

Service Manual

Wireless Speaker System

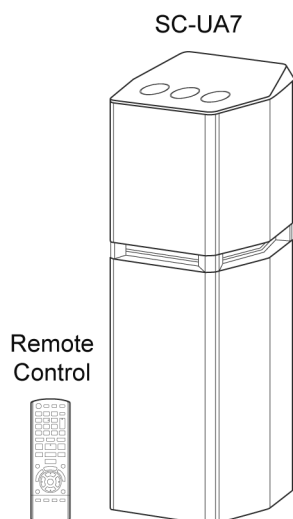
Model No. **SC-UA7E**

SC-UA7PC

SC-UA7PH

SC-UA7PR

Product Color: (K)...Black Type



WARNING

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

IMPORTANT SAFETY NOTICE

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

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1 Safety Precautions

1.1. General Guidelines

1. IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by Δ 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.

1. 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.
2. 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.
3. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
4. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

(This "Safety Precaution" is applied only in U.S.A.)

1. Before servicing, unplug the power cord to prevent an electric shock.
2. When replacing parts, use only manufacturer's recommended components for safety.
3. Check the condition of the power cord. Replace if wear or damage is evident.
4. After servicing, be sure to restore the lead dress, insulation barriers, insulation papers, shields, etc.
5. Before returning the serviced equipment to the customer, be sure to make the following insulation resistance test to prevent the customer from being exposed to a shock hazard.

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 $1M\Omega$ and $5.2M\Omega$.

When the exposed metal does not have a return path to the chassis, the reading must be ∞

1.1.2. Leakage Current Hot Check

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

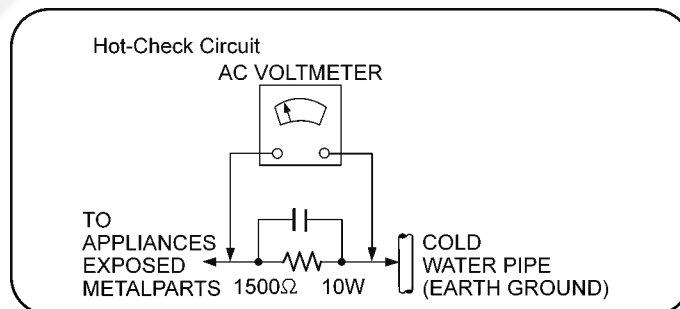


Figure 1-1

1.2. Before Repair and Adjustment

Disconnect AC power to discharge AC capacitor (in SMPS P.C.B.) as indicate below diagram through a 10 Ω , 10 W resistor to ground.

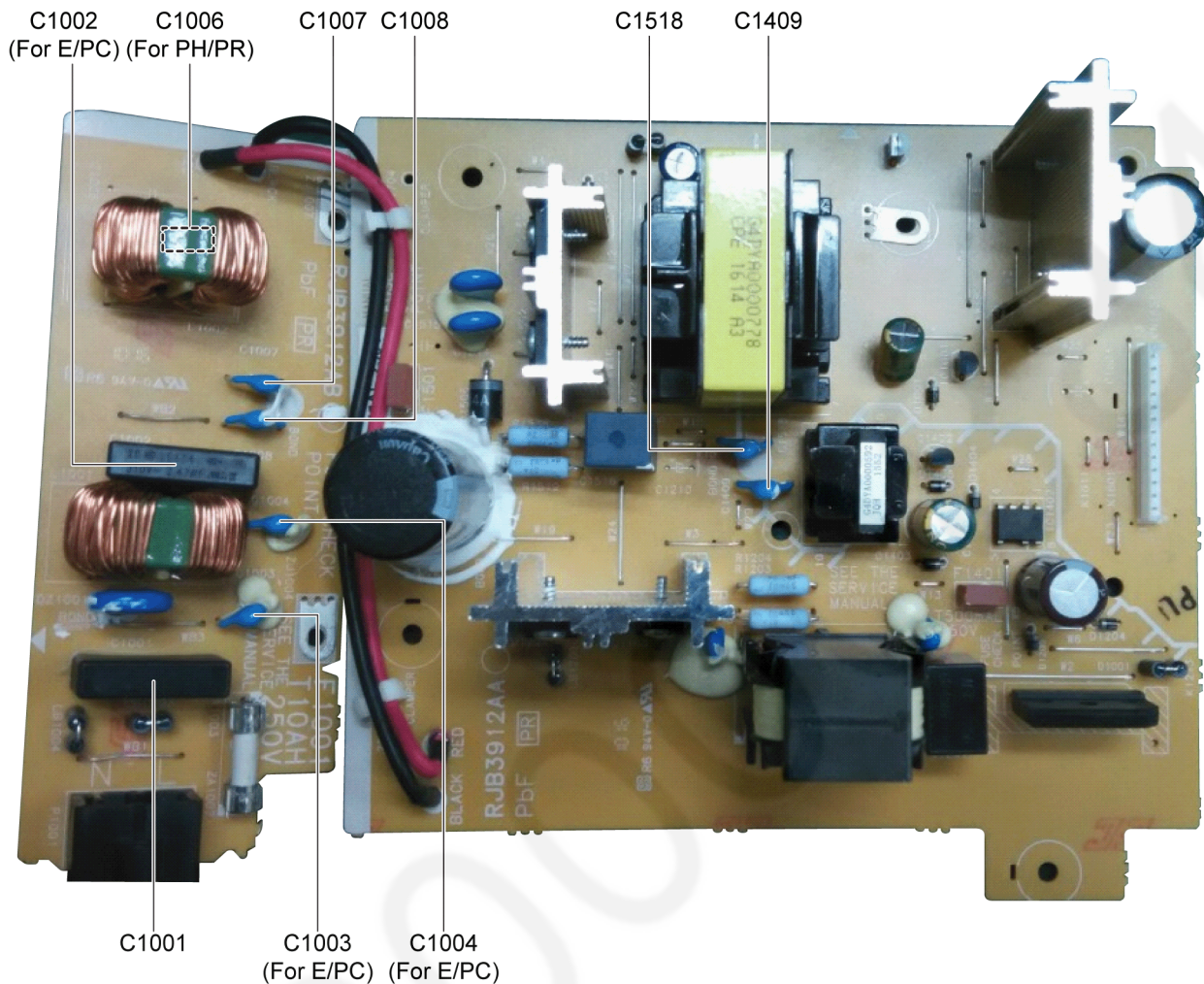


Figure 1-2

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 220~240 V, 50 Hz in FM Tuner at volume minimum should be ~ 550mA (E).

Current consumption at AC 110~127 V / 220~240 V, 50/60 Hz in FM Tuner at volume minimum should be ~ 550mA (PH).

Current consumption at AC 220~240 V, 50/60 Hz in FM Tuner at volume minimum should be ~ 550mA (PR).

Current consumption at AC 120 V, 60 Hz in FM Tuner at volume minimum should be ~ 550mA (PC).

1.3. Protection Circuitry

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

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

The function of this circuitry is to prevent circuitry damage if, for example, the positive and negative speaker connection wires are "shorted", or if speaker systems with an impedance less than the indicated rated impedance of the amplifier are used.

If this occurs, follow the procedure outlines below:

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

Note:

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

1.4. Caution For AC Cord (For E)

(For the AC mains plug of three pins)

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.

A 5-ampere fuse is fitted in this plug.

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark  or the BSI mark  on the body of the fuse.

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

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

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

Before use

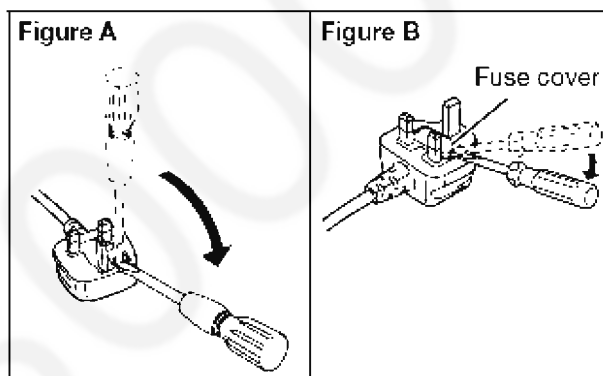
Remove the connector cover.

How to replace the fuse

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

Illustrations may differ from actual AC mains plug.

1. Open the fuse cover with a screwdriver.



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

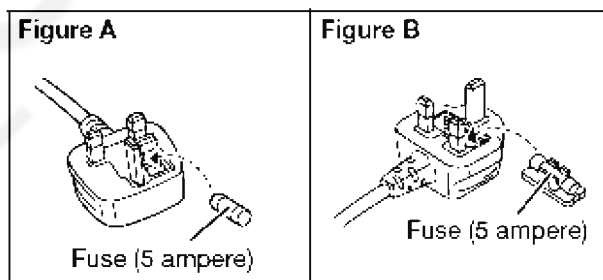


Figure 1-3

1.5. Safety Parts Information

Safety Parts List:

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

These parts are marked by Δ in the Schematic Diagrams, Exploded View & Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

Safety	Ref No.	Part No.	Part Name & Description	Remarks
Δ	21	RGR0487A-A1	REAR PANEL	E
Δ	21	RGR0487A-C1	REAR PANEL	PH
Δ	21	RGR0487A-D	REAR PANEL	PR
Δ	21	RGR0487A-F	REAR PANEL	PC
Δ	A2	K2CA2YY00039	AC CORD	PR
Δ	A2	K2CQ2YY00119	AC CORD	E, PH
Δ	A2	K2CT2YY00097	AC CORD	E
Δ	A2	RFA3683	AC CORD	PC
Δ	A3	RQT0B12-1B	O/I BOOK (En)	PH
Δ	A3	RQT0B13-1M	O/I BOOK (Sp)	PH, PR
Δ	A3	RQT0B16-1D	O/I BOOK (Ge, Fr, It, Du, Po, Cz)	E
Δ	A3	RQT0B24-1E	O/I BOOK (En, Sw, Da, Fi, Sp)	E
Δ	A3	RQT0B31-C	O/I BOOK (En, Cf)	PC
Δ	PCB7	REP5347B	SMPS / AC INLET P.C.B	(RTL) PH, PR
Δ	PCB7	REP5347C	SMPS / AC INLET P.C.B	(RTL) PC
Δ	PCB7	REP5347A	SMPS / AC INLET P.C.B	(RTL) E
Δ	Q1403	B3PBA0000579	TRANSISTOR	
Δ	Q1404	B3PBA0000579	TRANSISTOR	
Δ	Q1405	B3PBA0000579	TRANSISTOR	
Δ	Q1505	B3PBA0000579	TRANSISTOR	
Δ	Q1701	B3PBA0000579	TRANSISTOR	
Δ	DZ1001	D4EAY511A127	VARISTOR	
Δ	L1001	G0B223J00001	LINE FILTER	E, PC
Δ	L1002	G0B502J00005	LINE FILTER	PH, PR
Δ	L1003	G0B223J00001	LINE FILTER	E, PC
Δ	T1401	G4DYA0000592	TRANSFORMER	
Δ	T1501	G4DYA0000778	TRANSFORMER	
Δ	F1001	K5D103BNA005	FUSE	
Δ	F1401	K5G501YA0081	FUSE	
Δ	F1501	K5G502Y00006	FUSE	
Δ	P1001	K2AA2B000011	AC INLET	E, PH, PR
Δ	P1001	K2AB2B000007	AC INLET	PC
Δ	R1001	D0GF105JA048	1M 1/4W	PC, PH, PR
Δ	R1001	D0GF474JA048	470K 1/4W	E
Δ	R1002	D0GF105JA048	1M 1/4W	PC, PH, PR
Δ	R1002	D0GF474JA048	470K 1/4W	E
Δ	R1003	D0GF105JA048	1M 1/4W	PC, PH, PR
Δ	R1003	D0GF474JA048	470K 1/4W	E
Δ	C1001	F0CAF104A105	0.1uF	PH, PR
Δ	C1001	F0CAF474A105	0.47uF	E, PC
Δ	C1002	F0CAF474A105	0.47uF	E, PC
Δ	C1003	F1BAF471A215	470pF	E, PC
Δ	C1004	F1BAF471A215	470pF	E, PC
Δ	C1006	F0CAF224A105	0.22uF	PH, PR
Δ	C1007	F1BAF471A215	470pF	
Δ	C1008	F1BAF471A215	470pF	
Δ	C1409	F1BAF471A215	470pF	
Δ	C1518	F1BAF471A215	470pF	

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).

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.

2.2. 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%

2.3. 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.

2.3.1. Worktable grounding

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

2.3.2. Human body grounding

- Use the anti-static wrist strap to discharge the static electricity from your body Figure 2-1.

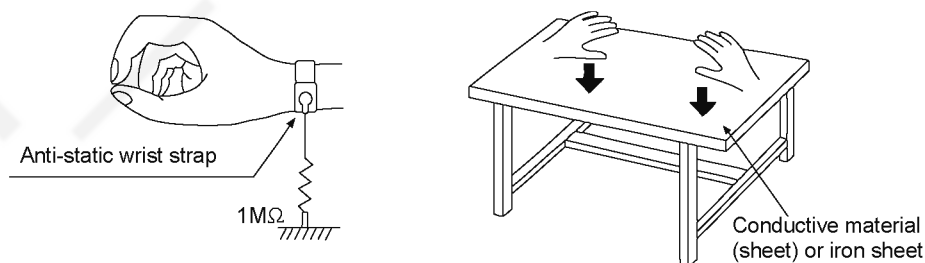


Figure 2-1

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.

3.2. Software Update Procedure

UPDATE PROCEDURE

Perform the following steps.

- Step 1: Preparing the USB device
- Step 2: Software Update

Step 1: Preparing the USB device

Before start creating the update USB, it is necessary to check the update file. It is important to use the correct file otherwise USB version up process will not working.

Note: Please do not rename the file as the updation process will look for above naming. If different name, version up process will not work.

To create USB update, copy the desired FRM file (depends on model) into USB. Please make sure there is no other file inside the USB device.

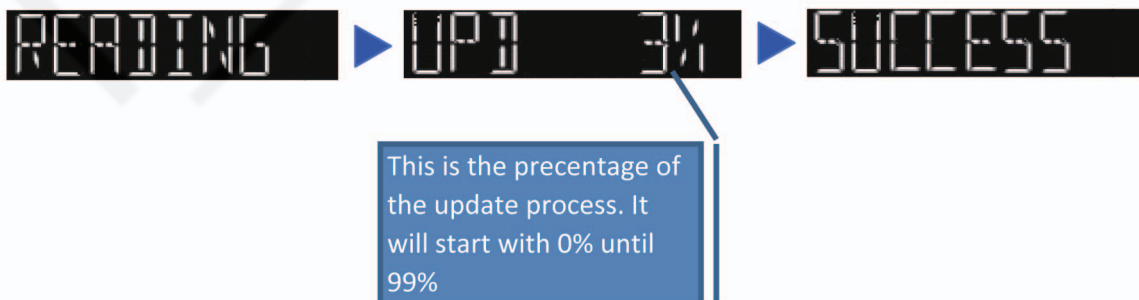
Step 2: Software Update

<Caution>

- ▶ During the update process, do not disconnect the AC power supply cord.
- ▶ Do not press any buttons, except as instructed. Failure to do so may result in the set becoming unresponsive which will require repair.

Step:

- ▶ Set need to be turn ON in order to support USB update process.
 - ▶ Go to USB selector until the display show "NODEVICE".
1. Insert USB device (With FRM file inside)
 2. During the update process, the below message will shown on the display.



3. When "SUCCESS" display appear, unplug USB then ac out supply. Firmware updation process completed.

4 Specifications

■ Amplifier section

RMS output power stereo mode

Front (Left/Right Ch)	375 W per channel (3 Ω), 1 kHz, 30% THD
Subwoofer Ch (2 Ch)	475 W per channel (2 Ω), 100 Hz, 30% THD
Total RMS stereo mode power	1700 W

FTC output power stereo mode (For PC)

Front (Left/Right Ch)	140 W per channel (3 Ω), 200 Hz to 20 kHz, 1% THD
Subwoofer Ch (2 Ch)	220 W per channel (2 Ω), 20 Hz to 200 Hz, 1% THD
Total FTC stereo mode power	720 W

■ Tuner, terminals section

Frequency modulation (FM)

Preset memory	30 stations
Frequency range	87.50 MHz to 108.00 MHz (50 kHz step) (For E/PH/PR) 87.9 MHz to 107.9 MHz (200 kHz step) (For PC) 87.5 MHz to 108.0 MHz (100 kHz step) (For PC)
Antenna terminals	75 Ω (unbalanced)

Digital audio input

Optical digital input	Optical terminal
Sampling frequency	32 kHz, 44.1 kHz, 48 kHz

AUX IN 1

Audio input	Pin jack
-------------	----------

AUX IN 2

Terminal	Stereo, 3.5 (1/8") mm jack
----------	----------------------------

AUDIO OUT

Terminal	Pin jack
----------	----------

Microphone (For E)

Terminal	Mono, 6.3 mm (1/4") jack (2 systems)
----------	--------------------------------------

Microphone (For PC/PH)

Terminal	Mono, 6.3 mm (1/4") jack (1 system)
----------	-------------------------------------

■ USB section

USB port

USB standard	USB 2.0 full speed
Media file format support	MP3 (*.mp3)
USB device file system	FAT12, FAT16, FAT32

USB recording

Bit rate	128 kbps
USB recording speed	1x
Recording file format	MP3 (*.mp3)

■ Bluetooth® section

Version

Bluetooth® Ver. 2.1 + EDR

Class

Class 2

Supported profiles

A2DP, AVRCP, SPP, OPP, FTP

Operating frequency

2.4 GHz band FH-SS

Operation distance

10 m line of sight

■ Internal memory section (For E/PH)

Memory

Memory size	4 GB
Media file format support	MP3 (*.mp3)

Memory recording

Bit rate	128 kbps
Memory recording speed	1x
Recording file format	MP3 (*.mp3)

■ General

Power supply

AC 220 V to 240 V, 50 Hz (for E)
AC 120 V, 60 Hz (for PC)
AC 110 to 127/220 to 240 V, 50/60 Hz (for PH)
AC 220 to 240 V, 50/60 Hz (for PR)

Power consumption

190 W

(For Mexico)

Power consumption per day	190 Wh per day (190 W, 1 hour)
Power consumption per day (in standby mode)	11.5 Wh per day (0.5 W, 23 hours)

Dimensions (W x H x D)

260 mm x 744 mm x 295 mm
(10 1/4" x 29 3/8" x 11 5/8")

Mass

14 kg (30.9 lbs)

Operating temperature range

0 °C to +40 °C (+32 °F to +104 °F)

Operating humidity range

35% to 80% RH (no condensation)

Power consumption in standby mode (approximate)

0.5 W

Power consumption in standby mode (approximate)

0.6 W

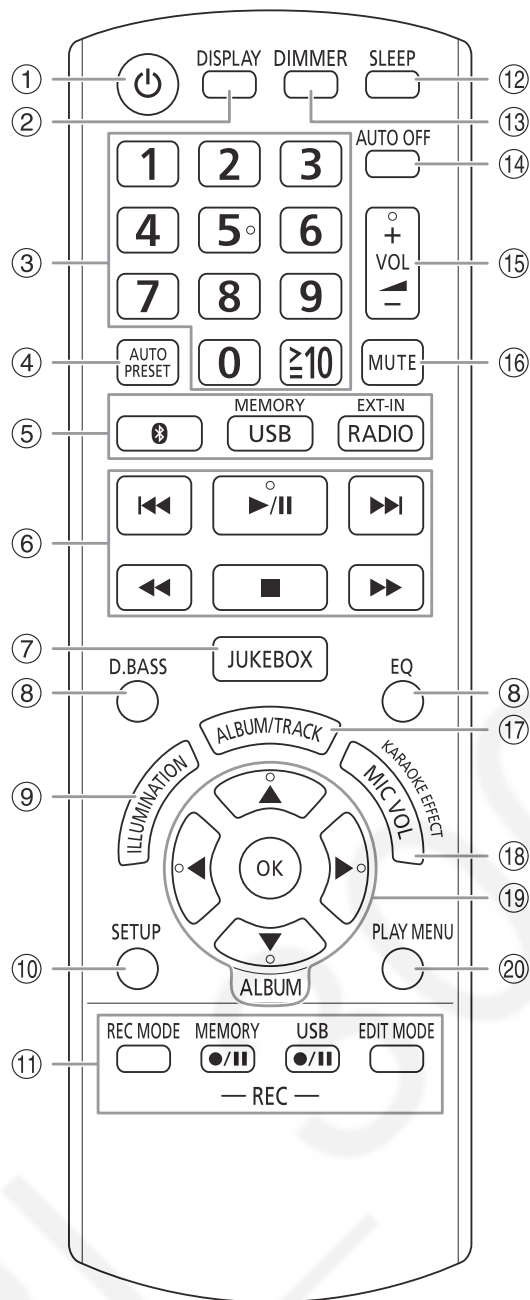
(With "BLUETOOTH STANDBY" set to "ON")

Note:

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

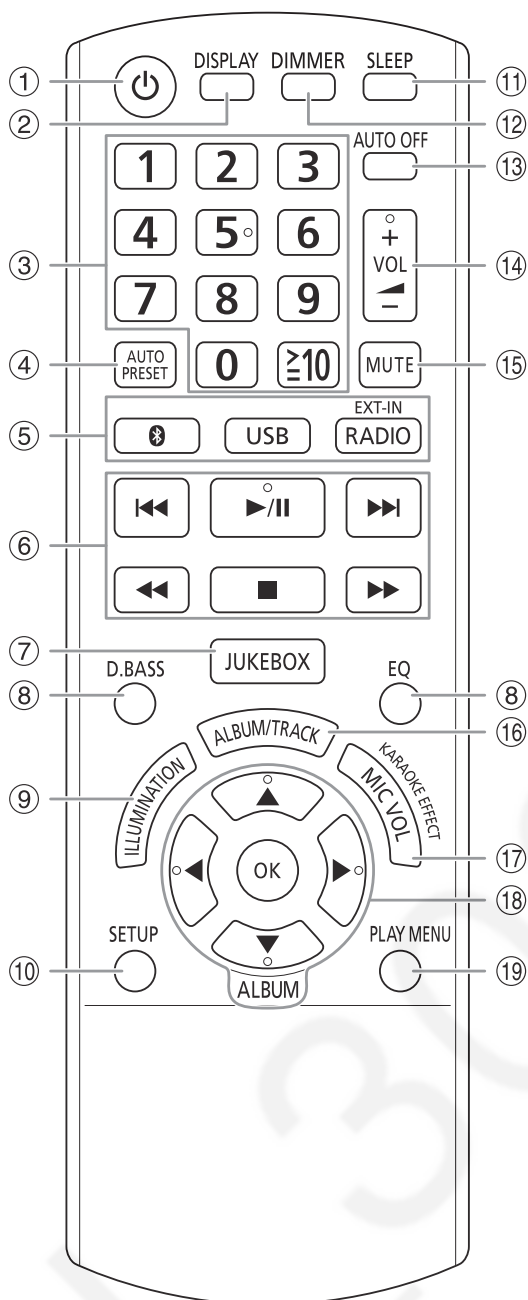
5 Location of Controls and Components

5.1. Remote Control Key Button Operation (For E/PH/PR)



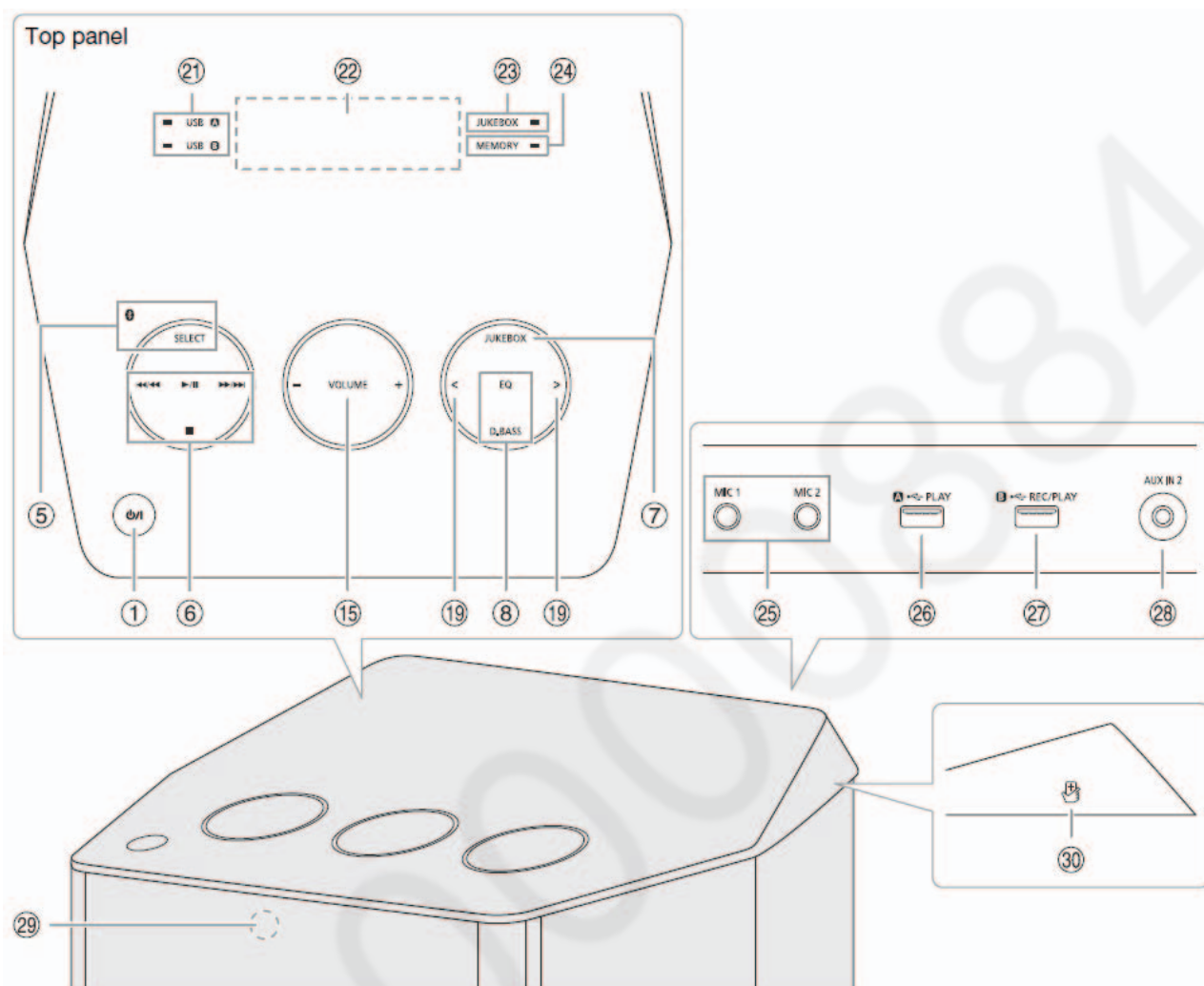
- ① **Standby/on switch** [⏻], [⏻/⏺]
Press*1 or touch*2 to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.
*1 For the button on the remote control
*2 For the touch key on the unit
- ② View the content information
- ③ **Numeric buttons**
To select a 2-digit number
Example: 16: [10] → [1] → [6]
- ④ Auto preset the radio station
- ⑤ **Select the audio source**
On the unit:
Touch [SELECT] to select the source:
USB A → USB B → BLUETOOTH → FM
↑
AUX 2 ← AUX 1 ← D-IN ← MEMORY
↓
To start Bluetooth® pairing, touch and hold [Ⓜ].
- ⑥ Basic playback control
- ⑦ Select DJ jukebox or Karaoke jukebox
- ⑧ Select the sound effects
- ⑨ Switch on or switch off the illumination
- ⑩ View the setup menu
- ⑪ Recording operation control
- ⑫ Set the sleep timer
- ⑬ **Decrease the brightness of the display panel and the illumination**
The status indicators are also switched off.
To cancel, press the button again.
- ⑭ **Automatically switch off the system**
This system automatically switches off when you do not use it for approximately 20 minutes.
This function does not work when you are in radio source or when a Bluetooth® device is connected.
To cancel, select "OFF".
- ⑮ Adjust the volume level
- ⑯ **Mute the sound**
To cancel, press the button again.
"MUTE" is also cancelled when you adjust the volume or when you switch off the system.
- ⑰ Select MP3 album or track
- ⑱ Adjust the microphone volume level
Select the Karaoke effects
- ⑲ Select or confirm the option
- ⑳ View the play menu

5.2. Remote Control Key Button Operation (For PC)



- ① **Standby/on switch** [⏻], [⏻/⏮]
Press*¹ or touch*² to turn the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.
*¹ For the button on the remote control
*² For the touch key on the unit
- ② View the content information
- ③ **Numeric buttons**
To select a 2-digit number
Example: 16: [10] → [1] → [6]
- ④ Auto preset the radio station
- ⑤ **Select the audio source**
On the unit:
Touch [SELECT] to select the source:
USB A → USB B → BLUETOOTH
↑
AUX 2 ← AUX 1 ← D-IN ← FM
↓
To start Bluetooth® pairing, touch and hold [Ⓟ].
- ⑥ Basic playback control
- ⑦ Select DJ jukebox or Karaoke jukebox
- ⑧ Select the sound effects
- ⑨ Turn on or turn off the illumination
- ⑩ View the setup menu
- ⑪ Set the sleep timer
- ⑫ **Decrease the brightness of the display panel and the illumination**
The status indicators are also turned off.
To cancel, press the button again.
- ⑬ **Automatically turn off the system**
This system automatically turns off when you do not use it for approximately 20 minutes.
This function does not work when you are in radio source or when a Bluetooth® device is connected.
To cancel, select "OFF".
- ⑭ Adjust the volume level
- ⑮ **Mute the sound**
To cancel, press the button again.
"MUTE" is also canceled when you adjust the volume or when you turn off the system.
- ⑯ Select MP3 album or track
- ⑰ Adjust the microphone volume level
Select the Karaoke effects
- ⑱ Select or confirm the option
- ⑲ View the play menu

5.3. Main Unit Key Button Operation



① **Standby/on switch** [⏻], [⏻]

Press*1 or touch*2 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.

*1 For the button on the remote control

*2 For the touch key on the unit

⑤ **Select the audio source**

On the unit:

Touch [SELECT] to select the source:

USB A → USB B → BLUETOOTH → FM

↑
AUX 2 ← AUX 1 ← D-IN ← MEMORY

↓
To start Bluetooth® pairing, touch and hold [📶].

⑥ **Basic playback control**

⑦ **Select DJ jukebox or Karaoke jukebox**

⑧ **Select the sound effects**

⑮ **Adjust the volume level**

⑲ **Select or confirm the option**

⑳ **USB status indicator**

㉒ **Display panel**

㉓ **DJ jukebox or Karaoke jukebox status indicator**

㉔ **Internal memory status indicator**

㉕ **Microphone jack**

㉖ **USB A**

USB port (🔌)
Play MP3 tracks.

㉗ **USB B**

USB port (🔌)
Play MP3 tracks.
Record sound or music tracks.

㉘ **AUX IN 2 jack**

㉙ **Remote control sensor**

Distance: Within approximately 7 m

Angle: Approximately 20° up and down, 30° left and right

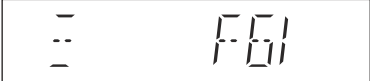
㉚ **NFC touch area**

Note:

You can use the touch keys just by touching the marks. The system beeps when you touch any touch key (refer to "Touch sound" for switching off the touch sound).

6 Service Mode

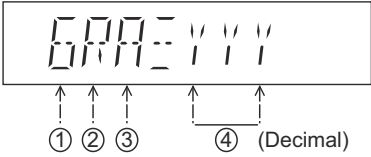
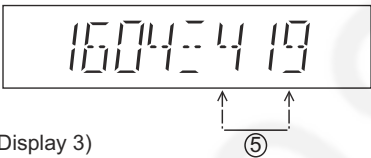
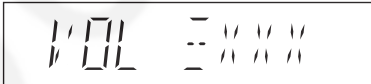
6.1. Self Diagnostic Mode

Item		FL display	Key operation
Mode name	Description		
Service Mode	To enter into Service Mode checking.		Step 1 : Select [■] and [➤] on main set for 2 seconds. Step 2 : When [SERVICE?] appear, press [SELECT] on main set to confirm.
Error code information	System will perform a check on any unusual/error code from the memory.	Example: 	Step 1 : In service mode, Press [■] on main unit. To exit, press [⏻] on main unit or remote control.
Delete Error code	To clear the stored in memory (EEPROM IC).		Step 1 : In service mode, Press [OK] on main unit for more than 5 seconds. To exit, press [⏻] on main unit or remote control.
Cold Start	To carry out cold-start or initialize to shipping mode		Step 1 : In service mode, press [SETUP] on remote control. Step 2 : When "AC OUT" appear, unplug AC power cord. Step 3 : Plug in AC power cord.
Opecon Version	Opecon version display	Opecon Version: 	Step 1 : Enter service mode Press [DISPLAY] on the remote control. To exit, press [⏻] on main unit or remote control.

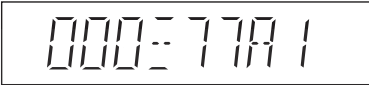
6.2. Doctor Mode

Note: To enter the Doctor Mode, please use SC-UA7 remote control. (Part No : N2QAYB001082)

6.2.1. Doctor Mode Table 1

Mode Name	Item	FL Display	Key Operation
	Description		Front Key
Doctor Mode	To enter into Doctor Mode for checking of various items and displaying EEPROM check sum and Opecon firmware version. Note: The Opecon firmware version as shown is an example. It will be revised when there is updates. Displaying of 1. Year Develop. 2. Model Type. 3. ROM Type. 4. Firmware Version. 5. SDK Version.	(Display 1)  (Display 2)  (Display 3) 	In FM, USB or Bluetooth Mode: 1. Press [■] button on main unit follow by [4] and [7] on remote control. 2. To cancel this mode, press [0] button on the remote control or press [⏻/I] button on Main Unit.
Cold Start	To active cold start upon next AC power up when reset start is execute the next time.		In Doctor Mode: 1. Press [4] button on the remote control. 2. To cancel this mode, press [0] button on the remote control or press [⏻/I] button on Main Unit.
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.

6.2.2. Doctor Mode Table 2

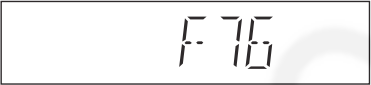
Item		FL Display	Key Operation														
Mode Name	Description		Front Key														
Bluetooth mac Address Checking	Bluetooth Address Check	 Display of BlueTooth MAC Address will scroll forever	In Doctor Mode: 1. Press [10] →[4] →[1] and display will show. 2. To cancel this mode press [POWER, ⏻/I] button on Main Unit														
Bluetooth Module Check	Bluetooth module check and NFC writing	Device name is set to [SC-UA7-XX] X= region number (Please refer table below). <table border="1"><thead><tr><th>Region</th><th>Model</th><th>Series</th></tr></thead><tbody><tr><td>2</td><td rowspan="5">UA7</td><td>PH/PR</td></tr><tr><td>6</td><td>LB</td></tr><tr><td>8</td><td>GS</td></tr><tr><td>12</td><td>PC</td></tr><tr><td>13</td><td>E</td></tr></tbody></table>	Region	Model	Series	2	UA7	PH/PR	6	LB	8	GS	12	PC	13	E	In Doctor Mode: 1. Press [USB REC] and display will show. 2. To cancel this mode press [⏻/I] button on Main Unit.
Region	Model	Series															
2	UA7	PH/PR															
6		LB															
8		GS															
12		PC															
13		E															
Region Check	Checking for model no and Region	 AD value of region pin is check and display will show [REG:YYY] based on region table. YYY = 1 ~ 5 based on region table as below. <table border="1"><thead><tr><th>Region</th><th>Model</th><th>Series</th></tr></thead><tbody><tr><td>2</td><td rowspan="5">UA7</td><td>PH/PR</td></tr><tr><td>6</td><td>LB</td></tr><tr><td>8</td><td>GS</td></tr><tr><td>12</td><td>PC</td></tr><tr><td>13</td><td>E</td></tr></tbody></table>	Region	Model	Series	2	UA7	PH/PR	6	LB	8	GS	12	PC	13	E	In Doctor Mode: 1. Press [10] →[1] →[6] button on the remote control. 2. To cancel this mode, press [0] button on the remote control or press [⏻/I] button on Main Unit.
Region	Model	Series															
2	UA7	PH/PR															
6		LB															
8		GS															
12		PC															
13		E															

6.3. Self-Diagnostic Error Code Table

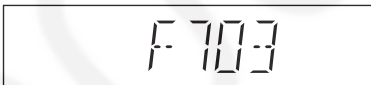
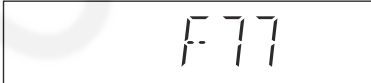
Self-Diagnostic Function (Refer Section 6.4. Self-Diagnostic Mode) provides information on any problems occurring for the unit and its respective components by displaying the error codes. These error code such as U**, H** and F** are stored in memory and held unless it is cleared.

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

6.3.1. Power Supply Error Code Table

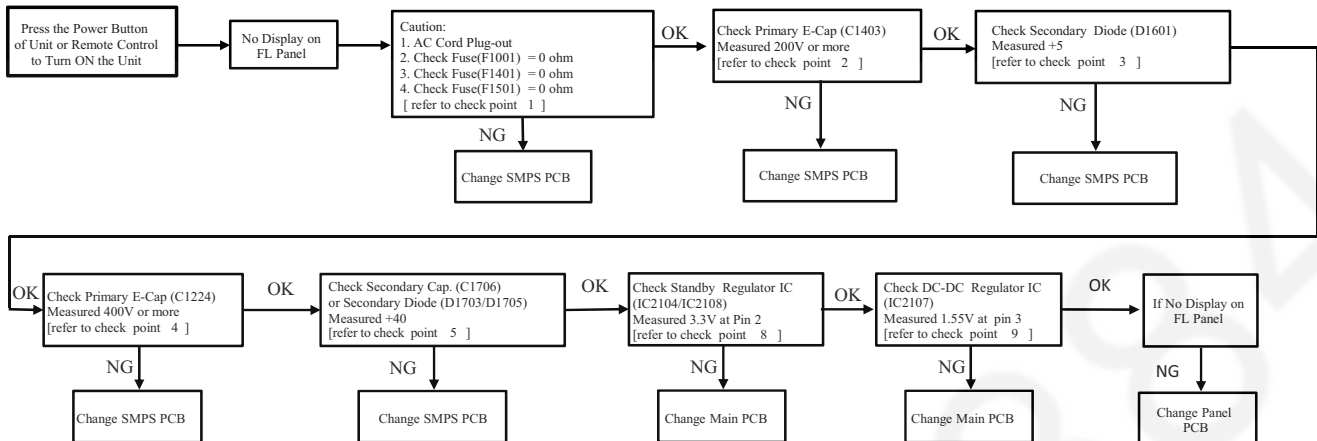
Item		FL Display	Key Operation	Solution (PCB exchange repair)
Mode Name	Description		Front Key	
Error Code F61	Diagnosis Contents: Power Amp IC output abnormal. Upon power on, PCONT=HIGH, DC_DET_AMP after checking LSI.		Press [■] on main unit for next error.	Check following: 1. Fan Unit 2. SMPS P.C.B. 3. Speaker Connection
Error Code F76	Diagnosis Contents: Power Amp IC output abnormal. DC_DET_PWR.		Press [■] on main unit for next error.	Check supply voltages on Main P.C.B.

6.3.2. Bluetooth Error Code Table

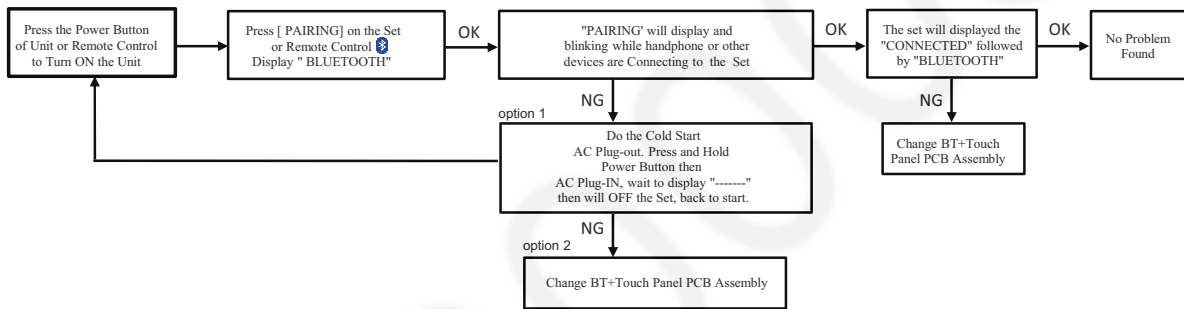
Item		FL Display	Key Operation	Solution (PCB exchange repair)
Mode Name	Description		Front Key	
Error Code F703	Diagnosis Contents: Bluetooth Communication. Communication between Bluetooth module and micro-p abnormal.		Press [■] on main unit for next error.	Check following: 1. Bluetooth P.C.B. 2. SOC IC on Main P.C.B.
Error Code F77	Diagnosis Contents: Bluetooth Address Error If there is no valid Bluetooth address stored in the EEPROM IC.		Press [■] on main unit for next error.	Check following: 1. EEPROM IC (IC1004) on Main P.C.B.

7 Troubleshooting Guide

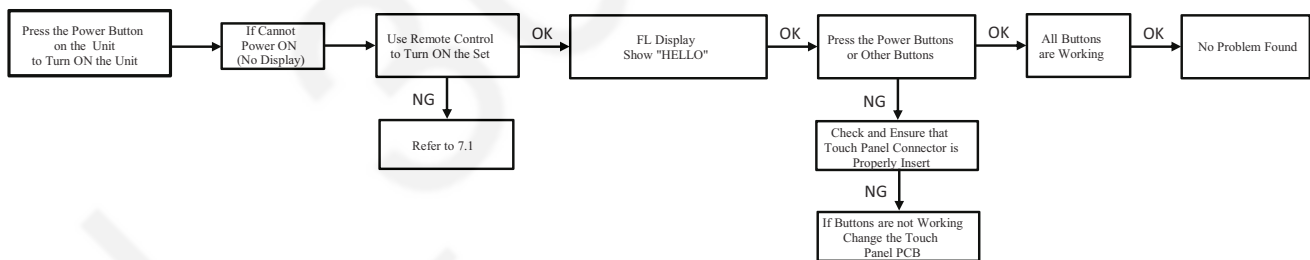
7.1. No Power or No Display



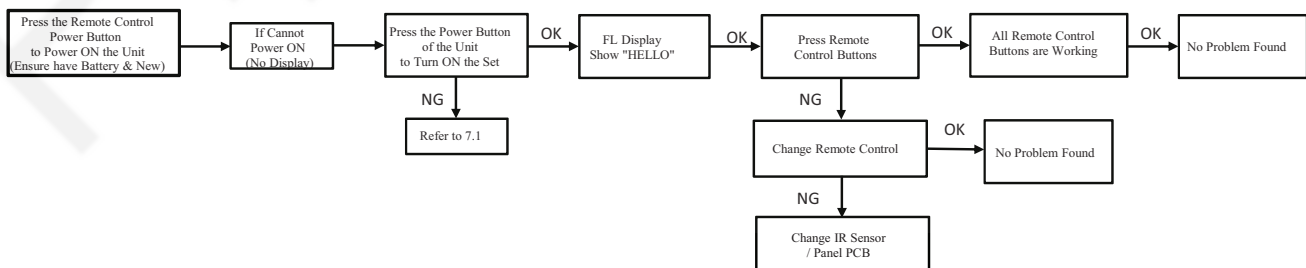
7.2. Bluetooth® Pairing Failure



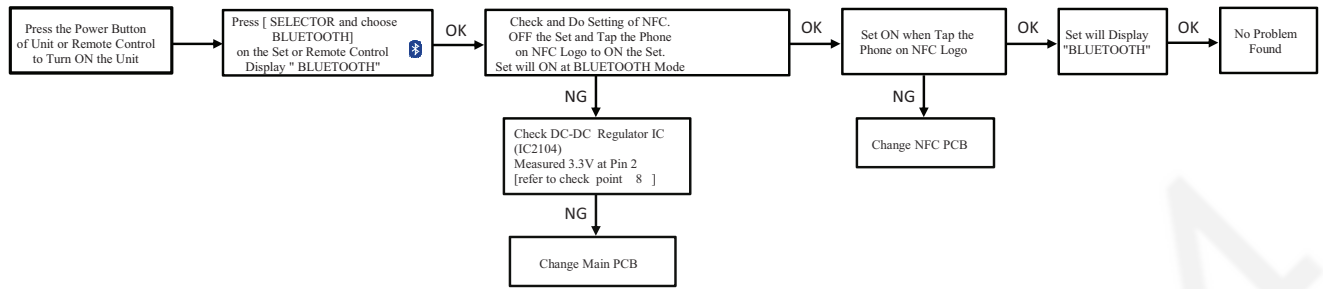
7.3. No Key Function (Touch Panel)



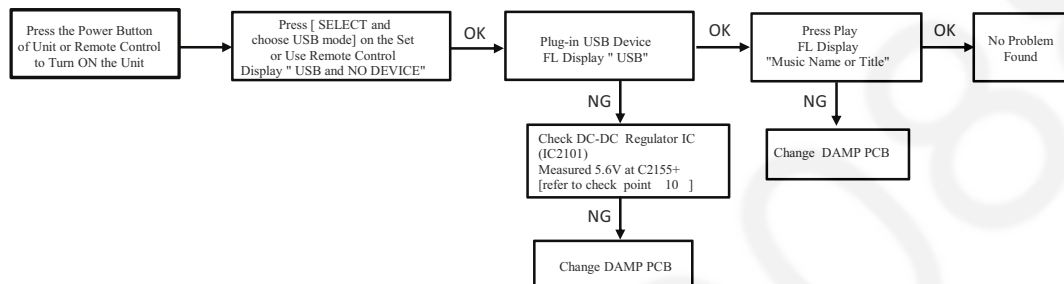
7.4. No Remote Control Function



7.5. No NFC



7.6. USB Device Cannot Detect



7.7. Fuse Checking

7.7.1. Main Fuse (F1001)

No	Components	Criteria	Remark
a	D1001	pin to pin resistance > 0Ω	D1001 OK
b	D1402	pin to pin resistance > 0Ω	D1402 OK
c	F1401	no open	F1401 OK
d	Q1103	pin to pin resistance > 0Ω	Q1103 OK
e	IC1402	pin 5 to pin 7/8 resistance > 0Ω	IC1402 OK

7.7.2. Back Up Circuit Fuse (F1401)

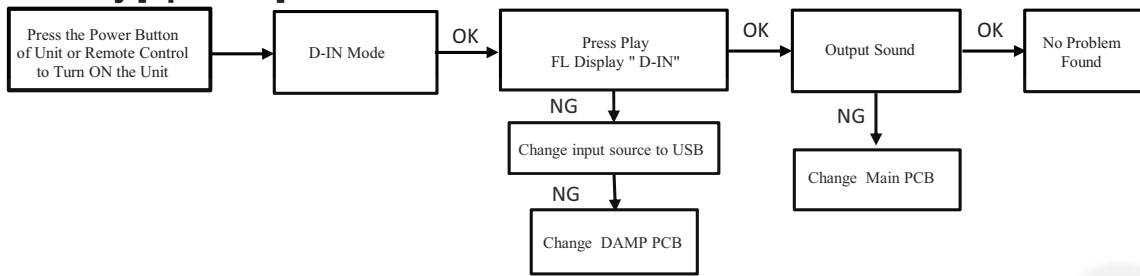
No	Components	Criteria	Remark
b	D1402	pin to pin resistance > 0Ω	D1402 OK

7.7.3. Back Up Circuit Fuse (F1501)

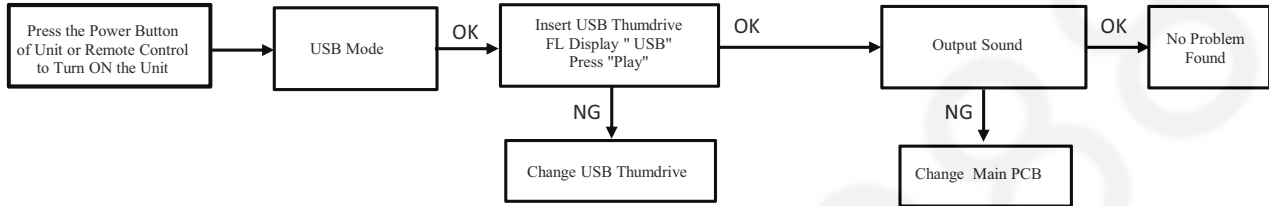
No	Components	Criteria	Remark
f	Q1502	pin to pin resistance > 0Ω	Q1502 OK
g	Q1501	pin to pin resistance > 0Ω	Q1501 OK
h	D1506	pin to pin resistance > 0Ω	D1506 OK

7.8. No Output Sound

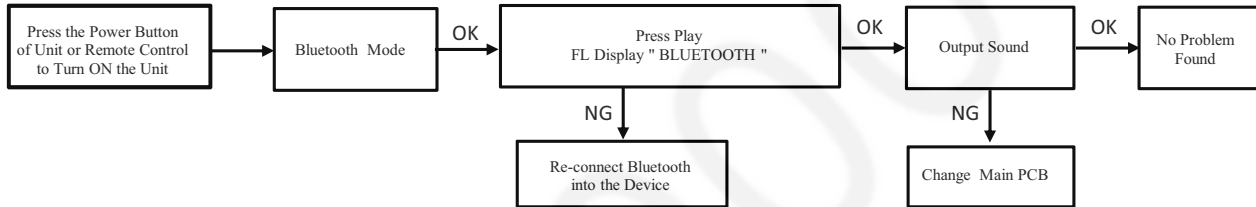
D-IN Play [Optical In]



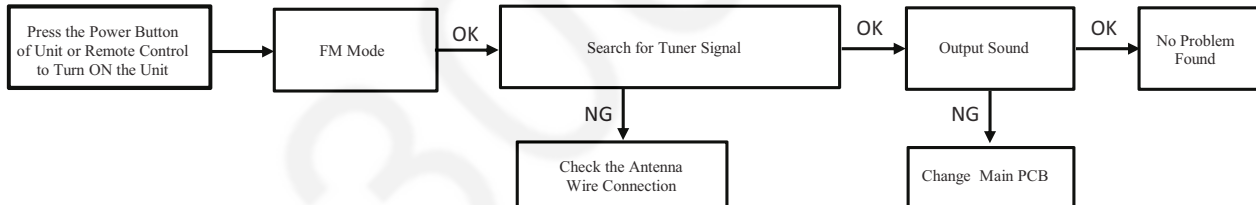
USB Play



Bluetooth Play

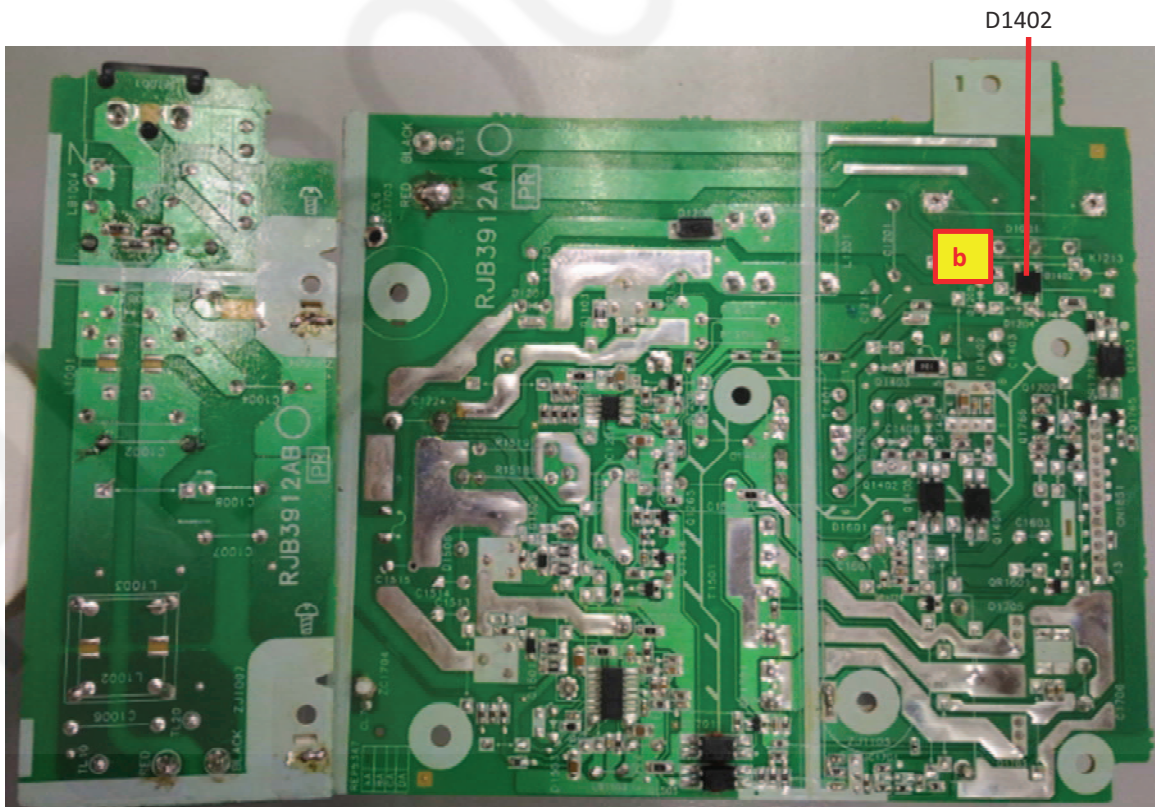
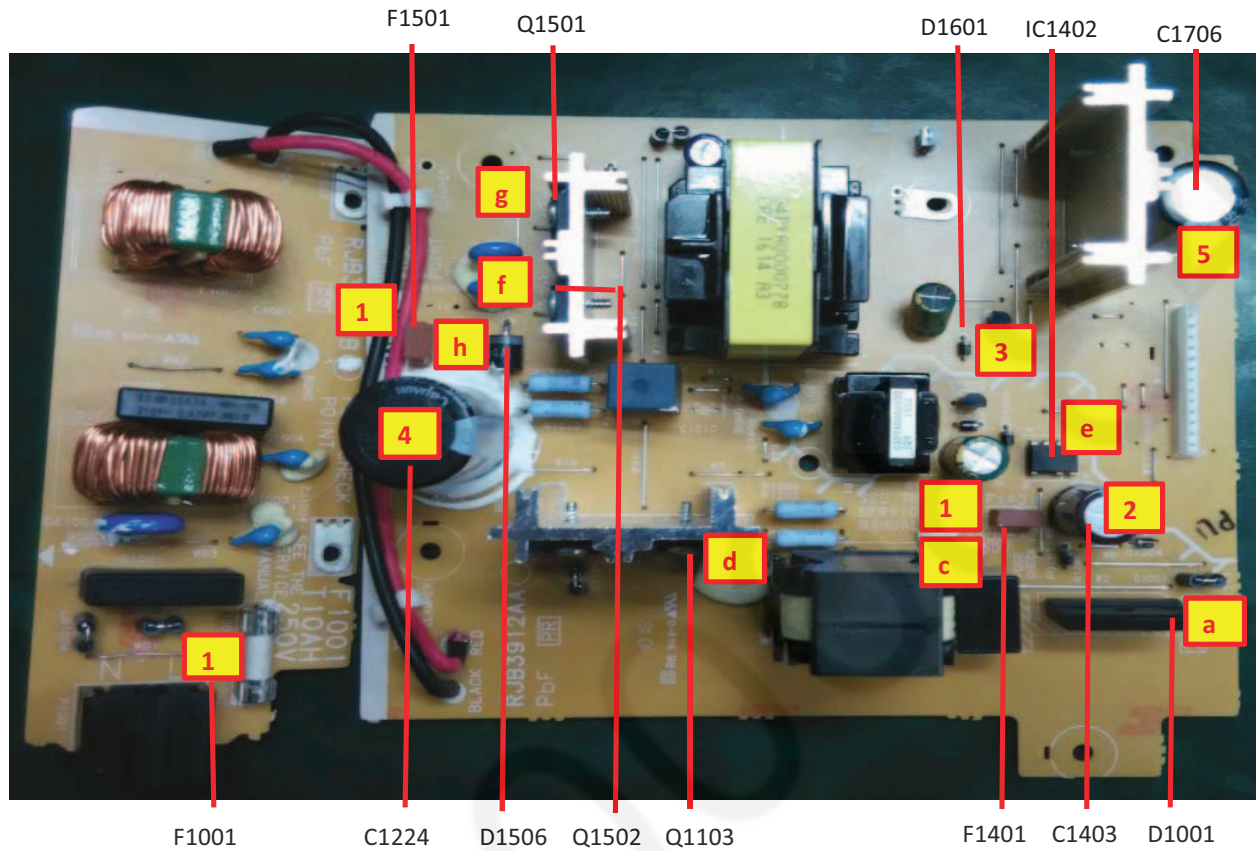


Tuner Mode

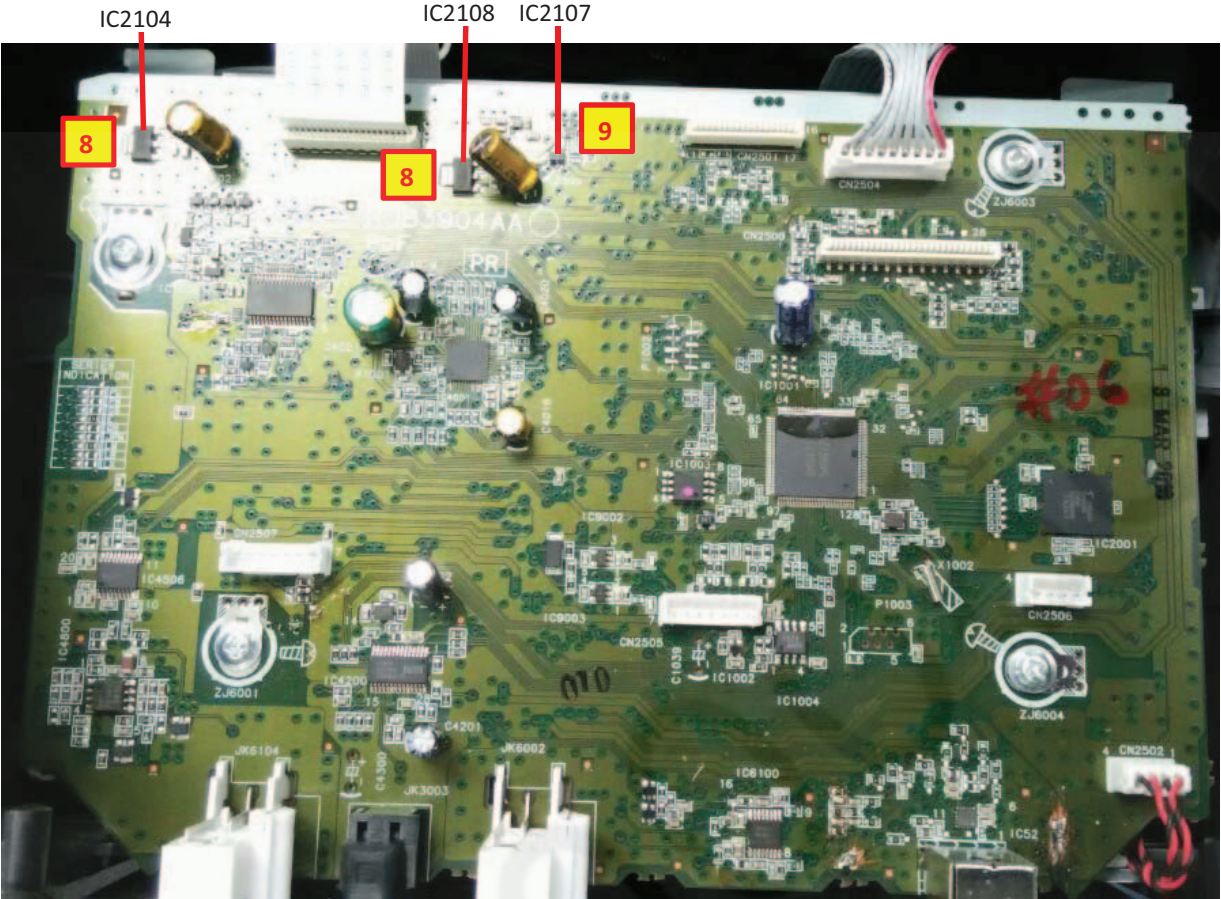


7.9. Check Point

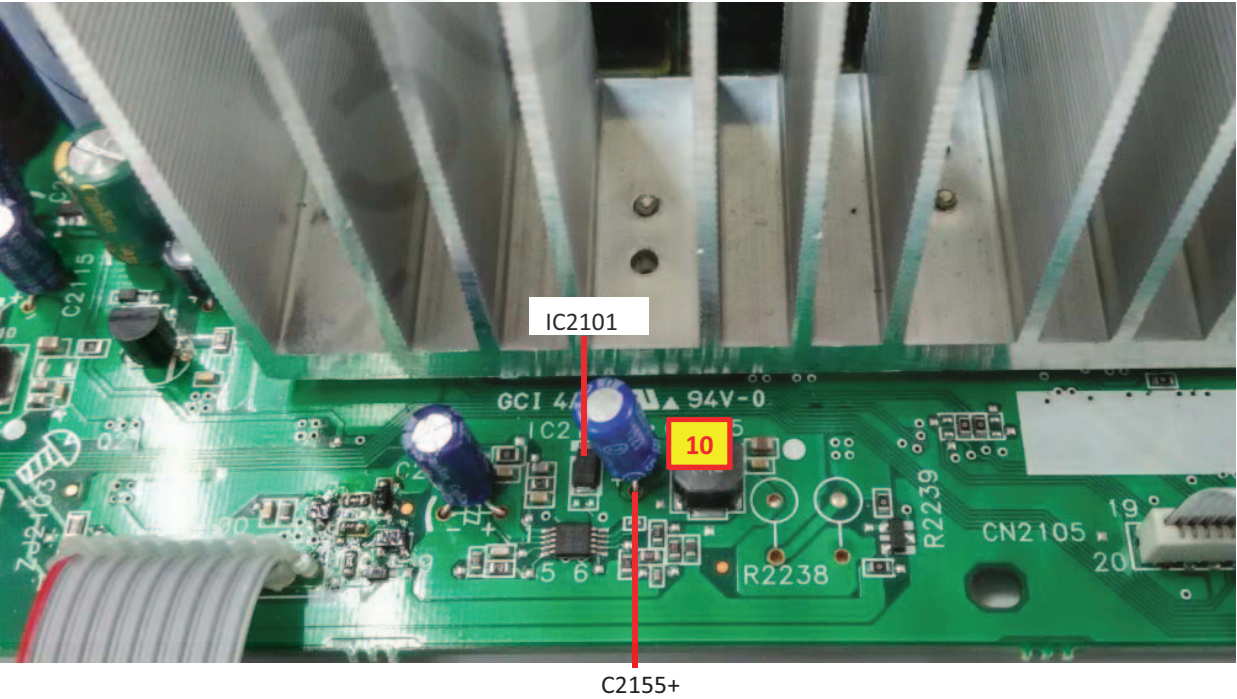
7.9.1. SMPS P.C.B.



7.9.2. Main P.C.B.



7.9.3. DAMP P.C.B.



8 Disassembly and Assembly Instructions

- 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 this 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.
- Be sure to use proper service tools, equipments or jigs during repair.
- Select items from the following indexes when disassembly or replacement are required.
 - Disassembly of Rear Panel
 - Disassembly of Top Panel Unit
 - Disassembly of Left & Right Side Panel Assembly
 - Disassembly of Upper Front Panel Assembly
 - Disassembly of Panel Block
 - Disassembly of Mic P.C.B.
 - Disassembly of Panel/IR Sensor P.C.B.
 - Disassembly of USB P.C.B.
 - Disassembly of NFC P.C.B.
 - Disassembly of Touch Sensor P.C.B. Assembly
 - Disassembly of Main P.C.B.
 - Disassembly of DAMP P.C.B.
 - Disassembly of SMPS/AC Inlet P.C.B.
 - Disassembly of Top Speaker Block
 - Disassembly of Speaker Units
 - Disassembly of Lighting P.C.B.

8.1. Type of Screws

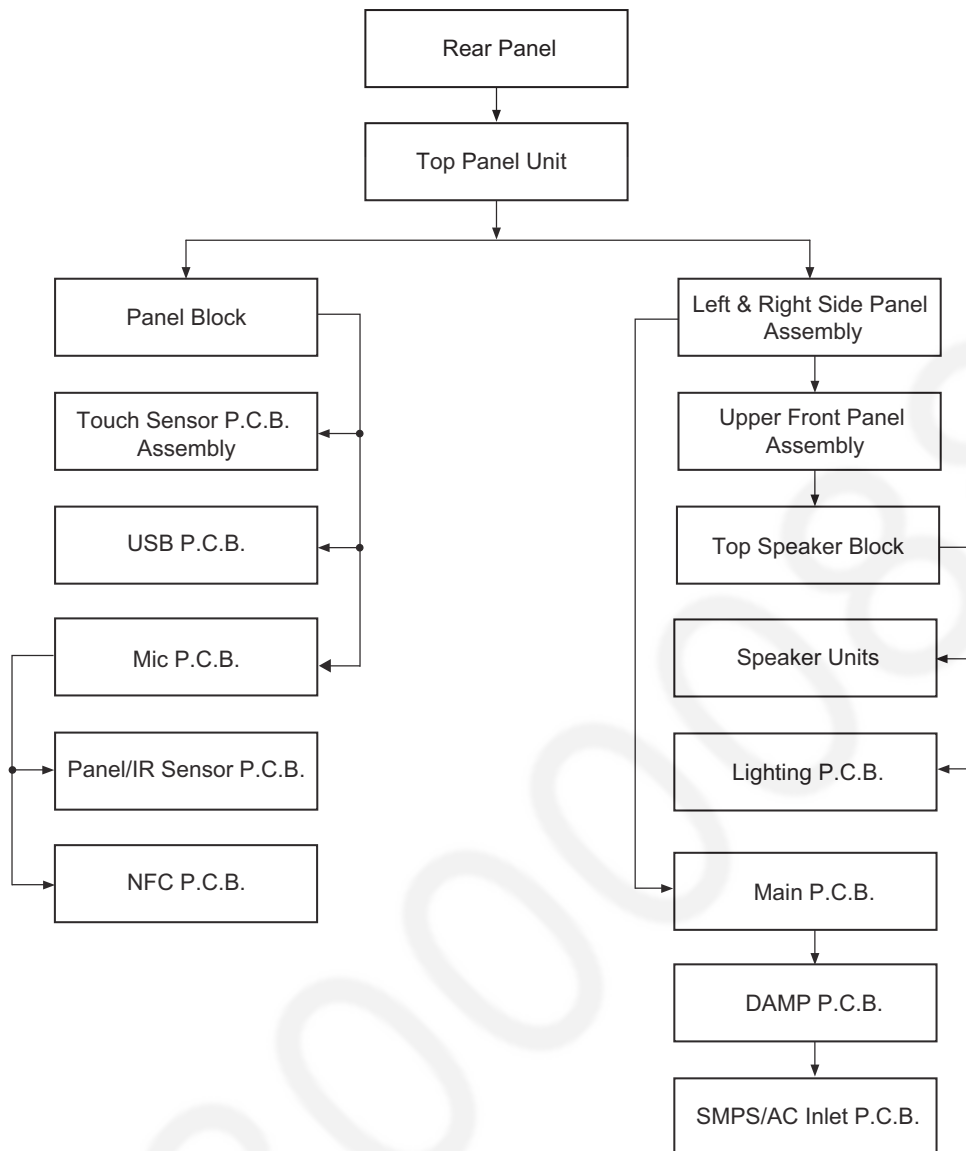
CAUTION NOTE:

Please use original screw and at correct locations.

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

- | | |
|-----------------------|-----------------------|
| a :XTB3+10JFJK | d :RHD30092-1 |
| b :XTB3+12JFJK | e :XTB3+16GFJK |
| c :RHD26046 | f :XTB3+10GFJ |

8.2. Disassembly Flow Chart



8.2.1. P.C.B. Repair Method

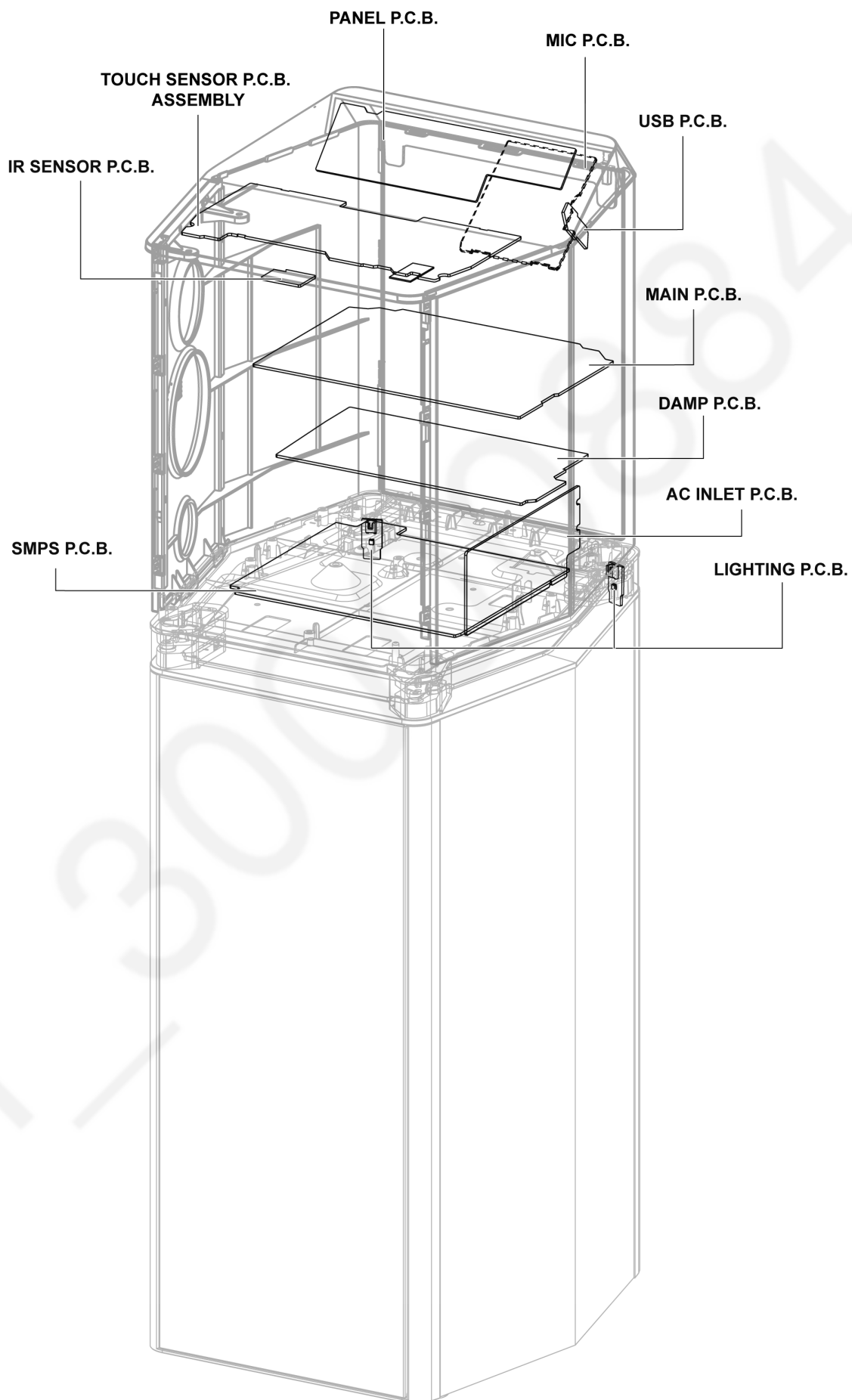
In case of P.C.B. repair, please refer as follow:

Defective P.C.B.	Repair method	Remarks
Main P.C.B.	1) Change by component. 2) Change by P.C.B. (subject change to RTL).	
NFC P.C.B.	Change by NFC Kit	
Panel P.C.B.	Change by component	
IR Sensor P.C.B.	Change by component	
Mic P.C.B.	Change by component	
USB P.C.B.	Change by component	
DAMP P.C.B.	Change by component	
SMPS P.C.B.	Change by component	
AC Inlet P.C.B.	Change by component	
Touch Sensor P.C.B.	Change by Touch sensor assembly	
Bluetooth P.C.B.	Change by Touch sensor assembly	

8.2.2. IC Replacement Method

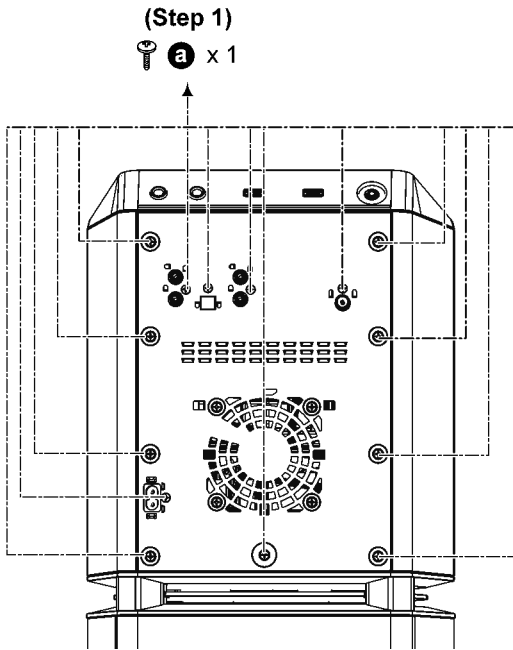
Defective P.C.B.	Repair method	Remarks
IC1004	Change by NFC Kit	
Others IC	Change by component	

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



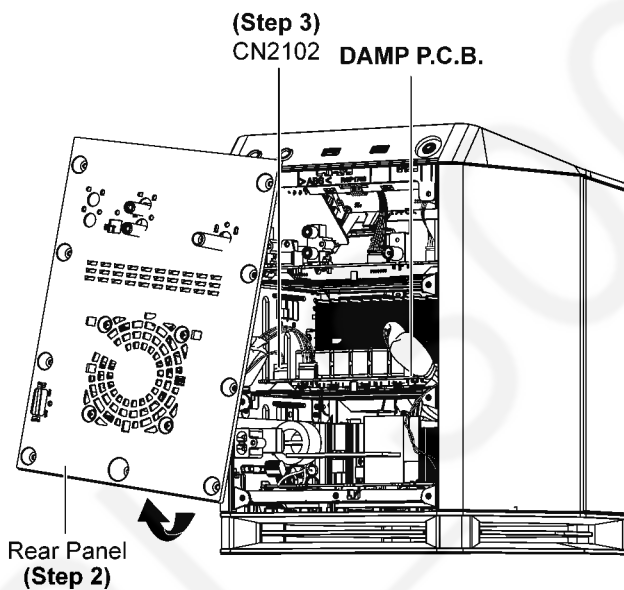
8.4. Disassembly of Rear Panel

Step 1 Remove 14 screws.



Step 2 Slightly lift up Rear Panel.

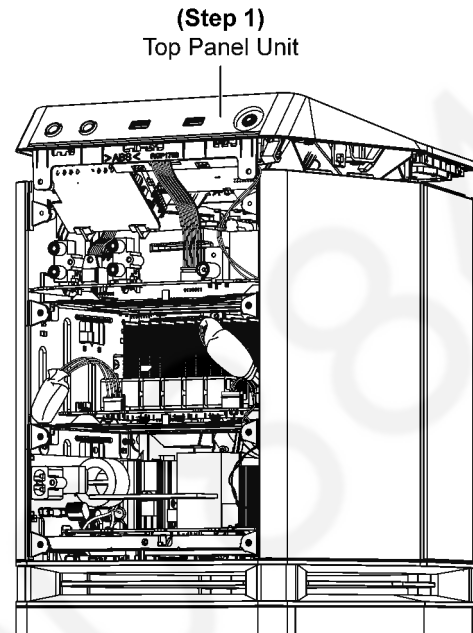
Step 3 Detach 2P Cable at connector (CN2102) on DAMP P.C.B..



8.5. Disassembly of Top Panel Unit

• Refer to “Disassembly of Rear Panel”.

Step 1 Lift up Top Panel Unit.



Step 2 Detach 7P Cable at connector (CN2507) on Main P.C.B..

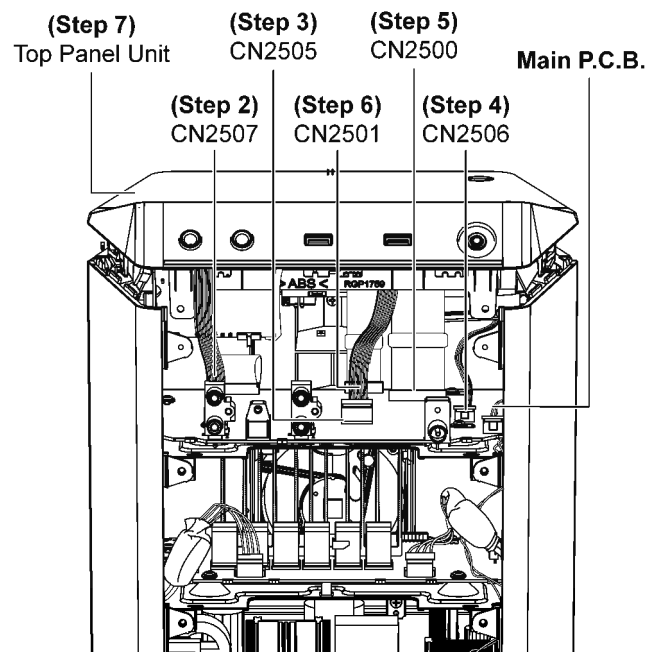
Step 3 Detach 7P Cable at connector (CN2505) on Main P.C.B..

Step 4 Detach 4P Cable at connector (CN2506) on Main P.C.B..

Step 5 Detach 27P FFC at connector (CN2500) on Main P.C.B..

Step 6 Detach 17P FFC at connector (CN2501) on Main P.C.B..

Step 7 Remove Top Panel Unit.

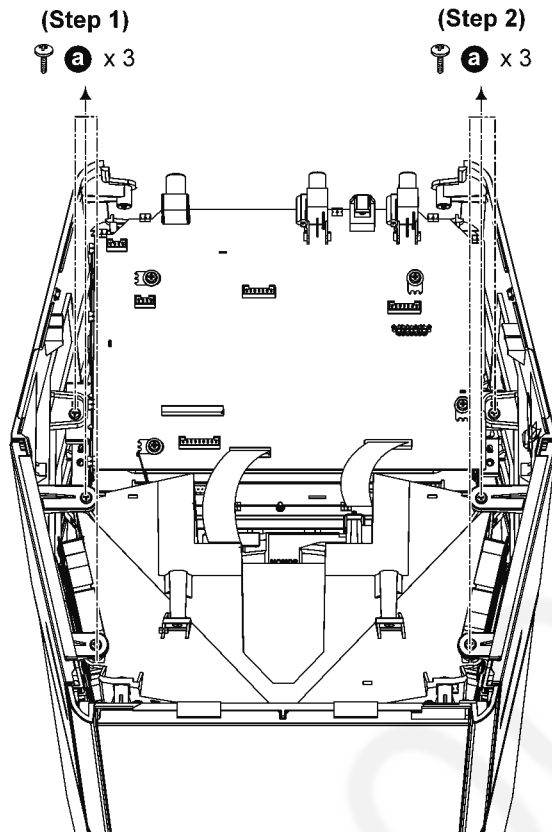


8.6. Disassembly of Left & Right Side Panel Assembly

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

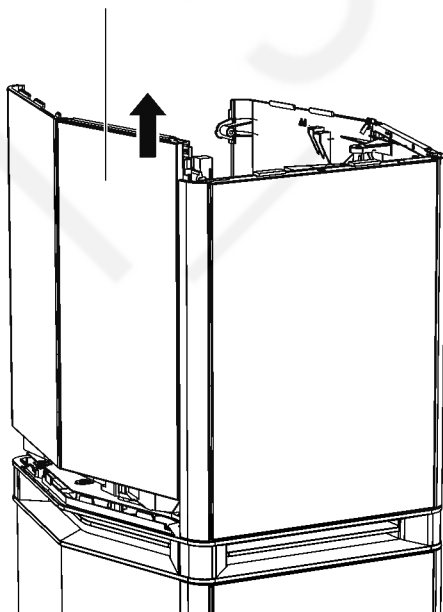
Step 1 Remove 3 screws at left side.

Step 2 Remove 3 screws at right side.



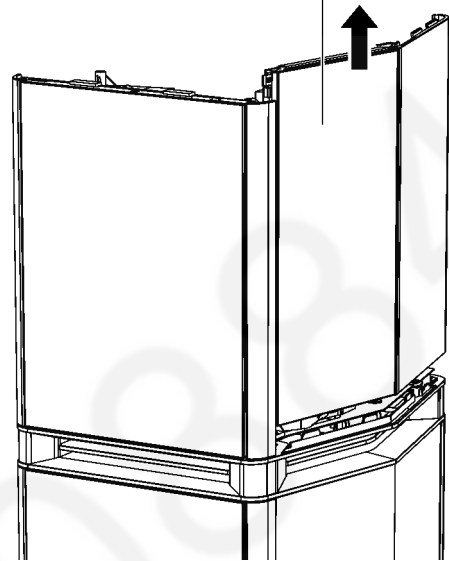
Step 3 Push upward to remove Left Side Panel Assembly.

(Step 3)
Left Side Panel Assembly



Step 4 Push upward to remove Right Side Panel Assembly.

(Step 4)
Right Side Panel Assembly



8.7. Disassembly Upper Front Panel Assembly

- Refer to “Disassembly of Rear Panel”.
- Refer to “Disassembly of Top Panel Unit”.
- Refer to “Disassembly of Left & Right Side Panel Assembly”.

Step 1 Remove 2 screws.

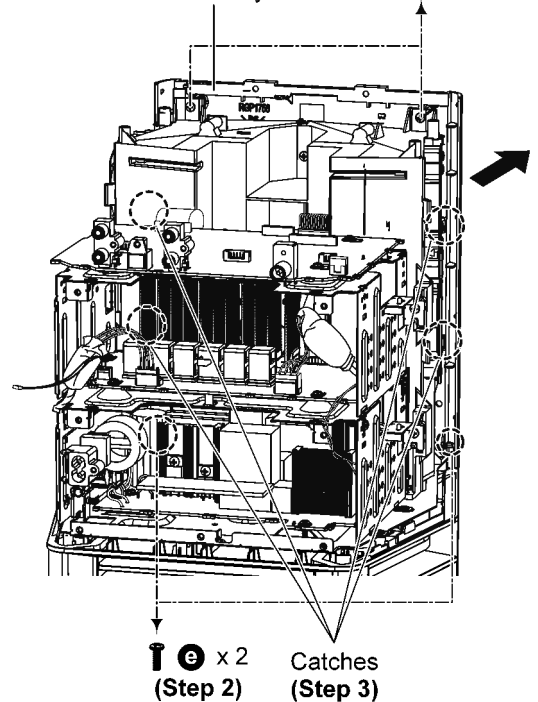
Step 2 Remove 2 screws.

Step 3 Remove catches.

Step 4 Remove Upper Front Panel Assembly.

(Step 4)
Upper Front Panel Assembly

(Step 1)  i x 2



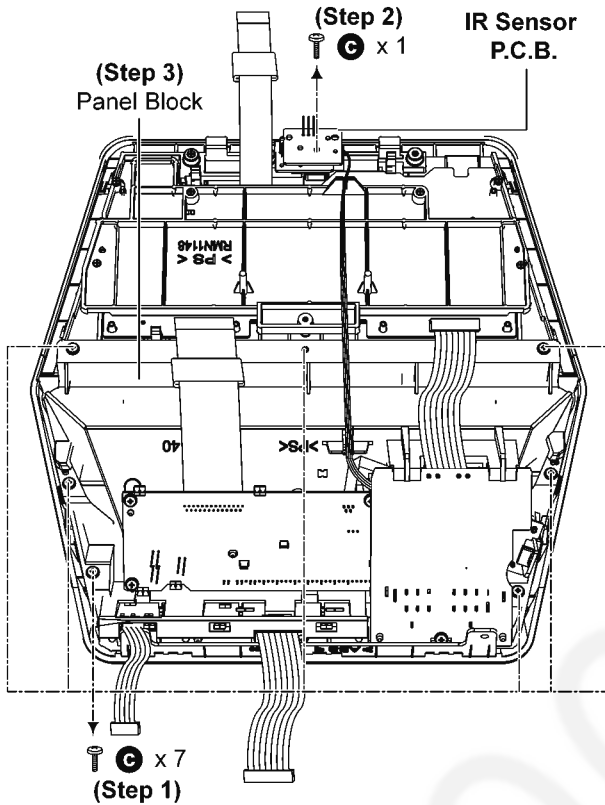
8.8. Disassembly Panel Block

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

Step 1 Remove 7 screws.

Step 2 Remove screw on IR Sensor P.C.B..

Step 3 Remove Panel Block.

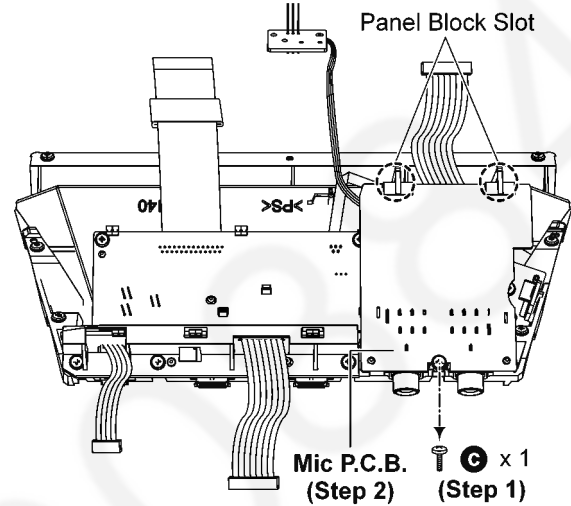


8.9. Disassembly of Mic P.C.B.

- Refer to “Disassembly of Rear Panel”.
- Refer to “Disassembly of Top Panel Unit”.
- Refer to “Disassembly of Panel Block”.

Step 1 Remove screw.

Step 2 Remove Mic P.C.B. from Panel Block Slot.



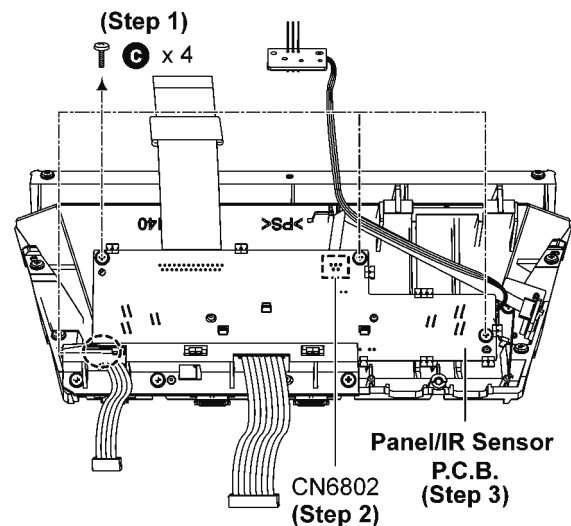
8.10. Disassembly of Panel/IR Sensor P.C.B.

- Refer to “Disassembly of Rear Panel”.
- Refer to “Disassembly of Top Panel Unit”.
- Refer to “Disassembly of Mic P.C.B.”.

Step 1 Remove 4 screws.

Step 2 Detach 5P FFC at connector (CN6802) on Panel/IR Sensor P.C.B..

Step 3 Remove Panel/IR Sensor P.C.B..

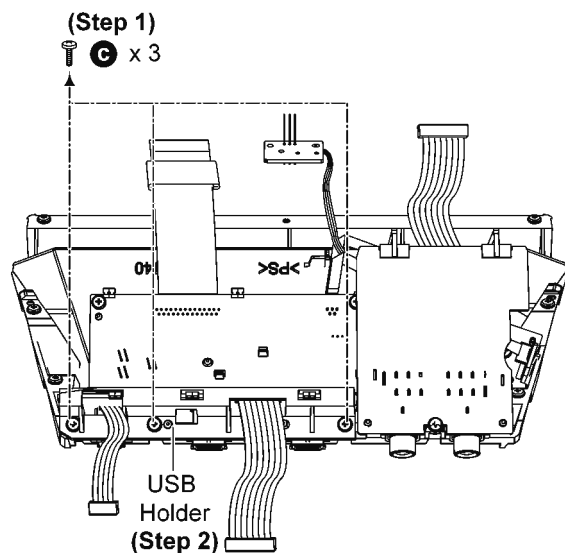


8.11. Disassembly of USB P.C.B.

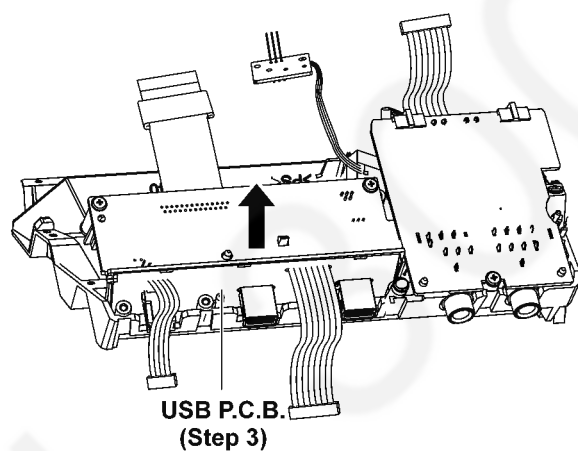
- Refer to “Disassembly of Rear Panel”.
- Refer to “Disassembly of Top Panel Unit”.
- Refer to “Disassembly of Panel Block”.

Step 1 Remove 3 screws.

Step 2 Remove USB Holder.



Step 3 Remove USB P.C.B..



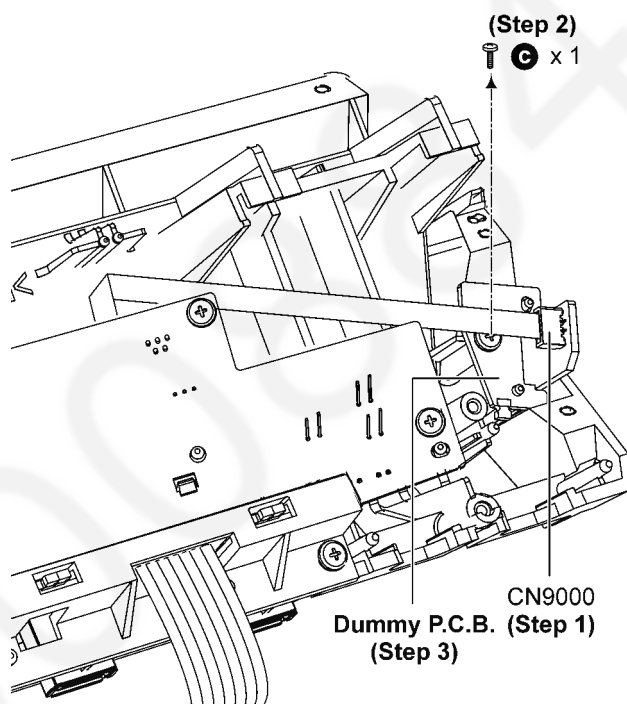
8.12. Disassembly of NFC P.C.B.

- Refer to “Disassembly of Rear Panel”.
- Refer to “Disassembly of Top Panel Unit”.
- Refer to “Disassembly of Mic P.C.B.”.

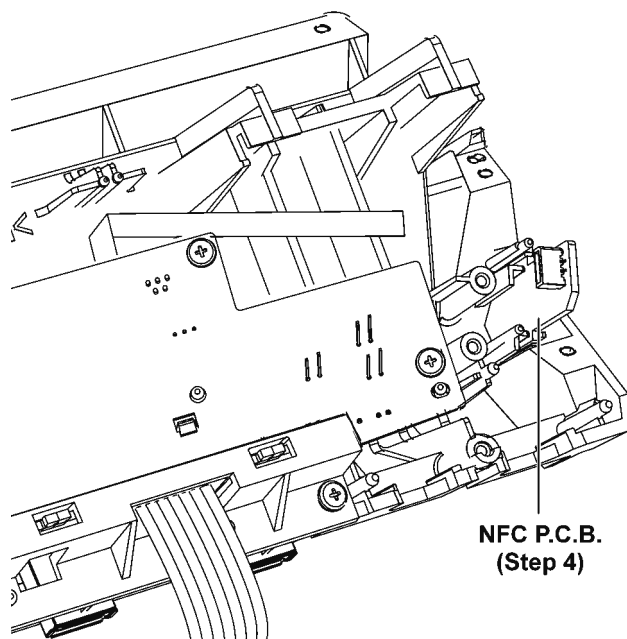
Step 1 Detach 5P FFC at Connector (CN9000) on NFC P.C.B..

Step 2 Remove screw.

Step 3 Remove Dummy P.C.B..



Step 4 Remove NFC P.C.B..



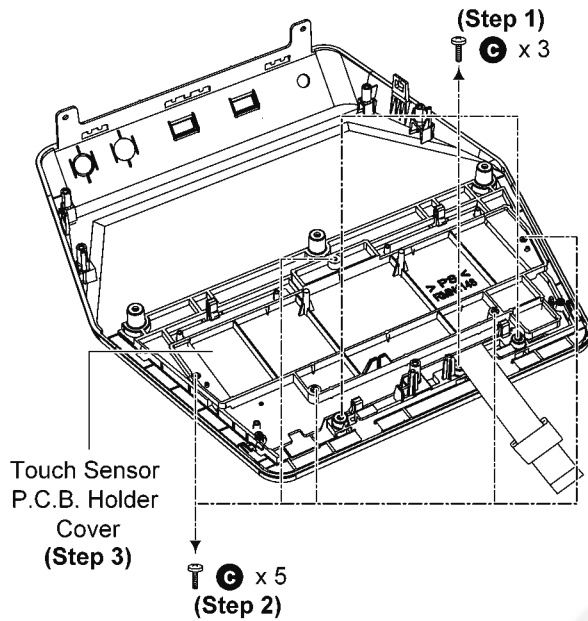
8.13. Disassembly of Touch Sensor P.C.B. Assembly

- Refer to "Disassembly of Rear Panel".
- Refer to "Disassembly of Top Panel Unit".

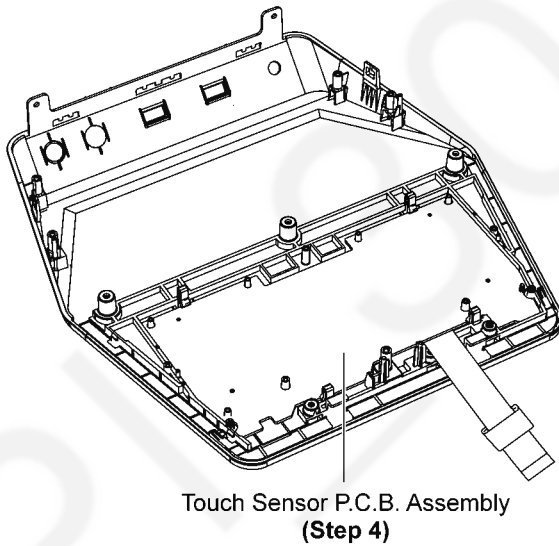
Step 1 Remove 3 screws.

Step 2 Remove 5 screws.

Step 3 Remove Touch Sensor P.C.B. Holder Cover.



Step 4 Remove Touch Sensor P.C.B. Assembly.



8.14. Disassembly of Main P.C.B.

- Refer to "Disassembly of Rear Panel".
- Refer to "Disassembly of Top Panel Unit".

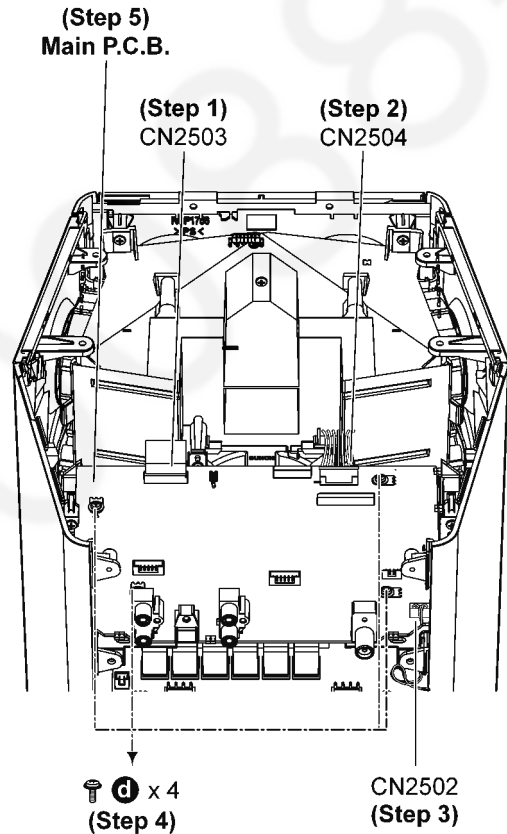
Step 1 Detach 20P FFC at connector (CN2503) on Main P.C.B..

Step 2 Detach 9P Cable at connector (CN2504) on Main P.C.B..

Step 3 Detach 4P Cable at connector (CN2502) on Main P.C.B..

Step 4 Remove 4 screws.

Step 5 Remove Main P.C.B..



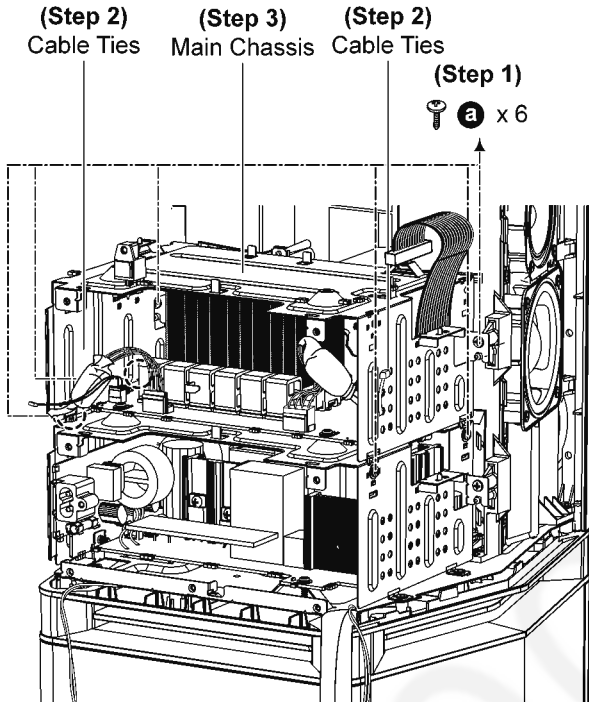
8.15. Disassembly of DAMP P.C.B.

- Refer to “Disassembly of Rear Panel”.
- Refer to “Disassembly of Top Panel Unit”.
- Refer to “Disassembly of Left & Right Side Panel Assembly”.
- Refer to “Disassembly of Main P.C.B.”.

Step 1 Remove 6 screws on Main chassis.

Step 2 Cut 2 Cable Ties.

Step 3 Press to release and remove the Main chassis.



Step 4 Detach 4P Cable at connector (CN3501) on DAMP P.C.B..

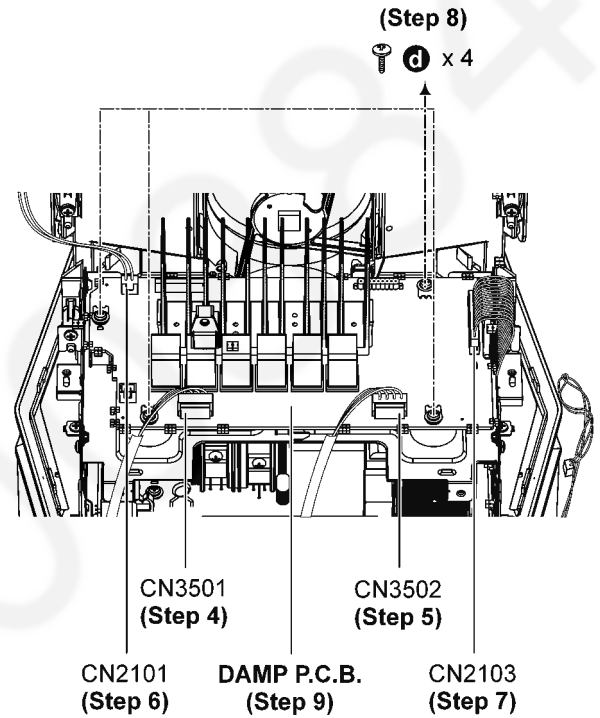
Step 5 Detach 4P Cable at connector (CN3502) on DAMP P.C.B..

Step 6 Detach 2P Cable at connector (CN2101) on DAMP P.C.B..

Step 7 Detach 13P Cable at connector (CN2103) on DAMP P.C.B..

Step 8 Remove 4 screws.

Step 9 Remove DAMP P.C.B..

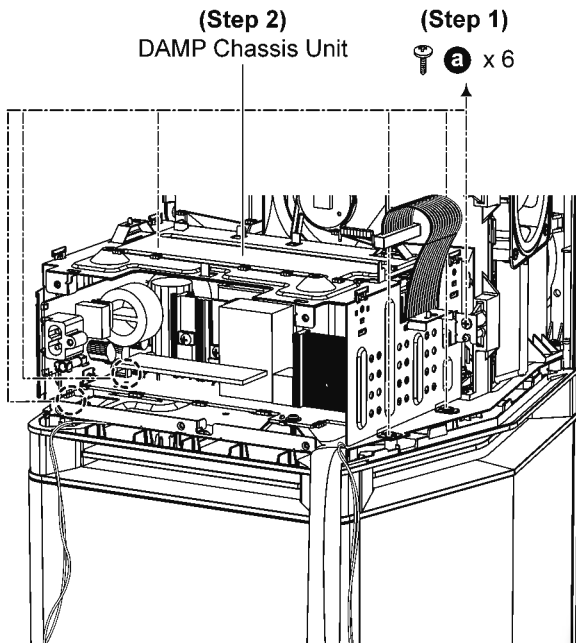


8.16. Disassembly of SMPS/AC Inlet P.C.B.

- Refer to "Disassembly of Rear Panel".
- Refer to "Disassembly of Top Panel Unit".
- Refer to "Disassembly of Left & Right Panel".

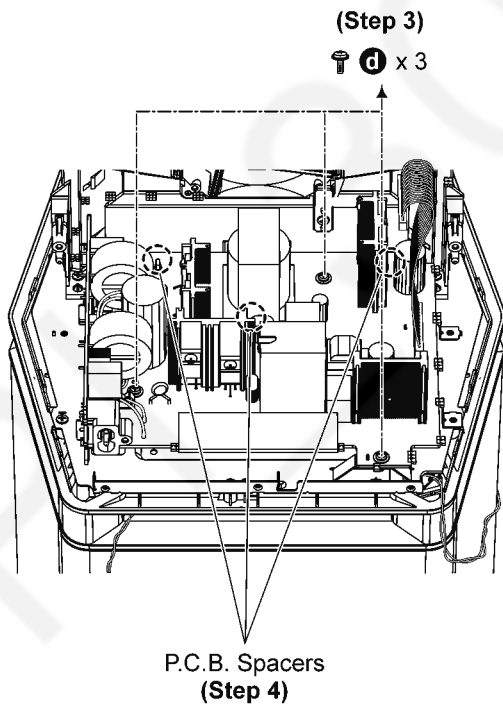
Step 1 Remove 6 screws.

Step 2 Remove DAMP Chassis Unit.



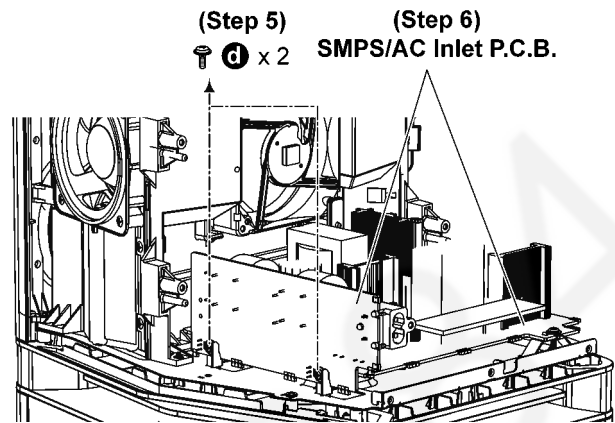
Step 3 Remove 3 screws.

Step 4 Release P.C.B. Spacers.



Step 5 Remove 2 screws on AC Inlet P.C.B..

Step 6 Remove SMPS/AC Inlet P.C.B..

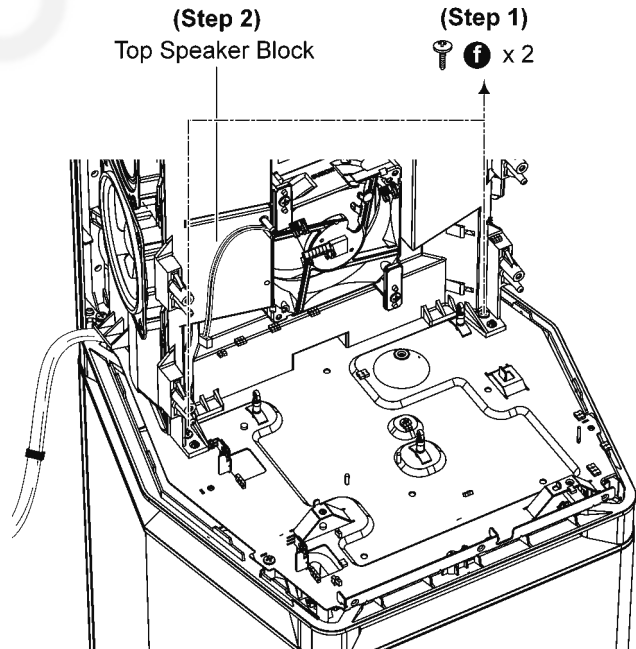


8.17. Disassembly of Top Speaker Block

- Refer to "Disassembly of Rear Panel".
- Refer to "Disassembly of Top Panel Unit".
- Refer to "Disassembly of Left & Right Side Panel Assembly".
- Refer to "Disassembly of Upper Front Panel Assembly".
- Refer to "Disassembly of Main P.C.B.".
 - Refer to "Disassembly of DAMP P.C.B".
 - Refer to "Disassembly of SMPS/AC Inlet P.C.B".

Step 1 Remove 2 screws.

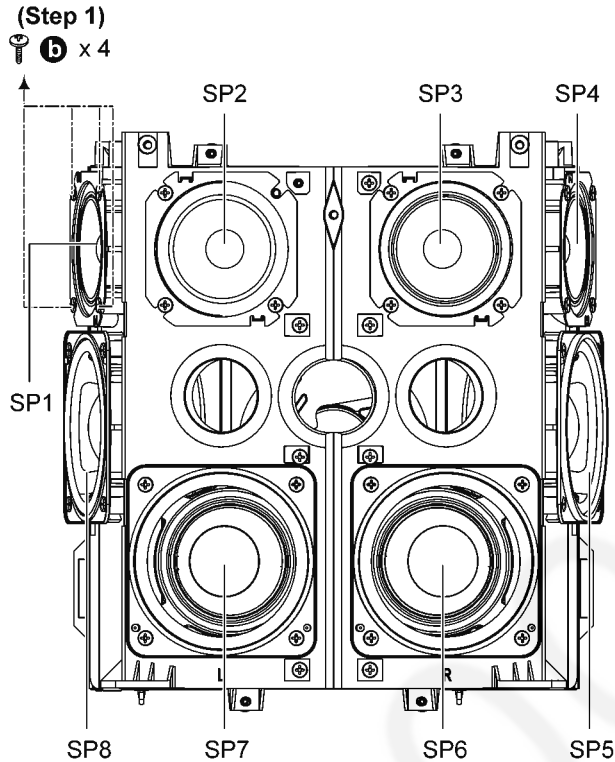
Step 2 Remove the Top Speaker Block.



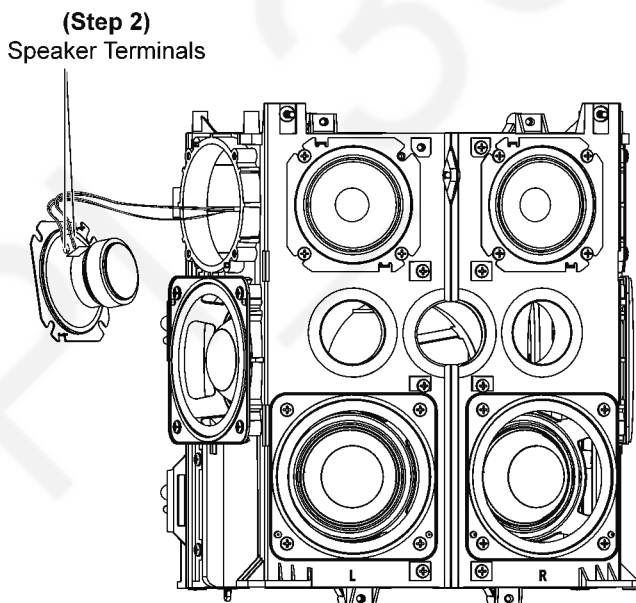
8.18. Disassembly of Speaker Units

- Refer to “Disassembly of Rear Panel”.
- Refer to “Disassembly of Top Panel Unit”.
- Refer to “Disassembly of Left & Right Side Panel Assembly”.
- Refer to “Disassembly of Upper Front Panel Assembly”.

Step 1 For Tweeter Speaker SP1 to SP4, remove 4 screws for each. For Woofer Speaker SP5 to SP8, remove 4 screws for each.



Step 2 Detach 2 speaker terminals from speaker unit.

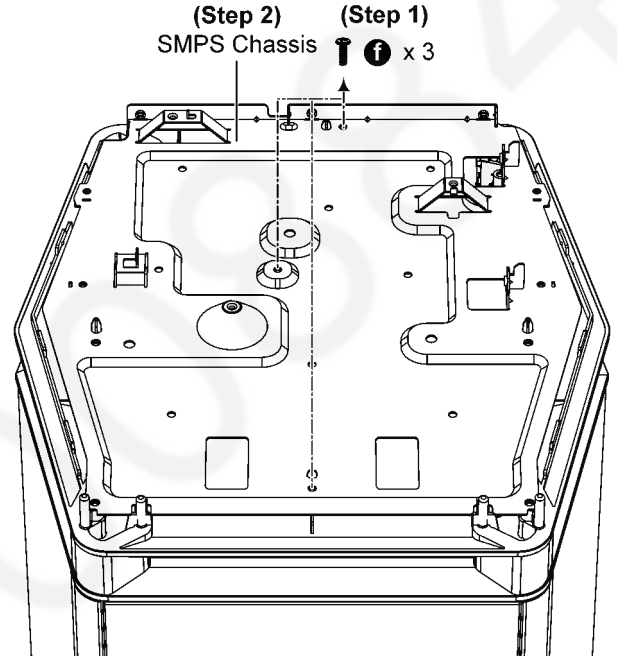


8.19. Disassembly of Lighting P.C.B.

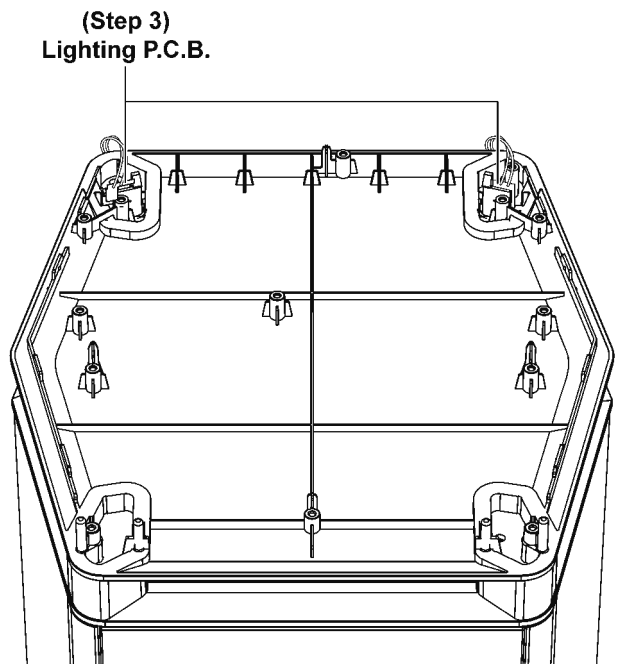
- Refer to “Disassembly of Rear Panel”.
- Refer to “Disassembly of Top Panel Unit”.
- Refer to “Disassembly of Left & Right Side Panel Assembly”.
- Refer to “Disassembly of Upper Front Panel Assembly”.
- Refer to “Disassembly of Top Speaker Block”.

Step 1 Remove 3 screws.

Step 2 Remove SMPS chassis.



Step 3 Remove 2 lighting P.C.B..



9 Service Position

Note: For description of the disassembly procedures, refer Section 8 of the Service Manual.

9.1. Checking of SMPS/AC Inlet, DAMP, Main and Panel/IR Sensor P.C.B.

Step 1 Place Main and Panel/IR Sensor P.C.B. on the insulated material.

Step 2 Attach 27P FFC at connector (CN2500) on Main P.C.B..

Step 3 Attach 17P FFC at connector (CN2501) on Main P.C.B..

Step 4 Attach 20P FFC at connector (CN2503) on Main P.C.B..

Step 5 Attach 9P Cable at connector (CN2504) on Main P.C.B..

Step 6 Attach 4P FFC at connector (CN3501) on DAMP P.C.B..

Step 7 Attach 4P FFC at connector (CN3502) on DAMP P.C.B..

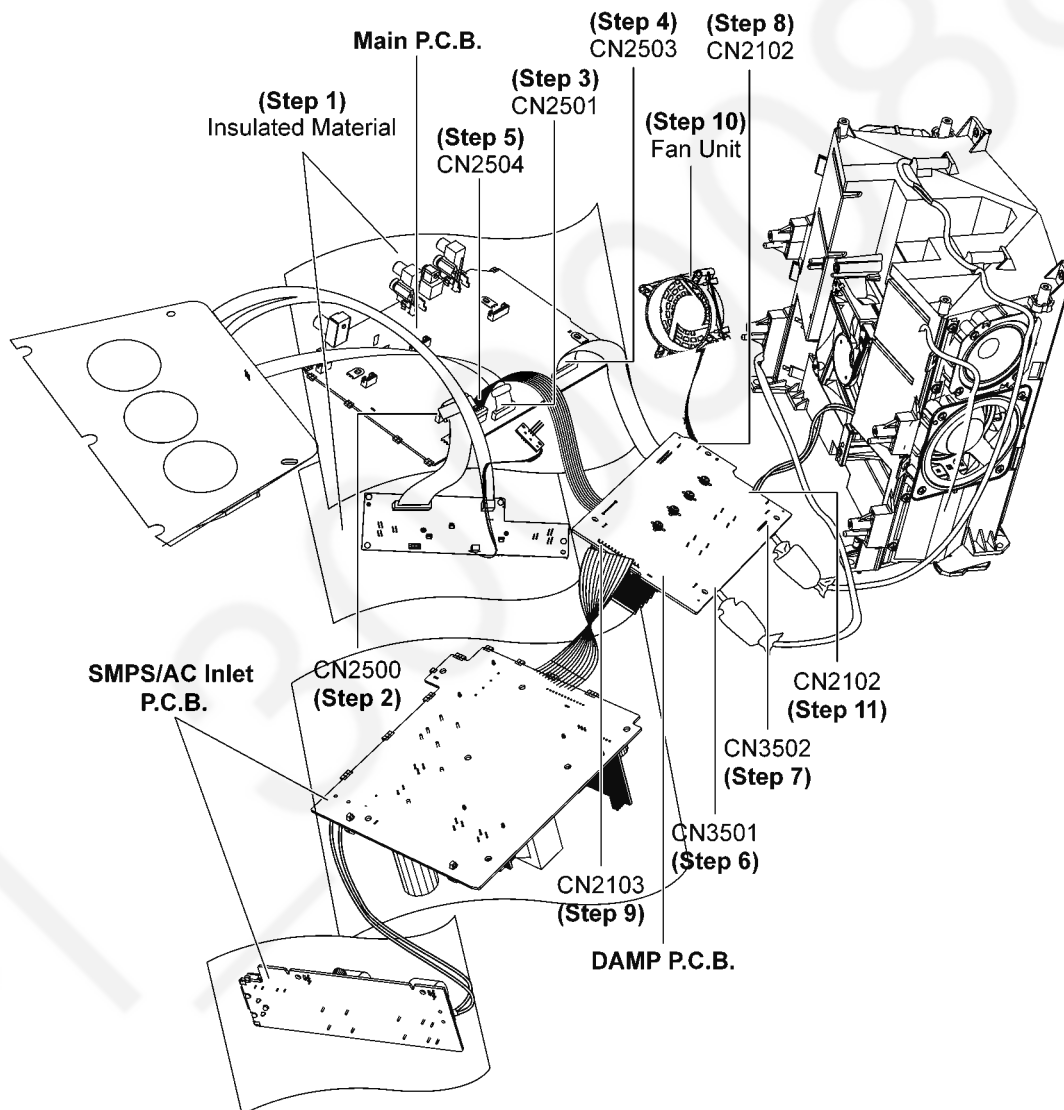
Step 8 Attach 2P FFC at connector (CN2101) on DAMP P.C.B..

Step 9 Attach 13P FFC at connector (CN2103) on DAMP P.C.B..

Step 10 Remove Fan Unit from Rear Panel.

Step 11 Attach 2P Cable at connector (CN2102) on DAMP P.C.B..

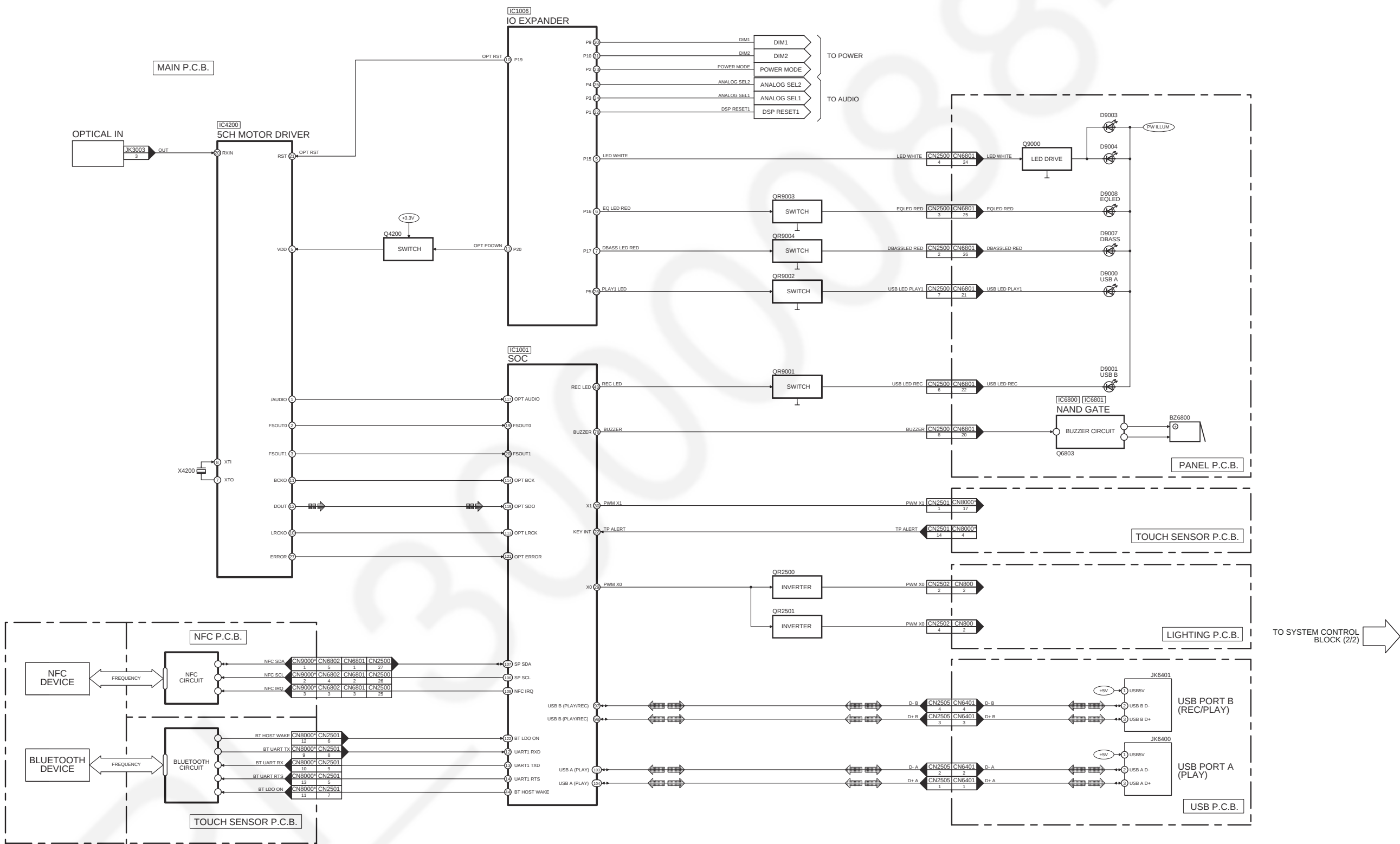
Step 12 SMPS/AC Inlet, DAMP, Panel/IR Sensor and Main P.C.B. can be checked as diagram shown.



10 Block Diagram

10.1. System Control

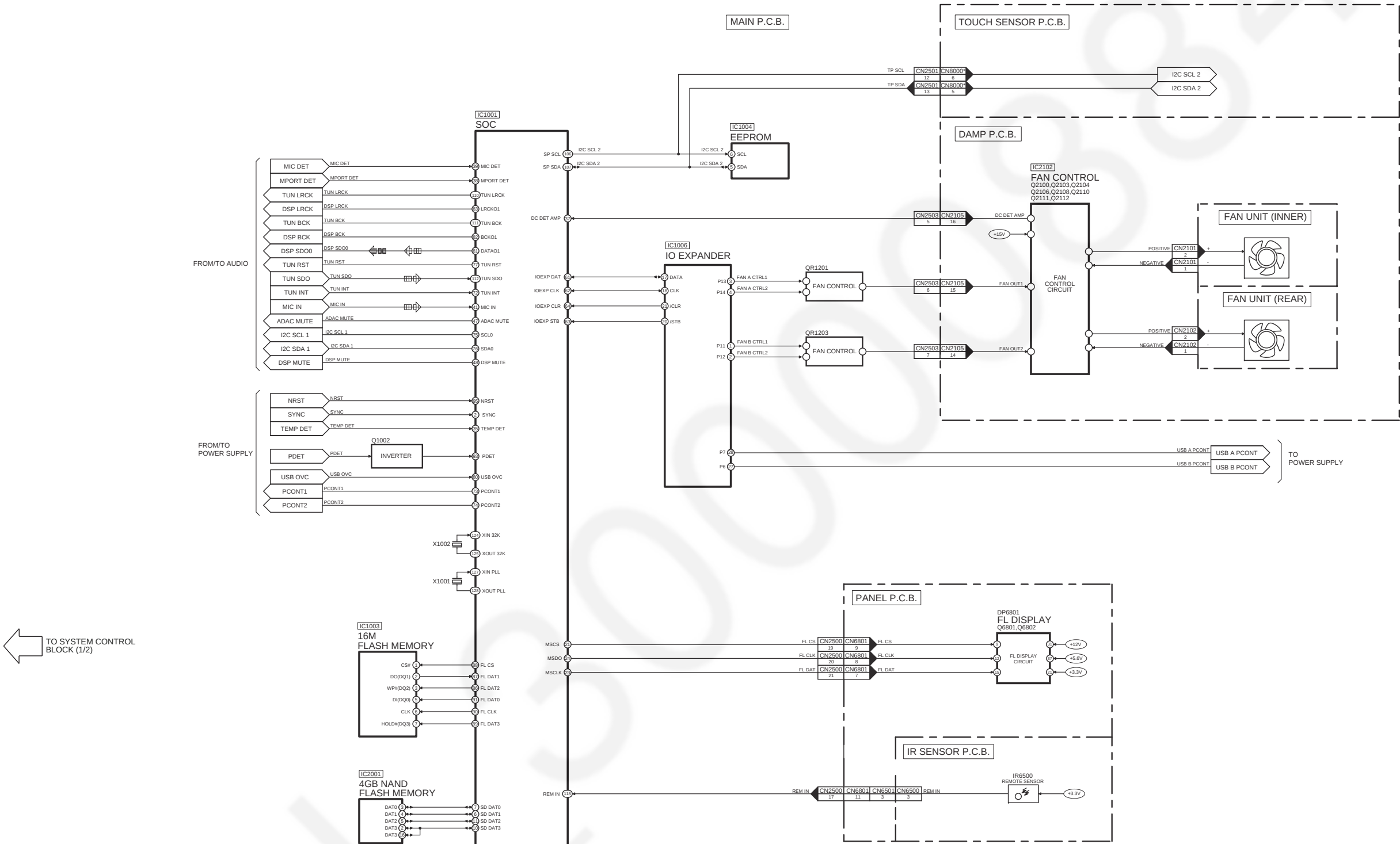
 : OPTICAL SIGNAL LINE
  : USB SIGNAL LINE



NOTE: " * " REF IS FOR INDICATION ONLY

SC-UA7E/PC/PH/PR SYSTEM CONTROL (1/2) BLOCK DIAGRAM

 : TUNER/AUX SIGNAL LINE
  : USB SIGNAL LINE

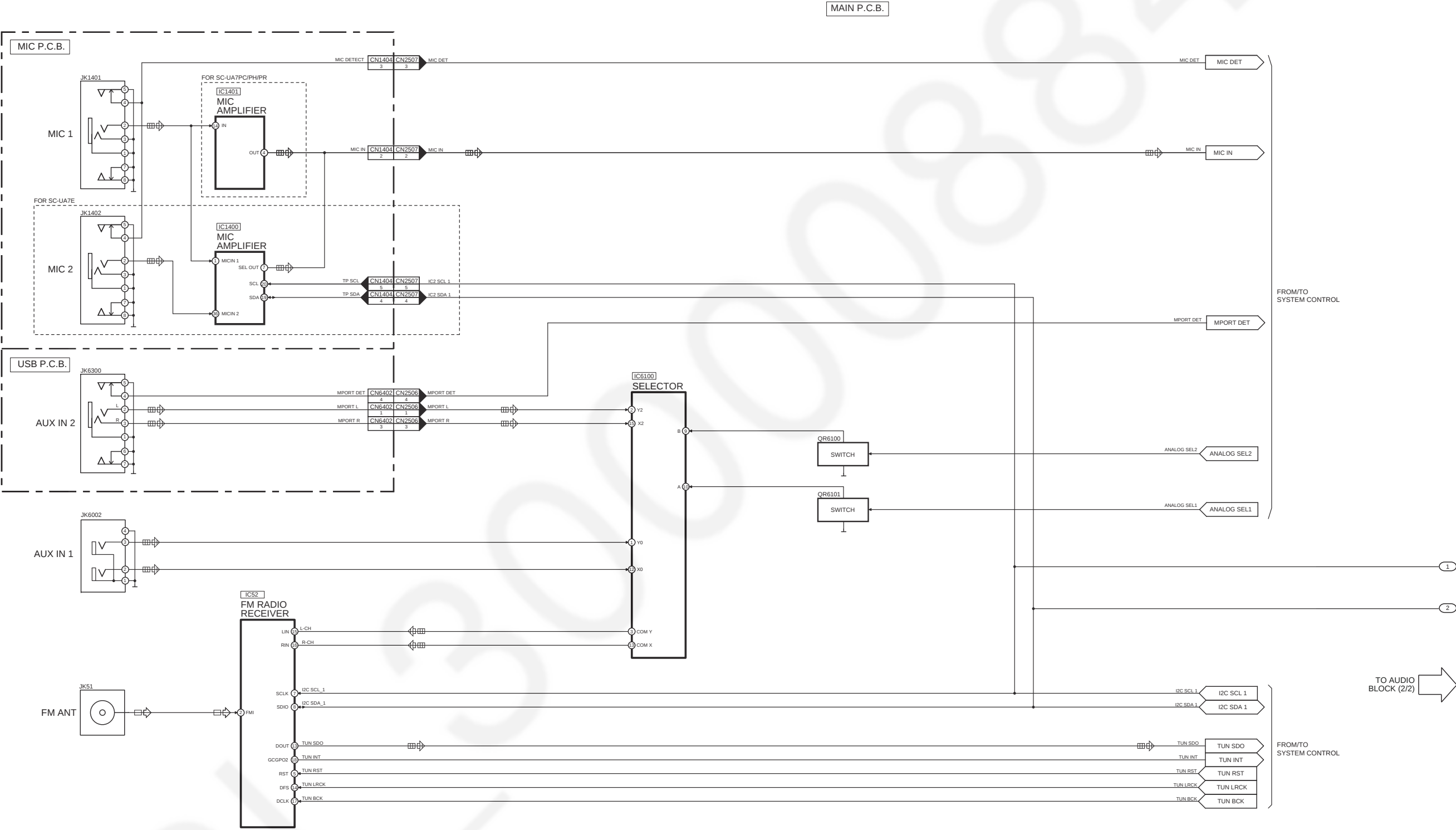


 TO SYSTEM CONTROL BLOCK (1/2)

SC-UA7E/PC/PH/PR SYSTEM CONTROL (2/2) BLOCK DIAGRAM

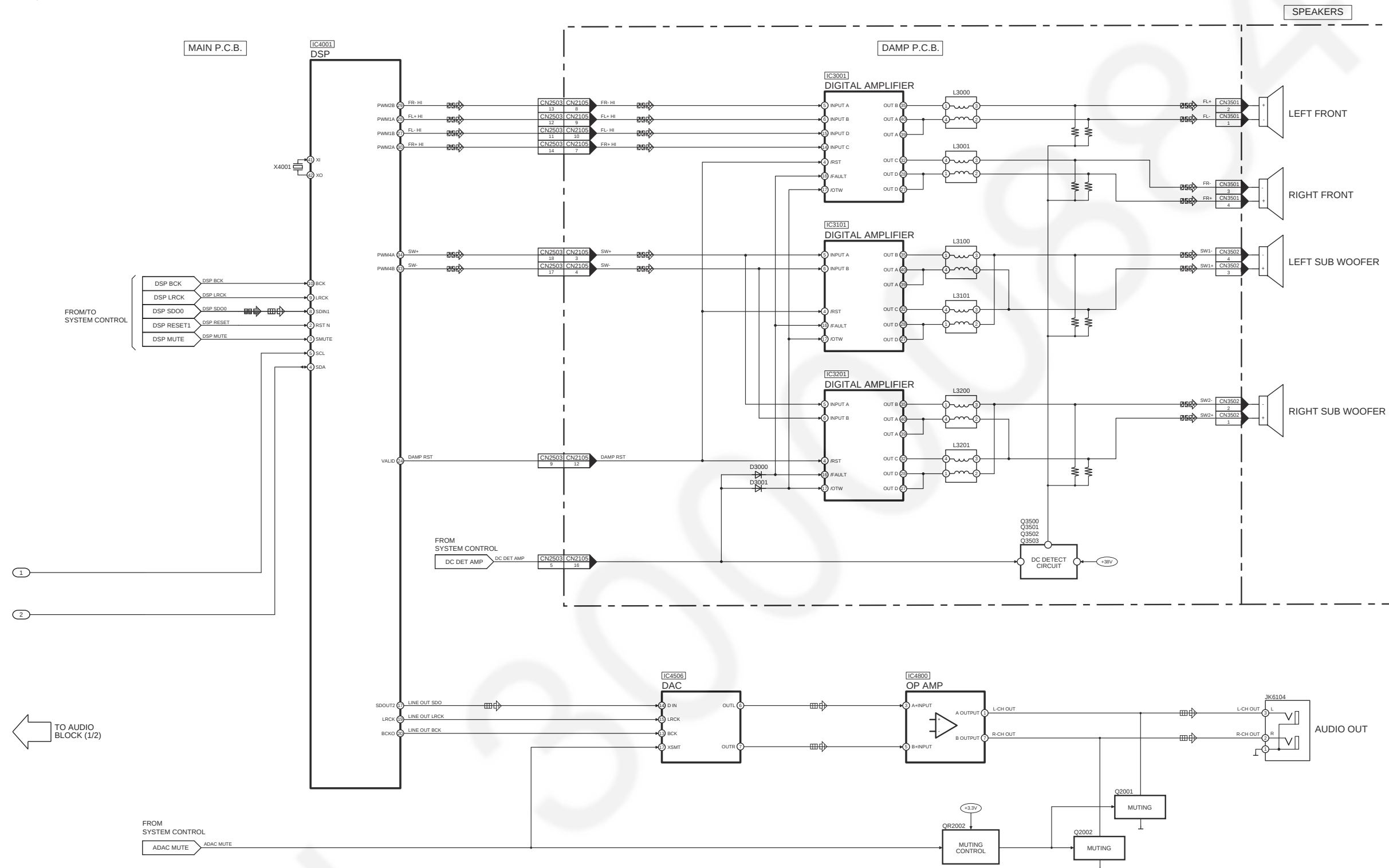
10.2. Audio

 : TUNER/AUX/MIC SIGNAL LINE
  : OUTPUT SIGNAL LINE
  : FM SIGNAL LINE



SC-UA7E/PC/PH/PR AUDIO (1/2) BLOCK DIAGRAM

 : TUNER/AUX/MIC SIGNAL LINE
  : OUTPUT SIGNAL LINE
  : FM SIGNAL LINE

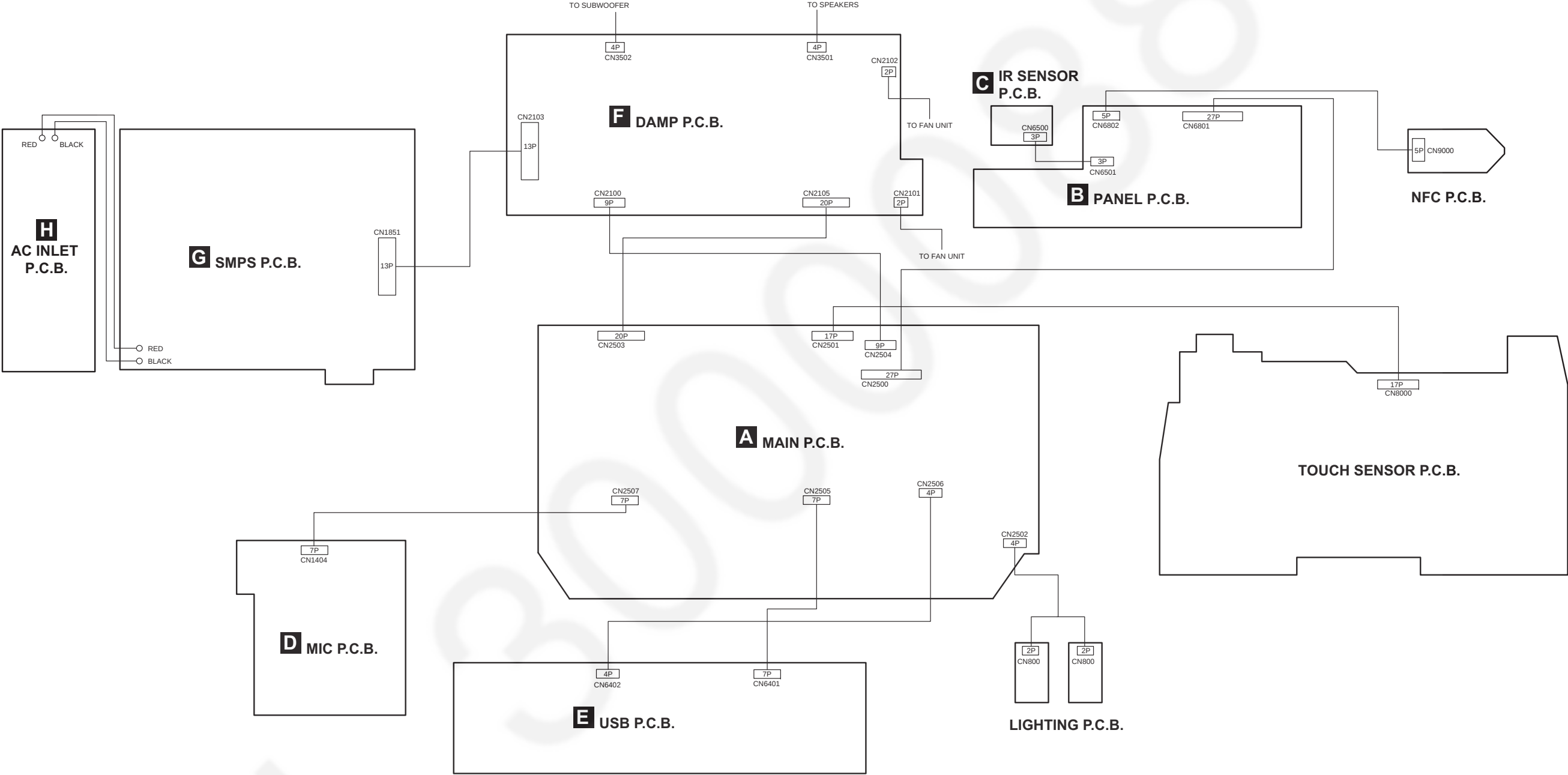


SC-UA7E/PC/PH/PR AUDIO (2/2) BLOCK DIAGRAM



SC-UA7E/PC/PH/PR POWER SUPPLY (1/2) BLOCK DIAGRAM

11 Wiring Connection Diagram



SC-UA7E/PC/PH/PR WIRING CONNECTION DIAGRAM

12 Schematic Diagram

12.1. Schematic Diagram Notes

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

- 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:
C1001, C1002, C1003, C1004, C1007, C1008, C1409, C1518 (For E/PC)
C1001, C1006, C1007, C1008, C1409, C1518 (For PH/PR)
- **Resistor**
Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).
- **Capacitor**
Unit of capacitance is μ F, unless otherwise noted. F=Farads, pF=pico-Farad.
- **Coil**
Unit of inductance is H, unless otherwise noted.
- *****
REF IS FOR INDICATION ONLY.

• Voltage and signal line

- : +B signal line
- : -B signal line
-  : Tuner/Aux/Mic/Optical signal line
-  : Audio signal line
-  : USB signal line
-  : FM signal line

FUSE CAUTION



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

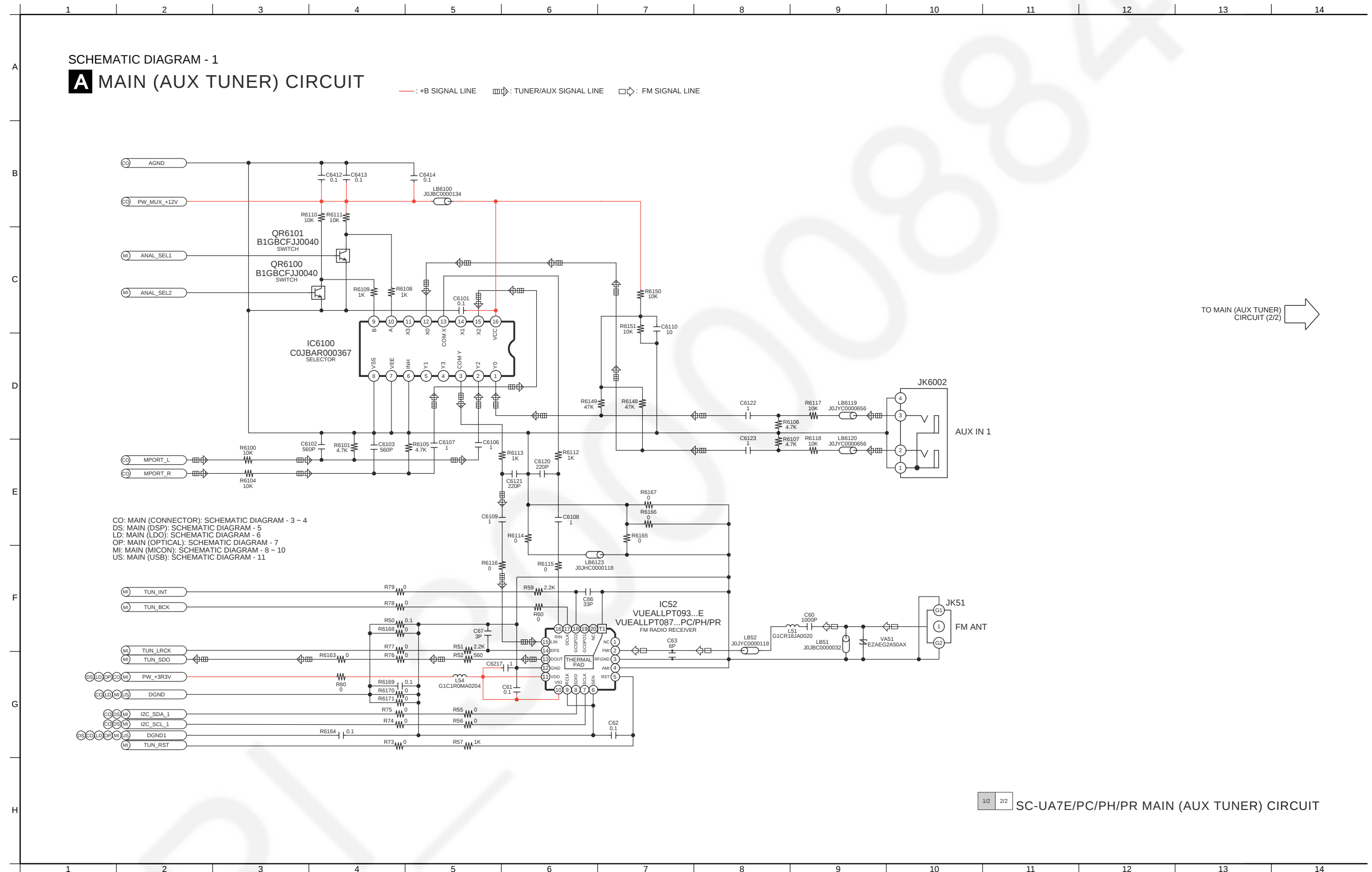
CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME
TYPE F1001 T10AH 250V FUSE
TYPE F1401 T500mA 250V FUSE
TYPE F1501 T5A 250V FUSE



RISK OF FIRE-REPLACE FUSE AS MARKED.

PI-30000884

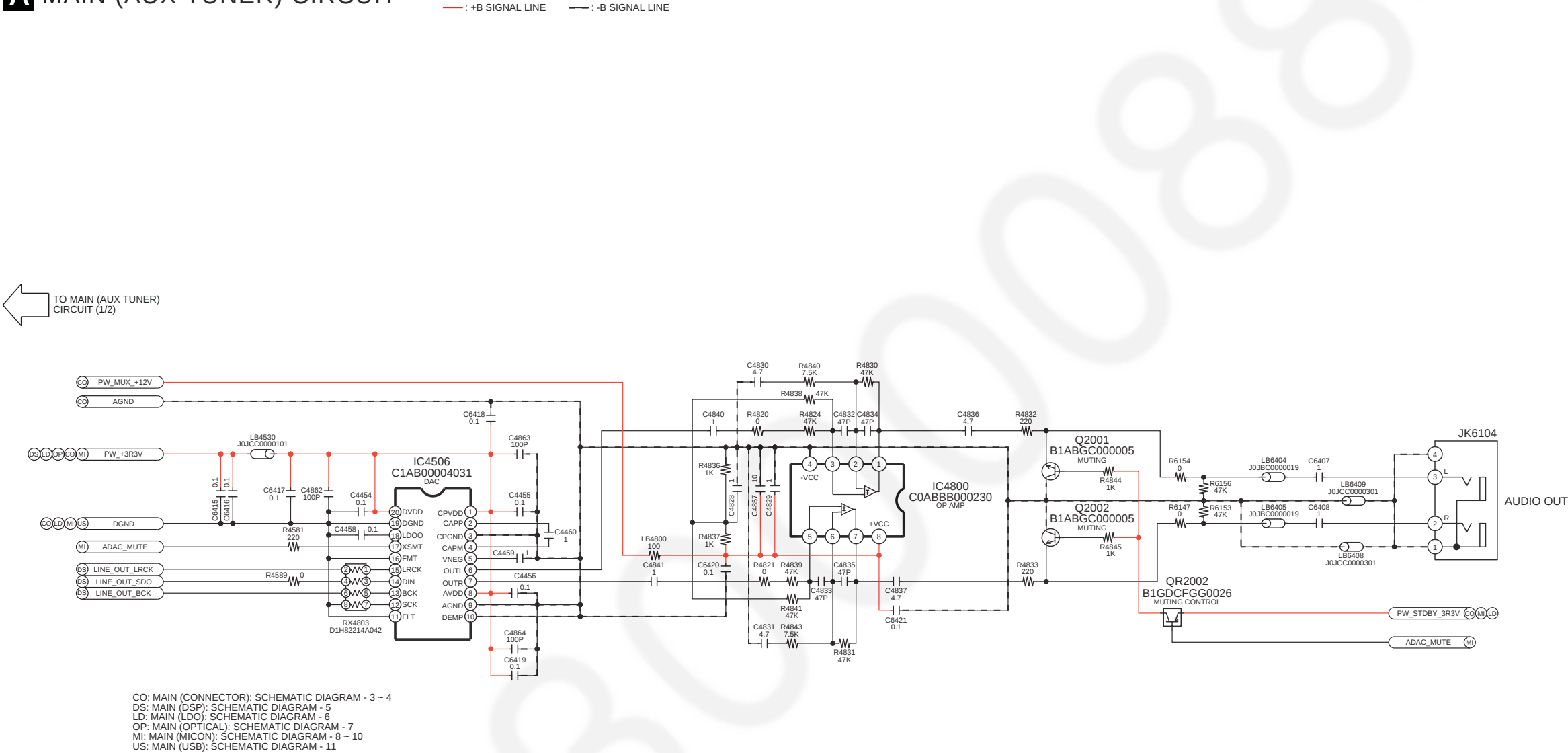
12.2. Main (AUX Tuner) Circuit (1/2)



12.3. Main (AUX Tuner) Circuit (2/2)

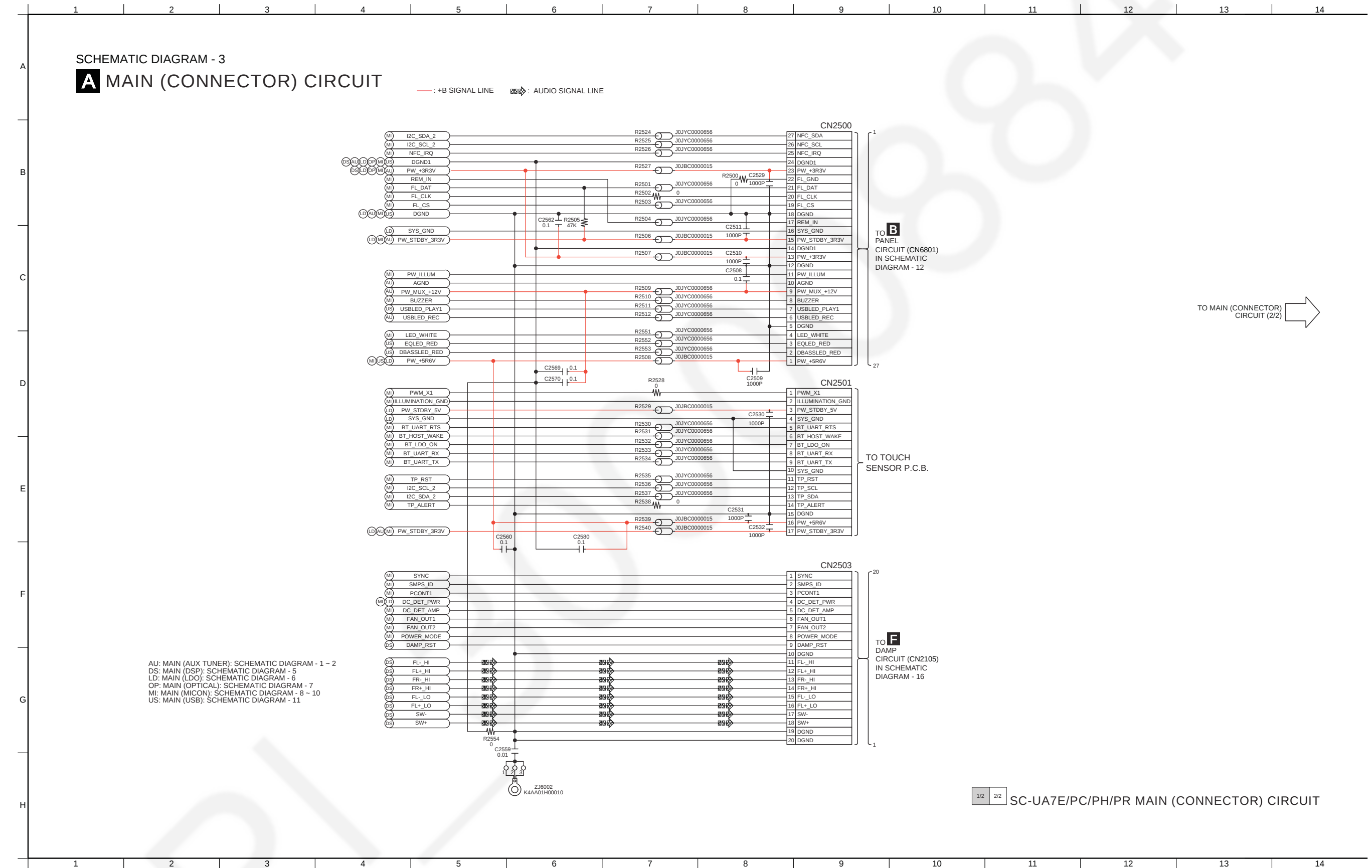
SCHEMATIC DIAGRAM - 2

A MAIN (AUX TUNER) CIRCUIT



1/2 2/2 SC-UA7E/PC/PH/PR MAIN (AUX TUNER) CIRCUIT

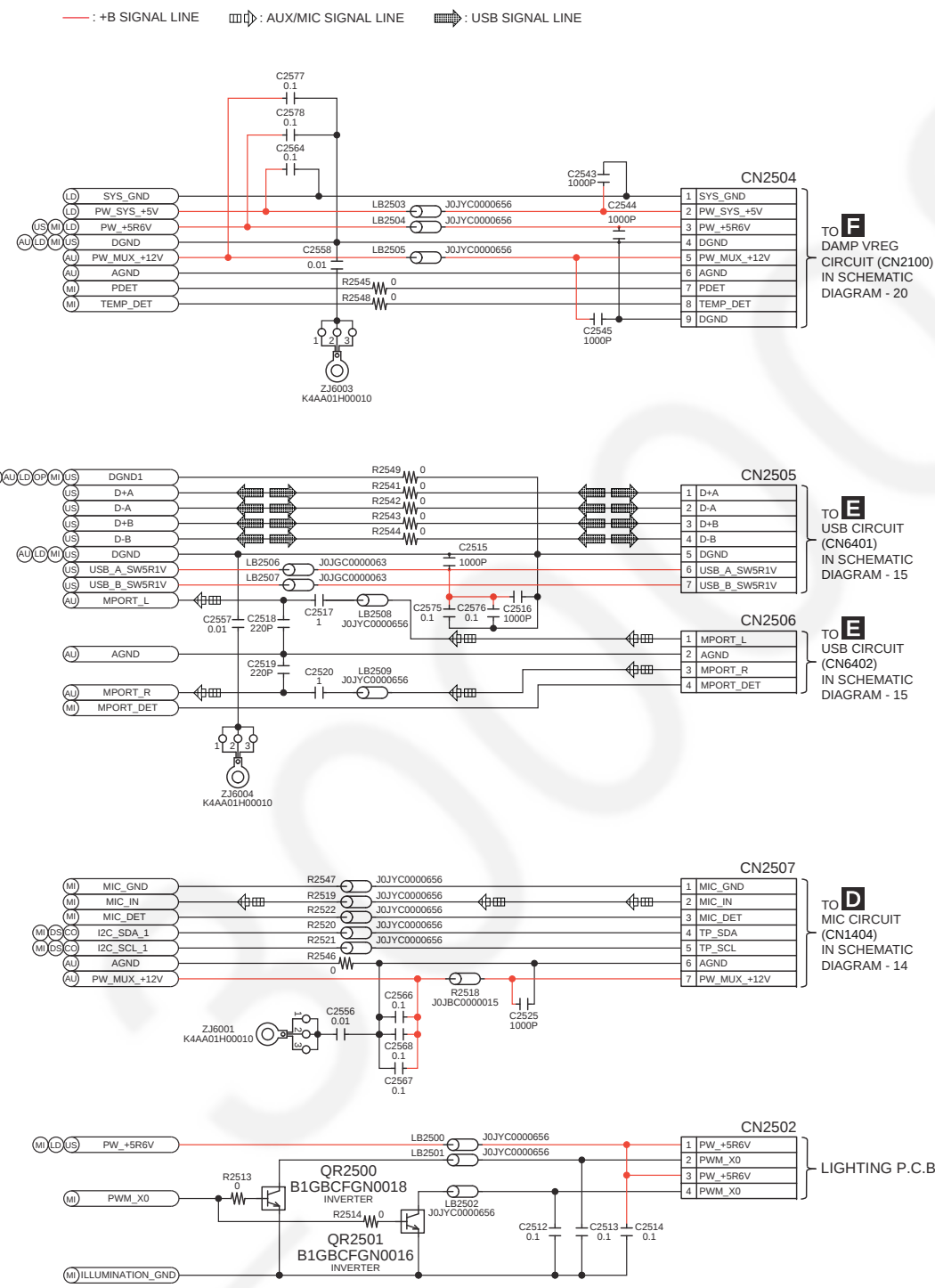
12.4. Main (Connector) Circuit (1/2)



12.5. Main (Connector) Circuit (2/2)

SCHEMATIC DIAGRAM - 4

A MAIN (CONNECTOR) CIRCUIT

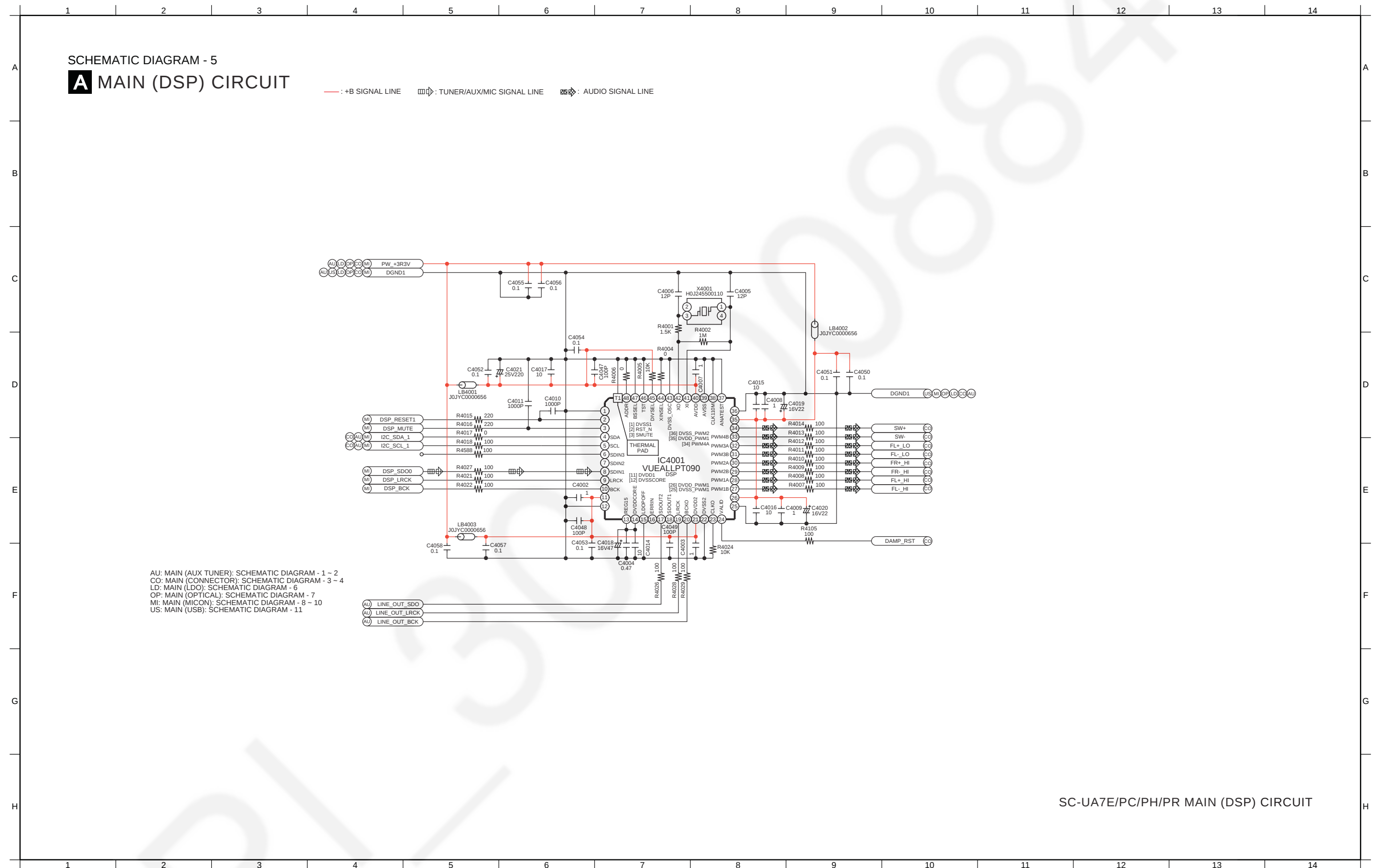


AU: MAIN (AUX TUNER): SCHEMATIC DIAGRAM - 1 ~ 2
DS: MAIN (DSP): SCHEMATIC DIAGRAM - 5
LD: MAIN (LDO): SCHEMATIC DIAGRAM - 6
OP: MAIN (OPTICAL): SCHEMATIC DIAGRAM - 7
MI: MAIN (MICON): SCHEMATIC DIAGRAM - 8 ~ 10
US: MAIN (USB): SCHEMATIC DIAGRAM - 11

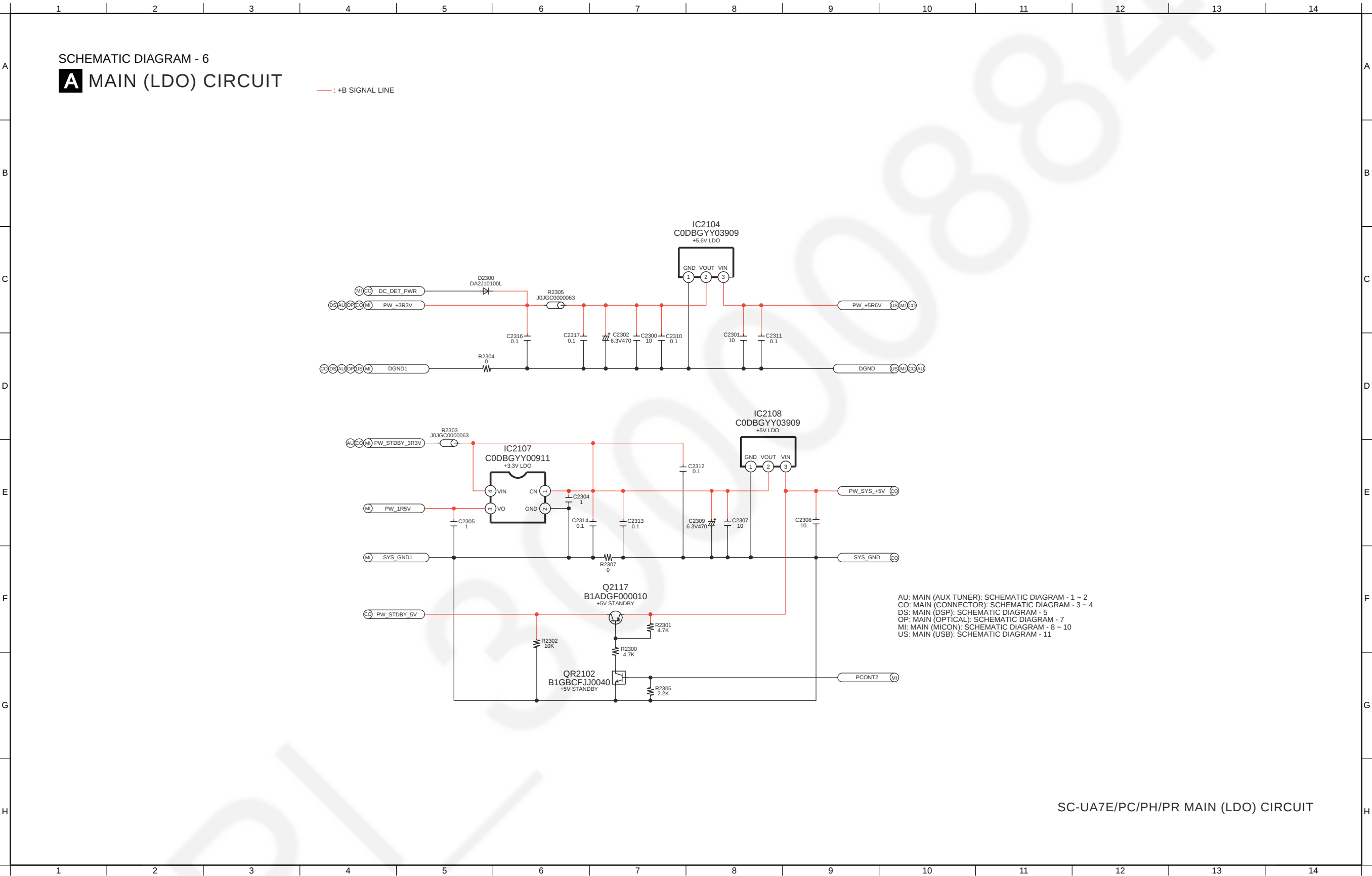
1/2	2/2
-----	-----

SC-UA7E/PC/PH/PR MAIN (CONNECTOR) CIRCUIT

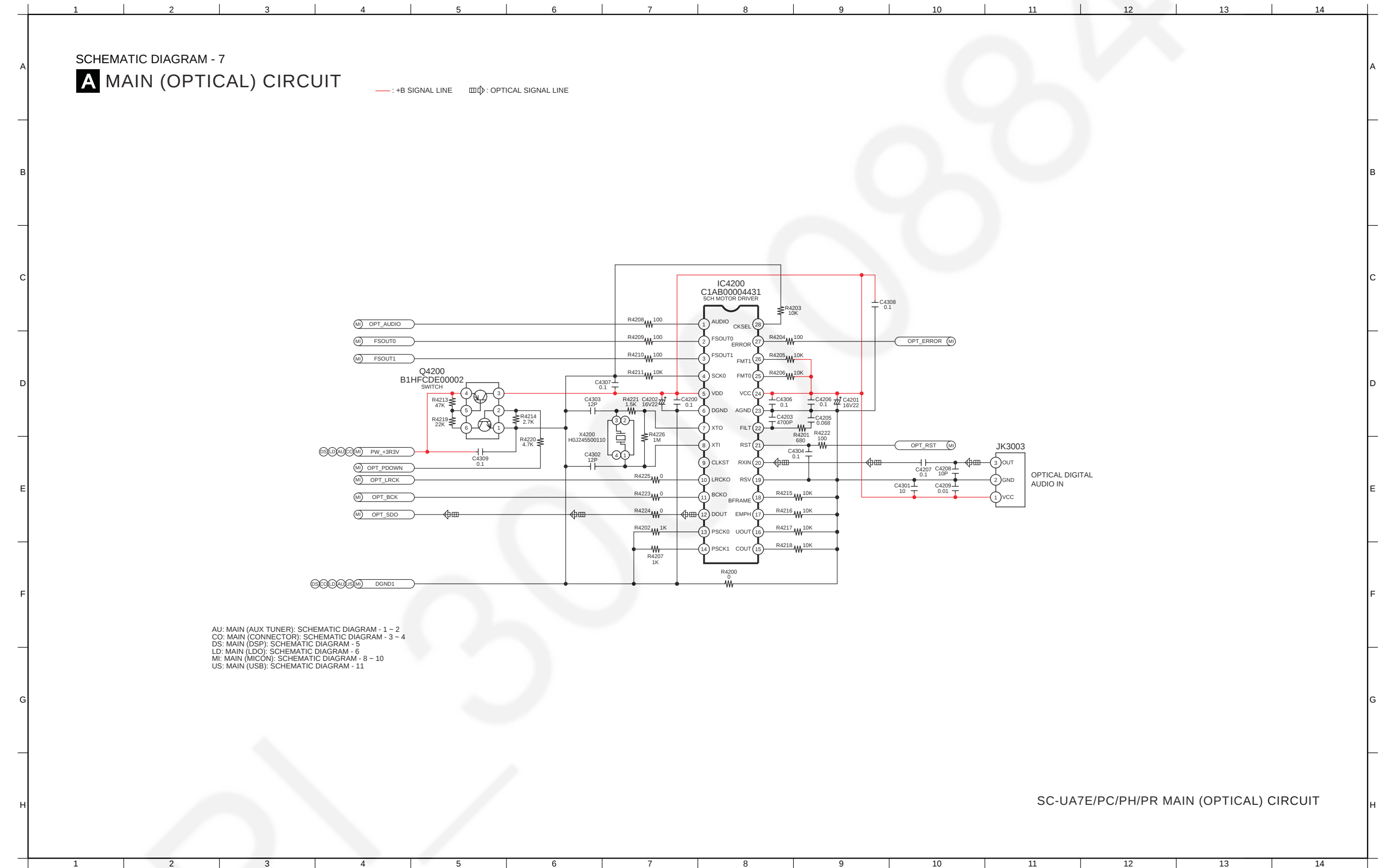
12.6. Main (DSP) Circuit



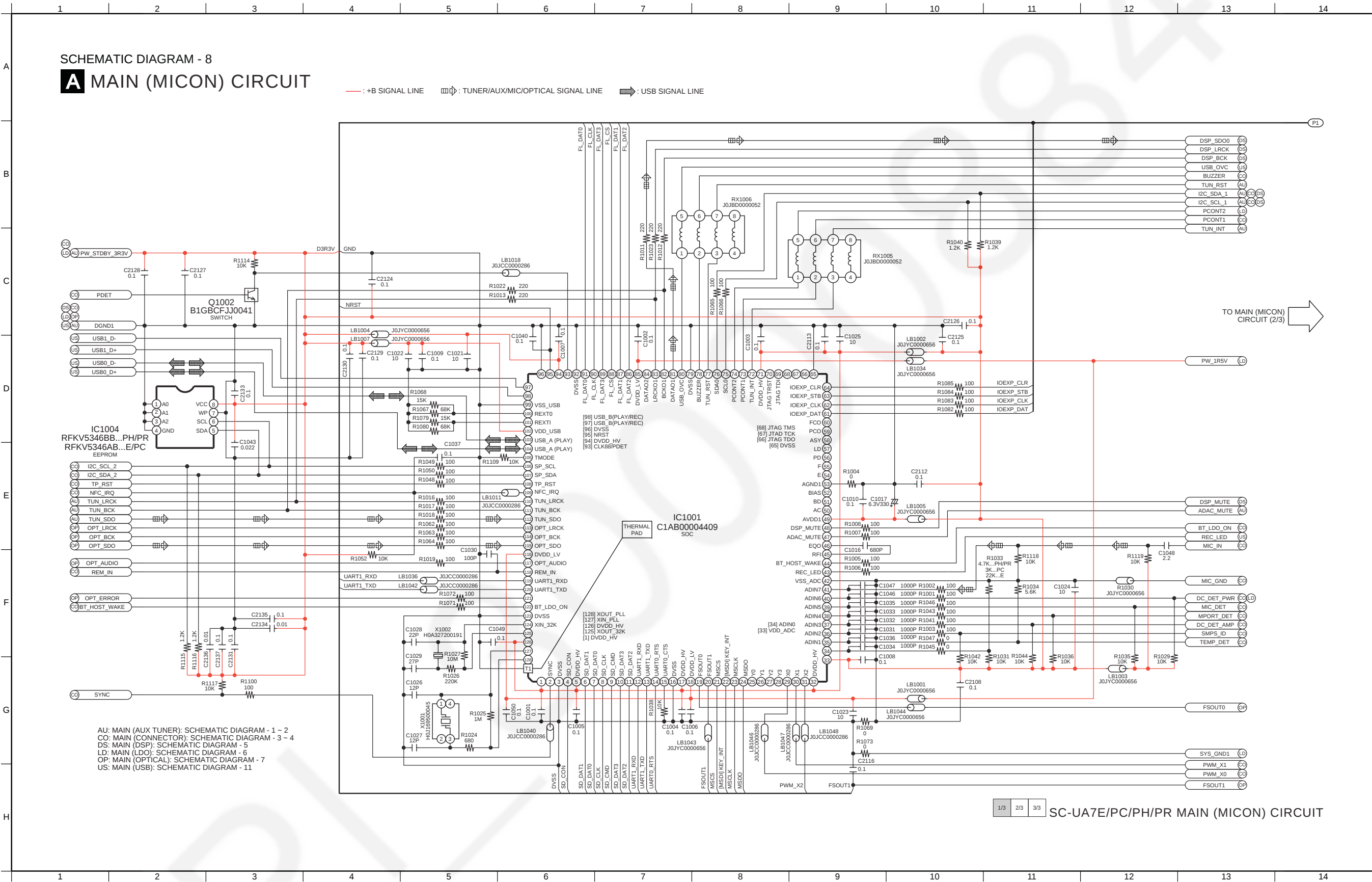
12.7. Main (LDO) Circuit



12.8. Main (Optical) Circuit



12.9. Main (MICON) Circuit (1/3)

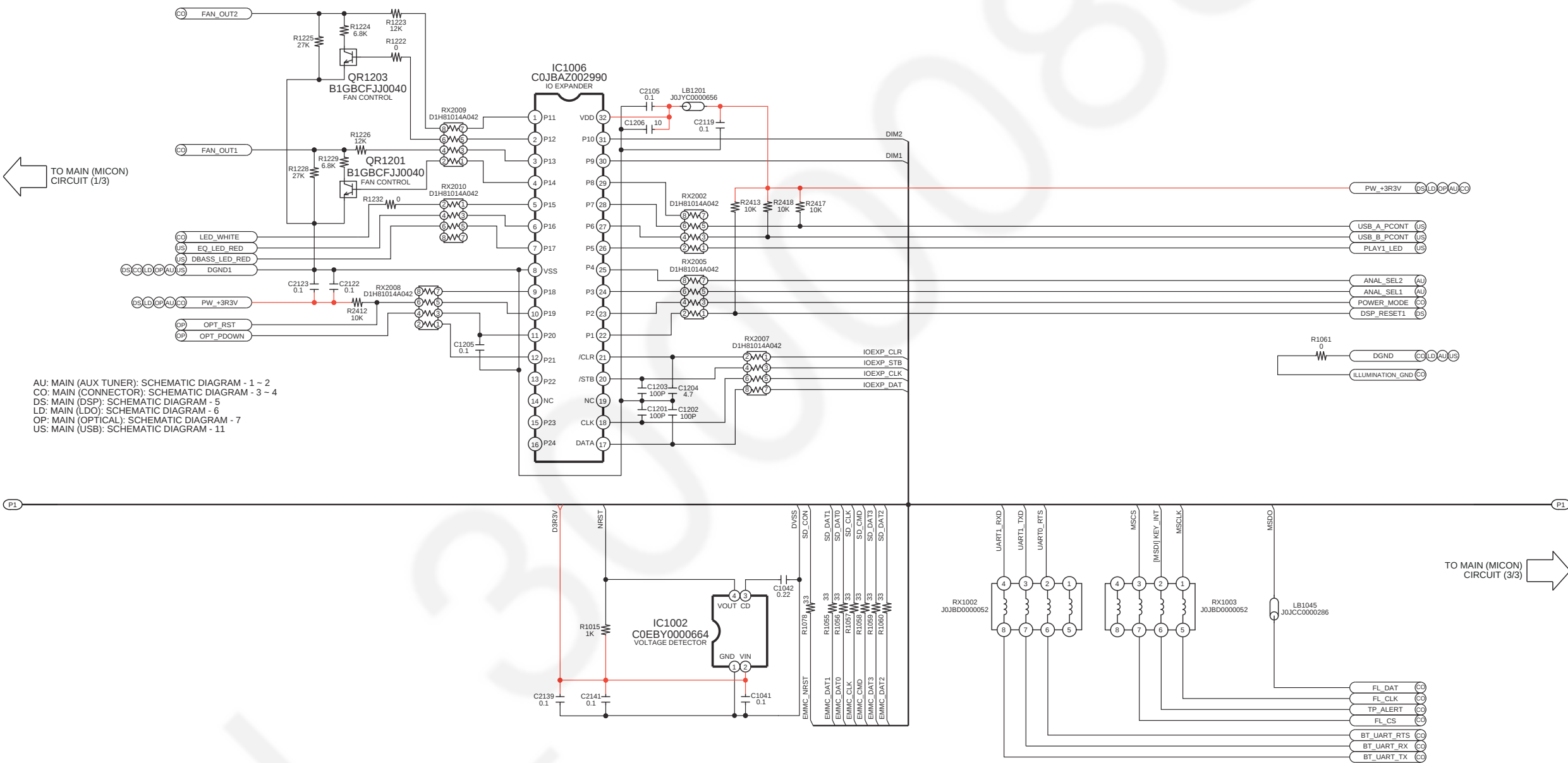


12.10. Main (MICON) Circuit (2/3)

SCHEMATIC DIAGRAM - 9

A MAIN (MICON) CIRCUIT

— : +B SIGNAL LINE



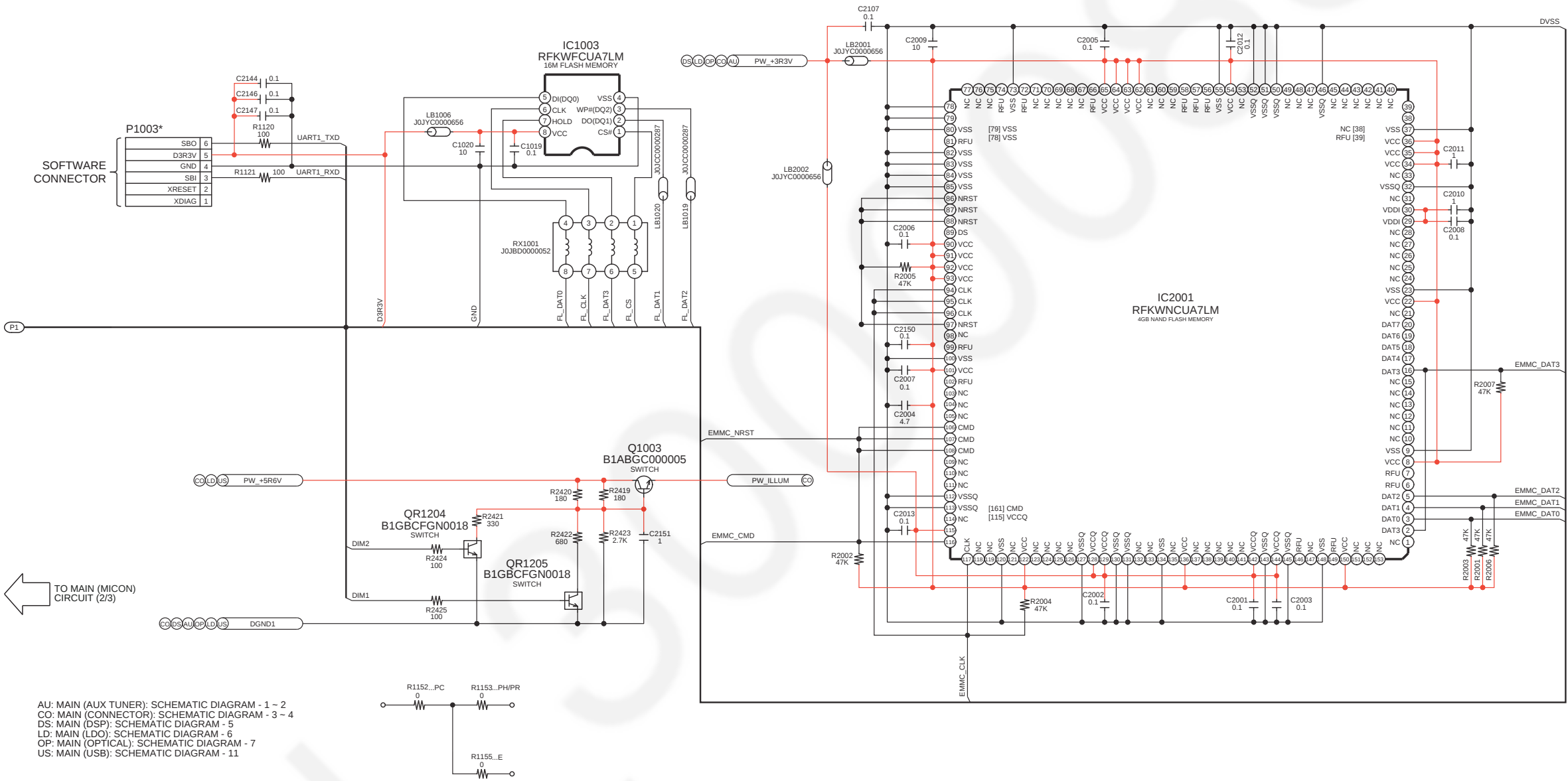
SC-UA7E/PC/PH/PR MAIN (MICON) CIRCUIT

12.11. Main (MICON) Circuit (3/3)

SCHEMATIC DIAGRAM - 10

A MAIN (MICON) CIRCUIT

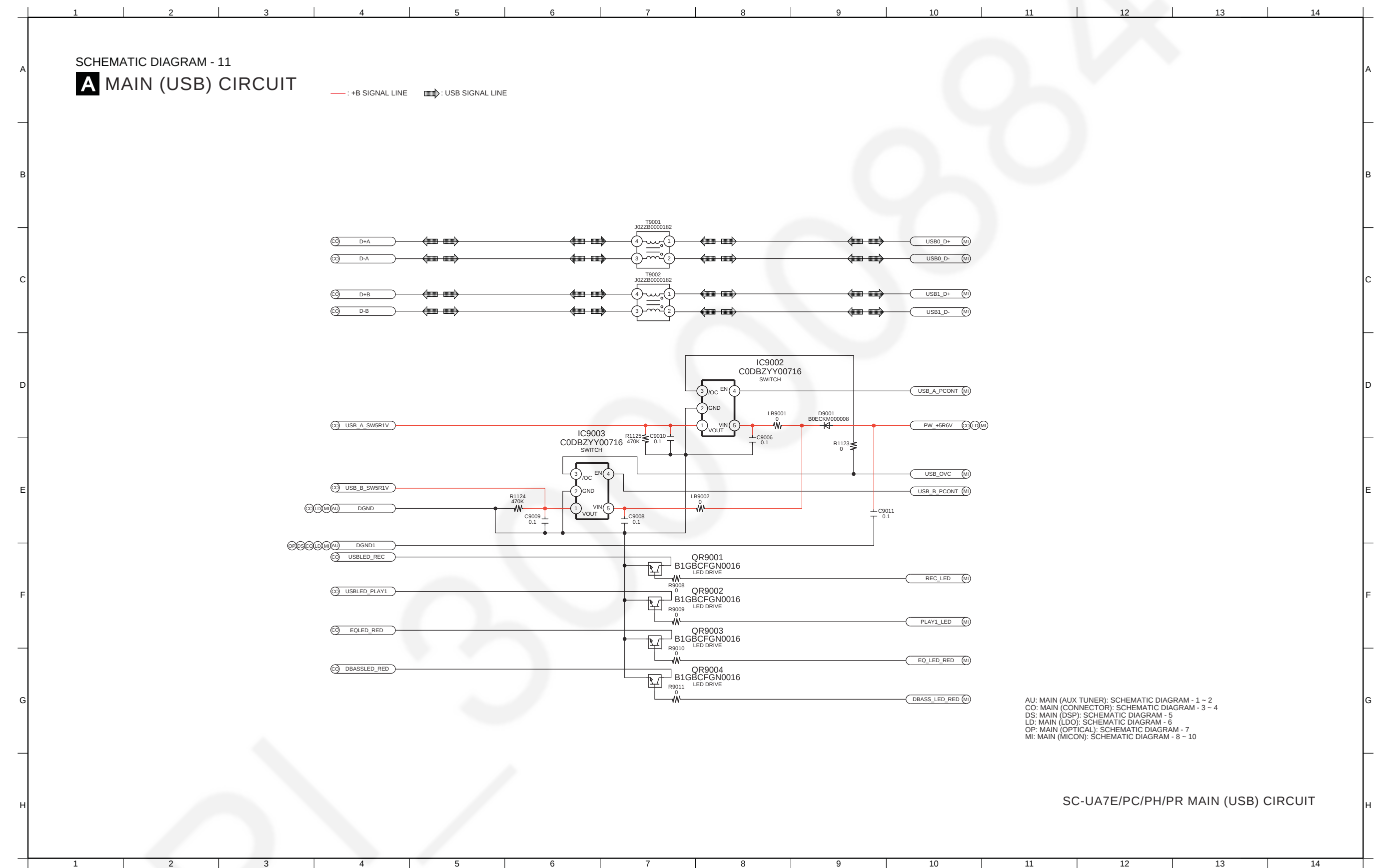
— : +B SIGNAL LINE



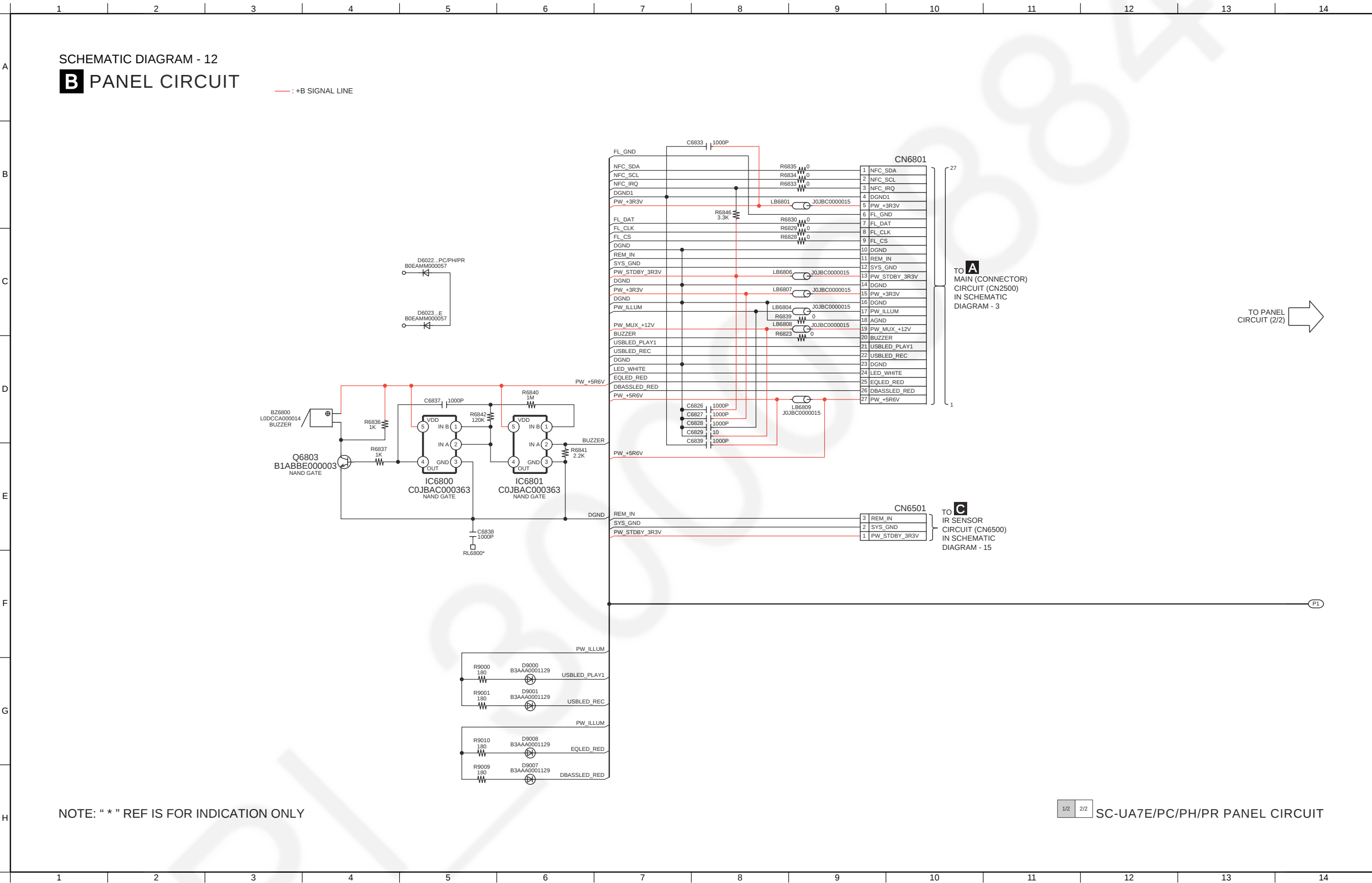
NOTE: " * " REF IS FOR INDICATION ONLY

1/3 2/3 3/3 SC-UA7E/PC/PH/PR MAIN (MICON) CIRCUIT

12.12. Main (USB) Circuit



12.13. Panel Circuit (1/2)

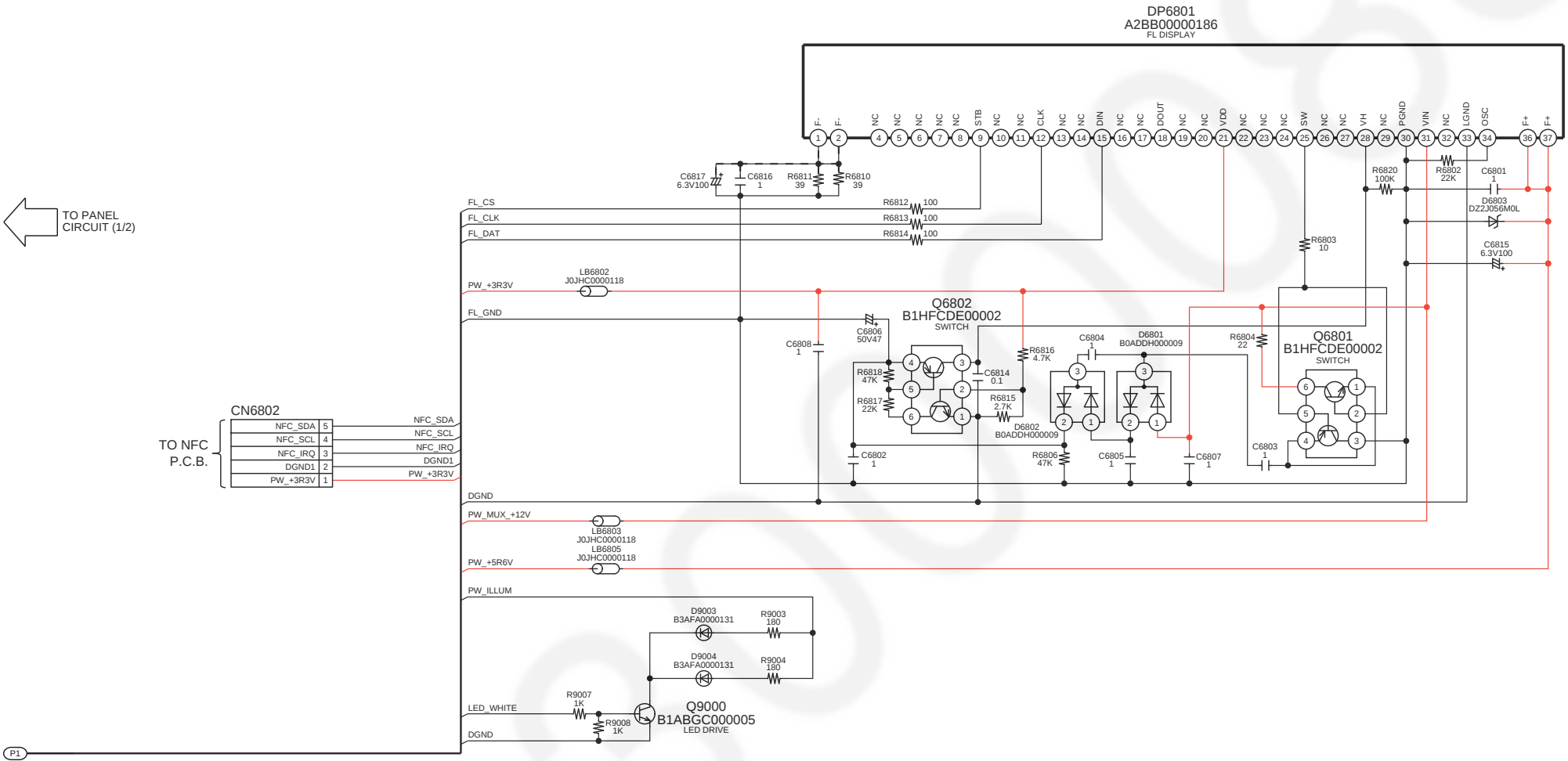


12.14. Panel Circuit (2/2)

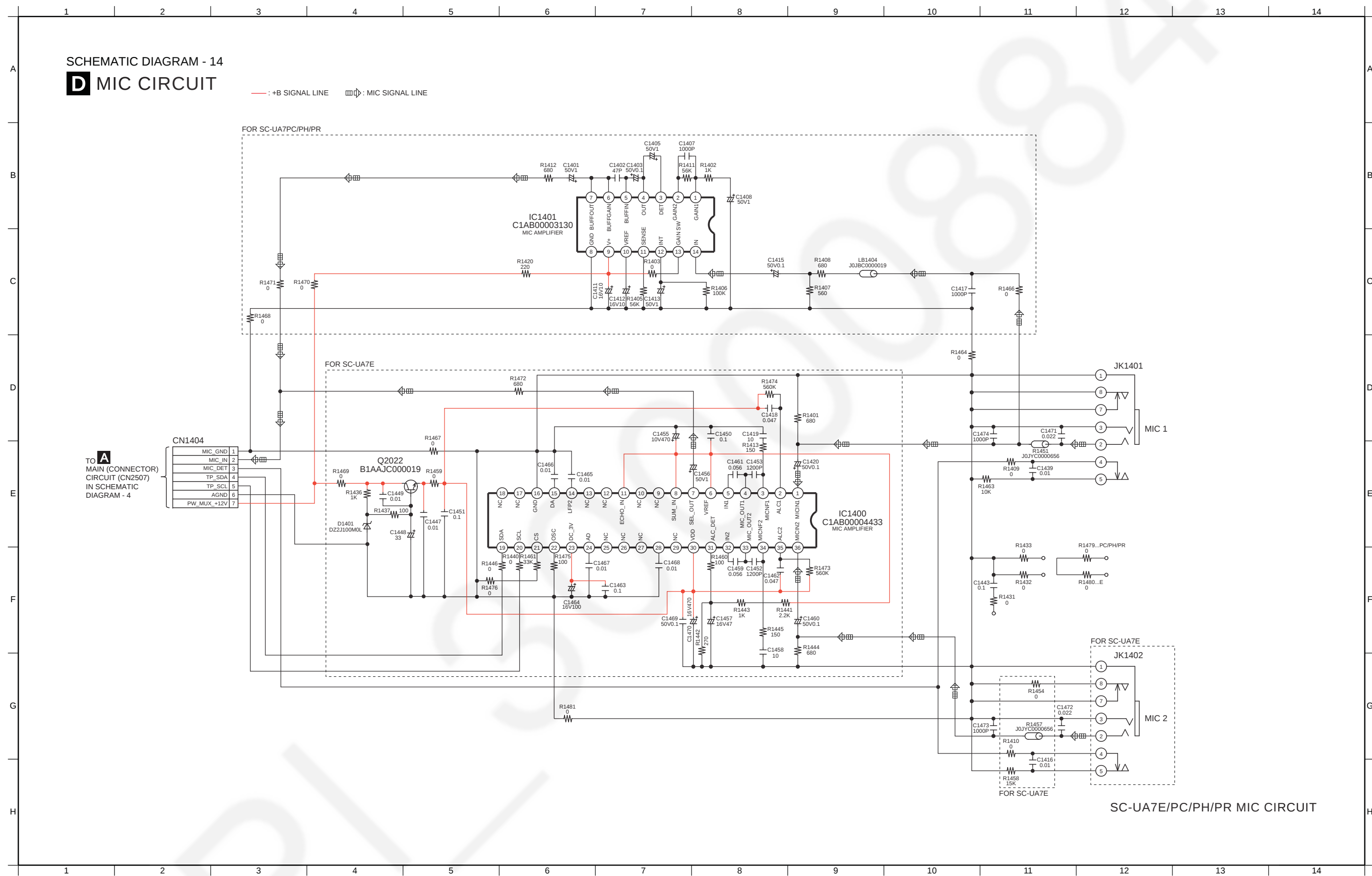
SCHEMATIC DIAGRAM - 13

B PANEL CIRCUIT

— : +B SIGNAL LINE — : -B SIGNAL LINE



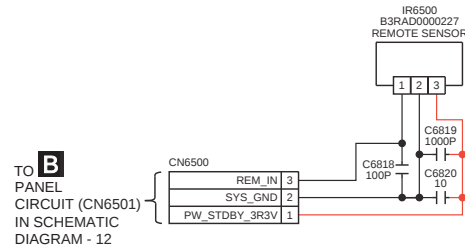
12.15. Mic Circuit



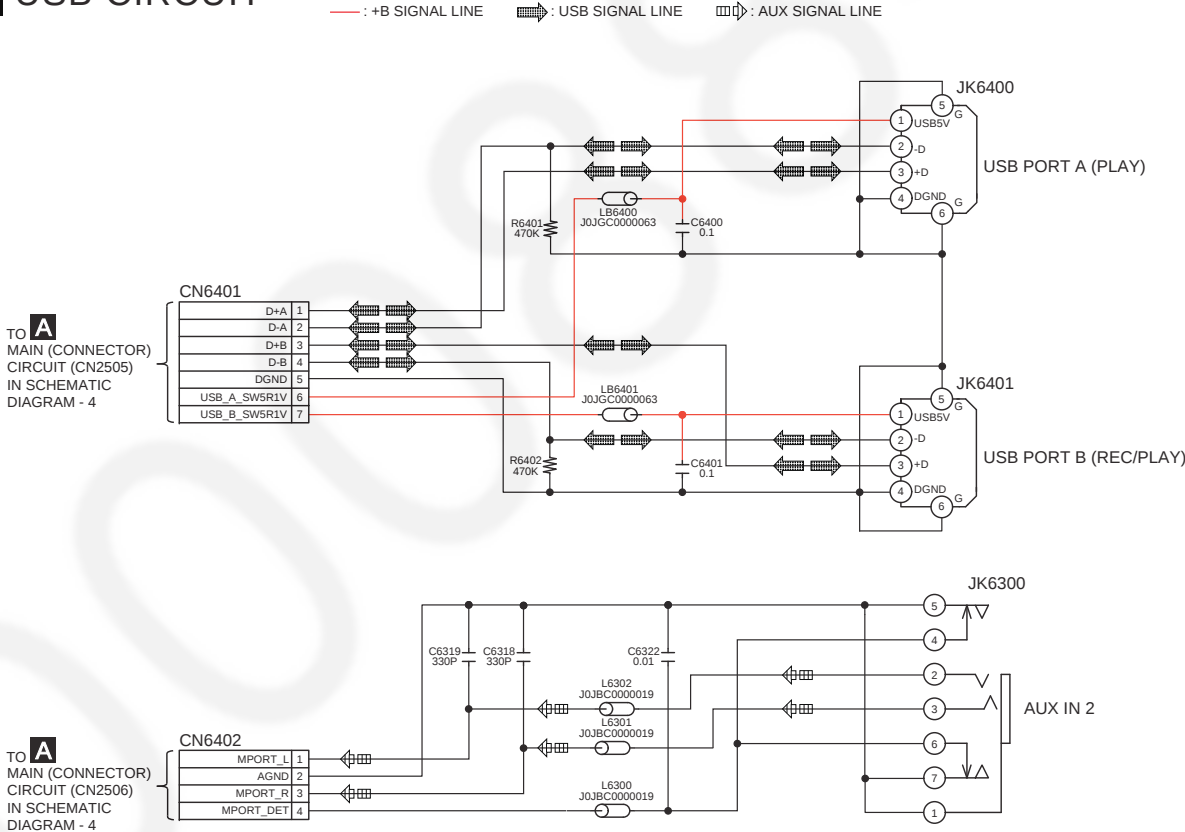
12.16. IR Sensor and USB Circuit

SCHEMATIC DIAGRAM - 15

C IR SENSOR CIRCUIT

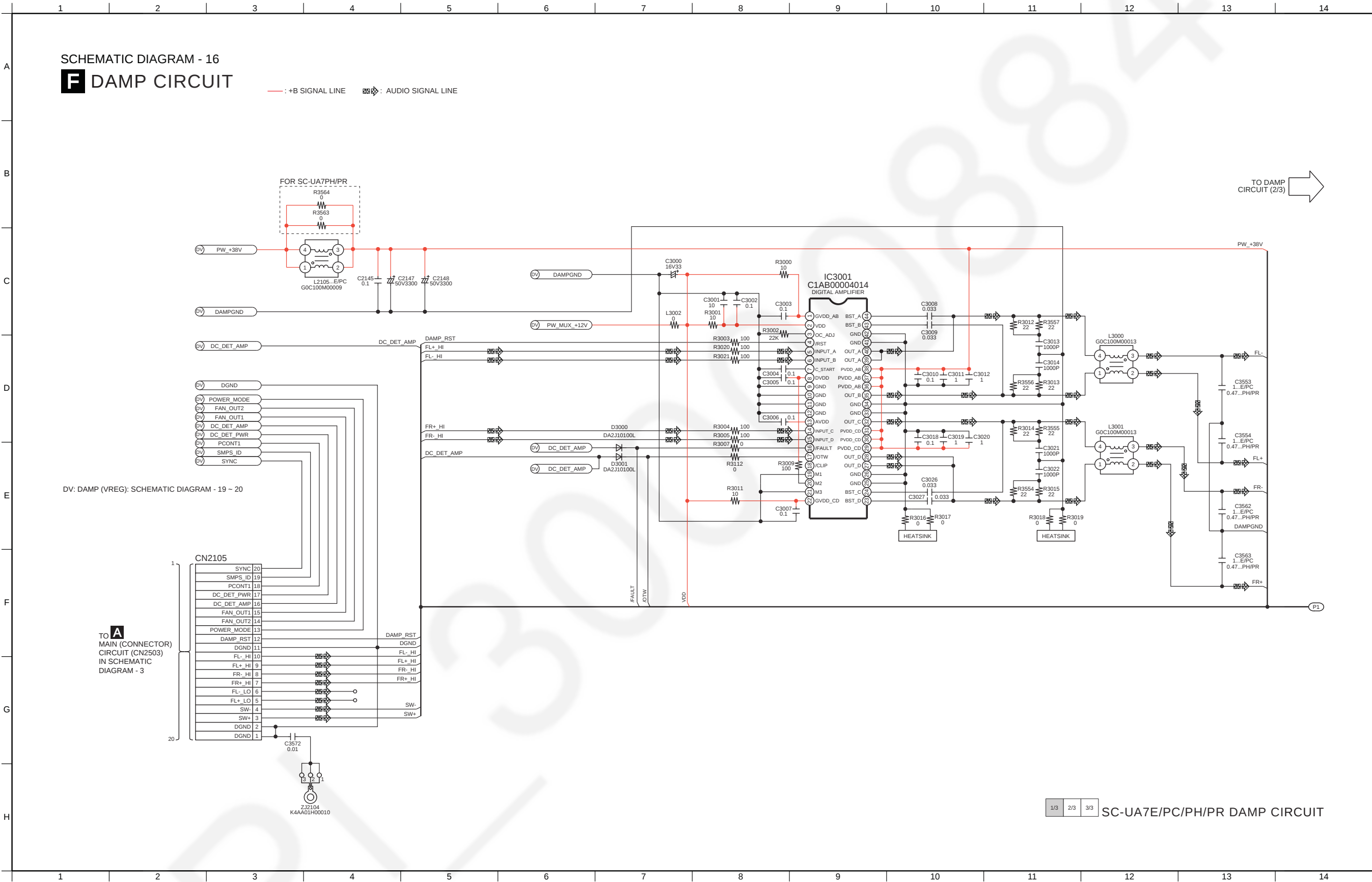


E USB CIRCUIT



SC-UA7E/PC/PH/PR IR SENSOR / USB CIRCUIT

12.17. DAMP Circuit (1/3)

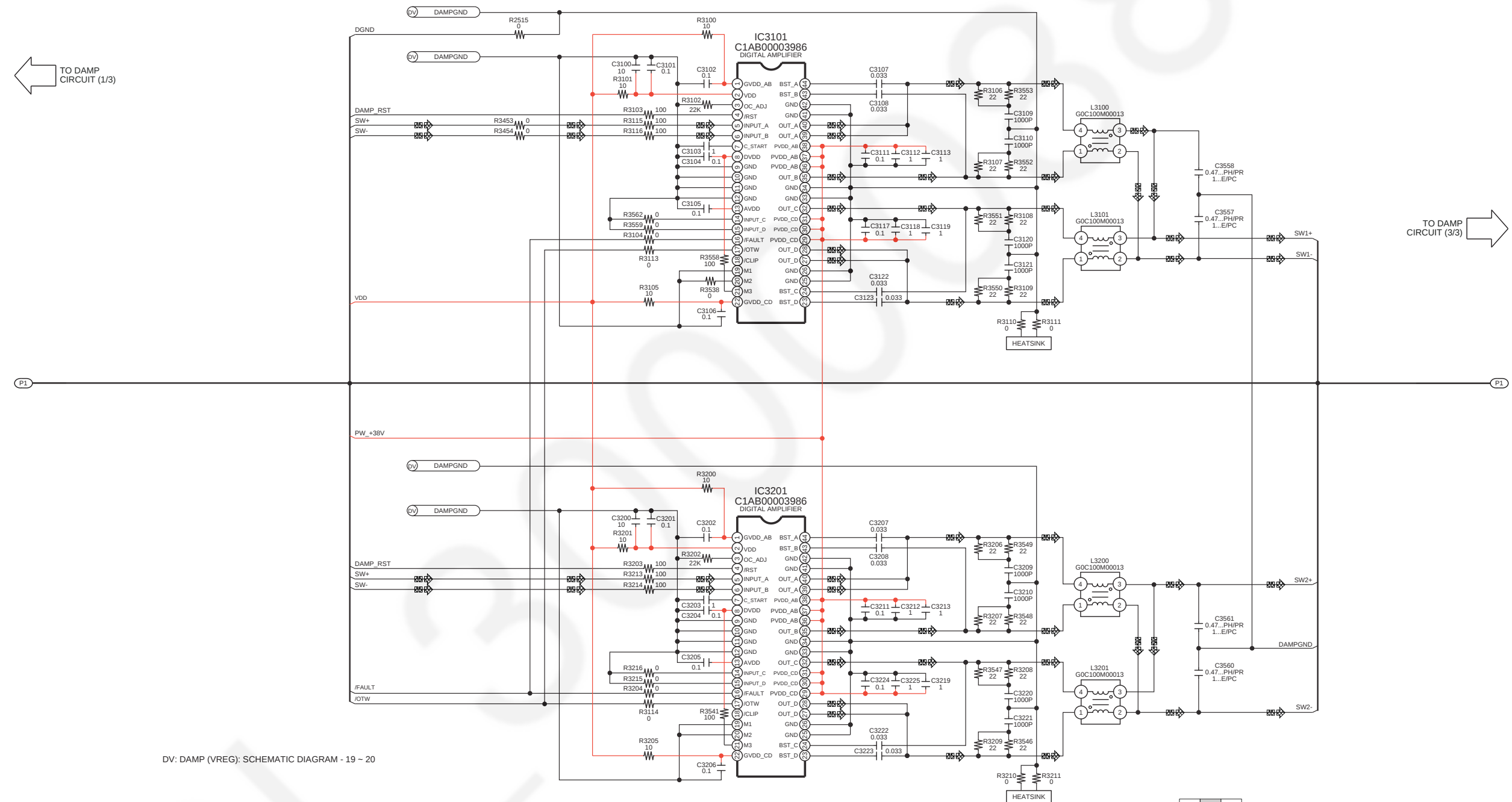


12.18. DAMP Circuit (2/3)

SCHEMATIC DIAGRAM - 17

F DAMP CIRCUIT

— : +B SIGNAL LINE  : AUDIO SIGNAL LINE



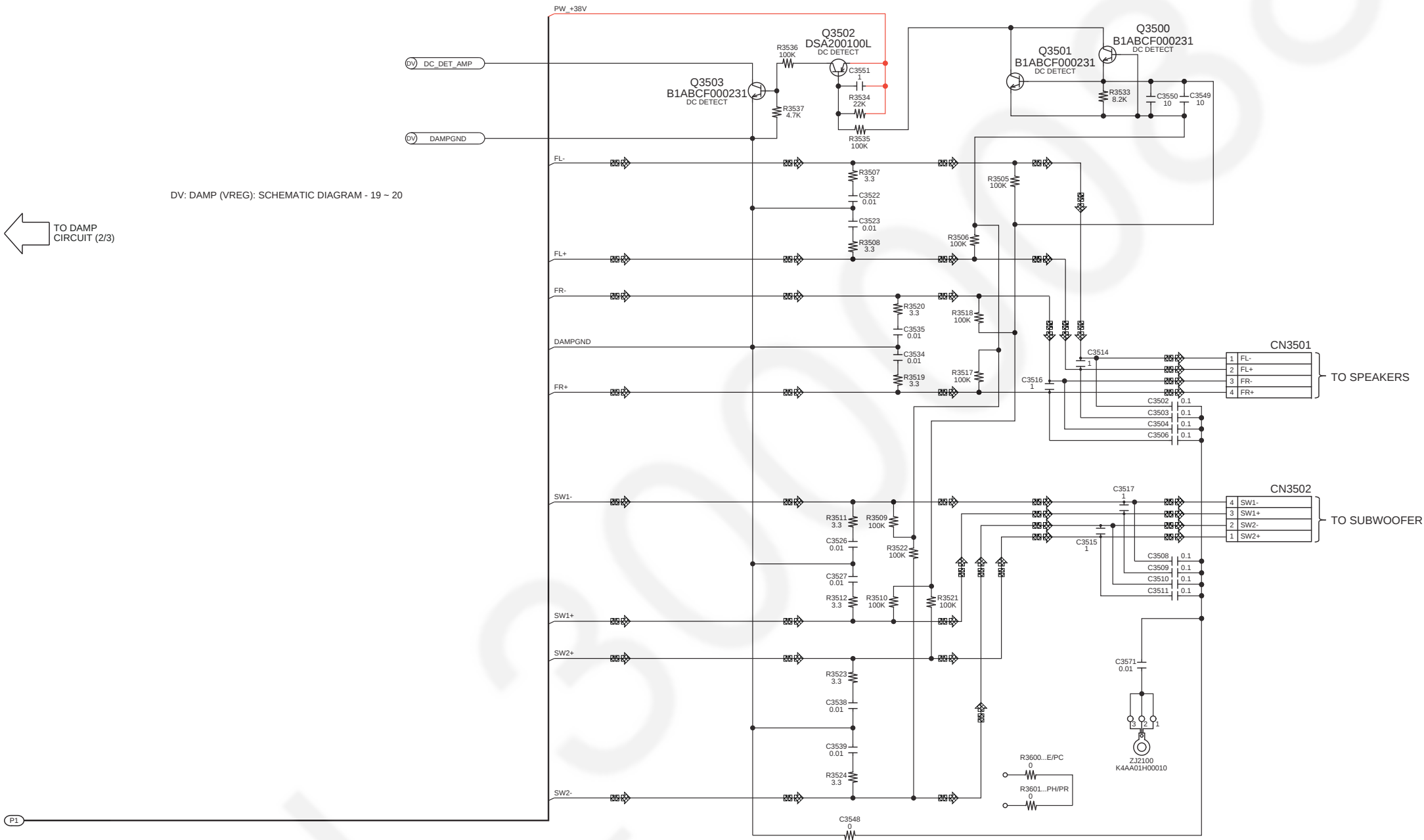
DV: DAMP (VREG): SCHEMATIC DIAGRAM - 19 ~ 20

1/3 2/3 3/3 SC-UA7E/PC/PH/PR DAMP CIRCUIT

12.19. DAMP Circuit (3/3)

SCHEMATIC DIAGRAM - 18
F DAMP CIRCUIT

— : +B SIGNAL LINE : AUDIO SIGNAL LINE

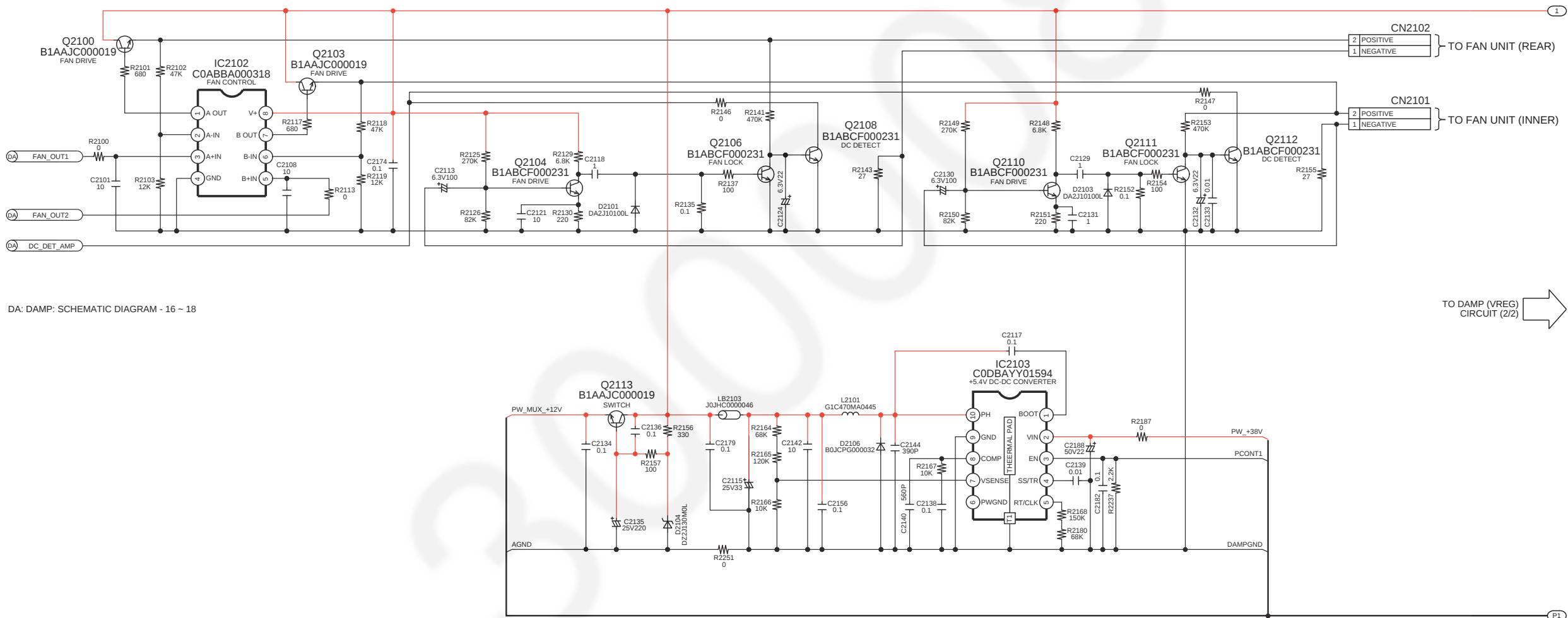


12.20. DAMP (VREG) Circuit (1/2)

SCHEMATIC DIAGRAM - 19

F DAMP (VREG) CIRCUIT

— : +B SIGNAL LINE



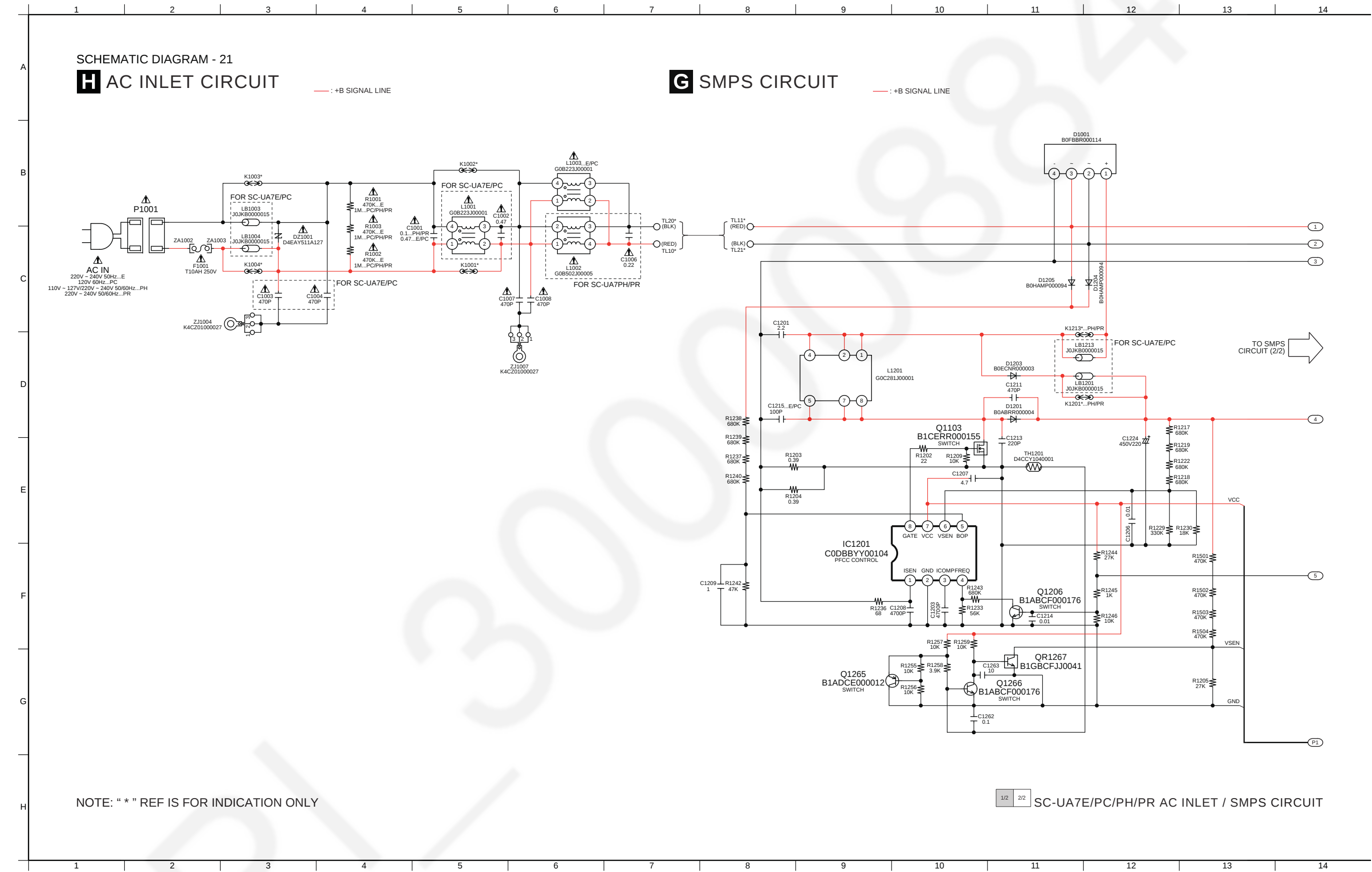
DA: DAMP: SCHEMATIC DIAGRAM - 16 ~ 18

TO DAMP (VREG) CIRCUIT (2/2)

12.21. DAMP (VREG) Circuit (2/2)



12.22. AC Inlet and SMPS Circuit (1/2)

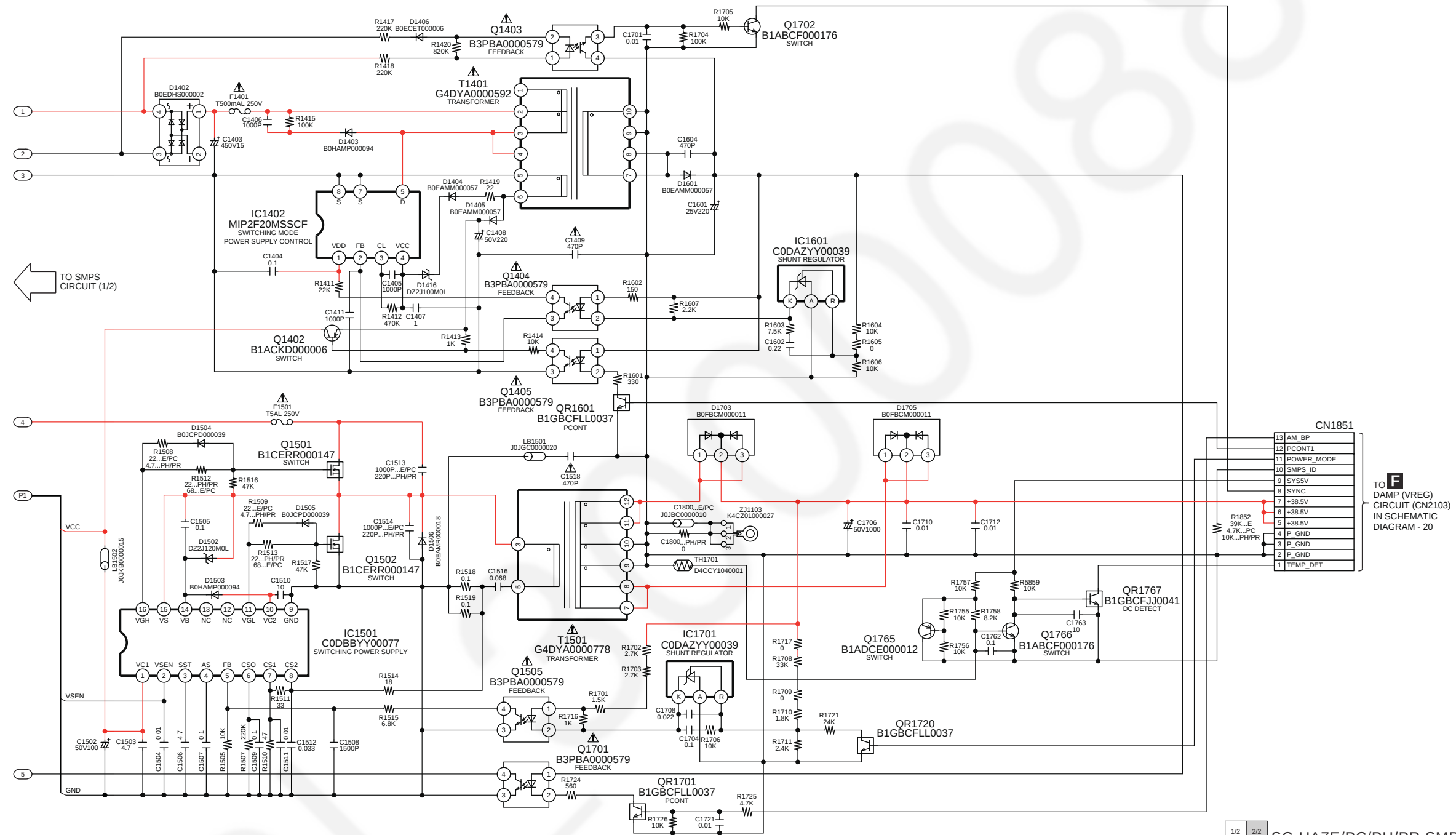


12.23. SMPS Circuit (2/2)

SCHEMATIC DIAGRAM - 22

G SMPS CIRCUIT

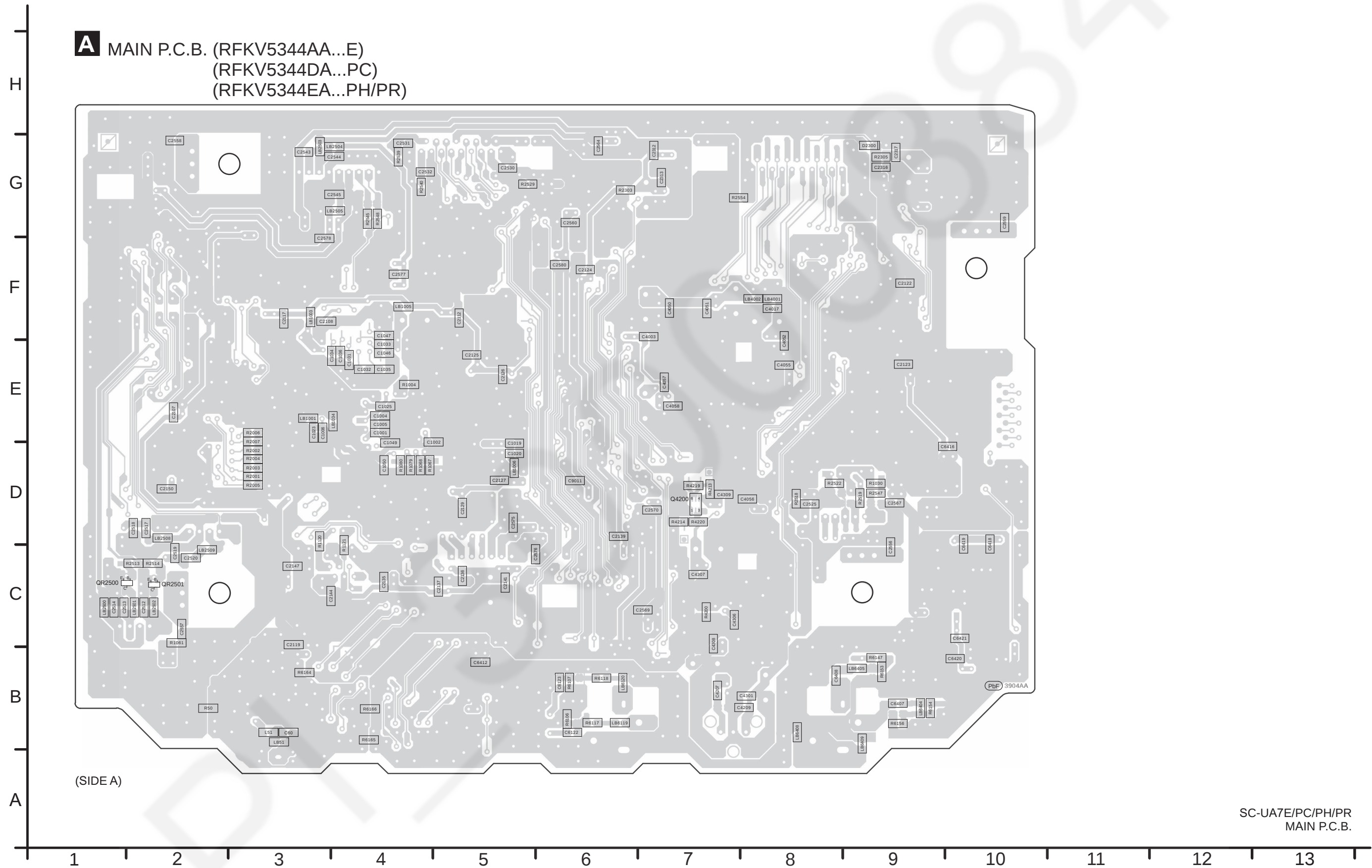
— : +B SIGNAL LINE



1/2 2/2 SC-UA7E/PC/PH/PR SMPS CIRCUIT

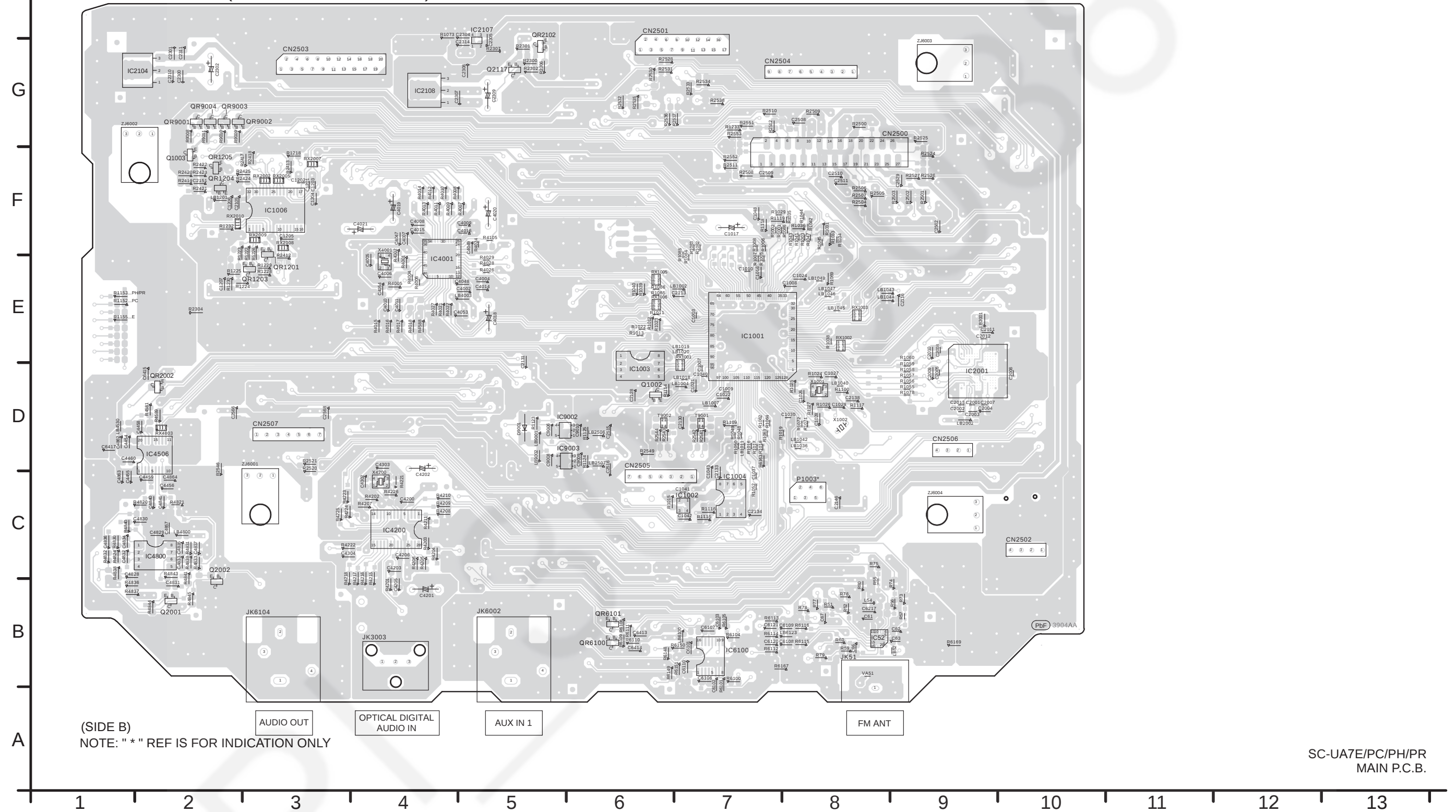
13 Printed Circuit Board

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

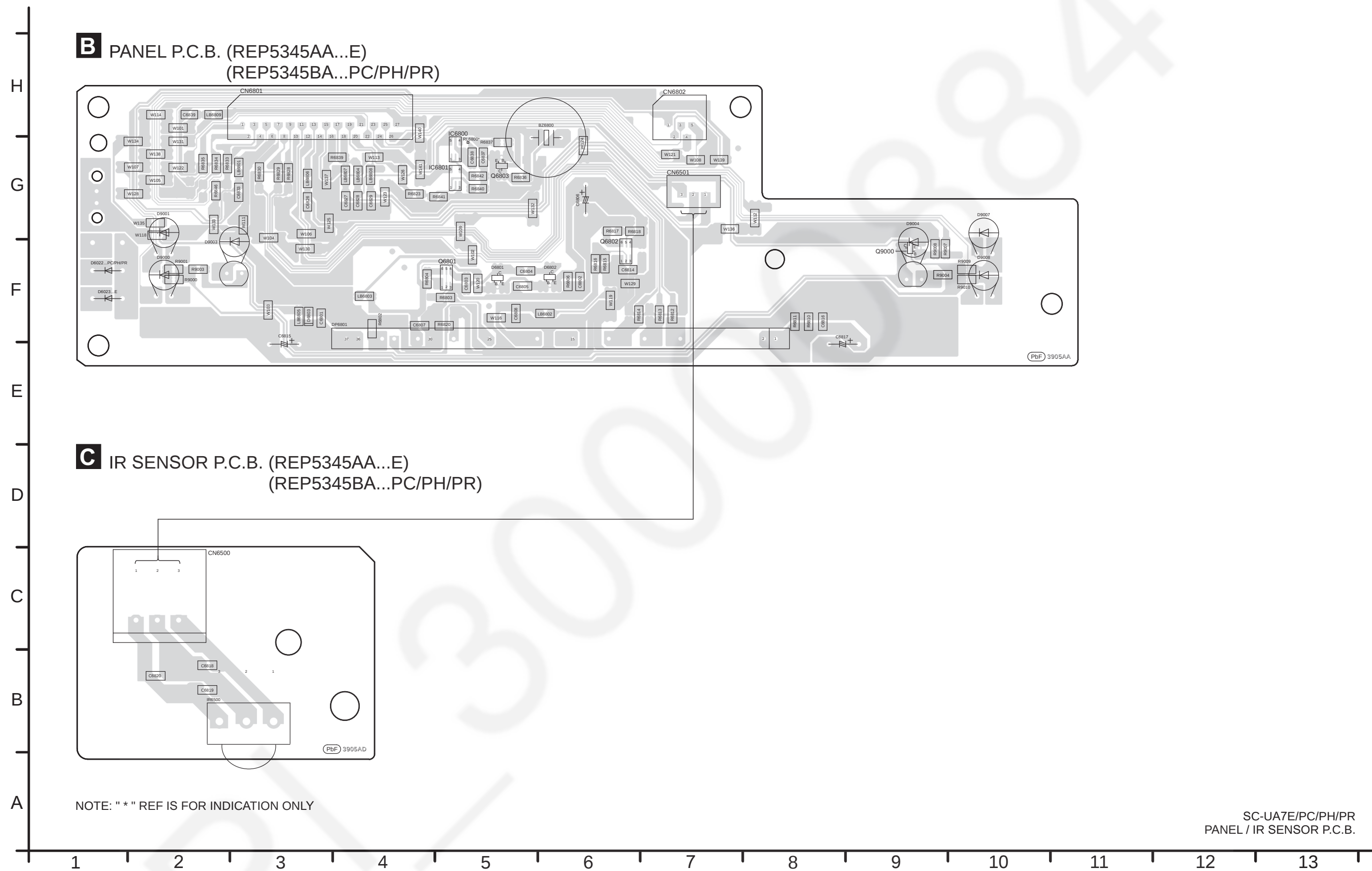


13.2. Main P.C.B. (Side B)

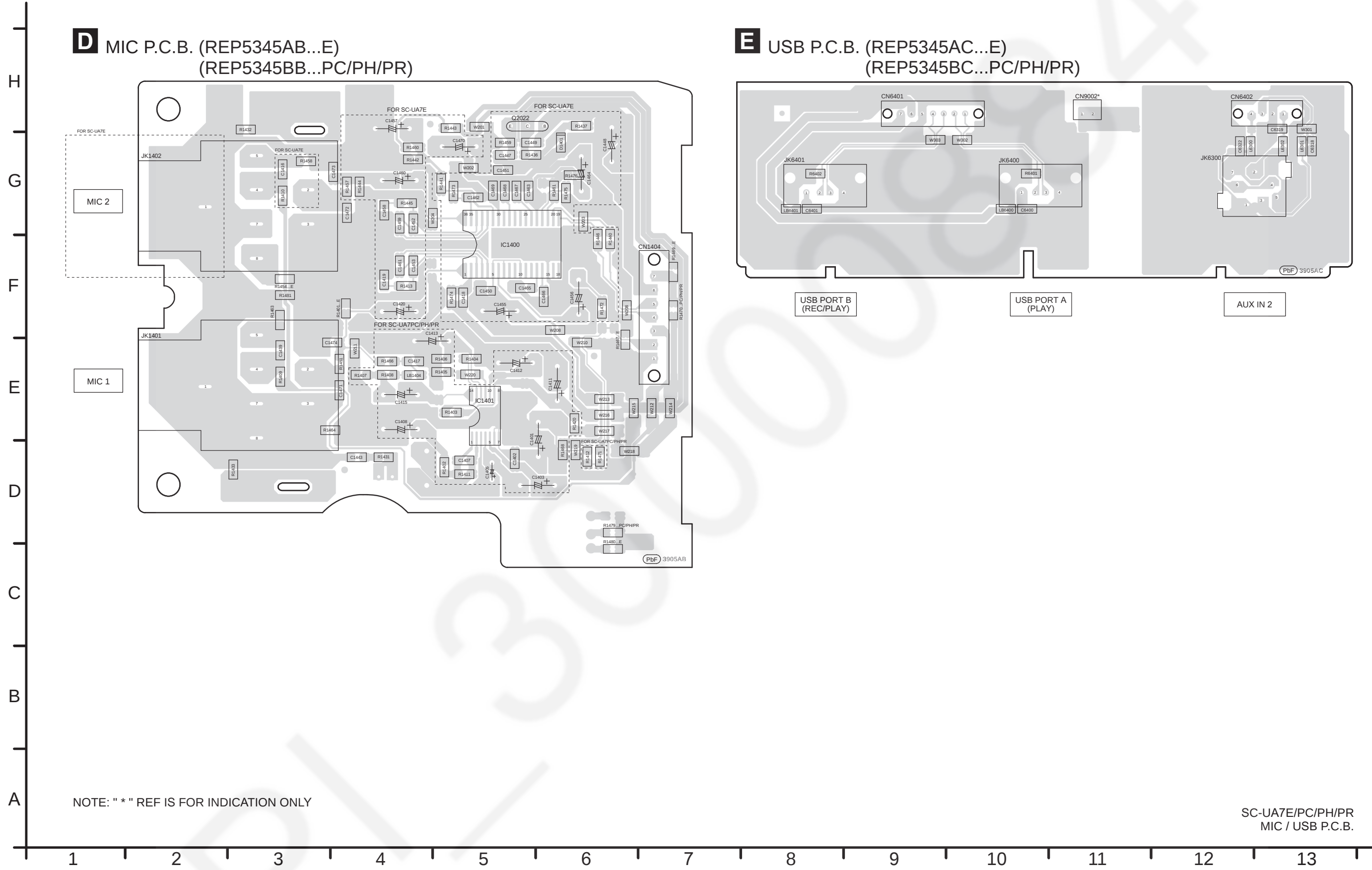
A MAIN P.C.B. (RFKV5344AA...E)
(RFKV5344DA...PC)
(RFKV5344EA...PH/PR)



13.3. Panel and IR Sensor P.C.B.



13.4. Mic and USB P.C.B.



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

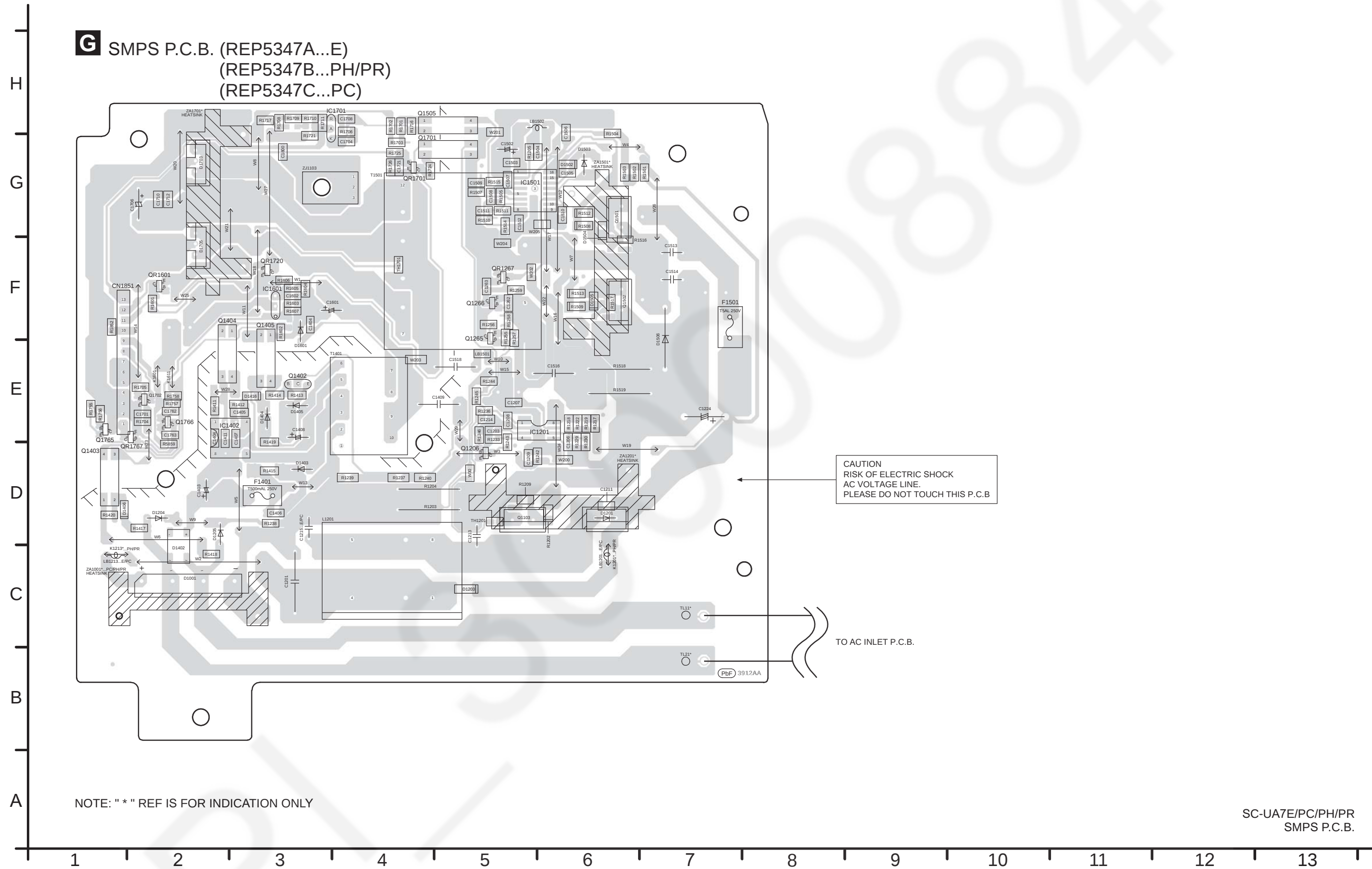
The image shows a detailed PCB layout with the following components and labels:

- Resistors (R):** R318, R320, R308, R307, R311, R312, R313, R314, R315, R316, R317, R318, R319, R320, R321, R322, R323, R324, R325, R326, R327, R328, R329, R330, R331, R332, R333, R334, R335, R336, R337, R338, R339, R340, R341, R342, R343, R344, R345, R346, R347, R348, R349, R350, R351, R352, R353, R354, R355, R356, R357, R358, R359, R360, R361, R362, R363, R364, R365, R366, R367, R368, R369, R370, R371, R372, R373, R374, R375, R376, R377, R378, R379, R380, R381, R382, R383, R384, R385, R386, R387, R388, R389, R390, R391, R392, R393, R394, R395, R396, R397, R398, R399, R400, R401, R402, R403, R404, R405, R406, R407, R408, R409, R410, R411, R412, R413, R414, R415, R416, R417, R418, R419, R420, R421, R422, R423, R424, R425, R426, R427, R428, R429, R430, R431, R432, R433, R434, R435, R436, R437, R438, R439, R440, R441, R442, R443, R444, R445, R446, R447, R448, R449, R450, R451, R452, R453, R454, R455, R456, R457, R458, R459, R460, R461, R462, R463, R464, R465, R466, R467, R468, R469, R470, R471, R472, R473, R474, R475, R476, R477, R478, R479, R480, R481, R482, R483, R484, R485, R486, R487, R488, R489, R490, R491, R492, R493, R494, R495, R496, R497, R498, R499, R500, R501, R502, R503, R504, R505, R506, R507, R508, R509, R510, R511, R512, R513, R514, R515, R516, R517, R518, R519, R520, R521, R522, R523, R524, R525, R526, R527, R528, R529, R530, R531, R532, R533, R534, R535, R536, R537, R538, R539, R540, R541, R542, R543, R544, R545, R546, R547, R548, R549, R550, R551, R552, R553, R554, R555, R556, R557, R558, R559, R560, R561, R562, R563, R564, R565, R566, R567, R568, R569, R570, R571, R572, R573, R574, R575, R576, R577, R578, R579, R580, R581, R582, R583, R584, R585, R586, R587, R588, R589, R590, R591, R592, R593, R594, R595, R596, R597, R598, R599, R600, R601, R602, R603, R604, R605, R606, R607, R608, R609, R610, R611, R612, R613, R614, R615, R616, R617, R618, R619, R620, R621, R622, R623, R624, R625, R626, R627, R628, R629, R630, R631, R632, R633, R634, R635, R636, R637, R638, R639, R640, R641, R642, R643, R644, R645, R646, R647, R648, R649, R650, R651, R652, R653, R654, R655, R656, R657, R658, R659, R660, R661, R662, R663, R664, R665, R666, R667, R668, R669, R670, R671, R672, R673, R674, R675, R676, R677, R678, R679, R680, R681, R682, R683, R684, R685, R686, R687, R688, R689, R690, R691, R692, R693, R694, R695, R696, R697, R698, R699, R700, R701, R702, R703, R704, R705, R706, R707, R708, R709, R710, R711, R712, R713, R714, R715, R716, R717, R718, R719, R720, R721, R722, R723, R724, R725, R726, R727, R728, R729, R730, R731, R732, R733, R734, R735, R736, R737, R738, R739, R740, R741, R742, R743, R744, R745, R746, R747, R748, R749, R750, R751, R752, R753, R754, R755, R756, R757, R758, R759, R760, R761, R762, R763, R764, R765, R766, R767, R768, R769, R770, R771, R772, R773, R774, R775, R776, R777, R778, R779, R780, R781, R782, R783, R784, R785, R786, R787, R788, R789, R790, R791, R792, R793, R794, R795, R796, R797, R798, R799, R800, R801, R802, R803, R804, R805, R806, R807, R808, R809, R810, R811, R812, R813, R814, R815, R816, R817, R818, R819, R820, R821, R822, R823, R824, R825, R826, R827, R828, R829, R830, R831, R832, R833, R834, R835, R836, R837, R838, R839, R840, R841, R842, R843, R844, R845, R846, R847, R848, R849, R850, R851, R852, R853, R854, R855, R856, R857, R858, R859, R860, R861, R862, R863, R864, R865, R866, R867, R868, R869, R870, R871, R872, R873, R874, R875, R876, R877, R878, R879, R880, R881, R882, R883, R884, R885, R886, R887, R888, R889, R890, R891, R892, R893, R894, R895, R896, R897, R898, R899, R900, R901, R902, R903, R904, R905, R906, R907, R908, R909, R910, R911, R912, R913, R914, R915, R916, R917, R918, R919, R920, R921, R922, R923, R924, R925, R926, R927, R928, R929, R930, R931, R932, R933, R934, R935, R936, R937, R938, R939, R940, R941, R942, R943, R944, R945, R946, R947, R948, R949, R950, R951, R952, R953, R954, R955, R956, R957, R958, R959, R960, R961, R962, R963, R964, R965, R966, R967, R968, R969, R970, R971, R972, R973, R974, R975, R976, R977, R978, R979, R980, R981, R982, R983, R984, R985, R986, R987, R988, R989, R990, R991, R992, R993, R994, R995, R996, R997, R998, R999, R1000, R1001, R1002, R1003, R1004, R1005, R1006, R1007, R1008, R1009, R1010, R1011, R1012, R1013, R1014, R1015, R1016, R1017, R1018, R1019, R1020, R1021, R1022, R1023, R1024, R1025, R1026, R1027, R1028, R1029, R1030, R1031, R1032, R1033, R1034, R1035, R1036, R1037, R1038, R1039, R1040, R1041, R1042, R1043, R1044, R1045, R1046, R1047, R1048, R1049, R1050, R1051, R1052, R1053, R1054, R1055, R1056, R1057, R1058, R1059, R1060, R1061, R1062, R1063, R1064, R1065, R1066, R1067, R1068, R1069, R1070, R1071, R1072, R1073, R1074, R1075, R1076, R1077, R

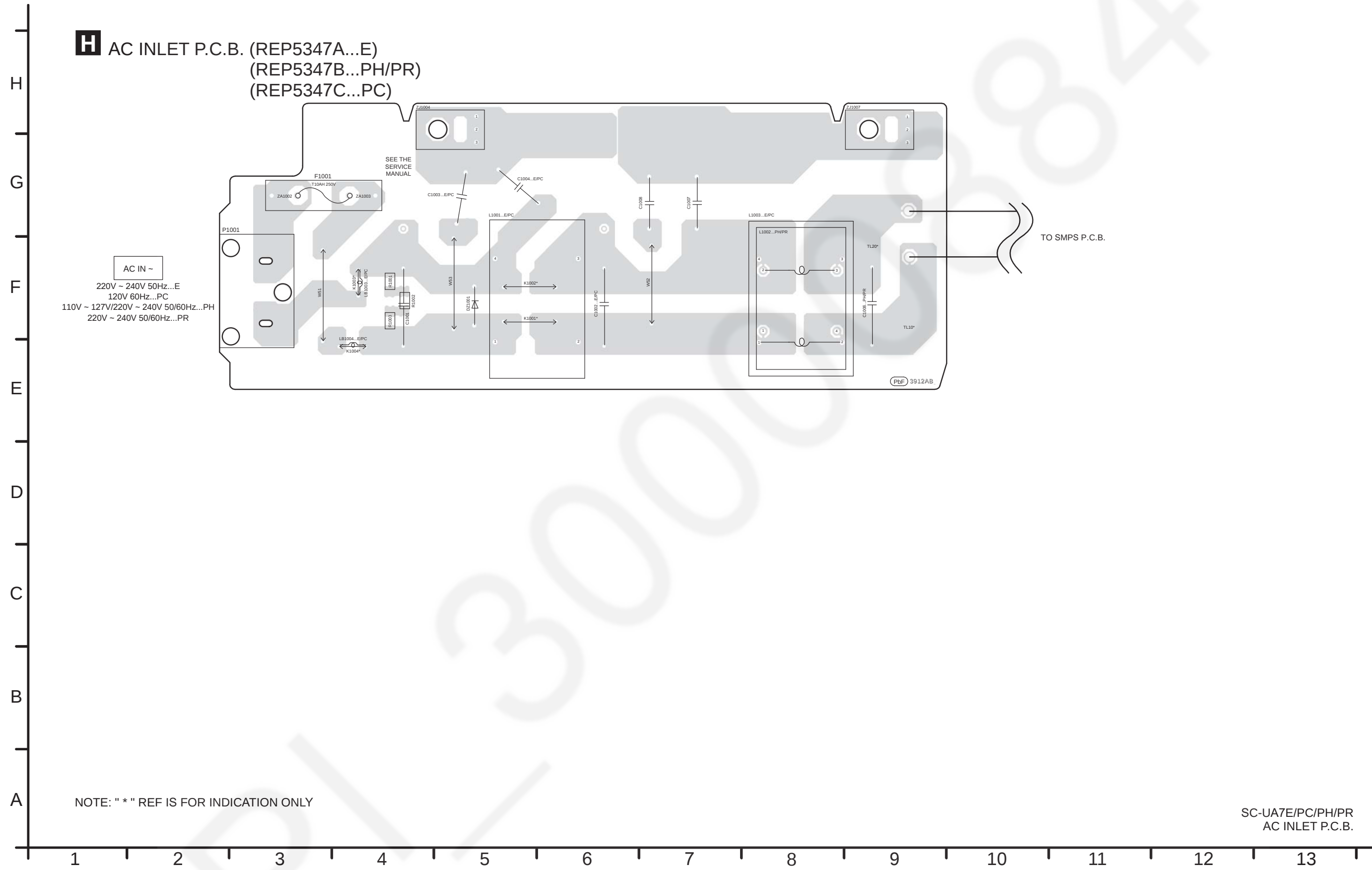
A vertical scale with labels A, B, C, D, E, F, G, H from bottom to top.

SC-UA7E/PC/PH/PR
DAMP P.C.B.

13.7. SMPS P.C.B.



13.8. AC Inlet P.C.B.



14 Voltage and Waveform Measurement

14.1. Voltage Measurement

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.

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

REF NO.	IC1001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	3.3	3	3.3	3.3	3.3	3.3	1.6	3.3	3.3	3.3	3.3	0	0	3.3	3.3	0	3.3	1.6	0	0
STANDBY	3.3	3	3.3	3.3	3.3	3.3	1.6	3.3	3.3	3.3	3.3	0	0	3.3	3.3	0	3.3	1.6	0	0

REF NO.	IC1001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
PLAY	3	3.3	0.2	2.9	3.3	3.3	0	0	3.3	0	3.3	0	1.6	1.1	1	0.8	0.8	0.8	1.6	0.8
STANDBY	3	3.3	0.2	2.9	3.3	3.3	0	0	3.3	0	3.3	0	1.6	1.1	1	0.8	0.8	0.8	1.6	0.8

REF NO.	IC1001																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
PLAY	0.8	0	0	0	1.6	0.7	3.2	1.7	3.2	1.6	1.6	1.6	0	1.6	1.6	0	3.3	0	1.6	1.6
STANDBY	0.8	0	0	0	1.6	0.7	3.2	1.7	3.2	1.6	1.6	1.6	0	1.6	1.6	0	3.3	0	1.6	1.6

REF NO.	IC1001																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
PLAY	1.6	1.6	1.6	1.6	1.6	0	1.7	1.8	1.8	1.8	0	0	3.3	3.3	3.3	3.3	1.6	3.3	3.3	0
STANDBY	1.6	1.6	1.6	1.6	1.6	0	1.7	1.8	1.8	1.8	0	0	3.3	3.3	3.3	3.3	1.6	3.3	3.3	0

REF NO.	IC1001																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
PLAY	0.8	1.6	1.6	0.4	0	3.3	1.5	3.3	3.3	0	0	1.6	0	3.3	3.2	3.3	0.2	0.2	0	0.2
STANDBY	0.8	1.6	1.6	0.4	0	3.3	1.5	3.3	3.3	0	0	1.6	0	3.3	3.2	3.3	0.2	0.2	0	0.2

REF NO.	IC1001																			
MODE	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
PLAY	3.1	3.2	0	0.2	3.1	3.1	3.1	0	1.8	1.6	1.6	1.6	3.2	3.1	0	1.5	3.2	3.3	3.3	3.3
STANDBY	3.1	3.2	0	0.2	3.1	3.1	3.1	0	1.8	1.6	1.6	1.6	3.2	3.1	0	1.5	3.2	3.3	3.3	3.3

REF NO.	IC1001																			
MODE	121	122	123	124	125	126	127	128												
PLAY	1.6	3.2	0	1.1	1.5	1.5	1.4	1.5												
STANDBY	1.6	3.2	0	1.1	1.5	1.5	1.4	1.5												

REF NO.	IC1002																			
MODE	1	2	3	4																
PLAY	0	3.3	1.7	3.3																
STANDBY	0	3.3	1.7	3.3																

REF NO.	IC1006																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	0	0	3.3	3.3	3.3	0	0	0	0	0	0	0	0	0	0	0	3.3	3.3	0	3.3
STANDBY	0	0	3.3	3.3	3.3	0	0	0	0	0	0	0	0	0	0	0	3.3	3.3	0	3.3

REF NO.	IC1006																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32								
PLAY	3.3	0	0	0	0	3.3	0	0	0	3.3	3.3	3.3								
STANDBY	3.3	0	0	0	0	3.3	0	0	0	3.3	3.3	3.3								

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

REF NO.	IC2104																			
MODE	1	2	3																	
PLAY	0	3.3	5.6																	
STANDBY	0	3.3	5.6																	
REF NO.	IC2107																			
MODE	1	2	3	4																
PLAY	3.3	0	1.5	3.3																
STANDBY	3.3	0	1.5	3.3																
REF NO.	IC2108																			
MODE	1	2	3																	
PLAY	0	3.3	5																	
STANDBY	0	3.3	5																	
REF NO.	IC4001																			
MODE	1	2	3	4	5	6	7	8												
PLAY	0	0	0	-5	0	0	0	5.4												
STANDBY	0	0	0	-5	0	0	0	5.4												
REF NO.	IC4800																			
MODE	1	2	3	4	5	6	7	8												
PLAY	0	5.9	5.9	0	5.9	6	0	11.9												
STANDBY	0	5.9	5.9	0	5.9	6	0	11.9												
REF NO.	IC6100																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
PLAY	6.4	0.2	0.3	0.2	0	0	0	0	12.9	12.9	0.4	6.4	0.4	0	0.2	12.9				
STANDBY	6.4	0.2	0.3	0.2	0	0	0	0	12.9	12.9	0.4	6.4	0.4	0	0.2	12.9				
REF NO.	IC9002																			
MODE	1	2	3	4	5															
PLAY	5	0	3.3	3.3	5															
STANDBY	5	0	3.3	3.3	5															
REF NO.	IC9003																			
MODE	1	2	3	4	5															
PLAY	0	0	3.3	0.1	5															
STANDBY	0	0	3.3	0.1	5															
REF NO.	Q1002				Q1003				Q2001				Q2002				Q2117			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
PLAY	0	0	22.6		4.7	5.5	5.3		0	0	0		0	0	0		5	5	2.5	
STANDBY	0	0	22.6		4.7	5.5	5.3		0	0	0		0	0	0		5	5	2.5	
REF NO.	QR1201				QR1203				QR1204				QR1205				QR2002			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
PLAY	0	3.1	0		0	0	0		0	5.3	0		0	5.3	0		3.3	0	3.3	
STANDBY	0	3.1	0		0	0	0		0	5.3	0		0	5.3	0		3.3	0	3.3	
REF NO.	QR2500				QR2501				Q4200							QR6100				
MODE	E	C	B		E	C	B		1	2	3	4	5	6		E	C	B		
PLAY	0	3.3	3.3		0	3.3	3.3		3.0	0	3.3	3.3	3.3	3.3		0	12.9	0		
STANDBY	0	3.3	3.3		0	3.3	3.3		3.0	0	3.3	3.3	3.3	3.3		0	12.9	0		
REF NO.	QR6101				QR9001				QR9002				QR9003				QR9004			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
PLAY	0	12.9	0		0	0	0		0	0	0		0	0	0		0	0	0	
STANDBY	0	12.9	0		0	0	0		0	0	0		0	0	0		0	0	0	

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SC-UA7E/PC/PH/PR MAIN P.C.B.

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

REF NO.	IC2101																			
MODE	1	2	3	4	5	6	7	8	9	10										
PLAY	10.9	39.5	3.1	2.1	0.5	0	0.8	0.7	0	5.6										
STANDBY	10.9	39.5	3.1	2.1	0.5	0	0.8	0.7	0	5.6										
REF NO.	IC2102																			
MODE	1	2	3	4	5	6	7	8												
PLAY	8.6	1.6	1.6	0	1.6	1.6	8.6	15.3												
STANDBY	8.6	1.6	1.6	0	1.6	1.6	8.6	15.3												
REF NO.	IC2103																			
MODE	1	2	3	4	5	6	7	8	9	10										
PLAY	21.3	39.5	3.1	2.1	0.5	0	0.8	0.7	0	15.2										
STANDBY	21.3	39.5	3.1	2.1	0.5	0	0.8	0.7	0	15.2										
REF NO.	IC3001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	12.2	12.1	1.2	0	1.7	1.7	3.3	0	0	0	0	0	7.8	3.3	0	3.3	3.3	0	0	0
STANDBY	12.2	12.1	1.2	0	1.7	1.7	3.3	0	0	0	0	0	7.8	3.3	0	3.3	3.3	0	0	0
REF NO.	IC3001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
PLAY	3.3	12	30.1	30.1	0	0	19	19	39.5	39.5	39.5	19	0	0	19	39.5	39.5	39.5	19	19
STANDBY	3.3	12	30.1	30.1	0	0	19	19	39.5	39.5	39.5	19	0	0	19	39.5	39.5	39.5	19	19
REF NO.	IC3001																			
MODE	41	42	43	44																
PLAY	0	0	30.1	30																
STANDBY	0	0	30.1	30																
REF NO.	IC3101																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	12.2	12.1	1.2	0	1.7	1.7	3.3	0	0	0	0	0	7.8	3.3	0	3.3	3.3	0	0	0
STANDBY	12.2	12.1	1.2	0	1.7	1.7	3.3	0	0	0	0	0	7.8	3.3	0	3.3	3.3	0	0	0
REF NO.	IC3101																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
PLAY	3.3	12	30.1	30.1	0	0	19	19	39.5	39.5	39.5	19	0	0	19	39.5	39.5	39.5	19	19
STANDBY	3.3	12	30.1	30.1	0	0	19	19	39.5	39.5	39.5	19	0	0	19	39.5	39.5	39.5	19	19
REF NO.	IC3101																			
MODE	41	42	43	44																
PLAY	0	0	30.1	30																
STANDBY	0	0	30.1	30																
REF NO.	IC3201																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	12.2	12.1	1.2	0	1.7	1.7	3.3	0	0	0	0	0	7.8	3.3	0	3.3	3.3	0	0	0
STANDBY	12.2	12.1	1.2	0	1.7	1.7	3.3	0	0	0	0	0	7.8	3.3	0	3.3	3.3	0	0	0
REF NO.	IC3201																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
PLAY	3.3	12	30.1	30.1	0	0	19	19	39.5	39.5	39.5	19	0	0	19	39.5	39.5	39.5	19	19
STANDBY	3.3	12	30.1	30.1	0	0	19	19	39.5	39.5	39.5	19	0	0	19	39.5	39.5	39.5	19	19
REF NO.	IC3201																			
MODE	41	42	43	44																
PLAY	0	0	30.1	30																
STANDBY	0	0	30.1	30																

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

REF NO.	Q2100				Q2103				Q2104				Q2106				Q2108			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
PLAY	7.9	15.3	8.5		7.8	15.3	8.4		0.2	11.1	0.2		0	0	0.7		0	3.2	0	
STANDBY	7.9	15.3	8.5		7.8	15.3	8.4		0.2	11.1	0.2		0	0	0.7		0	3.2	0	

REF NO.	Q2110				Q2111				Q2112				Q2113				QR2100			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
PLAY	0.4	5.1	1		0	0	0.3		0	3.2	0		12.5	15.3	13.1		0	3.3	0	
STANDBY	0.4	5.1	1		0	0	0.3		0	3.2	0		12.5	15.3	13.1		0	3.3	0	

REF NO.	QR2102				Q3500				Q3501				Q3502				Q3503			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
PLAY	0	3.3	3.3		19.7	39	19.7		19.7	39	19.7		39.5	0	39.4		0	3.2	0	
STANDBY	0	3.3	3.3		19.7	39	19.7		19.7	39	19.7		39.5	0	39.4		0	3.2	0	

SC-UA7E/PC/PH/PR DAMP P.C.B.

14.1.5. PANEL P.C.B.

REF NO.	IC6800																	
MODE	1	2	3	4	5													
PLAY	5.3	5.3	0	0	5.3													
STANDBY	5.3	5.3	0	0	5.3													

REF NO.	IC6801																	
MODE	1	2	3	4	5													
PLAY	4.8	0	0	5.3	5.3													
STANDBY	4.8	0	0	5.3	5.3													

REF NO.	Q6801							Q6802											
MODE	1	2	3	4	5	6		1	2	3	4	5	6						
PLAY	6.5	6.5	0.1	6.5	6.5	12.6		0	0.7	31.5	31.5	30.8	0.1						
STANDBY	6.5	6.5	0.1	6.5	6.5	12.6		0	0.7	31.5	31.5	30.8	0.1						

REF NO.	Q6803				Q9000														
MODE	E	C	B		E	C	B												
PLAY	0	5.3	0		0	0	0.7												
STANDBY	0	5.3	0		0	0	0.7												

SC-UA7E/PC/PH/PR PANEL P.C.B.

14.1.6. MIC P.C.B.

REF NO.	IC1400																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PLAY	4.6	8.8	4.7	4.7	4.6	4.6	4.7	4.7	4.6	4.6	4.7	4.8	4.8	4.8	4.8	0	4.6	4.6	3.3	3.8
STANDBY	4.6	8.8	4.7	4.7	4.6	4.6	4.7	4.7	4.6	4.6	4.7	4.8	4.8	4.8	4.8	0	4.6	4.6	3.3	3.8

REF NO.	IC1400																	
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36		
PLAY	0	0	3.4	4.8	0	4.7	4.7	4.6	4.7	9.4	3.1	4.6	4.7	4.7	8.8	4.6		
STANDBY	0	0	3.4	4.8	0	4.7	4.7	4.6	4.7	9.4	3.1	4.6	4.7	4.7	8.8	4.6		

REF NO.	Q2022																			
MODE	E	C	B																	
PLAY	9.4	12.9	10																	
STANDBY	9.4	12.9	10																	

SC-UA7E/PC/PH/PR MIC P.C.B.

14.1.7. SMPS P.C.B.

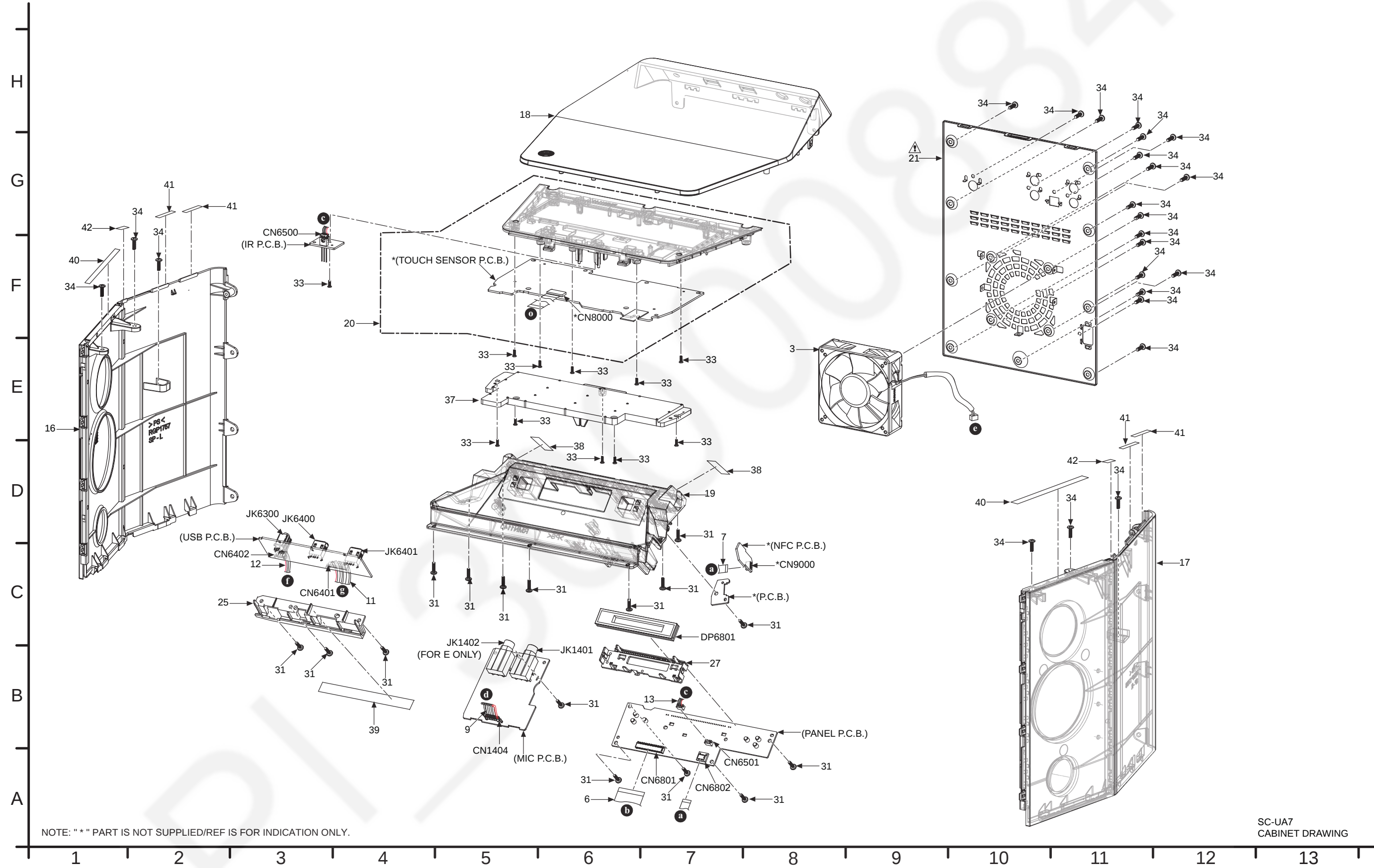
REF NO.	IC1201																			
MODE	1	2	3	4	5	6	7	8												
PLAY	0	0	0	0	0	196.8	17.6	0												
STANDBY	0	0	0	0	0	196.8	17.6	0												
REF NO.	IC1402																			
MODE	1	2	3	4	5	6	7	8												
PLAY	6	1	2.4	17.4	324	-	0	0												
STANDBY	6	1	2.4	17.4	324	-	0	0												
REF NO.	IC1501																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
PLAY	17.6	5.5	2.2	2.5	4.2	0.9	0	0	0	10.2	4.4	0	0	206.4	196.7	204.8				
STANDBY	17.6	5.5	2.2	2.5	4.2	0.9	0	0	0	10.2	4.4	0	0	206.4	196.7	204.8				
REF NO.	IC1601																			
MODE	K	A	R																	
PLAY	2.3	0	2.4																	
STANDBY	2.3	0	2.4																	
REF NO.	IC1701																			
MODE	K	A	R																	
PLAY	-28	-40.1	-36.9																	
STANDBY	-28	-40.1	-36.9																	
REF NO.	Q1103				Q1206				Q1265				Q1266				Q1402			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
PLAY	196.8	196.8	0		0	0	17.6		17.6	0	17.6		0	17.6	17.6		17.6	17.6	16.9	
STANDBY	196.8	196.8	0		0	0	17.6		17.6	0	17.6		0	17.6	17.6		17.6	17.6	16.9	
REF NO.	Q1403				Q1404				Q1405				Q1501							
MODE	1	2	3	4		1	2	3	4		1	2	3	4		E	C	B		
PLAY	0	0	0.3	0		0	2.3	1.0	6.0		0	0.1	0	16.9		196.8	400	204		
STANDBY	0	0	0.3	0		0	2.3	1.0	6.0		0	0.1	0	16.9		196.8	400	204		
REF NO.	Q1502				Q1505				Q1701				Q1702							
MODE	E	C	B		1	2	3	4		1	2	3	4		E	C	B			
PLAY	0	196.8	4.2		-28.0	-28.0	0	4.2		0	0	0	17.6		0	1.7	0.3			
STANDBY	0	196.8	4.2		-28.0	-28.0	0	4.2		0	0	0	17.6		0	1.7	0.3			
REF NO.	Q1765				Q1766				QR1267				QR1601				QR1701			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
PLAY	5.0	-40.1	5.0		-40.1	5.0	5.0		0	5.5	17.6		0	0.1	3.1		0	0	3.2	
STANDBY	5.0	-40.1	5.0		-40.1	5.0	5.0		0	5.5	17.6		0	0.1	3.1		0	0	3.2	
REF NO.	QR1720				QR1767															
MODE	E	C	B		E	C	B													
PLAY	-40.1	-36.9	0		-40.1	3.3	5.0													
STANDBY	-40.1	-36.9	0		-40.1	3.3	5.0													

SC-UA7E/PC/PH/PR SMPS P.C.B.

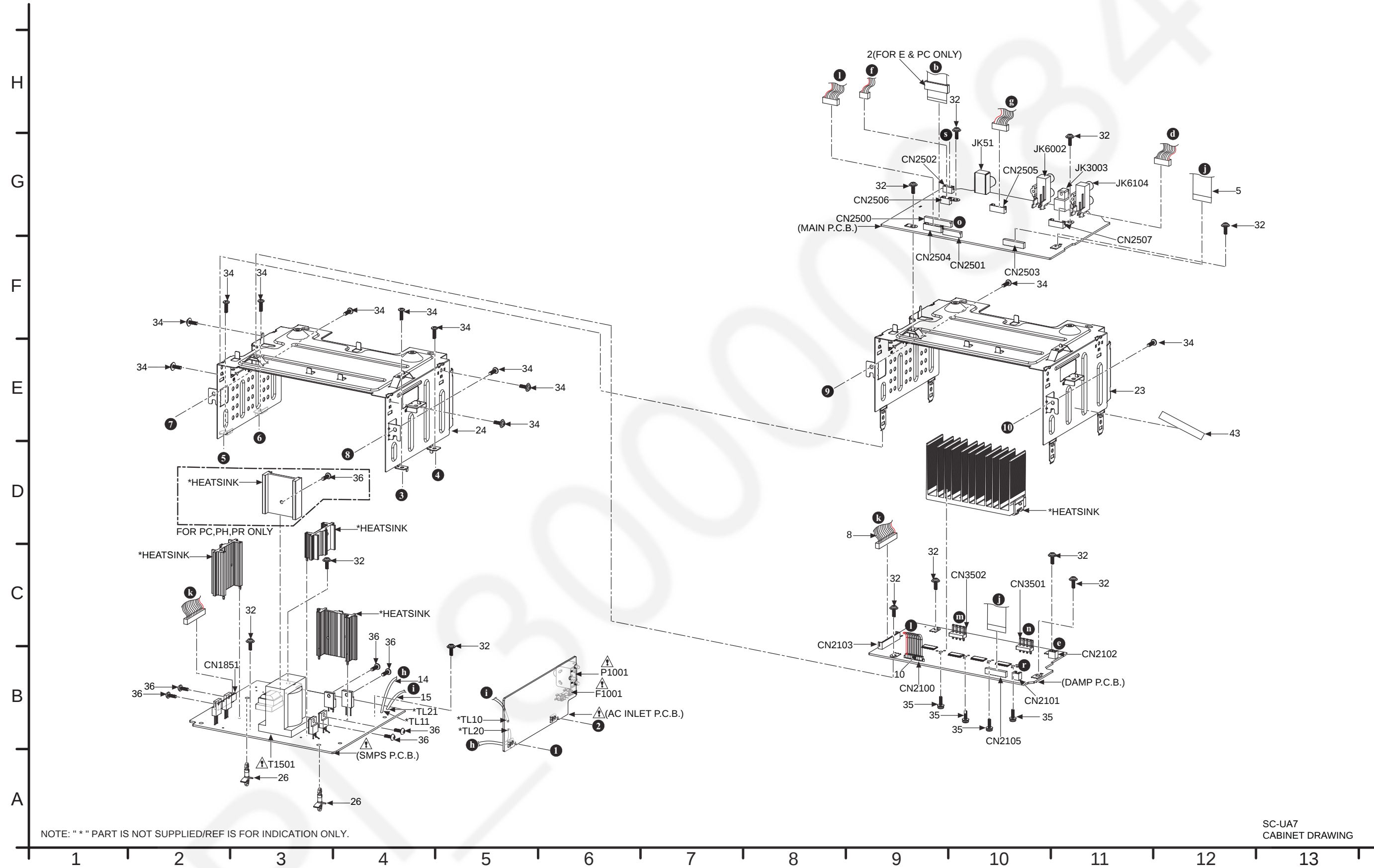
PI-30000884

15 Exploded View and Replacement Parts List

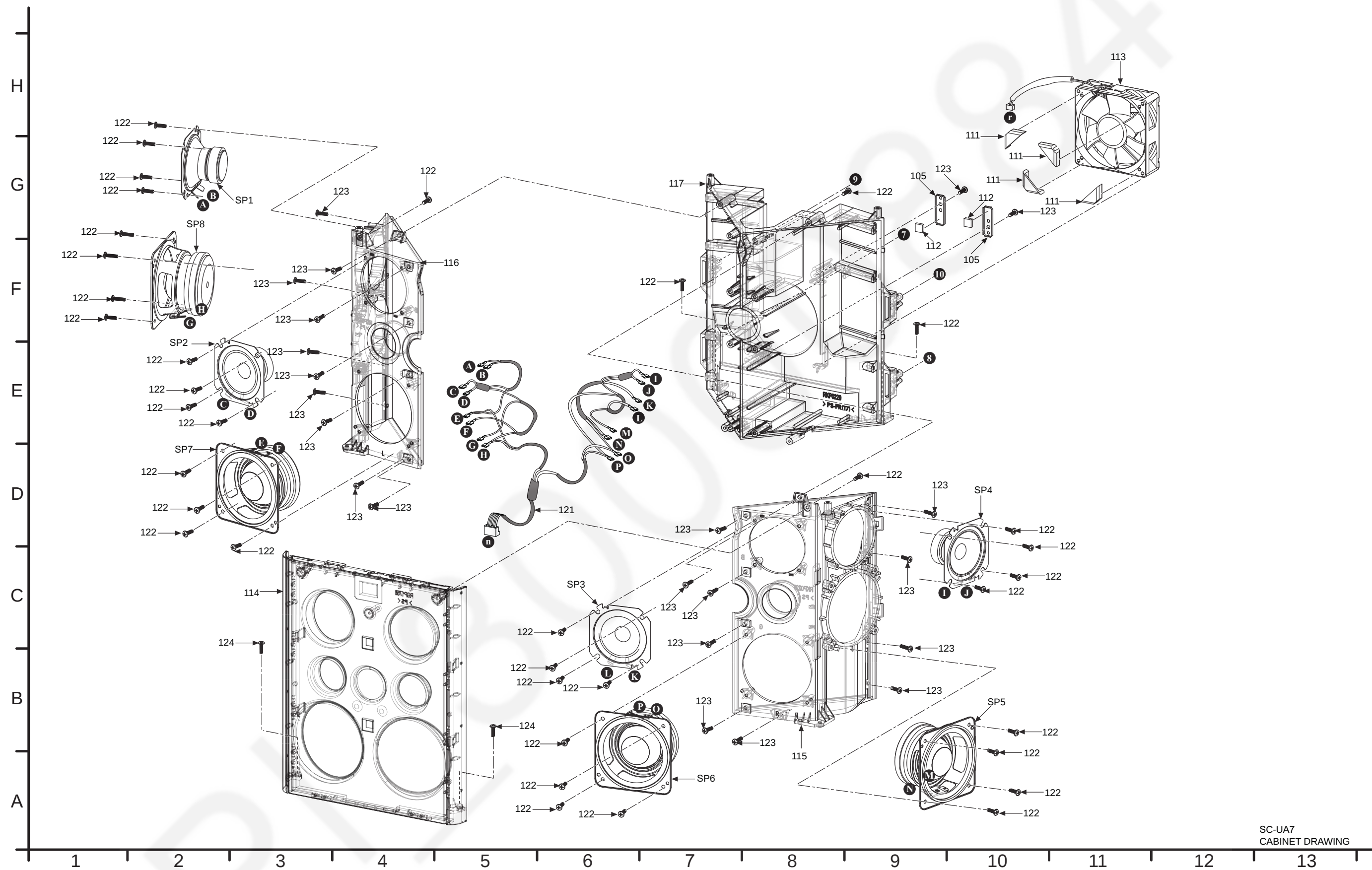
15.1. Cabinet Parts Location 1



15.2. Cabinet Parts Location 2

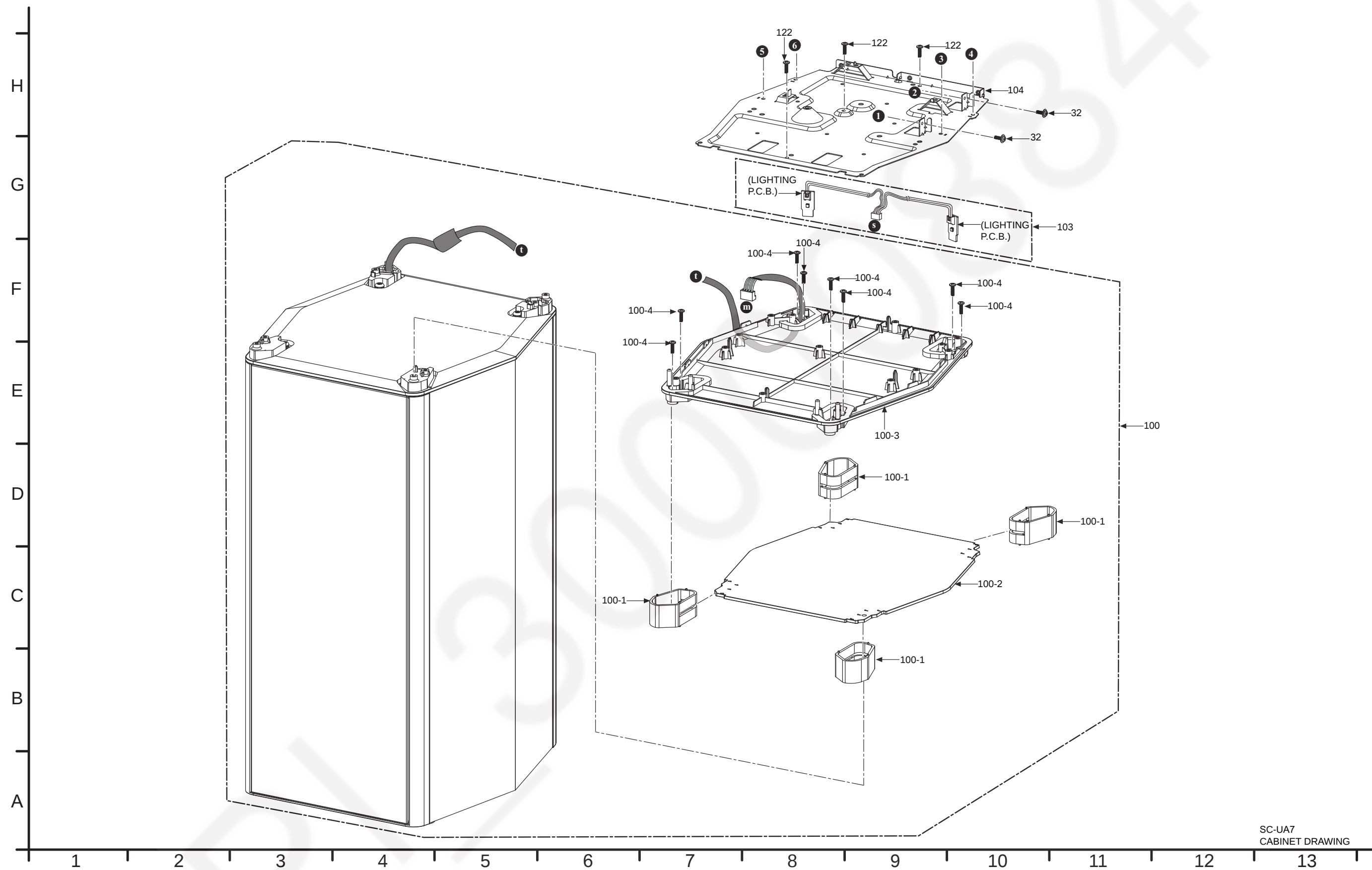


15.3. Cabinet Parts Location 3



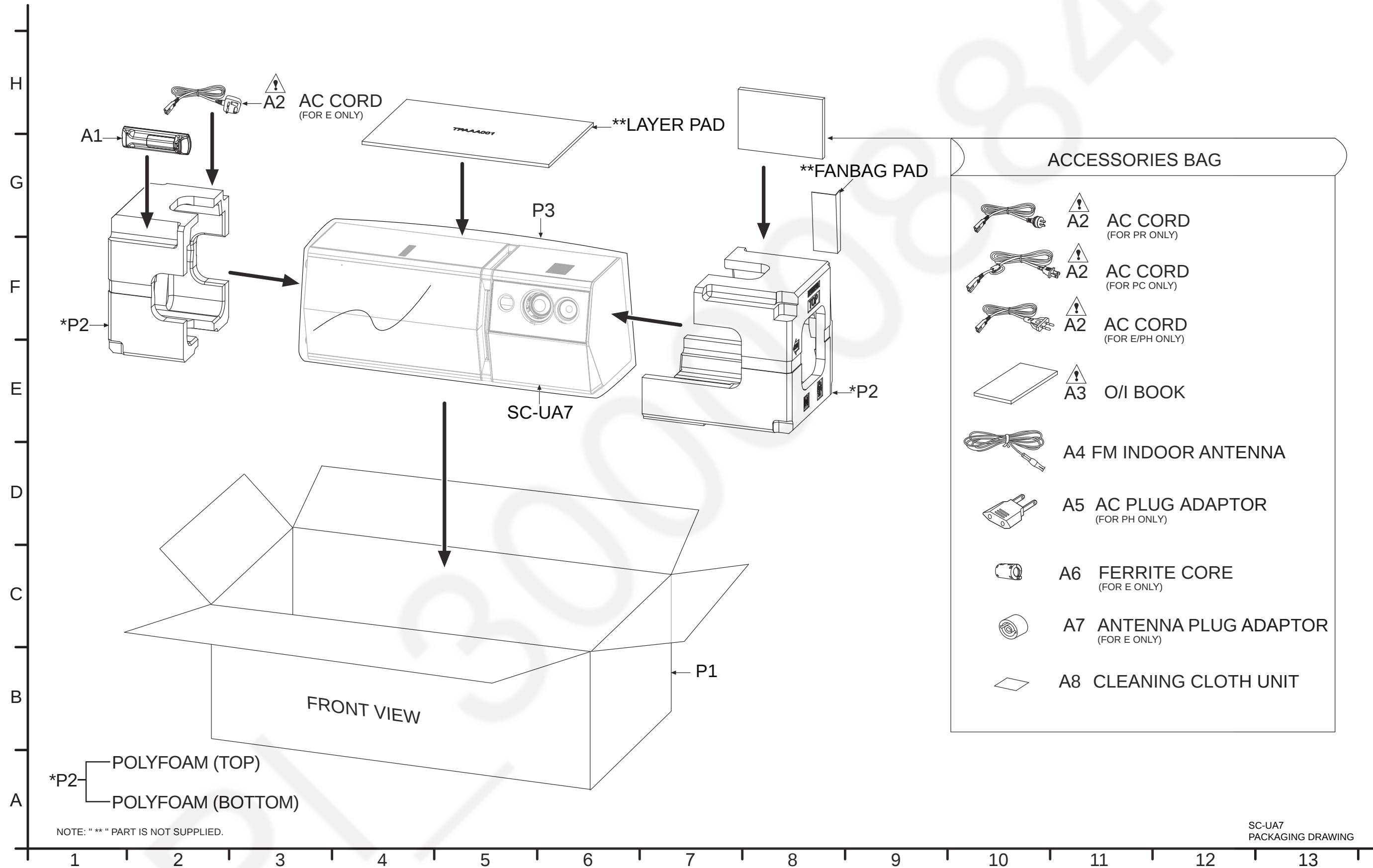
SC-UA7
CABINET DRAWING

15.4. Cabinet Parts Location 4



SC-UA7
CABINET DRAWING

15.5. Packaging



15.6. Mechanical Replacement Part List

Important Safety Notice

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

RTL (Retention Time Limited)

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

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

Note:

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

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

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
			CABINET AND CHASSIS		
	2	J0KD00000172	FERRITE CORE	1	E, PC
	3	L6FAYYYH0352	FAN MOTOR	1	
	5	REE2171	20P FFC (DAMP-MAIN)	1	
	6	REE2172	27P FFC (PANEL-MAIN)	1	
	7	REE2174	5P FFC (NFC-PANEL)	1	
	8	REX1928	13P WIRE (SMPS-DAMP)	1	
	9	REX1933	7P WIRE (MIC-MAIN)	1	
	10	REX1929	9P WIRE (DAMP-MAIN)	1	
	11	REX1930	7P WIRE (USB-MAIN)	1	
	12	REX1931	4P WIRE (USB-MAIN)	1	
	13	REX1934	3P WIRE (IR SENSOR-PANEL)	1	
	14	REX1954	PRIMARY WIRE RED	1	
	15	REX1955	PRIMARY WIRE BLACK	1	
	16	RYP2161-K	LEFT SIDE PANEL ASS'Y	1	
	17	RYP2162-K	RIGHT SIDE PANEL ASS'Y	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	18	RGP1759-Q	FRONT PANEL	1	E
	18	RGP1759A-Q	FRONT PANEL	1	PH, PR
	18	RGP1759B-Q	FRONT PANEL	1	PC
	19	RFKHCUA7PHK	PANEL PCB HOLDER ASS'Y	1	E, PH, PR
	19	RFKHCUA7PCK	PANEL PCB HOLDER ASS'Y	1	PC
	20	RFKGCUA7PHK	TOUCH SENSOR ASS'Y	1	PH, PR
	20	RFKGCUA7PCK	TOUCH SENSOR ASS'Y	1	PC
	20	RFKGCUA7E-K	TOUCH SENSOR ASS'Y	1	E
$\triangle$	21	RGR0487A-A1	REAR PANEL	1	E
$\triangle$	21	RGR0487A-C1	REAR PANEL	1	PH
$\triangle$	21	RGR0487A-D	REAR PANEL	1	PR
$\triangle$	21	RGR0487A-F	REAR PANEL	1	PC
	23	RXX0904	DAMP CHASSIS UNIT	1	
	24	RMK0917A	MAIN CHASSIS	1	
	25	RMN1149	USB HOLDER	1	
	26	RMX0510	SMPS PCB SPACER	2	
	27	RMN1049-1	FL HOLDER	1	
	31	RHD26046	SCREW	16	
	32	RHD30092-1	SCREW	13	
	33	VHD1224-1A	SCREW	11	
	34	XTB3+10JFJK	SCREW	36	
	35	RHD26078	SCREW	4	
	36	RHD26046-L	SCREW	7	PC, PH, PR
	36	RHD26046-L	SCREW	6	E
	37	RMN1148	TOUCH SENSOR PCB HOLDER COVER	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	38	TMKB349	EPT SEALER FL HOLDER	2	
	39	TMKB350	EPT SEALER USB HOLDER	1	
	40	TMKB351	SIDE PANEL HIMELON A	2	
	41	TMKB352	SIDE PANEL HIMELON B	4	
	42	TMKB353	SIDE PANEL HIMELON C	2	
	43	TMKB354	HIMELON (WIRE DRESSING)	1	
			SPEAKER CABINET		
	100	RFKKBUA7PHK	SPEAKER UNIT ASS'Y	1	
	100-1	RGK2649-S	CORNER HOLDER	4	
	100-2	RGL0841-X	LIGHTING PANEL	1	
	100-3	RGQ0899-K	HOLDER TOP PLATE	1	
	100-4	XTB3+10GFJ	SCREW	8	
	103	TYL0007	LIGHTING WIRE ASS'Y	1	
	104	RMK0916	BOTTOM CHASSIS	1	
	105	TENX5027	FAN BRACKET	2	
	111	TMKK638	FAN CUSHION	4	
	112	TMKK639	FAN BRACKET CUSHION	2	
	113	L6FAYYYH0352	FAN UNIT	1	
	114	RYP2160-K	UPPER FRONT PANEL ASS'Y	1	
	115	RKP0227-K	TOP SPEAKER FRONT RIGHT PANEL	1	
	116	RKP0228-K	TOP SPEAKER FRONT LEFT PANEL	1	
	117	RKP0229-K	TOP SPEAKER REAR CABINET	1	
	121	TNMX027	4P WIRE TOP SPEAKER	1	
	122	XTB3+10GFJ	SCREW	40	
	123	XTB3+12JFJK	SCREW	22	
	124	XTB3+16GFJK	SCREW	2	
			SPEAKER UNITS		
	SP1	L0AA06A00114	TWEETER SPEAKER (6CM)	1	
	SP2	L0AA06A00114	TWEETER SPEAKER (6CM)	1	
	SP3	L0AA06A00114	TWEETER SPEAKER (6CM)	1	
	SP4	L0AA06A00114	TWEETER SPEAKER (6CM)	1	
	SP5	L0AA08A00050	WOOFER SPEAKER (8CM)	1	
	SP6	L0AA08A00050	WOOFER SPEAKER (8CM)	1	
	SP7	L0AA08A00050	WOOFER SPEAKER (8CM)	1	
	SP8	L0AA08A00050	WOOFER SPEAKER (8CM)	1	
			PACKING MATERIALS		
	P1	RPG0T36-3	PACKING CASE	1	PH
	P1	RPG0T38-2	PACKING CASE	1	PR
	P1	RPG0T40-3	PACKING CASE	1	E
	P1	TPCD49101B	PACKING CASE	1	PC
	P2	RPN2774	POLYFOAM	1	
	P3	RPF0766	MIRAMAT BAG	1	
			ACCESSORIES		
	A1	N2QAYB001082	REMOTE CONTROL	1	E,PH,PR
	A1	N2QAYB001083	REMOTE CONTROL	1	PC

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
⚠	A2	K2CA2YY00039	AC CORD	1	PR
⚠	A2	K2CQ2YY00119	AC CORD	1	E,PH
⚠	A2	K2CT2YY00097	AC CORD	1	E
⚠	A2	RFA3683	AC CORD	1	PC
⚠	A3	RQT0B12-1B	O/I BOOK (En)	1	PH
⚠	A3	RQT0B13-1M	O/I BOOK (Sp)	1	PH,PR
⚠	A3	RQT0B16-1D	O/I BOOK (Ge,Fr,It,Du, Po,Cz)	1	E
⚠	A3	RQT0B24-1E	O/I BOOK (En,Sw,Da,Fi, Sp)	1	E
⚠	A3	RQT0B31-C	O/I BOOK (En,Cf)	1	PC
	A4	RSAX0002	FM INDOOR ANTENNA	1	
	A5	K2DAYYY00002	AC PLUG ADAPTOR	1	PH
	A6	J0KG00000037	FERRITE CORE	1	E
	A7	K1YZ02000013	ANTENNA PLUG ADAPTOR	1	E
	A8	TPBDA001	CLEANING CLOTH UNIT	1	

15.7. Electrical Replacement Part List

Important Safety Notice

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

RTL (Retention Time Limited)

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

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

Note:

- When replacing any of these components, be sure to use only manufacturer's specified parts shown in the replacement part list.
- The parenthesized indications on the Remarks column specify the destination & product color (Refer to the cover page for the information).
- Parts without these indications shall be used for all areas.
- Capacitor value are in microfarads (μ F) 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.	Part Name & Description	Qty	Remarks
			PRINTED CIRCUIT BOARDS		
	PCB1	RFKV5344EA	MAIN P.C.B ASS'Y	1	PH, PR
	PCB1	RFKV5344DA	MAIN P.C.B ASS'Y	1	PC
	PCB1	RFKV5344AA	MAIN P.C.B ASS'Y	1	E
	PCB2	REP5345BA	PANEL / IR SENSOR P.C.B	1	(RTL) PH, PR, PC
	PCB2	REP5345AA	PANEL / IR SENSOR P.C.B	1	(RTL) E
	PCB3	REP5345BB	MIC P.C.B	1	(RTL) PH, PR, PC
	PCB3	REP5345AB	MIC P.C.B	1	(RTL) E
	PCB4	REP5345BC	USB P.C.B	1	(RTL) PH, PR, PC
	PCB4	REP5345AC	USB P.C.B	1	(RTL) E
	PCB5	REP5346BA	DAMP P.C.B	1	(RTL) PH, PR
	PCB5	REP5346AA	DAMP P.C.B	1	(RTL) PC, E
	PCB6	RFKV5346BB	NFC KIT	1	PH, PR
	PCB6	RFKV5346AB	NFC KIT	1	PC, E
$\triangle$	PCB7	REP5347B	SMPS / AC INLET P.C.B	1	(RTL) PH, PR
$\triangle$	PCB7	REP5347C	SMPS / AC INLET P.C.B	1	(RTL) PC
$\triangle$	PCB7	REP5347A	SMPS / AC INLET P.C.B	1	(RTL) E
			INTEGRATED CIRCUITS		
	IC52	VUEALLPT087	IC	1	PC, PH, PR

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	IC52	VUEALLPT093	IC	1	E
	IC1001	C1AB00004409	IC	1	
	IC1002	C0EBY0000664	IC	1	
	IC1003	RFKWFCUA7LM	IC	1	
	IC1004	RFKV5346BB	IC	1	PH, PR
	IC1004	RFKV5346AB	IC	1	E, PC
	IC1006	C0JBAZ002990	IC	1	
	IC1201	C0DBBY00104	IC	1	
	IC1400	C1AB00004433	IC	1	E
	IC1401	C1AB00003130	IC	1	PC, PH, PR
	IC1402	MIP2F20MSSCF	IC	1	
	IC1501	C0DBBY000077	IC	1	
	IC1601	C0DAZYY00039	IC	1	
	IC1701	C0DAZYY00039	IC	1	
	IC2001	RFKWNCUA7LM	IC	1	
	IC2101	C0DBAYY01594	IC	1	
	IC2102	C0ABBA000318	IC	1	
	IC2103	C0DBAYY01594	IC	1	
	IC2104	C0DBGYY03909	IC	1	
	IC2107	C0DBGYY00911	IC	1	
	IC2108	C0DBGYY03909	IC	1	
	IC3001	C1AB00004014	IC	1	
	IC3101	C1AB00003986	IC	1	
	IC3201	C1AB00003986	IC	1	
	IC4001	VUEALLPT090	IC	1	
	IC4200	C1AB00004431	IC	1	
	IC4506	C1AB00004031	IC	1	
	IC4800	C0ABBB000230	IC	1	
	IC6100	C0JBAR000367	IC	1	
	IC6800	C0JBAC000363	IC	1	
	IC6801	C0JBAC000363	IC	1	
	IC9002	C0DBZYY00716	IC	1	
	IC9003	C0DBZYY00716	IC	1	
			TRANSISTORS		

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	Q1002	B1GBCFJJ0041	TRANSISTOR	1	
	Q1003	B1ABGC000005	TRANSISTOR	1	
	Q1103	B1CERR000155	TRANSISTOR	1	
	Q1206	B1ABCF000176	TRANSISTOR	1	
	Q1265	B1ADCE000012	TRANSISTOR	1	
	Q1266	B1ABCF000176	TRANSISTOR	1	
	Q1402	B1ACKD000006	TRANSISTOR	1	
⚠	Q1403	B3PBA0000579	TRANSISTOR	1	
⚠	Q1404	B3PBA0000579	TRANSISTOR	1	
⚠	Q1405	B3PBA0000579	TRANSISTOR	1	
	Q1501	B1CERR000147	TRANSISTOR	1	
	Q1502	B1CERR000147	TRANSISTOR	1	
⚠	Q1505	B3PBA0000579	TRANSISTOR	1	
⚠	Q1701	B3PBA0000579	TRANSISTOR	1	
	Q1702	B1ABCF000176	TRANSISTOR	1	
	Q1765	B1ADCE000012	TRANSISTOR	1	
	Q1766	B1ABCF000176	TRANSISTOR	1	
	Q2001	B1ABGC000005	TRANSISTOR	1	
	Q2002	B1ABGC000005	TRANSISTOR	1	
	Q2022	B1AAJC000019	TRANSISTOR	1	E
	Q2100	B1AAJC000019	TRANSISTOR	1	
	Q2103	B1AAJC000019	TRANSISTOR	1	
	Q2104	B1ABCF000231	TRANSISTOR	1	
	Q2106	B1ABCF000231	TRANSISTOR	1	
	Q2108	B1ABCF000231	TRANSISTOR	1	
	Q2110	B1ABCF000231	TRANSISTOR	1	
	Q2111	B1ABCF000231	TRANSISTOR	1	
	Q2112	B1ABCF000231	TRANSISTOR	1	
	Q2113	B1AAJC000019	TRANSISTOR	1	
	Q2117	B1ADGF000010	TRANSISTOR	1	
	Q3500	B1ABCF000231	TRANSISTOR	1	
	Q3501	B1ABCF000231	TRANSISTOR	1	
	Q3502	DSA200100L	TRANSISTOR	1	
	Q3503	B1ABCF000231	TRANSISTOR	1	
	Q4200	B1HFCDE00002	TRANSISTOR	1	
	Q6801	B1HFCDE00002	TRANSISTOR	1	
	Q6802	B1HFCDE00002	TRANSISTOR	1	
	Q6803	B1ABBE000003	TRANSISTOR	1	
	Q9000	B1ABGC000005	TRANSISTOR	1	
	QR1201	B1GBCFJJ0040	TRANSISTOR	1	
	QR1203	B1GBCFJJ0040	TRANSISTOR	1	
	QR1204	B1GBCFGN0018	TRANSISTOR	1	
	QR1205	B1GBCFGN0018	TRANSISTOR	1	
	QR1267	B1GBCFJJ0041	TRANSISTOR	1	
	QR1601	B1GBCFLL0037	TRANSISTOR	1	
	QR1701	B1GBCFLL0037	TRANSISTOR	1	
	QR1720	B1GBCFLL0037	TRANSISTOR	1	
	QR1767	B1GBCFJJ0041	TRANSISTOR	1	
	QR2002	B1GDCFGG0026	TRANSISTOR	1	
	QR2100	B1GBCFJJ0040	TRANSISTOR	1	
	QR2102	B1GBCFJJ0040	TRANSISTOR	1	
	QR2102	B1GBCFJJ0041	TRANSISTOR	1	
	QR2500	B1GBCFGN0018	TRANSISTOR	1	
	QR2501	B1GBCFGN0016	TRANSISTOR	1	
	QR6100	B1GBCFJJ0040	TRANSISTOR	1	
	QR6101	B1GBCFJJ0040	TRANSISTOR	1	
	QR9001	B1GBCFGN0016	TRANSISTOR	1	
	QR9002	B1GBCFGN0016	TRANSISTOR	1	
	QR9003	B1GBCFGN0016	TRANSISTOR	1	
	QR9004	B1GBCFGN0016	TRANSISTOR	1	
			DIODES		
	D1001	B0FBBR000114	DIODE	1	
	D1201	B0ABRR000004	DIODE	1	
	D1203	B0ECNR000003	DIODE	1	
	D1204	B0HAMP000094	DIODE	1	
	D1205	B0HAMP000094	DIODE	1	
	D1401	DZ2J100M0L	DIODE	1	E
	D1402	B0EDHS000002	DIODE	1	
	D1403	B0HAMP000094	DIODE	1	
	D1404	B0EAMM000057	DIODE	1	
	D1405	B0EAMM000057	DIODE	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	D1406	B0ECET000006	DIODE	1	
	D1416	DZ2J100M0L	DIODE	1	
	D1502	DZ2J120M0L	DIODE	1	
	D1503	B0HAMP000094	DIODE	1	
	D1504	B0JCPD000039	DIODE	1	
	D1505	B0JCPD000039	DIODE	1	
	D1506	B0EAMR000018	DIODE	1	
	D1601	B0EAMM000057	DIODE	1	
	D1703	B0FBCM000011	DIODE	1	
	D1705	B0FBCM000011	DIODE	1	
	D2101	DA2J10100L	DIODE	1	
	D2103	DA2J10100L	DIODE	1	
	D2104	DZ2J130M0L	DIODE	1	
	D2105	B0ADDJ000032	DIODE	1	
	D2106	B0JCPG000032	DIODE	1	
	D2107	B0JCPG000032	DIODE	1	
	D2109	B0ADDJ000032	DIODE	1	
	D2110	DZ2J130M0L	DIODE	1	
	D2111	DA2J10100L	DIODE	1	
	D2112	DZ2J075M0L	DIODE	1	
	D2300	DA2J10100L	DIODE	1	
	D3000	DA2J10100L	DIODE	1	
	D3001	DA2J10100L	DIODE	1	
	D6022	B0EAMM000057	DIODE	1	PC, PH, PR
	D6023	B0EAMM000057	DIODE	1	E
	D6801	B0ADDH000009	DIODE	1	
	D6802	B0ADDH000009	DIODE	1	
	D6803	DZ2J056M0L	DIODE	1	
	D9000	B3AAA0001129	DIODE	1	
	D9001	B0ECKM000008	DIODE	1	
	D9001	B3AAA0001129	DIODE	1	
	D9003	B3AFA0000131	DIODE	1	
	D9004	B3AFA0000131	DIODE	1	
	D9007	B3AAA0001129	DIODE	1	
	D9008	B3AAA0001129	DIODE	1	
⚠	DZ1001	D4EAY511A127	VARISTOR	1	
			VARISTORS		
	VA51	EZAEG2A50AX	ESD SUPPRESSOR	1	
			CONNECTORS		
	CN1404	K1ZZ00000833	7P WIRE HOLDER	1	
	CN1851	K1KA13AA0181	13P CONNECTOR	1	
	CN2100	K1YA09000001	9P CONNECTOR	1	
	CN2101	K1KA02AA0186	2P CONNECTOR	1	
	CN2102	K1KA02AA0186	2P CONNECTOR	1	
	CN2103	K1KA13AA0181	13P CONNECTOR	1	
	CN2105	K1MN20A00013	20P CONNECTOR	1	
	CN2500	K1MN27AA0046	27P CONNECTOR	1	
	CN2501	K1MN17A00040	17P CONNECTOR	1	
	CN2502	K1KA04AA0193	4P CONNECTOR	1	
	CN2503	K1MN20A00013	20P CONNECTOR	1	
	CN2504	K1KA09AA0193	9P CONNECTOR	1	
	CN2505	K1KA07AA0193	7P CONNECTOR	1	
	CN2506	K1KA04AA0193	4P CONNECTOR	1	
	CN2507	K1KA07AA0193	7P CONNECTOR	1	
	CN3501	K1KA04A00629	4P CONNECTOR	1	
	CN3502	K1KA04A00629	4P CONNECTOR	1	
	CN6401	K1ZZ00000833	7P WIRE HOLDER	1	
	CN6402	K1ZZ00000832	CONNECTOR	1	
	CN6500	K1KA03BA0061	3P CONNECTOR	1	
	CN6501	K1KA03AA0193	3P CONNECTOR	1	
	CN6801	K1MN27B00016	27P CONNECTOR	1	
	CN6802	K1MN05B00011	5P CONNECTOR	1	
			COILS AND INDUC-TORS		
	L51	G1CR18JA0020	INDUCTOR	1	
	L54	G1C1R0MA0204	INDUCTOR	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
⚠	L1001	G0B223J00001	LINE FILTER	1	E,PC
⚠	L1002	G0B502J00005	LINE FILTER	1	PH,PR
⚠	L1003	G0B223J00001	LINE FILTER	1	E,PC
	L1201	G0C281J00001	INDUCTOR	1	
	L2101	G1C470MA0445	INDUCTOR	1	
	L2102	G1C330MA0291	INDUCTOR	1	
	L2105	G0C100M00009	INDUCTOR	1	E,PC
	L3000	G0C100M00013	INDUCTOR	1	
	L3001	G0C100M00013	INDUCTOR	1	
	L3002	D0GDR00J0004	0 1/8W	1	
	L3100	G0C100M00013	INDUCTOR	1	
	L3101	G0C100M00013	INDUCTOR	1	
	L3200	G0C100M00013	INDUCTOR	1	
	L3201	G0C100M00013	INDUCTOR	1	
	L6300	J0JBC0000019	INDUCTOR	1	
	L6301	J0JBC0000019	INDUCTOR	1	
	L6302	J0JBC0000019	INDUCTOR	1	
	LB51	J0JBC0000032	INDUCTOR	1	
	LB52	J0JYC0000118	INDUCTOR	1	
	LB1001	J0JYC0000656	INDUCTOR	1	
	LB1002	J0JYC0000656	INDUCTOR	1	
	LB1003	J0JKB0000015	INDUCTOR	1	E,PC
	LB1003	J0JYC0000656	INDUCTOR	1	
	LB1004	J0JKB0000015	INDUCTOR	1	E,PC
	LB1004	J0JYC0000656	INDUCTOR	1	
	LB1005	J0JYC0000656	INDUCTOR	1	
	LB1006	J0JYC0000656	INDUCTOR	1	
	LB1007	J0JYC0000656	INDUCTOR	1	
	LB1011	J0JCC0000286	INDUCTOR	1	
	LB1018	J0JCC0000286	INDUCTOR	1	
	LB1019	J0JCC0000287	INDUCTOR	1	
	LB1020	J0JCC0000287	INDUCTOR	1	
	LB1034	J0JYC0000656	INDUCTOR	1	
	LB1036	J0JCC0000286	INDUCTOR	1	
	LB1040	J0JCC0000286	INDUCTOR	1	
	LB1042	J0JCC0000286	INDUCTOR	1	
	LB1043	J0JYC0000656	INDUCTOR	1	
	LB1044	J0JYC0000656	INDUCTOR	1	
	LB1045	J0JCC0000286	INDUCTOR	1	
	LB1046	J0JCC0000286	INDUCTOR	1	
	LB1047	J0JCC0000286	INDUCTOR	1	
	LB1048	J0JCC0000286	INDUCTOR	1	
	LB1201	J0JKB0000015	INDUCTOR	1	E,PC
	LB1201	J0JYC0000656	INDUCTOR	1	
	LB1213	J0JKB0000015	INDUCTOR	1	E,PC
	LB1404	J0JBC0000019	INDUCTOR	1	PC, PH, PR
	LB1501	J0JGC0000020	INDUCTOR	1	
	LB1502	J0JKB0000015	INDUCTOR	1	
	LB2001	J0JYC0000656	INDUCTOR	1	
	LB2002	J0JYC0000656	INDUCTOR	1	
	LB2102	J0JHC0000046	INDUCTOR	1	
	LB2103	J0JHC0000046	INDUCTOR	1	
	LB2104	J0JKB0000020	INDUCTOR	1	
	LB2500	J0JYC0000656	INDUCTOR	1	
	LB2501	J0JYC0000656	INDUCTOR	1	
	LB2502	J0JYC0000656	INDUCTOR	1	
	LB2503	J0JYC0000656	INDUCTOR	1	
	LB2504	J0JYC0000656	INDUCTOR	1	
	LB2505	J0JYC0000656	INDUCTOR	1	
	LB2506	J0JGC0000063	INDUCTOR	1	
	LB2507	J0JGC0000063	INDUCTOR	1	
	LB2508	J0JYC0000656	INDUCTOR	1	
	LB2509	J0JYC0000656	INDUCTOR	1	
	LB4001	J0JYC0000656	INDUCTOR	1	
	LB4002	J0JYC0000656	INDUCTOR	1	
	LB4003	J0JYC0000656	INDUCTOR	1	
	LB4530	J0JCC0000101	INDUCTOR	1	
	LB4800	D0GB101JA065	100 1/10W	1	
	LB6100	J0JBC0000134	INDUCTOR	1	
	LB6119	J0JYC0000656	INDUCTOR	1	
	LB6120	J0JYC0000656	INDUCTOR	1	
	LB6123	J0JHC0000118	INDUCTOR	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	LB6400	J0JGC0000063	INDUCTOR	1	
	LB6401	J0JGC0000063	INDUCTOR	1	
	LB6404	J0JBC0000019	INDUCTOR	1	
	LB6405	J0JBC0000019	INDUCTOR	1	
	LB6408	J0JCC0000301	INDUCTOR	1	
	LB6409	J0JCC0000301	INDUCTOR	1	
	LB6801	J0JBC0000015	INDUCTOR	1	
	LB6802	J0JHC0000118	INDUCTOR	1	
	LB6803	J0JHC0000118	INDUCTOR	1	
	LB6804	J0JBC0000015	INDUCTOR	1	
	LB6805	J0JHC0000118	INDUCTOR	1	
	LB6806	J0JBC0000015	INDUCTOR	1	
	LB6807	J0JBC0000015	INDUCTOR	1	
	LB6808	J0JBC0000015	INDUCTOR	1	
	LB6809	J0JBC0000015	INDUCTOR	1	
	LB9001	D0GBR00J0004	0 1/10W	1	
	LB9002	D0GBR00J0004	0 1/10W	1	
			SOUND/BUZZER		
	BZ6800	L0DCCA000014	SOUND/BUZZER	1	
			FL DISPLAY		
	DP6801	A2BB00000186	FL DISPLAY	1	
			TRANSFORMERS		
⚠	T1401	G4DYA0000592	TRANSFORMER	1	
⚠	T1501	G4DYA0000778	TRANSFORMER	1	
			FILTERS		
	T9001	J0ZZB0000182	FILTER	1	
	T9002	J0ZZB0000182	FILTER	1	
			TERMINALS		
	ZJ1004	K4CZ01000027	TERMINAL	1	
	ZJ1007	K4CZ01000027	TERMINAL	1	
	ZJ1103	K4CZ01000027	TERMINAL	1	
	ZJ2100	K4AA01H00010	TERMINAL	1	
	ZJ2102	K4AA01H00010	TERMINAL	1	
	ZJ2103	K4AA01H00010	TERMINAL	1	
	ZJ2104	K4AA01H00010	TERMINAL	1	
	ZJ6001	K4AA01H00010	TERMINAL	1	
	ZJ6002	K4AA01H00010	TERMINAL	1	
	ZJ6003	K4AA01H00010	TERMINAL	1	
	ZJ6004	K4AA01H00010	TERMINAL	1	
			OSCILLATORS		
	X1001	H0J169500045	OSCILLATOR	1	
	X1002	H0A327200191	OSCILLATOR	1	
	X4001	H0J245500110	OSCILLATOR	1	
	X4200	H0J245500110	OSCILLATOR	1	
			FUSE		
⚠	F1001	K5D103BNA005	FUSE	1	
⚠	F1401	K5G501YA0081	FUSE	1	
⚠	F1501	K5G502Y00006	FUSE	1	
			FUSE HOLDERS		
	ZA1002	K3GE1ZZ00001	FUSE HOLDER	1	
	ZA1003	K3GE1ZZ00001	FUSE HOLDER	1	
			THERMISTORS		
	TH1201	D4CCY1040001	THERMISTOR	1	
	TH1701	D4CCY1040001	THERMISTOR	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
			JACKS		
	JK51	K4ZZ01000276	JK	1	
	JK1401	K2HB107B0001	JK	1	
	JK1402	K2HB107B0001	JK	1	E
	JK3003	B3RAB0000056	JK	1	
	JK6002	K2HA2YYA0009	JK	1	
	JK6104	K2HA2YYA0009	JK	1	
	JK6300	K2HC103A0031	JK	1	
	JK6400	K1FY104A0034	JK	1	
	JK6401	K1FY104A0034	JK	1	
⚠	P1001	K2AA2B000011	AC INLET	1	E, PH, PR
⚠	P1001	K2AB2B000007	AC INLET	1	PC
			CHIP JUMPERS		
	W30	D0GDR00J0004	0 1/8W	1	
	W101	D0GFR00J0005	0 1/4W	1	
	W102	D0GDR00J0004	0 1/8W	1	
	W103	D0GFR00J0005	0 1/4W	1	
	W104	D0GFR00J0005	0 1/4W	1	
	W105	D0GFR00J0005	0 1/4W	1	
	W106	D0GFR00J0005	0 1/4W	1	
	W107	D0GFR00J0005	0 1/4W	1	
	W108	D0GBR00J0004	0 1/10W	1	
	W109	D0GFR00J0005	0 1/4W	1	
	W111	D0GFR00J0005	0 1/4W	1	
	W112	D0GFR00J0005	0 1/4W	1	
	W113	D0GDR00J0004	0 1/8W	1	
	W114	D0GFR00J0005	0 1/4W	1	
	W116	D0GDR00J0004	0 1/8W	1	
	W118	D0GFR00J0005	0 1/4W	1	
	W119	D0GFR00J0005	0 1/4W	1	
	W120	D0GDR00J0004	0 1/8W	1	
	W121	D0GBR00J0004	0 1/10W	1	
	W122	D0GFR00J0005	0 1/4W	1	
	W123	D0GFR00J0005	0 1/4W	1	
	W124	D0GFR00J0005	0 1/4W	1	
	W125	D0GFR00J0005	0 1/4W	1	
	W126	D0GBR00J0004	0 1/10W	1	
	W128	D0GFR00J0005	0 1/4W	1	
	W129	D0GDR00J0004	0 1/8W	1	
	W130	D0GFR00J0005	0 1/4W	1	
	W131	D0GFR00J0005	0 1/4W	1	
	W132	D0GFR00J0005	0 1/4W	1	
	W133	D0GFR00J0005	0 1/4W	1	
	W134	D0GFR00J0005	0 1/4W	1	
	W135	D0GDR00J0004	0 1/8W	1	
	W136	D0GFR00J0005	0 1/4W	1	
	W137	D0GBR00J0004	0 1/10W	1	
	W138	D0GFR00J0005	0 1/4W	1	
	W139	D0GBR00J0004	0 1/10W	1	
	W140	D0GFR00J0005	0 1/4W	1	
	W141	D0GFR00J0005	0 1/4W	1	
	W200	D0GFR00J0005	0 1/4W	1	
	W201	D0GDR00J0004	0 1/8W	1	
	W201	D0GFR00J0005	0 1/4W	1	
	W202	D0GDR00J0004	0 1/8W	1	
	W202	D0GFR00J0005	0 1/4W	1	
	W203	D0GDR00J0004	0 1/8W	1	
	W203	D0GFR00J0005	0 1/4W	1	
	W204	D0GBR00J0004	0 1/10W	1	
	W204	D0GFR00J0005	0 1/4W	1	
	W205	D0GFR00J0005	0 1/4W	1	
	W206	D0GDR00J0004	0 1/8W	1	
	W208	D0GDR00J0004	0 1/8W	1	
	W210	D0GBR00J0004	0 1/10W	1	
	W211	D0GBR00J0004	0 1/10W	1	
	W212	D0GFR00J0005	0 1/4W	1	
	W213	D0GFR00J0005	0 1/4W	1	
	W214	D0GFR00J0005	0 1/4W	1	
	W215	D0GFR00J0005	0 1/4W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	W216	D0GFR00J0005	0 1/4W	1	
	W217	D0GFR00J0005	0 1/4W	1	
	W218	D0GFR00J0005	0 1/4W	1	
	W219	D0GBR00J0004	0 1/10W	1	
	W220	D0GDR00J0004	0 1/8W	1	
	W301	D0GBR00J0004	0 1/10W	1	
	W302	D0GDR00J0004	0 1/8W	1	
	W303	D0GDR00J0004	0 1/8W	1	
			REMOTE SENSOR		
	IR6500	B3RAD0000227	REMOTE SENSOR	1	
			RESISTORS		
	R50	F1J1H104A902	0.1uF 50V	1	
	R51	D0GB222JA065	2.2K 1/10W	1	
	R52	D0GB561JA065	560 1/10W	1	
	R55	D0GAR00J0005	0 1/16W	1	
	R56	D0GBR00J0004	0 1/10W	1	
	R57	D0GA102JA023	1K 1/16W	1	
	R59	D0GB222JA065	2.2K 1/10W	1	
	R60	D0GBR00J0004	0 1/10W	1	
	R73	D0GBR00J0004	0 1/10W	1	
	R74	D0GBR00J0004	0 1/10W	1	
	R75	D0GBR00J0004	0 1/10W	1	
	R76	D0GBR00J0004	0 1/10W	1	
	R77	D0GBR00J0004	0 1/10W	1	
	R78	D0GBR00J0004	0 1/10W	1	
	R79	D0GBR00J0004	0 1/10W	1	
	R80	D0GBR00J0004	0 1/10W	1	
	R1001	D0GA101JA023	100 1/16W	1	
⚠	R1001	D0GF105JA048	1M 1/4W	1	PC, PH, PR
⚠	R1001	D0GF474JA048	470K 1/4W	1	E
	R1002	D0GA101JA023	100 1/16W	1	
⚠	R1002	D0GF105JA048	1M 1/4W	1	PC, PH, PR
⚠	R1002	D0GF474JA048	470K 1/4W	1	E
	R1003	D0GA101JA023	100 1/16W	1	
⚠	R1003	D0GF105JA048	1M 1/4W	1	PC, PH, PR
⚠	R1003	D0GF474JA048	470K 1/4W	1	E
	R1004	D0GBR00J0004	0 1/10W	1	
	R1005	D0GA101JA023	100 1/16W	1	
	R1006	D0GA101JA023	100 1/16W	1	
	R1007	D0GA101JA023	100 1/16W	1	
	R1008	D0GA101JA023	100 1/16W	1	
	R1011	D0GA221JA023	220 1/16W	1	
	R1012	D0GB221JA065	220 1/10W	1	
	R1013	D0GA221JA023	220 1/16W	1	
	R1015	D0GB102JA065	1K 1/10W	1	
	R1016	D0GA101JA023	100 1/16W	1	
	R1017	D0GA101JA023	100 1/16W	1	
	R1018	D0GA101JA023	100 1/16W	1	
	R1019	D0GA101JA023	100 1/16W	1	
	R1022	D0GA221JA023	220 1/16W	1	
	R1023	D0GB221JA065	220 1/10W	1	
	R1024	D0GB681JA065	680 1/10W	1	
	R1025	D0GB105JA065	1M 1/10W	1	
	R1026	D0GB224JA065	220K 1/10W	1	
	R1027	D0GB106JA065	10M 1/10W	1	
	R1029	D0GA103JA023	10K 1/16W	1	
	R1030	J0JYC0000656	INDUCTOR	1	
	R1031	D0GB103JA065	10K 1/10W	1	
	R1033	D0GB223JA065	22K 1/10W	1	E
	R1033	D0GB302JA065	3.0K 1/10W	1	PC
	R1033	D0GB472JA065	4.7K 1/10W	1	PH, PR
	R1034	D0GA562JA023	5.6K 1/16W	1	
	R1035	D0GA103JA023	10K 1/16W	1	
	R1036	D0GB103JA065	10K 1/10W	1	
	R1038	D0GA103JA023	10K 1/16W	1	
	R1039	D0GB122JA065	1.2K 1/10W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	R1040	D0GB122JA065	1.2K 1/10W	1	
	R1041	D0GA101JA023	100 1/16W	1	
	R1042	D0GA103JA023	10K 1/16W	1	
	R1043	D0GA101JA023	100 1/16W	1	
	R1044	D0GA103JA023	10K 1/16W	1	
	R1045	D0GAR00J0005	0 1/16W	1	
	R1046	D0GA101JA023	100 1/16W	1	
	R1047	D0GAR00J0005	0 1/16W	1	
	R1048	D0GA101JA023	100 1/16W	1	
	R1049	D0GA101JA023	100 1/16W	1	
	R1050	D0GA101JA023	100 1/16W	1	
	R1052	D0GA103JA023	10K 1/16W	1	
	R1055	D0GA330JA023	33 1/16W	1	
	R1056	D0GA330JA023	33 1/16W	1	
	R1057	D0GA330JA023	33 1/16W	1	
	R1058	D0GA330JA023	33 1/16W	1	
	R1059	D0GA330JA023	33 1/16W	1	
	R1060	D0GA330JA023	33 1/16W	1	
	R1061	D0GBR00J0004	0 1/10W	1	
	R1062	D0GA101JA023	100 1/16W	1	
	R1063	D0GA101JA023	100 1/16W	1	
	R1064	D0GA101JA023	100 1/16W	1	
	R1065	D0GA101JA023	100 1/16W	1	
	R1066	D0GA101JA023	100 1/16W	1	
	R1067	D1BB6802A074	68K 1/10W	1	
	R1068	D1BB1502A074	15K 1/10W	1	
	R1069	D0GBR00J0004	0 1/10W	1	
	R1071	D0GA101JA023	100 1/16W	1	
	R1072	D0GA101JA023	100 1/16W	1	
	R1073	D0GBR00J0004	0 1/10W	1	
	R1078	D0GA330JA023	33 1/16W	1	
	R1079	D1BB1502A074	15K 1/10W	1	
	R1080	D1BB6802A074	68K 1/10W	1	
	R1082	D0GA101JA023	100 1/16W	1	
	R1083	D0GA101JA023	100 1/16W	1	
	R1084	D0GA101JA023	100 1/16W	1	
	R1085	D0GA101JA023	100 1/16W	1	
	R1100	D0GB101JA065	100 1/10W	1	
	R1109	D0GB103JA065	10K 1/10W	1	
	R1114	D0GB103JA065	10K 1/10W	1	
	R1115	D0GB122JA065	1.2K 1/10W	1	
	R1116	D0GB122JA065	1.2K 1/10W	1	
	R1117	D0GB103JA065	10K 1/10W	1	
	R1118	D0GB103JA065	10K 1/10W	1	
	R1119	D0GB103JA065	10K 1/10W	1	
	R1120	D0GB101JA065	100 1/10W	1	
	R1121	D0GB101JA065	100 1/10W	1	
	R1123	D0GBR00J0004	0 1/10W	1	
	R1124	D0GB474JA065	470K 1/10W	1	
	R1125	D0GB474JA065	470K 1/10W	1	
	R1152	D0GBR00J0004	0 1/10W	1	PC
	R1153	D0GBR00J0004	0 1/10W	1	PH, PR
	R1155	D0GBR00J0004	0 1/10W	1	E
	R1202	ERJ14YJ220U	22 1/2W	1	
	R1203	ERX2LJ39MP	0.39 2W	1	
	R1204	ERX2LJ39MP	0.39 2W	1	
	R1205	D0GD273JA052	27K 1/8W	1	
	R1209	D0GD103JA052	10K 1/8W	1	
	R1217	D1BD6803A066	680K 1/8W	1	
	R1218	D1BD6803A066	680K 1/8W	1	
	R1219	D1BD6803A066	680K 1/8W	1	
	R1222	D0GBR00J0004	0 1/10W	1	
	R1222	D1BD6803A066	680K 1/8W	1	
	R1223	D0GB123JA065	12K 1/10W	1	
	R1224	D0GB682JA065	6.8K 1/10W	1	
	R1225	D0GB273JA065	27K 1/10W	1	
	R1226	D0GB123JA065	12K 1/10W	1	
	R1228	D0GB273JA065	27K 1/10W	1	
	R1229	D0GB682JA065	6.8K 1/10W	1	
	R1229	D1BD3303A066	330K 1/8W	1	
	R1230	D1BD1802A066	18K 1/8W	1	
	R1232	D0GBR00J0004	0 1/10W	1	
	R1233	D1BD5602A066	56K 1/8W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	R1236	D0GD680JA052	68 1/8W	1	
	R1237	D1BD6803A066	680K 1/8W	1	
	R1238	D1BD6803A066	680K 1/8W	1	
	R1239	D1BD6803A066	680K 1/8W	1	
	R1240	D1BD6803A066	680K 1/8W	1	
	R1242	D1BD4702A066	47K 1/8W	1	
	R1243	D1BD6803A066	680K 1/8W	1	
	R1244	D1BB2702A074	27K 1/10W	1	
	R1245	D0GB102JA065	1K 1/10W	1	
	R1246	D0GB103JA065	10K 1/10W	1	
	R1255	D1BB1002A073	10K 1/10W	1	
	R1256	D1BB1002A073	10K 1/10W	1	
	R1257	D0GD103JA052	10K 1/8W	1	
	R1258	D1BB3901A074	3.9K 1/10W	1	
	R1259	D0GD103JA052	10K 1/8W	1	
	R1401	D0GB681JA065	680 1/10W	1	E
	R1402	D0GB102JA065	1K 1/10W	1	PC, PH, PR
	R1403	D0GBR00J0004	0 1/10W	1	PC, PH, PR
	R1405	D0GB563JA065	56K 1/10W	1	PC, PH, PR
	R1406	D0GB104JA065	100K 1/10W	1	PC, PH, PR
	R1407	D0GB561JA065	560 1/10W	1	PC, PH, PR
	R1408	D0GB681JA065	680 1/10W	1	PC, PH, PR
	R1409	D0GBR00J0004	0 1/10W	1	
	R1410	D0GBR00J0004	0 1/10W	1	E
	R1411	D0GB223JA065	22K 1/10W	1	
	R1411	D0GB563JA065	56K 1/10W	1	PC, PH, PR
	R1412	D0GB681JA065	680 1/10W	1	PC, PH, PR
	R1412	D0GD474JA052	470K 1/8W	1	
	R1413	D0GB151JA065	150 1/10W	1	E
	R1413	D0GD102JA052	1K 1/8W	1	
	R1414	D0GD103JA052	10K 1/8W	1	
	R1415	D0GZ104JA012	100K 1W	1	
	R1417	D0GF224JA048	220K 1/4W	1	
	R1418	D0GF224JA048	220K 1/4W	1	
	R1419	D0GD220JA052	22 1/8W	1	
	R1420	D0GB221JA065	220 1/10W	1	PC, PH, PR
	R1420	D0GD824JA052	820K 1/8W	1	
	R1431	D0GBR00J0004	0 1/10W	1	
	R1432	D0GBR00J0004	0 1/10W	1	
	R1433	D0GBR00J0004	0 1/10W	1	
	R1436	D0GB102JA065	1K 1/10W	1	E
	R1437	D0GB101JA065	100 1/10W	1	E
	R1440	D0GBR00J0004	0 1/10W	1	E
	R1441	D0GB222JA065	2.2K 1/10W	1	E
	R1442	D0GB271JA065	270 1/10W	1	E
	R1443	D0GB102JA065	1K 1/10W	1	E
	R1444	D0GB681JA065	680 1/10W	1	E
	R1445	D0GB151JA065	150 1/10W	1	E
	R1446	D0GBR00J0004	0 1/10W	1	E
	R1451	J0JYC0000656	INDUCTOR	1	
	R1454	D0GFR00J0005	0 1/4W	1	E
	R1457	J0JYC0000656	INDUCTOR	1	E
	R1458	D0GB153JA065	15K 1/10W	1	E
	R1459	D0GBR00J0004	0 1/10W	1	E
	R1460	D0GB101JA065	100 1/10W	1	E
	R1461	D0GB333JA065	33K 1/10W	1	E
	R1463	D0GB103JA065	10K 1/10W	1	
	R1464	D0GFR00J0005	0 1/4W	1	
	R1466	D0GBR00J0004	0 1/10W	1	PC, PH, PR
	R1467	D0GBR00J0004	0 1/10W	1	E
	R1468	D0GBR00J0004	0 1/10W	1	PC, PH, PR
	R1469	D0GBR00J0004	0 1/10W	1	E
	R1470	D0GBR00J0004	0 1/10W	1	PC, PH, PR

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	R1471	D0GBR00J0004	0 1/10W	1	PC, PH, PR
	R1472	D0GB681JA065	680 1/10W	1	E
	R1473	D0GB564JA065	560K 1/10W	1	E
	R1474	D0GB564JA065	560K 1/10W	1	E
	R1475	D0GB101JA065	100 1/10W	1	E
	R1476	D0GBR00J0004	0 1/10W	1	E
	R1479	D0GBR00J0004	0 1/10W	1	PC, PH, PR
	R1480	D0GBR00J0004	0 1/10W	1	E
	R1481	D0GBR00J0004	0 1/10W	1	
	R1501	D1BD4703A066	470K 1/8W	1	
	R1502	D1BD4703A066	470K 1/8W	1	
	R1503	D1BD4703A066	470K 1/8W	1	
	R1504	D1BD4703A066	470K 1/8W	1	
	R1505	D0GD103JA052	10K 1/8W	1	
	R1507	D0GD224JA052	220K 1/8W	1	
	R1508	ERJ14YJ220U	22 1/2W	1	E, PC
	R1508	ERJ14YJ4R7U	4.7 1/2W	1	PH, PR
	R1509	ERJ14YJ220U	22 1/2W	1	E, PC
	R1509	ERJ14YJ4R7U	4.7 1/2W	1	PH, PR
	R1510	D0GD470JA052	47 1/8W	1	
	R1511	D0GD330JA052	33 1/8W	1	
	R1512	ERJ14YJ220U	22 1/2W	1	PH, PR
	R1512	ERJ14YJ680U	68 1/2W	1	E, PC
	R1513	ERJ14YJ220U	22 1/2W	1	PH, PR
	R1513	ERJ14YJ680U	68 1/2W	1	E, PC
	R1514	D0GD180JA052	18 1/8W	1	
	R1515	D0GD682JA052	6.8K 1/8W	1	
	R1516	D0GD473JA052	47K 1/8W	1	
	R1517	D0GD473JA052	47K 1/8W	1	
	R1518	ERX2SZJR10P	0.1 2W	1	
	R1519	ERX2SZJR10P	0.1 2W	1	
	R1601	D0GD331JA052	330 1/8W	1	
	R1602	D0GB151JA065	150 1/10W	1	
	R1603	D0GB752JA065	7.5K 1/10W	1	
	R1604	D1BB1002A074	10K 1/10W	1	
	R1605	D0GBR00J0004	0 1/10W	1	
	R1606	D1BB1002A074	10K 1/10W	1	
	R1607	D0GB222JA065	2.2K 1/10W	1	
	R1701	D0GD152JA052	1.5K 1/8W	1	
	R1702	D0GD272JA052	2.7K 1/8W	1	
	R1703	D0GD272JA052	2.7K 1/8W	1	
	R1704	D0GB104JA065	100K 1/10W	1	
	R1705	D0GB103JA065	10K 1/10W	1	
	R1706	D0GD103JA052	10K 1/8W	1	
	R1708	D1BB3302A074	33K 1/10W	1	
	R1709	D0GBR00J0004	0 1/10W	1	
	R1710	D1BB1801A074	1.8K 1/10W	1	
	R1711	D1BB2401A074	2.4K 1/10W	1	
	R1716	D0GD102JA052	1K 1/8W	1	
	R1717	D0GBR00J0004	0 1/10W	1	
	R1721	D1BB2402A074	24K 1/10W	1	
	R1724	D0GD561JA052	560 1/8W	1	
	R1725	D0GB472JA065	4.7K 1/10W	1	
	R1726	D0GB103JA065	10K 1/10W	1	
	R1755	D1BB1002A073	10K 1/10W	1	
	R1756	D1BB1002A073	10K 1/10W	1	
	R1757	D0GD103JA052	10K 1/8W	1	
	R1758	D1BB8201A074	8.2K 1/10W	1	
	R1852	D0GB103JA065	10K 1/10W	1	PH, PR
	R1852	D0GB393JA065	39K 1/10W	1	E
	R1852	D0GB472JA065	4.7K 1/10W	1	PC
	R2001	D0GB473JA065	47K 1/10W	1	
	R2002	D0GB473JA065	47K 1/10W	1	
	R2003	D0GB473JA065	47K 1/10W	1	
	R2004	D0GB473JA065	47K 1/10W	1	
	R2005	D0GB473JA065	47K 1/10W	1	
	R2006	D0GB473JA065	47K 1/10W	1	
	R2007	D0GB473JA065	47K 1/10W	1	
	R2100	D0GBR00J0004	0 1/10W	1	
	R2101	D0GB681JA065	680 1/10W	1	
	R2102	D0GB473JA065	47K 1/10W	1	
	R2103	D0GB123JA065	12K 1/10W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	R2104	D0GB153JA065	15K 1/10W	1	
	R2105	D0GB471JA065	470 1/10W	1	
	R2113	D0GDR00J0004	0 1/8W	1	
	R2117	D0GB681JA065	680 1/10W	1	
	R2118	D0GB473JA065	47K 1/10W	1	
	R2119	D0GB123JA065	12K 1/10W	1	
	R2125	D0GB274JA065	270K 1/10W	1	
	R2126	D0GB823JA065	82K 1/10W	1	
	R2129	D0GB682JA065	6.8K 1/10W	1	
	R2130	D0GB221JA065	220 1/10W	1	
	R2135	F1H1H104B047	0.1uF 50V	1	
	R2137	D0GB101JA065	100 1/10W	1	
	R2141	D0GB474JA065	470K 1/10W	1	
	R2143	D0AF270JA039	27 1/2W	1	
	R2146	D0GBR00J0004	0 1/10W	1	
	R2147	D0GBR00J0004	0 1/10W	1	
	R2148	D0GB682JA065	6.8K 1/10W	1	
	R2149	D0GB274JA065	270K 1/10W	1	
	R2150	D0GB823JA065	82K 1/10W	1	
	R2151	D0GB221JA065	220 1/10W	1	
	R2152	F1H1H104B047	0.1uF 50V	1	
	R2153	D0GB474JA065	470K 1/10W	1	
	R2154	D0GB101JA065	100 1/10W	1	
	R2155	D0AF270JA039	27 1/2W	1	
	R2156	D0GB331JA065	330 1/10W	1	
	R2157	D0GB101JA065	100 1/10W	1	
	R2164	D1BB6802A074	68K 1/10W	1	
	R2165	D1BB1203A074	120K 1/10W	1	
	R2166	D1BB1002A074	10K 1/10W	1	
	R2167	D0GB103JA065	10K 1/10W	1	
	R2168	D1BB1503A074	150K 1/10W	1	
	R2174	D0GDR00J0004	0 1/8W	1	
	R2175	D1BB1002A074	10K 1/10W	1	
	R2176	D1BB3002A074	30K 1/10W	1	
	R2177	D1BB3002A074	30K 1/10W	1	
	R2178	D1BB1503A074	150K 1/10W	1	
	R2179	D0GB103JA065	10K 1/10W	1	
	R2180	D1BB6802A074	68K 1/10W	1	
	R2181	D1BB6802A074	68K 1/10W	1	
	R2187	D0GDR00J0004	0 1/8W	1	
	R2221	D0GBR00J0004	0 1/10W	1	
	R2232	D0GBR00J0004	0 1/10W	1	
	R2233	D0GBR00J0004	0 1/10W	1	
	R2234	D0GBR00J0004	0 1/10W	1	
	R2237	D0GB222JA065	2.2K 1/10W	1	
	R2248	D0GB4R7JA065	4.7 1/10W	1	
	R2251	D0GDR00J0004	0 1/8W	1	
	R2252	D0GDR00J0004	0 1/8W	1	
	R2253	D0GB102JA065	1K 1/10W	1	
	R2255	D0GB102JA065	1K 1/10W	1	
	R2300	D0GB472JA065	4.7K 1/10W	1	
	R2301	D0GB472JA065	4.7K 1/10W	1	
	R2302	D0GB103JA065	10K 1/10W	1	
	R2303	J0JGC0000063	INDUCTOR	1	
	R2304	D0GDR00J0004	0 1/8W	1	
	R2305	J0JGC0000063	INDUCTOR	1	
	R2306	D0GB222JA065	2.2K 1/10W	1	
	R2307	D0GDR00J0004	0 1/8W	1	
	R2412	D0GB103JA065	10K 1/10W	1	
	R2413	D0GB103JA065	10K 1/10W	1	
	R2417	D0GB103JA065	10K 1/10W	1	
	R2418	D0GB103JA065	10K 1/10W	1	
	R2419	D0GB181JA065	180 1/10W	1	
	R2420	D0GB181JA065	180 1/10W	1	
	R2421	D0GB331JA065	330 1/10W	1	
	R2422	D0GB681JA065	680 1/10W	1	
	R2423	D0GB272JA065	2.7K 1/10W	1	
	R2424	D0GB101JA065	100 1/10W	1	
	R2425	D0GB101JA065	100 1/10W	1	
	R2500	D0GBR00J0004	0 1/10W	1	
	R2501	J0JYC0000656	INDUCTOR	1	
	R2502	D0GBR00J0004	0 1/10W	1	
	R2503	J0JYC0000656	INDUCTOR	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	R2504	J0JYC0000656	INDUCTOR	1	
	R2505	D0GB473JA065	47K 1/10W	1	
	R2506	J0JBC0000015	INDUCTOR	1	
	R2507	J0JBC0000015	INDUCTOR	1	
	R2508	J0JBC0000015	INDUCTOR	1	
	R2509	J0JYC0000656	INDUCTOR	1	
	R2510	J0JYC0000656	INDUCTOR	1	
	R2511	J0JYC0000656	INDUCTOR	1	
	R2512	J0JYC0000656	INDUCTOR	1	
	R2513	D0GBR00J0004	0 1/10W	1	
	R2514	D0GBR00J0004	0 1/10W	1	
	R2515	D0GBR00J0004	0 1/10W	1	
	R2518	J0JBC0000015	INDUCTOR	1	
	R2519	J0JYC0000656	INDUCTOR	1	
	R2520	J0JYC0000656	INDUCTOR	1	
	R2521	J0JYC0000656	INDUCTOR	1	
	R2522	J0JYC0000656	INDUCTOR	1	
	R2524	J0JYC0000656	INDUCTOR	1	
	R2525	J0JYC0000656	INDUCTOR	1	
	R2526	J0JYC0000656	INDUCTOR	1	
	R2527	J0JBC0000015	INDUCTOR	1	
	R2528	D0GBR00J0004	0 1/10W	1	
	R2529	J0JBC0000015	INDUCTOR	1	
	R2530	J0JYC0000656	INDUCTOR	1	
	R2531	J0JYC0000656	INDUCTOR	1	
	R2532	J0JYC0000656	INDUCTOR	1	
	R2533	J0JYC0000656	INDUCTOR	1	
	R2534	J0JYC0000656	INDUCTOR	1	
	R2535	J0JYC0000656	INDUCTOR	1	
	R2536	J0JYC0000656	INDUCTOR	1	
	R2537	J0JYC0000656	INDUCTOR	1	
	R2538	D0GBR00J0004	0 1/10W	1	
	R2539	J0JBC0000015	INDUCTOR	1	
	R2540	J0JBC0000015	INDUCTOR	1	
	R2541	D0GBR00J0004	0 1/10W	1	
	R2542	D0GBR00J0004	0 1/10W	1	
	R2543	D0GBR00J0004	0 1/10W	1	
	R2544	D0GBR00J0004	0 1/10W	1	
	R2545	D0GBR00J0004	0 1/10W	1	
	R2546	D0GBR00J0004	0 1/10W	1	
	R2547	J0JYC0000656	INDUCTOR	1	
	R2548	D0GBR00J0004	0 1/10W	1	
	R2549	D0GBR00J0004	0 1/10W	1	
	R2551	J0JYC0000656	INDUCTOR	1	
	R2552	J0JYC0000656	INDUCTOR	1	
	R2553	J0JYC0000656	INDUCTOR	1	
	R2554	D0GBR00J0004	0 1/10W	1	
	R3000	D0GB100JA065	10 1/10W	1	
	R3001	D0GB100JA065	10 1/10W	1	
	R3002	D0GB223JA065	22K 1/10W	1	
	R3003	D0GB101JA065	100 1/10W	1	
	R3004	D0GB101JA065	100 1/10W	1	
	R3005	D0GB101JA065	100 1/10W	1	
	R3007	D0GBR00J0004	0 1/10W	1	
	R3009	D0GB101JA065	100 1/10W	1	
	R3011	D0GB100JA065	10 1/10W	1	
	R3012	D0GD220JA052	22 1/8W	1	
	R3013	D0GD220JA052	22 1/8W	1	
	R3014	D0GD220JA052	22 1/8W	1	
	R3015	D0GD220JA052	22 1/8W	1	
	R3016	D0GBR00J0004	0 1/10W	1	
	R3017	D0GBR00J0004	0 1/10W	1	
	R3018	D0GBR00J0004	0 1/10W	1	
	R3019	D0GBR00J0004	0 1/10W	1	
	R3020	D0GB101JA065	100 1/10W	1	
	R3021	D0GB101JA065	100 1/10W	1	
	R3100	D0GB100JA065	10 1/10W	1	
	R3101	D0GB100JA065	10 1/10W	1	
	R3102	D0GB223JA065	22K 1/10W	1	
	R3103	D0GB101JA065	100 1/10W	1	
	R3104	D0GBR00J0004	0 1/10W	1	
	R3105	D0GB100JA065	10 1/10W	1	
	R3106	D0GD220JA052	22 1/8W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	R3107	D0GD220JA052	22 1/8W	1	
	R3108	D0GD220JA052	22 1/8W	1	
	R3109	D0GD220JA052	22 1/8W	1	
	R3110	D0GBR00J0004	0 1/10W	1	
	R3111	D0GBR00J0004	0 1/10W	1	
	R3112	D0GBR00J0004	0 1/10W	1	
	R3113	D0GBR00J0004	0 1/10W	1	
	R3114	D0GBR00J0004	0 1/10W	1	
	R3115	D0GB101JA065	100 1/10W	1	
	R3116	D0GB101JA065	100 1/10W	1	
	R3200	D0GB100JA065	10 1/10W	1	
	R3201	D0GB100JA065	10 1/10W	1	
	R3202	D0GB223JA065	22K 1/10W	1	
	R3203	D0GB101JA065	100 1/10W	1	
	R3204	D0GBR00J0004	0 1/10W	1	
	R3205	D0GB100JA065	10 1/10W	1	
	R3206	D0GD220JA052	22 1/8W	1	
	R3207	D0GD220JA052	22 1/8W	1	
	R3208	D0GD220JA052	22 1/8W	1	
	R3209	D0GD220JA052	22 1/8W	1	
	R3210	D0GBR00J0004	0 1/10W	1	
	R3211	D0GBR00J0004	0 1/10W	1	
	R3213	D0GB101JA065	100 1/10W	1	
	R3214	D0GB101JA065	100 1/10W	1	
	R3215	D0GBR00J0004	0 1/10W	1	
	R3216	D0GBR00J0004	0 1/10W	1	
	R3453	D0GBR00J0004	0 1/10W	1	
	R3454	D0GBR00J0004	0 1/10W	1	
	R3505	D0GB104JA065	100K 1/10W	1	
	R3506	D0GB104JA065	100K 1/10W	1	
	R3507	D0GB3R3JA065	3.3 1/10W	1	
	R3508	D0GB3R3JA065	3.3 1/10W	1	
	R3509	D0GB104JA065	100K 1/10W	1	
	R3510	D0GB104JA065	100K 1/10W	1	
	R3511	D0GB3R3JA065	3.3 1/10W	1	
	R3512	D0GB3R3JA065	3.3 1/10W	1	
	R3517	D0GB104JA065	100K 1/10W	1	
	R3518	D0GB104JA065	100K 1/10W	1	
	R3519	D0GB3R3JA065	3.3 1/10W	1	
	R3520	D0GB3R3JA065	3.3 1/10W	1	
	R3521	D0GB104JA065	100K 1/10W	1	
	R3522	D0GB104JA065	100K 1/10W	1	
	R3523	D0GB3R3JA065	3.3 1/10W	1	
	R3524	D0GB3R3JA065	3.3 1/10W	1	
	R3533	D0GB822JA065	8.2K 1/10W	1	
	R3534	D0GB223JA065	22K 1/10W	1	
	R3535	D0GB104JA065	100K 1/10W	1	
	R3536	D0GB104JA065	100K 1/10W	1	
	R3537	D0GB472JA065	4.7K 1/10W	1	
	R3538	D0GBR00J0004	0 1/10W	1	
	R3541	D0GB101JA065	100 1/10W	1	
	R3546	D0GD220JA052	22 1/8W	1	
	R3547	D0GD220JA052	22 1/8W	1	
	R3548	D0GD220JA052	22 1/8W	1	
	R3549	D0GD220JA052	22 1/8W	1	
	R3550	D0GD220JA052	22 1/8W	1	
	R3551	D0GD220JA052	22 1/8W	1	
	R3552	D0GD220JA052	22 1/8W	1	
	R3553	D0GD220JA052	22 1/8W	1	
	R3554	D0GD220JA052	22 1/8W	1	
	R3555	D0GD220JA052	22 1/8W	1	
	R3556	D0GD220JA052	22 1/8W	1	
	R3557	D0GD220JA052	22 1/8W	1	
	R3558	D0GB101JA065	100 1/10W	1	
	R3559	D0GBR00J0004	0 1/10W	1	
	R3562	D0GBR00J0004	0 1/10W	1	
	R3563	D0GFR00J0005	0 1/4W	1	PH, PR
	R3564	D0GFR00J0005	0 1/4W	1	PH, PR
	R3600	D0GBR00J0004	0 1/10W	1	E, PC
	R3601	D0GBR00J0004	0 1/10W	1	PH, PR
	R4001	D0GB152JA065	1.5K 1/10W	1	
	R4002	D0GB105JA065	1M 1/10W	1	
	R4004	D0GAR00J0005	0 1/16W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	R4005	D0GB103JA065	10K 1/10W	1	
	R4006	D0GAR00J0005	0 1/16W	1	
	R4007	D0GB101JA065	100 1/10W	1	
	R4008	D0GB101JA065	100 1/10W	1	
	R4009	D0GB101JA065	100 1/10W	1	
	R4010	D0GB101JA065	100 1/10W	1	
	R4011	D0GB101JA065	100 1/10W	1	
	R4012	D0GB101JA065	100 1/10W	1	
	R4013	D0GB101JA065	100 1/10W	1	
	R4014	D0GB101JA065	100 1/10W	1	
	R4015	D0GB221JA065	220 1/10W	1	
	R4016	D0GB221JA065	220 1/10W	1	
	R4017	D0GBR00J0004	0 1/10W	1	
	R4018	D0GB101JA065	100 1/10W	1	
	R4021	D0GB101JA065	100 1/10W	1	
	R4022	D0GB101JA065	100 1/10W	1	
	R4024	D0GA103JA023	10K 1/16W	1	
	R4026	D0GA101JA023	100 1/16W	1	
	R4027	D0GB101JA065	100 1/10W	1	
	R4028	D0GA101JA023	100 1/16W	1	
	R4029	D0GA101JA023	100 1/16W	1	
	R4105	D0GA101JA023	100 1/16W	1	
	R4200	D0GBR00J0004	0 1/10W	1	
	R4201	D0GB681JA065	680 1/10W	1	
	R4202	D0GB102JA065	1K 1/10W	1	
	R4203	D0GB103JA065	10K 1/10W	1	
	R4204	D0GB101JA065	100 1/10W	1	
	R4205	D0GB103JA065	10K 1/10W	1	
	R4206	D0GB103JA065	10K 1/10W	1	
	R4207	D0GB102JA065	1K 1/10W	1	
	R4208	D0GB101JA065	100 1/10W	1	
	R4209	D0GB101JA065	100 1/10W	1	
	R4210	D0GB101JA065	100 1/10W	1	
	R4211	D0GB103JA065	10K 1/10W	1	
	R4213	D0GB473JA065	47K 1/10W	1	
	R4214	D0GB272JA065	2.7K 1/10W	1	
	R4215	D0GB103JA065	10K 1/10W	1	
	R4216	D0GB103JA065	10K 1/10W	1	
	R4217	D0GB103JA065	10K 1/10W	1	
	R4218	D0GB103JA065	10K 1/10W	1	
	R4219	D0GB223JA065	22K 1/10W	1	
	R4220	D0GB472JA065	4.7K 1/10W	1	
	R4221	D0GB152JA065	1.5K 1/10W	1	
	R4222	D0GB101JA065	100 1/10W	1	
	R4223	D0GBR00J0004	0 1/10W	1	
	R4224	D0GBR00J0004	0 1/10W	1	
	R4225	D0GBR00J0004	0 1/10W	1	
	R4226	D0GB105JA065	1M 1/10W	1	
	R4581	D0GB221JA065	220 1/10W	1	
	R4588	D0GB101JA065	100 1/10W	1	
	R4589	D0GBR00J0004	0 1/10W	1	
	R4820	D0GBR00J0004	0 1/10W	1	
	R4821	D0GBR00J0004	0 1/10W	1	
	R4824	D0GB473JA065	47K 1/10W	1	
	R4830	D0GB473JA065	47K 1/10W	1	
	R4831	D0GB473JA065	47K 1/10W	1	
	R4832	D0GB221JA065	220 1/10W	1	
	R4833	D0GB221JA065	220 1/10W	1	
	R4836	D0GB102JA065	1K 1/10W	1	
	R4837	D0GB102JA065	1K 1/10W	1	
	R4838	D0GB473JA065	47K 1/10W	1	
	R4839	D0GB473JA065	47K 1/10W	1	
	R4840	D0GB752JA065	7.5K 1/10W	1	
	R4841	D0GB473JA065	47K 1/10W	1	
	R4843	D0GB752JA065	7.5K 1/10W	1	
	R4844	D0GB102JA065	1K 1/10W	1	
	R4845	D0GB102JA065	1K 1/10W	1	
	R5859	D0GD103JA052	10K 1/8W	1	
	R6100	D0GB103JA065	10K 1/10W	1	
	R6101	D0GB472JA065	4.7K 1/10W	1	
	R6104	D0GB103JA065	10K 1/10W	1	
	R6105	D0GB472JA065	4.7K 1/10W	1	
	R6106	D0GB472JA065	4.7K 1/10W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	R6107	D0GB472JA065	4.7K 1/10W	1	
	R6108	D0GB102JA065	1K 1/10W	1	
	R6109	D0GB102JA065	1K 1/10W	1	
	R6110	D0GB103JA065	10K 1/10W	1	
	R6111	D0GB103JA065	10K 1/10W	1	
	R6112	D0GB102JA065	1K 1/10W	1	
	R6113	D0GB102JA065	1K 1/10W	1	
	R6114	D0GBR00J0004	0 1/10W	1	
	R6115	D0GBR00J0004	0 1/10W	1	
	R6116	D0GBR00J0004	0 1/10W	1	
	R6117	D0GB103JA065	10K 1/10W	1	
	R6118	D0GB103JA065	10K 1/10W	1	
	R6147	D0GBR00J0004	0 1/10W	1	
	R6148	D0GB473JA065	47K 1/10W	1	
	R6149	D0GB473JA065	47K 1/10W	1	
	R6150	D0GB103JA065	10K 1/10W	1	
	R6151	D0GB103JA065	10K 1/10W	1	
	R6153	D0GB473JA065	47K 1/10W	1	
	R6154	D0GBR00J0004	0 1/10W	1	
	R6156	D0GB473JA065	47K 1/10W	1	
	R6163	D0GBR00J0004	0 1/10W	1	
	R6164	F1H1H104B047	0.1uF 50V	1	
	R6165	D0GBR00J0004	0 1/10W	1	
	R6166	D0GBR00J0004	0 1/10W	1	
	R6167	D0GBR00J0004	0 1/10W	1	
	R6169	F1H1H104B047	0.1uF 50V	1	
	R6401	D0GB474JA065	470K 1/10W	1	
	R6402	D0GB474JA065	470K 1/10W	1	
	R6802	D0GB223JA065	22K 1/10W	1	
	R6803	D0GB100JA065	10 1/10W	1	
	R6804	D0GB220JA065	22 1/10W	1	
	R6806	D0GD473JA052	47K 1/8W	1	
	R6810	D0GF390JA048	39 1/4W	1	
	R6811	D0GF390JA048	39 1/4W	1	
	R6812	D0GB101JA065	100 1/10W	1	
	R6813	D0GB101JA065	100 1/10W	1	
	R6814	D0GB101JA065	100 1/10W	1	
	R6815	D0GB272JA065	2.7K 1/10W	1	
	R6816	D0GB472JA065	4.7K 1/10W	1	
	R6817	D0GB223JA065	22K 1/10W	1	
	R6818	D0GB473JA065	47K 1/10W	1	
	R6820	D0GD104JA052	100K 1/8W	1	
	R6823	D0GBR00J0004	0 1/10W	1	
	R6828	D0GBR00J0004	0 1/10W	1	
	R6829	D0GBR00J0004	0 1/10W	1	
	R6830	D0GBR00J0004	0 1/10W	1	
	R6833	D0GBR00J0004	0 1/10W	1	
	R6834	D0GBR00J0004	0 1/10W	1	
	R6835	D0GBR00J0004	0 1/10W	1	
	R6836	D0GB102JA065	1K 1/10W	1	
	R6837	D0GB102JA065	1K 1/10W	1	
	R6839	D0GBR00J0004	0 1/10W	1	
	R6840	D0GB105JA065	1M 1/10W	1	
	R6841	D0GB222JA065	2.2K 1/10W	1	
	R6842	D0GB124JA065	120K 1/10W	1	
	R6846	D0GB332JA065	3.3K 1/10W	1	
	R9000	D0GB181JA065	180 1/10W	1	
	R9001	D0GB181JA065	180 1/10W	1	
	R9003	D0GB181JA065	180 1/10W	1	
	R9004	D0GB181JA065	180 1/10W	1	
	R9007	D0GB102JA065	1K 1/10W	1	
	R9008	D0GB102JA065	1K 1/10W	1	
	R9008	D0GBR00J0004	0 1/10W	1	
	R9009	D0GB181JA065	180 1/10W	1	
	R9009	D0GBR00J0004	0 1/10W	1	
	R9010	D0GB181JA065	180 1/10W	1	
	R9010	D0GBR00J0004	0 1/10W	1	
	R9011	D0GBR00J0004	0 1/10W	1	
			RESISTOR NET- WORKS		
	RX1001	J0JBD0000052	INDUCTOR	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	RX1002	J0JBD0000052	INDUCTOR	1	
	RX1003	J0JBD0000052	INDUCTOR	1	
	RX1005	J0JBD0000052	INDUCTOR	1	
	RX1006	J0JBD0000052	INDUCTOR	1	
	RX2002	D1H81014A042	RESISTOR NETWORK	1	
	RX2005	D1H81014A042	RESISTOR NETWORK	1	
	RX2007	D1H81014A042	RESISTOR NETWORK	1	
	RX2008	D1H81014A042	RESISTOR NETWORK	1	
	RX2009	D1H81014A042	RESISTOR NETWORK	1	
	RX2010	D1H81014A042	RESISTOR NETWORK	1	
	RX4803	D1H82214A042	RESISTOR NETWORK	1	
			CAPACITORS		
	C60	F1H1H102B047	1000pF 50V	1	
	C61	F1H1H104B047	0.1uF 50V	1	
	C62	F1H1H104B047	0.1uF 50V	1	
	C63	F1H1H6R0B050	6.0pF 50V	1	
	C66	F1H1H330B052	33pF 50V	1	
	C67	F1H1H3R0B050	3.0pF 50V	1	
⚠	C1001	F0CAF104A105	0.1uF	1	PH, PR
⚠	C1001	F0CAF474A105	0.47uF	1	E, PC
	C1001	F1H1C104A178	0.1uF 16V	1	
⚠	C1002	F0CAF474A105	0.47uF	1	E, PC
	C1002	F1H1C104A178	0.1uF 16V	1	
⚠	C1003	F1BAF471A215	470pF	1	E, PC
	C1003	F1G1C104A146	0.1uF 16V	1	
⚠	C1004	F1BAF471A215	470pF	1	E, PC
	C1004	F1H1C104A178	0.1uF 16V	1	
	C1005	F1H1C104A178	0.1uF 16V	1	
⚠	C1006	F0CAF224A105	0.22uF	1	PH, PR
	C1006	F1H1C104A178	0.1uF 16V	1	
⚠	C1007	F1BAF471A215	470pF	1	
	C1007	F1G1C104A146	0.1uF 16V	1	
⚠	C1008	F1BAF471A215	470pF	1	
	C1008	F1H1C104A178	0.1uF 16V	1	
	C1009	F1G1C104A146	0.1uF 16V	1	
	C1010	F1G1C104A146	0.1uF 16V	1	
	C1016	F1H1H681B052	680pF 50V	1	
	C1017	F2A0J331B035	330uF 6.3V	1	
	C1019	F1H1H104B047	0.1uF 50V	1	
	C1020	F1H0J1060006	10uF 6.3V	1	
	C1021	F1H0J1060006	10uF 6.3V	1	
	C1022	F1H0J1060006	10uF 6.3V	1	
	C1023	F1H0J1060006	10uF 6.3V	1	
	C1024	F1H0J1060006	10uF 6.3V	1	
	C1025	F1H0J1060006	10uF 6.3V	1	
	C1026	F1H1H120B052	12pF 50V	1	
	C1027	F1H1H120B052	12pF 50V	1	
	C1028	F1H1H220B052	22pF 50V	1	
	C1029	F1H1H270B052	27pF 50V	1	
	C1030	F1G1H101A834	100pF 50V	1	
	C1031	F1H1H102B052	1000pF 50V	1	
	C1032	F1H1H102B052	1000pF 50V	1	
	C1033	F1H1H102B052	1000pF 50V	1	
	C1034	F1H1H102B052	1000pF 50V	1	
	C1035	F1H1H102A831	1000pF 50V	1	
	C1036	F1H1H102A831	1000pF 50V	1	
	C1037	F1G1C104A146	0.1uF 16V	1	
	C1040	F1G1C104A146	0.1uF 16V	1	
	C1041	F1G1C104A146	0.1uF 16V	1	
	C1042	F1H1C224A178	0.22uF 16V	1	
	C1043	F1H1H223B047	0.022uF 50V	1	
	C1046	F1H1H102A831	1000pF 50V	1	
	C1047	F1H1H103B047	0.01uF 50V	1	
	C1048	F1H1A225A051	2.2uF 10V	1	
	C1049	F1H1C104A178	0.1uF 16V	1	
	C1050	F1H1C104A178	0.1uF 16V	1	
	C1201	F0CZZ225A172	2.2uF	1	
	C1201	F1G1H101A834	100pF 50V	1	
	C1202	F1G1H101A834	100pF 50V	1	
	C1203	F1G1H101A834	100pF 50V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	C1203	F1H1H472B047	4700pF 50V	1	
	C1204	F1H0J4750004	4.7uF 6.3V	1	
	C1205	F1H1C104A178	0.1uF 16V	1	
	C1206	F1H0J1060003	10uF 6.3V	1	
	C1206	F1H1H103A219	0.01uF 50V	1	
	C1207	F1K1H475A234	4.7uF 50V	1	
	C1208	F1H1H472B047	4700pF 50V	1	
	C1209	F1K1H105A251	1uF 50V	1	
	C1211	F1K2J471A014	470pF 630V	1	
	C1213	F1B3D221A132	220pF 2000V	1	
	C1214	F1H1H103B047	0.01uF 50V	1	
	C1215	F1B3D101A132	100pF 2000V	1	E, PC
	C1224	F2B2W2210030	220uF 450V	1	
	C1262	F1H1H104B047	0.1uF 50V	1	
	C1263	F1H0J1060006	10uF 6.3V	1	
	C1401	F2A1H1R0A213	1.0uF 50V	1	PC, PH, PR
	C1402	F1H1H470B052	47pF 50V	1	PC, PH, PR
	C1403	F2A1HR10A015	0.10uF 50V	1	PC, PH, PR
	C1403	F2A2W150A189	15uF 450V	1	
	C1404	F1H1H104B047	0.1uF 50V	1	
	C1405	F2A1H1R00004	1uF 50V	1	PC, PH, PR
	C1405	F1H1H102B047	1000pF 50V	1	
	C1406	F1K2J102A014	1000pF 630V	1	
	C1407	F1H1H102B047	1000pF 50V	1	PC, PH, PR
	C1407	F1K1H105A251	1uF 50V	1	
	C1408	F2A1H1R0A213	1.0uF 50V	1	PC, PH, PR
	C1408	F2A1H221B436	220uF 50V	1	
⚠	C1409	F1BAF471A215	470pF	1	
	C1411	F1H1H102B047	1000pF 50V	1	
	C1411	F2A1C100A207	10uF 16V	1	PC, PH, PR
	C1412	F2A1C1000096	10uF 16V	1	PC, PH, PR
	C1413	F2A1H1R0A213	1.0uF 50V	1	PC, PH, PR
	C1415	F2A1HR10A015	0.10uF 50V	1	PC, PH, PR
	C1416	F1H1H103B047	0.01uF 50V	1	E
	C1417	F1H1H102B047	1000pF 50V	1	PC, PH, PR
	C1418	F1H1H473B047	0.047uF 50V	1	E
	C1419	F1J1C106A224	10uF 16V	1	E
	C1420	F2A1HR10A015	0.10uF 50V	1	E
	C1439	F1H1H103B047	0.01uF 50V	1	
	C1443	F1H1H104B047	0.1uF 50V	1	
	C1447	F1H1H103A219	0.01uF 50V	1	E
	C1448	F2A1C330B453	33uF 16V	1	E
	C1449	F1H1H103A219	0.01uF 50V	1	E
	C1450	F1H1H104B047	0.1uF 50V	1	E
	C1451	F1H1H104B047	0.1uF 50V	1	E
	C1452	F1H1H122B047	1200pF 50V	1	E
	C1453	F1H1H122B047	1200pF 50V	1	E
	C1455	F2A1A4710079	470uF 10V	1	E
	C1456	F2A1H1R0A013	1.0uF 50V	1	E
	C1457	F2A1C470B454	47uF 16V	1	E
	C1458	F1J1C106A224	10uF 16V	1	E
	C1459	F1H1C563A178	0.056uF 16V	1	E
	C1460	F2A1HR10A015	0.10uF 50V	1	E
	C1461	F1H1C563A178	0.056uF 16V	1	E
	C1462	F1H1H473B047	0.047uF 50V	1	E
	C1463	F1H1H104B047	0.1uF 50V	1	E
	C1464	F2A1C101B455	100uF 16V	1	E
	C1465	F1H1H103B047	0.01uF 50V	1	E
	C1466	F1H1H103B047	0.01uF 50V	1	E
	C1467	F1H1H103B047	0.01uF 50V	1	E
	C1468	F1H1H103B047	0.01uF 50V	1	E
	C1469	F1H1H104B047	0.1uF 50V	1	E
	C1470	F2A1C4710126	470uF 16V	1	E
	C1471	F1H1H223B047	0.022uF 50V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	C1472	F1H1H223B047	0.022uF 50V	1	
	C1473	F1H1H102A219	1000pF 50V	1	
	C1474	F1H1H102A219	1000pF 50V	1	
	C1502	F2A1H101A147	100uF 50V	1	
	C1503	F1K1H475A234	4.7uF 50V	1	
	C1504	F1H1H103B047	0.01uF 50V	1	
	C1505	F1H1H104B047	0.1uF 50V	1	
	C1506	F1K1C4750023	4.7uF 16V	1	
	C1507	F1H1H104B047	0.1uF 50V	1	
	C1508	F1J1H152A623	1500pF 50V	1	
	C1509	F1H1H104B047	0.1uF 50V	1	
	C1510	F1K1C1060001	10uF 16V	1	
	C1511	F1J1H103A702	0.01uF 50V	1	
	C1512	F1H1H333B047	0.033uF 50V	1	
	C1513	F1B3D102A132	1000pF 2000V	1	E, PC
	C1513	F1B3D221A132	220pF 2000V	1	PH, PR
	C1514	F1B3D102A132	1000pF 2000V	1	E, PC
	C1514	F1B3D221A132	220pF 2000V	1	PH, PR
	C1516	F0C2K683A053	0.068uF 800V	1	
⚠	C1518	F1BAF471A215	470pF	1	
	C1601	F2A1E221B422	220uF 25V	1	
	C1602	F1H1E224A068	0.22uF 25V	1	
	C1604	F1K2J471A014	470pF 630V	1	
	C1701	F1H1H103B047	0.01uF 50V	1	
	C1704	F1H1H104A913	0.1uF 50V	1	
	C1706	F2A1H1020067	1000uF 50V	1	
	C1708	F1H1H223B047	0.022uF 50V	1	
	C1710	F1J2E1030004	0.01uF 250V	1	
	C1712	F1J2E1030004	0.01uF 250V	1	
	C1721	F1H1H103B047	0.01uF 50V	1	
	C1762	F1H1H104B047	0.1uF 50V	1	
	C1763	F1H0J1060006	10uF 6.3V	1	
	C1800	D0GDR00J0004	0 1/8W	1	PH, PR
	C1800	J0JBC0000010	INDUCTOR	1	E, PC
	C2001	F1G1C104A146	0.1uF 16V	1	
	C2002	F1G1C104A146	0.1uF 16V	1	
	C2003	F1G1C104A146	0.1uF 16V	1	
	C2004	F1H0J4750004	4.7uF 6.3V	1	
	C2005	F1G1C104A146	0.1uF 16V	1	
	C2006	F1G1C104A146	0.1uF 16V	1	
	C2007	F1G1C104A146	0.1uF 16V	1	
	C2008	F1G1C104A146	0.1uF 16V	1	
	C2009	F1H0J1060006	10uF 6.3V	1	
	C2010	F1H1H105B027	1uF 50V	1	
	C2011	F1H1H105B027	1uF 50V	1	
	C2012	F1G1C104A146	0.1uF 16V	1	
	C2013	F1G1C104A146	0.1uF 16V	1	
	C2101	F1J1A106A043	10uF 10V	1	
	C2102	F1H1H104B047	0.1uF 50V	1	
	C2105	F1H1C104A178	0.1uF 16V	1	
	C2107	F1H1H104B047	0.1uF 50V	1	
	C2108	F1H1H104B047	0.1uF 50V	1	
	C2108	F1J1A106A043	10uF 10V	1	
	C2112	F1H1H104B047	0.1uF 50V	1	
	C2113	F1H1H104B047	0.1uF 50V	1	
	C2113	F2A0J101B034	100uF 6.3V	1	
	C2115	F2A1E330B389	33uF 25V	1	
	C2116	F1H1H104B047	0.1uF 50V	1	
	C2117	F1H1H104B047	0.1uF 50V	1	
	C2118	F1H1E105A153	1uF 25V	1	
	C2119	F1H1H104B047	0.1uF 50V	1	
	C2121	F1J1A106A043	10uF 10V	1	
	C2122	F1H1H104B047	0.1uF 50V	1	
	C2123	F1H1H104B047	0.1uF 50V	1	
	C2124	F1H1H104B047	0.1uF 50V	1	
	C2124	F2A0J220A210	22uF 6.3V	1	
	C2125	F1H1H104B047	0.1uF 50V	1	
	C2126	F1H1H104B047	0.1uF 50V	1	
	C2127	F1H1H104B047	0.1uF 50V	1	
	C2128	F1H1H104B047	0.1uF 50V	1	
	C2129	F1H1E105A153	1uF 25V	1	
	C2129	F1H1H104B047	0.1uF 50V	1	
	C2130	F1H1H104B047	0.1uF 50V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	C2130	F2A0J101B034	100uF 6.3V	1	
	C2131	F1H1E105A153	1uF 25V	1	
	C2131	F1H1H104B047	0.1uF 50V	1	
	C2132	F2A0J220A210	22uF 6.3V	1	
	C2133	F1H1H103B047	0.01uF 50V	1	
	C2133	F1H1H104B047	0.1uF 50V	1	
	C2134	F1H1H103B047	0.01uF 50V	1	
	C2134	F1H1H104B047	0.1uF 50V	1	
	C2135	F1H1H104B047	0.1uF 50V	1	
	C2135	F2A1E221B422	220uF 25V	1	
	C2136	F1H1H103B047	0.01uF 50V	1	
	C2136	F1H1H104B047	0.1uF 50V	1	
	C2137	F1H1H104B047	0.1uF 50V	1	
	C2138	F1H1H104B047	0.1uF 50V	1	
	C2139	F1H1H103B047	0.01uF 50V	1	
	C2139	F1H1H104B047	0.1uF 50V	1	
	C2140	F1H1H561B052	560pF 50V	1	
	C2141	F1H1H104B047	0.1uF 50V	1	
	C2142	F1J1E106A253	10uF 25V	1	
	C2144	F1H1H104B047	0.1uF 50V	1	
	C2144	F1H1H391A219	390pF 50V	1	
	C2145	F1H1H104B047	0.1uF 50V	1	
	C2146	F1H1H104B047	0.1uF 50V	1	
	C2146	F1J1E106A253	10uF 25V	1	
	C2147	F1H1H104B047	0.1uF 50V	1	
	C2147	F2A1H3320022	3300uF 50V	1	
	C2148	F2A1H3320022	3300uF 50V	1	
	C2150	F1H1H103B047	0.01uF 50V	1	
	C2150	F1H1H104B047	0.1uF 50V	1	
	C2151	F1G1H103A835	0.01uF 50V	1	
	C2151	F1H1H105B027	1uF 50V	1	
	C2152	F1H1H104B047	0.1uF 50V	1	
	C2153	F1G1H561A541	560pF 50V	1	
	C2155	F2A1A1010024	100uF 10V	1	
	C2156	F1H1H104B047	0.1uF 50V	1	
	C2171	F2A1H4710072	470uF 50V	1	
	C2174	F1H1H104B047	0.1uF 50V	1	
	C2179	F1H1H104B047	0.1uF 50V	1	
	C2180	F1H1H104B047	0.1uF 50V	1	
	C2181	F1H1H104B047	0.1uF 50V	1	
	C2182	F1H1H104B047	0.1uF 50V	1	
	C2183	F1H1H104B047	0.1uF 50V	1	
	C2187	F1H1H681B052	680pF 50V	1	
	C2188	F2A1H220B411	22uF 50V	1	
	C2189	F2A1H220B411	22uF 50V	1	
	C2191	F1H1H103B047	0.01uF 50V	1	
	C2300	F1J1A106A024	10uF 10V	1	
	C2301	F1J1A106A024	10uF 10V	1	
	C2302	F2A0J471A247	470uF 6.3V	1	
	C2304	F1H1A105A113	1uF 10V	1	
	C2305	F1H1A105A113	1uF 10V	1	
	C2307	F1J1A106A024	10uF 10V	1	
	C2308	F1J1A106A024	10uF 10V	1	
	C2309	F2A0J471A247	470uF 6.3V	1	
	C2310	F1H1H104B047	0.1uF 50V	1	
	C2311	F1H1H104B047	0.1uF 50V	1	
	C2312	F1H1H104B047	0.1uF 50V	1	
	C2313	F1H1H104B047	0.1uF 50V	1	
	C2314	F1H1H104B047	0.1uF 50V	1	
	C2316	F1H1H104B047	0.1uF 50V	1	
	C2317	F1H1H104B047	0.1uF 50V	1	
	C2508	F1H1H104B047	0.1uF 50V	1	
	C2509	F1H1H102A219	1000pF 50V	1	
	C2510	F1H1H102A219	1000pF 50V	1	
	C2511	F1H1H102A219	1000pF 50V	1	
	C2512	F1H1H104B047	0.1uF 50V	1	
	C2513	F1H1H104B047	0.1uF 50V	1	
	C2514	F1H1H104B047	0.1uF 50V	1	
	C2515	F1H1H102A831	1000pF 50V	1	
	C2516	F1H1H102A831	1000pF 50V	1	
	C2517	F1H1A105A113	1uF 10V	1	
	C2518	F1H1H221B047	220pF 50V	1	
	C2519	F1H1H221B047	220pF 50V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	C2520	F1H1A105A113	1uF 10V	1	
	C2525	F1H1H102A219	1000pF 50V	1	
	C2529	F1H1H102A219	1000pF 50V	1	
	C2530	F1H1H102A219	1000pF 50V	1	
	C2531	F1H1H102A219	1000pF 50V	1	
	C2532	F1H1H102A219	1000pF 50V	1	
	C2543	F1H1H102A219	1000pF 50V	1	
	C2544	F1H1H102A219	1000pF 50V	1	
	C2545	F1H1H102A219	1000pF 50V	1	
	C2556	F1H1H103B047	0.01uF 50V	1	
	C2557	F1H1H103B047	0.01uF 50V	1	
	C2558	F1H1H103B047	0.01uF 50V	1	
	C2559	F1H1H103B047	0.01uF 50V	1	
	C2560	F1H1H104B047	0.1uF 50V	1	
	C2562	F1H1H104B047	0.1uF 50V	1	
	C2564	F1H1H104B047	0.1uF 50V	1	
	C2566	F1H1H104B047	0.1uF 50V	1	
	C2567	F1H1H104B047	0.1uF 50V	1	
	C2568	F1H1H104B047	0.1uF 50V	1	
	C2569	F1H1H104B047	0.1uF 50V	1	
	C2570	F1H1H104B047	0.1uF 50V	1	
	C2575	F1H1H104B047	0.1uF 50V	1	
	C2576	F1H1H104B047	0.1uF 50V	1	
	C2577	F1H1H104B047	0.1uF 50V	1	
	C2578	F1H1H104B047	0.1uF 50V	1	
	C2580	F1H1H104B047	0.1uF 50V	1	
	C3000	F2A1C330B453	33uF 16V	1	
	C3001	F1J1C106A224	10uF 16V	1	
	C3002	F1H1H104B047	0.1uF 50V	1	
	C3003	F1H1H104B047	0.1uF 50V	1	
	C3004	F1H1H104B047	0.1uF 50V	1	
	C3005	F1H1H104B047	0.1uF 50V	1	
	C3006	F1H1H104B047	0.1uF 50V	1	
	C3007	F1H1H104B047	0.1uF 50V	1	
	C3008	F1H1H333A954	0.033uF 50V	1	
	C3009	F1H1H333A954	0.033uF 50V	1	
	C3010	F1H1H104A903	0.1uF 50V	1	
	C3011	F1K1H105A138	1uF 50V	1	
	C3012	F1K1H105A138	1uF 50V	1	
	C3013	F1H1H102B047	1000pF 50V	1	
	C3014	F1H1H102B047	1000pF 50V	1	
	C3018	F1H1H104A903	0.1uF 50V	1	
	C3019	F1K1H105A138	1uF 50V	1	
	C3020	F1K1H105A138	1uF 50V	1	
	C3021	F1H1H102B047	1000pF 50V	1	
	C3022	F1H1H102B047	1000pF 50V	1	
	C3026	F1H1H333A954	0.033uF 50V	1	
	C3027	F1H1H333A954	0.033uF 50V	1	
	C3100	F1J1C1060006	10uF 16V	1	
	C3101	F1H1H104B047	0.1uF 50V	1	
	C3102	F1H1H104B047	0.1uF 50V	1	
	C3103	F1H1H105B027	1uF 50V	1	
	C3104	F1H1H104B047	0.1uF 50V	1	
	C3105	F1H1H104B047	0.1uF 50V	1	
	C3106	F1H1H104B047	0.1uF 50V	1	
	C3107	F1H1H333A954	0.033uF 50V	1	
	C3108	F1H1H333A954	0.033uF 50V	1	
	C3109	F1H1H102B047	1000pF 50V	1	
	C3110	F1H1H102B047	1000pF 50V	1	
	C3111	F1H1H104A903	0.1uF 50V	1	
	C3112	F1K1H105A138	1uF 50V	1	
	C3113	F1K1H105A138	1uF 50V	1	
	C3117	F1H1H104A903	0.1uF 50V	1	
	C3118	F1K1H105A138	1uF 50V	1	
	C3119	F1K1H105A138	1uF 50V	1	
	C3120	F1H1H102B047	1000pF 50V	1	
	C3121	F1H1H102B047	1000pF 50V	1	
	C3122	F1H1H333A954	0.033uF 50V	1	
	C3123	F1H1H333A954	0.033uF 50V	1	
	C3200	F1J1C1060006	10uF 16V	1	
	C3201	F1H1H104B047	0.1uF 50V	1	
	C3202	F1H1H104B047	0.1uF 50V	1	
	C3203	F1H1H105B027	1uF 50V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	C3204	F1H1H104B047	0.1uF 50V	1	
	C3205	F1H1H104B047	0.1uF 50V	1	
	C3206	F1H1H104B047	0.1uF 50V	1	
	C3207	F1H1H333A954	0.033uF 50V	1	
	C3208	F1H1H333A954	0.033uF 50V	1	
	C3209	F1H1H102B047	1000pF 50V	1	
	C3210	F1H1H102B047	1000pF 50V	1	
	C3211	F1H1H104A903	0.1uF 50V	1	
	C3212	F1K1H105A138	1uF 50V	1	
	C3213	F1K1H105A138	1uF 50V	1	
	C3219	F1K1H105A138	1uF 50V	1	
	C3220	F1H1H102B047	1000pF 50V	1	
	C3221	F1H1H102B047	1000pF 50V	1	
	C3222	F1H1H333A954	0.033uF 50V	1	
	C3223	F1H1H333A954	0.033uF 50V	1	
	C3224	F1H1H104A903	0.1uF 50V	1	
	C3225	F1K1H105A138	1uF 50V	1	
	C3502	F1H1H104B047	0.1uF 50V	1	
	C3503	F1H1H104B047	0.1uF 50V	1	
	C3504	F1H1H104B047	0.1uF 50V	1	
	C3506	F1H1H104B047	0.1uF 50V	1	
	C3508	F1H1H104B047	0.1uF 50V	1	
	C3509	F1H1H104B047	0.1uF 50V	1	
	C3510	F1H1H104B047	0.1uF 50V	1	
	C3511	F1H1H104B047	0.1uF 50V	1	
	C3514	F1K2A105A012	1uF 100V	1	
	C3515	F1K2A105A012	1uF 100V	1	
	C3516	F1K2A105A012	1uF 100V	1	
	C3517	F1K2A105A012	1uF 100V	1	
	C3522	F1H1H103B047	0.01uF 50V	1	
	C3523	F1H1H103B047	0.01uF 50V	1	
	C3526	F1H1H103B047	0.01uF 50V	1	
	C3527	F1H1H103B047	0.01uF 50V	1	
	C3534	F1H1H103B047	0.01uF 50V	1	
	C3535	F1H1H103B047	0.01uF 50V	1	
	C3538	F1H1H103B047	0.01uF 50V	1	
	C3539	F1H1H103B047	0.01uF 50V	1	
	C3548	DOGBR00J0004	0 1/10W	1	
	C3549	F1J1A106A043	10uF 10V	1	
	C3550	F1J1A106A043	10uF 10V	1	
	C3551	F1H1E105A153	1uF 25V	1	
	C3553	F0A1H105A095	1uF 50V	1	E, PC
	C3553	F0A1H474A095	0.47uF 50V	1	PH, PR
	C3554	F0A1H105A095	1uF 50V	1	E, PC
	C3554	F0A1H474A095	0.47uF 50V	1	PH, PR
	C3557	F0A1H105A095	1uF 50V	1	E, PC
	C3557	F0A1H474A095	0.47uF 50V	1	PH, PR
	C3558	F0A1H105A095	1uF 50V	1	E, PC
	C3558	F0A1H474A095	0.47uF 50V	1	PH, PR
	C3560	F0A1H105A095	1uF 50V	1	E, PC
	C3560	F0A1H474A095	0.47uF 50V	1	PH, PR
	C3561	F0A1H105A095	1uF 50V	1	E, PC
	C3561	F0A1H474A095	0.47uF 50V	1	PH, PR
	C3562	F0A1H105A095	1uF 50V	1	E, PC
	C3562	F0A1H474A095	0.47uF 50V	1	PH, PR
	C3563	F0A1H105A095	1uF 50V	1	E, PC
	C3563	F0A1H474A095	0.47uF 50V	1	PH, PR
	C3571	F1H1H103B047	0.01uF 50V	1	
	C3572	F1H1H103B047	0.01uF 50V	1	
	C4002	F1H0J105A051	1uF 6.3V	1	
	C4003	F1H0J105A051	1uF 6.3V	1	
	C4004	F1H1C474A178	0.47uF 16V	1	
	C4005	F1H1H120B052	12pF 50V	1	
	C4006	F1H1H120B052	12pF 50V	1	
	C4007	F1H0J105A051	1uF 6.3V	1	
	C4008	F1H0J105A051	1uF 6.3V	1	
	C4009	F1H0J105A051	1uF 6.3V	1	
	C4010	F1H1H102B047	1000pF 50V	1	
	C4011	F1H1H102B047	1000pF 50V	1	
	C4014	F1H0J1060012	10uF 6.3V	1	
	C4015	F1H0J1060012	10uF 6.3V	1	
	C4016	F1H0J1060012	10uF 6.3V	1	
	C4017	F1H0J1060012	10uF 6.3V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	C4018	F2A1C470B454	47uF 16V	1	
	C4019	F2A1C220A243	22uF 16V	1	
	C4020	F2A1C220A243	22uF 16V	1	
	C4021	F2A1E221B422	220uF 25V	1	
	C4047	F1H1H101B052	100pF 50V	1	
	C4048	F1H1H101B052	100pF 50V	1	
	C4049	F1H1H101B052	100pF 50V	1	
	C4050	F1H1H104B047	0.1uF 50V	1	
	C4051	F1H1H104B047	0.1uF 50V	1	
	C4052	F1H1H104B047	0.1uF 50V	1	
	C4053	F1H1H104B047	0.1uF 50V	1	
	C4054	F1H1H104B047	0.1uF 50V	1	
	C4055	F1H1H104B047	0.1uF 50V	1	
	C4056	F1H1H104B047	0.1uF 50V	1	
	C4057	F1H1H104B047	0.1uF 50V	1	
	C4058	F1H1H104B047	0.1uF 50V	1	
	C4200	F1H1H104B047	0.1uF 50V	1	
	C4201	F2A1C2200068	22uF 16V	1	
	C4202	F2A1C2200068	22uF 16V	1	
	C4203	F1H1H472A219	4700pF 50V	1	
	C4205	F1H1H683A783	0.068uF 50V	1	
	C4206	F1H1H104B047	0.1uF 50V	1	
	C4207	F1H1H104B047	0.1uF 50V	1	
	C4209	F1H1H103B047	0.01uF 50V	1	
	C4301	F1J1A106A043	10uF 10V	1	
	C4302	F1H1H120B052	12pF 50V	1	
	C4303	F1H1H120B052	12pF 50V	1	
	C4304	F1H1H104B047	0.1uF 50V	1	
	C4306	F1H1H104B047	0.1uF 50V	1	
	C4307	F1H1H104B047	0.1uF 50V	1	
	C4308	F1H1H104B047	0.1uF 50V	1	
	C4309	F1H1H104B047	0.1uF 50V	1	
	C4454	F1H1H104B047	0.1uF 50V	1	
	C4455	F1H1H104B047	0.1uF 50V	1	
	C4456	F1H1H104B047	0.1uF 50V	1	
	C4458	F1H1H104B047	0.1uF 50V	1	
	C4459	F1H1A105A113	1uF 10V	1	
	C4460	F1H1A105A113	1uF 10V	1	
	C4828	F1H1A105A113	1uF 10V	1	
	C4829	F1H1E105A153	1uF 25V	1	
	C4830	F1H1A4750001	4.7uF 10V	1	
	C4831	F1H1A4750001	4.7uF 10V	1	
	C4832	F1H1H470B052	47pF 50V	1	
	C4833	F1H1H470B052	47pF 50V	1	
	C4834	F1H1H470B052	47pF 50V	1	
	C4835	F1H1H470B052	47pF 50V	1	
	C4836	F1H1A4750001	4.7uF 10V	1	
	C4837	F1H1A4750001	4.7uF 10V	1	
	C4840	F1H1A105A113	1uF 10V	1	
	C4841	F1H1A105A113	1uF 10V	1	
	C4857	F1K1E1060001	10uF 25V	1	
	C4862	F1H1H101B052	100pF 50V	1	
	C4863	F1H1H101B052	100pF 50V	1	
	C4864	F1H1H101B052	100pF 50V	1	
	C6101	F1H1C104A178	0.1uF 16V	1	
	C6102	F1H1H561B052	560pF 50V	1	
	C6103	F1H1H561B052	560pF 50V	1	
	C6106	F1H1A105A113	1uF 10V	1	
	C6107	F1H1A105A113	1uF 10V	1	
	C6108	F1H1A105A113	1uF 10V	1	
	C6109	F1H1A105A113	1uF 10V	1	
	C6110	F1J1C1060006	10uF 16V	1	
	C6120	F1H1H221B047	220pF 50V	1	
	C6121	F1H1H221B047	220pF 50V	1	
	C6122	F1H1A105A113	1uF 10V	1	
	C6123	F1H1A105A113	1uF 10V	1	
	C6217	F1H1A105A113	1uF 10V	1	
	C6318	F1H1H331B052	330pF 50V	1	
	C6319	F1H1H331B052	330pF 50V	1	
	C6322	F1H1H103B047	0.01uF 50V	1	
	C6400	F1H1H104B047	0.1uF 50V	1	
	C6401	F1H1H104B047	0.1uF 50V	1	
	C6407	F1H1A105A113	1uF 10V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	C6408	F1H1A105A113	1uF 10V	1	
	C6412	F1H1H104B047	0.1uF 50V	1	
	C6413	F1H1H104B047	0.1uF 50V	1	
	C6414	F1H1H104B047	0.1uF 50V	1	
	C6415	F1H1H104B047	0.1uF 50V	1	
	C6416	F1H1H104B047	0.1uF 50V	1	
	C6417	F1H1H104B047	0.1uF 50V	1	
	C6418	F1H1H104B047	0.1uF 50V	1	
	C6419	F1H1H104B047	0.1uF 50V	1	
	C6420	F1H1H104B047	0.1uF 50V	1	
	C6421	F1H1H104B047	0.1uF 50V	1	
	C6801	F1H1A105A113	1uF 10V	1	
	C6802	F1J1H105A918	1uF 50V	1	
	C6803	F1H1E105A153	1uF 25V	1	
	C6804	F1H1E105A153	1uF 25V	1	
	C6805	F1J1E105A287	1uF 25V	1	
	C6806	F2A1H470B412	47uF 50V	1	
	C6807	F1H1E105A153	1uF 25V	1	
	C6808	F1H1E105A153	1uF 25V	1	
	C6814	F1H1H104B047	0.1uF 50V	1	
	C6815	F2A0J101A208	100uF 6.3V	1	
	C6816	F1H1A105A113	1uF 10V	1	
	C6817	F2A0J101A208	100uF 6.3V	1	
	C6818	F1H1H101B052	100pF 50V	1	
	C6819	F1H1H102B047	1000pF 50V	1	
	C6820	F1J1A106A043	10uF 10V	1	
	C6826	F1H1H102A219	1000pF 50V	1	
	C6827	F1H1H102A219	1000pF 50V	1	
	C6828	F1H1H102A219	1000pF 50V	1	
	C6829	F1J1C106A059	10uF 16V	1	
	C6833	F1H1H102A219	1000pF 50V	1	
	C6837	F1H1H102B047	1000pF 50V	1	
	C6838	F1H1H102B047	1000pF 50V	1	
	C6839	F1H1H102A219	1000pF 50V	1	
	C9006	F1H1C104A178	0.1uF 16V	1	
	C9008	F1H1C104A178	0.1uF 16V	1	
	C9009	F1H1C104A178	0.1uF 16V	1	
	C9010	F1H1C104A178	0.1uF 16V	1	
	C9011	F1H1H104B047	0.1uF 50V	1	

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