PSG1309001CE

Service Manual

Home Theater Audio System

Model No. SC-HTE80EB
SC-HTE80EE
SC-HTE80EG
SC-HTE80GN



Remote Control



SC-HTE80

Product Color: (K)...Black Type (For EB/EG/GN)
(S)...Silver 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.

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1 Safety Precautions

1.1. General Guidelines

1. **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 Layout, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent X-RADIATION, shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.
2. An Isolation Transformer should always be used during the servicing of AC Adaptor whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks. It will also protect AC Adaptor from being damaged by accidental shorting that may occur during servicing.
3. 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.
4. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
5. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

1.1.1. Leakage Current Cold Check

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

1.1.2. Leakage Current Hot Check

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

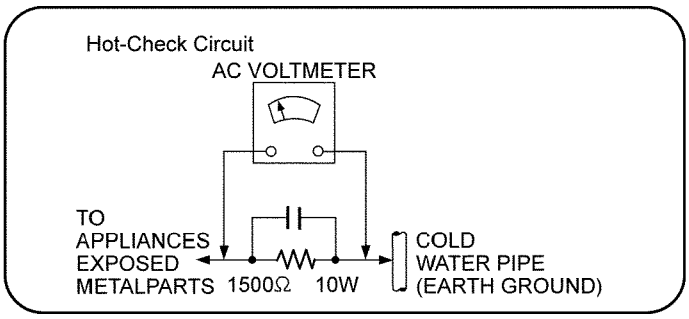


Figure 1-1

1.2. Caution for AC Cord (For EB 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 OFF 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 shown 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.

Figure A

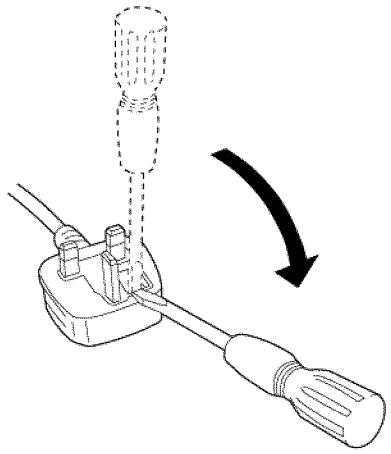
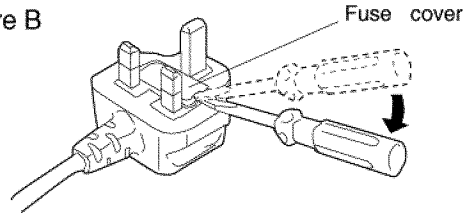


Figure B



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

Figure A

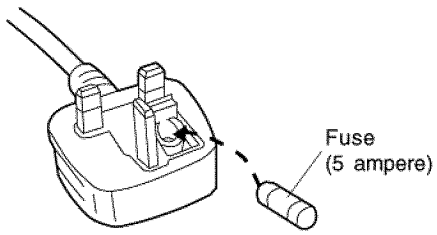
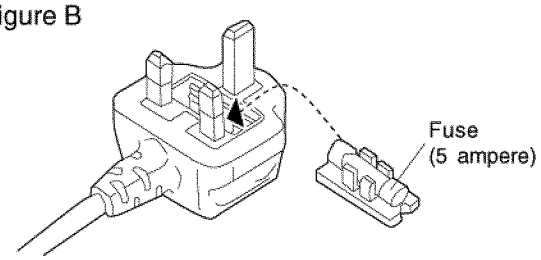


Figure B



1.3. Before Repair and Adjustment

Disconnect AC power to discharge unit AC Capacitors (C5701, C5702, C5703, C5704, C5705 and C5706) 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 at AC 220V - 240V, at 50Hz during power on, (Selector : Standby mode) should be ~150 mA.

1.4. 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.

1.5. Caution For Fuse Replacement

CAUTION:

Replace with the same type fuse:
(Manufacturer: Skygate, Type: SCT, F1, T3.15A, 250V)

1.6. Safety Part Information

Safety Parts List:

There are special components used in this equipment which are important for safety.

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Safety	Ref. No.	Part No.	Part Name & Description	Remarks
⚠	4	REX1657	1P RED WIRE (AC INLT - SMPS)	
⚠	5	REX1658	1P BLACK WIRE (AC INLET - SMPS)	
⚠	17	RGN3400-K	NAME PLATE	EB/EG-K
⚠	17	RGN3401-S	NAME PLATE	EB/EG-S
⚠	17	RGN3402-S	NAME PLATE	GN-S
⚠	17	RGN3403-K	NAME PLATE	GN-K
⚠	17	RGN3404-S	NAME PLATE	EE-S
⚠	38	RMZ1415	SMPS PCB BOTTOM INSULATOR	
⚠	A1	N2QAYC000098	REMOTE CONTROL	
⚠	A2	K2CJ2YY00093	AC CORD	GN
⚠	A2	K2CQ2YY00119	AC CORD	EE,EG
⚠	A2	K2CT2YY00097	AC CORD	EB
⚠	A3	RQT9861-B	O/I BOOK (EN)	EB,GN
⚠	A3	RQT9862-D	O/I BOOK (Ge/Fr/It/Du/Fi)	EG
⚠	A3	RQT9865-Z	O/I BOOK (En/Po/Cz/Sp/Sw/Da)	EG
⚠	A3	RQT9866-R	O/I BOOK (Ru/Ur)	EE
⚠	C5701	F0CAF104A105	0.1uF	
⚠	C5702	F0CAF104A105	0.1uF	
⚠	C5703	F0CAF104A105	0.1uF	
⚠	C5704	F1BAF471A013	470pF	
⚠	C5705	F1BAF471A013	470pF	
⚠	C5706	F1BAF1020020	1000pF	
⚠	DZ5701	ERZV10V511CS	ZNR	(E.S.D)
⚠	F1	K5G312Y00007	FUSE	
⚠	L5702	G0B922G00004	LINE FILTER	
⚠	L5703	G0B922G00004	LINE FILTER	
⚠	P5701	K2AA2B000011	AC INLET	
⚠	PC5720	B3PBA0000579	PHOTO COUPLER	
⚠	PC5760	B3PBA0000579	PHOTO COUPLER	
⚠	PCB1	REP4860T	SMPS P.C.B.	(RTL)
⚠	R5700	ERJ8GEYJ105V	1M 1/4W	
⚠	R5701	ERJ8GEYJ105V	1M 1/4W	
⚠	R5710	ERJ8GEYJ105V	1M 1/4W	
⚠	T5701	G4DYA0000486	TRANSFORMER	

2 Warning

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

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices.

Examples of typical ES devices are IC (integrated circuits) and some field-effect transistors and semiconductor "chip" components.

The following techniques should be used to help reduce the incidence of component damage caused by electrostatic discharge (ESD).

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as “anti-static (ESD protected)” can generate electrical charge sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   CAUTION:
   Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

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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.

- **Micro-processor:**

1) The following components are supplied as an assembled part.
   - Micro-processor IC, (IC2001) (RFKWFHTE80EM) (For EB/EE/EG)
   - Micro-processor IC, (IC2001) (RFKWFHTE80NM) (For GN)

4 Specifications

■ Amplifier Section

RMS Output power: Dolby Digital mode	
Front Ch	30 W per channel (6 Ω), 1 kHz, 10% THD
Subwoofer Ch	60 W per channel (3 Ω), 100 Hz, 10% THD
Total RMS Dolby Digital mode power	120 W

■ Terminal Section

HDAVI Control	This unit supports “HDAVI Control 5” function
HDMI AV input	
Input connector	Type A (19 pin)
HDMI AV ouput	
Output connector	Type A (19 pin)
Digital audio input	
Optical digital input	Optical terminal
Sampling frequency	32 kHz, 44.1 kHz, 48 kHz 88.2 kHz, 96 kHz (only LPCM)
Audio format	Dolby Digital, DTS Digital Surround, LPCM
Analog audio input	
Audio input	Pin jack (1 system)
USB port	For service use only

■ Bluetooth Section

Bluetooth® system specification	Ver. 3.0
Wireless equipment classification	Class 2
Supported profiles	A2DP
Operating frequency	2402 MHz to 2480 MHz
Operation distance	10 m Line of Sight

■ Speaker Section

Front Speaker (built-in)	
Type	1 way, 1 speaker system (bass reflex)
Speaker unit(s)	
Full range	3.8 cm x 9 cm cone type x 2
Subwoofer (built-in)	
Type	1 way, 2 speaker system (bass reflex)
Speaker unit(s)	
Woofer	8 cm cone type x 2

■ General

Power supply	AC 220V to 240 V, 50 Hz
Power consumption	27 W
Dimensions (W x H x D)	460 mm x 60 mm x 280 mm
Mass	3.2 kg
Maximum loading weight	30 kg
Operating temperature range	0 °C to +40 °C
Operating humidity range	20% to 80 % RH (no condensation)
Power consumption in standby mode (with “BLUETOOTH STANDBY” set to “OFF”)	**0.25 W (approximate)**

Note:

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

4.1. Others (Licenses)

Manufactured under license from Dolby Laboratories. Dolby, Pro Logic, and 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.
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HDAVI Control™ is a trademark of Panasonic Corporation.
The Bluetooth® word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Panasonic Corporation is under license. Other trademarks and trade names are those of their respective owners.
Android and Google Play are trademarks or registered trademarks of Google Inc.

5 General/Introduction

5.1. Basic Control & One-Touch Connection (NFC)

Basic control

Preparation
Switch on the TV and/or connected device.

1 **Press [⏻/I] to switch on the system.**

2 **Press [INPUT] repeatedly to select the source.**

TV → BD/DVD → AUX → BLUETOOTH

3 **Press [+ VOL −] to adjust the volume of the system.**
Volume range: 0 to 100

When “BLUETOOTH” is selected as the source
Select this system as the output speaker from the menu of the connected Bluetooth® device.

When “BD/DVD” is selected as the source
On the TV, select the corresponding input of the TV that is connected to this system.

One-Touch Connection (NFC)

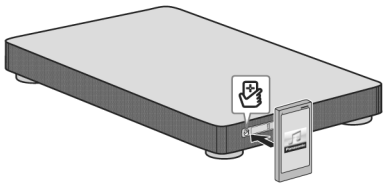
For NFC-compatible Android™ devices only
When you touch an NFC (Near Field Communication)-compatible Bluetooth® device on the NFC touch-area of this system, this system will automatically switch on, pair and connect to the Bluetooth® device.

About NFC
NFC (Near Field Communication) is a short-range wireless technology that allows communication between NFC enabled devices with a touch.

Preparation
- Download and install the free Android™ app “Panasonic Music Streaming” on Google Play™.
- Switch on “NFC” on your device.

1 **Start the “Panasonic Music Streaming” app.**
The application screen is shown.

2 **Touch and hold your device on the NFC touch area of this system until the Bluetooth® connection is done.**
A pop-up window is shown on the device when the connection is done.
The name of the connected device is shown.

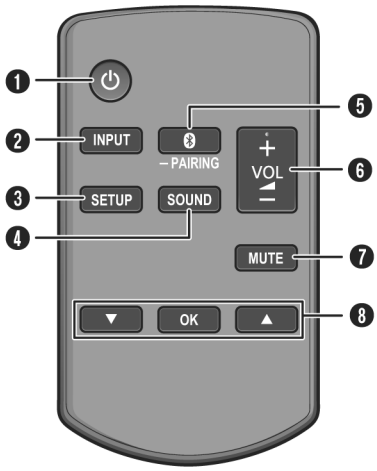


3 **Start playback on your Bluetooth® device.**

Connecting another device
While connected, you can connect to another Bluetooth® device by simply touching and holding it on the NFC touch area of this system. The previous device will be disconnected automatically.

6 Location of Controls and Components

6.1. Main Unit & Remote Control Key Button Operations



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

❷ Select input source

TV → BD/DVD → AUX → BLUETOOTH

❸ View setup menu

❹ View sound menu

❺ Select Bluetooth® mode
Start Bluetooth® pairing mode

❻ Adjust the volume of the system

❼ **Mute the sound of the system**
To cancel, press the button again.
"MUTE" is also cancelled when you adjust the volume or when you switch off the system.

❽ Select and confirm the option

❾ Remote control sensor
Distance: Within approximately 7 m
Angle: Approximately 20° up and down, 30° left and right

❿ Display panel

⓫ NFC touch area

⓬ AC IN terminal

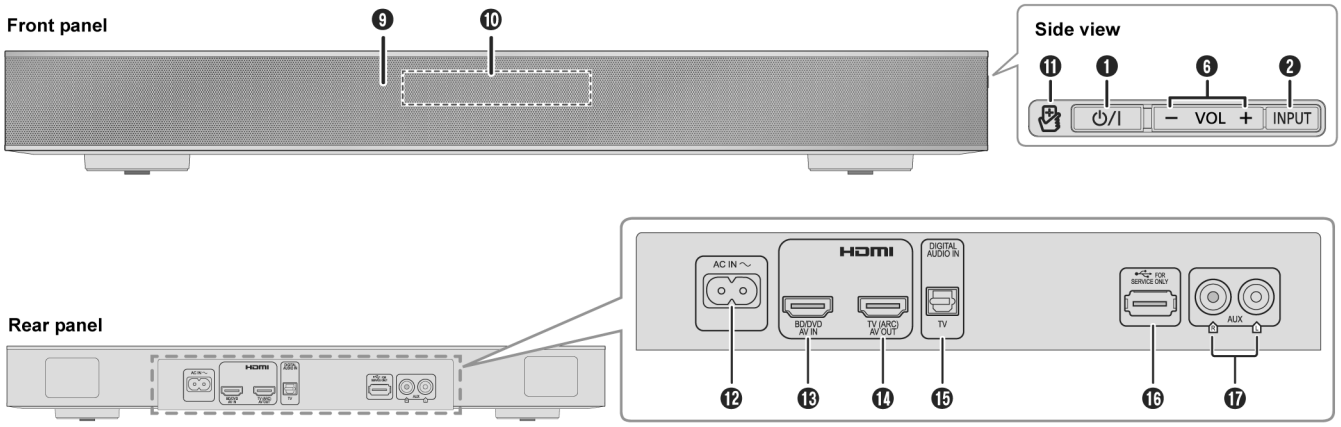
⓭ HDMI IN terminal (BD/DVD)

⓮ HDMI OUT terminal (ARC compatible)

⓯ DIGITAL AUDIO IN (TV) terminal

⓰ USB port (for service use only)

⓱ AUX IN terminal



7 Service Mode

This unit is equipped with features of service mode & doctor mode setting for checking the functions & reliability.

7.1. Self Diagnostic Mode

Here is the procedures to enter into Self Diagnostic Mode.
Step 1 : Turn on the unit.
Step 2 : Pressing and hold [VOL -] on main unit then press [▼] follow by [▲] using the remote control.
Step 3 : The display show as follow.



To exit the Self Diagnostic Mode

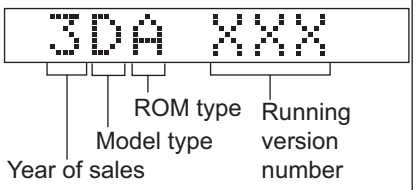
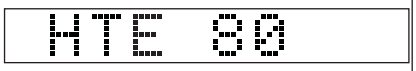
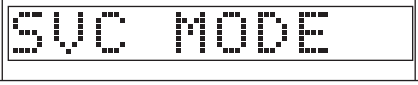
Use either one of the following methods to cancel the Self Diagnostic Mode.

- Press the power button on the main unit or using the remote control.
- Unplug the AC cord.

7.1.1. Self Diagnostic Mode Table 1

Item		FL display	Key operation
Mode name	**Description**		
Service Mode	To enter into Self Diagnostic Mode checking	Example: SVC MODE	Pressing and hold [VOL-] on main unit then press [▼] follow by [▲] using the remote control.
Error code information	Error History Display by pressing button, it goes back its history list.	Example: NO ERROR The [SVC MODE] display will appear after 3s, SVC MODE	In self diagnostic mode: Press [INPUT] button on the remote control. To exit, press [⏻/I] on main unit or remote control.
Operation Time Display information	Accumulation Operation Time Display XX H or XX M (XX stand for the total time value, H = Hours, M = Mins. Example: 15H = 15Hours, 45M = 45 Minutes)	Example: XXM The [SVC MODE] display will appear after 3s, SVC MODE	In self diagnostic mode: Press [MUTE] button on the remote control. To exit, press [⏻/I] on main unit or remote control.

7.1.2. Self Diagnostic Mode Table 2

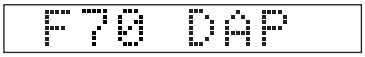
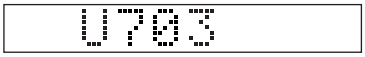
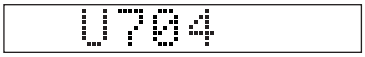
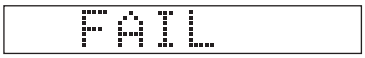
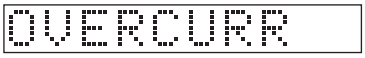
Item		FL display	Key operation
Mode name	Description		
Software Version information	Display the current SW version Software Version display is being indicated in FL display in the format of [3DA XXX]. 1) 3 represent the Sales Year 2) D represent the Model Type 3) A represent the ROM Type 4) xxx represent the Version number	Example:  The [SVC MODE] display will appear after 3s,  	In self diagnostic mode: Press [VOL+] button on the remote control. To exit, press [⏻/I] on main unit or remote control.
Model Name information	Display the model name	Example:  The [SVC MODE] display will appear after 3s,  	Press [VOL+] button 2 times on the remote control. To exit, press [⏻/I] on main unit or remote control.
Region information	Region Setting Refer to 7.1.3 for more information	Example:  The [SVC MODE] display will appear after 3s,  	Press [VOL+] button 3 times on the remote control. To exit, press [⏻/I] on main unit or remote control.

7.1.3. Service Mode Region Check Table

Region Display	FL Display Position								
	POS 9	POS 8	POS 7	POS 6	POS 5	POS 4	POS 3	POS 2	POS 1
Display for North America region	U	S	/	C	A	N	A	D	A
Display for Japan region			J	A	P	A	N		
Display for Europe/ Asia/ South/Centre America/ Russia	E	U	/	O	T	H	E	R	S
Display for China Region			C	H	I	N	A		
Display for Ocenia Region		O	C	E	A	N	I	A	

7.2. Self Diagnostic Function Error Code

7.2.1. Error Code Table

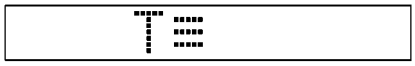
Error Code	Description of error	Automatic FL Display	Diagnostic Contents
F76	Power off the unit during blinking with 250ms ON/250ms OFF.	Example: 	Abnormality in the stabilized Power Supply Refer to 7.2.2 for more information
F61	Power off the unit during blinking with 250ms ON/250ms OFF.	Example: 	Power AMP Output Error Refer to 7.2.2 for more information
F70 DAP	Blinking with 250ms ON / 250ms OFF repeatedly unless user power off.	Example: 	Communication error between DAP module and microprocessor
F70 HDMI	Blinking with 250ms ON / 250ms OFF repeatedly unless user power off.	Example: 	Communication error between HDMI Module and microprocessor Refer to 7.2.2 for more information
F70 BT	Blinking with 250ms ON / 250ms OFF repeatedly unless user power off.	Example: 	Communication error between Bluetooth Module and microprocessor
U701	Blinking with 250ms ON / 250ms OFF repeatedly unless user power off.	Example: 	HDMI connection acts unusually Refer to 7.2.2 for more information
U703	Blinking with 250ms ON / 250ms OFF repeatedly unless user power off.	Example: 	HDMI connection acts unusually Refer to 7.2.2 for more information
U704	Blinking with 250ms ON / 250ms OFF repeatedly unless user power off.	Example: 	HDMI connection acts unusually Refer to 7.2.2 for more information
USB Update Fail	Display Remained unless user power off.	Example: 	USB updating of Software Failed
USB Overcurrent	Display Remained unless user power off.	Example: 	USB device drawing too much current upon insert to mainset Refer to 7.2.2 for more information

7.2.2. Error Code Troubleshooting

Symptomps	Please check here for the handling	Applicable for:
No sound ouput, the power supply is turned off after [F76]/[F61] indicator flashing. (The protection circuit worked, this system will be automatically powered off if the abnormalities occurs)	There is abnormality in amplifier Do not turn to high volume. Do not use it on high temperature place. After fix the cause, turn on the power again after waiting for a while (Operation of protection circuit is canceled) If the symtoms is still occurs and both TV and [AUX] flashing, please contact your dealer.	F76/F61
[F70 HDMI] blinking and No Sound	There is problem on HDMI Connection. Please perform following action. If problem persist, please contact your dealer. -Please switch ON/OFF the connected HDMI device. -Please disconnect the HDMI Cable.	U701/U703/U704/ F70 HDMI
Insert USB device,[OVERCURR.] is display	The USB device is drawing too much power. Switch to “TV”selector mode, remove the USB and turn the unit off.	USB Overcurrent

7.3. Doctor Mode

Here is the procedures to enter into Self Diagnostic Mode.
Step 1 : Turn on the unit.
Step 2 : Pressing and hold [VOL -] on main unit then press [VOL -] follow by [VOL +] using the remote control.
Step 3 : The display show as follow.

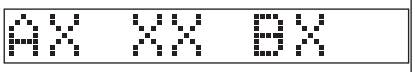
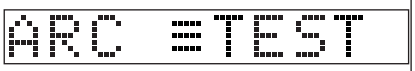
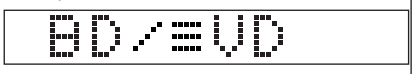
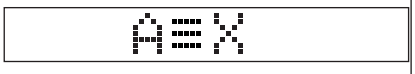
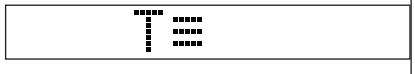


To exit the Doctor Mode

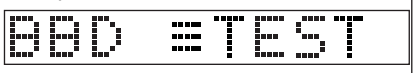
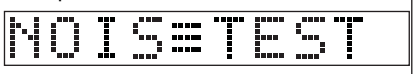
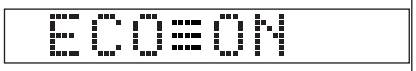
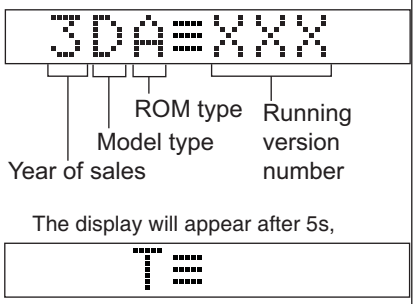
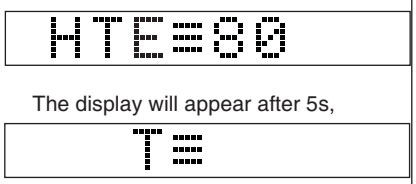
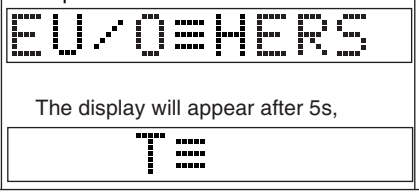
Use either one of the following methods to cancel the Doctor Mode.

- Press the power button on the main unit or using the remote control.
- Unplug the AC cord.

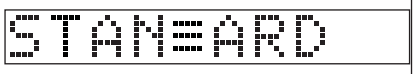
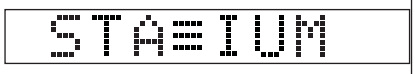
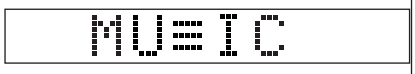
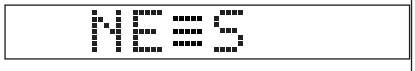
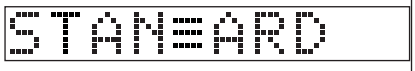
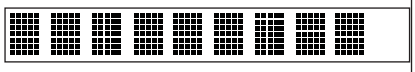
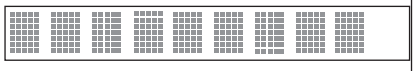
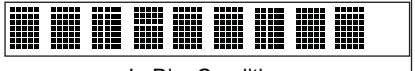
7.3.1. Doctor Mode Table 1

Item		FL display	Key operation
Mode name	**Description**		
Doctor Mode	To enter into Doctor Mode checking	Example: 	Pressing and hold [VOL -] on main unit then press [VOL -] follow by [VOL +] using the remote control. To exit, press [⏻/I] on main unit or remote control.
Bluetooth Module Mac Address Test	Display 1st 6 byte of Bluetooth Module MAC ADDRESS for 4 sec and followed by last 6 byte (xx xx xx = 1st 6byte of mac ID)-LEFT aligned Display Last 6 byte of Bluetooth Module MAC ADDRESS for 4 sec before return to display of 1st 6 byte (YY YY YY = last 6byte of mac ID)-RIGHT aligned	Example:  The display will appear after 4s, 	In Doctor Mode: Press [BLUETOOTH] button on the remote control. To exit, press [⏻/I] on main unit or remote control.
ARC In Test	ARC-IN Test without ARC equipment (ARC input fix)	Example: 	In Doctor Mode: Press [▲] button on the remote control. To exit, press [⏻/I] on main unit or remote control.
All Ch O/P Test	All Channel output for Temperature Rising test (Signal is output from all channel including subwoofer)	Example: 	In Doctor Mode: Press [INPUT] button on the remote control. To exit, press [⏻/I] on main unit or remote control.
BD/DVD Test	From TV Selector Test, Direct to BD/DVD selector Test	Example: 	In Doctor Mode: Press [▼] button on the XH2012 remote control. To exit, press [⏻/I] on main unit or remote control.
AUX Test	From BD/DVD Selector Test, Direct to AUX selector Test	Example: 	Press [▼] button 2 times on the XH2012 remote control. To exit, press [⏻/I] on main unit or remote control.
TV OPT Test	From AUX Selector Test, Direct to TV selector Test	Example: 	Press [▼] button 3 times on the XH2012 remote control. To exit, press [⏻/I] on main unit or remote control.

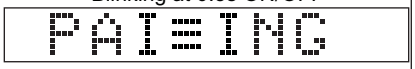
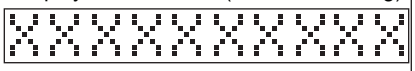
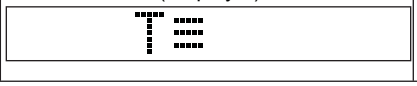
7.3.2. Doctor Mode Table 2

Item		FL display	Key operation
Mode name	**Description**		
BBD Test	BBD Check (After this mode, Subwoofer Level is fixed to "1").	Example: 	In Doctor Mode: Press [VOL -] button on the remote control. To exit, press [⏻/I] on main unit or remote control.
Residual Noise Test	Residual Noise Check	Example: 	In Doctor Mode: Press [▼] button on the remote control. To exit, press [⏻/I] on main unit or remote control.
ECO mode Test	ECO mode check (Switch ECO mode setting ON and OFF)	Example: 	In Doctor Mode: Press [MUTE] button on the remote control. To exit, press [⏻/I] on main unit or remote control.
		Example: 	In Doctor Mode: Press [MUTE] button again on the remote control. To exit, press [⏻/I] on main unit or remote control.
uP software version	Display the current SW version Software Version display is being indicated in FL display in the format of [3DA XXX]. 1) 3 represent the Sales Year 2) D represent the Model Type 3) A represent the ROM Type 4) xxx represent the Version number	Example: 	In Doctor Mode: Press [VOL +] button on the remote control. To exit, press [⏻/I] on main unit or remote control.
Model name	Model name Display	Example: 	Press [VOL +] button 2 times on the remote control. To exit, press [⏻/I] on main unit or remote control.
Region display	Region Setting Refer to 7.3.4 for more information	Example: 	Press [VOL +] button 3 times on the remote control. To exit, press [⏻/I] on main unit or remote control.

7.3.3. Doctor Mode Table 3

Item		FL display	Key operation
Mode name	**Description**		
Sound Mode Test	Standard Sound Mode check	Example: 	In Doctor Mode: Press [SOUND] button on the remote control. To exit, press [⏻/I] on main unit or remote control.
	Stadium Sound Mode check	Example: 	Press [SOUND] button 2 times on the remote control. To exit, press [⏻/I] on main unit or remote control.
	Music Sound Mode check	Example: 	Press [SOUND] button 3 times on the remote control. To exit, press [⏻/I] on main unit or remote control.
	Cinema Sound Mode check	Example: 	Press [SOUND] button 4 times on the remote control. To exit, press [⏻/I] on main unit or remote control.
	News Sound Mode check	Example: 	Press [SOUND] button 5 times on the remote control. To exit, press [⏻/I] on main unit or remote control.
	Stereo Sound Mode check	Example: 	Press [SOUND] button 6 times on the remote control. To exit, press [⏻/I] on main unit or remote control.
	Standard Sound Mode check	Example: 	Press [SOUND] button 7 times on the remote control. To exit, press [⏻/I] on main unit or remote control.
FL Dimmer Mode	To check the FL segments display (All segments will light up)	Example:  In Dim Condition	In Doctor Mode: Press [OK] button on the remote control. To exit, press [⏻/I] on main unit or remote control.
		Example:  In Bright Condition	Press [OK] button 2 times on the remote control. To exit, press [⏻/I] on main unit or remote control.
		Example:  In Dim Condition	Press [OK] button 3 times on the remote control. To exit, press [⏻/I] on main unit or remote control.

7.3.4. Doctor Mode Table 4

Item		FL display	Key operation
Mode name	Description		
Bluetooth Pairing Test	Direct to Bluetooth Checking (Auto Pairing → Connected → Disconnected) - It starts discoverable after tap NFC device to mainset and once BT pair and connected, it will stay connected for 5 sec and disconnect and return to TV selector Test after 5 sec timer is reached.	Example: (Display 1)  (Display 2) Blinking at 0.5s ON/OFF  (Display 3) Display Device Name (Static or scrolling)  (Display 4) 	In Doctor Mode: Tap NFC device to Mainset or Press [▲] button on the XH2012 remote control. To exit, press [⏻/I] on main unit or remote control.

7.3.5. Doctor Mode Region Check Table

Region Display	FL Display Position								
	POS 9	POS 8	POS 7	POS 6	POS 5	POS 4	POS 3	POS 2	POS 1
Display for North America region	U	S	/	C	Ξ	N	A	D	A
Display for Japan region			J	A	Ξ	A	N		
Display for Europe/ Asia/ South/Centre America/ Russia	E	U	/	O	Ξ	H	E	R	S
Display for China Region			C	H	Ξ	N	A		
Display for Ocenia Region		O	C	E	Ξ	N	I	A	

8 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)**

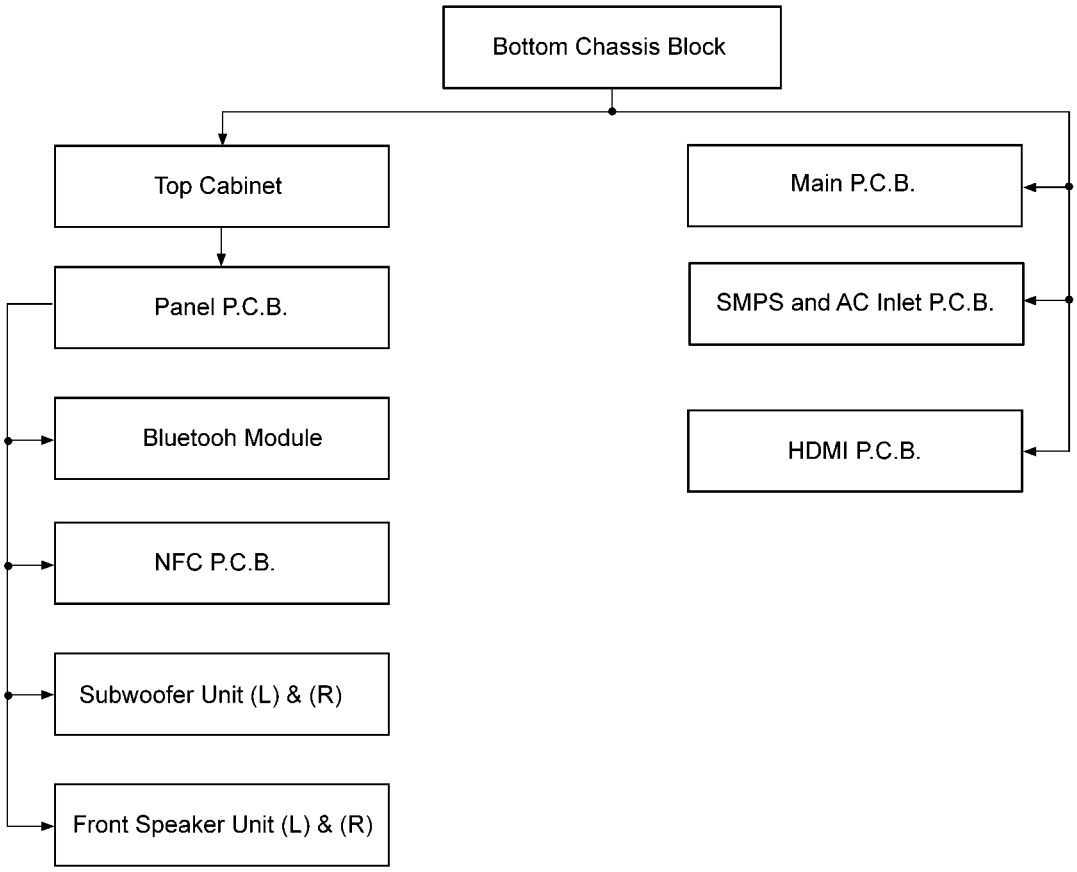


- **During disassembly and assembly, please ensure proper service tools, equipments or jigs is being used.**
- **During replacement of component parts, please refer to the section of "Replacement Parts List" as described in the service manual.**
- **Select items from the following indexes when disassembly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

- **Disassembly of Bottom Chassis Block**
- **Disassembly of Main P.C.B.**
- **Disassembly of SMPS and AC Inlet P.C.B.**
- **Disassembly of HDMI P.C.B.**
- **Disassembly of Top Cabinet**
- **Disassembly of Panel P.C.B.**
- **Disassembly of Bluetooth Module**
- **Disassembly of NFC P.C.B.**
- **Disassembly of Subwoofer Unit (L) & (R)**
- **Disassembly of Front Speaker Unit (L) & (R)**
- **Assembly of Wire Dressing for Subwoofer Unit**
- **Assembly of Wire Dressing for Front Speaker Unit**
- **Assembly of Wire Dressing for NFC P.C.B.**

8.1. 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.



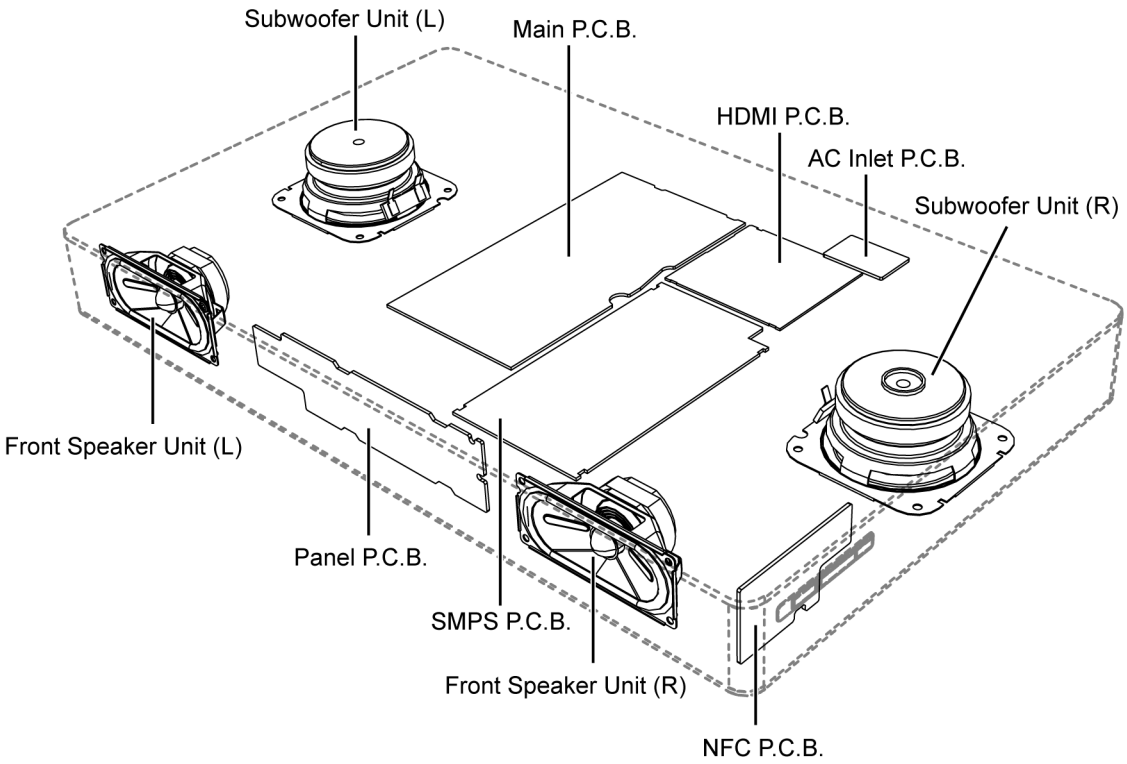
8.2. Types of Screws

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

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

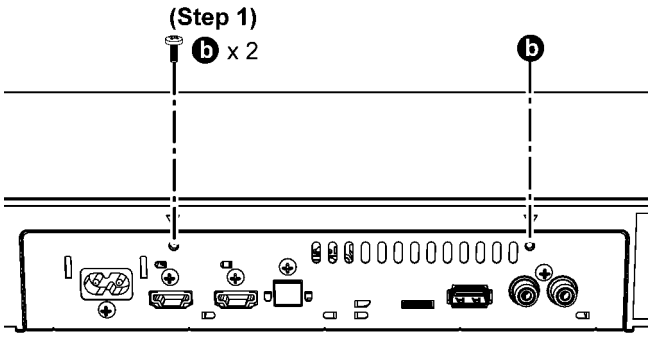
- ⓐ : XTB3+12JFJK
- ⓑ : RHD30119-K (For EB/EG/GN-K)
- ⓑ : RHD30119-S (For EB/EE/EG/GN-S)
- ⓒ : RHD30172
- ⓓ : RHD14136
- ⓔ : RHD26046

8.3. Main Parts Location Diagram

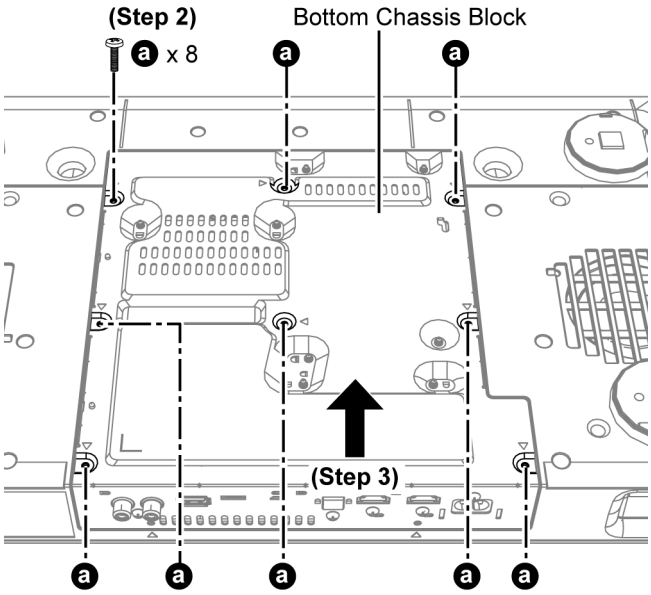


8.4. Disassembly of Bottom Chassis Block

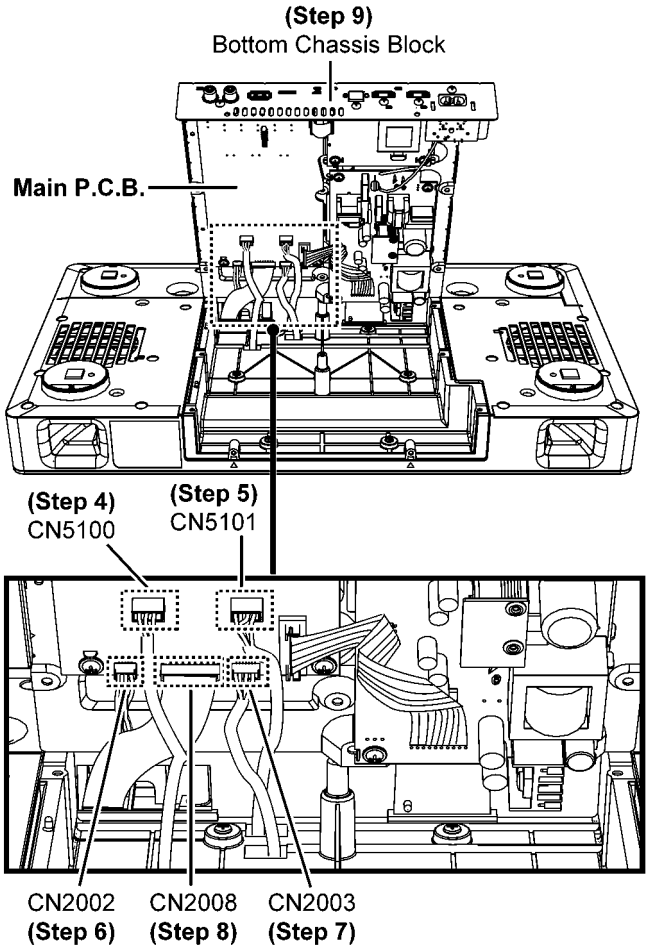
Step 1 : Remove 2 screws.



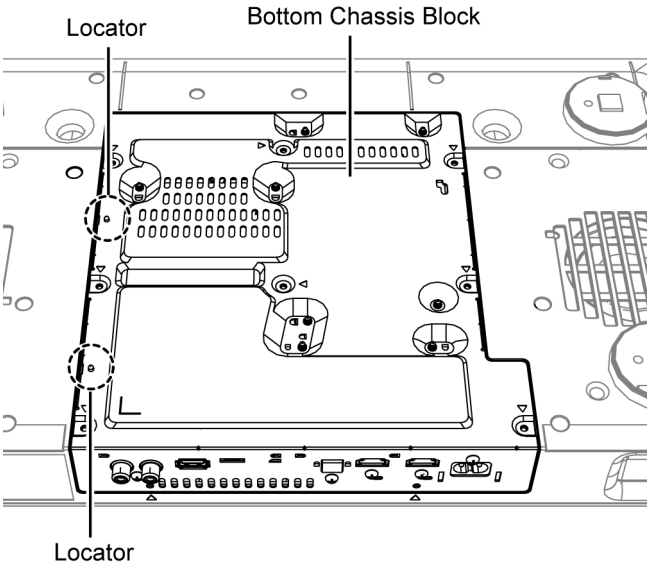
Step 2 : Remove 8 screws.
Step 3 : Lift up the Bottom Chassis Block.



Step 4 : Detach 4P wire at connector (CN5100) on the Main P.C.B..
Step 5 : Detach 4P wire at connector (CN5101) on the Main P.C.B..
Step 6 : Detach 5P wire at connector (CN2002) on the Main P.C.B..
Step 7 : Detach 7P wire at connector (CN2003) on the Main P.C.B..
Step 8 : Detach 16P FFC at connector (CN2008) on the Main P.C.B..
Step 9 : Remove Bottom Chassis Block.



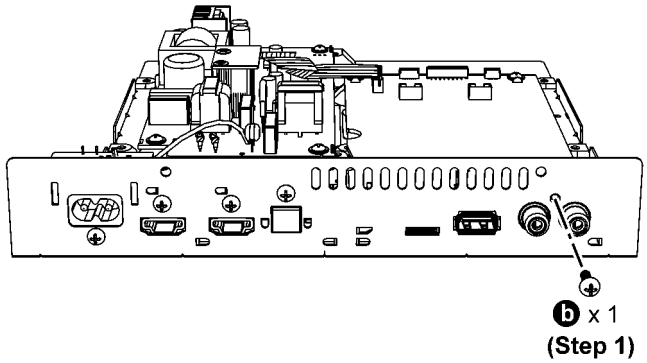
Caution : During assembling, ensure that the Bottom Chassis Block is properly seated into the locators.



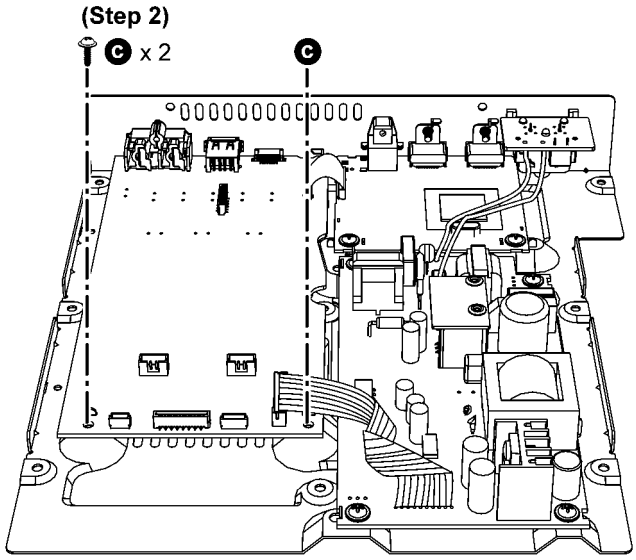
8.5. Disassembly of Main P.C.B.

• Refer to “Disassembly of Bottom Chassis Block”

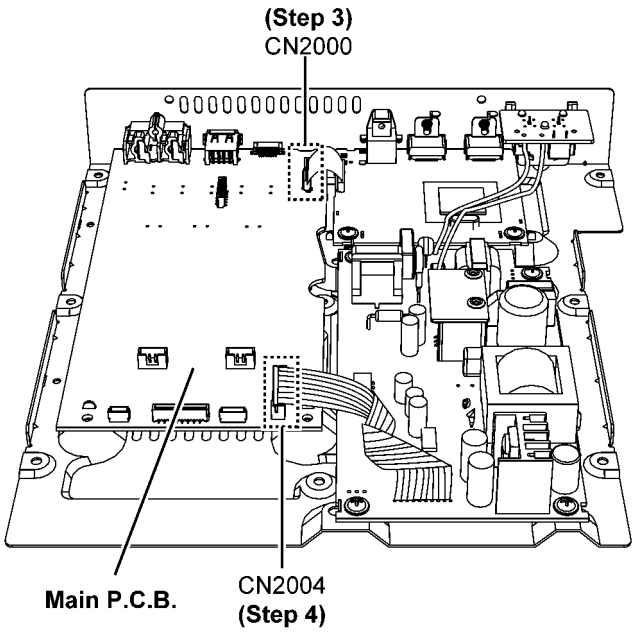
Step 1 : Remove 1 screw.



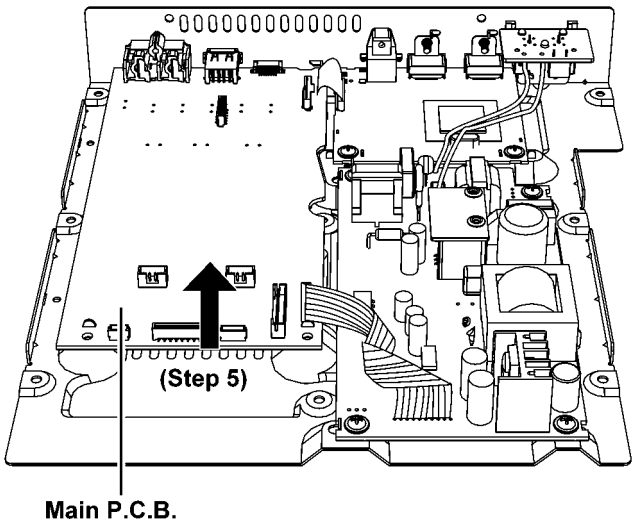
Step 2 : Remove 2 screws.



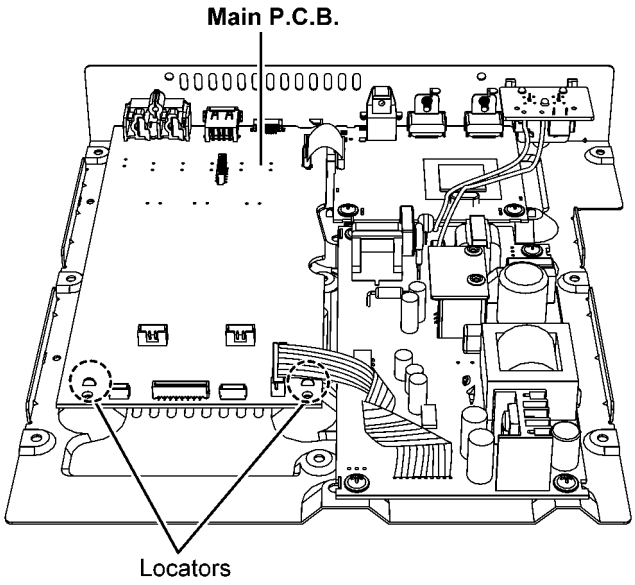
Step 3 : Detach 30P FFC at connector (CN2000) on the Main P.C.B..
Step 4 : Detach 10P cable at connector (CN2004) on the Main P.C.B..



Step 5 : Slightly lift up to remove the Main P.C.B..



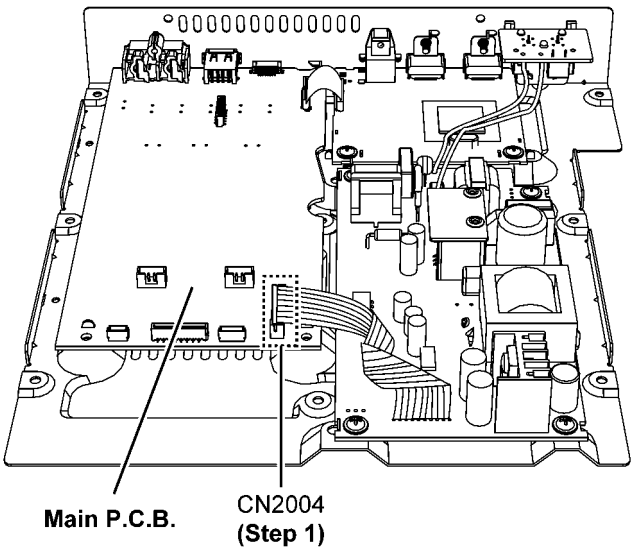
Caution : During assembling, ensure that the Main P.C.B. is inserted and seated properly onto the 2 locators.



8.6. Disassembly of SMPS and AC Inlet P.C.B.

• Refer to “Disassembly of Bottom Chassis Block”

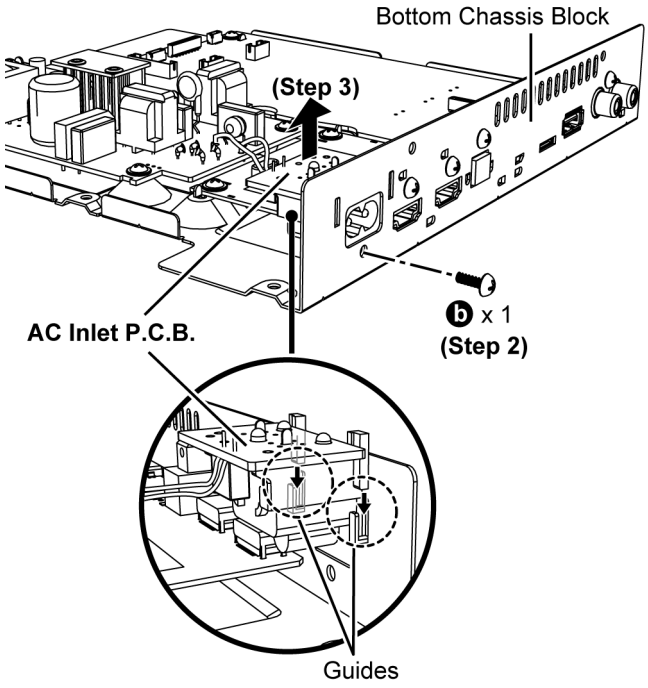
Step 1 : Detach 10P cable at connector (CN2004) on the Main P.C.B..



Step 2 : Remove 1 screw.

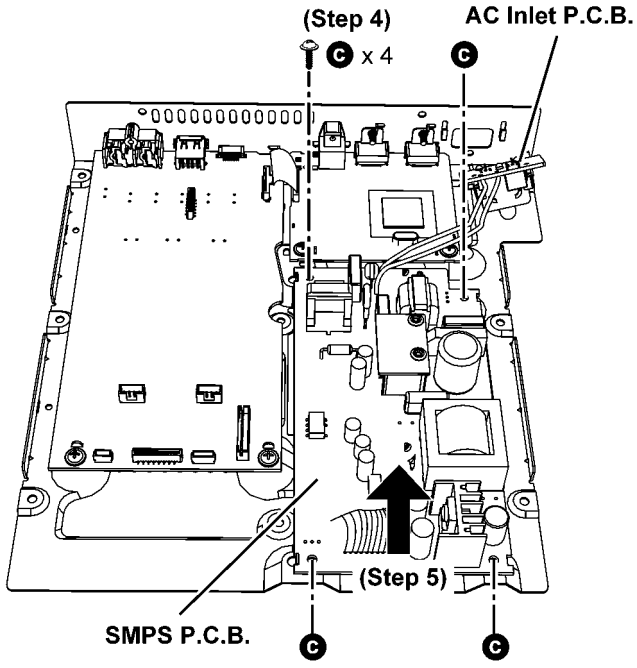
Step 3 : Lift up the AC Inlet P.C.B..

Caution: During assembling, ensure that the AC Inlet P.C.B. is inserted properly into the guides at the Bottom Chassis Block.

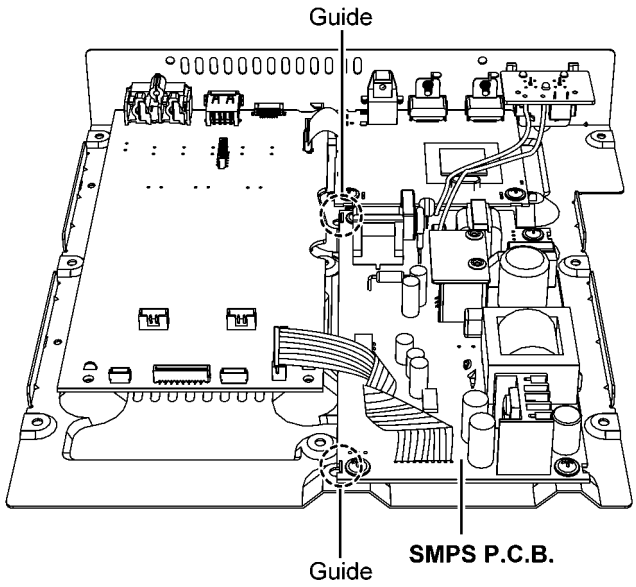


Step 4 : Remove 4 screws.

Step 5 : Slightly lift up to remove the SMPS and AC Inlet P.C.B..



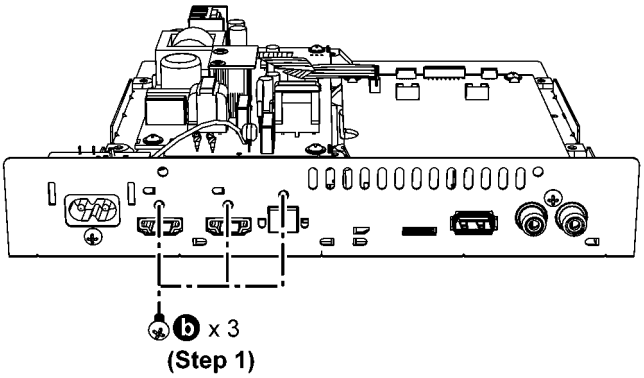
Caution: During assembling, ensure that the SMPS P.C.B. is seated properly into the guides.



8.7. Disassembly of HDMI P.C.B.

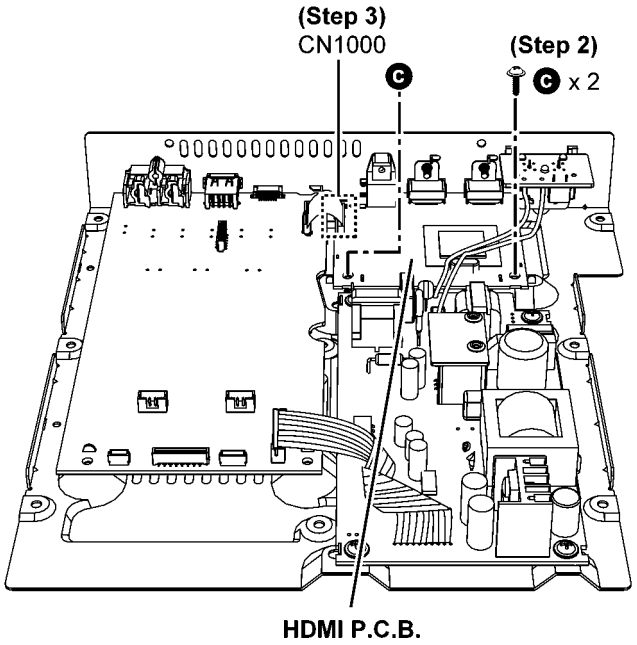
• Refer to “Disassembly of Bottom Chassis Block”

Step 1 : Remove 3 screws.

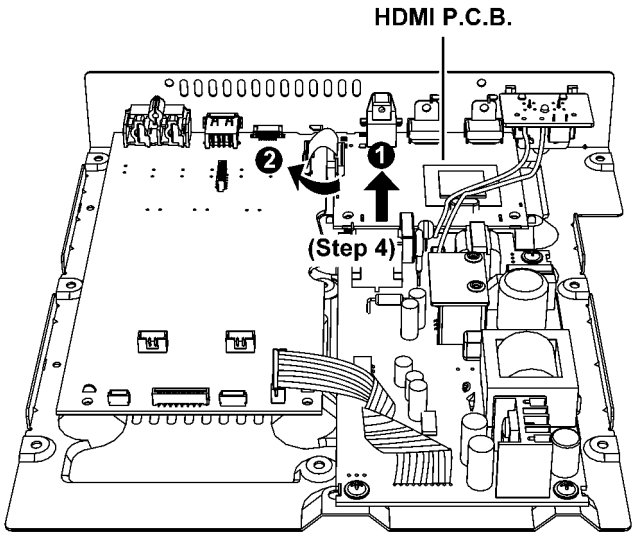


Step 2 : Remove 2 screws.

Step 3 : Detach 30P FFC at connector (CN1000) on the HDMI P.C.B..



Step 4 : Remove the HDMI P.C.B. in sequence (1-2) as shown.

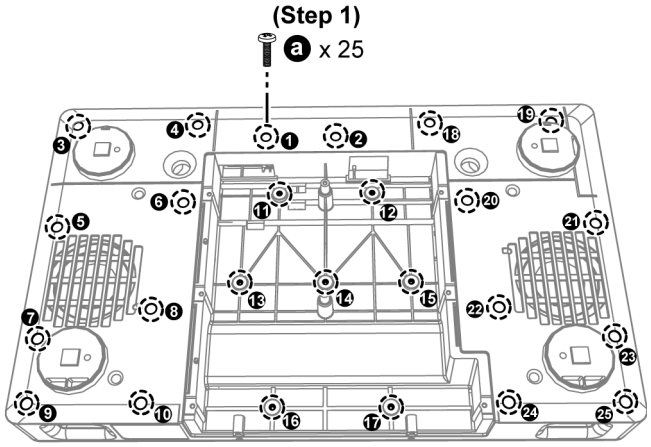


8.8. Disassembly of Top Cabinet

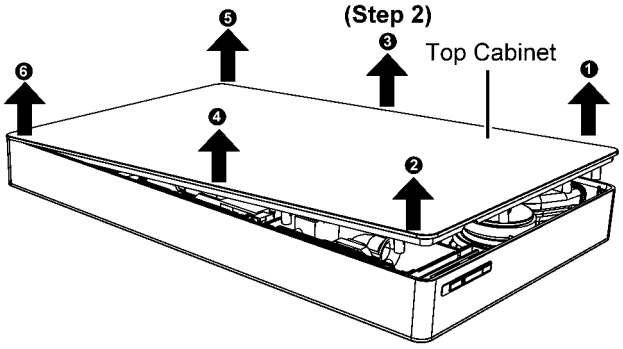
• Refer to “Disassembly of Bottom Chassis Block”

Step 1 : Remove 25 screws.

Caution : During assembling, fixed the screws in sequence of 1 to 25 as shown.

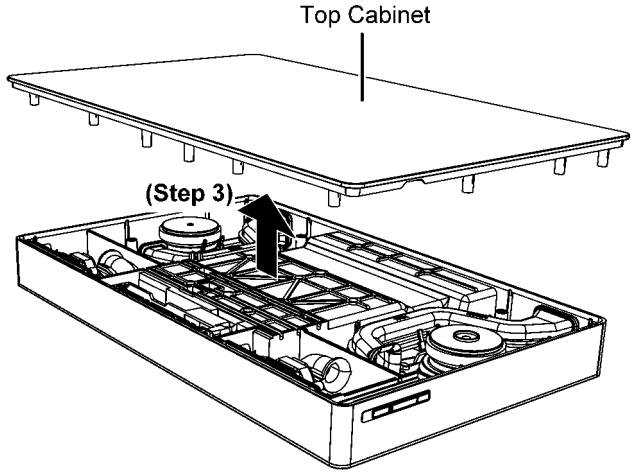


Step 2 : Detach the Top Cabinet in sequence (1-6) as shown.



Step 3 : Remove the Top Cabinet.

Caution : During assembling, ensure that the Top Cabinet is fully seated.

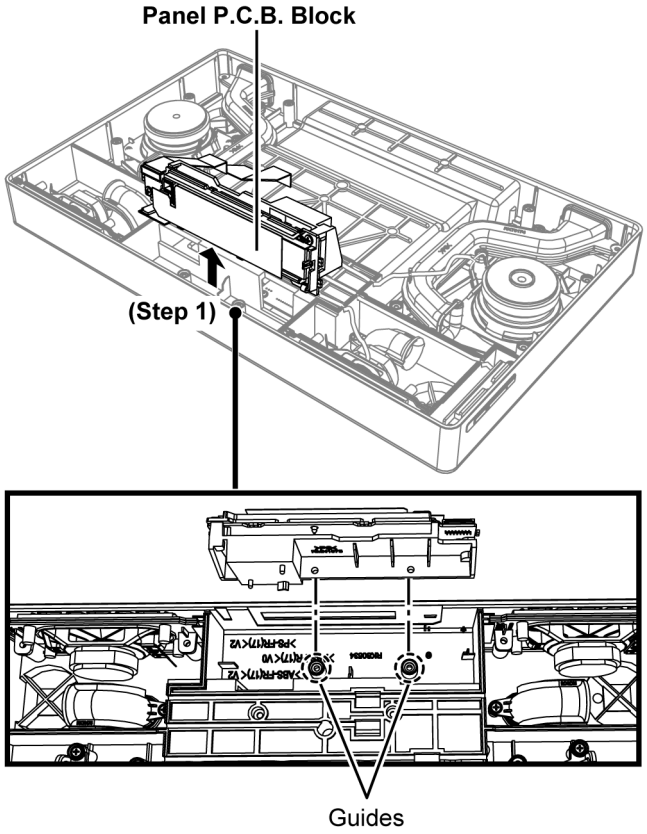


8.9. Disassembly of Panel P.C.B.

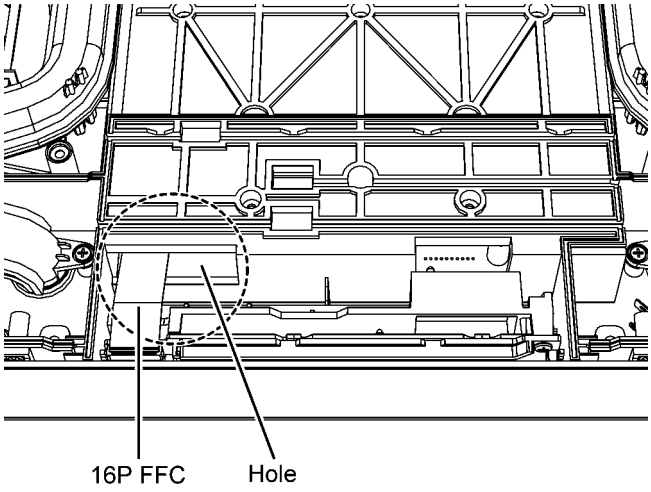
- Refer to “Disassembly of Bottom Chassis Block”
- Refer to “Disassembly of Top Cabinet”

Step 1 : Remove the Panel P.C.B. Block.

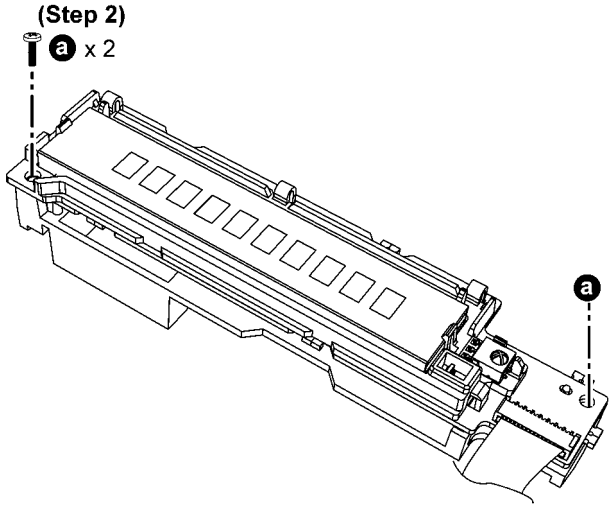
Caution : During assembling, ensure that the Panel P.C.B. Block is inserted properly into the guides.



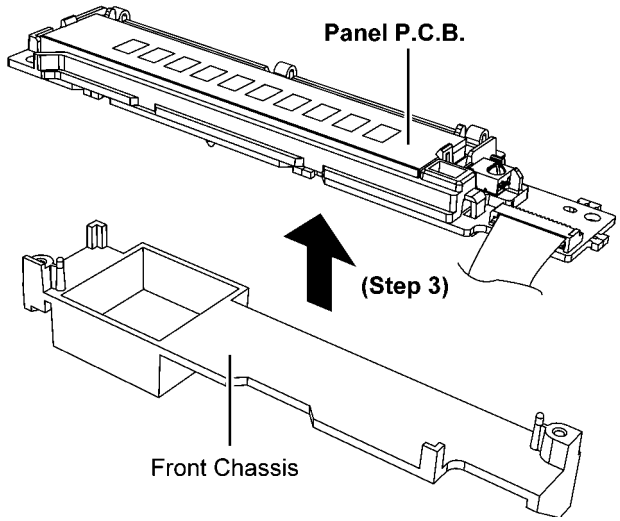
Caution : During assembling, ensure that the 16P FFC is slot into the hole.



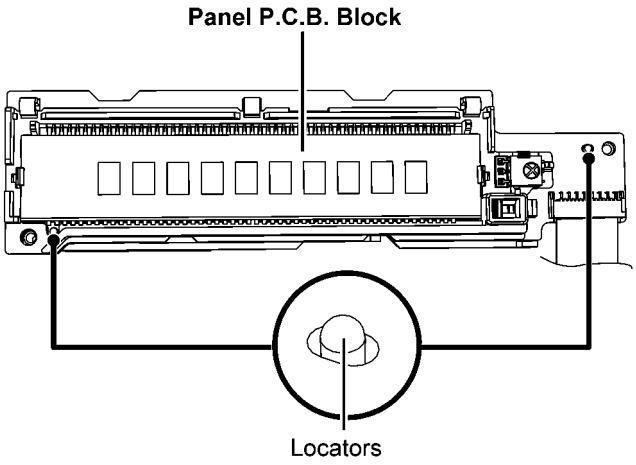
Step 2 : Remove 2 screws.



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



Caution : During assembling, ensure that the Panel P.C.B. Block is seated properly onto the 2 locators of the Front Chassis.

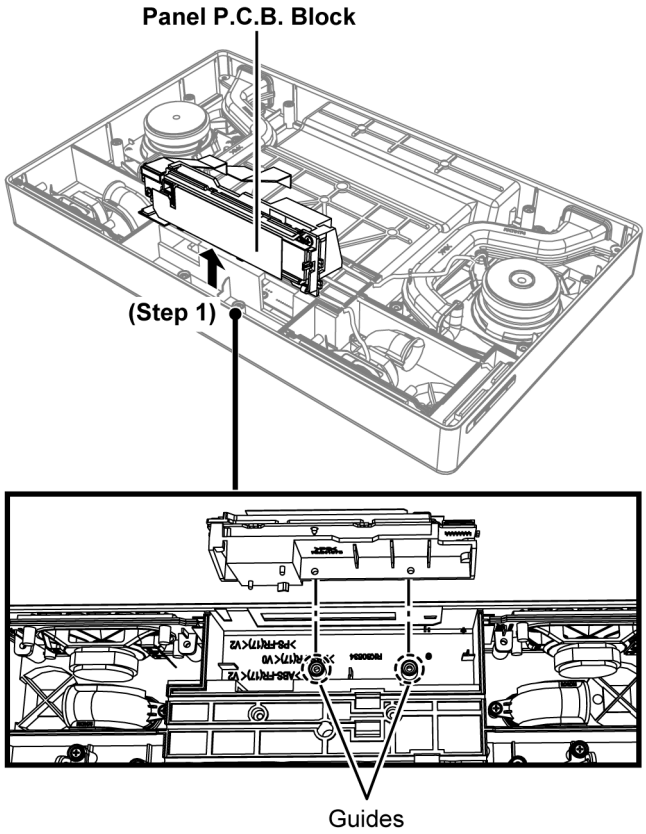


8.10. Disassembly of Bluetooth Module

- Refer to “Disassembly of Bottom Chassis Block”
- Refer to “Disassembly of Top Cabinet”

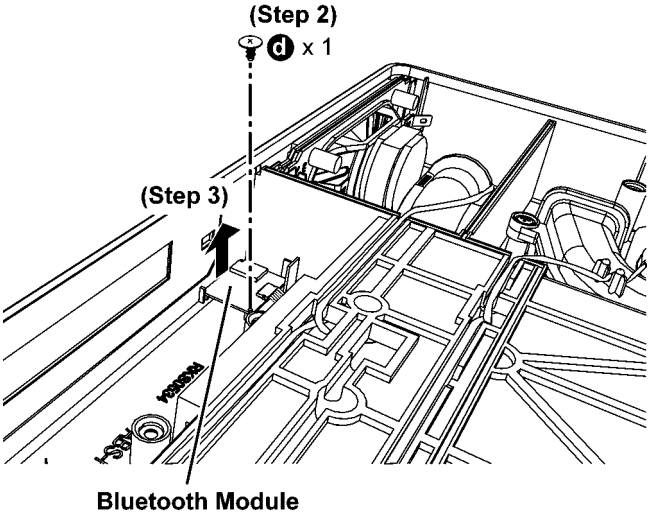
Step 1 : Remove the Panel P.C.B. Block.

Caution : During assembling, ensure that the Panel P.C.B. Block is inserted properly into the guides.

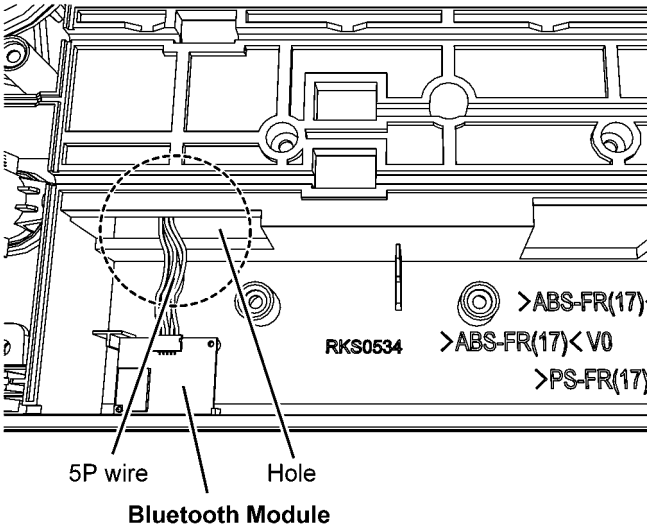


Step 2 : Remove 1 screw.

Step 3 : Remove the Bluetooth Module.



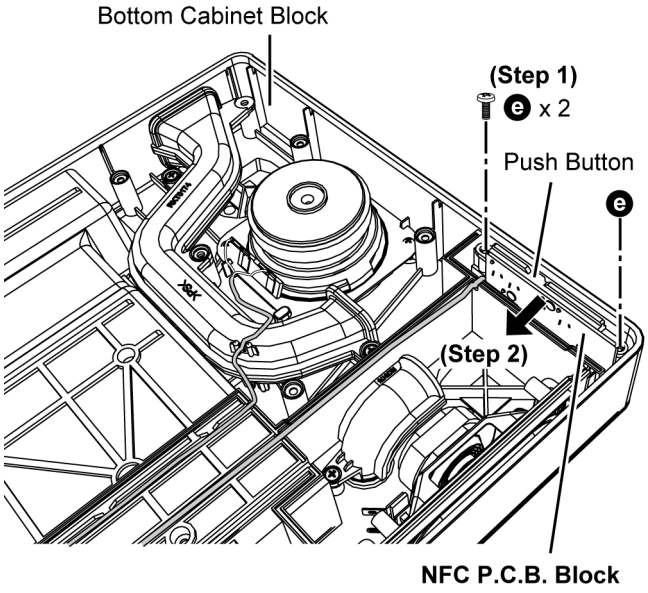
Caution : During assembling, ensure that the 5P wire is inserted into the hole.



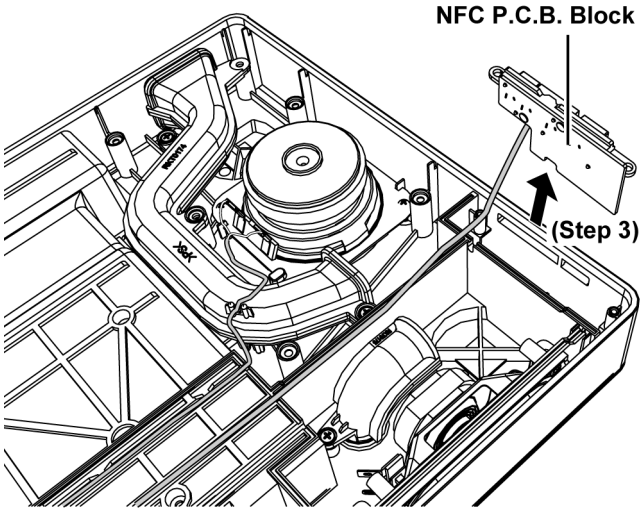
8.11. Disassembly of NFC P.C.B.

- Refer to “Disassembly of Bottom Chassis Block”
- Refer to “Disassembly of Top Cabinet”

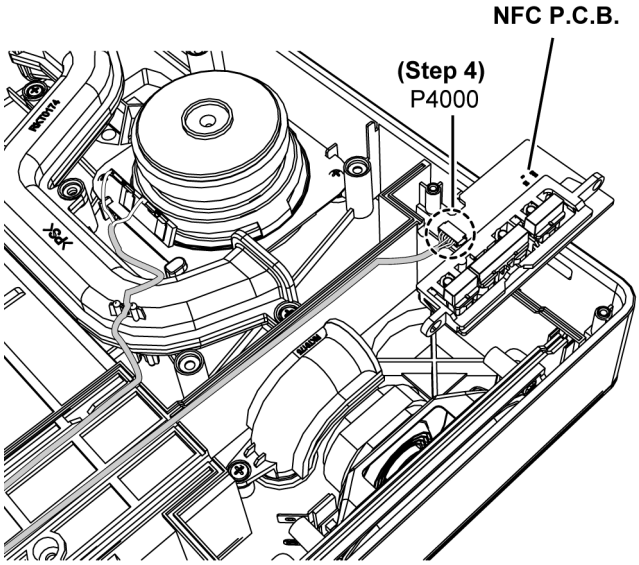
Step 1 : Remove 2 screws.
Step 2 : Release the Push Button from the Bottom Cabinet Block.



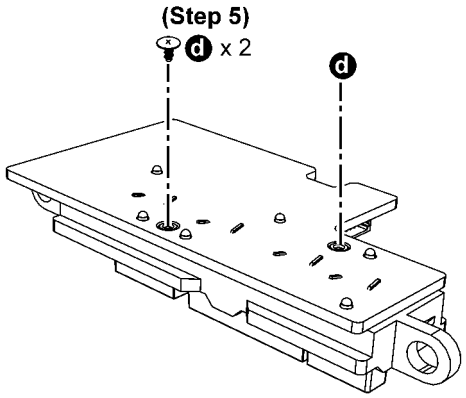
Step 3 : Lift up to remove the NFC P.C.B. Block.
Caution : During assembling, ensure that the Push Button and NFC P.C.B. are fitted properly to Bottom Cabinet Block.



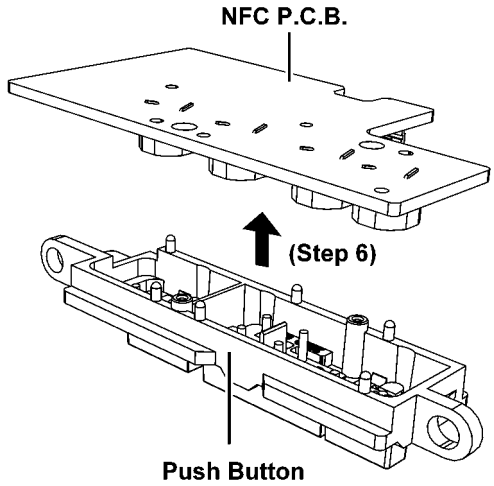
Step 4 : Detach 7P wire at connector (P4000) on the NFC P.C.B..



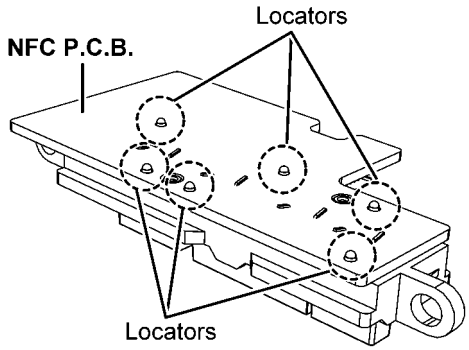
Step 5 : Remove 2 screws.



Step 6 : Remove the NFC P.C.B..

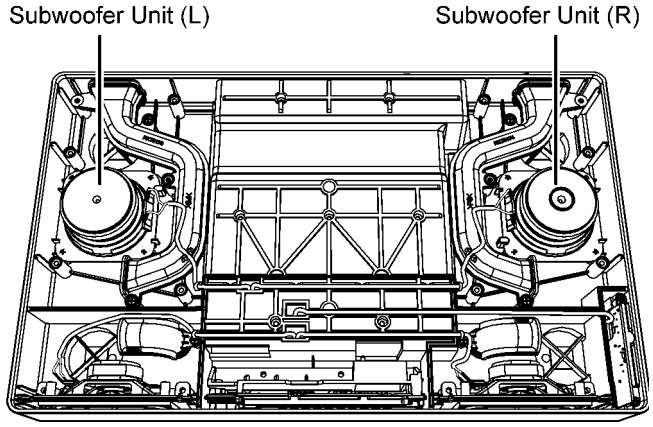


Caution : During assembling, ensure that the NFC P.C.B. is properly seated into the locators.



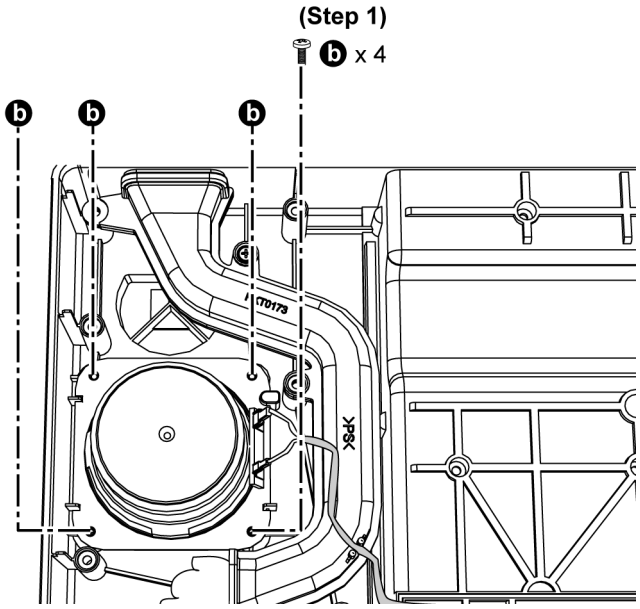
8.12. Disassembly of Subwoofer Unit (L) & (R)

Picture shows the location of the Subwoofer Unit (L) & (R).
The disassembling procedure for Subwoofer Unit (L) will be described only.
For Subwoofer Unit (R) please refer to the same procedure described here.

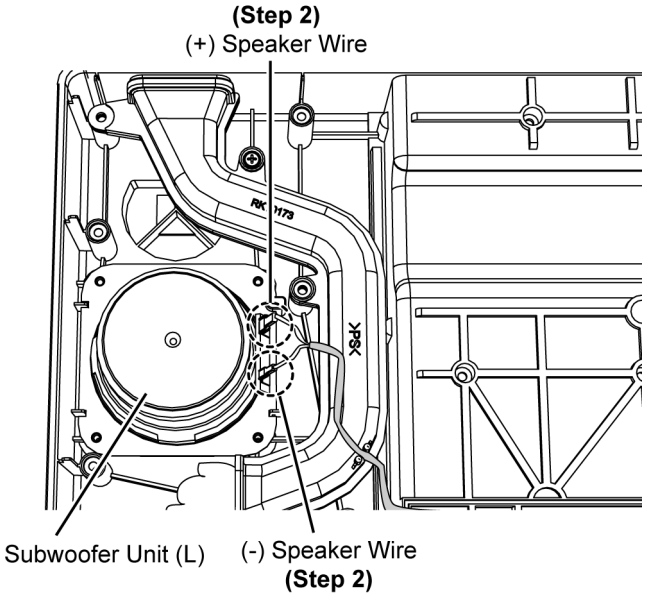


- Refer to “Disassembly of Bottom Chassis Block”
- Refer to “Disassembly of Top Cabinet”

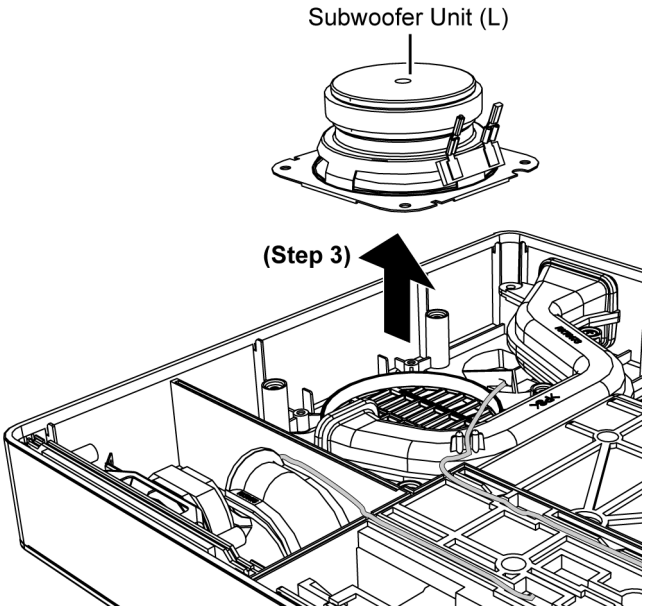
Step 1 : Remove 4 screws.



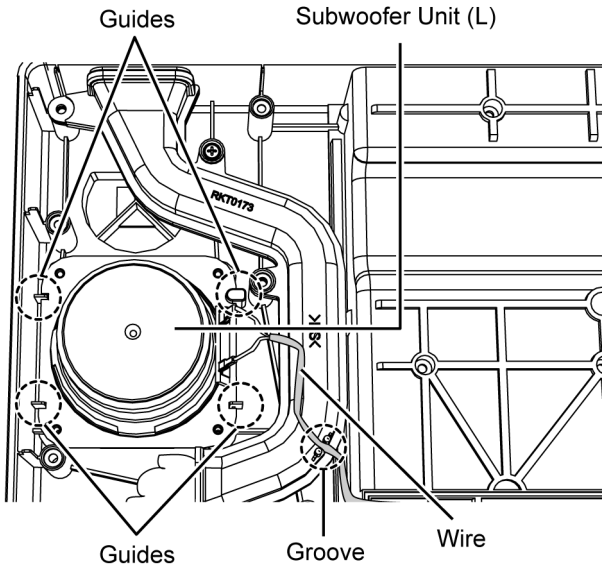
Step 2 : Detach the speaker wire.



Step 3 : Remove the Subwoofer Unit (L).

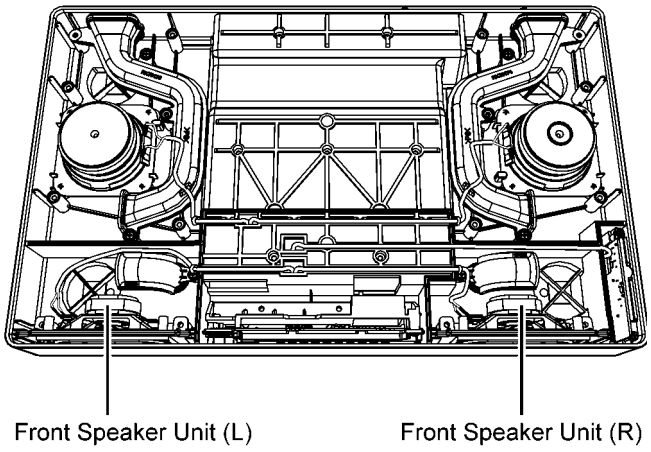


Caution 1 : During assembling, ensure that the Subwoofer Speaker Unit (L) is seated properly onto the guides.
Caution 2 : During assembling, ensure that the Wire is dressed properly onto the grooves.



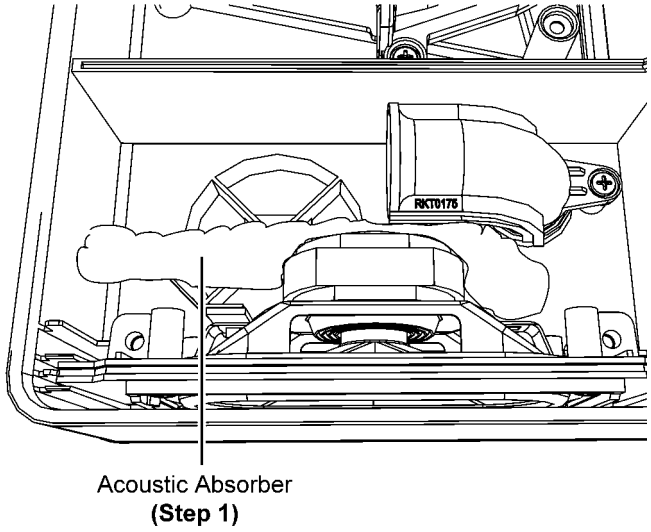
8.13. Disassembly of Front Speaker Unit (L) & (R)

Picture shows the location of the Front Speaker Unit (L) & (R).
The disassembling procedure for Front Speaker Unit (L) will be described only.
For Front Speaker Unit (R) please refer to the same procedure described here.

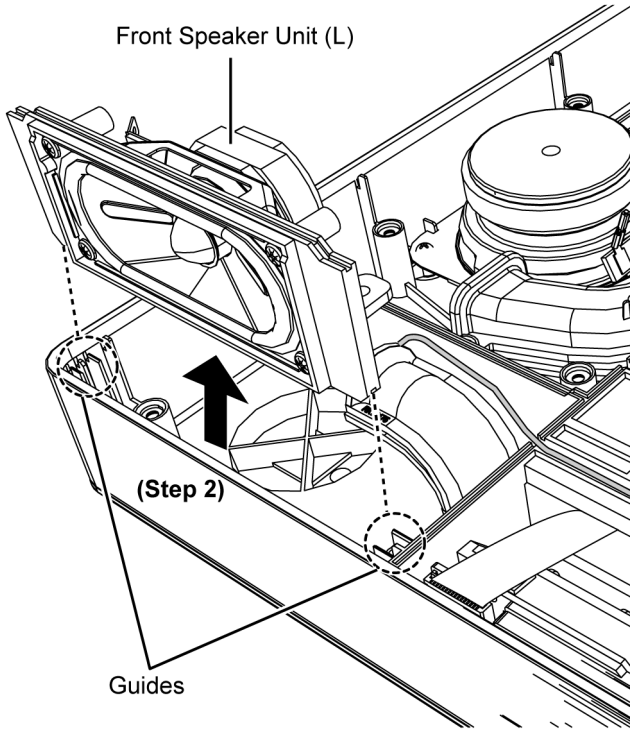


- Refer to “Disassembly of Bottom Chassis Block”
- Refer to “Disassembly of Top Cabinet”

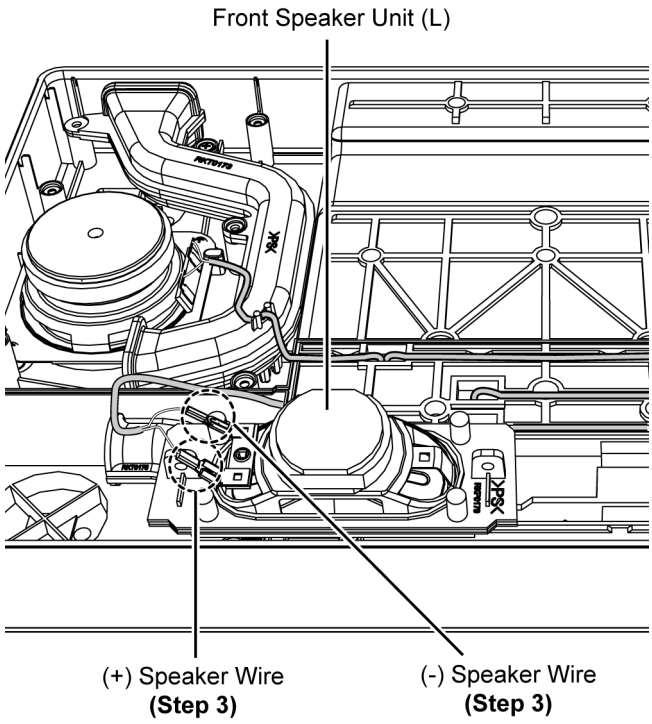
Step 1 : Remove the Acoustic Absorber.
Caution : Safe keep the Acoustic Absorber and place them back during assembling.



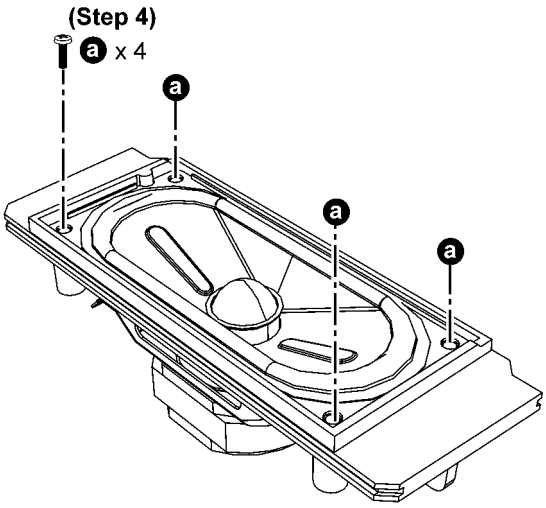
Step 2 : Lift up the Front Speaker Unit (L).
Caution : During assembling, ensure that the Front Speaker Unit (L) is inserted properly onto the guides.



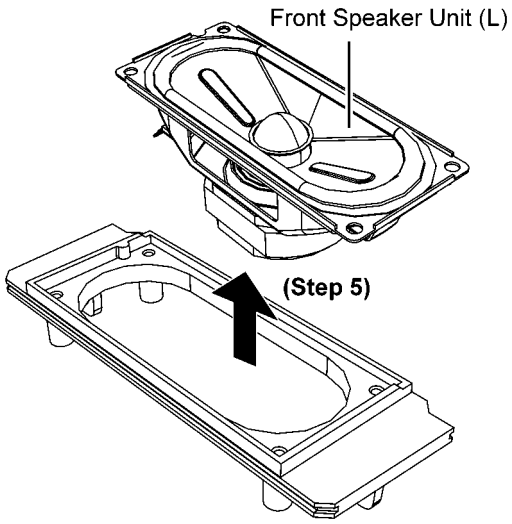
Step 3 : Lift up the Front Speaker Unit (L).



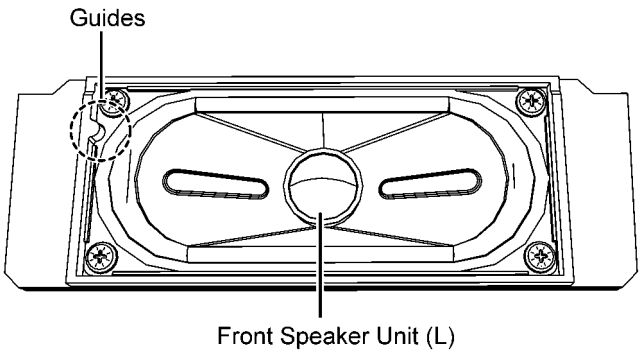
Step 4 : Remove 4 screws.



Step 5 : Remove the Front Speaker Unit (L).



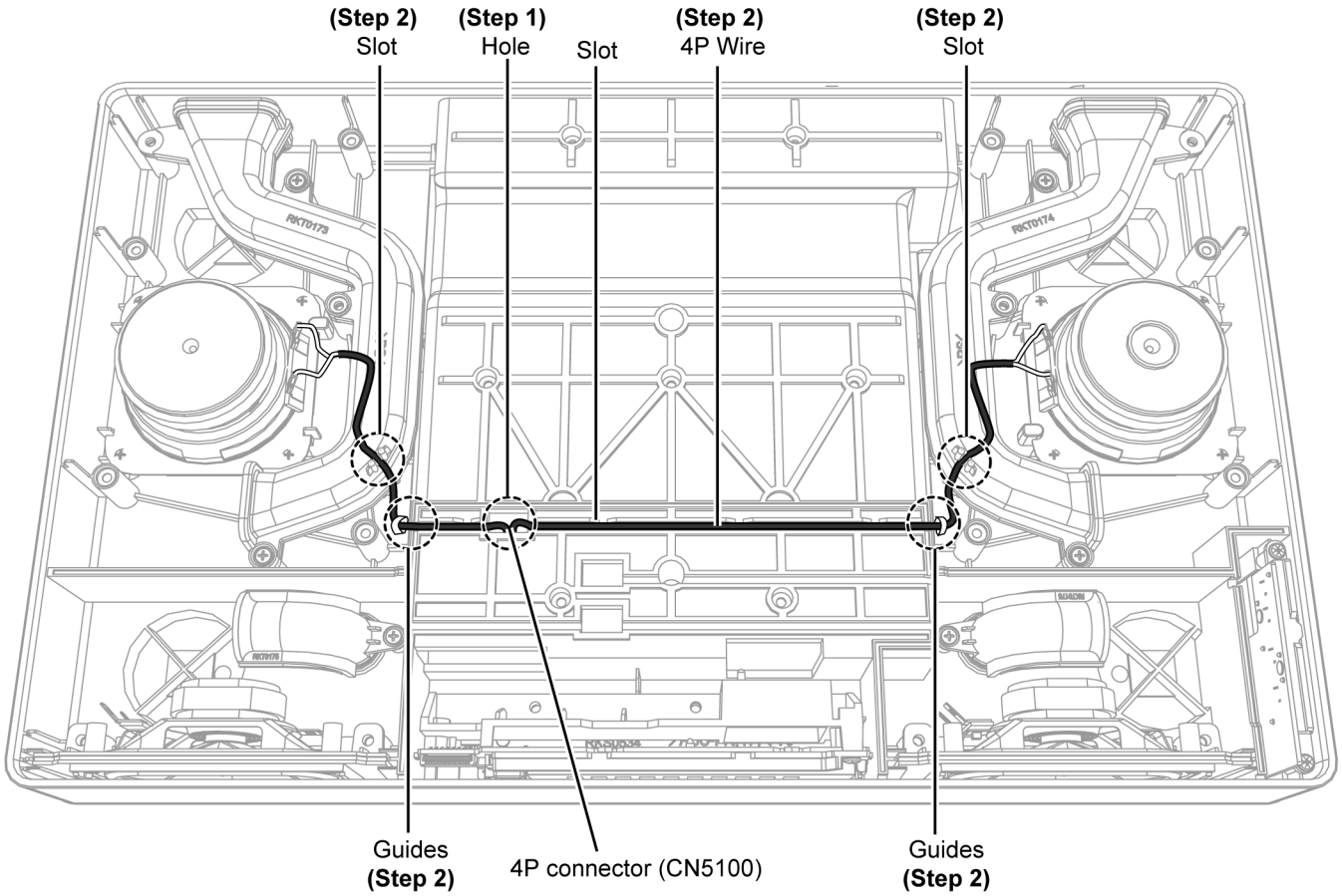
Caution : During assembling, ensure that the Front Speaker Unit (L) is seated properly onto the guides.



8.14. Assembly of Wire Dressing for Subwoofer Unit

- Refer to “Disassembly of Bottom Chassis Block”
- Refer to “Disassembly of Top Cabinet”

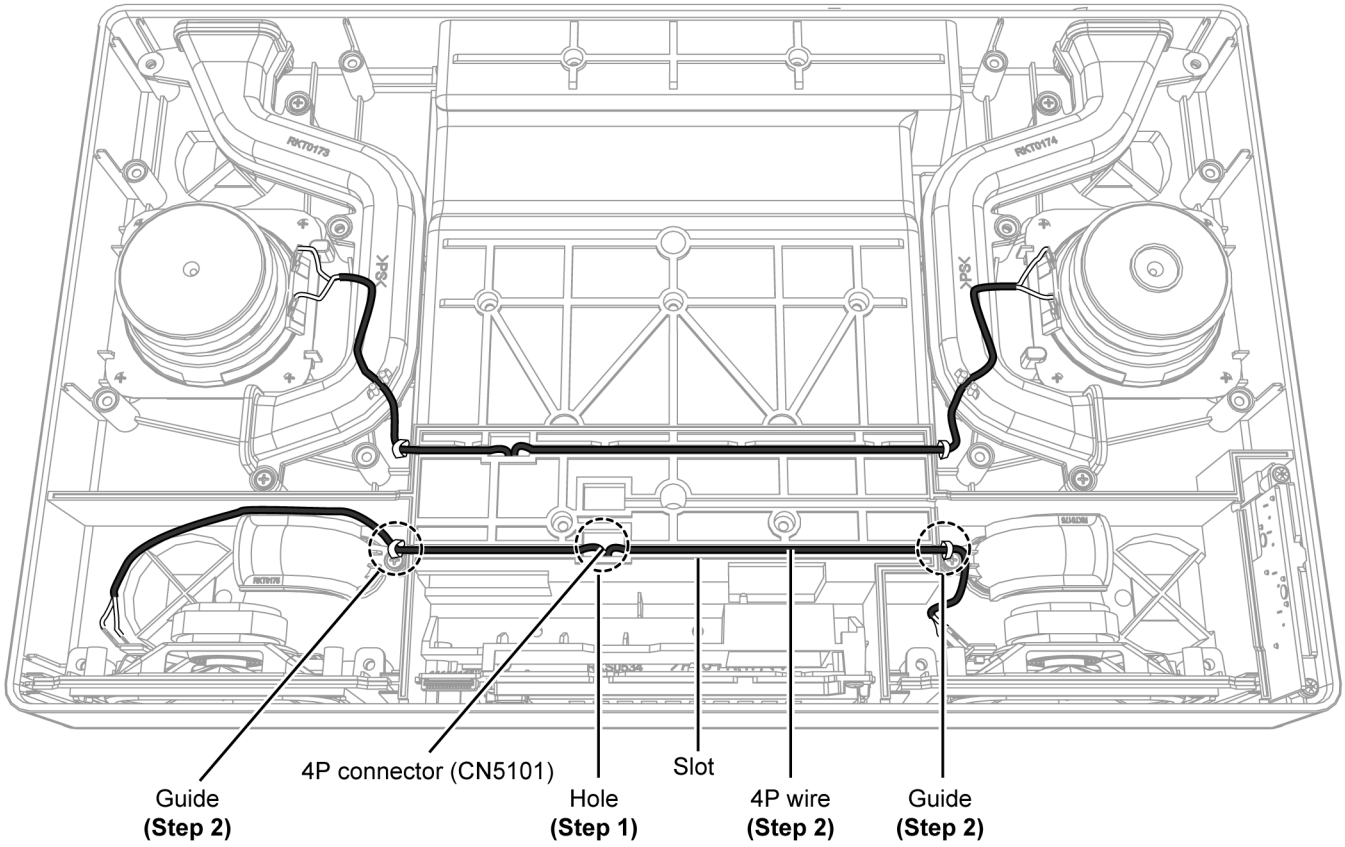
Step 1 : Inserted 4P connector (CN5100) into the Hole.
Step 2 : Insert the 4P wire into the slots & guides.



8.15. Assembly of Wire Dressing for Front Speaker Unit

- Refer to “Disassembly of Bottom Chassis Block”
- Refer to “Disassembly of Top Cabinet”

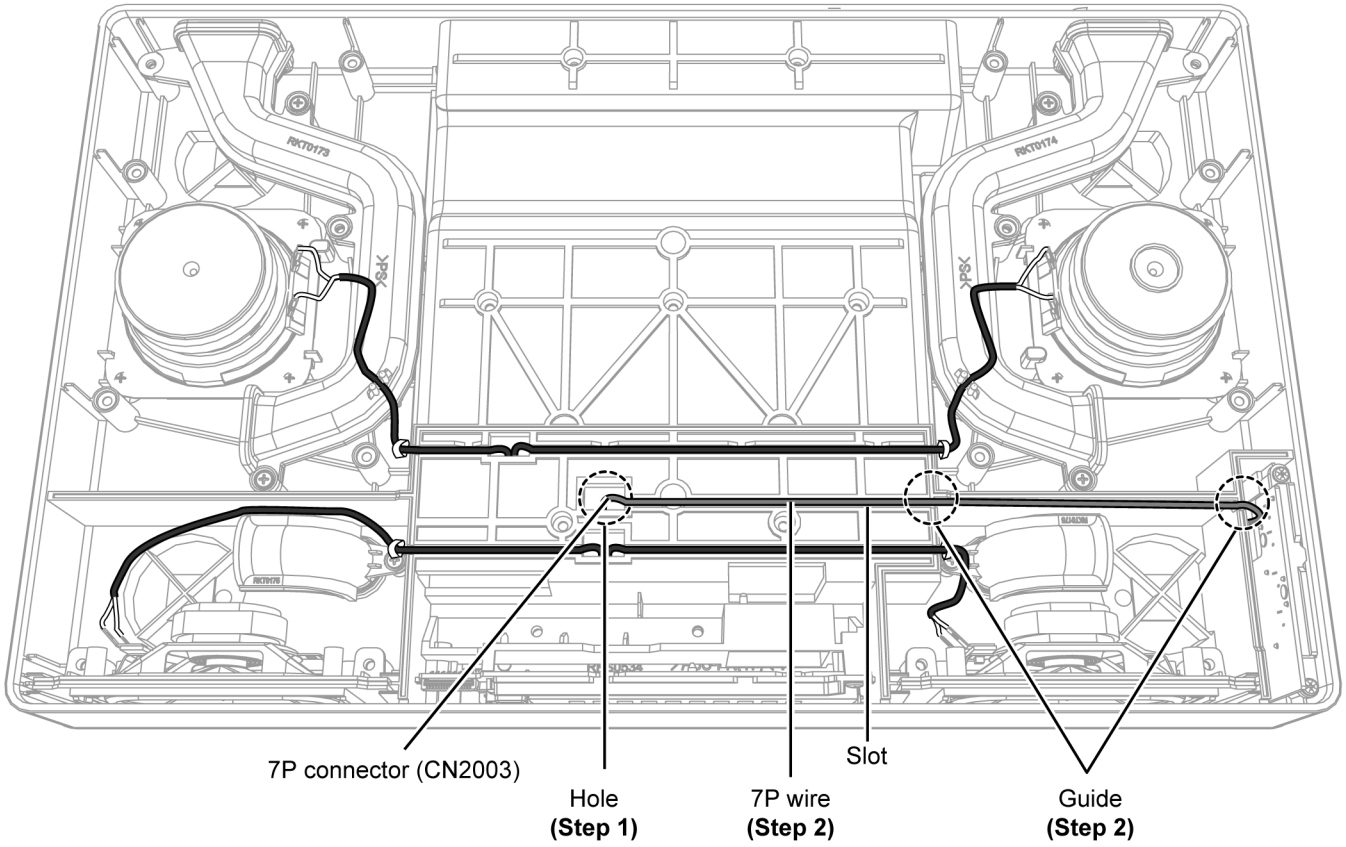
Step 1 : Inserted 4P connector (CN5101) into the Hole.
Step 2 : Insert the 4P wire into the slot & guides.



8.16. Assembly of Wire Dressing for NFC P.C.B.

- Refer to “Disassembly of Bottom Chassis Block”
- Refer to “Disassembly of Top Cabinet”

Step 1 : Inserted 7P connector (CN2003) into the Hole.
Step 2 : Insert the 7P wire into the slot & guides.

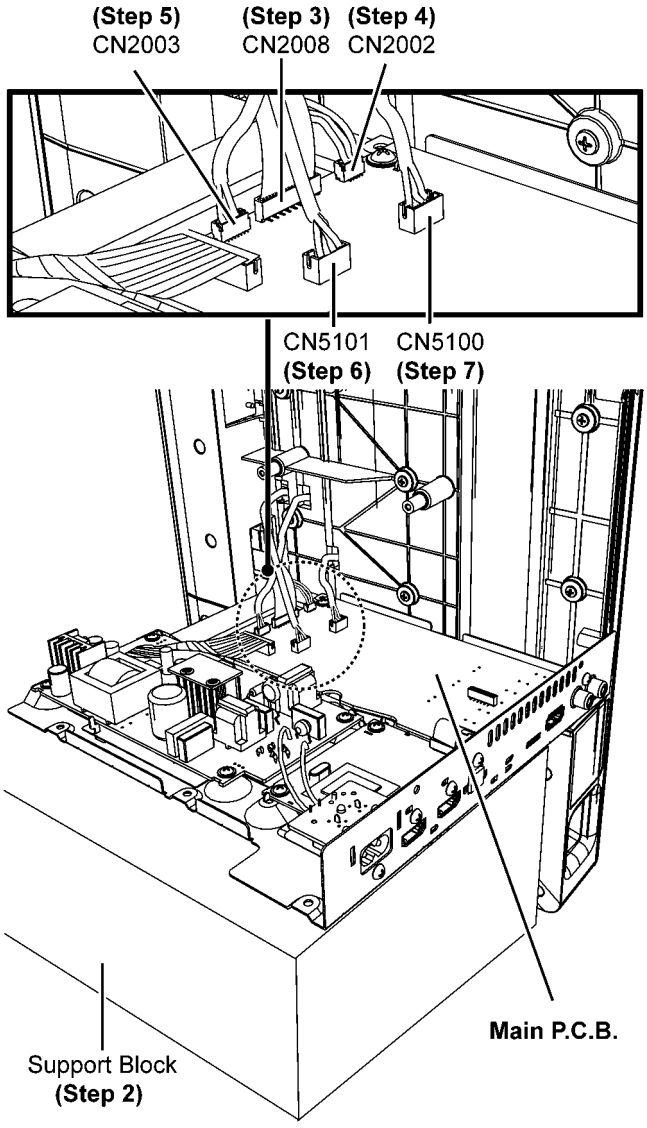


9 Service Position

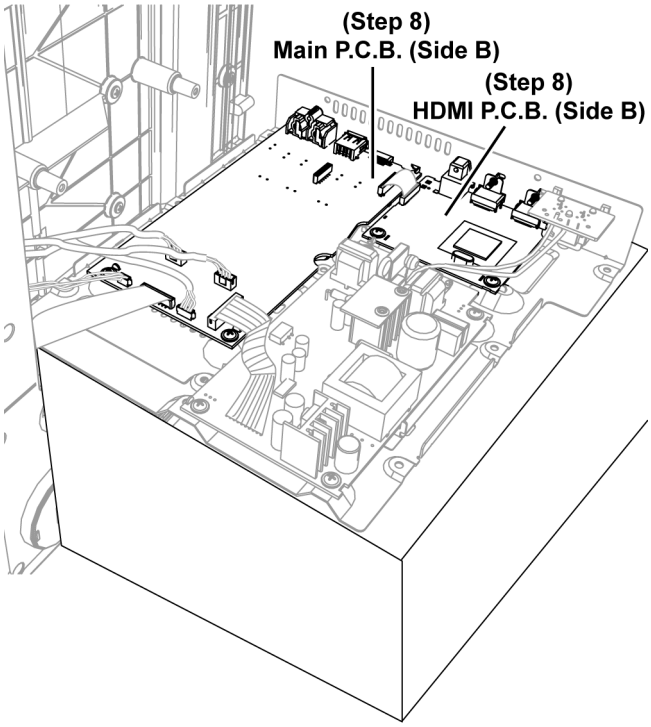
Note: For description of the disassembly procedures, see the Section 8

9.1. Checking of Main P.C.B. (Side B) & HDMI P.C.B. (Side B)

Step 1 : Remove the Bottom Chassis Block.
Step 2 : Place the Bottom Chassis Block on a Support Block.
Step 3 : Connect 16P FFC at connector (CN2008) on the Main P.C.B..
Step 4 : Connect 5P wire at connector (CN2002) on the Main P.C.B..
Step 5 : Connect 7P wire at connector (CN2003) on the Main P.C.B..
Step 6 : Connect 4P wire at connector (CN5101) on the Main P.C.B..
Step 7 : Connect 4P wire at connector (CN5100) on the Main P.C.B..

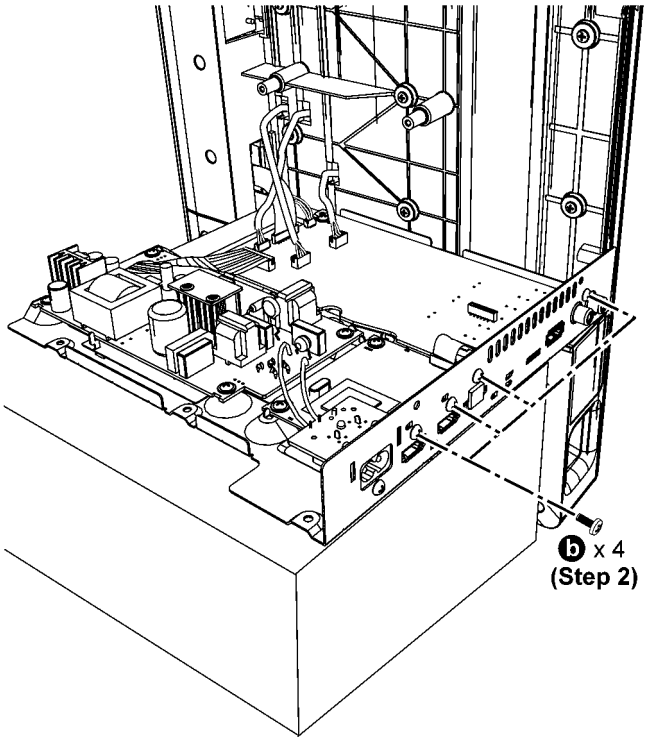


Step 8 : Check the Main P.C.B. (Side B) & HDMI P.C.B. (Side B) according to the diagram shown.

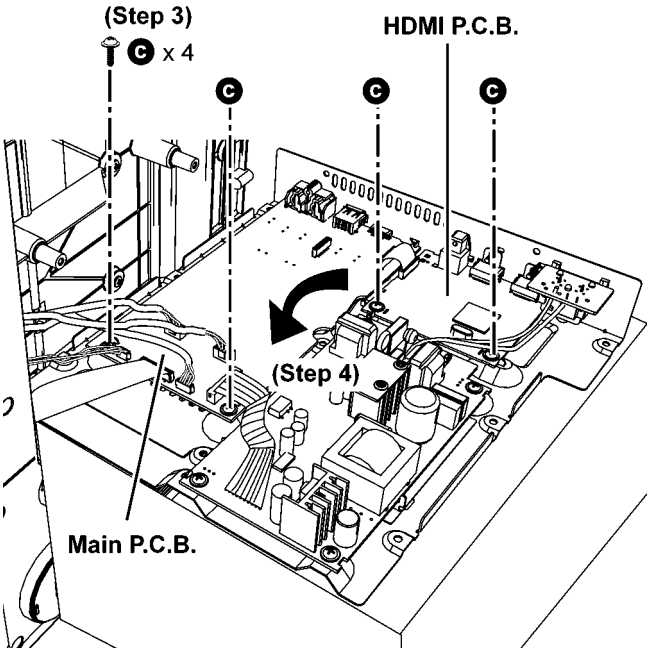


9.2. Checking of Main P.C.B. (Side A) & HDMI P.C.B. (Side A)

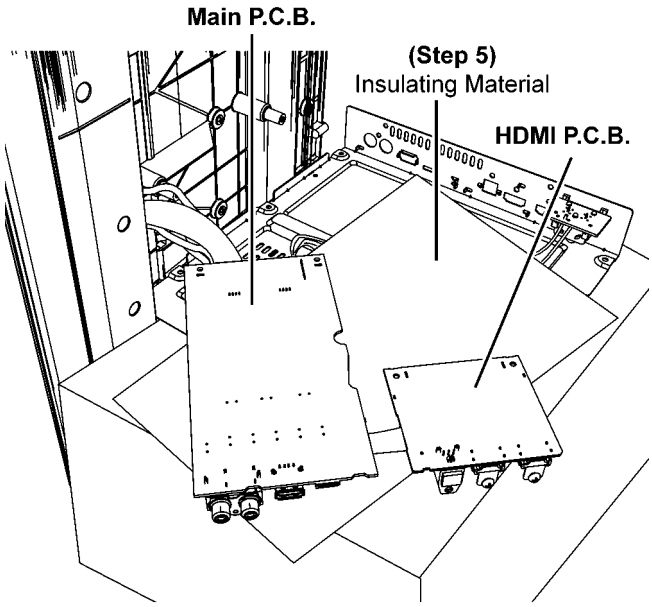
Step 1 : Remove the Bottom Chassis Block.
Step 2 : Remove 4 screws.



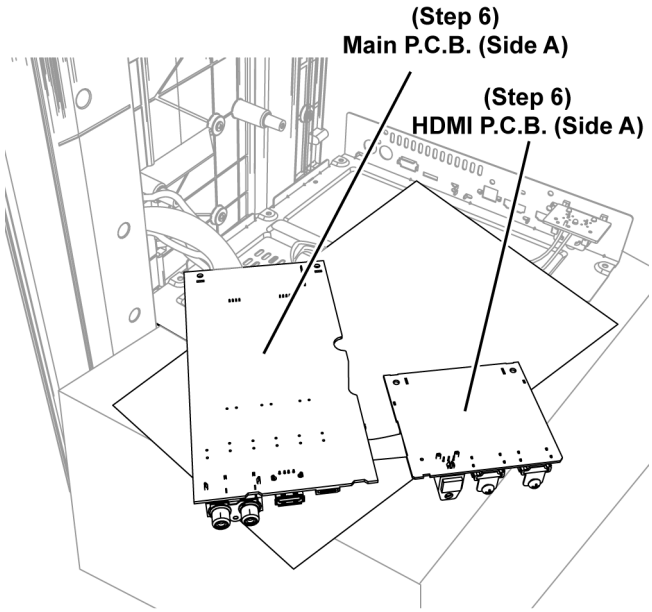
Step 3 : Remove 4 screws.
Step 4 : Upset over the Main P.C.B. and HDMI P.C.B..



Step 5 : Place the Main P.C.B. and HDMI P.C.B. on the Insulating Material.

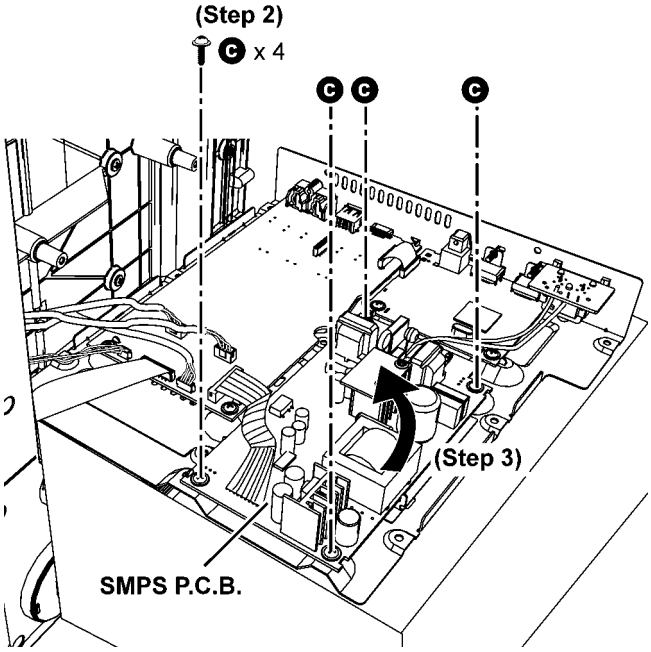


Step 6 : Check the Main P.C.B. (Side A) & HDMI P.C.B. (Side A) according to the diagram shown.

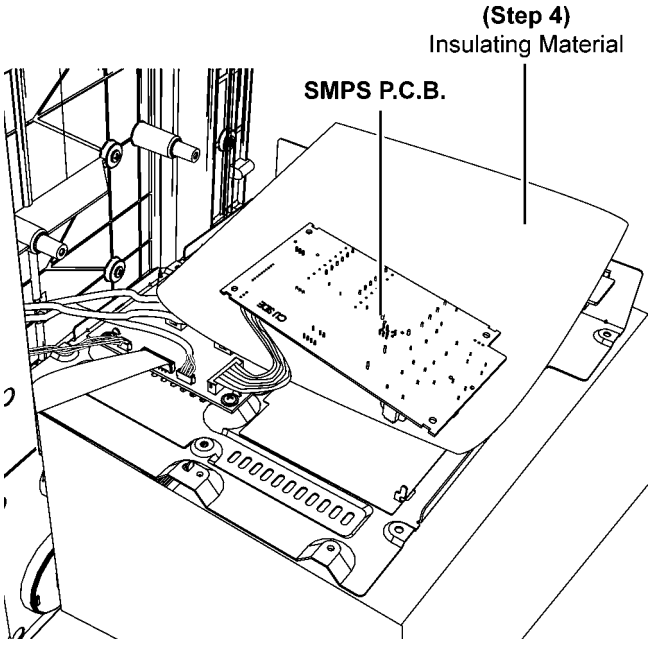


9.3. Checking of SMPS P.C.B.

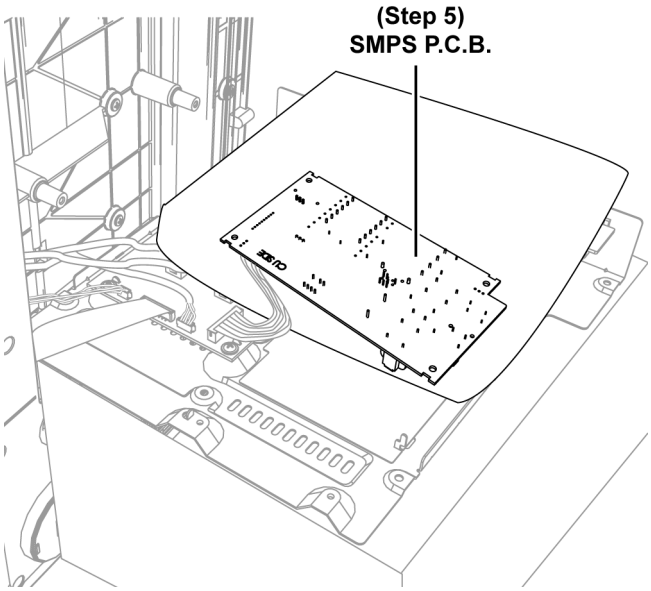
Step 1 : Remove the Bottom Chassis Block.
Step 2 : Remove 4 screws.
Step 3 : Upset the SMPS P.C.B..



Step 4 : Place the SMPS P.C.B. on the Insulating Material.

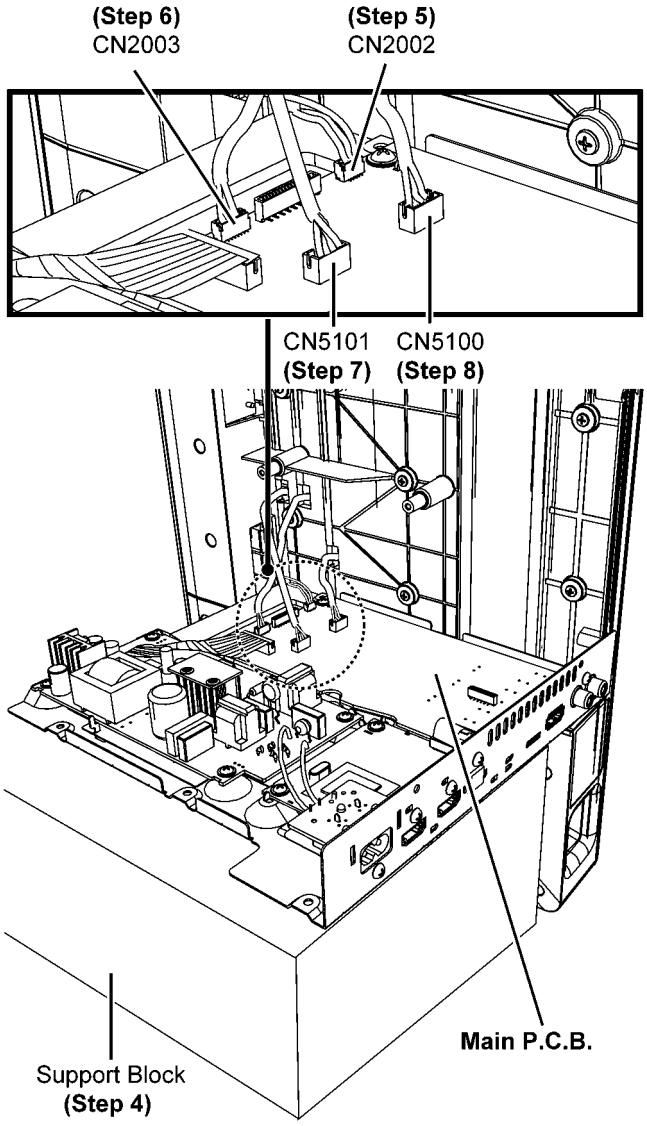


Step 5 : Check the SMPS P.C.B. according to the diagram shown.

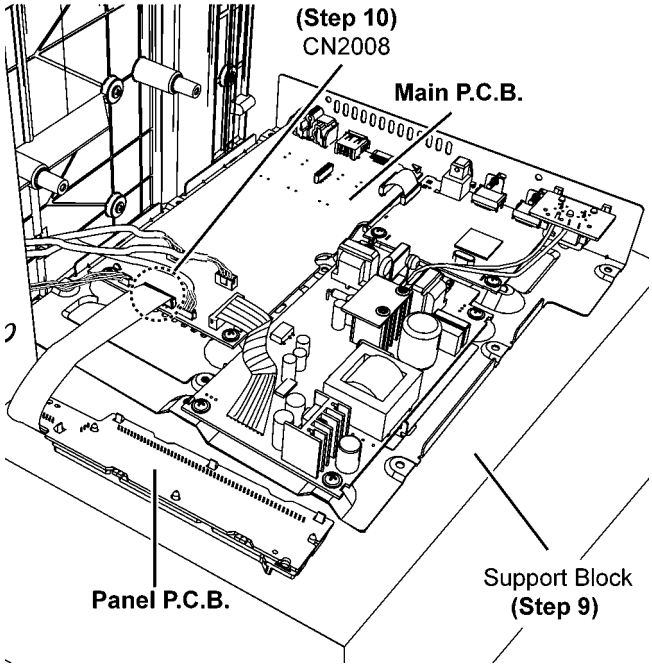


9.4. Checking of Panel P.C.B.

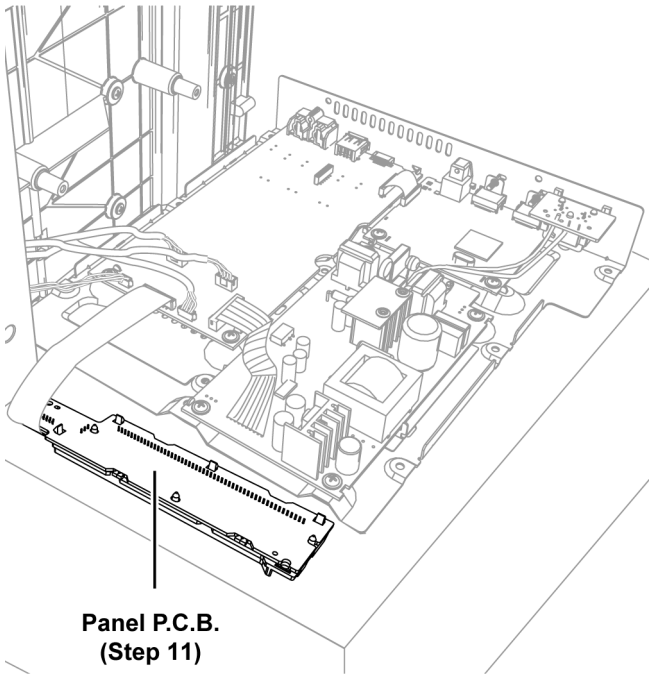
Step 1 : Remove the Bottom Chassis Block.
Step 2 : Remove the Top Cabinet.
Step 3 : Remove the Panel P.C.B..
Step 4 : Place the Bottom Chassis Block on a Support Block.
Step 5 : Connect 5P wire at connector (CN2002) on the Main P.C.B..
Step 6 : Connect 7P wire at connector (CN2003) on the Main P.C.B..
Step 7 : Connect 4P wire at connector (CN5101) on the Main P.C.B..
Step 8 : Connect 4P wire at connector (CN5100) on the Main P.C.B..



Step 9 : Place the Panel P.C.B. on the Support Block.
Step 10 : Connect 16P FFC at connector (CN2008) on the Main P.C.B..

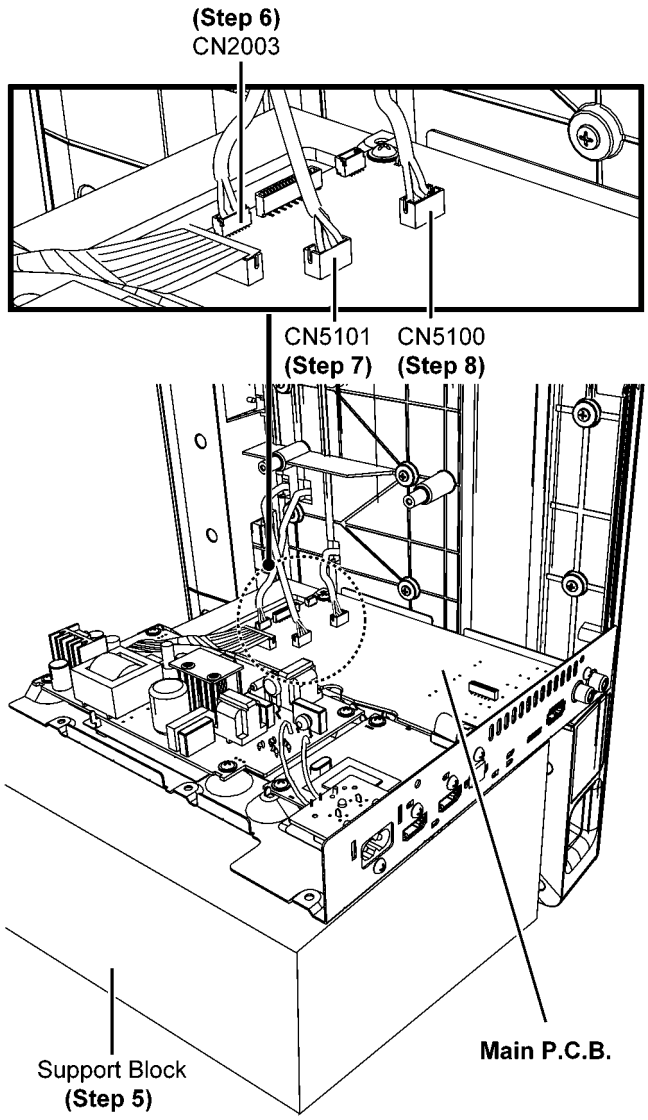


Step 11 : Check the Panel P.C.B. according to the diagram shown.

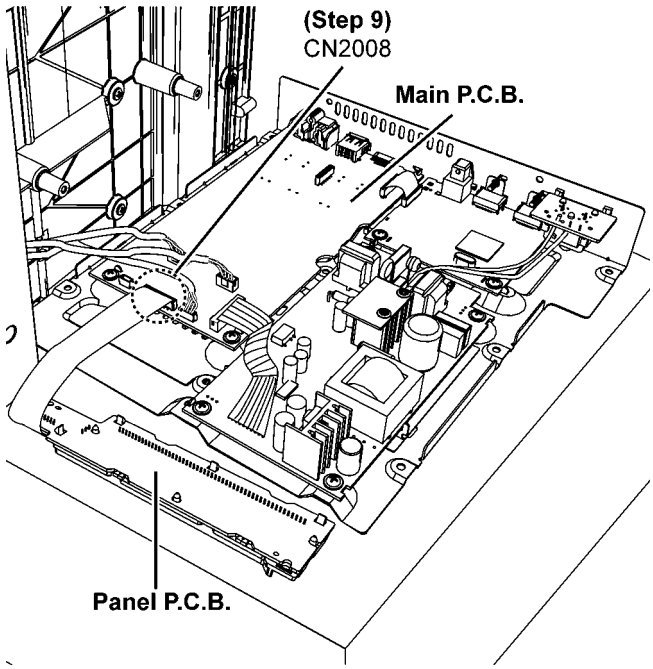


9.5. Checking of Bluetooth Module

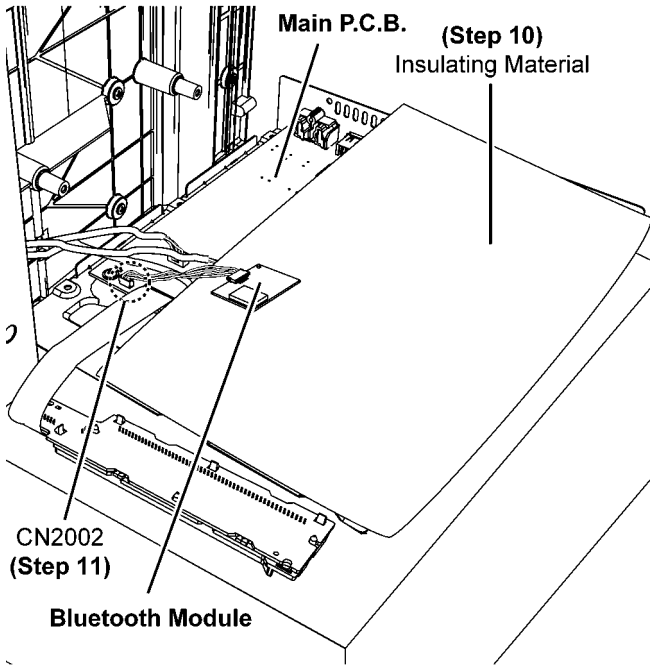
Step 1 : Remove the Bottom Chassis Block.
Step 2 : Remove the Top Cabinet.
Step 3 : Remove the Panel P.C.B..
Step 4 : Remove the Bluetooth Module.
Step 5 : Place the Bottom Chassis Block on the Support Block.
Step 6 : Connect 7P wire at connector (CN2003) on the Main P.C.B..
Step 7 : Connect 4P wire at connector (CN5101) on the Main P.C.B..
Step 8 : Connect 4P wire at connector (CN5100) on the Main P.C.B..



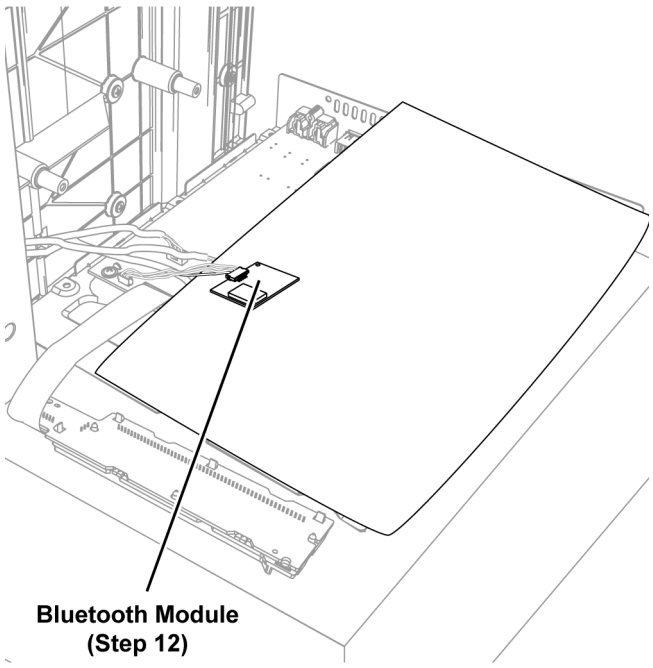
Step 9 : Connect 16P FFC at connector (CN2008) on the Main P.C.B..



Step 10 : Place the Bluetooth Module on the Insulating Material.
Step 11 : Connect 5P wire at connector (CN2002) on the Main P.C.B..



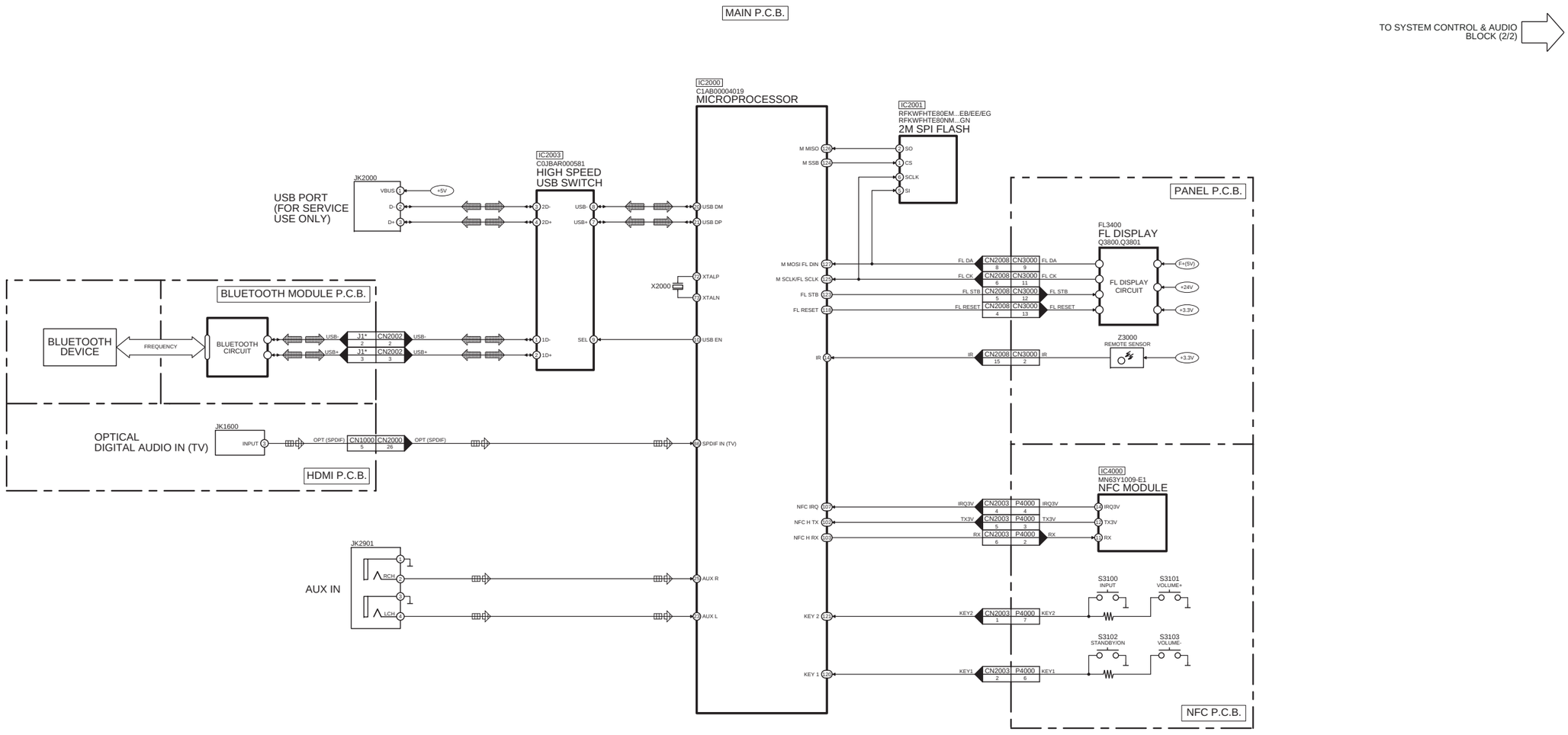
Step 12 : Check the Bluetooth Module according to the diagram shown.



10 Block Diagram

10.1. SYSTEM CONTROL & AUDIO (1/2) BLOCK DIAGRAM

: AUX/OPTICAL AUDIO INPUT SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE : USB/BLUETOOTH SIGNAL LINE

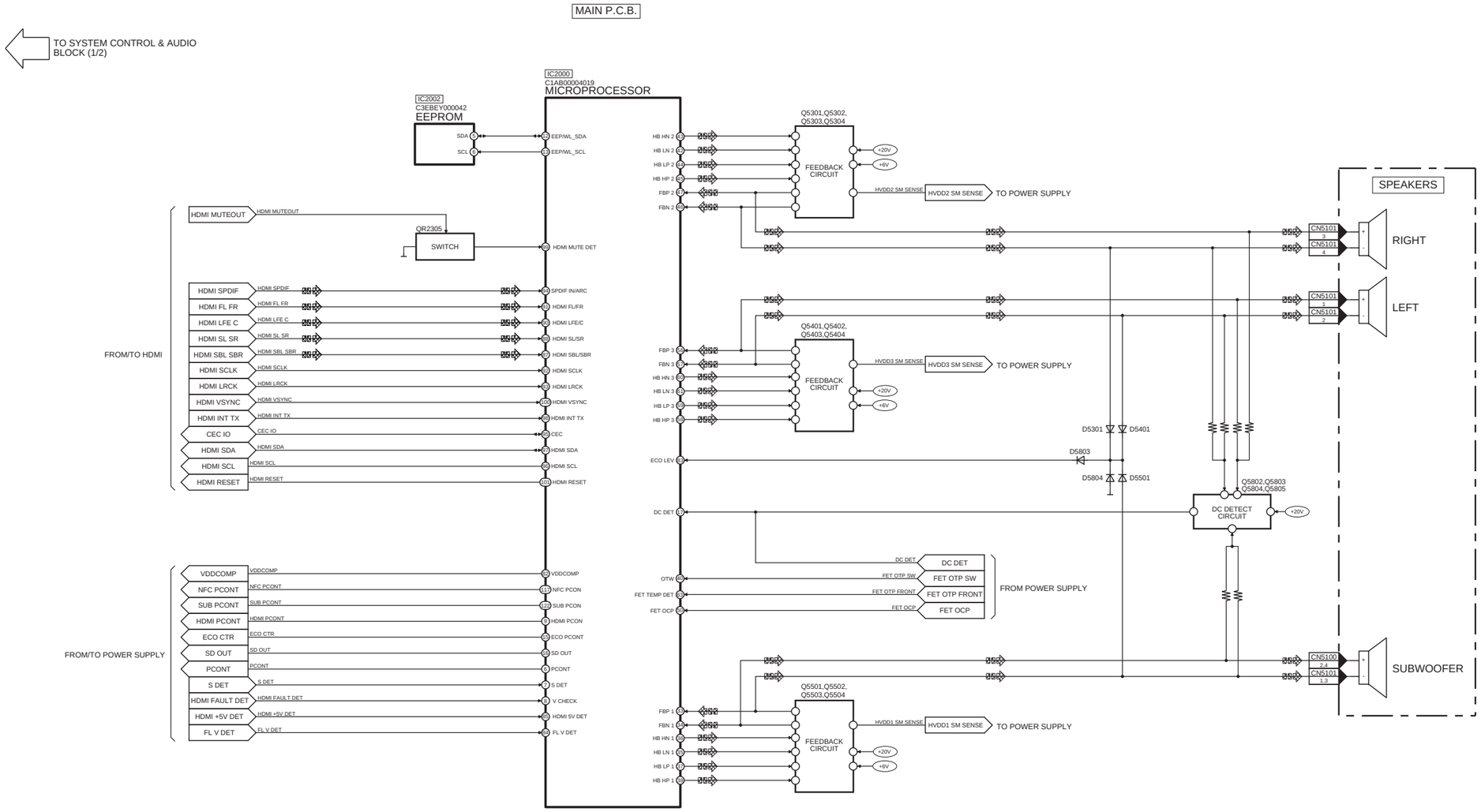


NOTE: “ * ” REF IS FOR INDICATION ONLY

SC-HTE80EB/EE/EG/GN SYSTEM CONTROL & AUDIO (1/2) BLOCK DIAGRAM

10.2. SYSTEM CONTROL & AUDIO (2/2) BLOCK DIAGRAM

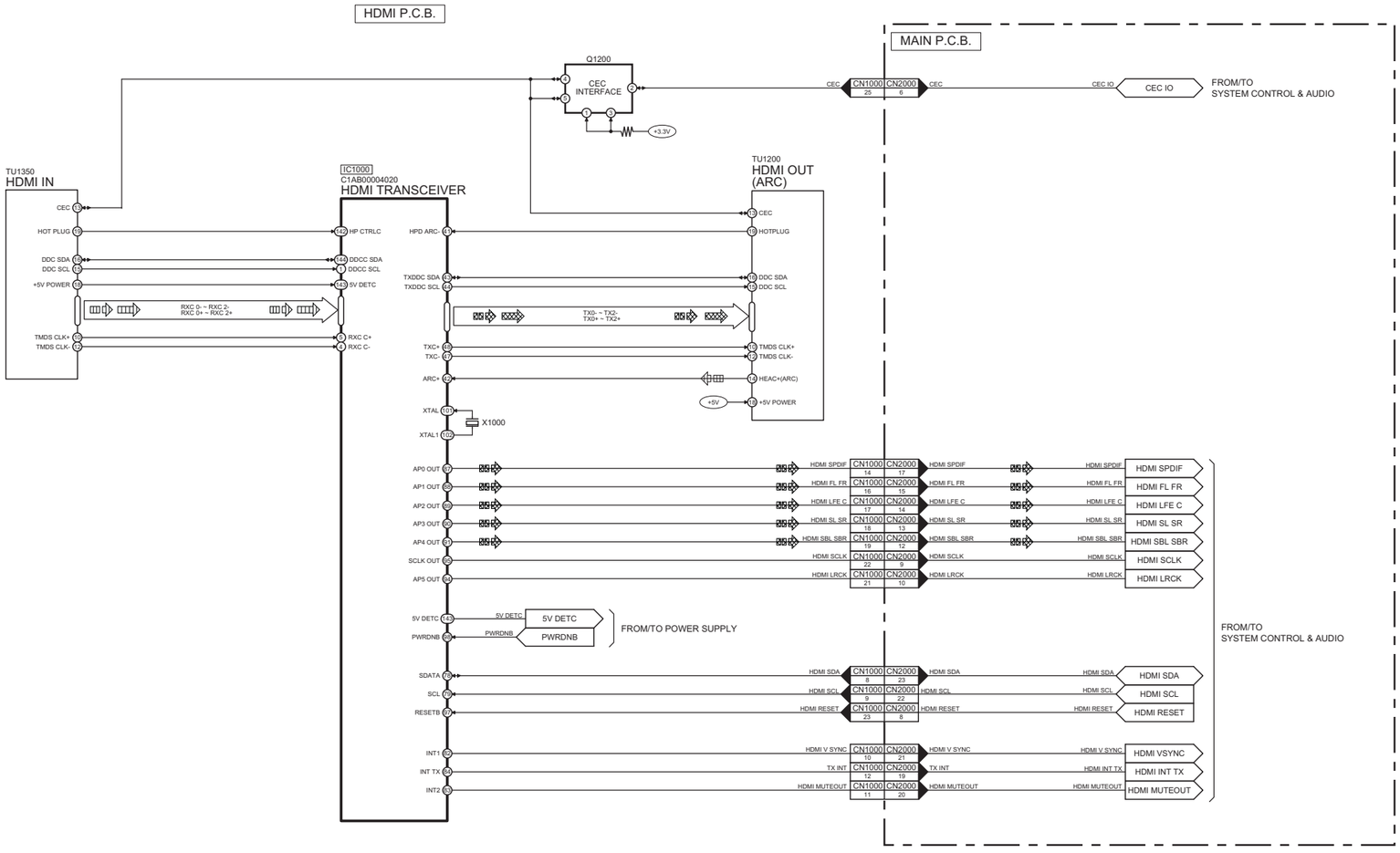
: AUX/OPTICAL AUDIO INPUT SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE : USB/BLUETOOTH SIGNAL LINE



SC-HTE80EB/EE/EG/GN SYSTEM CONTROL & AUDIO (2/2) BLOCK DIAGRAM

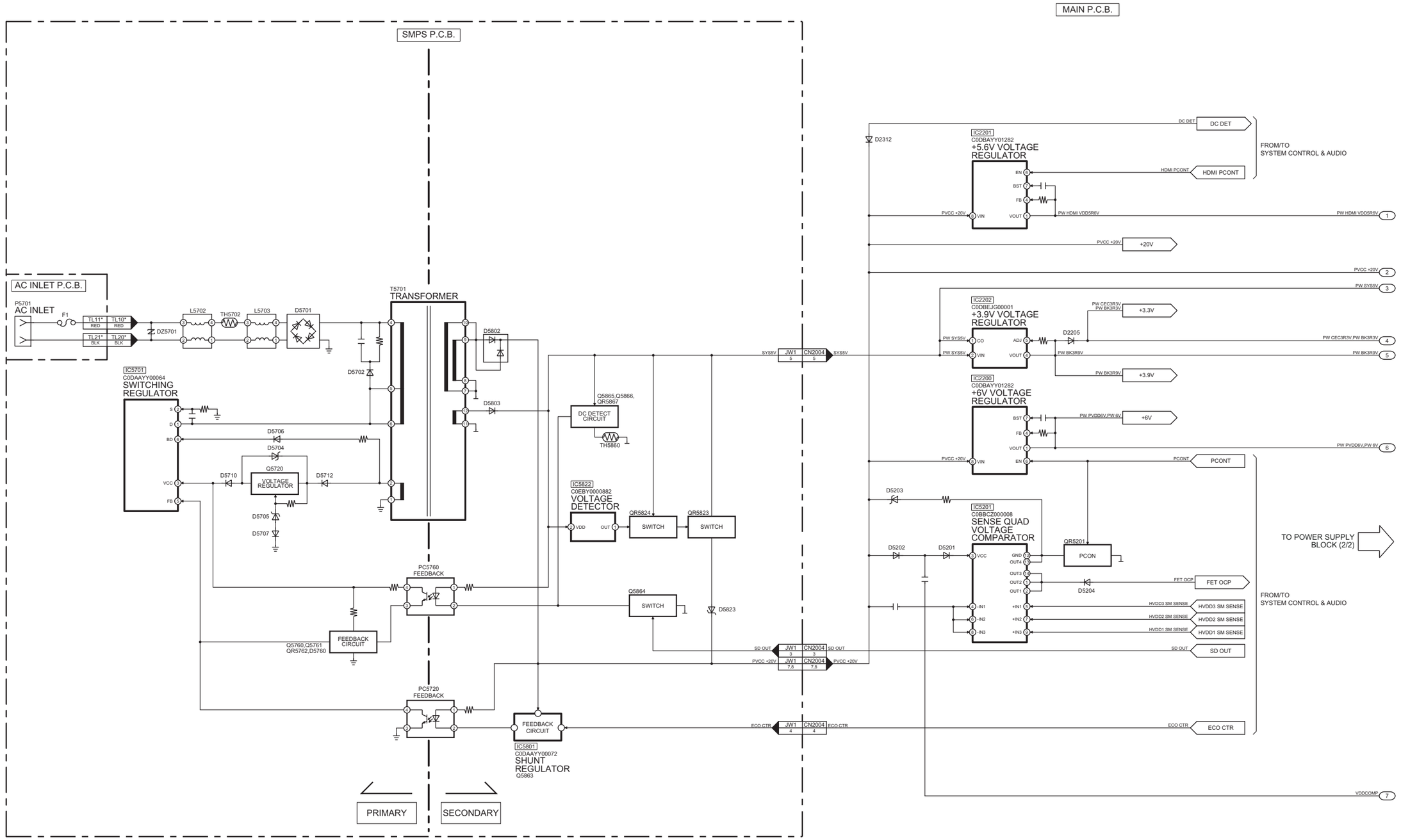
10.3. HDMI BLOCK DIAGRAM

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



SC-HTE80EB/EE/EG/GN HDMI BLOCK DIAGRAM

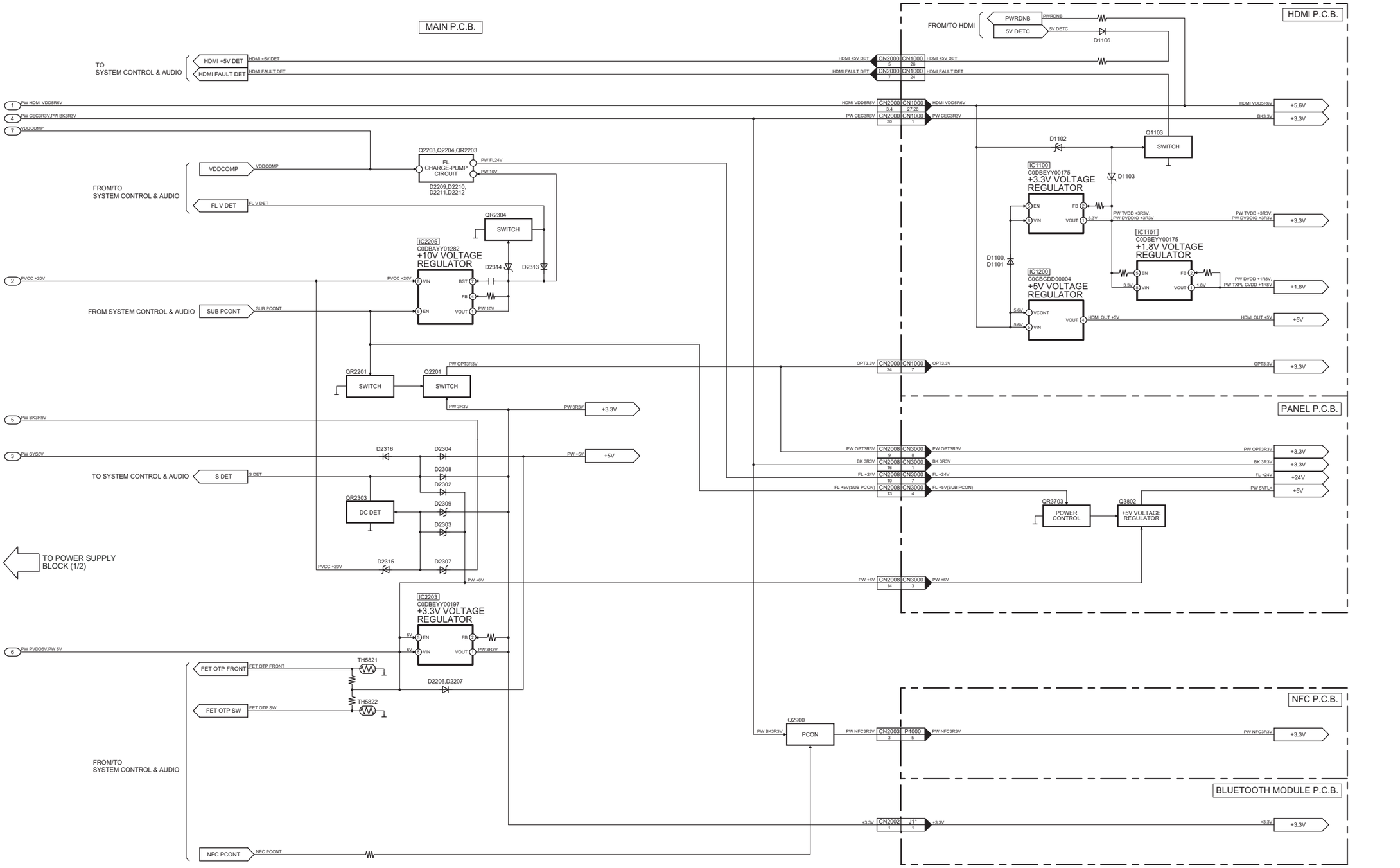
10.4. POWER SUPPLY (1/2) BLOCK DIAGRAM



NOTE: " * " REF IS FOR INDICATION ONLY

SC-HTE80EB/EE/EG/GN POWER SUPPLY (1/2) BLOCK DIAGRAM

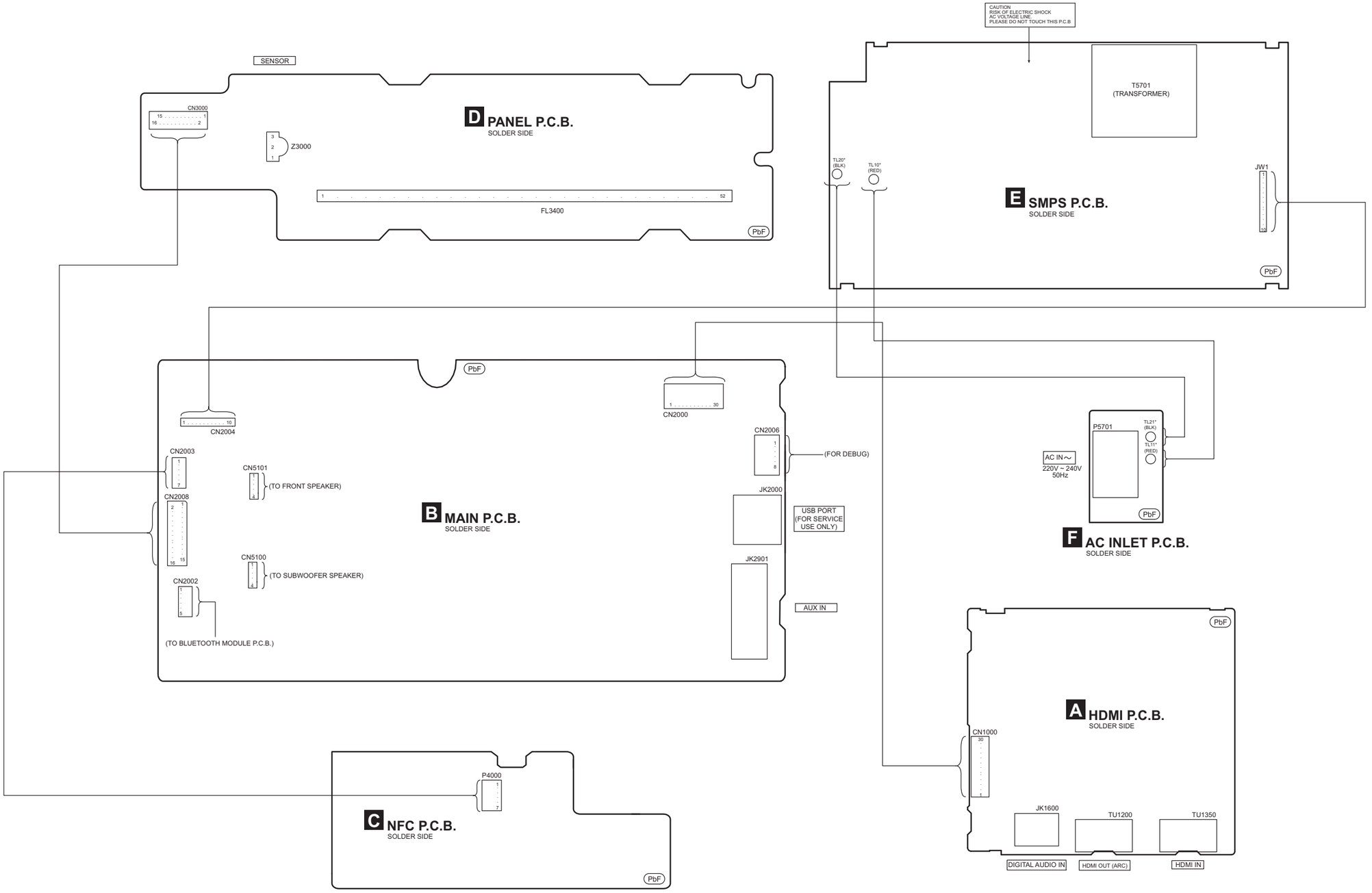
10.5. POWER SUPPLY (2/2) BLOCK DIAGRAM



NOTE: “ * ” REF IS FOR INDICATION ONLY

SC-HTE80EB/EE/EG/GN POWER SUPPLY (2/2) BLOCK DIAGRAM

11 Wiring Connection Diagram



Note : “ * ” REF IS FOR INDICATION ONLY.

SC-HTE80EB/EE/EG/GN
WIRING CONNECTION DIAGRAM

12 Schematic Diagram

12.1. Schematic Diagram Notes

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

Notes:

S3100: INPUT switch.
S3101: VOL+ switch.
S3102: STANBY/ON switch (⏻/I).
S3103: VOL- 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:
  C5701, C5702, C5703, C5704, C5705, C5706

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

- **Capacitor**
  Unit of capacitance is μF, 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

  : HDMI/Optical/Aux Audio Input Signal Line

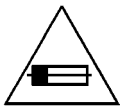
  : Audio Output Signal Line

  : HDMI Video Input Signal Line

  : Video Output Signal Line

  : Bluetooth/USB 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.

FUSE CAUTION



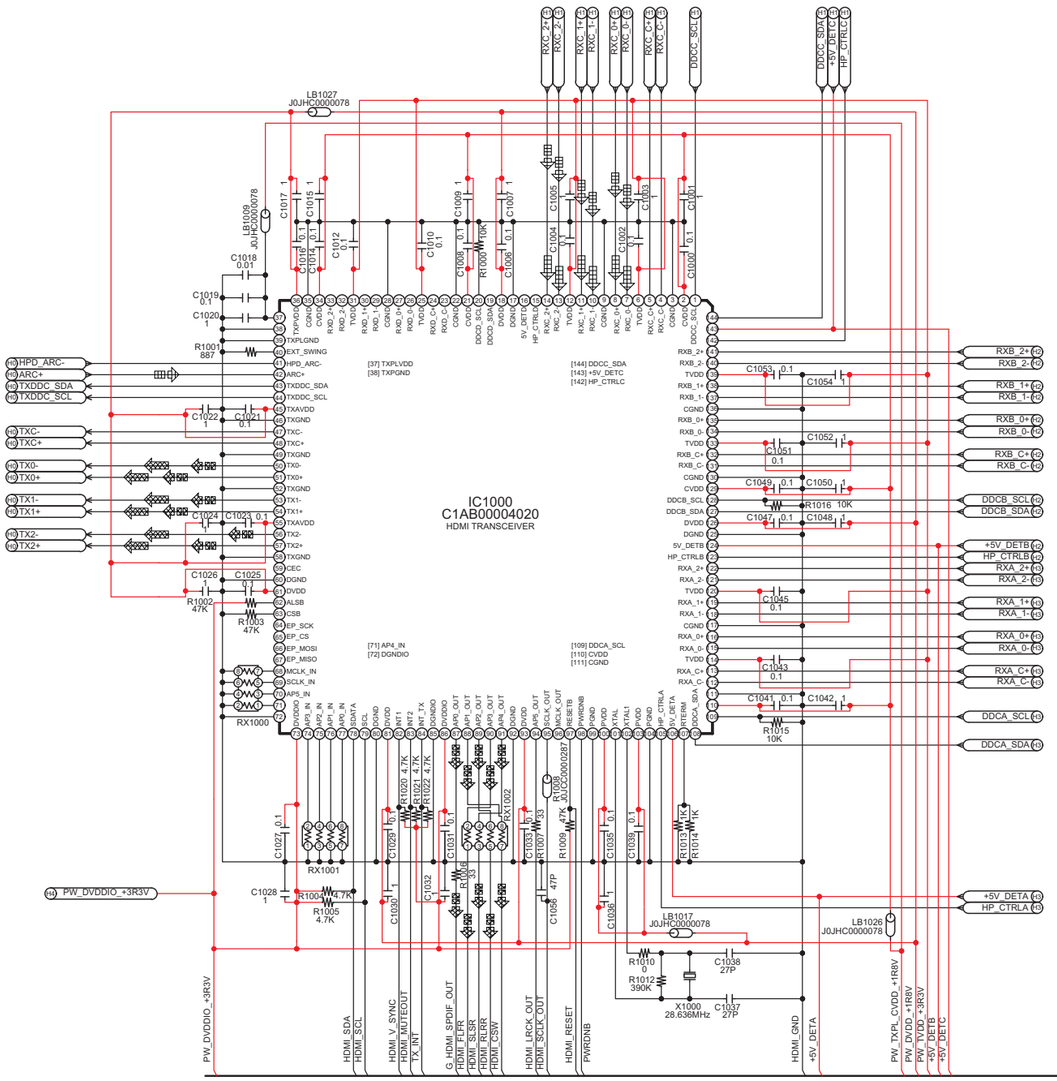
These symbols located near the fuse indicates that the fuse used is a fast operating type. For continued protection against fire harzard, replace with the same type fuse. For fuse rating, refer to the marking adjacent to the symbol.

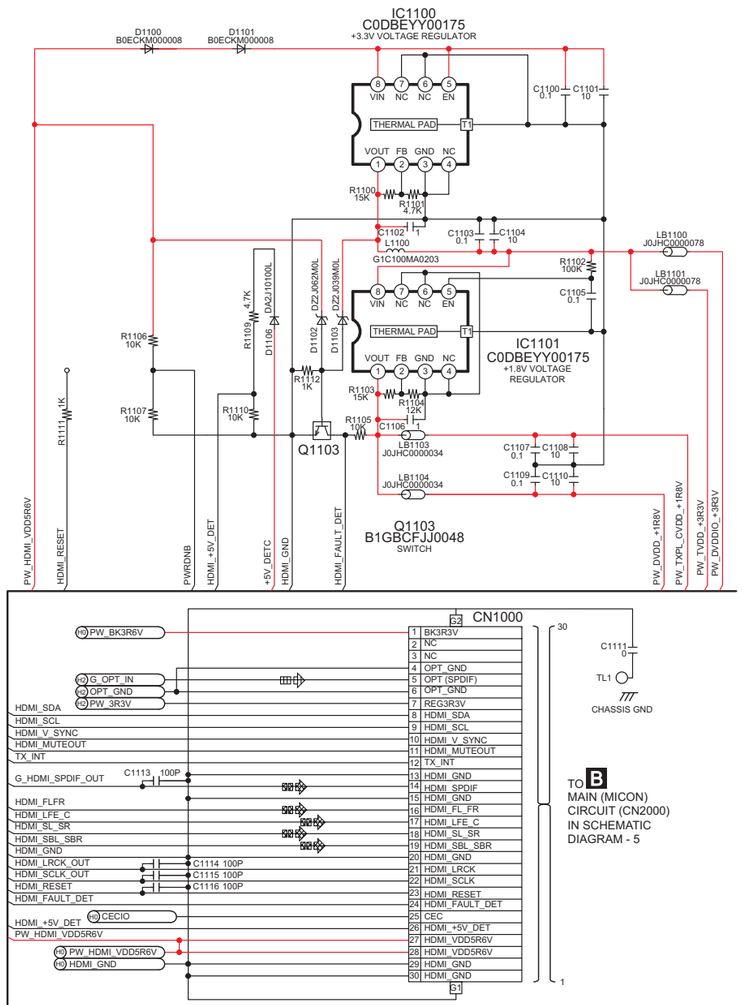
12.2. HDMI CIRCUIT (1/2)

SCHEMATIC DIAGRAM - 1

A HDMI CIRCUIT

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





TO HDMI CIRCUIT (2/2)

TO B MAIN (MICON) CIRCUIT (CN2000) IN SCHEMATIC DIAGRAM - 5

H0 ~ H4: HDMI CIRCUIT: SCHEMATIC DIAGRAM - 1 ~ 2

1/2 | 2/2

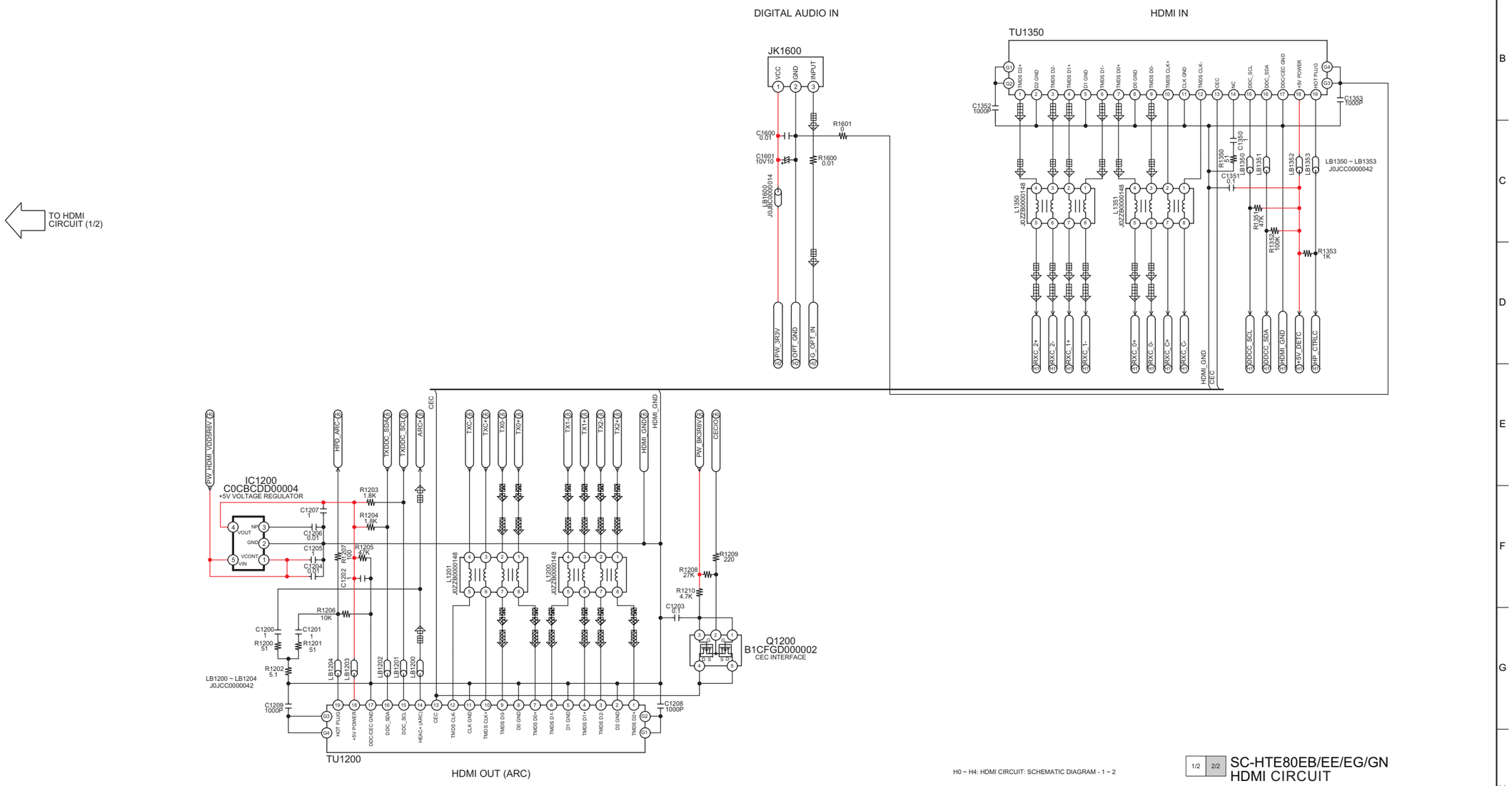
SC-HTE80EB/EE/EG/GN
HDMI CIRCUIT

12.3. HDMI CIRCUIT (2/2)

SCHEMATIC DIAGRAM - 2

A HDMI CIRCUIT

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



H0 ~ H4: HDMI CIRCUIT: SCHEMATIC DIAGRAM - 1 ~ 2

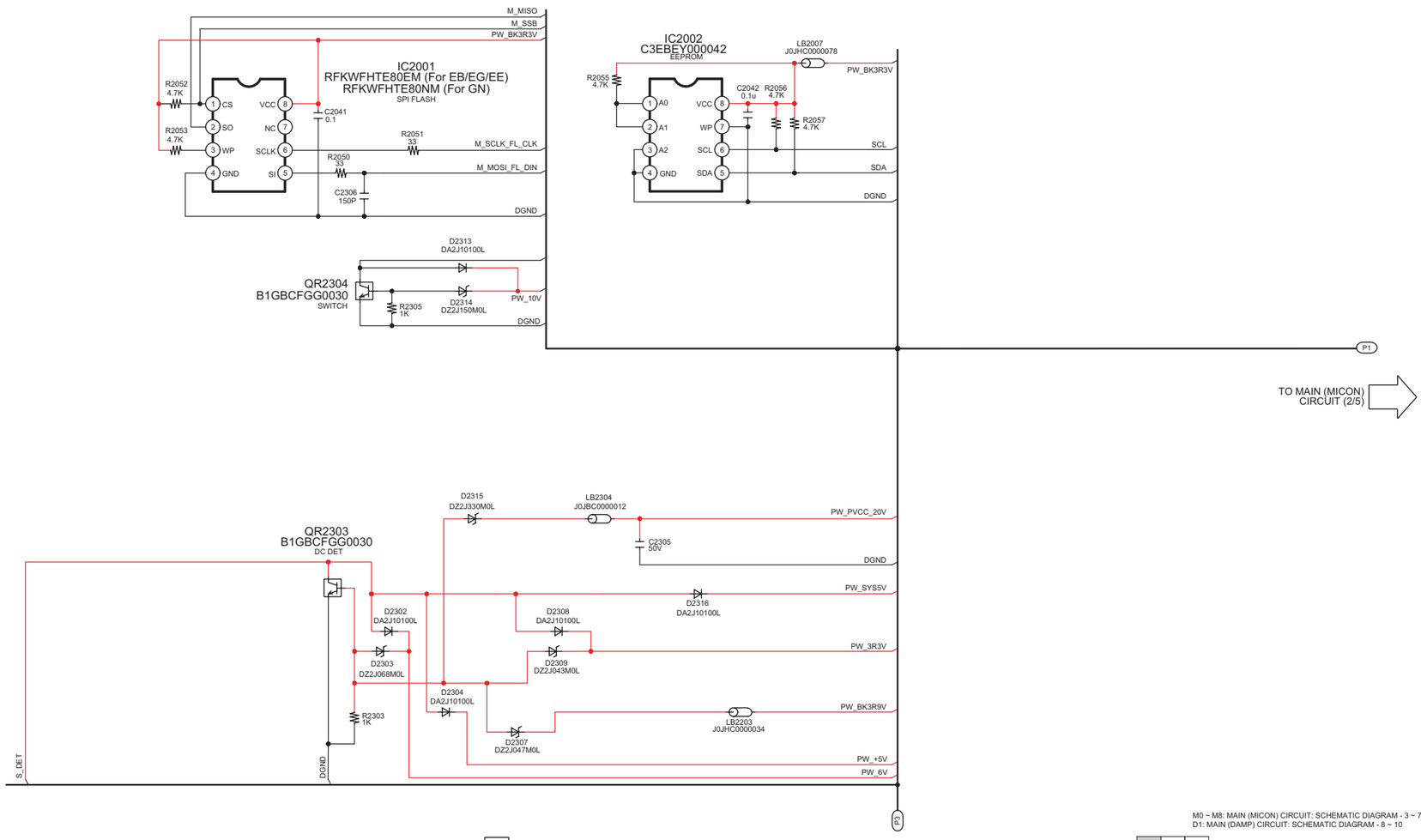
1/2 2/2 SC-HTE80EB/EE/EG/GN
HDMI CIRCUIT

12.4. MAIN (MICON) CIRCUIT (1/5)

SCHEMATIC DIAGRAM - 3

B MAIN (MICON) CIRCUIT

—— : +B SIGNAL LINE : HDMI/OPTICAL/AUX AUDIO INPUT SIGNAL LINE : BLUETOOTH/USB SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE



M0 ~ M8: MAIN (MICON) CIRCUIT: SCHEMATIC DIAGRAM - 3 ~ 7
D1: MAIN (DAMP) CIRCUIT: SCHEMATIC DIAGRAM - 8 ~ 10

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

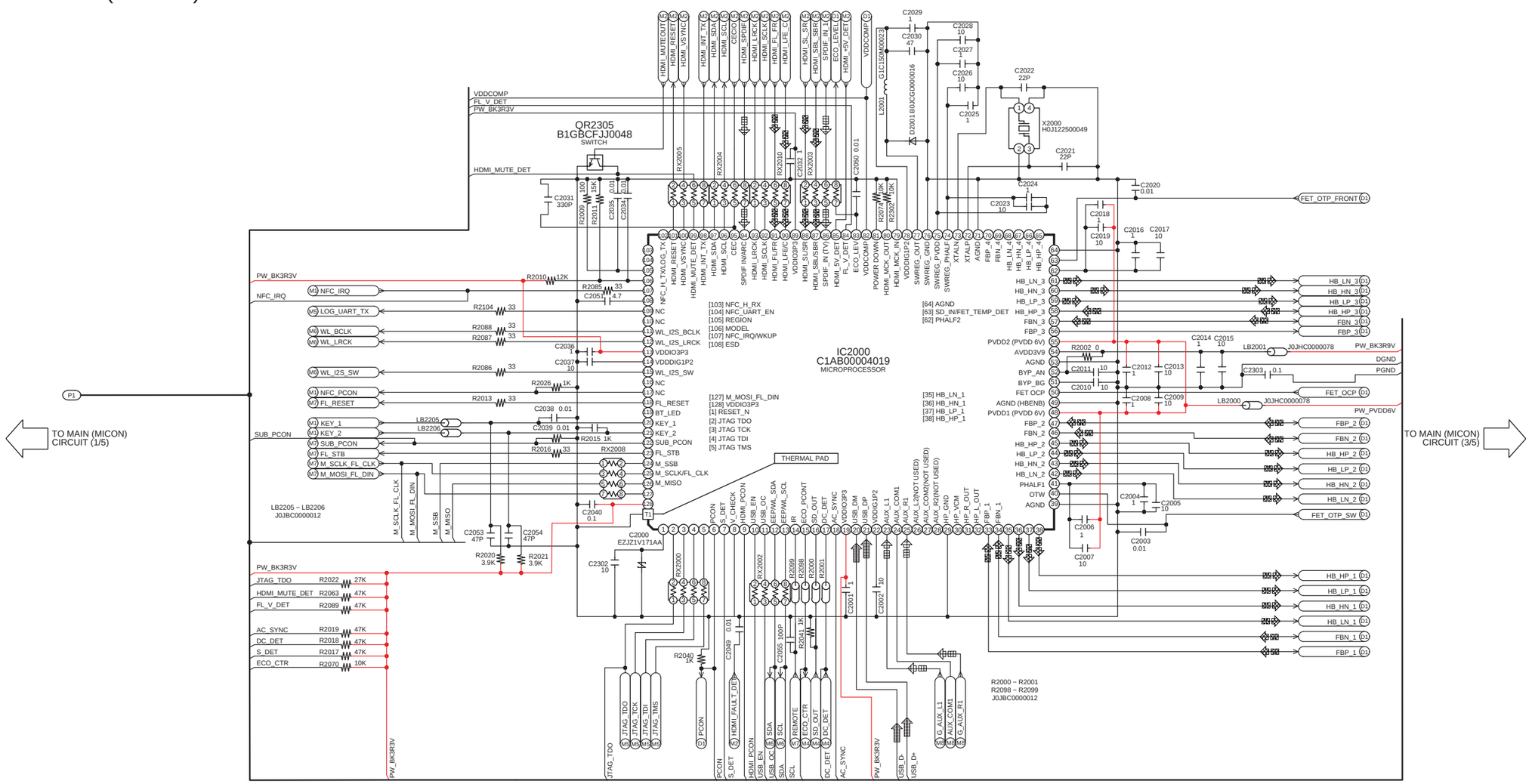
SC-HTE80EB/EE/EG/GN
MAIN (MICON) CIRCUIT

12.5. MAIN (MICON) CIRCUIT (2/5)

SCHEMATIC DIAGRAM - 4

B MAIN (MICON) CIRCUIT

—— : +B SIGNAL LINE : HDMI/OPTICAL/AUX AUDIO INPUT SIGNAL LINE : BLUETOOTH/USB SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE

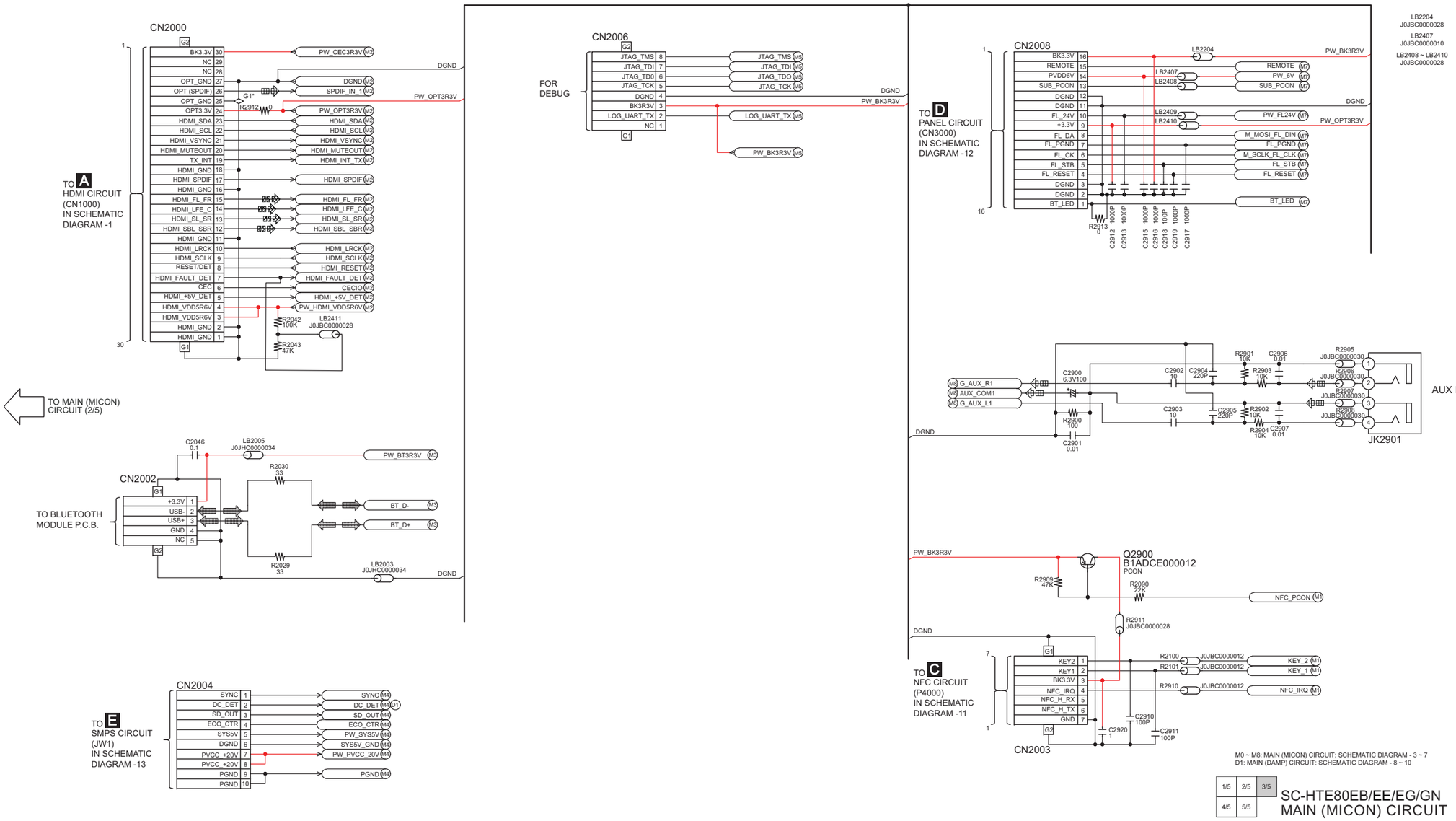


12.6. MAIN (MICON) CIRCUIT (3/5)

SCHEMATIC DIAGRAM - 5

B MAIN (MICON) CIRCUIT

—— : +B SIGNAL LINE : HDMI/OPTICAL/AUX AUDIO INPUT SIGNAL LINE : BLUETOOTH/USB SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE



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

SC-HTE80EB/EE/EG/GN
MAIN (MICON) CIRCUIT

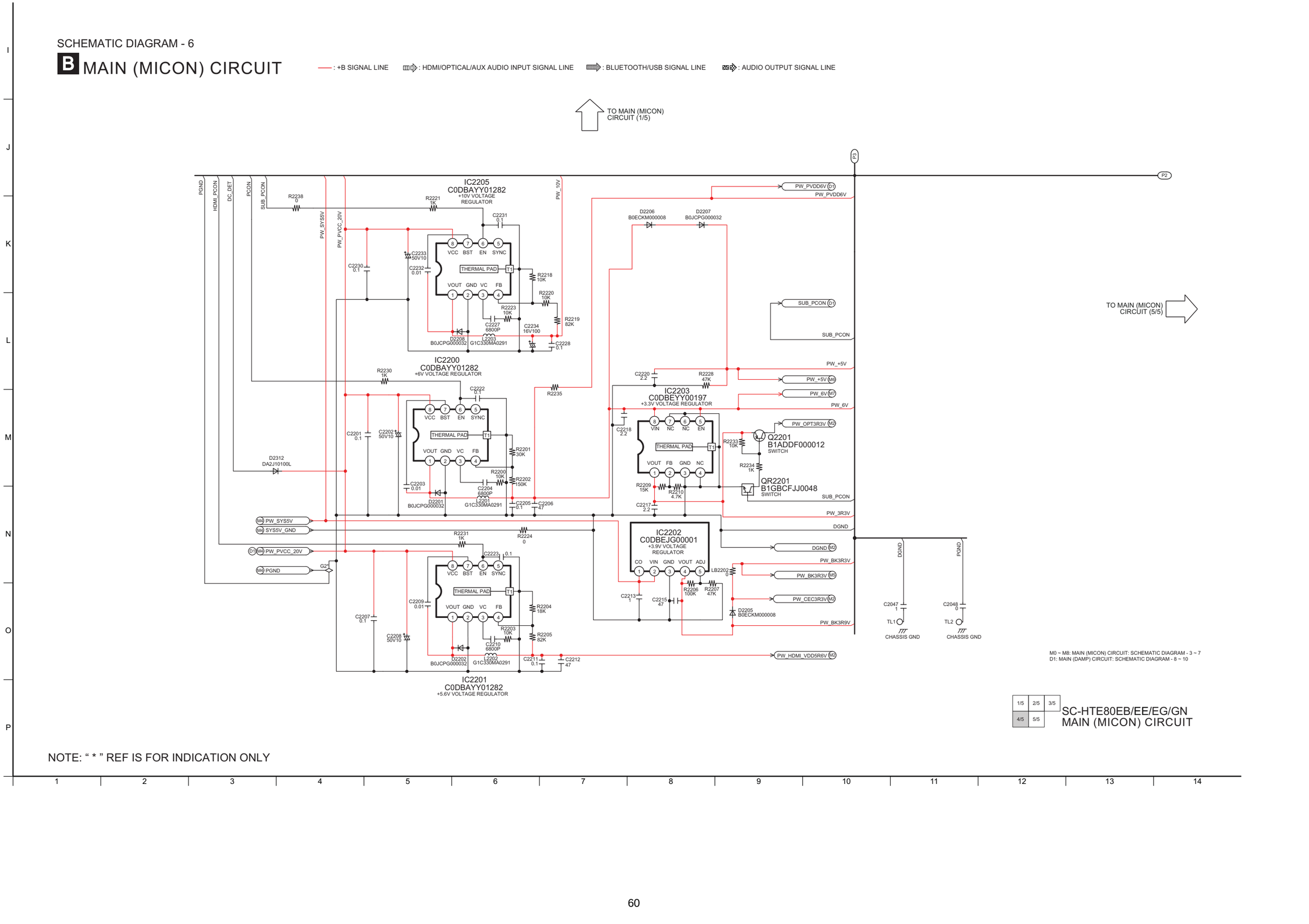
NOTE: " * " REF IS FOR INDICATION ONLY

12.7. MAIN (MICON) CIRCUIT (4/5)

SCHEMATIC DIAGRAM - 6

B MAIN (MICON) CIRCUIT

—— : +B SIGNAL LINE : HDMI/OPTICAL/AUX AUDIO INPUT SIGNAL LINE : BLUETOOTH/USB SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE



M0 ~ M8: MAIN (MICON) CIRCUIT: SCHEMATIC DIAGRAM - 3 ~ 7
D1: MAIN (DAMP) CIRCUIT: SCHEMATIC DIAGRAM - 8 ~ 10

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

SC-HTE80EB/EE/EG/GN
MAIN (MICON) CIRCUIT

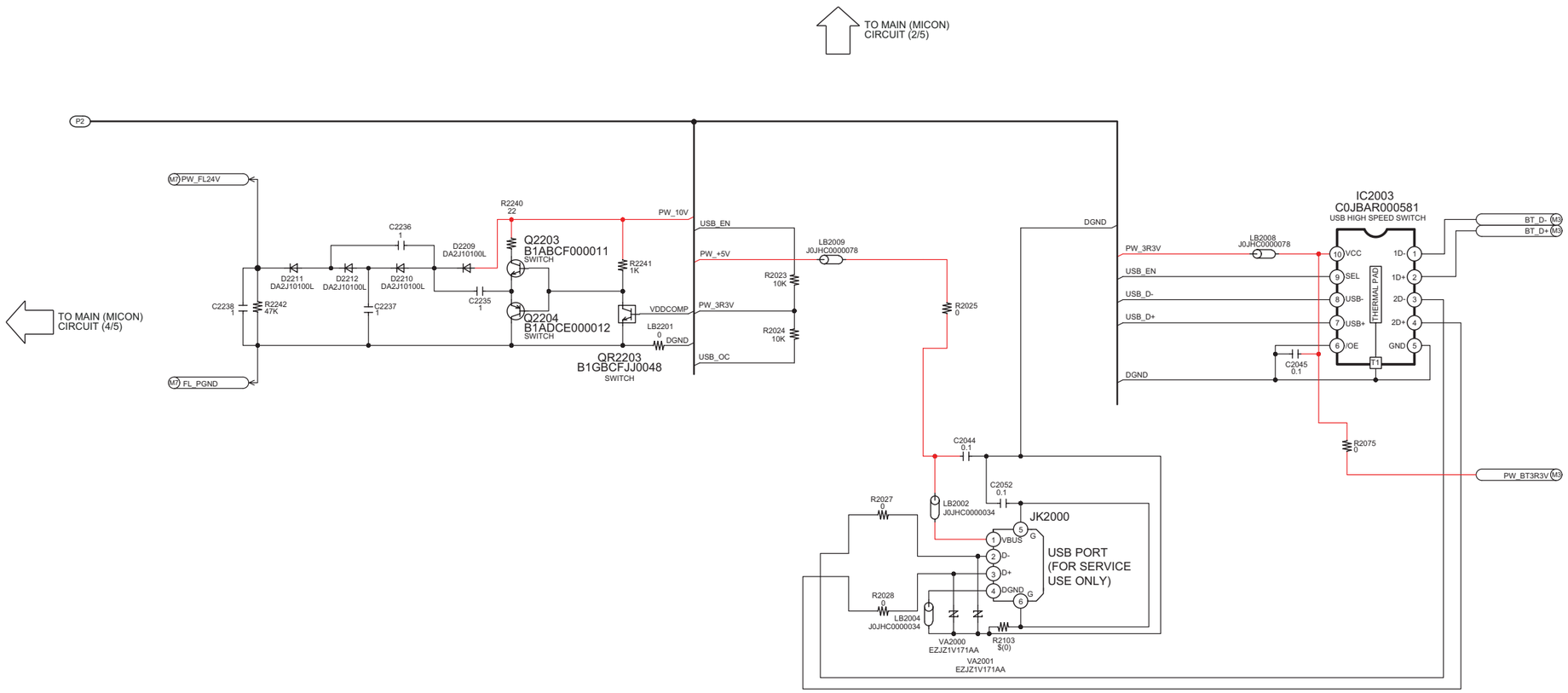
NOTE: " * " REF IS FOR INDICATION ONLY

12.8. MAIN (MICON) CIRCUIT (5/5)

SCHEMATIC DIAGRAM - 7

B MAIN (MICON) CIRCUIT

—— : +B SIGNAL LINE : HDMI/OPTICAL/AUX AUDIO INPUT SIGNAL LINE : BLUETOOTH/USB SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE



M0 ~ M8: MAIN (MICON) CIRCUIT: SCHEMATIC DIAGRAM - 3 ~ 7
D1: MAIN (DAMP) CIRCUIT: SCHEMATIC DIAGRAM - 8 ~ 10

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

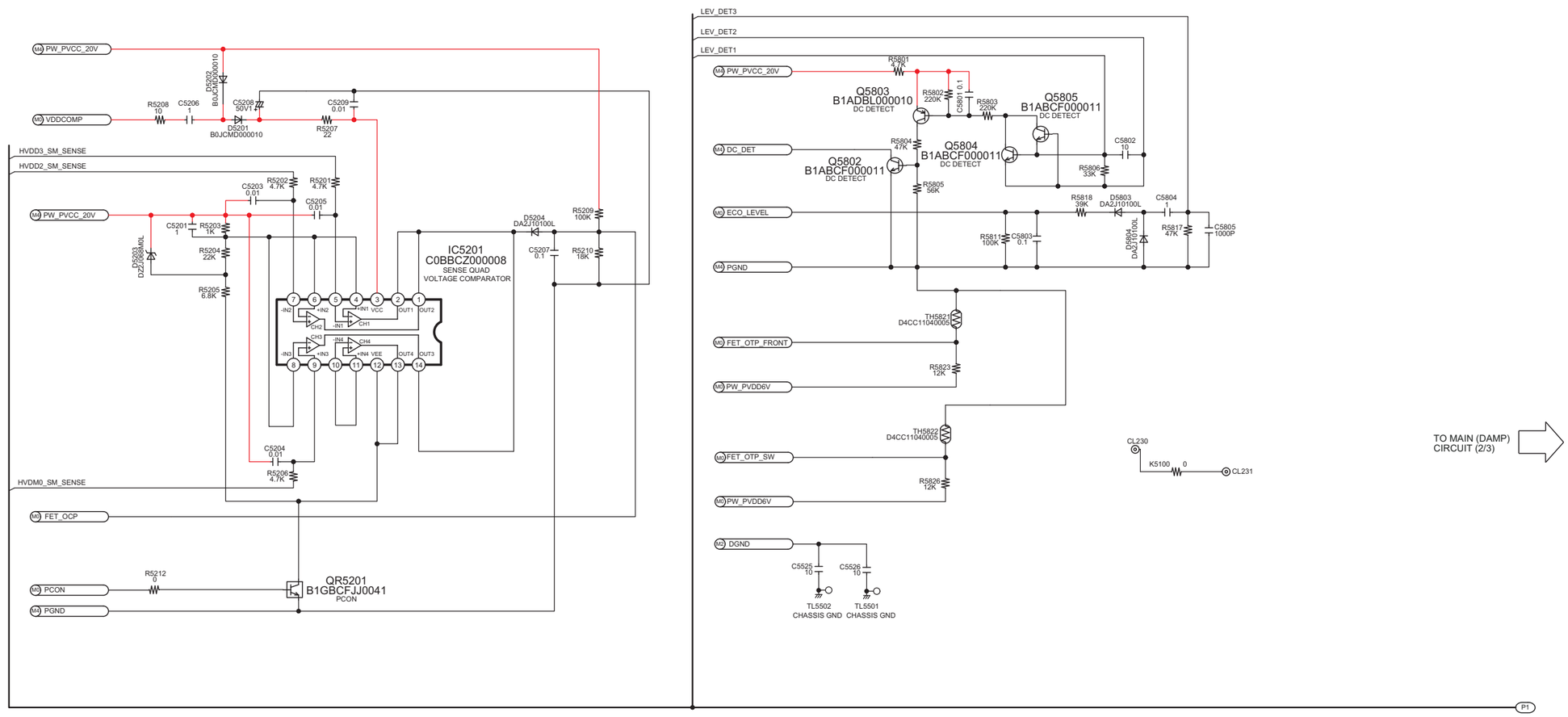
SC-HTE80EB/EE/EG/GN
MAIN (MICON) CIRCUIT

12.9. MAIN (DAMP) CIRCUIT (1/3)

SCHEMATIC DIAGRAM - 8

B MAIN (DAMP) CIRCUIT

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



NOTE: " * " REF IS FOR INDICATION ONLY

M0 ~ M8: MAIN (MICON) CIRCUIT: SCHEMATIC DIAGRAM - 3 ~ 7

1/3	2/3
	3/3

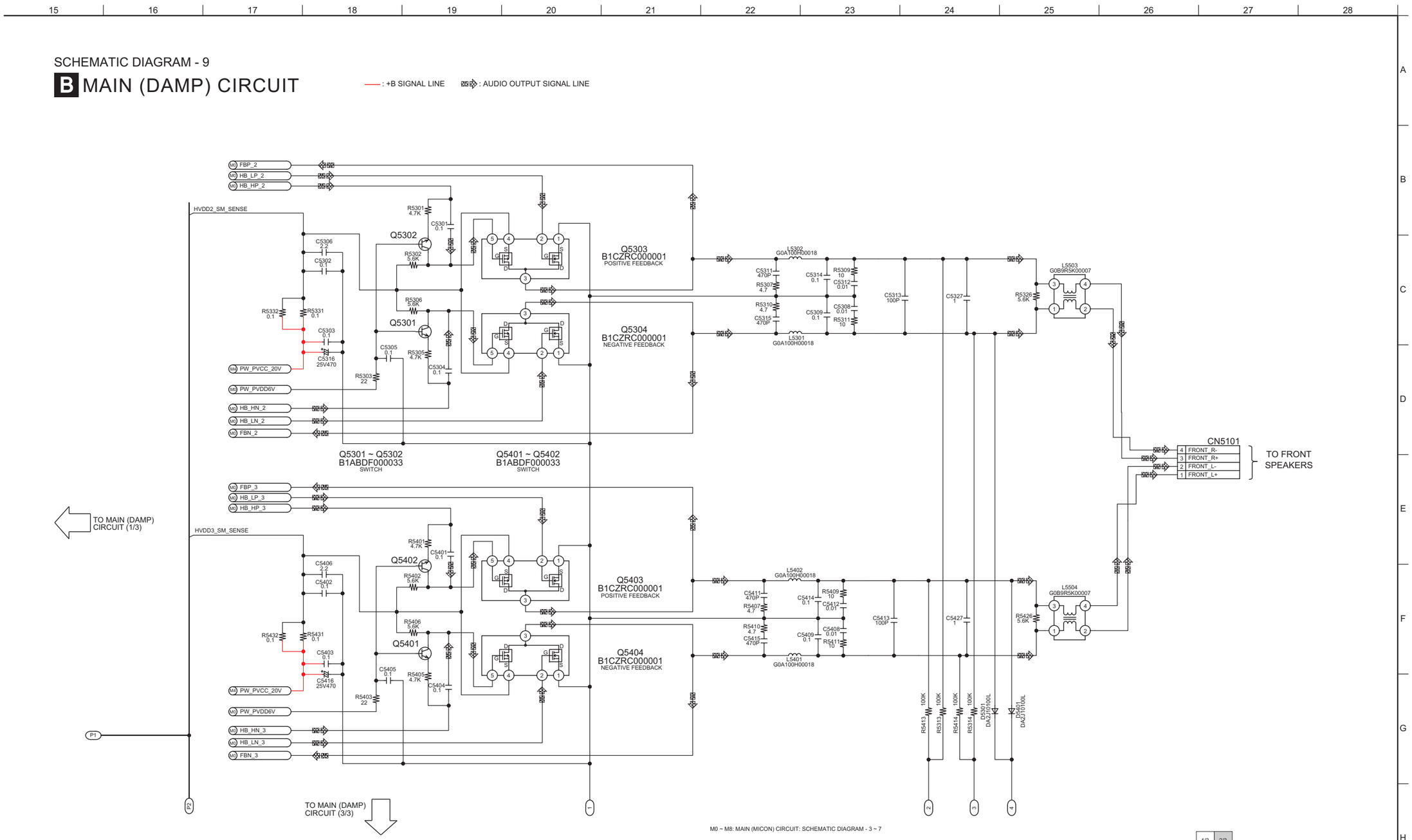
SC-HTE80EB/EE/EG/GN
MAIN (DAMP) CIRCUIT

12.10. MAIN (DAMP) CIRCUIT (2/3)

SCHEMATIC DIAGRAM - 9

B MAIN (DAMP) CIRCUIT

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



M0 ~ M8: MAIN (MICON) CIRCUIT: SCHEMATIC DIAGRAM - 3 ~ 7

1/3 | 2/3 | 3/3

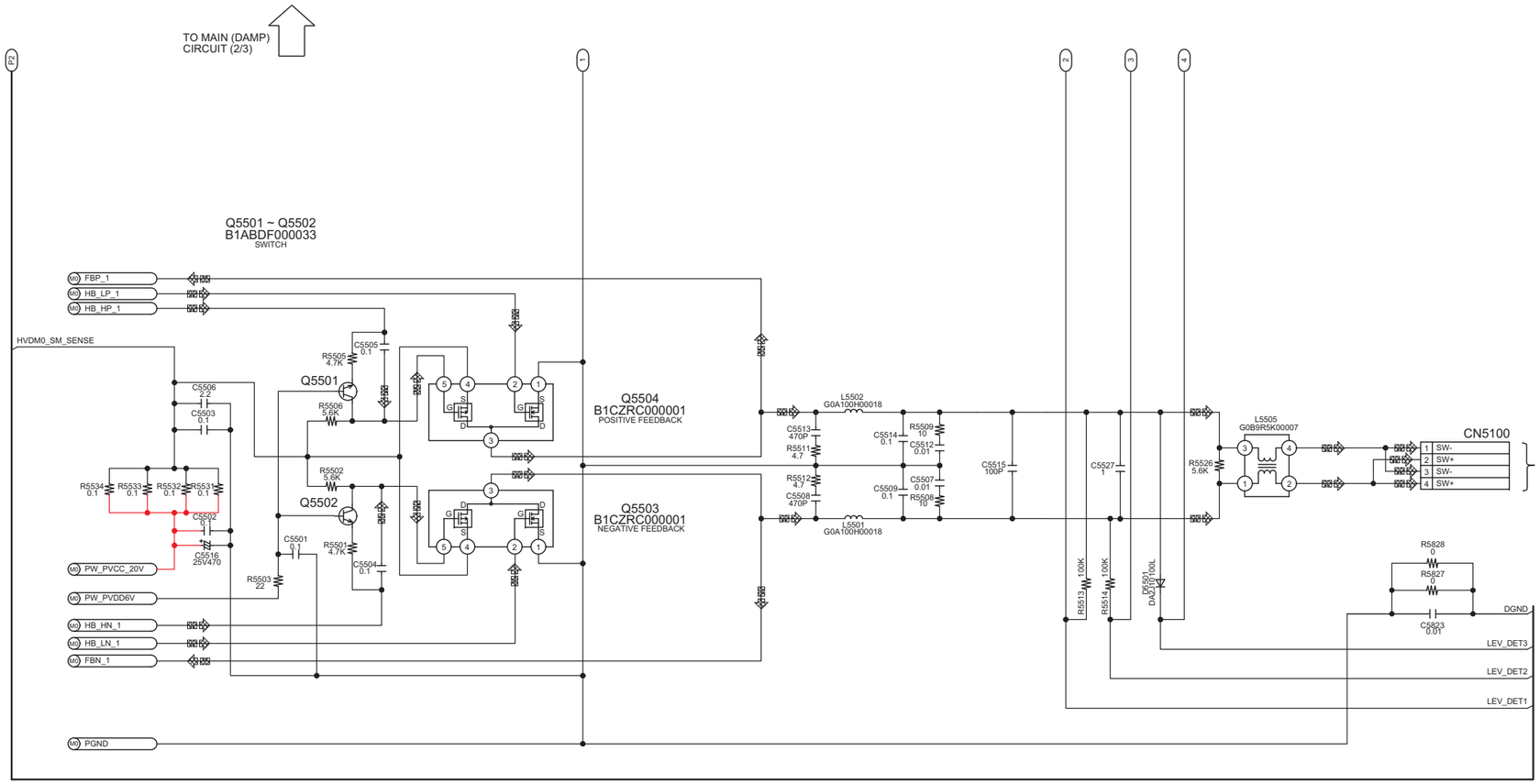
SC-HTE80EB/EE/EG/GN
MAIN (DAMP) CIRCUIT

12.11. MAIN (DAMP) CIRCUIT (3/3)

SCHEMATIC DIAGRAM - 10

B MAIN (DAMP) CIRCUIT

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



M0 ~ M8: MAIN (MICON) CIRCUIT: SCHEMATIC DIAGRAM - 3 ~ 7

NOTE: " * " REF IS FOR INDICATION ONLY

1/3 2/3 3/3

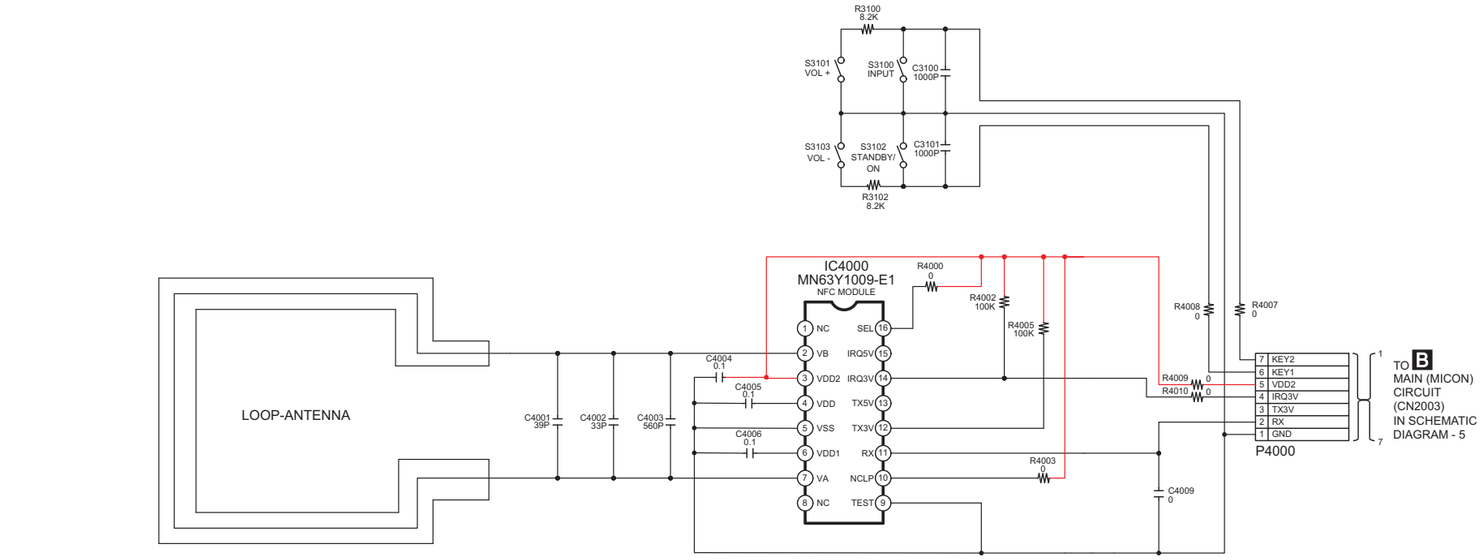
SC-HTE80EB/EE/EG/GN
MAIN (DAMP) CIRCUIT

12.12. NFC & AC INLET CIRCUIT

SCHEMATIC DIAGRAM - 11

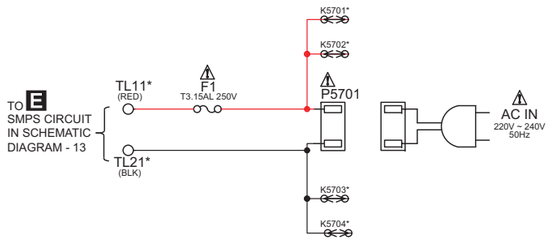
C NFC CIRCUIT

—— : +B SIGNAL LINE



F AC INLET CIRCUIT

—— : +B SIGNAL LINE



NOTE: " * " REF IS FOR INDICATION ONLY

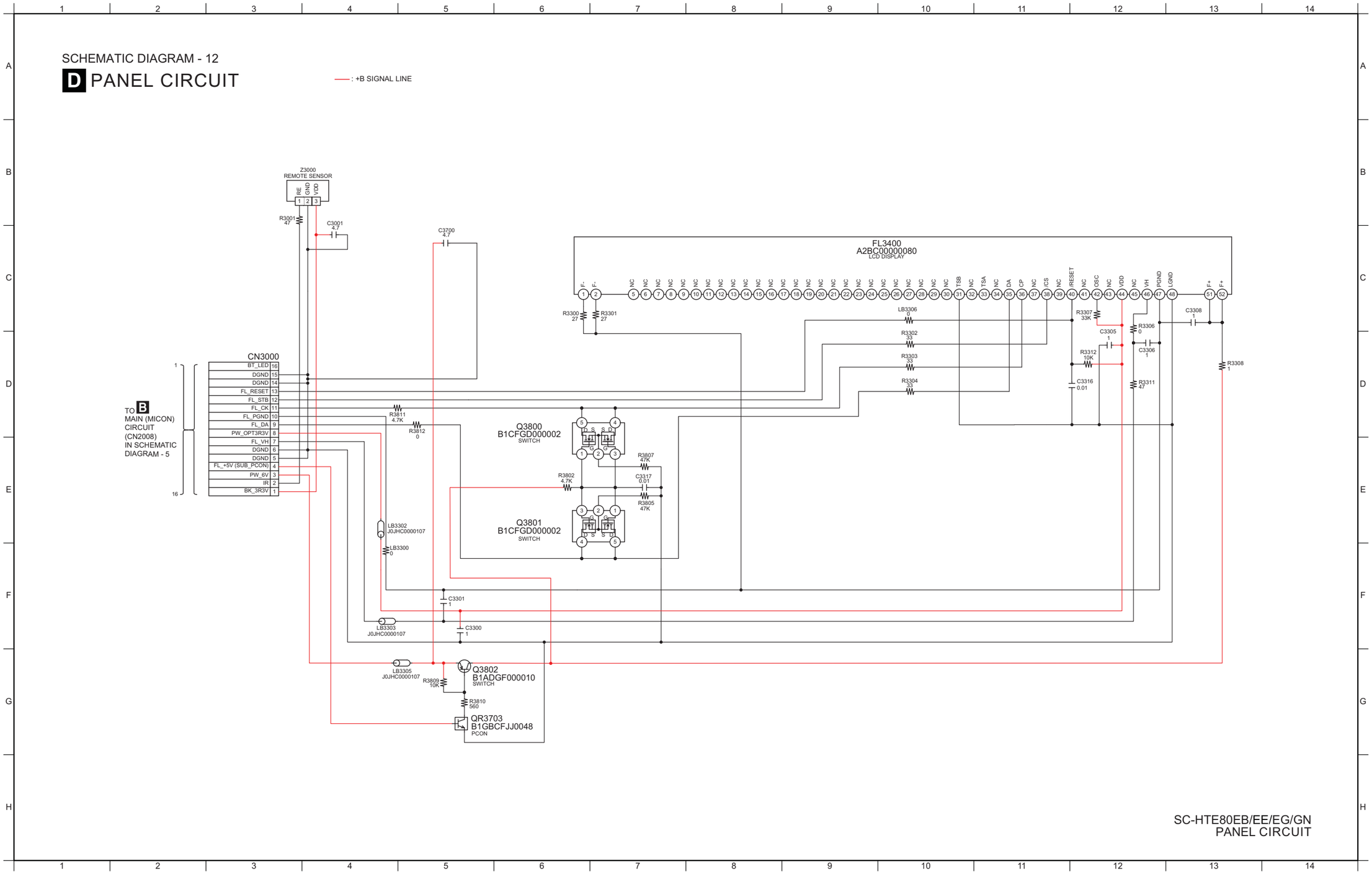
SC-HTE80EB/EE/EG/GN
NFC BUTTON / AC INLET CIRCUIT

12.13. PANEL CIRCUIT

SCHEMATIC DIAGRAM - 12

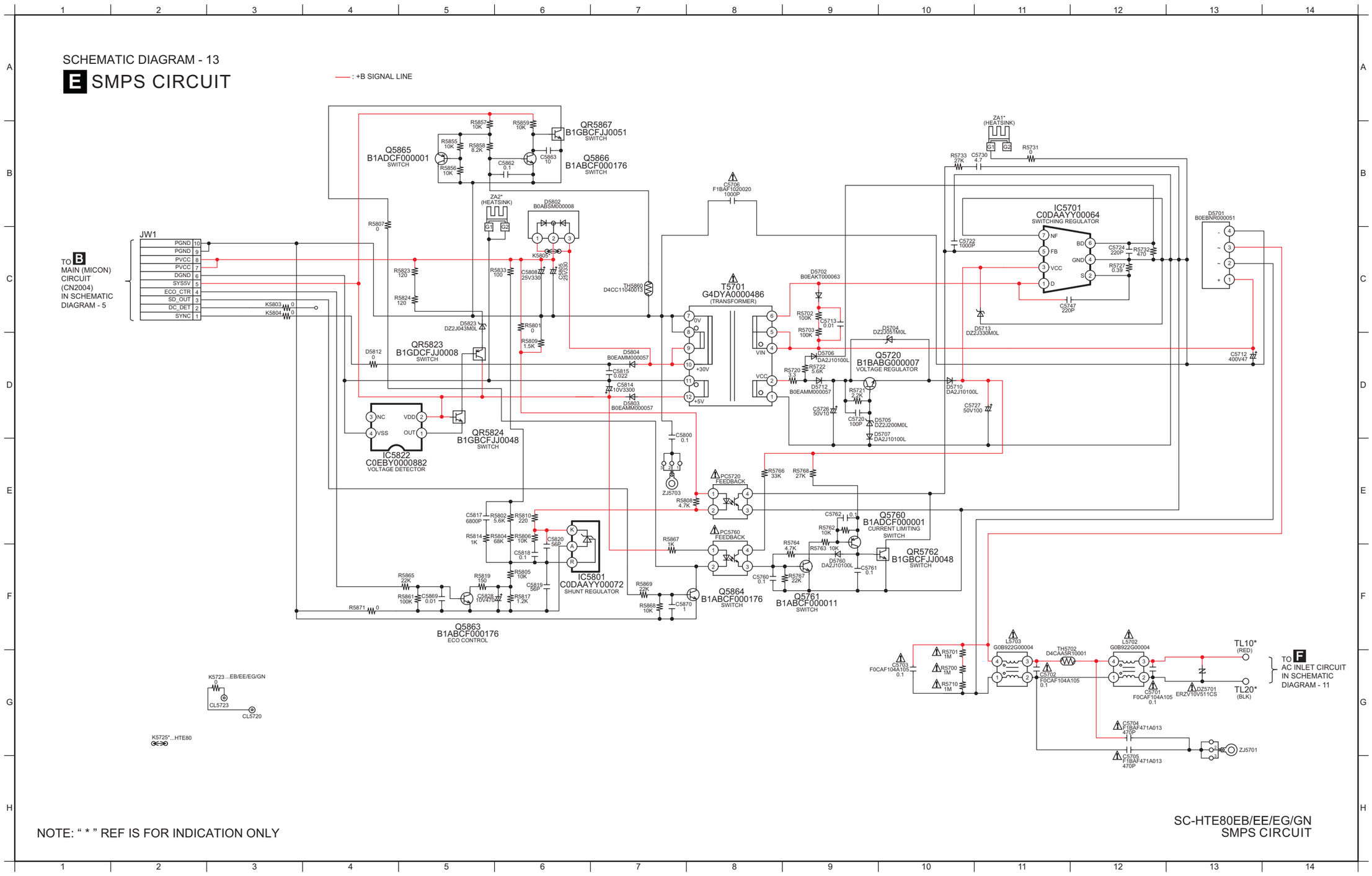
D PANEL CIRCUIT

—— : +B SIGNAL LINE



SC-HTE80EB/EE/EG/GN
PANEL CIRCUIT

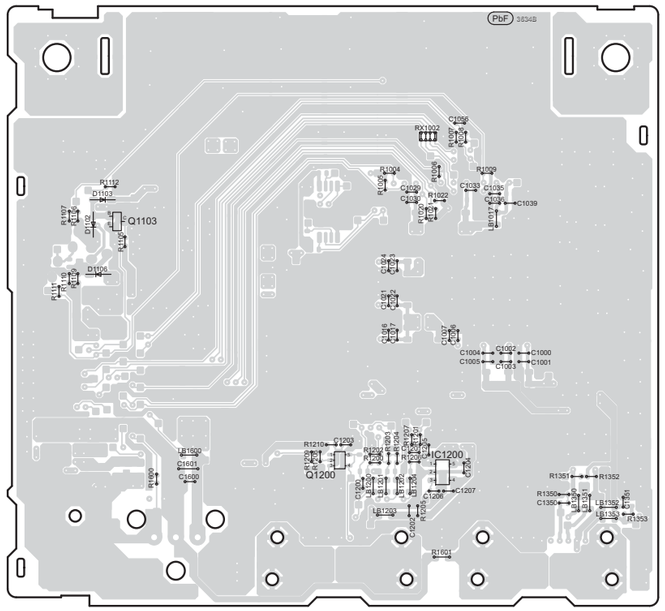
12.14. SMPS CIRCUIT



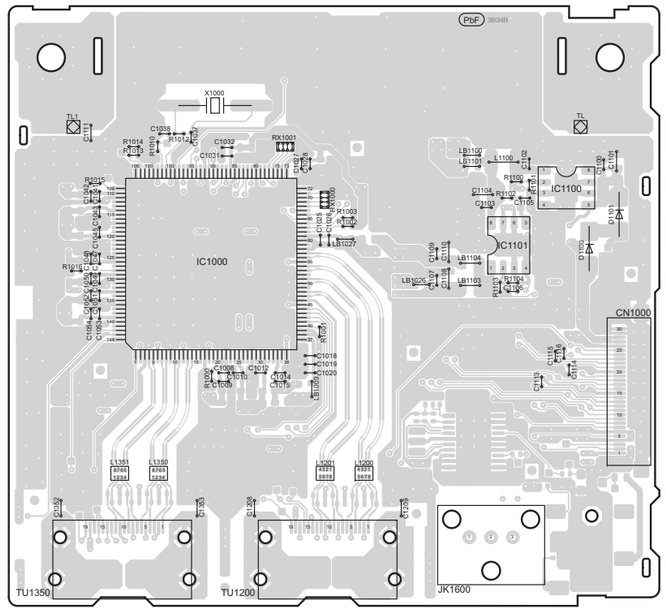
13 Printed Circuit Board

13.1. HDMI P.C.B.

A HDMI P.C.B. (REP5014A)



(SIDE A)

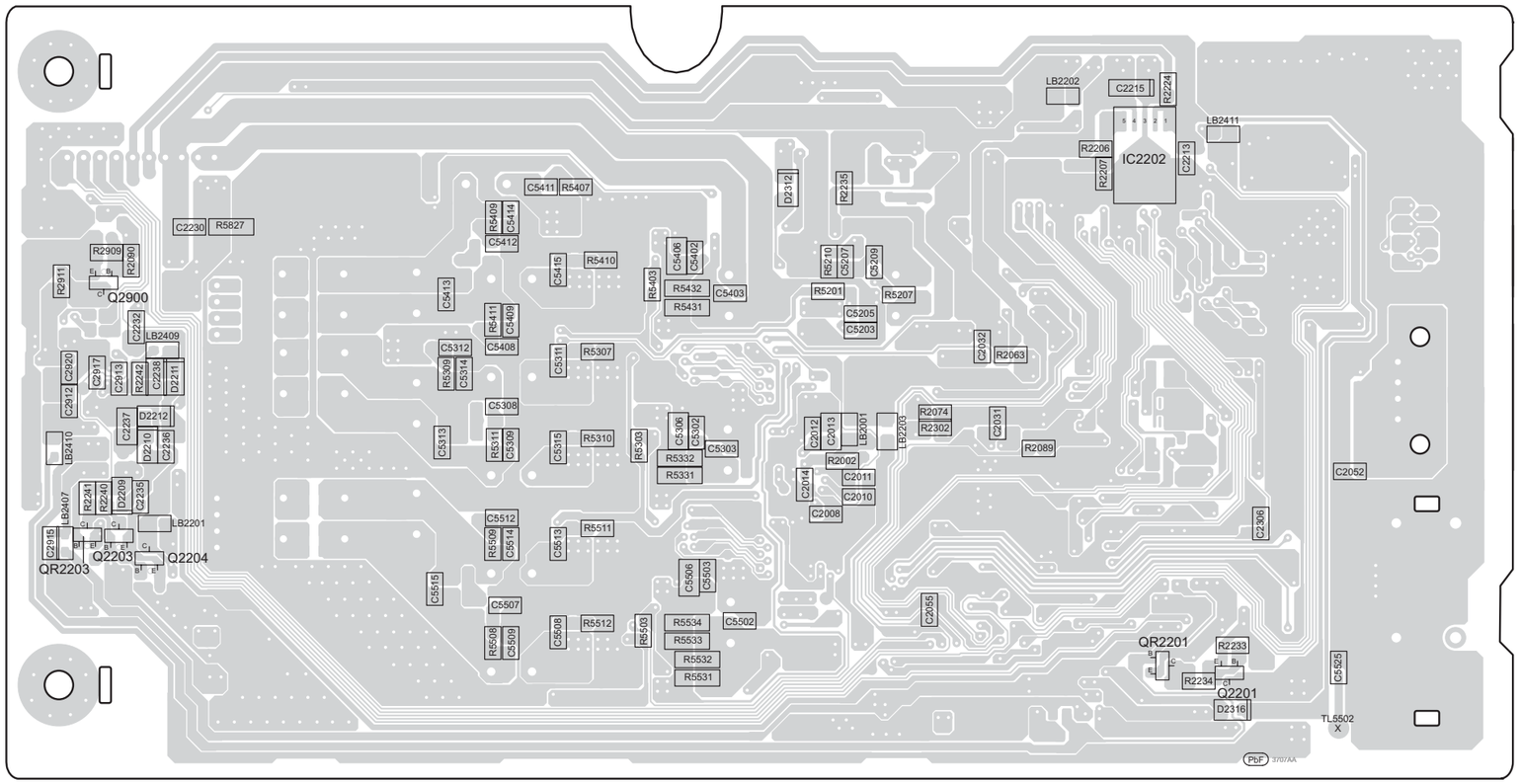


(SIDE B)

SC-HTE80EB/EE/EG/GN
HDMI P.C.B.

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

B MAIN P.C.B. (REP5013AA)

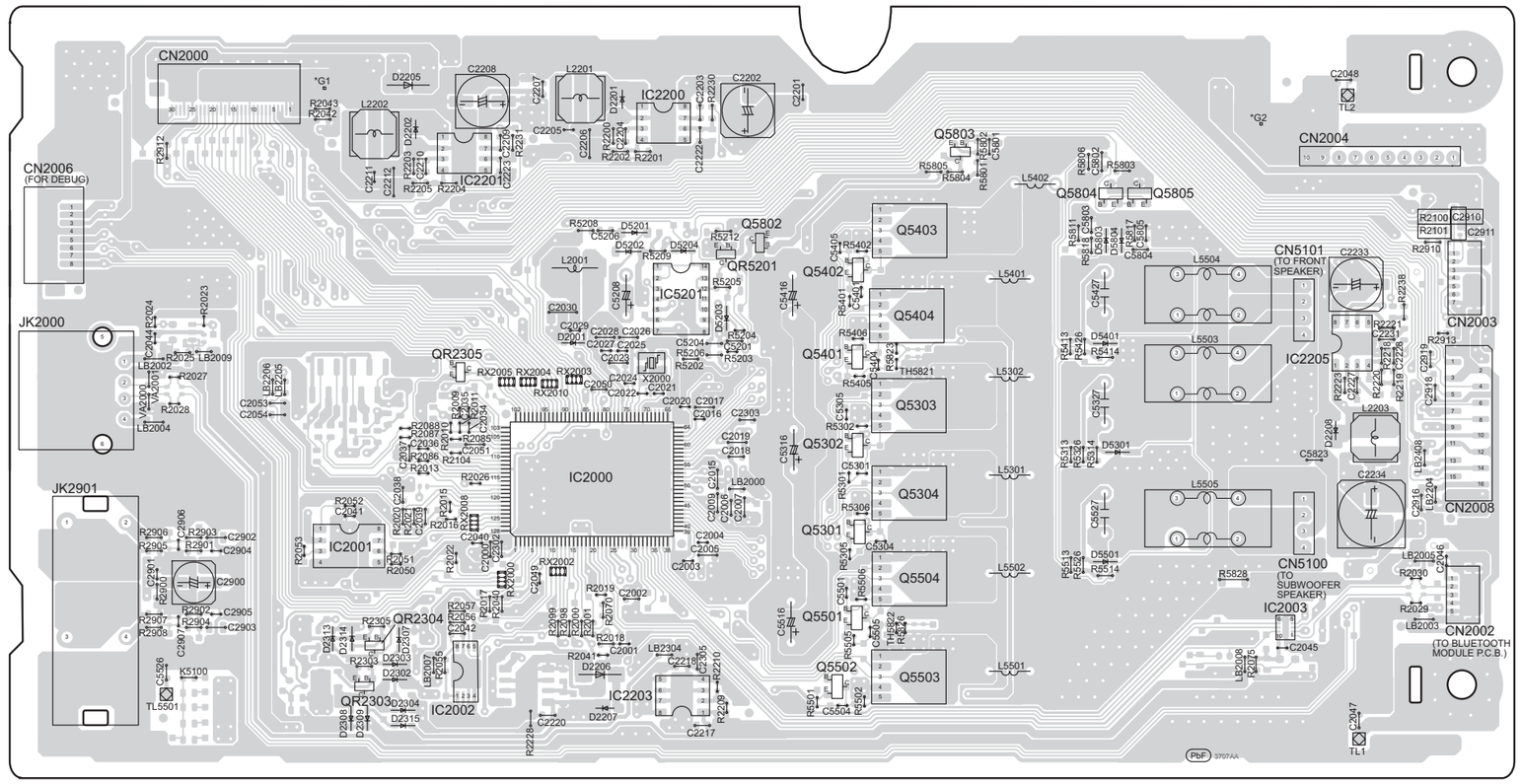


(SIDE A)

SC-HTE80EB/EE/EG/GN
MAIN P.C.B.

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

B MAIN P.C.B. (REP5013AA)



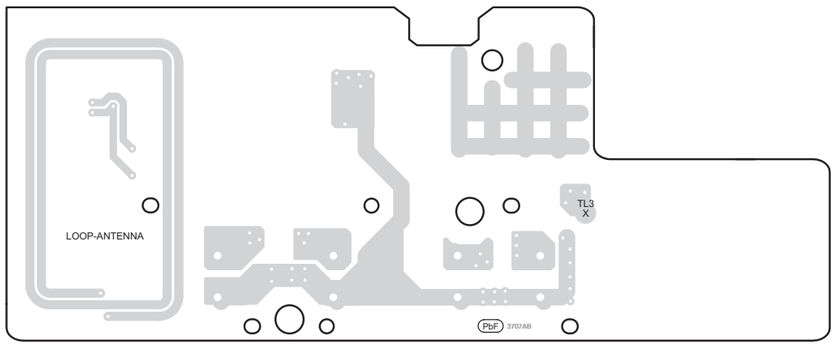
(SIDE B)

NOTE: " * " REF IS FOR INDICATION ONLY

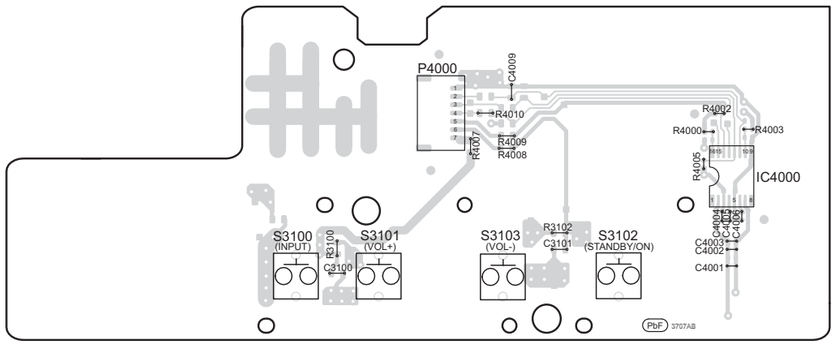
SC-HTE80EB/EE/EG/GN
MAIN P.C.B.

13.4. NFC & PANEL P.C.B.

C NFC P.C.B. (REP5013AB)

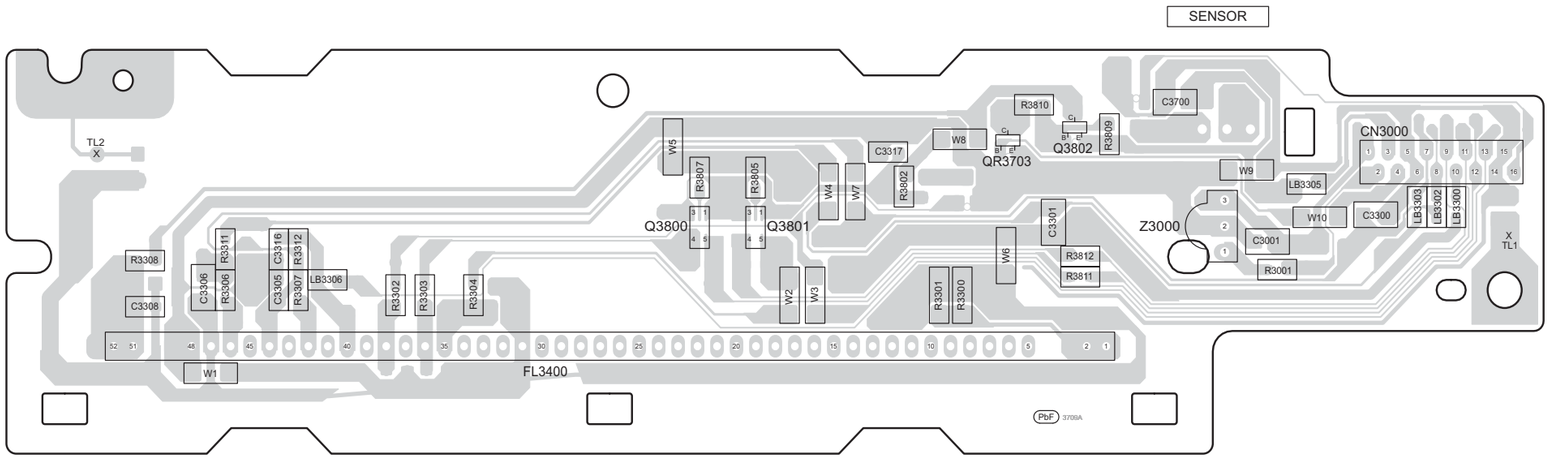


(SIDE A)



(SIDE B)

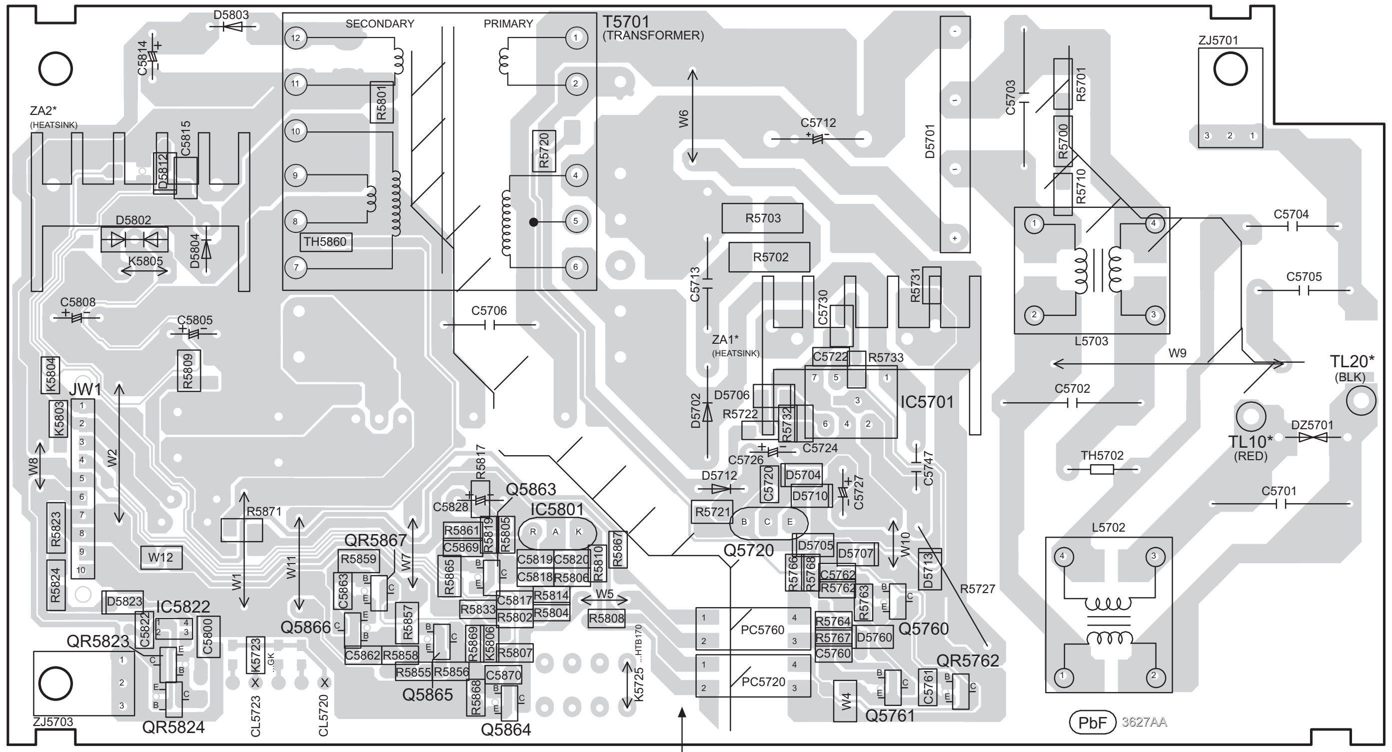
D PANEL P.C.B. (REP5012A)



SC-HTE80EB/EE/EG/GN
NFC / PANEL P.C.B.

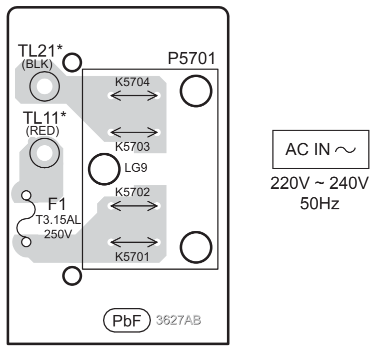
13.5. SMPS & AC INLET P.C.B.

E SMPS P.C.B. (REP4860T)



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

F AC INLET P.C.B. (REP4860T)



NOTE: " * " REF IS FOR INDICATION ONLY

14 Appendix Information of Schematic Diagram

14.1. 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.

14.1.1. HDMI P.C.B. (1/2)

REF NO.	IC1000																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HDMI	5.0	1.8	0	3.0	3.0	3.3	3.0	3.0	0	3.0	3.0	3.3	3.3	3.0	3.0	0.9	0	1.8	1.1	0
STANDBY	5.0	1.8	0	3.0	3.0	3.3	3.0	3.0	0	3.0	3.0	3.3	3.3	3.0	3.0	0.9	0	1.8	1.1	0

REF NO.	IC1000																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
HDMI	1.8	0	0	1.1	3.3	0.9	0.8	0	0.9	0.9	3.3	0.9	0.8	1.8	0	1.8	1.8	0	0	0.5
STANDBY	1.8	0	0	1.1	3.3	0.9	0.8	0	0.9	0.9	3.3	0.9	0.8	1.8	0	1.8	1.8	0	0	0.5

REF NO.	IC1000																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
HDMI	4.6	0	5.0	5.0	1.8	0	3.0	3.0	0	3.0	3.0	0	3.0	3.0	1.8	3.0	3.0	0	0.8	0
STANDBY	4.6	0	5.0	5.0	1.8	0	3.0	3.0	0	3.0	3.0	0	3.0	3.0	1.8	3.0	3.0	0	0.8	0

REF NO.	IC1000																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
HDMI	1.8	2.2	0	0	3.3	0	0	0	0	0	0	0	3.3	0	0	0	0	0	3.3	0
STANDBY	1.8	2.2	0	0	3.3	0	0	0	0	0	0	0	3.3	0	0	0	0	0	3.3	0

REF NO.	IC1000																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
HDMI	1.8	0	0	3.3	0	3.3	1.7	0.2	0	0	0	0	1.8	1.7	1.7	1.6	3.4	2.8	0	1.8
STANDBY	1.8	0	0	3.3	0	3.3	1.7	0.2	0	0	0	0	1.8	1.7	1.7	1.6	3.4	2.8	0	1.8

REF NO.	IC1000																			
MODE	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
HDMI	0.8	0.7	1.8	0	0	0	3.0	1.1	0	0	0	1.0	1.0	3.4	1.0	0.9	0	1.0	0.8	3.3
STANDBY	0.8	0.7	1.8	0	0	0	3.0	1.1	0	0	0	1.0	1.0	3.4	1.0	0.9	0	1.0	0.8	3.3

REF NO.	IC1000																			
MODE	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
HDMI	0.9	0.8	0.8	0	0	1.8	1.0	0	1.8	0	0.8	0.9	0.9	3.3	0.9	0.9	0	0.9	0.9	0.9
STANDBY	0.9	0.8	0.8	0	0	1.8	1.0	0	1.8	0	0.8	0.9	0.9	3.3	0.9	0.9	0	0.9	0.9	0.9

REF NO.	IC1000																			
MODE	141	142	143	144																
HDMI	0.9	5.0	5.0	5.0																
STANDBY	0.9	5.0	5.0	5.0																

REF NO.	IC1100																			
MODE	1	2	3	4	5	6	7	8												
POWER ON	3.4	0.8	0	0	3.9	0	0	3.9												
STANDBY	3.4	0.8	0	0	3.9	0	0	3.9												

REF NO.	IC1101																			
MODE	1	2	3	4	5	6	7	8												
POWER ON	1.8	0.8	0	0	3.0	0	0	3.3												
STANDBY	1.8	0.8	0	0	3.0	0	0	3.3												

SC-HTE80EB/EE/EG/GN HDMI P.C.B.

14.1.2. HDMI P.C.B. (2/2)

REF NO.	IC1200																			
MODE	1	2	3	4	5															
POWER ON	5.5	0	1.3	5.0	5.5															
STANDBY	5.5	0	1.3	5.0	5.5															

REF NO.	Q1103				Q1200															
MODE	E	C	B		1	2	3	4	5											
HDMI	0	1.8	0.4		3.4	3.4	3.4	3.2	3.2											
STANDBY	0	1.8	0.4		3.4	3.4	3.4	3.2	3.2											

SC-HTE80EB/EE/EG/GN HDMI P.C.B.

14.1.3. MAIN P.C.B. (1/3)

REF NO.	IC2000																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	3.4	0	3.4	0	0	3.2	3.4	1.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0	3.4	3.4	3.4	1.0
STANDBY	3.4	0	3.4	0	0	3.2	3.4	1.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0	3.4	3.4	3.4	1.0

REF NO.	IC2000																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	1.0	1.4	16	1.6	1.6	1.6	16	1.6	0	0	0.1	0.1	9.7	9.7	9.7	3.3	0	3.3	0	4.0
STANDBY	1.0	1.4	16	1.6	1.6	1.6	16	1.6	0	0	0.1	0.1	9.7	9.7	9.7	3.3	0	3.3	0	4.0

REF NO.	IC2000																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
CD PLAY	3.0	2.8	3.3	2.8	3.3	9.8	4.0	0	4.0	6.0	9.7	0	3.3	2.8	3.3	2.8	3.0	3.3	2.8	3.3
STANDBY	3.0	2.8	3.3	2.8	3.3	9.8	4.0	0	4.0	6.0	9.7	0	3.3	2.8	3.3	2.8	3.0	3.3	2.8	3.3

REF NO.	IC2000																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
CD PLAY	2.8	3.0	4.0	0	0	0	1.0	0	0	0	0	0.8	0	3.0	6.0	0	1.5	1.4	0	0
STANDBY	2.8	3.0	4.0	0	0	0	1.0	0	0	0	0	0.8	0	3.0	6.0	0	1.5	1.4	0	0

REF NO.	IC2000																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CD PLAY	0	1.7	0	3.4	3.1	0.8	0	0	3.4	0	0.3	1.7	1.7	1.7	3.4	3.0	3.2	3.3	3.4	0
STANDBY	0	1.7	0	3.4	3.1	0.8	0	0	3.4	0	0.3	1.7	1.7	1.7	3.4	3.0	3.2	3.3	3.4	0

REF NO.	IC2000																			
MODE	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
CD PLAY	3.4	3.4	3.4	0	0	1.9	3.4	3.4	3.4	0.8	1.2	1.1	3.4	1.4	0.8	0	0.1	3.4	0	3.4
STANDBY	3.4	3.4	3.4	0	0	1.9	3.4	3.4	3.4	0.8	1.2	1.1	3.4	1.4	0.8	0	0.1	3.4	0	3.4

REF NO.	IC2000																			
MODE	121	122	123	124	125	126	127	128												
CD PLAY	3.4	3.1	3.3	3.4	0	0.7	0	3.4												
STANDBY	3.4	3.1	3.3	3.4	0	0.7	0	3.4												

REF NO.	IC2001																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	3.4	0.8	3.4	0	0	0	0.7	3.4												
STANDBY	3.4	0.8	3.4	0	0	0	0.7	3.4												

REF NO.	IC2002																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	3.4	3.4	0	0	3.4	3.4	0	3.4												
STANDBY	3.4	3.4	0	0	3.4	3.4	0	3.4												

REF NO.	IC2003																			
MODE	1	2	3	4	5	6	7	8	9	10										
CD PLAY	1.4	3.3	1.3	1.1	0	0	1.2	1.2	3.3	3.3										
STANDBY	1.4	3.3	1.3	1.1	0	0	1.2	1.2	3.3	3.3										

14.1.4. MAIN P.C.B. (2/3)

REF NO.	IC2200																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	5.6	0	1.2	1.0	0	3.2	10.6	20.4												
STANDBY	5.6	0	1.2	1.0	0	3.2	10.6	20.4												

REF NO.	IC2201																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	5.1	0	1.2	1.0	0	3.4	10.1	20.4												
STANDBY	5.1	0	1.2	1.0	0	3.4	10.1	20.4												

REF NO.	IC2202																			
MODE	1	2	3	4	5															
CD PLAY	6.1	6.1	0	3.9	1.3															
STANDBY	6.1	6.1	0	3.9	1.3															

REF NO.	IC2203																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	3.4	0.8	0	0	6.0	0	0	6.0												
STANDBY	3.4	0.8	0	0	6.0	0	0	6.0												

REF NO.	IC2205																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	10.2	0	1.2	1.0	0	3.1	15.0	20.4												
STANDBY	10.2	0	1.2	1.0	0	3.1	15.0	20.4												

REF NO.	IC5201																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
CD PLAY	3.2	3.0	23.2	20.1	20.4	20.1	20.4	20.4	1.1	1.1	0	0	0	3.2						
STANDBY	3.2	3.0	23.2	20.1	20.4	20.1	20.4	20.4	1.1	1.1	0	0	0	3.2						

REF NO.	Q2201				Q2203				Q2204				Q2900				Q5301			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	3.3	3.3	2.6		4.6	10.1	4.5		0	0	4.5		3.4	3.4	2.8		5.6	17.5	6.0	
STANDBY	3.3	3.3	2.6		4.6	10.1	4.5		0	0	4.5		3.4	3.4	2.8		5.6	17.5	6.0	

REF NO.	Q5302				Q5303						Q5304						Q5401			
MODE	E	C	B		1	2	3	4	5		1	2	3	4	5		E	C	B	
CD PLAY	5.6	17.5	6.0		0	2.7	9.8	20.4	17.5		0	2.7	9.8	20.4	17.5		5.6	17.5	6.0	
STANDBY	5.6	17.5	6.0		0	2.7	9.8	20.4	17.5		0	2.7	9.8	20.4	17.5		5.6	17.5	6.0	

REF NO.	Q5402				Q5403						Q5404						Q5501			
MODE	E	C	B		1	2	3	4	5		1	2	3	4	5		E	C	B	
CD PLAY	5.6	17.5	6.0		0	2.7	9.8	20.4	17.5		0	2.7	9.8	20.4	17.5		5.6	17.5	6.0	
STANDBY	5.6	17.5	6.0		0	2.7	9.8	20.4	17.5		0	2.7	9.8	20.4	17.5		5.6	17.5	6.0	

REF NO.	Q5502				Q5503						Q5504						Q5802			
MODE	E	C	B		1	2	3	4	5		1	2	3	4	5		E	C	B	
CD PLAY	5.6	17.5	6.0		0	2.7	9.8	20.4	17.5		0	2.7	9.8	20.4	17.6		0	3.4	0	
STANDBY	5.6	17.5	6.0		0	2.7	9.8	20.4	17.5		0	2.7	9.8	20.4	17.6		0	3.4	0	

SC-HTE80EB/EE/EG/GN MAIN P.C.B.

14.1.5. MAIN P.C.B. (3/3)

REF NO.	Q5803				Q5804				Q5805				QR2201				QR2203			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	20.4	0	0		10.7	0	10.7		10.7	0	10.7		0	0	3.1		1.7	4.5	0	
STANDBY	20.4	0	0		10.7	0	10.7		10.7	0	10.7		0	0	3.1		1.7	4.5	0	

REF NO.	QR2303				QR2304				QR2305				QR5201							
MODE	E	C	B		E	C	B		E	C	B		E	C	B					
CD PLAY	0	3.4	0.2		0	3.4	0		0	3.4	0		0	0	3.2					
STANDBY	0	3.4	0.2		0	3.4	0		0	3.4	0		0	0	3.2					

SC-HTE80EB/EE/EG/GN MAIN P.C.B.

14.1.6. NFC P.C.B.

REF NO.	IC4000																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
NFC	0	0.2	3.4	1.9	0	1.9	0.2	0.3	0	3.4	3.4	3.4	1.3	3.4	1.3	3.4				
STANDBY	0	0.2	3.4	1.9	0	1.9	0.2	0.3	0	3.4	3.4	3.4	1.3	3.4	1.3	3.4				

SC-HTE80EB/EE/EG/GN NFC P.C.B.

14.1.7. PANEL P.C.B.

REF NO.	Q3800						Q3801						Q3802				QR3703			
MODE	1	2	3	4	5		1	2	3	4	5		E	C	B		E	C	B	
POWER ON	5.7	0	0	0	0		5.7	0	0	0	0		6.0	6.0	5.0		0	0	3.1	
STANDBY	5.7	0	0	0	0		5.7	0	0	0	0		6.0	6.0	5.0		0	0	3.1	

SC-HTE80EB/EE/EG/GN PANEL P.C.B.

14.1.8. SMPS P.C.B.

REF NO.	IC5701																			
MODE	1	2	3	4	5	6	7													
POWER ON	166.6	0	5.5	0	2.1	0.4	0													
STANDBY	166.6	0	5.5	0	2.1	0.4	0													

REF NO.	IC5801																			
MODE	K	A	R																	
POWER ON	18.1	0	2.4																	
STANDBY	18.1	0	2.4																	

REF NO.	IC5822																			
MODE	1	2	3	4																
POWER ON	6.0	6.0	0	0																
STANDBY	6.0	6.0	0	0																

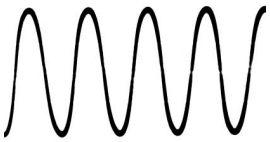
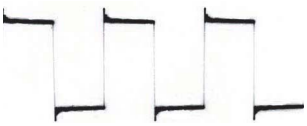
REF NO.	Q5720				Q5760				Q5761				Q5863				Q5864			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
POWER ON	19.6	20.5	20.5		0	0	19.1		0	19.0	0		0	0	0.6		0	5.5	0	
STANDBY	19.6	20.5	20.5		0	0	19.1		0	19.0	0		0	0	0.6		0	5.5	0	

REF NO.	Q5865				Q5866				QR5762				QR5823				QR5824			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
POWER ON	0.9	0	0.2		0.2	0	0.5		0	0.9	0		18.0	6.0	18.0		6.0	18.0	6.0	
STANDBY	0.9	0	0.2		0.2	0	0.5		0	0.9	0		18.0	6.0	18.0		6.0	18.0	6.0	

REF NO.	QR5867																			
MODE	E	C	B																	
POWER ON	0.3	5.6	0.4																	
STANDBY	0.3	5.6	0.4																	

SC-HTE80EB/EE/EG/GN SMPS P.C.B.

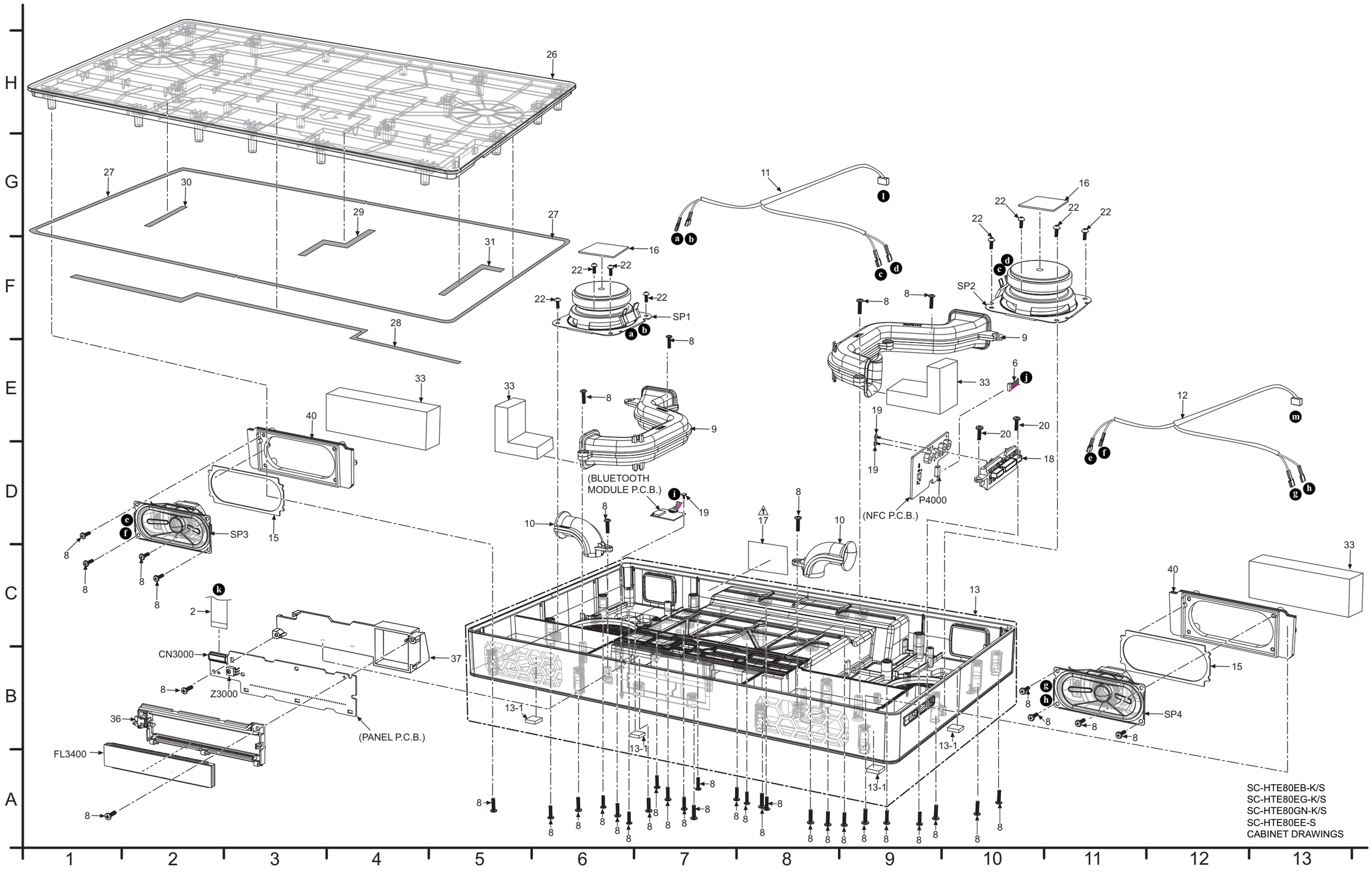
14.1.9. Waveform Chart

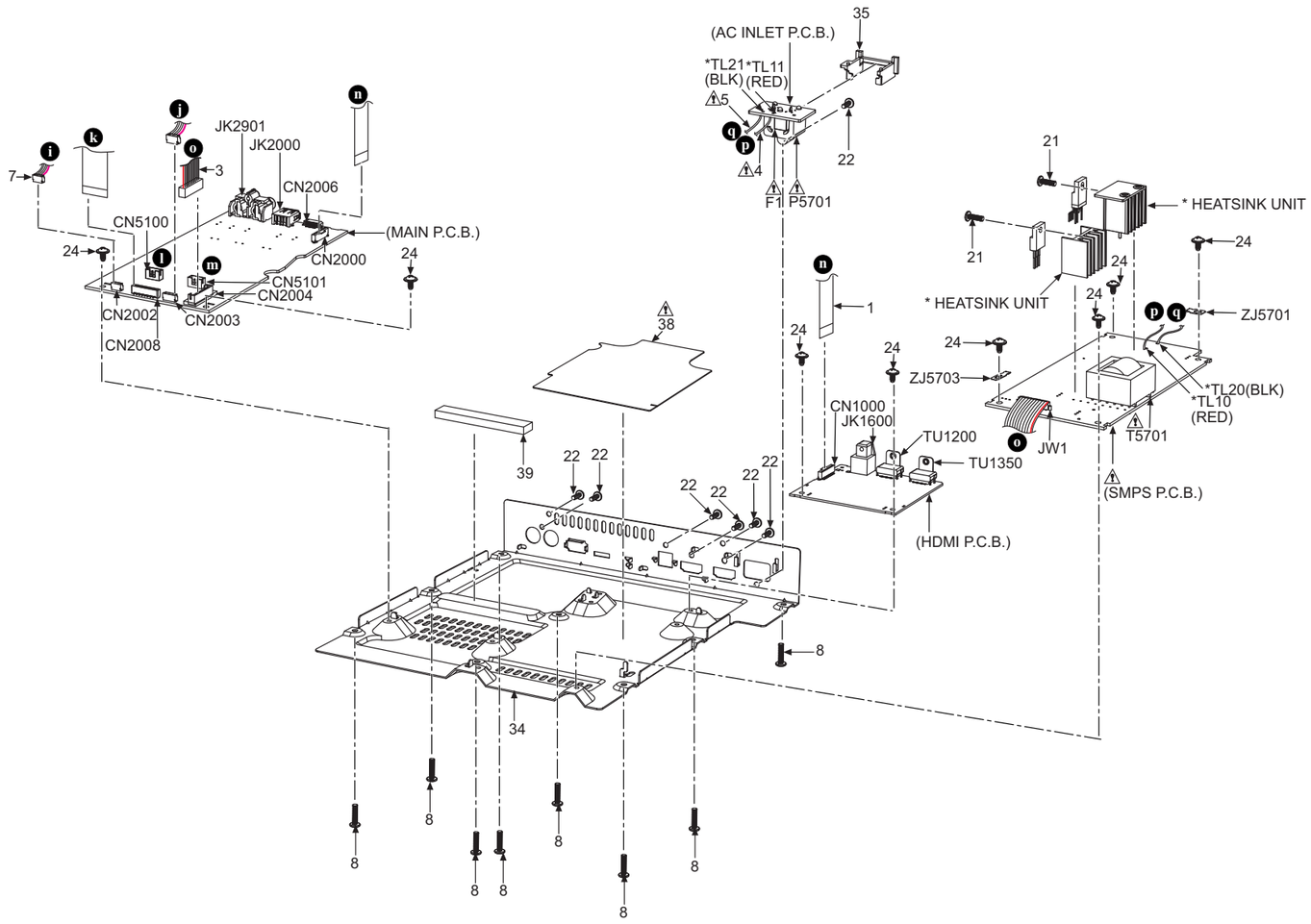
WF No. IC1000-101,102 (PLAY)	WF No. IC2000-33,34,46,47 57 (PLAY)	WF No. IC2000-35,36,37,38,42, 43,44,45,58,59, 60,61 (PLAY)	WF No. IC2000-72,73 (PLAY)
			
2Vp-p(20nsec/div)	1.8Vp-p(500nsec/div)	2.4Vp-p(500nsec/div)	1.4Vp-p(20nsec/div)

15 Exploded View and Replacement Parts List

15.1. Exploded View and Mechanical replacement Parts List

15.1.1. Cabinet Parts Location

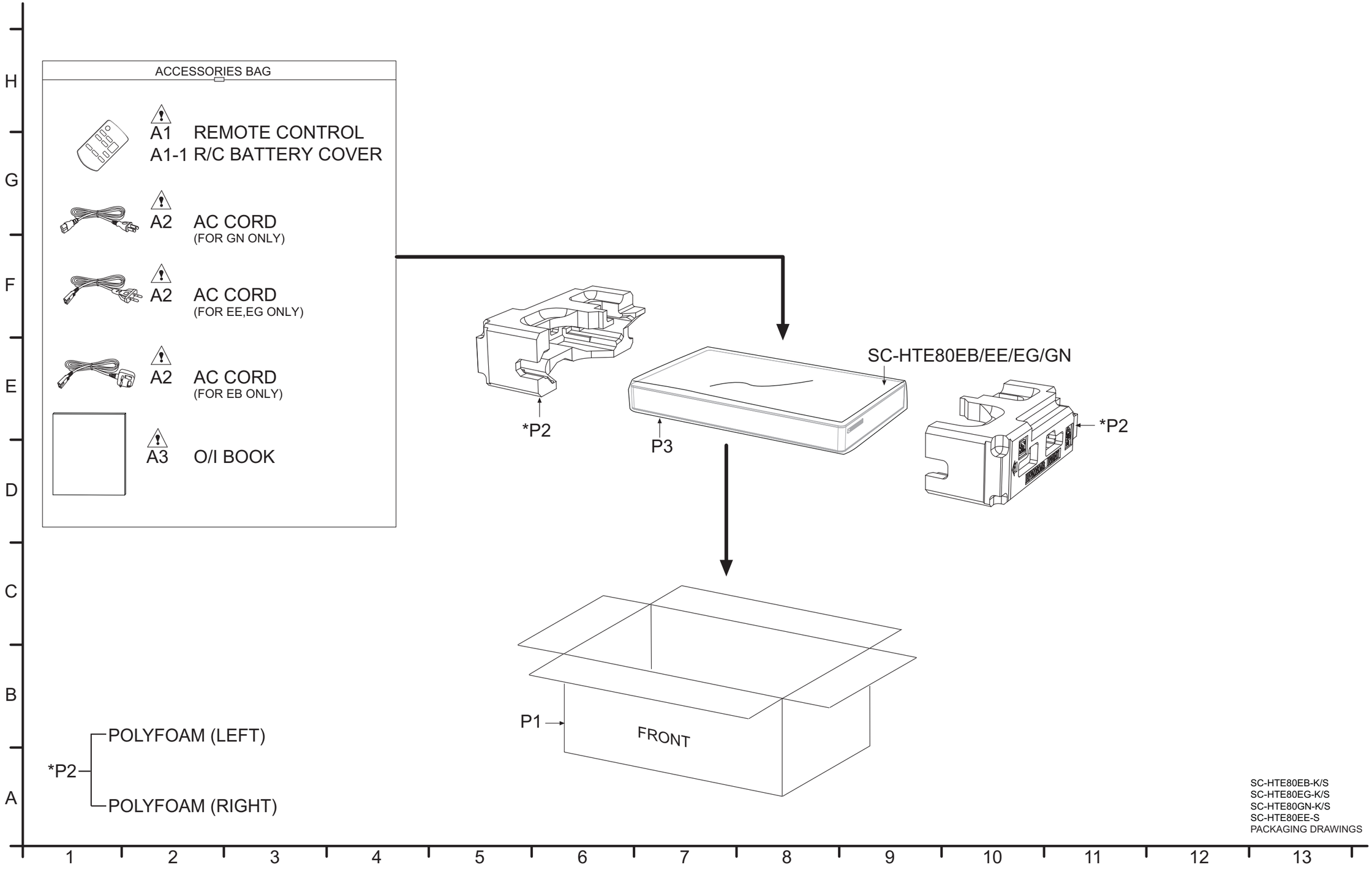




NOTE: " * " PART IS NOT SUPPLIED / REF IS FOR INDICATION ONLY.

SC-HTE80EB-K/S
SC-HTE80EG-K/S
SC-HTE80GN-K/S
SC-HTE80EE-S
CABINET DRAWINGS

15.1.2. Packaging



15.1.3. 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.
- All parts mentioned are supplied by PAVCJM unless indicated likewise.
- 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	Fi:	Finnish

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
			CABINET AND CHASSIS		
	1	REE1748	30P FFC (MAIN - HDMI)	1	
	2	REE1864	16P FFC (MAIN - PANEL)	1	
	3	REX1583	10P CABLE WIRE (SMPS - MAIN)	1	
⚠	4	REX1657	1P RED WIRE (AC INLT - SMPS)	1	
⚠	5	REX1658	1P BLACK WIRE (AC INLET - SMPS)	1	
	6	REX1663-2	7P CABLE WIRE (MAIN - BUTTON)	1	
	7	REX1666	5P WIRE (MAIN - BLUETOOTH)	1	
	8	XTB3+12JFJK	SCREW	49	
	9	RYT0029	SUB WOOFER PORT UNIT	2	
	10	RYT0030	SPEAKER PORT UNIT	2	
	11	REX1664	4P WIRE (MAIN - SUBWOOFER)	1	
	12	REX1665	4P WIRE (MAIN - SPEAKER)	1	
	13	RFKGCHTE80GN	BOTTOM CABINET ASS'Y	1	EB/EG/ GN-K
	13	RFKGCHTE80EE	BOTTOM CABINET ASS'Y	1	EB/EE/ EG/GN-S
	13-1	RKAX0028-K	LEG FELT	4	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	15	RMF0670	SPEAKER UNIT EVA	2	
	16	RMF0672	SUB WOOFER CUSHION	2	
⚠	17	RGN3400-K	NAME PLATE	1	EB/EG-K
⚠	17	RGN3401-S	NAME PLATE	1	EB/EG-S
⚠	17	RGN3402-S	NAME PLATE	1	GN-S
⚠	17	RGN3403-K	NAME PLATE	1	GN-K
⚠	17	RGN3404-S	NAME PLATE	1	EE-S
	18	RGU2932-K	PUSH BUTTON	1	EB/EG/ GN-K
	18	RGU2932-S	PUSH BUTTON	1	EB/EE/ EG/GN-S
	19	RHD14136	SCREW	3	
	20	RHD26046	SCREW	2	
	21	RHD30102-1	SCREW	2	
	22	RHD30119-K	SCREW	15	EB/EG/ GN-K
	22	RHD30119-S	SCREW	15	EB/EE/ EG/GN-S
	24	RHD30172	SCREW	8	
	26	RKM0738-K	TOP CABINET (UPPER)	1	EB/EG/ GN-K
	26	RKM0738-S	TOP CABINET (UPPER)	1	EB/EE/ EG/GN-S
	27	RMF0664	EPT SEALER	2	
	28	RMF0664A	EPT SEALER	1	
	29	RMF0664B	EPT SEALER	1	
	30	RMF0664C	EPT SEALER	1	
	31	RMF0664D	EPT SEALER	1	
	33	RMF0668	ACOUSTIC ABSORBER	4	
	34	RMK0866	BOTTOM CHASSIS	1	EB/EG/ GN-K

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	34	RMK0866A	BOTTOM CHASSIS	1	EB/EE/ EG/GN-S
	35	RMN0941-1	AC HOLDER	1	
	36	RMN1074	FL HOLDER	1	
	37	RMN1075	FRONT BRACKET	1	
⚠	38	RMZ1415	SMPS PCB BOTTOM INSULATOR	1	
	39	RSC1215	THERMAL ABSORBER	1	
	40	RXQ2217	SPEAKER FRAME UNIT	2	
			SPEAKERS		
	SP1	L0AA08A00038	SUBWOOFER UNIT (L)	1	
	SP2	L0AA08A00038	SUBWOOFER UNIT (R)	1	
	SP3	L0AA09C00022	FRONT SPEAKER UNIT (L)	1	
	SP4	L0AA09C00022	FRONT SPEAKER UNIT (R)	1	
			PACKING MATERI-ALS		
	P1	RPG0H30	PACKING CASE	1	EG-K
	P1	RPG0H31	PACKING CASE	1	EG-S
	P1	RPG0H32	PACKING CASE	1	EB-K
	P1	RPG0H33	PACKING CASE	1	EB-S
	P1	RPG0H38	PACKING CASE	1	GN-K
	P1	RPG0H39	PACKING CASE	1	GN-S
	P1	RPG0J87	PACKING CASE	1	EE-S
	P2	RPN2604	POLYFOAM	1	
	P3	RPH0314	MIRAMAT SHEET	1	
			ACCESSORIES		
⚠	A1	N2QAYC000098	REMOTE CONTROL	1	
	A1-1	RKK-HTB10GNK	R/C BATTERY COVER	1	
⚠	A2	K2CJ2YY00093	AC CORD	1	GN
⚠	A2	K2CQ2YY00119	AC CORD	1	EE/EG
⚠	A2	K2CT2YY00097	AC CORD	1	EB
⚠	A3	RQT9861-B	O/I BOOK (EN)	1	EB/GN
⚠	A3	RQT9862-D	O/I BOOK (Ge/Fr/ It/Du/Fi)	1	EG
⚠	A3	RQT9865-Z	O/I BOOK (En/Po/ Cz/Sp/Sw/Da)	1	EG
⚠	A3	RQT9866-R	O/I BOOK (Ru/Ur)	1	EE

15.2. Electrical 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.
- 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 PAVCJM unless indicated likewise.

E.S.D. standards for Electrostatically Sensitive Devices, refer to "PREVENTION OF ELECTROSTATIC DISCHARGE (ESD) TO ELECTROSTATIC SENSITIVE (ES) DEVICES" section.

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
			PRINTED CIR-CUITS BOARD		
⚠	PCB1	REP4860T	SMPS P.C.B.	1	(RTL)
	PCB2	REP4860T	AC INLET P.C.B.	1	(RTL)
	PCB3	REP5012A	PANEL P.C.B.	1	(RTL)
	PCB4	REP5013AA	MAIN P.C.B.	1	(RTL)
	PCB5	REP5013AB	NFC P.C.B.	1	JIGS & ADJ
	PCB6	REP5014A	HDMI P.C. B.	1	(RTL)
	PCB7	N5HZZ0000138	BLUETOOTH MOD-ULE P.C.B.	1	
			INTEGRATED CIR-CUITS		
	IC1000	C1AB00004020	IC	1	(E.S.D)
	IC1100	C0DBEYY00175	IC	1	(E.S.D)
	IC1101	C0DBEYY00175	IC	1	(E.S.D)
	IC1200	C0CBCDD00004	IC	1	(E.S.D)
	IC2000	C1AB00004019	IC	1	(E.S.D)
	IC2001	RFKWFHTE80EM	IC	1	(E.S.D) EB/EE/EG
	IC2001	RFKWFHTE80NM	IC	1	(E.S.D) GN
	IC2002	C3EBEY000042	IC	1	(E.S.D)
	IC2003	C0JBAR000581	IC	1	(E.S.D)
	IC2200	C0DBAYY01282	IC	1	(E.S.D)
	IC2201	C0DBAYY01282	IC	1	(E.S.D)
	IC2202	C0DBEJG00001	IC	1	(E.S.D)
	IC2203	C0DBEYY00197	IC	1	(E.S.D)
	IC2205	C0DBAYY01282	IC	1	(E.S.D)
	IC4000	MN63Y1009-E1	IC	1	(E.S.D)

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	IC5201	C0BBCZ000008	IC	1	(E.S.D)
	IC5701	C0DAAYY00064	IC	1	(E.S.D)
	IC5801	C0DAAYY00072	IC	1	(E.S.D)
	IC5822	C0EBY0000882	IC	1	(E.S.D)
			TRANSISTORS		
	Q1103	B1GBCFJJ0048	TRANSISTOR	1	(E.S.D)
	Q1200	B1CFGD000002	TRANSISTOR	1	(E.S.D)
	Q2201	B1ADDF000012	TRANSISTOR	1	(E.S.D)
	Q2203	B1ABCF000011	TRANSISTOR	1	(E.S.D)
	Q2204	B1ADCE000012	TRANSISTOR	1	(E.S.D)
	Q2900	B1ADCE000012	TRANSISTOR	1	(E.S.D)
	Q3800	B1CFGD000002	TRANSISTOR	1	(E.S.D)
	Q3801	B1CFGD000002	TRANSISTOR	1	(E.S.D)
	Q3802	B1ADGF000010	TRANSISTOR	1	(E.S.D)
	Q5301	B1ABDF000033	TRANSISTOR	1	(E.S.D)
	Q5302	B1ABDF000033	TRANSISTOR	1	(E.S.D)
	Q5303	B1CZRC000001	TRANSISTOR	1	(E.S.D)
	Q5304	B1CZRC000001	TRANSISTOR	1	(E.S.D)
	Q5401	B1ABDF000033	TRANSISTOR	1	(E.S.D)
	Q5402	B1ABDF000033	TRANSISTOR	1	(E.S.D)
	Q5403	B1CZRC000001	TRANSISTOR	1	(E.S.D)
	Q5404	B1CZRC000001	TRANSISTOR	1	(E.S.D)
	Q5501	B1ABDF000033	TRANSISTOR	1	(E.S.D)
	Q5502	B1ABDF000033	TRANSISTOR	1	(E.S.D)
	Q5503	B1CZRC000001	TRANSISTOR	1	(E.S.D)
	Q5504	B1CZRC000001	TRANSISTOR	1	(E.S.D)
	Q5720	B1BABG000007	TRANSISTOR	1	(E.S.D)
	Q5760	B1ADCF000001	TRANSISTOR	1	(E.S.D)
	Q5761	B1ABCF000011	TRANSISTOR	1	(E.S.D)
	Q5802	B1ABCF000011	TRANSISTOR	1	(E.S.D)
	Q5803	B1ADBL000010	TRANSISTOR	1	(E.S.D)
	Q5804	B1ABCF000011	TRANSISTOR	1	(E.S.D)
	Q5805	B1ABCF000011	TRANSISTOR	1	(E.S.D)

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	Q5863	B1ABCF000176	TRANSISTOR	1	(E.S.D)
	Q5864	B1ABCF000176	TRANSISTOR	1	(E.S.D)
	Q5865	B1ADCF000001	TRANSISTOR	1	(E.S.D)
	Q5866	B1ABCF000176	TRANSISTOR	1	(E.S.D)
	QR2201	B1GBCFJJ0048	TRANSISTOR	1	(E.S.D)
	QR2203	B1GBCFJJ0048	TRANSISTOR	1	(E.S.D)
	QR2303	B1GBCFGG0030	TRANSISTOR	1	(E.S.D)
	QR2304	B1GBCFGG0030	TRANSISTOR	1	(E.S.D)
	QR2305	B1GBCFJJ0048	TRANSISTOR	1	(E.S.D)
	QR3703	B1GBCFJJ0048	TRANSISTOR	1	(E.S.D)
	QR5201	B1GBCFJJ0041	TRANSISTOR	1	(E.S.D)
	QR5762	B1GBCFJJ0048	TRANSISTOR	1	(E.S.D)
	QR5823	B1GDCFJJ0008	TRANSISTOR	1	(E.S.D)
	QR5824	B1GBCFJJ0048	TRANSISTOR	1	(E.S.D)
	QR5867	B1GBCFJJ0051	TRANSISTOR	1	(E.S.D)
			DIODES		
	D1100	B0ECKM000008	DIODE	1	(E.S.D)
	D1101	B0ECKM000008	DIODE	1	(E.S.D)
	D1102	DZ2J062M0L	DIODE	1	(E.S.D)
	D1103	DZ2J039M0L	DIODE	1	(E.S.D)
	D1106	DA2J10100L	DIODE	1	(E.S.D)
	D2001	B0JCGD000016	DIODE	1	(E.S.D)
	D2201	B0JCPG000032	DIODE	1	(E.S.D)
	D2202	B0JCPG000032	DIODE	1	(E.S.D)
	D2205	B0ECKM000008	DIODE	1	(E.S.D)
	D2206	B0ECKM000008	DIODE	1	(E.S.D)
	D2207	B0JCPG000032	DIODE	1	(E.S.D)
	D2208	B0JCPG000032	DIODE	1	(E.S.D)
	D2209	DA2J10100L	DIODE	1	(E.S.D)
	D2210	DA2J10100L	DIODE	1	(E.S.D)
	D2211	DA2J10100L	DIODE	1	(E.S.D)
	D2212	DA2J10100L	DIODE	1	(E.S.D)
	D2302	DA2J10100L	DIODE	1	(E.S.D)
	D2303	DZ2J068M0L	DIODE	1	(E.S.D)
	D2304	DA2J10100L	DIODE	1	(E.S.D)
	D2307	DZ2J047M0L	DIODE	1	(E.S.D)
	D2308	DA2J10100L	DIODE	1	(E.S.D)
	D2309	DZ2J043M0L	DIODE	1	(E.S.D)
	D2312	DA2J10100L	DIODE	1	(E.S.D)
	D2313	DA2J10100L	DIODE	1	(E.S.D)
	D2314	DZ2J150M0L	DIODE	1	(E.S.D)
	D2315	DZ2J330M0L	DIODE	1	(E.S.D)
	D2316	DA2J10100L	DIODE	1	(E.S.D)
	D5201	B0JCMD000010	DIODE	1	(E.S.D)
	D5202	B0JCMD000010	DIODE	1	(E.S.D)
	D5203	DZ2J068M0L	DIODE	1	(E.S.D)
	D5204	DA2J10100L	DIODE	1	(E.S.D)
	D5301	DA2J10100L	DIODE	1	(E.S.D)
	D5401	DA2J10100L	DIODE	1	(E.S.D)
	D5501	DA2J10100L	DIODE	1	(E.S.D)
	D5701	B0EBNR000051	DIODE	1	(E.S.D)
	D5702	B0EAKT000063	DIODE	1	(E.S.D)
	D5704	DZ2J051M0L	DIODE	1	(E.S.D)
	D5705	DZ2J200M0L	DIODE	1	(E.S.D)
	D5706	DA2J10100L	DIODE	1	(E.S.D)
	D5707	DA2J10100L	DIODE	1	(E.S.D)
	D5710	DA2J10100L	DIODE	1	(E.S.D)
	D5712	B0EAMM000057	DIODE	1	(E.S.D)
	D5713	DZ2J330M0L	DIODE	1	(E.S.D)
	D5760	DA2J10100L	DIODE	1	(E.S.D)
	D5802	B0ABSM000008	DIODE	1	(E.S.D)
	D5803	B0EAMM000057	DIODE	1	(E.S.D)
	D5803	DA2J10100L	DIODE	1	(E.S.D)
	D5804	B0EAMM000057	DIODE	1	(E.S.D)
	D5804	DA2J10100L	DIODE	1	(E.S.D)
	D5823	DZ2J043M0L	DIODE	1	(E.S.D)
⚠	DZ5701	ERZV10V511CS	ZNR	1	(E.S.D)
			VARISTORS		
	VA2000	EZJZ1V171AA	VARISTOR	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	VA2001	EZJZ1V171AA	VARISTOR	1	
	C2000	EZJZ1V171AA	VARISTOR	1	
			SWITCHES		
	S3100	EVQ11G04M	SW INPUT	1	
	S3101	EVQ11G04M	SW VOL+	1	
	S3102	EVQ11G04M	SW STANBY/ON	1	
	S3103	EVQ11G04M	SW VOL-	1	
			CONNECTORS		
	CN1000	K1MN30AA0082	30P CONNECTOR	1	
	CN2000	K1MN30AA0082	30P CONNECTOR	1	
	CN2002	K1KA05AA0051	5P CONNECTOR	1	
	CN2003	K1KA07AA0051	7P CONNECTOR	1	
	CN2004	K1KA10AA0194	10P CONNECTOR	1	
	CN2006	K1MN08BA0147	8P CONNECTOR	1	
	CN2008	K1MN16AA0046	16P CONNECTOR	1	
	CN3000	K1MN16B00021	16P CONNECTOR	1	
	CN5100	K1KA04AA0223	4P CONNECTOR	1	
	CN5101	K1KA04AA0193	4P CONNECTOR	1	
	JK2000	K1FY104B0078	USB PORT	1	
	P4000	K1KA07BA0014	7P CONNECTOR	1	
			COILS AND INDUCTORS		
	L1100	G1C100MA0203	INDUCTOR	1	
	L1200	J0ZZB0000148	FILTER	1	
	L1201	J0ZZB0000148	FILTER	1	
	L1350	J0ZZB0000148	FILTER	1	
	L1351	J0ZZB0000148	FILTER	1	
	L2001	G1C150M00023	INDUCTOR	1	
	L2201	G1C330MA0291	INDUCTOR	1	
	L2202	G1C330MA0291	INDUCTOR	1	
	L2203	G1C330MA0291	INDUCTOR	1	
	L5301	G0A100H00018	CHOKE COIL	1	
	L5302	G0A100H00018	CHOKE COIL	1	
	L5401	G0A100H00018	CHOKE COIL	1	
	L5402	G0A100H00018	CHOKE COIL	1	
	L5501	G0A100H00018	CHOKE COIL	1	
	L5502	G0A100H00018	CHOKE COIL	1	
	L5503	G0B9R5K00007	LINE FILTER	1	
	L5504	G0B9R5K00007	LINE FILTER	1	
	L5505	G0B9R5K00007	LINE FILTER	1	
⚠	L5702	G0B922G00004	LINE FILTER	1	
⚠	L5703	G0B922G00004	LINE FILTER	1	
	LB1009	J0JHC0000078	INDUCTOR	1	
	LB1017	J0JHC0000078	INDUCTOR	1	
	LB1026	J0JHC0000078	INDUCTOR	1	
	LB1027	J0JHC0000078	INDUCTOR	1	
	LB1100	J0JHC0000078	INDUCTOR	1	
	LB1101	J0JHC0000078	INDUCTOR	1	
	LB1103	J0JHC0000034	INDUCTOR	1	
	LB1104	J0JHC0000034	INDUCTOR	1	
	LB1200	J0JCC0000042	INDUCTOR	1	
	LB1201	J0JCC0000042	INDUCTOR	1	
	LB1202	J0JCC0000042	INDUCTOR	1	
	LB1203	J0JCC0000042	INDUCTOR	1	
	LB1204	J0JCC0000042	INDUCTOR	1	
	LB1350	J0JCC0000042	INDUCTOR	1	
	LB1351	J0JCC0000042	INDUCTOR	1	
	LB1352	J0JCC0000042	INDUCTOR	1	
	LB1353	J0JCC0000042	INDUCTOR	1	
	LB1600	J0JBC0000014	INDUCTOR	1	
	LB2000	J0JHC0000078	INDUCTOR	1	
	LB2001	J0JHC0000078	INDUCTOR	1	
	LB2002	J0JHC0000034	INDUCTOR	1	
	LB2003	J0JHC0000034	INDUCTOR	1	
	LB2004	J0JHC0000034	INDUCTOR	1	
	LB2005	J0JHC0000034	INDUCTOR	1	
	LB2007	J0JHC0000078	INDUCTOR	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	LB2008	J0JHC0000078	INDUCTOR	1	
	LB2009	J0JHC0000078	INDUCTOR	1	
	LB2203	J0JHC0000034	INDUCTOR	1	
	LB2204	J0JBC0000028	INDUCTOR	1	
	LB2205	J0JBC0000012	INDUCTOR	1	
	LB2206	J0JBC0000012	INDUCTOR	1	
	LB2304	J0JBC0000012	INDUCTOR	1	
	LB2407	J0JBC0000010	INDUCTOR	1	
	LB2408	J0JBC0000028	INDUCTOR	1	
	LB2409	J0JBC0000028	INDUCTOR	1	
	LB2410	J0JBC0000028	INDUCTOR	1	
	LB2411	J0JBC0000028	INDUCTOR	1	
	LB3302	J0JHC0000107	INDUCTOR	1	
	LB3303	J0JHC0000107	INDUCTOR	1	
	LB3305	J0JHC0000107	INDUCTOR	1	
	R1008	J0JCC0000287	INDUCTOR	1	
	R2000	J0JBC0000012	INDUCTOR	1	
	R2001	J0JBC0000012	INDUCTOR	1	
	R2098	J0JBC0000012	INDUCTOR	1	
	R2099	J0JBC0000012	INDUCTOR	1	
	R2100	J0JBC0000012	INDUCTOR	1	
	R2101	J0JBC0000012	INDUCTOR	1	
	R2905	J0JBC0000030	INDUCTOR	1	
	R2906	J0JBC0000030	INDUCTOR	1	
	R2907	J0JBC0000030	INDUCTOR	1	
	R2908	J0JBC0000030	INDUCTOR	1	
	R2910	J0JHC0000107	INDUCTOR	1	
	R2911	J0JBC0000028	INDUCTOR	1	
			TRANSFORMER		
⚠	T5701	G4DYA0000486	TRANSFORMER	1	
			REMOTE SENSOR		
	Z3000	B3RAD0000209	REMOTE SENSOR	1	
			PHOTO COUPLERS		
⚠	PC5720	B3PBA0000579	PHOTO COUPLER	1	
⚠	PC5760	B3PBA0000579	PHOTO COUPLER	1	
			TERMINALS		
	ZJ5701	K4CZ01000027	TERMINAL	1	
	ZJ5703	K4CZ01000027	TERMINAL	1	
			OSCILLATORS		
	X1000	H0J286500042	OSCILLATOR	1	
	X2000	H0J122500049	OSCILLATOR	1	
			CABLE HOLDER		
	JW1	K1YZ10000001	10P CABLE HOLDER	1	
			FUSE		
⚠	F1	K5G312Y00007	FUSE	1	
			FL DISPLAY		
	FL3400	A2BC00000080	LCD DISPLAY	1	
			THERMISTORS		
	TH5702	D4CAA5R10001	THERMISTOR	1	
	TH5821	D4CC11040005	THERMISTOR	1	
	TH5822	D4CC11040005	THERMISTOR	1	
	TH5860	D4CC11040013	THERMISTOR	1	
			JACKS		

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	JK1600	B3RAB0000056	JK DIGITAL AUDIO IN	1	
	JK2901	K2HA2YYA0006	JK AUX IN	1	
⚠	P5701	K2AA2B000011	AC INLET	1	
	TU1200	K1FY119E0073	JK HDMI OUT (ARC)	1	
	TU1350	K1FY119E0073	JK HDMI IN	1	
			CHIP JUMPERS		
	D5812	D0GDR00JA017	0 1/8W	1	
	K5100	D0GBR00J0004	0 1/10W	1	
	K5723	D0GBR00JA008	0 1/10W	1	
	K5803	D0GBR00JA008	0 1/10W	1	
	K5804	D0GBR00JA008	0 1/10W	1	
	LB2201	D0GBR00J0004	0 1/10W	1	
	LB2202	D0GBR00J0004	0 1/10W	1	
	LB3300	D0GBR00J0004	0 1/10W	1	
	LB3306	D0GBR00J0004	0 1/10W	1	
	W1	D0GFR00JA017	0 1/4W	1	
	W2	D0GFR00JA017	0 1/4W	1	
	W3	D0GFR00JA017	0 1/4W	1	
	W4	D0GDR00JA017	0 1/8W	1	
	W4	D0GFR00JA017	0 1/4W	1	
	W5	D0GFR00JA017	0 1/4W	1	
	W6	D0GFR00JA017	0 1/4W	1	
	W7	D0GFR00JA017	0 1/4W	1	
	W8	D0GFR00JA017	0 1/4W	1	
	W9	D0GFR00JA017	0 1/4W	1	
	W10	D0GFR00JA017	0 1/4W	1	
	W12	D0GDR00JA017	0 1/8W	1	
			RESISTORS		
	R1000	D0GA103JA023	10K 1/16W	1	
	R1001	D1BA8870A022	887 1/16W	1	
	R1002	D0GA473JA023	47K 1/16W	1	
	R1003	D0GA473JA023	47K 1/16W	1	
	R1004	D0GA472JA023	4.7K 1/16W	1	
	R1005	D0GA472JA023	4.7K 1/16W	1	
	R1006	D0GA330JA023	33 1/16W	1	
	R1007	D0GA330JA023	33 1/16W	1	
	R1009	D0GA473JA023	47K 1/16W	1	
	R1010	D0GAR00J0005	0 1/16W	1	
	R1012	D0GA394JA023	390K 1/16W	1	
	R1013	D0GA102JA023	1K 1/16W	1	
	R1014	D0GA102JA023	1K 1/16W	1	
	R1015	D0GA103JA023	10K 1/16W	1	
	R1016	D0GA103JA023	10K 1/16W	1	
	R1020	D0GA472JA023	4.7K 1/16W	1	
	R1021	D0GA472JA023	4.7K 1/16W	1	
	R1022	D0GA472JA023	4.7K 1/16W	1	
	R1100	D1BA1502A022	15K 1/16W	1	
	R1101	D1BA4701A022	4.7K 1/16W	1	
	R1102	D0GA104JA023	100K 1/16W	1	
	R1103	D1BA1502A022	15K 1/16W	1	
	R1104	D1BA1202A022	12K 1/16W	1	
	R1105	D0GA103JA023	10K 1/16W	1	
	R1106	D0GA103JA023	10K 1/16W	1	
	R1107	D0GA103JA023	10K 1/16W	1	
	R1109	D0GA473JA023	47K 1/16W	1	
	R1110	D0GA104JA023	100K 1/16W	1	
	R1111	D0GA102JA023	1K 1/16W	1	
	R1112	D0GA102JA023	1K 1/16W	1	
	R1200	D0GA510JA023	51 1/16W	1	
	R1201	D0GA510JA023	51 1/16W	1	
	R1202	D0GA5R1JA023	5.1 1/16W	1	
	R1203	D0GA182JA023	1.8K 1/16W	1	
	R1204	D0GA182JA023	1.8K 1/16W	1	
	R1205	D0GA473JA023	47K 1/16W	1	
	R1206	D0GA103JA023	10K 1/16W	1	
	R1207	D0GA101JA023	100 1/16W	1	
	R1208	D0GA273JA023	27K 1/16W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	R1209	D0GA221JA023	220 1/16W	1	
	R1210	D0GA472JA023	4.7K 1/16W	1	
	R1350	D0GA510JA023	51 1/16W	1	
	R1351	D0GA473JA023	47K 1/16W	1	
	R1352	D0GA104JA023	100K 1/16W	1	
	R1353	D0GA102JA023	1K 1/16W	1	
	R1601	D0GBR00J0004	0 1/10W	1	
	R2002	D0GBR00J0004	0 1/10W	1	
	R2009	D1BA1000A022	100 1/16W	1	
	R2010	D1BA1202A022	12K 1/16W	1	
	R2011	D1BA1502A022	15K 1/16W	1	
	R2013	D0GA330JA023	33 1/16W	1	
	R2015	D0GA102JA023	1K 1/16W	1	
	R2016	D0GA330JA023	33 1/16W	1	
	R2017	D0GB473JA065	47K 1/10W	1	
	R2018	D0GB473JA065	47K 1/10W	1	
	R2019	D0GA473JA023	47K 1/16W	1	
	R2020	D0GB392JA065	3.9K 1/10W	1	
	R2021	D0GB392JA065	3.9K 1/10W	1	
	R2022	D0GA273JA023	27K 1/16W	1	
	R2023	D0GA103JA023	10K 1/16W	1	
	R2024	D0GA103JA023	10K 1/16W	1	
	R2025	D0GBR00J0004	0 1/10W	1	
	R2026	D0GA102JA023	1K 1/16W	1	
	R2027	D0GAR00J0005	0 1/16W	1	
	R2028	D0GAR00J0005	0 1/16W	1	
	R2029	D0GA330JA023	33 1/16W	1	
	R2030	D0GA330JA023	33 1/16W	1	
	R2040	D0GB102JA065	1K 1/10W	1	
	R2041	D0GA102JA023	1K 1/16W	1	
	R2042	D0GB104JA065	100K 1/10W	1	
	R2043	D0GB473JA065	47K 1/10W	1	
	R2050	D0GA330JA023	33 1/16W	1	
	R2051	D0GA330JA023	33 1/16W	1	
	R2052	D0GA472JA023	4.7K 1/16W	1	
	R2053	D0GA472JA023	4.7K 1/16W	1	
	R2055	D0GB472JA065	4.7K 1/10W	1	
	R2056	D0GB472JA065	4.7K 1/10W	1	
	R2057	D0GB472JA065	4.7K 1/10W	1	
	R2063	D0GB473JA065	47K 1/10W	1	
	R2070	D0GB103JA065	10K 1/10W	1	
	R2074	D0GB103JA065	10K 1/10W	1	
	R2075	D0GBR00J0004	0 1/10W	1	
	R2085	D0GA330JA023	33 1/16W	1	
	R2086	D0GA330JA023	33 1/16W	1	
	R2087	D0GA330JA023	33 1/16W	1	
	R2088	D0GA330JA023	33 1/16W	1	
	R2089	D0GB473JA065	47K 1/10W	1	
	R2090	D0GB223JA065	22K 1/10W	1	
	R2104	D0GA330JA023	33 1/16W	1	
	R2200	D0GB103JA065	10K 1/10W	1	
	R2201	D1BB3002A074	30K 1/10W	1	
	R2202	D1BB1503A074	150K 1/10W	1	
	R2203	D0GB103JA065	10K 1/10W	1	
	R2204	D1BB1802A074	18K 1/10W	1	
	R2205	D1BB8202A074	82K 1/10W	1	
	R2206	D1BB1003A074	100K 1/10W	1	
	R2207	D1BB4702A074	47K 1/10W	1	
	R2209	D1BA1502A022	15K 1/16W	1	
	R2210	D1BA4701A022	4.7K 1/16W	1	
	R2218	D1BB1002A074	10K 1/10W	1	
	R2219	D1BB8202A074	82K 1/10W	1	
	R2220	D1BB1002A074	10K 1/10W	1	
	R2221	D0GB102JA065	1K 1/10W	1	
	R2223	D0GB103JA065	10K 1/10W	1	
	R2224	D0GBR00J0004	0 1/10W	1	
	R2228	D0GB473JA065	47K 1/10W	1	
	R2230	D0GB102JA065	1K 1/10W	1	
	R2231	D0GB102JA065	1K 1/10W	1	
	R2233	D0GB103JA065	10K 1/10W	1	
	R2234	D0GB102JA065	1K 1/10W	1	
	R2235	D0GBR00J0004	0 1/10W	1	
	R2238	D0GBR00J0004	0 1/10W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	R2240	D0GB220JA065	22 1/10W	1	
	R2241	D0GB102JA065	1K 1/10W	1	
	R2242	D0GB473JA065	47K 1/10W	1	
	R2302	D0GB103JA065	10K 1/10W	1	
	R2303	D0GB102JA065	1K 1/10W	1	
	R2305	D0GB102JA065	1K 1/10W	1	
	R2900	D0GB101JA065	100 1/10W	1	
	R2901	D0GB103JA065	10K 1/10W	1	
	R2902	D0GB103JA065	10K 1/10W	1	
	R2903	D0GB103JA065	10K 1/10W	1	
	R2904	D0GB103JA065	10K 1/10W	1	
	R2909	D0GB473JA065	47K 1/10W	1	
	R2912	D0GBR00J0004	0 1/10W	1	
	R2913	D0GAR00J0005	0 1/16W	1	
	R3001	D0GB470JA065	47 1/10W	1	
	R3100	D0GB822JA065	8.2K 1/10W	1	
	R3102	D0GB822JA065	8.2K 1/10W	1	
	R3300	D0GF270JA048	27 1/4W	1	
	R3301	D0GF270JA048	27 1/4W	1	
	R3302	D0GB330JA065	33 1/10W	1	
	R3303	D0GB330JA065	33 1/10W	1	
	R3304	D0GB330JA065	33 1/10W	1	
	R3306	D0GBR00J0004	0 1/10W	1	
	R3307	D0GB333JA065	33K 1/10W	1	
	R3308	D0GB1R0JA065	1 1/10W	1	
	R3311	D0GB470JA065	47 1/10W	1	
	R3312	D0GB103JA065	10K 1/10W	1	
	R3802	D0GB472JA065	4.7K 1/10W	1	
	R3805	D0GB473JA065	47K 1/10W	1	
	R3807	D0GB473JA065	47K 1/10W	1	
	R3809	D0GB103JA065	10K 1/10W	1	
	R3810	D0GB561JA065	560 1/10W	1	
	R3811	D0GB472JA065	4.7K 1/10W	1	
	R3812	D0GBR00J0004	0 1/10W	1	
	R4000	D0GAR00J0005	0 1/16W	1	
	R4002	D0GA104JA023	100K 1/16W	1	
	R4003	D0GAR00J0005	0 1/16W	1	
	R4005	D0GA104JA023	100K 1/16W	1	
	R4007	D0GBR00J0004	0 1/10W	1	
	R4008	D0GBR00J0004	0 1/10W	1	
	R4009	D0GBR00J0004	0 1/10W	1	
	R4010	D0GBR00J0004	0 1/10W	1	
	R5201	D0GB472JA065	4.7K 1/10W	1	
	R5202	D0GB472JA065	4.7K 1/10W	1	
	R5203	D1BA1001A022	1K 1/16W	1	
	R5204	D1BA2202A022	22K 1/16W	1	
	R5205	D0GB682JA065	6.8K 1/10W	1	
	R5206	D0GB472JA065	4.7K 1/10W	1	
	R5207	D0GB220JA065	22 1/10W	1	
	R5208	D0GB100JA065	10 1/10W	1	
	R5209	D0GB104JA065	100K 1/10W	1	
	R5210	D0GB183JA065	18K 1/10W	1	
	R5212	D0GBR00J0004	0 1/10W	1	
	R5301	D0GA472JA023	4.7K 1/16W	1	
	R5302	D0GA562JA023	5.6K 1/16W	1	
	R5303	D0GB220JA065	22 1/10W	1	
	R5305	D0GA472JA023	4.7K 1/16W	1	
	R5306	D0GA562JA023	5.6K 1/16W	1	
	R5307	D0GB4R7JA065	4.7 1/10W	1	
	R5309	D0GB100JA065	10 1/10W	1	
	R5310	D0GB4R7JA065	4.7 1/10W	1	
	R5311	D0GB100JA065	10 1/10W	1	
	R5313	D0GB104JA065	100K 1/10W	1	
	R5314	D0GB104JA065	100K 1/10W	1	
	R5326	D0GB562JA065	5.6K 1/10W	1	
	R5331	D0GFR10ZA043	0.1 1/4W	1	
	R5332	D0GFR10ZA043	0.1 1/4W	1	
	R5401	D0GA472JA023	4.7K 1/16W	1	
	R5402	D0GA562JA023	5.6K 1/16W	1	
	R5403	D0GB220JA065	22 1/10W	1	
	R5405	D0GA472JA023	4.7K 1/16W	1	
	R5406	D0GA562JA023	5.6K 1/16W	1	
	R5407	D0GB4R7JA065	4.7 1/10W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	R5409	D0GB100JA065	10 1/10W	1	
	R5410	D0GB4R7JA065	4.7 1/10W	1	
	R5411	D0GB100JA065	10 1/10W	1	
	R5413	D0GB104JA065	100K 1/10W	1	
	R5414	D0GB104JA065	100K 1/10W	1	
	R5426	D0GB562JA065	5.6K 1/10W	1	
	R5431	D0GFR10ZA043	0.1 1/4W	1	
	R5432	D0GFR10ZA043	0.1 1/4W	1	
	R5501	D0GA472JA023	4.7K 1/16W	1	
	R5502	D0GA562JA023	5.6K 1/16W	1	
	R5503	D0GB220JA065	22 1/10W	1	
	R5505	D0GA472JA023	4.7K 1/16W	1	
	R5506	D0GA562JA023	5.6K 1/16W	1	
	R5508	D0GB100JA065	10 1/10W	1	
	R5509	D0GB100JA065	10 1/10W	1	
	R5511	D0GB4R7JA065	4.7 1/10W	1	
	R5512	D0GB4R7JA065	4.7 1/10W	1	
	R5513	D0GB104JA065	100K 1/10W	1	
	R5514	D0GB104JA065	100K 1/10W	1	
	R5526	D0GB562JA065	5.6K 1/10W	1	
	R5531	D0GFR10ZA043	0.1 1/4W	1	
	R5532	D0GFR10ZA043	0.1 1/4W	1	
	R5533	D0GFR10ZA043	0.1 1/4W	1	
	R5534	D0GFR10ZA043	0.1 1/4W	1	
⚠	R5700	ERJ8GEYJ105V	1M 1/4W	1	
⚠	R5701	ERJ8GEYJ105V	1M 1/4W	1	
	R5702	ERJ1TYJ104U	100K 1W	1	
	R5703	ERJ1TYJ104U	100K 1W	1	
⚠	R5710	ERJ8GEYJ105V	1M 1/4W	1	
	R5720	ERJ6GEYJ3R3V	3.3 1/8W	1	
	R5721	D0GD222JA017	2.2K 1/8W	1	
	R5722	D0GB562JA008	5.6K 1/10W	1	
	R5727	ERX2SJR39P	0.39 2W	1	
	R5731	D0GBR00JA008	0 1/10W	1	
	R5732	D0GB471JA008	470 1/10W	1	
	R5733	D0GB273JA008	27K 1/10W	1	
	R5762	D0GB103JA008	10K 1/10W	1	
	R5763	D0GB103JA008	10K 1/10W	1	
	R5764	D0GB472JA008	4.7K 1/10W	1	
	R5766	D0GB333JA008	33K 1/10W	1	
	R5767	D0GB223JA008	22K 1/10W	1	
	R5768	D0GB273JA008	27K 1/10W	1	
	R5801	D0GB472JA065	4.7K 1/10W	1	
	R5801	D0GDR00JA017	0 1/8W	1	
	R5802	D0GB224JA065	220K 1/10W	1	
	R5802	ERJ3RBD562V	5.6K 1/16W	1	
	R5803	D0GB224JA065	220K 1/10W	1	
	R5804	D0GB473JA065	47K 1/10W	1	
	R5804	ERJ3RBD683V	68K 1/16W	1	
	R5805	D0GB563JA065	56K 1/10W	1	
	R5805	ERJ3RBD103V	10K 1/16W	1	
	R5806	D0GB103JA008	10K 1/10W	1	
	R5806	D0GB333JA065	33K 1/10W	1	
	R5807	D0GBR00JA008	0 1/10W	1	
	R5808	D0GB472JA008	4.7K 1/10W	1	
	R5809	D0GD152JA017	1.5K 1/8W	1	
	R5810	D0GB221JA007	220 1/10W	1	
	R5811	D0GB104JA065	100K 1/10W	1	
	R5814	D0GB102JA008	1K 1/10W	1	
	R5817	D0GB473JA065	47K 1/10W	1	
	R5817	ERJ3RBD122V	1.2K 1/16W	1	
	R5818	D0GB393JA065	39K 1/10W	1	
	R5819	D0GB151JA008	150 1/10W	1	
	R5823	D0GF121JA048	120 1/4W	1	
	R5823	D1BA1202A022	12K 1/16W	1	
	R5824	D0GF121JA048	120 1/4W	1	
	R5826	D1BA1202A022	12K 1/16W	1	
	R5827	D0GFR00JA017	0 1/4W	1	
	R5828	D0GFR00JA017	0 1/4W	1	
	R5833	D0GB101JA008	100 1/10W	1	
	R5855	ERJ3RBD103V	10K 1/16W	1	
	R5856	ERJ3RBD103V	10K 1/16W	1	
	R5857	D0GD103JA017	10K 1/8W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	R5858	D0HB822ZA002	8.2K 1/16W	1	
	R5859	D0GD103JA017	10K 1/8W	1	
	R5861	D0GB104JA008	100K 1/10W	1	
	R5865	D0GD223JA017	22K 1/8W	1	
	R5867	D0GB102JA008	1K 1/10W	1	
	R5868	D0GB103JA008	10K 1/10W	1	
	R5869	D0GB223JA008	22K 1/10W	1	
	R5871	D0GDR00JA017	0 1/8W	1	
	C1111	D0GBR00J0004	0 1/10W	1	
			RESISTOR NET-WORKS		
	RX1000	D1H81034A042	RESISTOR NETWORK	1	
	RX1001	D1H81034A042	RESISTOR NETWORK	1	
	RX1002	D1H83304A042	RESISTOR NETWORK	1	
	RX2000	D1H83304A042	RESISTOR NETWORK	1	
	RX2002	D1H83304A042	RESISTOR NETWORK	1	
	RX2003	D1H83304A042	RESISTOR NETWORK	1	
	RX2004	D1H83304A042	RESISTOR NETWORK	1	
	RX2005	D1H83304A042	RESISTOR NETWORK	1	
	RX2008	D1H83304A042	RESISTOR NETWORK	1	
	RX2010	D1H83304A042	RESISTOR NETWORK	1	
			CAPACITORS		
	C1000	F1G1A1040006	0.1uF 10V	1	
	C1001	F1G0J1050007	1uF 6.3V	1	
	C1002	F1G1A1040006	0.1uF 10V	1	
	C1003	F1G0J1050007	1uF 6.3V	1	
	C1004	F1G1A1040006	0.1uF 10V	1	
	C1005	F1G0J1050007	1uF 6.3V	1	
	C1006	F1G1A1040006	0.1uF 10V	1	
	C1007	F1G0J1050007	1uF 6.3V	1	
	C1008	F1G1A1040006	0.1uF 10V	1	
	C1009	F1G0J1050007	1uF 6.3V	1	
	C1010	F1G1A1040006	0.1uF 10V	1	
	C1012	F1G1A1040006	0.1uF 10V	1	
	C1014	F1G1A1040006	0.1uF 10V	1	
	C1015	F1G0J1050007	1uF 6.3V	1	
	C1016	F1G1A1040006	0.1uF 10V	1	
	C1017	F1G0J1050007	1uF 6.3V	1	
	C1018	F1G1C1030008	0.01uF 16V	1	
	C1019	F1G1A1040006	0.1uF 10V	1	
	C1020	F1G0J1050007	1uF 6.3V	1	
	C1021	F1G1A1040006	0.1uF 10V	1	
	C1022	F1G0J1050007	1uF 6.3V	1	
	C1023	F1G1A1040006	0.1uF 10V	1	
	C1024	F1G0J1050007	1uF 6.3V	1	
	C1025	F1G1A1040006	0.1uF 10V	1	
	C1026	F1G0J1050007	1uF 6.3V	1	
	C1027	F1G1A1040006	0.1uF 10V	1	
	C1028	F1G0J1050007	1uF 6.3V	1	
	C1029	F1G1A1040006	0.1uF 10V	1	
	C1030	F1G0J1050007	1uF 6.3V	1	
	C1031	F1G1A1040006	0.1uF 10V	1	
	C1032	F1G0J1050007	1uF 6.3V	1	
	C1033	F1G1A1040006	0.1uF 10V	1	
	C1035	F1G1A1040006	0.1uF 10V	1	
	C1036	F1G0J1050007	1uF 6.3V	1	
	C1037	F1G1H270A834	27pF 50V	1	
	C1038	F1G1H270A834	27pF 50V	1	
	C1039	F1G1A1040006	0.1uF 10V	1	
	C1041	F1G1A1040006	0.1uF 10V	1	
	C1042	F1G0J1050007	1uF 6.3V	1	
	C1043	F1G1A1040006	0.1uF 10V	1	
	C1045	F1G1A1040006	0.1uF 10V	1	
	C1047	F1G1A1040006	0.1uF 10V	1	
	C1048	F1G0J1050007	1uF 6.3V	1	
	C1049	F1G1A1040006	0.1uF 10V	1	
	C1050	F1G0J1050007	1uF 6.3V	1	
	C1051	F1G1A1040006	0.1uF 10V	1	
	C1052	F1G0J1050007	1uF 6.3V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	C1053	F1G1A1040006	0.1uF 10V	1	
	C1054	F1G0J1050007	1uF 6.3V	1	
	C1056	F1G1H470A834	47pF 50V	1	
	C1100	F1G1A1040006	0.1uF 10V	1	
	C1101	F1J1A106A043	10uF 10V	1	
	C1102	F1G0J1050007	1uF 6.3V	1	
	C1103	F1G1A1040006	0.1uF 10V	1	
	C1104	F1J1A106A043	10uF 10V	1	
	C1105	F1G1A1040006	0.1uF 10V	1	
	C1106	F1G0J1050007	1uF 6.3V	1	
	C1107	F1G1A1040006	0.1uF 10V	1	
	C1108	F1J1A106A043	10uF 10V	1	
	C1109	F1G1A1040006	0.1uF 10V	1	
	C1110	F1J1A106A043	10uF 10V	1	
	C1113	F1G1H101A834	100pF 50V	1	
	C1114	F1G1H101A834	100pF 50V	1	
	C1115	F1G1H101A834	100pF 50V	1	
	C1116	F1G1H101A834	100pF 50V	1	
	C1200	F1G0J1050007	1uF 6.3V	1	
	C1201	F1G0J1050007	1uF 6.3V	1	
	C1202	F1G0J1050007	1uF 6.3V	1	
	C1203	F1G1A1040006	0.1uF 10V	1	
	C1204	F1G1C1030008	0.01uF 16V	1	
	C1205	F1G0J1050007	1uF 6.3V	1	
	C1206	F1G1C1030008	0.01uF 16V	1	
	C1207	F1G0J1050007	1uF 6.3V	1	
	C1208	F1H1H102A219	1000pF 50V	1	
	C1209	F1H1H102A219	1000pF 50V	1	
	C1350	F1G0J1050007	1uF 6.3V	1	
	C1351	F1G1A1040006	0.1uF 10V	1	
	C1352	F1H1H102A219	1000pF 50V	1	
	C1353	F1H1H102A219	1000pF 50V	1	
	C1600	F1G1C1030008	0.01uF 16V	1	
	C1601	F1J1A106A043	10uF 10V	1	
	C2001	F1G0J1050007	1uF 6.3V	1	
	C2002	F1H0J1060006	10uF 6.3V	1	
	C2003	F1G1C1030008	0.01uF 16V	1	
	C2004	F1G0J1050007	1uF 6.3V	1	
	C2005	F1J1A106A043	10uF 10V	1	
	C2006	F1H1A105A113	1uF 10V	1	
	C2007	F1J1A106A043	10uF 10V	1	
	C2008	F1H1A105A113	1uF 10V	1	
	C2009	F1J1A106A043	10uF 10V	1	
	C2010	F1H0J1060006	10uF 6.3V	1	
	C2011	F1H0J1060006	10uF 6.3V	1	
	C2012	F1H1A105A113	1uF 10V	1	
	C2013	F1J1A106A043	10uF 10V	1	
	C2014	F1H1A105A113	1uF 10V	1	
	C2015	F1J1A106A043	10uF 10V	1	
	C2016	F1G0J1050007	1uF 6.3V	1	
	C2017	F1J1A106A043	10uF 10V	1	
	C2018	F1H1A105A113	1uF 10V	1	
	C2019	F1J1A106A043	10uF 10V	1	
	C2020	F1G1C1030008	0.01uF 16V	1	
	C2021	F1G1H220A834	22pF 50V	1	
	C2022	F1G1H220A834	22pF 50V	1	
	C2023	F1J1A106A043	10uF 10V	1	
	C2024	F1G0J1050007	1uF 6.3V	1	
	C2025	F1G0J1050007	1uF 6.3V	1	
	C2026	F1J1A106A043	10uF 10V	1	
	C2027	F1G1A1050004	1uF 10V	1	
	C2028	F1J1A106A043	10uF 10V	1	
	C2029	F1G1A1050004	1uF 10V	1	
	C2030	F1L1A476A060	47uF 10V	1	
	C2031	F1H1H331B052	330pF 50V	1	
	C2032	F1H1A105A113	1uF 10V	1	
	C2034	F1G1C1030008	0.01uF 16V	1	
	C2035	F1G1C1030008	0.01uF 16V	1	
	C2036	F1G0J1050007	1uF 6.3V	1	
	C2037	F1H0J1060006	10uF 6.3V	1	
	C2038	F1H1H103B047	0.01uF 50V	1	
	C2039	F1H1H103B047	0.01uF 50V	1	
	C2040	F1G0J1050007	1uF 6.3V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	C2041	F1G1A1040006	0.1uF 10V	1	
	C2042	F1H1C104A041	0.1uF 16V	1	
	C2044	F1G1A1040006	0.1uF 10V	1	
	C2045	F1G1A1040006	0.1uF 10V	1	
	C2046	F1G1A1040006	0.1uF 10V	1	
	C2047	F1H1A105A113	1uF 10V	1	
	C2048	D0GBR00J0004	0 1/10W	1	
	C2049	F1G1C1030008	0.01uF 16V	1	
	C2050	F1H1H103A219	0.01uF 50V	1	
	C2051	F1J0J4750005	4.7uF 6.3V	1	
	C2052	F1H1C104A041	0.1uF 16V	1	
	C2053	F1H1H470B052	47pF 50V	1	
	C2054	F1H1H470B052	47pF 50V	1	
	C2055	F1H1H101B052	100pF 50V	1	
	C2201	F1H1H104B047	0.1uF 50V	1	
	C2202	EEE1HA100SP	10uF 50V	1	
	C2203	F1H1H103A219	0.01uF 50V	1	
	C2204	F1H1H682B047	6800pF 50V	1	
	C2205	F1G1A1040006	0.1uF 10V	1	
	C2206	F1L1A476A060	47uF 10V	1	
	C2207	F1H1H104B047	0.1uF 50V	1	
	C2208	EEE1HA100SP	10uF 50V	1	
	C2209	F1H1H103A219	0.01uF 50V	1	
	C2210	F1H1H682B047	6800pF 50V	1	
	C2211	F1G1A1040006	0.1uF 10V	1	
	C2212	F1L1A476A060	47uF 10V	1	
	C2213	F1H1A105A113	1uF 10V	1	
	C2215	F1L1A476A060	47uF 10V	1	
	C2217	F1H1A225A051	2.2uF 10V	1	
	C2218	F1H1A225A051	2.2uF 10V	1	
	C2220	F1H1A225A051	2.2uF 10V	1	
	C2222	F1H1C104A041	0.1uF 16V	1	
	C2223	F1H1C104A041	0.1uF 16V	1	
	C2227	F1H1H682B047	6800pF 50V	1	
	C2228	F1H1H104B047	0.1uF 50V	1	
	C2230	F1H1H104B047	0.1uF 50V	1	
	C2231	F1H1C104A041	0.1uF 16V	1	
	C2232	F1H1H103A238	0.01uF 50V	1	
	C2233	EEE1HA100SP	10uF 50V	1	
	C2234	EEEFC1C101P	100uF 16V	1	
	C2235	F1H1E105A153	1uF 25V	1	
	C2236	F1H1E105A153	1uF 25V	1	
	C2237	F1J1E105A287	1uF 25V	1	
	C2238	F1J1V1050001	1uF 35V	1	
	C2302	F1H0J1060006	10uF 6.3V	1	
	C2303	F1H1H104B047	0.1uF 50V	1	
	C2305	F1H1H102B047	1000pF 50V	1	
	C2306	F1H1H151A792	150pF 50V	1	
	C2900	EEE0JA101WR	100uF 6.3V	1	
	C2901	F1G1C1030008	0.01uF 16V	1	
	C2902	F1J1A106A043	10uF 10V	1	
	C2903	F1J1A106A043	10uF 10V	1	
	C2904	F1G1H221A459	220pF 50V	1	
	C2905	F1G1H221A459	220pF 50V	1	
	C2906	F1G1C1030008	0.01uF 16V	1	
	C2907	F1G1C1030008	0.01uF 16V	1	
	C2910	F1G1H101A541	100pF 50V	1	
	C2911	F1G1H101A541	100pF 50V	1	
	C2912	F1H1H102B047	1000pF 50V	1	
	C2913	F1H1H102B047	1000pF 50V	1	
	C2915	F1H1H102B047	1000pF 50V	1	
	C2916	F1H1H102B047	1000pF 50V	1	
	C2917	F1H1H102B047	1000pF 50V	1	
	C2918	F1H1H101B052	100pF 50V	1	
	C2919	F1H1H102B047	1000pF 50V	1	
	C2920	F1H1E105A153	1uF 25V	1	
	C3001	F1J1A4750002	4.7uF 10V	1	
	C3100	F1H1H102B047	1000pF 50V	1	
	C3101	F1H1H102B047	1000pF 50V	1	
	C3300	F1J1E105A287	1uF 25V	1	
	C3301	F1J1V1050001	1uF 35V	1	
	C3305	F1H1E105A153	1uF 25V	1	
	C3306	F1J1V1050001	1uF 35V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	C3308	F1H1A1050040	1uF 10V	1	
	C3316	F1H1H103B047	0.01uF 50V	1	
	C3317	F1H1H103B047	0.01uF 50V	1	
	C3700	F1J1A4750002	4.7uF 10V	1	
	C4001	F1G1H390A541	39pF 50V	1	
	C4002	F1G1H330A541	33pF 50V	1	
	C4003	F1G1H561A541	560pF 50V	1	
	C4004	F1G1A1040006	0.1uF 10V	1	
	C4005	F1G1A1040006	0.1uF 10V	1	
	C4006	F1G1A1040006	0.1uF 10V	1	
	C4009	D0GBR00J0004	0 10W	1	
	C5201	F1H1E105A153	1uF 25V	1	
	C5203	F1H1H103B047	0.01uF 50V	1	
	C5204	F1H1H103B047	0.01uF 50V	1	
	C5205	F1H1H103B047	0.01uF 50V	1	
	C5206	F1H1E105A153	1uF 25V	1	
	C5207	F1H1H104A913	0.1uF 50V	1	
	C5208	F2A1H1R0A213	1uF 50V	1	
	C5209	F1H1H103B047	0.01uF 50V	1	
	C5301	F1G1E1040001	0.1uF 25V	1	
	C5302	F1H1H104A913	0.1uF 50V	1	
	C5303	F1H1H104A913	0.1uF 50V	1	
	C5304	F1G1E1040001	0.1uF 25V	1	
	C5305	F1G1E1040001	0.1uF 25V	1	
	C5306	F1J1E225A157	2.2uF 25V	1	
	C5308	F1H1H103B047	0.01uF 50V	1	
	C5309	F1H1H104B047	0.1uF 50V	1	
	C5311	F1H1H471A792	470pF 50V	1	
	C5312	F1H1H103A238	0.01uF 50V	1	
	C5313	F1H1H101A230	100pF 50V	1	
	C5314	F1H1H104B047	0.1uF 50V	1	
	C5315	F1H1H471A792	470pF 50V	1	
	C5316	F2A1E471B424	470uF 25V	1	
	C5327	ECQV1H105JL3	1uF 50V	1	
	C5401	F1G1E1040001	0.1uF 25V	1	
	C5402	F1H1H104A913	0.1uF 50V	1	
	C5403	F1H1H104A913	0.1uF 50V	1	
	C5404	F1G1E1040001	0.1uF 25V	1	
	C5405	F1G1E1040001	0.1uF 25V	1	
	C5406	F1J1E225A157	2.2uF 25V	1	
	C5408	F1H1H103B047	0.01uF 50V	1	
	C5409	F1H1H104B047	0.1uF 50V	1	
	C5411	F1H1H471A792	470pF 50V	1	
	C5412	F1H1H103B047	0.01uF 50V	1	
	C5413	F1H1H101A230	100pF 50V	1	
	C5414	F1H1H104B047	0.1uF 50V	1	
	C5415	F1H1H471A792	470pF 50V	1	
	C5416	F2A1E471B424	470uF 25V	1	
	C5427	ECQV1H105JL3	1uF 50V	1	
	C5501	F1G1E1040001	0.1uF 25V	1	
	C5502	F1H1H104A913	0.1uF 50V	1	
	C5503	F1H1H104A913	0.1uF 50V	1	
	C5504	F1G1E1040001	0.1uF 25V	1	
	C5505	F1G1E1040001	0.1uF 25V	1	
	C5506	F1J1E225A157	2.2uF 25V	1	
	C5507	F1H1H103B047	0.01uF 50V	1	
	C5508	F1H1H471A792	470pF 50V	1	
	C5509	F1H1H104B047	0.1uF 50V	1	
	C5512	F1H1H103A238	0.01uF 50V	1	
	C5513	F1H1H471A792	470pF 50V	1	
	C5514	F1H1H104B047	0.1uF 50V	1	
	C5515	F1H1H101A230	100pF 50V	1	
	C5516	F2A1E471B424	470uF 25V	1	
	C5525	F1H0J106A009	10uF 6.3V	1	
	C5526	F1H0J106A009	10uF 6.3V	1	
	C5527	ECQV1H105JL3	1uF 50V	1	
⚠	C5701	F0CAF104A105	0.1uF	1	
⚠	C5702	F0CAF104A105	0.1uF	1	
⚠	C5703	F0CAF104A105	0.1uF	1	
⚠	C5704	F1BAF471A013	470pF	1	
⚠	C5705	F1BAF471A013	470pF	1	
⚠	C5706	F1BAF1020020	1000pF	1	
	C5712	F2A2G4700024	47uF 400V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	C5713	F0C2J1030007	0.01uF 630V	1	
	C5720	F1H1H101A230	100pF 50V	1	
	C5722	F1H1H102A219	1000pF 50V	1	
	C5724	F1H1H221A792	220pF 50V	1	
	C5726	F2A1H100A214	10uF 50V	1	
	C5727	F2A1H1010115	100uF 50V	1	
	C5730	F1J1E4750002	4.7uF 25V	1	
	C5747	F1B3D221A011	220pF 2000V	1	
	C5760	F1H1H104A913	0.1uF 50V	1	
	C5761	F1H1H104A913	0.1uF 50V	1	
	C5762	F1H1H104A913	0.1uF 50V	1	
	C5800	F1J1H104A902	0.1uF 50V	1	
	C5801	F1H1H104A913	0.1uF 50V	1	
	C5802	F1J1C106A059	10uF 16V	1	
	C5803	F1H1H104A913	0.1uF 50V	1	
	C5804	F1H1E105A153	1uF 25V	1	
	C5805	F1H1H102B047	1000pF 50V	1	
	C5805	F2A1E331B423	330uF 25V	1	
	C5808	F2A1E331B423	330uF 25V	1	
	C5814	F2A1A3320054	3300uF 10V	1	
	C5815	F1J1H2240017	0.22uF 50V	1	
	C5817	F1H1H682A219	6800pF 50V	1	
	C5818	F1H1H104A913	0.1uF 50V	1	
	C5819	F1H1H560A230	56pF 50V	1	
	C5820	F1H1H560A230	56pF 50V	1	
	C5823	F1H1H103B047	0.01uF 50V	1	
	C5828	F2A1A4710079	470uF 10V	1	
	C5862	F1H1H104A913	0.1uF 50V	1	
	C5863	F1H0J106A009	10uF 6.3V	1	
	C5869	F1H1H103A238	0.01uF 50V	1	
	C5870	F1H0J105A051	1uF 6.3V	1	
	R1600	F1G1C1030008	0.01uF 16V	1	

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