PMX1206003CE

Service Manual

CD Stereo System

Model No. SA-AKX34LM-K

Product Color: (K)...Black Type

Please refer to the original service manual for:
- **CD Mechanism Unit (BRS11C), Order No. PSG1201019AE**
- **Speaker system SB-AKX34LM-K, Order No. PMX1206004CE**

⚠ 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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Please refer to the original service manual for:
- **CD Mechanism Unit (BRS11C), Order No. PSG1201019AE**
- **Speaker system SB-AKX34LM-K, Order No. PMX1206004CE**

Nota: El idioma original de este Manual de Servicio es en idioma inglés, sin embargo algunas notas aquí mencionadas serán escritas en español para mejor descripción para Centros de Servicio de México.

TABLE OF CONTENTS

1 Safety Precautions

1.1. General Guidelines

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

1.1.1. Leakage Current Cold Check

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

1.1.2. Leakage Current Hot Check

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

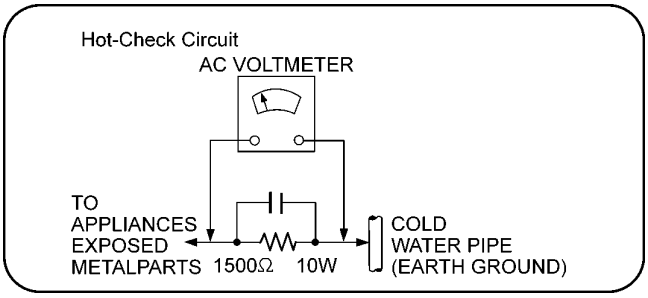


Figure 1

1.3. Before Repair and Adjustment

Disconnect AC power to discharge unit AC Capacitors as such (C5700, C5701, C5703, C5708) through a 10 Ω, 10 W resistor to ground.

Caution:

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

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

Current consumption at ~127 V, 60 Hz in Power ON, FM Tuner, No Signal, volume minimal mode should be ~ 600 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: LITTELFUSE, INC, Type: 233, F1, 8A, 125V)

1.6. Safety Parts Information

Safety Parts List:

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

These parts are marked by ⚠ in the Schematic Diagrams, Exploded View & 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.

Modelo: **SC-AKX34LM-K**

Safety	Nombre del componente	Numero de Parte
⚠	**CABLE TOMACORRIENTE.**	K2CB2YY00059
⚠	**CONECTOR TOMACORRIENTE**	K2AB2B000007
⚠	TRANSFORMADOR DE PODER	G4DYZ0000060
⚠	TRANSFORMADOR DE RESPALDO	ETS19AB2E6AG
⚠	**FUSIBLE PRIMARIO**	K5D802APA008
⚠	ZNR	ERZV05Z471CS
⚠	CAPACITOR DE AC	F1BAF1020020
⚠	CAPACITOR DE AC	F0CAF224A105
⚠	CAPACITOR DE AC	F0CAF104A105
⚠	CAPACITOR DE AC	F1BAF471A013
⚠	**OPTOACOPLADOR**	B3PBA0000579
⚠	PCB SMPS	RJB3568A
⚠	BOBINA PRIMARIO	G0B612H00002
⚠	**GAB. MET. SIN DOBLAR**	RKMX1011Z-KL
⚠	**BRS1C CD UNIT**	RD-DDL100-PX
⚠	**REAR PANEL**	RXTM0002F-A
⚠	**INSTRUCTIVO**	RQTM0188
⚠	**OPTOACOPLADOR**	B3PBA0000503

2 Warning

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

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electrostatic discharge (ESD).

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

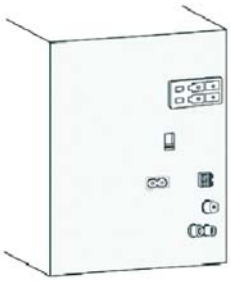
2.2. Precaution of Laser Diode

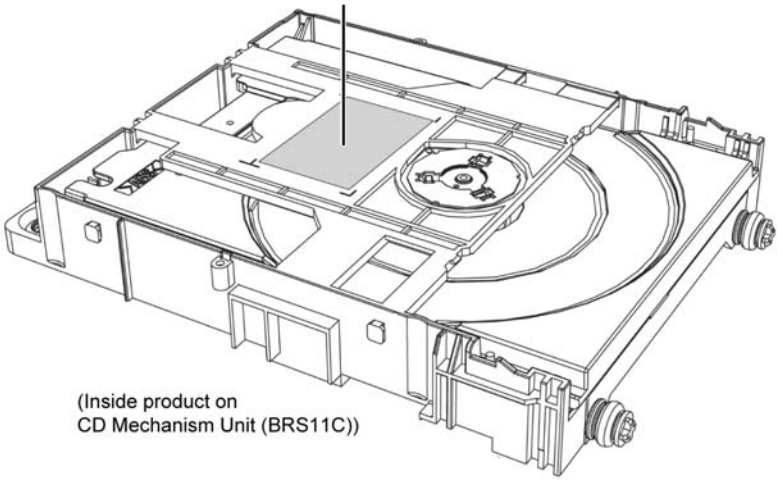
CAUTION:
THIS PRODUCT UTILIZES A LASER.
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

Caution:

This product utilizes a laser diode with the unit turned “on”, invisible laser radiation is emitted from the pickup lens.
Wavelength: 790 nm (CD)
Maximum output radiation power from pickup: 100 μW/VDE
Laser radiation from the pickup unit is safety level, but be sure the followings:

1. Do not disassemble the pickup unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.





(Inside product on
CD Mechanism Unit (BRS11C))

2.3. Service caution based on Legal restrictions

2.3.1. 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%

2.4. Handling Precautions for Traverse Unit

The laser diode in the optical pickup unit may break down due to static electricity of clothes or human body. Special care must be taken avoid caution to electrostatic breakdown when servicing and handling the laser diode in the traverse unit.

2.4.1. Cautions to Be Taken in Handling the Optical Pickup Unit

The laser diode in the optical pickup unit may be damaged due to electrostatic discharge generating from clothes or human body. Special care must be taken avoid caution to electrostatic discharge damage when servicing the laser diode.

1. Do not give a considerable shock to the optical pickup unit as it has an extremely high-precise structure.
2. To prevent the laser diode from the electrostatic discharge damage, the flexible cable of the optical pickup unit removed should be short-circuited with a short pin or a clip.
3. The flexible cable may be cut off if an excessive force is applied to it. Use caution when handling the flexible cable.
4. The antistatic FPC is connected to the new optical pickup unit. After replacing the optical pickup unit and connecting the flexible cable, cut off the antistatic FPC.

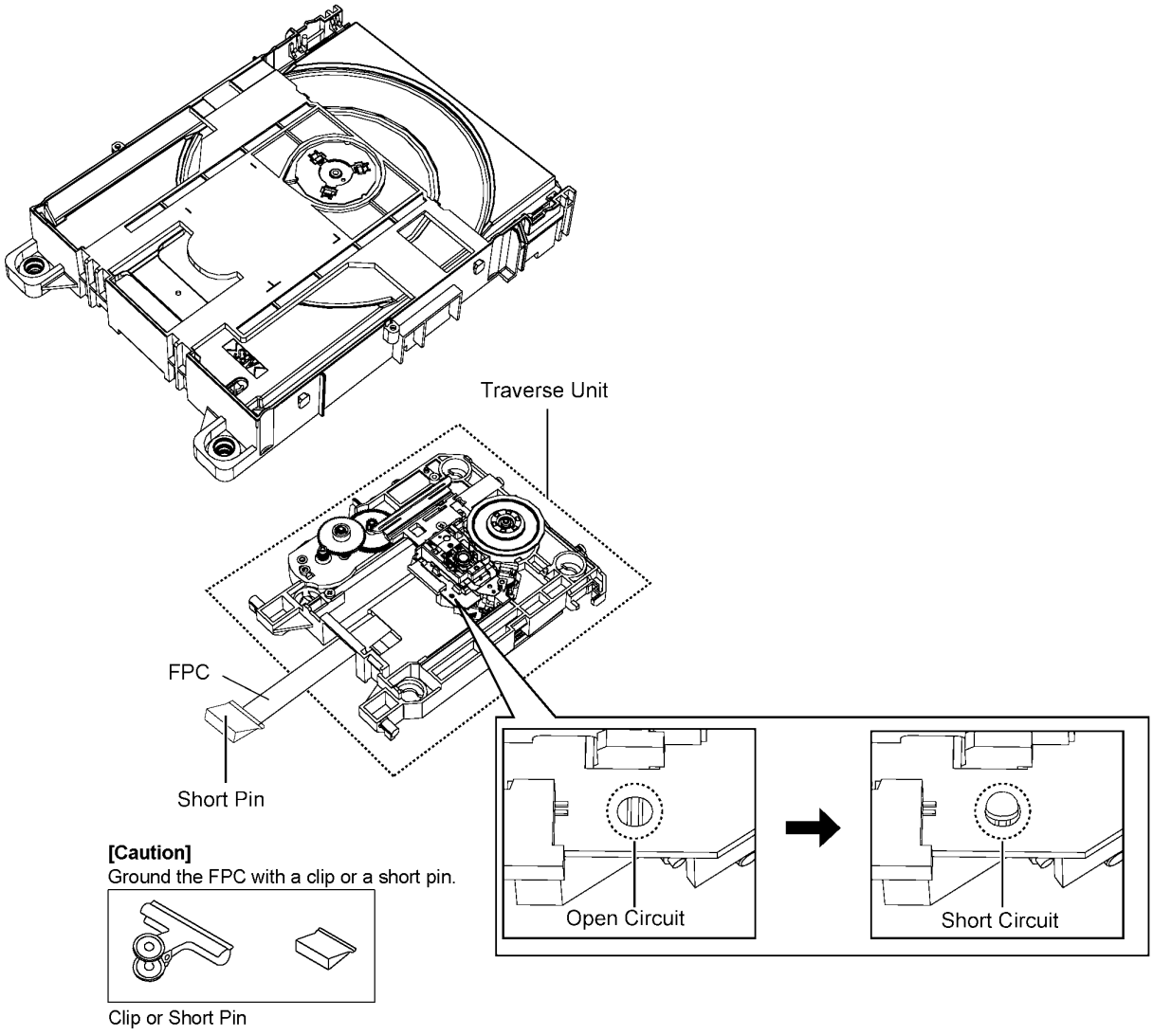


Figure A

2.4.2. Grounding for electrostatic breakdown prevention

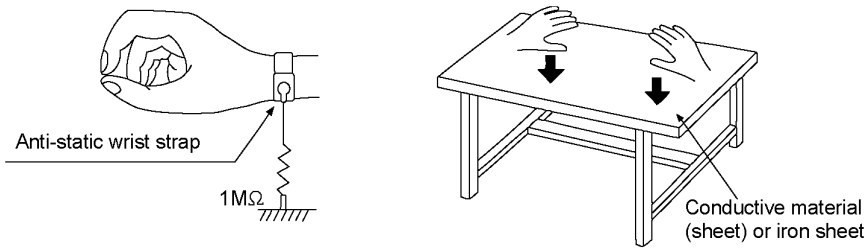
Some devices such as the DVD player use the optical pickup (laser diode) and the optical pickup will be damaged by static electricity in the working environment. Proceed servicing works under the working environment where grounding works is completed.

2.4.2.1. Worktable grounding

1. Put a conductive material (sheet) or iron sheet on the area where the optical pickup is placed, and ground the sheet.

2.4.2.2. Human body grounding

1. Use the anti-static wrist strap to discharge the static electricity form your body.



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.

- **CD Mechanism Unit (BRS11C):**

1) This model uses CD Mechanism Unit (BRS11C).

- **Micro-processor:**

1) The following components are supplied as an assembled part.
   - Micro-processor IC, IC2003 (MN101EF16KXW) Este material se encuentra sin programar, debe ser programado.

- **Speaker System:**

1) This model uses Speaker System, SB-AKX34LM-K.

4 Specifications

Sección del amplificador

Potencia de salida RMS en modo estéreo

Canal frontal (ambos canales controlados)

190 W por canal (4 Ω), 1 kHz, 10% THD

250 W por canal (4 Ω), 1 kHz, 30% THD

Potencia total RMS en modo estéreo 380 W (10% THD)

500 W (30% THD)

Potencia de salida PMPO 5500 W

Sección del sintonizador, terminales

Emisoras preconfiguradas 30 emisoras de FM

15 emisoras de AM

Frecuencia modulada (FM)

Gama de frecuencias

87,5 MHz a 108,0 MHz (en pasos de 100 kHz)
87,9 MHz a 107,9 MHz (en pasos de 200 kHz)

Terminales de la antena 75 Ω (desbalanceado)

Amplitud modulada (AM)

Gama de frecuencias

520 kHz a 1710 kHz (en pasos de 10 kHz)

Puerto de música (frontal)

Sensibilidad 100 mV, 4.7 kΩ

Terminal Estéreo, toma de 3,5 mm

Entrada AUX Clavija jack RCA

Sección de discos compactos

Discos reproducidos (8 cm o 12 cm)

CD, CD-R/RW (CD-DA, MP3※)

Lector

Longitud de onda 790 nm (CD)

Salida de audio (Disco)

Número de canales 2 canales (FL, FR)

FL = Canal frontal izquierdo
FR = Canal frontal derecho

※ MPEG-1 Layer 3

Sección de memoria interna

Memoria

Tamaño de la memoria 2 GB

Compatibilidad con formato de archivos de medios

MP3 (*.mp3)

Cómo grabar en la memoria

Velocidad de bits 128 kbps

Velocidad de grabación en la memoria

1x, 3x máx. (CD solamente)

Formato de archivo de grabación MP3 (*.mp3)

Capacidad de total de canciones grabadas (usa 128 kbps, aproximadamente 1 canción = 4 minutos) 510 canciones

Sección de USB

Puerto USB

USB estándar USB 2,0 velocidad total

Compatibilidad con formato de archivos de medios

MP3 (*.mp3)

Sistema de archivo de dispositivo USB

FAT12, FAT16, FAT32

Energía puerto USB 500 mA (máx.)

Velocidad de bits 16 kbps a 320 kbps (reproducción)

Cómo grabar en el USB

Velocidad de bits 128 kbps

Velocidad de grabación USB 1x, 3x (CD solamente)

Formato de archivo de grabación MP3 (*.mp3)

Generalidades

Fuente de alimentación

~127 V, 60 Hz

Consumo de energía 77 W

Dimensiones (An x Al x Prf) 220 mm x 334 mm x 245 mm

Peso 3 kg

Gama de temperaturas de funcionamiento

0°C a +40°C

Gama de humedades de funcionamiento

35% a 80% humedad relativa (sin condensación)

Consumo de energía en modo normal

77Wh/día (considerando 1 hora de uso al día).

Consumo de energía en modo de espera

4,6Wh/día (considerando 23 horas en modo de espera al día).

Nota:

- Las especificaciones están sujetas a cambios sin previo aviso.
  El peso y las dimensiones son aproximados.
- La distorsión armónica total se mide con el analizador de espectro digital.

5 General/Introduction

5.1. Media Information

NOTE on MP3

- Files are treated as tracks and folders are treated as albums.
- This unit can access up to 999 tracks, 255 albums and 20 sessions.
- Disc must conform to ISO9660 level 1 or 2 (except for extended formats).
- To play in a certain order, prefix the folder and file names with 3-digits numbers in the order you want to play them.

Limitations on MP3 play

- If you have recorded MP3 on the same disc as CD-DA, only the format recorded in the first session can be played.
- Some MP3s may not be played due to the condition of the disc or recording.
- Recordings will not necessarily be played in the order you recorded them.

NOTE on CDs

- This unit can access up to 99 tracks.
- This unit can play MP3 files and CD-DA format audio CD-R/RW that have been finalized.
- It may not be able to play some CD-R/RW due to the condition of the recording.
- Do not use irregularly shaped disc.
- Do not use disc with labels and stickers that are coming off or with adhesive exuding from under labels and stickers.
- Do not attach extra labels or stickers on the disc.
- Do not write anything on the disc.

NOTE on USB

Compatible devices

- USB mass storage devices that support bulk-only transfer.
- USB mass storage devices that support USB 2.0 full speed.

Supported format

- Folders are defined as album.
- Files are defined as track.
- Track must have the extension ".mp3" or ".MP3".
- CBI (Control/Bulk/Interrupt) is not supported.
- NTFS file system is not supported. (only FAT 12/16/32 file system is supported).
- Some files can fail to work because of the sector size.

Note:

- Maximum album: 255 albums (include albums without MP3 tracks).
- Maximum track: 2500 tracks
- Maximum track in one album: 999 tracks

6 Location of Controls and Components

6.1. Remote Control Key Button Operation

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 Alphanumeric buttons
To select a 2-digit number
Example: 16: [≧10] → [1] → [6]
To set a character
Example: B: [2] → [2]

❸ Delete a programmed track
Delete a selected track in a playlist

❹ Select audio source

❺ Basic playback control

❻ Select the sound effects

❼ Start the title search for internal memory

❽ View content information
Decrease the brightness of the display panel
Press and hold the button to use this function.
To cancel, press and hold the button again.

❾ Recording operation control

❿ Set the play timer and record timer

⓫ Set the clock and timer

⓬ Set the sleep timer
Automatically switch off the system
When you are in disc, USB or internal memory source, the auto off function switches off the system if you do not use the system for 30 minutes.
Press and hold the button to use this function.
To cancel, press and hold the button again.

⓭ Set the program function

⓮ Adjust the volume of the system

⓯ **Mute the sound of the system**
Press the button again to cancel.
"MUTE" is also canceled when you adjust the volume or when you switch off the system.

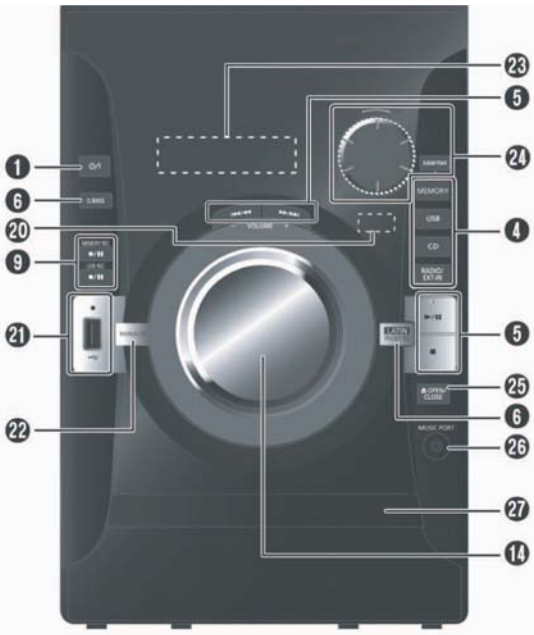
⓰ Set the play menu item
Set the radio menu item

⓱ Make playlist for internal memory

⓲ Select the option

⓳ Set the edit mode for USB or internal memory

6.2. Main Unit Key Button Operation



1 **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.

4 Select audio source

5 Basic playback control

6 Select the sound effects

9 Recording operation control

14 Adjust the volume of the system

20 Remote control sensor

21 USB port (•<)
USB recording indicator

22 Select the bass, mid or treble effect

23 Display panel

24 **Browse tracks or albums**

CD
Turn the knob to browse the track.
Press [►/II] to start playback from the selection.

MP3
Press [ALBUM/TRACK] to select album or track and then turn the knob to browse.
Press [►/II] to start playback from the selection.

25 Open or close the disc tray

26 Music port jack

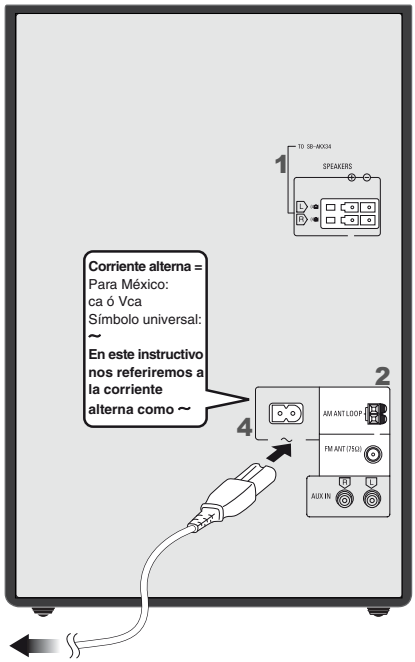
27 Disc tray

7 Installation Instructions

7.1. Speaker and A/C Connection

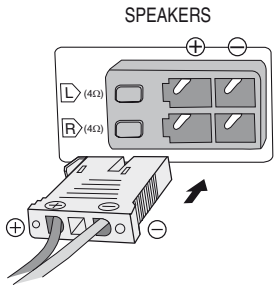
Cómo realizar las conexiones

Cómo ahorrar energía
El sistema consume aproximadamente 0,2 W cuando está en modo de espera. Desconecte la fuente de alimentación cuando no use el sistema.
Se perderán algunas configuraciones cuando desconecte el sistema. Tendrá que configurarlas nuevamente.

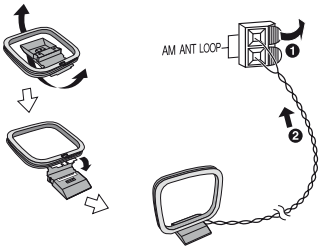


Del enchufe de conexión a la toma de corriente de ~

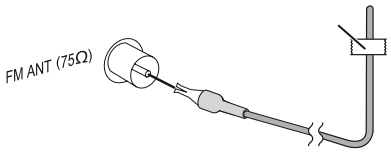
1 **Conecte los bafles.**



2 **Conecte la antena de cuadro AM.**
Ponga la antena en posición vertical sobre su base h que haga clic.



3 **Conecte la antena interior FM.**
Coloque la antena donde la recepción sea la mejor.



4 **Conecte el cable de alimentación de ~**
Use exclusivamente el cable de alimentación de ~ suministrado con este sistema.
No use un cable de alimentación de ~ de otro equipo.

8 Service Mode

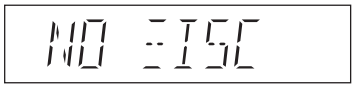
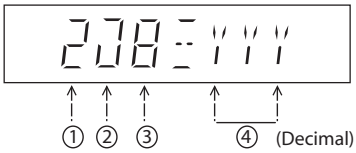
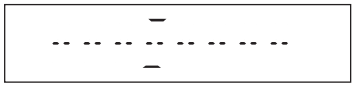
8.1. Cold-Start

Here is the procedure to carry out cold-start or initialize to shipping mode.

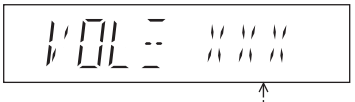
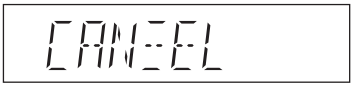
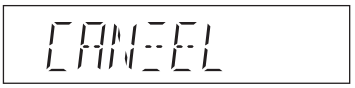
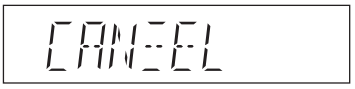
1. Unplug AC power cord
2. Press & hold [POWER] button
3. Plug AC power cord while [POWER] button being pressed
   FL Display will show "_ _ _ _ _ _ _ _"
4. Release [POWER] button

8.2. Doctor Mode Table

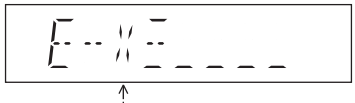
8.2.1. Doctor Mode Table 1

Item		FL Display	Key Operation
Mode Name	Description		Front Key
Doctor Mode	To enter into Doctor Mode		In CD Mode: 1. Press [■] button on main unit follow by [4] and [7] on remote control. 2. To exit, press [DELETE] button on remote control or, press [POWER, ⏻/I] button on Main Unit
EEPROM checksum check	Displaying of 1. Year Develop. 2. Model Type. 3. ROM Type. 4. Firmware Version.	 ① ② ③ ④ (Decimal) Version No. (001 ~ 999) → specific for each firmware	In CD mode: 1. Enter Doctor Mode
Cold Start	To active cold start upon next AC power up when reset start is execute the next time .		In Doctor Mode : 1. Press [SLEEP] button on remote control.

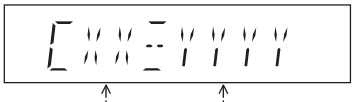
8.2.2. Doctor Mode Table 2

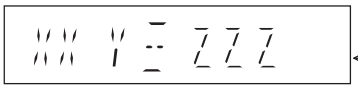
Item		FL Display	Key Operation
Mode Name	Description		Front Key
Volume Setting Check	To check the volume setting of a main unit.	 Press [7]: VOL50 Press [8]: VOL35 Press [9]: VOL0	In Doctor Mode : 1. Press [7], [8], [9] button on remote control.
FL Display Check	To check the FL segment display All segment will light up while all LED blink at 0.5s,intervals.(if any)		In Doctor mode : 1. Press [1] button on remote control. 2. To cancel, press [0] on remote control.
BRS11C Reliability Test (Traverse)	To determine CD Mechanism BRS11C Access Inner & Outer disc operation. In this mode,ensure the CD is in the main unit. Note: Refer to Section 8.3 Fig 2. for process flow .	 The counter will increment by one . When reach 9999 will change to 0000 Cancellation Display 	In Doctor Mode : 1. Press [10]→[1]→[2] button on remote control. 2. To cancel, press [0] on remote control.
BRS11C Reliability Test (Combination)	To determine CD Mechanism Unit (BRS11C) Open/Close & Access Inner & Outer Disc Operation. In this mode,ensure the CD is in the main unit. Note: Refer to Section 8.3 Fig 3. for process flow .	 The counter will increment by one . When reach 9999 will change to 0000 Cancellation Display 	In Doctor Mode : 1. Press [10]→[1]→[5] button on remote control. 2. To cancel, press [0] on remote control.
BRS11C Reliability Test (Loading)	To determine CD Mechanism Unit (BRS11C) Open/Close operation. In this mode, the tray will open & close. Note: Refer to Section 8.3 Fig 1 for process flow .	 The counter will increment by one . When reach 9999 will change to 0000 Cancellation Display 	In Doctor Mode : 1. Press [10]→[2]→[1] button on remote control. 2. To cancel, press [0] on remote control.

8.2.3. Doctor Mode Table 3

<table>
<tr><th colspan="2">Item</th><th rowspan="2">FL Display</th><th>Key Operation</th></tr>
<tr><th>Mode Name</th><th>Description</th><th>Front Key</th></tr>
<tr><td>CD
Self- Adjustment
(AJST)
Result Display</td><td>i. Function: To display result of self-adjustment for CD .
• This is used for servicing and analysis.</td><td> 
Display of auto adjustment result

Reference table:
<table><tr><th>ERROR Code / Status Condition</th><th>0</th><th>1</th><th>2</th><th>4</th><th>6</th><th>8</th><th>A</th><th>C</th><th>E</th><th>F</th></tr><tr><td>AOC1/AOC2</td><td>O</td><td>※</td><td>O</td><td>O</td><td>O</td><td>O</td><td>O</td><td>O</td><td>O</td><td>-</td></tr><tr><td>ABC2/ABC1</td><td>O</td><td>-</td><td>X</td><td>O</td><td>X</td><td>O</td><td>X</td><td>O</td><td>X</td><td>-</td></tr><tr><td>2nd AOC1</td><td>O</td><td>-</td><td>O</td><td>X</td><td>X</td><td>O</td><td>O</td><td>X</td><td>X</td><td>-</td></tr><tr><td>FAGC/T AGC</td><td>O</td><td>-</td><td>O</td><td>O</td><td>O</td><td>X</td><td>X</td><td>X</td><td>X</td><td>-</td></tr><tr><td>AGC2</td><td>O</td><td>-</td><td>O</td><td>O</td><td>O</td><td>O</td><td>O</td><td>O</td><td>O</td><td>△</td></tr></table>O: OK ;
X: NG (In case that time out happens.)
※ Either one of FO AOC, TR AOC and FO coarse AGC is NG .
△: If the AGC is NG (ignore others).</td><td>In Doctor Mode:
1. Press [10]→[1]→[4] button on remote control .

2. To cancel, press [0] on remote control .</td></tr>
<tr><td>CD LSI
Ve rsion Check</td><td>For checking CD LSI Version and checksum information.</td><td> 
Version (Decimal) C hecksum (Hex)

(Display 1)
 
ROM Version
after 2 sec
(Display 2)
 
Year Develop ROM Type Version (Decimal)</td><td>In Doctor Mode :
1. Press [4] button on remote control .

2. To cancel, press [0] on remote control .</td></tr>
</table>

8.3. Reliability Test Mode (CD Mechanism Unit (BRS11C))

Below is the process flow chart of the aging test for the CD Mechanism Unit (BRS11C).

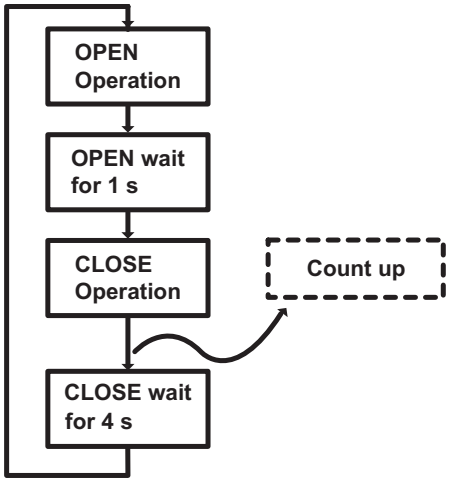


Fig. 1. Reliability Test (Loading)

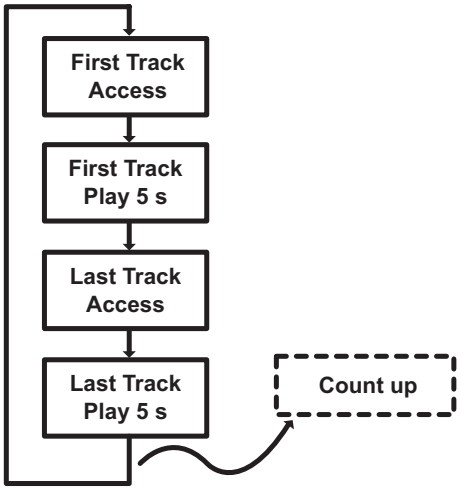


Fig. 2. Reliability Test (Traverse)

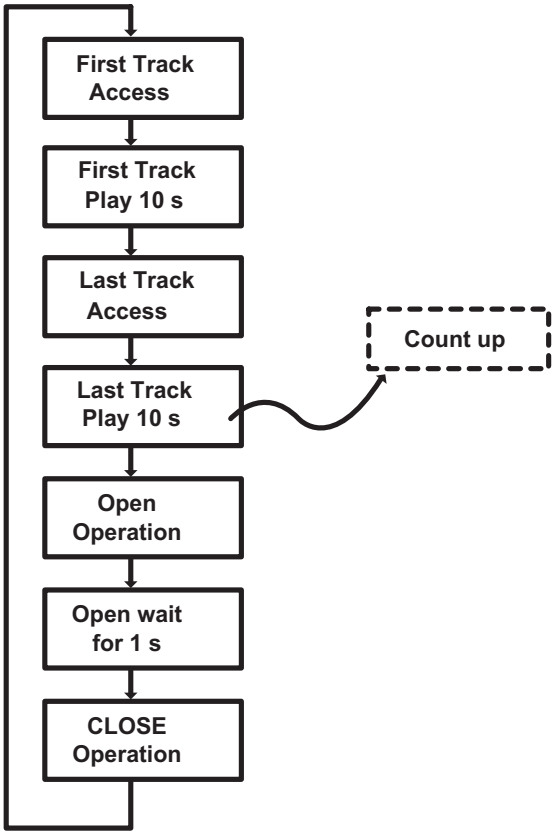


Fig. 3. Reliability Test (Combination)

8.4. Self-Diagnostic Mode

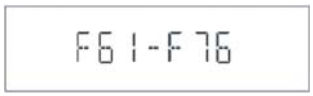
Item		FL Display	Key Operation
Mode Name	Description		Front Key
Self Diagnostic Mode	To enter into self diagnostic checking		Step 1: Select CD mode (Ensure no disc is inserted). Step 2: Press & hold [■] follow by [▶▶/▶▶I] on main unit for 2 seconds.
Error code information	System will perform a check on any unusual/error code from the memory	Example: 	Step 1: In self diagnostic mode, Press [■] on main unit. To exit, press [⏻/I] on main unit or remote control.
Delete error code	To clear the stored in memory (EEPROM IC)		Step 1: In self diagnostic mode, Press [0] on remote control. To exit, press [⏻/I] on main unit or remote control.

8.5. Self-Diagnostic Error Code Table

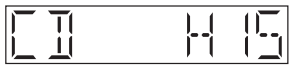
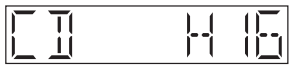
Self-Diagnostic Function (Refer Section 8.4. Self-Diagnostic Mode) provides information on any problems occurring for the unit and its respective components by displaying the error codes. These error code such as U**, H** and F** are stored in memory and held unless it is cleared.

The error code is automatically display after entering into self-diagnostic mode.

8.5.1. Power Supply Error Code Table

Error Code	Diagnosis Contents	Description of error	Automatic FL Display	Remarks
F61	Power Amp IC output abnormal	Upon power on, PCONT=HIGH, DC_DET_AMP after checking LSI.		Press [■] on main unit for next error.
F76		DC_DET_PWR		
F61-76		Both DCDET (NG)		
F26		Communication between CD servo LSI and micro-P abnormal (iPod, Radio, USB)		

8.5.2. CD Mechanism Error Code Table (CD Mechanism Unit (BRS1C))

Error Code	Diagnostic Contents	Descriptionof error	Automatic FL Display	Remarks
CD H15	CD Open Abnormal	During operation POS_SW_R On fail to be detected with 4 sec. Error No. shall be clear by force or during cold start.		Press [■] on main unit for next error.
CD H16	CD Closing Abnormal	During operation POS_SW_CEN On fail to be detected with 4 sec. Error No. shall be clear by force or during cold start.		Press [■] on main unit for next error.
F26	Communication between CD servo LSI and micro-p abnormal.	During switch to CD function, if SENSE = “L” within failsafe time of 20ms.		Press [■] on main unit for next error.

8.6. Sales Demonstration Lock Function

8.6.1. Entering into sales Demo Mode

Here is the procedures to enter into Sales Demonstration Lock.
Step 1: Turn on the unit.
Step 2: Select to any mode function.
Step 3: Press [⏏OPEN/CLOSE] key then [▶/❚❚] key at the same time,press and hold both [⏏OPEN/CLOSE] and [▶/❚❚] keys for 5 sec.
Step 4: The display will show upon entering into this mode for 2 sec..

Note: [⏏OPEN/CLOSE] button is invalid and the main unit displays “LOCKED” while the lock function mode is entered.

8.6.2. Cancellation

Step 1: Turn on the unit.
Step 2: Select to any mode function.
Step 3: Press [⏏OPEN/CLOSE] key then [▶/❚❚] key at the same time,press and hold both [⏏OPEN/CLOSE] and [▶/❚❚] keys for 5 sec.
Step 4: The display will show upon entering into this mode for 2 sec..

9 Troubleshooting Guide

9.1. Part Location

9.1.1. SMPS P.C.B.

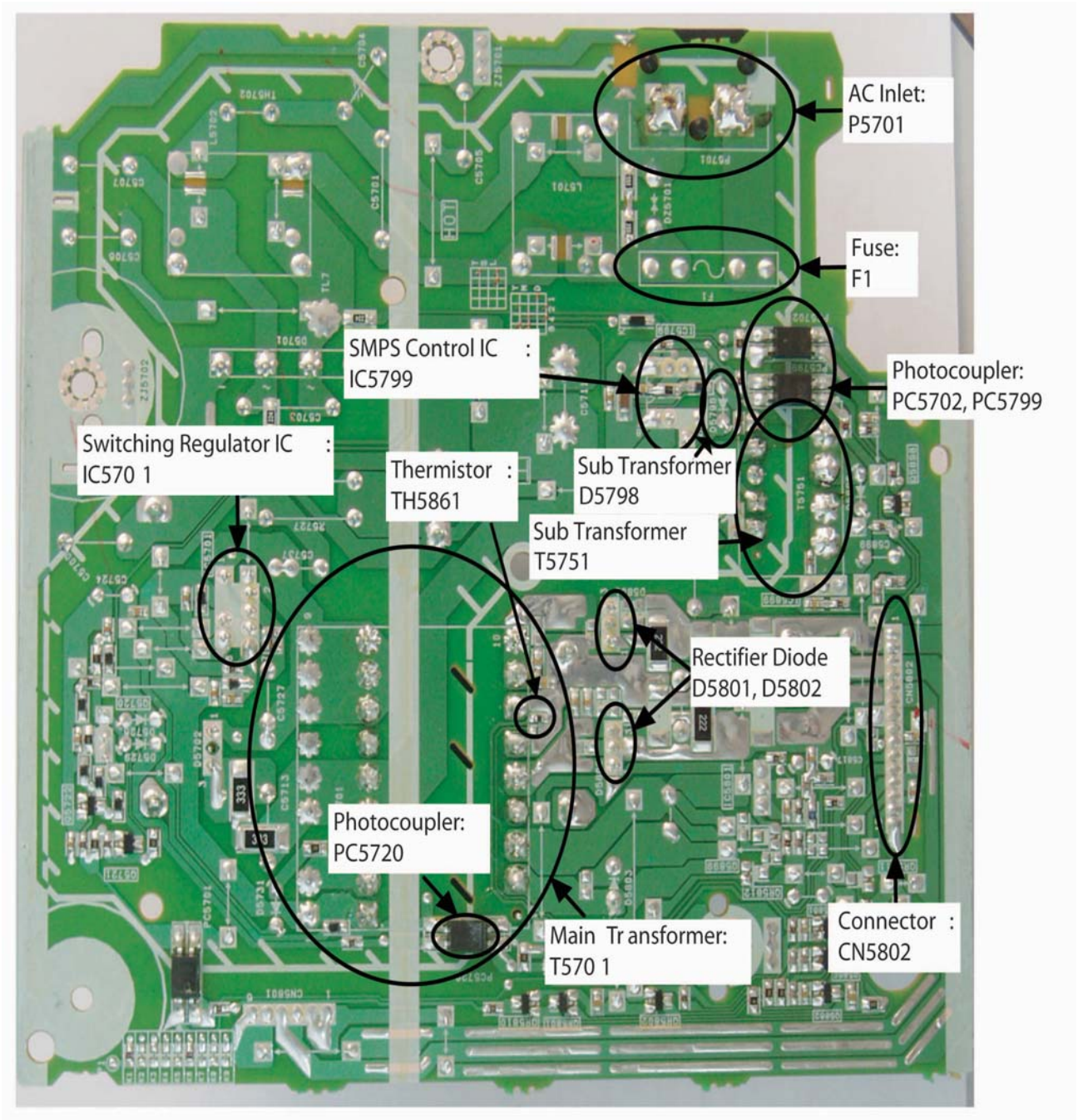


Fig. 1 SMPS P.C.B.

9.1.2. Main P.C.B. (Front side)

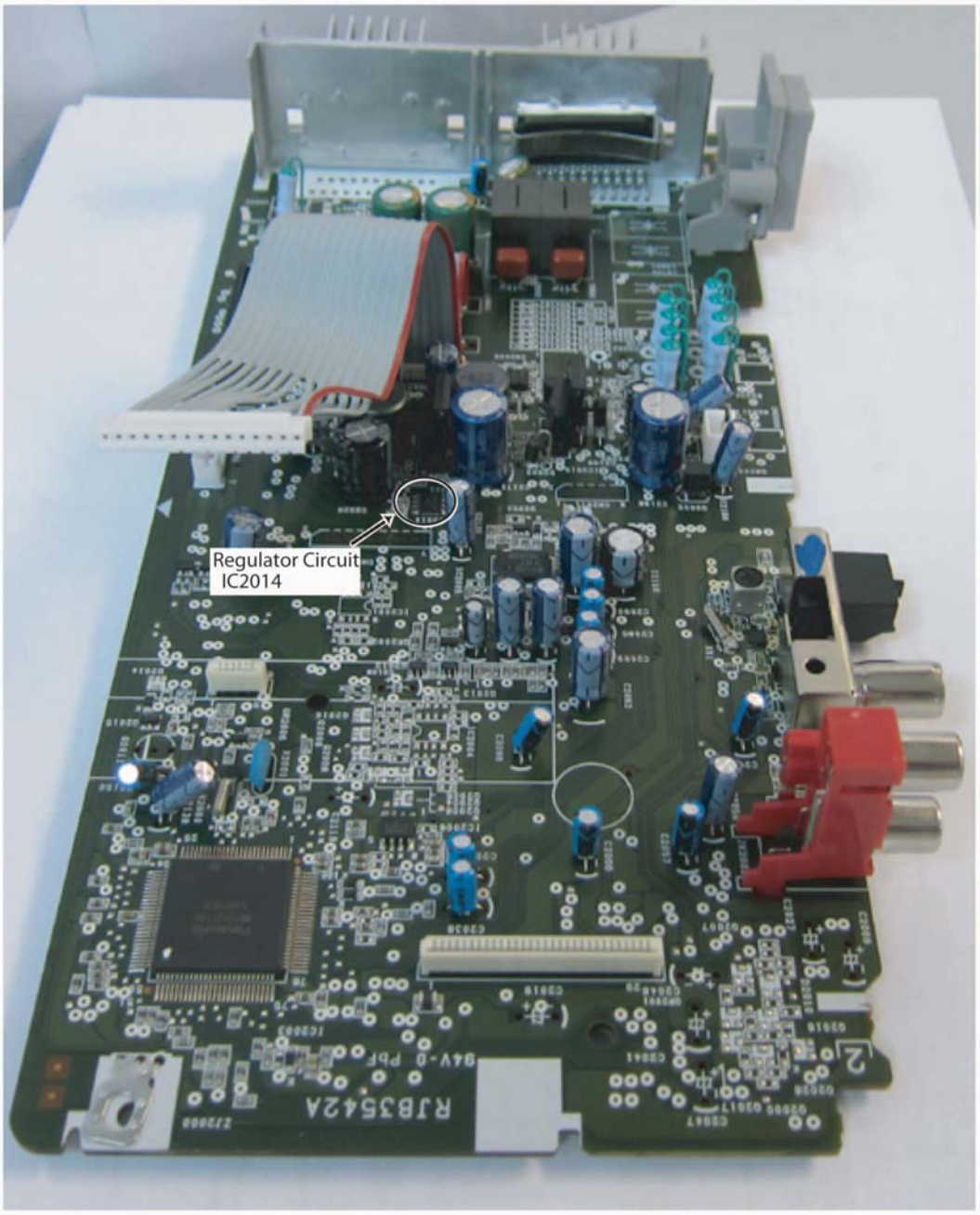


Fig. 2 Main P.C.B.

9.1.3. Main P.C.B. (Back Side)

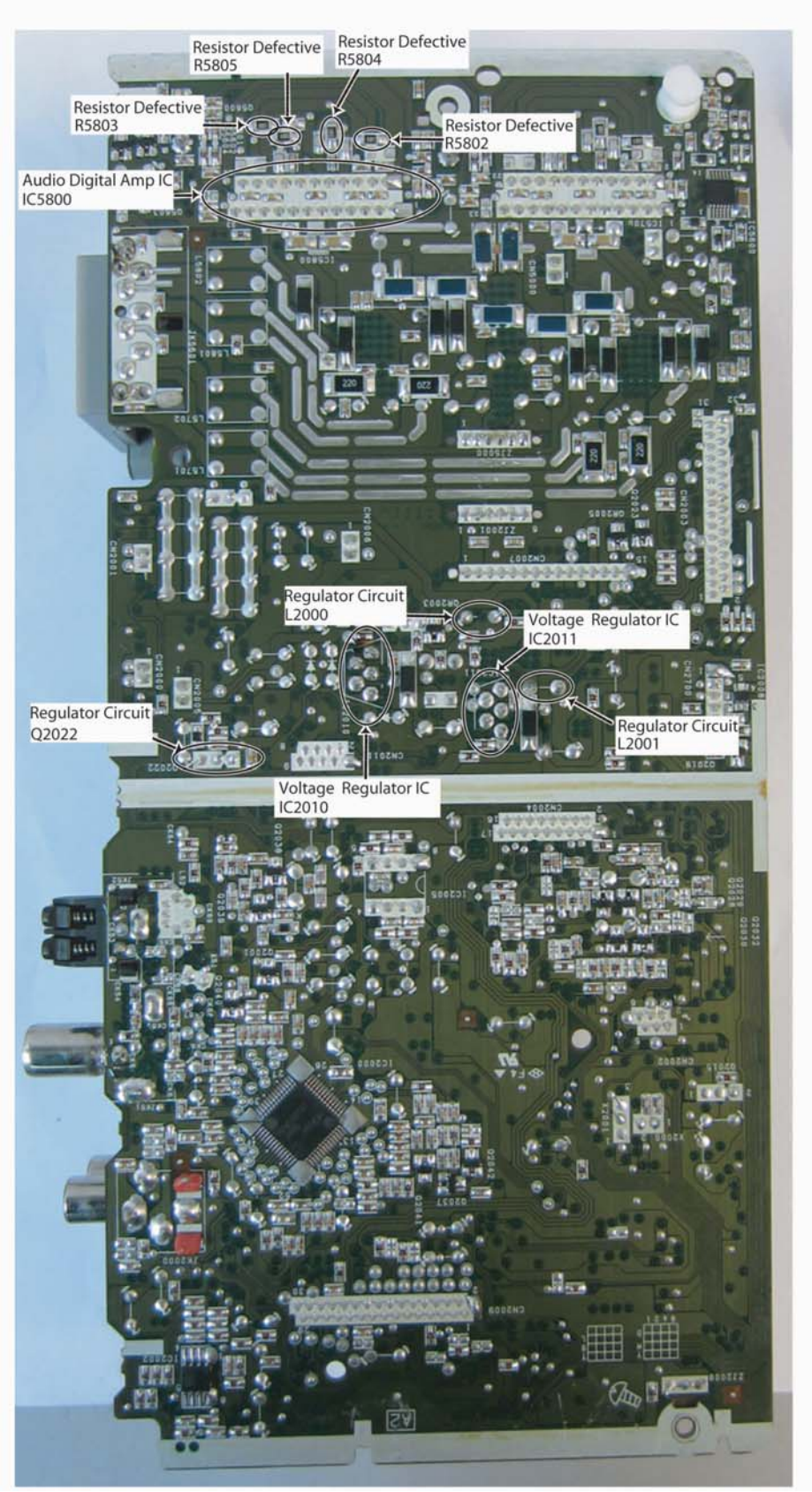


Fig. 3 Main P.C.B.

9.2. Troubleshooting Guide for F61 and/or F76

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

Symptom		Checking Items		Possible Fault(s)	Remarks
Set cannot ON	1	AC Cord	1	AC Cord Faulty, Loose connection	Refer to Section 9.1.1 Fig. 1. SMPS P.C.B.
	2	AC Inlet, P5701	2	P5701 solder crack, dry joint .	
	3	Fuse, F1	3	Fuse, F1 Open .	
	4	Photocoupler	4	PC5702/PC5799 solder crack.	
		PC5702, PC5799		Dry joint, short circuit, open circuit.	
	5	Switching Regulator	5	IC5701 Faulty .	
		IC, IC5701			
	6	Sub Transformer (T5751)	6a	T5751 Faulty.	
			6b	Switching Mode Power Supply Control IC (IC5799) faulty.	
			6c	D5798 faulty.	
Set can ON then F61	1	Speaker Output	1	Faulty speaker unit, Loose connection, Short .	Refer to Section 9.1.2 Fig. 2. Main P.C.B.
	2	D-AMP circuit	2a	D-AMP IC, IC5800 defective.	
				(Check DC voltage at speaker terminals, 3V and above defective)	
			2b	DC Voltage ok but no sound, check DC Voltage at Pin 1.	
				5V ok condition, 2.5V or 0V defective.	
			2c	2a, 2b ok but no sound, check PWM waveform at Pin 10 and Pin 14 .	
				If no PWM, 4 resistors defective (R5802, R5803, R5804, R5805).	
Set can ON then F76	1	Main Transformer T5701	1a	Short circuit between Pin 11 and Pin 12 .	Refer to Section 9.1.1 Fig. 1. SMPS P.C.B.
			1b	Short circuit between Pin 13 and Pin 14 .	
			1c	Short circuit between Pin 16 and Pin 17 .	
	2	Regulator Circuits	2a	IC2010 faulty (No +9V output).	Refer to Section 9.1.2 Fig. 2. and Fig.3. Main P.C.B.
			2b	L2000 Open.	
			2c	Q2022 faulty (No +5V output).	
			2d	IC2014 faulty (No +3.3V output).	
			2e	IC2011 faulty (No +5V output).	
			2f	L2001 Open.	
	3	Photocoupler	3	PC5720 solder crack,	Refer to Section 9.1.1 Fig. 1. SMPS P.C.B.
		PC5720		Dry joint, short circuit, open circuit.	
Set can ON working normally for some time then F76	1	Rectifier Diode D5801	1a	Improper contact between D5801 to Heatsink .	Refer to Section 9.1.1 Fig. 1. SMPS P.C.B.
		Rectifier Diode D5802		Improper contact between D5802 to Heatsink .	
	2	Thermistor TH5860,	1b	Set trigger temperature protection .	
		TH5861			

9.3. D-Amp IC Operation & Control

D-AMP IC Operation & Control

1) D-AMP IC (C1AB0000497) was used for this model (AKX34).
2) Three control pins (signal send from micro-processor IC) were used to control the D-AMP IC operation such as muting, standby and normal operation. They are described as below: -

No	Pin no	Signal name	Function
1	4	F_HOP	Frequency Hop control.
2	6	MODE_DA	Digital Amp On/Off control.
3	3	MUTE_F	Digital Amp Muting control

Table 1: Digital AMP Pin Control.

Here is detailed description of the three control pins for the D-AMP IC

A) **MODE_DA** & **MUTE_F** were used to switch the D-AMP IC in the following muting status:

- L(Low/OFF): Standby / OFF
- H (High/ON): Operating or Mute

Below is the logic for the two pins used for the control of the D-AMP IC.

No	MODE_DA	MUTE_F	Digital AMP IC mode status
1	L	X	OFF (0V)
2	H	H	Mute (2.5V)
3	H	L	Operating(5V)

Table 2: Digital AMP IC Mode Status.

Note: Standby/OFF condition of D.AMP IC is available / activated only during the following event: Switching of Frequency Hoping, power off and start up (when the unit is undergoing the transition from standby to normal operation mode)

B) **F_HOP** is used to control the D-AMP operation to avoid interference with AM source by controlling the frequency source used. It will switch from one frequency to the other, depending on the tuned AM frequency.

For 9 KHz Step

AM Band Frequency	F_HOP	Switching Frequency
522 ~ 558	H	301
567 ~ 639	H	350
648 ~ 855	L	301
864 ~ 945	H	350
954 ~ 1152	L	301
1161 ~ 1242	H	350
1251 ~ 1449	L	301
1458 ~ 1539	H	350
1548 ~ 1629	L	301

Table 3: F_HOP Control during 9 kHz Step

For 10 KHz Step

AM Band Frequency	F_HOP	Switching Frequency
520 ~ 560	H	301
570 ~640	H	350
650 ~ 860	L	301
870 ~ 950	H	350
960 ~ 1160	L	301

1170 ~ 1250	H	350
1260 ~ 1450	L	301
1460 ~ 1540	H	350
1550 ~ 1710	L	301

Table 4: F_HOP Control during 10 kHz Step

Note: During activating, the 3 control pins namely MUTE_F, MUTE_A and MODE_DA must be used to cover the “Pop” sound cause by F-HOP switching.

10 Service Fixture & Tools

Prepare service tools before process service position.

Ref. No	Service Tools		Remarks
SFT1	Main P.C.B. (CN2007) - SMPS P.C.B. (CN5802)	REX1527(15P Cable Wire)	

11 Disassembly and Assembly Instructions

• Illustration is based on SA-AKX34PH-K.

Caution Note:

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

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

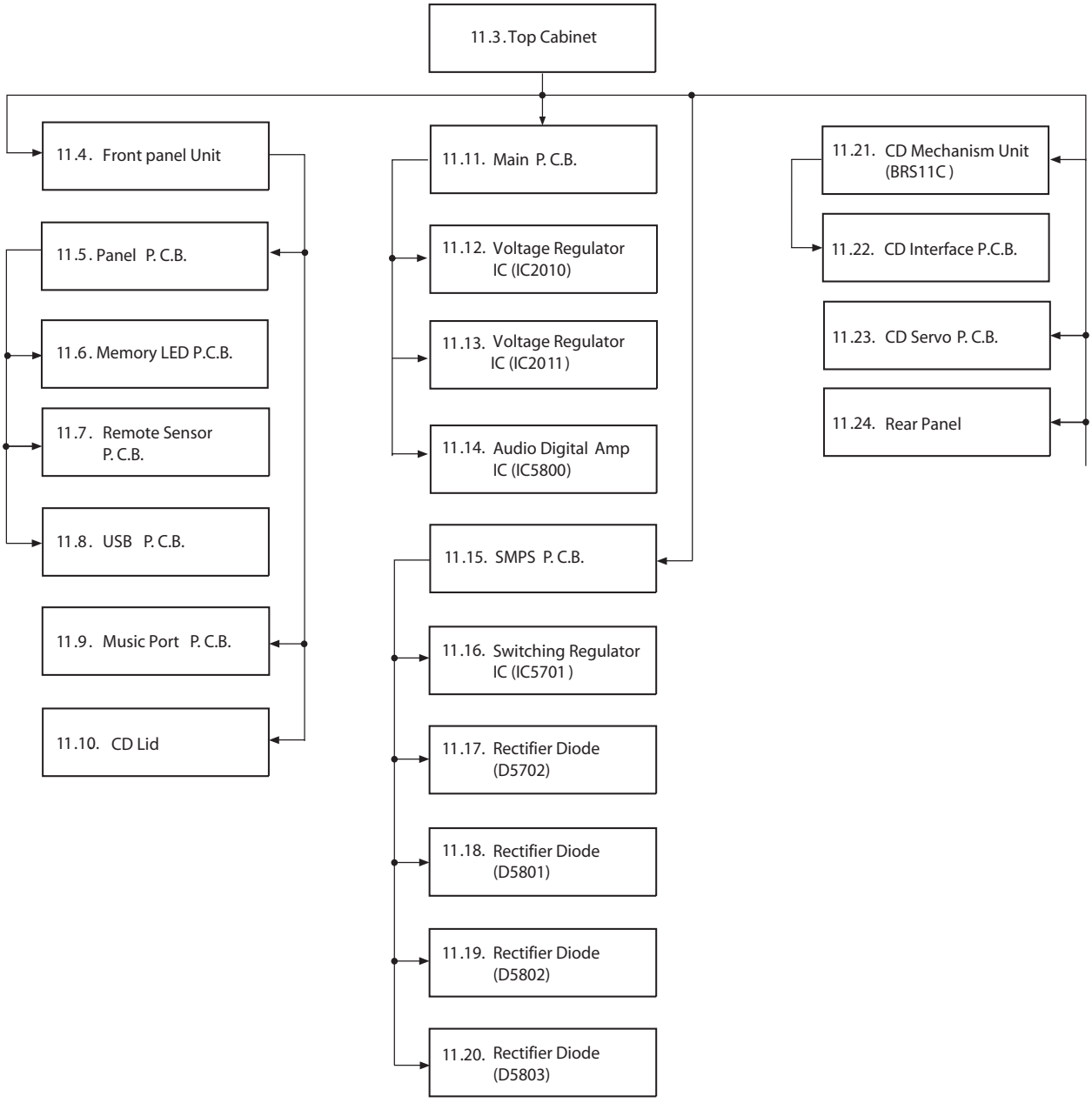
- **During disassembly and assembly, please ensure proper service tools, equipments or jigs is being used.**
- **During replacement of component parts, please refer to the section of "Replacement Parts List" as described in the service manual.**
- **Select items from the following indexes when disassembly or replacement are required.**
- Disassembly of Top Cabinet
- Disassembly of Front Panel Unit
- Disassembly of Panel P.C.B.
- Disassembly of Memory LED P.C.B.
- Disassembly of Remote Sensor P.C.B.
- Disassembly of USB P.C.B.
- Disassembly of Music Port P.C.B.
- Disassembly of CD Lid
- Disassembly of Main P.C.B.
- Replacement of Voltage Regulator (IC2010)
- Replacement of Voltage Regulator (IC2011)
- Replacement of Audio Digital Amp IC (IC5800)
- Disassembly of SMPS P.C.B.
- Replacement of Switching Regulator IC (IC5701)
- Replacement of Rectifier Diode (D5702)
- Replacement of Rectifier Diode (D5801)
- Replacement of Rectifier Diode (D5802)
- Replacement of Rectifier Diode (D5803)
- Disassembly of CD Mechanism Unit (BRS11C)
- Disassembly of CD Interface P.C.B.
- Disassembly of CD Servo P.C.B.
- Disassembly of Rear Panel

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

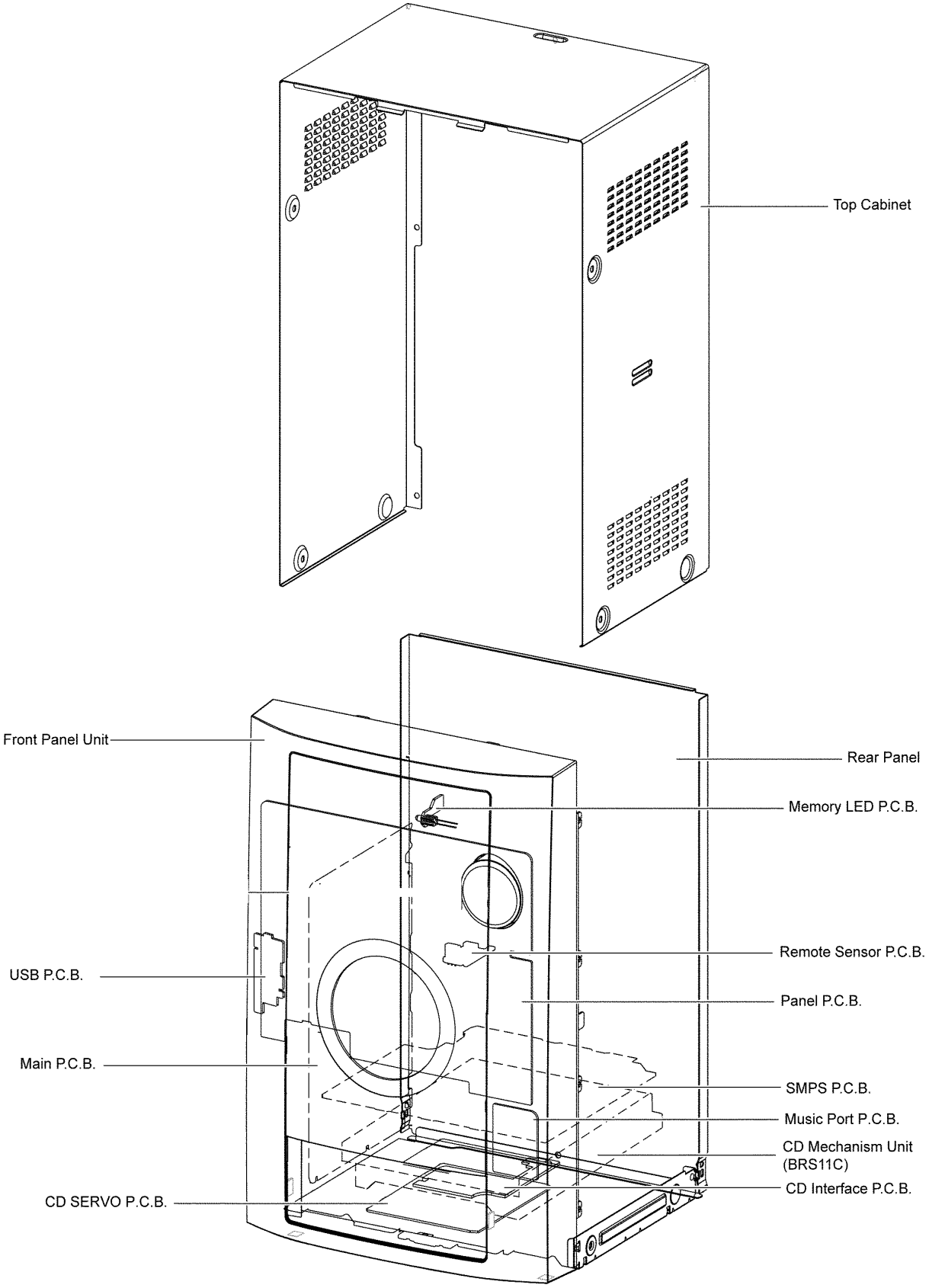
Below shown is part no. of different screw types used:

ⓐ :RHD30007-K2J
ⓑ :RHD30119-S
ⓒ :RHD26046
ⓓ :RHD30111-31
ⓔ :XTB3+10JFJ
ⓕ :RHDX30005-J
ⓖ :RHDX031008

11.1. Disassembly Flow Chart

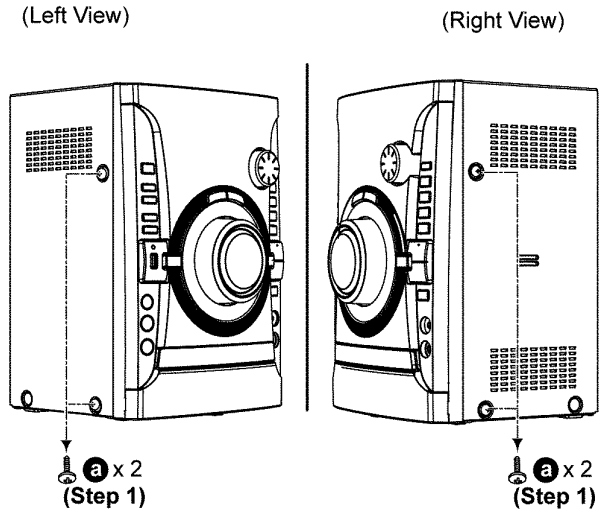


11.2. Main Components and P.C.B. Locations



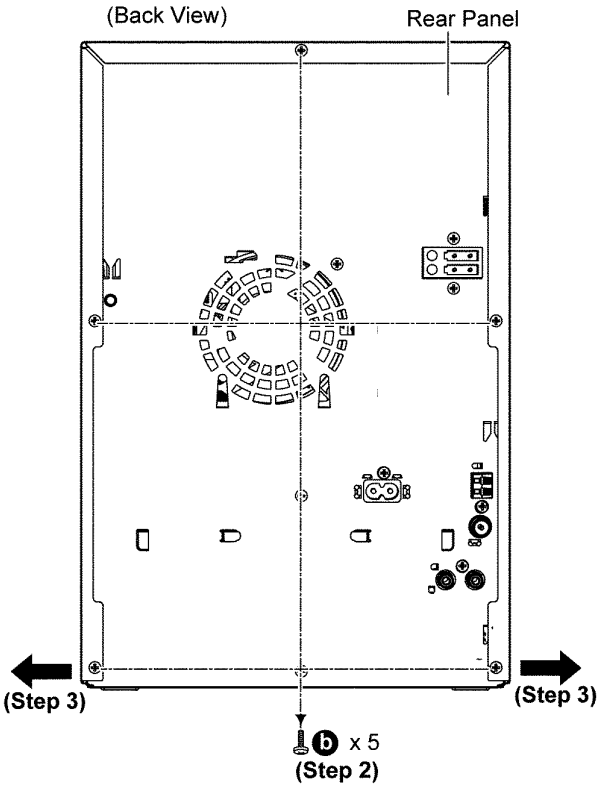
11.3. Disassembly of Top Cabinet

Step 1 Remove 2 screws on each side.



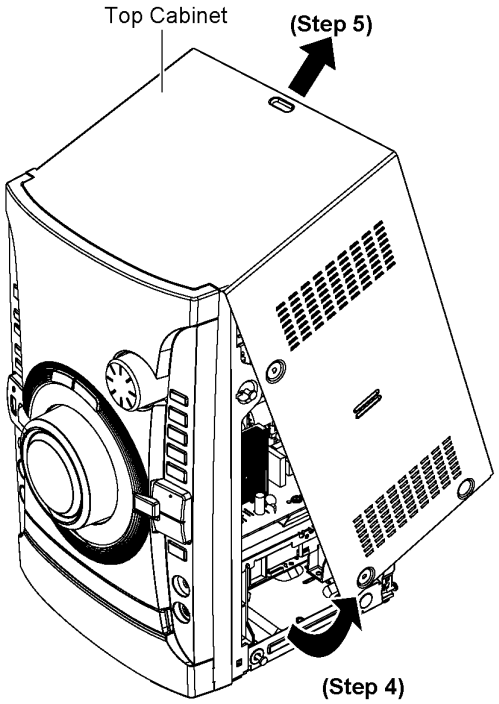
Step 2 Remove 5 screws.

Step 3 Slightly pull both side of the Top Cabinet outwards as arrow shown.

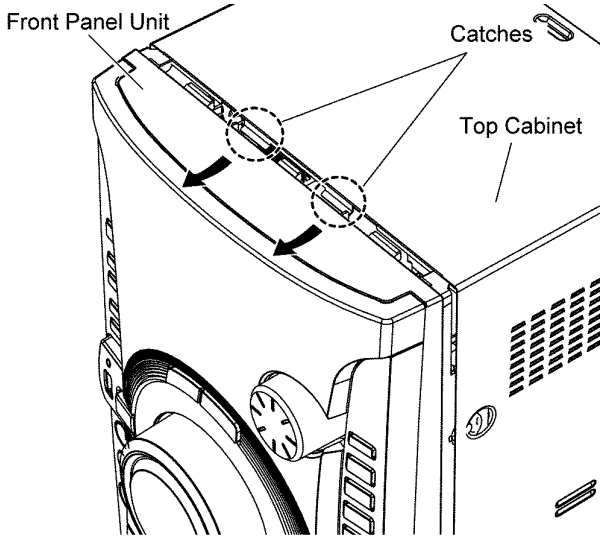


Step 4 Slightly lift up both side of the Top Cabinet in an outward direction as shown.

Step 5 Remove the Top Cabinet.



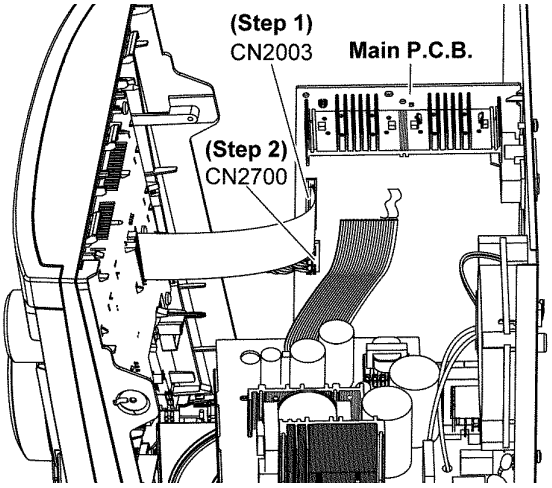
Caution: During assembling, ensure that catches of the Top Cabinet catches are properly located & inserted into Front Panel Unit as shown.



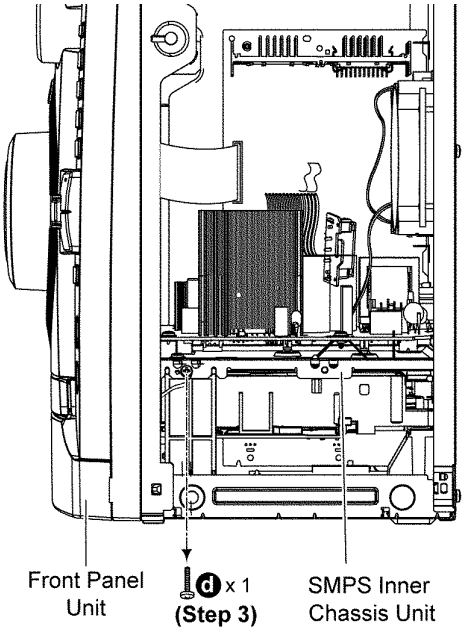
11.4. Disassembly of Front Panel Unit

- **Refer to "Disassembly of Top Cabinet".**

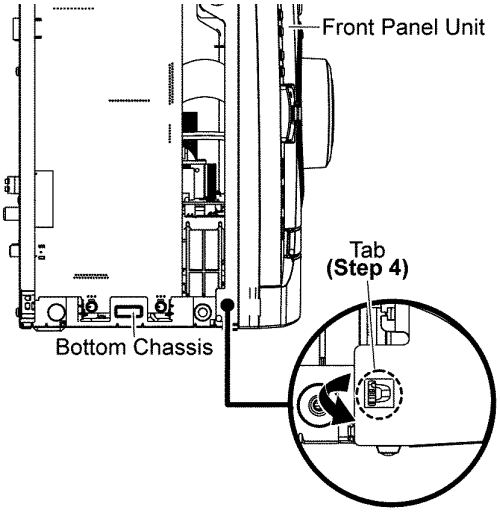
Step 1 Detach 27P FFC at the connector (CN2003) on the Main P.C.B.
Step 2 Detach 5P Cable Wire at the connector (CN2700) on the Main P.C.B.



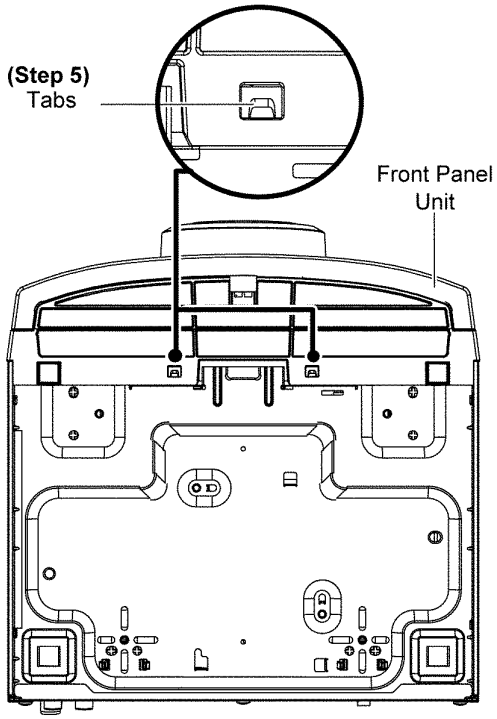
Step 3 Remove 1 screw at the SMPS Inner Chassis Unit.



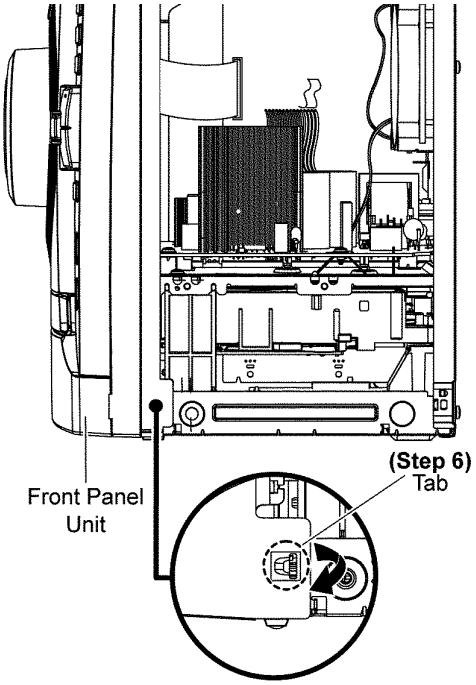
Step 4 Push inwards slightly at the Bottom Chassis as arrow shown and release tab at left side of Front Panel Unit.



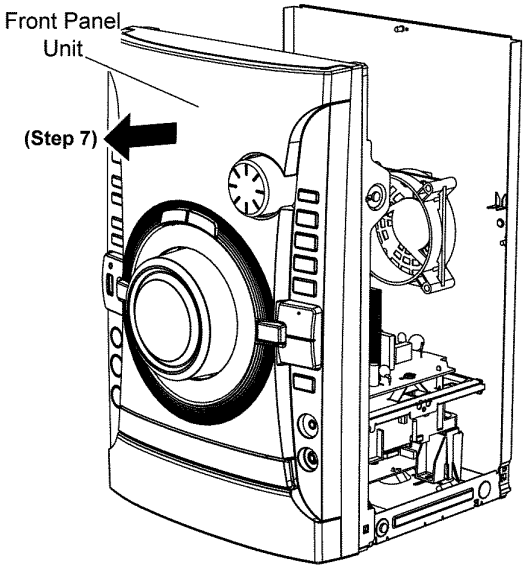
Step 5 Release tabs at bottom of the unit.



Step 6 Push inwards slightly at the Bottom Chassis and release tab at right side of Front Panel Unit.



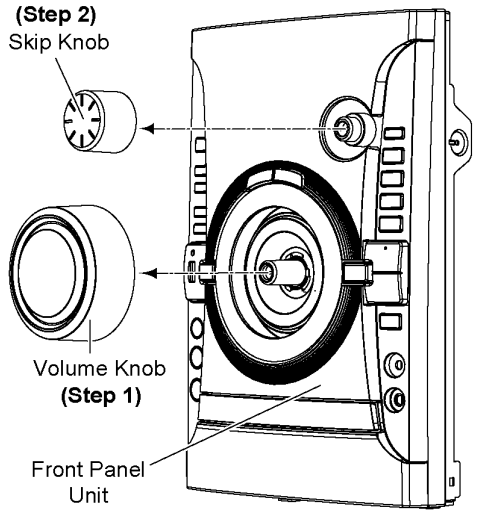
Step 7 Remove the Front Panel Unit



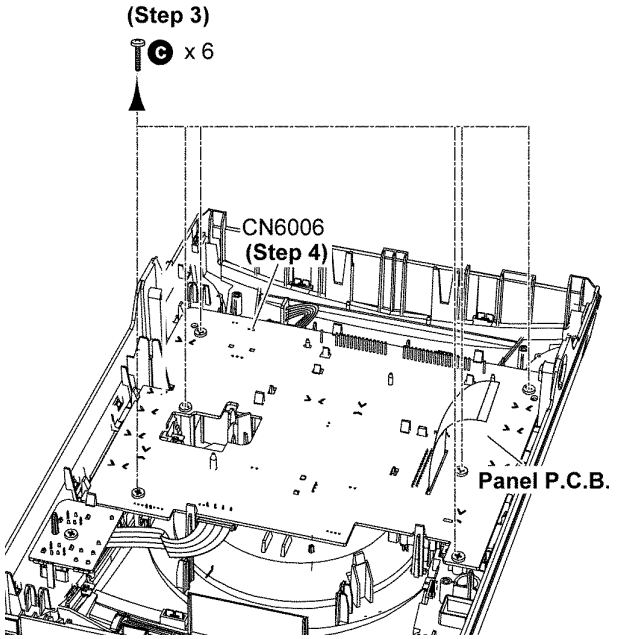
11.5. Disassembly of Panel P.C.B.

- **Refer to "Disassembly of Top Cabinet".**
- **Refer to "Disassembly of Front Panel Unit".**

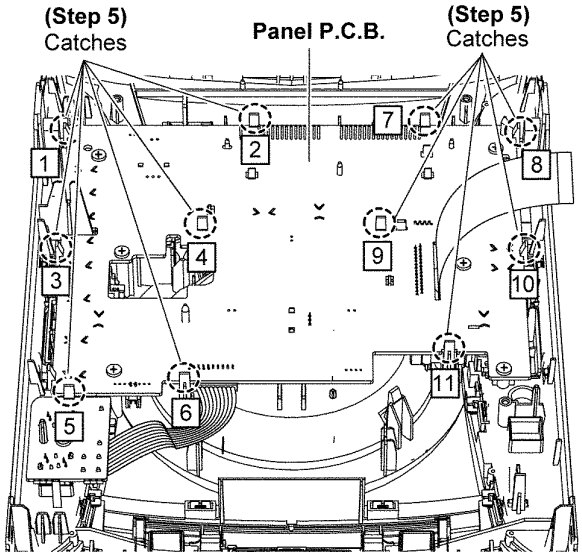
Step 1 Remove the Volume Knob.
Step 2 Remove the Skip Knob.



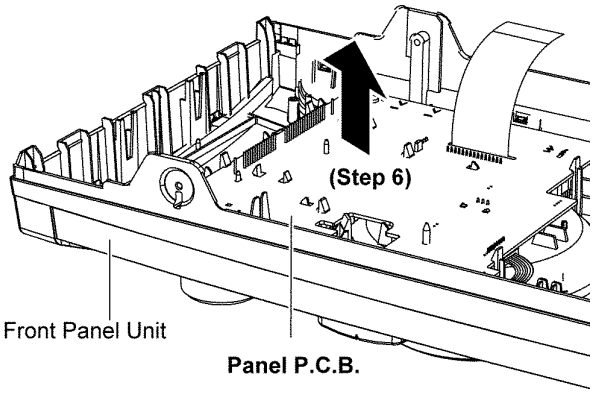
Step 3 Remove 6 screws.
Step 4 Detach 2P Cable Wire at the connector (CN6006) on Panel P.C.B..



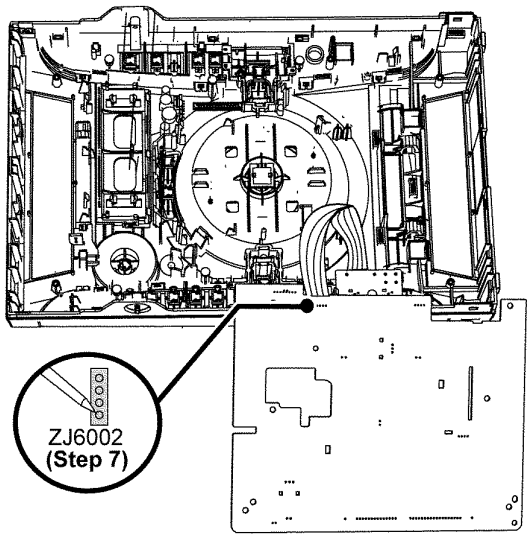
Step 5 Release catches by following the sequences (1-11).



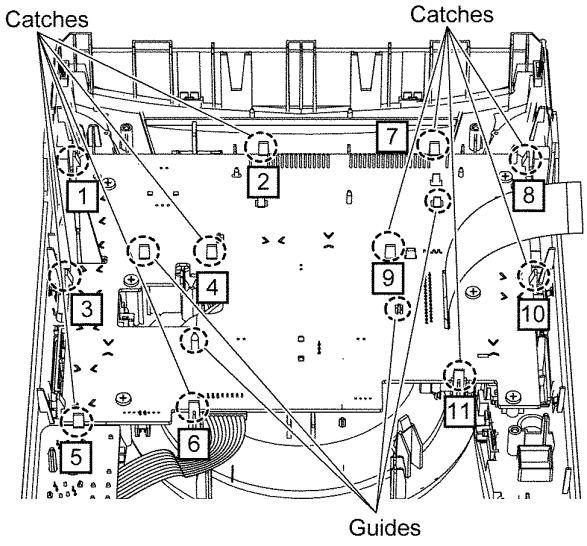
Step 6 Lift up to remove the Panel P.C.B..



Step 7 Desolder 4P Cable Wire at the connector (ZJ6002) on Panel P.C.B..



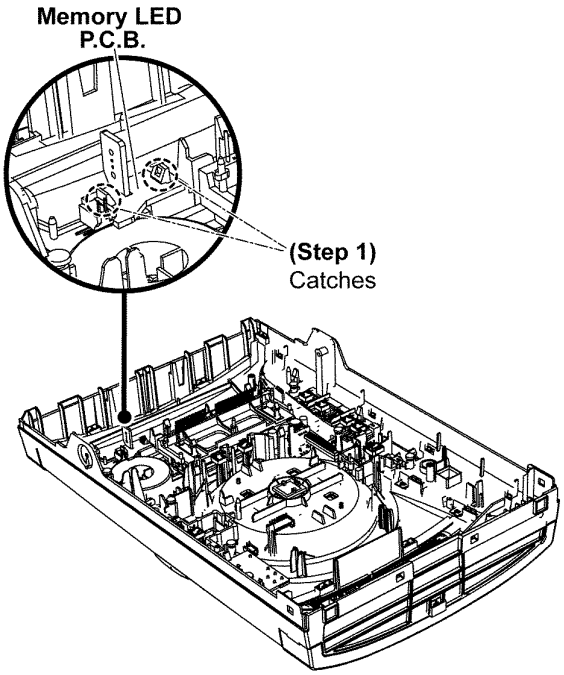
Caution: During assembling, ensure that Panel P.C.B. is seated properly through the guides & fully catched.



11.6. Disassembly of Memory LED P.C.B.

- **Refer to “Disassembly of Top Cabinet”.**
- **Refer to “Disassembly of Front Panel Unit”.**
- **Refer to “Disassembly of Panel P.C.B.”.**

Step 1 Release 2 catches.

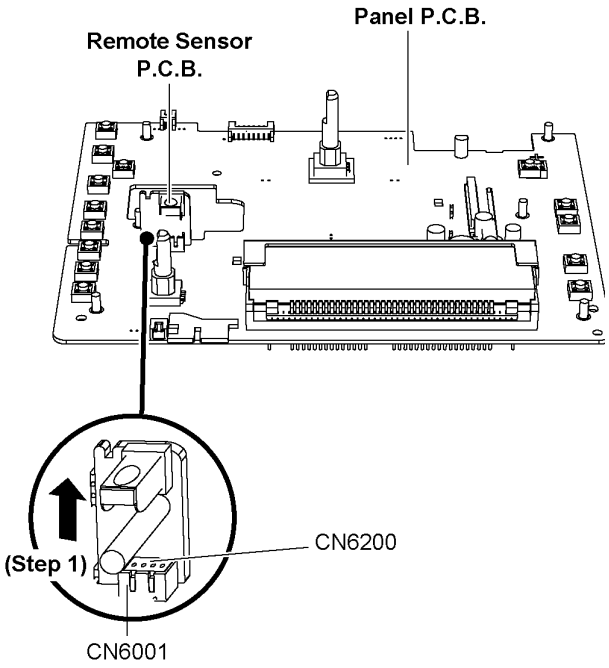


11.7. Disassembly of Remote Sensor P.C.B.

- **Refer to “Disassembly of Top Cabinet”.**
- **Refer to “Disassembly of Front Panel Unit”.**
- **Refer to “Disassembly of Panel P.C.B.”.**

Step 1 Remove the Remote Sensor P.C.B..

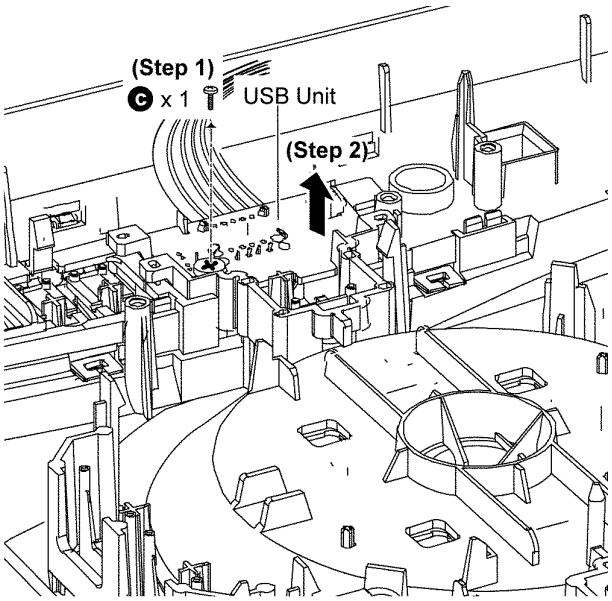
Caution: During assembling, ensure that Remote Sensor P.C.B. is properly inserted & fully connected to Panel P.C.B..



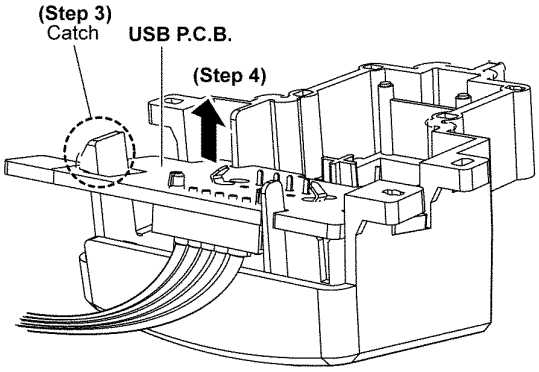
11.8. Disassembly of USB P.C.B.

- **Refer to "Disassembly of Top Cabinet".**
- **Refer to "Disassembly of Front Panel Unit".**
- **Refer to "Disassembly of Panel P.C.B.".**

Step 1 Remove 1 screw.
Step 2 Remove the USB Unit.



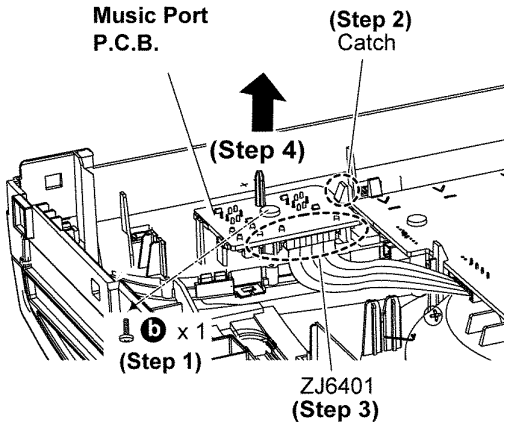
Step 3 Release 1 catch.
Step 4 Remove the USB P.C.B..



11.9. Disassembly of Music Port P.C.B.

- **Refer to "Disassembly of Top Cabinet".**
- **Refer to "Disassembly of Front Panel Unit".**

Step 1 Remove 1 screw.
Step 2 Release 1 catch.
Step 3 Desolder 8P Cable Wire at ZJ6401 on Panel P.C.B..
Step 4 Remove the Music Port P.C.B..
Caution: During assembling, ensure that Music Port P.C.B. is properly located & fully catched onto Front Panel.

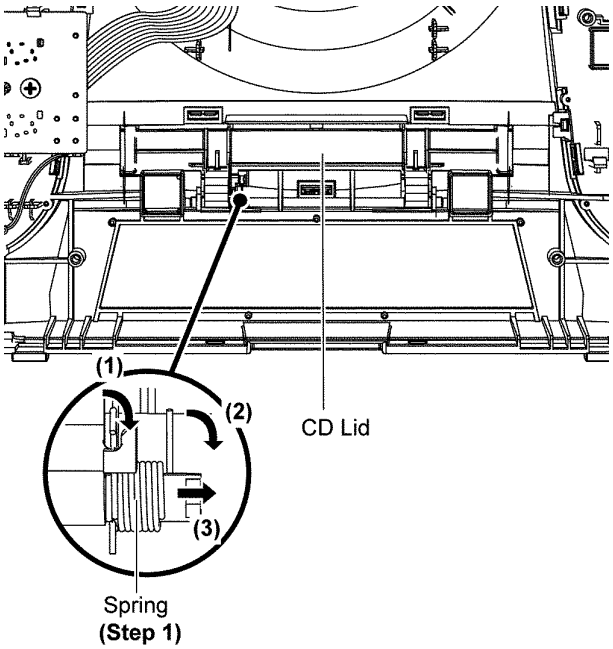


11.10. Disassembly of CD Lid

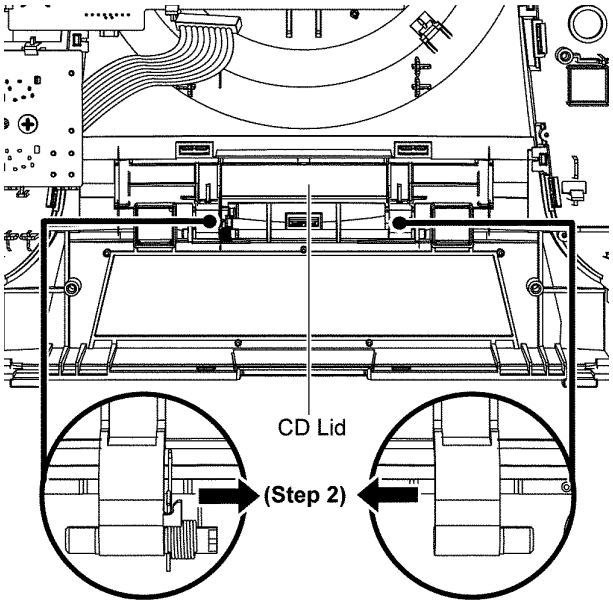
- **Refer to “Disassembly of Top Cabinet”.**
- **Refer to “Disassembly of Front Panel Unit”.**

Step 1 Remove the spring as arrow shown in order of sequence (1) to (3).

Caution: During assembling, ensure that the spring is assembly at right position.



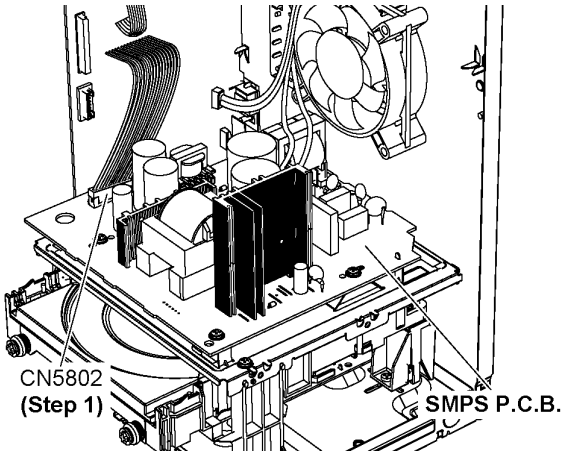
Step 2 Remove the CD Lid as arrow shown.



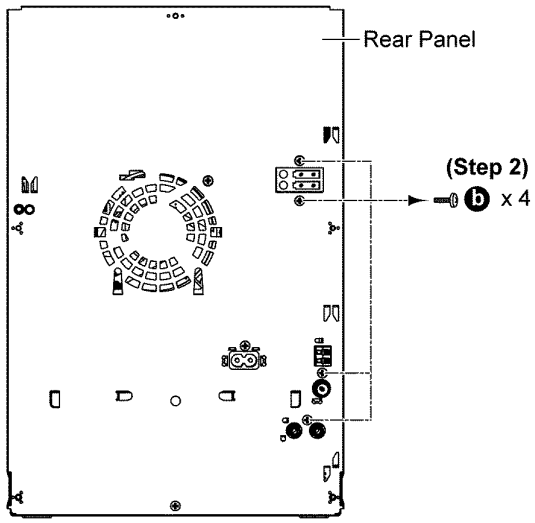
11.11. Disassembly of Main P.C.B.

- **Refer to “Disassembly of Top Cabinet”.**
- **Refer to “Disassembly of Front Panel Unit”.**

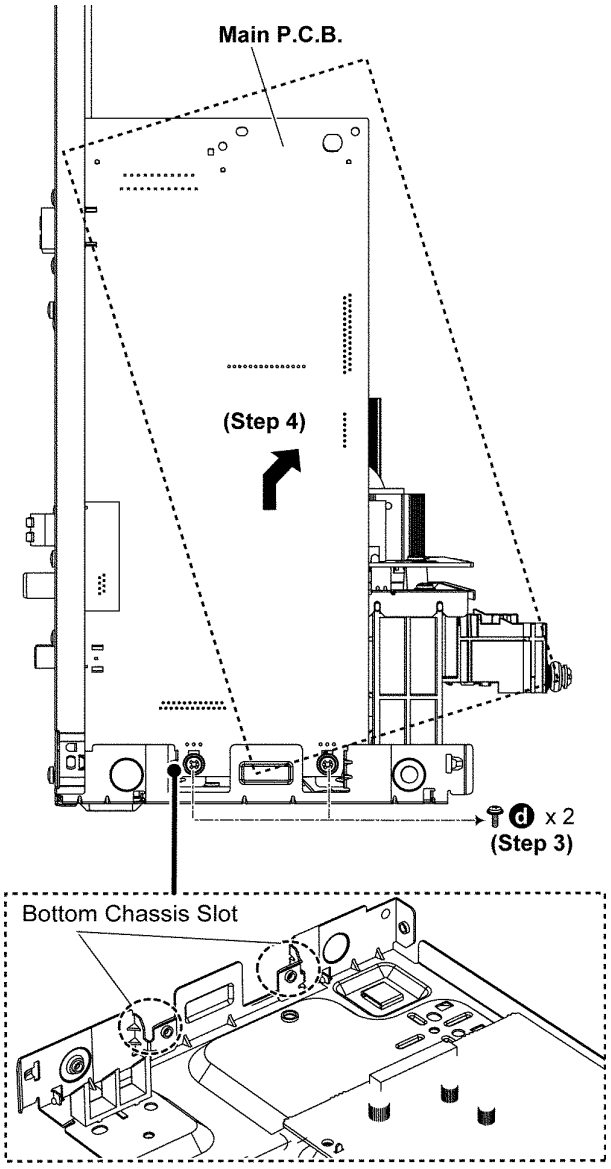
Step 1 Detach 15P Cable Wire at the connector (CN5802) on SMPS P.C.B..



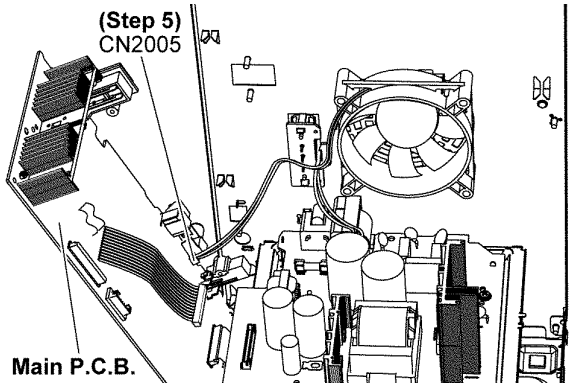
Step 2 Remove 4 screws.



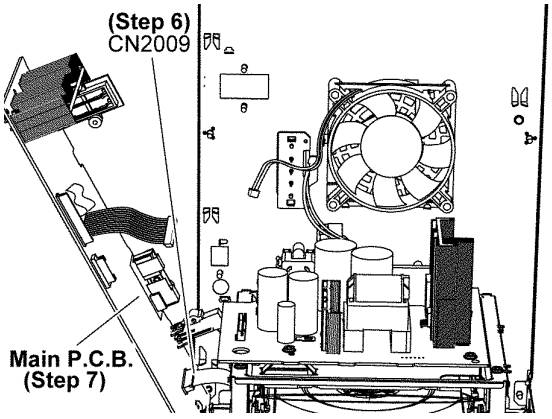
Step 3 Remove 2 screws.
Step 4 Slightly lift up the Main P.C.B. from Bottom Chassis slot according to arrow shown.



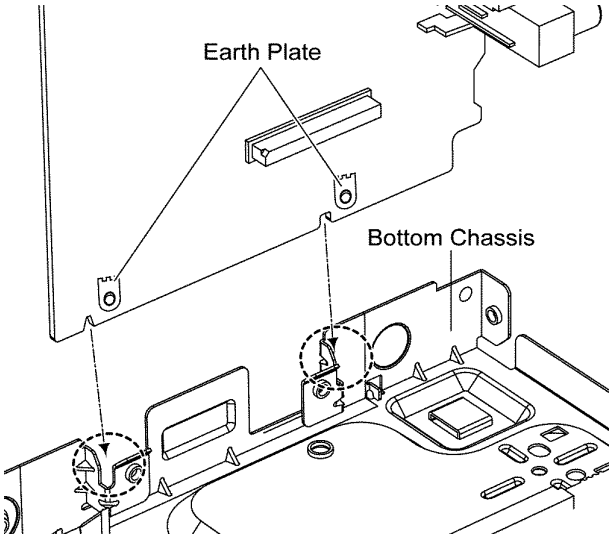
Step 5 Detach 2P Wire at the connector (CN2005) on the Main P.C.B..



Step 6 Detach 30P FFC at the connector (CN2009) on Main P.C.B..
Step 7 Remove Main P.C.B..



Caution: During assembling, ensure that earth plate is bended flat against the Main P.C.B. properly when inserted to locators.

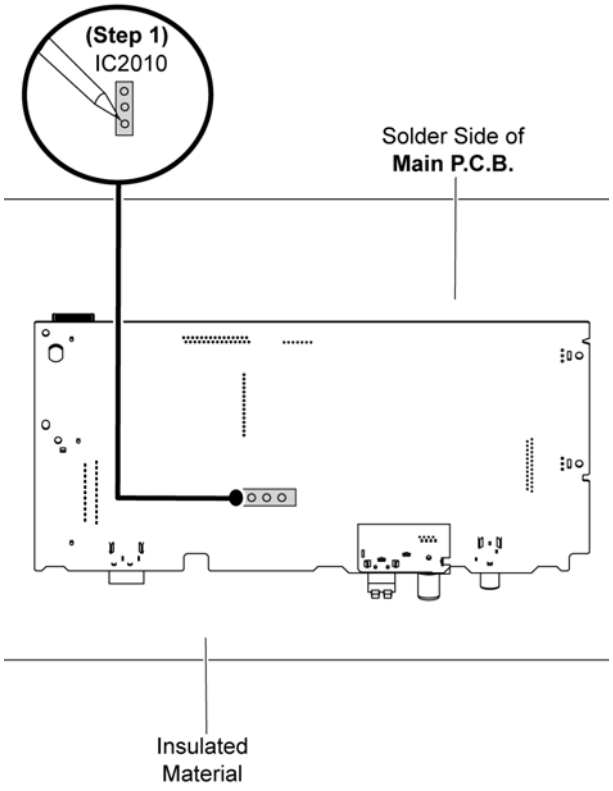


11.12. Replacement of Voltage Regulator IC (IC2010)

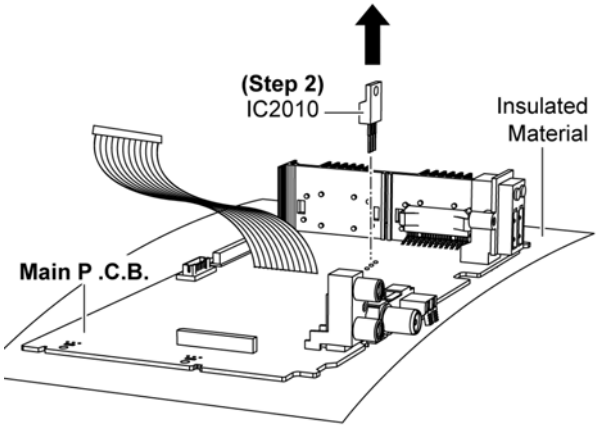
- **Refer to "Disassembly of Main P.C.B.".**

11.12.1. Disassembly of Voltage Regulator IC (IC2010)

Step 1 Desolder pins of the Voltage Regulator IC (IC2010) on the solder side of the Main P.C.B..



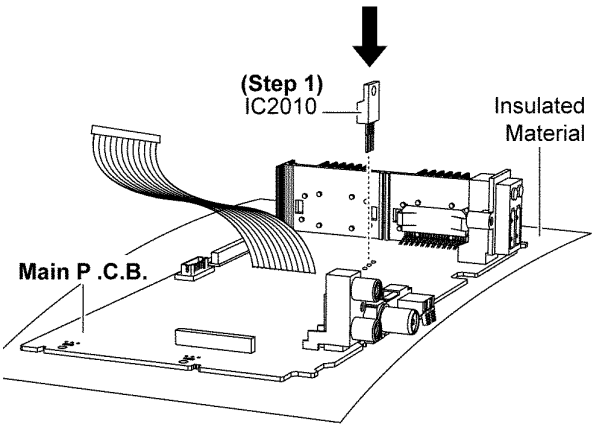
Step 2 Remove the Voltage Regulator IC (IC2010) from the Main P.C.B..



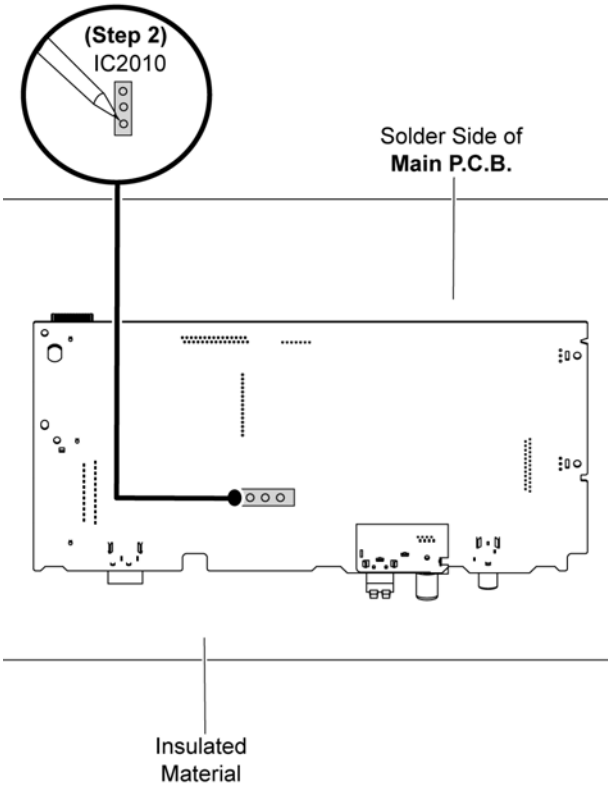
11.12.2. Assembly of Voltage Regulator IC (IC2010)

Step 1 Fix the Voltage Regulator IC(IC2010) on Main P.C.B..

Caution: Ensure pins of the Voltage Regulator IC (IC2010) are properly seated on Main P.C.B..



Step 2 Solder pins of the Voltage Regulator IC (IC2010) on the solder side of Main P.C.B..

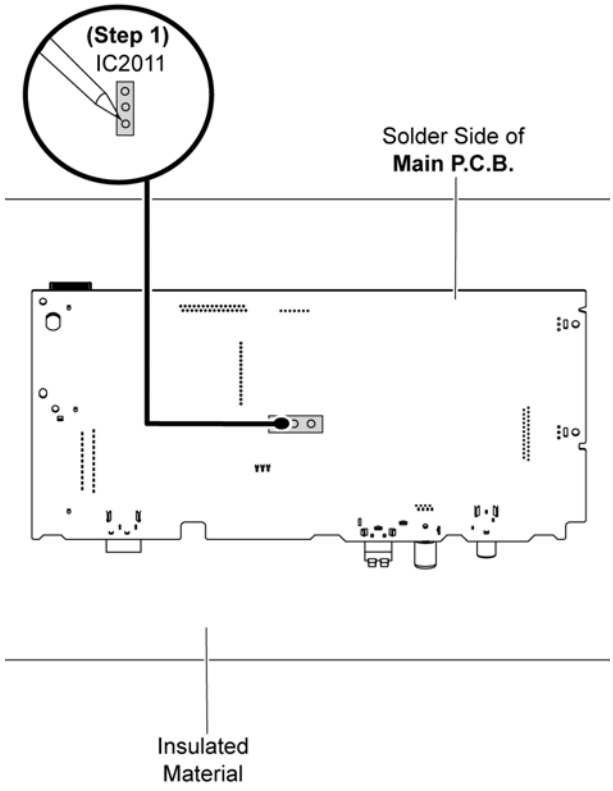


11.13. Replacement of Voltage Regulator IC (IC2011)

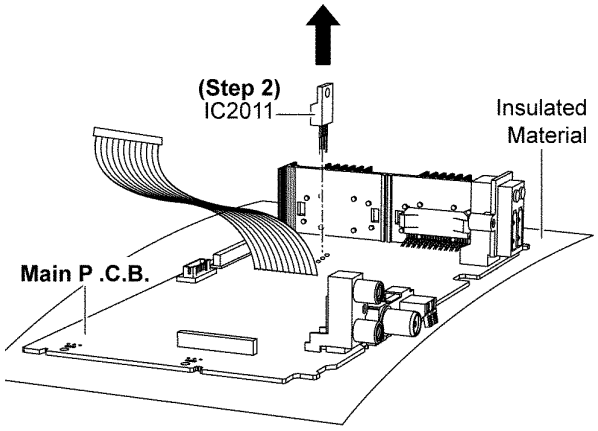
- **Refer to "Disassembly of Main P.C.B.".**

11.13.1. Disassembly of Voltage Regulator IC (IC2011)

Step 1 Desolder pins of the Voltage Regulator IC (IC2011) on the solder side of the Main P.C.B..



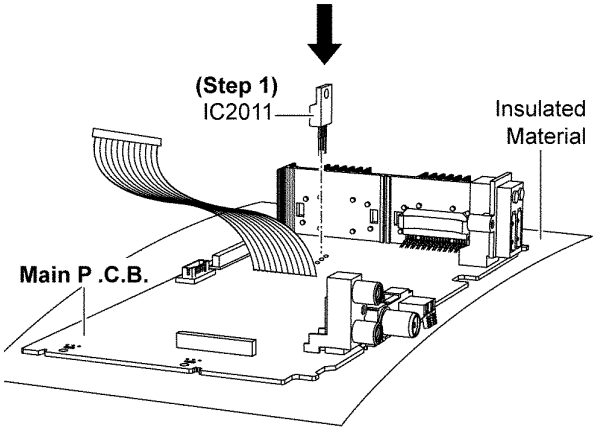
Step 2 Remove the Voltage Regulator IC (IC2011) from the Main P.C.B..



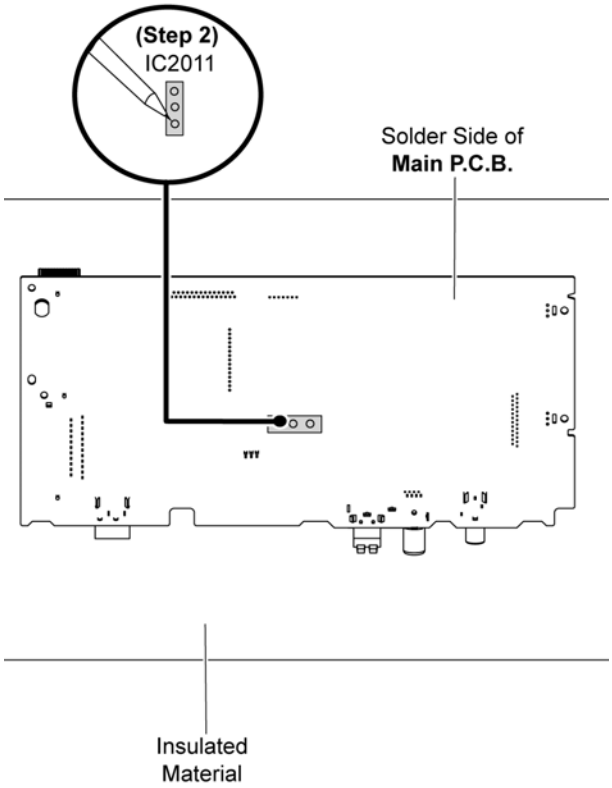
11.13.2. Assembly of Voltage Regulator IC (IC2011)

Step 1 Fix the Voltage Regulator IC(IC2011) on the Main P.C.B..

Caution: Ensure pins of the Voltage Regulator IC (IC2011) are properly seated on the Main P.C.B..



Step 2 Solder pins of the Voltage Regulator IC (IC2011) on the solder side of the Main P.C.B..

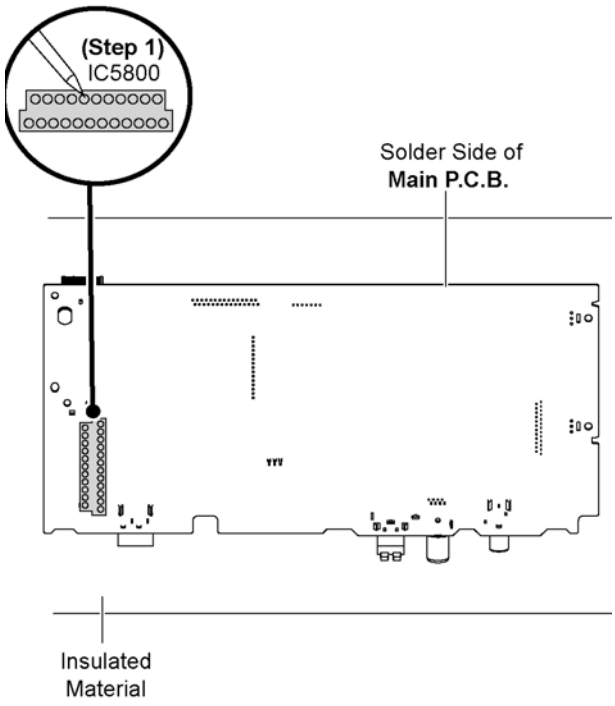


11.14. Replacement of Audio Digital Amp IC (IC5800)

- **Refer to "Disassembly of Main P.C.B.".**

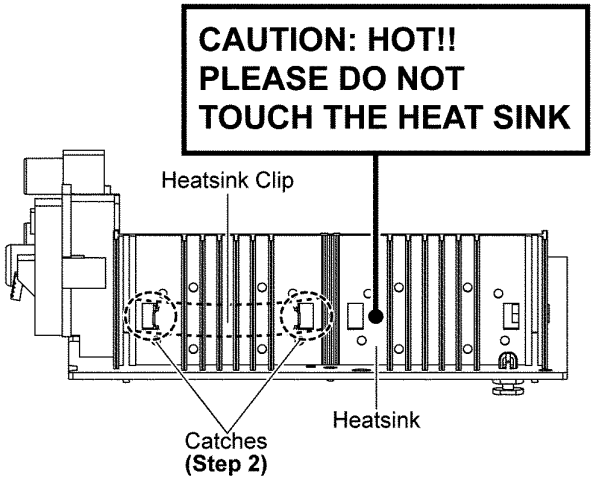
11.14.1. Disassembly of Audio Digital Amp IC (IC5800)

Step 1 Desolder pins of the Audio Digital Amp IC (IC5800) on the solder side of the Main P.C.B..



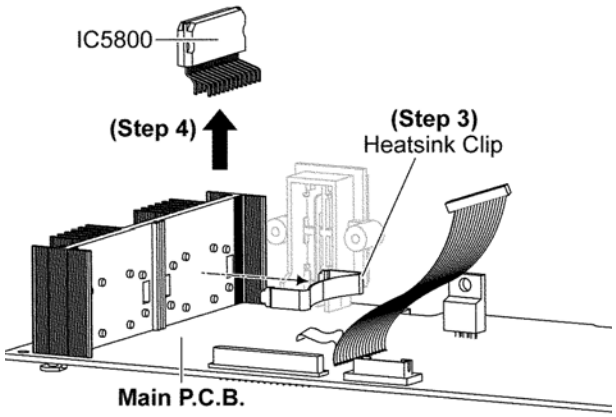
Step 2 Release 2 catches of Heatsink Clip.

Caution: During releasing of 2 catches, avoid touching the Heatsink, due to high temperature.



Step 3 Remove the Heatsink Clip.

Step 4 Remove the Audio Digital Amp IC (IC5800).



11.14.2. Assembly of Audio Digital Amp IC (IC5800)

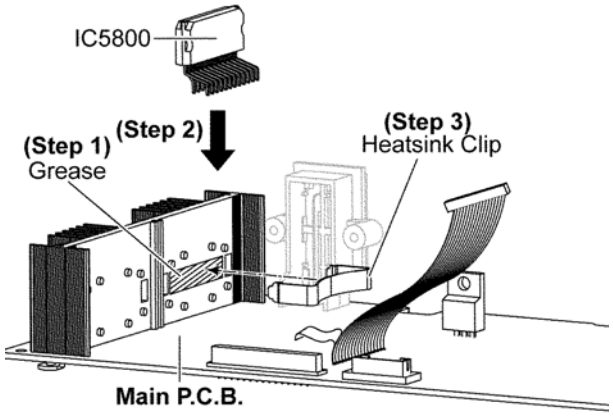
Step 1 Apply grease to the Heatsink.

Step 2 Fix the Audio Digital Amp IC (IC5800) on the Main P.C.B.

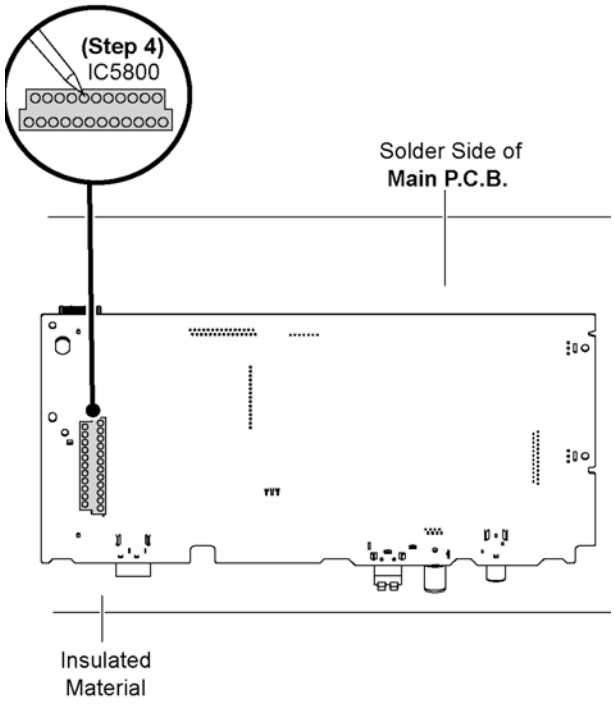
Caution: Ensure pins of the Audio Digital Amp IC (IC5800) are properly seated on the Main P.C.B.

Step 3 Fix Heatsink Clip to the Heatsink.

Caution: During assembling, ensure that Heatsink Clip is catched onto Heatsink properly.



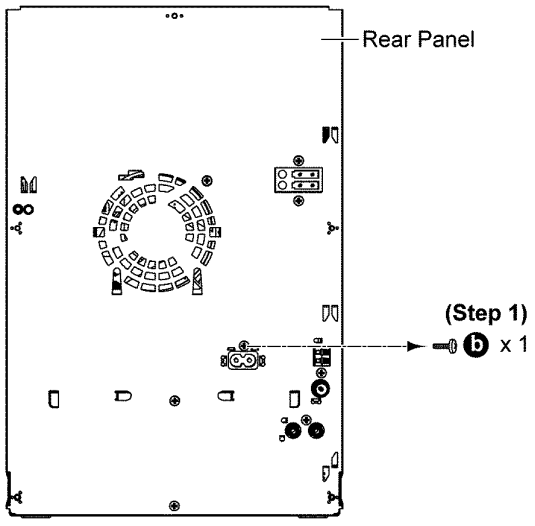
Step 4 Solder pins of the Audio Digital Amp IC (IC5800) on the solder side of the Main P.C.B..



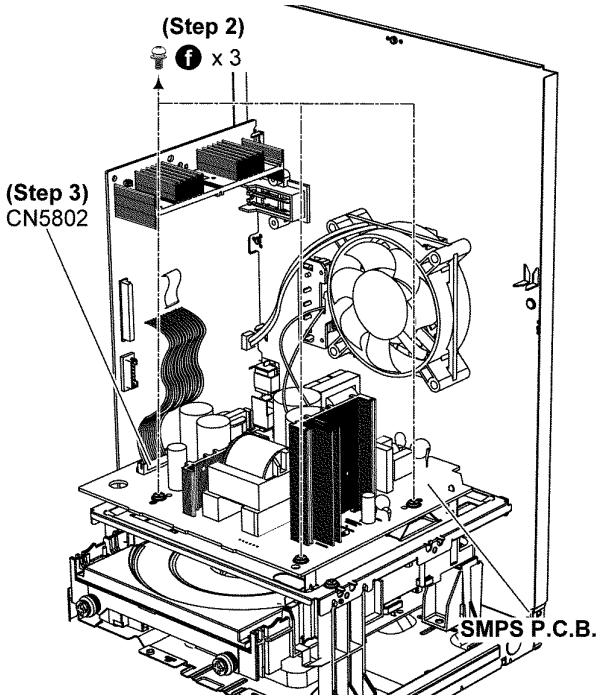
11.15. Disassembly of SMPS P.C.B.

- **Refer to "Disassembly of Top Cabinet.".**
- **Refer to "Disassembly of Front Panel Unit".**

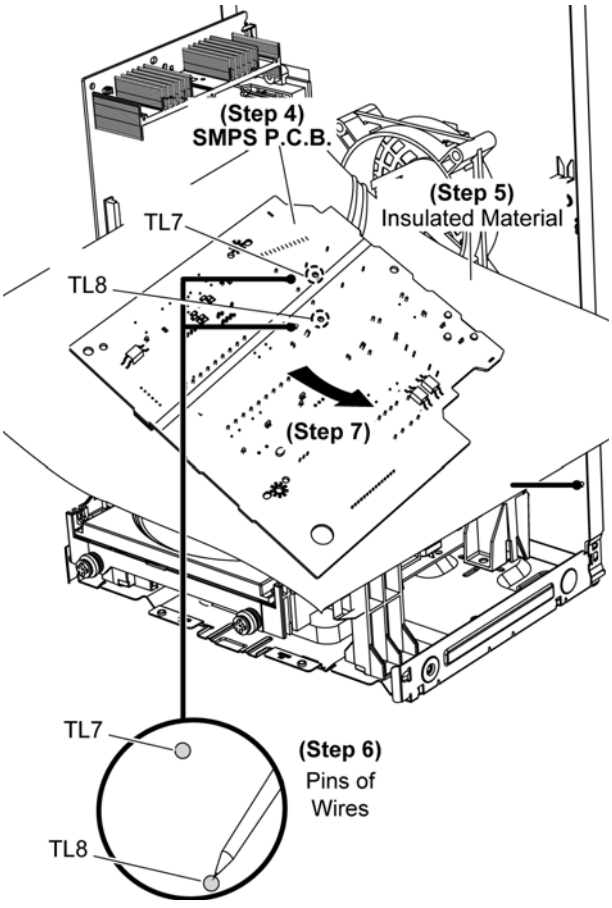
Step 1 Remove 1 screw.



Step 2 Remove 3 screws.
Step 3 Detach 15P Cable Wire at the connector (CN5802) on SMPS P.C.B..



Step 4 Flip the SMPS P.C.B. and position it according to diagram shown.
Step 5 Place the SMPS P.C.B. on an insulated material.
Step 6 Desolder Black Wire (TL7) and Red Wire TL8 (Red).
Step 7 Remove the SMPS P.C.B..

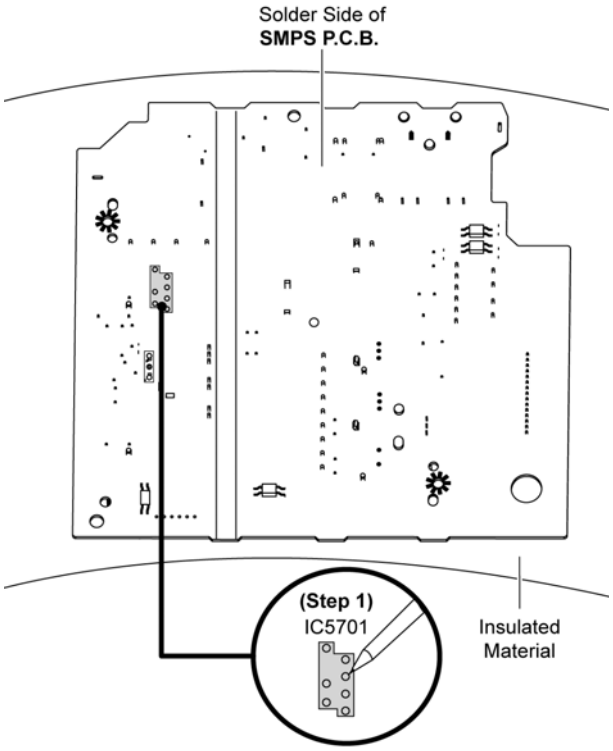


11.16. Replacement of Switching Regulator IC (IC5701)

- **Refer to "Disassembly of SMPS P.C.B.".**

11.16.1. Disassembly of Switching Regulator IC (IC5701)

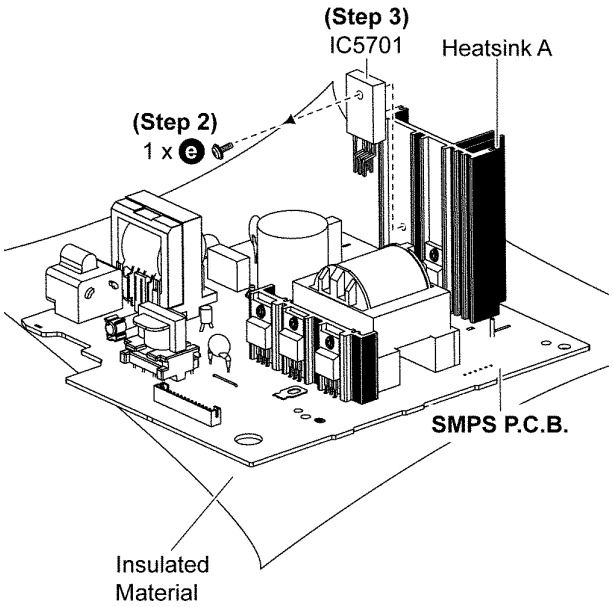
Step 1 Desolder pins of the Switching Regulator IC (IC5701) on the solder side of the SMPS P.C.B..



Step 2 Remove 1 screw.

Step 3 Remove the Switching Regulator IC (IC5701).

Caution: Avoid touching the Heatsink A due to its high temperature after prolonged use. Touching it may lead to injuries.



11.16.2. Assembly of Switching Regulator IC (IC5701)

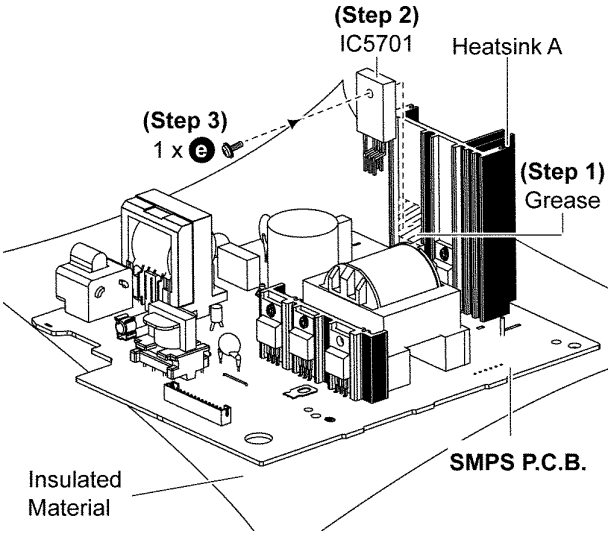
Step 1 Apply grease to the Heatsink A.

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

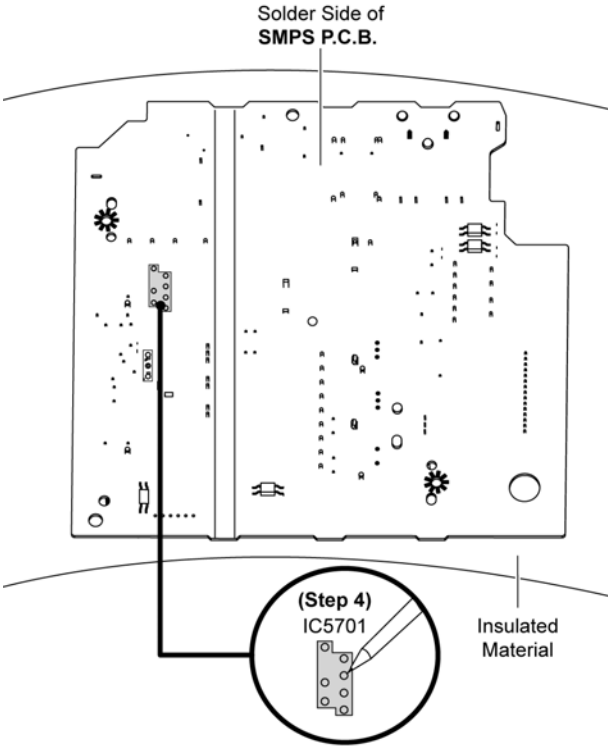
Caution: Ensure pins of the Switching Regulator IC (IC5701) are properly inserted on SMPS P.C.B..

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

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



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

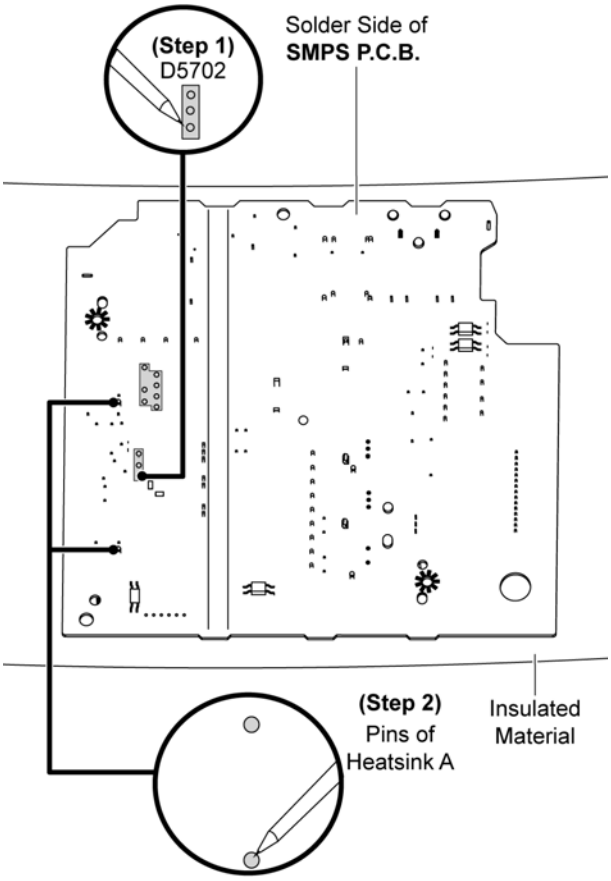


11.17. Replacement of Rectifier Diode (D5702)

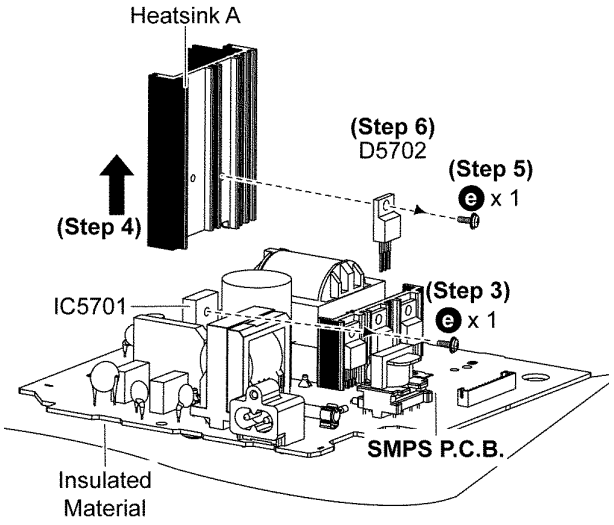
- **Refer to "Disassembly of SMPS P.C.B.".**

11.17.1. Disassembly of Rectifier Diode (D5702)

Step 1 Desolder pins of the Rectifier Diode (D5702) on the solder side of the SMPS P.C.B.
Step 2 Desolder pins of the Heatsink A.

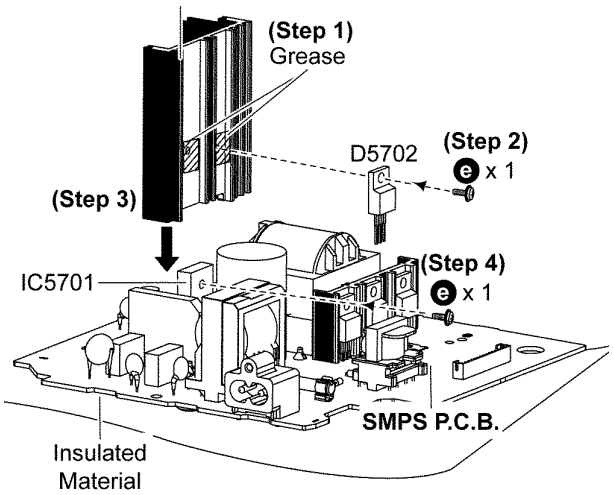


Step 3 Remove 1 screw at Switching Regulator IC (IC5701).
Step 4 Remove the Heatsink A with Rectifier Diode (D5702).
Step 5 Remove 1 screw.
Step 6 Remove the Rectifier Diode (D5702) from the Heatsink A.
Caution: Avoid touching the Heatsink A due to its high temperature after prolong use. Touching it may lead to injuries.



11.17.2. Assembly of Rectifier Diode (D5702)

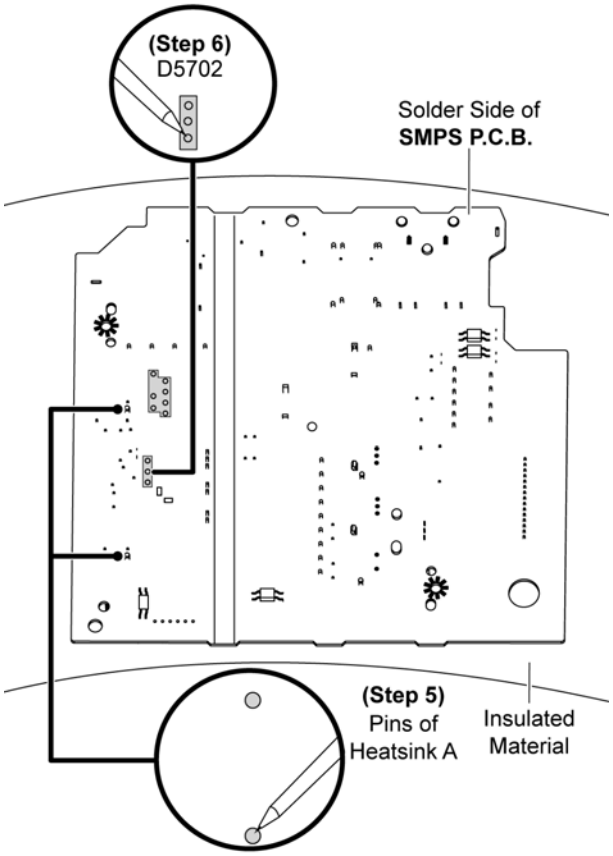
Step 1 Apply grease to the Heatsink A.
Step 2 Screw the Rectifier Diode (D5702) to the Heatsink A.
Caution: Ensure the Rectifier Diode (D5702) is tightly screwed to the Heatsink A.
Step 3 Fix the Heatsink A with Rectifier Diode (D5702) on the SMPS P.C.B. as shown.
Caution: Ensure the Heatsink A with Rectifier Diode (D5702) are properly seated on the SMPS P.C.B.
Step 4 Screw the Switching Regulator IC (IC5701) to the Heatsink A.
Caution: Ensure that the Switching Regulator IC (IC5701) is tightly screwed to the Heatsink A.



Step 5 Solder pins of the Rectifier Diode (D5702) on the solder side of SMPS P.C.B..

Step 6 Solder pins of the Heatsink A on the solder side of SMPS P.C.B..

Caution: Ensure pins of the Rectifier Diode (D5702) are properly seated and soldered on the SMPS P.C.B..



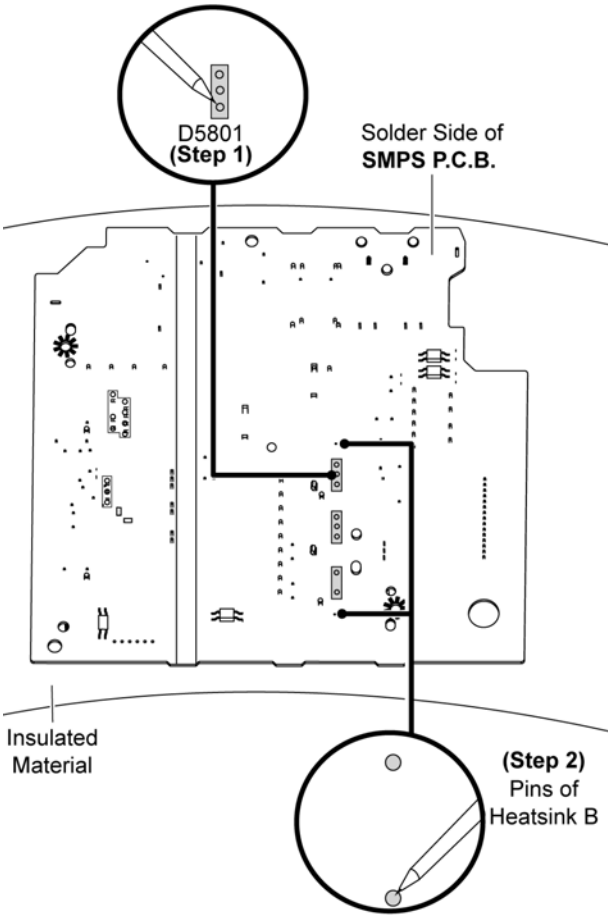
11.18. Replacement of Rectifier Diode (D5801)

- **Refer to "Disassembly of SMPS P.C.B.".**

11.18.1. Disassembly of Rectifier Diode (D5801)

Step 1 Desolder pins of the Rectifier Diode (D5801) on the solder side of SMPS P.C.B.

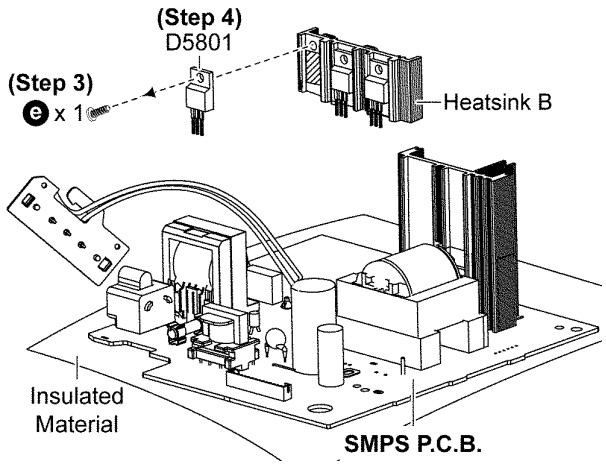
Step 2 Desolder pins of the Heatsink B.



Step 3 Remove 1 screw at Rectifier Diode (D5801).

Step 4 Remove the Rectifier Diode (D5801) from the SMPS P.C.B..

Caution: Avoid touching the Heatsink B due to its high temperature after prolonged use. Touching it may lead to injuries.



11.18.2. Assembly of Rectifier Diode (D5801)

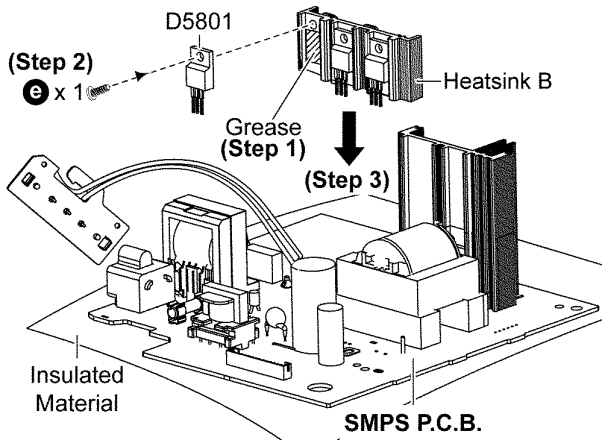
Step 1 Apply grease to the Heatsink B.

Step 2 Screw the Rectifier Diode (D5801) to the Heatsink B.

Caution: Ensure the Rectifier Diode (D5801) is tightly screwed to the Heatsink B.

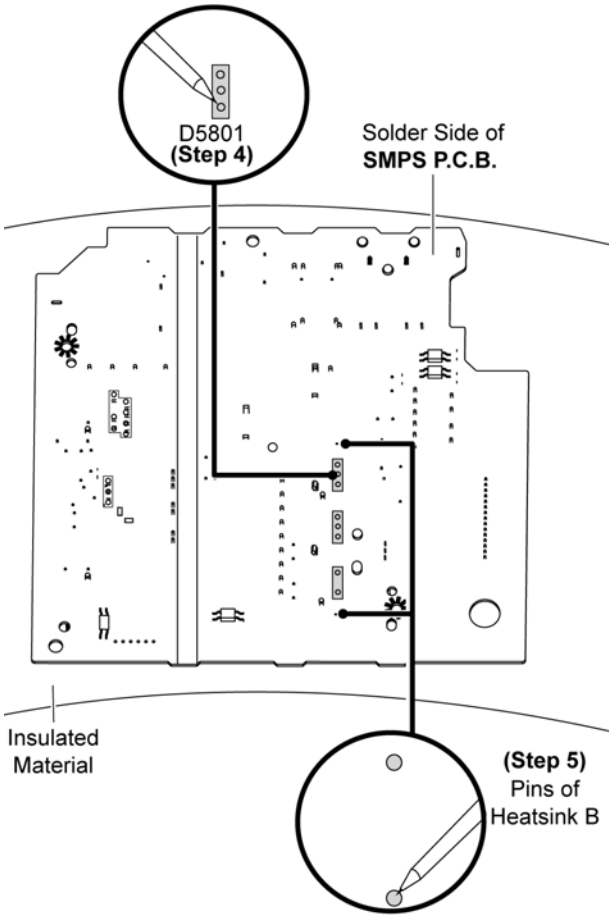
Step 3 Fix the Heatsink B with Rectifier Diode (D5801) on SMPS P.C.B. as shown.

Caution: Ensure pins of the Rectifier Diode (D5801) is properly seated on the SMPS P.C.B.



Step 4 Solder pins of the Rectifier Diode (D5801) on the solder side of SMPS P.C.B..

Step 5 Solder pins of the Heatsink B..



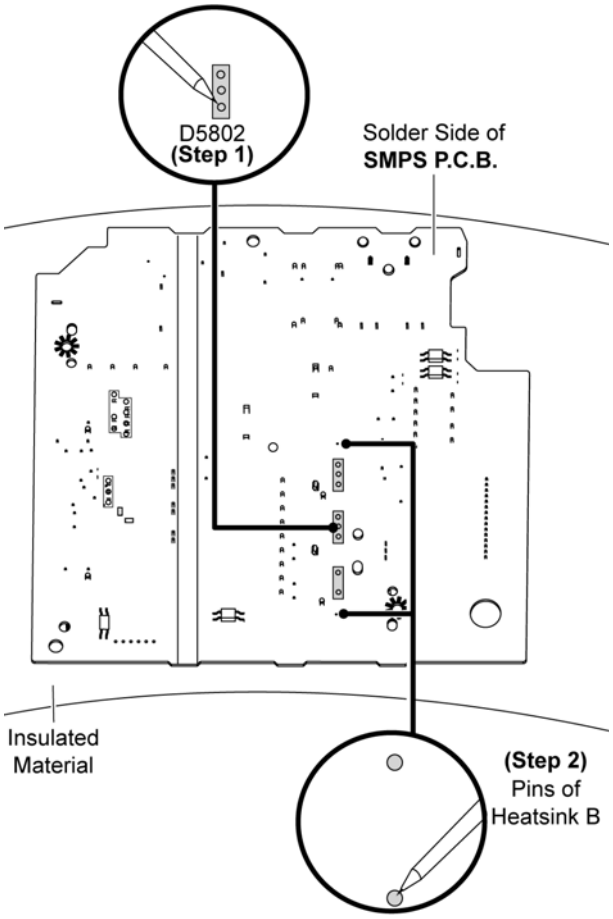
11.19. Replacement of Rectifier Diode (D5802)

- **Refer to "Disassembly of SMPS P.C.B.".**

11.19.1. Disassembly of Rectifier Diode (D5802)

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

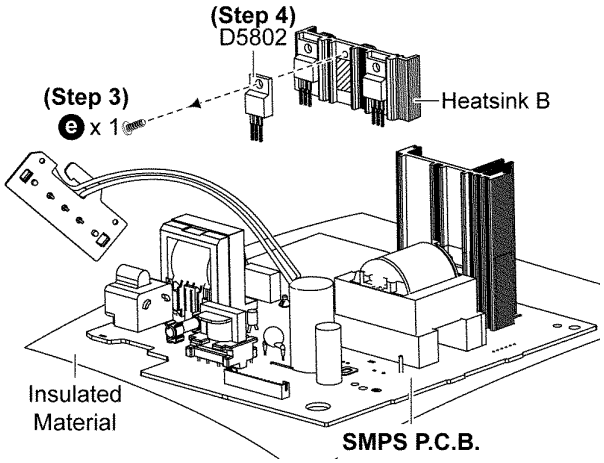
Step 2 Desolder pins of the Heatsink B.



Step 3 Remove 1 screw at Rectifier Diode (D5802).

Step 4 Remove the Rectifier Diode (D5802) from SMPS P.C.B..

Caution: Avoid touching the Heatsink B due to its high temperature after prolong use. Touching it may lead to injuries.



11.19.2. Assembly of Rectifier Diode (D5802)

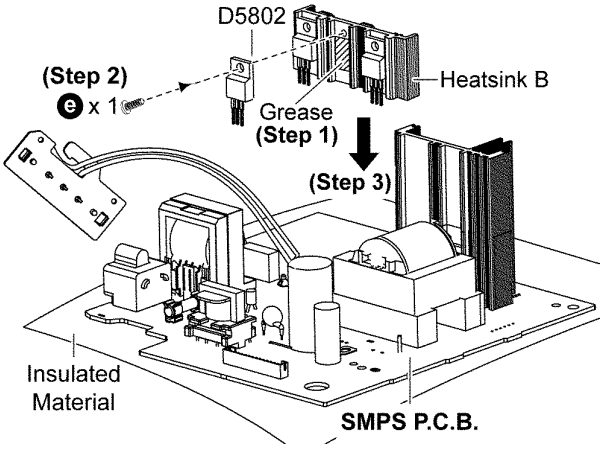
Step 1 Apply grease to the Heatsink B.

Step 2 Screw the Rectifier Diode (D5802) to the Heatsink B.

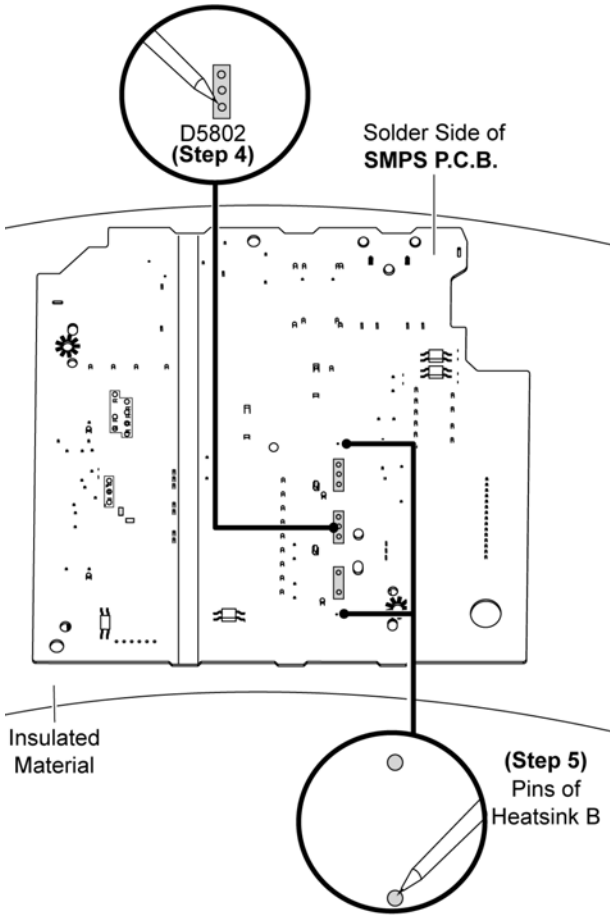
Caution: Ensure the Rectifier Diode (D5802) is tightly screwed to the Heatsink B.

Step 3 Fix the Heatsink B with Rectifier Diode (D5802) on SMPS P.C.B. as shown.

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



Step 4 Solder pins of the Rectifier Diode (D5802) on the solder side of the SMPS P.C.B..
Step 5 Solder pins of the Heatsink B..

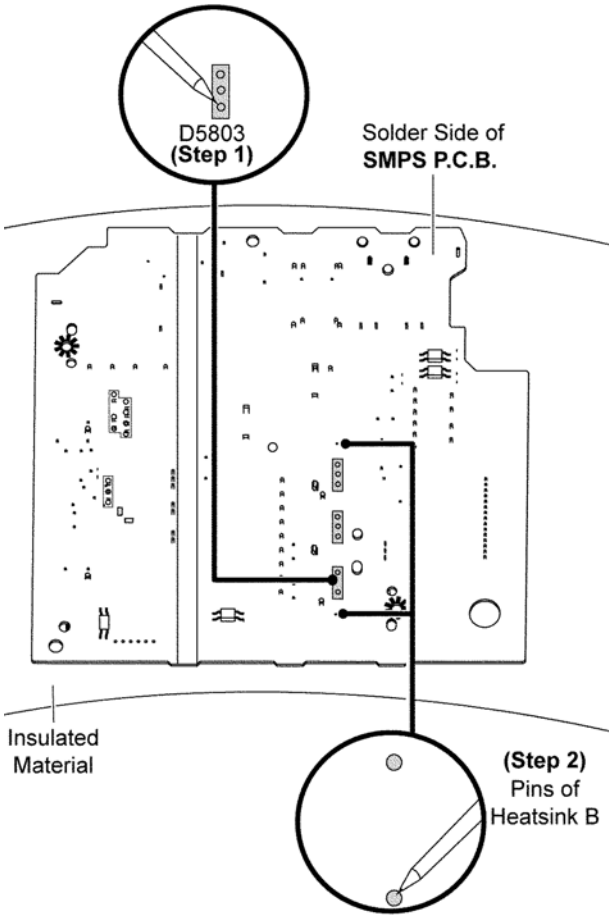


11.20. Replacement of Regulator Diode (D5803)

- **Refer to "Disassembly of SMPS P.C.B.".**

11.20.1. Disassembly of Rectifier Diode (D5803)

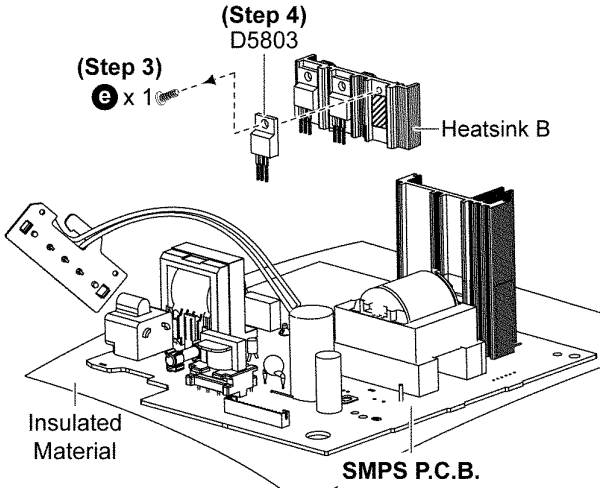
Step 1 Desolder pins of the Rectifier Diode (D5803) on the solder side of the SMPS P.C.B.
Step 2 Desolder pins of the Heatsink B.



Step 3 Remove 1 screw at Rectifier Diode (D5803).

Step 4 Remove the Rectifier Diode (D5803) from SMPS P.C.B..

Caution: Avoid touching the Heatsink B due to its high temperature after prolonged use. Touching it may lead to injuries.



11.20.2. Assembly of Rectifier Diode (D5803)

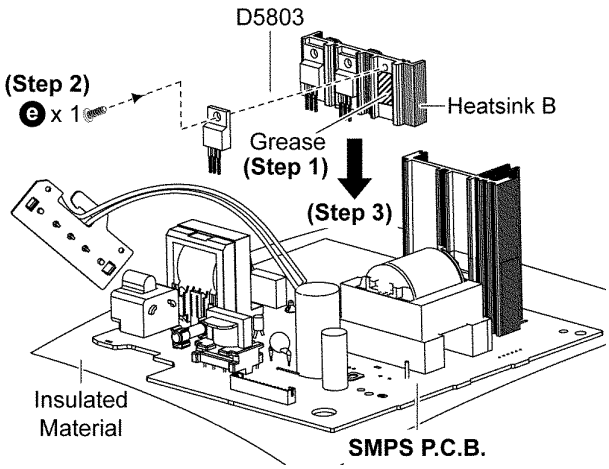
Step 1 Apply grease to the Heatsink B.

Step 2 Screw the Rectifier diode (D5803) to the Heatsink B.

Caution: Ensure the Rectifier Diode (D5803) is tightly screwed to the Heatsink B.

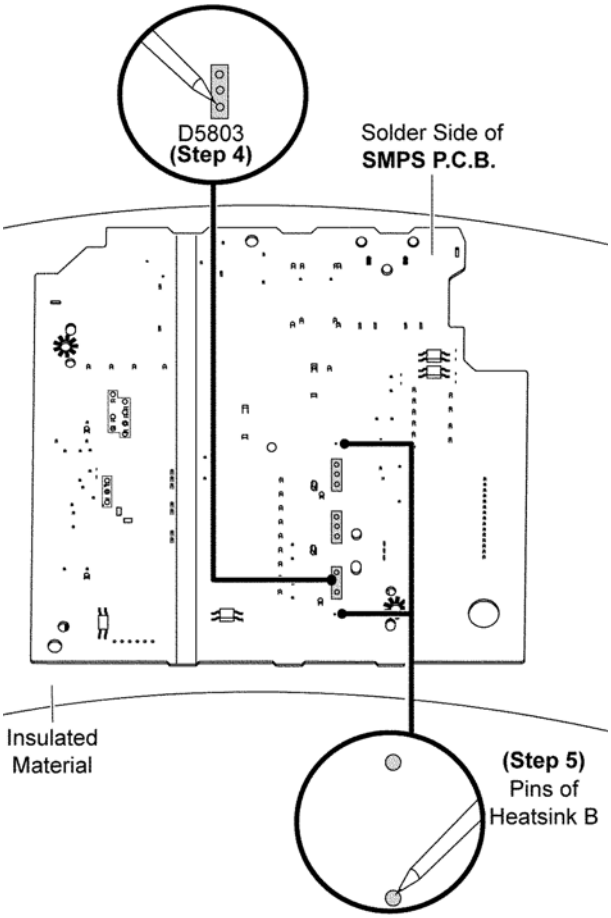
Step 3 Fix Heatsink B with Rectifier Diode (D5803) on SMPS P.C.B.

Caution: Ensure pins of the Rectifier Diode (D5803) are properly seated on SMPS P.C.B.



Step 4 Solder pins of the Rectifier Diode (D5803) on the solder side of the SMPS P.C.B.

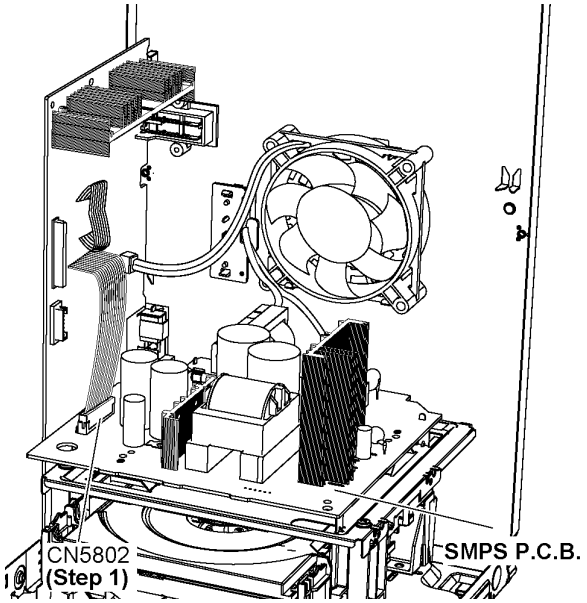
Step 5 Solder pins of the Heatsink B..



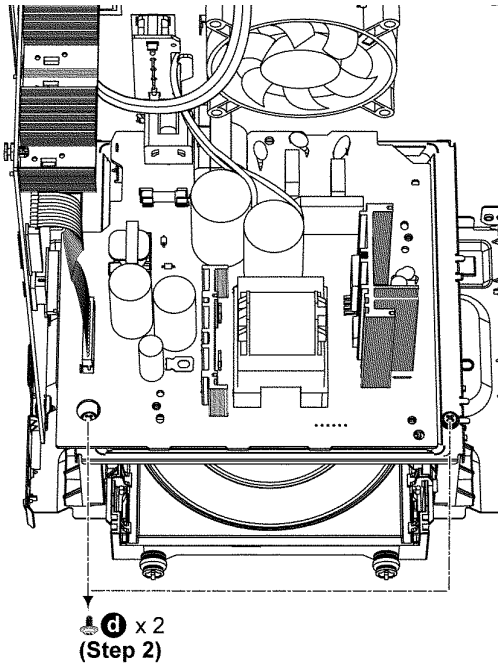
11.21. Disassembly of CD Mechanism Unit (BRS11C)

- **Refer to "Disassembly of Top Cabinet".**
- **Refer to "Disassembly of Front Panel Unit".**

Step 1 Detach 15P Cable Wire at the connector (CN5802) on the SMPS P.C.B..

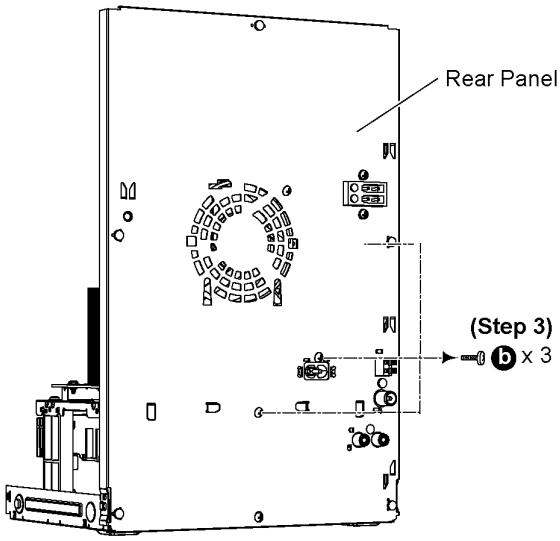


Step 2 Remove 2 screws.

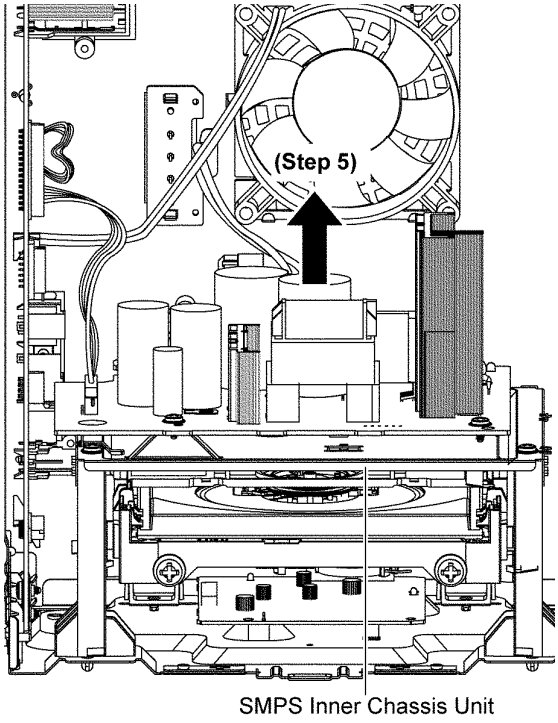


Step 3 Remove 3 screws.

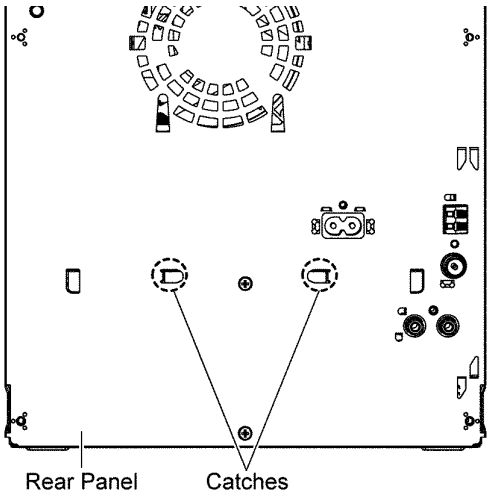
.



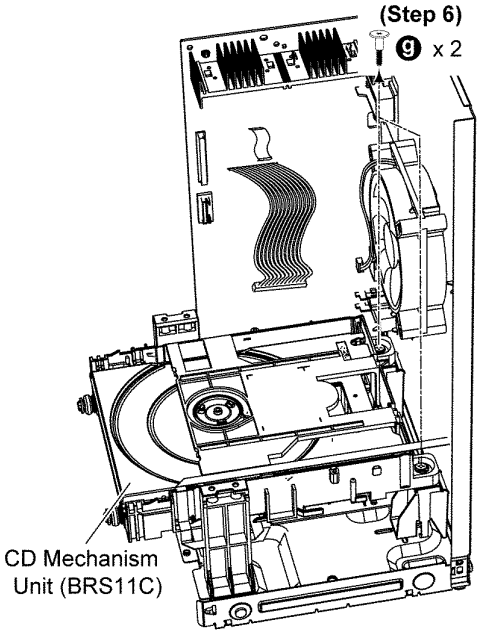
Step 5 Lift up and remove the SMPS Inner Chassis Unit.



Caution: During assembling, ensure that the SMPS Inner Chassis is catched onto the Rear Panel properly.



Step 6 Remove 2 screws.



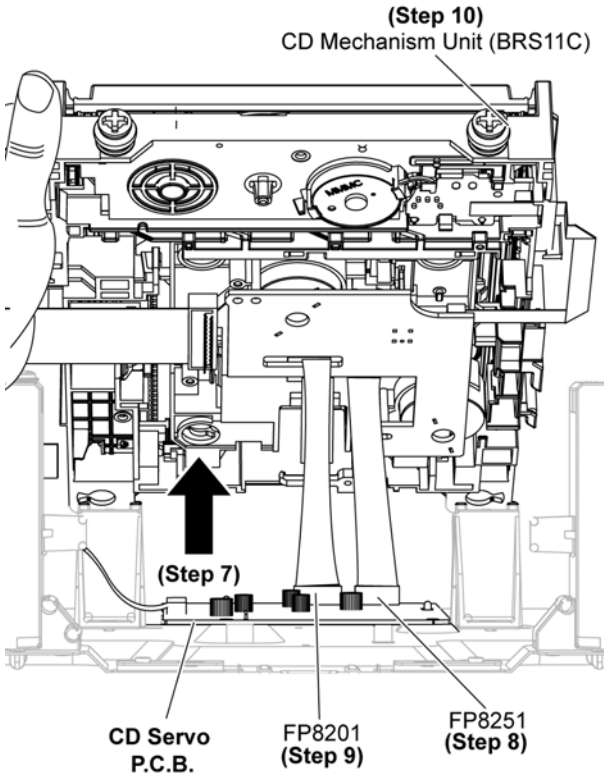
Step 7 Slightly lift up the CD Mechanism Unit (BRS11C) as shown.

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

Step 8 Detach 10P FFC at the connector (FP8251) on CD Servo P.C.B..

Step 9 Detach 24P FFC at the connector (FP8201) on CD Servo P.C.B..

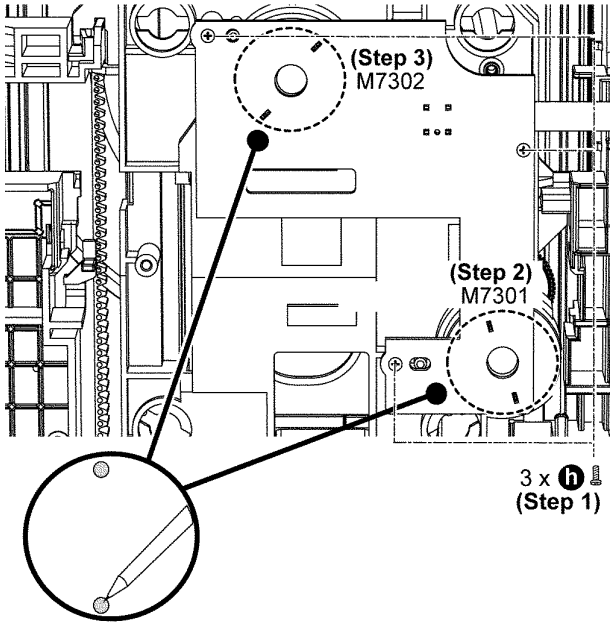
Step 10 Remove the CD Mechanism Unit (BRS11C).



11.22. Disassembly of CD Interface P.C.B.

- **Refer to "Disassembly of CD Mechanism Unit (BRS11C)".**

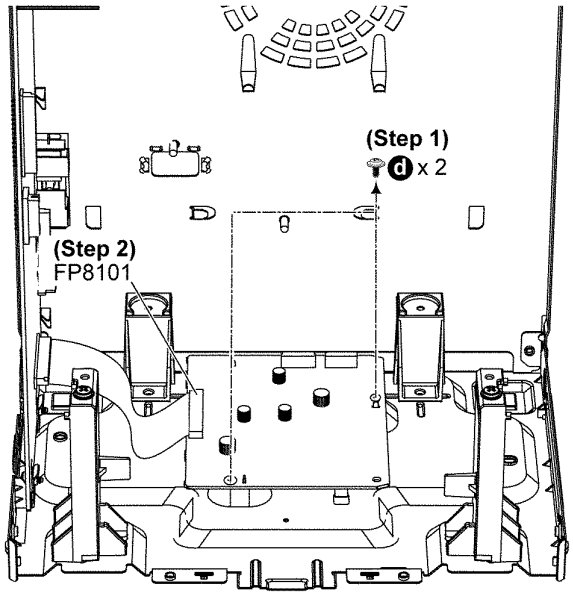
Step 1 Remove 3 screws.
Step 2 Desolder pins of the motor (M7301).
Step 3 Desolder pins of the motor (M7302).



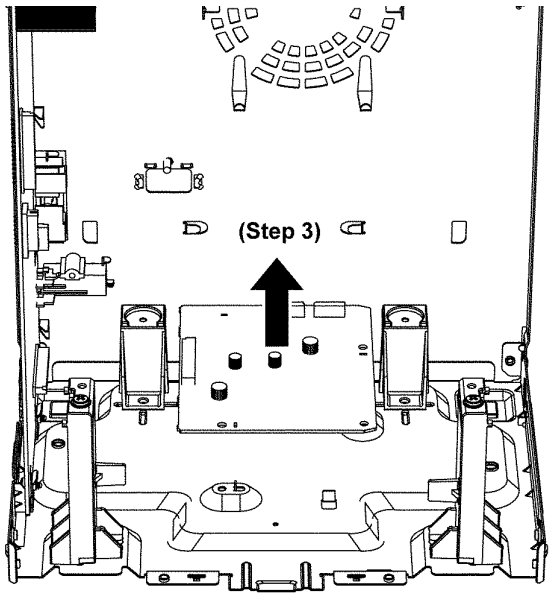
11.23. Disassembly of CD Servo P.C.B.

- **Refer to "Disassembly of CD Mechanism Unit (BRS11C)".**

Step 1 Remove 2 screws.
Step 2 Detach 30P FFC at the connector (FP8101).



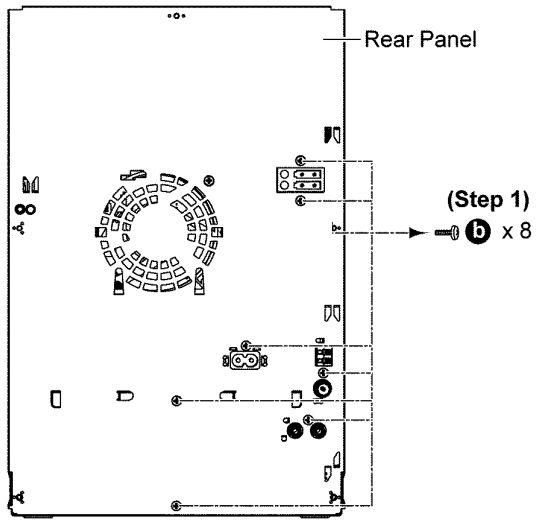
Step 3 Remove the CD Servo P.C.B..



11.24. Disassembly of Rear Panel

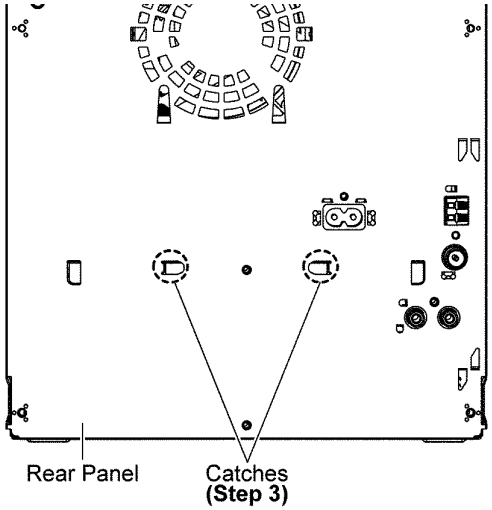
- **Refer to “Disassembly of Top Cabinet”.**

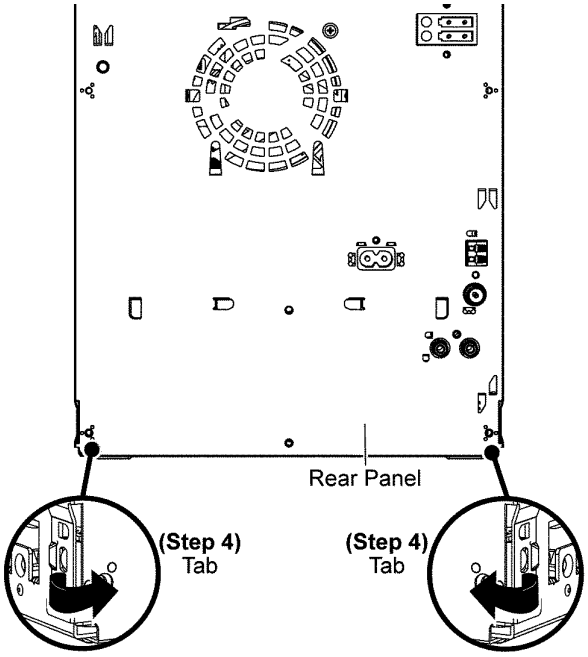
Step 1 Remove 7 screws.



Step 4 Release 2 tabs.

Step 5 Remove the Rear Panel.



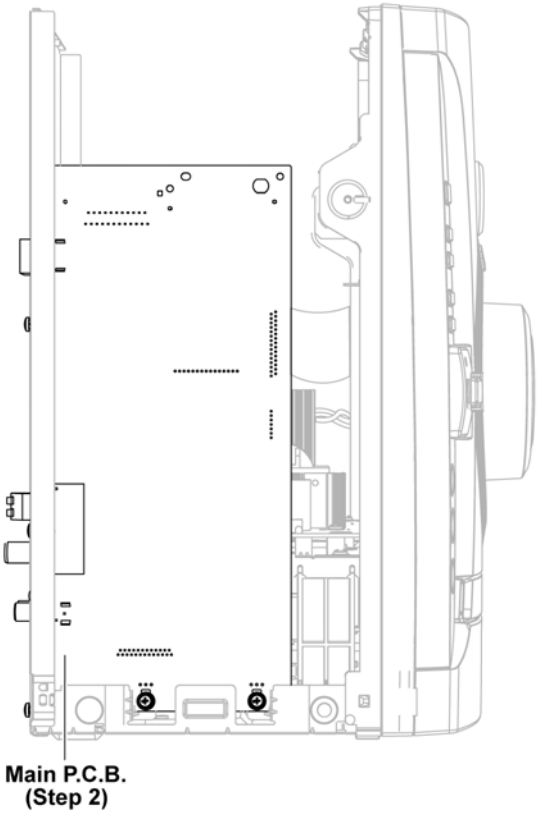


12 Service Position

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

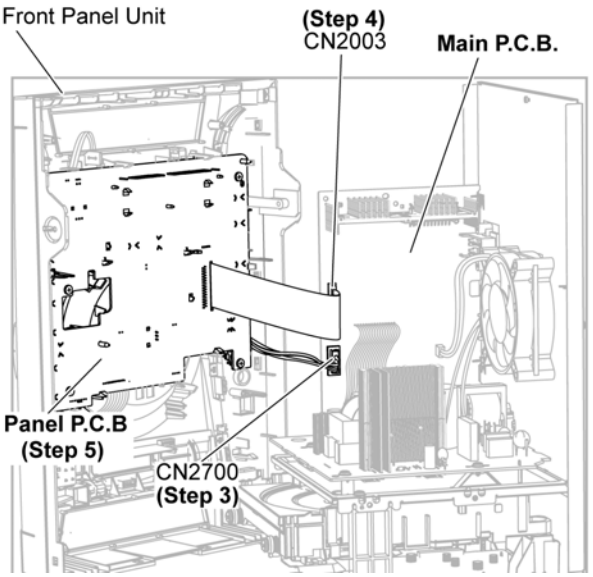
12.1. Checking and Repairing of Main P.C.B.

Step 1 Remove Top Cabinet.
Step 2 Main P.C.B. can be checked & repaired at its original position.



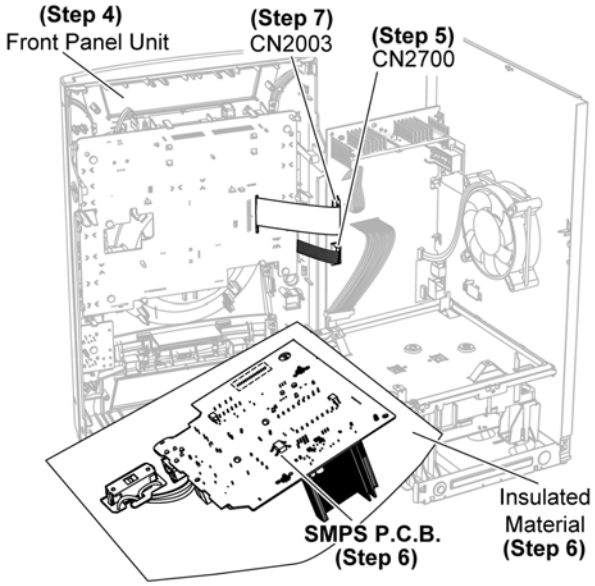
12.2. Checking and Repairing of Panel P.C.B.

Step 1 Remove Top Cabinet.
Step 2 Remove Front Panel Unit.
Step 3 Attach 5P Cable Wire to the connector (CN2700) on Main P.C.B..
Step 4 Attach 27P FFC to the connector (CN2003) on Main P.C.B..
Step 5 Panel P.C.B. can be checked and repaired as diagram shown.

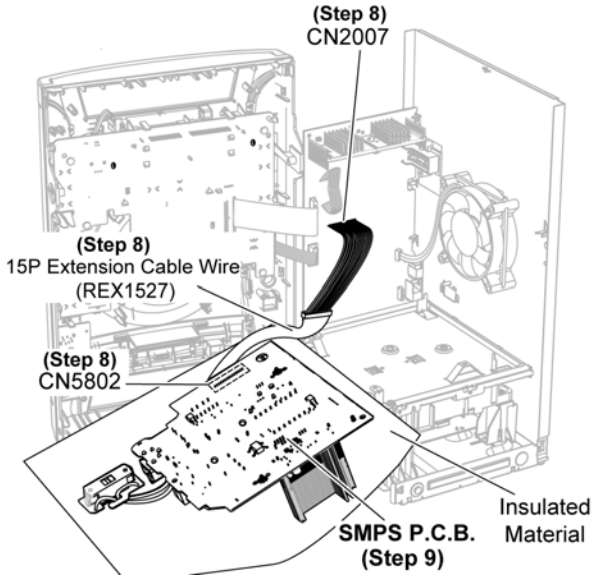


12.3. Checking and Repairing of SMPS P.C.B.

Step 1 Remove Top Cabinet.
Step 2 Remove Front Panel Unit.
Step 3 Remove SMPS P.C.B..
Step 4 Place the Front Panel Unit as diagram shown.
Step 5 Attach 5P Cable Wire to the connector (CN2700) on Main P.C.B..
Step 6 Place the SMPS P.C.B. on the insulated material.
Step 7 Attach 27P FFC to the connector (CN2003) on Main P.C.B..

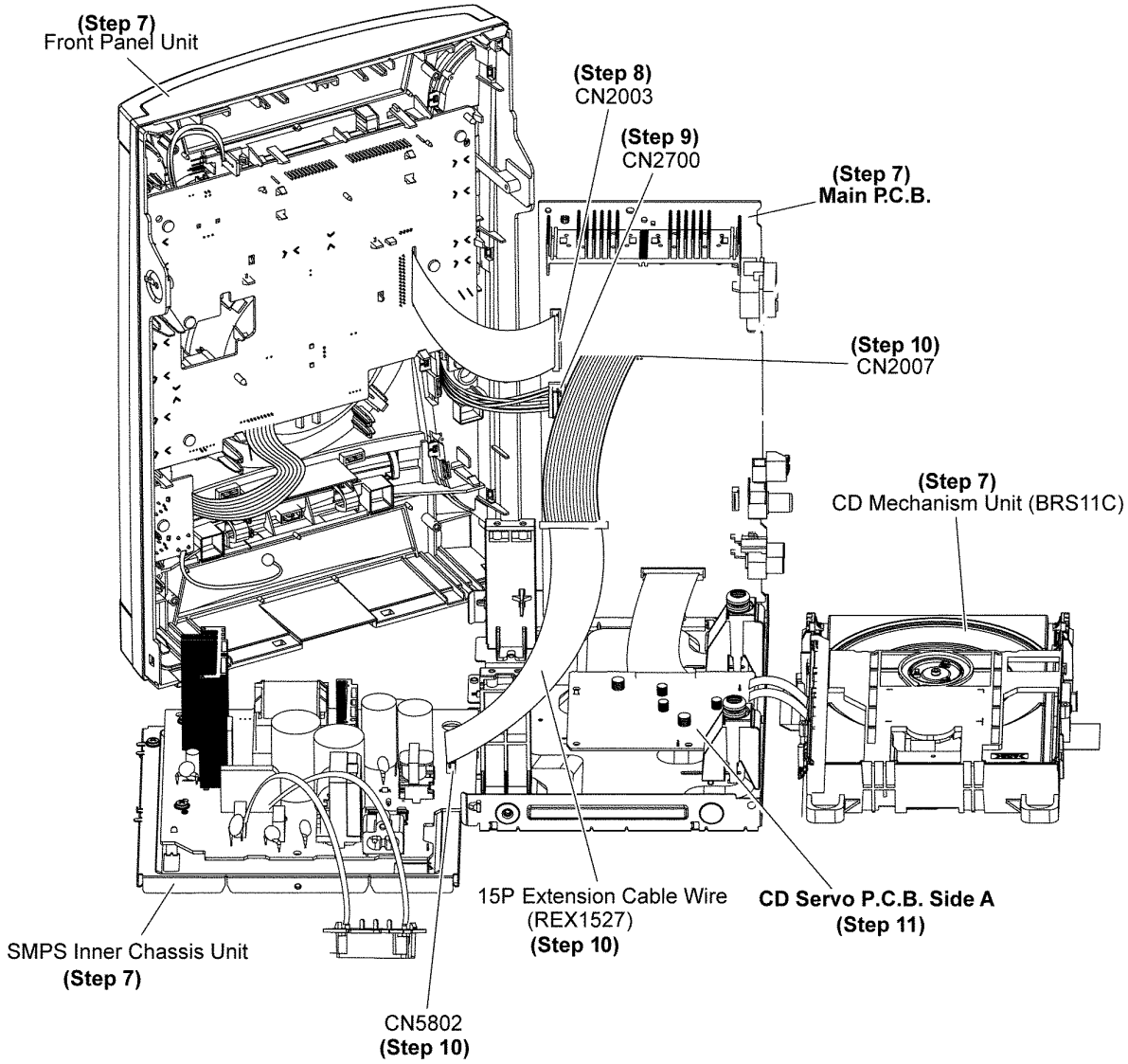


Step 8 Extend the Cable Wire with extension Cable Wire (REX1572 15P Cable Wire) from CN2007 on Main P.C.B. to CN5802 on SMPS P.C.B..
Step 9 SMPS P.C.B. can be checked and repaired as diagram shown.



12.4. Checking and Repairing of CD Servo P.C.B. (Side A)

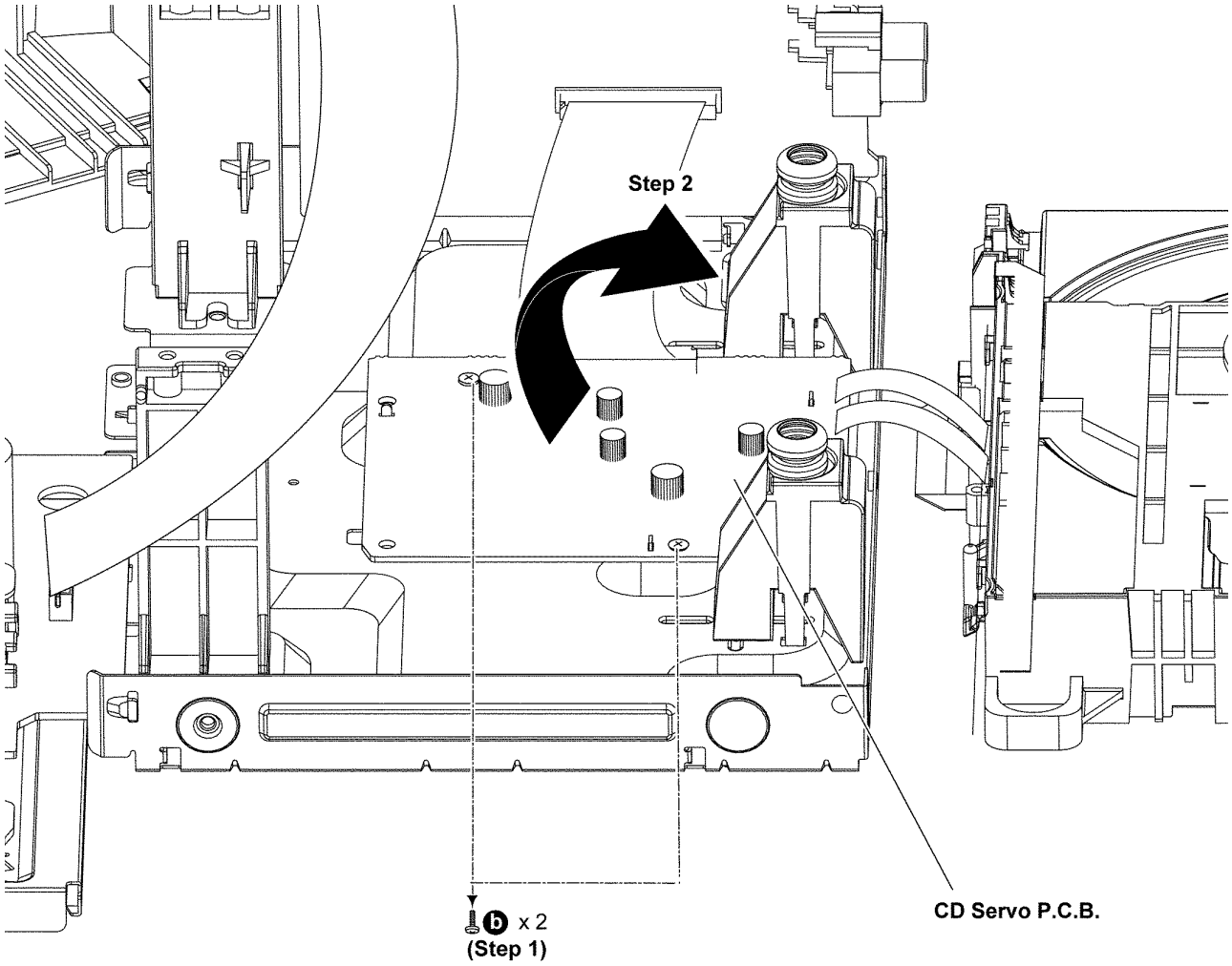
Step 1 Remove Top Cabinet.
Step 2 Remove Front Panel Unit.
Step 3 Remove SMPS Inner Chassis Unit.
Step 4 Remove CD Mechanism Unit (BRS11C).
Step 5 Remove Main P.C.B..
Step 6 Remove Rear Panel.
Step 7 Place the Front Panel Unit, SMPS Inner Chassis Unit, CD Mechanism Unit (BRS11C), Main P.C.B as diagram shown.
Step 8 Attach 27P FFC to the connector (CN2003) on Main P.C.B..
Step 9 Attach 5P FFC to the connector (CN2700) on Main P.C.B..
Step 10 Extend the Cable Wire with extension Cable Wire (REX1527 15P Cable Wire) from CN2007 on Main P.C.B. to CN5802 on SMPS P.C.B..
Step 11 CD Servo P.C.B. Side A can be checked and repaired as diagram shown.



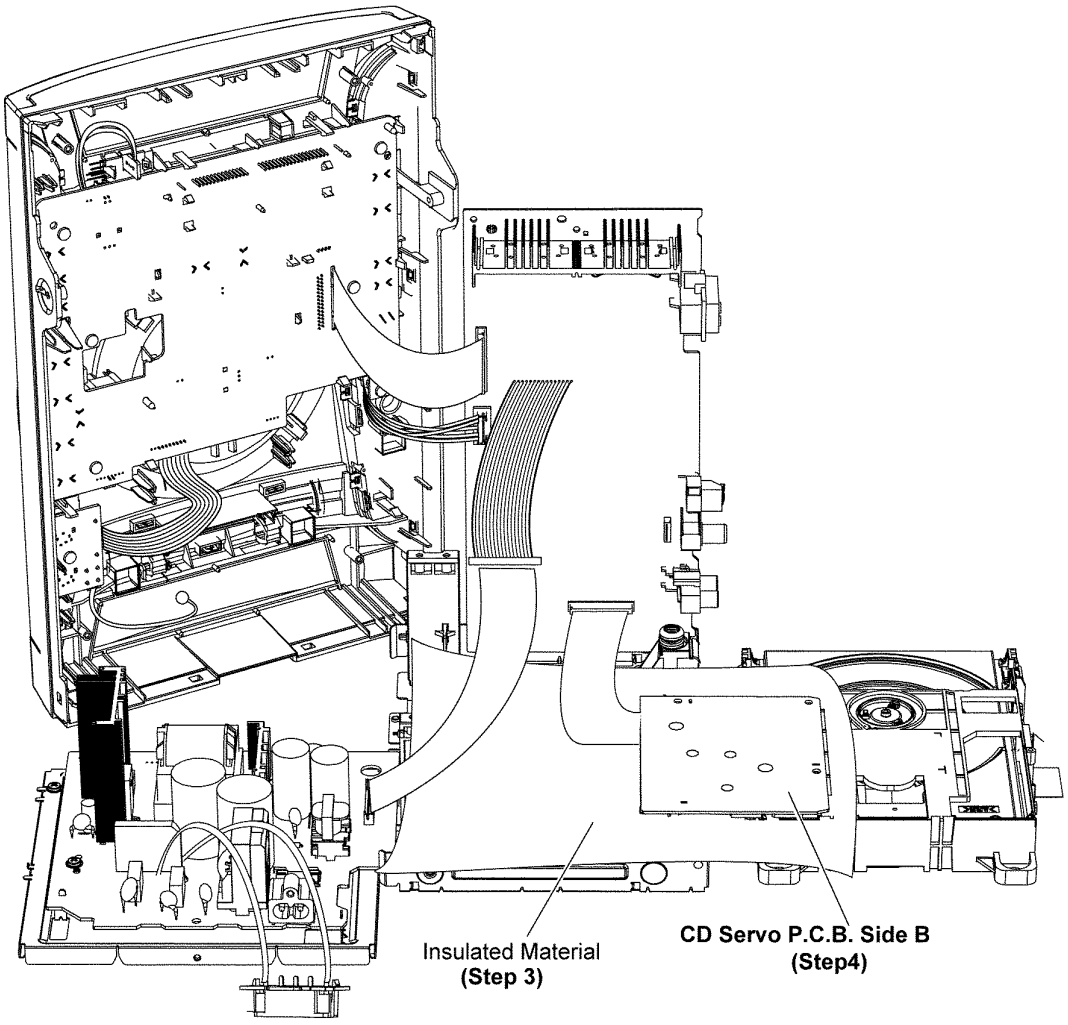
12.5. Checking and Repairing of CD Servo P.C.B. (Side B)

- **Refer to "Checking and repairing of CD Servo P.C.B. (Side A)".**

Step 1 Remove 2 screws.
Step 2 Flip the Servo P.C.B. as illustration show.

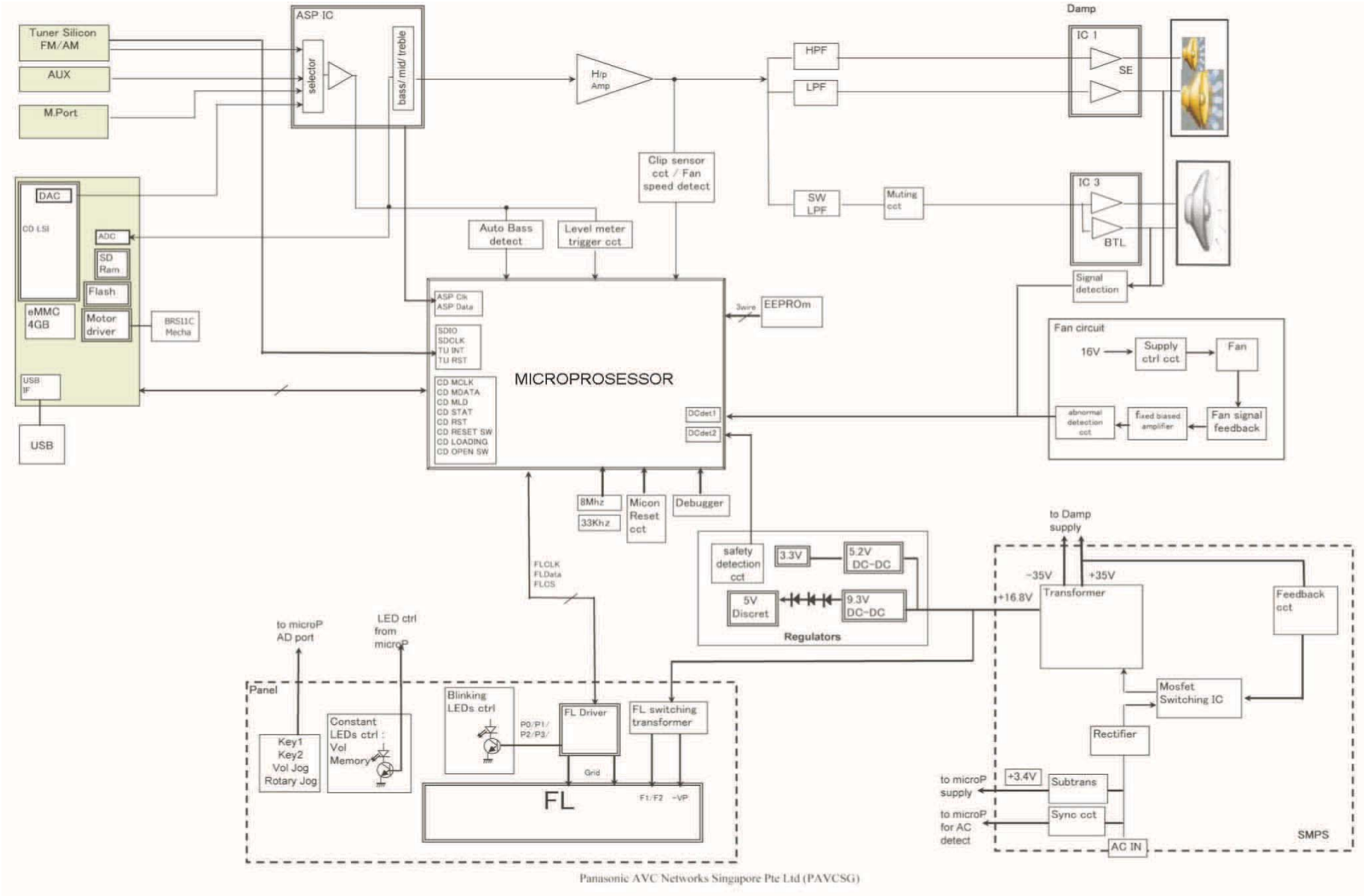


Step 3 Place the CD Servo P.C.B. on the insulated material.
Step 4 CD Servo P.C.B. Side B can be checked and repaired as diagram shown.



13 Simplified Block Diagram

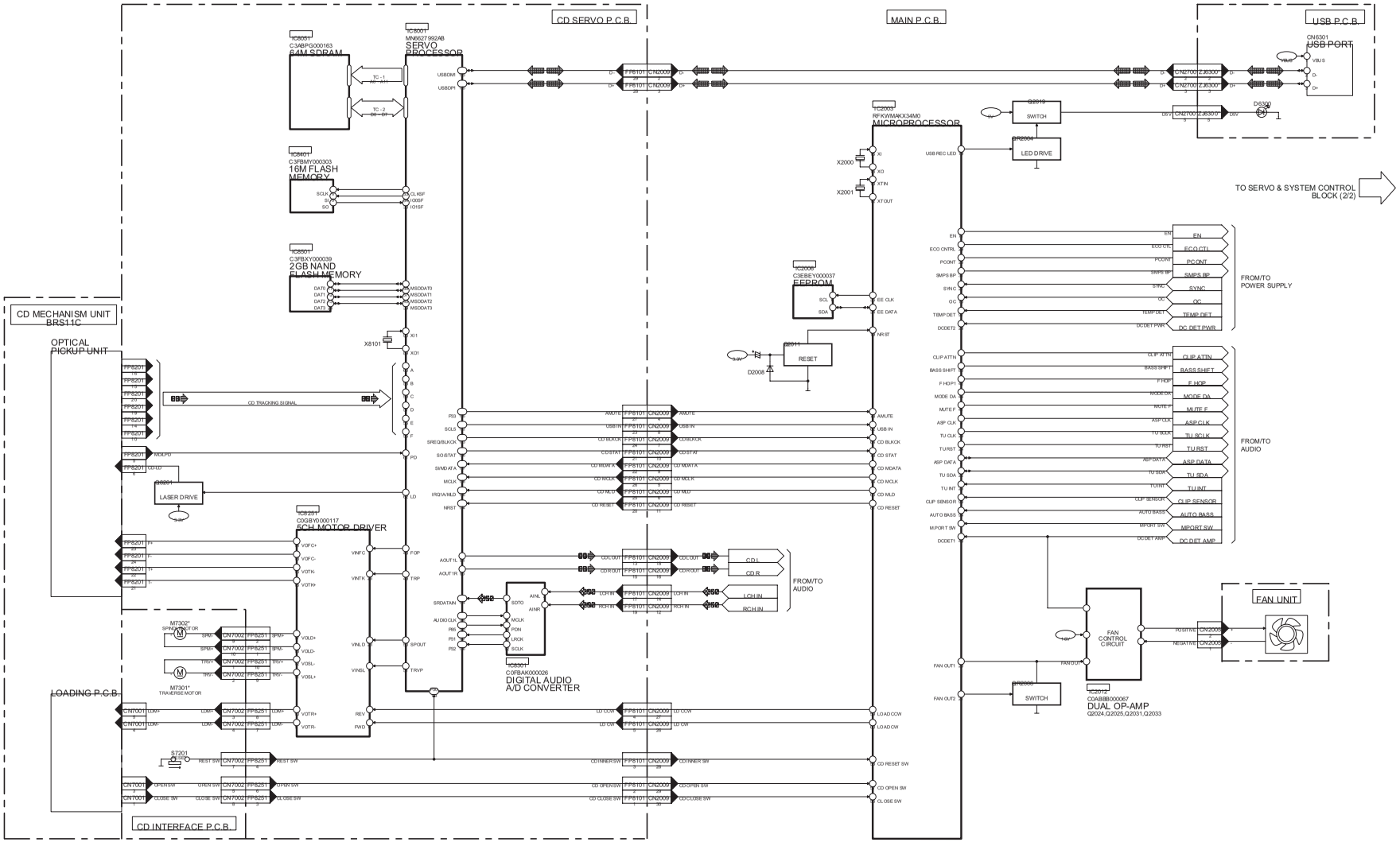
13.1. Power Block Diagram



14 Block Diagram

14.1. Servo & System Control

: CD AUDIO INPUT SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE : USB SIGNAL LINE



NOTE: " * " REF IS FOR INDICATION ONLY

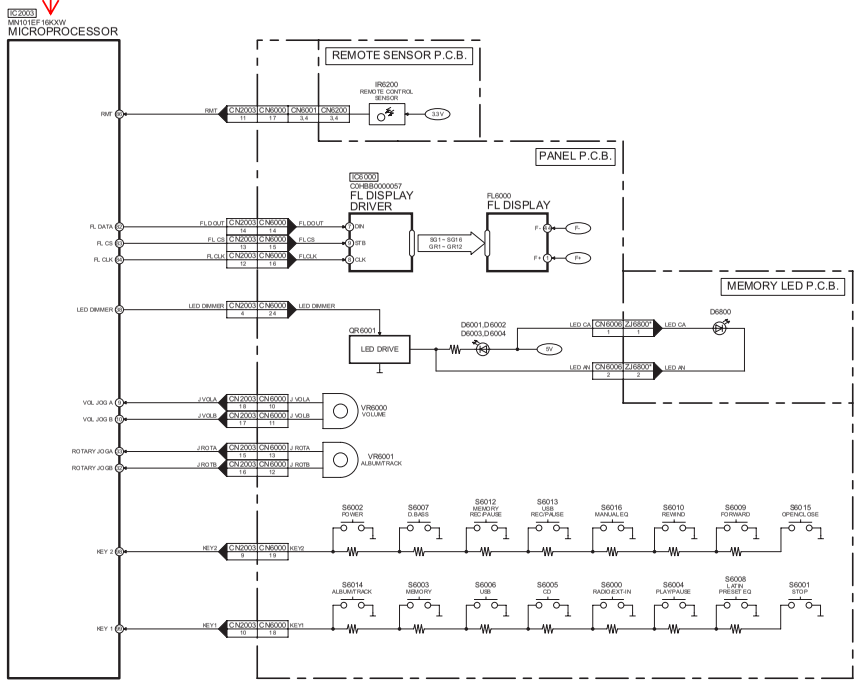
SA-AKX34 SERVO & SYSTEM CONTROL (1/2) BLOCK DIAGRAM

: CD AUDIO INPUT SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE : USB SIGNAL LINE

MAIN P.C.B.

Este material se encuentra sin programar, debe ser programado

TO SERVO & SYSTEM CONTROL BLOCK (1/2)



NOTE: " * " REF IS FOR INDICATION ONLY

SA-AKX34 SERVO & SYSTEM CONTROL (2/2) BLOCK DIAGRAM

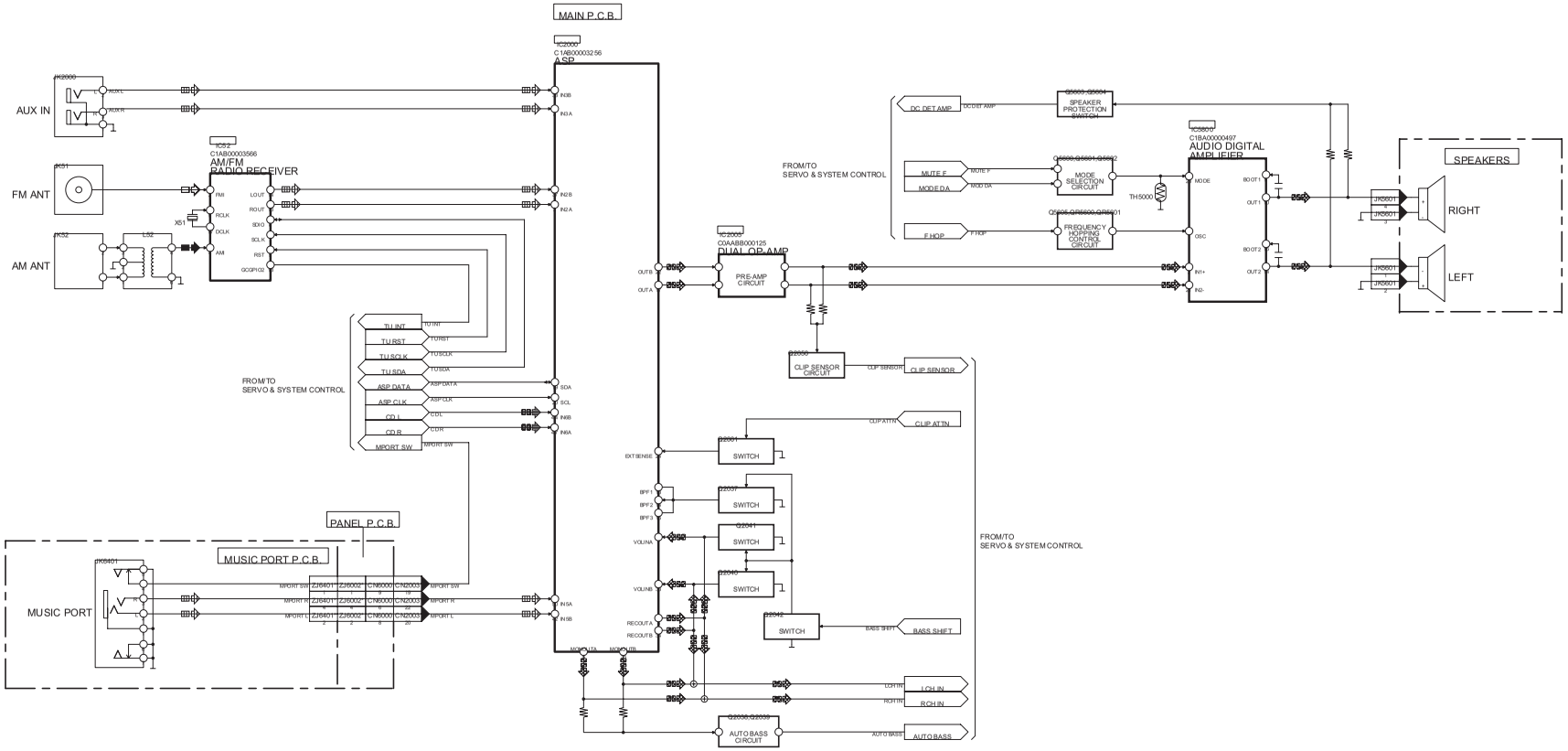
14.2. IC Terminal Chart

TC	IC8051 64M SDRAM		SIGNAL NAME	IC8001 SERVO PROCESSOR	
	PORT NAME	PIN NO		PIN NO	PORT NAME
1	A0	23	A0	14	A0
	A1	24	A1	15	A1
	A2	25	A2	16	A2
	A3	26	A3	17	A3
	A4	29	A4	20	A4
	A5	30	A5	21	A5
	A6	31	A6	22	A6
	A7	32	A7	23	A7
	A8	33	A8	24	A8
	A9	34	A9	25	A9
	A10	22	A10	13	A10
	A11	35	A11	26	A11

TC	IC8051 64M SDRAM		SIGNAL NAME	IC8001 SERVO PROCESSOR	
	PORT NAME	PIN NO		PIN NO	PORT NAME
2	DQ0 / DQ15	2 / 53	D0	142	D0
	DQ1 / DQ14	4 / 51	D1	143	D1
	DQ2 / DQ13	5 / 50	D2	144	D2
	DQ3 / DQ12	7 / 48	D3	2	D3
	DQ4 / DQ11	8 / 47	D4	3	D4
	DQ5 / DQ10	10 / 45	D5	4	D5
	DQ6 / DQ9	11 / 44	D6	5	D6
	DQ7 / DQ8	13 / 42	D7	6	D7

14.3. Audio

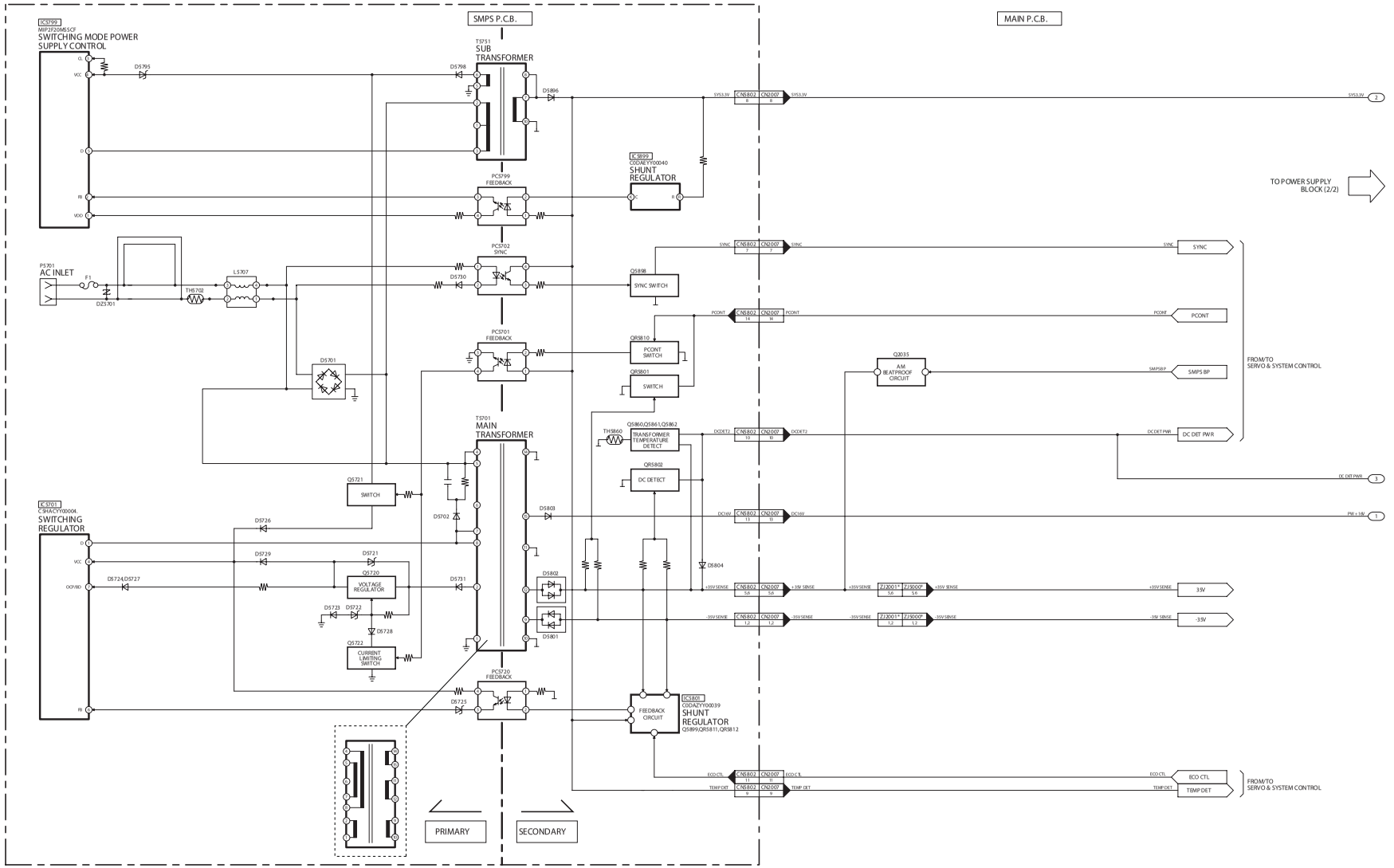
: CD AUDIO INPUT SIGNAL LINE : AUX/TUNER/MUSIC PORT AUDIO INPUT SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE : AM SIGNAL LINE : FM SIGNAL LINE



NOTE: " * " REF IS FOR INDICATION ONLY

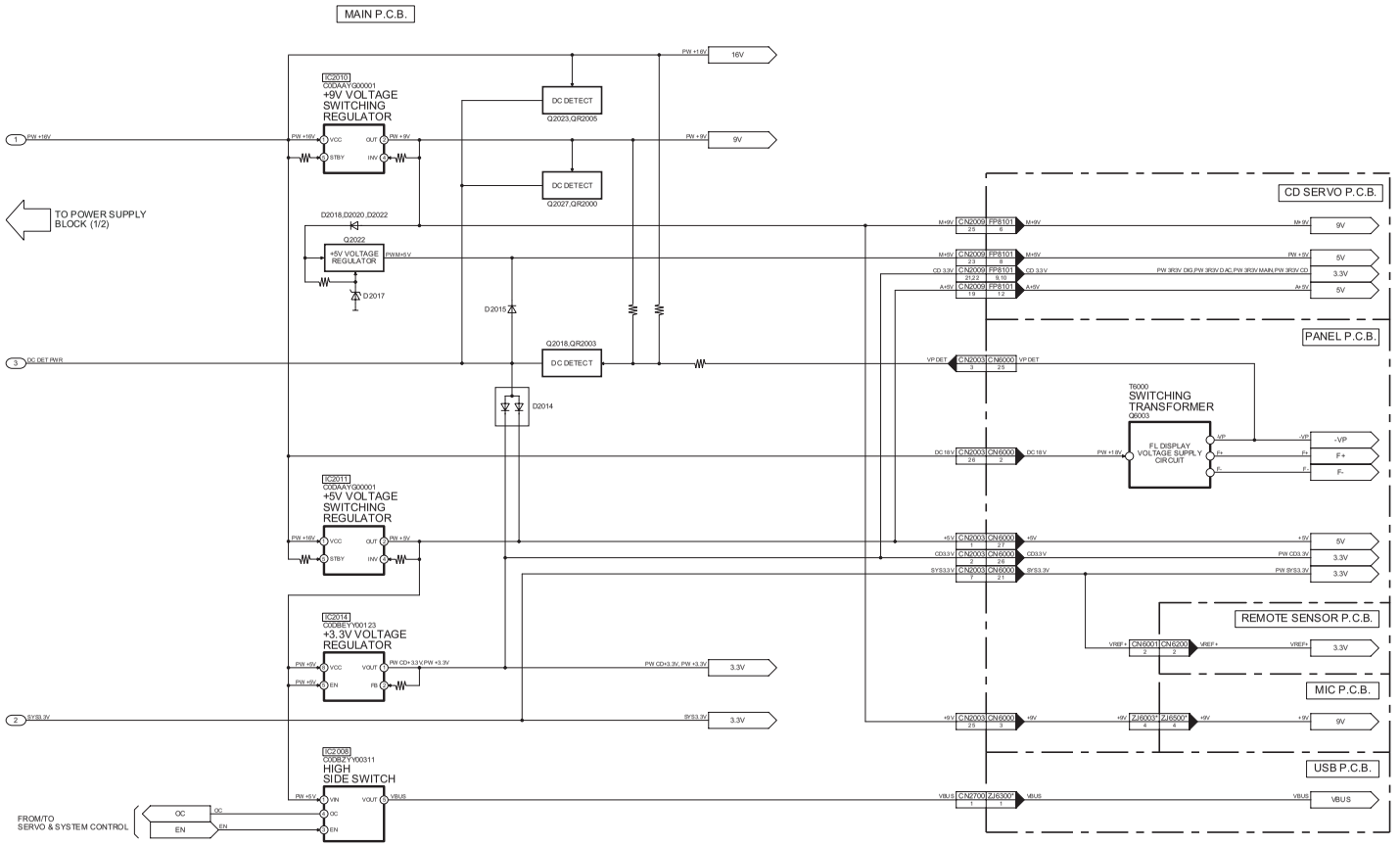
SA-AKX34 AUDIO BLOCK DIAGRAM

14.4. Power Supply



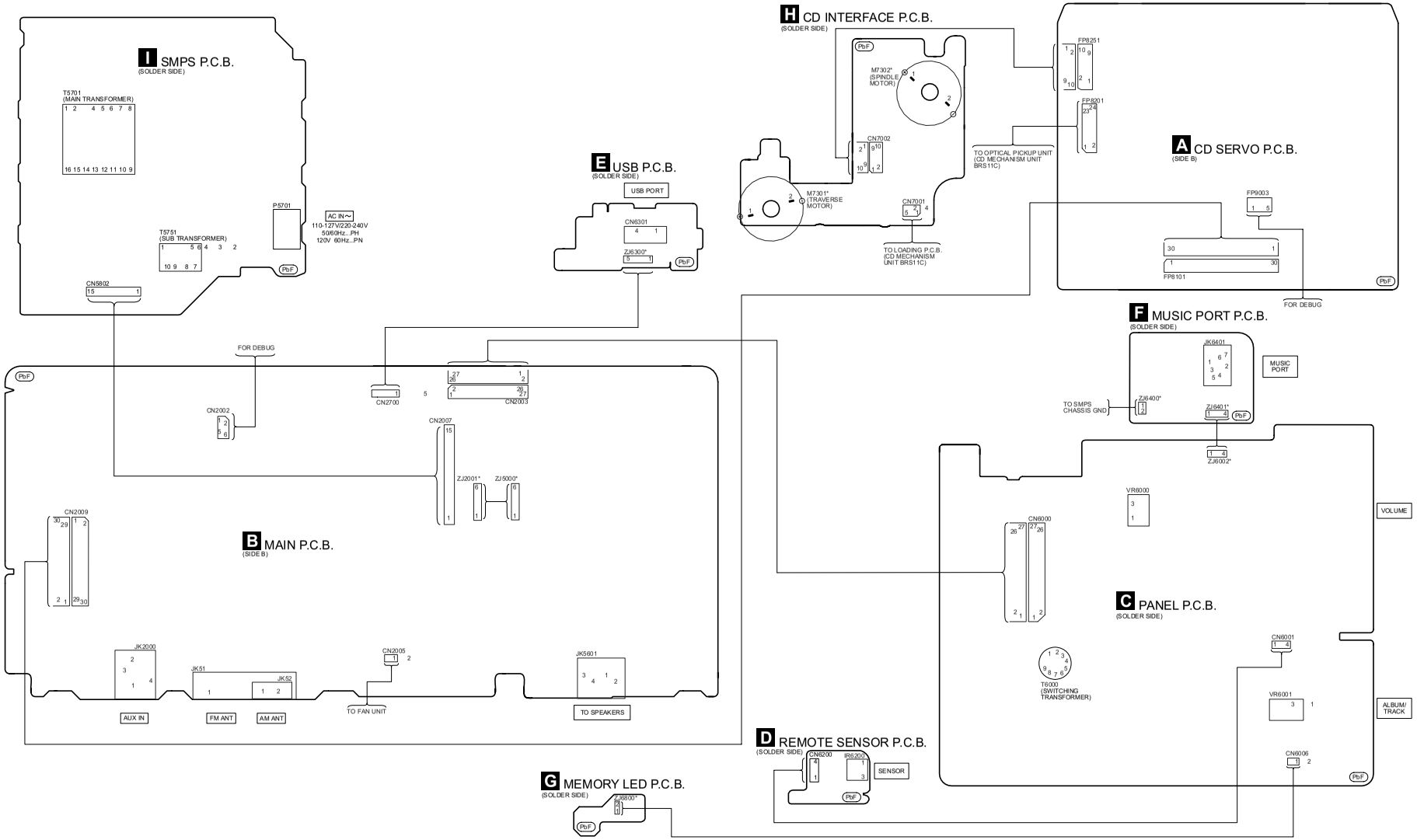
NOTE: " * " REF IS FOR INDICATION ONLY

SA-AKX34 POWER SUPPLY (1/2) BLOCK DIAGRAM



SA-AKX34 POWER SUPPLY (2/2) BLOCK DIAGRAM

15 Wiring Connection Diagram



NOTE: " * " REF IS FOR INDICATION ONLY.

SA-AKX34 WIRING CONNECTION DIAGRAM

16 Schematic Diagram

16.1. Schematic Diagram Notes

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

Notes:

S6000: Radio/EXT-IN switch.
S6001: Stop (■) switch.
S6002: Power (⏻/|) switch.
S6003: Memory switch.
S6004: Play/Pause (▶ / ▮▮) switch.
S6005: CD switch.
S6006: USB switch.
S6007: D.BASS switch.
S6008: Latin Preset EQ switch.
S6009: Forward (▶▶ / ▶▶|) switch.
S6010: Rewind (|◀◀ / ◀◀) switch.
S6012: Memory Rec/ Pause switch.
S6013: USB Rec/ Pause switch.
S6014: Album/Track switch.
S6015: Open/Close switch (⏏).
S6016: Manual EQ switch.
S7201: Reset switch.
VR6001: Volume Jog.
VR6002: Album/Track Jog.

- Important safety notice:

  Components identified by ⚠ mark have special characteristics important for safety.
  Furthermore, special parts which have purposes of fire-retardant (resistors), high quality sound (capacitors), low-noise (resistors), etc are used.
  When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

- In case of AC rated voltage Capacitors, the part no. and values will be indicated in the Schematic Diagram.
  AC rated voltage capacitors:
  C5700, C5701, C5703, C5704 (For PH), C5705 (For PH), C5708

- **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
  : -B signal line
  : CD Audio input signal line
  : AUX/Tuner/Music Port Audio input signal line
  : Audio output signal line
  : USB signal line
  : AM signal line
  : FM signal line

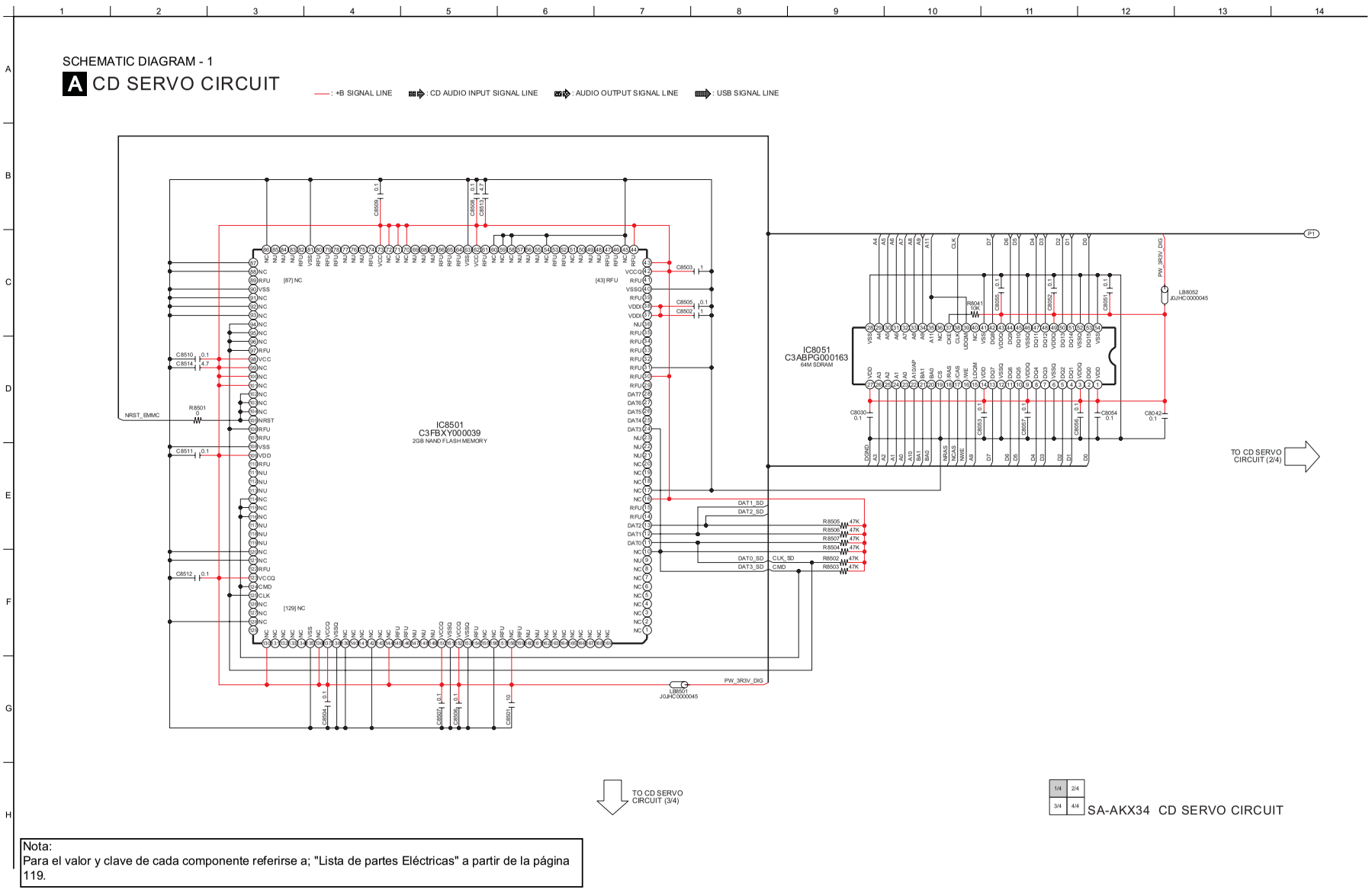
CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE F1 8A 125V FUSE

RISK OF FIRE-REPLACE FUSE AS MARKED.

FUSE CAUTION

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

16.2. CD Servo Circuit

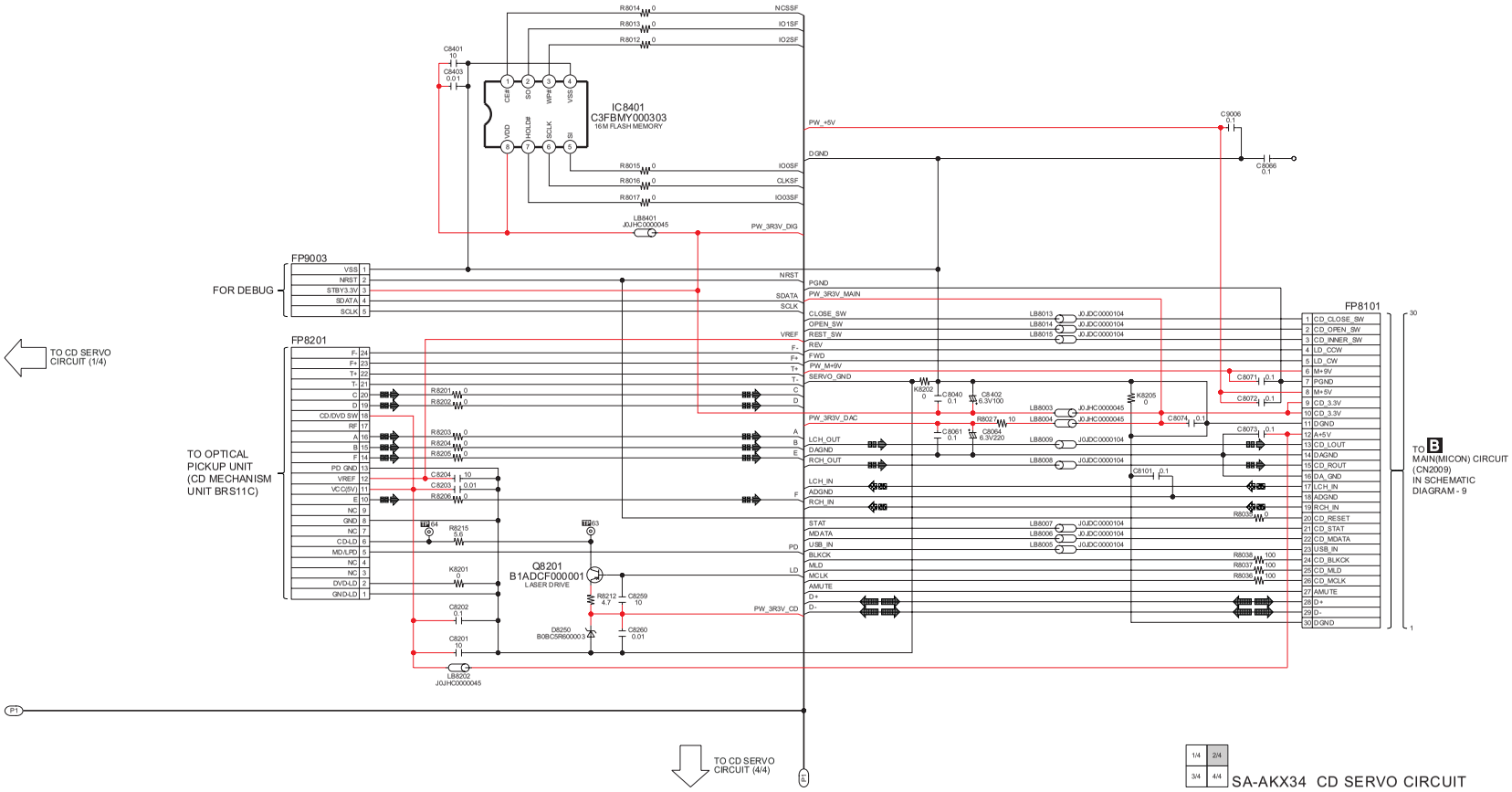


Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 119.

SCHEMATIC DIAGRAM - 2

A CD SERVO CIRCUIT

—— : +B SIGNAL LINE : CD AUDIO INPUT SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE : USB SIGNAL LINE



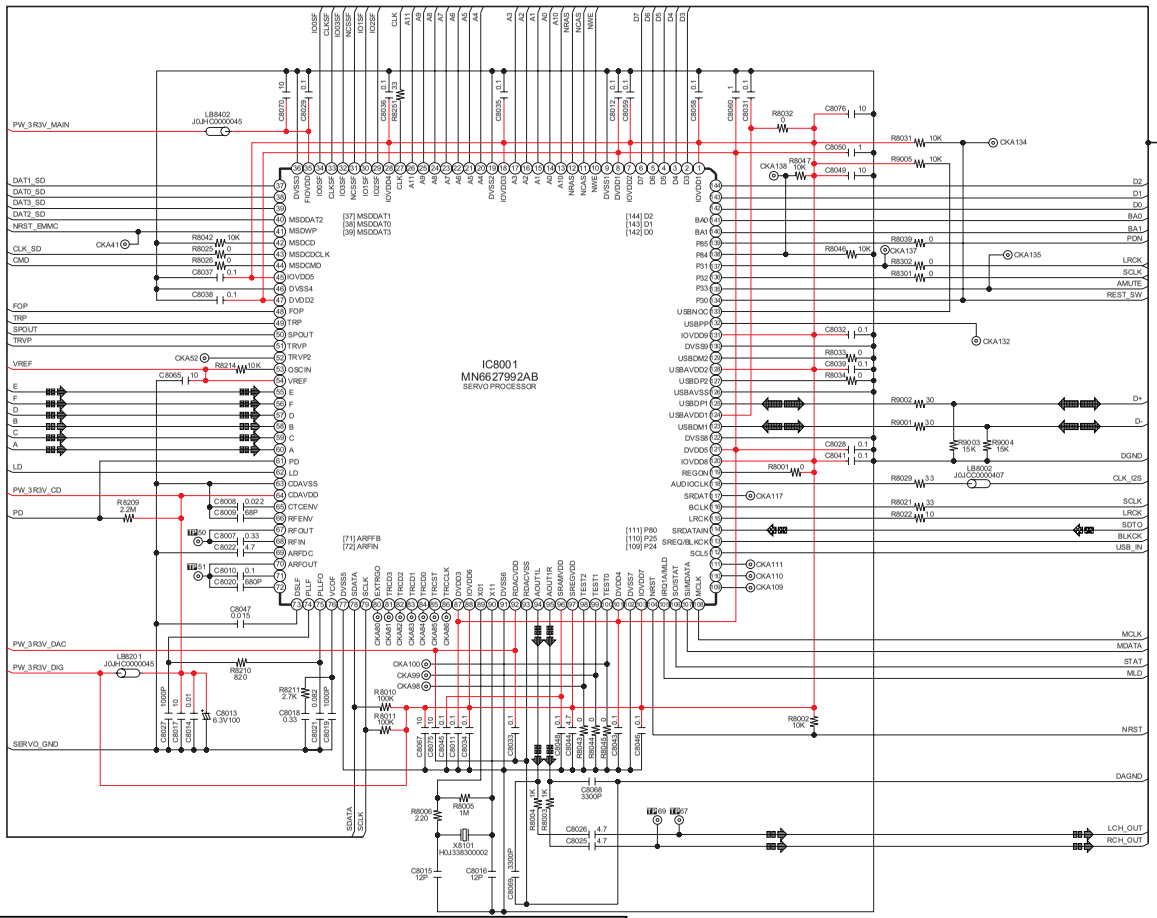
Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 119.

1/4 2/4 3/4 4/4 SA-AKX34 CD SERVO CIRCUIT

SCHEMATIC DIAGRAM - 3

A CD SERVO CIRCUIT

—— : +B SIGNAL LINE : CD AUDIO INPUT SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE : USB SIGNAL LINE



Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 119.

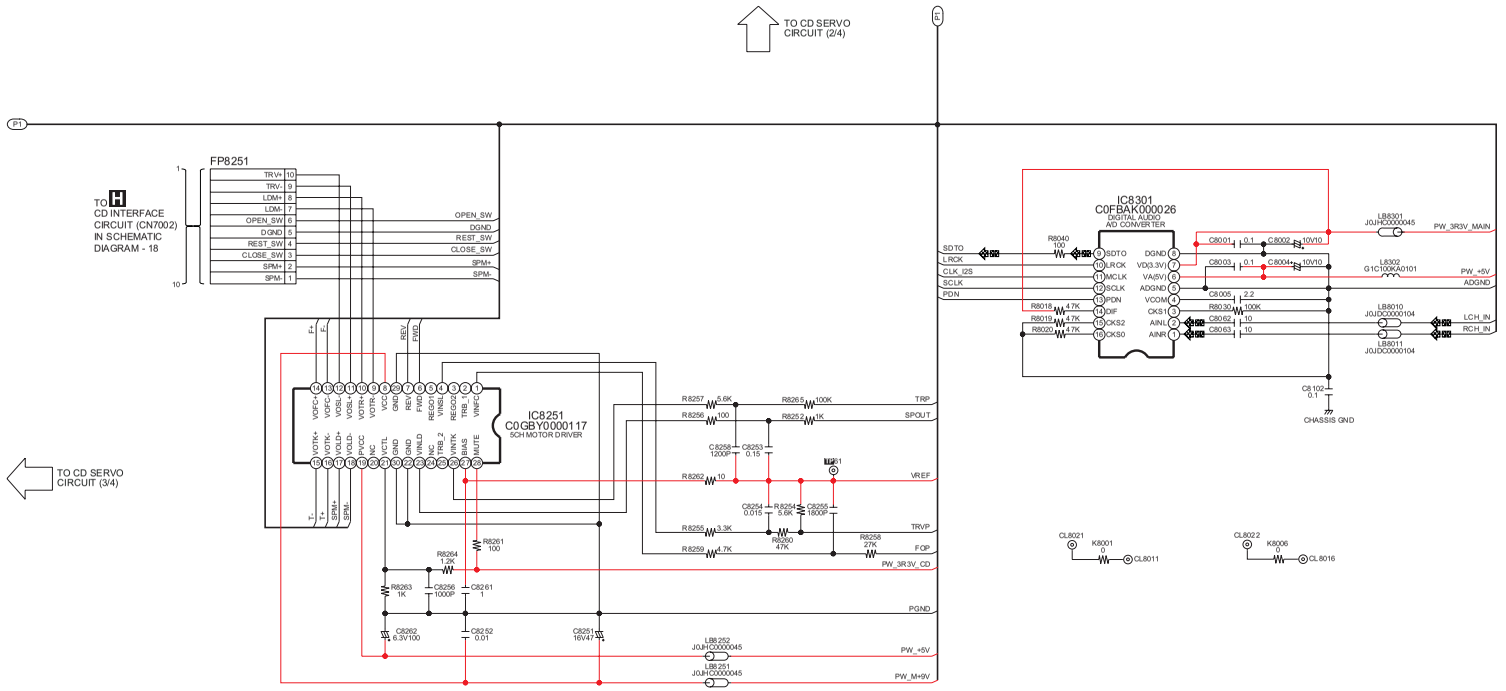
1/4	2/4
3/4	4/4

SA-AKX34 CD SERVO CIRCUIT

SCHEMATIC DIAGRAM - 4

A CD SERVO CIRCUIT

: +B SIGNAL LINE : CD AUDIO INPUT SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE : USB SIGNAL LINE

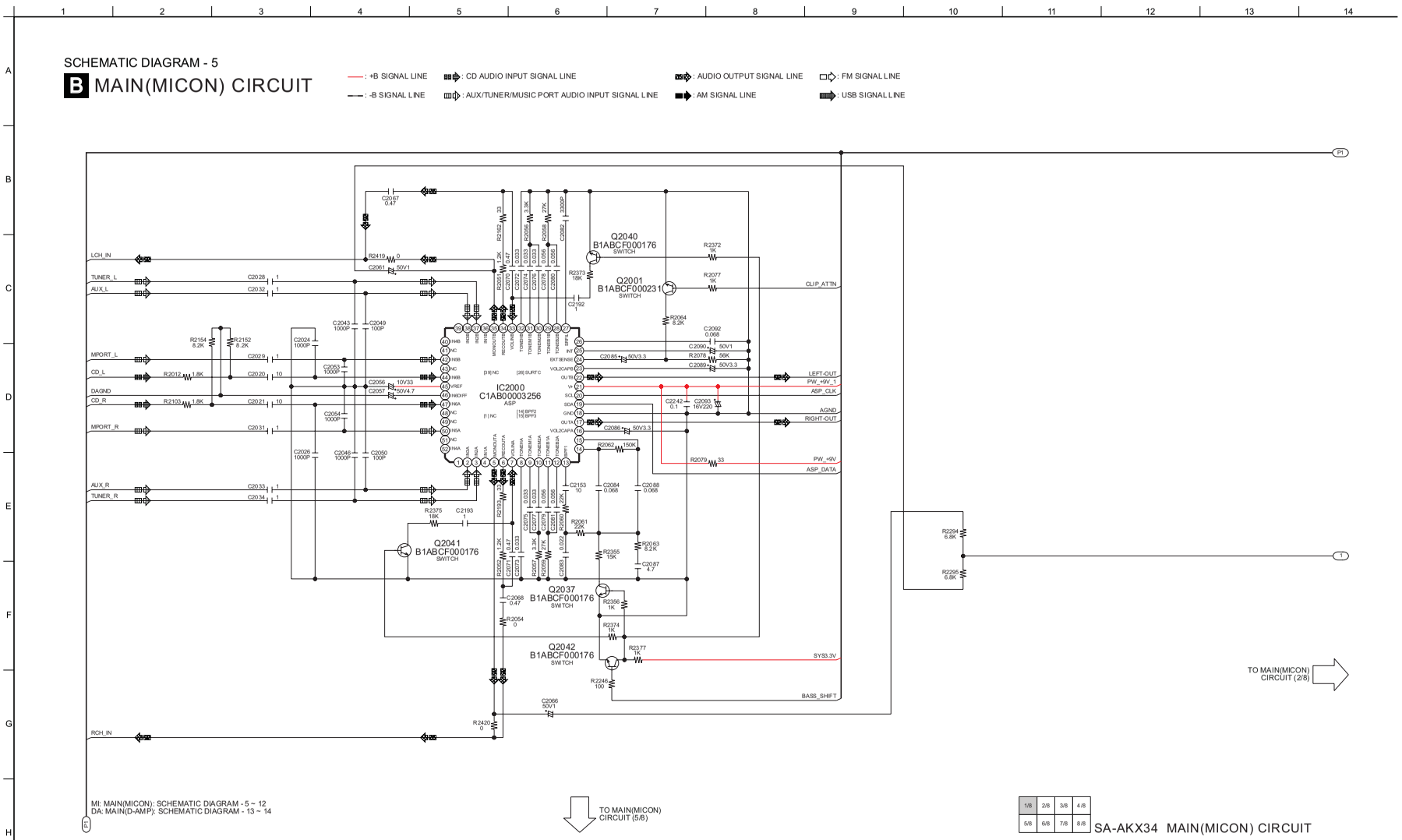


Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 119.

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

SA-AKX34 CD SERVO CIRCUIT

16.3. Main(MICON) Circuit

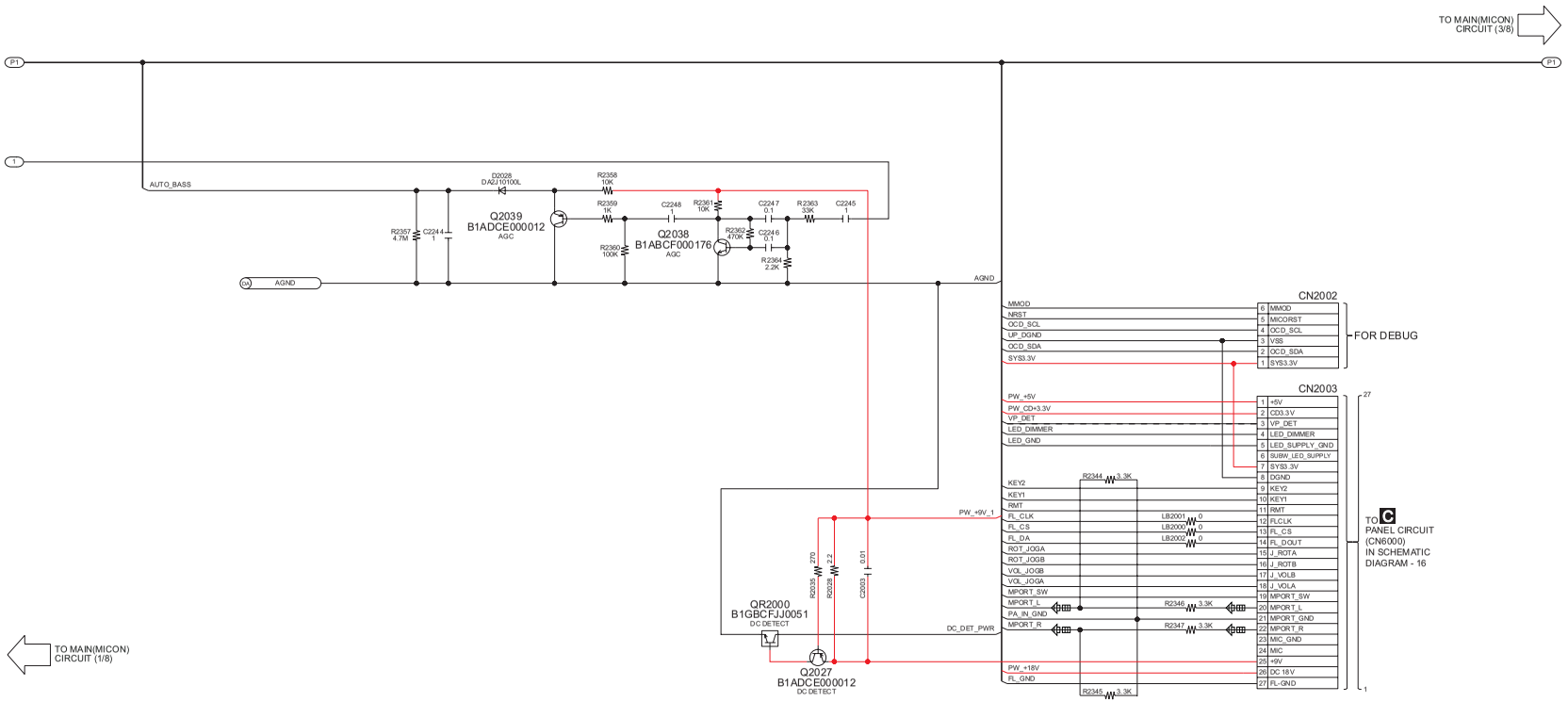


Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 119.

SCHEMATIC DIAGRAM - 6

B MAIN(MICON) CIRCUIT

: +B SIGNAL LINE
: -B SIGNAL LINE
: CD AUDIO INPUT SIGNAL LINE
: AUX/TUNER/MUSIC PORT AUDIO INPUT SIGNAL LINE
: AUDIO OUTPUT SIGNAL LINE
: AM SIGNAL LINE
: FM SIGNAL LINE
: USB SIGNAL LINE



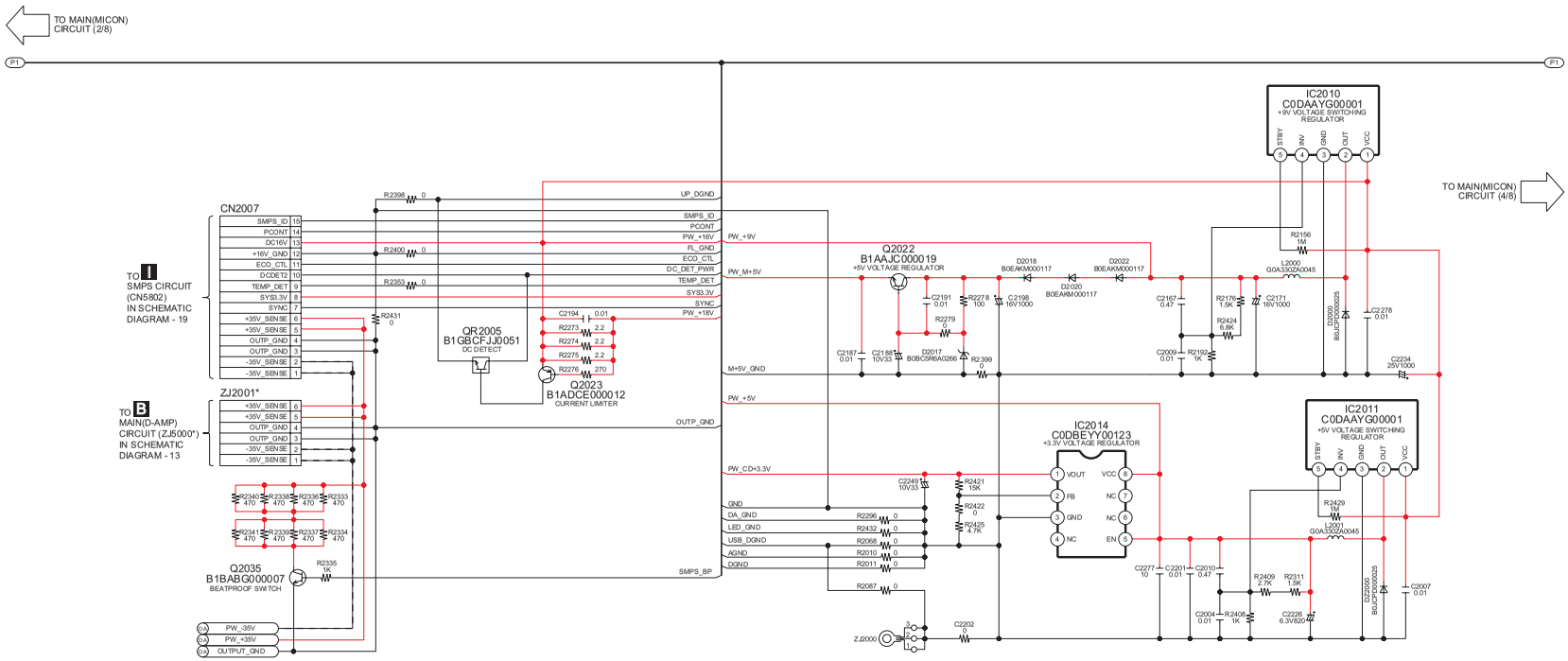
MI: MAIN(MICON): SCHEMATIC DIAGRAM - 5 ~ 12
DA: MAIN(D-AMP): SCHEMATIC DIAGRAM - 13 ~ 14

Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 119.

SCHEMATIC DIAGRAM - 7

B MAIN(MICON) CIRCUIT

: +B SIGNAL LINE
: -B SIGNAL LINE
: CD AUDIO INPUT SIGNAL LINE
: AUX/TUNER/MUSIC PORT AUDIO INPUT SIGNAL LINE
: AUDIO OUTPUT SIGNAL LINE
: AM SIGNAL LINE
: FM SIGNAL LINE
: USB SIGNAL LINE



MI: MAIN(MICON): SCHEMATIC DIAGRAM - 5 ~ 12
DA: MAIN(D-AMP): SCHEMATIC DIAGRAM - 13 ~ 14

NOTE: " * " REF IS FOR INDICATION ONLY

1/8	2/8	3/8	4/8
5/8	6/8	7/8	8/8

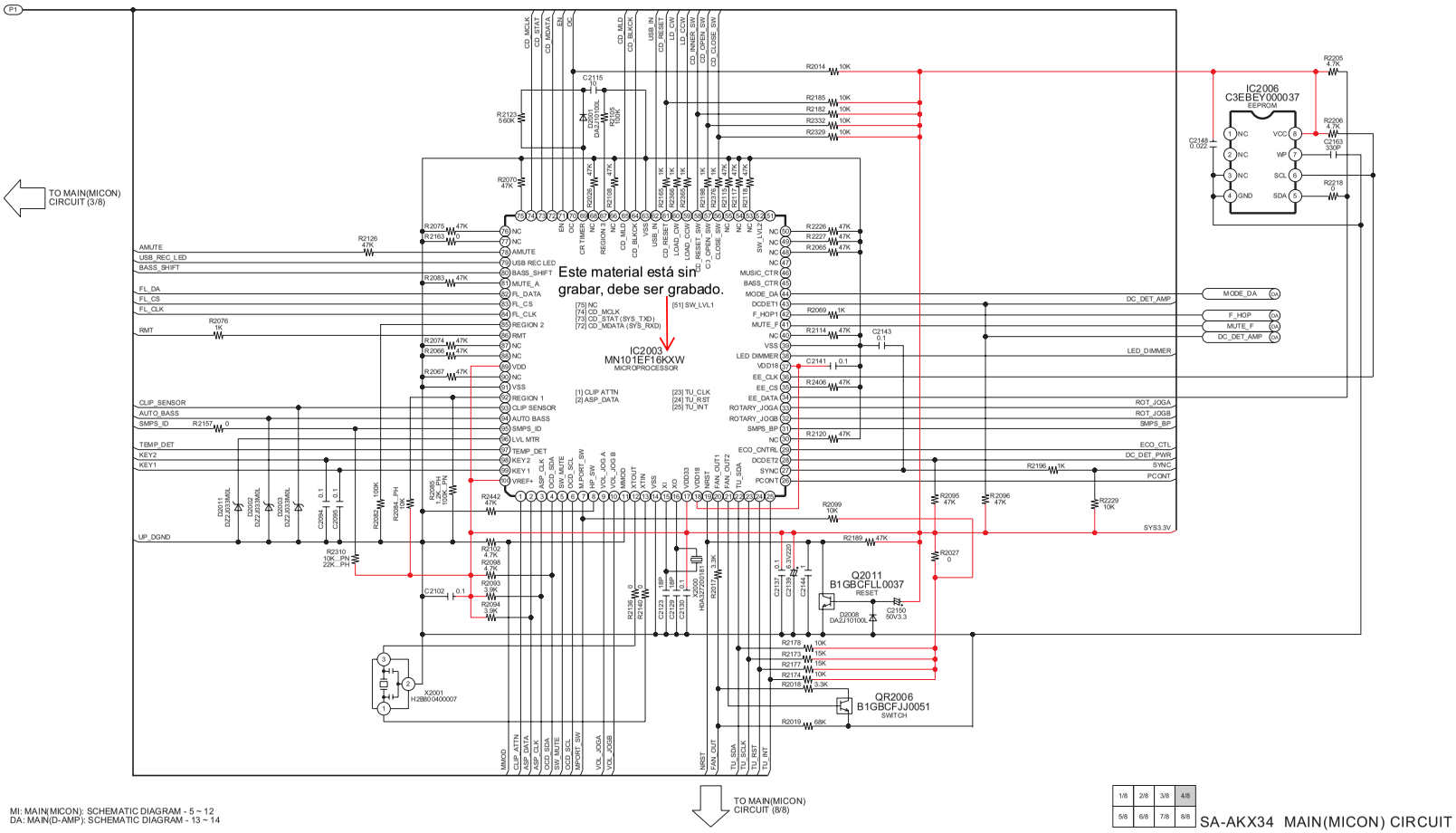
SA-AKX34 MAIN(MICON) CIRCUIT

Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 119.

SCHEMATIC DIAGRAM - 8

B MAIN(MICON) CIRCUIT

: +B SIGNAL LINE
: -B SIGNAL LINE
: CD AUDIO INPUT SIGNAL LINE
: AUX/TUNER/MUSIC PORT AUDIO INPUT SIGNAL LINE
: AUDIO OUTPUT SIGNAL LINE
: AM SIGNAL LINE
: FM SIGNAL LINE
: USB SIGNAL LINE



MI: MAIN(MICON): SCHEMATIC DIAGRAM - 5 ~ 12
DA: MAIN(D-AMP): SCHEMATIC DIAGRAM - 13 ~ 14

1/8	2/8	3/8	4/8
5/8	6/8	7/8	8/8

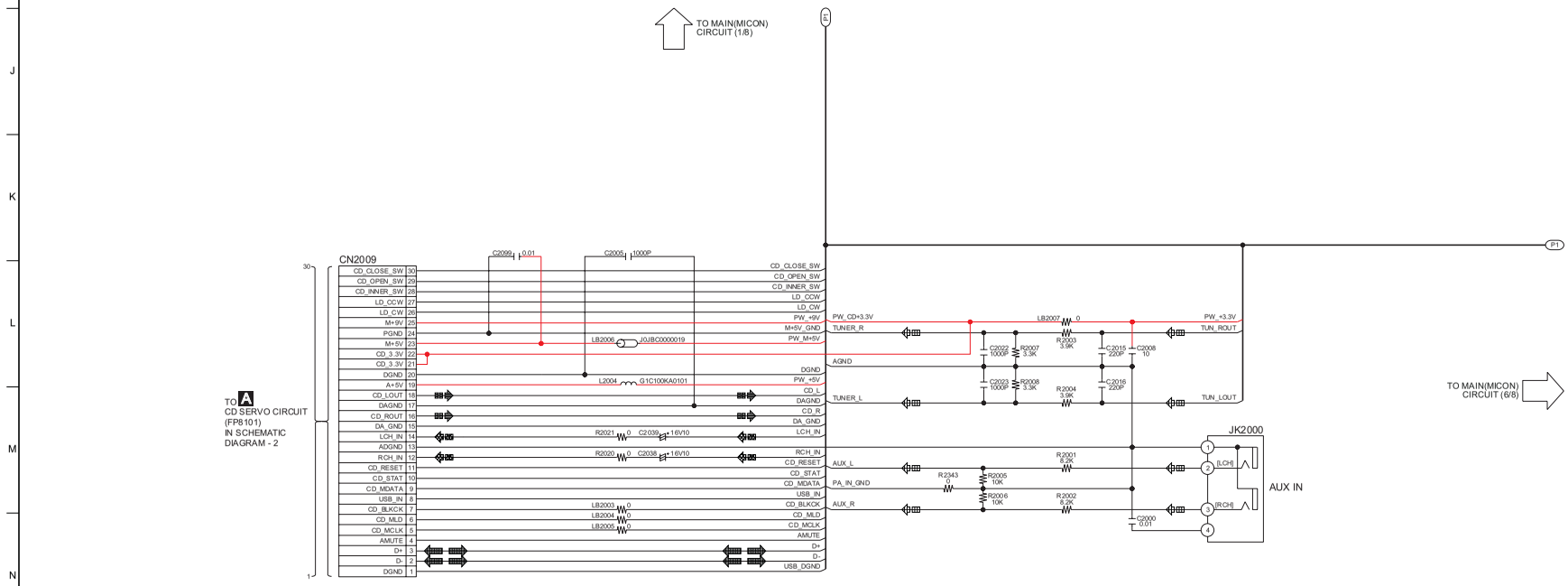
SA-AKX34 MAIN(MICON) CIRCUIT

Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 119.

SCHEMATIC DIAGRAM - 9

B MAIN(MICON) CIRCUIT

: +B SIGNAL LINE
: -B SIGNAL LINE
: CD AUDIO INPUT SIGNAL LINE
: AUX/TUNER/MUSIC PORT AUDIO INPUT SIGNAL LINE
: AUDIO OUTPUT SIGNAL LINE
: AM SIGNAL LINE
: FM SIGNAL LINE
: USB SIGNAL LINE



MI: MAIN(MICON): SCHEMATIC DIAGRAM - 5 ~ 12
DA: MAIN(D-AMP): SCHEMATIC DIAGRAM - 13 ~ 14

Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 119.

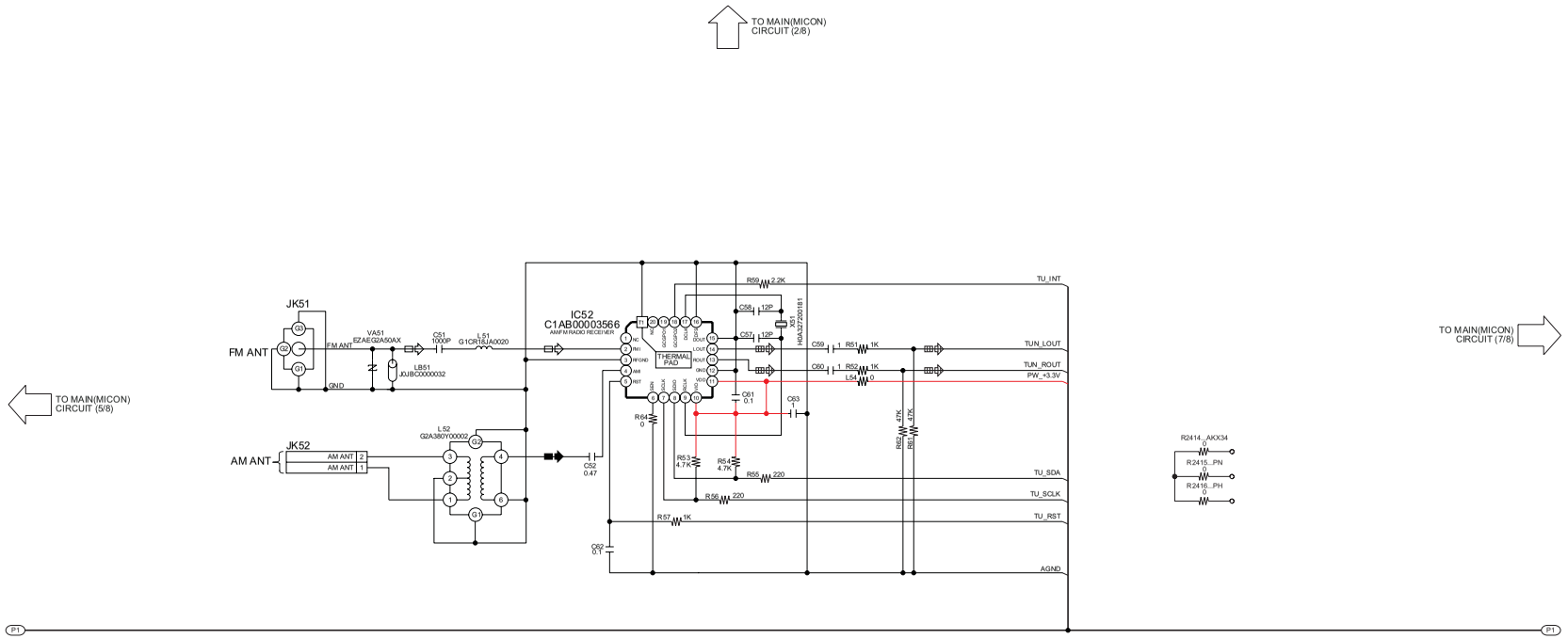
1/8	2/8	3/8	4/8
5/8	6/8	7/8	8/8

SA-AKX34 MAIN(MICON) CIRCUIT

SCHEMATIC DIAGRAM - 10

B MAIN(MICON) CIRCUIT

—— : +B SIGNAL LINE
—— : -B SIGNAL LINE
: CD AUDIO INPUT SIGNAL LINE
: AUX/TUNER/MUSIC PORT AUDIO INPUT SIGNAL LINE
: AUDIO OUTPUT SIGNAL LINE
: AM SIGNAL LINE
: FM SIGNAL LINE
: USB SIGNAL LINE



MI: MAIN(MICON): SCHEMATIC DIAGRAM - 5 ~ 12
DA: MAIN(D-AMP): SCHEMATIC DIAGRAM - 13 ~ 14

Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 119.

1/8	2/8	3/8	4/8
5/8	6/8	7/8	8/8

SA-AKX34PH/PN MAIN(MICON) CIRCUIT

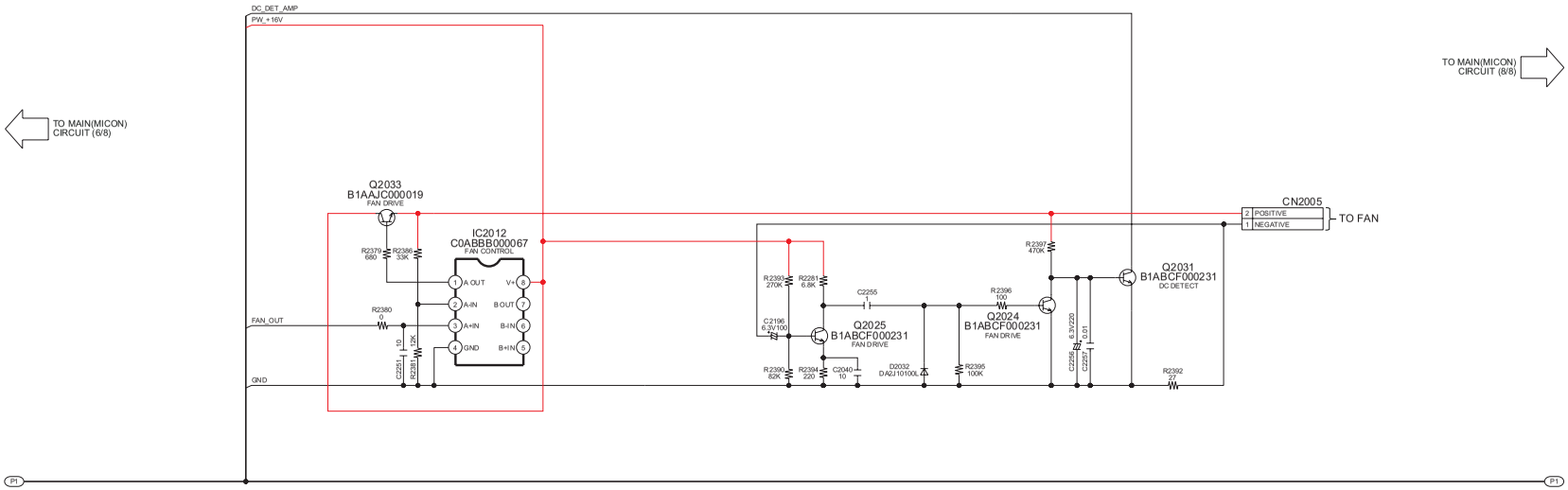
15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28

SCHEMATIC DIAGRAM - 11

B MAIN(MICON) CIRCUIT

: +B SIGNAL LINE
: -B SIGNAL LINE
: CD AUDIO INPUT SIGNAL LINE
: AUX/TUNER/MUSIC PORT AUDIO INPUT SIGNAL LINE
: AUDIO OUTPUT SIGNAL LINE
: AM SIGNAL LINE
: FM SIGNAL LINE
: USB SIGNAL LINE

TO MAIN(MICON) CIRCUIT (3/8)



MI: MAIN(MICON): SCHEMATIC DIAGRAM - 5 ~ 12
DA: MAIN(D-AMP): SCHEMATIC DIAGRAM - 13 ~ 14

Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 119.

1/8	2/8	3/8	4/8
5/8	6/8	7/8	8/8

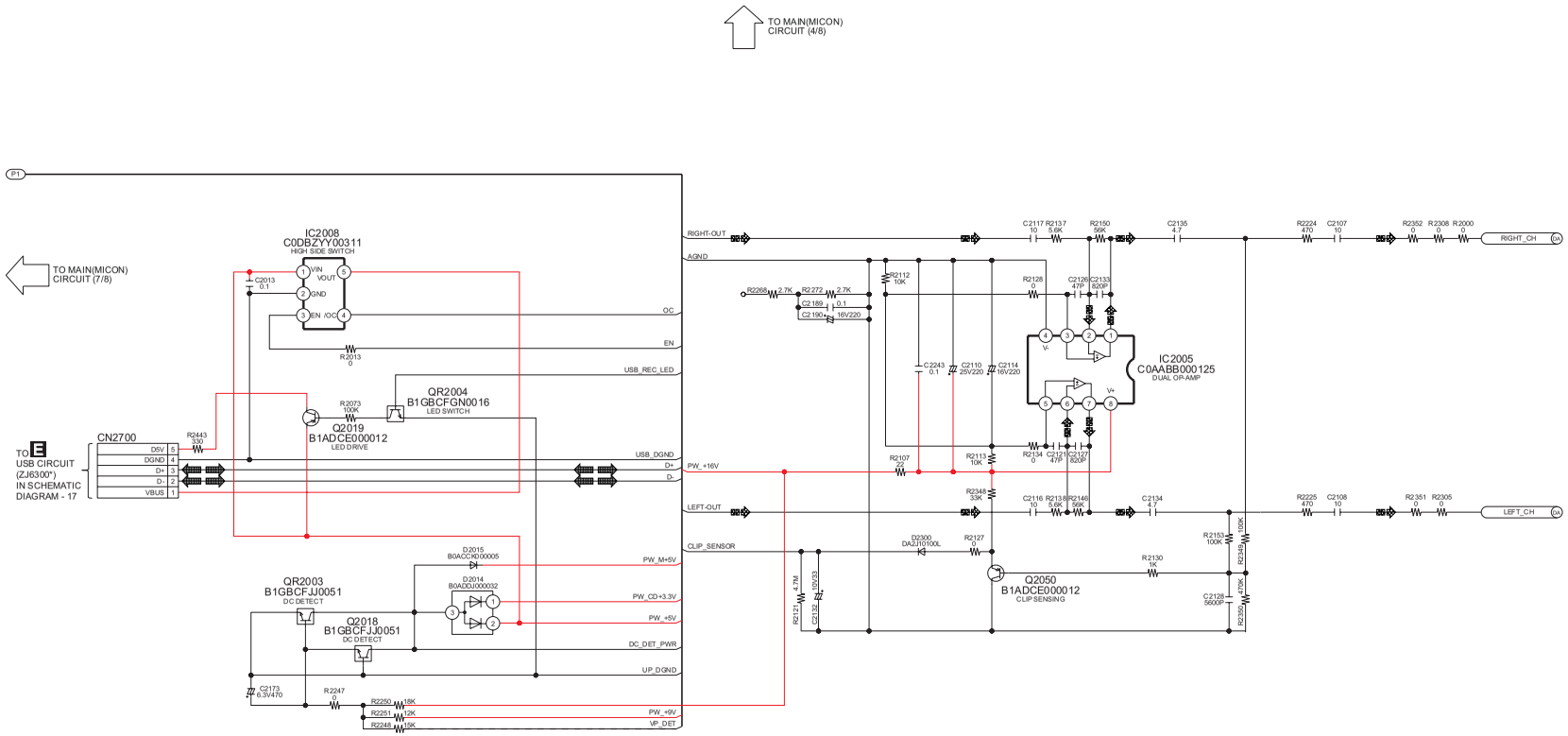
SA-AKX34 MAIN(MICON) CIRCUIT

29	30	31	32	33	34	35	36	37	38	39	40	41	42

SCHEMATIC DIAGRAM - 12

B MAIN(MICON) CIRCUIT

—— : +B SIGNAL LINE
—— : -B SIGNAL LINE
: CD AUDIO INPUT SIGNAL LINE
: AUX/TUNER/MUSIC PORT AUDIO INPUT SIGNAL LINE
: AUDIO OUTPUT SIGNAL LINE
: AM SIGNAL LINE
: FM SIGNAL LINE
: USB SIGNAL LINE



MI: MAIN(MICON): SCHEMATIC DIAGRAM - 5 ~ 12
DA: MAIN(D-AMP): SCHEMATIC DIAGRAM - 13 ~ 14

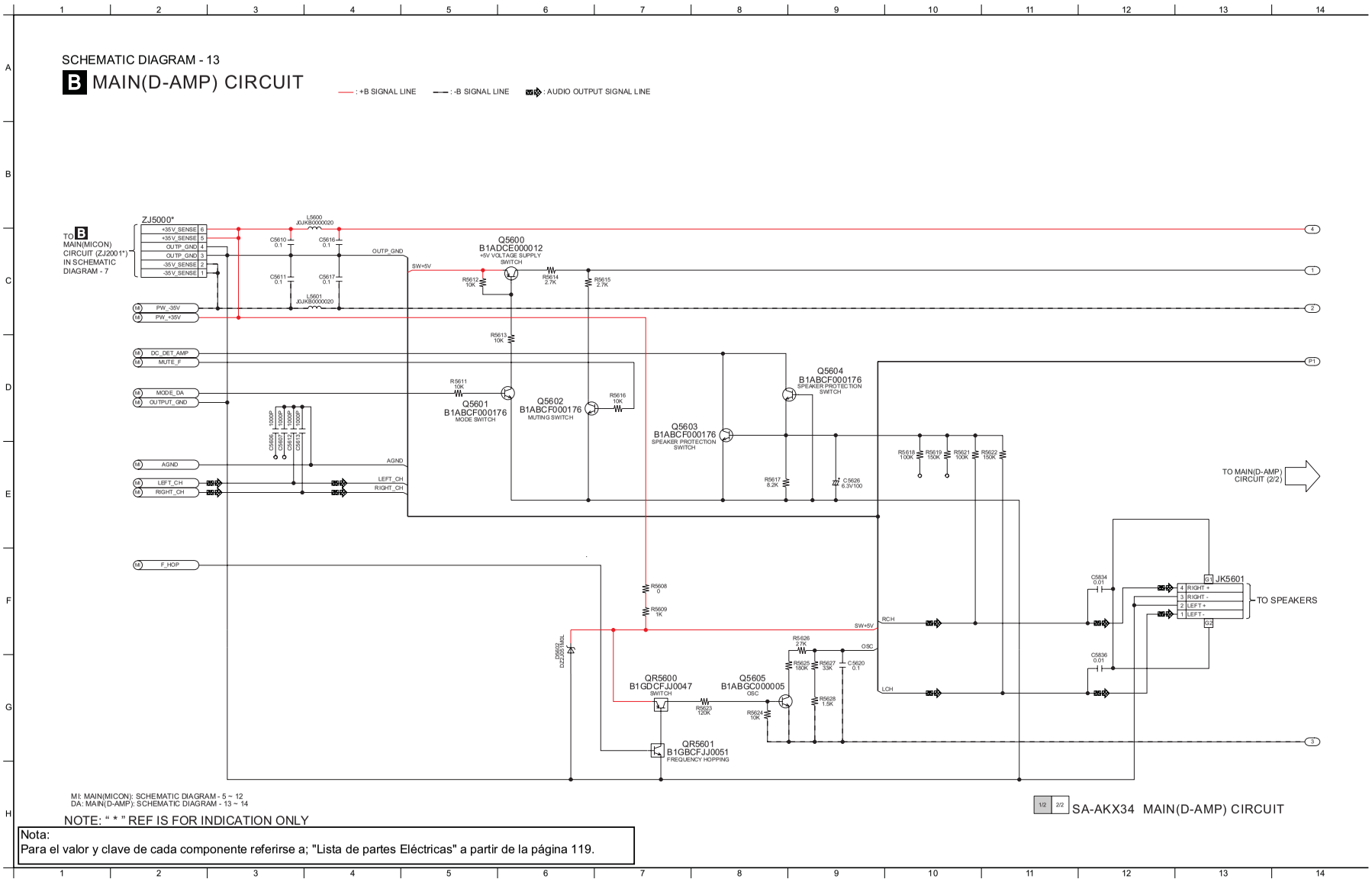
1/8	2/8	3/8	4/8
5/8	6/8	7/8	8/8

SA-AKX34 MAIN(MICON) CIRCUIT

Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 119.

43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56

16.4. Main(D-Amp) Circuit

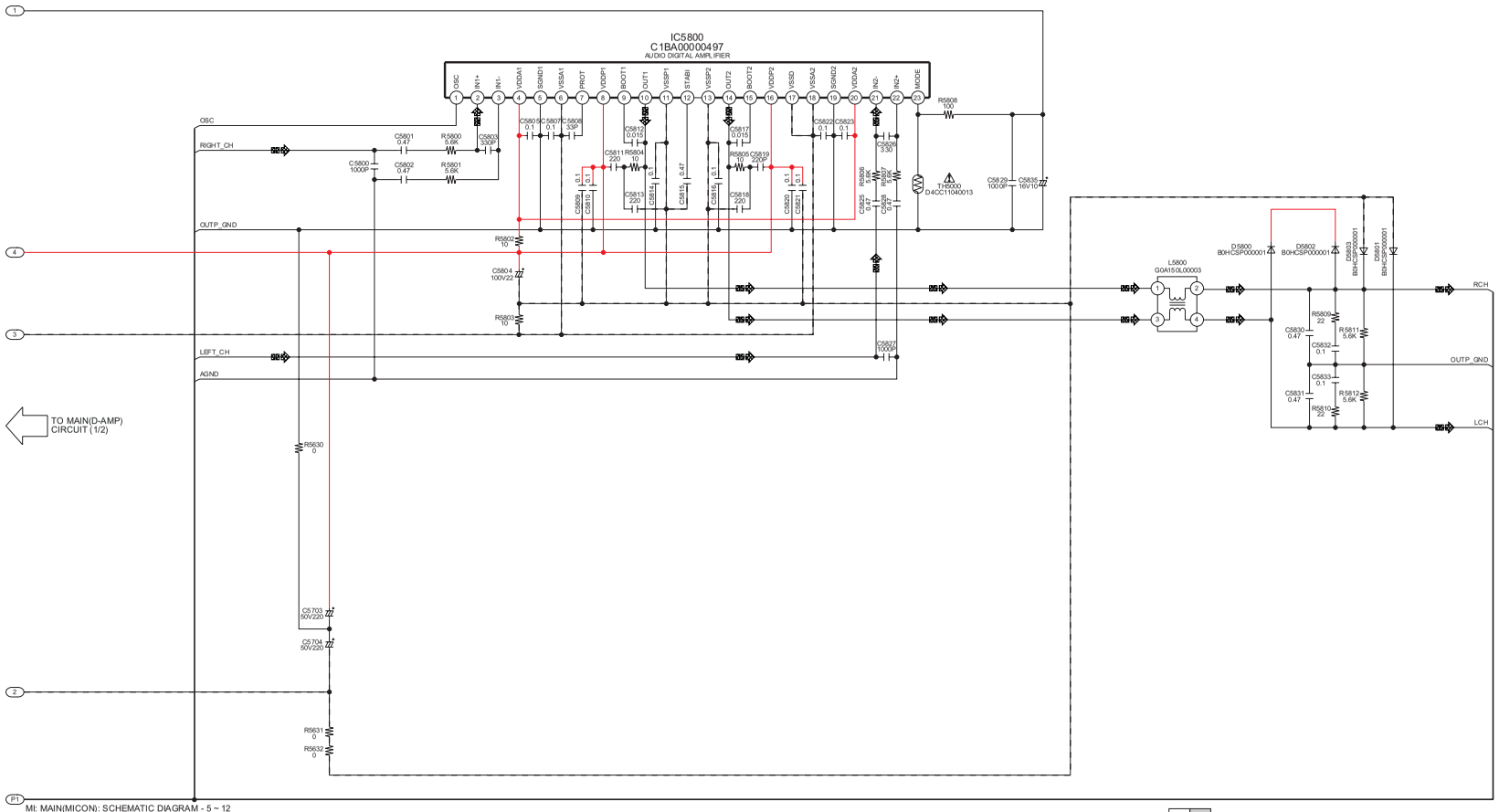


Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 119.

SCHEMATIC DIAGRAM - 14

B MAIN(D-AMP) CIRCUIT

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

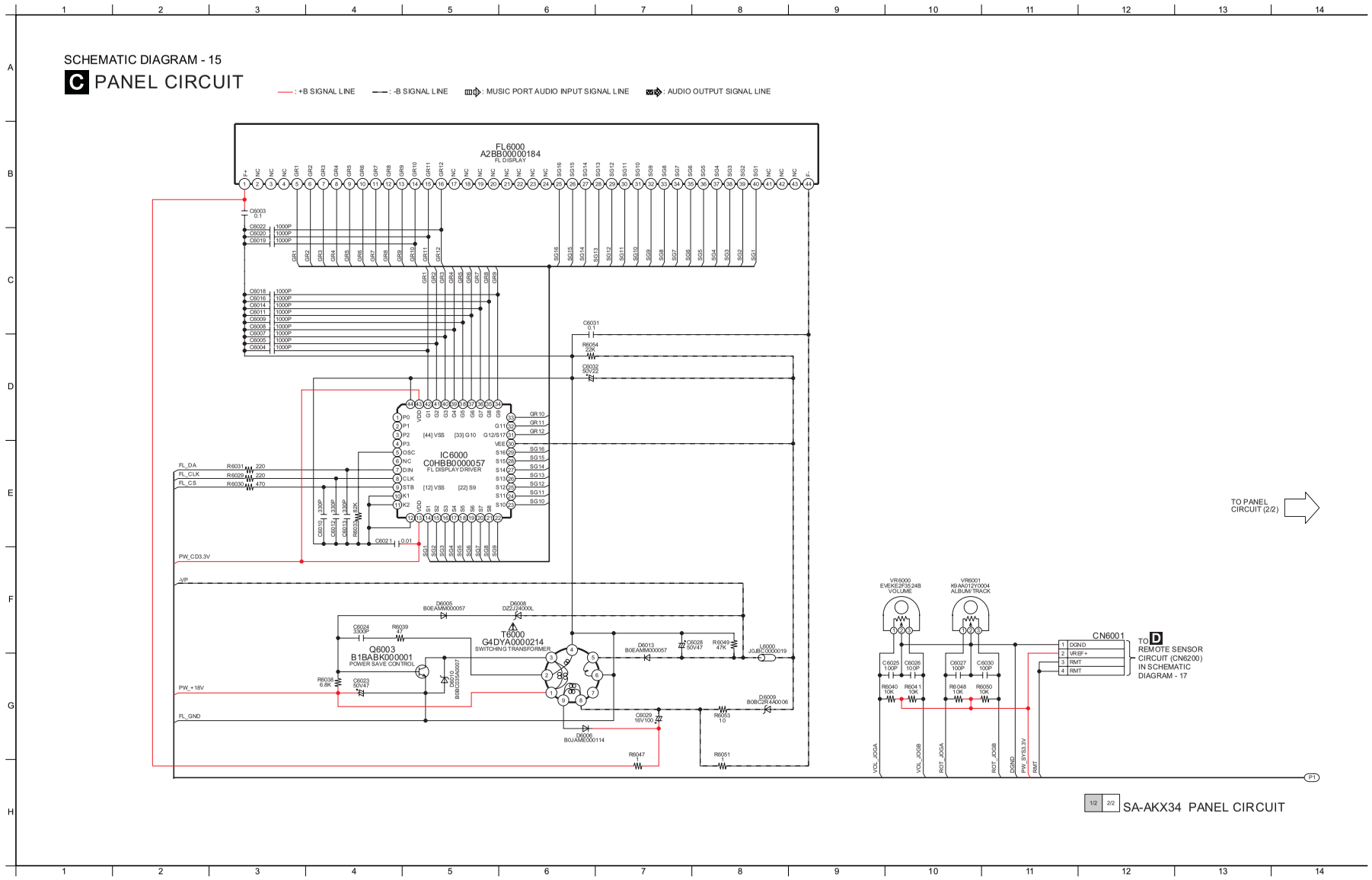


MI: MAIN(MICON): SCHEMATIC DIAGRAM - 5 ~ 12
DA: MAIN(D-AMP): SCHEMATIC DIAGRAM - 13 ~ 14

1/2 2/2 SA-AKX34 MAIN(D-AMP) CIRCUIT

Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 119.

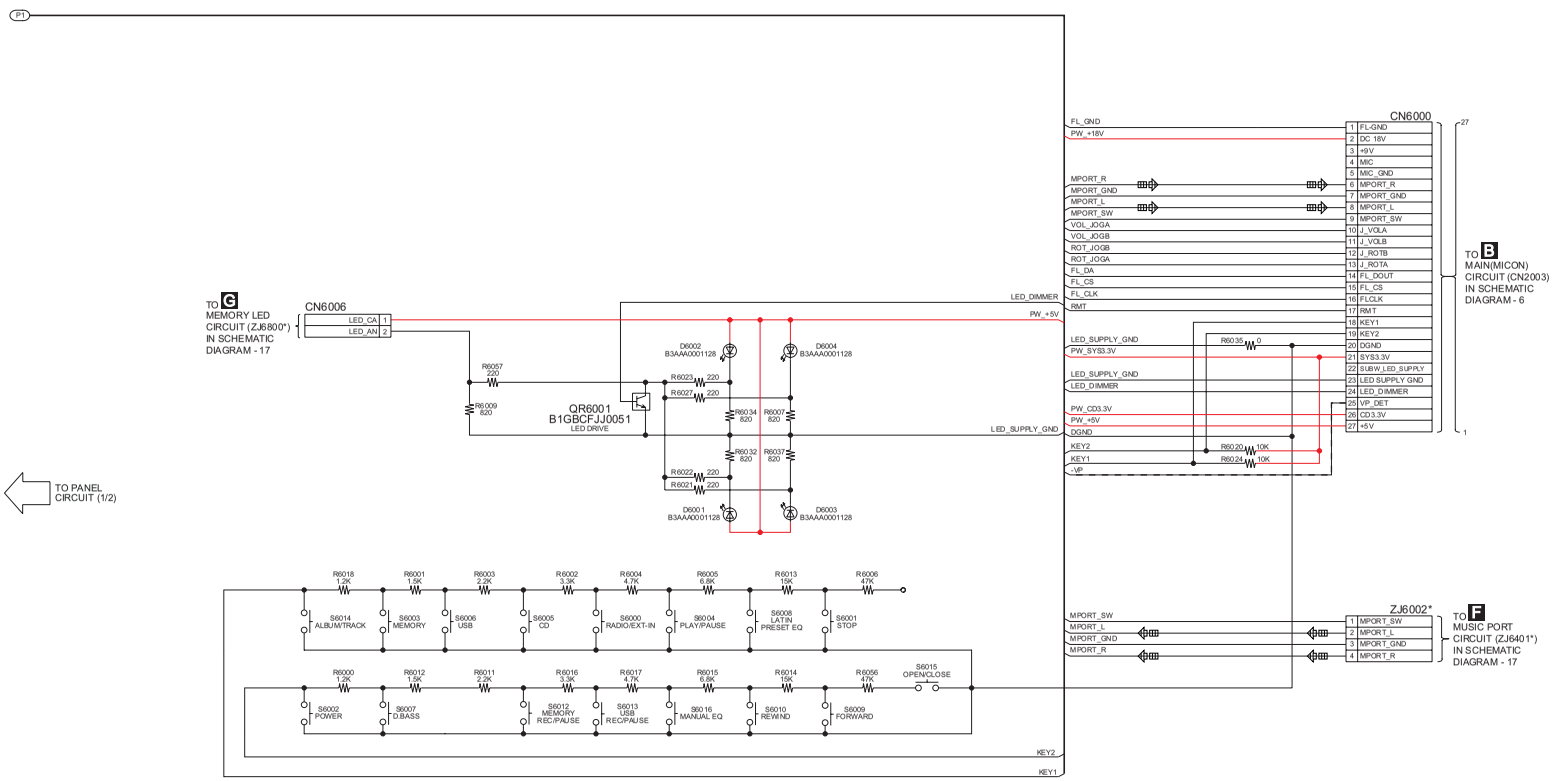
16.5. Panel Circuit



SCHEMATIC DIAGRAM - 16

C PANEL CIRCUIT

—— : +B SIGNAL LINE —— : -B SIGNAL LINE : MUSIC PORT AUDIO INPUT SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE



NOTE: " * " REF IS FOR INDICATION ONLY

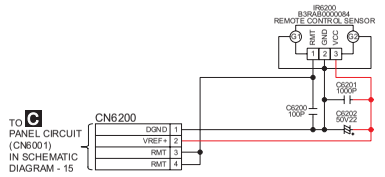
1/2 2/2 SA-AKX34 PANEL CIRCUIT

16.6. Remote Sensor, USB, Music Port and Memory LED Circuit

SCHEMATIC DIAGRAM - 17

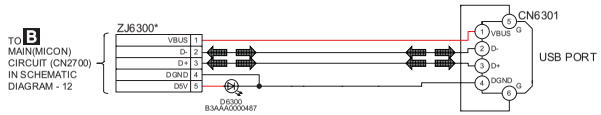
D REMOTE SENSOR CIRCUIT

—— : +B SIGNAL LINE



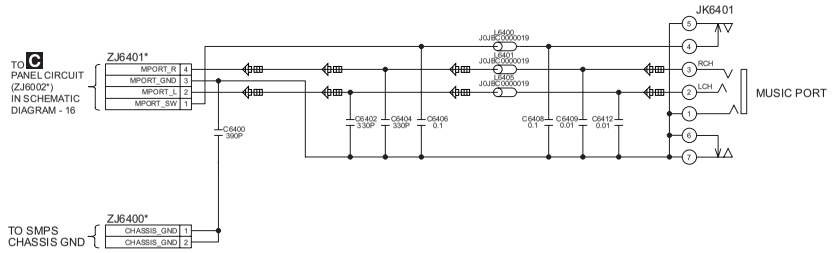
E USB CIRCUIT

—— : +B SIGNAL LINE ▶ : USB SIGNAL LINE

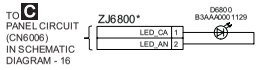


F MUSIC PORT CIRCUIT

▶ : MUSIC PORT AUDIO INPUT SIGNAL LINE ▶ : AUDIO OUTPUT SIGNAL LINE



G MEMORY LED CIRCUIT



NOTE: " * " REF IS FOR INDICATION ONLY

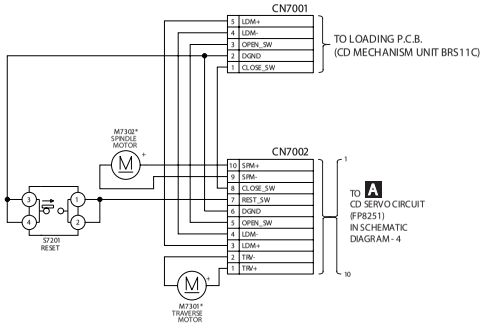
Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 119.

SA-AKX34 REMOTE SENSOR / USB / MUSIC PORT / MEMORY LED CIRCUIT

16.7. CD Interface

SCHEMATIC DIAGRAM - 18

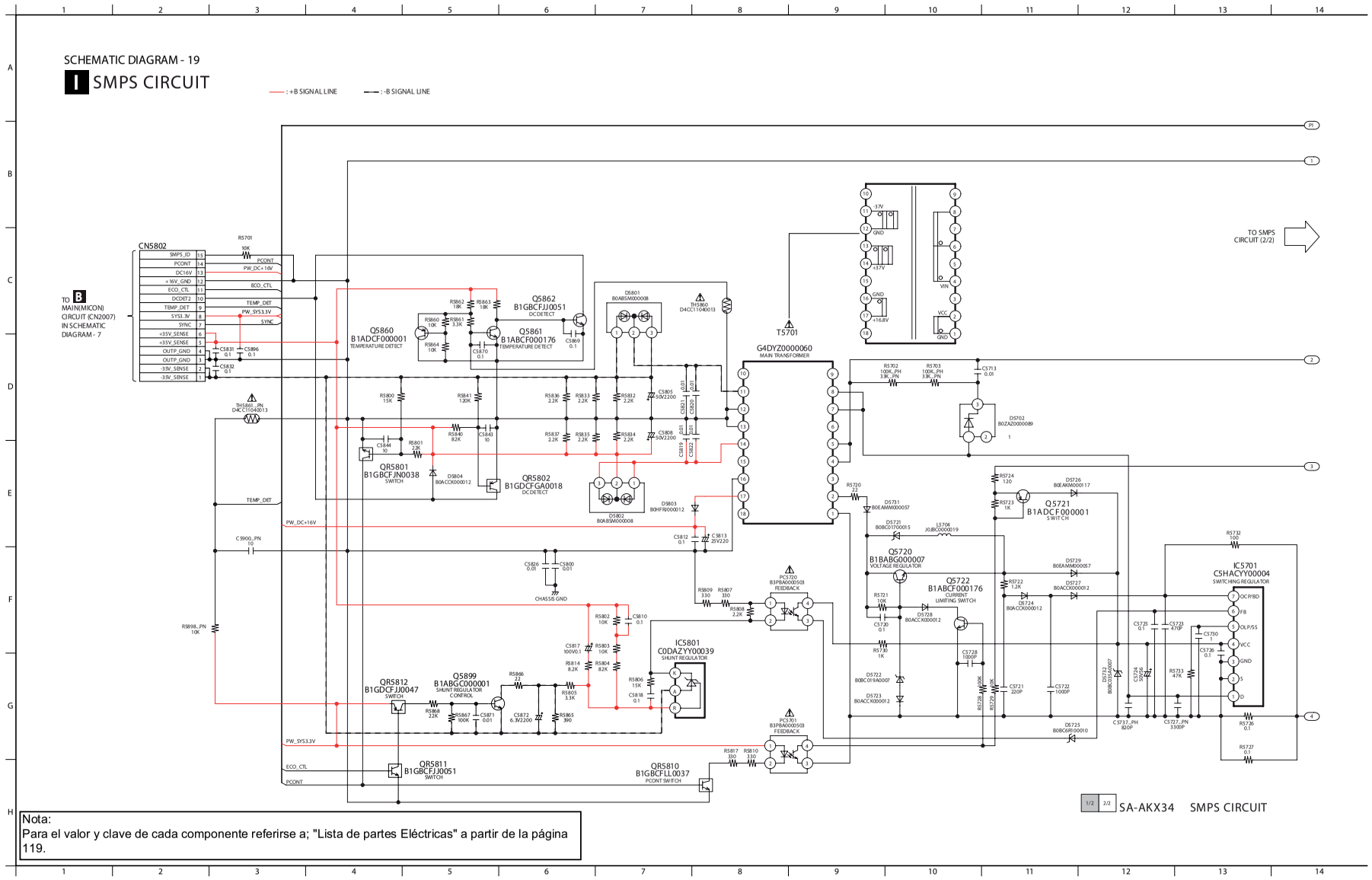
H CD INTERFACE CIRCUIT



Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 119.

SA-AKX34 CD INTERFACE

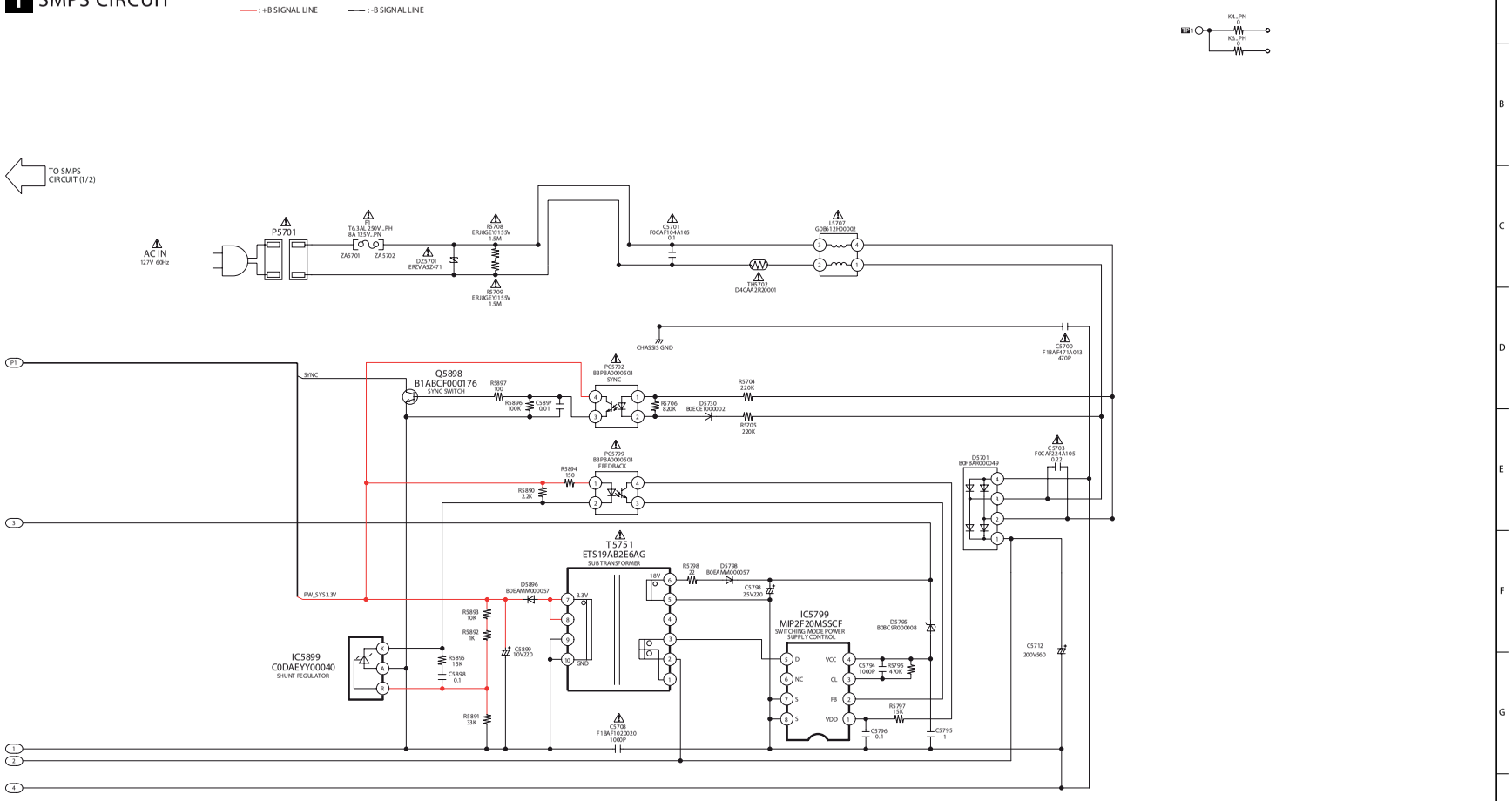
16.8. SMPS Circuit



Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 119.

SCHEMATIC DIAGRAM - 20

I SMPS CIRCUIT



NOTE: " * " REF IS FOR INDICATION ONLY

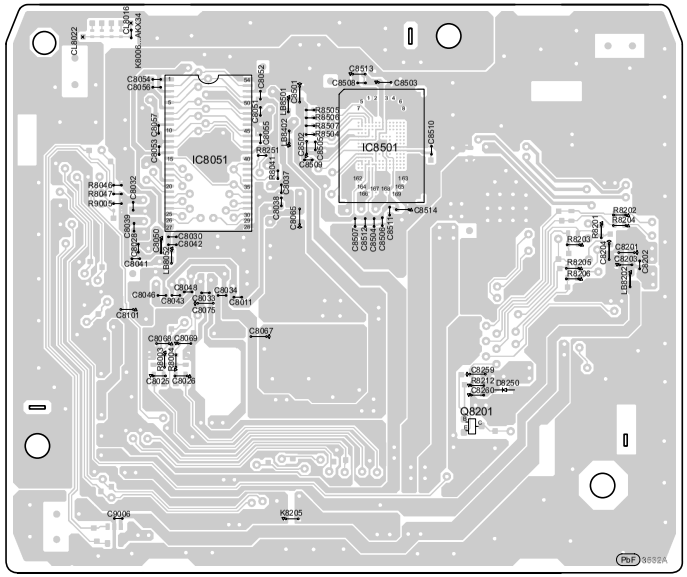
Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 119.

1/2 2/2 SA-AKX34 SMPS CIRCUIT

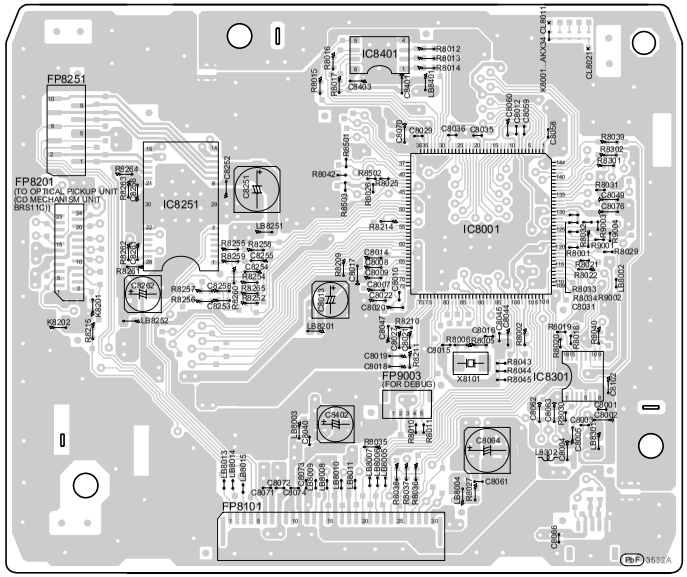
17 Printed Circuit Board

17.1. CD Servo P.C.B.

A CD SERVO P.C.B.



(SIDE A)



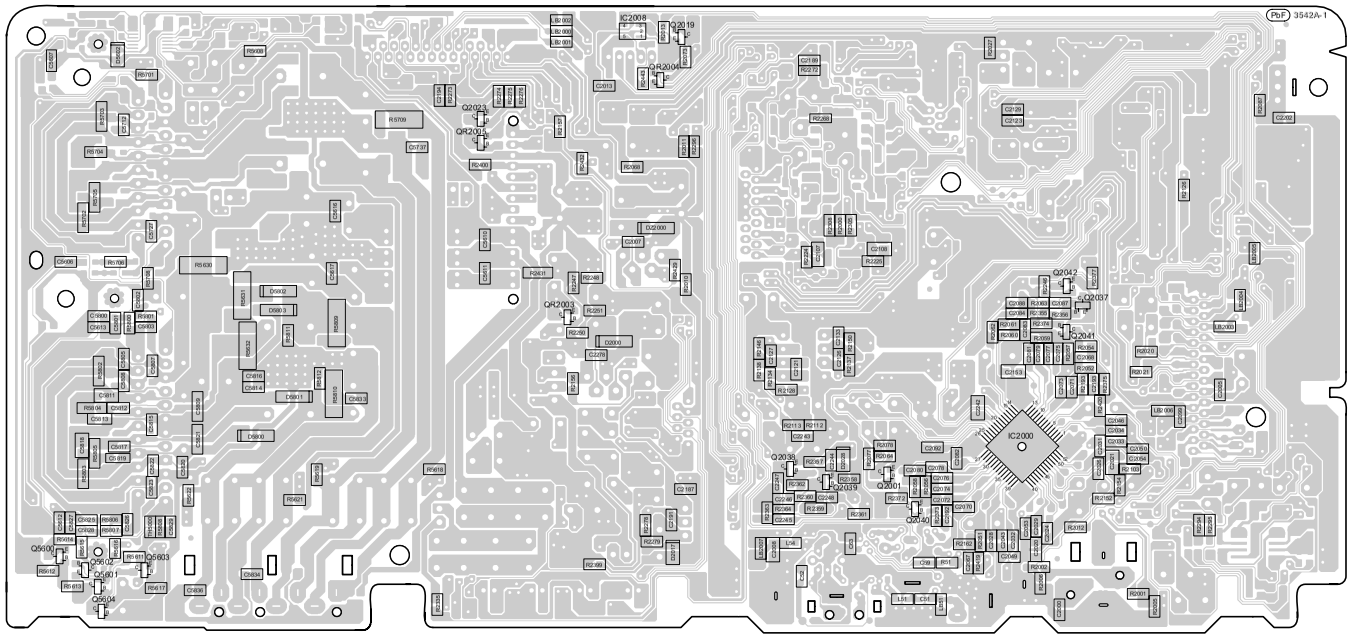
(SIDE B)

Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 119.

SA-AKX34
CD SERVO P.C.B.

17.2. Main P.C.B. (Side A)

B MAIN P.C.B. (RD-DAK100-PX)



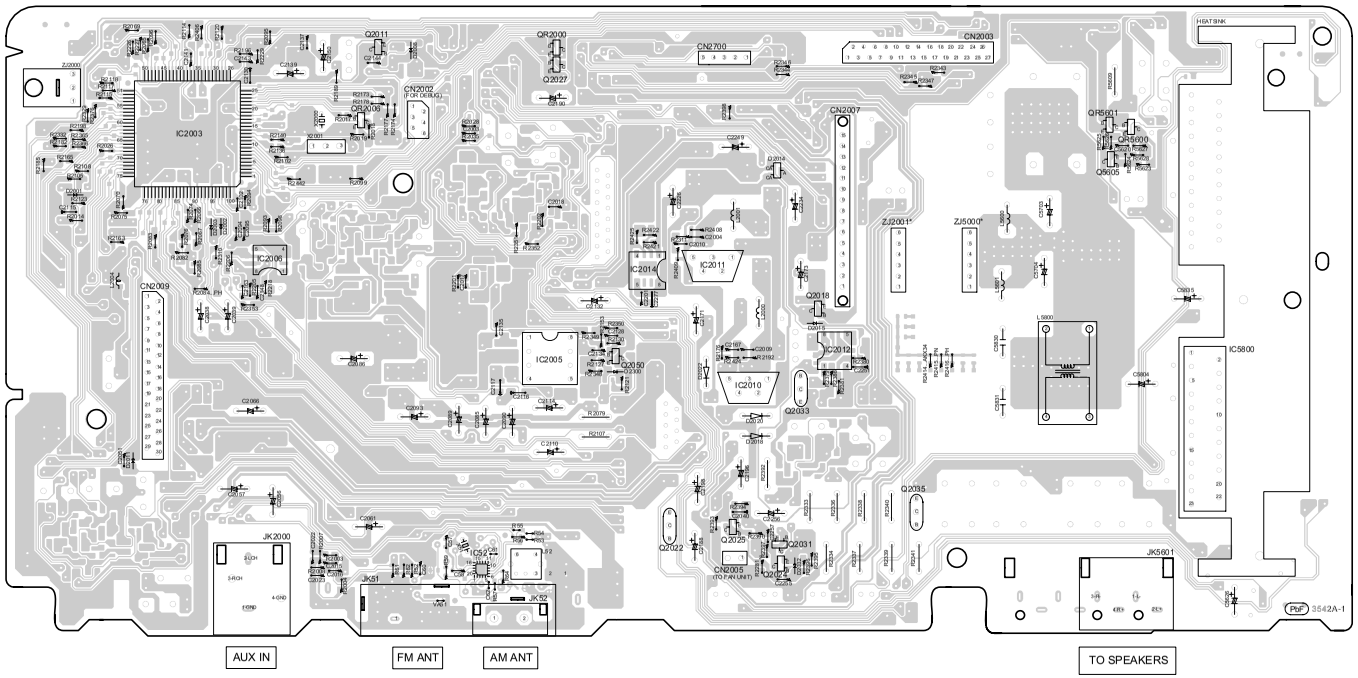
(SIDE A)

Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 119.

SA-AKX34
MAIN P.C.B.

17.3. Main P.C.B. (Side B)

B MAIN P.C.B. (RD-DAK100-PX)



(SIDE B)

NOTE: " * " REF IS FOR INDICATION ONLY.

Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 119.

SA-AKX34
MAIN P.C.B.

RD-DAK100-PX MAIN PCB

Ref. no.	Part No.	Part Name & Description
	REP4768H	MAIN / DAMP / TUNER
CN2003	K1MY27AA0124	1-PIECE CONNECTORS FOR IN-EQUIPMENT USE
	REA4768H	MAIN/PANEL/DAMP SMT TOP UNIT
C2005	F1H1H102A219	CHIP CAPASITOR
C2024	F1H1H102A219	CHIP CAPASITOR
C2026	F1H1H102A219	CHIP CAPASITOR
C2043	F1H1H102A219	CHIP CAPASITOR
C2046	F1H1H102A219	CHIP CAPASITOR
C2053	F1H1H102A219	CHIP CAPASITOR
C2054	F1H1H102A219	CHIP CAPASITOR
C51	F1H1H102A219	CHIP CAPASITOR
C5606	F1H1H102A219	CHIP CAPASITOR
C5607	F1H1H102A219	part Name & Description
C5612	F1H1H102A219	CHIP CAPASITOR
C5613	F1H1H102A219	CHIP CAPASITOR
C5800	F1H1H102A219	CHIP CAPASITOR
C5827	F1H1H102A219	CHIP CAPASITOR
C5829	F1H1H102A219	CHIP CAPASITOR
R2005	D0GB103JA008	CHIP RESISTOR
R2006	D0GB103JA008	CHIP RESISTOR
R2112	D0GB103JA008	CHIP RESISTOR
R2113	D0GB103JA008	CHIP RESISTOR
R2358	D0GB103JA008	CHIP RESISTOR
R2361	D0GB103JA008	CHIP RESISTOR
R5611	D0GB103JA008	CHIP RESISTOR
R5612	D0GB103JA008	CHIP RESISTOR
R5613	D0GB103JA008	CHIP RESISTOR
R5616	D0GB103JA008	CHIP RESISTOR
R2077	D0GB102JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2335	D0GB102JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2356	D0GB102JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2359	D0GB102JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2372	D0GB102JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2374	D0GB102JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2377	D0GB102JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R51	D0GB102JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
C2028	F1H0J1050012	Surface Mounting Multilayer Ceramic Capa
C2029	F1H0J1050012	Surface Mounting Multilayer Ceramic Capa
C2031	F1H0J1050012	Surface Mounting Multilayer Ceramic Capa
C2032	F1H0J1050012	Surface Mounting Multilayer Ceramic Capa
C2033	F1H0J1050012	Surface Mounting Multilayer Ceramic Capa
C2034	F1H0J1050012	Surface Mounting Multilayer Ceramic Capa
C2192	F1H0J1050012	Surface Mounting Multilayer Ceramic Capa
C2193	F1H0J1050012	Surface Mounting Multilayer Ceramic Capa
C2244	F1H0J1050012	Surface Mounting Multilayer Ceramic Capa
C2245	F1H0J1050012	Surface Mounting Multilayer Ceramic Capa
C2248	F1H0J1050012	Surface Mounting Multilayer Ceramic Capa
C63	F1H0J1050012	Surface Mounting Multilayer Ceramic Capa
C2008	F1J1A106A043	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (2125 TYPE)
C2020	F1J1A106A043	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (2125 TYPE)
C2021	F1J1A106A043	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (2125 TYPE)
C2153	F1J1A106A043	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (2125 TYPE)
R2431	D0GFR00JA017	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
C2072	F1H1H333A220	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2073	F1H1H333A220	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2074	F1H1H333A220	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2075	F1H1H333A220	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2076	F1H1H333A220	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2077	F1H1H333A220	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2084	F1H1C683A087	CHIP CAPACITOR
C2088	F1H1C683A087	CHIP CAPACITOR
C2092	F1H1C683A087	CHIP CAPACITOR
C2078	F1H1H563A748	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2079	F1H1H563A748	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2080	F1H1H563A748	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2081	F1H1H563A748	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C5803	F1H1H331A013	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C5826	F1H1H331A013	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
R2078	D0GB563JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2146	D0GB563JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2150	D0GB563JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2051	D0GB122JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type

R2052	D0GB122JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
C2022	F1H1H102A219	CHIP CAPASITOR
C2023	F1H1H102A219	CHIP CAPASITOR
R56	D0GB221JA007	CHIP RESISTOR
D2002	DZ2J033M0L	Voltage regulation diodes
D2003	DZ2J033M0L	Voltage regulation diodes
D2011	DZ2J033M0L	Voltage regulation diodes
D2015	B0ACCK000005	CHIP DIODE
D2014	B0ADDJ000032	SWITCHING DIODES
Q2024	B1ABCF000231	Transistors
Q2025	B1ABCF000231	Transistors
Q2031	B1ABCF000231	Transistors
Q5605	B1ABGC000005	CHIP TRANSISTOR
Q2050	B1ADCE000012	Transistors
Q2018	B1GBCFJJ0051	CHIP TRANSISTOR
QR2003	B1GBCFJJ0051	CHIP TRANSISTOR
QR2006	B1GBCFJJ0051	CHIP TRANSISTOR
QR5601	B1GBCFJJ0051	CHIP TRANSISTOR
Q2011	B1GBCFLL0037	CHIP TRANSISTOR
QR5600	B1GDCFJJ0047	CHIP TRANSISTOR
IC2012	C0ABBB000067	IC
C2144	F1H0J1050012	Surface Mounting Multilayer Ceramic Capa
C2255	F1H0J1050012	Surface Mounting Multilayer Ceramic Capa
C2134	F1H0J4750004	SURFACE MOUNTING MULTILAYER CERAMIC CAPA
C2135	F1H0J4750004	SURFACE MOUNTING MULTILAYER CERAMIC CAPA
C60	F1H1A105A025	CHIP CAPACITOR
IC2014	C0DBEYY00123	ICs For Power Supply
IC52	C1AB00003566	Silicon Labs Shrink Chip Tuner IC (witho
IC2006	C3EBEY000037	EEPROM
R57	D0GA102JA023	CHIP RESISTOR
R55	D0GA221JA023	SMT RESISTOR
R53	D0GA472JA023	CHIP RESISTOR
R54	D0GA472JA023	CHIP RESISTOR
R2396	D0GB101JA008	CHIP RESISTOR
R2069	D0GB102JA008	CHIP RESISTOR
R2076	D0GB102JA008	CHIP RESISTOR
R2130	D0GB102JA008	CHIP RESISTOR
R2165	D0GB102JA008	CHIP RESISTOR
R2196	D0GB102JA008	CHIP RESISTOR
R2198	D0GB102JA008	CHIP RESISTOR
R2365	D0GB102JA008	CHIP RESISTOR
R2366	D0GB102JA008	CHIP RESISTOR
R2376	D0GB102JA008	CHIP RESISTOR
R52	D0GB102JA008	CHIP RESISTOR
R2082	D0GB104JA008	CHIP RESISTOR
R2085	D0GB104JA008	CHIP RESISTOR
R2105	D0GB104JA008	CHIP RESISTOR
R2153	D0GB104JA008	CHIP RESISTOR
R2349	D0GB104JA008	CHIP RESISTOR
R2395	D0GB104JA008	CHIP RESISTOR
R2173	D0GB153JA008	CHIP RESISTOR
R2177	D0GB153JA008	CHIP RESISTOR
R2421	D0GB153JA008	CHIP RESISTOR
R5625	D0GB184JA008	CHIP RESISTOR
R2394	D0GB221JA008	CHIP RESISTOR
R2268	D0GB272JA008	CHIP RESISTOR
R2272	D0GB272JA008	CHIP RESISTOR
R2393	D0GB274JA008	CHIP RESISTOR
R2003	D0GB392JA008	CHIP RESISTOR
R2004	D0GB392JA008	CHIP RESISTOR
R2093	D0GB392JA008	CHIP RESISTOR
R2094	D0GB392JA008	CHIP RESISTOR
R2121	D0GB475JA008	CHIP RESISTOR
R2123	D0GB564JA008	CHIP RESISTOR
R2379	D0GB681JA008	CHIP RESISTOR
R2019	D0GB683JA008	CHIP RESISTOR
R2390	D0GB823JA008	CHIP RESISTOR
D2001	DA2J10100L	SWITCHING DIODES
D2008	DA2J10100L	SWITCHING DIODES
D2032	DA2J10100L	SWITCHING DIODES
D2300	DA2J10100L	SWITCHING DIODES
R5626	ERJ3RBD273V	CHIP RESISTOR
R5627	ERJ3RBD333V	CHIP TEIKOU
VA51	EZAEG2A50AX	ESD SUPRESSOR
C61	F1G1C104A077	CAPACITOR

C62	F1G1C104A077	CAPACITOR
C5620	F1H1H104A013	CHIP CAPACITOR
C57	F1H1H120A230	CHIP CAPASITOR
C58	F1H1H120A230	CHIP CAPASITOR
C2015	F1H1H2210001	CHIP CAPACITOR
C2016	F1H1H2210001	CHIP CAPACITOR
C2128	F1H1H562A219	CHIP CAPACITOR
C2130	F1J1H104A459	CHIP CAP
L2004	G1C100KA0101	COIL
IC2003	MN101EF16KXW	MICROPROCESSOR (VE TYPE)
R2350	D0GB474JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2397	D0GB474JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2224	D0GB471JA008	CHIP RESISTOR
R2225	D0GB471JA008	CHIP RESISTOR
R2000	D0GBR00JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2127	D0GBR00JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2136	D0GBR00JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2140	D0GBR00JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2163	D0GBR00JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2218	D0GBR00JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2305	D0GBR00JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2308	D0GBR00JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2343	D0GBR00JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2351	D0GBR00JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2352	D0GBR00JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2353	D0GBR00JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2380	D0GBR00JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2398	D0GBR00JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2414	D0GBR00JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2415	D0GBR00JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2422	D0GBR00JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R64	D0GBR00JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2007	D0GB332JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2008	D0GB332JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2017	D0GB332JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2344	D0GB332JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2345	D0GB332JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2346	D0GB332JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2347	D0GB332JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2014	D0GB103JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2018	D0GB103JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2099	D0GB103JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2174	D0GB103JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2178	D0GB103JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2182	D0GB103JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2185	D0GB103JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2229	D0GB103JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2329	D0GB103JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2332	D0GB103JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R5624	D0GB103JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2348	D0GB333JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2386	D0GB333JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2381	D0GB123JA008	CHIP RESISTOR
R2026	D0GB473JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2065	D0GB473JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2066	D0GB473JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2067	D0GB473JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2070	D0GB473JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2074	D0GB473JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2075	D0GB473JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2083	D0GB473JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2095	D0GB473JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2096	D0GB473JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2108	D0GB473JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2114	D0GB473JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2115	D0GB473JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2117	D0GB473JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2118	D0GB473JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2120	D0GB473JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2189	D0GB473JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2226	D0GB473JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2227	D0GB473JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2406	D0GB473JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2442	D0GB473JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R61	D0GB473JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE

R62	D0GB473JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
R2429	D0GB105JA008	SURFACE MOUNTING FIXED METAL GLAZE FILM (THICK FILM) RESISTORS , RECTANGULAR TYPE
C2004	F1H1H103A219	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2007	F1H1H103A219	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2009	F1H1H103A219	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2201	F1H1H103A219	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2257	F1H1H103A219	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
ZH009	RJB3542A-2	PRINTED CIRCUIT BOARD (MAIN/DAMP/TUNER)
C2040	F1J1A106A043	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (2125 TYPE)
C2107	F1J1A106A043	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (2125 TYPE)
C2108	F1J1A106A043	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (2125 TYPE)
C2115	F1J1A106A043	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (2125 TYPE)
C2116	F1J1A106A043	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (2125 TYPE)
C2117	F1J1A106A043	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (2125 TYPE)
C2251	F1J1A106A043	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (2125 TYPE)
C2277	F1J1A106A043	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (2125 TYPE)
D2000	B0JCPD000025	SCHOTTKY BARRIER DIODES
R2281	D0GB682JA008	CHIP RESISTOR
R2310	ERJ3RBD1002V	SURFACE MOUNTING FIXED RESISTORS , RECTANGULAR TYPE
R2409	ERJ3RBD272V	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2098	D0GB472JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2102	D0GB472JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2205	D0GB472JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2206	D0GB472JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2425	D0GB472JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2176	D0HB152ZA002	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2311	D0HB152ZA002	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R5628	D0HB152ZA002	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R59	D0GB222JA008	CHIP RESISTOR
R2192	D0HB102ZA002	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2408	D0HB102ZA002	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
C2163	F1H1H331A013	CHIP CAPACITOR
R2424	ERJ3RBD682V	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R5623	D0GB124JA008	CHIP RESISTOR
C2148	F1H1H223A219	CHIP CAPACITOR
C2010	F1H1A474A107	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2167	F1H1A474A107	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2094	F1H1C104A042	CONDENSER
C2095	F1H1C104A042	CONDENSER
C2102	F1H1C104A042	CONDENSER
C2137	F1H1C104A042	CONDENSER
C2141	F1H1C104A042	CONDENSER
C2143	F1H1C104A042	CONDENSER
C2189	F1H1C104A042	CONDENSER
D2018	B0EAKM000117	RECTIFIER
D2020	B0EAKM000117	RECTIFIER
D2022	B0EAKM000117	RECTIFIER
Q2022	B1AAJC000019	Transistors
Q2033	B1AAJC000019	Transistors
Q2035	B1BABG000007	TRANSISTOR
R2107	D0AF220JA039	RESISTOR
R2392	D0AF270JA039	RESISTOR
R2079	D0AF330JA039	RADIAL RESISTOR
C5830	ECQV1H474JL3	CAPACITOR
C5831	ECQV1H474JL3	CAPACITOR
R5609	ERG2SJ102E	Electrical Part
R2333	ERG2SJ471E	RESISTOR
R2334	ERG2SJ471E	RESISTOR
R2336	ERG2SJ471E	RESISTOR
R2337	ERG2SJ471E	RESISTOR
R2338	ERG2SJ471E	RESISTOR
R2339	ERG2SJ471E	RESISTOR
R2340	ERG2SJ471E	RESISTOR
R2341	ERG2SJ471E	RESISTOR
C2196	F2A0J101A181	ELECTROLYTIC CAPACITOR
C5626	F2A0J101A245	ELECTROLYTIC CAPACITOR
C2173	F2A0J471B035	Electrical Part
C2056	F2A1A330B138	Electrical Part
C2132	F2A1A330B138	Electrical Part
C2188	F2A1A330B138	Electrical Part
C2249	F2A1A330B138	Electrical Part
C2234	F2A1E102B396	Electrical Part
C2110	F2A1E2210093	Electrical Part
C2061	F2A1H1R0A213	ELECTROLYTIC CAPACITOR
C2066	F2A1H1R0A213	ELECTROLYTIC CAPACITOR

C2090	F2A1H1R0A213	ELECTROLYTIC CAPACITOR
C5703	F2A1H221B436	Electrical Part
C5704	F2A1H221B436	Electrical Part
C2085	F2A1H3R3A213	ELECTROLYTIC CAPACITOR
C2086	F2A1H3R3A213	ELECTROLYTIC CAPACITOR
C2089	F2A1H3R3A213	ELECTROLYTIC CAPACITOR
C2150	F2A1H3R3A213	ELECTROLYTIC CAPACITOR
C2057	F2A1H4R7A213	ELECTROLYTIC CAPACITOR
C5804	F2A2A220A388	Electrical Part
L5600	J0JKB0000020	EMI BEAD CORE
L5601	J0JKB0000020	EMI BEAD CORE
ZJ2000	K9ZZ00001279	EARTH PLATE
C2093	F2A1C221B456	Electrical Part
C2114	F2A1C221B456	Electrical Part
C2190	F2A1C221B456	Electrical Part
C2139	F2A0J221B034	ALUMINUM NON-SOLID ELECTROLYTIC CAPACITORS , LEAD TYPE
C2256	F2A0J221B034	ALUMINUM NON-SOLID ELECTROLYTIC CAPACITORS , LEAD TYPE
C2171	F2A1C102A019	Aluminum non-solid electrolytic capacitors , lead type
C2198	F2A1C102A019	Aluminum non-solid electrolytic capacitors , lead type
C2226	F2A0J821B044	ALUMINUM NON-SOLID ELECTROLYTIC CAPACITORS , LEAD TYPE
C2038	F2A1C100A207	Aluminum non-solid electrolytic capacitors , lead type
C2039	F2A1C100A207	Aluminum non-solid electrolytic capacitors , lead type
C5835	F2A1C100A207	Aluminum non-solid electrolytic capacitors , lead type
X2001	H2B800400007	Piezo-ceramic resonators with built-in capacitors , lead type
R5809	D0GZ220JA012	CHIP RESISTOR
R5810	D0GZ220JA012	CHIP RESISTOR
D2028	DA2J10100L	SWITCHING DIODES
C5812	F1H1H153A219	CHIP CAPACITOR
C5817	F1H1H153A219	CHIP CAPACITOR
C2083	F1H1H223A219	CHIP CAPACITOR
C5808	F1H1H330A230	CHIP CAPASITOR
C2082	F1H1H332A013	CHIP CAPACITOR
C2121	F1H1H470A004	CHIP CAPACITOR
C2126	F1H1H470A004	CHIP CAPACITOR
C2242	F1J1E1040003	CHIP CAPACITOR
C5811	F1J2A221A030	DPIM SURFACE MOUNTING MULTILAYER CERAMIC
C5813	F1J2A221A030	DPIM SURFACE MOUNTING MULTILAYER CERAMIC
C5818	F1J2A221A030	DPIM SURFACE MOUNTING MULTILAYER CERAMIC
C5819	F1J2A221A030	DPIM SURFACE MOUNTING MULTILAYER CERAMIC
C5809	F1K2A1040007	CHIP CAPACITOR
C5821	F1K2A1040007	CHIP CAPACITOR
L51	G1CR18JA0020	SURFACE MOUNTING INDUCTORS
LB2006	J0JBC0000019	CHIP INDUCTOR
LB51	J0JBC0000032	CHIP COIL
D5602	DZ2J051M0L	Voltage regulation diodes
C2087	F1H0J4750004	SURFACE MOUNTING MULTILAYER CERAMIC CAPA
C59	F1H1A105A025	CHIP CAPACITOR
C2067	F1H1A474A107	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2068	F1H1A474A107	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2070	F1H1A474A107	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2071	F1H1A474A107	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C52	F1H1A474A107	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C5801	F1H1A474A107	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C5802	F1H1A474A107	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C5825	F1H1A474A107	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C5828	F1H1A474A107	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2243	F1H1C104A042	CONDENSER
C2246	F1H1C104A042	CONDENSER
C2247	F1H1C104A042	CONDENSER
C5815	F1H1C474A140	Electrical Part
C2049	F1H1H101A720	CHIP CAPACITOR
C2050	F1H1H101A720	CHIP CAPACITOR
C2013	F1H1H104A013	CHIP CAPACITOR
C5610	F1H1H104A013	CHIP CAPACITOR
C5611	F1H1H104A013	CHIP CAPACITOR
C5616	F1H1H104A013	CHIP CAPACITOR
C5617	F1H1H104A013	CHIP CAPACITOR
C5805	F1H1H104A013	CHIP CAPACITOR
C5807	F1H1H104A013	CHIP CAPACITOR
C5810	F1H1H104A013	CHIP CAPACITOR
C5814	F1H1H104A013	CHIP CAPACITOR
C5816	F1H1H104A013	CHIP CAPACITOR
C5820	F1H1H104A013	CHIP CAPACITOR
C5822	F1H1H104A013	CHIP CAPACITOR
C5823	F1H1H104A013	CHIP CAPACITOR

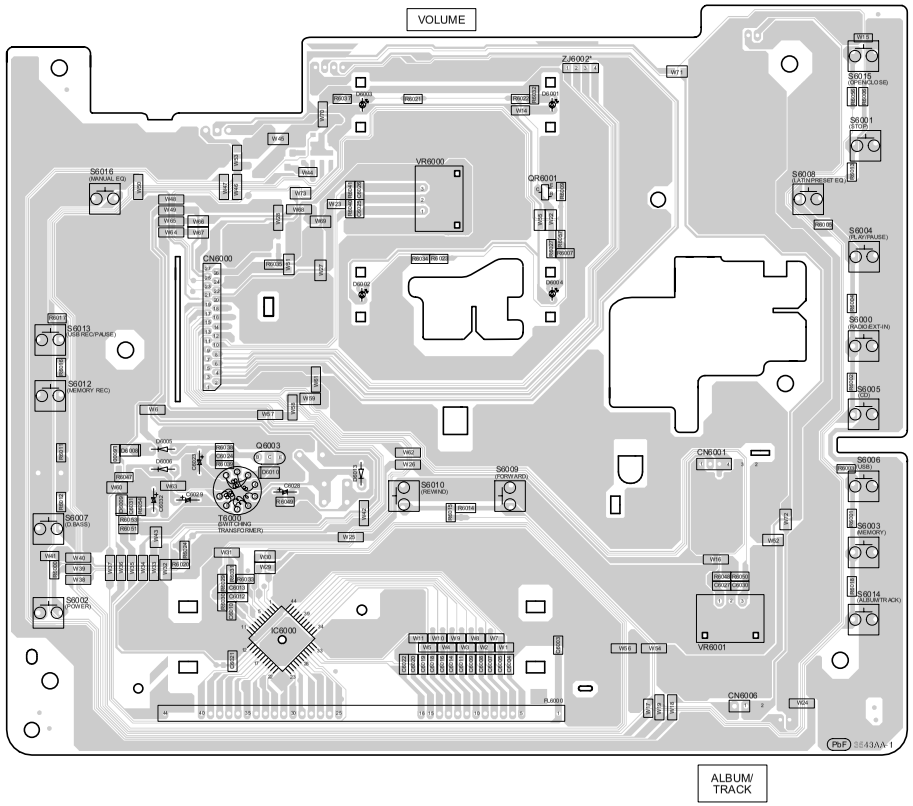
C5832	F1H1H104A013	CHIP CAPACITOR
C5833	F1H1H104A013	CHIP CAPACITOR
D5800	B0HCSP000001	DIODE
D5801	B0HCSP000001	DIODE
D5802	B0HCSP000001	DIODE
D5803	B0HCSP000001	DIODE
Q2037	B1ABCF000176	SILICON TRANSISTOR
Q2038	B1ABCF000176	SILICON TRANSISTOR
Q2040	B1ABCF000176	SILICON TRANSISTOR
Q2041	B1ABCF000176	SILICON TRANSISTOR
Q2042	B1ABCF000176	SILICON TRANSISTOR
Q5601	B1ABCF000176	SILICON TRANSISTOR
Q5602	B1ABCF000176	SILICON TRANSISTOR
Q5603	B1ABCF000176	SILICON TRANSISTOR
Q5604	B1ABCF000176	SILICON TRANSISTOR
Q2001	B1ABCF000231	Transistors
QR2000	B1GBCFJJ0051	CHIP TRANSISTOR
QR2005	B1GBCFJJ0051	CHIP TRANSISTOR
IC2008	C0DBZYY00311	Electrical Part
IC2000	C1AB00003256	Electrical Part
R2246	D0GB101JA008	CHIP RESISTOR
R2278	D0GB101JA008	CHIP RESISTOR
R5808	D0GB101JA008	CHIP RESISTOR
R2062	D0GB154JA008	THICK FILM CHIP RESISTOR
R5619	D0GB154JA008	THICK FILM CHIP RESISTOR
R5622	D0GB154JA008	THICK FILM CHIP RESISTOR
R2364	D0GB222JA008	CHIP RESISTOR
R2060	D0GB223JA008	CHIP RESISTOR
R2061	D0GB223JA008	CHIP RESISTOR
R2035	D0GB271JA008	CHIP RESISTOR
R2276	D0GB271JA008	CHIP RESISTOR
R2028	D0GB2R2JA007	CHIP RESISTOR
R2273	D0GB2R2JA007	CHIP RESISTOR
R2274	D0GB2R2JA007	CHIP RESISTOR
R2275	D0GB2R2JA007	CHIP RESISTOR
R2363	D0GB333JA008	CHIP RESISTOR
R2362	D0GB474JA008	CHIP RESISTOR
R2357	D0GB475JA008	CHIP RESISTOR
R5802	D0GF100JA014	CHIP RESISTOR
R5803	D0GF100JA014	CHIP RESISTOR
R5804	D0GF100JA014	CHIP RESISTOR
R5805	D0GF100JA014	CHIP RESISTOR
C2123	F1H1H180A230	Surface mounting multilayer ceramic capacitors , rectangular type (1608 type)
C2129	F1H1H180A230	Surface mounting multilayer ceramic capacitors , rectangular type (1608 type)
R2012	D0GB182JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2103	D0GB182JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
C2127	F1H1H821A831	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2133	F1H1H821A831	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
R2073	D0GB104JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2360	D0GB104JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R5618	D0GB104JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R5621	D0GB104JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2250	D0GB183JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2373	D0GB183JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2375	D0GB183JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2248	D0GB153JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2355	D0GB153JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2001	D0GB822JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2002	D0GB822JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2063	D0GB822JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2064	D0GB822JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2152	D0GB822JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2154	D0GB822JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R5617	D0GB822JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2251	D0GB123JA008	CHIP RESISTOR
C2202	D0GBR00JA008	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)1
L54	D0GBR00JA008	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)1
LB2000	D0GBR00JA008	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)1
LB2001	D0GBR00JA008	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)1
LB2002	D0GBR00JA008	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)1
LB2003	D0GBR00JA008	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)1
LB2004	D0GBR00JA008	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)1
LB2005	D0GBR00JA008	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)1
LB2007	D0GBR00JA008	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)1
R2010	D0GBR00JA008	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)1

R2011	D0GBR00JA008	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)1
R2013	D0GBR00JA008	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)1
R2020	D0GBR00JA008	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)1
R2021	D0GBR00JA008	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)1
R2027	D0GBR00JA008	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)1
R2054	D0GBR00JA008	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)1
R2068	D0GBR00JA008	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)1
R2128	D0GBR00JA008	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)1
R2134	D0GBR00JA008	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)1
R2157	D0GBR00JA008	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)1
R2247	D0GBR00JA008	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)1
R2279	D0GBR00JA008	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)1
R2296	D0GBR00JA008	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)1
R2399	D0GBR00JA008	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)1
R2400	D0GBR00JA008	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)1
R2419	D0GBR00JA008	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)1
R2420	D0GBR00JA008	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)1
R2432	D0GBR00JA008	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)1
R5608	D0GBR00JA008	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)1
R2126	D0GB473JA008	CHIP RESISTOR
R2137	D0GB562JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2138	D0GB562JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R5800	D0GB562JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R5801	D0GB562JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R5806	D0GB562JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R5807	D0GB562JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R5811	D0GB562JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R5812	D0GB562JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2156	D0GB105JA008	CHIP RESISTOR
C2000	F1H1H103A219	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2003	F1H1H103A219	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2099	F1H1H103A219	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2187	F1H1H103A219	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2191	F1H1H103A219	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2194	F1H1H103A219	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2278	F1H1H103A219	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C5834	F1H1H103A219	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C5836	F1H1H103A219	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
D2017	B0BC5R6A0266	VOLTAGE REGULATION DIODES
QR2004	B1GBCFGN0016	RESISTOR BUILT-IN TYPE TRANSISTORS
R2443	D0GB331JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R5614	D0GB272JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R5615	D0GB272JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R5630	D0YRR0000001	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)
R5631	D0YRR0000001	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)
R5632	D0YRR0000001	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)
TH5000	D4CC11040013	NTC THERMISTORS
DZ2000	B0JCPD000025	SCHOTTKY BARRIER DIODES
Q2019	B1ADCE000012	SMALL SIGNAL SILICON TRANSISTORS (ALLOWABLE LOSS: LESS THAN 1 W)
Q2023	B1ADCE000012	SMALL SIGNAL SILICON TRANSISTORS (ALLOWABLE LOSS: LESS THAN 1 W)
Q2027	B1ADCE000012	SMALL SIGNAL SILICON TRANSISTORS (ALLOWABLE LOSS: LESS THAN 1 W)
Q2039	B1ADCE000012	SMALL SIGNAL SILICON TRANSISTORS (ALLOWABLE LOSS: LESS THAN 1 W)
Q5600	B1ADCE000012	SMALL SIGNAL SILICON TRANSISTORS (ALLOWABLE LOSS: LESS THAN 1 W)
R2162	D0GB330JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2193	D0GB330JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2294	D0GB682JA008	CHIP RESISTOR
R2295	D0GB682JA008	CHIP RESISTOR
R2056	D0GB332JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2057	D0GB332JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2058	D0GB273JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2059	D0GB273JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
IC2005	C0AABB000125	OP AMP IC
IC5800	C1BA00000497	Electrical Part
L5800	G0A150L00003	NORMAL-MODE LINE CHOKE COILS
L2000	G0A330ZA0045	coil
L2001	G0A330ZA0045	coil
L52	G2A380Y00002	Electrical Part
X2000	H0A327200181	CRYSTAL RESONATORS ,LEAD TYPE
X51	H0A327200181	CRYSTAL RESONATORS ,LEAD TYPE
CN2005	K1KA02AA0186	FAN CONNECTOR
CN2009	K1MY30AA0124	Electrical Part
CN2007	K1YZ15000001	Parts and accessories for connectors use
JK2000	K2HA204B0153	CONNECTOR
JK52	K4AC02B00042	AM ANTENNA TERMINAL JACK
JK5601	K4AL04B00001	2CH SPEAKER JACK

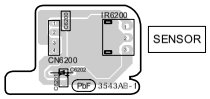
JK51	K4ZZ02000103	Electrical Part
ZJ2007	REX1527	15P FLAT WIRE SMPS TO MAIN
ZH011	RZGGHG308	Grease, Oils
ZH003	RZHXHFLF3129	HASACONI LEAD FREE FLUX (QF3129M)
ZH005	Z-NP103 1.6	Z_BLOCK
ZA11	RMY0418	HEATSINK SMALL
ZA10	RMCX0035	HEAT SINK CLIP A
CN2700	K1KA05AA0193	2-PIECE CONNECTORS FOR IN-EQUIPMENT USE (PCB SIDE)
IC2010	C0DAAYG00001	Electrical Part
IC2011	C0DAAYG00001	Electrical Part
ZJ2001	REX1531	6P FLAT WIRE MAIN TO MAIN PCB

17.4. Panel, Remote Sensor, USB and Music Port P.C.B.

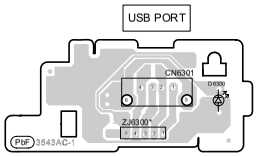
C PANEL P.C.B. (REPM12X343A)



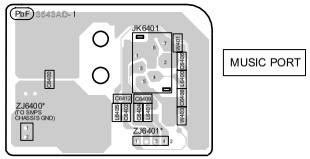
D REMOTE SENSOR P.C.B. (REPM12X343A)



E USB P.C.B. (REPM12X343A)



F MUSIC PORT P.C.B. (REPM12X343A)



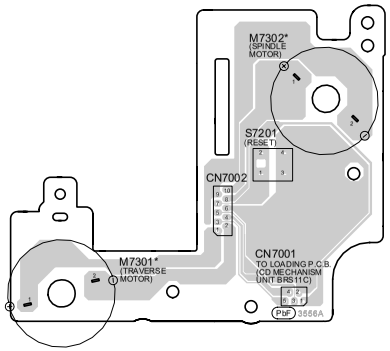
NOTE: " * " REF IS FOR INDICATION ONLY.

Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 119.

17.5. Memory LED and CD Interface P.C.B

G MEMORY LED P.C.B. (REPM12X343A)

H CD INTERFACE P.C.B. (RD-DDL100-PX)



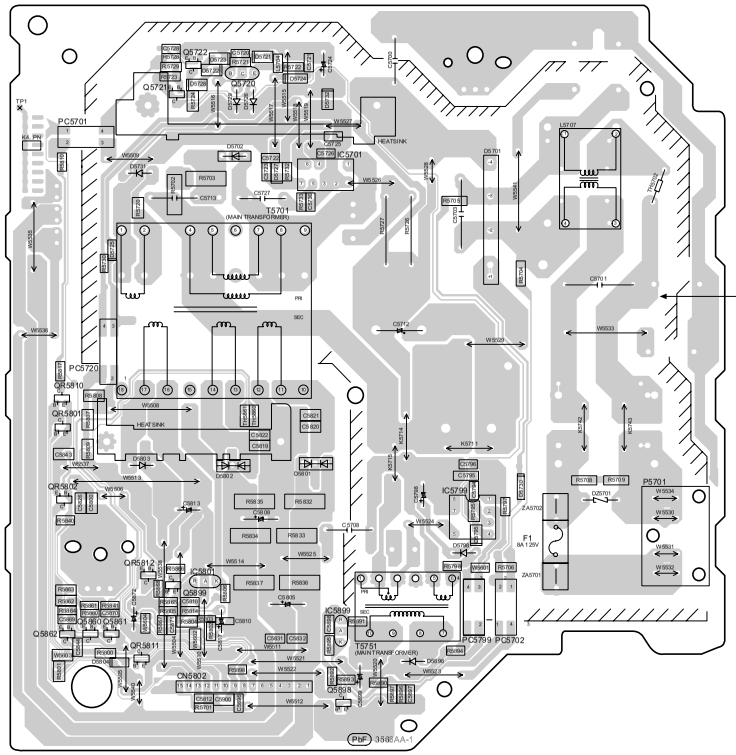
NOTE: " * " REF IS FOR INDICATION ONLY.

Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 119.

SA-AKX34
MEMORY LED / CD INTERFACE P.C.B.

17.7. SMPS P.C.B.

I SMPS P.C.B. (REPM12X340A)



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

AC IN ~
120V 60Hz

Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 119.

SA-AKX34
SMPS P.C.B.

18 Appendix Information of Schematic Diagram

18.1. Voltage & Waveform Chart

Note:

- Indication Voltage Values are in 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 voltage values, depending on the internal impedance of the DC circuit tester.
- Circuit voltage and waveform described herein shall be regarded as reference information when probing defect point because it may differ from actual measuring value due to difference of Measuring instrument and its measuring condition and product itself.

18.1.1. CD Servo P.C.B. (1/3)

REF NO.	IC8001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	3.2	1.4	1.4	0.7	0.7	1.2	3.3	1.2	0	3.3	3.2	3.3	0	0.1	1.8	1.8	1.7	3.3	0	1.7

REF NO.	IC8001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	1.7	1.7	1.7	0	3.3	3.3	1.5	3.3	3.3	2.5	8	3.3	0.7	3.2	3.3	0	3.3	3.3	3.3	3.3

REF NO.	IC8001																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
CD PLAY	3.3	3.3	0	3.3	3.3	0	1.2	1.7	1.7	1.5	1.6	0	1.7	1.7	2	2	1.8	1.9	1.9	1.8

REF NO.	IC8001																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
CD PLAY	0.2	2.4	0	3.3	1.7	1.7	1	1	1	1.2	1.3	1.7	1.7	1.4	1.4	0.5	0	3.3	3.3	0.9

REF NO.	IC8001																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CD PLAY	0	0	0	0	0	0	1.2	3.2	1.5	0	0	3.3	0	1.7	1.7	1.2	3.3	0	0	0

REF NO.	IC8001																			
MODE	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
CD PLAY	1.2	0	3.3	3.3	3.2	3.3	3.3	3.3	1.5	1.5	1.32	3.3	3.3	0	1.3	1.3	1.3	1.3	3.3	3.3

REF NO.	IC8001																			
MODE	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
CD PLAY	1.2	0	0	3.3	0	0	0	3.3	0	0	3.3	0	3.2	3.2	0	0.8	0.8	1.6	0	0

REF NO.	IC8001																			
MODE	141	142	143	144																
CD PLAY	0	1.2	1.4	0.7																

REF NO.	IC8051																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	3.3	0.7	3.3	0.7	1.4	0	1.4	0.7	3.3	1.4	1.4	0	1.4	3.3	3.3	3.3	3.3	3.3	0	0

REF NO.	IC8051																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	0	0.1	1.8	1.8	1.7	3.3	0	1.7	1.7	1.7	1.7	0	3.3	3.3	0	3.3	1.5	3.3	0

REF NO.	IC8051																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54						
CD PLAY	0	0.6	3.3	1.2	1.2	0	1.2	0.6	3.3	1.2	1.2	0	1.2	0						

REF NO.	IC8251																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	1.6	9.1	2.5	1.6	2.4	3	3	9	0	0	4.6	4.6	2.6	2.7	2.6	2.7	2	3.1	5	0

SA-AKX34 CD SERVO P.C.B.

18.1.2. CD Servo P.C.B. (2/3)

REF NO.	IC8251																			
MODE	21	22	23	24	25	26	27	28	29	30										
CD PLAY	1.5	0	1.5	9.3	9.3	1.7	1.7	3.3	0	0										

REF NO.	IC8301																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
CD PLAY	2.3	1.5	0	0	0	5	3.2	0	0	0.9	0.9	0.9	0	3.3	0	0				

REF NO.	IC8401																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	1.8	2.5	3.3	0	3.2	0.8	3.3	3.3												

REF NO.	IC8501																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0	0	0	0	0	0	0	0	0	3.0	3.0	3.0	0	0	3.0	0	0	0	0

REF NO.	IC8501																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	0	0	0	0	0	0	0	0	3.0	0	0	0	0	0	0	3.0	3.0	0	0

REF NO.	IC8501																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
CD PLAY	0	3.0	3.0	3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

REF NO.	IC8501																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
CD PLAY	0	3.0	0	0	0	0	0	0	0	3.0	3.0	3.0	3.0	0	0	0	0	0	0	0

REF NO.	IC8501																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CD PLAY	0	0	0	0	0	0	0	0	0	0	0	0	0	3.0	3.0	3.0	3.0	3.0	3.0	3.0

REF NO.	IC8501																			
MODE	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
CD PLAY	3.0	3.0	3.0	3.0	3.0	3.0	0	0	3.0	0	0	0	0	3.0	3.0	3.0	0	0	0	0

REF NO.	IC8501																			
MODE	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
CD PLAY	0	0	3.0	3.0	3.0	0	0	0	0	3.0	0	0	0	0	0	3.0	3.0	0	0	0

REF NO.	IC8501																			
MODE	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
CD PLAY	0	0	0	3.0	0	0	0	0	0	3.0	0	3.0	0	0	0	0	0	3.0	0	0

REF NO.	IC8501																			
MODE	161	162	163	164	165	166	167	168	169											
CD PLAY	0	0	0	0	0	0	0	0	0											

SA-AKX34 CD SERVO P.C.B.

18.1.3. CD Servo P.C.B. (3/3)

REF NO.	Q8201																			
MODE	E	C	B																	
CD PLAY	2.4	2	3																	

SA-AKX34 CD SERVO P.C.B.

18.1.4. Main P.C.B. (1/3)

REF NO.	IC52																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
TUNER	0	1.5	0	3.0	3.0	0	3.0	3.3	3.3	3.3	3.3	0	1.4	0.3	0	0	3.3	3.0	0	0

REF NO.	IC2000																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER ON	0	3.1	2.0	0	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	0	0	3.3	3.3
STANDBY	0	0	0	0	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	0	0	3.3	3.3

REF NO.	IC2000																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
POWER ON	8.6	0	0.2	0	0.7	4.4	4.4	0.3	4.2	4.2	4.2	4.2	4.3	4.4	4.4	0	2.0	3.1	0	0
STANDBY	8.6	0	0.2	0	0.7	4.4	4.4	0.3	4.2	4.2	4.2	4.2	4.3	4.4	4.4	0	0	0	0	0

REF NO.	IC2000																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52								
POWER ON	0	3.0	0	4.0	0	4.3	4.0	0	0	3.0	0	0								
STANDBY	0	0	0	0	0	4.3	0	0	0	0	0	0								

REF NO.	IC2003																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER ON	0	3.3	3.3	0	0	0	1.2	0	3.3	3.3	0	1.5	1.6	0	1.1	1.7	3.3	1.8	3.2	3.2
STANDBY	0	3.3	3.3	0	0	0	1.2	0	3.3	3.3	0	1.5	1.6	0	1.1	1.7	3.3	1.8	3.2	0

REF NO.	IC2003																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
POWER ON	3.2	3.2	3.3	0	3.0	0	1.9	3.3	0	3.3	0	0	0	0	0	1.7	1.8	0	0	0
STANDBY	0	3.2	3.3	0	3.0	0	1.9	3.3	0	3.3	0	0	0	0	0	1.7	1.8	0	0	0

REF NO.	IC2003																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
POWER ON	0	0	3.0	0	0	0	0	3.3	0	0	0	3.3	3.3	0	0	0	0	0	0	0
STANDBY	0	0	3.0	0	0	0	0	3.3	0	0	0	3.3	3.3	0	0	0	0	0	0	0

REF NO.	IC2003																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
POWER ON	0	0	0	3.0	3.0	0	0	0	3.3	0	0	0	3.3	3.3	3.3	3.3	3.3	0	0	0
STANDBY	0	0	0	3.0	3.0	0	0	0	3.3	0	0	0	3.3	3.3	3.3	3.3	3.3	0	0	0

REF NO.	IC2003																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
POWER ON	0	3.3	3.3	0	0	3.3	3.3	3.3	3.3	0	0	0	0.6	0.9	3.3	0	0.9	3.3	2.6	3.3
STANDBY	0	3.3	3.3	0	0	3.3	3.3	3.3	3.3	0	0	0	0.6	0.9	3.3	0	0.9	3.3	2.6	3.3

REF NO.	IC2005																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	9.0	9.0	9.0	0	9.0	9.0	9.0	17.8												
STANDBY	0	0	0	0	0	0	0	17.8												

SA-AKX34 MAIN P.C.B.

18.1.5. Main P.C.B. (2/3)

REF NO.	IC2006																			
MODE	1	2	3	4	5	6	7	8												
POWER ON	0	0	0	0	2.0	3.0	3.0	3.3												
STANDBY	0	0	0	0	2.0	3.0	3.0	3.3												

REF NO.	IC2008																			
MODE	1	2	3	4	5															
POWER ON	5.2	0	3.3	3.3	5.2															
STANDBY	5.2	0	3.3	3.3	5.2															

REF NO.	IC2010																			
MODE	1	2	3	4	5															
POWER ON	18.2	9.3	0	1	2.9															
STANDBY	18.2	9.3	0	1	2.9															

REF NO.	IC2011																			
MODE	1	2	3	4	5															
POWER ON	18.0	5.2	0	1.0	2.9															
STANDBY	18.0	5.2	0	1.0	2.9															

REF NO.	IC2012																			
MODE	1	2	3	4	5	6	7	8												
POWER ON	7.1	0.5	0.5	0	0	0	0	18.0												
STANDBY	7.1	0.5	0.5	0	0	0	0	18.0												

REF NO.	IC2014																			
MODE	1	2	3	4	5	6	7	8												
POWER ON	3.4	0.8	0	0	5.1	0	0	5.2												
STANDBY	3.4	0.8	0	0	5.1	0	0	5.2												

REF NO.	IC5800																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	-11.0	0	0	34.5	0	-32.9	-24.6	35.6	0	0	-34.0	-31.0	-34.0	0	9.0	34.6	-34.0	-34.0	0	34.0
STANDBY	-11.0	0	0	34.5	0	-32.9	-24.6	35.6	0	0	-34.0	-31.0	-34.0	0	9.0	34.6	-34.0	-34.0	0	34.0

REF NO.	IC5800																			
MODE	21	22	23																	
CD PLAY	0	0	5.0																	
STANDBY	0	0	2.3																	

REF NO.	Q2001				Q2011				Q2023				Q2035				Q2037			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	0	0	0		0	3.3	0		18.2	0	18.1		0	34.1	2.0		0	4.4	3.0	
STANDBY	0	0	0		0	3.3	0		18.2	0	18.1		0	34.1	2.0		0	4.4	3.0	

REF NO.	Q2038				Q2039				Q2040				Q2041				Q2042			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	0	1.9	1.5		0.9	0	1.9		0	4.3	4.4		0	4.4	4.3		0	3.3	0	
STANDBY	0	1.9	1.5		0.9	0	1.9		0	4.3	4.4		0	4.4	4.3		0	3.3	0	

SA-AKX34 MAIN P.C.B.

18.1.6. Main P.C.B. (3/3)

REF NO.	Q2050				Q5603				Q5604				Q5605				QR5600			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	0	0	9.0		0	3.3	0		0	3.3	0		-37.1	2.4	1.0		5.0	1.0	4.8	
STANDBY	0	0	0.2		0	3.3	0		0	3.3	0		-37.1	2.4	1.0		5.0	1.0	4.8	

REF NO.	QR5601																			
MODE	E	C	B																	
CD PLAY	0	4.8	0																	
STANDBY	0	4.8	0																	

REF NO.	Q2018				Q2022				Q2024				Q2025				Q2027			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
POWER ON	0	5.0	0		5.1	7.0	5.8		0	3.2	1.0		0	1.0	5.0		9.0	8.9	9.0	
STANDBY	0	5.0	0		5.1	7.0	5.8		0	3.2	1.0		0	1.0	5.0		9.0	8.9	9.0	

REF NO.	Q2031				Q2033				Q5600				Q5601				Q5602			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
POWER ON	0	3.3	3.2		16.0	18.2	7.1		5.1	5.1	4.5		0	5	0		0	0	0.6	
STANDBY	0	3.3	3.2		16.0	18.2	7.1		5.1	5.1	4.5		0	5	0		0	0	0.6	

REF NO.	QR2000				QR2003				QR2005				QR2006							
MODE	E	C	B		E	C	B		E	C	B		E	C	B					
POWER ON	0	0	8.9		0	3.3	0		0	3.3	0		0	3.2	3.2					
STANDBY	0	0	8.9		0	3.3	0		0	3.3	0		0	3.2	3.2					

REF NO.	Q2019				QR2004															
MODE	E	C	B		E	C	B													
USB	5.2	5.0	0		0	0	3.3													
STANDBY	5.2	0	0		0	0	0													

SA-AKX34 MAIN P.C.B.

18.1.7. Panel P.C.B.

REF NO.	IC6000																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER ON	0	0	0	0	2.0	0	0	0	2.3	0	0	0	3.4	-16.2	-16.2	-19.9	-21.9	-20.0	-21.9	-19.9
STANDBY	0	0	0	0	2.0	0	0	0	2.3	0	0	0	3.4	-16.2	-16.2	-19.9	-21.9	-20.0	-21.9	-19.9

REF NO.	IC6000																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
POWER ON	-19.9	-21.9	-23.7	-21.9	-14.2	-21.9	-16.2	-21.9	-23.9	-24.3	-24.3	-22.0	-21.9	3.40	-21-9	-21.9	-21.9	21.9	-21.9	-21.9
STANDBY	-19.9	-21.9	-23.7	-21.9	-14.2	-21.9	-16.2	-21.9	-23.9	-24.3	-24.3	-22.0	-21.9	3.40	-21-9	-21.9	-21.9	21.9	-21.9	-21.9

REF NO.	IC6000																			
MODE	41	42	43	44																
POWER ON	-22.0	-22.0	3.4	0																
STANDBY	-22.0	-22.0	3.4	0																

REF NO.	Q6003				QR6001															
MODE	E	C	B		E	C	B													
POWER ON	0	17.8	0		0	0	0													
STANDBY	0	17.8	0		0	0	0													

SA-AKX34 PANEL P.C.B.

18.1.8. SMPS P.C.B.

REF NO.	IC5701																				
MODE	1	2	3	4	5	6	7														
POWER ON	164.8	0	0	19.1	0	1.4	0.5														
STANDBY	164.8	0	0	19.1	0	1.4	0.5														

REF NO.	IC5799																				
MODE	1	2	3	4	5	6	7	8													
POWER ON	5.9	1.0	2.3	11.0	164.2	0	0	0													
STANDBY	5.9	1.0	2.3	11.0	164.2	0	0	0													

REF NO.	IC5801																				
MODE	K	A	R																		
POWER ON	2.4	2.0	-30.0																		
STANDBY	2.4	2.0	-30.0																		

REF NO.	IC5899																				
MODE	K	A	R																		
POWER ON	1.2	0	0																		
STANDBY	1.2	0	0																		

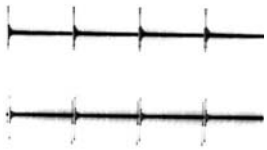
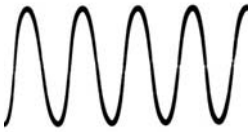
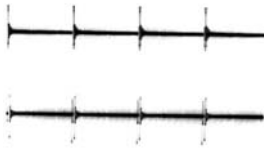
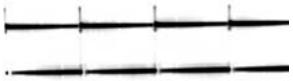
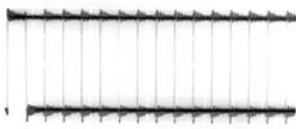
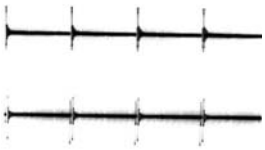
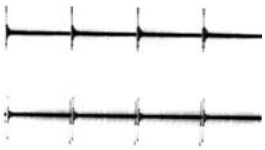
REF NO.	Q5720				Q5721				Q5722				Q5860				Q5861			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
POWER ON	7.3	8.5	7.6		19.7	19.7	19.0		0	19.6	0		0	35.2	0		1.3	0	0.7	
STANDBY	7.4	8.6	7.7		19.7	19.7	19.0		0	19.6	0		0	35.2	0		1.3	0	0.7	

REF NO.	Q5862				Q5898				Q5899				QR5801				QR5802			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
POWER ON	0	0	0.7		0	3.3	0		-30.0	-30.0	0		0	3.1	0		0	3.3	6.6	
STANDBY	0	3.3	0		0	3.3	0		-30.0	-30.0	0		0	3.1	0		0	3.3	6.6	

REF NO.	QR5810				QR5811				QR5812												
MODE	E	C	B		E	C	B		E	C	B										
POWER ON	0	0	3.1		0	0.5	2.0		3.3	0	0.5										
STANDBY	0	0	3.1		0	0.5	2.0		3.3	0	0.5										

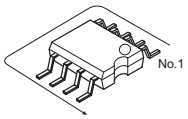
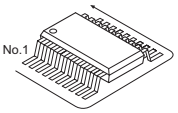
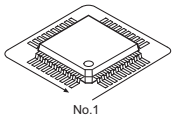
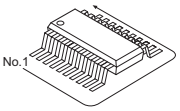
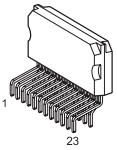
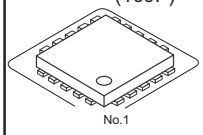
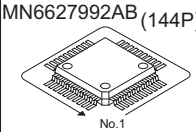
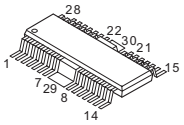
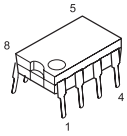
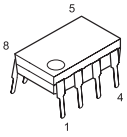
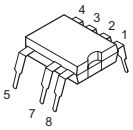
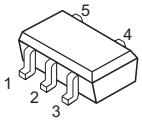
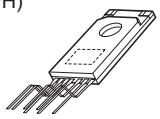
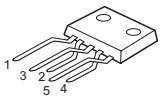
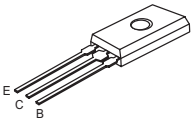
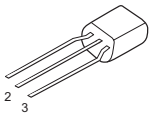
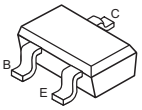
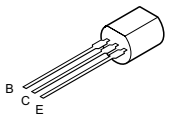
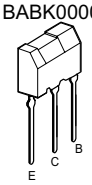
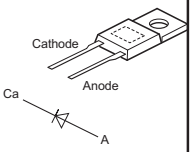
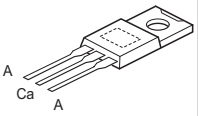
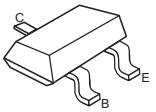
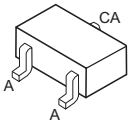
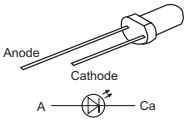
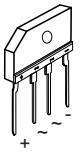
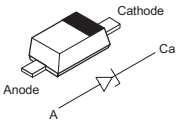
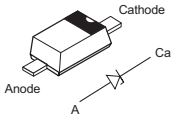
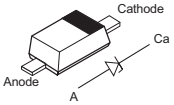
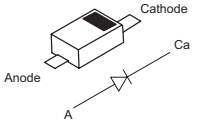
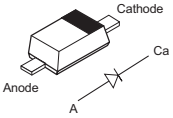
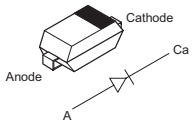
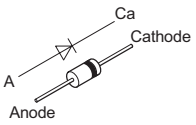
SA-AKX34 SMPS P.C.B.

18.1.9. Waveform Table

WF No. IC52-2,13,14 (PLAY)  0.1Vp-p(200usec/div)	WF No. IC2000-2,3,42,50 (PLAY)  0.48Vp-p(1usec/div)	WF No. IC2000-5,6,7 (PLAY)  2Vp-p(200usec/div)	WF No. IC2000-17,22 (PLAY)  0.48Vp-p(1usec/div)
WF No. IC2000-44,47 (PLAY)  1.1Vp-p(50usec/div)	WF No. IC2003-12,13 (PLAY)  4Vp-p(50nsec/div)	WF No. IC2003-15,16 (PLAY)  3Vp-p(10usec/div)	WF No. IC2005-1,2,6,7 (PLAY)  0.52Vp-p(1usec/div)
WF No. IC5800-10,14 (PLAY)  44Vp-p(1usec/div)	WF No. IC5800-2,21 (PLAY)  2Vp-p(1usec/div)	WF No. IC8001-55,56,57,58,59, 60 (PLAY)  0.5Vp-p(2usec/div)	WF No. IC8001-94,95 (PLAY)  2.5Vp-p(200usec/div)
WF No. IC8001-123,125 (PLAY)  0.4Vp-p(5usec/div)	WF No. IC8301-1,2 (PLAY)  2Vp-p(200usec/div)	WF No. IC8301-9 (PLAY)  0.4Vp-p(1usec/div)	

18.2. Illustration of ICs, Transistor and Diode

*Este material se encuentra sin programar, debe ser programado.

C0ABBB000067 (8P) 	C0FBAK000026(16P) C3ABPG000163(54P) 	C0HBB0000057 (44P) 	C0DBEYY00123 (8P) C3FBMY000303 (8P) 	C1BA00000497 (23P) 	C1AB00003566 (20P) C3FBXY000039 (169P) 
C1AB00003256 (52P) *MN101EF16KXW (100P) MN6627992AB (144P) 	C0GBY0000117 	C3EBEY000037 (8P) 	C0AABB000125 (8P) 	MIP2F20MSSCF (8P) 	C0DBZYY00311 
C5HACYY00004 (7P) (PN) C5HACYY00005 (7P) (PH) 	C0DAAYG00001 	B1BABG000007 	C0DAZYY00039 C0DAEYY00040 	B1ABCF000176 B1ABGC000001 B1ABGC000005 	B1ADCE000012 B1ADCF000001 B1GBCFJJ0051 B1GBCFLL0037 B1GDCFGA0018 B1GBCFGN0016 B1GDCFJJ0047
B1AAJC000019 	B1BABK000001 	B0HFRJ000012 B0ZAZ0000089 	B0ABSM000008 	B0ADDJ000032 B1ABCF000231 	B1GBCFJN0038 
B3AAA0000487 B3AAA0001128 B3AAA0001129 	B0FBAR000049 	DZ2J033M0L DZ2J24000L DZ2J051M0L 		B0BC010A0007 (PH) B0BC01700015 (PN) B0BC019A0007 B0BC035A0007 B0BC2R4A0006 B0BC6R100010 B0BC9R000008	B0BC5R600003 B0BC5R6A0266 
B0ECET000002 	B0ACCK000005 B0ACCK000012 DA2J10100L 	B0HCSP000001 B0JCPD000025 		B0EAKM000117 B0EAMM000057 B0HAMP000094 (PH) B0JAME000114	

18.3. Terminal Function of ICs

18.3.1. IC2003 (*MN101EF16KXW): IC MICRO-PROCESSOR

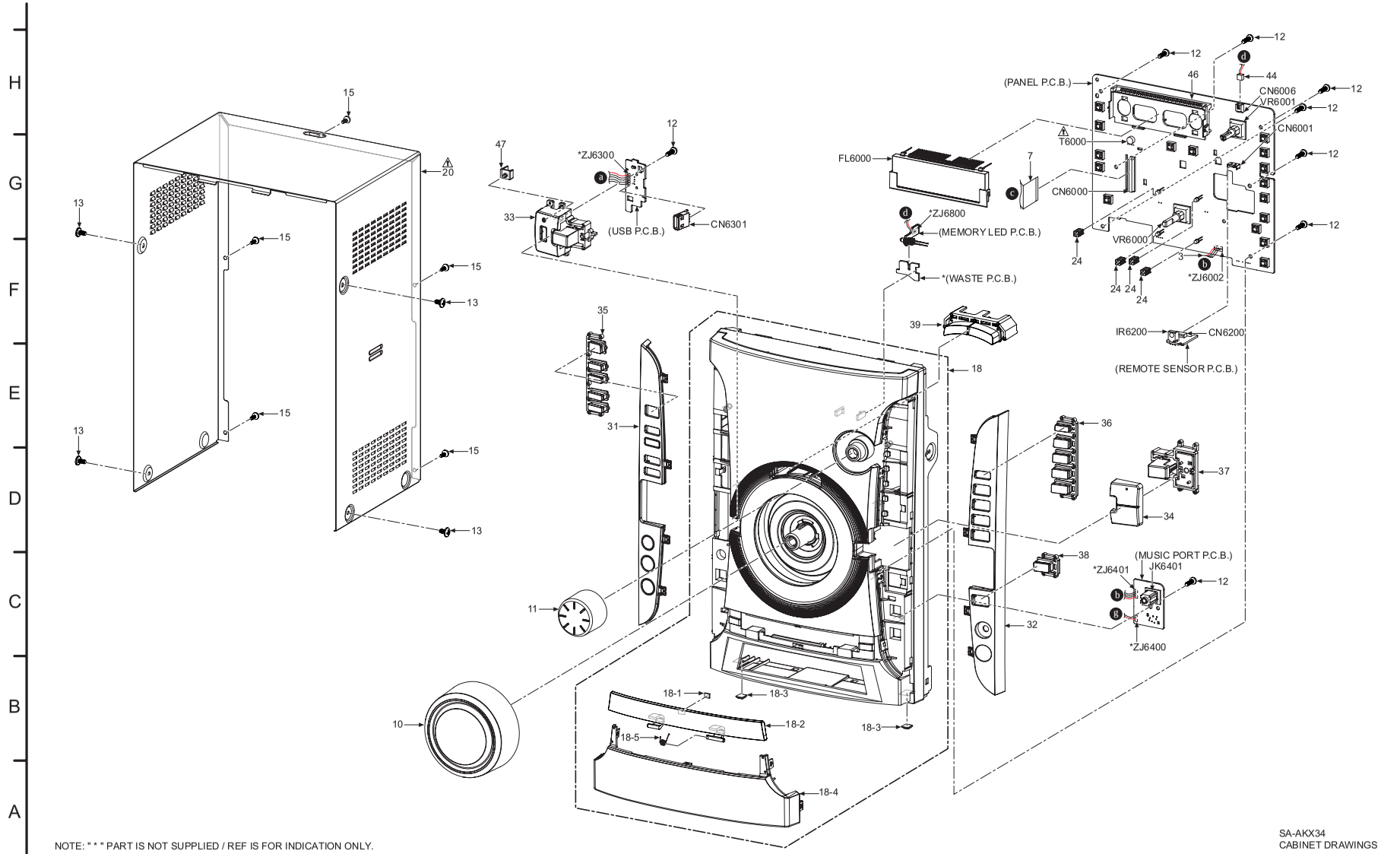
*Este material se encuentra sin programar, debe ser programado.

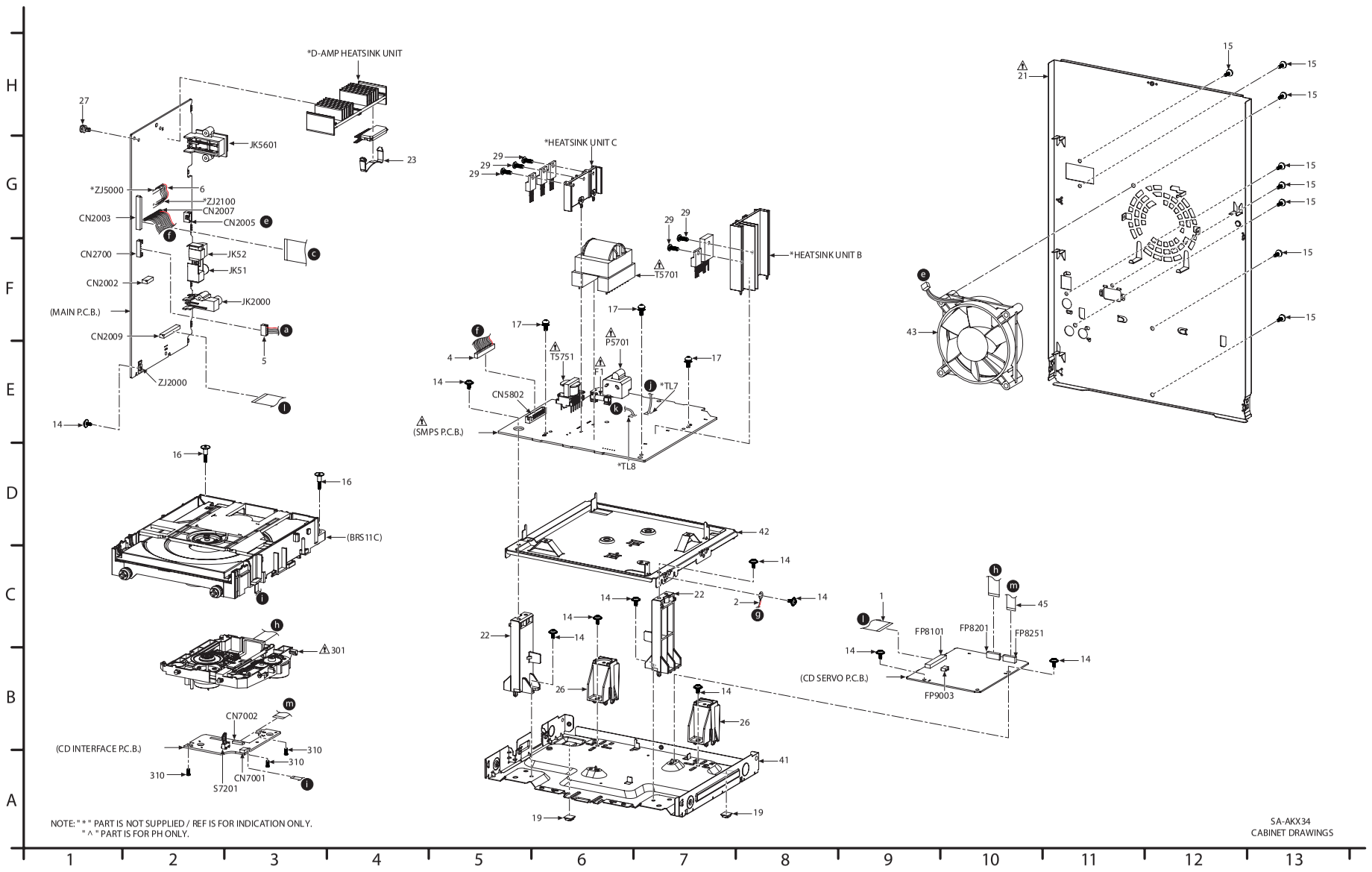
Pin No.	Terminal Name	I/O	Function
1	CLIP ATTN	O	Clipping attenuation
2	ASP_DATA	O	ASP data
3	ASP_CLK	O	ASP Clock
4	OCD_SDA	O	OCD Serial data
5	SW_MUTE	O	Subwoofer Muting
6	OCD_SCL	O	OC Serial Clock
7	M.PORT_SW	I	Music Port Detect
8	HP_SW	I	Headphone Detect
9	VOL_JOGA	I	Volume Jog A Signal
10	VOL_JOGB	I	Volume Jog B Signal
11	MM0D0 (GND)	-	Ground
12	XTOUT	O	Oscillator Output
13	XTIN	I	Oscillator Input
14	VSS	-	Ground
15	XI	I	Oscillator Input
16	XO	O	Oscillator Output
17	VDD3.3	-	+3.3 Voltage Supply
18	VDD1.8	-	+1.8 Voltage Supply
19	NRST	I	Reset Input (Active L)
20	FAN_OUT1	O	Fan Speed Control 1
21	FAN_OUT2	O	Fan Speed Control 2
22	TU_SDA	O	Tuner Serial Data
23	TU_CLK	O	Tuner Clock
24	TU_RST	O	Tuner Reset
25	TU_INT	I	Tuner Interrupt
26	PCONT	O	Power Control
27	SYNC	I	AC Failure Detection Input
28	DCDET2	I	DC Detect (D-AMP IC Failure Detection)
29	ECO_CNTRL	O	Eco Mode Control
30	NC	-	No Connection
31	SMPS_BP	O	SMPS Breatproof
32	ROTARY JOGB	O	Rotary jog for browse operation (Album & Track)
33	ROTARY JOGA	O	Rotary jog for browse operation (Album & Track)
34	EE_DATA	O	EEPROM IC Serial data
35	EE_CS	O	EEPROM IC Chip select
36	EE_CLK	O	EEPROM IC Serial clock
37	VDD18	-	+1.8V Voltage Supply
38	LED DIMMER	O	LCD Display Brightness Control
39	VSS	-	Ground
40	NC	-	No Connection
41	MUTE_F	O	Digital Amp Muting control
42	F_HOP1	O	Frequency Hopping
43	DCDECT1	I	DC Detect (Power Supply Failure Detection)
44	MODE_DA	O	Digital Amp On/Off control
45	BASS_CTR	O	Bass Control
46	MUSIC_CTR	O	Music Control
47	NC	-	No Connection
48	NC	-	No Connection
49	NC	-	No Connection
50	NC	-	No Connection
51	SW_LVL_1	O	Subwoofer Level Setting 1
52	SW_LVL_2	O	Subwoofer Level Setting 2
53	NC	-	No Connection
54	NC	-	No Connection
55	NC	-	No Connection
56	CLOSE_SW	I	CD Close Switch Detection
57	CD_OPEN_SW	I	CD Open Switch Detection
58	CD_RESET_SW	I	CD Reset Detection
59	LOAD_CCW	O	Loading Motor Turning Counter-Clockwise (Tray Close)
60	LOAD_CW	O	Loading Motor Turning Counter-Clockwise (Tray Open)
61	CD_RESET	O	CD Reset
62	USB_IN	I	USB Input Detection
63	VSS	-	Ground
64	CD_BLKCK	I	CD Block Clock
65	CD_MLD	O	CD Loading
66	NC	-	No Connection
67	REGION 3	I	Region Setting 3
68	NC	-	No Connection
69	CR TIMER	I	CR Timer
70	OC	I	USB Over Current
71	EN	O	USB Enable
72	CD_MDATA (SYS_RXD)	O	CD data
73	CD_STAT (SYS_TXD)	I	CD Status
74	CD_MCLK	O	CD Clock
75	NC	-	No Connection
76	NC	-	No Connection
77	NC	-	No Connection
78	AMUTE	I	Amp Muting control
79	USB REC LED	O	USB Rec LED Drive
80	BASS_SHIFT	O	Bass Level Meter Adjustment
81	MUTE_A	O	Audio Output Muting
82	FL_DATA	O	FL Display data input
83	FL_CS	O	FL Display Data Input
84	FL_CLK	O	FL Display Clock
85	REGION 2	I	Region Setting 2
86	RMT	I	Remote Control Signal
87	NC	-	No Connection
88	NC	-	No Connection
89	VDD	-	Voltage supply
90	NC	-	No Connection
91	VSS	-	Ground
92	REGION 1	AN0	Region Setting 1
93	CLIP SENSOR	AN1	Clipping sensor (Volume & ASP Bass control)
94	AUTO BASS	AN2	Auto Bass setting adjustment
95	SMPS_ID	AN3	SMPS Type Detection
96	LVL MTR	AN4	Bass Lever Meter Control
97	TEMP_DET	AN5	Temperature Detect
98	KEY 2	AN6	Key 2 Input
99	KEY 1	AN7	Key 1 Input
100	VREF+	-	Voltage Supply

19 Exploded View and Replacement Parts List

19.1. Exploded View and Mechanical replacement Part List

19.1.1. Cabinet Parts Location

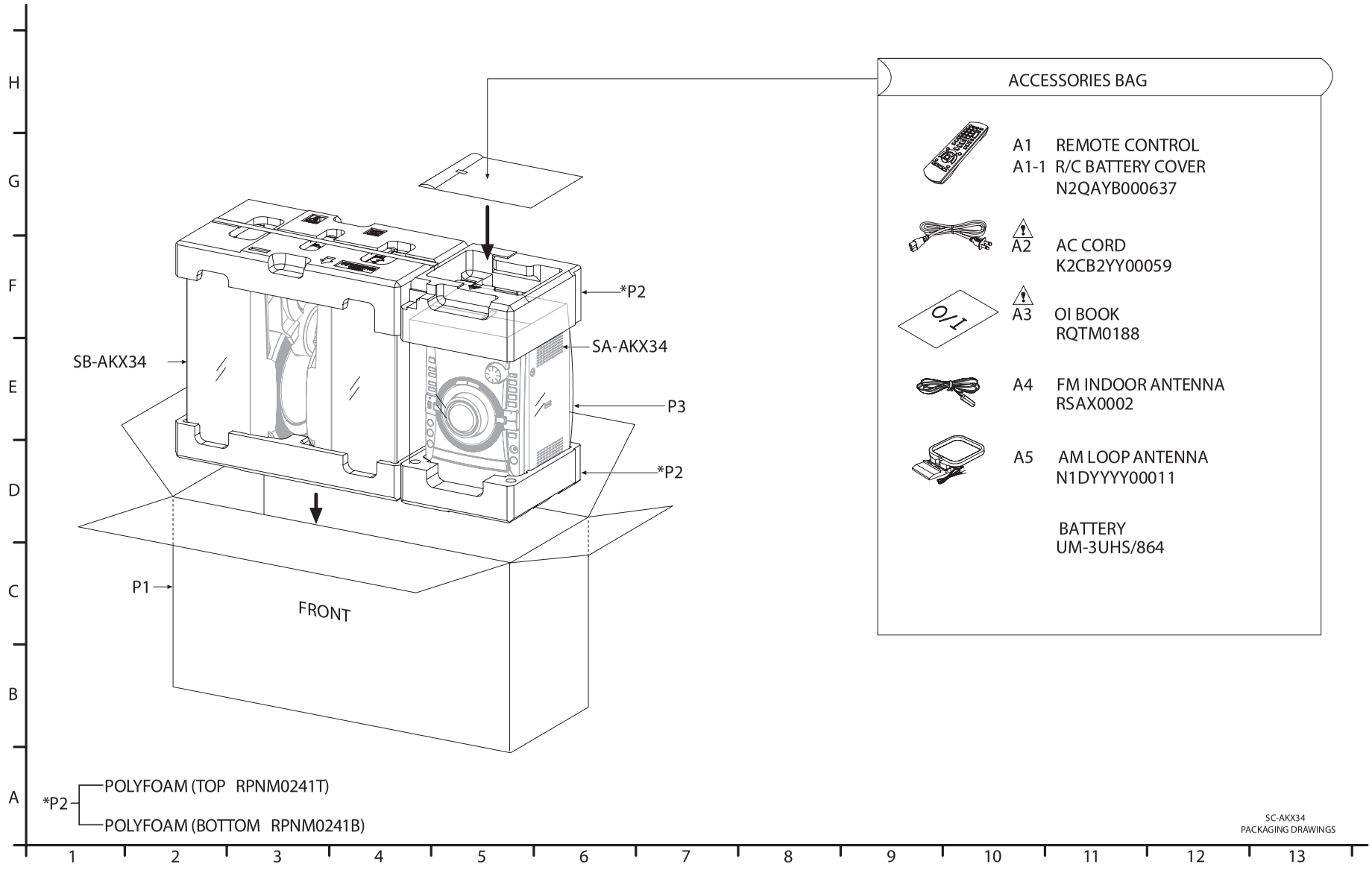




NOTE: " * " PART IS NOT SUPPLIED / REF IS FOR INDICATION ONLY.
" ^ " PART IS FOR PH ONLY.

SA-AKX34
CABINET DRAWINGS

19.1.2. Packaging



19.1.3. Mechanical Replacement Part List

Important Safety Notice

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

RTL (Retention Time Limited)

Note: The marking (RTL) indicates that the Retention Time is Limited for this item. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

Note:

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

Ar:	Arabic	Du:	Dutch	It:	Italian	Sp:	Spanish
Cf:	Canadian French	En:	English	Ko:	Korean	S:	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		

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
			CABINET AND CHASSIS		
	1	REE1708	30P FFC (MAIN-CD SERVO)	1	
	2	REXX1159-1	2P CABLE WIRE (MUSIC PORT - INNER CHASSIS)	1	
	3	REX1487	4P CABLE WIRE (PANEL-MUSIC PORT)	1	
	4	REX1527	15P CABLE WIRE (MAIN-SMPS)	1	
	5	REX1472	5P CABLE WIRE (USB-MAIN)	1	
	6	REX1531	6P CABLE WIRE (MAIN-MAIN)	1	
	7	REE1647	27P FFC (MAIN-PANEL)	1	
	10	RGW0428-SL	VOLUME KNOB	1	
	11	RGW0429-K	SKIP KNOB	1	
	12	RHD26046	SCREW	8	
	13	RHD30007-K2J	SCREW	4	
	14	RHD30111-31	SCREW	10	
	15	RHD30119-S	SCREW	14	
	16	RHDX031008	SCREW	2	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	17	RHDX30005-J	SCREW	3	
	18	RYPM0305	FRONT PANEL ASS'Y	1	
	18-1	RMGX0033A-K	CD LID CUSHION	1	
	18-2	RGK2307B-KL	CD LID	1	
	18-3	RKAX0042-K	LEG CUSHION	2	
	18-4	RKW0983-QL	LCD WINDOW	1	
	18-5	RMB0930	CD LID SPRING	1	
	19	RKAX0042-K	LEG CUSHION	2	
⚠	20	RKMX1011Z-KL	TOP CABINET	1	
⚠	21	RXTM0002F-A	REAR PANEL	1	
	22	RMAX1007	CHASSIS SUPPORT	2	
	23	RMCX0035	HEAT SINK CLIP A	1	
	24	RMNX0151	LED HOLDER	4	
	26	RMQX1088	MECHA HOLDER	2	
	27	RMX0444	PCB SPACER	1	
	29	XTB3+10JFJ	SCREW	5	
	31	RGK2308A-KL	SIDE ORNAMENT L	1	
	32	RGK2309A-KL	SIDE ORNAMENT R	1	
	33	RGK2325A-SL	USB ORNAMENT	1	
	34	RGK2328-SL	PLAY BUTTON ORNAMENT	1	
	35	RGU2764-KL	POWER BUTTON	1	
	36	RGU2791-KL	FUNCTION BUTTON	1	
	37	RGU2763-SL	PUSH/PLAY BUTTON	1	
	38	RGU2765-KL	CD OPEN CLOSE BUTTON	1	
	39	RGU2792-KL	SKIP BUTTON	1	
	41	RKXM0005A-1	BOTTOM CHASSIS	1	
	42	RXSM0002-1	INNER CHASSIS	1	
	43	L6FALEFH0030	FAN UNIT ASS'Y	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	44	REX1521	2P CABLE WIRE (PANEL-MEMORY LED)	1	
	45	REE1671	10P FFC (CD SERVO-CD INTER-FACE)	1	
	46	RMNV0079-1	FL HOLDER	1	
	47	RGL0764-Q	USB REC LIGHT PIECE	1	
			TRAVERSE DECK		
⚠		RD-DDL100-PX	BRS1C CD UNIT	1	
⚠	301	RAE1034Z-V	TRAVERSE ASS'Y	1	
	310	XTN2+6GFJ	SCREW	3	
			PACKING MATERI-ALS		
	P1	RPGM0272	PACKING CASE	1	
	P2	RPNM0241B/T	POLYFOAM	1	
	P3	RPFX0198	MIRAMAT SHEET	1	
			ACCESSORIES		
	A1	N2QAYB000637	REMOTE CONTROL	1	
⚠	A2	K2CB2YY00059	AC CORD	1	
⚠	A3	RQTM0188	O/I BOOK (Sp)	1	
	A4	RSAX0002	FM INDOOR ANTENNA	1	
	A5	N1DYYYY00010	AM LOOP ANTENNA	1	

19.2. Electrical Replacement Part List

Important Safety Notice

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

RTL (Retention Time Limited)

Note: The marking (RTL) indicates that the Retention Time is Limited for this item. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

Note:

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

Safety	Ref. no.	Part No.	Part Name & Description
⚠		K5D802APA008	FUSIBLE
		RAIM12X340A	CONJUNTO SMPS
		REPM12X340A	CONJUNTO MANUAL SMPS AKX34
	ZA5703	RMY0416	HEATSINK
	ZA5801	RMY0417	HEATSINK
⚠	C5700	F1BAF471A013	CHIP CAPACITOR
⚠	L5707	G0B612H00002	Bobina
	D5701	B0FBAR000049	SILICON RECTIFIER DIODES (5A - LESS THA
⚠	T5701	G4DYZ0000060	SWITCHING TRANSFORMERS
	D5801	B0ABSM000008	DIODO
	D5802	B0ABSM000008	DIODO
	D5803	B0HFRJ000012	DIODE
	D5702	B0ZAZ0000089	DIODO
	IC5701	C5HACYY00004	CIRCUITO INTEGRADO
	TH5702	D4CAA2R20001	Termistor
	R5726	ERX2SZJR10P	RESISTENCIA
	R5727	ERX2SZJR10P	RESISTENCIA
⚠	T5751	ETS19AB2E6AG	Backup Switching Transformer
	C5713	F0C2J1030007	CAPACITOR
⚠	C5701	F0CAF104A105	CAPACITOR
⚠	C5703	F0CAF224A105	CAPACITOR
⚠	C5708	F1BAF1020020	CAPACITOR
	C5805	F2A1H2220043	E-Cap
	C5808	F2A1H2220043	E-Cap
	C5712	F2B2D5610024	CAPACITOR
	CN5802	K1KA15AA0194	CONECTOR 12 PIN
⚠	P5701	K2AB2B000007	AC INLET
	IC5799	MIP2F20MSSCF	Intelligent power device
	R5894	D0GB151JA008	CHIP RESISTOR
	R5797	D0GB153JA008	CHIP RESISTENCIA
	R5806	D0GB153JA008	CHIP RESISTENCIA
	R5895	D0GB153JA008	CHIP RESISTENCIA
	R5798	D0GB220JA008	CHIP RESISTENCIA
	R5890	D0GB222JA008	RESISTENCIA CHIP
	R5868	D0GB223JA008	CHIP RESISTOR
	R5810	D0GB331JA008	CHIP RESISTOR
	R5817	D0GB331JA008	CHIP RESISTOR
	R5733	D0GB473JA008	1HIP RESISTOR
	R5814	D0GB822JA008	CHIP RESISTOR
	R5840	D0GB823JA008	CHIP RESISTENCIA
	K4	D0GBR00JA008	CHIP JUMPER
	W5601	D0GBR00JA008	CHIP JUMPER
	W5604	D0GBR00JA008	CHIP JUMPER
	R5721	D0GD103JA017	CHIP RESISTOR
	R5729	D0GD103JA017	CHIP RESISTOR
	R5724	D0GD121JA017	CHIP RESISTOR
	R5722	D0GD122JA017	CHIP RESISTOR
	R5800	D0GD153JA017	CHIP RESISTOR
	R5862	D0GD183JA017	CHIP RESISTOR
	R5863	D0GD183JA017	CHIP RESISTOR
	R5720	D0GD220JA017	CHIP RESISTOR
	R5866	D0GD220JA017	CHIP RESISTOR
	R5808	D0GD222JA017	CHIP RESISTOR
	R5801	D0GD223JA017	CHIP RESISTOR
	R5807	D0GD331JA017	CHIP RESISTOR
	R5809	D0GD331JA017	CHIP RESISTOR
	R5795	D0GD474JA017	CHIP RESISTOR
	R5706	D0GD824JA017	CHIP RESISTOR
	W5602	D0GDR00JA017	CHIP JUMPER
	W5603	D0GDR00JA017	CHIP JUMPER
	R5832	D0GZ222JA012	CHIP RESISTOR
	R5833	D0GZ222JA012	CHIP RESISTOR
	R5834	D0GZ222JA012	CHIP RESISTOR
	R5835	D0GZ222JA012	CHIP RESISTOR
	R5836	D0GZ222JA012	CHIP RESISTOR
	R5837	D0GZ222JA012	CHIP RESISTOR
	R5702	D0GZ333JA012	CHIP RESISTOR
	R5703	D0GZ333JA012	CHIP RESISTOR
	R5892	D0HB102ZA002	CHIP RESISTOR
	TH5860	D4CC11040013	CHIP TERMISTOR

Safety	Ref. no.	Part No.	Part Name & Description
	TH5861	D4CC11040013	CHIP TERMISTOR
	R5860	ERJ3GEYF103V	CHIP RESISTOR
	R5864	ERJ3GEYF103V	CHIP RESISTOR
	R5898	ERJ3GEYF103V	CHIP RESISTOR
	R5861	ERJ3GEYF332V	CHIP RESISTOR
	R5802	ERJ3RBD103V	RESISTENCIA CHIP PEL□CULA
	R5803	ERJ3RBD103V	RESISTENCIA CHIP PEL□CULA
	R5893	ERJ3RBD103V	RESISTENCIA CHIP PEL□CULA
	L5704	J0JBC0000019	CHIP INDUCTOR
	R5805	ERJ3RBD332V	Resistor
	R5891	ERJ3RBD333V	CHIP RESISTOR
	R5804	ERJ6RBD823V	Resistor
	R5708	ERJ8GEYJ155V	CHIP RESISTOR
	R5709	ERJ8GEYJ155V	CHIP RESISTOR
	R5704	ERJ8GEYJ224V	CHIP RESISTOR
	R5705	ERJ8GEYJ224V	CHIP RESISTOR
	C5730	F1H1E105A116	CHIP CAPACITOR
	C5722	F1H1H102A219	CHIP CAPACITOR
	C5728	F1H1H102A219	CHIP CAPACITOR
	C5794	F1H1H102A219	CHIP CAPACITOR
	C5871	F1H1H103A219	CHIP CAPACITOR
	C5897	F1H1H103A219	CHIP CAPACITOR
	C5720	F1H1H104A013	CHIP CAPACITOR
	C5725	F1H1H104A013	CHIP CAPACITOR
	C5726	F1H1H104A013	CHIP CAPACITOR
	C5796	F1H1H104A013	CHIP CAPACITOR
	C5810	F1H1H104A013	CHIP CAPACITOR
	C5812	F1H1H104A013	CHIP CAPACITOR
	C5818	F1H1H104A013	CHIP CAPACITOR
	C5831	F1H1H104A013	CHIP CAPACITOR
	C5832	F1H1H104A013	CHIP CAPACITOR
	C5869	F1H1H104A013	CHIP CAPACITOR
	C5870	F1H1H104A013	CHIP CAPACITOR
	C5896	F1H1H104A013	CHIP CAPACITOR
	C5898	F1H1H104A013	CHIP CAPACITOR
	C5721	F1H1H2210001	CHIP CAPACITOR
	C5723	F1H1H471A219	CHIP CAPACITOR
	C5843	F1J1A106A043	CHIP CAPACITOR
	C5844	F1J1A106A043	CHIP CAPACITOR
	C5900	F1J1A106A043	CHIP CAPACITOR
	C5800	F1J2E1030004	CHIP CAPACITOR
	C5819	F1J2E1030004	CHIP CAPACITOR
	C5820	F1J2E1030004	CHIP CAPACITOR
	C5821	F1J2E1030004	CHIP CAPACITOR
	C5822	F1J2E1030004	CHIP CAPACITOR
	C5826	F1J2E1030004	CHIP CAPACITOR
	C5795	F1K1H105A149	CHIP CAPACITOR
	D5723	B0ACCK000012	DIODE
	D5724	B0ACCK000012	DIODE
	D5727	B0ACCK000012	DIODE
	D5728	B0ACCK000012	DIODE
	D5804	B0ACCK000012	DIODE
	D5721	B0BC01700015	DIODO
	D5722	B0BC019A0007	DIODE
	D5732	B0BC035A0007	DIODE
	D5725	B0BC6R100010	DIODO
	D5795	B0BC9R000008	DIODO
	Q5722	B1ABCF000176	TRANSISTOR
	Q5861	B1ABCF000176	TRANSISTOR
	Q5898	B1ABCF000176	TRANSISTOR
	Q5899	B1ABGC000001	TRANSISTOR
	Q5721	B1ADCF000001	TRANSISTOR
	Q5860	B1ADCF000001	TRANSISTOR
	Q5862	B1GBCFJJ0051	TRANSISTOR
	QR5811	B1GBCFJJ0051	TRANSISTOR
	QR5801	B1GBCFJN0038	CHIP TRANSISTOR
	QR5810	B1GBCFLL0037	CHIP TRANSISTOR
	QR5802	B1GDCFGA0018	TRANSISTOR
	QR5812	B1GDCFJJ0047	TRANSISTOR
	R5732	D0GB101JA008	CHIP RESISTOR
	R5897	D0GB101JA008	CHIP RESISTOR

	R5723	D0GB102JA008	CHIP RESISTOR
	R5730	D0GB102JA008	CHIP RESISTOR
	R5728	D0GB104JA008	CHIP RESISTENCIA
	R5867	D0GB104JA008	CHIP RESISTENCIA
	R5896	D0GB104JA008	CHIP RESISTENCIA
	R5841	D0GB124JA008	CHIP RESISTENCIA
		RENM12X340A	CONJUNTO RADIAL SMPS AKX34
	D5726	B0EAKM000117	DIODO
	D5729	B0EAMM000057	DIODO
	D5731	B0EAMM000057	DIODO
	D5798	B0EAMM000057	DIODO
	D5896	B0EAMM000057	DIODO
	Q5720	B1BABG000007	TRANSISTOR
	IC5899	C0DAEYY00040	ICs For Power Supply •
	IC5801	C0DAZYY00039	ICS FOR POWER SUPPLY
	C5872	F2A0J222A247	CAPACITOR
	C5899	F2A1A221B161	CAPACITOR
	C5798	F2A1E221B422	CAPACITOR
	C5813	F2A1E221B422	CAPACITOR
	C5724	F2A1H5600009	CHIP CAPACITOR
	C5817	F2A2AR100002	CAPACITOR
	ZA5701	K3GE1ZZ00001	PORTAFUSIBLE
	ZA5702	K3GE1ZZ00001	PORTAFUSIBLE
		RENM12X340AZ	CONJUNTO AXIAL SMPS AKX34
		RENM12X340AJ	CONJUNTO JUMPER SMPS AKX34
	W5508	Z-W6NL	ALAMBRE JUMPER
	W5512	Z-W6NL	ALAMBRE JUMPER
	W5533	Z-W6NL	ALAMBRE JUMPER
	W5541	Z-W6NL	ALAMBRE JUMPER
	W5521	Z-W6NL	ALAMBRE JUMPER
	W5504	Z-W6NL	ALAMBRE JUMPER
	W5513	Z-W6NL	ALAMBRE JUMPER
	W5538	Z-W6NL	ALAMBRE JUMPER
	K14	Z-W6NL	ALAMBRE JUMPER
	W5506	Z-W6NL	ALAMBRE JUMPER
	W5528	Z-W6NL	ALAMBRE JUMPER
	W5530	Z-W6NL	ALAMBRE JUMPER
	W5531	Z-W6NL	ALAMBRE JUMPER
	W5532	Z-W6NL	ALAMBRE JUMPER
	W5534	Z-W6NL	ALAMBRE JUMPER
	W5540	Z-W6NL	ALAMBRE JUMPER
	K5715	Z-W6NL	ALAMBRE JUMPER
	W5524	Z-W6NL	ALAMBRE JUMPER
	W5527	Z-W6NL	ALAMBRE JUMPER
	W5536	Z-W6NL	ALAMBRE JUMPER
	W5537	Z-W6NL	ALAMBRE JUMPER
	K5711	Z-W6NL	ALAMBRE JUMPER
	K5714	Z-W6NL	ALAMBRE JUMPER
	K5742	Z-W6NL	ALAMBRE JUMPER
	K5743	Z-W6NL	ALAMBRE JUMPER
	W5505	Z-W6NL	ALAMBRE JUMPER
	W5509	Z-W6NL	ALAMBRE JUMPER
	W5516	Z-W6NL	ALAMBRE JUMPER
	W5518	Z-W6NL	ALAMBRE JUMPER
	W5520	Z-W6NL	ALAMBRE JUMPER
	W5525	Z-W6NL	ALAMBRE JUMPER
	W5526	Z-W6NL	ALAMBRE JUMPER
	W5510	Z-W6NL	ALAMBRE JUMPER
	W5514	Z-W6NL	ALAMBRE JUMPER
	W5519	Z-W6NL	ALAMBRE JUMPER
	W5523	Z-W6NL	ALAMBRE JUMPER
	W5529	Z-W6NL	ALAMBRE JUMPER
	W5511	Z-W6NL	ALAMBRE JUMPER
	W5515	Z-W6NL	ALAMBRE JUMPER
	W5517	Z-W6NL	ALAMBRE JUMPER
	W5522	Z-W6NL	ALAMBRE JUMPER
	W5535	Z-W6NL	ALAMBRE JUMPER
⚠	PCB	RJB3568A-1	PRINTED CIRCUIT BOARD (SMPS LOW / MID PC
	R5701	ERJ3RBD1002V	CHIP RESISTOR
⚠	PC5701	B3PBA0000503	OPTO ACOPLADOR
⚠	PC5702	B3PBA0000503	OPTO ACOPLADOR
⚠	PC5720	B3PBA0000503	OPTO ACOPLADOR
⚠	PC5799	B3PBA0000503	OPTO ACOPLADOR
	R5865	ERJ3RBD391V	CHIP RESISTOR

	D5730	B0ECET000006	SWITCHING DIODES
	C5727	F1B3A3320013	E-CAP
⚠	DZ5701	ERZV05Z471CS	VARISTORS
		RAIM12X343A	CONJUNTO PANEL AKX34
		REPM12X343A	CONJUNTO MANUAL PANEL AKX34
	FL6000	A2BB00000184	FLUORESCENT CHARACTER DISPLAY TUBES
	VR6000	EVEKE2F3524B	CONTROL DE VOLUMEN
	T6000	G4DYA0000214	Small transformer
	VR6001	K9AA012Y0004	ENCODER
	ZB6005	RMNV0079-1	FL HOLDER
	CN6001	K1KA04A00553	CONECTOR 4 PINES MACHO
	IR6200	B3RAB0000084	SENSOR PARA CONTRO REMOTO
	CN6200	K1KB04B00043	CONECTOR 4 PINES EMBRA
	CN6301	K1FY104A0007	USB TYPE A RECEPTACLE PCB 180 CONECTOR
	ZJ6400	REXX1159-1	2P Ground Wire (Mic to Inner Chassis)
	ZJ6800	REX1521	2P FLAT WIRE (MEMORY LIGHT PCB TO PANEL
	D6010	B0BC035A0007	DIODE
	D6009	B0BC2R4A0006	ZENER DIODE
	QR6001	B1GBCFJJ0051	TRANSISTOR
	IC6000	C0HBB0000057	FL DRIVER IC
	R6053	D0GB100JA008	CHIP RESISTOR
	R6020	D0GB103JA008	CHIP RESISTOR
	R6024	D0GB103JA008	CHIP RESISTOR
	R6040	D0GB103JA008	CHIP RESISTOR
	R6041	D0GB103JA008	CHIP RESISTOR
	R6048	D0GB103JA008	CHIP RESISTOR
	R6050	D0GB103JA008	CHIP RESISTOR
	R6000	D0GB122JA008	CHIP RESISTOR
	R6018	D0GB122JA008	CHIP RESISTOR
	R6001	D0GB152JA008	CHIP RESISTOR
	R6012	D0GB152JA008	CHIP RESISTOR
	R6013	D0GB153JA008	CHIP RESISTENCIA
	R6014	D0GB153JA008	CHIP RESISTENCIA
	R6047	D0GB1R0JA008	CHIP RESISTENCIA
	R6051	D0GB1R0JA008	CHIP RESISTENCIA
	R6003	D0GB222JA008	RESISTENCIA CHIP
	R6011	D0GB222JA008	RESISTENCIA CHIP
	R6054	D0GB223JA008	CHIP RESISTOR
	R6002	D0GB332JA008	CHIP RESISTENCIA
	R6016	D0GB332JA008	CHIP RESISTENCIA
	R6039	D0GB470JA008	CHIP RESISTOR
	R6030	D0GB471JA008	CHIP RESISTOR
	R6004	D0GB472JA008	CHIP RESISTOR
	R6017	D0GB472JA008	CHIP RESISTOR
	R6006	D0GB473JA008	1HIP RESISTOR
	R6049	D0GB473JA008	1HIP RESISTOR
	R6056	D0GB473JA008	1HIP RESISTOR
	R6005	D0GB682JA008	CHIP RESISTOR
	R6015	D0GB682JA008	CHIP RESISTOR
	R6038	D0GB682JA008	CHIP RESISTOR
	R6033	D0GB823JA008	CHIP RESISTENCIA
	R6035	D0GBR00JA008	CHIP JUMPER
	W1	D0GBR00JA008	CHIP JUMPER
	W10	D0GBR00JA008	CHIP JUMPER
	W11	D0GBR00JA008	CHIP JUMPER
	W14	D0GBR00JA008	CHIP JUMPER
	W15	D0GBR00JA008	CHIP JUMPER
	W17	D0GBR00JA008	CHIP JUMPER
	W2	D0GBR00JA008	CHIP JUMPER
	W23	D0GBR00JA008	CHIP JUMPER
	W3	D0GBR00JA008	CHIP JUMPER
	W4	D0GBR00JA008	CHIP JUMPER
	W41	D0GBR00JA008	CHIP JUMPER
	W44	D0GBR00JA008	CHIP JUMPER
	W5	D0GBR00JA008	CHIP JUMPER
	W7	D0GBR00JA008	CHIP JUMPER
	W8	D0GBR00JA008	CHIP JUMPER
	W9	D0GBR00JA008	CHIP JUMPER
	W22	D0GDR00JA017	CHIP JUMPER
	W27	D0GDR00JA017	CHIP JUMPER
	W29	D0GDR00JA017	CHIP JUMPER
	W30	D0GDR00JA017	CHIP JUMPER
	W32	D0GDR00JA017	CHIP JUMPER
	W43	D0GDR00JA017	CHIP JUMPER

	W45	D0GDR00JA017	CHIP JUMPER
	W51	D0GDR00JA017	CHIP JUMPER
	W52	D0GDR00JA017	CHIP JUMPER
	W59	D0GDR00JA017	CHIP JUMPER
	W60	D0GDR00JA017	CHIP JUMPER
	W66	D0GDR00JA017	CHIP JUMPER
	W67	D0GDR00JA017	CHIP JUMPER
	W69	D0GDR00JA017	CHIP JUMPER
	W16	D0GFR00JA017	CHIP JUMPER
	W18	D0GFR00JA017	CHIP JUMPER
	W19	D0GFR00JA017	CHIP JUMPER
	W24	D0GFR00JA017	CHIP JUMPER
	W25	D0GFR00JA017	CHIP JUMPER
	W26	D0GFR00JA017	CHIP JUMPER
	W28	D0GFR00JA017	CHIP JUMPER
	W31	D0GFR00JA017	CHIP JUMPER
	W33	D0GFR00JA017	CHIP JUMPER
	W34	D0GFR00JA017	CHIP JUMPER
	W35	D0GFR00JA017	CHIP JUMPER
	W36	D0GFR00JA017	CHIP JUMPER
	W37	D0GFR00JA017	CHIP JUMPER
	W38	D0GFR00JA017	CHIP JUMPER
	W39	D0GFR00JA017	CHIP JUMPER
	W40	D0GFR00JA017	CHIP JUMPER
	W42	D0GFR00JA017	CHIP JUMPER
	W46	D0GFR00JA017	CHIP JUMPER
	W47	D0GFR00JA017	CHIP JUMPER
	W48	D0GFR00JA017	CHIP JUMPER
	W49	D0GFR00JA017	CHIP JUMPER
	W50	D0GFR00JA017	CHIP JUMPER
	W53	D0GFR00JA017	CHIP JUMPER
	W54	D0GFR00JA017	CHIP JUMPER
	W55	D0GFR00JA017	CHIP JUMPER
	W56	D0GFR00JA017	CHIP JUMPER
	W57	D0GFR00JA017	CHIP JUMPER
	W58	D0GFR00JA017	CHIP JUMPER
	W6	D0GFR00JA017	CHIP JUMPER
	W61	D0GFR00JA017	CHIP JUMPER
	W62	D0GFR00JA017	CHIP JUMPER
	W63	D0GFR00JA017	CHIP JUMPER
	W64	D0GFR00JA017	CHIP JUMPER
	W65	D0GFR00JA017	CHIP JUMPER
	W68	D0GFR00JA017	CHIP JUMPER
	W70	D0GFR00JA017	CHIP JUMPER
	D6008	DZ2J24000L	DIODO
	C6025	F1H1H101A720	CHIP CAPACITOR
	C6026	F1H1H101A720	CHIP CAPACITOR
	C6027	F1H1H101A720	CHIP CAPACITOR
	C6030	F1H1H101A720	CHIP CAPACITOR
	C6004	F1H1H102A219	CHIP CAPACITOR
	C6005	F1H1H102A219	CHIP CAPACITOR
	C6007	F1H1H102A219	CHIP CAPACITOR
	C6008	F1H1H102A219	CHIP CAPACITOR
	C6009	F1H1H102A219	CHIP CAPACITOR
	C6011	F1H1H102A219	CHIP CAPACITOR
	C6014	F1H1H102A219	CHIP CAPACITOR
	C6016	F1H1H102A219	CHIP CAPACITOR
	C6018	F1H1H102A219	CHIP CAPACITOR
	C6019	F1H1H102A219	CHIP CAPACITOR
	C6020	F1H1H102A219	CHIP CAPACITOR
	C6022	F1H1H102A219	CHIP CAPACITOR
	C6021	F1H1H103A219	CHIP CAPACITOR
	C6003	F1H1H104A013	CHIP CAPACITOR
	C6031	F1H1H104A013	CHIP CAPACITOR
	C6010	F1H1H331A013	CHIP CAPACITOR
	C6012	F1H1H331A013	CHIP CAPACITOR
	C6013	F1H1H331A013	CHIP CAPACITOR
	L6000	J0JBC0000019	CHIP INDUCTOR
	C6200	F1H1H101A720	CHIP CAPACITOR
	C6201	F1H1H102A219	CHIP CAPACITOR
	W401	D0GBR00JA008	CHIP JUMPER
	W403	D0GBR00JA008	CHIP JUMPER
	C6406	F1H1C104A008	CHIP CAPACITOR
	C6409	F1H1H103A219	CHIP CAPACITOR

	C6412	F1H1H103A219	CHIP CAPACITOR
	C6408	F1H1H104A013	CHIP CAPACITOR
	C6402	F1H1H331A013	CHIP CAPACITOR
	C6404	F1H1H331A013	CHIP CAPACITOR
	C6400	F1H1H391A013	CHIP CAPACITOR
	L6400	J0JBC0000019	CHIP INDUCTOR
	L6401	J0JBC0000019	CHIP INDUCTOR
	L6405	J0JBC0000019	CHIP INDUCTOR
		RENM12X343A	CONJUNTO RADIAL PANEL AKX34
	D6005	B0EAMM000057	DIODO
	D6006	B0JAME000114	DIODO
	S6000	EVQ21405RJ	TACK SWITCH
	S6001	EVQ21405RJ	TACK SWITCH
	S6002	EVQ21405RJ	TACK SWITCH
	S6003	EVQ21405RJ	TACK SWITCH
	S6004	EVQ21405RJ	TACK SWITCH
	S6005	EVQ21405RJ	TACK SWITCH
	S6006	EVQ21405RJ	TACK SWITCH
	S6007	EVQ21405RJ	TACK SWITCH
	S6008	EVQ21405RJ	TACK SWITCH
	S6009	EVQ21405RJ	TACK SWITCH
	S6010	EVQ21405RJ	TACK SWITCH
	S6012	EVQ21405RJ	TACK SWITCH
	S6013	EVQ21405RJ	TACK SWITCH
	S6014	EVQ21405RJ	TACK SWITCH
	S6015	EVQ21405RJ	TACK SWITCH
	S6016	EVQ21405RJ	TACK SWITCH
	C6029	F2A1C101A155	CAPACITOR
	C6032	F2A1H220B411	CAPACITOR
	C6023	F2A1H470B412	E-cap
	C6028	F2A1H470B412	E-cap
	C6202	F2A1H220A182	CAPACITOR ELECTROLITICO
	D6300	B3AAA0000487	LED
		RENM12X343AZ	CONJUNTO AXIAL PANEL AKX34
		RENM12X343AJ	CONJUNTO JUMPER PANEL AKX34
	PCB	RJB3543A-1	PRINTED CIRCUIT BOARD (PANEL)
	D6013	B0EAMM000057	DIODO
	Q6003	B1BAAL000018	Transistors
	D6800	B3AAA0001129	LED
	R6029	D0GB221JA008	RESISTENCIA CHIP
	R6031	D0GB221JA008	RESISTENCIA CHIP
	W71	D0GDR00JA017	CHIP JUMPER
	W72	D0GDR00JA017	CHIP JUMPER
	W73	D0GDR00JA017	CHIP JUMPER
	R6007	ERJ3GEYJ821V	RESISTENCIA CHIP PELICULA
	R6009	ERJ3GEYJ821V	RESISTENCIA CHIP PELICULA
	R6021	D0GB221JA008	RESISTENCIA CHIP
	R6022	D0GB221JA008	RESISTENCIA CHIP
	R6023	D0GB221JA008	RESISTENCIA CHIP
	R6027	D0GB221JA008	RESISTENCIA CHIP
	R6034	ERJ3GEYJ821V	RESISTENCIA CHIP PELICULA
	R6037	ERJ3GEYJ821V	RESISTENCIA CHIP PELICULA
	R6057	D0GB221JA008	RESISTENCIA CHIP
	R6032	ERJ3GEYJ821V	RESISTENCIA CHIP PELICULA
	C6024	F1H1H562A219	CHIP CAPACITOR
	CN6006	K1KA02BA0125	CONECTOR 02 PIN
	CN6000	K1MY27AA0124	CONECTOR 27 PIN
	JK6401	K2HC103A0031	HEADPHONE JECK
	ZJ6401	REX1487	4P FLAT WIRE (MIC PCB TO PANEL PCB)
	D6001	B3AAA0001128	LED
	D6002	B3AAA0001128	LED
	D6003	B3AAA0001128	LED
	D6004	B3AAA0001128	LED
	ZB6001	RMNX0151	LED Holder
	ZB6002	RMNX0151	LED Holder
	ZB6003	RMNX0151	LED Holder
	ZB6004	RMNX0151	LED Holder
	ZJ6300	REX1472	5P FLAT WIRE USB TO MAIN PCB
		RD-DAK100-PX	AKX34LM MAIN PCB
		RD-DUKX013PX	CD LSI module 2GB