MEX1307007CE

Service Manual

CD Stereo System

Model No. SA-AKX76LM-K

Product Color: (K)...Black Type

Please refer to the original service manual for:
- **CD Mechanism Unit , Order No. PSG1102001CE**
- **Speaker system SB-AKX76LM-K, Order No. MEX1307008CE**

⚠ 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.

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
- 1.3. Before Repair and Adjustment
- 1.4. Protection Circuitry
- 1.5. Caution For Fuse Replacement
- 1.6. Safety Parts Information

2 Warning
- 2.1. Prevention of Electrostatic Discharge (ESD) to Electrostatically Sensitive (ES) Devices
- 2.2. Precaution of Laser Diode
- 2.3. Service caution based on Legal restrictions
- 2.4. Handling Precautions for Traverse Unit
- 2.5. Grounding for electrostatic breakdown prevention

3 Service Navigation
- 3.1. Service Information

4 Specifications

5 General/Introduction
- 5.1. Media Information

6 Location of Controls and Components
- 6.1. Remote Control Key Button Operation
- 6.2. Main Unit Key Button Operation

7 Installation Instructions
- 7.1. Speaker and A/C Connection

8 Service Mode
- 8.1. Cold-Start
- 8.2. Doctor Mode Table
- 8.3. Reliability Test Mode (CD Mechanism Unit)
- 8.4. Self-Diagnostic Mode
- 8.5. Self-Diagnostic Error Code Table
- 8.6. Sales Demonstration Lock Function

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9 Troubleshooting Guide
10 Disassembly and Assembly Instructions
10.1. Screw Types
10.2. Disassembly Flow Chart
10.3. Main Components and P.C.B. Locations
10.4. Disassembly of Top Cabinet
10.5. Disassembly of Front Panel Unit
10.6. Disassembly of Panel P.C.B., LED P.C.B. and Music Port P.C.B.
10.7. Disassembly of Remote Sensor P.C.B.
10.8. Disassembly of USB P.C.B.
10.9. Disassembly of CD Lid
10.10. Disassembly of Rear Panel
10.11. Disassembly of Main P.C.B.
10.12. Disassembly of SMPS P.C.B.
10.13. Disassembly of CD Mechanism Unit
10.14. Disassembly of CD Interface P.C.B.
10.15. Disassembly of Fan Unit
11 Service Position
11.1. Checking of Panel P.C.B.
11.2. Checking of Main P.C.B. (Side A)
11.3. Checking of Main P.C.B. (Side B)
11.4. Checking of SMPS P.C.B.
12 Block Diagram
12.1. Servo & System Control
12.2. Audio
12.3. Power Supply
13 Wiring Connection Diagram
14 Schematic Diagram
14.1. Schematic Diagram Notes
14.2. MAIN (CD Servo/Micon/Damp) Circuit
14.3. Panel Circuit
14.4. USB, Music Port, Memory LED & Remote Sensor Circuit
14.5. SMPS Circuit
14.6. CD Interface Circuit
15 Printed Circuit Board
15.1. Main P.C.B.
15.2. Panel, USB, Music Port & Memory LED P.C.B.
15.3. SMPS
15.4. Remote Sensor & CD Interface P.C.B.
16 Appendix Information of Schematic Diagram
16.1. Voltage & Waveform Chart
17 Exploded View and Replacement Parts List
17.1. Exploded View and Mechanical replacement Part List
17.2. Electrical Replacement Part List

1 Safety Precautions

1.1. General Guidelines

1. **IMPORTANT SAFETY NOTICE**
   There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board Layout, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent X-RADIATION, shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.
2. An Isolation Transformer should always be used during the servicing of AC Adaptor whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks. It will also protect AC Adaptor from being damaged by accidental shorting that may occur during servicing.
3. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
4. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
5. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

1.1.1. Leakage Current Cold Check

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

1.1.2. Leakage Current Hot Check

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

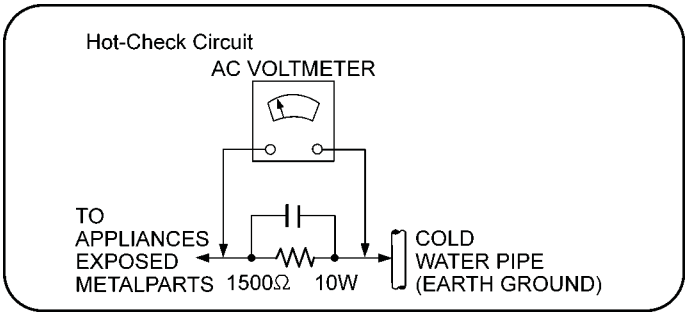

Figure 1-1

1.3. Before Repair and Adjustment

Disconnect AC power to discharge unit AC Capacitors as such (C5700, C5701, C5703, C5704, C5705, C5706, C5707, 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 AC 127 V, 60 Hz in FM Tuner at volume minimum should be ~ 500 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) (For PN only)

CAUTION:

Replace with the same type fuse:
(Manufacturer: HOLLYLAND, INC, Type: 50T, F1,T 8AL ,250V) (For PH only)

1.6. Safety Parts Information

Safety Parts List:

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Modelo: **SC-AKX76LMK**

Safety	Nombre del componente	Numero de Parte
⚠	**CABLE TOMACORRIENTE.**	**K2CB2CB00022**
⚠	CONECTOR TOMACORRIENTE	**K2AB2B000007**
⚠	TRANSFORMADOR DE PODER	**G4DYZ0000070**
⚠	TRANSFORMADOR DE RESPALDO	**G4DYZ0000064**
⚠	FUSIBLE PRIMARIO	**K5D802APA008**
⚠	ZNR	**D4EAY511A127**
⚠	CAPACITOR DE AC	**F1BAF471A013**
⚠	BOBINA PRIMARIO	**G0B932H00003**
⚠	CAPACITOR DE AC	**F0CAF104A105**
⚠	OPTOACOPLADOR	**B3PBA0000579**
⚠	PCB SMPS	**RJB3682A**
⚠	GAB. MET. SIN DOBLAR	**RKMX1011Z-KL1**
⚠	BRS1.1C CD UNIT	**RD-DDL106-PX**
⚠	REAR PANEL	**RXTM0004D**
⚠	INSTRUCTIVO	**RQTM0201**
⚠	GAB. MET. DOBLADO	**RXRM0004**

2 Warning

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

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

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

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

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

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2.2. 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.

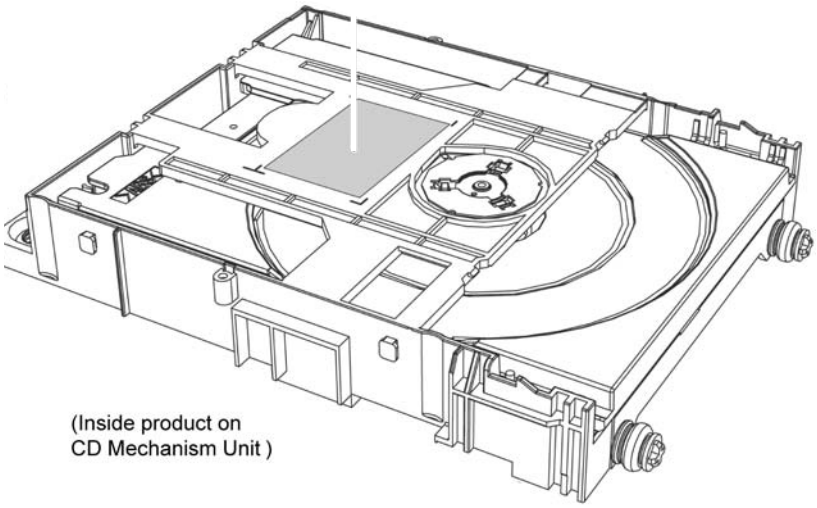


Figure 2-1

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.

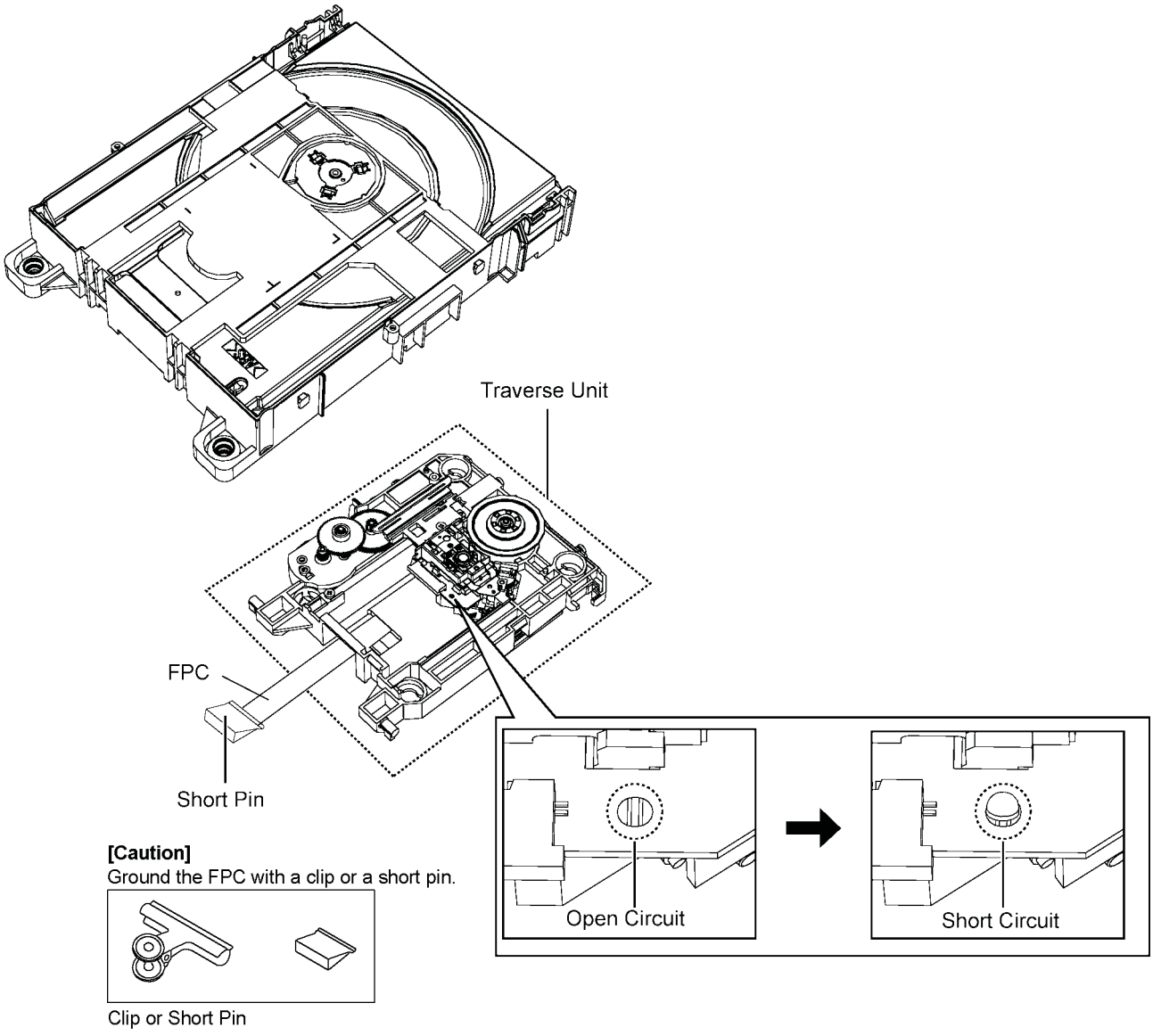


Figure A

Figure 2-2

2.5. Grounding for electrostatic breakdown prevention

• As for parts that use optical pick-up (laser diode), the optical pick-up is destroyed by the static electricity of the working environment.
Repair in the working environment that is grounded.

2.5.1. Worktable grounding

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

2.5.2. Human body grounding

• Use the anti-static wrist strap to discharge the static electricity form your body Figure 2-3

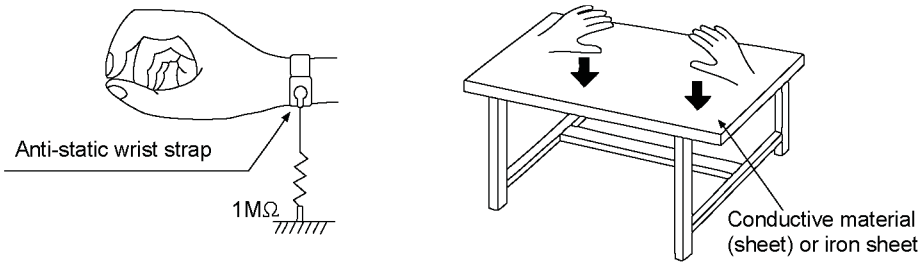


Figure 2-3

3 Service Navigation

3.1. Service Information

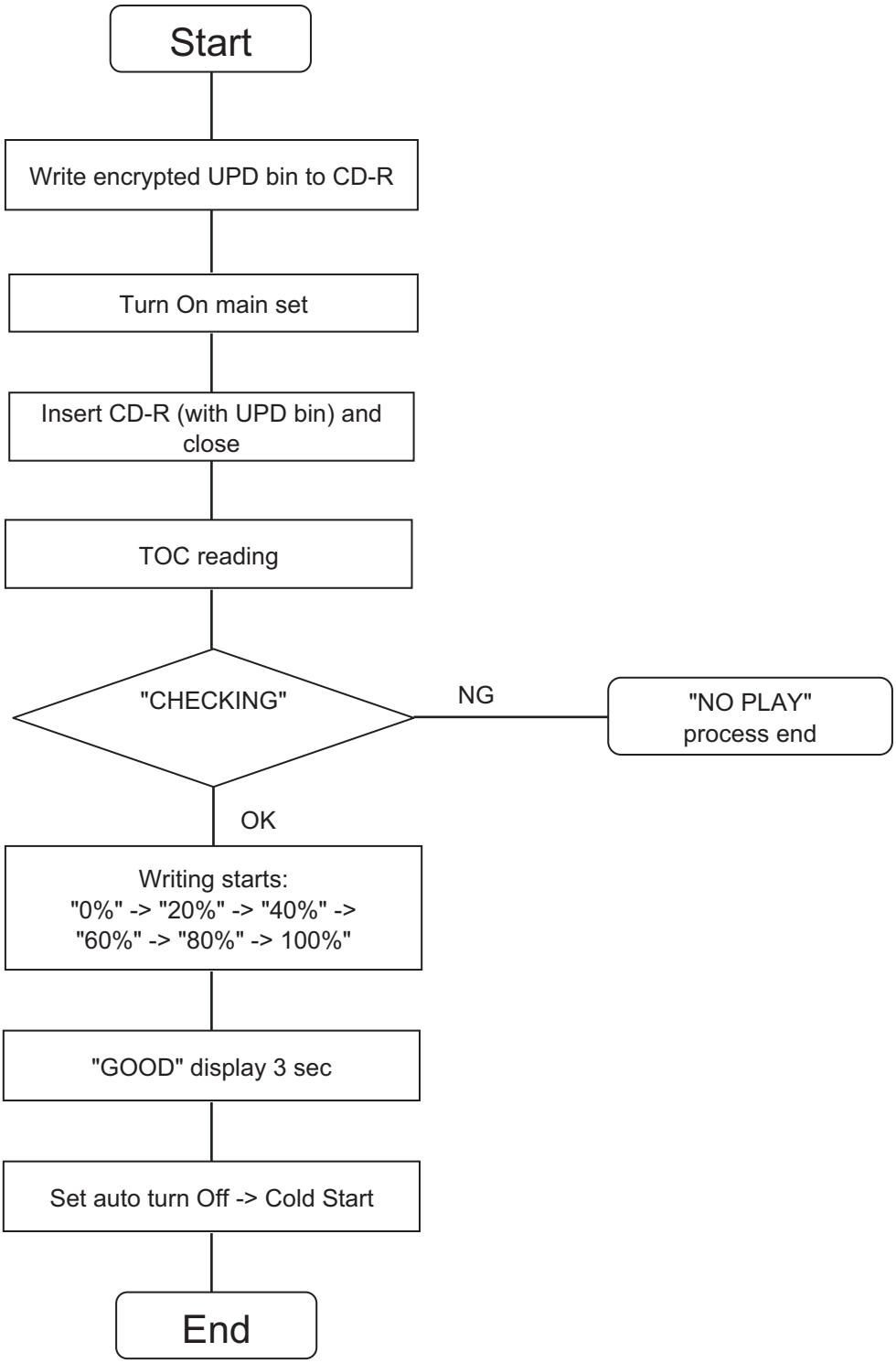
This service manual contains technical information which will allow service personnel's to understand and service this model. Please place orders using the parts list and not the drawing reference numbers.

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

- **Micro-processor:**

1) The following components are supplied as an assembled part.
   - Micro-processor IC, IC2006 (RFKWMAKX56LM) grabado del modelo base SA-AKX56PN.
   - Micro-processor IC, IC2006 (MN101EF16ZXW) * Este material se encuentra sin programar, necesita ser programado.

3.1.1. Firmware Update Procedure



4 Specifications

Sección del amplificador

Potencia de salida RMS en modo estéreo

Frontal Alto 250 W por canal (3 Ω), 1 kHz, 30% THD

Frontal Bajo 250 W por canal (3 Ω), 100 Hz, 30% THD

Canal de subwoofer
400 W por canal (2 Ω), 100 Hz, 30% THD

Potencia total del modo estéreo RMS

AKX76 1400 W (30% THD)

Sección del sintonizador, terminales

Memoria preconfigurada 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 75Ω (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

AKX76 2,1 canales (FL, FR, SW)

AKX56 2 canales (FL, FR)

FL = Canal frontal izquierdo

FR = Canal frontal derecho

SW = Canal de subwoofer

※ MPEG-1 Layer 3

Sección de memoria interna

Memoria

Tamaño de la memoria 2 GB

Compatibilidad con formato de archivos de medios
MP3 (*.mp3)

Grabación en memoria interna

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)

Grabación en USB

Velocidad de bits 128 kbps

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

Formato de archivo de grabación MP3 (*.mp3)

Sección de bafles

Bafles (SB-AKX76)

Tipo Sistema de 3 bocinas de 3 vías
(reflejo de sonidos graves)

Bocina(s)

Súper Woofer Tipo cónico de 20 cm

Bocina para graves Tipo cónico de 8 cm

Bocina para agudos Tipo cónico de 6 cm

Impedancia Alto 3 Ω / Bajo 3 Ω

Presión acústica de salida 86 dB/W (1 m)

Gama de frecuencias 42 Hz a 28 kHz (–16 dB)
46 Hz a 23 kHz (–10 dB)

Dimensiones (An x Al x Prf)
300 mm x 401 mm x 268 mm

Peso 5,5 kg

Subwoofer (SB-AKW76)

Tipo Sistema de 1 bocina de 1 vía
(reflejo de sonidos graves)

Bocina(s)

Súper Woofer Tipo cónico de 25 cm

Impedancia 2 Ω

Presión acústica de salida 83 dB/W (1 m)

Gama de frecuencias 40 Hz a 250 Hz (–16 dB)
43 Hz a 200 Hz (–10 dB)

Dimensiones (An x Al x Prf)
320 mm x 401 mm x 286 mm

Peso 6,9 kg

Generalidades

Fuente de alimentación
~ 127 V, 60 Hz

Consumo de energía
120 W

Dimensiones (An x Al x Prf)
220 mm x 334 mm x 250 mm

Peso
3,4 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

120Wh/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

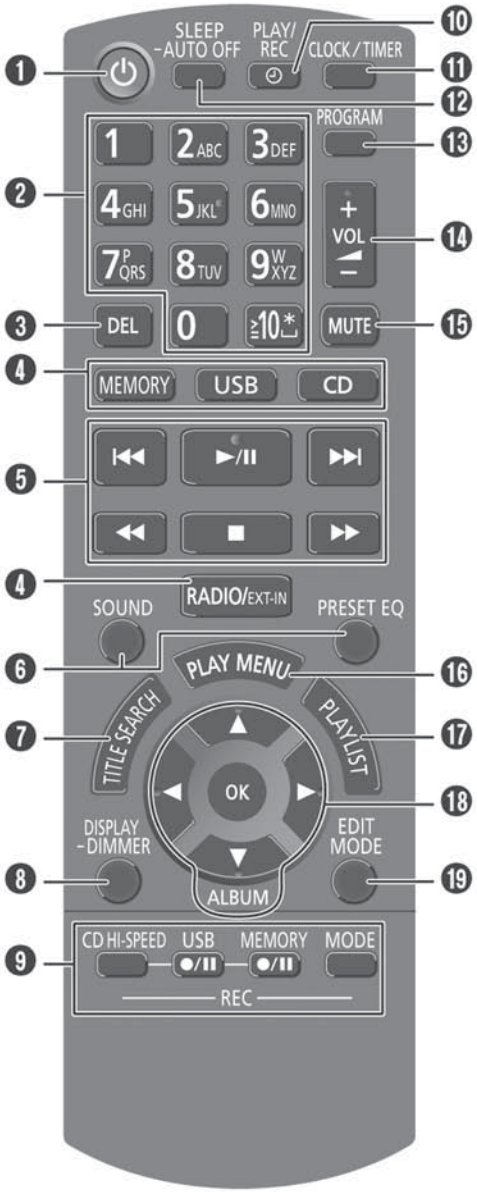
Note on disc

- This system can play CD-R/RW with CD-DA or MP3 format content.
- Some CD-R/RW cannot be played because of the condition of the recording.
- MP3 files are defined as tracks and folders are defined as albums.
- This system can access up to:
  – CD-DA: 99 tracks
  – MP3: 999 tracks, 255 albums and 20 sessions
- Disc must conform to ISO9660 level 1 or 2 (except for extended formats).
- Recordings will not necessarily be played in the order you recorded them.

MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson.

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**
To cancel, press the button again.
"MUTE" is also canceled when you adjust the volume or when you switch off the system.

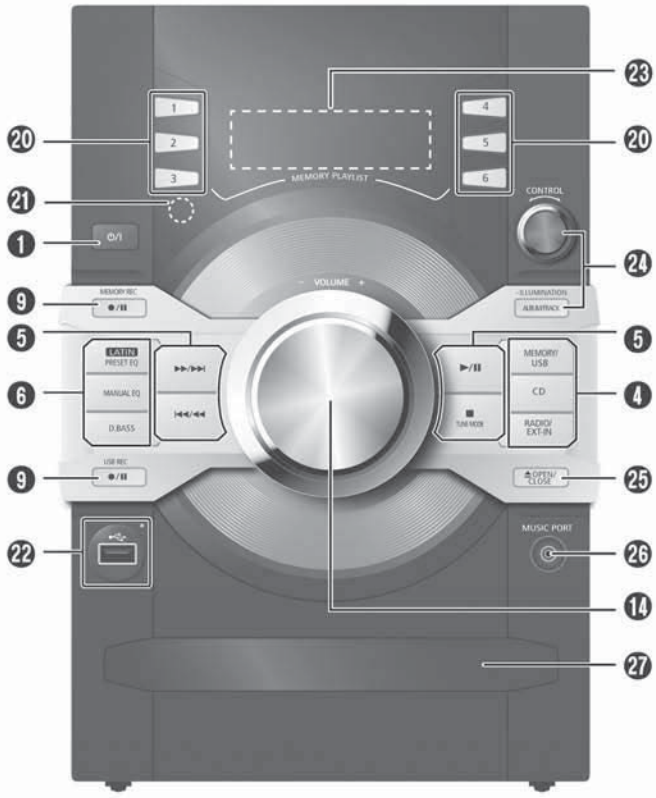
⓰ Set the play menu item

⓱ Internal memory playlist operation

⓲ Select the option

⓳ Set the edit mode for USB and internal memory

6.2. Main Unit 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.

❹ Select audio source

❺ Basic playback control

❻ Select the sound effects

❾ Recording operation control

⓮ Adjust the volume of the system

⓴ **Internal memory playlist direct buttons**
Press and hold to add a track to the corresponding playlist.
Press to select the playlist.

㉑ Remote control sensor
Distance: Within approximately 7 m
Angle: Approximately 20° up and down, 30° left and right

㉒ USB port (•<)
USB status indicator

㉓ Display panel

㉔ Browse playlist of the internal memory
Browse tracks or albums
(CD)
Turn [CONTROL] to browse the track.
Press [►/❚❚] to start playback from the selection.
(MP3)
Press [ALBUM/TRACK] to select album or track and then turn [CONTROL] to browse.
Press [►/❚❚] to start playback from the selection.

㉕ Open or close the disc tray

㉖ Music port jack

㉗ Disc tray

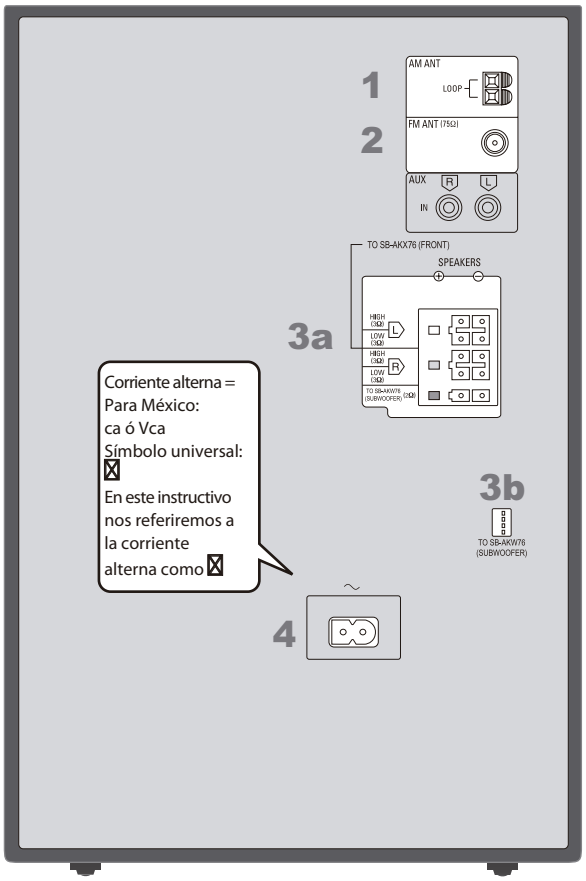
7 Installation Instructions

7.1. Speaker and A/C Connection

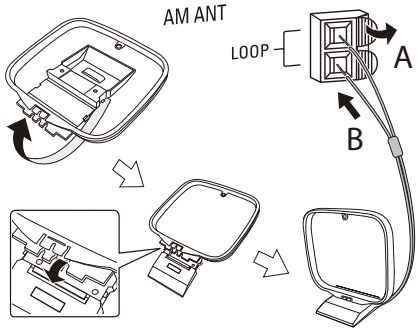
Cómo realizar las conexiones

Conecte el cable de alimentación de ~ sólo después de haber hecho todas las demás conexiones.

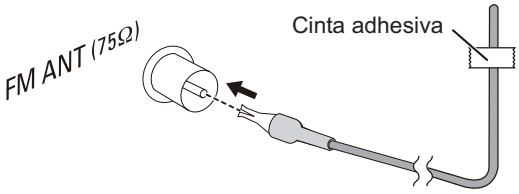
Las ilustraciones mostradas son de SC-AKX76.
Su unidad puede diferir en apariencia.



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

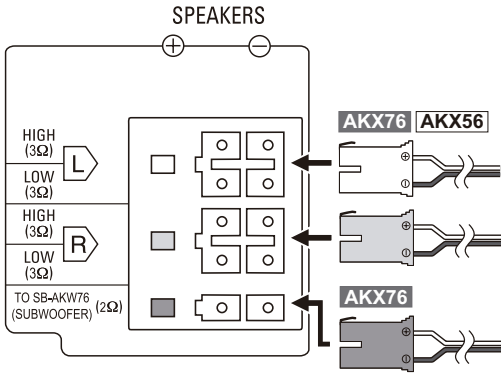


2 **Conecte la antena interior FM.**
Coloque la antena donde la recepción sea la mejor.

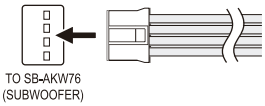


3 **Conecte los bafles.**
Conecte los cables del bafle a las terminales del mismo color.

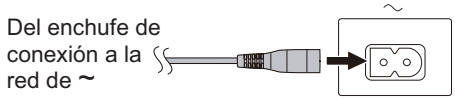
3a



3b AKX76



4 **Conecte el cable de alimentación de ~**



No use un cable de alimentación de ~ de otro equipo.

Cómo ahorrar energía
El sistema consume una pequeña cantidad de corriente alterna, incluso 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.

8 Service Mode

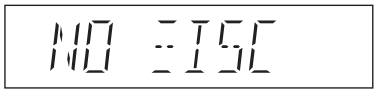
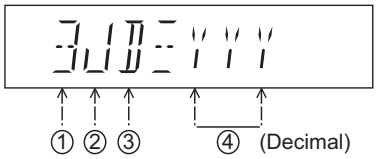
8.1. Cold-Start

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

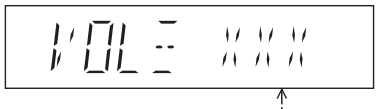
1. Unplug AC power cord
2. Press & hold [POWER] button
3. Plug AC power cord while [POWER] button being pressed
   FL Display will show "_ _ _ _ _ _ _ _"
4. Release [POWER] button

8.2. Doctor Mode Table

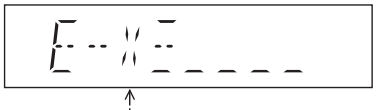
8.2.1. Doctor Mode Table 1

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.	(Display 1)  ① ② ③ ④ (Decimal) Version No. (001 ~ 999) → specific for each firmware (Display 2)  Checksum (Hex)	In CD mode: 1. Enter into Doctor Mode

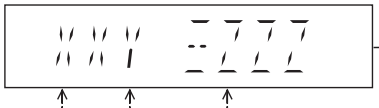
8.2.2. Doctor Mode Table 2

Item		FL Display	Key Operation
Mode Name	Description		Front Key
Volume Setting Check	To check the volume setting of the main unit.	 Press [7]: VOL50 Press [8]: VOL35 Press [9]: VOL0 └ Volume	In Doctor Mode: 1. Press [7], [8], [9] button on the remote control.
FL Display Check	To check the FL segment display. All segments will light up while all LED blink at 0.5s intervals.		In Doctor mode: 1. Press [1] button on the remote control. 2. To cancel this mode, press [0] button on the remote control.
Traverse Test	To determine the traverse unit operation for inner & outer access track. In this mode,ensure the CD is in the main unit. Note: Refer to Section 8.3 Figure 8-2 for process flow	 The counter will increment by one. When reach 99999999 will change to 00000000 Cancellation Display 	In Doctor Mode: 1. Press [10]→[1]→[2] button on the remote control. 2. To cancel this mode, press [0] button on the remote control.
Reliability Test (Combination)	To determine the traverse unit operation & open/close operation of the mechanism. In this mode,ensure the CD is in the main unit. Note: Refer to Section 8.3 Figure 8-3 for process flow	 The counter will increment by one. When reach 99999999 will change to 00000000 Cancellation Display 	In Doctor Mode: 1. Press [10]→[1]→[5] button on the remote control. 2. To cancel this mode, press [0] button on the remote control.
Loading Test	To determine the open & close operation of the CD Mechanism Unit. In this mode, the tray will open & close automatically. Note: Refer to Section 8.3 Figure 8-1 for process flow	 The counter will increment by one. When reach 99999999 will change to 00000000 Cancellation Display 	In Doctor Mode: 1. Press [10]→[2]→[1] button on the remote control. 2. To cancel this mode, press [0] button on the 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
Test</td><td>To display result of self-adjustment for CD.</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/TAGC</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 the remote control.

To cancel this mode, press [0] button on the remote control.</td></tr>
<tr><td>CD LSI Version Check</td><td>For checking CD LSI Version and checksum information.</td><td>(Display 1)
 
ROM Type
Version (Decimal)
Year Develop
after 2 sec
(Display 2)
 
Checksum (Hex)</td><td>In Doctor Mode:
1. Press [4] button on the remote control.

To cancel this mode, press [0] button on the remote control.</td></tr>
</table>

8.3. Reliability Test Mode (CD Mechanism Unit)

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

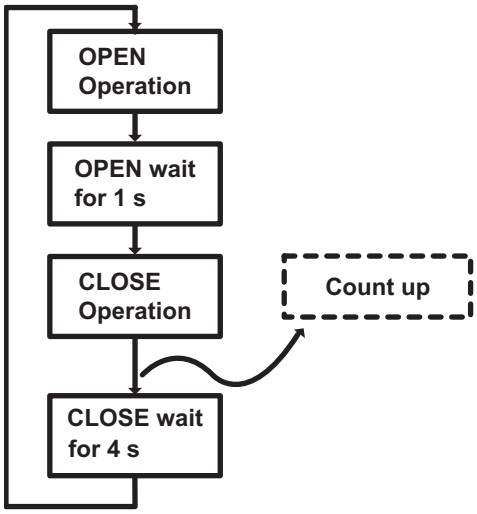


Fig. 1. Reliability Test (Loading)

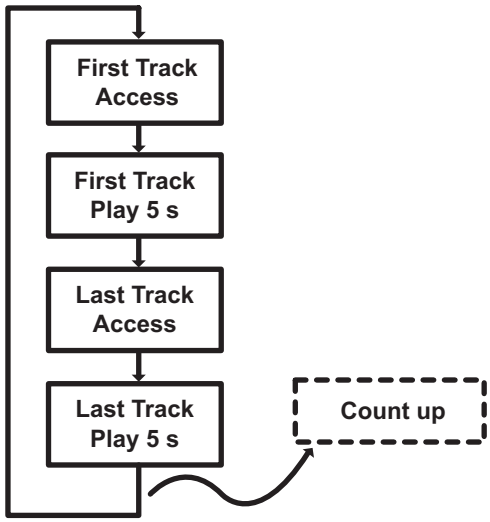


Fig. 2. Reliability Test (Traverse)

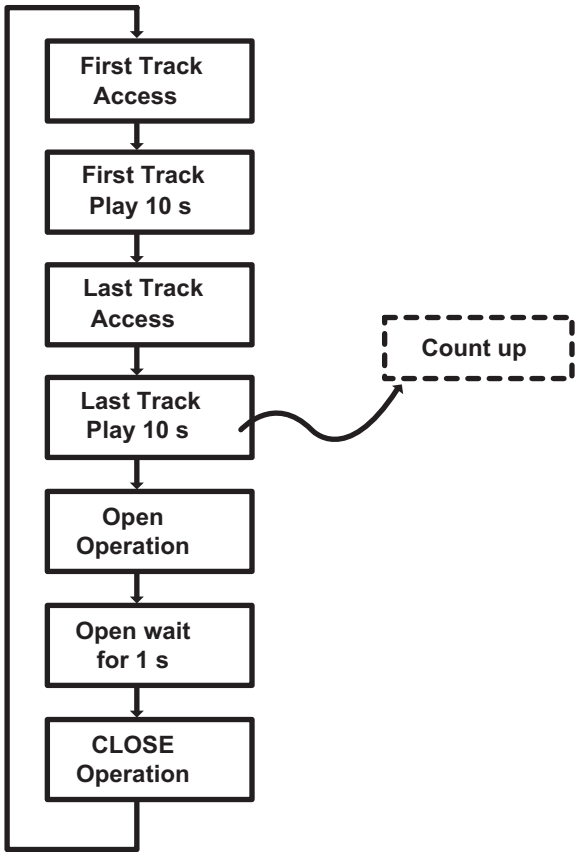
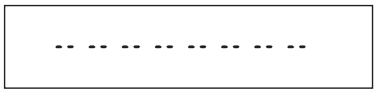


Fig. 3. Reliability Test (Combination)

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 [■] button 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.
Cold Start	To active cold start upon next AC power up when reset start is execute the next time.		In self diagnostic mode: 1. Press [3] button on the 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)		

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

Error Code	Diagnostic Contents	Description of 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 demonstration lock mode

Here is the procedures to enter into the Sales demonstration lock mode.
Step 1: Turn on the unit.
Step 2: Select to any mode function.
Step 3: Press and hold [⏏OPEN/CLOSE] and [CD] keys for 5 sec or more.
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 of Sales demonstration lock mode

Step 1: Turn on the unit.
Step 2: Select to any mode function.
Step 3: Set volume to Vol 19.
Step 4: Press and hold [⏏OPEN/CLOSE] and [CD] keys for 5 sec or more.
The display will show upon entering into this mode for 2 sec..

9 Troubleshooting Guide

"Contents for this section is not available at time of issue"

10 Disassembly and Assembly Instructions

- **Illustration is based on SA-AKX76PH-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., LED P.C.B. and Music Port P.C.B.
- Disassembly of Remote Sensor P.C.B.
- Disassembly of USB P.C.B.
- Disassembly of CD Lid
- Disassembly of Rear Panel
- Disassembly of Main P.C.B.
- Disassembly of SMPS P.C.B. and Voltage Selector P.C.B.
- Disassembly of CD Mechanism Unit
- Disassembly of CD Interface P.C.B.
- Disassembly of Fan Unit

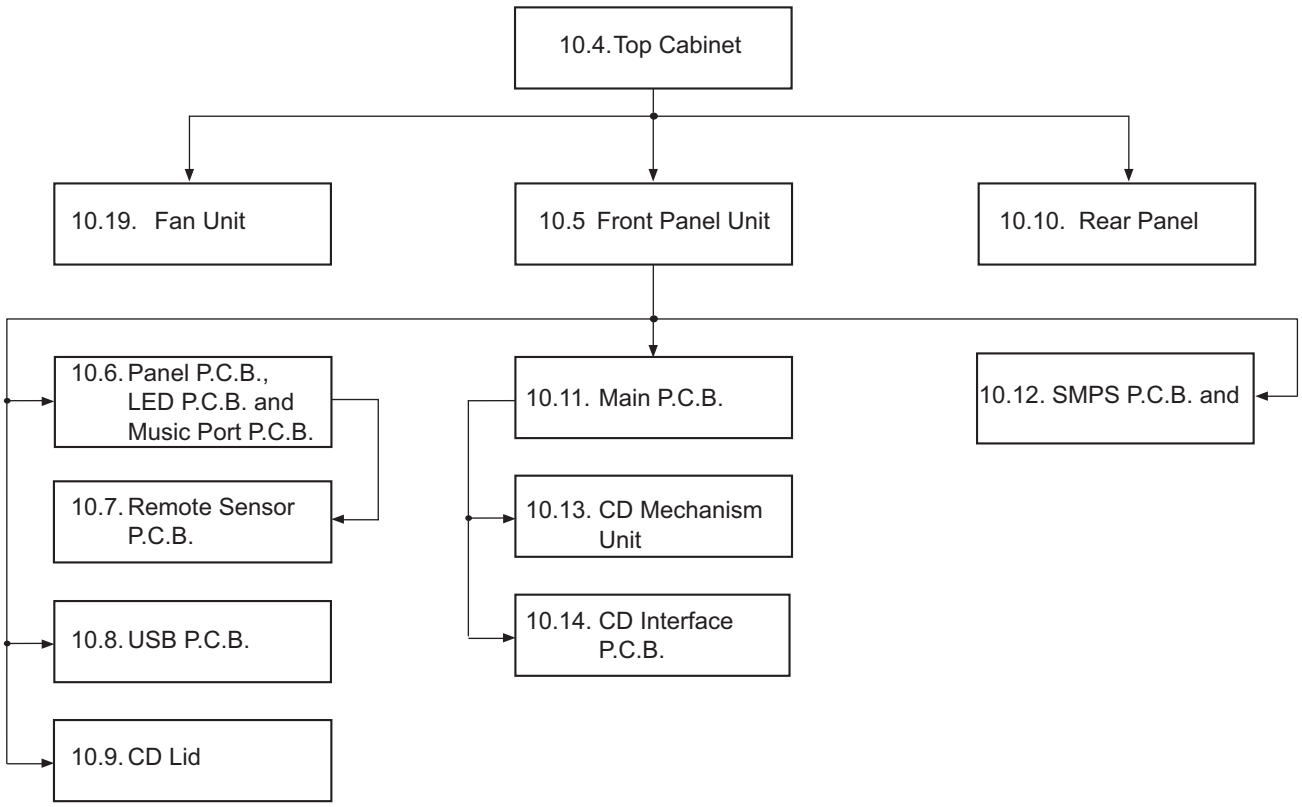
10.1. Screw Types

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

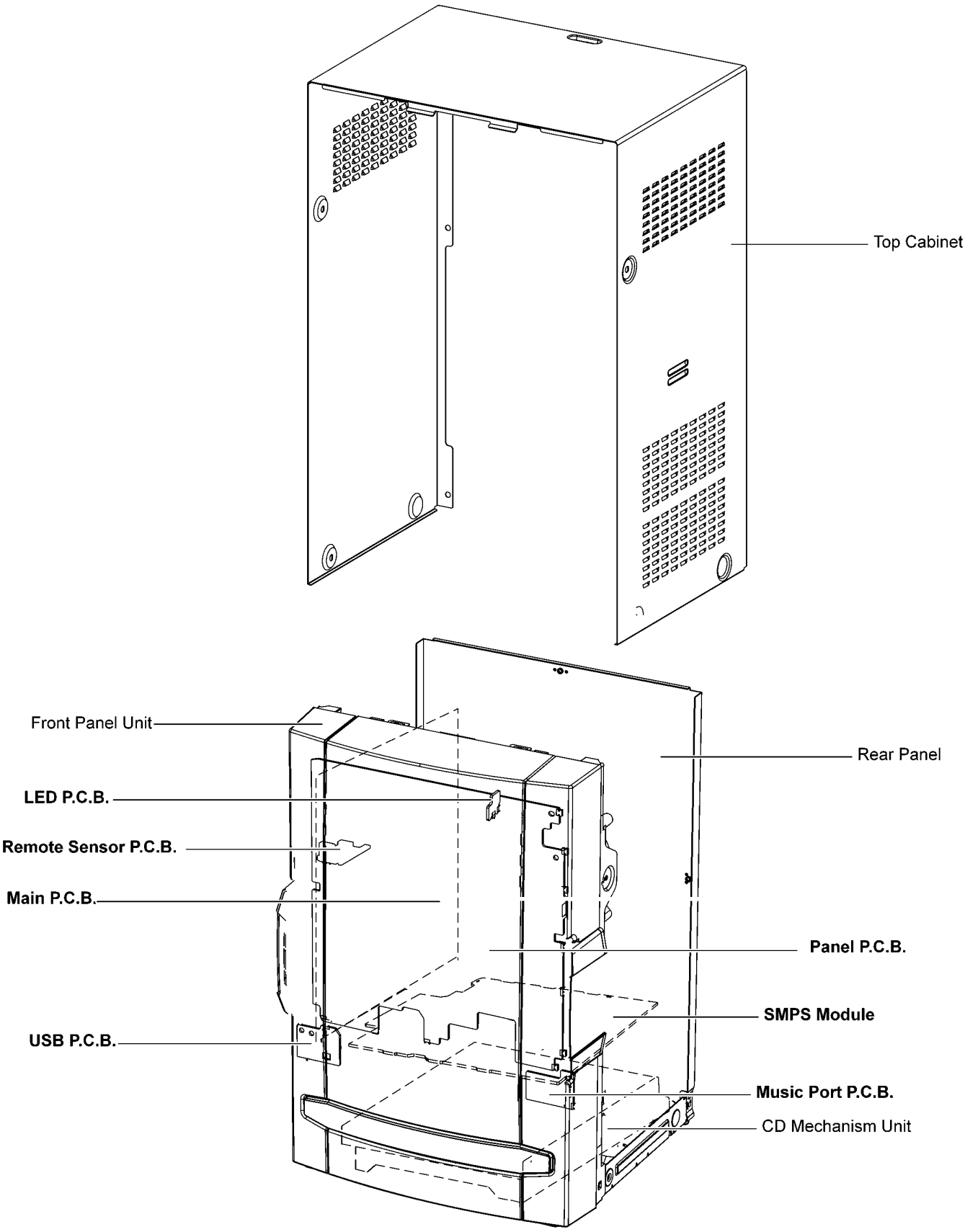
Below shown is part no. of different screw types used:

ⓐ :RHD30007-K2J	ⓔ :RHD26043-1
ⓑ :RHD30119-S	ⓕ :RHDX30005-J
ⓒ :RHD26046	ⓖ :RHDX031008
ⓓ :RHD30111-31	ⓗ :XTN2+6GFJ

10.2. Disassembly Flow Chart

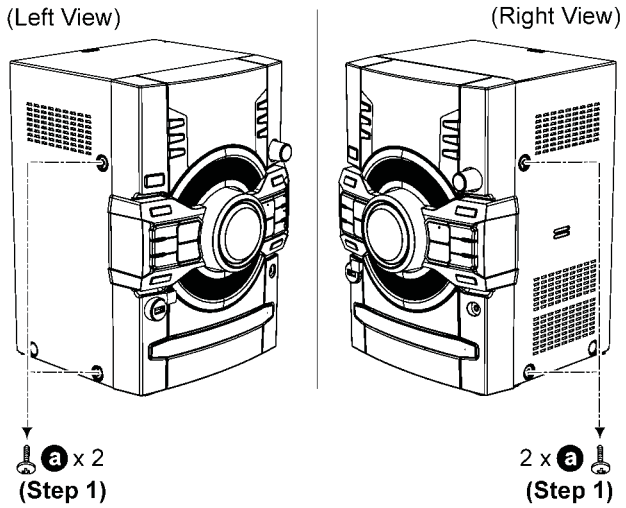


10.3. Main Components and P.C.B. Locations



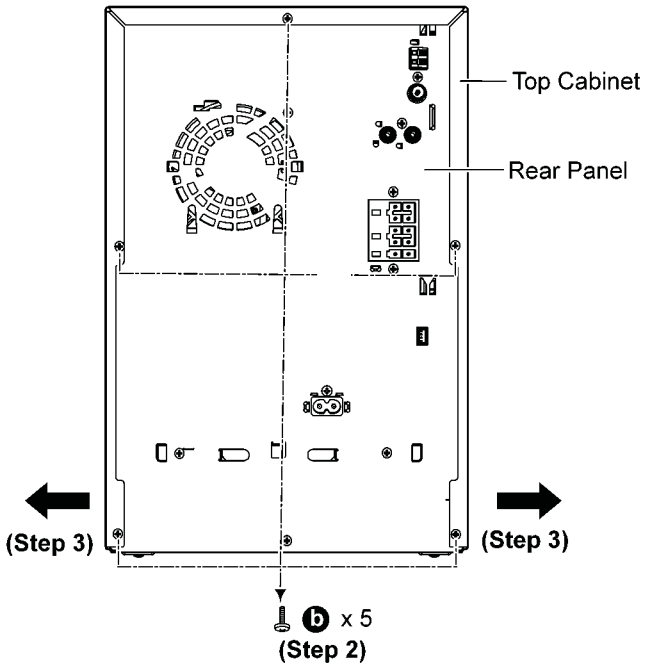
10.4. Disassembly of Top Cabinet

Step 1 Remove 2 screws on each side.



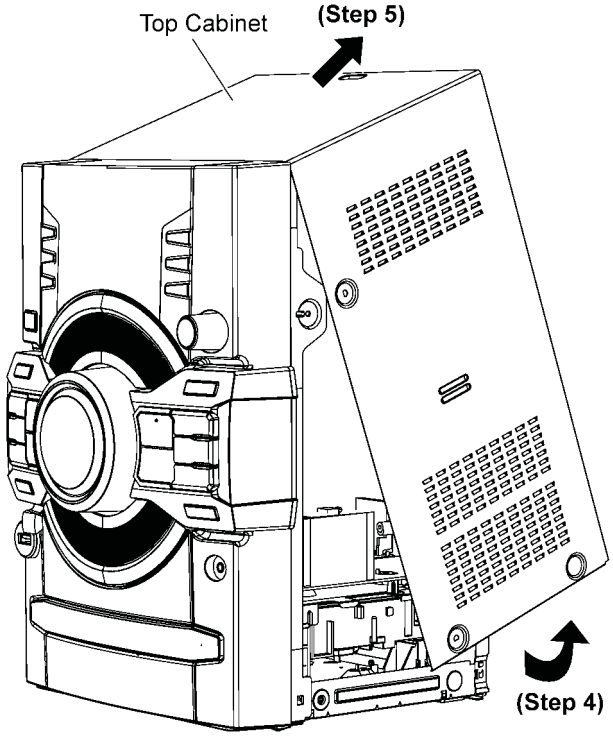
Step 2 Remove 5 screws.

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

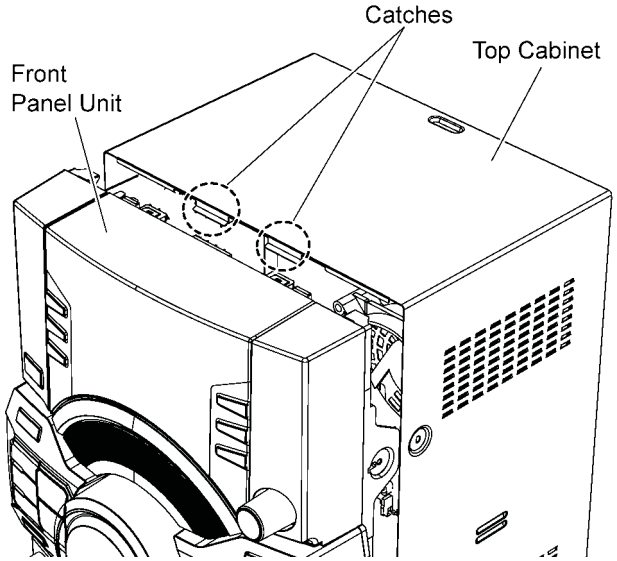


Step 4 Slightly lift up the Top Cabinet in an outward direction as shown.

Step 5 Remove the Top Cabinet.



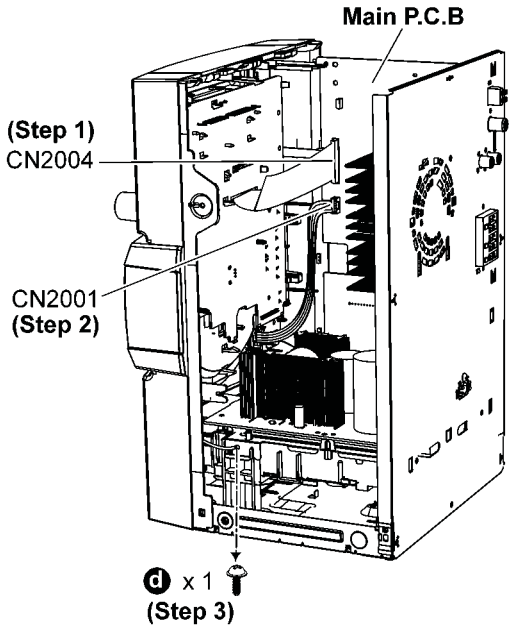
Caution: During assembling, ensure that the Top Cabinet catches are properly inserted into the Front Panel Unit.



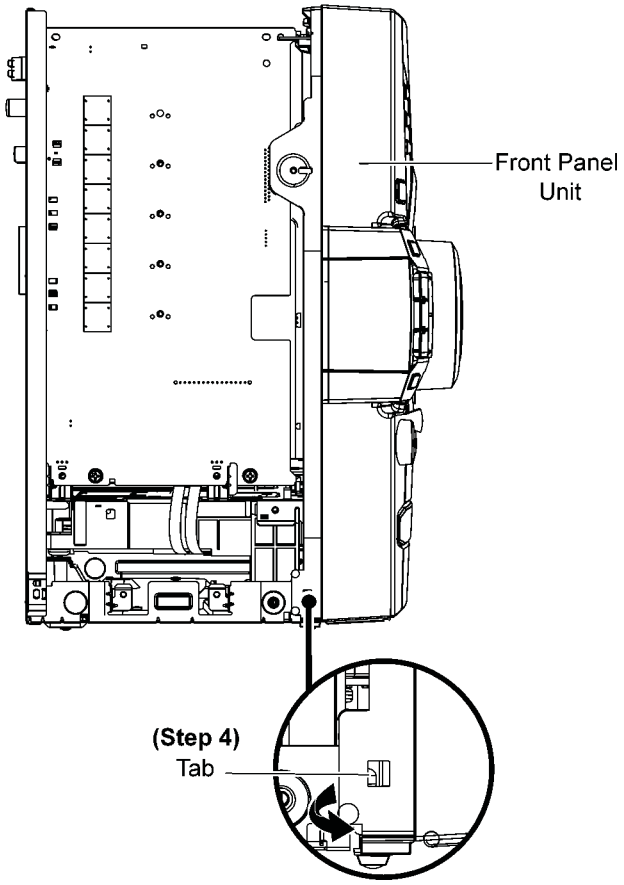
10.5. Disassembly of Front Panel Unit

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

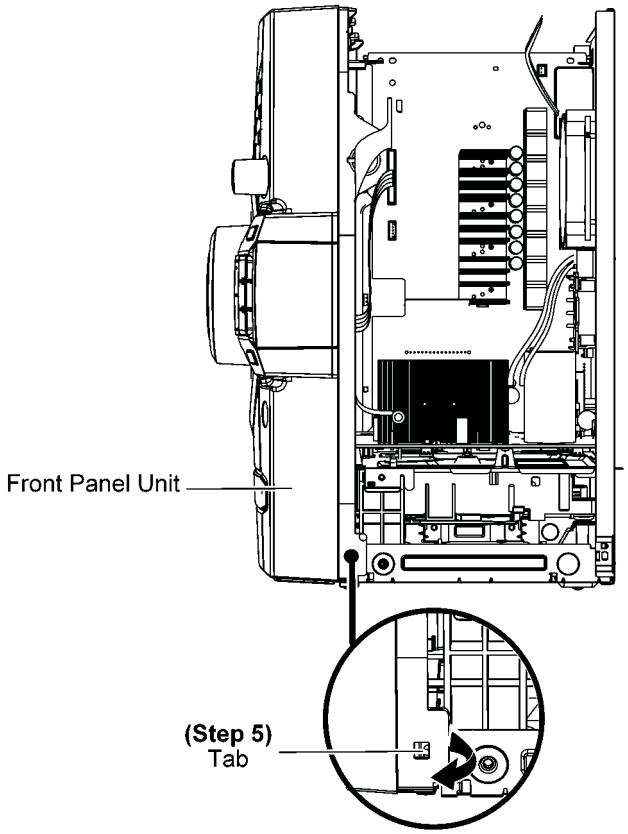
Step 1 Detach 30P FFC at the connector (CN2004) on Main P.C.B..
Step 2 Detach 5P Cable at the connector (CN2001) on Main P.C.B..
Step 3 Remove 1 screw.



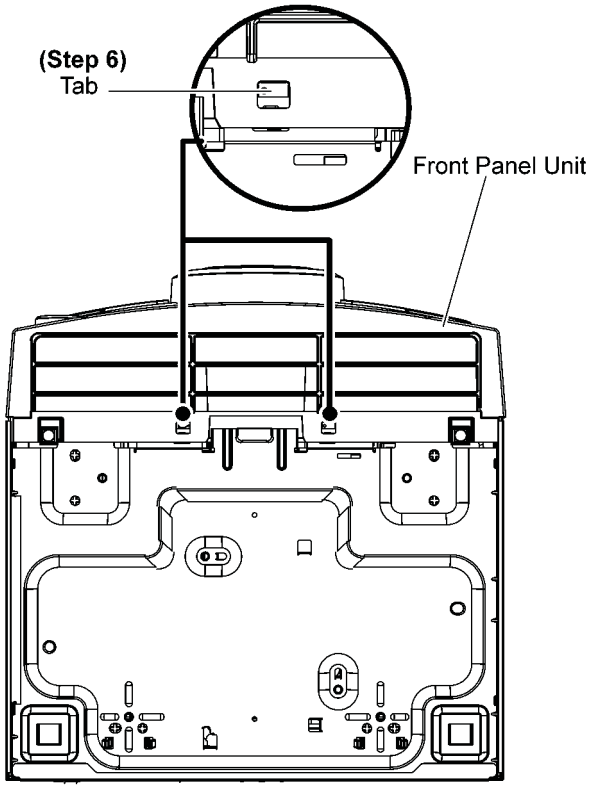
Step 4 Release tab at the left side of the Front Panel Unit.



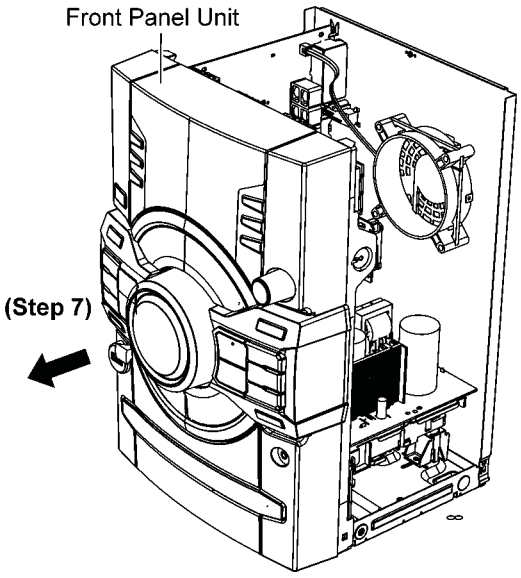
Step 5 Release tab at the right side of the Front Panel Unit.



Step 6 Release tabs at bottom.



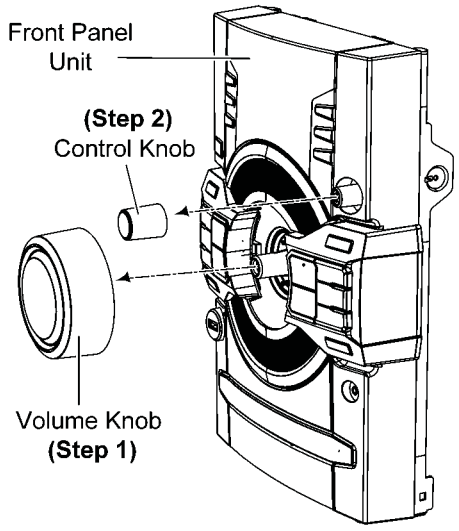
Step 7 Detach the Front Panel Unit as arrow shown.



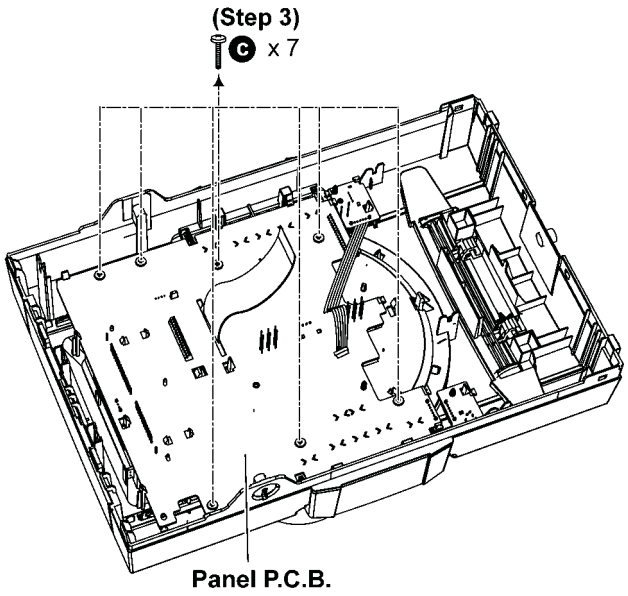
10.6. Disassembly of Panel P.C.B., LED P.C.B. and Music Port P.C.B.

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

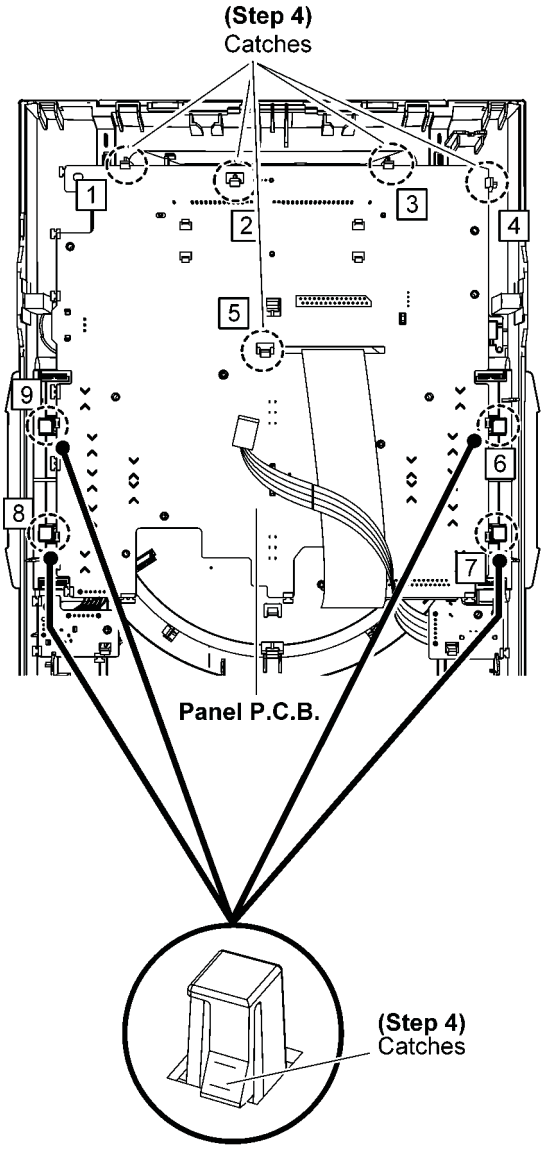
Step 1 Remove the Volume Knob.
Step 2 Remove the Control Knob.



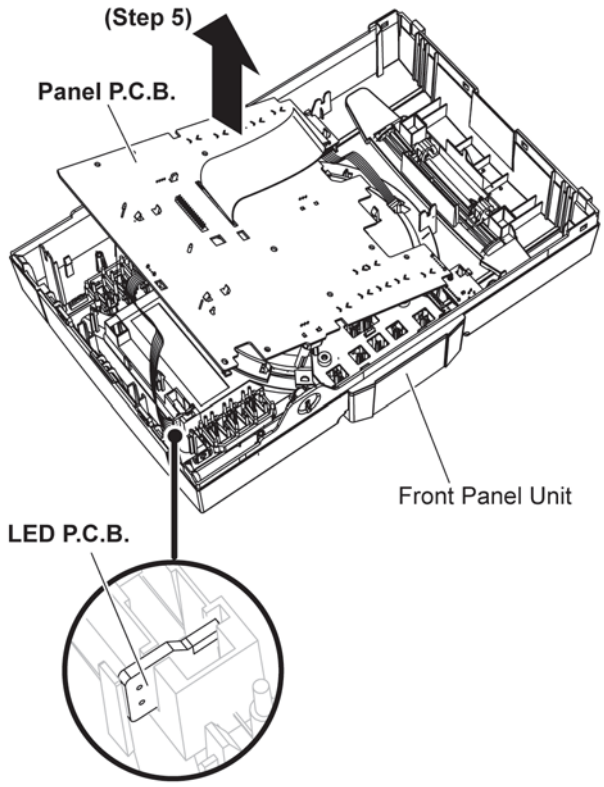
Step 3 Remove 7 screws.



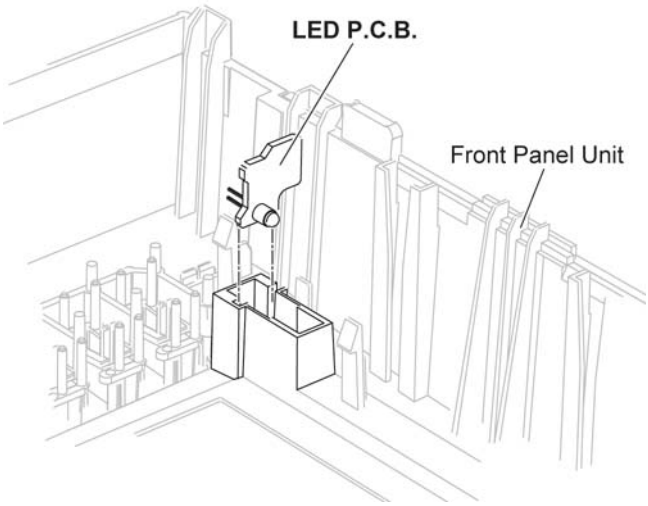
Step 4 Release catches by following the sequences (1-9).



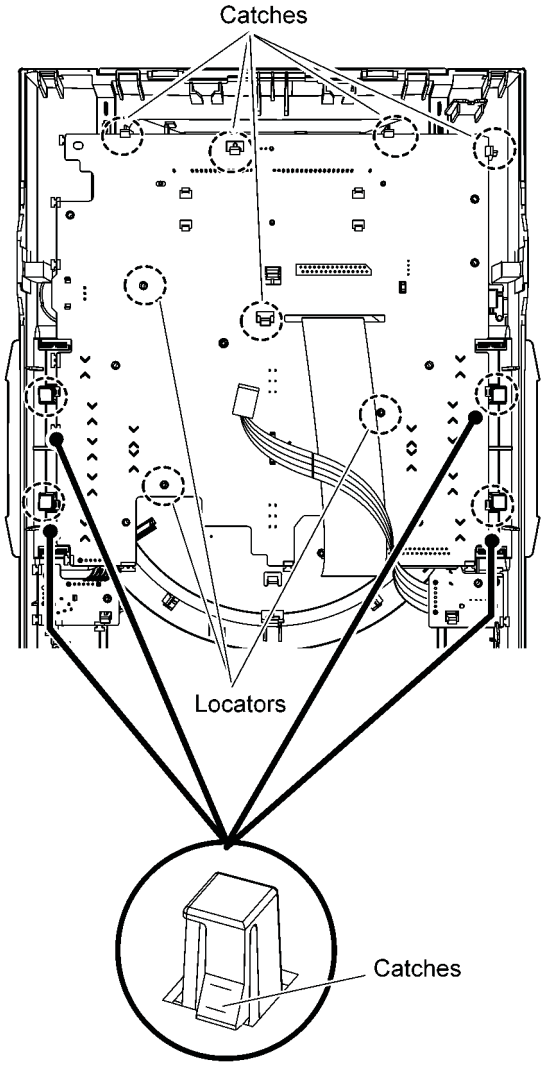
Step 5 Lift up the Panel P.C.B. and LED P.C.B. from the Front Panel Unit.



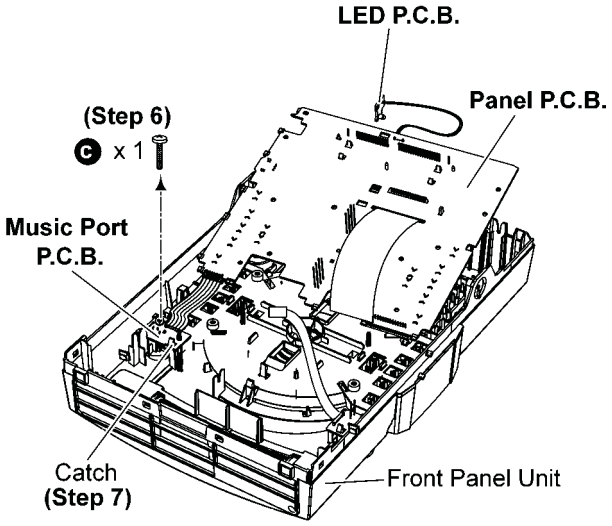
Caution: During assembling, ensure that the LED P.C.B. is properly insert to the Front Panel Unit.



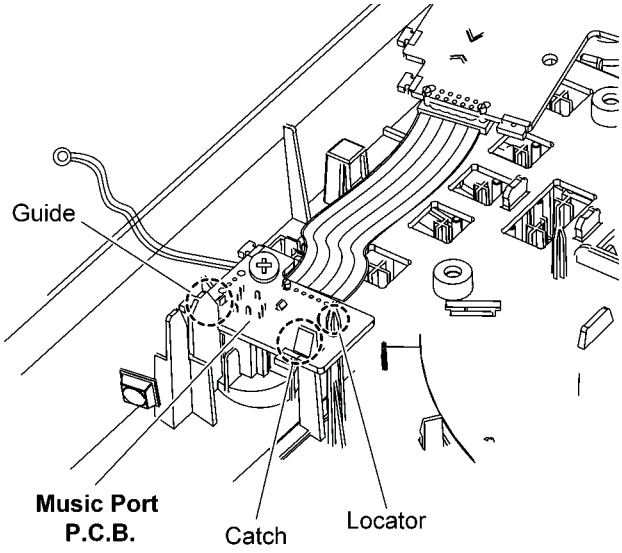
Caution: During assembling, ensure that the Panel P.C.B. is seated properly onto the locators & fully catched.



Step 6 Remove 1 screw.
Step 7 Release 1 catch.
Step 8 Remove the Panel P.C.B., LED P.C.B. and Music Port P.C.B..



Caution: During assembling, ensure that the Music Port P.C.B. is seated properly into the locators & fully catched.

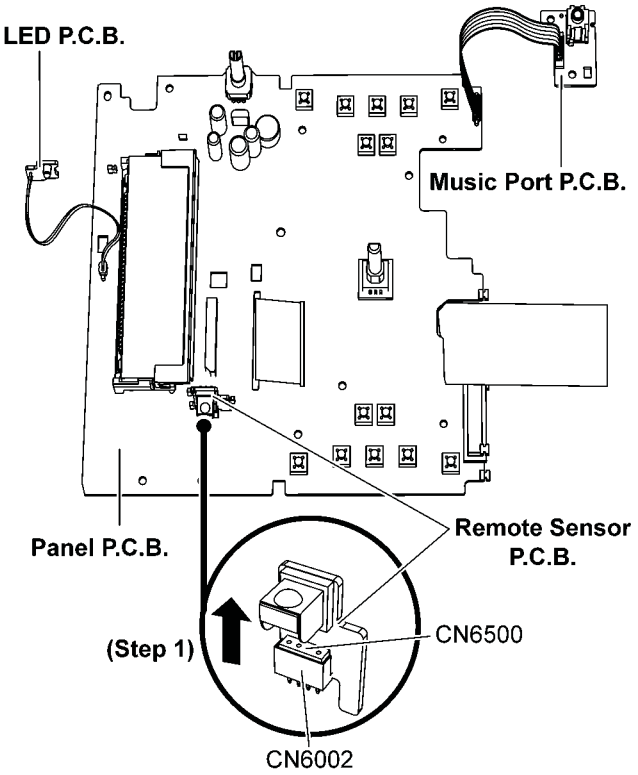


10.7. Disassembly of Remote Sensor P.C.B.

- **Refer to "Disassembly of Top Cabinet".**
- **Refer to "Disassembly of Front Panel Unit".**
- **Refer to "Disassembly of Panel P.C.B., LED P.C.B. and Music Port P.C.B.".**

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

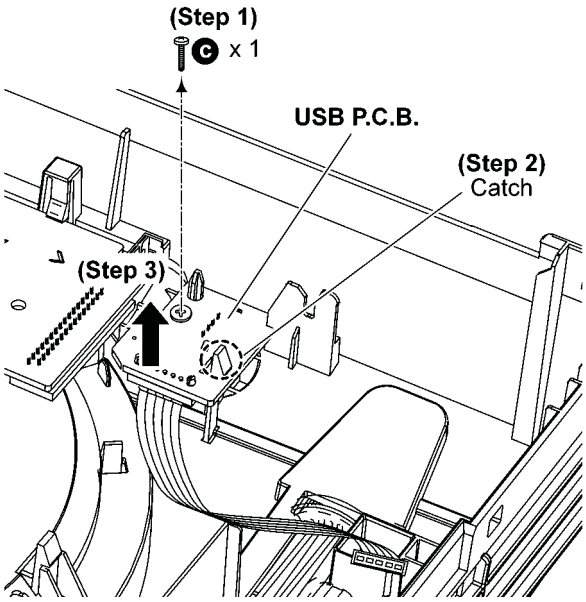
Caution: During assembling, ensure that the Remote Sensor P.C.B. is properly inserted to the Panel P.C.B..



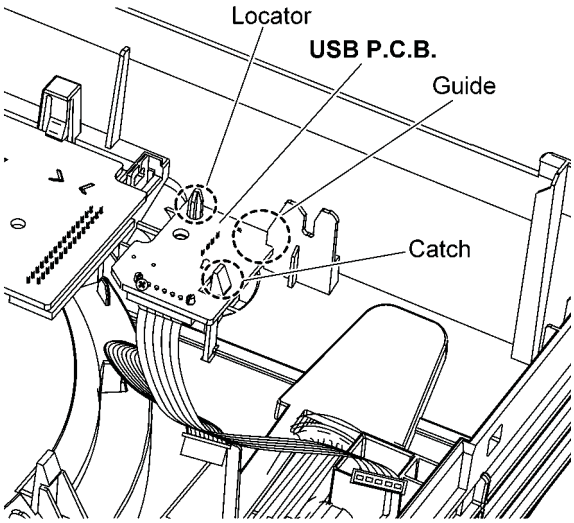
10.8. Disassembly of USB P.C.B.

- **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 Remove the USB P.C.B..



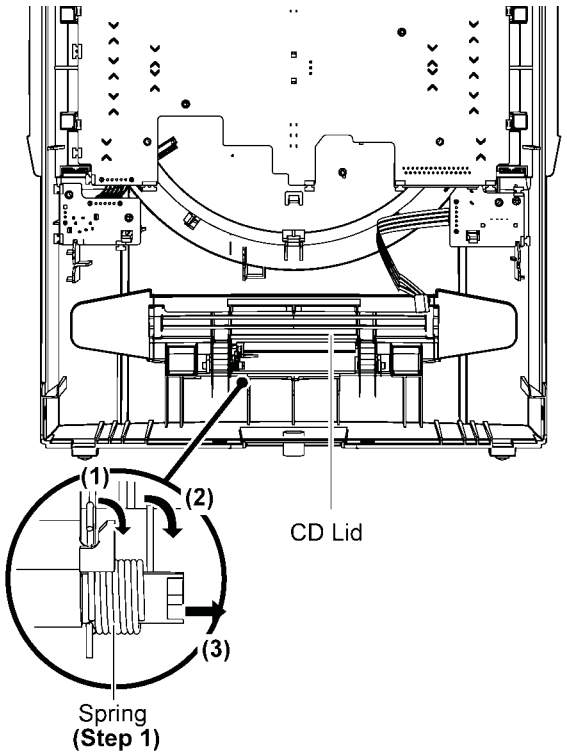
Caution: During assembling, ensure that the USB P.C.B. is seated properly into the locators & fully catched.



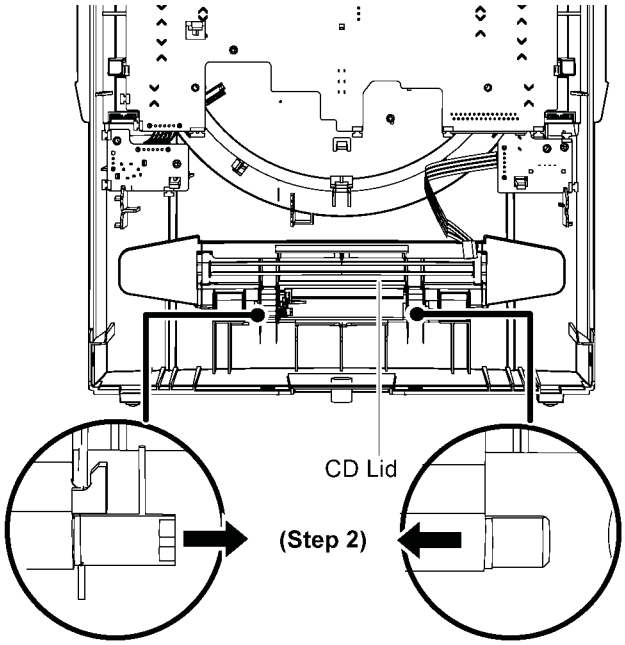
10.9. Disassembly of CD Lid

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

Step 1 Remove the spring in order of sequence (1) to (3).
Caution: During assembling, ensure that the spring is assembly at correct position.



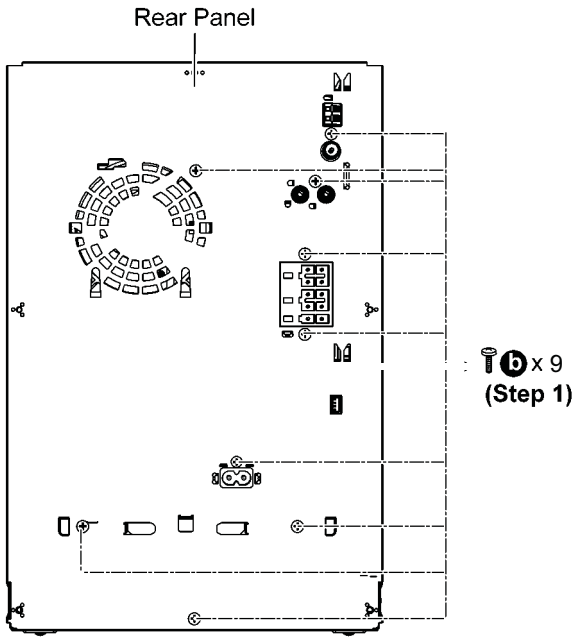
Step 2 Push the bosses of the CD Lid inwards.
Step 3 Remove the CD Lid.



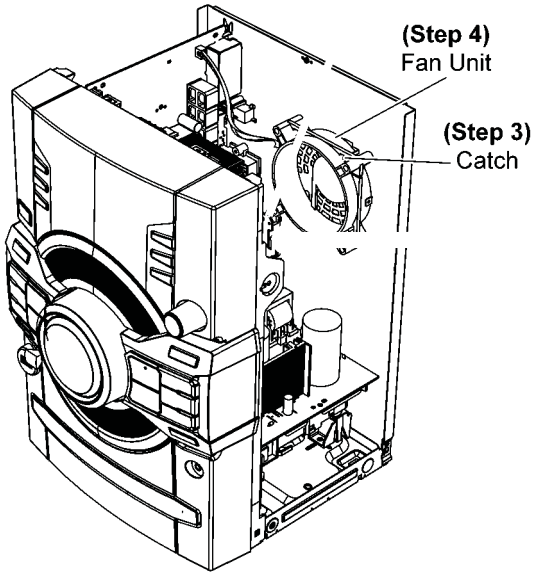
10.10. Disassembly of Rear Panel

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

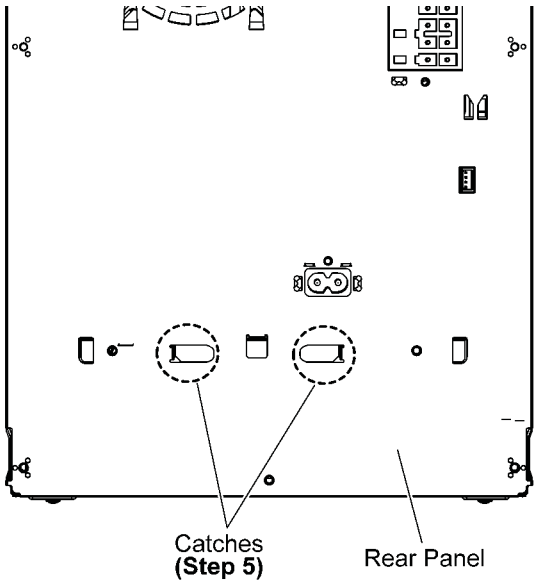
Step 1 Remove 10 screws.



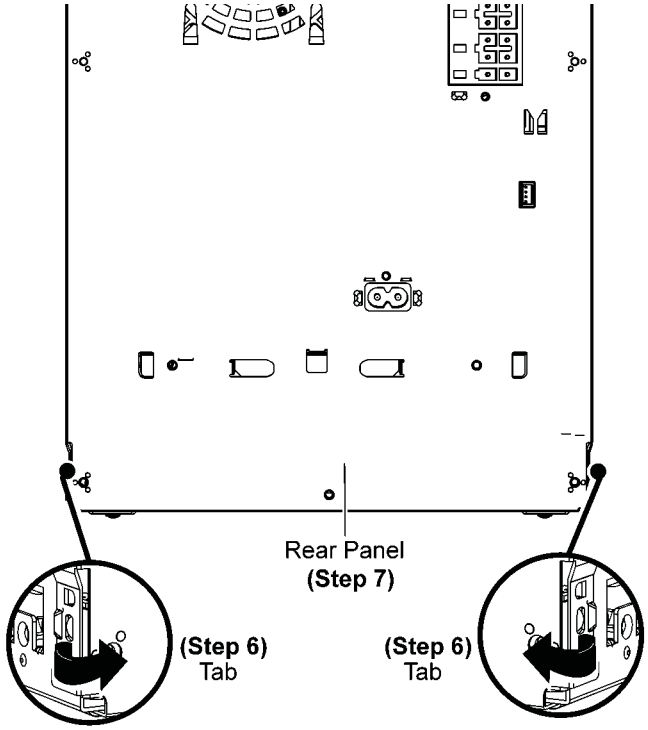
Step 3 Release catch at the Fan Unit .
Step 4 Remove the Fan Unit .



Step 5 Lift up to remove Inner Chassis Unit from the Rear Panel.



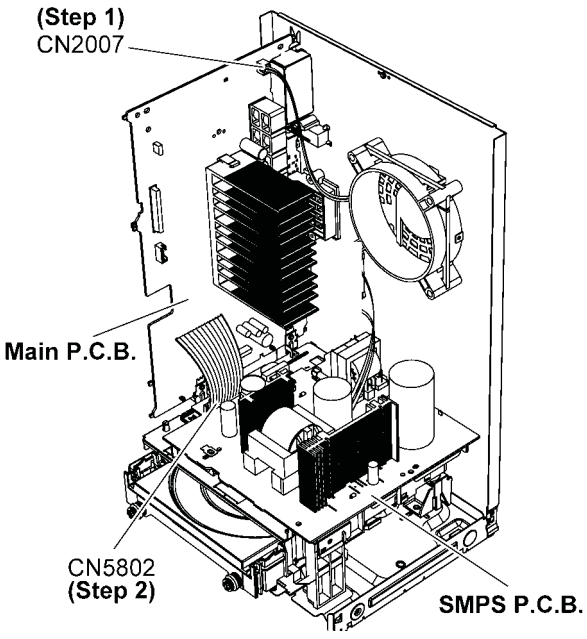
Step 6 Release 2 tabs.
Step 7 Remove Rear Panel.



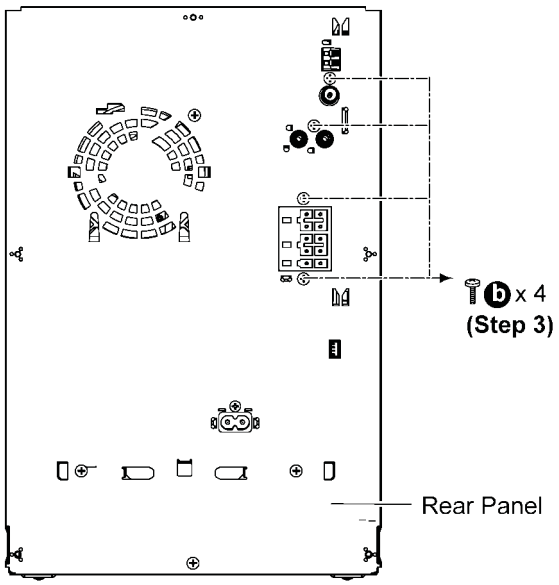
10.11. Disassembly of Main P.C.B.

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

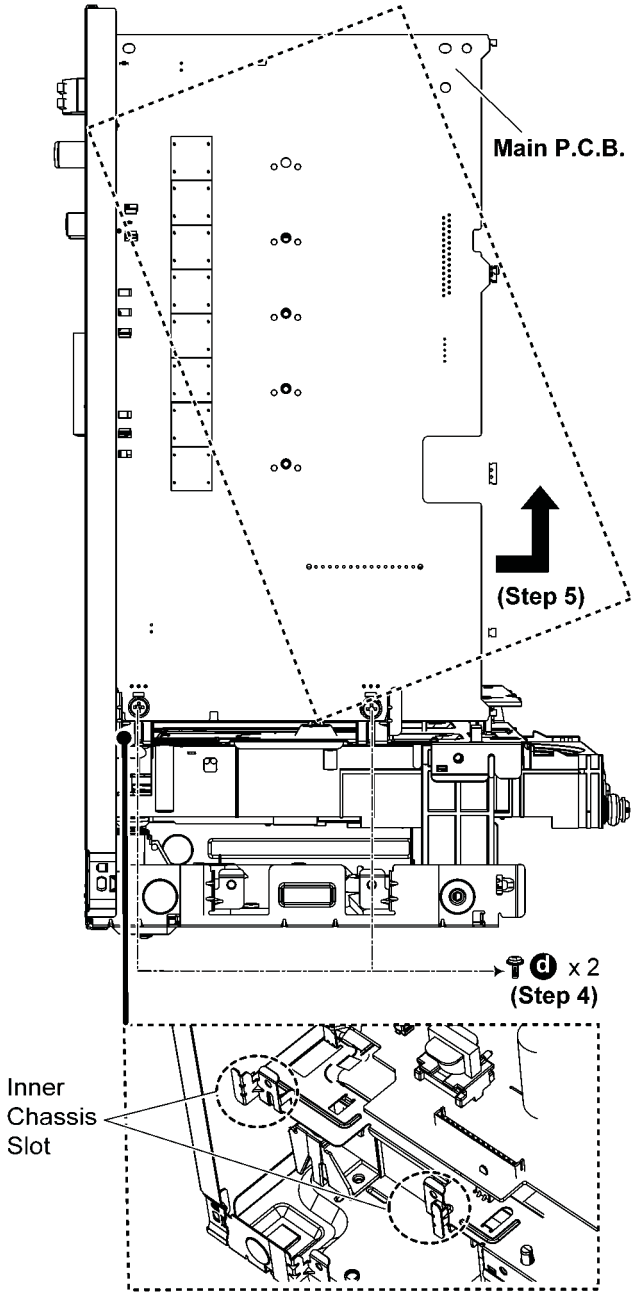
Step 1 Detach 2P Wire at the connector (CN2007) on Main P.C.B..
Step 2 Detach 13P Cable at the connector (CN5802) on SMPS P.C.B..



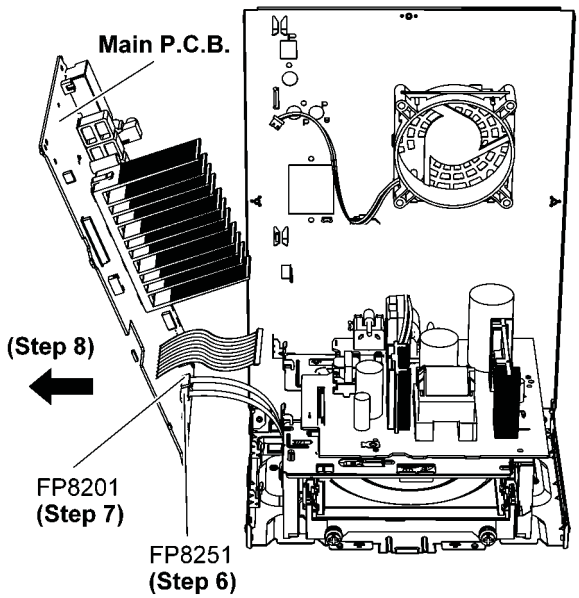
Step 3 Remove 4 screw.



Step 4 Remove 2 screw.
Step 5 Lift up the Main P.C.B.from the slots at the Inner Chassis Unit according to arrow shown.



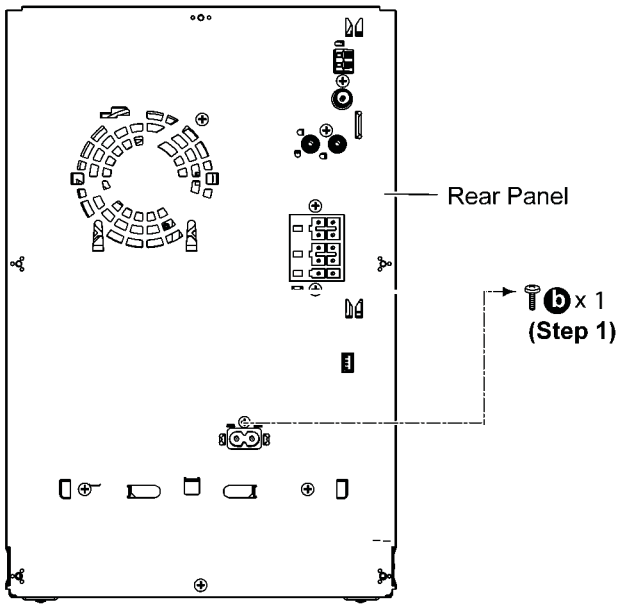
Step 6 Detach 10P FFC at the connector (FP8251) on the Main P.C.B..
Step 7 Detach 24P FFC at the connector (FP8201) on the Main P.C.B..
Step 8 Remove the Main P.C.B..



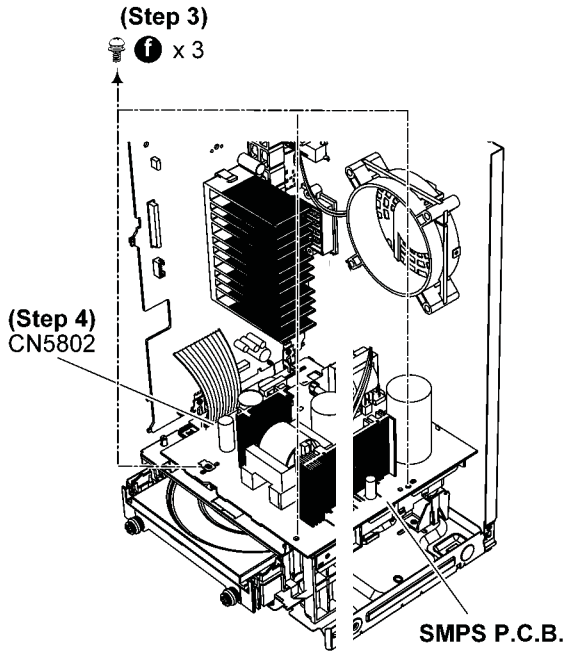
10.12. Disassembly of SMPS P.C.B.

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

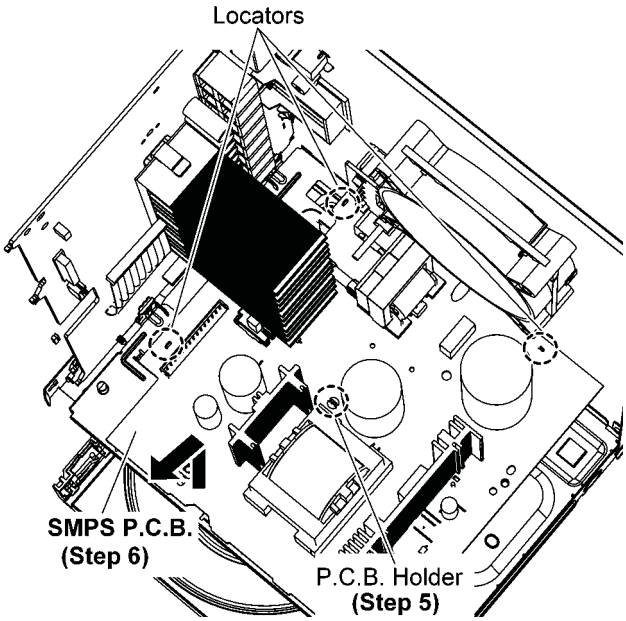
Step 1 Remove the screw.



Step 3 Remove 3 screws.
Step 4 Detach 13P Cable Wire at the connector (CN5802) on SMPS P.C.B..



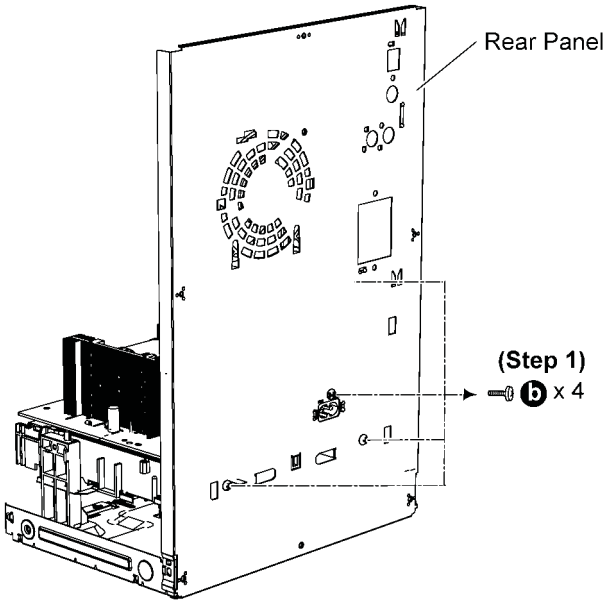
Step 5 Release the P.C.B. Holder..
Step 6 Remove the SMPS P.C.B..
Caution: During assembling, ensure that the SMPS P.C.B. is seated properly onto the locators.



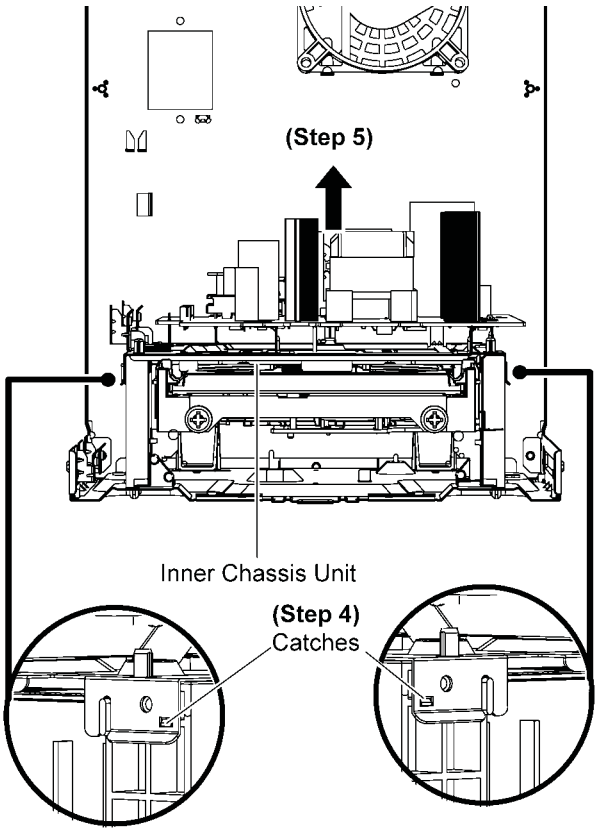
10.13. Disassembly of CD Mechanism Unit

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

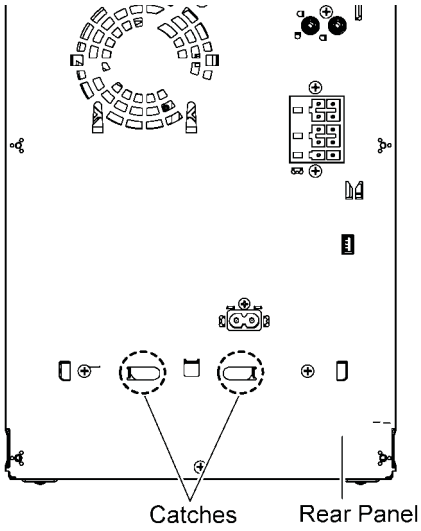
Step 1 Remove 4 screws.



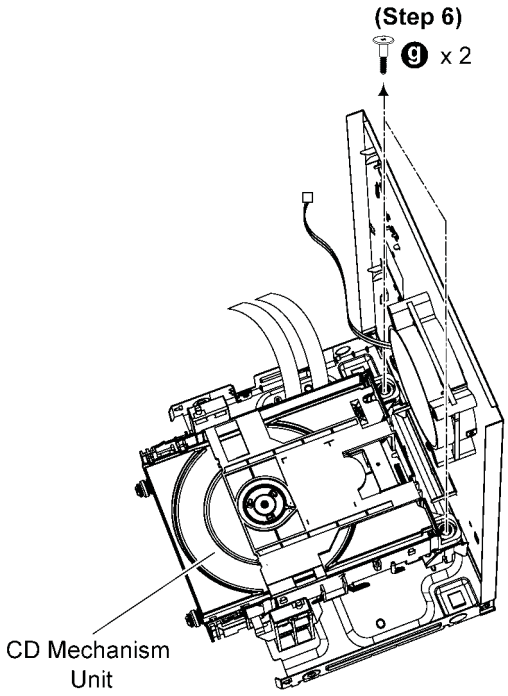
Step 4 Release 2 catches.
Step 5 Lift up and remove the Inner Chassis Unit.



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



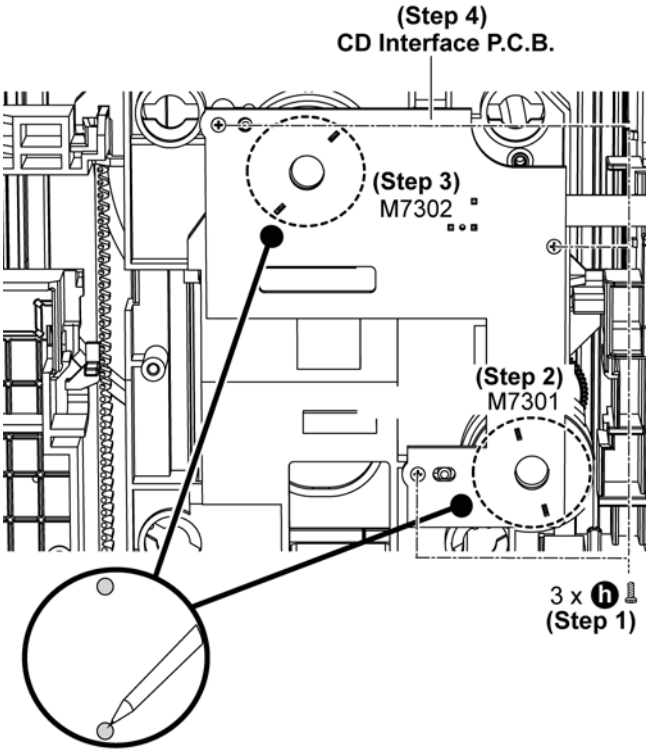
Step 6 Remove 2 screws.
Step 7 Remove the CD Mechanism Unit.



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

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

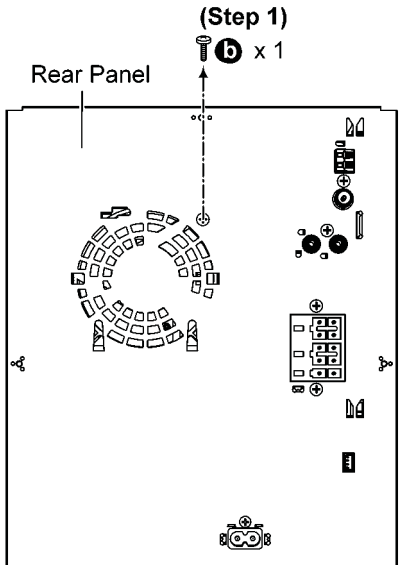
Step 1 Remove 3 screws.
Step 2 Desolder pins of the motor (M7301).
Step 3 Desolder pins of the motor (M7302).
Step 4 Remove the CD Interface P.C.B..



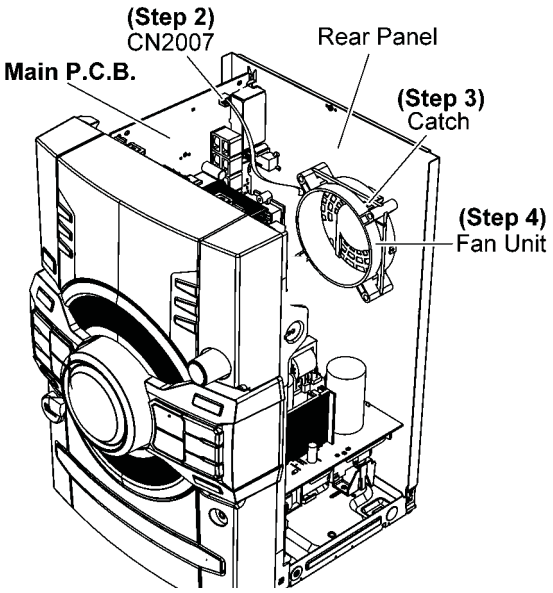
10.15. Disassembly of Fan Unit

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

Step 1 Remove 1 screw.



Step 2 Detach 2P Wire at a connector (CN2007) on the Main P.C.B..
Step 3 Release 1 catch.
Step 4 Remove the Fan Unit.
Caution: During assembling, ensure that the Fan Unit is catched onto the Rear Panel properly.

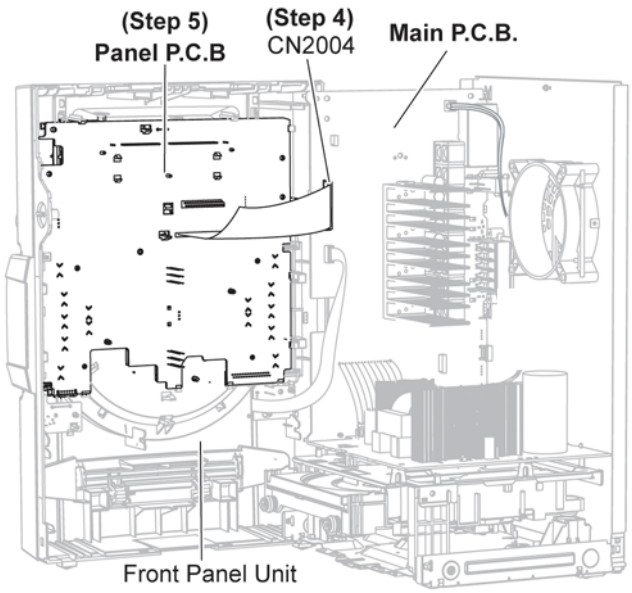


11 Service Position

Note: For description of the disassembly procedures, see the Section 10.

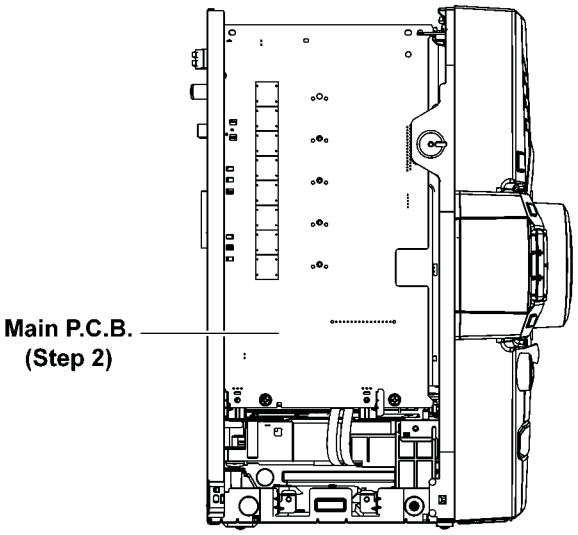
11.1. Checking of Panel P.C.B.

Step 1 Remove Top Cabinet.
Step 2 Remove Front Panel Unit.
Step 3 Positioned the Front panel Unit as shown.
Step 4 Attach 30P FFC at a connector (CN2004) on the Main P.C.B..
Step 5 Panel P.C.B. can be checked at diagram shown.



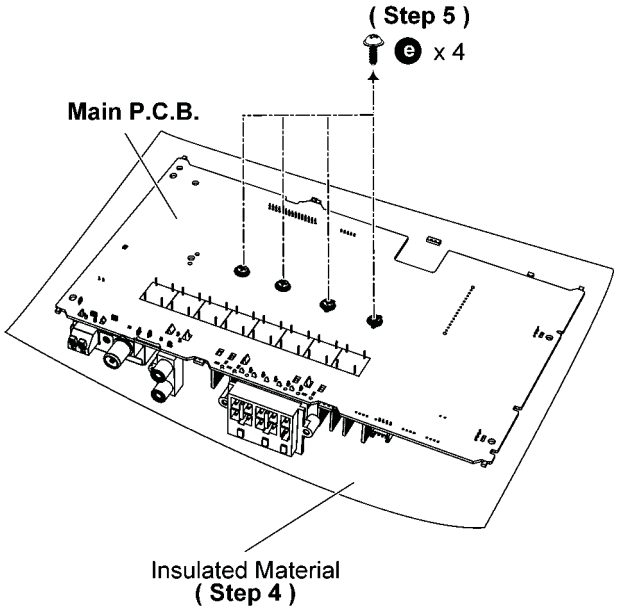
11.2. Checking of Main P.C.B. (Side A)

Step 1 Remove Top Cabinet.
Step 2 Side A Main P.C.B. can be checked at diagram shown.

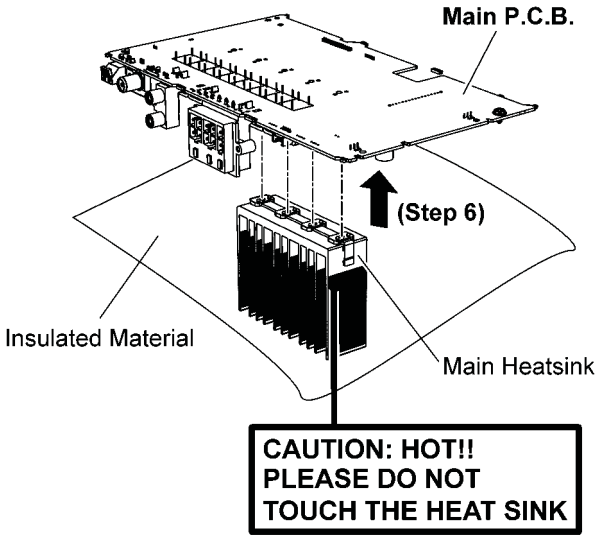


11.3. Checking of Main P.C.B. (Side B)

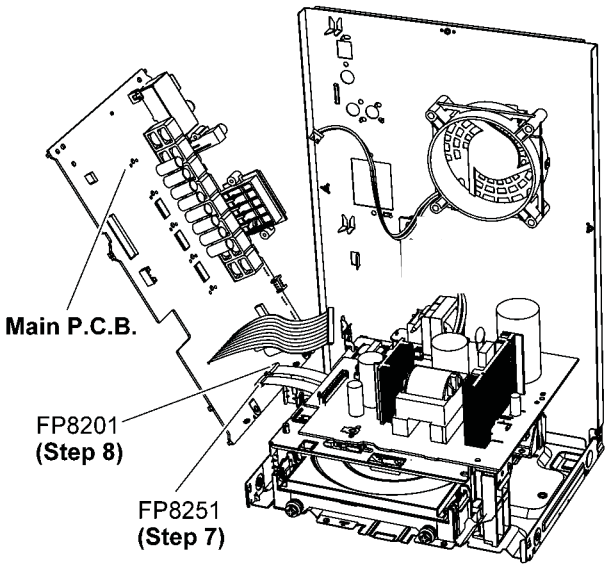
Step 1 Remove Top Cabinet.
Step 2 Remove Front Panel Unit.
Step 3 Remove Main P.C.B..
Step 4 Place the Main P.C.B. on an insulated material.
Step 5 Remove 4 screws.



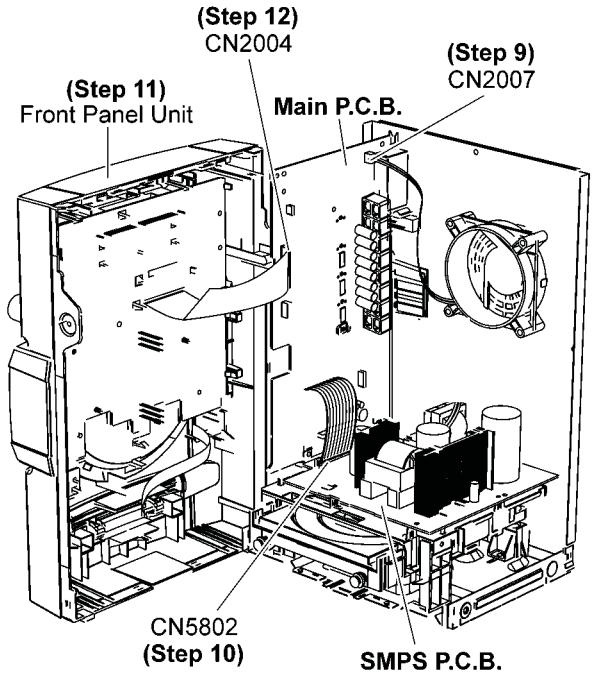
Step 6 Lift up to remove the Main P.C.B..



Step 7 Attach 10P FFC at the connector (FP8251) on the Main P.C.B..
Step 8 Attch 24P FFC at the connector (FP8201) on the Main P.C.B..

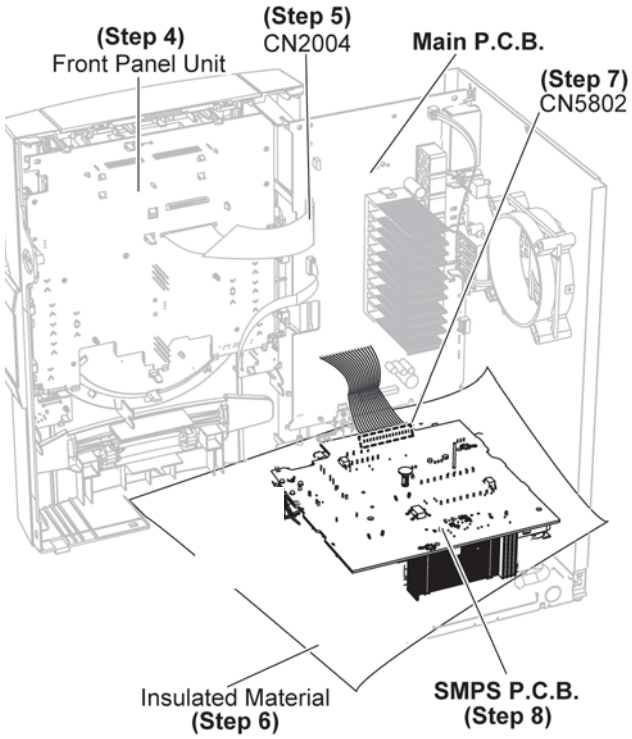


Step 9 Attach 2P Wire at a connector (CN2007) on the Main P.C.B..
Step 10 Attach 13P Cable at the connector (CN5802) on the SMPS P.C.B..
Step 11 Positioned the Front Panel Unit as shown.
Step 12 Detach 30P FFC at the connector (CN2004) on the Main P.C.B..
Step 13 Side B Main P.C.B. can be checked at diagram shown.



11.4. Checking of SMPS P.C.B.

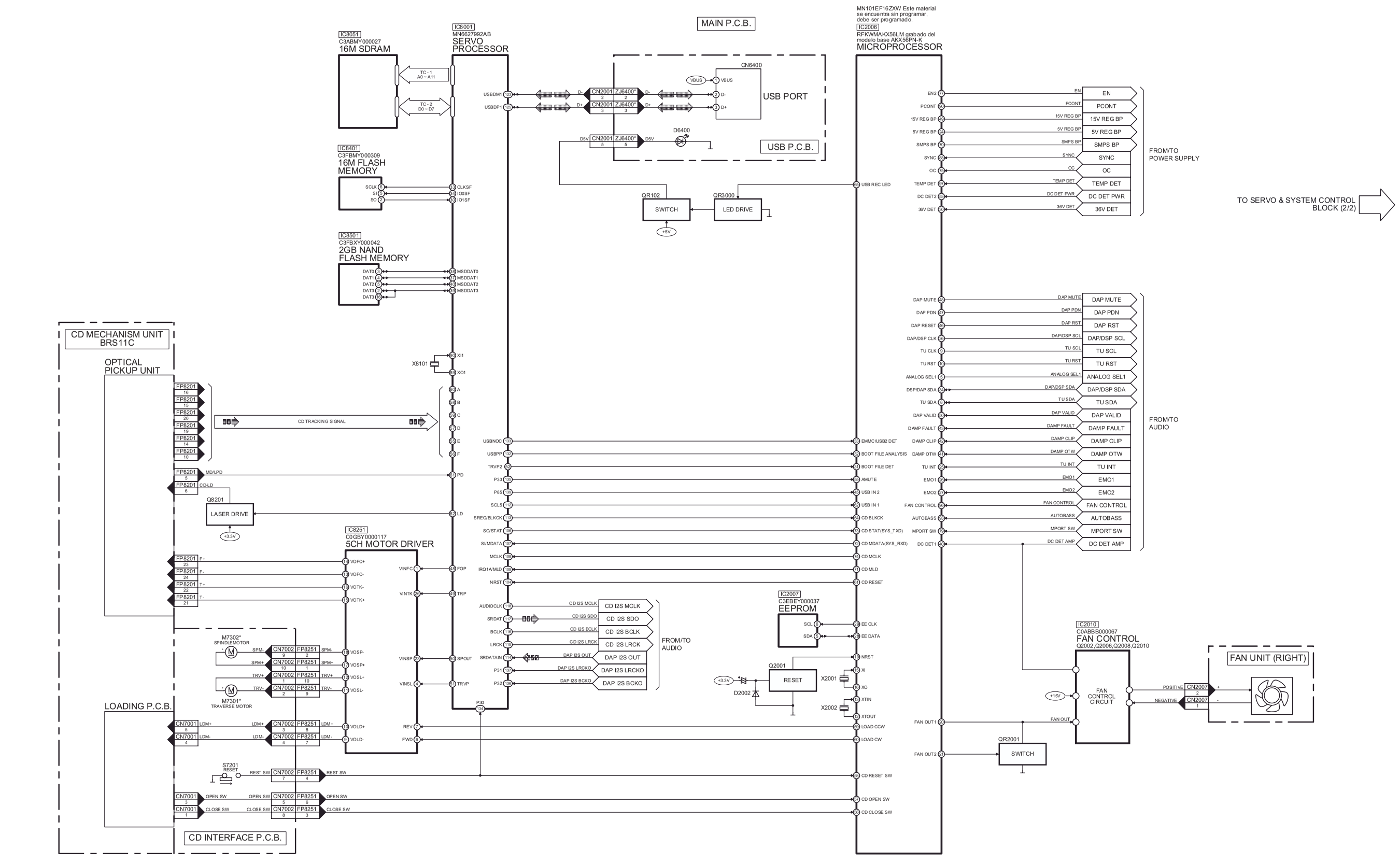
Step 1 Remove Top Cabinet.
Step 2 Remove Front Panel Unit.
Step 3 Remove SMPS P.C.B.
Step 4 Place the Front Panel Unit as diagram shown.
Step 5 Attach 30P FFC to the connector (CN2004) on the Main P.C.B..
Step 6 Place the SMPS P.C.B. on the insulated material.
Step 7 Attach 13P Cable to the connector (CN5802) on the SMPS P.C.B..
Step 8 SMPS P.C.B. can be checked as diagram shown.



12 Block Diagram

12.1. Servo & System Control

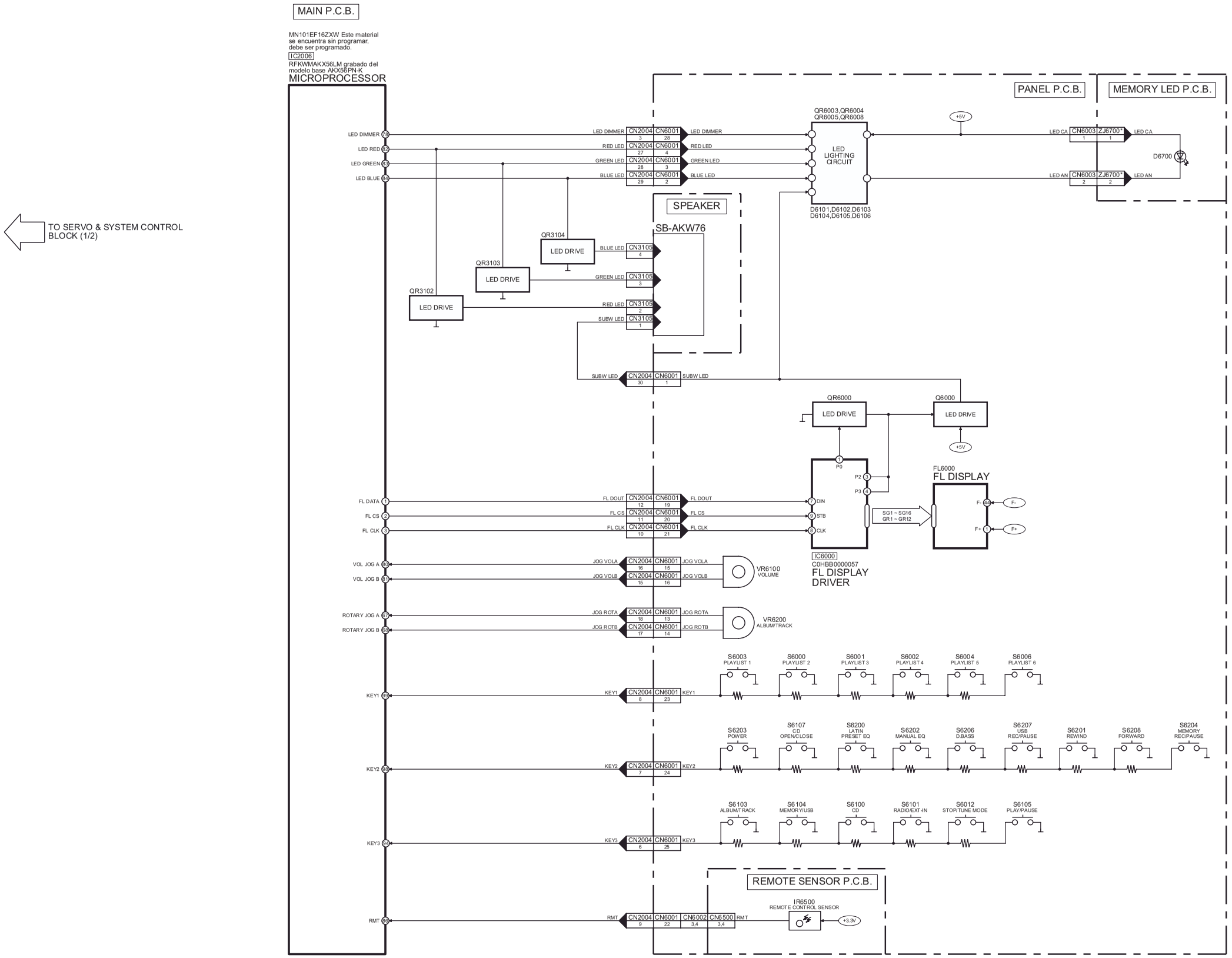
: CD AUDIO INPUT SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE : USB SIGNAL LINE



NOTE: " * " REF IS FOR INDICATION ONLY

SA-AKX76LM-K SERVO & SYSTEM CONTROL (1/2) BLOCK DIAGRAM

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

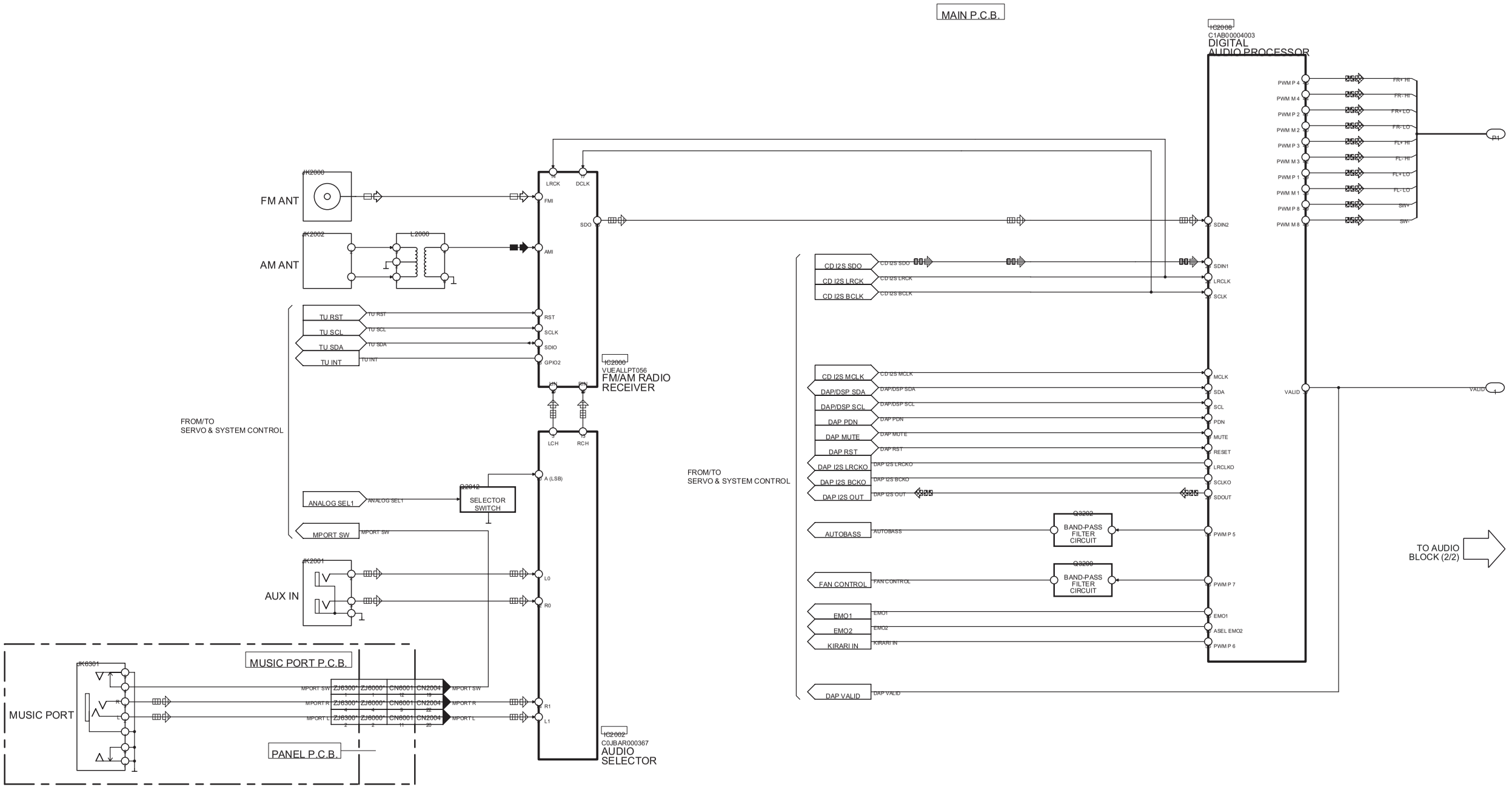


NOTE: “ * ” REF IS FOR INDICATION ONLY

SA-AKX76LM-K SERVO & SYSTEM CONTROL (2/2) BLOCK DIAGRAM

12.2. Audio

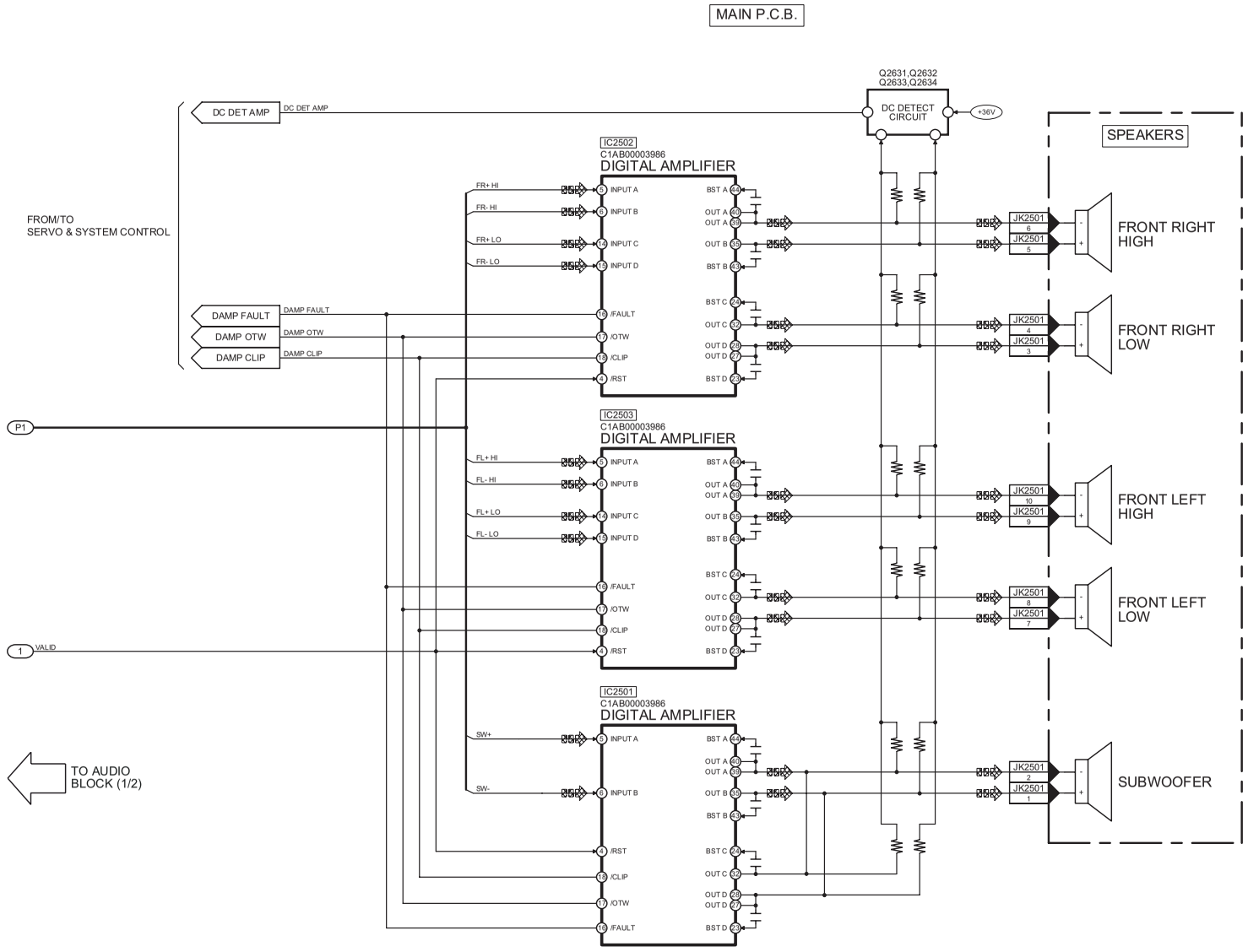
: CD AUDIO INPUT SIGNAL LINE : TUNER/MUSIC PORT/AUX AUDIO INPUT SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE : AM SIGNAL LINE : FM SIGNAL LINE



NOTE: " * " REF IS FOR INDICATION ONLY

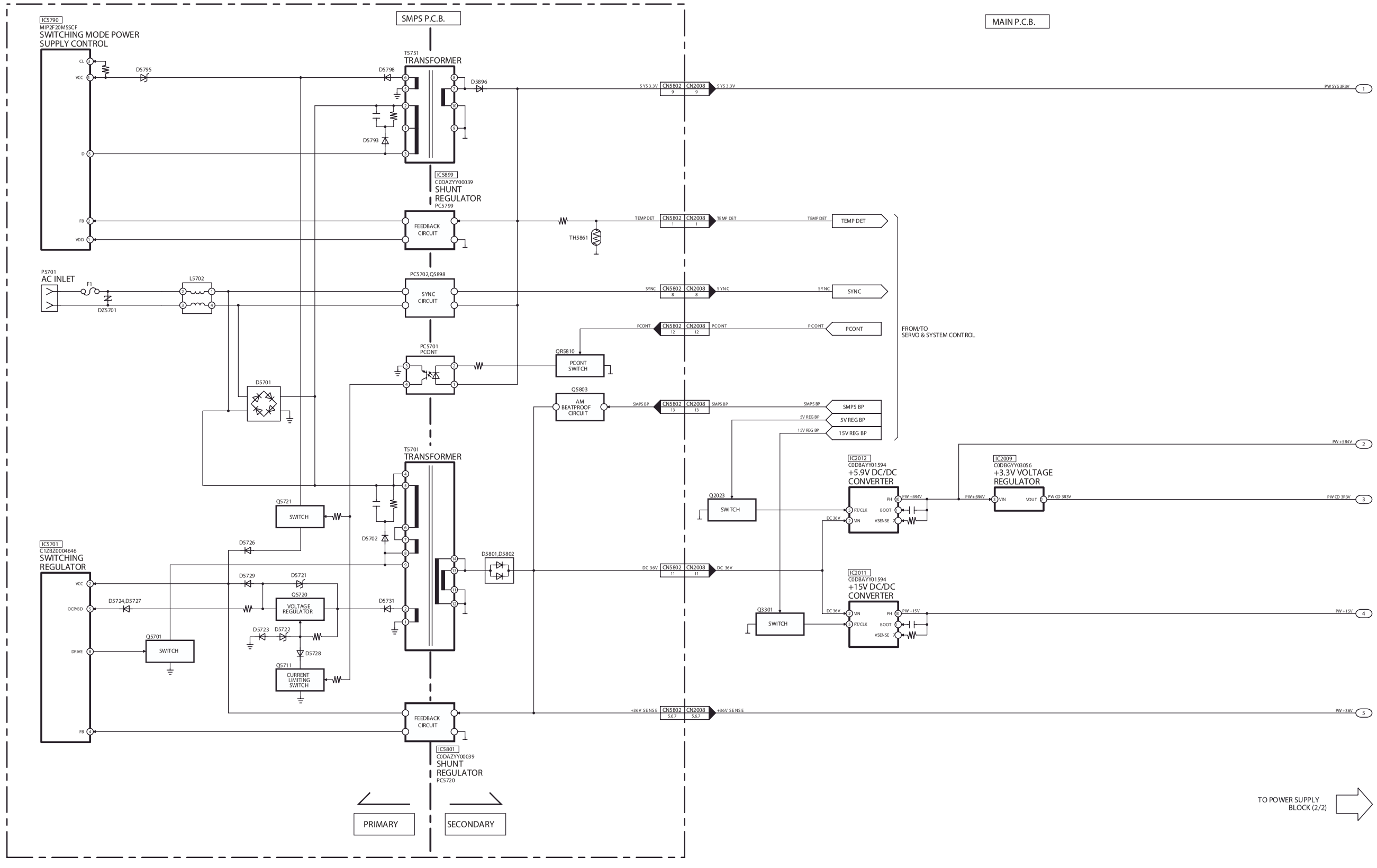
SA-AKX76LM-K AUDIO (1/2) BLOCK DIAGRAM

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



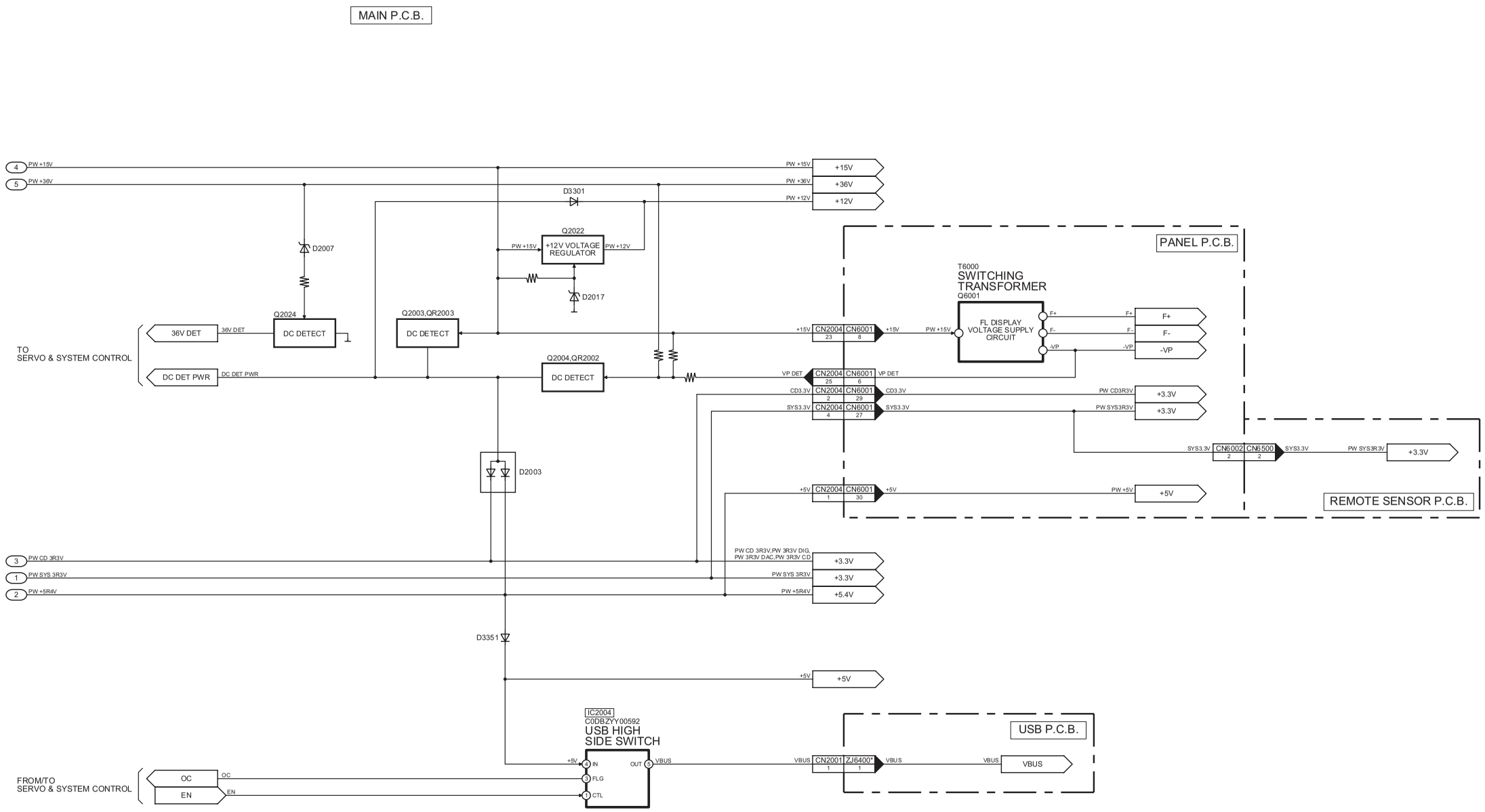
SA-AKX76LM-K AUDIO (2/2) BLOCK DIAGRAM

12.3. Power Supply



NOTE: " * " REF IS FOR INDICATION ONLY

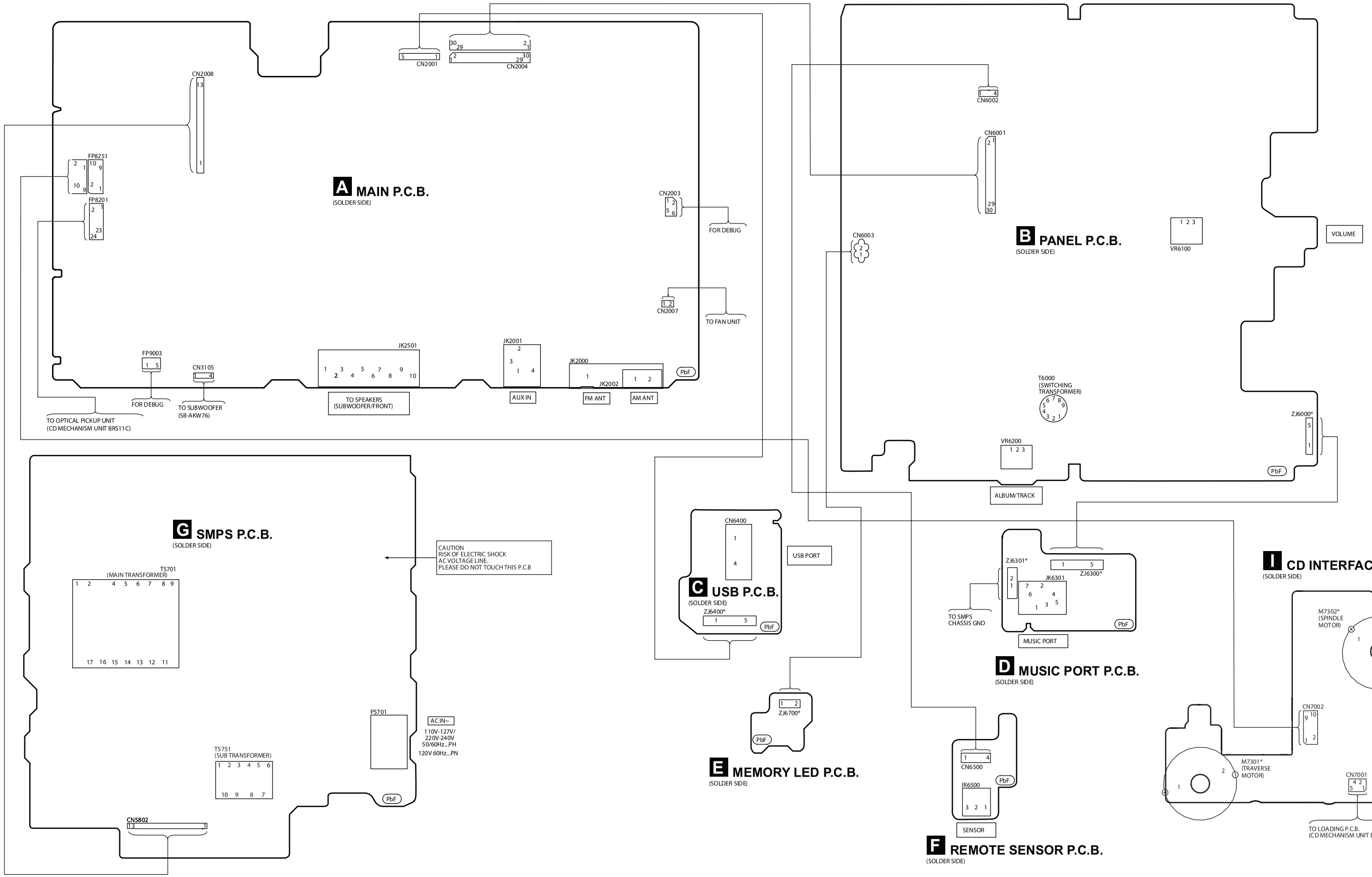
SA-AKX76LM-K POWER SUPPLY (1/2) BLOCK DIAGRAM



NOTE: “ * ” REF IS FOR INDICATION ONLY

SA-AKX76LM-K POWER SUPPLY (2/2) BLOCK DIAGRAM

13 Wiring Connection Diagram



NOTE: " * " REF IS FOR INDICATION ONLY.

SA-AKX76LM-K WIRING CONNECTION DIAGRAM

14 Schematic Diagram

14.1. Schematic Diagram Notes

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

Notes:

S6000: Playlist 2 switch.
S6001: Playlist 3 switch.
S6002: Playlist 4 switch.
S6003: Playlist 1 switch.
S6004: Playlist 5 switch.
S6006: Playlist 6 switch.
S6012: Stop (■) switch.
S6100: CD switch.
S6101: Radio/EXT-IN switch.
S6103: Album/Track switch.
S6104: Memory/USB switch.
S6105: Play/Pause (▶ ❚❚ switch.
S6107: CD Open switch.
S6200: Latin/Preset EQ switch.
S6201: Rewind (|◀◀ / ◀◀) switch.
S6202: Manual EQ switch.
S6203: Power (⏻/| switch.
S6204: Memory Rec switch.
S6206: D.Bass switch.
S6207: USB Rec switch.
S6208: Forward (▶▶ / ▶▶|) switch.
S7201: Reset switch.
VR6100: Volume Jog.
VR6200: Control 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 (PN), C5705 (PN), C5706, C5707, 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.

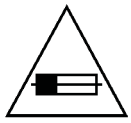
- **Coil**
  Unit of inductance is H, unless otherwise noted.

- *****
  REF IS FOR INDICATION ONLY.

- Voltage and signal line

  : +B signal line
  : -B signal line
  : CD Audio input signal line
  : Tuner/Music Port/AUX 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

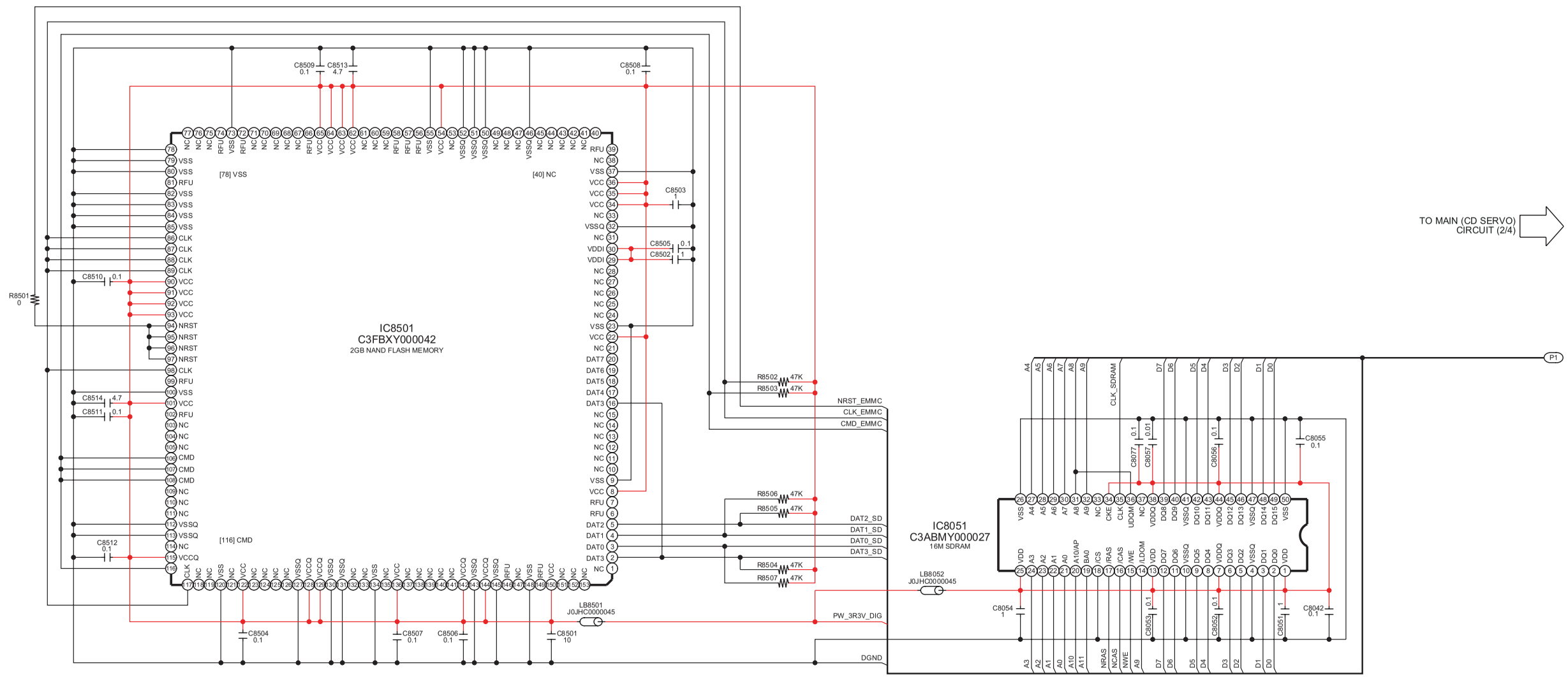
These symbols located near the fuse indicates that the fuse used is a fast operating type. For continued protection againts fire harzard, replace with the same type fuse. fro rating, refer to the marking adjacent to the symbol.

14.2. MAIN (CD Servo/Micon/Damp) Circuit

SCHEMATIC DIAGRAM - 1

A MAIN (CD SERVO) CIRCUIT

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



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

SA-AKX76LM-K MAIN (CD SERVO) CIRCUIT

SCHEMATIC DIAGRAM - 2

A MAIN (CD SERVO) CIRCUIT

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

TO MAIN (CD SERVO) CIRCUIT (1/4)

R8014 33 NCSSF
R8013 33 IO1SF
R8012 J0JHC0000045 IO2SF
DGND
C8401 10
C8403 0.01
IC8401
C3FBMY000309
16M FLASH MEMORY
CE# SO WP# VSS
VDD HOLD# SCLK SI
R8015 33 IO0SF
R8016 J0JHC0000045 CLKSF
R8017 J0JHC0000045 IO3SF
LB8401 J0JHC0000045 PW_3R3V_DIG

FOR DEBUG

FP9003
VSS 1
NRST 2
STBY3.3V 3
SDATA 4
SCLK 5
NRST
SDATA
SCLK

FP8201
F- 24
F+ 23
T+ 22
T- 21
C 20
D 19
CD/DVD SW 18
RF 17
A 16
B 15
F 14
PD GND 13
VREF 12
VCC(5V) 11
E 10
NC 9
GND 8
NC 7
CD-LD 6
MD/LPD 5
NC 4
NC 3
DVD-LD 2
GND-LD 1
F-
F+
T+
T-
C
D
LB8204 J0JBC0000134
VREF
A
B
F
K8207 0
E
C8204 10
C8203 0.01
TP64
R8215 5.6
TP63
PD
Q8201
B1ADCF000001
LASER DRIVE
LD
R8212 4.7
C8259 10
PW_3R3V_CD
C8202 0.1
D8250 DZ2J056M0L
C8260 0.01
C8201 10
PD_GND
LB8202 G1C100KA0101
D8251 DA2J10100L
PW_+5R4V

TO OPTICAL PICKUP UNIT (CD MECHANISM UNIT BRS11C)

P1

TO MAIN (CD SERVO) CIRCUIT (4/4)

P1

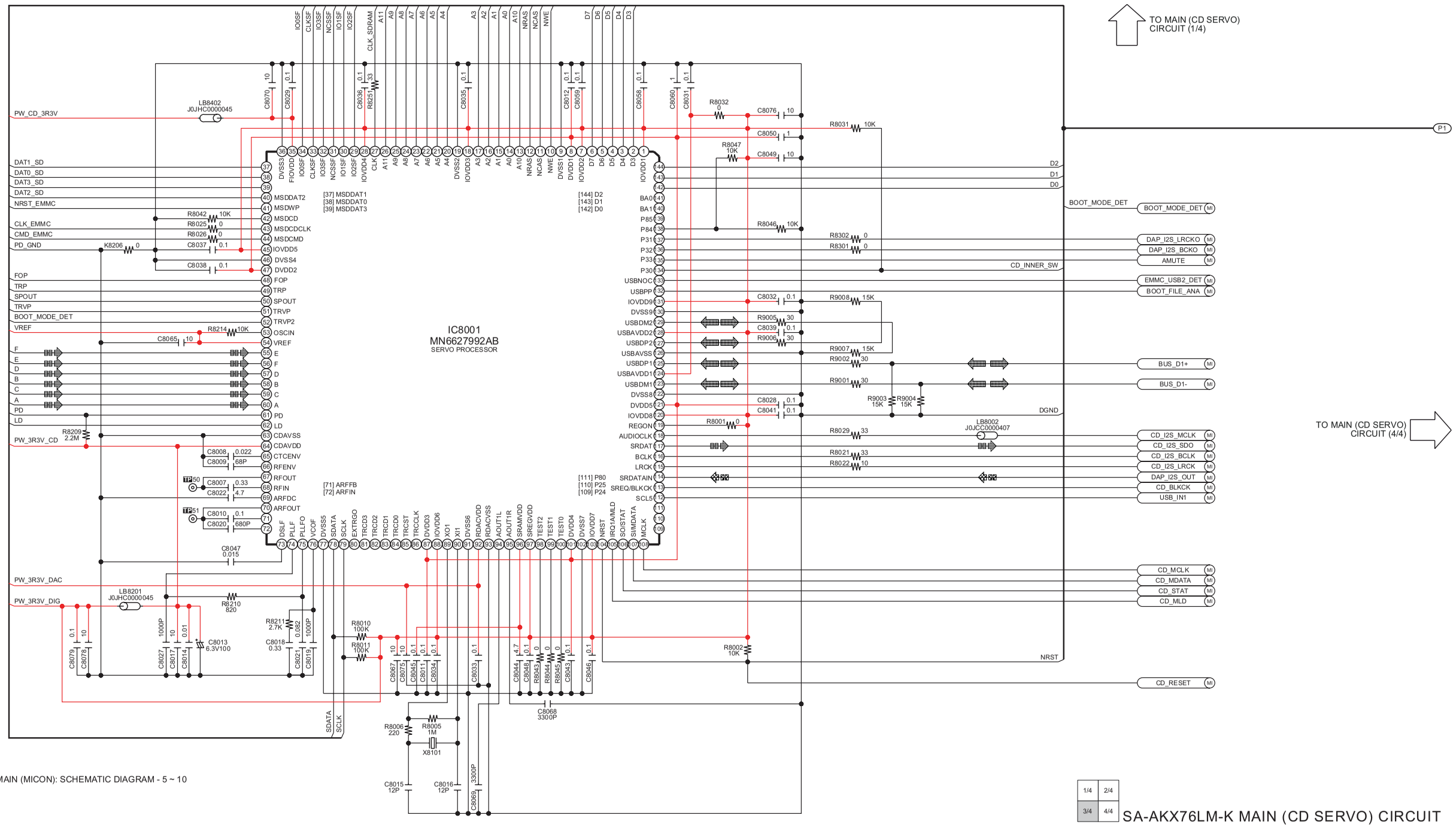
1/4	2/4
3/4	4/4

SA-AKX76LM-K MAIN (CD SERVO) CIRCUIT

SCHEMATIC DIAGRAM - 3

A MAIN (CD SERVO) CIRCUIT

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



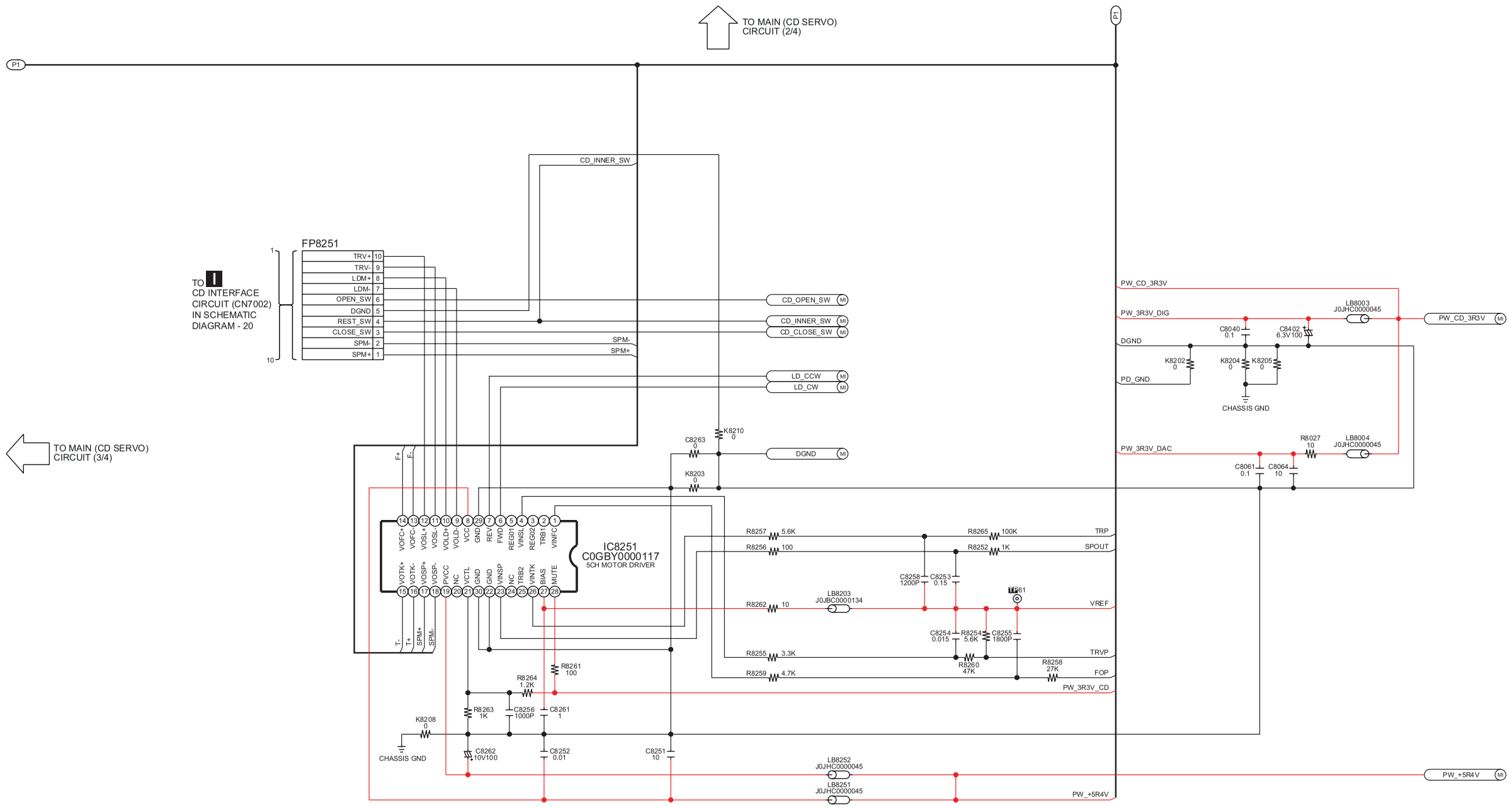
1/4	2/4
3/4	4/4

SA-AKX76LM-K MAIN (CD SERVO) CIRCUIT

SCHEMATIC DIAGRAM - 4

A MAIN (CD SERVO) CIRCUIT

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



TO MAIN (CD SERVO) CIRCUIT (3/4)

MI: MAIN (MICON): SCHEMATIC DIAGRAM - 5 ~ 10

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

SA-AKX76LM-K MAIN (CD SERVO) CIRCUIT

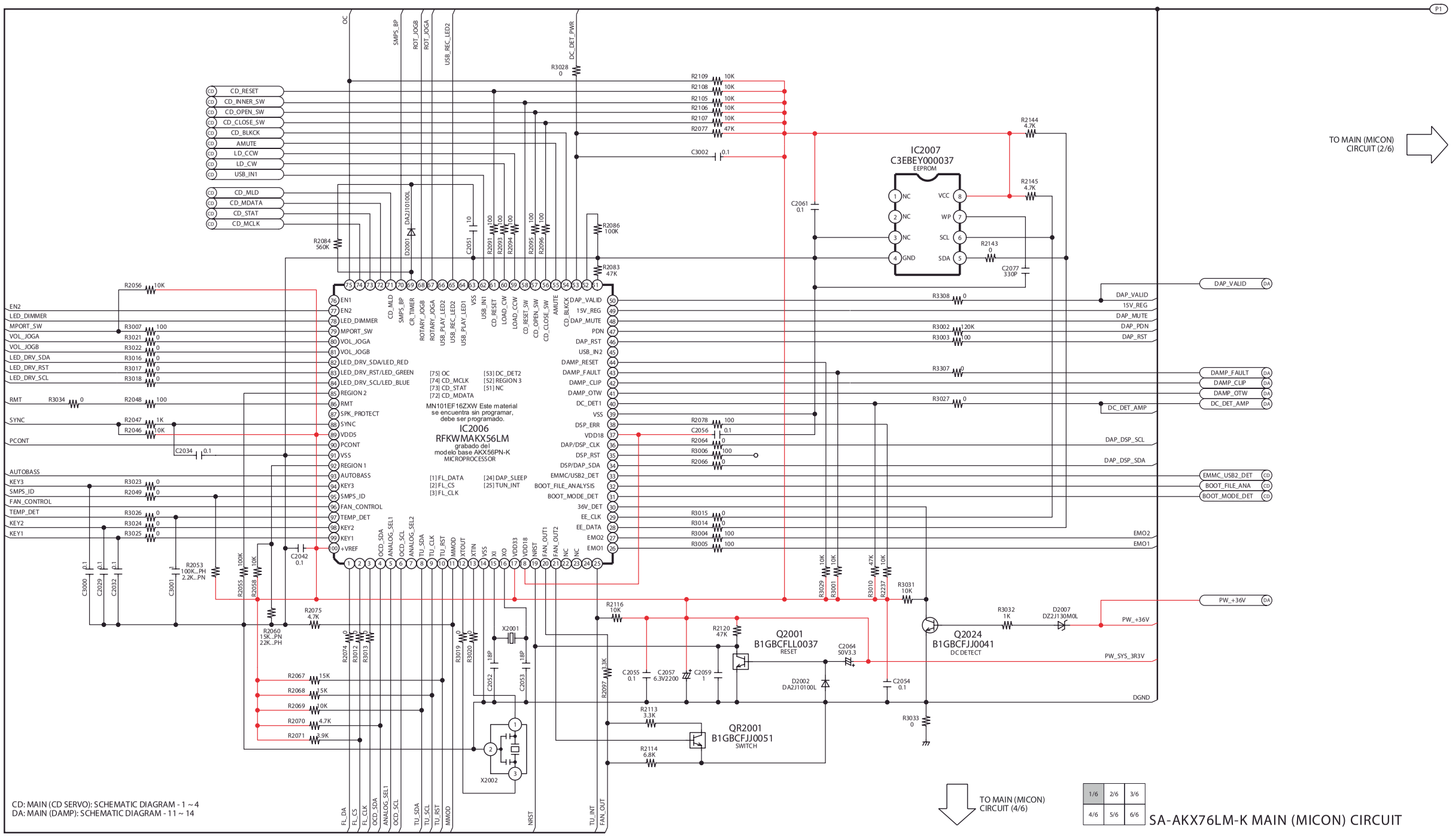
I J K L M N O P

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

SCHEMATIC DIAGRAM - 5

A MAIN (MICON) CIRCUIT

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



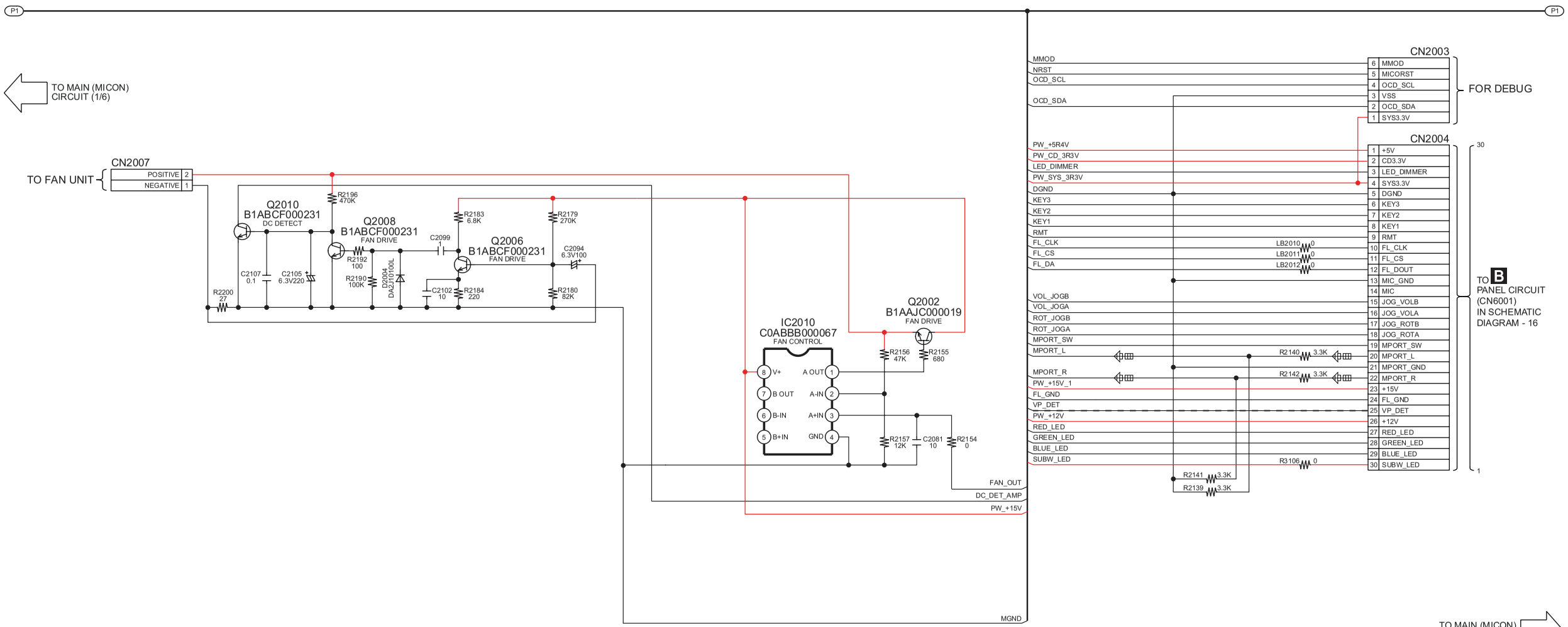
1/6	2/6	3/6			
4/6	5/6	6/6			

SA-AKX76LM-K MAIN (MICON) CIRCUIT

SCHEMATIC DIAGRAM - 6

A MAIN (MICON) CIRCUIT

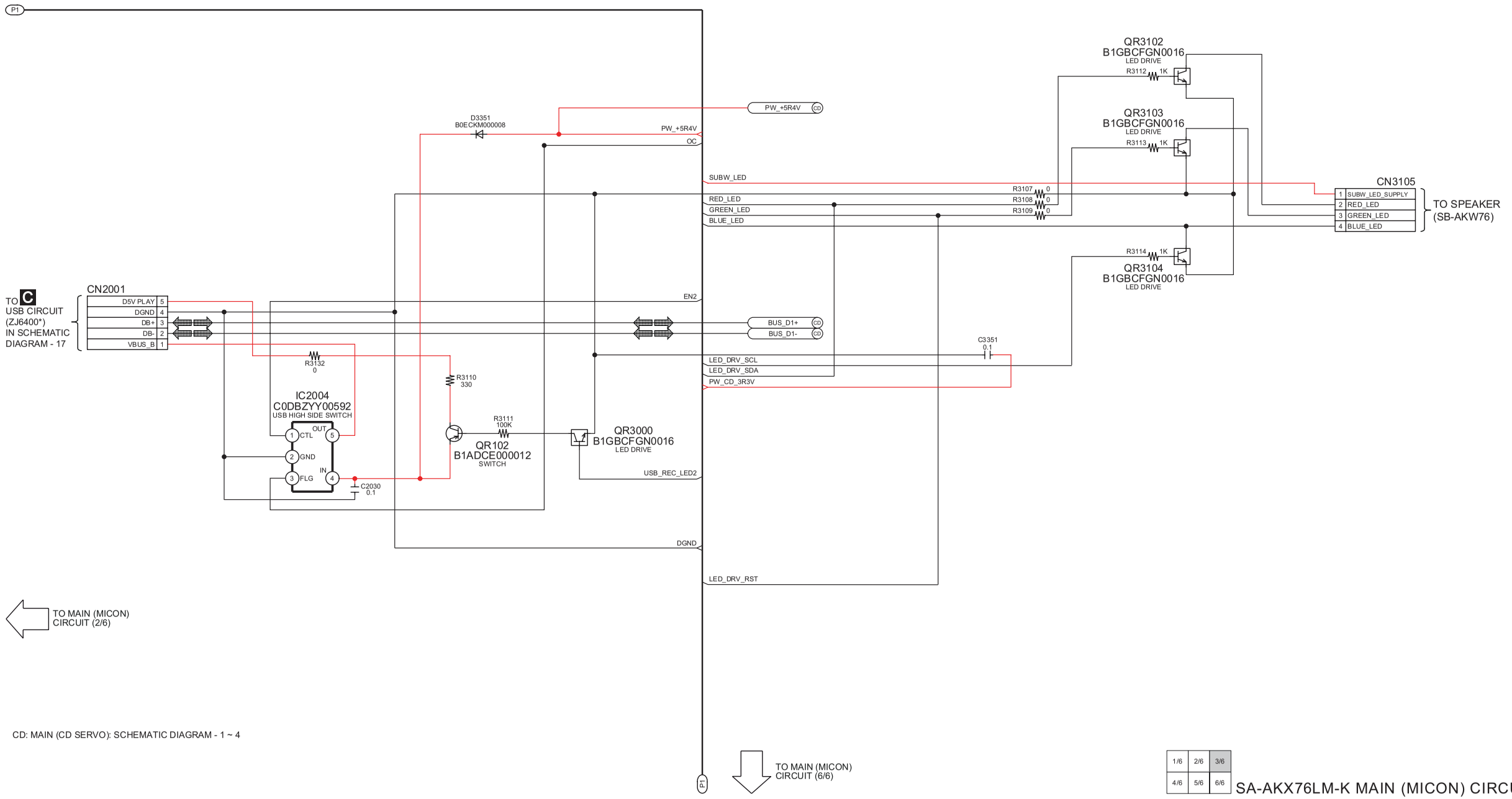
: +B SIGNAL LINE
: -B SIGNAL LINE
: CD AUDIO INPUT SIGNAL LINE
: TUNER/MUSIC PORT/AUX AUDIO INPUT SIGNAL LINE
: AUDIO OUTPUT SIGNAL LINE
: AM SIGNAL LINE
: FM SIGNAL LINE
: USB SIGNAL LINE



SCHEMATIC DIAGRAM - 7

A MAIN (MICON) CIRCUIT

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



CD: MAIN (CD SERVO): SCHEMATIC DIAGRAM - 1 ~ 4

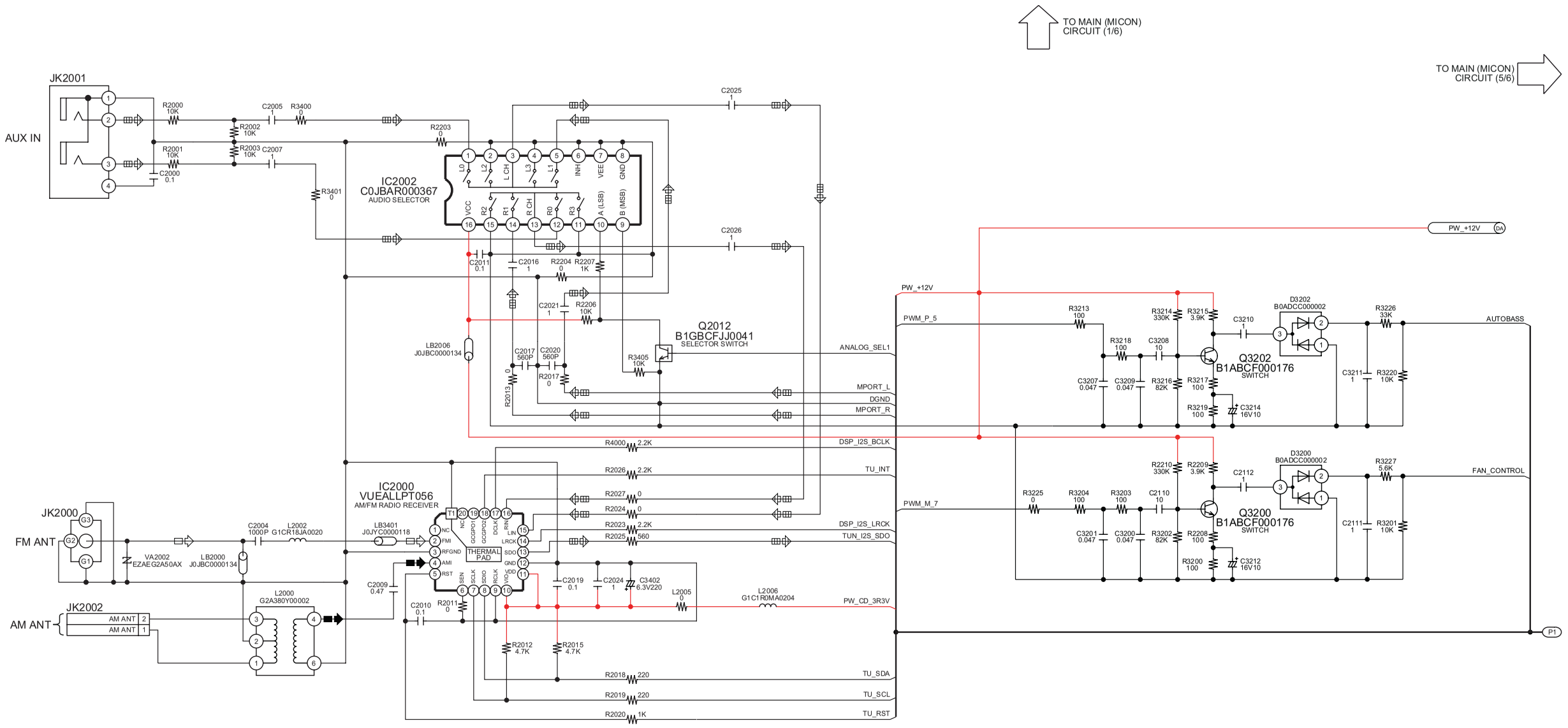
1/6	2/6	3/6
4/6	5/6	6/6

SA-AKX76LM-K MAIN (MICON) CIRCUIT

SCHEMATIC DIAGRAM - 8

A MAIN (MICON) CIRCUIT

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



DA: MAIN (DAMP): SCHEMATIC DIAGRAM - 11 ~ 14

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

SA-AKX76LM-K MAIN (MICON) CIRCUIT

SCHEMATIC DIAGRAM - 9

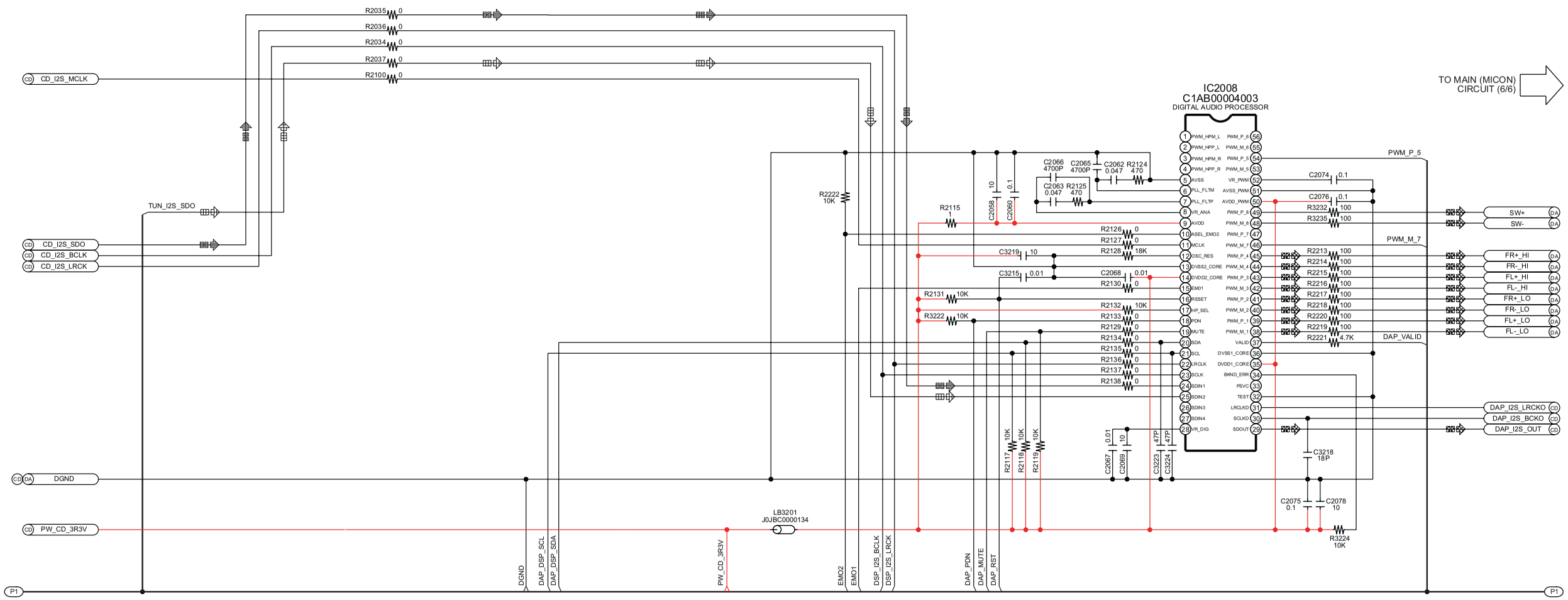
A MAIN (MICON) CIRCUIT

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

TO MAIN (MICON) CIRCUIT (2/6)

TO MAIN (MICON) CIRCUIT (4/6)

TO MAIN (MICON) CIRCUIT (6/6)



CD: MAIN (CD SERVO): SCHEMATIC DIAGRAM - 1 ~ 4
DA: MAIN (DAMP): SCHEMATIC DIAGRAM - 11 ~ 14

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

SA-AKX76LM-K MAIN (MICON) CIRCUIT

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

SCHEMATIC DIAGRAM - 10

A MAIN (MICON) CIRCUIT

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

TO MAIN (MICON) CIRCUIT (3/6)

TO MAIN (MICON) CIRCUIT (5/6)

MGND
PW_+15V
VP_DET
PW_+12V
P1
DC_DET_PWR
PW_+15V_1
PW_CD_3R3V
DGND

D2003 B0ADDJ000032
D3301 B0ADDJ000032
QR2002 B1GBCFJJ0051 DC DETECT
Q2004 B1GBCFJJ0051 DC DETECT
R3302 22K
R2161 12K
R2162 15K
C2085 6.3V1000

Q2022 B1BACG000023 +12V VOLTAGE REGULATOR
C2191 0.01
R2278 820
R2279 100
C2187 0.01
C2188 16V220
D2017 DZ2J130M0L
C2096 25V33
R3312 10K
L3300 G1C470MA0291
R3310 82K
R3311 100K
C3309 0.1
C3305 10
D3303 B0JCPG000030

IC2011 C0DBAYY01594 +1.5V DC/DC CONVERTER
C2098 0.1
10 PH
9 GND
8 COMP
7 VSENSE
6 PWGND
THERMAL PAD
T1
BOOT 1
VIN 2
EN 3
SS/TR 4
RT/CLK 5
R3313 6.8K
C3302 5600P
C2109 4.7
C3303 0.01
R3314 180K
R3357 1.8M

Q3301 B1GBCFJJ0041 +15V VOLTAGE REGULATOR

R2150 0
R2199 0
R2205 0
ZJ2000
R2175...PN 0
R2177...PH 0
R2165...AKX76 0

FL_GND
SMPS_BP
PCONT
SMPS_ID
PW_SYS_3R3V
SYNC
PW_+36V
15V_REG R3356 1K
TEMP_DET

CN2008

13	SMPS_BP
12	PCONT
11	DC_36V
10	SMPS_ID
9	SYS3.3V
8	SYNC
7	+36V_SENSE
6	+36V_SENSE
5	+36V_SENSE
4	POWER_GND
3	POWER_GND
2	POWER_GND
1	TEMP_DET

TO G SMPS CIRCUIT (CN5802) IN SCHEMATIC DIAGRAM - 18

C3308 0.1
R3351 0

C2082 0.1
R2158 2.2
R2159 2.2
R2160 2.2
R2163 270
Q2003 B1ADCE000012 DC DETECT
QR2003 B1GBCFJJ0051 DC DETECT

IC2009 C0DBGYY03056 +3.3V VOLTAGE REGULATOR
GND VOUT VIN
C3307 6.3V1000
C2080 10
C2084 10
C2086 0.1
C2087 10V220

L2007 G1C330MA0291
R2168 3.9K
R2169 56K
R2170 10K
C2089 100
C2090 10
DZ2000 B0JCPG000030

C2097 0.1
IC2012 C0DBAYY01594 +5.9V DC/DC CONVERTER
10 PH
9 GND
8 COMP
7 VSENSE
6 PWGND
THERMAL PAD
T1
BOOT 1
VIN 2
EN 3
SS/TR 4
RT/CLK 5
R2178 10K
C2092 4700P
C2103 0.01
R3355 1.8M
R2188 270K
Q2023 B1GBCFJJ0041 SWITCH
R3354 1K
C2104 4.7
C3310 0.1
C3300 50V1000

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

SA-AKX76LM-K MAIN (MICON) CIRCUIT

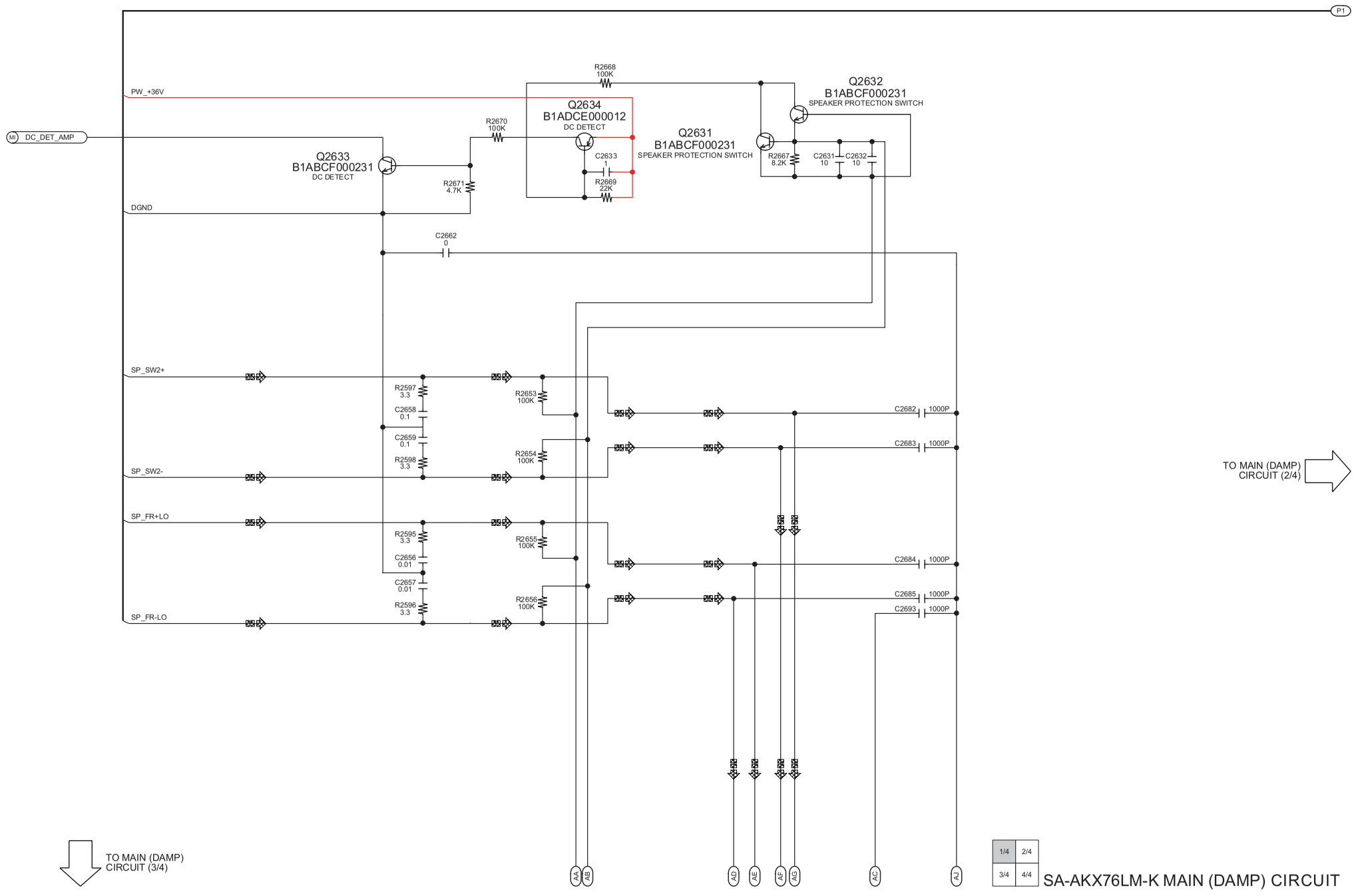
I J K L M N O P

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

SCHEMATIC DIAGRAM - 11

A MAIN (DAMP) CIRCUIT

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



MI: MAIN (MICON): SCHEMATIC DIAGRAM - 5 ~ 10

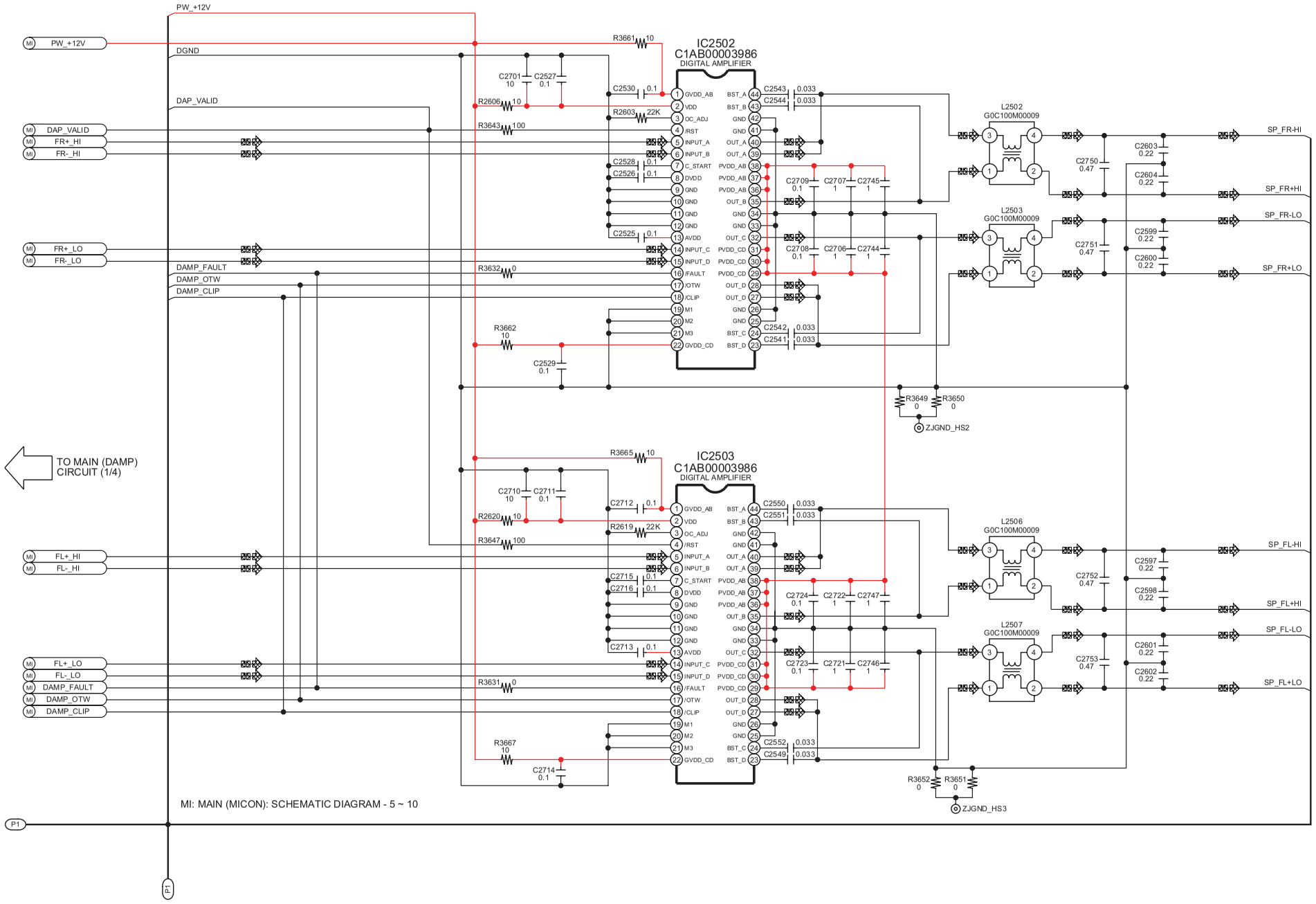
1/4	2/4
3/4	4/4

SA-AKX76LM-K MAIN (DAMP) CIRCUIT

SCHEMATIC DIAGRAM - 12

A MAIN (DAMP) CIRCUIT

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



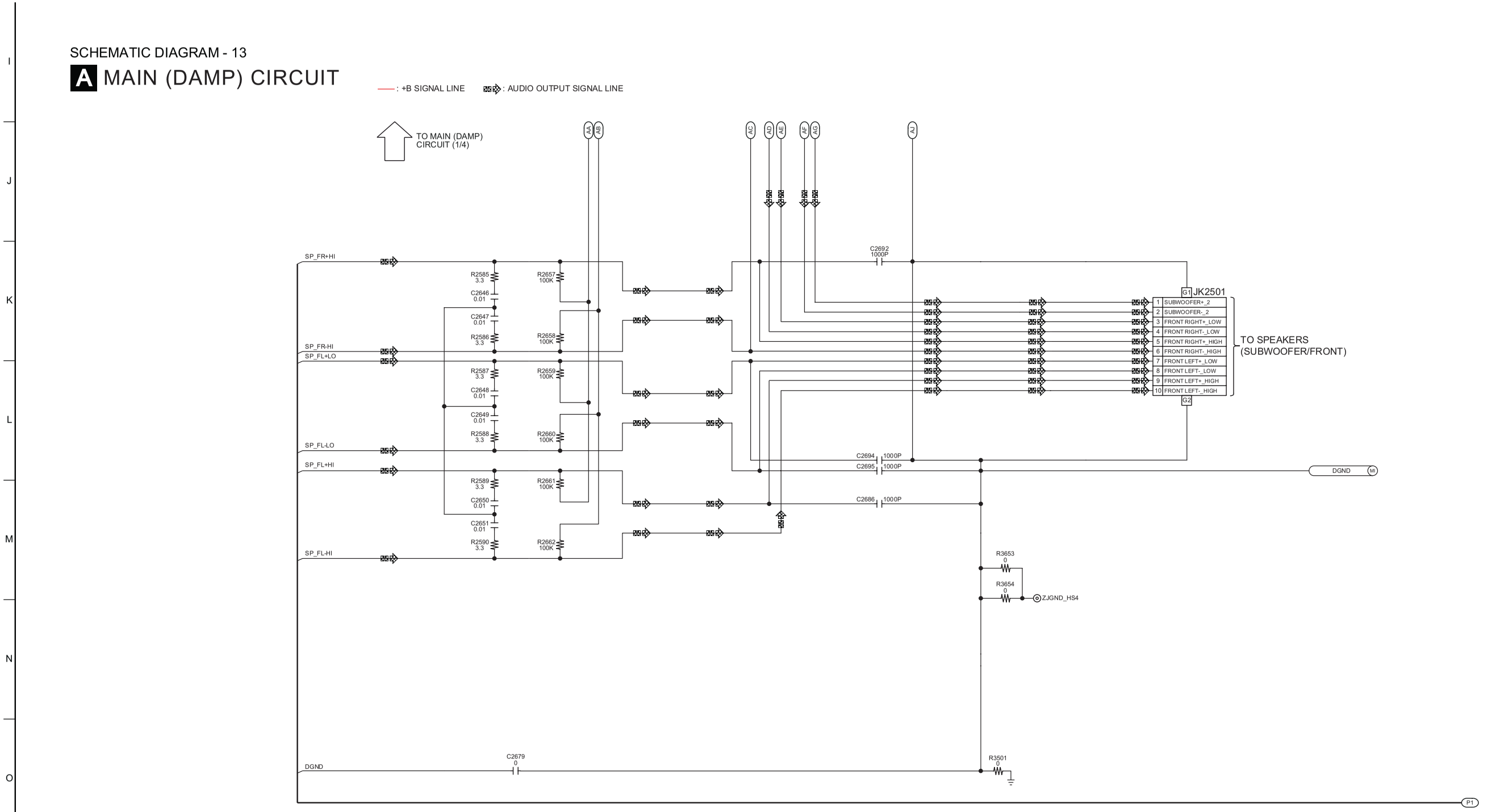
1/4	2/4
3/4	4/4

SA-AKX76LM-K MAIN (DAMP) CIRCUIT

SCHEMATIC DIAGRAM - 13

A MAIN (DAMP) CIRCUIT

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



MI: MAIN (MICON): SCHEMATIC DIAGRAM - 5 ~ 10

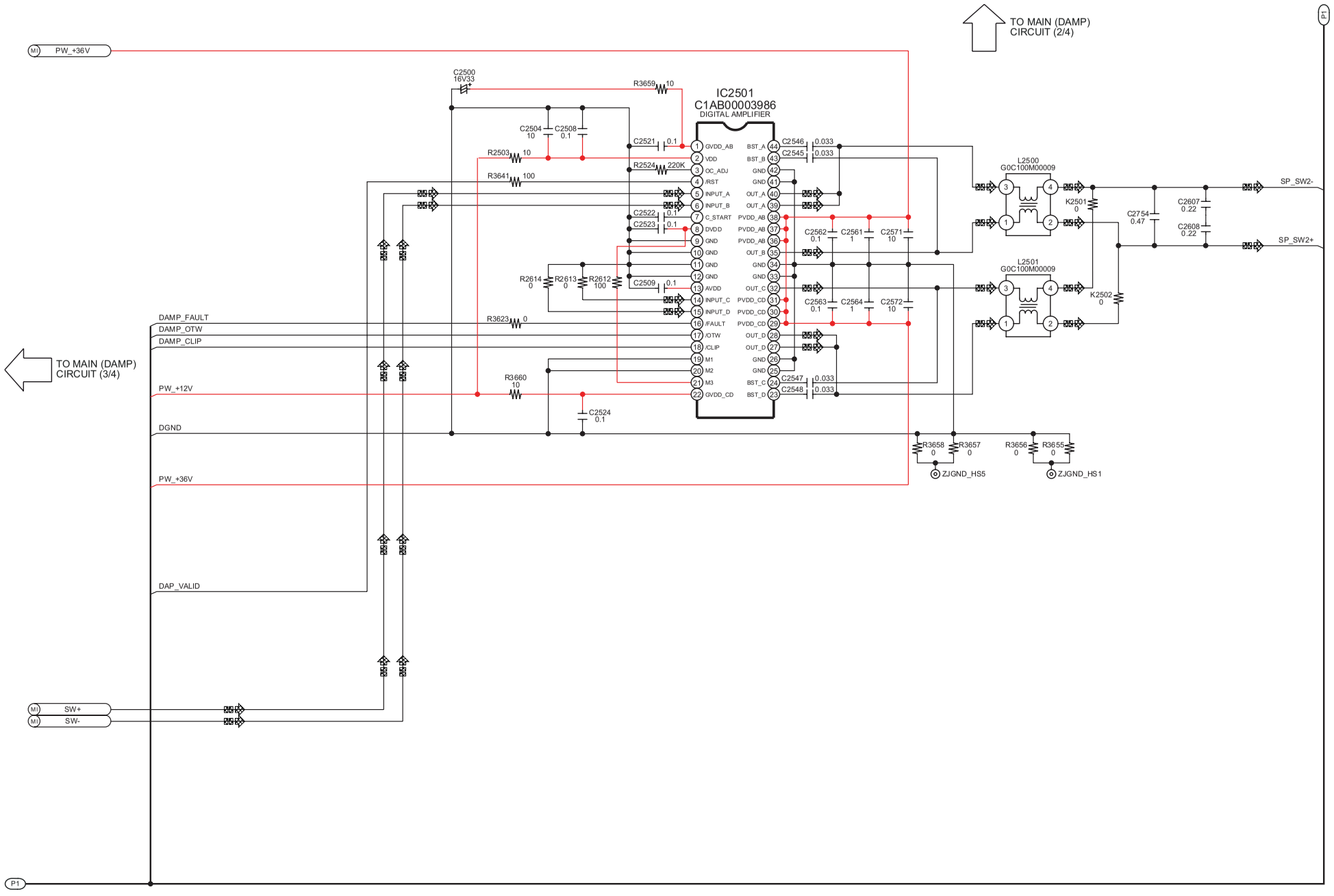
1/4	2/4
3/4	4/4

SA-AKX76LM-K MAIN (DAMP) CIRCUIT

SCHEMATIC DIAGRAM - 14

A MAIN (DAMP) CIRCUIT

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



MI: MAIN (MICON): SCHEMATIC DIAGRAM - 5 ~ 10

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

SA-AKX76LM-K MAIN (DAMP) CIRCUIT

14.3. Panel Circuit

SCHEMATIC DIAGRAM - 15

B PANEL CIRCUIT

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

FL6000
A2BB00000184
FL DISPLAY

IC6000
C0HBB0000057
FL DISPLAY DRIVER

T6000
G4DYA0000214
SWITCHING TRANSFORMER

Q6001
B1ABMG000008
POWER SAVE CONTROL

CN6002

TO F REMOTE SENSOR CIRCUIT (CN6500) IN SCHEMATIC DIAGRAM - 17

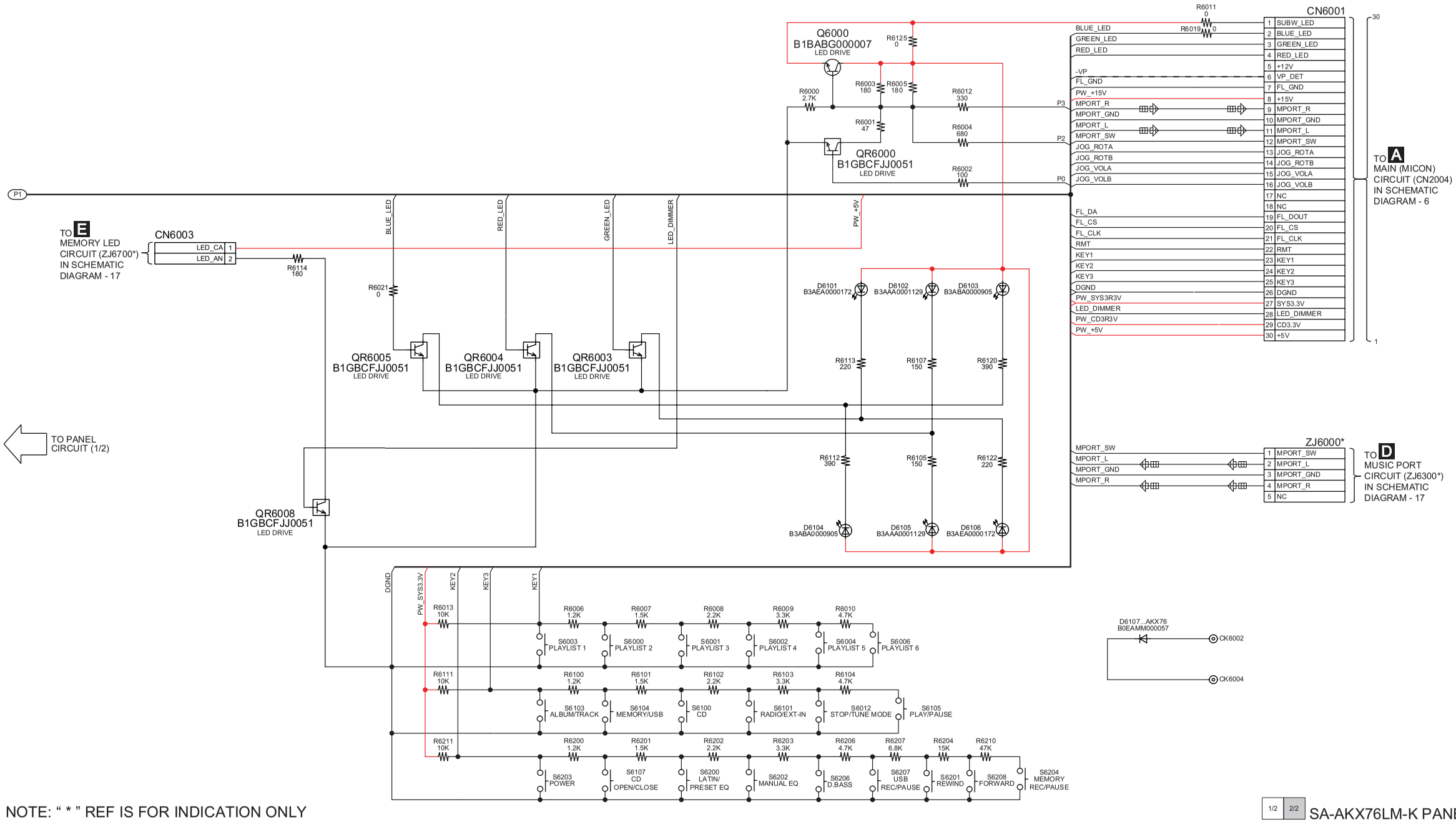
TO PANEL CIRCUIT (2/2)

1/2 2/2 SA-AKX76LM-K PANEL CIRCUIT

SCHEMATIC DIAGRAM - 16

B PANEL CIRCUIT

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



NOTE: " * " REF IS FOR INDICATION ONLY

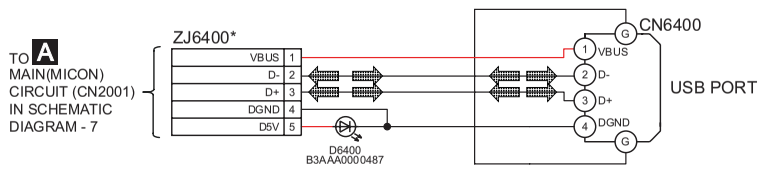
1/2 2/2 SA-AKX76LM-K PANEL CIRCUIT

14.4. USB, Music Port, Memory LED & Remote Sensor Circuit

SCHEMATIC DIAGRAM - 17

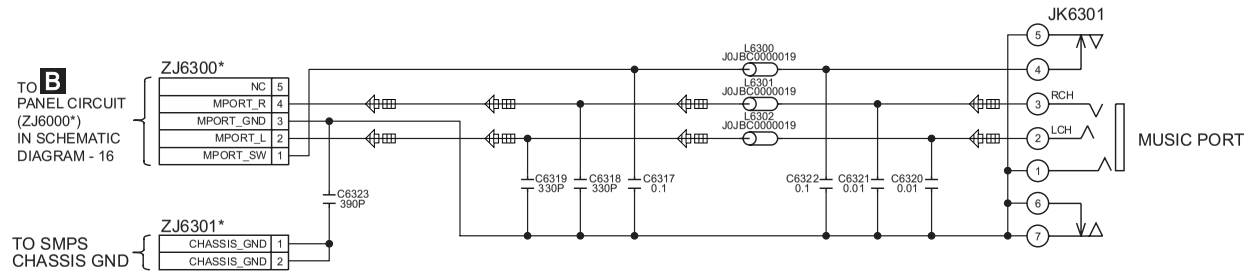
C USB CIRCUIT

—— : +B SIGNAL LINE ⇨ : USB SIGNAL LINE



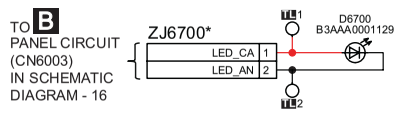
D MUSIC PORT CIRCUIT

⇨ : MUSIC PORT AUDIO INPUT SIGNAL LINE



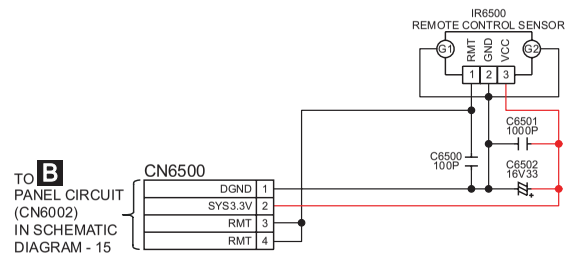
E MEMORY LED CIRCUIT

—— : +B SIGNAL LINE



F REMOTE SENSOR CIRCUIT

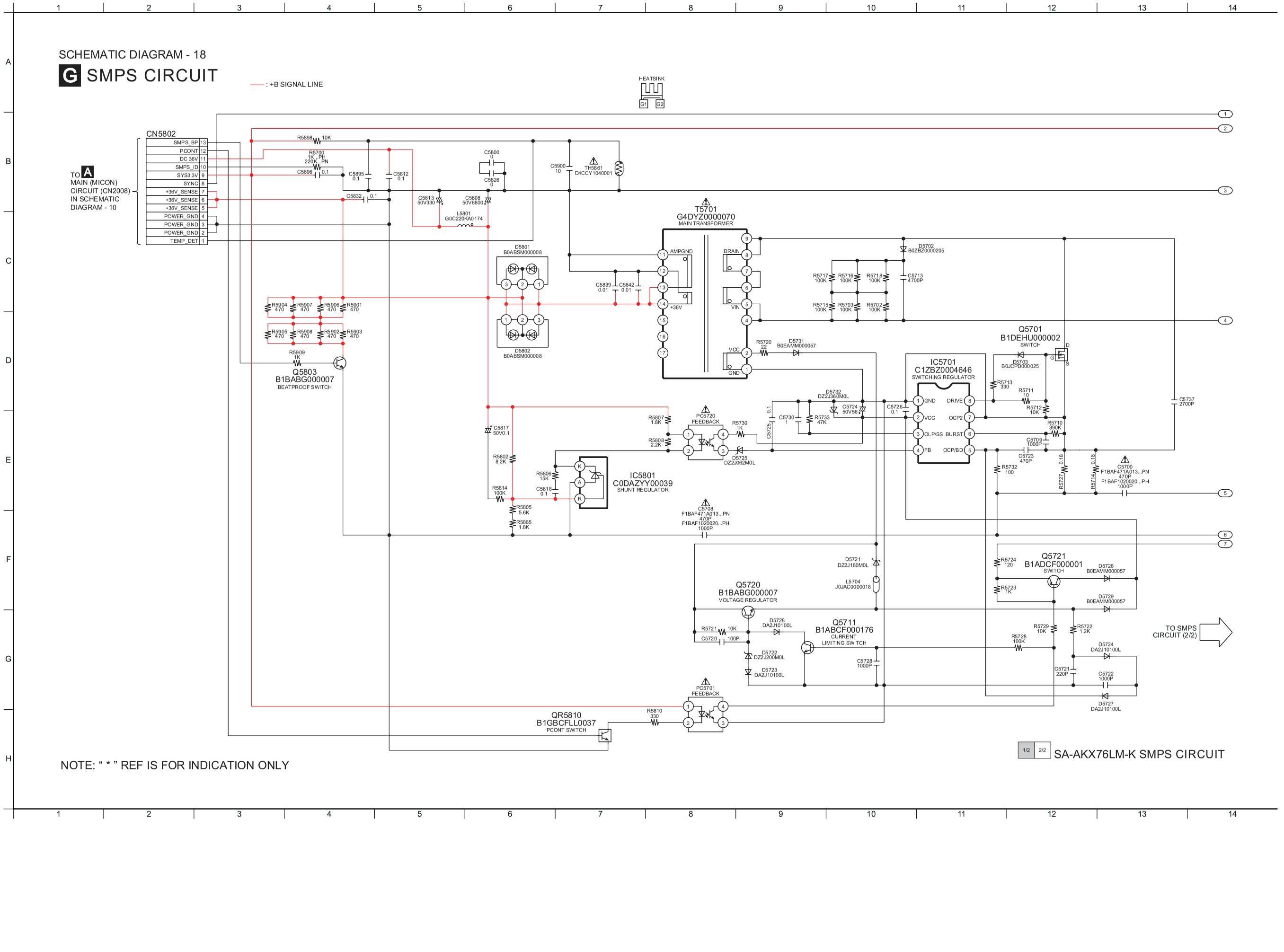
—— : +B SIGNAL LINE



NOTE: " * " REF IS FOR INDICATION ONLY

SA-AKX76LM-K USB / MUSIC PORT / MEMORY LED / REMOTE SENSOR CIRCUIT

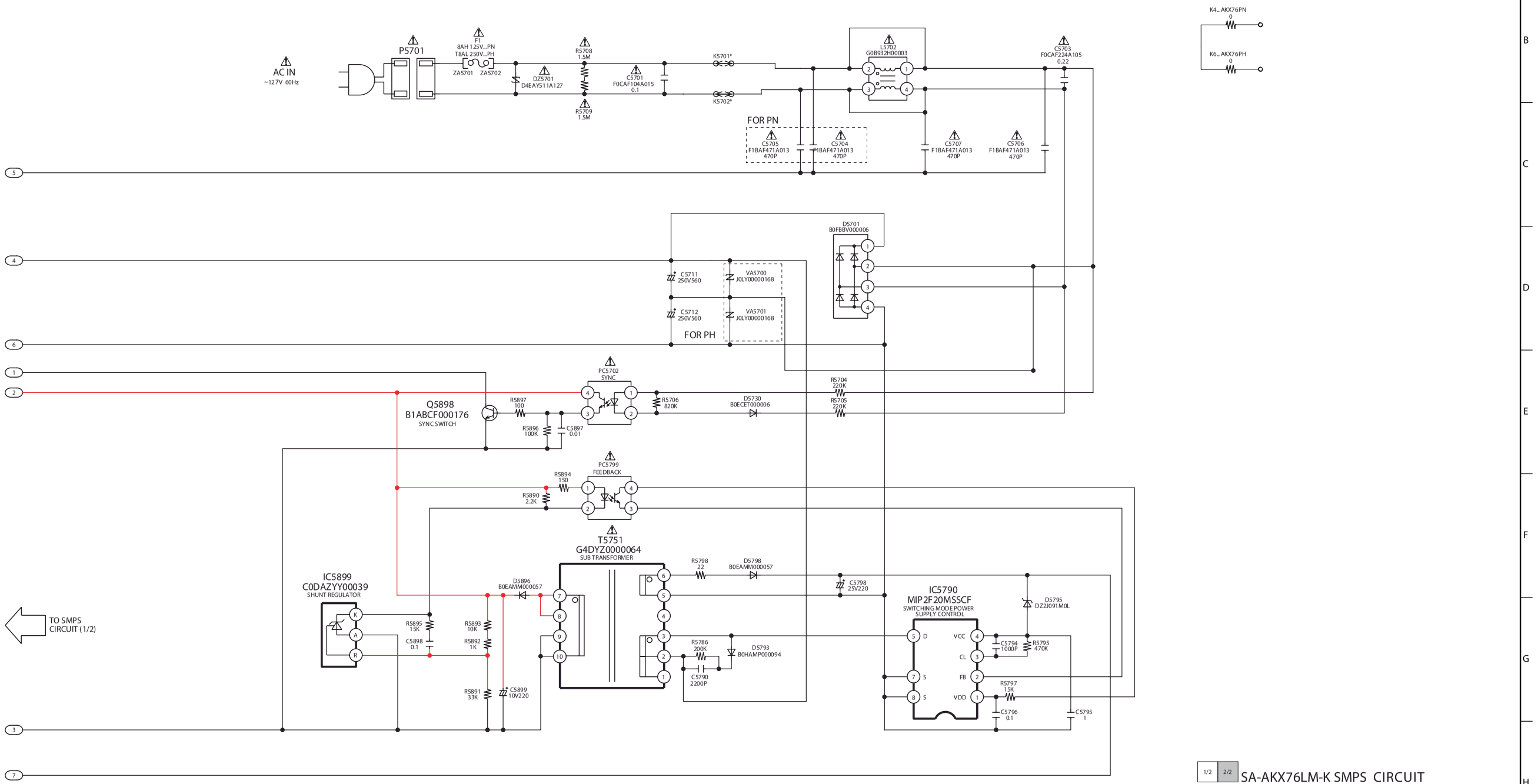
14.5. SMPS Circuit



SCHEMATIC DIAGRAM - 19

G SMPS CIRCUIT

—— : +B SIGNAL LINE

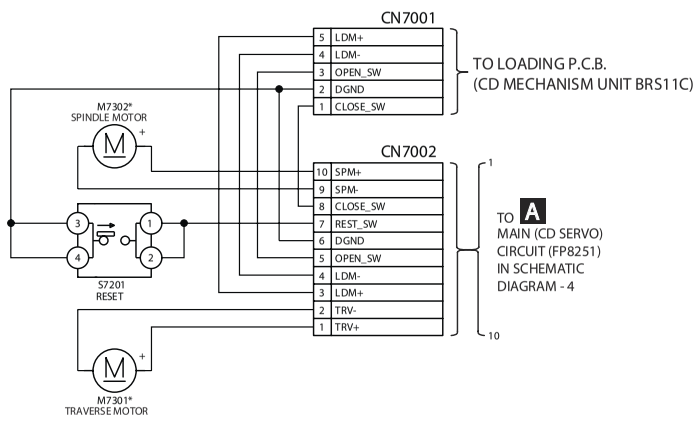


1/2 2/2 SA-AKX76LM-K SMPS CIRCUIT

NOTE: " * " REF IS FOR INDICATION ONLY

14.6. CD Interface Circuit

I CD INTERFACE CIRCUIT



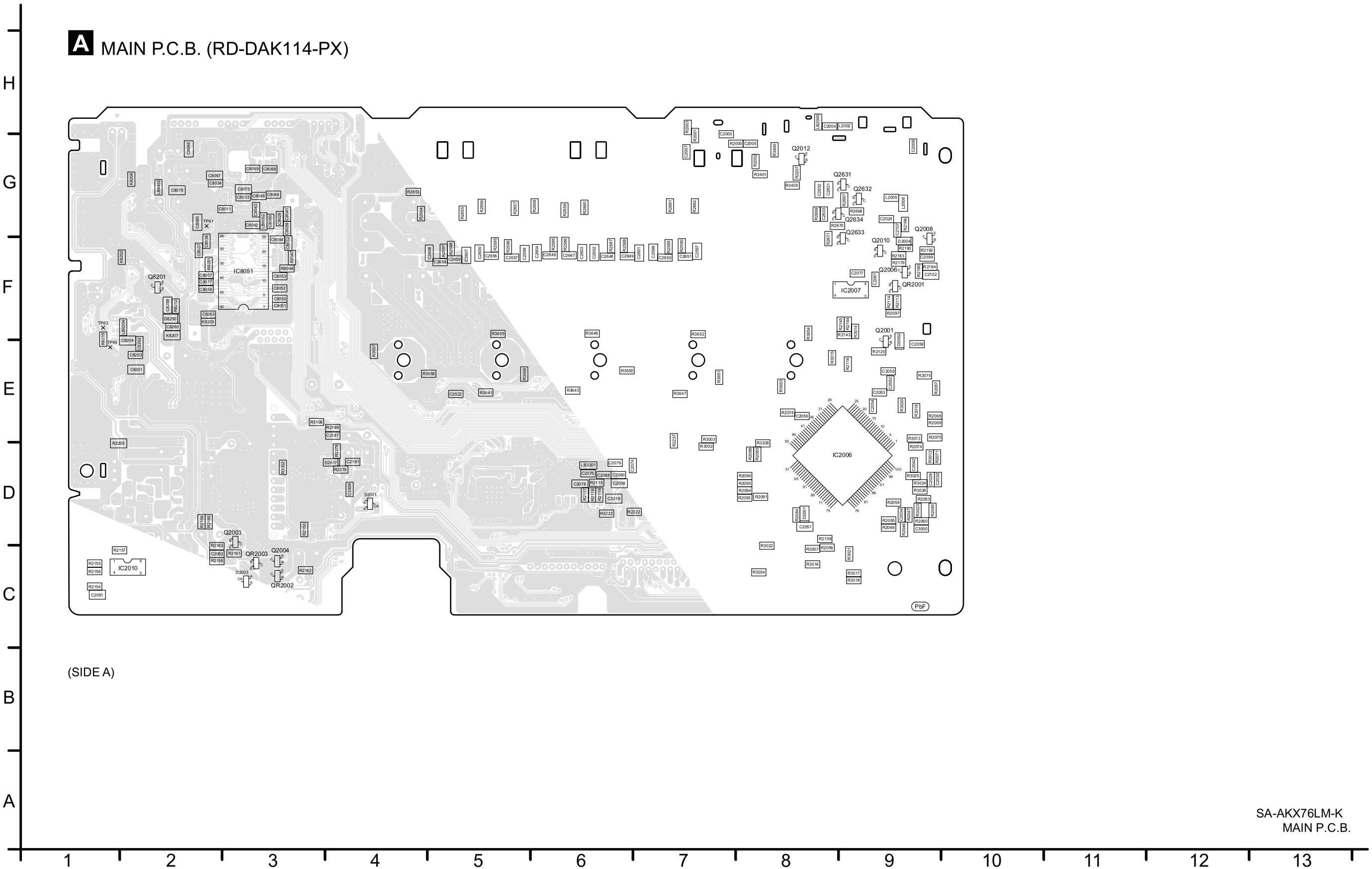
NOTE: " * " REF IS FOR INDICATION ONLY

SA-AKX76LM-K CD INTERFACE CIRCUIT

15 Printed Circuit Board

15.1. Main P.C.B.

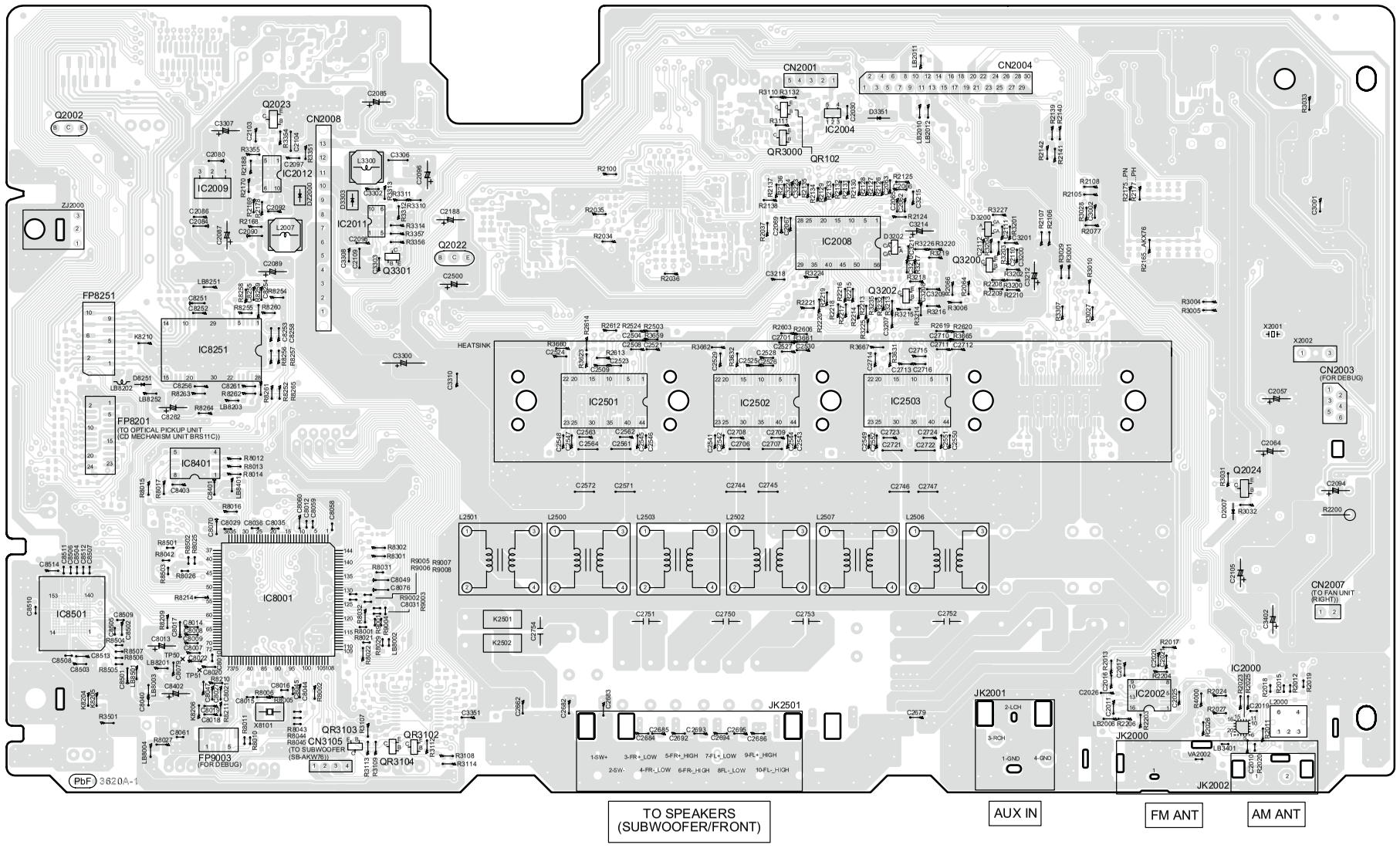
A MAIN P.C.B. (RD-DAK114-PX)



(SIDE A)

SA-AKX76LM-K
MAIN P.C.B.

A MAIN P.C.B. (RD-DAK114-PX)



(SIDE B)

SA-AKX76LM-K
MAIN P.C.B.

PISTA MAIN CON COMPONENTES

Ref. No.	Part No.	Name & Description
	RD-DAK114-PX	PISTA MAIN COMPLETA PARA CENTROS DE SERVICIO
	REP4882R	AKX76 MAIN BLOCK
ZA101	RMZX1022-1	DAMP HEATSINK SPACER
ZA102	RMZX1022-1	DAMP HEATSINK SPACER
ZA103	RMZX1022-1	DAMP HEATSINK SPACER
ZA104	RMZX1022-1	DAMP HEATSINK SPACER
ZJ2001	REX1562-1	13P FLAT WIRE (MAIN TO SMPS PCB)
Q2022	B1BACG000023	TRANSISTOR
C3300	F2A1H1020067	electrolytic capacitor
L2500	G0C100M00009	FIXED INDUCTORS
L2501	G0C100M00009	FIXED INDUCTORS
L2502	G0C100M00009	FIXED INDUCTORS
L2503	G0C100M00009	FIXED INDUCTORS
L2506	G0C100M00009	FIXED INDUCTORS
L2507	G0C100M00009	FIXED INDUCTORS
L2000	G2A380Y00002	Electrical Part
X2001	H0A327200181	CRYSTAL RESONATORS ,LEAD TYPE
CN2007	K1KA02AA0186	FAN CONNECTOR
CN3105	K1KA04BA0061	TAPE HEAD CONNECTOR
CN2001	K1KA05AA0193	CONNECTOR
CN2003	K1MY06AA0124	FFC CONNECTOR
CN2004	K1MY30AA0124	Electrical Part
CN2008	K1YZ13000002	PARTS AND ACCESSORIES FOR CONNECTORS USE
JK2001	K2HA204B0153	CONNECTOR
JK2002	K4AC02B00042	AM ANTENNA TERMINAL JACK
JK2501	K4AZ10A00003	TERMINALS / TERMINAL BLOCKS
JK2000	K4ZZ02000103	Electrical Part
	REA4882R	MAIN SMT TOP UNIT
R2086	D0GB104JA008	CHIP RESISTOR
R2190	D0GB104JA008	CHIP RESISTOR
R2653	D0GB104JA008	CHIP RESISTOR
R2654	D0GB104JA008	CHIP RESISTOR
R2655	D0GB104JA008	CHIP RESISTOR
R2656	D0GB104JA008	CHIP RESISTOR
R2657	D0GB104JA008	CHIP RESISTOR
R2658	D0GB104JA008	CHIP RESISTOR
R2659	D0GB104JA008	CHIP RESISTOR
R2660	D0GB104JA008	CHIP RESISTOR
R2661	D0GB104JA008	CHIP RESISTOR
R2662	D0GB104JA008	CHIP RESISTOR
R2668	D0GB104JA008	CHIP RESISTOR
R2670	D0GB104JA008	CHIP RESISTOR
R2053	D0GB222JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2060	D0GB223JA008	CHIP RESISTOR

Ref. No.	Part No.	Name & Description
R2669	D0GB223JA008	CHIP RESISTOR
R2157	D0GB123JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2161	D0GB123JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2000	D0GB103JA008	CHIP RESISTOR
R2001	D0GB103JA008	CHIP RESISTOR
R2002	D0GB103JA008	CHIP RESISTOR
R2003	D0GB103JA008	CHIP RESISTOR
R2046	D0GB103JA008	CHIP RESISTOR
R2054	D0GB103JA008	CHIP RESISTOR
R2056	D0GB103JA008	CHIP RESISTOR
R2058	D0GB103JA008	CHIP RESISTOR
R2069	D0GB103JA008	CHIP RESISTOR
R2109	D0GB103JA008	CHIP RESISTOR
R2116	D0GB103JA008	CHIP RESISTOR
R2117	D0GB103JA008	CHIP RESISTOR
R2118	D0GB103JA008	CHIP RESISTOR
R2119	D0GB103JA008	CHIP RESISTOR
R2222	D0GB103JA008	CHIP RESISTOR
R2237	D0GB103JA008	CHIP RESISTOR
R3222	D0GB103JA008	CHIP RESISTOR
R3405	D0GB103JA008	CHIP RESISTOR
R2067	D0GB153JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2068	D0GB153JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2162	D0GB153JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R2667	D0GB822JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
R3302	D0GB124JA008	Surface mounting fixed metal glaze film (thick film) resistors , rectangular type
C2000	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2029	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2032	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2034	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2042	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2054	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2055	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2056	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2060	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2061	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)

Ref. No.	Part No.	Name & Description
C2074	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2075	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2076	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2082	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2107	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2522	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C3000	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C3309	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2052	F1H1H180A230	CHIP CAPASITOR
C2053	F1H1H180A230	CHIP CAPASITOR
C2077	F1H1H331B052	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C8068	F1H1H332B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C8069	F1H1H332B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2051	F1J1A106A043	Surface mounting multilayer ceramic capa
C2058	F1J1A106A043	Surface mounting multilayer ceramic capa
C2078	F1J1A106A043	Surface mounting multilayer ceramic capa
C2081	F1J1A106A043	Surface mounting multilayer ceramic capa
C2102	F1J1A106A043	Surface mounting multilayer ceramic capa
C2631	F1J1A106A043	Surface mounting multilayer ceramic capa
C2632	F1J1A106A043	Surface mounting multilayer ceramic capa
C3219	F1J1A106A043	Surface mounting multilayer ceramic capa
C8064	F1J1A106A043	Surface mounting multilayer ceramic capa
C8065	F1J1A106A043	Surface mounting multilayer ceramic capa
C8067	F1J1A106A043	Surface mounting multilayer ceramic capa
C8075	F1J1A106A043	Surface mounting multilayer ceramic capa
C8078	F1J1A106A043	Surface mounting multilayer ceramic capa
C8201	F1J1A106A043	Surface mounting multilayer ceramic capa
C8204	F1J1A106A043	Surface mounting multilayer ceramic capa
C8259	F1J1A106A043	Surface mounting multilayer ceramic capa
C2597	F1J1H2240017	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (2125 TYPE)
C2598	F1J1H2240017	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (2125 TYPE)
C2599	F1J1H2240017	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (2125 TYPE)
C2600	F1J1H2240017	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (2125 TYPE)
C2601	F1J1H2240017	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (2125 TYPE)
C2602	F1J1H2240017	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (2125 TYPE)
C2603	F1J1H2240017	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (2125 TYPE)

Ref. No.	Part No.	Name & Description
C2604	F1J1H2240017	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (2125 TYPE)
C2607	F1J1H2240017	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (2125 TYPE)
C2608	F1J1H2240017	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (2125 TYPE)
L2006	G1C1R0MA0204	SURFACE MOUNTING INDUCTORS
L2002	G1CR18JA0020	SURFACE MOUNTING INDUCTORS
LB2000	J0JBC0000134	CHIP FERRITE BEAD
LB3201	J0JBC0000134	CHIP FERRITE BEAD
LB8204	J0JBC0000134	CHIP FERRITE BEAD
LB8052	J0JHC0000045	CHIP INDUCTOR
LB8402	J0JHC0000045	CHIP INDUCTOR
IC2006	MN101EF16ZXW	MICRO P
	REN4882R	MAIN RADIAL UNIT
Q2002	B1AAJC000019	Transistors
R2200	D0AF270JA039	RESISTOR
C2750	ECQV1H474JL3	CAPACITOR
C2751	ECQV1H474JL3	CAPACITOR
C2752	ECQV1H474JL3	CAPACITOR
C2753	ECQV1H474JL3	CAPACITOR
C2754	ECQV1H474JL3	CAPACITOR
C2094	F2A0J101A181	ELECTROLYTIC CAPACITOR
C8013	F2A0J101A181	ELECTROLYTIC CAPACITOR
C8402	F2A0J101A181	ELECTROLYTIC CAPACITOR
C2085	F2A0J102A247	ELECTROLYTIC CAPACITOR
C3307	F2A0J102A247	ELECTROLYTIC CAPACITOR
C2105	F2A0J221B034	ELECTROLYTIC CAPACITOR
C3402	F2A0J221B034	ELECTROLYTIC CAPACITOR
C2057	F2A0J2220055	ALUMINUM NON-SOLID ELECTROLYTIC CAPACITORS , LEAD TYPE
C2089	F2A1A101B138	CAPACITOR
C8262	F2A1A101B138	CAPACITOR
C2087	F2A1A221B161	Electrical Part
C3212	F2A1C100A234	ELECTROLYTIC CAPACITOR
C3214	F2A1C100A234	ELECTROLYTIC CAPACITOR
C2188	F2A1C221B456	Electrical Part
C2500	F2A1C330B453	Electrical Part
C2096	F2A1E330B389	ALUMINUM NON-SOLID ELECTROLYTIC CAPACITORS , LEAD TYPE
C2064	F2A1H3R3A213	ELECTROLYTIC CAPACITOR
X2002	H2B800400007	CRYSTAL OSCILLATOR
ZJ2000	K9ZZ00001279	EARTH PLATE
	REA4882RZ	MAIN SMT BOTTOM UNIT
C2561	F1K1H105A138	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (3216 TYPE)
C2564	F1K1H105A138	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (3216 TYPE)

Ref. No.	Part No.	Name & Description
C2571	F1K1H105A138	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (3216 TYPE)
C2572	F1K1H105A138	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (3216 TYPE)
C2706	F1K1H105A138	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (3216 TYPE)
C2707	F1K1H105A138	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (3216 TYPE)
C2721	F1K1H105A138	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (3216 TYPE)
C2722	F1K1H105A138	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (3216 TYPE)
C2744	F1K1H105A138	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (3216 TYPE)
C2745	F1K1H105A138	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (3216 TYPE)
C2746	F1K1H105A138	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (3216 TYPE)
C2747	F1K1H105A138	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (3216 TYPE)
C8019	F1H1H102A219	CHIP CAPASITOR
C8027	F1H1H102A219	CHIP CAPASITOR
C8256	F1H1H102A219	CHIP CAPASITOR
D3351	B0ECKM000008	SMALL CAPACITY SILICON RECTIFIER DIODES (LESS THAN 5 A)
ZH003	RJB3620A-1	MAIN PCB
D3200	B0ADCC000002	DUAL CHIP DIODE
D3202	B0ADCC000002	DUAL CHIP DIODE
D3303	B0JCPG000030	DIODE
DZ2000	B0JCPG000030	DIODE
Q3200	B1ABCF000176	SILICON TRANSISTOR
Q3202	B1ABCF000176	SILICON TRANSISTOR
QR102	B1ADCE000012	Transistors
QR3000	B1GBCFGN0016	Transistors
QR3102	B1GBCFGN0016	Transistors
QR3103	B1GBCFGN0016	Transistors
QR3104	B1GBCFGN0016	Transistors
Q2023	B1GBCFJJ0041	Transistors
Q2024	B1GBCFJJ0041	Transistors
Q3301	B1GBCFJJ0041	Transistors
IC2011	C0DBAYY01594	ICS FOR POWER SUPPLY
IC2012	C0DBAYY01594	ICS FOR POWER SUPPLY
IC2009	C0DBGYY03056	ICS FOR POWER SUPPLY
IC2004	C0DBZYY00592	ICS FOR POWER SUPPLY
IC8251	C0GBY0000117	ICS FOR MOTOR
IC2002	C0JBAR000367	LOGIC ICS
IC2000	C1AB00003566	Silicon Labs Shrink Chip Tuner IC (witho
IC2501	C1AB00003986	ICS FOR VIDEO / AUDIO
IC2502	C1AB00003986	ICS FOR VIDEO / AUDIO
IC2503	C1AB00003986	ICS FOR VIDEO / AUDIO
C8014	F1H1H103A885	Electrical Part

Ref. No.	Part No.	Name & Description
C8252	F1H1H103A885	Electrical Part
C8403	F1H1H103A885	Electrical Part
C2067	F1H1H103B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2103	F1H1H103B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C3215	F1H1H103B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C3303	F1H1H103B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2010	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2011	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2030	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2086	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2097	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2098	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2508	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2509	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2521	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2523	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2524	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2525	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2526	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2527	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2528	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2529	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2530	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2562	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2563	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2708	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2709	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2711	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2712	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2713	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2714	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)

Ref. No.	Part No.	Name & Description
C2715	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2716	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2723	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2724	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C3002	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C3308	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C3310	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C3351	F1H1H104B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C8258	F1H1H122A219	1200pf capacitor
C8047	F1H1H153A885	Samsung chip capacitor
C8254	F1H1H153A885	Samsung chip capacitor
C3218	F1H1H180A230	CHIP CAPASITOR
C8255	F1H1H182A219	CHIP CAPASITOR
C8008	F1H1H223A219	CHIP CAPACITOR
C2541	F1H1H333B055	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2542	F1H1H333B055	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2543	F1H1H333B055	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2544	F1H1H333B055	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2545	F1H1H333B055	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2546	F1H1H333B055	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2547	F1H1H333B055	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2548	F1H1H333B055	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2549	F1H1H333B055	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2550	F1H1H333B055	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2551	F1H1H333B055	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2552	F1H1H333B055	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C3223	F1H1H470B052	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C3224	F1H1H470B052	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2065	F1H1H472B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2066	F1H1H472B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2092	F1H1H472B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2062	F1H1H473B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)

Ref. No.	Part No.	Name & Description
C2063	F1H1H473B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C3200	F1H1H473B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C3201	F1H1H473B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C3207	F1H1H473B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C3209	F1H1H473B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2017	F1H1H561B052	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2020	F1H1H561B052	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C3302	F1H1H562B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C8009	F1H1H680A230	CHIP CAPACITOR
C8020	F1H1H681B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2069	F1J1A106A043	Surface mounting multilayer ceramic capa
C2080	F1J1A106A043	Surface mounting multilayer ceramic capa
C2084	F1J1A106A043	Surface mounting multilayer ceramic capa
C2090	F1J1A106A043	Surface mounting multilayer ceramic capa
C2110	F1J1A106A043	Surface mounting multilayer ceramic capa
C3208	F1J1A106A043	Surface mounting multilayer ceramic capa
C8017	F1J1A106A043	Surface mounting multilayer ceramic capa
C8049	F1J1A106A043	Surface mounting multilayer ceramic capa
C8070	F1J1A106A043	Surface mounting multilayer ceramic capa
C8076	F1J1A106A043	Surface mounting multilayer ceramic capa
C8251	F1J1A106A043	Surface mounting multilayer ceramic capa
C8401	F1J1A106A043	Surface mounting multilayer ceramic capa
C8501	F1J1A106A043	Surface mounting multilayer ceramic capa
C2504	F1J1C106A059	Surface Mounting Multilayer Ceramic Capa
C2701	F1J1C106A059	Surface Mounting Multilayer Ceramic Capa
C2710	F1J1C106A059	Surface Mounting Multilayer Ceramic Capa
C3306	F1K1E106A078	Multilayer Capacitor
C2104	F1K1H475A256	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (3216 TYPE)
C2109	F1K1H475A256	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (3216 TYPE)
LB8202	G1C100KA0101	COIL
L2007	G1C330MA0291	SURFACE MOUNT INDUCTOR
L3300	G1C470MA0291	SURFACE MOUNTING INDUCTORS
X8101	H0J338300002	SURFACE MOUNTING CRYSTAL RESONATORS
LB2006	J0JBC0000134	CHIP FERRITE BEAD
LB8203	J0JBC0000134	CHIP FERRITE BEAD
LB8002	J0JCC0000407	CHIP BEAD OF JUPITER MODULE OF PM870SD
LB8003	J0JHC0000045	CHIP INDUCTOR
LB8004	J0JHC0000045	CHIP INDUCTOR
LB8201	J0JHC0000045	CHIP INDUCTOR
LB8251	J0JHC0000045	CHIP INDUCTOR

Ref. No.	Part No.	Name & Description
LB8252	J0JHC0000045	CHIP INDUCTOR
LB8401	J0JHC0000045	CHIP INDUCTOR
LB8501	J0JHC0000045	CHIP INDUCTOR
R8012	J0JHC0000045	CHIP INDUCTOR
R8016	J0JHC0000045	CHIP INDUCTOR
R8017	J0JHC0000045	CHIP INDUCTOR
LB3401	J0JYC0000118	FILTER FOR EMI / EMC (BEADS CORES)
FP9003	K1KA05AA0051	CONNECTOR
FP8251	K1MN10AA0076	1-piece connectors for in-equipment use
FP8201	K1MN24A00062	Electrical Part
IC8001	MN6627992AB	ICS FOR VIDEO / AUDIO
ZH004	RZHR97AC02	SOLDER PASTE
IC2008	C1AB00004003	ICS FOR VIDEO / AUDIO
IC8401	C3FBMY000309	FLASH MEMORIES
IC8501	C3FBXY000042	FLASH MEMORIES
R2020	D0GA102JA023	CHIP RESISTOR
R8031	D0GA103JA023	CHIP REISTOR
R8042	D0GA103JA023	CHIP REISTOR
R8010	D0GA104JA023	CHIP RESISTOR
R8011	D0GA104JA023	CHIP RESISTOR
R9003	D0GA153JA023	CHIP RESISTOR
R9004	D0GA153JA023	CHIP RESISTOR
R9007	D0GA153JA023	CHIP RESISTOR
R9008	D0GA153JA023	CHIP RESISTOR
R2018	D0GA221JA023	SMT RESISTOR
R2019	D0GA221JA023	SMT RESISTOR
R8021	D0GA330JA023	CHIP RESISTOR
R8029	D0GA330JA023	CHIP RESISTOR
R2012	D0GA472JA023	CHIP RESISTOR
R2015	D0GA472JA023	CHIP RESISTOR
R8502	D0GA473JA023	CHIP RESISTOR
R8503	D0GA473JA023	CHIP RESISTOR
R8504	D0GA473JA023	CHIP RESISTOR
R8505	D0GA473JA023	CHIP RESISTOR
R8506	D0GA473JA023	CHIP RESISTOR
R8507	D0GA473JA023	CHIP RESISTOR
R2503	D0GB100JA008	THICK FILM CHIP RESISTOR
R2606	D0GB100JA008	THICK FILM CHIP RESISTOR
R2620	D0GB100JA008	THICK FILM CHIP RESISTOR
R3659	D0GB100JA008	THICK FILM CHIP RESISTOR
R3660	D0GB100JA008	THICK FILM CHIP RESISTOR
R3661	D0GB100JA008	THICK FILM CHIP RESISTOR
R3662	D0GB100JA008	THICK FILM CHIP RESISTOR
R3665	D0GB100JA008	THICK FILM CHIP RESISTOR
R3667	D0GB100JA008	THICK FILM CHIP RESISTOR

Ref. No.	Part No.	Name & Description
R8022	D0GB100JA065	SURFACE MOUNTING FIXED RESISTORS , RECTANGULAR TYPE
R8027	D0GB100JA065	SURFACE MOUNTING FIXED RESISTORS , RECTANGULAR TYPE
R8262	D0GB100JA065	SURFACE MOUNTING FIXED RESISTORS , RECTANGULAR TYPE
R2208	D0GB101JA008	CHIP RESISTOR
R2213	D0GB101JA008	CHIP RESISTOR
R2214	D0GB101JA008	CHIP RESISTOR
R2215	D0GB101JA008	CHIP RESISTOR
R2216	D0GB101JA008	CHIP RESISTOR
R2217	D0GB101JA008	CHIP RESISTOR
R2218	D0GB101JA008	CHIP RESISTOR
R2219	D0GB101JA008	CHIP RESISTOR
R2220	D0GB101JA008	CHIP RESISTOR
R2612	D0GB101JA008	CHIP RESISTOR
R3004	D0GB101JA008	CHIP RESISTOR
R3005	D0GB101JA008	CHIP RESISTOR
R3006	D0GB101JA008	CHIP RESISTOR
R3200	D0GB101JA008	CHIP RESISTOR
R3203	D0GB101JA008	CHIP RESISTOR
R3204	D0GB101JA008	CHIP RESISTOR
R3213	D0GB101JA008	CHIP RESISTOR
R3217	D0GB101JA008	CHIP RESISTOR
R3218	D0GB101JA008	CHIP RESISTOR
R3219	D0GB101JA008	CHIP RESISTOR
R3232	D0GB101JA008	CHIP RESISTOR
R3235	D0GB101JA008	CHIP RESISTOR
R8256	D0GB101JA065	Surface mounting fixed resistors , recta
R8261	D0GB101JA065	Surface mounting fixed resistors , recta
R3032	D0GB102JA008	CHIP RESISTOR
R3112	D0GB102JA008	CHIP RESISTOR
R3113	D0GB102JA008	CHIP RESISTOR
R3114	D0GB102JA008	CHIP RESISTOR
R3354	D0GB102JA008	CHIP RESISTOR
R3356	D0GB102JA008	CHIP RESISTOR
R8252	D0GB102JA065	SURFACE MOUNTING OTHER FIXED RESISTORS
R8263	D0GB102JA065	SURFACE MOUNTING OTHER FIXED RESISTORS
R2105	D0GB103JA008	CHIP RESISTOR
R2106	D0GB103JA008	CHIP RESISTOR
R2107	D0GB103JA008	CHIP RESISTOR
R2108	D0GB103JA008	CHIP RESISTOR
R2131	D0GB103JA008	CHIP RESISTOR
R2132	D0GB103JA008	CHIP RESISTOR
R2178	D0GB103JA008	CHIP RESISTOR
R2206	D0GB103JA008	CHIP RESISTOR
R3001	D0GB103JA008	CHIP RESISTOR

Ref. No.	Part No.	Name & Description
R3029	D0GB103JA008	CHIP RESISTOR
R3031	D0GB103JA008	CHIP RESISTOR
R3201	D0GB103JA008	CHIP RESISTOR
R3220	D0GB103JA008	CHIP RESISTOR
R3224	D0GB103JA008	CHIP RESISTOR
R8002	D0GB103JA065	SURFACE MOUNTING OTHER FIXED RESISTORS
R8214	D0GB103JA065	SURFACE MOUNTING OTHER FIXED RESISTORS
R3111	D0GB104JA008	CHIP RESISTOR
R8265	D0GB104JA065	SURFACE MOUNTING FIXED RESISTORS , RECTANGULAR TYPE
R8005	D0GB105JA065	SURFACE MOUNTING FIXED RESISTORS , RECTANGULAR TYPE
R8264	D0GB122JA065	SURFACE MOUNTING FIXED RESISTORS , RECTANGULAR TYPE
R2128	D0GB183JA008	CHIP RESISTOR
R3314	D0GB184JA008	CHIP RESISTOR
R8006	D0GB221JA065	SURFACE MOUNTING OTHER FIXED RESISTORS
R2023	D0GB222JA008	CHIP RESISTOR
R2026	D0GB222JA008	CHIP RESISTOR
R4000	D0GB222JA008	CHIP RESISTOR
R2524	D0GB223JA008	CHIP RESISTOR
R2603	D0GB223JA008	CHIP RESISTOR
R2619	D0GB223JA008	CHIP RESISTOR
R8209	D0GB225JA065	SURFACE MOUNTING FIXED RESISTORS , RECTANGULAR TYPE
R8211	D0GB272JA065	SURFACE MOUNTING FIXED RESISTORS , RECTANGULAR TYPE
R8258	D0GB273JA065	SURFACE MOUNTING OTHER FIXED RESISTORS
R2188	D0GB274JA007	CHIP RESISTOR
R8013	D0GB330JA008	DPIM Surface Mounting Fixed Metal Glaze
R8014	D0GB330JA008	DPIM Surface Mounting Fixed Metal Glaze
R8015	D0GB330JA008	DPIM Surface Mounting Fixed Metal Glaze
R3110	D0GB331JA008	CHIP RESISTOR
R2139	D0GB332JA008	CHIP RESISTOR
R2140	D0GB332JA008	CHIP RESISTOR
R2141	D0GB332JA008	CHIP RESISTOR
R2142	D0GB332JA008	CHIP RESISTOR
R8255	D0GB332JA065	SURFACE MOUNTING FIXED RESISTORS , RECTANGULAR TYPE
R3226	D0GB333JA008	CHIP RESISTOR
R2210	D0GB334JA008	CHIP RESISTOR
R3214	D0GB334JA008	CHIP RESISTOR
R2209	D0GB392JA008	CHIP RESISTOR
R3215	D0GB392JA008	CHIP RESISTOR
R2124	D0GB471JA008	CHIP RESISTOR
R2125	D0GB471JA008	CHIP RESISTOR
R2221	D0GB472JA008	CHIP RESISTOR
R8259	D0GB472JA065	SURFACE MOUNTING MULTILAYER CERAMIC CAPA

Ref. No.	Part No.	Name & Description
R2077	D0GB473JA008	CHIP RESISTOR
R3010	D0GB473JA008	CHIP RESISTOR
R8260	D0GB473JA065	SURFACE MOUNTING FIXED RESISTORS , RECTANGULAR TYPE
R2025	D0GB561JA008	THICK FILM CHIP RESISTOR
R3227	D0GB562JA008	RESISTOR
R8254	D0GB562JA065	SURFACE MOUNTING FIXED RESISTORS , RECTANGULAR TYPE
R8257	D0GB562JA065	SURFACE MOUNTING FIXED RESISTORS , RECTANGULAR TYPE
R3313	D0GB682JA008	CHIP RESISTOR
R8210	D0GB821JA065	SURFACE MOUNTING FIXED RESISTORS , RECTANGULAR TYPE
R3202	D0GB823JA008	CHIP RESISTOR
R3216	D0GB823JA008	CHIP RESISTOR
R2011	D0GBR00JA008	CHIP JUMPER
R2013	D0GBR00JA008	CHIP JUMPER
R2017	D0GBR00JA008	CHIP JUMPER
R2034	D0GBR00JA008	CHIP JUMPER
R2035	D0GBR00JA008	CHIP JUMPER
R2036	D0GBR00JA008	CHIP JUMPER
R2037	D0GBR00JA008	CHIP JUMPER
R2064	D0GBR00JA008	CHIP JUMPER
R2066	D0GBR00JA008	CHIP JUMPER
R2100	D0GBR00JA008	CHIP JUMPER
R2126	D0GBR00JA008	CHIP JUMPER
R2127	D0GBR00JA008	CHIP JUMPER
R2129	D0GBR00JA008	CHIP JUMPER
R2130	D0GBR00JA008	CHIP JUMPER
R2133	D0GBR00JA008	CHIP JUMPER
R2134	D0GBR00JA008	CHIP JUMPER
R2135	D0GBR00JA008	CHIP JUMPER
R2136	D0GBR00JA008	CHIP JUMPER
R2137	D0GBR00JA008	CHIP JUMPER
R2138	D0GBR00JA008	CHIP JUMPER
R2165	D0GBR00JA008	CHIP JUMPER
R2203	D0GBR00JA008	CHIP JUMPER
R2204	D0GBR00JA008	CHIP JUMPER
R2613	D0GBR00JA008	CHIP JUMPER
R2614	D0GBR00JA008	CHIP JUMPER
R3027	D0GBR00JA008	CHIP JUMPER
R3028	D0GBR00JA008	CHIP JUMPER
R3033	D0GBR00JA008	CHIP JUMPER
R3107	D0GBR00JA008	CHIP JUMPER
R3108	D0GBR00JA008	CHIP JUMPER
R3109	D0GBR00JA008	CHIP JUMPER
R3121	D0GBR00JA008	CHIP JUMPER

Ref. No.	Part No.	Name & Description
R3132	D0GBR00JA008	CHIP JUMPER
R3225	D0GBR00JA008	CHIP JUMPER
R3301	D0GBR00JA008	CHIP JUMPER
R3307	D0GBR00JA008	CHIP JUMPER
R3351	D0GBR00JA008	CHIP JUMPER
R3501	D0GBR00JA008	CHIP JUMPER
R3623	D0GBR00JA008	CHIP JUMPER
R3631	D0GBR00JA008	CHIP JUMPER
R3632	D0GBR00JA008	CHIP JUMPER
R2168	D0HB392ZA002	CHIP RESISTOR
K2501	D0YRR0000001	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)
K2502	D0YRR0000001	SURFACE MOUNTING OTHER FIXED RESISTORS , RECTANGULAR TYPE (JUMPER WIRE RESISTOR INCLUDED)
D8251	DA2J10100L	SWITCHING DIODES
D2007	DZ2J130M0L	Voltage regulation diodes
R8001	ERJ2GE0R00X	CHIP JUMPER
R8025	ERJ2GE0R00X	CHIP JUMPER
R8026	ERJ2GE0R00X	CHIP JUMPER
R8043	ERJ2GE0R00X	CHIP JUMPER
R8044	ERJ2GE0R00X	CHIP JUMPER
R8045	ERJ2GE0R00X	CHIP JUMPER
R8501	ERJ2GE0R00X	CHIP JUMPER
R9001	ERJ2RKD300X	RESISTOR
R9002	ERJ2RKD300X	RESISTOR
R9005	ERJ2RKD300X	RESISTOR
R9006	ERJ2RKD300X	RESISTOR
R3355	ERJ3GEYJ185V	Surface mounting fixed resistors rectan
R3357	ERJ3GEYJ185V	Surface mounting fixed resistors rectan
R2170	ERJ3RBD103V	CHIP RESISTOR
R3312	ERJ3RBD103V	CHIP RESISTOR
R3311	ERJ3RBD104V	CHIP RESISTOR
R2169	ERJ3RBD563V	CHIP RESISTOR
R3310	ERJ3RBD823V	RESISTOR
VA2002	EZAEG2A50AX	ESD SUPRESSOR
C8010	F1G1A1040006	CHIP ERAMIC CAPACITOR
C8012	F1G1A1040006	CHIP ERAMIC CAPACITOR
C8029	F1G1A1040006	CHIP ERAMIC CAPACITOR
C8031	F1G1A1040006	CHIP ERAMIC CAPACITOR
C8035	F1G1A1040006	CHIP ERAMIC CAPACITOR
C8036	F1G1A1040006	CHIP ERAMIC CAPACITOR
C8040	F1G1A1040006	CHIP ERAMIC CAPACITOR
C8045	F1G1A1040006	CHIP ERAMIC CAPACITOR
C8058	F1G1A1040006	CHIP ERAMIC CAPACITOR
C8059	F1G1A1040006	CHIP ERAMIC CAPACITOR
C8061	F1G1A1040006	CHIP ERAMIC CAPACITOR

Ref. No.	Part No.	Name & Description
C8504	F1G1A1040006	CHIP ERAMIC CAPACITOR
C8505	F1G1A1040006	CHIP ERAMIC CAPACITOR
C8506	F1G1A1040006	CHIP ERAMIC CAPACITOR
C8507	F1G1A1040006	CHIP ERAMIC CAPACITOR
C8508	F1G1A1040006	CHIP ERAMIC CAPACITOR
C8509	F1G1A1040006	CHIP ERAMIC CAPACITOR
C8510	F1G1A1040006	CHIP ERAMIC CAPACITOR
C8511	F1G1A1040006	CHIP ERAMIC CAPACITOR
C8512	F1G1A1040006	CHIP ERAMIC CAPACITOR
C2019	F1G1C104A077	CAPACITOR
C8015	F1G1H120A565	Surface Mounting Multilayer Ceramic Capa
C8016	F1G1H120A565	Surface Mounting Multilayer Ceramic Capa
C8022	F1H0J4750005	DPIM SURFACE MOUNTING MULTILAYER CERAMIC
C8044	F1H0J4750005	DPIM SURFACE MOUNTING MULTILAYER CERAMIC
C8513	F1H0J4750005	DPIM SURFACE MOUNTING MULTILAYER CERAMIC
C8514	F1H0J4750005	DPIM SURFACE MOUNTING MULTILAYER CERAMIC
C8060	F1H1A105A025	CHIP CAPACITOR
C8261	F1H1A105A025	CHIP CAPACITOR
C8502	F1H1A105A025	CHIP CAPACITOR
C8503	F1H1A105A025	CHIP CAPACITOR
C8253	F1H1A154A107	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C8007	F1H1A334A025	CHIP CAPACITOR
C8018	F1H1A334A028	CHIP CAPACITOR
C8079	F1H1C104A008	CHIP CAPASITOR
C8021	F1H1C823A178	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2016	F1H1E105A153	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2021	F1H1E105A153	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2025	F1H1E105A153	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2026	F1H1E105A153	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2111	F1H1E105A153	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2112	F1H1E105A153	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C3001	F1H1E105A153	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C3210	F1H1E105A153	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C3211	F1H1E105A153	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2682	F1H1H102B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2683	F1H1H102B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2684	F1H1H102B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2685	F1H1H102B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)

Ref. No.	Part No.	Name & Description
C2686	F1H1H102B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2692	F1H1H102B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2693	F1H1H102B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2694	F1H1H102B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2695	F1H1H102B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2662	D0GBR00J0004	SURFACE MOUNTING FIXED RESISTORS , RECTANGULAR TYPE
C2679	D0GBR00J0004	SURFACE MOUNTING FIXED RESISTORS , RECTANGULAR TYPE
K8204	D0GBR00J0004	SURFACE MOUNTING FIXED RESISTORS , RECTANGULAR TYPE
K8205	D0GBR00J0004	SURFACE MOUNTING FIXED RESISTORS , RECTANGULAR TYPE
K8206	D0GBR00J0004	SURFACE MOUNTING FIXED RESISTORS , RECTANGULAR TYPE
K8210	D0GBR00J0004	SURFACE MOUNTING FIXED RESISTORS , RECTANGULAR TYPE
LB2010	D0GBR00J0004	SURFACE MOUNTING FIXED RESISTORS , RECTANGULAR TYPE
LB2011	D0GBR00J0004	SURFACE MOUNTING FIXED RESISTORS , RECTANGULAR TYPE
LB2012	D0GBR00J0004	SURFACE MOUNTING FIXED RESISTORS , RECTANGULAR TYPE
R2024	D0GBR00J0004	SURFACE MOUNTING FIXED RESISTORS , RECTANGULAR TYPE
R2027	D0GBR00J0004	SURFACE MOUNTING FIXED RESISTORS , RECTANGULAR TYPE
R8032	D0GBR00J0004	SURFACE MOUNTING FIXED RESISTORS , RECTANGULAR TYPE
R8301	D0GBR00J0004	SURFACE MOUNTING FIXED RESISTORS , RECTANGULAR TYPE
R8302	D0GBR00J0004	SURFACE MOUNTING FIXED RESISTORS , RECTANGULAR TYPE
ZH005	TB2217H	CHIP BONDER (20ML)
R2184	D0GB221JA007	CHIP RESISTOR
R2163	D0GB271JA008	CHIP RESISTOR
R2179	D0GB274JA007	CHIP RESISTOR
R2158	D0GB2R2JA007	CHIP RESISTOR
R2159	D0GB2R2JA007	CHIP RESISTOR
R2160	D0GB2R2JA007	CHIP RESISTOR
R8251	D0GB330JA065	SURFACE MOUNTING FIXED RESISTORS , RECTANGULAR TYPE
R2097	D0GB332JA008	CHIP RESISTOR
R2113	D0GB332JA008	CHIP RESISTOR
R2071	D0GB392JA008	CHIP RESISTOR
R2070	D0GB472JA008	CHIP RESISTOR
R2075	D0GB472JA008	CHIP RESISTOR
R2144	D0GB472JA008	CHIP RESISTOR
R2145	D0GB472JA008	CHIP RESISTOR
R2671	D0GB472JA008	CHIP RESISTOR

Ref. No.	Part No.	Name & Description
R2083	D0GB473JA008	CHIP RESISTOR
R2120	D0GB473JA008	CHIP RESISTOR
R2156	D0GB473JA008	CHIP RESISTOR
R2196	D0GB474JA008	CHIP RESISTOR
R8212	D0GB4R7JA065	SURFACE MOUNTING FIXED RESISTORS , RECTANGULAR TYPE
R2084	D0GB564JA008	CHIP RESISTOR
R8215	D0GB5R6JA065	SURFACE MOUNTING FIXED RESISTORS , RECTANGULAR TYPE
R2155	D0GB681JA008	CHIP RESISTOR
R2183	D0GB682JA008	CHIP RESISTOR
R2114	D0GB683JA008	CHIP RESISTOR
R2278	D0GB821JA008	CHIP RESISTOR
R2180	D0GB823JA008	CHIP RESISTOR
C8263	D0GBR00J0004	Surface mounting fixed resistors , recta
K8202	D0GBR00J0004	Surface mounting fixed resistors , recta
K8203	D0GBR00J0004	Surface mounting fixed resistors , recta
K8208	D0GBR00J0004	Surface mounting fixed resistors , recta
L2005	D0GBR00J0004	Surface mounting fixed resistors , recta
K8207	D0GDR00JA017	CHIP JUMPER
R2205	D0GDR00JA017	CHIP JUMPER
D2001	DA2J10100L	SWITCHING DIODES
D2002	DA2J10100L	SWITCHING DIODES
D2004	DA2J10100L	SWITCHING DIODES
D8250	DZ2J056M0L	Voltage regulation diodes
D2017	DZ2J130M0L	Voltage regulation diodes
R2585	ERJ3GEYJ3R3V	CHIP RESISTOR
R2586	ERJ3GEYJ3R3V	CHIP RESISTOR
R2587	ERJ3GEYJ3R3V	CHIP RESISTOR
R2588	ERJ3GEYJ3R3V	CHIP RESISTOR
R2589	ERJ3GEYJ3R3V	CHIP RESISTOR
R2590	ERJ3GEYJ3R3V	CHIP RESISTOR
R2595	ERJ3GEYJ3R3V	CHIP RESISTOR
R2596	ERJ3GEYJ3R3V	CHIP RESISTOR
R2597	ERJ3GEYJ3R3V	CHIP RESISTOR
R2598	ERJ3GEYJ3R3V	CHIP RESISTOR
C8051	F1H1A105A004	CHIP APACITOR
C8054	F1H1A105A004	CHIP APACITOR
C8050	F1H1A105A025	CHIP CAPACITOR
C8011	F1H1C104A008	CHIP CAPASITOR
C8028	F1H1C104A008	CHIP CAPASITOR
C8032	F1H1C104A008	CHIP CAPASITOR
C8033	F1H1C104A008	CHIP CAPASITOR
C8034	F1H1C104A008	CHIP CAPASITOR
C8037	F1H1C104A008	CHIP CAPASITOR
C8038	F1H1C104A008	CHIP CAPASITOR

Ref. No.	Part No.	Name & Description
C8039	F1H1C104A008	CHIP CAPASITOR
C8041	F1H1C104A008	CHIP CAPASITOR
C8042	F1H1C104A008	CHIP CAPASITOR
C8043	F1H1C104A008	CHIP CAPASITOR
C8046	F1H1C104A008	CHIP CAPASITOR
C8048	F1H1C104A008	CHIP CAPASITOR
C8202	F1H1C104A008	CHIP CAPASITOR
C8052	F1H1C104A120	Samsung chip capacitor
C8053	F1H1C104A120	Samsung chip capacitor
C8055	F1H1C104A120	Samsung chip capacitor
C8056	F1H1C104A120	Samsung chip capacitor
C8077	F1H1C104A120	Samsung chip capacitor
C2009	F1H1C474A178	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2005	F1H1E105A153	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2007	F1H1E105A153	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2024	F1H1E105A153	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2059	F1H1E105A153	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2099	F1H1E105A153	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2633	F1H1E105A153	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2004	F1H1H102B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2187	F1H1H103A219	CHIP CAPACITOR
C2191	F1H1H103A219	CHIP CAPACITOR
C8057	F1H1H103A885	Electrical Part
C8203	F1H1H103A885	Electrical Part
C8260	F1H1H103A885	Electrical Part
C2068	F1H1H103B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2646	F1H1H103B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2647	F1H1H103B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2648	F1H1H103B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2649	F1H1H103B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2650	F1H1H103B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2651	F1H1H103B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2656	F1H1H103B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2657	F1H1H103B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2658	F1H1H103B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)
C2659	F1H1H103B047	SURFACE MOUNTING MULTILAYER CERAMIC CAPACITORS , RECTANGULAR TYPE (1608 TYPE)

Ref. No.	Part No.	Name & Description
D2003	B0ADDJ000032	SWITCHING DIODES
D3301	B0ADDJ000032	SWITCHING DIODES
Q2006	B1ABCF000231	Transistors
Q2008	B1ABCF000231	Transistors
Q2010	B1ABCF000231	Transistors
Q2631	B1ABCF000231	Transistors
Q2632	B1ABCF000231	Transistors
Q2633	B1ABCF000231	Transistors
Q2003	B1ADCE000012	Transistors
Q2634	B1ADCE000012	Transistors
Q8201	B1ADCF000001	TRANSISTOR
Q2012	B1GBCFJJ0041	Transistors
Q2004	B1GBCFJJ0051	CHIP TRANSISTOR
QR2001	B1GBCFJJ0051	CHIP TRANSISTOR
QR2002	B1GBCFJJ0051	CHIP TRANSISTOR
QR2003	B1GBCFJJ0051	CHIP TRANSISTOR
Q2001	B1GBCFLL0037	CHIP TRANSISTOR
IC2010	C0ABBB000067	IC
IC8051	C3ABMY000027	Electrical Part
IC2007	C3EBEY000037	EEPROM
R2048	D0GB101JA008	CHIP RESISTOR
R2078	D0GB101JA008	CHIP RESISTOR
R2091	D0GB101JA008	CHIP RESISTOR
R2093	D0GB101JA008	CHIP RESISTOR
R2094	D0GB101JA008	CHIP RESISTOR
R2095	D0GB101JA008	CHIP RESISTOR
R2096	D0GB101JA008	CHIP RESISTOR
R2192	D0GB101JA008	CHIP RESISTOR
R2279	D0GB101JA008	CHIP RESISTOR
R3002	D0GB101JA008	CHIP RESISTOR
R3003	D0GB101JA008	CHIP RESISTOR
R3007	D0GB101JA008	CHIP RESISTOR
R3641	D0GB101JA008	CHIP RESISTOR
R3643	D0GB101JA008	CHIP RESISTOR
R3647	D0GB101JA008	CHIP RESISTOR
R2047	D0GB102JA008	CHIP RESISTOR
R2207	D0GB102JA008	CHIP RESISTOR
R8046	D0GB103JA065	SURFACE MOUNTING OTHER FIXED RESISTORS
R8047	D0GB103JA065	SURFACE MOUNTING OTHER FIXED RESISTORS
R2115	D0GB1R0JA008	THICK FILM RESISTOR
R2049	D0GBR00JA008	CHIP JUMPER
R2074	D0GBR00JA008	CHIP JUMPER
R2143	D0GBR00JA008	CHIP JUMPER
R2150	D0GBR00JA008	CHIP JUMPER
R2154	D0GBR00JA008	CHIP JUMPER

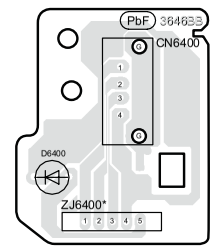
Ref. No.	Part No.	Name & Description
R2199	D0GBR00JA008	CHIP JUMPER
R3012	D0GBR00JA008	CHIP JUMPER
R3013	D0GBR00JA008	CHIP JUMPER
R3014	D0GBR00JA008	CHIP JUMPER
R3015	D0GBR00JA008	CHIP JUMPER
R3016	D0GBR00JA008	CHIP JUMPER
R3017	D0GBR00JA008	CHIP JUMPER
R3018	D0GBR00JA008	CHIP JUMPER
R3019	D0GBR00JA008	CHIP JUMPER
R3020	D0GBR00JA008	CHIP JUMPER
R3021	D0GBR00JA008	CHIP JUMPER
R3022	D0GBR00JA008	CHIP JUMPER
R3023	D0GBR00JA008	CHIP JUMPER
R3024	D0GBR00JA008	CHIP JUMPER
R3025	D0GBR00JA008	CHIP JUMPER
R3026	D0GBR00JA008	CHIP JUMPER
R3034	D0GBR00JA008	CHIP JUMPER
R3106	D0GBR00JA008	CHIP JUMPER
R3308	D0GBR00JA008	CHIP JUMPER
R3400	D0GBR00JA008	CHIP JUMPER
R3401	D0GBR00JA008	CHIP JUMPER
R3649	D0GBR00JA008	CHIP JUMPER
R3650	D0GBR00JA008	CHIP JUMPER
R3651	D0GBR00JA008	CHIP JUMPER
R3652	D0GBR00JA008	CHIP JUMPER
R3653	D0GBR00JA008	CHIP JUMPER
R3654	D0GBR00JA008	CHIP JUMPER
R3655	D0GBR00JA008	CHIP JUMPER
R3656	D0GBR00JA008	CHIP JUMPER
R3657	D0GBR00JA008	CHIP JUMPER
R3658	D0GBR00JA008	CHIP JUMPER
ZA106	RHD26043-1	Special Screws
ZA107	RHD26043-1	Special Screws
ZA108	RHD26043-1	Special Screws
ZA109	RHD26043-1	Special Screws
ZA100	RMY0439	AKX76 HEAT SINK (D-AMP)
ZA111	RMY0440	AKX76 DAMP HEAT SINK BRACKET
ZA112	RSC1230	TUNER SHIELD
ZH006	RZGGHG308	Grease, Oils
ZH007	RZHRX1005	FLUX
ZH009	RZHX0014	SUB MATERIAL
ZH008	RZHX0021	ASAHI SCS2 LEAD FREE SOLDER BAR
	RPF0599	BUBBLE BAG
	RPG0F75	TRANSPORT BOX
	RPN2580	POLYFOAM PAD

Ref. No.	Part No.	Name & Description
	RPQ3164	LAYER PAD
	RPU0211	PARTITION PAD ASSY
	RPQ3165	PARTITION PAD A
	RPQ3166	PARTITION PAD B
	Z-TP-G72A1	Z_BLOCK
	Z-TP-N12	Z_BLOCK

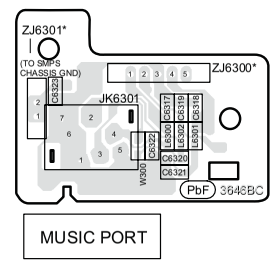
15.2. Panel, USB, Music Port & Memory LED P.C.B.

B PANEL P.C.B. (RAIM13X763A)

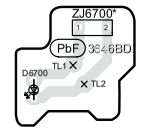
■ USB P.C.B. (RAIM13X763A)



D MUSIC PORT P.C.B. (RAIM13X763A)



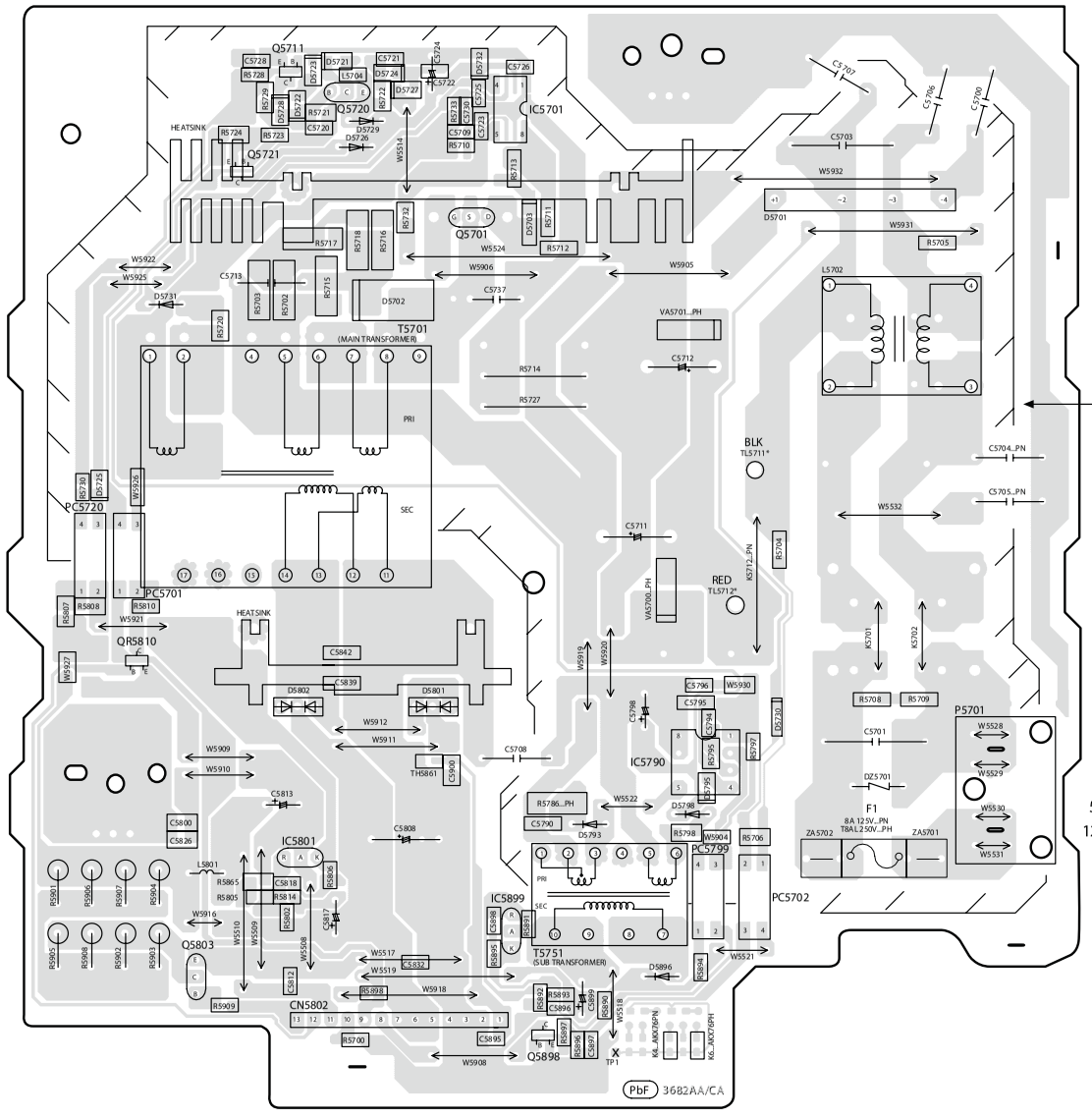
E MEMORY LED P.C.B. (RAIM13X763A)



NOTE: " * " REF IS FOR INDICATION ONLY

15.3. SMPS .

G SMPS P.C.B. (RAIM13X760A)



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

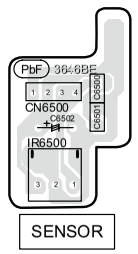
AC IN~
110-127V/
220-240V
50/60Hz...PH
120V 60Hz...PN

NOTE: " * " REF IS FOR INDICATION ONLY

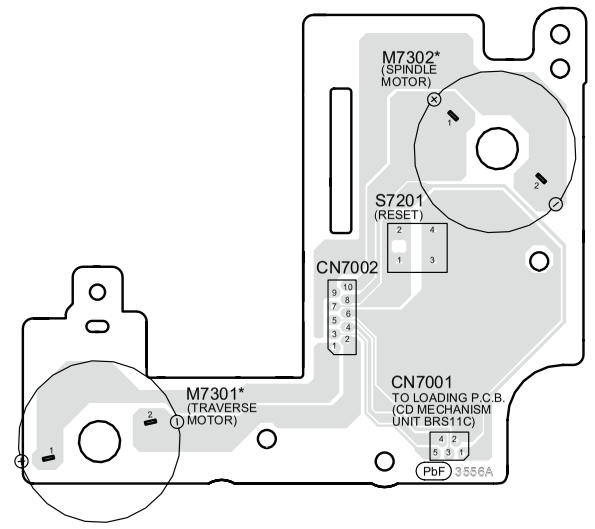
SA-AKX76LM-K
SMPS.

15.4. Remote Sensor & CD Interface P.C.B.

F REMOTE SENSOR P.C.B. (REP4884AE)



I CD INTERFACE P.C.B. (REP4945A)



NOTE: " * " REF IS FOR INDICATION ONLY

SA-AKX76LM-K
REMOTE SENSOR / CD INTERFACE P.C.B.

16 Appendix Information of Schematic Diagram

16.1. 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.

16.1.1. Main P.C.B. (1/6)

REF NO.	IC2000																			
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	3.3	0	3.0	3.3	0	3.3	3.3	0	1.4	0.3	2.8	2.8	3.3	0	0	0

REF NO.	IC2002																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
AUX IN	2.8	0	3.0	0	2.0	0	0	0	0	3.0	0	2.8	3.0	2.0	0	12.0				
STANDBY	2.8	0	3.0	0	2.0	0	0	0	0	3.0	0	2.8	3.0	2.0	0	12.0				

REF NO.	IC2004																			
MODE	1	2	3	4	5															
POWER ON	3.3	0	3.3	5.1	5.1															
STANDBY	3.3	0	3.3	5.1	5.1															

REF NO.	IC2006																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER ON	1.3	0.7	1.0	0	0.8	0	0	3.3	3.3	0	0	1.6	1.5	0	1.3	1.7	3.3	1.8	3.3	3.3
STANDBY	1.3	0.7	1.0	0	0.8	0	0	3.3	3.3	0	0	1.6	1.5	0	1.3	1.7	3.3	1.8	3.3	3.3

REF NO.	IC2006																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
POWER ON	3.3	0	0	0	3.3	3.3	0	3.3	3.3	1.8	0	0	5.0	3.3	3.3	3.3	1.8	3.3	0	3.3
STANDBY	3.3	0	0	0	3.3	3.3	0	3.3	3.3	1.8	0	0	5.0	3.3	3.3	3.3	1.8	3.3	0	3.3

REF NO.	IC2006																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
CD PLAY	3.3	3.3	3.3	0	0	3.3	3.3	3.3	0	3.3	0	0	3.3	3.2	0	0	3.3	3.3	2.8	2.8
STANDBY	3.3	3.3	3.3	0	0	3.3	3.3	3.3	0	3.3	0	0	3.3	3.2	0	0	3.3	3.3	2.8	2.8

REF NO.	IC2006																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
CD PLAY	3.3	3.3	0	0	0	0	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0	3.3
STANDBY	3.3	3.3	0	0	0	0	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0	3.3

REF NO.	IC2006																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CD PLAY	3.3	3.3	3.3	3.3	0	3.3	0	1.6	3.3	3.3	0	0.4	0.6	3.3	1.7	3.3	2.6	3.3	3.0	3.3
STANDBY	3.3	3.3	3.3	3.3	0	3.3	0	1.6	3.3	3.3	0	0.4	0.6	3.3	1.7	3.3	2.6	3.3	3.0	3.3

REF NO.	IC2007																			
MODE	1	2	3	4	5	6	7	8												
POWER ON	0	0	0	0	3.3	3.3	0	3.3												
STANDBY	0	0	0	0	3.3	3.3	0	3.3												

REF NO.	IC2008																			
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	0.6	1.1	1.8	3.3	0	1.6	1.0	0	3.3	3.3	3.3	3.3	3.3	3.3	3.3
STANDBY	0	0	0	0	0	0.7	1.1	1.8	3.3	0	1.6	1.0	0	3.3	3.3	3.3	3.3	3.3	3.3	3.3

SA-AKX76LM-K MAIN P.C.B .

16.1.2. Main P.C.B. (2/6)

REF NO.	IC2008																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	3.3	1.7	1.6	0.8	0	0	0	1.8	1.2	1.6	1.6	0	0	3.3	3.3	0	3.3	1.6	1.6	1.6
STANDBY	3.3	1.7	1.6	0.8	0	0	0	1.8	1.2	1.6	1.6	0	0	3.3	3.3	0	3.3	1.6	1.6	1.6

REF NO.	IC2008																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56				
CD PLAY	1.6	1.6	1.6	1.6	1.6	1.6	0	1.6	1.6	3.3	0	1.8	0	1.6	0	0				
STANDBY	1.6	1.6	1.6	1.6	1.6	1.6	0	1.6	1.6	3.3	0	1.8	0	1.6	0	0				

REF NO.	IC2009																			
MODE	1	2	3																	
POWER ON	0	3.3	5.4																	
STANDBY	0	3.3	5.4																	

REF NO.	IC2010																			
MODE	1	2	3	4	5	6	7	8												
POWER ON	8.5	1.6	1.6	0	1.6	1.6	8.8	15.3												
STANDBY	8.5	1.6	1.6	0	1.6	1.6	8.8	15.3												

REF NO.	IC2011																			
MODE	1	2	3	4	5	6	7	8	9	10										
POWER ON	18.7	37.4	5.0	2.0	0.5	0	0.8	0.9	0	12.6										
STANDBY	18.7	37.4	4.5	2.2	0.5	0	0.8	0.8	0	12.6										

REF NO.	IC2012																			
MODE	1	2	3	4	5	6	7	8	9	10										
POWER ON	11.0	35.5	0	2.1	0.5	0	0	0	0	5.4										
STANDBY	11.0	35.5	0	2.1	0.5	0	0	0	0	5.4										

REF NO.	IC2501																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	11.7	11.7	1.2	3.3	1.6	1.6	3.1	3.3	0	0	0	0	7.8	1.6	1.6	1.6	3.3	3.3	0	0
STANDBY	11.7	11.7	1.2	3.3	1.6	1.6	3.1	3.3	0	0	0	0	7.8	1.6	1.6	1.6	3.3	3.3	0	0

REF NO.	IC2501																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	3.3	11.8	29.0	29.0	0	0	18.1	18.1	37.4	37.4	37.4	18.1	0	0	18.1	37.4	37.4	37.4	18.1	18.1
STANDBY	3.3	11.8	29.0	29.0	0	0	18.1	18.1	37.4	37.4	37.4	18.0	0	0	18.1	37.4	37.4	37.4	18.1	18.1

REF NO.	IC2501																			
MODE	41	42	43	44																
CD PLAY	0	0	29.0	29.0																
STANDBY	0	0	29.0	29.0																

REF NO.	IC2502																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	11.7	11.7	1.2	3.3	1.6	1.6	3.1	3.3	0	0	0	0	7.8	1.6	1.6	1.6	3.3	3.3	0	0
STANDBY	11.7	11.7	1.2	3.3	1.6	1.6	3.1	3.3	0	0	0	0	7.8	1.6	1.6	1.6	3.3	3.3	0	0

SA-AKX76LM-K MAIN P.C.B .

16.1.3. Main P.C.B. (3/6)

REF NO.	IC2502																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	11.8	29.0	29.0	0	0	18.1	18.1	37.4	37.4	37.4	18.1	0	0	18.1	37.4	37.4	37.4	18.1	18.1
STANDBY	0	11.8	29.0	29.0	0	0	18.1	18.1	37.4	37.4	37.4	18.0	0	0	18.1	37.4	37.4	37.4	18.1	18.1

REF NO.	IC2502																			
MODE	41	42	43	44																
CD PLAY	0	0	29.0	29.0																
STANDBY	0	0	29.0	29.0																

REF NO.	IC2503																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	11.7	11.7	1.2	3.3	1.6	1.6	3.1	3.3	0	0	0	0	7.8	1.6	1.6	1.6	3.3	3.3	0	0
STANDBY	11.7	11.7	1.2	3.3	1.6	1.6	3.1	3.3	0	0	0	0	7.8	1.6	1.6	1.6	3.3	3.3	0	0

REF NO.	IC2503																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	11.8	29.0	29.0	0	0	18.1	18.1	37.4	37.4	37.4	18.1	0	0	18.1	37.4	37.4	37.4	18.1	18.1
STANDBY	0	11.8	29.0	29.0	0	0	18.1	18.1	37.4	37.4	37.4	18.1	0	0	18.1	37.4	37.4	37.4	18.1	18.1

REF NO.	IC2503																			
MODE	41	42	43	44																
CD PLAY	0	0	29.0	29.0																
STANDBY	0	0	29.0	29.0																

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	1.3	1.1	1.2	1.2	1.3	3.2	1.2	0	3.2	3.2	3.2	0	0	0	0	0	3.2	0	0
STANDBY	3.2	1.3	1.1	1.2	1.2	1.3	3.2	1.2	0	3.2	3.2	3.2	0	0	0	0	0	3.2	0	0

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	0	0	0	0	3.2	3.2	1.3	3.2	3.2	3.2	3.2	3.2	0.6	3.0	3.2	0	1.2	1.2	1.2	0.8
STANDBY	0	0	0	0	3.2	3.2	1.3	3.2	3.2	3.2	3.2	3.2	0.6	3.0	3.2	0	1.2	1.2	1.2	0.8

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	0	0	0.8	0.8	3.2	0	1.2	1.7	1.7	1.5	0	1.5	1.6	3.3	1.6	1.6	1.9	0	1.7	1.7
STANDBY	0	0	0.8	0.8	3.2	0	1.2	1.7	1.7	1.5	0	1.5	1.6	3.3	1.6	1.6	1.9	0	1.7	1.7

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	1.7	3.2	0	3.3	3.2	3.2	0.8	1.0	0	1.0	1.2	1.6	1.6	1.4	1.4	0.4	0	3.3	3.3	0
STANDBY	1.7	3.2	0	3.3	3.2	3.2	0.8	1.0	0	1.0	1.2	1.6	1.6	1.4	1.4	0.4	0	3.3	3.3	0

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	3.3	1.2	1.2	0	3.3	0	0	0	1.6	3.2	0	0	0
STANDBY	0	0	0	0	0	0	1.2	3.3	1.2	1.2	0	3.3	0	0	0	1.6	3.2	0	0	0

SA-AKX76LM-K MAIN P.C.B .

16.1.4. Main P.C.B. (4/6)

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	3.2	3.1	3.0	3.2	3.1	3.1	0	0	0	3.2	3.1	3.0	1.6	1.4	0.8	1.0	3.2	3.2
STANDBY	1.2	0	3.2	3.1	3.0	3.2	3.1	3.1	0	0	0	3.2	3.1	3.0	1.6	1.4	0.8	1.0	3.2	3.2

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	3.0	3.2	3.0	0	0	3.2	3.0	0	3.2	0	0	3.2	0	1.6	1.6	1.6	0	0
STANDBY	1.2	0	3.0	3.2	3.0	0	0	3.2	3.0	0	3.2	0	0	3.2	0	1.6	1.6	1.6	0	0

REF NO.	IC8001																			
MODE	141	142	143	144																
CD PLAY	0	1.0	1.1	1.1																
STANDBY	0	1.0	1.1	1.1																

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	1.3	0	0.6	1.2	3.3	1.4	1.3	0	1.4	0.8	3.3	3.2	3.3	3.2	3.2	0	0	0
STANDBY	3.3	0	0	0	0	0	3.3	0	0	0	0	0	3.3	3.3	3.3	3.3	3.3	0	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	1.8	1.8	1.6	3.3	0	1.7	1.7	1.7	1.7	3.3	3.3	0	3.3	1.4	3.3	0	3.3	0.5	0.6
STANDBY	0	0	3.3	0	3.3	0	3.3	3.3	0	3.3	3.3	3.3	0	3.3	1.4	3.3	0	3.3	0	0

REF NO.	IC8051																			
MODE	41	42	43	44	45	46	47	48	49	50										
CD PLAY	0	0	0.6	3.3	1.3	0.6	0	0.6	1.3	0										
STANDBY	0	0	0	3.3	0	0	0	0	0	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	1.7	0	0	0	0	3.3	3.3	5.6	0	0	2.9	2.9	2.7	3.0	2.8	2.9	2.3	3.3	5.6	0
STANDBY	1.7	0	0	0	0	3.3	3.3	5.6	0	0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	5.6	0

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

REF NO.	IC8401																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	1.6	2.4	3.3	0	3.2	0.9	3.3	3.3												
STANDBY	2.3	2.8	3.3	0	3.2	0.5	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	1.0	1.2	1.2	1.2	0	0	3.3	0	0	0	0	0	0	0	1.2	0	0	0	0
STANDBY	0	1.0	1.2	1.2	1.2	0	0	3.3	0	0	0	0	0	0	0	1.2	0	0	0	0

SA-AKX76LM-K MAIN P.C.B .

16.1.5. Main P.C.B. (5/6)

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	3.3	0	0	0	0	0	0	0	0	0	0	0	3.3	3.3	3.3	0	0	0	0
STANDBY	0	3.3	0	0	0	0	0	0	0	0	0	0	0	3.3	3.3	3.3	0	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	0	0	0	0	0	0	0	0	0	0	0	0	3.3	0	0	0	0	0	0
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0	3.3	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	3.3	3.3	3.3	3.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STANDBY	0	3.3	3.3	3.3	3.3	0	0	0	0	0	0	0	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	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0	0	0	0	3.3	0	0
STANDBY	0	0	0	0	0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0	0	0	0	3.3	0	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	3.3	0	0	0	0	3.3	3.3	3.3	0	0	0	0	0	0	3.3	3.3	3.3	0	0	0
STANDBY	3.3	0	0	0	0	3.3	3.3	3.3	0	0	0	0	0	0	3.3	3.3	3.3	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	3.3	0	0	0	0	0	3.3	3.3	0	0	0	0	0	0	3.3	0	0	0	0
STANDBY	0	3.3	0	0	0	0	0	3.3	3.3	0	0	0	0	0	0	3.3	0	0	0	0

REF NO.	IC8501																			
MODE	141	142	143	144	145	146	147	148	149	150	151	152	153							
CD PLAY	0	3.3	0	3.3	0	0	0	0	0	3.3	0	0	0							
STANDBY	0	3.3	0	3.3	0	0	0	0	0	3.3	0	0	0							

REF NO.	Q2001				Q2002				Q2003				Q2004				Q2006			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
POWER ON	0	3.3	0		7.8	15.3	8.4		15.3	0	15.3		0	3.3	0		0	11.6	1.0	
STANDBY	0	3.3	0		7.8	15.3	8.4		15.4	0	15.3		0	3.3	0		0	11.6	1.0	

REF NO.	Q2008				Q2010				Q2012				Q2022				Q2024			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
POWER ON	0	0	11.6		0	3.3	0		0	12.2	0.8		12.3	15.4	12.9		0	1.8	30.0	
STANDBY	0	0	11.6		0	3.2	0		0	12.2	0.8		12.3	15.4	12.9		0	1.8	30.0	

REF NO.	Q2631				Q2632				Q2633				Q2634				Q3301			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
POWER ON	18.1	37.4	18.1		18.1	37.4	18.1		0	3.3	0		37.4	0	37.3		0	0.5	0	
STANDBY	18.1	37.4	18.1		18.1	37.4	18.1		0	3.3	0		37.4	0	37.3		0	0.5	0	

SA-AKX76LM-K MAIN P.C.B

16.1.6. Main P.C.B. (6/6)

REF NO.	QR2001				QR2002				QR2003											
MODE	E	C	B		E	C	B		E	C	B									
POWER ON	0	0	3.3		0	3.3	0		0	3.3	0									
STANDBY	0	0	3.3		0	3.3	0		0	3.3	0									

REF NO.	Q2023				Q3200				Q3202				Q8201				QR102			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	0	0.6	0		0	12.0	1.0		0	12.0	1.2		3.1	0	2.4		5.1	0	5.4	
STANDBY	0	0.6	0		0	12.0	1.0		0	12.0	1.2		3.3	0	3.3		5.1	0	5.4	

REF NO.	QR3000				QR3102				QR3103				QR3104							
MODE	E	C	B		E	C	B		E	C	B		E	C	B					
CD PLAY	0	5.3	0		0	5.0	5.0		0	5.0	5.0		0	5.0	2.0					
STANDBY	0	5.3	0		0	5.0	5.0		0	5.0	5.0		0	5.0	2.0					

SA-AKX76LM-K MAIN P.C.B .

16.1.7. 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
CD PLAY	0	0	0	0	1.9	0	0	0	0.7	0	0	0	3.3	-16.1	-14.1	-21.5	-21.5	-19.7	-21.5	-17.8
STANDBY	0	0	0	0	1.9	0	0	0	0.7	0	0	0	3.3	-16.1	-14.1	-21.5	-21.5	-19.7	-21.5	-17.8

REF NO.	IC6000																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	-19.5	-21.5	-23.4	-21.5	-15.9	-19.6	-17.8	-21.5	-21.5	-21.5	-21.5	-21.5	-21.5	-21.5	-21.5	-21.5	-21.5	-21.5	-21.5	-21.5
STANDBY	-19.5	-21.5	-23.4	-21.5	-15.9	-19.6	-17.8	-21.5	-21.5	-21.5	-21.5	-21.5	-21.5	-21.5	-21.5	-21.5	-21.5	-21.5	-21.5	-21.5

REF NO.	IC6000																			
MODE	41	42	43	44																
CD PLAY	-21.6	-21.9	3.3	0																
STANDBY	-21.6	-21.9	3.3	0																

REF NO.	Q6000				Q6001				QR6000				QR6003				QR6004			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	5.0	5.0	0		0	15.1	0		0	5.0	0		0	0	3.3		0	0	3.3	
STANDBY	5.0	5.0	0		0	15.1	0		0	5.0	0		0	0	3.3		0	0	3.3	

REF NO.	QR6005				QR6008															
MODE	E	C	B		E	C	B													
CD PLAY	0	0	5.0		0	0	1.0													
STANDBY	0	0	5.0		0	0	1.0													

SA-AKX76LM-K PANEL P.C.B .

16.1.8. SMPS P.C.B.

REF NO.	IC5701																			
MODE	1	2	3	4	5	6	7	8												
POWER ON	0	28.0	0	1.4	3.1	3.1	0	8.0												
STANDBY	0	28.0	0	1.4	3.1	3.1	0	8.0												

REF NO.	IC5790																			
MODE	1	2	3	4	5	6	7	8												
POWER ON	5.9	1.0	2.3	11.0	160.2	0	0	0												
STANDBY	5.9	1.0	2.3	11.0	160.2	0	0	0												

REF NO.	IC5801																			
MODE	K	A	R																	
POWER ON	32.0	0	2.5																	
STANDBY	32.0	0	2.5																	

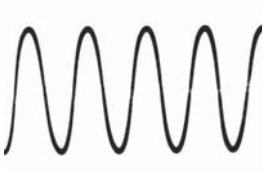
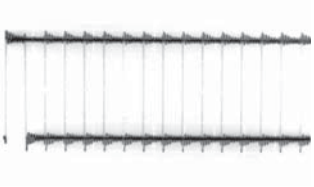
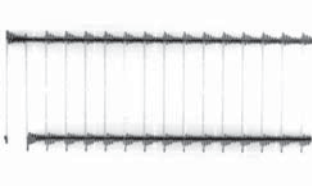
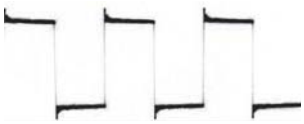
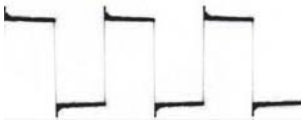
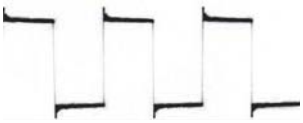
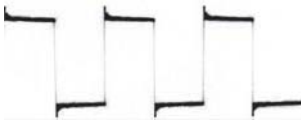
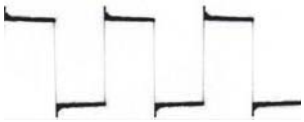
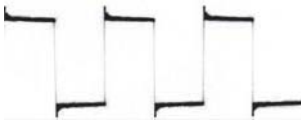
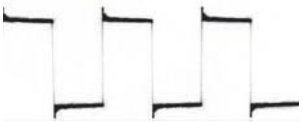
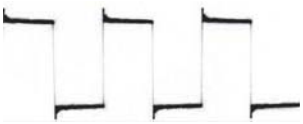
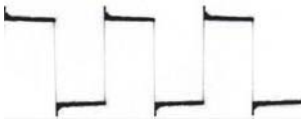
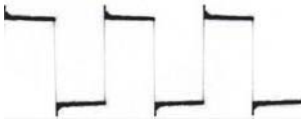
REF NO.	IC5899																			
MODE	K	A	R																	
POWER ON	32.0	0	2.5																	
STANDBY	32.0	0	2.5																	

REF NO.	Q5701				Q5711				Q5720				Q5721				Q5803			
MODE	S	D	G		E	C	B		E	C	B		E	C	B		E	C	B	
POWER ON	0	3.1	8.0		0	0	2.0		28.0	28.0	0		0	28.0	2.0		0	32.0	0.5	
STANDBY	0	3.1	8.0		0	0	2.0		28.0	28.0	0		0	28.0	2.0		0	32.0	0.5	

REF NO.	Q5898				QR5810															
MODE	E	C	B		E	C	B													
POWER ON	0	2.0	2.8		0	0	3.0													
STANDBY	0	2.0	2.8		0	0	3.0													

SA-AKX76LM-K SMPS P.C.B .

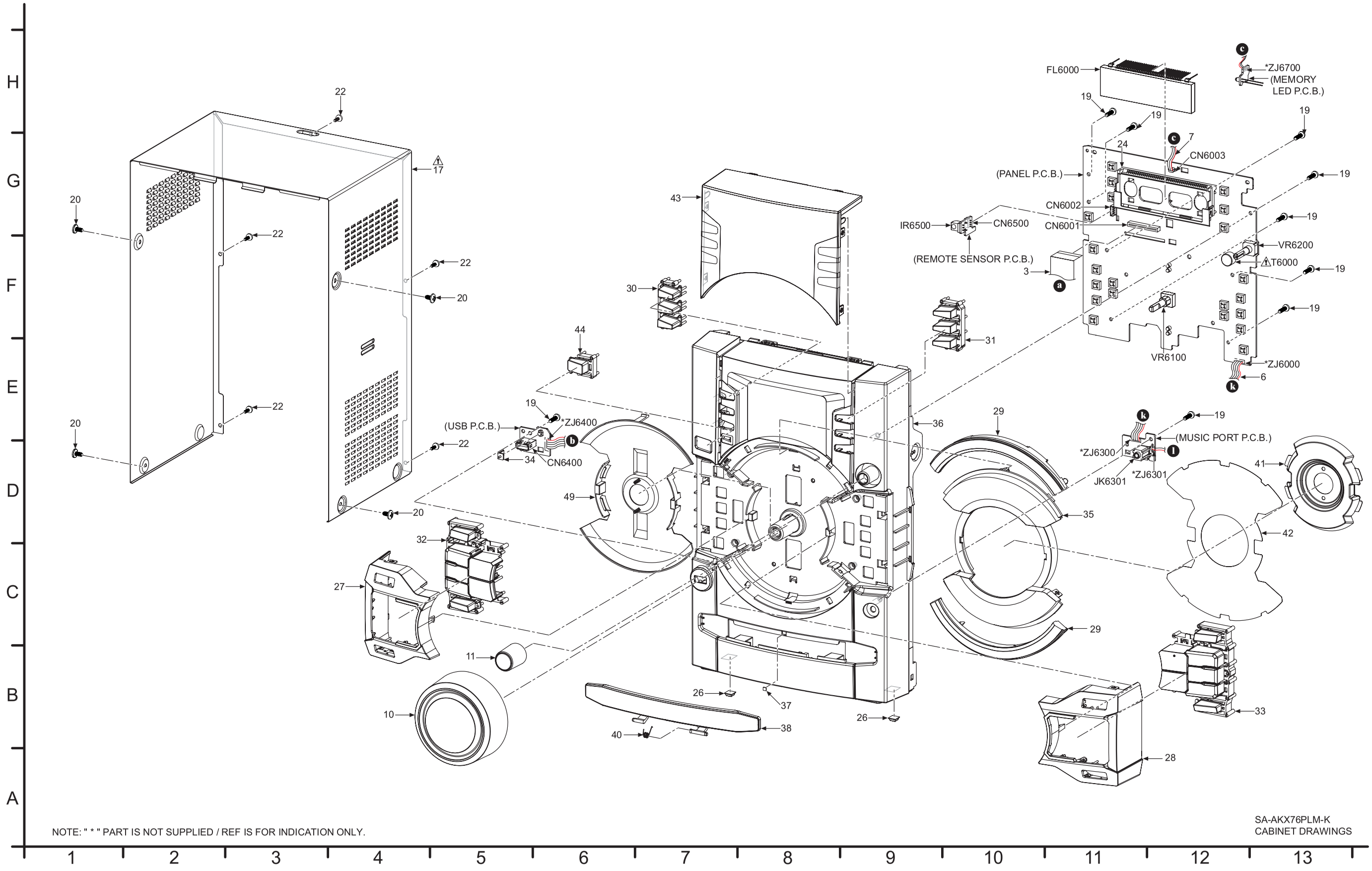
16.1.9. Waveform Table

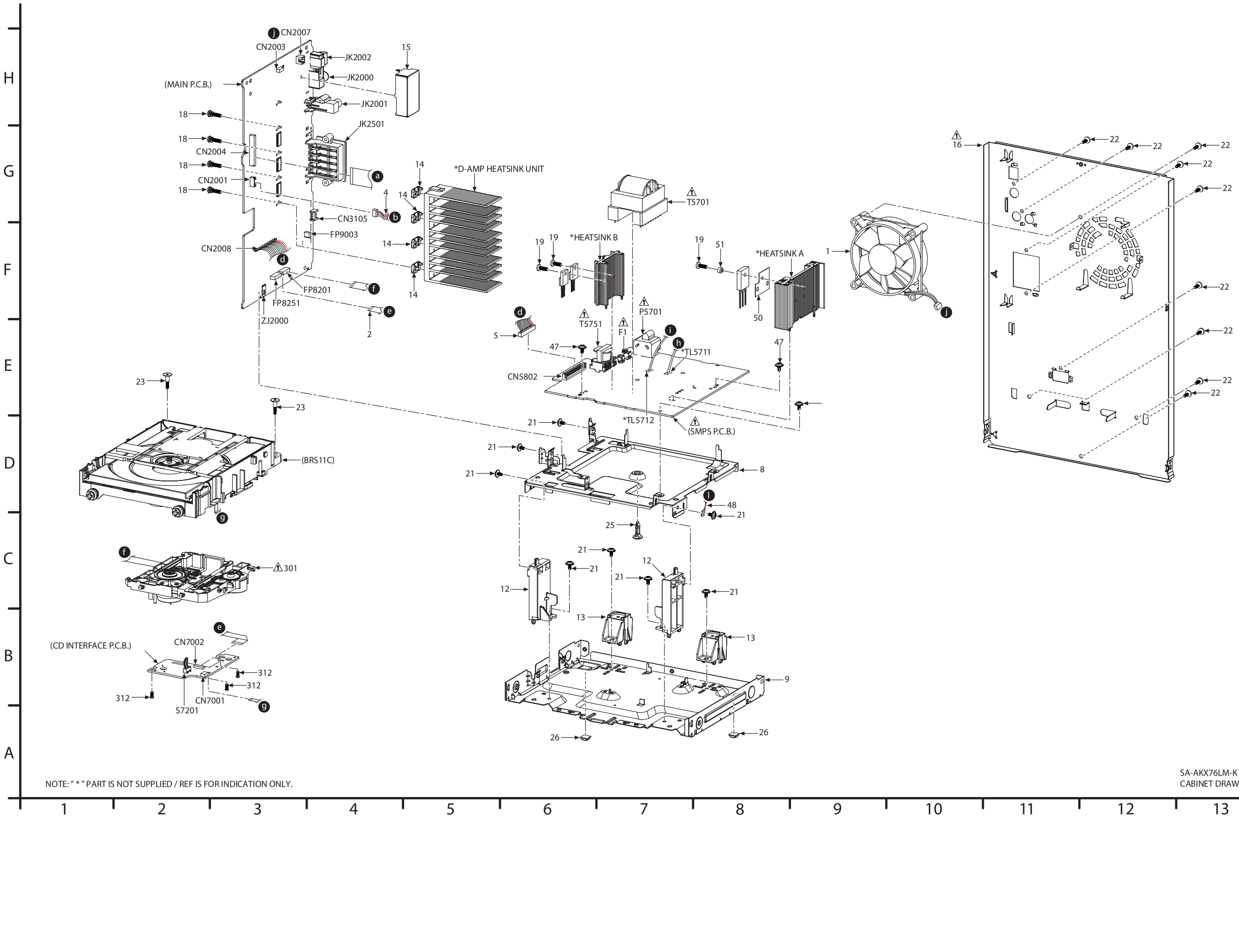
WF No. IC2006-12 (PLAY)  3.8Vp-p(50nsec/div)	WF No. IC2006-13 (PLAY)  4Vp-p(50nsec/div)	WF No. IC2006-15 (PLAY)  2Vp-p(10usec/div)	WF No. IC2006-16 (PLAY)  3.8Vp-p(10usec/div)
WF No. IC2008-24 (PLAY)  1.8Vp-p(50usec/div)	WF No. IC2008-27 (PLAY)  3.2Vp-p(1usec/div)	WF No. IC2008-38,39,40,41,42, 43,44,45,46,48, 49 (PLAY)  3.2Vp-p(1usec/div)	WF No. IC2501-5,6,14,15 (PLAY)  3.2Vp-p(1usec/div)
WF No. IC2501-27,28,32,35 (PLAY)  36Vp-p(500nsec/div)	WF No. IC2501-39,40 (PLAY)  36Vp-p(1usec/div)	WF No. IC2502-5,6,14,15 (PLAY)  3.2Vp-p(1usec/div)	WF No. IC2502-27,28,32,35 (PLAY)  36Vp-p(500nsec/div)
WF No. IC2502-39,40 (PLAY)  36Vp-p(1usec/div)	WF No. IC2503-5,6,14,15 (PLAY)  3.2Vp-p(1usec/div)	WF No. IC2503-27,28,32,35 (PLAY)  36Vp-p(500nsec/div)	WF No. IC2503-39,40 (PLAY)  36Vp-p(1usec/div)

17 Exploded View and Replacement Parts List

17.1. Exploded View and Mechanical replacement Part List

17.1.1. Cabinet Parts Location

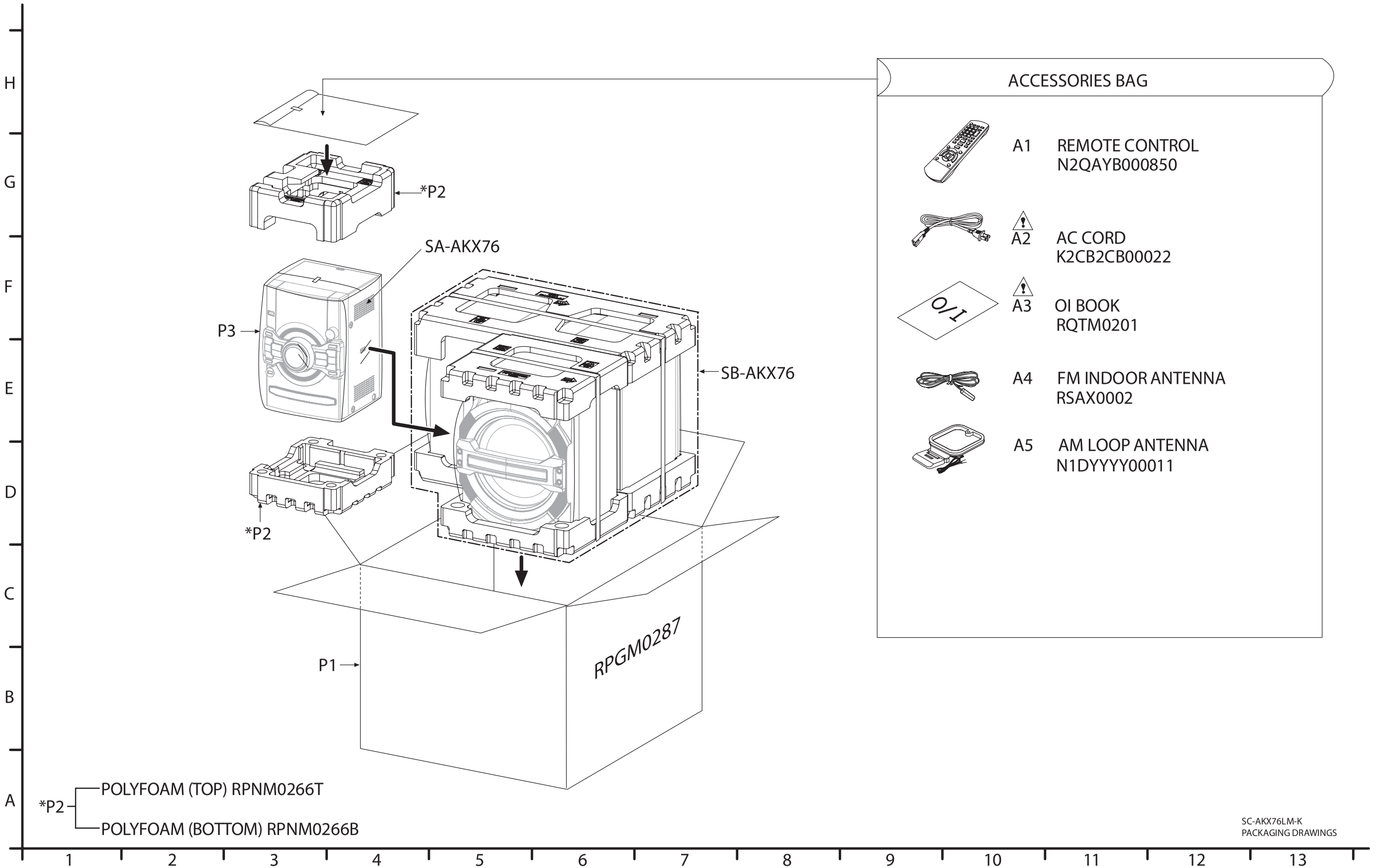




NOTE: " * " PART IS NOT SUPPLIED / REF IS FOR INDICATION ONLY.

SA-AKX76LM-K
CABINET DRAWINGS

17.1.2. Packaging



17.1.3. 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 PAVCJM unless indicated likewise.
- Reference for O/I book languages are as follows:

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

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
			CABINET AND CHASSIS		
	1	L6FALEFH0030	FAN UNIT	1	
	2	REE1730	10P FFC (MAIN-CD INTERFACE)	1	
	3	REE1761	30P FFC (MAIN-PANEL)	1	
	4	REX1589	5P CABLE WIRE (USB-MAIN)	1	
	5	REX1562-1	13P CABLE WIRE (SMPS-MAIN)	1	
	6	REX1587	5P CABLE WIRE (MUSIC PORT-PANEL)	1	
	7	REX1594	2P CABLE WIRE (MEMORY LED-PANEL)	1	
	8	RMK0841	INNER CHASSIS	1	
	9	RXKM0005A-1	BOTTOM CHASSIS	1	
	10	RGW0428-S1	VOLUME KNOB	1	
	11	RGW0435-K	SKIP KNOB	1	
	12	RMA2442	CHASSIS SUPPORT	2	
	13	RMQ2134	MECHA HOLDER	2	
	14	RMZX1022	HEATSINK SPACER	4	
	15	RSC1230	TUNER SHIELD	1	
⚠	16	RXTM0004D	REAR PANEL	1	
⚠	17	RKMX1011Z-KL1	TOP CABINET INBL	1	
⚠	17	RXRM0004	TOP CABINET BL	1	
	18	RHD26043-1	SCREW	4	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	19	RHD26046	SCREW	12	
	20	RHD30007-K2J	SCREW	4	
	21	RHD30111-31	SCREW	8	
	22	RHD30119-S	SCREW	14	
	23	RHDX031008	SCREW	2	
	24	RMNV0079-1	FL HOLDER	1	
	25	RMNX0298	PCB SPACER	1	
	26	RKAX0042-K	LEG CUSHION	4	
	27	RGK2479-SL	LEFT FUNCTION ORNAMENT	1	
	28	RGK2480-SL	RIGHT FUNCTION ORNAMENT	1	
	29	RGK2449-SL	RING ORNAMENT TOP/BOTTOM	2	
	30	RGU2851-SL	LEFT PLAYLIST BUTTON	1	
	31	RGU2852-SL	RIGHT PLAYLIST BUTTON	1	
	32	RGU2882A-SL	LEFT FUNCTION BUTTON	1	
	33	RGU2883-SL	RIGHT FUNCTION BUTTON	1	
	34	RGL0785-Q	USB REC LIGHT PCS	1	
	35	RKW1027-QL	CENTER ORNAMENT	1	
	36	RYPM0328	FRONT PANEL ASS'Y	1	
	37	RMGX0033A-K	CD LID CUSHION	1	
	38	RGK2438-KL	CD LID	1	
	40	RMB0930	CD LID SPRING	1	
	41	RGQ0741-W	VOULME LIGHT DIFFUSER	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	42	RGQ0744-W	VOLUME LIGHT SHEET	1	
	43	RKW1025-QL	FL WINDOW	1	
	44	RGU2848-KL	POWER BUTTON	1	
	47	RHDX30005-J	SCREW	3	
	48	REXX1159-1	2P GRD WIRE (MUSIC PORT - INNER CHASSIS)	1	
	49	RGC0050-WL	VOLUME LIGHT REFLECTOR	1	
	50	RMZ1362	IC INSULATION SHEET	1	
	51	RMZ1363	IN INSULATION TUBE	1	
			TRAVERSE DECK		
⚠		RD-DDL106-PX	BRS1.1C LOADER UN	1	
⚠	301	RAE1036Z-V	TRAVERSE ASS'Y	1	
	312	XTN2+6GFJ	SCREW	3	
			PACKING MATERI-ALS		
	P1	RPGM0287	PACKING CASE	1	
	P2	RPNM0266T/B	POLYFOAM	1	
	P3	RPFX0198-1	MIRAMAT	1	
			ACCESSORIES		
	A1	N2QAYB000850	REMOTE CONTROL	1	
⚠	A2	K2CB2CB00022	AC CORD	1	
⚠	A3	RQTM0201	O/I BOOK	1	
	A4	RSAX0002	FM INDOOR ANTENNA	1	
	A5	N1DYYYY00011	AM LOOP ANTENNA	1	

17.2. 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 PAVCJM unless indicated likewise.
- Parts mentioned [SPG] in the Remarks column are supplied by JAPAN.

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

Safety	Ref. No.	Part No.	Name & Dscription
		RD-DAK114-PX	RD MAIN PISTA COMPLETA PARA C DE SERV.
		RAIM13X760A	CONJUNTO SMPS 76 Pista completa para C de S.
		RAIM13X763A	CONJUNTO PANEL 76 Psta completa para C de S.
⚠		K5D802APA008	FUSIBLE
	D5801	B0ABSM000008	DIODO
	D5802	B0ABSM000008	DIODO
	D5701	B0FBBV000006	SWITCHING DIODES
⚠	DZ5701	D4EAY511A127	VARISTOR
	C5713	F0C3A4720001	CAPACITOR SMT
	C5703	F0CAF224A105	CAPACITOR
⚠	C5704	F1BAF471A013	CHIP CAPACITOR
⚠	C5705	F1BAF471A013	CHIP CAPACITOR
⚠	C5707	F1BAF471A013	CHIP CAPACITOR
⚠	C5708	F1BAF471A013	CHIP CAPACITOR
	C5808	F2A1H682C089	CAPACITOR ELECTROL
	C5712	F2B2E5610014	E CAP
⚠	L5702	G0B932H00003	COIL
⚠	T5751	G4DYZ0000064	SW TRANS
	CN5802	K1KA13AA0181	CONECTOR
	P5701	K2AB2B000007	AC INLET
	IC5790	MIP2F20MSSCF	Intelligent power device
	D5730	B0ECET000006	SWITCHING DIODES
	D5703	B0JCPD000025	DIODE
	D5702	B0ZBZ0000205	DIODE
	Q5711	B1ABCF000176	TRANSISTOR
	Q5898	B1ABCF000176	TRANSISTOR
	Q5721	B1ADCF000001	TRANSISTOR
	QR5810	B1GBCFLL0037	CHIP TRANSISTOR
⚠	PC5701	B3PBA0000579	OPTO ACOPLADOR
⚠	PC5702	B3PBA0000579	OPTO ACOPLADOR
⚠	PC5720	B3PBA0000579	OPTO ACOPLADOR
⚠	PC5799	B3PBA0000579	OPTO ACOPLADOR
	IC5701	C1ZBZ0004646	OTHER SPECIAL-PURPOSE ICS
	R5897	D0GB101JA065	CHIP RESISTOR
	R5723	D0GB102JA065	Surface mounting fixed resistors
	R5730	D0GB102JA065	Surface mounting fixed resistors
	R5909	D0GB102JA065	Surface mounting fixed resistors
	R5728	D0GB104JA065	CHIP RESISTOR
	R5814	D0GB104JA065	CHIP RESISTOR
	R5896	D0GB104JA065	CHIP RESISTOR
	R5894	D0GB151JA065	CHIP RESISTOR
	R5797	D0GB153JA065	CHIP RESISTOR
	R5895	D0GB153JA065	CHIP RESISTOR
	R5700	D0GB222JA065	CHIP RESISTOR
	R5890	D0GB222JA065	CHIP RESISTOR
	R5810	D0GB331JA065	CHIP RESISTOR
	R5710	D0GB394JA065	RESISTOR SMT
	R5733	D0GB473JA065	CHIP RESISTOR
	K4	D0GBR00J0004	Surface mounting fixed resistors , rect
	W5904	D0GBR00JA008	CHIP JUMPER
	R5732	D0GD101JA052	Surface mounting fixed resistors , rect
	R5721	D0GD103JA052	Surface mounting fixed resistors , rect
	R5729	D0GD103JA052	Surface mounting fixed resistors , rect
	R5724	D0GD121JA052	RESISTOR SMT
	R5722	D0GD122JA052	Resistencia fija de montaje superficial
	R5807	D0GD182JA052	RESISTOR
	R5720	D0GD220JA052	Surface mounting fixed resistors , rect
	R5798	D0GD220JA052	Surface mounting fixed resistors , rect
	R5808	D0GD222JA052	Surface mounting fixed resistors , rect
	R5795	D0GD474JA052	Surface mounting fixed resistors , rect
	R5706	D0GD824JA052	RESISTENCIA
	W5927	D0GDR00JA017	CHIP JUMPER
	W5930	D0GDR00JA017	CHIP JUMPER
	R5711	D0GF100JA048	Resistencia
	R5712	D0GF103JA048	RESISTOR SMT
	R5708	D0GF155JA048	RESISTOR SMT
	R5709	D0GF155JA048	RESISTOR SMT
	R5704	D0GF224JA048	RESISTOR SMT
	R5705	D0GF224JA048	RESISTOR SMT
	R5713	D0GF331JA048	RESISTOR SMT
	W5926	D0GFR00JA017	CHIP JUMPER
	R5702	D0GZ104JA012	CHIP RESISTOR FIX
	R5703	D0GZ104JA012	CHIP RESISTOR FIX
	R5715	D0GZ104JA012	CHIP RESISTOR FIX
	R5716	D0GZ104JA012	CHIP RESISTOR FIX
	R5717	D0GZ104JA012	CHIP RESISTOR FIX
	R5718	D0GZ104JA012	CHIP RESISTOR FIX
	R5892	D1BB1001A074	RESISTOR SMT PREC
	R5893	D1BB1002A074	RESISTOR SMT PREC
	R5898	D1BB1002A074	RESISTOR SMT PREC
	R5806	D1BB1502A074	RESISTOR SMT PREC
	R5891	D1BB3302A074	RESISTOR SMT PREC
	R5805	D1BB5601A074	RESISTOR SMT PREC
	R5802	D1BB8202A074	RESISTOR SMT PREC
	R5865	D1BD1800A066	RESISTOR SMT PREC
	TH5861	D4CCY1040001	THERMISTOR
	D5723	DA2J10100L	DIODE
	D5724	DA2J10100L	DIODE
	D5727	DA2J10100L	DIODE

Safety	Ref. No.	Part No.	Name & Dscription
	D5728	DA2J10100L	DIODE
	D5725	DZ2J062M0L	DIODO
	D5795	DZ2J091M0L	DIODO
	D5721	DZ2J180M0L	DIODE
	D5722	DZ2J200M0L	Voltage regulation diodes
	D5732	DZ2J360M0L	Voltage regulation diodes
	C5730	F1H1E105A153	urface mounting multilayer ceramic capa
	C5720	F1H1H101B052	CHIP CAPACITOR
	C5709	F1H1H102B047	Surface mounting multilayer ceramic capa
	C5722	F1H1H102B047	Surface mounting multilayer ceramic capa
	C5728	F1H1H102B047	Surface mounting multilayer ceramic capa
	C5794	F1H1H102B047	Surface mounting multilayer ceramic capa
	C5897	F1H1H103B047	Surface mounting multilayer ceramic
	C5725	F1H1H104B047	Surface mounting multilayer ceramic capa
	C5726	F1H1H104B047	Surface mounting multilayer ceramic capa
	C5796	F1H1H104B047	Surface mounting multilayer ceramic capa
	C5812	F1H1H104B047	Surface mounting multilayer ceramic capa
	C5818	F1H1H104B047	Surface mounting multilayer ceramic capa
	C5832	F1H1H104B047	Surface mounting multilayer ceramic capa
	C5895	F1H1H104B047	Surface mounting multilayer ceramic capa
	C5896	F1H1H104B047	Surface mounting multilayer ceramic capa
	C5898	F1H1H104B047	Surface mounting multilayer ceramic capa
	C5721	F1H1H221B047	CHIP CAPACITOR
	C5723	F1H1H471A219	CHIP CAPACITOR
	C5900	F1J1A106A043	CHIP CAPACITOR
	C5795	F1K1H105A251	CHIP CAPACITOR
	L5704	J0JAC0000018	FILTER COIL EMC
	D5726	B0EAMM000057	DIODO
	D5729	B0EAMM000057	DIODO
	D5731	B0EAMM000057	DIODO
	D5798	B0EAMM000057	DIODO
	D5896	B0EAMM000057	DIODO
	Q5720	B1BABG000007	TRANSISTOR
	Q5803	B1BABG000007	TRANSISTOR
	IC5801	C0DAZYY00039	ICS FOR POWER SUPPLY
	IC5899	C0DAZYY00039	ICS FOR POWER SUPPLY
	R5901	ERG2SJ471E	METAL OXIDE FILM RESISTOR
	R5902	ERG2SJ471E	METAL OXIDE FILM RESISTOR
	R5903	ERG2SJ471E	METAL OXIDE FILM RESISTOR
	R5904	ERG2SJ471E	METAL OXIDE FILM RESISTOR
	R5905	ERG2SJ471E	METAL OXIDE FILM RESISTOR
	R5906	ERG2SJ471E	METAL OXIDE FILM RESISTOR
	R5907	ERG2SJ471E	METAL OXIDE FILM RESISTOR
	R5908	ERG2SJ471E	METAL OXIDE FILM RESISTOR
	C5899	F2A1A221B161	CAPACITOR
	C5798	F2A1E221B422	CAPACITOR
	C5813	F2A1H331B416	CAPACITOR ELECTROL
	C5724	F2A1H5600009	CHIP CAPACITOR
	C5817	F2A1HR10B411	CAPACITOR ELECTROL
	L5801	G0C220KA0174	COIL
	ZA5701	K3GE1ZZ00001	PORTAFUSIBLE
	ZA5702	K3GE1ZZ00001	PORTAFUSIBLE
⚠	ZH003	RJB3682A	PCB
	W5518	TPC-0.60	Alambre Jumper
	W5909	TPC-0.60	Alambre Jumper
	W5910	TPC-0.60	Alambre Jumper
	W5919	TPC-0.60	Alambre Jumper
	W5920	TPC-0.60	Alambre Jumper
	W5921	TPC-0.60	Alambre Jumper
	W5508	TPC-0.60	Alambre Jumper
	W5514	TPC-0.60	Alambre Jumper
	W5908	TPC-0.60	Alambre Jumper
	W5912	TPC-0.60	Alambre Jumper
	W5517	TPC-0.60	Alambre Jumper
	W5532	TPC-0.60	Alambre Jumper
	W5906	TPC-0.60	Alambre Jumper
	W5911	TPC-0.60	Alambre Jumper
	W5509	TPC-0.60	Alambre Jumper
	W5510	TPC-0.60	Alambre Jumper
	W5918	TPC-0.60	Alambre Jumper
	W5931	TPC-0.60	Alambre Jumper
	W5519	TPC-0.60	Alambre Jumper
	W5524	TPC-0.60	Alambre Jumper
	W5905	TPC-0.60	Alambre Jumper
	K12	TPC-0.60	Alambre Jumper
	W5528	TPC-0.60	Alambre Jumper
	W5529	TPC-0.60	Alambre Jumper
	W5530	TPC-0.60	Alambre Jumper
	W5531	TPC-0.60	Alambre Jumper
	W5916	TPC-0.60	Alambre Jumper
	W5521	TPC-0.60	Alambre Jumper
	W5522	TPC-0.60	Alambre Jumper
	W5922	TPC-0.60	Alambre Jumper
	W5925	TPC-0.60	Alambre Jumper
	W5932	TPC-0.60	Alambre Jumper
	K5701	TPC-0.60	Alambre Jumper
	K5702	TPC-0.60	Alambre Jumper
	K5712	TPC-0.60	Alambre Jumper
	D5793	B0HAMP000094	DIODO

	C5800	D0GDR00J0004	Surface mounting fixed resistors , rect
	C5826	D0GDR00J0004	Surface mounting fixed resistors , rect
	C5839	F1K2J1030001	CAPACITOR SMT
	C5842	F1K2J1030001	CAPACITOR SMT
	C5790	F1K2J2220002	CHIP CAPACITOR
⚠	C5701	F0CAF104A105	CAPACITOR
	Q5701	B1DEHU000002	OTHER SPECIAL-PURPOSE ICS
⚠	T5701	G4DYZ0000070	SW TRANS
	C5711	F2B2E5610014	E CAP
	C5737	F1B3D272A084	E-CAP
	R5714	ERX2SZJR18P	RESISTOR
	R5727	ERX2SZJR18P	RESISTOR
	FL6000	A2BB00000184	FLUORESCENT CHARACTER DISPLAY TUBES
	VR6100	EVEKE2F3524B	CONTROL DE VOLUMEN
	T6000	G4DYA0000214	Small transformer
	CN6002	K1KA04A00553	CONECTOR 4 PINES MACHO
	CN6001	K1MY30AA0124	CONECTOR 30 PIN
	VR6200	K9AA012Y0012	ENCODER
	ZB6000	RMNV0079-1	FL HOLDER
	CN6400	K1FY104A0034	USB CONECTOR
	JK6301	K2HC103A0031	HEADPHONE JECK
	IR6500	B3RAB0000110	SENSOR
	CN6500	K1KB04B00043	CONECTOR 4 PINES EMBRA
	R6023	D0GB823JA008	CHIP RESISTENCIA
	D6009	DZ2JJ24000L	DIODO
	C6101	F1H1H101B052	CHIP CAPACITOR
	C6102	F1H1H101B052	CHIP CAPACITOR
	C6201	F1H1H101B052	CHIP CAPACITOR
	C6202	F1H1H101B052	CHIP CAPACITOR
	C6011	F1H1H102A219	CHIP CAPACITOR
	C6003	F1H1H102B047	Surface mounting multilayer ceramic capa
	C6004	F1H1H102B047	Surface mounting multilayer ceramic capa
	C6005	F1H1H102B047	Surface mounting multilayer ceramic capa
	C6006	F1H1H102B047	Surface mounting multilayer ceramic capa
	C6007	F1H1H102B047	Surface mounting multilayer ceramic capa
	C6009	F1H1H102B047	Surface mounting multilayer ceramic capa
	C6013	F1H1H102B047	Surface mounting multilayer ceramic capa
	C6014	F1H1H102B047	Surface mounting multilayer ceramic capa
	C6015	F1H1H102B047	Surface mounting multilayer ceramic capa
	C6016	F1H1H102B047	Surface mounting multilayer ceramic capa
	C6018	F1H1H102B047	Surface mounting multilayer ceramic capa
	C6017	F1H1H103A219	CHIP CAPACITOR
	C6002	F1H1H104B047	Surface mounting multilayer ceramic capa
	C6025	F1H1H104B047	Surface mounting multilayer ceramic capa
	C6022	F1H1H472A219	CHIP CAPACITOR
	L6000	J0JBC0000019	CHIP INDUCTOR
	D6006	B0BC033A0282	DIODE REG
	D6012	B0BC2R4A0006	ZENER DIODE
	IC6000	C0HBB0000057	FL DRIVER IC
	R6032	D0GB100JA008	CHIP RESISTOR
	R6002	D0GB101JA008	CHIP RESISTOR
	R6013	D0GB103JA008	CHIP RESISTOR
	R6109	D0GB103JA008	CHIP RESISTOR
	R6110	D0GB103JA008	CHIP RESISTOR
	R6111	D0GB103JA008	CHIP RESISTOR
	R6208	D0GB103JA008	CHIP RESISTOR
	R6209	D0GB103JA008	CHIP RESISTOR
	R6211	D0GB103JA008	CHIP RESISTOR
	R6006	D0GB122JA008	CHIP RESISTOR
	R6100	D0GB122JA008	CHIP RESISTOR
	R6200	D0GB122JA008	CHIP RESISTOR
	R6007	D0GB152JA008	CHIP RESISTOR
	R6101	D0GB152JA008	CHIP RESISTOR
	R6201	D0GB152JA008	CHIP RESISTOR
	R6204	D0GB153JA008	CHIP RESISTENCIA
	R6003	D0GB181JA008	CHIP RESISTENCIA
	R6005	D0GB181JA008	CHIP RESISTENCIA
	R6028	D0GB1R0JA008	CHIP RESISTENCIA
	R6030	D0GB1R0JA008	CHIP RESISTENCIA
	R6026	D0GB220JA008	CHIP RESISTENCIA
	R6008	D0GB222JA008	RESISTENCIA CHIP
	R6102	D0GB222JA008	RESISTENCIA CHIP
	R6202	D0GB222JA008	RESISTENCIA CHIP
	R6033	D0GB223JA008	CHIP RESISTOR
	R6000	D0GB272JA008	CHIP RESISTENCIA
	R6009	D0GB332JA008	CHIP RESISTENCIA
	R6103	D0GB332JA008	CHIP RESISTENCIA
	R6203	D0GB332JA008	CHIP RESISTENCIA
	R6001	D0GB470JA008	CHIP RESISTOR
	R6010	D0GB472JA008	CHIP RESISTOR
	R6104	D0GB472JA008	CHIP RESISTOR
	R6206	D0GB472JA008	CHIP RESISTOR
	R6029	D0GB473JA008	1HIP RESISTOR
	R6210	D0GB473JA008	1HIP RESISTOR
	R6025	D0GB562JA008	CHIP RESISTOR
	R6004	D0GB681JA008	CHIP RESISTENCIA
	R6207	D0GB682JA008	CHIP RESISTOR
	R6012	D0GB331JA008	CHIP RESISTOR
	R6011	D0GBR00JA008	CHIP JUMPER
	R6019	D0GBR00JA008	CHIP JUMPER
	R6021	D0GBR00JA008	CHIP JUMPER
	W1002	D0GBR00JA008	CHIP JUMPER
	W1004	D0GBR00JA008	CHIP JUMPER
	W1020	D0GBR00JA008	CHIP JUMPER
	W1040	D0GBR00JA008	CHIP JUMPER
	W1049	D0GBR00JA008	CHIP JUMPER

	W1003	D0GDR00JA017	CHIP JUMPER
	W1009	D0GDR00JA017	CHIP JUMPER
	W1014	D0GDR00JA017	CHIP JUMPER
	W1035	D0GDR00JA017	CHIP JUMPER
	W1039	D0GDR00JA017	CHIP JUMPER
	W1051	D0GDR00JA017	CHIP JUMPER
	W1005	D0GFR00JA017	CHIP JUMPER
	W1006	D0GFR00JA017	CHIP JUMPER
	W1007	D0GFR00JA017	CHIP JUMPER
	W1008	D0GFR00JA017	CHIP JUMPER
	W1010	D0GFR00JA017	CHIP JUMPER
	W1011	D0GFR00JA017	CHIP JUMPER
	W1012	D0GFR00JA017	CHIP JUMPER
	W1013	D0GFR00JA017	CHIP JUMPER
	W1015	D0GFR00JA017	CHIP JUMPER
	W1017	D0GFR00JA017	CHIP JUMPER
	W1018	D0GFR00JA017	CHIP JUMPER
	W1023	D0GFR00JA017	CHIP JUMPER
	W1025	D0GFR00JA017	CHIP JUMPER
	W1026	D0GFR00JA017	CHIP JUMPER
	W1027	D0GFR00JA017	CHIP JUMPER
	W1030	D0GFR00JA017	CHIP JUMPER
	W1033	D0GFR00JA017	CHIP JUMPER
	W1034	D0GFR00JA017	CHIP JUMPER
	W1041	D0GFR00JA017	CHIP JUMPER
	W1042	D0GFR00JA017	CHIP JUMPER
	W1043	D0GFR00JA017	CHIP JUMPER
	W1044	D0GFR00JA017	CHIP JUMPER
	W1045	D0GFR00JA017	CHIP JUMPER
	W1046	D0GFR00JA017	CHIP JUMPER
	W1047	D0GFR00JA017	CHIP JUMPER
	W1048	D0GFR00JA017	CHIP JUMPER
	W1050	D0GFR00JA017	CHIP JUMPER
	W1059	D0GFR00JA017	CHIP JUMPER
	W1060	D0GFR00JA017	CHIP JUMPER
	W1061	D0GFR00JA017	CHIP JUMPER
	W1062	D0GFR00JA017	CHIP JUMPER
	W1063	D0GFR00JA017	CHIP JUMPER
	W1065	D0GFR00JA017	CHIP JUMPER
	QR6000	B1GBCFJJ0051	TRANSISTOR
	QR6003	B1GBCFJJ0051	TRANSISTOR
	QR6004	B1GBCFJJ0051	TRANSISTOR
	QR6005	B1GBCFJJ0051	TRANSISTOR
	QR6008	B1GBCFJJ0051	TRANSISTOR
	R6017	D0GB471JA008	CHIP RESISTOR
	R6016	D0GB221JA007	CHIP RESISTOR
	R6018	D0GB221JA007	CHIP RESISTOR
	W300	D0GBR00JA008	CHIP JUMPER
	C6320	F1H1H103B047	Surface mounting multilayer ceramic
	C6321	F1H1H103B047	Surface mounting multilayer ceramic
	C6317	F1H1H104B047	Surface mounting multilayer ceramic capa
	C6322	F1H1H104B047	Surface mounting multilayer ceramic capa
	L6300	J0JBC0000019	CHIP INDUCTOR
	L6301	J0JBC0000019	CHIP INDUCTOR
	L6302	J0JBC0000019	CHIP INDUCTOR
	C6500	F1H1H101B052	CHIP CAPACITOR
	C6501	F1H1H102A219	CHIP CAPACITOR
	D6007	B0EAMM000057	DIODO
	D6010	B0EAMM000057	DIODO
	D6008	B0JAME000114	DIODO
	Q6001	B1ABMG000008	TRANSISTOR
	Q6000	B1BABG000007	TRANSISTOR
	S6000	EVQ21405RJ	TACK SWITCH
	S6001	EVQ21405RJ	TACK SWITCH
	S6002	EVQ21405RJ	TACK SWITCH
	S6003	EVQ21405RJ	TACK SWITCH
	S6004	EVQ21405RJ	TACK SWITCH
	S6006	EVQ21405RJ	TACK SWITCH
	S6012	EVQ21405RJ	TACK SWITCH
	S6100	EVQ21405RJ	TACK SWITCH
	S6101	EVQ21405RJ	TACK SWITCH
	S6103	EVQ21405RJ	TACK SWITCH
	S6104	EVQ21405RJ	TACK SWITCH
	S6105	EVQ21405RJ	TACK SWITCH
	S6107	EVQ21405RJ	TACK SWITCH
	S6200	EVQ21405RJ	TACK SWITCH
	S6201	EVQ21405RJ	TACK SWITCH
	S6202	EVQ21405RJ	TACK SWITCH
	S6203	EVQ21405RJ	TACK SWITCH
	S6204	EVQ21405RJ	TACK SWITCH
	S6206	EVQ21405RJ	TACK SWITCH
	S6207	EVQ21405RJ	TACK SWITCH
	S6208	EVQ21405RJ	TACK SWITCH
	C6024	F2A1C101A115	E CAP
	C6021	F2A1E221B422	CAPACITOR
	C6026	F2A1H220B411	CAPACITOR
	C6023	F2A1H470B412	E-cap
	D6102	B3AAA0001129	LED
	D6105	B3AAA0001129	LED
	D6400	B3AAA0000487	LED
	D6700	B3AAA0001129	LED
		RJB3646B	PCB
	D6101	B3AEA0000172	LED
	D6103	B3ABA0000905	LED
	D6104	B3ABA0000905	LED
	D6106	B3AEA0000172	LED

	D6107	B0EAMM000057	DIODO
	C6502	F2A1C330B453	E-CAP
	R6105	ERJ3GEYJ151V	RESISTENCIA CHIP PELƎCULA
	R6107	ERJ3GEYJ151V	RESISTENCIA CHIP PELƎCULA
	R6112	ERJ3GEYJ391V	RESISTENCIA CHIP PELƎCULA
	R6114	ERJ3GEYJ181V	RESISTENCIA
	R6120	ERJ3GEYJ391V	RESISTENCIA CHIP PELƎCULA
	R6125	ERJ3GEY0R00V	CHIP JUMPER
	W1070	ERJ8GEY0R00V	CHIP JUMPER
	W1071	ERJ8GEY0R00V	CHIP JUMPER
	W1072	ERJ6GEY0R00V	CHIP JUMPER
	W1073	ERJ8GEY0R00V	CHIP JUMPER
	W1074	ERJ8GEY0R00V	CHIP JUMPER
	W1075	ERJ6GEY0R00V	CHIP JUMPER
	W1076	ERJ8GEY0R00V	CHIP JUMPER
	W1077	ERJ8GEY0R00V	CHIP JUMPER
	W1078	ERJ8GEY0R00V	CHIP JUMPER
	W1079	ERJ8GEY0R00V	CHIP JUMPER
	W1080	ERJ8GEY0R00V	CHIP JUMPER
	W1081	ERJ8GEY0R00V	CHIP JUMPER
	W1082	ERJ8GEY0R00V	CHIP JUMPER
	W1083	ERJ6GEY0R00V	CHIP JUMPER
	W1084	ERJ3GEY0R00V	CHIP JUMPER
	W1126	ERJ8GEY0R00V	CHIP JUMPER
	W1129	ERJ3GEY0R00V	CHIP JUMPER
	W1131	ERJ6GEY0R00V	CHIP JUMPER
	W1133	ERJ8GEY0R00V	CHIP JUMPER
	W1134	ERJ8GEY0R00V	CHIP JUMPER
	W1135	ERJ8GEY0R00V	CHIP JUMPER
	W1136	ERJ6GEY0R00V	CHIP JUMPER
	C6008	F1H1H331B052	CAPACITOR SMT
	C6010	F1H1H331B052	CAPACITOR SMT
	C6012	F1H1H331B052	CAPACITOR SMT
	C6318	F1H1H331B052	CAPACITOR SMT
	C6319	F1H1H331B052	CAPACITOR SMT
	C6323	F1H1H391A889	CAPACITOR SMT
	R6113	ERJ3GEYJ221V	RESISTENCIA CHIP PELƎCULA
	R6122	ERJ3GEYJ221V	RESISTENCIA CHIP PELƎCULA
	W1137	ERJ8GEY0R00V	CHIP JUMPER
	W1138	ERJ6GEY0R00V	CHIP JUMPER
	W1139	ERJ8GEY0R00V	CHIP JUMPER
	W1001	D0GDR00JA017	CHIP JUMPER
	W1022	D0GFR00JA017	CHIP JUMPER
	W1024	D0GDR00JA017	CHIP JUMPER
	W1064	D0GBR00JA008	CHIP JUMPER
	W1058	D0GDR00JA017	CHIP JUMPER
	CN6003	K1YZ02000015	2P WIRE HOLDER