	1.2	2.1														
REF NO.	IC2902																		
MODE	1	2	3	4	5														
POWER ON	3.3	3.3	1.8	0	0														
STANDBY	3.3	3.3	1.8	0	0														
REF NO.	Q2503 Q2508 Q2601																		
MODE	E	C	B		1	2	3	4	5		1	2	3	4	5	6			
HDMI	0	3.4	0		3.2	3.2	3.2	0	0		4.4	0	0.5	3.0	4.4	3.0			
STANDBY	0	3.4	0		3.2	3.2	3.2	0	0		4.4	0	0.5	3.0	4.4	3.0			
REF NO.	Q2602 Q2603 Q2604																		
MODE	1	2	3	4	5		1	2	3	4	5	6		1	2	3	4	5	
HDMI	3.0	0	3.2	3.2	3.2		3.1	0	3.0	3.0	3.2	3.0		3.0	0	3.2	3.2	3.2	
STANDBY	3.0	0	3.2	3.2	3.2		3.1	0	3.0	3.0	3.2	3.0		3.0	0	3.2	3.2	3.2	
REF NO.	Q2705 Q2706 QR2601 QR2602																		
MODE	1	2	3	4	5		1	2	3	4	5		E	C	B		E	C	B
HDMI	1.2	0	1.2	0	5.0		1.2	0	1.2	5.0	3.2		0	5.0	3.1		0	5.0	3.1
STANDBY	1.2	0	1.2	0	5.0		1.2	0	1.2	5.0	3.2		0	5.0	3.1		0	5.0	3.1
REF NO.	QR2701 QR2702																		
MODE	E	C	B		E	C	B												
HDMI	0	4.9	0		0	5.0	0												
STANDBY	0	4.9	0		0	5.0	0												
REF NO.	Q2605 Q2606 Q2701																		
MODE	1	2	3	4	5		1	2	3	4	5		1	2	3	4	5	6	
POWER ON	3.0	0	3.2	3.2	3.2		3.0	0	3.2	3.2	3.2		5.0	0	0	4.7	5.0	4.6	
STANDBY	3.0	0	3.2	3.2	3.2		3.0	0	3.2	3.2	3.2		5.0	0	0	0	0	4.7	
REF NO.	Q2702 Q2703 Q2704																		
MODE	1	2	3	4	5		1	2	3	4	5	6		1	2	3	4	5	
POWER ON	4.7	5.0	4.7	5.0	5.0		4.6	0	4.6	5.0	5.0	0		0	5.0	4.7	0	5.0	
STANDBY	4.7	5.0	4.7	5.0	5.0		4.6	0	4.6	0	5.0	4.6		4.6	5.0	4.6	5.0	5.0	
SC-HTB550GK/GS/GSX(SU-HTB550GK/GS/GSX) MAIN P.C.B.																			

18.1.1.6. MAIN P.C.B. (6/6)

REF NO.	QR2301				QR2302				QR2303				QR2304				QR2305			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
POWER ON	0	3.1	0		0	3.1	0		0	0	3.2		0	0	3.2		3.2	0	3.2	
STANDBY	0	3.1	0		0	3.1	0		0	0	3.2		0	0	3.2		3.2	0	3.2	
REF NO.	QR2306				QR2312				QR2801				QR2804							
MODE	E	C	B		E	C	B		E	C	B		E	C	B					
POWER ON	0	0	3.3		0	0	13.5		0	0	3.2		0	2.0	0					
STANDBY	0	0	3.3		0	0	13.5		0	0	3.2		0	2.0	0					
SC-HTB550GK/GS/GSX(SU-HTB550GK/GS/GSX) MAIN P.C.B.																				

18.1.1.7. DAMP P.C.B. (1/2)

REF NO.	IC5204																			
MODE	1	2	3	4	5	6														
POWER ON	3.4	0	0	0	3.3	0														
STANDBY	3.4	0	0	0	3.3	0														
REF NO.	IC5205																			
MODE	1	2	3	4	5															
POWER ON	3.3	0	0	3.4	3.4															
STANDBY	3.3	0	0	3.4	3.4															
REF NO.	IC5300																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER ON	12.0	3.2	0	0	0	0.5	3.4	0.5	1.1	0	0	0	0	0	0	0.5	3.4	0.5	0	0
STANDBY	12.0	3.2	0	0	0	0.5	3.4	0.5	1.1	0	0	0	0	0	0	0.5	3.4	0.5	0	0
REF NO.	IC5300																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
POWER ON	12.0	12.0	12.0	21.2	0	20.5	20.5	21.2	0	0	21.4	20.5	21.2	21.2	20.5	21.4	0	0	21.4	20.5
STANDBY	12.0	12.0	12.0	21.2	0	20.5	20.5	21.2	0	0	21.4	20.5	21.2	21.2	20.5	21.4	0	0	21.4	20.5
REF NO.	IC5300																			
MODE	41	42	43	44																
POWER ON	20.5	0	21.2	12																
STANDBY	20.5	0	21.2	12																
REF NO.	IC5301																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER ON	0	3.3	0	0	0	0	1.5	1.7	3.3	0	0	3.2	0	1.7	3.3	0	1.5	1.5	1.5	0
STANDBY	0	3.3	0	0	0	0	1.5	1.7	3.3	0	0	3.2	0	1.7	3.3	0	1.5	1.5	1.5	0
REF NO.	IC5301																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
POWER ON	1.7	1.7	1.7	0.1	1	0	0	3.3	3.3	1.7	1.7	0	0	0	0	0	3.4	3.4	3.4	1.7
STANDBY	1.7	1.7	0	0	0	0	0	3.3	3.3	1.7	1.7	0	0	0	0	0	3.4	3.4	3.4	1.7
REF NO.	IC5301																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
POWER ON	1.7	0	0	3.3	1.7	1.7	1.7	1.7	0	0	0	0	0	3.3	0	0	0	0	0	0
STANDBY	1.7	0	0	3.3	1.7	1.7	1.7	1.7	0	0	0	0	0	3.3	0	0	0	0	0	0
REF NO.	IC5301																			
MODE	61	62	63	64																
POWER ON	0	0	0	0																
STANDBY	0	0	0	0																
REF NO.	IC5801																			
MODE	1	2	3	4	5															
POWER ON	20.5	12	0	1.2	2.2															
STANDBY	20.5	12	0	1.2	2.2															

SC-HTB550GK/GS/GSX(SU-HTB550GK/GS/GSX) DAMP P.C.B.

18.1.1.8. DAMP P.C.B. (2/2)

REF NO. MODE	Q5801				Q5802				Q5803				Q5804				Q5805			
	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
POWER ON	0	3.1	0		0	3.1	0		20.5	0	19.1		21.2	19.6	21.2		21.2	19.1	21.2	
STANDBY	0	3.1	0		0	0	0		20.5	0	19.1		21.2	19.6	21.2		21.2	19.1	21.2	

SC-HTB550GK/GS/GSX(SU-HTB550GK/GS/GSX) DAMP P.C.B.

18.1.1.9. PANEL P.C.B.

REF NO. MODE	IC6001																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
POWER ON	0	3.1	3.1	3.0	3.8	1.2	1.1	1.1	1.1	3.7	0.6	3.9	3.9	3.2	0.7	3.8	0	3.2		
STANDBY	0	3.1	3.1	3.0	3.8	1.2	1.1	1.1	1.1	3.7	0.6	3.9	3.9	3.2	0.7	3.8	0	3.2		
SC-HTB550GK/GS/GSX(SU-HTB550GK/GS/GSX) PANEL P.C.B.																				

SC-HTB550GK/GS/GSX(SU-HTB550GK/GS/GSX) PANEL P.C.B.

18.1.1.10. SMPS P.C.B.

REF NO. MODE	IC5701																			
	1	2	3	4	5	6	7													
POWER ON	159.3	0	7.0	0	0.1	7.8	0													
STANDBY	159.3	0	7.0	0	0.1	7.8	0													
REF NO. MODE	IC5801																			
	K	A	R																	
POWER ON	18.3	0	2.5																	
STANDBY	18.3	0	2.5																	
REF NO. MODE	IC5822																			
	1	2	3	4																
POWER ON	4.5	4.5	0	0																
STANDBY	4.5	4.5	0	0																
REF NO. MODE	Q5720				Q5760				Q5761				Q5863				Q5864			
	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
POWER ON	6.9	7.8	6.9		0	7.0	7.2		0	7.0	7.2		0	0.9	0		0	4	0	
STANDBY	6.9	7.8	6.9		0	7.0	7.2		0	7.0	7.2		0	0.9	0		0	4	0	
REF NO. MODE	QR5762				QR5823				QR5824				QR5862							
	E	C	B		E	C	B		E	C	B		E	C	B					
POWER ON	0	0	7.0		13.9	4.6	13.7		4.5	13.7	4.5		0	3.1	0					
STANDBY	0	0	7.0		13.9	4.6	13.7		4.5	13.7	4.5		0	3.1	0					
SC-HTB550GK/GS/GSX(SU-HTB550GK/GS/GSX) SMPS P.C.B.																				

SC-HTB550GK/GS/GSX(SU-HTB550GK/GS/GSX) SMPS P.C.B.

18.1.2. Active Subwoofer (SB-HWA520)

18.1.2.1. DAMP P.C.B.

REF NO.	IC3002																			
MODE	1	2	3	4	5	6	7	8												
HDMI	1	0	0	-15.1	0	0	0	15.8												
STANDBY	1	0	0	-15.1	0	0	0	15.8												

REF NO.	IC5200																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HDMI	2.5	0	0	22.8	0	-22.7	-14.2	23.1	9.0	0	-22.9	-12.8	-22.9	0	9.0	23.1	-22.7	-22.7	0	22.8
STANDBY	2.5	0	0	22.8	0	-22.7	-14.2	23.1	9.0	0	-22.9	-12.8	-22.9	0	9.0	23.1	-22.7	-22.7	0	22.8

REF NO.	IC5200																			
MODE	21	22	23																	
HDMI	7.7	0	4.9																	
STANDBY	7.7	0	4.9																	

REF NO.	Q1003				Q1004				Q1005				Q1006				Q1007			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
POWER ON	5.1	5.0	4.3		4.6	4.7	0		0	0	2.9		0	4.3	3.3		0	2.5	0	
STANDBY	5.1	5.0	4.3		4.6	4.7	4.2		0	0	2.9		0	4.3	3.3		0	2.5	0	

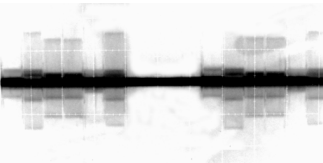
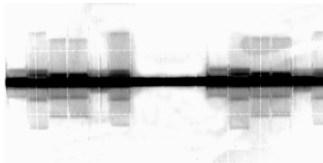
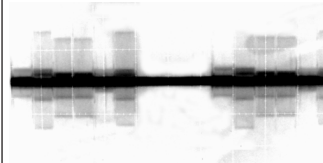
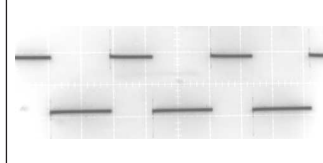
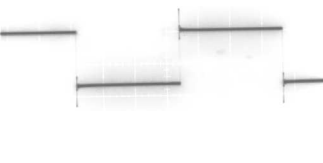
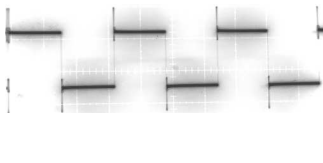
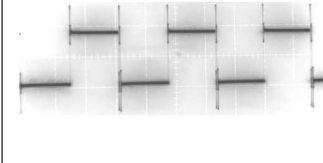
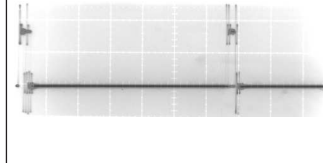
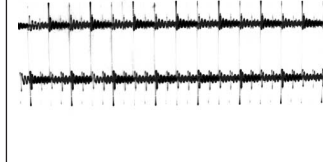
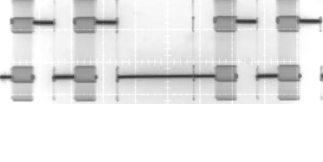
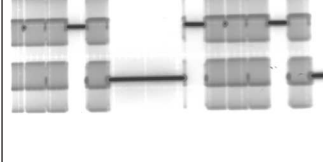
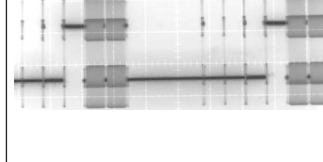
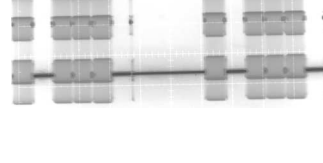
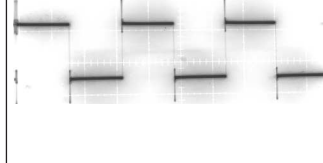
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MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
POWER ON	0	2.6	0		0	2.8	0		15.8	22.9	16.4		0	-15.7	-0.6		-15.1	-22.7	-15.5	
STANDBY	0	2.6	0		0	2.8	0		15.8	22.9	16.4		0	-15.7	-0.6		-15.1	-22.7	-15.5	

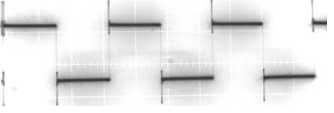
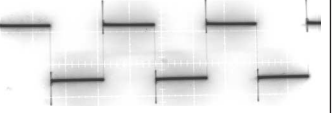
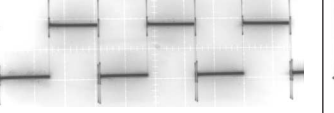
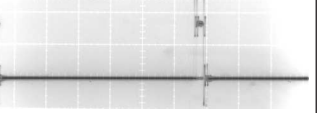
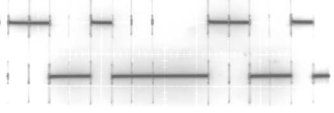
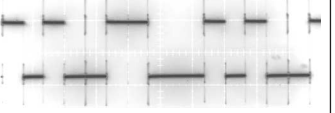
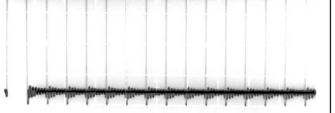
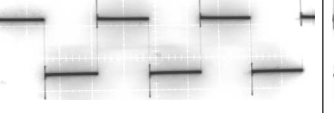
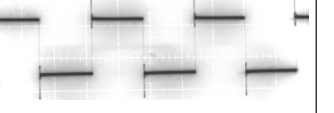
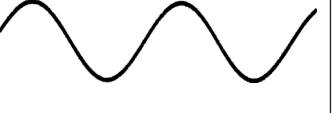
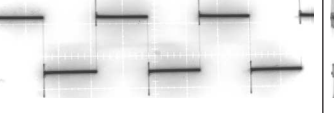
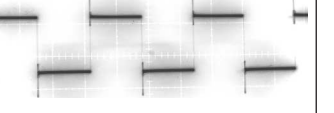
SC-HTB550GK/GS/GSX(SB-HWA520GK/GS/GSX) DAMP P.C.B.

18.1.3. Waveform Chart

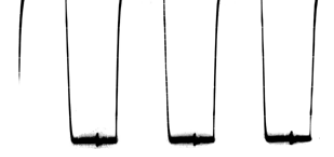
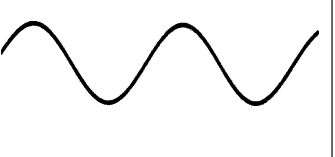
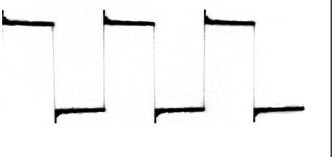
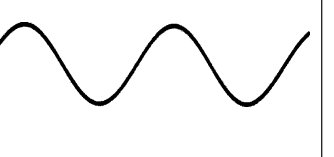
18.1.3.1. Main Unit (SU-HTB550)

WF No. IC2001-17 (PLAY) 0.45Vp-p(20nsec/div)	WF No. IC2001-27 (PLAY) 5Vp-p(1usec/div)	WF No. IC2001-34 (PLAY) 4Vp-p(1usec/div)	WF No. IC2001-48 (PLAY) 6Vp-p(2usec/div)
WF No. IC2001-51 (PLAY) 6Vp-p(1usec/div)	WF No. IC2301-8 (PLAY) 1Vp-p(10usec/div)	WF No. IC2301-9 (PLAY) 2.5Vp-p(10usec/div)	WF No. IC2301-11 (PLAY) 3.5Vp-p(100nsec/div)
WF No. IC2301-13 (PLAY) 2.2Vp-p(100nsec/div)	WF No. IC2401-10 (PLAY) 8Vp-p(1usec/div)	WF No. IC2401-26 (PLAY) 4Vp-p(1usec/div)	WF No. IC2501-4 (PLAY) 3Vp-p(200nsec/div)
WF No. IC2501-9 (PLAY) 3Vp-p(500nsec/div)	WF No. IC2501-56 (PLAY) 5Vp-p(5usec/div)	WF No. IC2501-57 (PLAY) 5Vp-p(5usec/div)	WF No. IC2501-58 (PLAY) 5Vp-p(5usec/div)
WF No. IC2501-59 (PLAY) 5Vp-p(5usec/div)	WF No. IC2501-60 (PLAY) 5Vp-p(5usec/div)	WF No. IC2501-61,63 (PLAY) 5Vp-p(5usec/div)	WF No. IC2501-62 (PLAY) 5Vp-p(5usec/div)
SC-HTB550GK/GS/GSX(SU-HTB550GK/GS/GSX)			

WF No. IC2501-67 (PLAY)  1.5Vp-p(5usec/div)	WF No. IC2501-68,69 (PLAY)  0.04Vp-p(5usec/div)	WF No. IC2501-70 (PLAY)  0.024Vp-p(5usec/div)	WF No. IC2501-71 (PLAY)  3Vp-p(10usec/div)
WF No. IC2501-72 (PLAY)  5Vp-p(2usec/div)	WF No. IC2501-73 (PLAY)  5Vp-p(2usec/div)	WF No. IC2501-74,75 (PLAY)  5Vp-p(2usec/div)	WF No. IC2501-77 (PLAY)  5Vp-p(500nsec/div)
WF No. IC2501-78 (PLAY)  5Vp-p(5usec/div)	WF No. IC2501-79 (PLAY)  5Vp-p(5usec/div)	WF No. IC2601-78 (PLAY)  4Vp-p(1usec/div)	WF No. IC2601-81 (PLAY)  4.2Vp-p(500nsec/div)
WF No. IC2601-109 (PLAY)  6Vp-p(5usec/div)	WF No. IC2601-110 (PLAY)  6Vp-p(5usec/div)	WF No. IC2601-111 (PLAY)  6Vp-p(5usec/div)	WF No. IC2601-114 (PLAY)  6Vp-p(5usec/div)
WF No. IC2601-115,117 (PLAY)  6Vp-p(5usec/div)	WF No. IC2601-116 (PLAY)  6Vp-p(5usec/div)	WF No. IC2601-120 (PLAY)  0.06Vp-p(5usec/div)	WF No. IC2601-126 (PLAY)  6Vp-p(10usec/div)
SC-HTB550GK/GS/GSX(SU-HTB550GK/GS/GSX)			

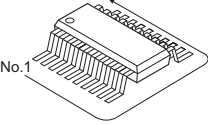
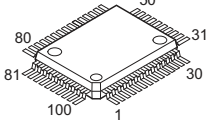
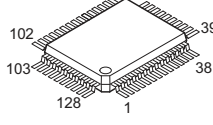
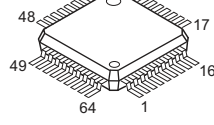
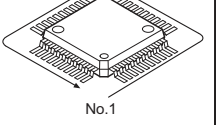
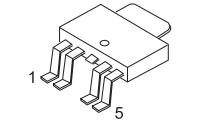
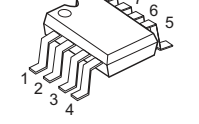
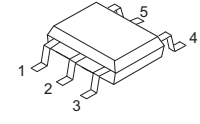
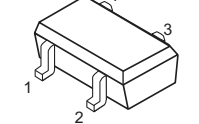
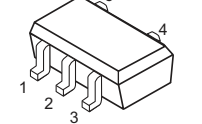
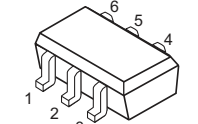
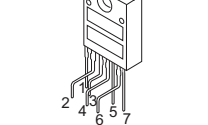
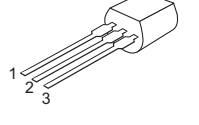
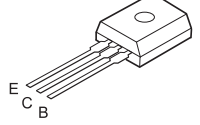
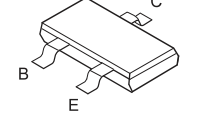
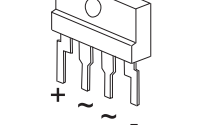
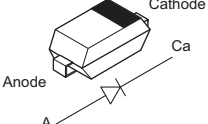
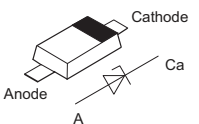
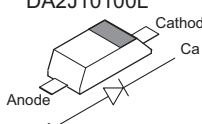
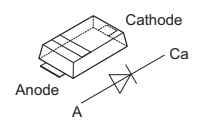
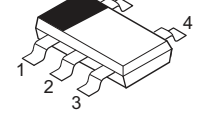
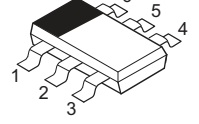
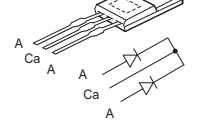
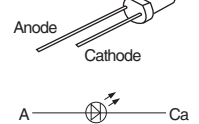
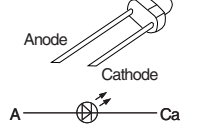
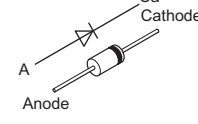
WF No. IC2601-127 (PLAY)  6Vp-p(5usec/div)	WF No. IC2601-128 (PLAY)  6Vp-p(2usec/div)	WF No. IC2601-129,132 (PLAY)  6Vp-p(2usec/div)	WF No. IC2601-133 (PLAY)  6Vp-p(500nsec/div)
WF No. IC2601-134 (PLAY)  6Vp-p(5usec/div)	WF No. IC2601-135 (PLAY)  6Vp-p(5usec/div)	WF No. IC2602-3 (PLAY)  8Vp-p(500nsec/div)	WF No. IC2602-8 (PLAY)  4Vp-p(1usec/div)
WF No. IC2602-12 (PLAY)  7Vp-p(500nsec/div)	WF No. IC2602-17 (PLAY)  3.2Vp-p(1usec/div)	WF No. IC5300-6,8,16,18 (PLAY)  6Vp-p(1usec/div)	WF No. IC5300-28,31,36,39 (PLAY)  28Vp-p(1usec/div)
WF No. IC5301-7 (PLAY)  1.25Vp-p(20nsec/div)	WF No. IC5301-8 (PLAY)  4.4Vp-p(20nsec/div)	WF No. IC5301-40,45,46,47 48 (PLAY)  6.4Vp-p(1usec/div)	WF No. IC5301-41 (PLAY)  6Vp-p(1usec/div)
SC-HTB550GK/GS/GSX(SU-HTB550GK/GS/GSX)			

18.1.3.2. Active Subwoofer (SB-HWA520)

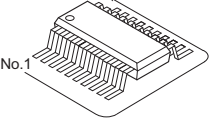
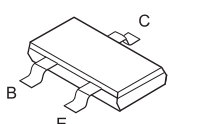
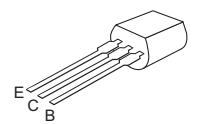
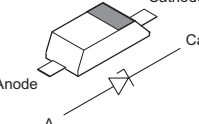
WF No. IC5200-1 (PLAY)  5.6Vp-p(1usec/div)	WF No. IC5200-3 (PLAY)  0.84Vp-p(200usec/div)	WF No. IC5200-10,14 (PLAY)  64Vp-p(1usec/div)	WF No. IC5200-22 (PLAY)  0.84Vp-p(200usec/div)
SC-HTB550GK/GS/GSX(SB-HWA520GK/GS/GSX)			

18.2. Illustration of IC's, Transistors and Diodes

18.2.1. Main Unit (SU-HTB550)

 C0JBAQ000073 (18P) C0JBAZ001466 (20P) C1AB00003174 (28P) C1AB00003217 (44P) C3ABMY000029 (50P)	 C1AB00002975 (100P) RFKWMHTB550P (100P)	 C2HBCY000102 (128P)	 C1AB00003852	 C1AB00002989 (144P)		
 C0CBCAG00015 C0DBAYH00005	 C3EBEY000042	 C0JBAE000302	 C0EBY0000867	 C0CBCDD00004 C0DBEYY00146	 C0JBAB000837 C0JBAB000986 C0JBAR000396	
 C0DAAYY00064	 C0DAAYY00072	 B1BABG000007	 B1ABCF000011 B1ABCF000079	B1ABCN000001 B1ADBL000010 B1ADCN000010 B1ABGC000001 B1GBCFGG00030 B1GBCFJA00006 B1GDCFJJ00008 B1GDCFJJ00048 B1GBCFNN00035		 B0EBNR000045
 B0ECKP000002	 B0BC020A0267	DZ2J033M0L DZ2J056M0L DZ2J068M0L DZ2J075M0L DZ2J150M0L DZ2J270M0L DZ2J330M0L		 B0ACCK000012 B0JCCD000017 B0JCME000105 DA2J10100L	 B0JCPG000032	
 B1CFGD000002	 B1HBCFA00003	 B0HBSM000054	 B3ABA0000187	 B3ADA0000087	 B0EAKT000063 B0EAMM000057	

18.2.2. Active Subwoofer (SB-HWA520)

C0ABBB000244 (8P) C1BA00000497 (24P) 	B1ABCF000176 B1ADCE000012 B1GBCFGG00030 B1GBCFJJ00051 	B1ACKD000006 B1AAKD000012 B1ACCF000093 	B0BC01600013 	
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18.3. Terminal Function of IC's

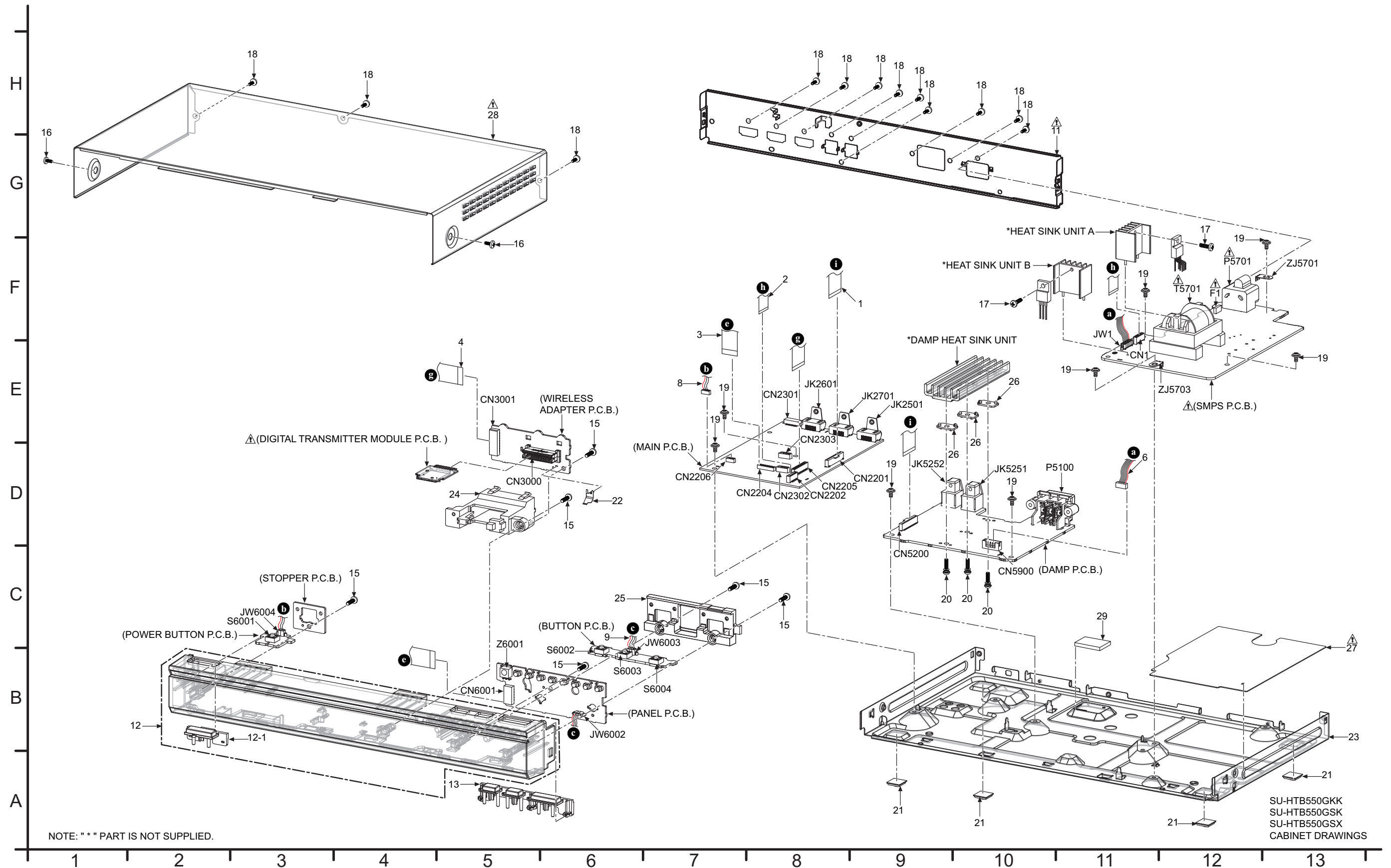
18.3.1. IC2301 (RFKWMHTB550P) MICRO PROCESSOR IC

Pin No.	Mark	I/O	Function
1	FAN_DA	-	No Connection
2	AUX/BT	-	No Connection
3	REMOTE	I	Remocon Serial Input
4	VSYNC_COUNT	I	VSYNC Monitor for Source
5	HDMI_MUTE_DET	-	No Connection
6	BYTE (VSS)	-	VSS
7	CNVSS	-	Ground
8	XCIN	-	Sub clock (For standby mode)
9	XCOUT	-	Sub clock (For standby mode)
10	RESET	I	For on board programming
11	XOUT	-	Main clock
12	VSS	-	VSS
13	XIN	-	Main clock
14	VCC1 (VDET)	-	Main power supply 3.3V
15	CEC I/O	I/O	CEC IN/OUT
16	DSP_IRQ	I	ROHM PWM control
17	NC	-	No Connection
18	AC_SYNC	I	Detection of AC Power fail (Power Fail = L)
19	IDROM/BKROM SDA	I/O	EEPROM for HDMI ID & Backup
20	IDROM/BKROM SCL	I/O	EEPROM for HDMI ID & Backup
21	VALID	I	VALID info of DAMP
22	MUTE_ALL	O	Audio Mute control
23	DAP_MUTE	O	Mute control for DAMP
24	DAP_RESET	O	DAMP RESET
25	HDMI_MUTE_DISABLE	O	HDMI mute disable
26	DAP_PDN	O	DAMP Power down
27	BT_UART_RX	O	BLUETOOTH Receive
28	BT_UART_TX	O	BLUETOOTH Transmit
29	FLASH_TXD	O	For on board programming & Log monitor, Transmit
30	FLASH_RXD	I	For on board programming & Log monitor, Receive
31	Flash_SCLK	I	For on board programming
32	Flash_BUSY	O	For on board programming
33	HDMI_SDA	I/O	HDMI RX/TX control (Serial Data)
34	HDMI_SCL	I/O	HDMI RX/TX control (Serial Clock)
35	LOG_MONI_SW	I	Log monitor switch
36	TX_RESET	-	No Connection
37	RX_RESET	-	No Connection
38	ADC_MS-SL	O	ADC Master Slave Selection Analog mode : ADC mode 3 (master), DIR: slavedigital input, ADC mode 0 (slave), DIR: master
39	Flash_EPM	I	For on board programming
40	HDMI_PCONT	-	No Connection
41	TX_INT	-	No Connection
42	RX_INT	-	No Connection
43	ADC_PDN	O	ADC power down
44	Flash_CE	I	For on board programming
45	DAP_SDA	I/O	DAMP & Jitter less IC Serial Data
46	DAP_SCL	I/O	DAMP & Jitter less IC Serial Clock
47	RX0_WRT_SEL	O	RX0 EDID ROM write enable select (Enable = High)
48	RX0/1_EDID_SCL	O	RX0/1 EDID ROM Serial Clock
49	RX0/1_EDID_SDA	O	RX0/1 EDID ROM Serial Data

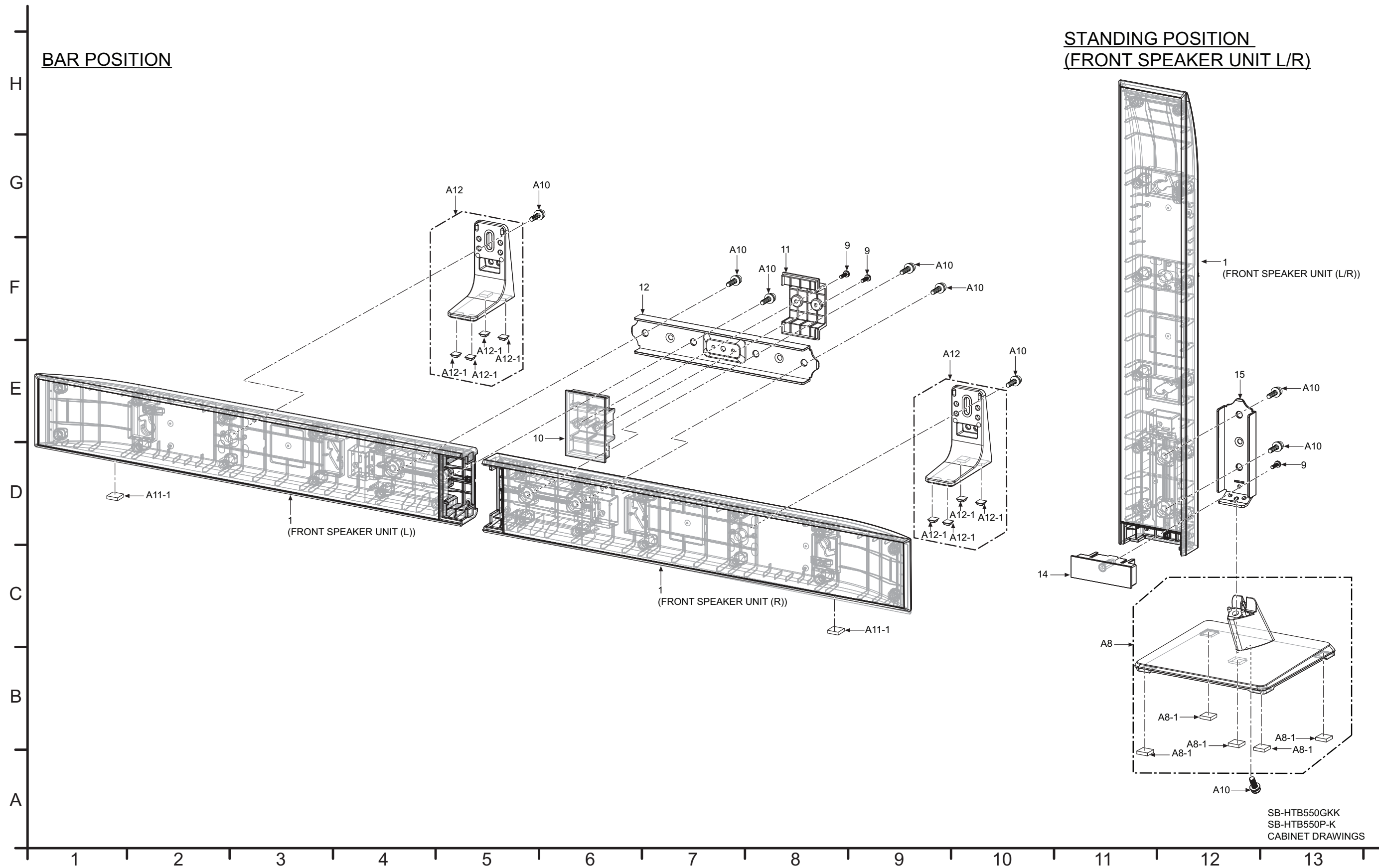
Pin No.	Mark	I/O	Function
50	RX1_WRT_SEL	O	RX1 EDID ROM write enable select (Enable = High)
51	DSP_CLIP	O	PWM control
52	STBY_H	O	Audio output enable control (Enable = Low)
53	RX1_HPD	O	Hot Plug Detect out to HDMI RX1
54	RX0_HPD	O	Hot Plug Detect out to HDMI RX0
55	RX1_5V_DET	I	Detection of connect to HDMI RX1 (Detect = High)
56	RX0_5V_DET	I	Detection of connect to HDMI RX0 (Detect = High)
57	DSP_MODE	O	PWM control (Temperature Control)
58	CS_CODEC	O	DIR control
59	ZERO	I	Detection of digital signal zero
60	VCC2	-	Main power supply 3.3V
61	ECO_PCONT	O	ECO mode control
62	VSS	-	VSS
63	W_SSB	O	Wireless control
64	W_DET	I	Wireless control/Detect
65	5V_DET	I	Diode OR from RX_HPD (Detect = High)
66	TX_HPD	I	Hot Plug Detect of HDMI Sink
67	RESET_CODEC	O	DIR control (Reset)
68	CS_DSP	O	DSP control (Chip Select)
69	BUSY_DSP	I	DSP control (Busy Status)
70	RESET_DSP	O	DSP control (Reset)
71	INTREQ_DSP	I	DSP control (Interrupt Request)
72	NC	-	No Connection
73	INTREQ_CODE C	I	DIR control (Interrupt Request)
74	SD_OUT	O	Shut down output (DC_DET or SD is Active Low)
75	MOSI_DSP	O	DSP control
76	MISO_DSP / SDOUT	I	MISO_DSP OR DT_OUT_CODEC
77	CLK_DSP	O	DIR control (Clock)
78	LED_DATA	O	LED control (Data)
79	LED_CLK	O	LED control (Clock)
80	LED_LCK (CS)	O	LED control (Chip Select)
81	REG1 : AREA	I	Area Code
82	REG2 : MODEL	I	Model Code
83	LED_OE	O	LED control (Enable: L)
84	SD	I	DAMP Overload or Overtemp (Action : PCONT=Low & SD_OUT=High)
85	OTW	I	DAMP Over Temperature
86	DC_DET	I	DAMP & SMPS abnormal detection (Action : PCONT=Low & SD_OUT=High)
87	WS_INT	I	Wireless control (Initialize)
88	PCONT	O	Main power control (Power On = High)
89	KEY2	I	Selector : $V_{ref} * 0.05 \sim 0.0$ Vol UP : $V_{ref} * 0.16 \sim 0.06$
90	KEY1	I	Power : $V_{ref} * 0.05 \sim 0.0$ Vol Down : $V_{ref} * 0.16 \sim 0.06$
91	ECO_LEVEL	I	ECO LEVEL Detection
92	V_CHECK	I	HDMI Voltage Detection
93	S_DET	I	Short Circuit Detection
94	AVSS	-	AVSS
95	NC	-	No Connection
96	VREF	-	ADC power supply
97	AVCC	-	Main power supply 3.3V
98	W_SDI	I	Wireless control (Serial Data In)

Pin No.	Mark	I/O	Function
99	W_SDO	O	Wireless control (Serial Data Out)
100	W_SCL	O	Wireless control (Serial Clock)

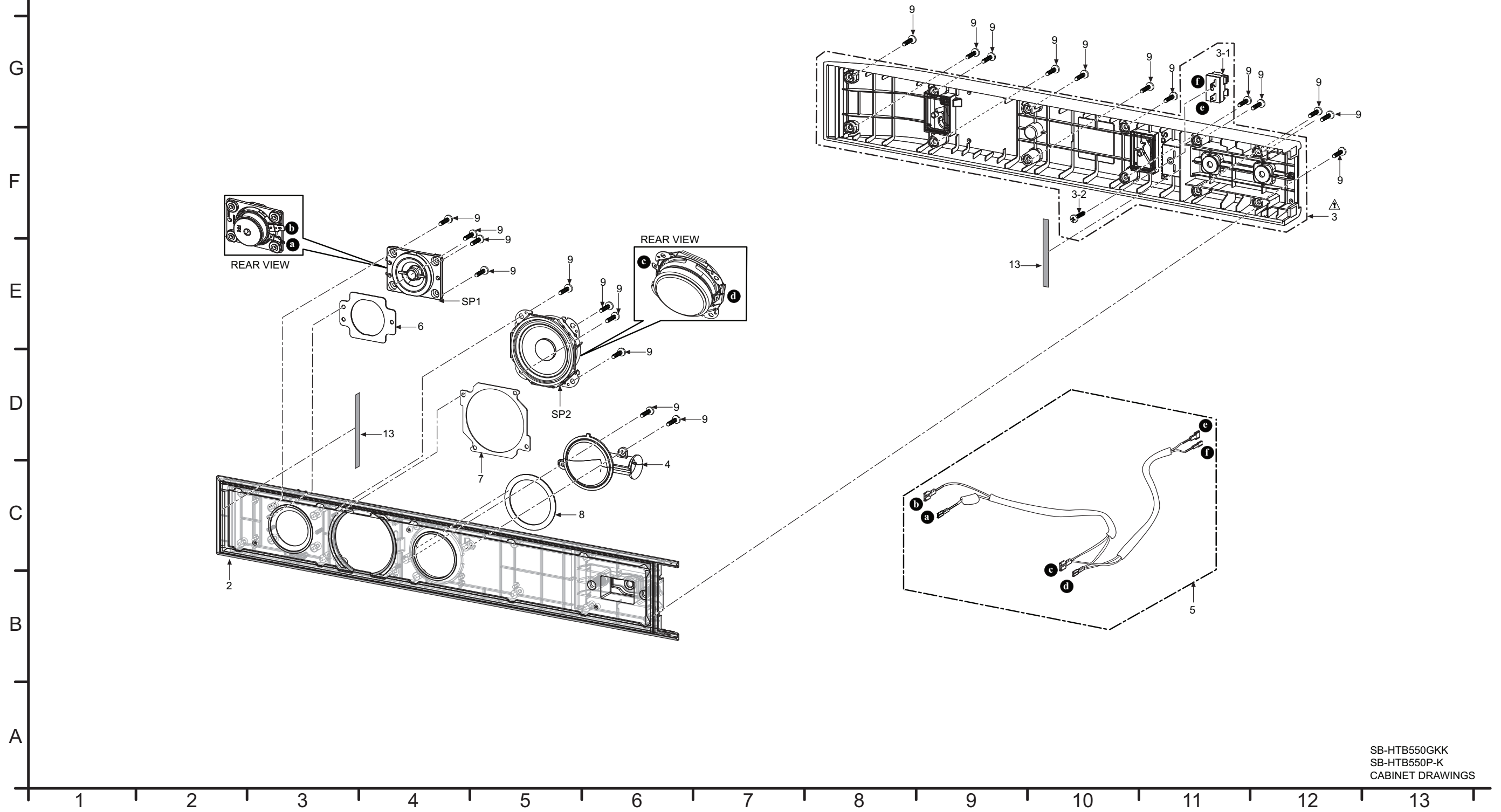
19.1.1. Cabinet Parts Location (SU-HTB550)



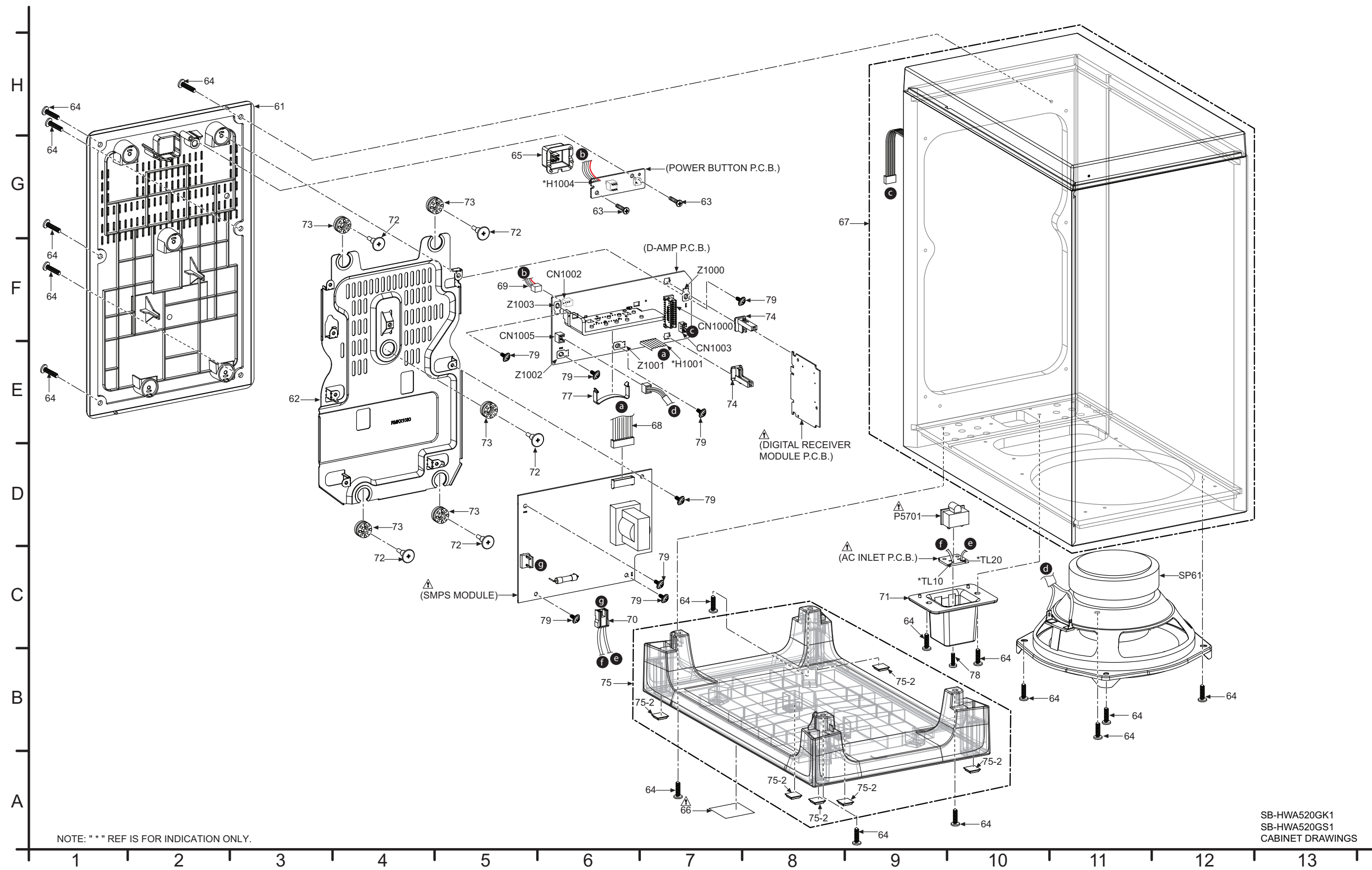
19.1.2. Cabinet Parts Location (SB-HTB550)



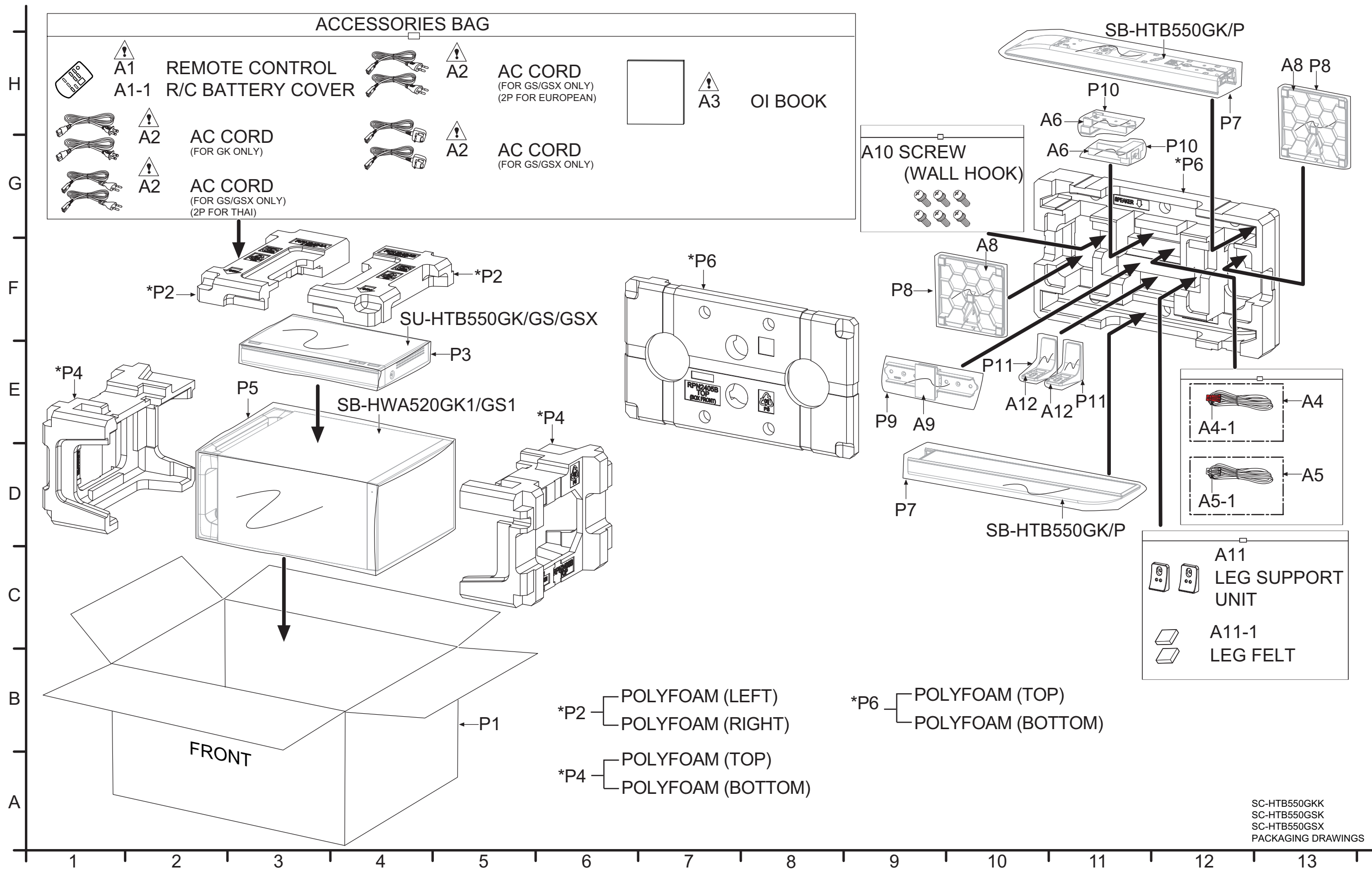
H FRONT SPEAKER UNIT (L/R)



19.1.3. Cabinet Parts Location (SB-HWA520)



19.1.4. Packaging (SC-HTB550)



19.1.5. Mechanical Replacement Parts List

Important Safety Notice

Components identified by  mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

RTL (Retention Time Limited)

Note: The marking (RTL) indicates that the Retention Time is Limited for this item.

After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

Note:

- When replacing any of these components, be sure to use only manufacturer's specified parts shown in the replacement part list.
- The parenthesized indications on the Remarks column specify the destination & product color (Refer to the cover page for the information).
- Parts without these indications shall be used for all areas.
- This product uses a laser diode. Refer to "Precaution of Laser Diode".
- All parts mentioned are supplied by PAVCSG unless indicated likewise.
- Parts mentioned [SPG] in the Remarks column are supplied by PAVC-CSG.
- 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:	Ukraine	Pr:	Portuguese		

19.1.5.1. Main Unit (SU-HTB550)

Safety	Ref. No.	Part No.	Part Name & Description	QTY	Remarks
			CABINET AND CHASSIS		
	1	REE1614	40P FFC (DAMP-MAIN)	1	
	2	REE1623	9P FFC (SMPS-MAIN)	1	
	3	REE1629	11P FFC (PANEL-MAIN)	1	
	4	REE1630	17P FFC (WIRELESS-MAIN)	1	
	6	REX1461	6P CABLE WIRE(SMPS - D-AMP)	1	
	8	REX1469	2P CABLE WIRE (POWER BUTTON - MAIN)	1	
	9	REX1470	3P CABLE WIRE (PANEL - BUTTON)	1	
	11	RGR0423B-F	REAR PANEL	1	GS,GSX
	11	RGR0423B-H	REAR PANEL	1	GK
	12	RYP1694D-K	FRONT PANEL ASSY	1	
	12-1	RGU2774-K	POWER BUTTON	1	
	13	RGU2775-K1	VOLUME BUTTON	1	
	15	RHD26046	SCREW	6	
	16	RHD30007-K2J	SCREW	2	
	17	RHD30102-1	SCREW	2	
	18	RHD30119-S	SCREW	12	
	19	RHD30172	SCREW	8	
	20	RHDX261002	SCREW	3	
	21	RKA0253-H	LEG CUSHION	4	
	22	RM CX1008	WIRELESS GROUND SPRING	1	

Safety	Ref. No.	Part No.	Part Name & Description	QTY	Remarks
	23	RMK0804	BOTTOM CHASSIS	1	
	24	RMQ2001-1	TRANSMITTER HOLDER	1	
	25	RMQ2003-1	VOLUME BUTTON BRACKET	1	
	26	RMZ1105-1	HEAT SINK SPACER	3	
	27	RMZ1264	SMPS INSULATOR BOTTOM	1	
	28	RFKKUHTB350P	TOP PANEL ASS'Y	1	
	29	RSCX1060	RADIATOR SHEET	1	

19.1.5.2. Front Speakers (SB-HTB550)

Safety	Ref. No.	Part No.	Part Name & Description	QTY	Remarks
			CABINET AND CHASSIS		
	1	RFKABHTB550P	SPEAKER UNIT	1	P
	1	RFKABHTB550G	SPEAKER UNIT	1	GK
	2	RFKGBHTB550P	FRONT CABINET ASS'Y	1	
	3	RYQ0955-K	REAR CABINET ASSY	1	P
	3	RYQ0988-K	REAR CABINET ASSY	1	GK
	3-1	K4BC02B00017	TERMINAL	1	
	3-2	XTB3+10JFJK	SCREW	1	
	4	RYQ0885-K	PORT ASS'Y	1	
	5	REX1467	TRANSIT WIRE	1	
	6	RMF0458-J	TWEETER SHEET	1	
	7	RMF0558	EVA PACKING (WOOFER SPEAKER)	1	
	8	RMQ1997	EVA PACKING (PORT ASS'Y)	1	
	9	XTB3+10JFJK	SCREW	25	

Safety	Ref. No.	Part No.	Part Name & Description	QTY	Remarks
	10	RKM0666-K	DOCKING FRONT	1	
	11	RKS0491-K	DOCKING REAR	1	
	12	RML0754	DOCKING ARM	1	
	13	RMF0546	EPT SEALER	2	
	14	RGK2305-K	FRONT ORNAMENT	1	
	15	RML0755-1	SUPPORT ARM	1	
			SPEAKERS		
	SP1	LOAZ03A00014	TWEETER SPEAKER	1	
	SP2	EAS65PL155A	WOOFER SPEAKER	1	

19.1.5.3. Active Subwoofer (SB-HWA520)

Safety	Ref. No.	Part No.	Part Name & Description	QTY	Remarks
			CABINET AND CHASSIS		
	61	RKKX1003-K	REAR PANEL ASS'Y	1	
	62	RMKX1030-1	METAL CHASSIS	1	
	63	RHD26046	SCREW	2	
	64	XTB4+16AFJK	SCREW	16	
	65	RGUX1021-K1	POWER BUTTON	1	
⚠	66	RGN3229-K	SPEC LABEL	1	GS1
⚠	66	RGN3231-K1	SPEC LABEL	1	GK1
	67	RFKHBHWA550E	SPEAKER CABINET ASS'Y	1	
	68	REXX1205	7P CABLE WIRE (D-AMP - SMPS MODULE)	1	
	69	REX1436	4P CABLE WIRE (DAMP-POWER BUTTON)	1	
	70	REEX1265-J	2P WIRE (SMPS MODULE-AC INLET)	1	
	71	RGFX1067A-K	AC COVER	1	
	72	RHDX03001	SCREW	5	
	73	VMG1719	DAMPER	5	
	74	RMNX0224-1	RX PCB HOLDER	2	
	75	RXK0681-3J	BOTTOM PANEL ASS'Y	1	
	75-2	RKA0072-KJ	LEG RUBBER	6	
	77	RMCX0035	HEAT SINK CLIP A	1	
	78	XTB3+10JFJK	SCREW	1	
	79	RHDX301002-J	SCREW	8	
			SPEAKER		
	SP61	LOAA16A00046	WOOFER SPEAKER	1	

19.1.5.4. Packaging & Accessories (SC-HTB550)

Safety	Ref. No.	Part No.	Part Name & Description	QTY	Remarks
			PACKING MATERIALS		
	P1	RPG9865	PACKING CASE	1	GS, GSX
	P1	RPG9867	PACKING CASE	1	GK
	P2	RPN2404-1	POLYFOAM (SU-HTB)	1	
	P3	RPF0610	BAG (MIRAMAT SHEET)	1	
	P4	RPN2406-1	POLYFOAM (SB-HWA)	1	
	P5	RPF0588	MIRAMAT BAG (SB-HWA)	1	
	P6	RPN2405	POLYFOAM (SB-HTB)	1	
	P7	RPF0578	MIRAMAT BAG (SB-HTB)	2	
	P8	RPF0579	MIRAMAT BAG (STAND BASE)	2	
	P9	RPF0580	MIRAMAT BAG (DOCKING UNIT)	1	
	P10	RPF0581	MIRAMAT BAG (FRONT ORNAMENT UNIT)	2	
	P11	RPF0581	MIRAMAT BAG (LEG STAND UNIT)	2	
			ACCESSORIES		
⚠	A1	N2QAYC000064	REMOTE CONTROL	1	
	A1-1	RKK-HTB10GNK	R/C BATTERY COVER	1	
⚠	A2	K2CA2CA00035	AC CORD	2	GK
⚠	A2	K2CP2YY00061	AC CORD (2P FOR THAI)	2	GS, GSX
⚠	A2	K2CQ2CA00006	AC CORD (2P FOR EUROPEAN)	2	GS, GSX
⚠	A2	K2CT2CA00007	AC CORD (3P)	2	GS, GSX
⚠	A3	RQT9667-G	O/I BOOK (En,Cn,Ar)	1	GS, GSX
⚠	A3	RQT9669-K	O/I BOOK (Cn)	1	GK
	A4	REEX1266A	SPK CORD ASSY (RIGHT)	1	
	A4-1	RHQX1002R	SPK CONNECTOR HOUSING (RED)	1	
	A5	REEX1267A	SP CORD ASSY (L)	1	
	A5-1	RHQX1002W	SPK CONNECTOR HOUSING (WHITE)	1	
	A6	RAQ0089-1	FRONT ORNAMENT UNIT	2	
	A8	RAQ0086-1	BASE STAND ASSY	2	
	A8-1	RKAX0028-K	LEG FELT	5	
	A9	RAQ0085	DOCKING UNIT	1	
	A10	XYN5+J14FJK	SCREW (WALL HOOK)	6	
	A11	RYQ0970-K1	LEG SUPPORT UNIT	2	
	A11-1	RKAX0028-K	LEG FELT	2	
	A12	RYQ0853-KJ	LEG STAND UNIT	2	
	A12-1	RKAX0042-K	LEG CUSHION	8	

19.2. Electrical Replacement Parts List

Important Safety Notice

Components identified by Δ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

RTL (Retention Time Limited)

Note: The marking (RTL) indicates that the Retention Time is Limited for this item.

After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

Note:

- When replacing any of these components, be sure to use only manufacturer's specified parts shown in the replacement part list.
- The parenthesized indications on the Remarks column specify the destination & product color (Refer to the cover page for the information).
- Parts without these indications shall be used for all areas.
- This product uses a laser diode. Refer to "Precaution of Laser Diode".
- Capacitor value are in microfarads (uF) unless specified otherwise, P=Pico-farads (pF), F=Farads.
- Resistance values are in ohms, unless specified otherwise, 1K=1000 (OHM).
- All parts mentioned are supplied by PAVCSG unless indicated likewise.
- Parts mentioned [SPG] in the Remarks column are supplied by PAVC-CSG.

19.2.1. Main Unit (SU-HTB550)

Safety	Ref. No.	Part No.	Part Name & Description	QTY	Remarks
			PRINTED CIRCUITS BOARDS		
	PCB1	REP4735F	MAIN P.C.B.	1	(RTL)
	PCB1	REP4735D	MAIN P.C.B.	1	(RTL) GS,GSX
	PCB2	REP4736B	DAMP P.C.B.	1	(RTL)
	PCB3	REP4792CA	PANEL P.C.B.	1	(RTL) GK
	PCB3	REP4792BA	PANEL P.C.B.	1	(RTL) GS,GSX
	PCB4	REP4792CB	BUTTON P.C.B.	1	(RTL) GK
	PCB4	REP4792BB	BUTTON P.C.B.	1	(RTL) GS,GSX
	PCB5	REP4792CC	POWER BUTTON P.C.B.	1	(RTL) GK
	PCB5	REP4792BC	POWER BUTTON P.C.B.	1	(RTL) GS,GSX
	PCB6	REP4792CD	WIRELESS ADAPTER P.C.B.	1	(RTL) GK
	PCB6	REP4792BD	WIRELESS ADAPTER P.C.B.	1	(RTL) GS,GSX
Δ	PCB7	REP4737MA	SMPS P.C.B.	1	(RTL) GK
Δ	PCB7	REP4737NA	SMPS P.C.B.	1	(RTL) GS,GSX
	PCB8	REP4813A	DIGITAL TRANSMITTER MODULE P.C.B.	1	
			INTEGRATED CIRCUITS		
	IC2001	C2HBCY000102	IC	1	
	IC2002	C0JBAR000396	IC	1	
	IC2003	C3ABMY000029	IC	1	

Safety	Ref. No.	Part No.	Part Name & Description	QTY	Remarks
	IC2301	RFKWMHTB550P	IC	1	
	IC2303	C3EBEY000042	IC	1	
	IC2401	C1AB00003174	IC	1	
	IC2501	C1AB00002975	IC	1	
	IC2502	C0JBAB000986	IC	1	
	IC2503	C0CBCDD00004	IC	1	
	IC2601	C1AB00002989	IC	1	
	IC2602	C0JBAZ001466	IC	1	
	IC2603	C3EBEY000042	IC	1	
	IC2703	C3EBEY000042	IC	1	
	IC2801	C0DBAYH00005	IC	1	
	IC2802	C0DBEYY00146	IC	1	
	IC2803	C0DBAYH00005	IC	1	
	IC2804	C0DBAYH00005	IC	1	
	IC2805	C0DBAYH00005	IC	1	
	IC2806	C0DBAYH00005	IC	1	
	IC2902	C0CBCAG00015	IC	1	
	IC5204	C0JBAB000837	IC	1	
	IC5205	C0JBAE000302	IC	1	
	IC5300	C1AB00003217	IC	1	
	IC5301	C1AB00003852	IC	1	
	IC5701	C0DAAYY00064	IC	1	
	IC5801	C0DAAYY00072	IC	1	
	IC5801	C0DBAYH00005	IC	1	
	IC5822	C0EBY0000867	IC	1	
	IC6001	C0JBAQ000073	IC	1	
			TRANSISTORS		
	Q2503	B1ABCF000079	TRANSISTOR	1	
	Q2508	B1CFGD000002	TRANSISTOR	1	
	Q2601	B1HBCFA00003	TRANSISTOR	1	
	Q2602	B1CFGD000002	TRANSISTOR	1	
	Q2603	B1HBCFA00003	TRANSISTOR	1	
	Q2604	B1CFGD000002	TRANSISTOR	1	
	Q2605	B1CFGD000002	TRANSISTOR	1	
	Q2606	B1CFGD000002	TRANSISTOR	1	

Safety	Ref. No.	Part No.	Part Name & Description	QTY	Remarks
	Q2701	B1HBCFA00003	TRANSISTOR	1	
	Q2702	B1CFGD000002	TRANSISTOR	1	
	Q2703	B1HBCFA00003	TRANSISTOR	1	
	Q2704	B1CFGD000002	TRANSISTOR	1	
	Q2705	B1CFGD000002	TRANSISTOR	1	
	Q2706	B1CFGD000002	TRANSISTOR	1	
	Q5720	B1BABG000007	TRANSISTOR	1	
	Q5760	B1ADCN000010	TRANSISTOR	1	
	Q5761	B1ABCN000001	TRANSISTOR	1	
	Q5801	B1GBCFGG0030	TRANSISTOR	1	
	Q5802	B1ABCF000011	TRANSISTOR	1	
	Q5803	B1ADBL000010	TRANSISTOR	1	
	Q5804	B1ABCF000011	TRANSISTOR	1	
	Q5805	B1ABCF000011	TRANSISTOR	1	
	Q5863	B1ABGC000001	TRANSISTOR	1	
	Q5864	B1ABGC000001	TRANSISTOR	1	
	QR2301	B1GBCFJJ0048	TRANSISTOR	1	
	QR2302	B1GBCFNN0035	TRANSISTOR	1	
	QR2303	B1GBCFJJ0048	TRANSISTOR	1	
	QR2304	B1GBCFJJ0048	TRANSISTOR	1	
	QR2305	B1GDCFJJ0008	TRANSISTOR	1	
	QR2306	B1GDCFJJ0008	TRANSISTOR	1	
	QR2312	B1GBCFJJ0048	TRANSISTOR	1	
	QR2601	B1GBCFJJ0048	TRANSISTOR	1	
	QR2602	B1GBCFJJ0048	TRANSISTOR	1	
	QR2701	B1GBCFJJ0048	TRANSISTOR	1	
	QR2702	B1GBCFJJ0048	TRANSISTOR	1	
	QR2801	B1GBCFNN0035	TRANSISTOR	1	
	QR2804	B1GBCFNN0035	TRANSISTOR	1	
	QR5762	B1GBCFJA0006	TRANSISTOR	1	
	QR5823	B1GDCFJJ0008	TRANSISTOR	1	
	QR5824	B1GBCFJJ0048	TRANSISTOR	1	
	QR5862	B1GBCFGG0030	TRANSISTOR	1	
			DIODES		
	D2001	B0JCCD000017	DIODE	1	
	D2002	B0JCCD000017	DIODE	1	
	D2301	B0JCCD000017	DIODE	1	
	D2302	B0ACCK000012	DIODE	1	
	D2303	B0ACCK000012	DIODE	1	
	D2304	DZ2J075M0L	DIODE	1	
	D2305	B0ACCK000012	DIODE	1	
	D2307	B0ACCK000012	DIODE	1	
	D2308	B0ACCK000012	DIODE	1	
	D2309	B0JCCD000017	DIODE	1	
	D2310	B0JCCD000017	DIODE	1	
	D2321	B0ACCK000012	DIODE	1	
	D2322	DZ2J270M0L	DIODE	1	
	D2323	DZ2J056M0L	DIODE	1	
	D2324	B0ACCK000012	DIODE	1	
	D2325	DZ2J056M0L	DIODE	1	
	D2326	B0ACCK000012	DIODE	1	
	D2392	B0JCME000105	DIODE	1	
	D2501	B0JCCD000017	DIODE	1	
	D2801	B0JCPG000032	DIODE	1	
	D2802	B0JCPG000032	DIODE	1	
	D2803	B0JCPG000032	DIODE	1	
	D2804	B0JCPG000032	DIODE	1	
	D2805	B0JCPG000032	DIODE	1	
	D2806	DZ2J033M0L	DIODE	1	
	D2903	B0ECKP000002	DIODE	1	
	D5301	DA2J10100L	DIODE	1	
	D5401	DA2J10100L	DIODE	1	
	D5701	B0EBNR000045	DIODE	1	
	D5702	B0EAKT000063	DIODE	1	
	D5704	B0BC020A0267	DIODE	1	
	D5705	B0BC020A0267	DIODE	1	
	D5706	DA2J10100L	DIODE	1	
	D5710	DA2J10100L	DIODE	1	
	D5712	B0EAMM000057	DIODE	1	
	D5713	DZ2J330M0L	DIODE	1	
	D5721	B0EAMM000057	DIODE	1	

Safety	Ref. No.	Part No.	Part Name & Description	QTY	Remarks
	D5760	DA2J10100L	DIODE	1	
	D5801	DA2J10100L	DIODE	1	
	D5802	B0HBSM000054	DIODE	1	
	D5802	DZ2J330M0L	DIODE	1	
	D5803	B0EAMM000057	DIODE	1	
	D5803	DA2J10100L	DIODE	1	
	D5804	DA2J10100L	DIODE	1	
	D5805	DZ2J150M0L	DIODE	1	
	D5807	DA2J10100L	DIODE	1	
	D5823	DZ2J068M0L	DIODE	1	
	D5905	B0JCPG000032	DIODE	1	
	D6001	B3ABA0000187	DIODE	1	
	D6002	B3ABA0000187	DIODE	1	
	D6003	B3ABA0000187	DIODE	1	
	D6004	B3ADA0000087	DIODE	1	
	D6005	B3ABA0000187	DIODE	1	
	D6006	B3ADA0000087	DIODE	1	
	D6007	B3ADA0000087	DIODE	1	
⚠	DZ5701	ERZV10V511CS	ZNR	1	
			SWITCHES		
	S6001	EVQ21405RJ	SW POWER	1	
	S6002	EVQ21405RJ	SW VOLUME DOWN	1	
	S6003	EVQ21405RJ	SW VOLUME UP	1	
	S6004	EVQ21405RJ	SW SELECTOR	1	
			CONNECTORS		
	CN1	K1MY09AA0124	9P CONNECTOR	1	
	CN2201	K1MN40AA0082	40P CONNECTOR	1	
	CN2202	K1MN09AA0046	9P CONNECTOR	1	
	CN2204	K1MN11AA0046	11P CONNECTOR	1	
	CN2205	K1MN17AA0046	17P CONNECTOR	1	
	CN2206	K1KA02AA0150	2P CONNECTOR	1	
	CN2301	K1MN10BA0147	10P CONNECTOR	1	
	CN2302	K1MY10AA0021	10P CONNECTOR	1	
	CN2303	K1KA06AA0104	6P CONNECTOR	1	
	CN3000	K1MY22AA00003	22P CONNECTOR	1	
	CN3001	K1MN17BA0005	17P CONNECTOR	1	
	CN5200	K1MN40AA0082	40P CONNECTOR	1	
	CN5900	K1KA06AA00452	6P CONNECTOR	1	
	CN6001	K1MN11BA0004	11P CONNECTOR	1	
			VARISTORS		
	VA2509	EZJZ0V80008B	VARISTOR	1	
	VA2510	EZJZ0V80008B	VARISTOR	1	
	VA2511	EZJZ0V80008B	VARISTOR	1	
	VA2512	EZJZ0V80008B	VARISTOR	1	
	VA2513	EZJZ0V80008B	VARISTOR	1	
	VA2609	EZJZ0V80008B	VARISTOR	1	
	VA2610	EZJZ0V80008B	VARISTOR	1	
	VA2611	EZJZ0V80008B	VARISTOR	1	
	VA2612	EZJZ0V80008B	VARISTOR	1	
	VA2709	EZJZ0V80008B	VARISTOR	1	
	VA2710	EZJZ0V80008B	VARISTOR	1	
	VA2711	EZJZ0V80008B	VARISTOR	1	
	VA2712	EZJZ0V80008B	VARISTOR	1	
			CABLE HOLDERS		
	JW1	K1YZ06000002	6P CABLE HOLDER	1	
	JW6002	K1YZ03000010	3P CABLE HOLDER	1	
	JW6003	K1YZ03000010	3P CABLE HOLDER	1	
	JW6004	K1YZ02000015	2P CABLE HOLDER	1	
			COILS AND INDUC-TORS		
	L2501	J0ZZB0000148	FILTER	1	
	L2502	J0ZZB0000148	FILTER	1	
	L2601	G1CR82KA0010	INDUCTOR	1	

Safety	Ref. No.	Part No.	Part Name & Description	QTY	Remarks
	L2801	G1C330MA0291	INDUCTOR	1	
	L2802	G1C330MA0291	INDUCTOR	1	
	L2803	G1C330MA0291	INDUCTOR	1	
	L2804	G1C330MA0291	INDUCTOR	1	
	L2805	G1C330M00028	INDUCTOR	1	
	L5201	J0JBC0000015	INDUCTOR	1	
	L5304	G0A100H00018	CHOKE COIL	1	
	L5305	G0A100H00018	CHOKE COIL	1	
	L5404	G0A100H00018	CHOKE COIL	1	
	L5405	G0A100H00018	CHOKE COIL	1	
⚠	L5702	ELF19H820E	LINE FILTER	1	
⚠	L5703	ELF19H010A	LINE FILTER	1	
	L5901	J0JKB0000020	INDUCTOR	1	
	L5902	J0JKB0000020	INDUCTOR	1	
	L5905	G1C330MA0234	INDUCTOR	1	
	LB2006	J0JHC0000078	INDUCTOR	1	
	LB2007	J0JHC0000078	INDUCTOR	1	
	LB2011	J0JHC0000078	INDUCTOR	1	
	LB2403	J0JHC0000078	INDUCTOR	1	
	LB2407	J0JHC0000078	INDUCTOR	1	
	LB2408	J0JBC0000014	INDUCTOR	1	
	LB2501	J0JCC0000119	INDUCTOR	1	
	LB2502	J0JCC0000119	INDUCTOR	1	
	LB2503	J0JCC0000119	INDUCTOR	1	
	LB2504	J0JCC0000119	INDUCTOR	1	
	LB2505	J0JHC0000078	INDUCTOR	1	
	LB2506	J0JCC0000119	INDUCTOR	1	
	LB2507	J0JHC0000078	INDUCTOR	1	
	LB2508	J0JHC0000078	INDUCTOR	1	
	LB2509	J0JHC0000078	INDUCTOR	1	
	LB2510	J0JHC0000078	INDUCTOR	1	
	LB2511	J0JHC0000078	INDUCTOR	1	
	LB2512	J0JHC0000078	INDUCTOR	1	
	LB2515	J0JHC0000078	INDUCTOR	1	
	LB2601	J0JHC0000078	INDUCTOR	1	
	LB2602	J0JHC0000078	INDUCTOR	1	
	LB2603	J0JCC0000119	INDUCTOR	1	
	LB2604	J0JCC0000119	INDUCTOR	1	
	LB2605	J0JCC0000119	INDUCTOR	1	
	LB2606	J0JCC0000119	INDUCTOR	1	
	LB2607	J0JHC0000078	INDUCTOR	1	
	LB2608	J0JHC0000078	INDUCTOR	1	
	LB2703	J0JCC0000119	INDUCTOR	1	
	LB2704	J0JCC0000119	INDUCTOR	1	
	LB2705	J0JCC0000119	INDUCTOR	1	
	LB2706	J0JCC0000119	INDUCTOR	1	
	LB2801	J0JHC0000078	INDUCTOR	1	
	LB2802	J0JHC0000078	INDUCTOR	1	
	LB2803	J0JHC0000078	INDUCTOR	1	
	LB2804	J0JHC0000078	INDUCTOR	1	
	LB2805	J0JHC0000078	INDUCTOR	1	
	LB2860	J0JBC0000014	INDUCTOR	1	
	LB2861	J0JBC0000014	INDUCTOR	1	
	LB2862	J0JBC0000014	INDUCTOR	1	
	LB2863	J0JBC0000014	INDUCTOR	1	
	LB2864	J0JBC0000014	INDUCTOR	1	
	LB2865	J0JBC0000014	INDUCTOR	1	
	LB2866	J0JBC0000014	INDUCTOR	1	
	LB2867	J0JBC0000014	INDUCTOR	1	
	LB2868	J0JBC0000014	INDUCTOR	1	
	LB2869	J0JBC0000014	INDUCTOR	1	
	LB2871	J0JBC0000014	INDUCTOR	1	
	LB2872	J0JHC0000078	INDUCTOR	1	
	LB2874	J0JHC0000078	INDUCTOR	1	
	LB2876	J0JBC0000014	INDUCTOR	1	
	LB2877	J0JBC0000014	INDUCTOR	1	
	LB2878	J0JBC0000014	INDUCTOR	1	
	LB2879	J0JBC0000014	INDUCTOR	1	
	LB2880	J0JBC0000014	INDUCTOR	1	
	LB2881	J0JBC0000014	INDUCTOR	1	
	LB2883	J0JBC0000014	INDUCTOR	1	
	LB2885	J0JBC0000014	INDUCTOR	1	
	LB2886	J0JBC0000014	INDUCTOR	1	

Safety	Ref. No.	Part No.	Part Name & Description	QTY	Remarks
	LB2904	J0JHC0000078	INDUCTOR	1	
	LB2905	J0JHC0000078	INDUCTOR	1	
	LB2906	J0JCC00000396	INDUCTOR	1	
	LB3001	J0JBC0000015	INDUCTOR	1	
	LB3004	J0JBC0000015	INDUCTOR	1	
	LB3006	J0JBC0000015	INDUCTOR	1	
	LB3013	J0JBC0000015	INDUCTOR	1	
	LB3014	J0JBC0000015	INDUCTOR	1	
	LB5251	J0JBC0000014	INDUCTOR	1	
			TRANSFORMER		
⚠	T5701	ETS35BL166AD	MAIN TRANSFORMER	1	
			REMOTE SENSOR		
	Z6001	B3RAD0000049	REMOTE SENSOR	1	
			PHOTO COUPLERS		
⚠	PC5720	B3PBA0000503	PHOTO COUPLER	1	
⚠	PC5760	B3PBA0000503	PHOTO COUPLER	1	
			TERMINALS		
	ZJ5701	K4CZ01000027	TERMINAL	1	
	ZJ5703	K4CZ01000027	TERMINAL	1	
			OSCILLATORS		
	X2001	H0J245500101	CRYSTAL OSCILLATOR	1	
	X2301	H2D400400018	CRYSTAL OSCILLATOR	1	
	X2302	H0J327200172	CRYSTAL OSCILLATOR	1	
	X2601	H0J283500022	CRYSTAL OSCILLATOR	1	
	X5302	H0J245500101	CRYSTAL OSCILLATOR	1	
			FUSE		
⚠	F1	K5G312Y00007	FUSE	1	
			THERMISTOR		
⚠	TH5702	D4CAA5R10001	THERMISTOR	1	
			JACKS		
	JK2501	K1FY119E0055	JK HDMI OUT (TV (ARC))	1	
	JK2601	K1FY119E0055	JK HDMI AV IN (AUX1 (HDMI2))	1	
	JK2701	K1FY119E0055	JK HDMI AV IN (BD/DVD (HDMI1))	1	
	JK5251	B3RAB0000056	JK DIGITAL AUDIO IN (TV (OPT1))	1	
	JK5252	B3RAB0000056	JK DIGITAL AUDIO IN (AUX2 (OPT2))	1	
	P5100	K4AL02B00002	JK SPEAKER	1	
⚠	P5701	K2AA2B000011	AC INLET	1	
			CHIP JUMPERS		
	D5812	ERJ6GEY0R00V	0 1/8W	1	
	K101	D0GBR00JA008	0 1/10W	1	GS,GSX
	K102	D0GAR00J0008	0 1/16W	1	
	K102	D0GBR00JA008	0 1/10W	1	GK
	K113	D0GAR00J0008	0 1/16W	1	GS,GSX
	K114	D0GAR00J0008	0 1/16W	1	GK
	K202	D0GAR00J0008	0 1/16W	1	
	K213	D0GAR00J0008	0 1/16W	1	GS,GSX
	K214	D0GAR00J0008	0 1/16W	1	GK
	K5723	ERJ3GEY0R00V	0 1/10W	1	GK
	K5724	ERJ3GEY0R00V	0 1/10W	1	GS,GSX
	K5801	ERJ6GEY0R00V	0 1/8W	1	

Safety	Ref. No.	Part No.	Part Name & Description	QTY	Remarks
	LB2609	D0GAR00J0008	0 1/16W	1	
	LB2610	D0GAR00J0008	0 1/16W	1	
	LB2618	D0GBR00JA008	0 1/10W	1	
	W1	ERJ3GEY0R00V	0 1/10W	1	
	W2	ERJ6GEY0R00V	0 1/8W	1	
	W3	ERJ8GEY0R00V	0 1/4W	1	
	W4	ERJ3GEY0R00V	0 1/10W	1	
	W3001	ERJ8GEY0R00V	0 1/4W	1	
	W3002	ERJ8GEY0R00V	0 1/4W	1	
	W3003	ERJ8GEY0R00V	0 1/4W	1	
			RESISTORS		
	R2003	D0GA330JA023	33 1/16W	1	
	R2004	D0GA102JA023	1K 1/16W	1	
	R2005	D0GA330JA023	33 1/16W	1	
	R2006	D0GA330JA023	33 1/16W	1	
	R2007	D0GA330JA023	33 1/16W	1	
	R2008	D0GA330JA023	33 1/16W	1	
	R2009	D0GA332JA023	3.3K 1/16W	1	
	R2010	D0GA332JA023	3.3K 1/16W	1	
	R2011	D0GA332JA023	3.3K 1/16W	1	
	R2013	D0GA330JA023	33 1/16W	1	
	R2014	D0GA330JA023	33 1/16W	1	
	R2015	D0GA330JA023	33 1/16W	1	
	R2017	D0GAR00J0008	0 1/16W	1	
	R2021	D0GA332JA023	3.3K 1/16W	1	
	R2022	D0GA332JA023	3.3K 1/16W	1	
	R2029	D0GA330JA023	33 1/16W	1	
	R2030	D0GA330JA023	33 1/16W	1	
	R2031	D0GA330JA023	33 1/16W	1	
	R2032	ERJ3RBD512V	5.1K 1/16W	1	
	R2033	D0GB105JA008	1M 1/10W	1	
	R2035	D0GA332JA023	3.3K 1/16W	1	
	R2036	D0GA332JA023	3.3K 1/16W	1	
	R2037	D0GA101JA023	100 1/16W	1	
	R2038	D0GA102JA023	1K 1/16W	1	
	R2039	D0GA102JA023	1K 1/16W	1	
	R2040	D0GA101JA023	100 1/16W	1	
	R2041	D0GA101JA023	100 1/16W	1	
	R2042	D0GA101JA023	100 1/16W	1	
	R2043	D0GA102JA023	1K 1/16W	1	
	R2044	D0GA330JA023	33 1/16W	1	
	R2045	D0GA202JA023	2K 1/16W	1	
	R2052	ERJ2GEJ330X	33 1/16W	1	
	R2053	ERJ2GEJ330X	33 1/16W	1	
	R2058	ERJ2GEJ330X	33 1/16W	1	
	R2059	ERJ2GEJ330X	33 1/16W	1	
	R2060	D0GA472JA023	4.7K 1/16W	1	
	R2061	D0GA472JA023	4.7K 1/16W	1	
	R2119	D0GAR00J0008	0 1/16W	1	
	R2258	D0GA102JA023	1K 1/16W	1	
	R2281	ERJ2GEJ104X	100K 1/16W	1	GK
	R2281	ERJ2GEJ473X	47K 1/16W	1	GS,GSX
	R2282	ERJ2GEJ104X	100K 1/16W	1	
	R2284	D0GA104JA023	100K 1/16W	1	
	R2285	D0GA104JA023	100K 1/16W	1	
	R2286	D0GA224JA023	220K 1/16W	1	
	R2293	D0GA224JA023	220K 1/16W	1	
	R2294	D0GA473JA023	47K 1/16W	1	
	R2295	D0GA472JA023	4.7K 1/16W	1	
	R2296	D0GA472JA023	4.7K 1/16W	1	
	R2300	ERJ2GEJ101X	100 1/16W	1	
	R2302	D0GA104JA023	100K 1/16W	1	
	R2303	D0GA101JA023	100 1/16W	1	
	R2305	D0GA103JA023	10K 1/16W	1	
	R2306	D0GA472JA023	4.7K 1/16W	1	
	R2307	D0GA154JA023	150K 1/16W	1	
	R2308	D0GA472JA023	4.7K 1/16W	1	
	R2309	D0GA104JA023	100K 1/16W	1	
	R2310	D0GA104JA023	100K 1/16W	1	
	R2311	D0GA472JA023	4.7K 1/16W	1	
	R2312	D0GA102JA023	1K 1/16W	1	

Safety	Ref. No.	Part No.	Part Name & Description	QTY	Remarks
	R2314	ERJ2GEJ151X	150 1/16W	1	
	R2315	ERJ2GEJ151X	150 1/16W	1	
	R2316	D0GA101JA023	100 1/16W	1	
	R2317	D0GA104JA023	100K 1/16W	1	
	R2318	D0GA104JA023	100K 1/16W	1	
	R2319	D0GA101JA023	100 1/16W	1	
	R2320	D0GA101JA023	100 1/16W	1	
	R2321	D0GA101JA023	100 1/16W	1	
	R2322	D0GA104JA023	100K 1/16W	1	
	R2323	D0GA681JA023	680 1/16W	1	
	R2324	D0GA101JA023	100 1/16W	1	
	R2325	D0GA472JA023	4.7K 1/16W	1	
	R2326	D0GA101JA023	100 1/16W	1	
	R2329	D0GA101JA023	100 1/16W	1	
	R2330	D0GA101JA023	100 1/16W	1	
	R2331	D0GA101JA023	100 1/16W	1	
	R2332	D0GA101JA023	100 1/16W	1	
	R2333	D0GA470JA023	47 1/16W	1	
	R2334	D0GA470JA023	47 1/16W	1	
	R2335	D0GA472JA023	4.7K 1/16W	1	
	R2336	D0GA101JA023	100 1/16W	1	
	R2337	D0GA101JA023	100 1/16W	1	
	R2339	D0GA101JA023	100 1/16W	1	
	R2340	D0GA101JA023	100 1/16W	1	
	R2341	D0GA101JA023	100 1/16W	1	
	R2342	D0GA101JA023	100 1/16W	1	
	R2344	D0GA101JA023	100 1/16W	1	
	R2345	D0GA101JA023	100 1/16W	1	
	R2346	D0GA101JA023	100 1/16W	1	
	R2347	D0GA473JA023	47K 1/16W	1	
	R2348	D0GA472JA023	4.7K 1/16W	1	
	R2349	D0GA472JA023	4.7K 1/16W	1	
	R2350	D0GA473JA023	47K 1/16W	1	
	R2351	D0GA101JA023	100 1/16W	1	
	R2352	D0GA104JA023	100K 1/16W	1	
	R2355	ERJ2GEJ101X	100 1/16W	1	
	R2356	ERJ2GEJ472X	4.7K 1/16W	1	
	R2357	D0GA101JA023	100 1/16W	1	
	R2359	D0GA101JA023	100 1/16W	1	
	R2361	D0GA101JA023	100 1/16W	1	
	R2362	D0GA104JA023	100K 1/16W	1	
	R2363	ERJ2GEJ101X	100 1/16W	1	
	R2364	ERJ2GEJ101X	100 1/16W	1	
	R2365	D0GA104JA023	100K 1/16W	1	
	R2366	D0GA101JA023	100 1/16W	1	
	R2367	D0GA102JA023	1K 1/16W	1	
	R2368	D0GA102JA023	1K 1/16W	1	
	R2372	D0GA104JA023	100K 1/16W	1	
	R2374	D0GA101JA023	100 1/16W	1	
	R2375	D0GA101JA023	100 1/16W	1	
	R2376	D0GAR00J0008	0 1/16W	1	
	R2378	D0GA101JA023	100 1/16W	1	
	R2379	D0GA101JA023	100 1/16W	1	
	R2380	D0GA101JA023	100 1/16W	1	
	R2381	D0GA104JA023	100K 1/16W	1	GS,GSX
	R2381	D0GA473JA023	47K 1/16W	1	GK
	R2382	D0GA104JA023	100K 1/16W	1	
	R2383	D0GA101JA023	100 1/16W	1	
	R2384	D0GA101JA023	100 1/16W	1	
	R2385	D0GA101JA023	100 1/16W	1	
	R2386	D0GA102JA023	1K 1/16W	1	
	R2387	ERJ2GEJ102X	1K 1/16W	1	
	R2388	D0GA104JA023	100K 1/16W	1	
	R2389	D0GA103JA023	10K 1/16W	1	
	R2390	D0GA103JA023	10K 1/16W	1	
	R2391	D0GA101JA023	100 1/16W	1	
	R2393	D0GA102JA023	1K 1/16W	1	
	R2395	D0GA104JA023	100K 1/16W	1	
	R2398	ERJ2GEJ101X	100 1/16W	1	
	R2399	ERJ2GEJ101X	100 1/16W	1	
	R2411	D0GA473JA023	47K 1/16W	1	
	R2415	D0GA102JA023	1K 1/16W	1	
	R2417	D0GA102JA023	1K 1/16W	1	

Safety	Ref. No.	Part No.	Part Name & Description	QTY	Remarks
	R2418	D0GA101JA023	100 1/16W	1	
	R2419	D0GA101JA023	100 1/16W	1	
	R2420	D0GA473JA023	47K 1/16W	1	
	R2422	D0GA102JA023	1K 1/16W	1	
	R2424	D0GA330JA023	33 1/16W	1	
	R2425	D0GA330JA023	33 1/16W	1	
	R2426	D0GA330JA023	33 1/16W	1	
	R2428	D0GA101JA023	100 1/16W	1	
	R2433	ERJ2RHD302X	3K 1/16W	1	
	R2503	D0GA510JA023	51 1/16W	1	
	R2504	D0GA103JA023	10K 1/16W	1	
	R2505	D0GA273JA023	27K 1/16W	1	
	R2506	D0GA104JA023	100K 1/16W	1	
	R2507	D0GA473JA023	47K 1/16W	1	
	R2508	D0GA273JA023	27K 1/16W	1	
	R2509	D0GA102JA023	1K 1/16W	1	
	R2510	D0GA101JA023	100 1/16W	1	
	R2511	D0GA182JA023	1.8K 1/16W	1	
	R2512	D0GA182JA023	1.8K 1/16W	1	
	R2517	D0GA221JA023	220 1/16W	1	
	R2521	D0GA103JA023	10K 1/16W	1	
	R2525	D0GA103JA023	10K 1/16W	1	
	R2526	D0GB101JA008	100 1/10W	1	
	R2530	D0GA473JA023	47K 1/16W	1	
	R2534	D0GA180JA023	18 1/16W	1	
	R2535	ERJ2RHD681X	680 1/16W	1	
	R2536	D0GA470JA023	47 1/16W	1	
	R2537	D0GA470JA023	47 1/16W	1	
	R2538	D0GA102JA023	1K 1/16W	1	
	R2539	D0GA472JA023	4.7K 1/16W	1	
	R2540	D0GA472JA023	4.7K 1/16W	1	
	R2542	D0GA473JA023	47K 1/16W	1	
	R2543	D0GA330JA023	33 1/16W	1	
	R2544	D0GA330JA023	33 1/16W	1	
	R2545	D0GA330JA023	33 1/16W	1	
	R2546	D0GA330JA023	33 1/16W	1	
	R2547	D0GA510JA023	51 1/16W	1	
	R2551	D0GA101JA023	100 1/16W	1	
	R2583	D0GA470JA023	47 1/16W	1	
	R2585	D0GA470JA023	47 1/16W	1	
	R2587	D0GA470JA023	47 1/16W	1	
	R2589	D0GA470JA023	47 1/16W	1	
	R2592	D0GA470JA023	47 1/16W	1	
	R2594	D0GA470JA023	47 1/16W	1	
	R2596	D0GB470JA008	47 1/10W	1	
	R2598	D0GA470JA023	47 1/16W	1	
	R2599	D0GA102JA023	1K 1/16W	1	
	R2604	D0GA102JA023	1K 1/16W	1	
	R2605	D0GA510JA023	51 1/16W	1	
	R2606	D0GA473JA023	47K 1/16W	1	
	R2607	D0GA473JA023	47K 1/16W	1	
	R2608	D0GA470JA023	47 1/16W	1	
	R2609	D0GA470JA023	47 1/16W	1	
	R2610	D0GA473JA023	47K 1/16W	1	
	R2611	D0GA473JA023	47K 1/16W	1	
	R2612	D0GA104JA023	100K 1/16W	1	
	R2613	D0GA103JA023	10K 1/16W	1	
	R2614	D0GB101JA008	100 1/10W	1	
	R2615	D0GA103JA023	10K 1/16W	1	
	R2616	D0GA224JA023	220K 1/16W	1	
	R2617	D0GA224JA023	220K 1/16W	1	
	R2618	D0GA102JA023	1K 1/16W	1	
	R2619	D0GA224JA023	220K 1/16W	1	
	R2620	D0GA224JA023	220K 1/16W	1	
	R2621	D0GA153JA023	15K 1/16W	1	
	R2622	D0GA823JA023	82K 1/16W	1	
	R2623	D0GA4R7JA023	4.7 1/16W	1	
	R2624	D0GA4R7JA023	4.7 1/16W	1	
	R2625	D0GA4R7JA023	4.7 1/16W	1	
	R2626	D0GA4R7JA023	4.7 1/16W	1	
	R2627	D0GA4R7JA023	4.7 1/16W	1	
	R2628	D0GA4R7JA023	4.7 1/16W	1	
	R2629	D0GA4R7JA023	4.7 1/16W	1	

Safety	Ref. No.	Part No.	Part Name & Description	QTY	Remarks
	R2630	D0GA4R7JA023	4.7 1/16W	1	
	R2633	D0GB330JA008	33 1/10W	1	
	R2634	D0GA470JA023	47 1/16W	1	
	R2635	D0GA470JA023	47 1/16W	1	
	R2636	D0GA470JA023	47 1/16W	1	
	R2637	D0GA470JA023	47 1/16W	1	
	R2638	D0GA470JA023	47 1/16W	1	
	R2639	D0GA182JA023	1.8K 1/16W	1	
	R2640	D0GA182JA023	1.8K 1/16W	1	
	R2641	D0GA470JA023	47 1/16W	1	
	R2642	D0GA470JA023	47 1/16W	1	
	R2643	D0GA330JA023	33 1/16W	1	
	R2644	D0GA152JA023	1.5K 1/16W	1	
	R2645	D0GA105JA023	1M 1/16W	1	
	R2646	D0GA472JA023	4.7K 1/16W	1	
	R2647	D0GA220JA023	22 1/16W	1	
	R2648	D0GA102JA023	1K 1/16W	1	
	R2649	D0GA472JA023	4.7K 1/16W	1	
	R2651	D0GA473JA023	47K 1/16W	1	
	R2652	D0GA473JA023	47K 1/16W	1	
	R2704	D0GA102JA023	1K 1/16W	1	
	R2705	D0GA510JA023	51 1/16W	1	
	R2706	D0GA473JA023	47K 1/16W	1	
	R2707	D0GA473JA023	47K 1/16W	1	
	R2708	D0GA470JA023	47 1/16W	1	
	R2709	D0GA470JA023	47 1/16W	1	
	R2710	D0GA473JA023	47K 1/16W	1	
	R2711	D0GA473JA023	47K 1/16W	1	
	R2712	D0GA104JA023	100K 1/16W	1	
	R2713	D0GA103JA023	10K 1/16W	1	
	R2714	D0GB101JA008	100 1/10W	1	
	R2715	D0GA103JA023	10K 1/16W	1	
	R2716	D0GA224JA023	220K 1/16W	1	
	R2717	D0GA224JA023	220K 1/16W	1	
	R2718	D0GA102JA023	1K 1/16W	1	
	R2719	D0GA224JA023	220K 1/16W	1	
	R2720	D0GA224JA023	220K 1/16W	1	
	R2721	D0GA153JA023	15K 1/16W	1	
	R2722	D0GA823JA023	82K 1/16W	1	
	R2723	D0GA4R7JA023	4.7 1/16W	1	
	R2724	D0GA4R7JA023	4.7 1/16W	1	
	R2725	D0GA4R7JA023	4.7 1/16W	1	
	R2726	D0GA4R7JA023	4.7 1/16W	1	
	R2727	D0GA4R7JA023	4.7 1/16W	1	
	R2728	D0GA4R7JA023	4.7 1/16W	1	
	R2729	D0GA4R7JA023	4.7 1/16W	1	
	R2730	D0GA4R7JA023	4.7 1/16W	1	
	R2733	D0GB330JA008	33 1/10W	1	
	R2734	D0GA470JA023	47 1/16W	1	
	R2735	D0GA470JA023	47 1/16W	1	
	R2751	D0GA153JA023	15K 1/16W	1	
	R2752	D0GA153JA023	15K 1/16W	1	
	R2753	D0GA183JA023	18K 1/16W	1	
	R2801	D0GBR00JA008	0 1/10W	1	
	R2804	ERJ3RBD472V	4.7K 1/16W	1	
	R2805	ERJ3RBD821V	820 1/16W	1	
	R2806	ERJ3RBD102V	1K 1/16W	1	
	R2807	ERJ3RBD273V	27K 1/16W	1	
	R2808	ERJ3RBD104V	100K 1/16W	1	
	R2811	ERJ3RBD152V	1.5K 1/16W	1	
	R2812	ERJ3RBD271V	270 1/16W	1	
	R2813	ERJ3RBD102V	1K 1/16W	1	
	R2814	ERJ3RBD272V	2.7K 1/16W	1	
	R2815	ERJ3RBD391V	390 1/16W	1	
	R2816	ERJ3RBD102V	1K 1/16W	1	
	R2817	ERJ6GEY0R00V	0 1/8W	1	
	R2821	ERJ3RBD221V	220 1/16W	1	
	R2822	ERJ3RBD271V	270 1/16W	1	
	R2823	ERJ3RBD102V	1K 1/16W	1	
	R2824	ERJ3RBD152V	1.5K 1/16W	1	
	R2825	ERJ3RBD271V	270 1/16W	1	
	R2826	ERJ3RBD102V	1K 1/16W	1	
	R2830	D0GA473JA023	47K 1/16W	1	

Safety	Ref. No.	Part No.	Part Name & Description	QTY	Remarks
	R2861	D0GAR00J0008	0 1/16W	1	
	R2862	D0GAR00J0008	0 1/16W	1	
	R2915	D0GBR00JA008	0 1/10W	1	
	R2918	ERJ3RBD561V	560 1/16W	1	
	R3001	ERJ3GEYJ103V	10K 1/10W	1	
	R3002	ERJ3GEYJ183V	18K 1/10W	1	
	R3003	ERJ8GEYJ1R0V	1 1/4W	1	
	R3004	ERJ3GEYJ101V	100 1/10W	1	
	R3005	ERJ3GEYJ101V	100 1/10W	1	
	R3006	ERJ3GEYJ101V	100 1/10W	1	
	R3007	ERJ3GEYJ101V	100 1/10W	1	
	R3008	ERJ3GEYJ101V	100 1/10W	1	
	R3009	ERJ3GEYJ101V	100 1/10W	1	
	R3010	ERJ3GEYJ101V	100 1/10W	1	
	R3012	ERJ3GEYJ101V	100 1/10W	1	
	R3013	ERJ3GEYJ101V	100 1/10W	1	
	R3014	ERJ3GEYJ103V	10K 1/10W	1	
	R5101	ERJ3GEYJ101V	100 1/10W	1	
	R5102	ERJ3GEYJ101V	100 1/10W	1	
	R5103	ERJ3GEYJ223V	22K 1/10W	1	
	R5104	ERJ3GEYJ101V	100 1/10W	1	
	R5105	ERJ3GEYJ100V	10 1/10W	1	
	R5201	ERJ3GEY0R00V	0 1/10W	1	
	R5202	ERJ3GEY0R00V	0 1/10W	1	
	R5203	ERJ3GEY0R00V	0 1/10W	1	
	R5204	ERJ3GEY0R00V	0 1/10W	1	
	R5205	ERJ3GEY0R00V	0 1/10W	1	
	R5206	ERJ3GEY0R00V	0 1/10W	1	
	R5207	ERJ3GEYJ103V	10K 1/10W	1	
	R5208	ERJ3GEYJ103V	10K 1/10W	1	
	R5301	ERJ3GEYJ100V	10 1/10W	1	
	R5302	ERJ3GEYJ100V	10 1/10W	1	
	R5305	ERJ3GEYJ3R3V	3.3 1/10W	1	
	R5306	ERJ3GEYJ3R3V	3.3 1/10W	1	
	R5307	ERJ3GEYJ104V	100K 1/10W	1	
	R5308	ERJ3GEYJ104V	100K 1/10W	1	
	R5309	ERJ3GEYJ562V	5.6K 1/10W	1	
	R5311	ERJ6GEY0R00V	0 1/8W	1	
	R5312	ERJ6GEY0R00V	0 1/8W	1	
	R5316	ERJ3GEYJ470V	47 1/10W	1	
	R5317	ERJ3GEYJ470V	47 1/10W	1	
	R5319	ERJ6GEY0R00V	0 1/8W	1	
	R5320	ERJ6GEY0R00V	0 1/8W	1	
	R5324	ERJ3GEYJ220V	22 1/10W	1	
	R5350	ERJ3GEY0R00V	0 1/10W	1	
	R5351	ERJ3GEYJ2R2V	2.2 1/10W	1	
	R5357	ERJ3GEY0R00V	0 1/10W	1	
	R5358	ERJ3GEYJ105V	1M 1/10W	1	
	R5359	ERJ3GEYJ102V	1K 1/10W	1	
	R5362	ERJ3GEYJ1R0V	1 1/10W	1	
	R5363	ERJ3GEY0R00V	0 1/10W	1	
	R5364	ERJ3GEY0R00V	0 1/10W	1	
	R5365	ERJ3GEYJ470V	47 1/10W	1	
	R5366	ERJ3GEYJ470V	47 1/10W	1	
	R5367	ERJ3GEYJ103V	10K 1/10W	1	
	R5384	ERJ3GEYJ1R0V	1 1/10W	1	
	R5385	ERJ3GEYJ103V	10K 1/10W	1	
	R5388	ERJ3GEYJ220V	22 1/10W	1	
	R5401	ERJ3GEYJ100V	10 1/10W	1	
	R5402	ERJ3GEYJ100V	10 1/10W	1	
	R5405	ERJ3GEYJ3R3V	3.3 1/10W	1	
	R5406	ERJ3GEYJ3R3V	3.3 1/10W	1	
	R5407	ERJ3GEYJ104V	100K 1/10W	1	
	R5408	ERJ3GEYJ104V	100K 1/10W	1	
	R5409	ERJ3GEYJ562V	5.6K 1/10W	1	
	R5411	ERJ6GEY0R00V	0 1/8W	1	
	R5412	ERJ6GEY0R00V	0 1/8W	1	
	R5416	ERJ3GEYJ470V	47 1/10W	1	
	R5417	ERJ3GEYJ470V	47 1/10W	1	
	R5419	ERJ6GEY0R00V	0 1/8W	1	
	R5420	ERJ6GEY0R00V	0 1/8W	1	
⚠	R5700	ERJ8GEYJ105V	1M 1/4W	1	
⚠	R5701	ERJ8GEYJ105V	1M 1/4W	1	

Safety	Ref. No.	Part No.	Part Name & Description	QTY	Remarks
	R5702	ERJ1TYJ104U	100K 1W	1	
	R5703	ERJ1TYJ104U	100K 1W	1	
⚠	R5710	ERJ8GEYJ105V	1M 1/4W	1	
	R5720	ERJ6GEYJ3R3V	3.3 1/8W	1	
	R5721	ERJ6GEYJ222V	2.2K 1/8W	1	
	R5722	ERJ3GEYJ562V	5.6K 1/10W	1	
	R5727	ERX2SZJR18P	0.18 2W	1	
	R5728	ERJ3GEYJ223V	22K 1/10W	1	
	R5732	ERJ3GEYJ471V	470 1/10W	1	
	R5733	ERJ3GEYJ273V	27K 1/10W	1	
	R5760	ERJ8GEYJ474V	470K 1/4W	1	
	R5761	ERJ3GEYJ824V	820K 1/10W	1	
	R5762	ERJ3GEYJ103V	10K 1/10W	1	
	R5763	ERJ3GEYJ103V	10K 1/10W	1	
	R5764	ERJ3GEYJ472V	4.7K 1/10W	1	
	R5766	ERJ3GEYJ333V	33K 1/10W	1	
	R5767	ERJ3GEYJ223V	22K 1/10W	1	
	R5801	ERJ3GEYJ101V	100 1/10W	1	
	R5801	ERJ3GEYJ472V	4.7K 1/10W	1	
	R5802	ERJ3GEYJ224V	220K 1/10W	1	
	R5802	ERJ3RBD332V	3.3K 1/16W	1	
	R5803	ERJ3GEYJ224V	220K 1/10W	1	
	R5804	ERJ3GEYJ473V	47K 1/10W	1	
	R5804	ERJ6RBD104V	100K 1/10W	1	
	R5805	ERJ3GEYJ563V	56K 1/10W	1	
	R5805	ERJ3RBD103V	10K 1/16W	1	
	R5806	ERJ3GEYJ103V	10K 1/10W	1	
	R5806	ERJ3GEYJ333V	33K 1/10W	1	
	R5808	ERJ3GEYJ472V	4.7K 1/10W	1	
	R5809	ERJ6GEYJ152V	1.5K 1/8W	1	
	R5810	ERJ3GEYJ221V	220 1/10W	1	
	R5811	ERJ3GEYJ104V	100K 1/10W	1	
	R5814	ERJ3GEYJ102V	1K 1/10W	1	
	R5817	ERJ3GEYJ473V	47K 1/10W	1	
	R5817	ERJ3RBD222V	2.2K 1/16W	1	
	R5818	ERJ3GEYJ393V	39K 1/10W	1	
	R5818	ERJ3RBD222V	2.2K 1/16W	1	
	R5819	ERJ3GEYJ151V	150 1/10W	1	
	R5823	ERJ6GEYJ221V	220 1/8W	1	
	R5861	ERJ3GEYJ104V	100K 1/10W	1	
	R5862	ERJ6GEYJ222V	2.2K 1/8W	1	
	R5864	ERJ3GEYJ562V	5.6K 1/10W	1	
	R5866	ERJ6GEY0R00V	0 1/8W	1	
	R5867	ERJ3GEYJ102V	1K 1/10W	1	
	R5868	ERJ3GEYJ473V	47K 1/10W	1	
	R5869	ERJ3GEYJ223V	22K 1/10W	1	
	R5919	ERJ3RBD822V	8.2K 1/16W	1	
	R5920	ERJ3RBD102V	1K 1/16W	1	
	R5921	ERJ3GEYJ103V	10K 1/10W	1	
	R5922	ERJ3GEY0R00V	0 1/10W	1	
	R6001	ERJ3GEYJ181V	180 1/10W	1	
	R6002	ERJ3GEYJ181V	180 1/10W	1	
	R6003	ERJ3GEYJ181V	180 1/10W	1	
	R6004	ERJ3GEYJ221V	220 1/10W	1	
	R6005	D0GB181JA008	180 1/10W	1	
	R6006	ERJ3GEYJ122V	1.2K 1/10W	1	
	R6007	ERJ3GEYJ122V	1.2K 1/10W	1	
	R6008	ERJ3GEYJ470V	47 1/10W	1	
	R6009	D0GB221JA008	220 1/10W	1	
	R6010	ERJ3GEYJ101V	100 1/10W	1	
	R6011	ERJ3GEYJ101V	100 1/10W	1	
	R6012	ERJ3GEYJ101V	100 1/10W	1	
	R6013	D0GB221JA008	220 1/10W	1	
	R6014	ERJ3GEYJ101V	100 1/10W	1	
	R6015	ERJ3GEYJ103V	10K 1/10W	1	
	R6017	D0GBR00JA008	0 1/10W	1	
	R6019	D0GBR00JA008	0 1/10W	1	
			RESISTOR NETWORKS		
	RX2001	D1H83304A024	RESISTOR NETWORK	1	
	RX2002	D1H83304A024	RESISTOR NETWORK	1	
	RX2003	D1H83304A024	RESISTOR NETWORK	1	

Safety	Ref. No.	Part No.	Part Name & Description	QTY	Remarks
	RX2004	D1H83304A024	RESISTOR NETWORK	1	
	RX2005	D1H83304A024	RESISTOR NETWORK	1	
	RX2006	D1H83304A024	RESISTOR NETWORK	1	
	RX2007	D1H83304A024	RESISTOR NETWORK	1	
	RX2008	D1H83304A024	RESISTOR NETWORK	1	
	RX2501	D1H83304A024	RESISTOR NETWORK	1	
	RX2601	D1H83304A024	RESISTOR NETWORK	1	
	RX2602	D1H83304A024	RESISTOR NETWORK	1	
	RX2603	D1H83304A024	RESISTOR NETWORK	1	
	RX2604	D1H83304A024	RESISTOR NETWORK	1	
	RX2605	D1H83304A024	RESISTOR NETWORK	1	
	RX2606	D1H83304A024	RESISTOR NETWORK	1	
	RX2607	D1H83304A024	RESISTOR NETWORK	1	
	RX2608	D1H83304A024	RESISTOR NETWORK	1	
	RX2609	D1H83304A024	RESISTOR NETWORK	1	
	RX2610	D1H83304A024	RESISTOR NETWORK	1	
	RX2611	D1H83304A024	RESISTOR NETWORK	1	
			CAPACITORS		
	C2001	F1G1A1040006	0.1uF 10V	1	
	C2002	F1G1A1040006	0.1uF 10V	1	
	C2003	F1G1A1040006	0.1uF 10V	1	
	C2004	F1G1A1040006	0.1uF 10V	1	
	C2005	F1G1A1040006	0.1uF 10V	1	
	C2006	F1G1A1040006	0.1uF 10V	1	
	C2007	F1G1A1040006	0.1uF 10V	1	
	C2008	F1G1A1040006	0.1uF 10V	1	
	C2009	F1J1A106A043	10uF 10V	1	
	C2010	F1G1A1040006	0.1uF 10V	1	
	C2011	F1G1H100A565	10pF 50V	1	
	C2012	F1G1H100A565	10pF 50V	1	
	C2013	F1G1A1040006	0.1uF 10V	1	
	C2014	F1G1A1040006	0.1uF 10V	1	
	C2015	F1G1A1040006	0.1uF 10V	1	
	C2016	F1G1A1040006	0.1uF 10V	1	
	C2017	F1G1A1040006	0.1uF 10V	1	
	C2018	F1J1A106A043	10uF 10V	1	
	C2019	F1J1A106A043	10uF 10V	1	
	C2020	F1J1A106A043	10uF 10V	1	
	C2021	F1J1A106A043	10uF 10V	1	
	C2022	F1G1A1040006	0.1uF 10V	1	
	C2023	F1G1A1040006	0.1uF 10V	1	
	C2024	F1G1H1020008	1000pF 50V	1	
	C2025	F1G1A1040006	0.1uF 10V	1	
	C2026	F1G1A1040006	0.1uF 10V	1	
	C2027	F1J1A106A043	10uF 10V	1	
	C2028	F1J1A106A043	10uF 10V	1	
	C2030	F1G1H101A565	100pF 50V	1	
	C2031	F1G1H220A565	22pF 50V	1	
	C2034	F1G1H220A565	22pF 50V	1	
	C2036	F1G1H220A565	22pF 50V	1	
	C2038	F1G1A1040006	0.1uF 10V	1	
	C2039	F1G1A1040006	0.1uF 10V	1	
	C2040	F1G1A1040006	0.1uF 10V	1	
	C2041	F1G1A1040006	0.1uF 10V	1	
	C2042	F1G1A1040006	0.1uF 10V	1	
	C2043	F1G1A1040006	0.1uF 10V	1	
	C2044	F1G0J105A031	1uF 6.3V	1	
	C2301	EEEBB0J102UP	1000uF 6.3V	1	
	C2302	F1G1A1040006	0.1uF 10V	1	
	C2303	F1G1A1040006	0.1uF 10V	1	
	C2304	EEEBB0J101UR	100uF 6.3V	1	
	C2308	F1G1H120A444	12pF 50V	1	
	C2309	F1G1H330A565	33pF 50V	1	
	C2310	F1G1A1040006	0.1uF 10V	1	
	C2311	F1G1C1030007	0.01uF 16V	1	
	C2313	F1G0J105A031	1uF 6.3V	1	
	C2320	D0GAR00J0008	0 1/16W	1	
	C2369	F1G1H220A565	22pF 50V	1	
	C2371	F1G1H220A565	22pF 50V	1	
	C2373	F1G1H220A565	22pF 50V	1	
	C2376	F1G1H220A565	22pF 50V	1	

Safety	Ref. No.	Part No.	Part Name & Description	QTY	Remarks
	C2391	F1G1A1040006	0.1uF 10V	1	
	C2401	F1G1A1040006	0.1uF 10V	1	
	C2403	F1G1H101A565	100pF 50V	1	
	C2405	F1G1C1030007	0.01uF 16V	1	
	C2406	EEEBB0J101UR	100uF 6.3V	1	
	C2409	F1G1A1040006	0.1uF 10V	1	
	C2410	F1G1C1030007	0.01uF 16V	1	
	C2411	F1G1C1030007	0.01uF 16V	1	
	C2412	F1G1C223A091	0.022uF 16V	1	
	C2413	F1G1C1030007	0.01uF 16V	1	
	C2414	F1G1C1030007	0.01uF 16V	1	
	C2417	F1G1C1030007	0.01uF 16V	1	
	C2420	F1G1C1030007	0.01uF 16V	1	
	C2422	F1G1H101A565	100pF 50V	1	
	C2423	F1G1H101A565	100pF 50V	1	
	C2425	F1G1H1020008	1000pF 50V	1	
	C2428	F1G1C1030007	0.01uF 16V	1	
	C2429	F1G1C1030007	0.01uF 16V	1	
	C2439	F1G1H220A565	22pF 50V	1	
	C2440	EEEBB0J101UR	100uF 6.3V	1	
	C2442	F1J1A106A043	10uF 10V	1	
	C2443	F1G1A1040006	0.1uF 10V	1	
	C2444	F1G1H1020008	1000pF 50V	1	
	C2503	F1G0J105A031	1uF 6.3V	1	
	C2504	F1G1A1040006	0.1uF 10V	1	
	C2505	F1G1A1040006	0.1uF 10V	1	
	C2506	F1J1A106A043	10uF 10V	1	
	C2508	F1G0J105A031	1uF 6.3V	1	
	C2509	F1G0J105A031	1uF 6.3V	1	
	C2510	F1G1A1040006	0.1uF 10V	1	
	C2513	F1G1A1040006	0.1uF 10V	1	
	C2514	F1J1A106A043	10uF 10V	1	
	C2515	F1G1H1020008	1000pF 50V	1	
	C2516	F1G1H1020008	1000pF 50V	1	
	C2517	F1G1H1020008	1000pF 50V	1	
	C2518	F1G1H1020008	1000pF 50V	1	
	C2519	F1G1H1020008	1000pF 50V	1	
	C2520	F1J1A106A043	10uF 10V	1	
	C2521	F1J1A106A043	10uF 10V	1	
	C2522	F1J1A106A043	10uF 10V	1	
	C2523	F1J1A106A043	10uF 10V	1	
	C2524	F1G1A1040006	0.1uF 10V	1	
	C2525	F1G1A1040006	0.1uF 10V	1	
	C2526	F1G1H1020008	1000pF 50V	1	
	C2527	F1G1H1020008	1000pF 50V	1	
	C2528	F1G1H1020008	1000pF 50V	1	
	C2529	F1G1H1020008	1000pF 50V	1	
	C2530	F1G1A1040006	0.1uF 10V	1	
	C2531	F1G1A1040006	0.1uF 10V	1	
	C2532	F1G1A1040006	0.1uF 10V	1	
	C2533	F1J1A106A043	10uF 10V	1	
	C2534	F1J1A106A043	10uF 10V	1	
	C2535	F1G1H1020008	1000pF 50V	1	
	C2551	F1H1H103A219	0.01uF 50V	1	
	C2553	F1H1H103A219	0.01uF 50V	1	
	C2554	F1H1A105A025	1uF 10V	1	
	C2555	F1H1C105A097	1uF 16V	1	
	C2604	F1G0J105A031	1uF 6.3V	1	
	C2605	F1G0J105A031	1uF 6.3V	1	
	C2606	F1G1A1040006	0.1uF 10V	1	
	C2607	F1J1A106A043	10uF 10V	1	
	C2608	F1J1A106A043	10uF 10V	1	
	C2609	F1G0J105A031	1uF 6.3V	1	
	C2610	F1G1A1040006	0.1uF 10V	1	
	C2611	F1G1A1040006	0.1uF 10V	1	
	C2612	F1G1H1020008	1000pF 50V	1	
	C2613	F1G1H1020008	1000pF 50V	1	
	C2614	F1G1H1020008	1000pF 50V	1	
	C2615	F1G1H1020008	1000pF 50V	1	
	C2616	F1G0J105A031	1uF 6.3V	1	
	C2617	F1G1H1020008	1000pF 50V	1	
	C2618	F1G1H1020008	1000pF 50V	1	
	C2619	F1G1H1020008	1000pF 50V	1	

Safety	Ref. No.	Part No.	Part Name & Description	QTY	Remarks
	C2620	F1G1H1020008	1000pF 50V	1	
	C2621	F1G0J105A031	1uF 6.3V	1	
	C2622	F1G1A1040006	0.1uF 10V	1	
	C2623	F1G1A1040006	0.1uF 10V	1	
	C2624	F1G1A1040006	0.1uF 10V	1	
	C2625	F1G1A1040006	0.1uF 10V	1	
	C2626	F1G1A1040006	0.1uF 10V	1	
	C2627	F1G0J105A031	1uF 6.3V	1	
	C2628	F1G1A1040006	0.1uF 10V	1	
	C2629	F1G1A1040006	0.1uF 10V	1	
	C2630	F1G1H120A444	12pF 50V	1	
	C2631	F1G1H120A444	12pF 50V	1	
	C2632	F1G1A1040006	0.1uF 10V	1	
	C2633	F1G0J105A031	1uF 6.3V	1	
	C2634	F1G0J105A031	1uF 6.3V	1	
	C2635	F1G1H1020008	1000pF 50V	1	
	C2636	F1G1A1040006	0.1uF 10V	1	
	C2637	F1G1A1040006	0.1uF 10V	1	
	C2638	F1G1A1040006	0.1uF 10V	1	
	C2639	EEHBOJ101UR	100uF 6.3V	1	
	C2640	F1G0J105A031	1uF 6.3V	1	
	C2641	F1G0J105A031	1uF 6.3V	1	
	C2642	F1G1A1040006	0.1uF 10V	1	
	C2643	F1G1A1040006	0.1uF 10V	1	
	C2644	F1G1A1040006	0.1uF 10V	1	
	C2645	F1G1A1040006	0.1uF 10V	1	
	C2646	F1G1A1040006	0.1uF 10V	1	
	C2647	F1G0J105A031	1uF 6.3V	1	
	C2648	F1G0J105A031	1uF 6.3V	1	
	C2649	F1G1C1030007	0.01uF 16V	1	
	C2650	F1G1H470A565	47pF 50V	1	
	C2704	F1G0J105A031	1uF 6.3V	1	
	C2705	F1G0J105A031	1uF 6.3V	1	
	C2706	F1G1A1040006	0.1uF 10V	1	
	C2801	F1H1H104A913	0.1uF 50V	1	
	C2802	F1H1C474A008	0.47uF 16V	1	
	C2804	EEEFK1C471P	470uF 16V	1	
	C2806	F1J1E4750002	4.7uF 25V	1	
	C2807	F1J1E4750002	4.7uF 25V	1	
	C2811	F1H1H104A913	0.1uF 50V	1	
	C2812	F1H1C474A008	0.47uF 16V	1	
	C2813	EEEFK0J331XP	330uF 6.3V	1	
	C2814	EEEFK0J331XP	330uF 6.3V	1	
	C2815	F1H1H104A913	0.1uF 50V	1	
	C2816	F1H1C474A008	0.47uF 16V	1	
	C2817	EEEFK0J331XP	330uF 6.3V	1	
	C2821	F1H1H104A913	0.1uF 50V	1	
	C2822	F1G0J105A031	1uF 6.3V	1	
	C2823	EEEFK0J331XP	330uF 6.3V	1	
	C2824	EEEFK0J331XP	330uF 6.3V	1	
	C2825	F1H1H104A913	0.1uF 50V	1	
	C2826	F1G0J105A031	1uF 6.3V	1	
	C2827	EEEFK0J331XP	330uF 6.3V	1	
	C2851	F1H1H102A219	1000pF 50V	1	
	C2852	F1H1H102A219	1000pF 50V	1	
	C2853	F1H1H102A219	1000pF 50V	1	
	C2914	EEEFK0J331XP	330uF 6.3V	1	
	C2915	F1G1A1040006	0.1uF 10V	1	
	C2926	F1H1H102A219	1000pF 50V	1	
	C3000	F1H1H103A238	0.01uF 50V	1	
	C3001	F1H1H101A230	100pF 50V	1	
	C3003	F2A0J221A245	220uF 6.3V	1	
	C5101	F1H1H104A913	0.1uF 50V	1	
	C5102	F1J1C106A059	10uF 16V	1	
	C5103	F1H1H104A913	0.1uF 50V	1	
	C5201	F1H1H104A913	0.1uF 50V	1	
	C5202	F1H1H102A219	1000pF 50V	1	
	C5219	F1H1H104A913	0.1uF 50V	1	
	C5220	F1H1H104A913	0.1uF 50V	1	
	C5251	F1H1H103A238	0.01uF 50V	1	
	C5252	F1H1H103A238	0.01uF 50V	1	
	C5253	F1H0J106A009	10uF 6.3V	1	
	C5301	F1H1H104A913	0.1uF 50V	1	

Safety	Ref. No.	Part No.	Part Name & Description	QTY	Remarks
	C5302	F1H1H104A913	0.1uF 50V	1	
	C5303	F1H1H333A220	0.033uF 50V	1	
	C5304	F1H1H333A220	0.033uF 50V	1	
	C5307	F1K1H105A138	1uF 50V	1	
	C5308	F1K1H105A138	1uF 50V	1	
	C5309	F2A1V4710074	470uF 35V	1	
	C5313	F1H1H104A913	0.1uF 50V	1	
	C5314	F1H1H104A913	0.1uF 50V	1	
	C5317	F1H1H103A238	0.01uF 50V	1	
	C5318	F1H1H103A238	0.01uF 50V	1	
	C5319	ECQV1H105JL3	1uF 50V	1	
	C5320	ECQV1H105JL3	1uF 50V	1	
	C5323	F1H1H102A219	1000pF 50V	1	
	C5324	F1H1H102A219	1000pF 50V	1	
	C5331	F1H0J106A009	10uF 6.3V	1	
	C5332	F1H1H102A219	1000pF 50V	1	
	C5343	F2G0J470A019	47uF 6.3V	1	
	C5344	F1H1H103A238	0.01uF 50V	1	
	C5346	F1H1H220A230	22pF 50V	1	
	C5351	F1H0J106A009	10uF 6.3V	1	
	C5352	F1H1H102A219	1000pF 50V	1	
	C5354	F1H0J106A009	10uF 6.3V	1	
	C5355	F1H1H102A219	1000pF 50V	1	
	C5361	F1H0J106A009	10uF 6.3V	1	
	C5371	F1H1H102A219	1000pF 50V	1	
	C5372	F1H0J106A009	10uF 6.3V	1	
	C5373	F2G0J220A019	22uF 6.3V	1	
	C5375	F1H1H120A230	12pF 50V	1	
	C5376	F1H1H120A230	12pF 50V	1	
	C5377	F1H1H102A219	1000pF 50V	1	
	C5378	F1H0J106A009	10uF 6.3V	1	
	C5380	F1H1H104A913	0.1uF 50V	1	
	C5381	F1H1H104A913	0.1uF 50V	1	
	C5401	F1H1H104A913	0.1uF 50V	1	
	C5402	F1H1H104A913	0.1uF 50V	1	
	C5403	F1H1H333A220	0.033uF 50V	1	
	C5404	F1H1H333A220	0.033uF 50V	1	
	C5407	F1K1H105A138	1uF 50V	1	
	C5408	F1K1H105A138	1uF 50V	1	
	C5409	F2A1V4710074	470uF 35V	1	
	C5413	F1H1H104A913	0.1uF 50V	1	
	C5414	F1H1H104A913	0.1uF 50V	1	
	C5417	F1H1H103A238	0.01uF 50V	1	
	C5418	F1H1H103A238	0.01uF 50V	1	
	C5419	ECQV1H105JL3	1uF 50V	1	
	C5420	ECQV1H105JL3	1uF 50V	1	
	C5423	F1H1H102A219	1000pF 50V	1	
	C5424	F1H1H102A219	1000pF 50V	1	
⚠	C5700	F1BAF471A013	470pF	1	
⚠	C5701	F0CAF104A105	0.1uF	1	
⚠	C5702	F0CAF104A105	0.1uF	1	
⚠	C5703	F0CAF104A105	0.1uF	1	
⚠	C5705	F1BAF1020020	1000pF	1	GK
⚠	C5705	F1BAF471A013	470pF	1	GS,GSX
	C5712	F2A2G1810002	180uF 400V	1	GS,GSX
	C5712	F2B2G6800014	68uF 400V	1	GK
	C5713	F0C2J1030007	0.01uF 630V	1	
	C5720	F1H1H101A230	100pF 50V	1	
	C5722	F1H1H102A219	1000pF 50V	1	
	C5724	F1H1H221A004	220pF 50V	1	
	C5726	F2A1H100B411	10uF 50V	1	
	C5727	F2A1H101A147	100uF 50V	1	
	C5730	F1J1E4750002	4.7uF 25V	1	
	C5747	F1B3D561A011	560pF 2000V	1	
	C5760	F1H1H104B047	0.1uF 50V	1	
	C5761	F1H1H104B047	0.1uF 50V	1	
	C5791	F1J1C106A059	10uF 16V	1	
	C5800	F1J2E1030004	0.01uF 250V	1	
	C5801	F1H1H104A913	0.1uF 50V	1	
	C5802	F1J1C106A059	10uF 16V	1	
	C5803	F1H1H104A913	0.1uF 50V	1	
	C5804	F1H1E105A116	1uF 25V	1	
	C5805	F1H1H102A219	1000pF 50V	1	

Safety	Ref. No.	Part No.	Part Name & Description	QTY	Remarks
	C5805	F2A1V4710074	470uF 35V	1	
	C5806	ERJ3GEY0R00V	0 1/10W	1	
	C5807	ERJ3GEY0R00V	0 1/10W	1	
	C5808	F2A1V4710074	470uF 35V	1	
	C5814	F2A1A102A470	1000uF 10V	1	
	C5817	F1H1H682A219	6800pF 50V	1	
	C5818	F1H1H104B047	0.1uF 50V	1	
	C5819	F1H1H560A230	56pF 50V	1	
	C5820	F1H1H560A230	56pF 50V	1	
	C5828	F2A0J471A016	470uF 6.3V	1	
	C5869	F1H1H103A219	0.01uF 50V	1	
	C5870	F1H0J106A009	10uF 6.3V	1	
	C5897	F1K1H104A241	0.1uF 50V	1	
	C5923	F2A1C471A019	470uF 16V	1	
	C5924	F1H1E474A068	0.47uF 25V	1	
	C5925	EEEB1V330UP	33uF 35V	1	
	C6001	F1H1H104A913	0.1uF 50V	1	
	C6002	F1J1A4750002	4.7uF 10V	1	
	C6008	F1J1A4750002	4.7uF 10V	1	
	C6010	F1H1H101A230	100pF 50V	1	
	C6011	F1H1H101A230	100pF 50V	1	
	C6012	F1H1H101A230	100pF 50V	1	
			SERVICE FIXTURE & TOOLS		
	SFT1	RFKZHTB15	40P FFC (MAIN-DAMP)	1	

19.2.2. Active Subwoofer (SB-HWA520)

Safety	Ref. No.	Part No.	Part Name & Description	QTY	Remarks
			PRINTED CIRCUITS BOARDS		
	PCB11	REP4806BA	D-AMP P.C.B.	1	(RTL)
	PCB12	REP4806BB	LED P.C.B.	1	(RTL)
	PCB13	REP4806BC	POWER BUTTON P.C.B.	1	(RTL)
⚠	PCB14	REP4806BD	AC INLET	1	(RTL)
⚠	PCB15	N0AE3ZJ00001	SMPS P.C.B	1	
⚠	PCB16	REP4814A	DIGITAL RECEIVER MODULE P.C.B.	1	
			INTEGRATED CIRCUITS		
	IC3002	C0ABBB000244	IC	1	
	IC5200	C1BA00000497	IC	1	
			TRANSISTORS		
	Q1003	B1ACKD000006	TRANSISTOR	1	
	Q1004	B1ADCE000012	TRANSISTOR	1	
	Q1005	B1GBCFJJ0051	TRANSISTOR	1	
	Q1006	B1GBCFGG0030	TRANSISTOR	1	
	Q1007	B1ABCF000176	TRANSISTOR	1	
	Q1008	B1ABCF000176	TRANSISTOR	1	
	Q1009	B1GBCFJJ0051	TRANSISTOR	1	
	Q2002	B1AAKD000012	TRANSISTOR	1	
	Q2010	B1ACCF000093	TRANSISTOR	1	
	Q2011	B1ACKD000006	TRANSISTOR	1	
			DIODE		
	D2000	B0BC01600013	DIODE	1	
			SWITCHES		
	S1000	EVQ21405R	SW I/D SET	1	
	S1001	K0F122B00107	SW POWER	1	
			CONNECTORS		
	CN1000	K1MY22A00003	22P CONNECTOR	1	
	CN1002	K1KA04BA0061	4P CONNECTOR	1	
	CN1003	K1KA03AA0193	3P CONNECTOR	1	
	CN1005	K1KA02AA0186	2P CONNECTOR	1	
			COILS AND INDUCTORS		
	L1000	G0A150L00003	CHOKE COIL	1	
	L1003	J0JKB0000020	INDUCTOR	1	
	L1004	J0JKB0000020	INDUCTOR	1	
			TERMINALS		
	Z1000	K4CZ01000027	TERMINAL	1	
	Z1001	K4CZ01000027	TERMINAL	1	
	Z1002	K4CZ01000027	TERMINAL	1	
	Z1003	K4CZ01000027	TERMINAL	1	
			JACK		
⚠	P5701	K2AAYA000001	AC INLET	1	
			CHIP JUMPERS		
	D1000	D0GDR00JA017	0 1/8W	1	
	K1004	ERJ3GEY0R00V	0 1/10W	1	
	L1005	ERJ3GEY0R00V	0 1/10W	1	
	L1006	ERJ3GEY0R00V	0 1/10W	1	

Safety	Ref. No.	Part No.	Part Name & Description	QTY	Remarks
	W1003	ERJ3GEY0R00V	0 1/10W	1	
	W1031	ERJ3GEY0R00V	0 1/10W	1	
	W1052	ERJ3GEY0R00V	0 1/10W	1	
	W1055	ERJ6GEY0R00V	0 1/8W	1	
	W1057	ERJ3GEY0R00V	0 1/10W	1	
			RESISTORS		
	R1000	ERJ3GEYJ154V	150K 1/10W	1	
	R1001	ERG2SJ122E	1.2K 2W	1	
	R1002	ERG2SJ122E	1.2K 2W	1	
	R1003	ERJ3GEY0R00V	0 1/10W	1	
	R1007	ERJ3GEYJ122V	1.2K 1/10W	1	
	R1008	ERJ3GEYJ122V	1.2K 1/10W	1	
	R1009	ERJ3GEYJ472V	4.7K 1/10W	1	
	R1010	ERJ3GEY0R00V	0 1/10W	1	
	R1011	ERJ3GEYJ822V	8.2K 1/10W	1	
	R1013	ERJ3GEYJ104V	100K 1/10W	1	
	R1014	ERJ3GEYJ823V	82K 1/10W	1	
	R1015	D0GB333JA007	33K 1/10W	1	
	R1020	ERJ3GEYJ102V	1K 1/10W	1	
	R1034	ERJ3GEY0R00V	0 1/10W	1	
	R1107	ERJ1TYJ220U	22 1W	1	
	R1108	ERJ3GEYJ562V	5.6K 1/10W	1	
	R1207	ERJ1TYJ220U	22 1W	1	
	R1208	ERJ3GEYJ562V	5.6K 1/10W	1	
	R2000	ERJ3GEYJ220V	22 1/10W	1	
	R2004	ERJ3GEYJ272V	2.7K 1/10W	1	
	R2005	D0GB270JA007	27 1/10W	1	
	R2006	ERJ3GEYJ103V	10K 1/10W	1	
	R2010	ERJ3GEYJ220V	22 1/10W	1	
	R2012	ERJ3GEYJ272V	2.7K 1/10W	1	
	R2013	ERJ3GEYJ822V	8.2K 1/10W	1	
	R2014	ERJ3GEYJ561V	560 1/10W	1	
	R3107	ERJ3GEYJ391V	390 1/10W	1	
	R3108	ERJ3GEYJ682V	6.8K 1/10W	1	
	R3113	ERJ3GEY0R00V	0 1/10W	1	
	R3114	ERJ3GEY0R00V	0 1/10W	1	
	R3204	ERJ3GEYJ103V	10K 1/10W	1	
	R3206	ERJ3GEY0R00V	0 1/10W	1	
	R3211	ERJ3GEY0R00V	0 1/10W	1	
	R3212	ERJ3GEY0R00V	0 1/10W	1	
	R5200	D0GF100JA014	10 1/2W	1	
	R5201	D0GF100JA014	10 1/2W	1	
	R5204	ERJ3GEYJ152V	1.5K 1/10W	1	
	R5205	ERJ3GEYJ562V	5.6K 1/10W	1	
	R5206	ERJ3GEYJ562V	5.6K 1/10W	1	
	R5207	ERJ3GEYJ562V	5.6K 1/10W	1	
	R5208	ERJ3GEYJ562V	5.6K 1/10W	1	
	R5210	D0GF100JA014	10 1/2W	1	
	R5211	D0GF100JA014	10 1/2W	1	
	R5769	ERJ3GEYJ122V	1.2K 1/10W	1	
	R5770	ERJ3GEYJ103V	10K 1/10W	1	
			CAPACITORS		
	C1000	ERJ3GEY0R00V	0 1/10W	1	
	C1002	F1H1H104A013	0.1uF 50V	1	
	C1003	F1H1H104A013	0.1uF 50V	1	
	C1004	F2A1E1020114	1000uF 25V	1	
	C1005	F1H1H104A013	0.1uF 50V	1	
	C1006	F1H1H104A013	0.1uF 50V	1	
	C1007	F1H1H104A013	0.1uF 50V	1	
	C1009	F2A0J681A550	680uF 6.3V	1	
	C1010	ERJ3GEY0R00V	0 1/10W	1	
	C1011	F2A1E1020114	1000uF 25V	1	
	C1012	F1H1H104A013	0.1uF 50V	1	
	C1014	F2A0J101A208	100uF 6.3V	1	
	C1116	ECQV1H684JL3	0.68uF 50V	1	
	C1117	F1H1H104A013	0.1uF 50V	1	
	C1118	F1H1H104A013	0.1uF 50V	1	
	C1216	ECQV1H684JL3	0.68uF 50V	1	
	C1217	F1H1H104A013	0.1uF 50V	1	

Safety	Ref. No.	Part No.	Part Name & Description	QTY	Remarks
	C1218	F1H1H104A013	0.1uF 50V	1	
	C2000	F1H1H104A013	0.1uF 50V	1	
	C2001	F2A1E101A205	100uF 25V	1	
	C2006	F1H1H104A013	0.1uF 50V	1	
	C2010	F2A1E101A205	100uF 25V	1	
	C2011	F1H1H104A013	0.1uF 50V	1	
	C2015	F1H1H104A013	0.1uF 50V	1	
	C3105	F1H1H102A219	1000pF 50V	1	
	C3106	F1H1H101A230	100pF 50V	1	
	C3205	ERJ3GEYJ103V	10K 1/10W	1	
	C4000	F1H1H104A013	0.1uF 50V	1	
	C5200	F1H1H104A013	0.1uF 50V	1	
	C5201	F1H1H153A219	0.015uF 50V	1	
	C5202	F1H1C224A068	0.22uF 16V	1	
	C5203	F1J2A221A030	220pF 100V	1	
	C5204	F1H1H153A219	0.015uF 50V	1	
	C5205	F1J2A221A030	220pF 100V	1	
	C5206	F1H1H104A013	0.1uF 50V	1	
	C5207	F1H1H104A013	0.1uF 50V	1	
	C5208	F1H1H104A013	0.1uF 50V	1	
	C5209	F1H1H104A013	0.1uF 50V	1	
	C5210	F1K2A1040007	0.1uF 100V	1	
	C5211	F1J2A221A030	220pF 100V	1	
	C5212	F1H1H221A792	220pF 50V	1	
	C5213	F1H1H104A013	0.1uF 50V	1	
	C5214	F1H1H104A013	0.1uF 50V	1	
	C5215	F1K2A1040007	0.1uF 100V	1	
	C5216	F1H1H331A013	330pF 50V	1	
	C5218	F1J2A221A030	220pF 100V	1	
	C5219	F1K2A1040007	0.1uF 100V	1	
	C5220	F1H1H104A013	0.1uF 50V	1	
	C5221	F1H1H102A219	1000pF 50V	1	
	C5222	F1H1A474A025	0.47uF 10V	1	
	C5223	F1H1A474A025	0.47uF 10V	1	
	C5224	F1H1H331A013	330pF 50V	1	
	C5231	F1H1H102A219	1000pF 50V	1	
	C5232	F1H1A474A025	0.47uF 10V	1	
	C5233	F1H1A474A025	0.47uF 10V	1	
	C5234	F1H1H102A219	1000pF 50V	1	
	C5240	F2A1J470A050	47uF 63V	1	
	C5522	F1H1H104A013	0.1uF 50V	1	
	C5523	F1H1H104A013	0.1uF 50V	1	
	C5602	F2A1C100A234	10uF 16V	1	
	C5603	F1H1H104A013	0.1uF 50V	1	
			SERVICE FIXTURE & TOOLS		
	SFT2	REXX1194	2P WIRE (SPK-DAMP)	1	

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