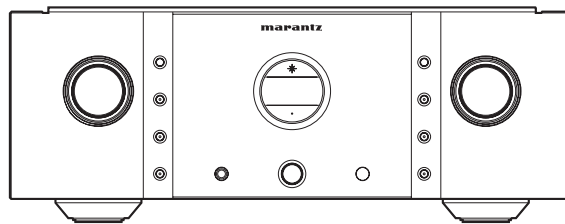


# Service Manual

PM-11S3 /K1G/N1G  
U1B/N1B

Integrated Amplifier

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• For purposes of improvement, specifications and design are subject to change without notice.

• Please use this service manual with referring to the operating instructions without fail.

• Some illustrations using in this service manual are slightly different from the actual set.

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# marantz®

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## PM-11S3

Ver. 1

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## MARANTZ DESIGN AND SERVICE

Using superior design and selected high grade components, **marantz** company has created the ultimate in stereo sound. Only original **marantz** parts can insure that your **marantz** product will continue to perform to the specifications for which it is famous.

Parts for your **marantz** equipment are generally available to our National **Marantz** Subsidiary or Agent.

### ORDERING PARTS :

Parts can be ordered either by mail or by Fax.. In both cases, the correct part number has to be specified.

The following information must be supplied to eliminate delays in processing your order :

1. Complete address
2. Complete part numbers and quantities required
3. Description of parts
4. Model number for which part is required
5. Way of shipment
6. Signature : any order form or Fax. must be signed, otherwise such part order will be considered as null and void.

#### USA

**MARANTZ AMERICA, INC**  
100 CORPORATE DRIVE  
MAHWAH, NEW JERSEY 07430  
USA

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MARKHAM, ONTARIO L3R 5B1  
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NO.1600 NANJING (WEST) ROAD, SHANGHAI,  
CHINA. 200040  
TEL : 021 - 6248 - 5151  
FAX : 021 - 6248 - 4434

### NOTE ON SAFETY :

Symbol  Fire or electrical shock hazard. Only original parts should be used to replaced any part marked with symbol  . Any other component substitution (other than original type), may increase risk of fire or electrical shock hazard.

### 安全上の注意 :

 がついている部品は、安全上重要な部品です。必ず指定されている部品番号のものを使用してください。

### SHOCK, FIRE HAZARD SERVICE TEST :

**CAUTION :** After servicing this appliance and prior to returning to customer, measure the resistance between either primary AC cord connector pins (with unit NOT connected to AC mains and its Power switch ON), and the face or Front Panel of product and controls and chassis bottom.

Any resistance measurement less than 1 Megohms should cause unit to be repaired or corrected before AC power is applied, and verified before it is return to the user/customer.

Ref. UL Standard No. 60065.

In case of difficulties, do not hesitate to contact the Technical  
Department at above mentioned address.

# ABOUT THIS MANUAL

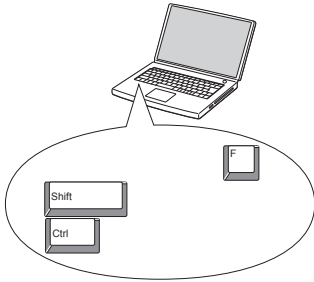
Read the following information before using the service manual.

## What you can do with this manual

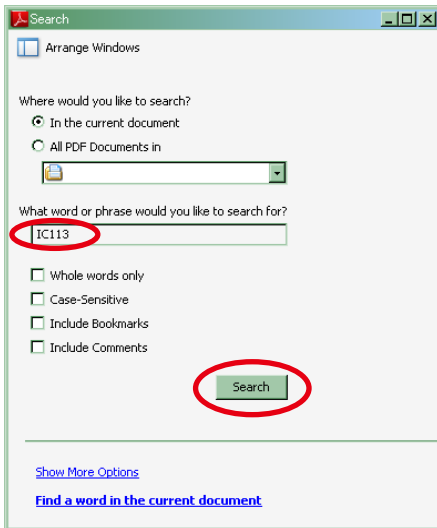
### Search for a Ref. No. (phrase) (Ctrl+Shift+F)

You can use the search function in Acrobat Reader to search for a Ref. No. in schematic diagrams, printed wiring board diagrams, block diagrams, and parts lists.

1. Press **Ctrl+Shift+F** on the keyboard.
  - The Search window appears.



2. Enter the Ref. No. you want to search for in the Search window, and then click the **Search** button.
  - A list of search results appears.

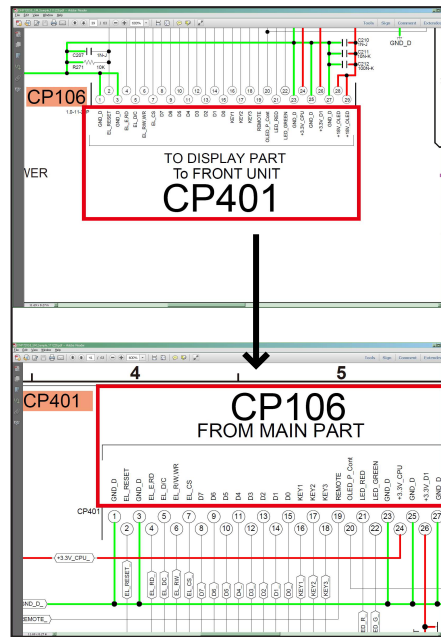


3. Click an item on the list.
  - The screen jumps to the page for that item, and the search phrase is displayed.

### Jump to the target of a schematic diagram connector

Click the Ref. No. of the target connector in the red box around a schematic diagram connector.

- The screen jumps to the target connector.



- Page magnification stays the same as before the jump.

## Using Adobe Reader (Windows version)

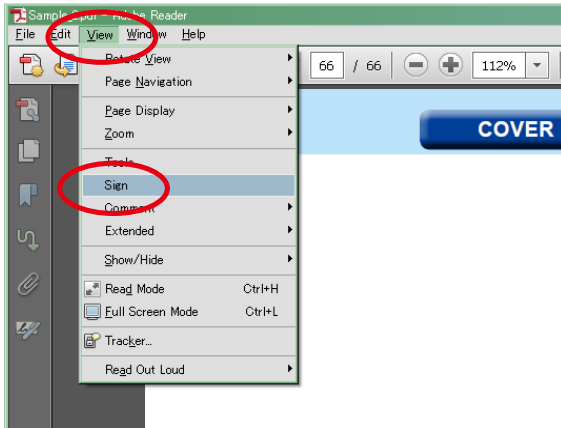
### Add notes to this data (Sign)

The Sign function lets you add notes to the data in this manual.  
Save the file once you have finished adding notes.

### [Example using Adobe Reader X]

On the "View" menu, click "Sign".

- The Sign pane appears.



### [Example using Adobe Reader 9]

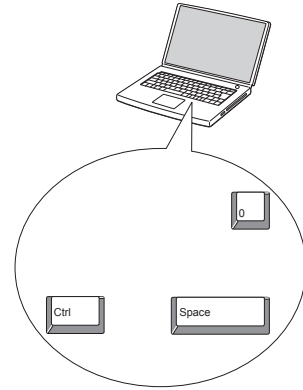
On the "Document" menu, click "Sign".

### Magnify schematic / printed wiring board diagrams - 1

(Ctrl+Space, mouse operation)

Press **Ctrl+Space** on the keyboard and drag the mouse to select the area you want to view.

- The selected area is magnified.



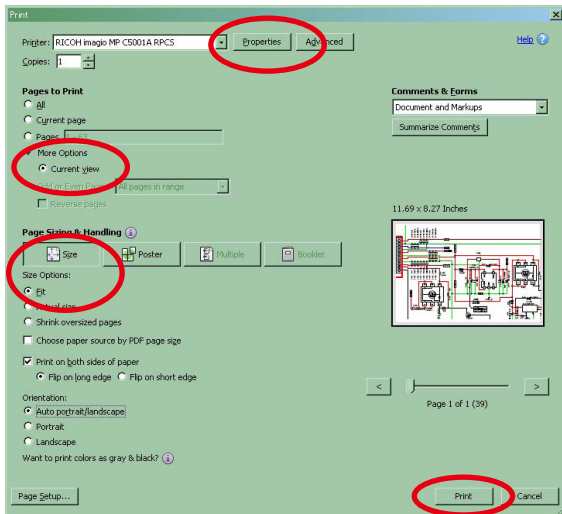
- When you want to move the area shown, hold down **Space** and drag the mouse.

- When you want to show a full page view, press **Ctrl+0** on the keyboard.

### Print a magnified part of the manual

The Properties dialog box and functions will vary depending on your printer.

1. Drag the mouse to magnify the part you want to print.
2. On the "File" menu, click "Print".
3. Configure the following settings in the Print dialog box.



4. Click the **Print** button to start printing.

#### • Properties

Click this button and check that the printer is set to a suitable paper size.

#### • Page to print

Select the following checkbox.

**"More Options" : "Current View"**

#### • Page Sizing & Handling

Select the following checkbox.

**"Size" / "Size Options" : "Fit"**

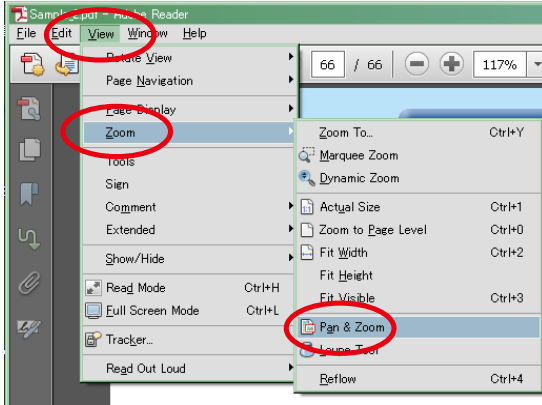
## Magnify schematic / printed wiring board diagrams - 2

### (Pan & Zoom function)

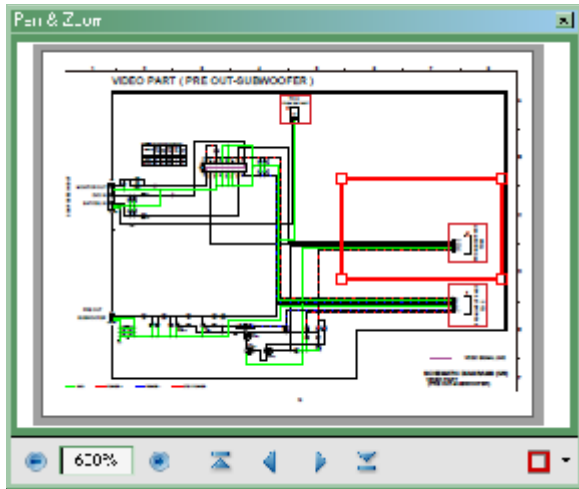
The Pan & Zoom function lets you see which part of a magnified diagram is being shown in a separate window.

#### [Example using Adobe Reader X]

On the "View" menu, point to "Zoom", and then click "Pan & Zoom".



- The Pan & Zoom window appears on the screen.



#### [Example using Adobe Reader 9]

On the "Tools" menu, point to "Select & Zoom", and then click "Pan & Zoom Window".

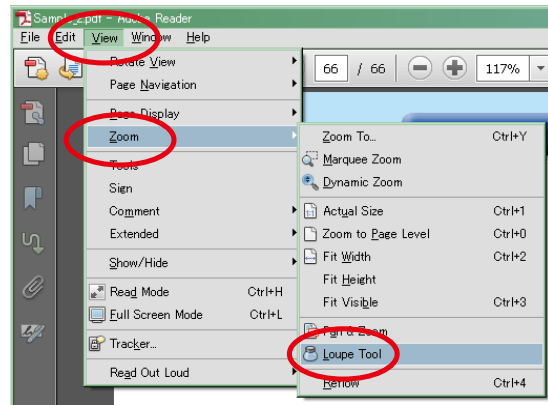
## Magnify schematic / printed wiring board diagrams - 3

### (Loupe Tool function)

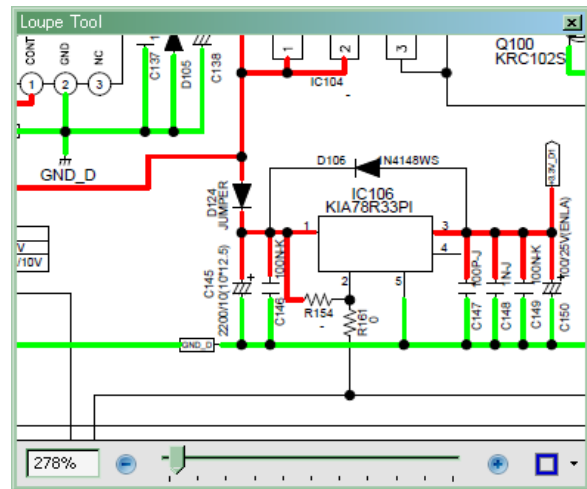
The Loupe Tool function lets you magnify a specific part of a diagram in a separate window.

#### [Example using Adobe Reader X]

On the "View" menu, point to "Zoom", and then click "Loupe Tool".



- The Loupe Tool window appears on the screen.



#### [Example using Adobe Reader 9]

On the "Tools" menu, point to "Select & Zoom", and then click "Loupe Tool Window".

## SAFETY PRECAUTIONS

The following items should be checked for continued protection of the customer and the service technician.

### LEAKAGE CURRENT CHECK

Before returning the set to the customer, be sure to carry out either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the set is defective.

Be sure to test for leakage current with the AC plug in both polarities, in addition, when the set's power is in each state (on, off and standby mode), if applicable.

### **CAUTION** Please heed the following cautions and instructions during servicing and inspection.

#### ⊙ Heed the cautions!

Cautions which are delicate in particular for servicing are labeled on the cabinets, the parts and the chassis, etc. Be sure to heed these cautions and the cautions described in the handling instructions.

#### ⊙ Cautions concerning electric shock!

- (1) An AC voltage is impressed on this set, so if you touch internal metal parts when the set is energized, you may get an electric shock. Avoid getting an electric shock, by using an isolating transformer and wearing gloves when servicing while the set is energized, or by unplugging the power cord when replacing parts, for example.
- (2) There are high voltage parts inside. Handle with extra care when the set is energized.

#### ⊙ Caution concerning disassembly and assembly!

Through great care is taken when parts were manufactured from sheet metal, there may be burrs on the edges of parts. The burrs could cause injury if fingers are moved across them in some rare cases. Wear gloves to protect your hands.

#### ⊙ Use only designated parts!

The set's parts have specific safety properties (fire resistance, voltage resistance, etc.). Be sure to use parts which have the same properties for replacement. The burrs have the same properties. In particular, for the important safety parts that are indicated by the  $\triangle$  mark on schematic diagrams and parts lists, be sure to use the designated parts.

#### ⊙ Be sure to mount parts and arrange the wires as they were originally placed!

For safety reasons, some parts use tapes, tubes or other insulating materials, and some parts are mounted away from the surface of printed circuit boards. Care is also taken with the positions of the wires by arranging them and using clamps to keep them away from heating and high voltage parts, so be sure to set everything back as it was originally placed.

#### ⊙ Make a safety check after servicing!

Check that all screws, parts and wires removed or disconnected when servicing have been put back in their original positions, check that no serviced parts have deteriorate the area around. Then make an insulation check on the external metal connectors and between the blades of the power plug, and otherwise check that safety is ensured.

(Insulation check procedure)

Unplug the power cord from the power outlet, disconnect the antenna, plugs, etc., and on the power. Using a 500V insulation resistance tester, check that the insulation resistance value between the inplug and the externally exposed metal parts (antenna terminal, headphones terminal, input terminal, etc.) is 1M $\Omega$  or greater. If it is less, the set must be inspected and repaired.

### **CAUTION** Concerning important safety parts

Many of the electric and the structural parts used in the set have special safety properties. In most cases these properties are difficult to distinguish by sight, and the use of replacement parts with higher ratings (rated power and withstand voltage) does not necessarily guarantee that safety performance will be preserved. Parts with safety properties are indicated as shown below on the wiring diagrams and the parts list in this service manual. Be sure to replace them with the parts which have the designated part number.

- (1) Schematic diagrams.....Indicated by the  $\triangle$  mark.
- (2) Parts lists.....Indicated by the  $\triangle$  mark.

The use of parts other than the designated parts could cause electric shocks, fires or other dangerous situations.

## NOTE FOR SCHEMATIC DIAGRAM

**WARNING:**

Parts indicated by the  $\triangle$  mark have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.

**CAUTION:**

Before returning the set to the customer, be sure to carry out either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the set is defective.

**WARNING:**

DO NOT return the set to the customer unless the problem is identified and remedied.

**NOTICE:**

ALL RESISTANCE VALUES IN OHM. k=1,000 OHM / M=1,000,000 OHM

ALL CAPACITANCE VALUES ARE EXPRESSED IN MICRO FARAD, UNLESS OTHERWISE INDICATED. P INDICATES MICRO-MICRO FARAD. EACH VOLTAGE AND CURRENT ARE MEASURED AT NO SIGNAL INPUT CONDITION. CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

## NOTE FOR PARTS LIST

1. Parts indicated by "nsp" on this table cannot be supplied.
2. When ordering a part, make a clear distinction between "1" and "I" (i) to avoid mis-supplying.
3. A part ordered without specifying its part number can not be supplied.
4. Part indicated by "★" mark is not illustrated in the exploded view.
5. General-purpose Carbon Film Resistor in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)
6. General-purpose Carbon Chip Resistors are not included in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)

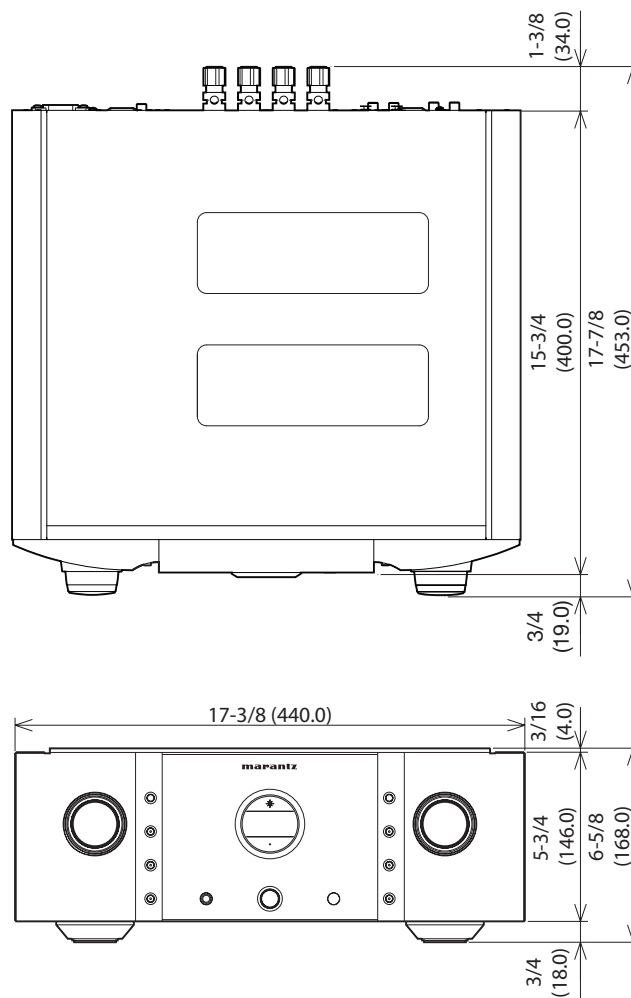
**WARNING:** Parts indicated by the  $\triangle$  mark have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.



# TECHNICAL SPECIFICATIONS

- **RMS Power output:** 100 W × 2 (8 Ω)  
(20 Hz - 20 kHz 2-channel simultaneously driven) 200 W × 2 (4 Ω)
- **Total harmonic distortion:** 0.01 %  
(20 Hz - 20 kHz 2-channel simultaneously driven, 8 Ω)
- **Output band width:** (8 Ω, 0.05 %) 5 Hz - 45 kHz
- **Frequency response:** (CD, 1 W, 8 Ω load) 5 Hz - 120 kHz ± 3 dB
- **Damping factor:** (8 Ω, 20 Hz - 20 kHz) 100
- **Input sensitivity/Input impedance**
  - PHONO (MC): 260 μV / 100 Ω
  - PHONO (MM): 2.7 mV / 47 kΩ
  - BALANCED: 480 mV / 40 kΩ
  - CD/LINE: 240 mV / 20 kΩ
  - P. DIRECT IN: 1.7 V / 20 kΩ
- **Output voltage/Output impedance**
  - PRE OUT: 1.9 V / 220 Ω
- **Maximum allowable PHONO input level (1 kHz)**
  - MC: 10 mV
  - MM: 105 mV
- **RIAA deviation:** (20 Hz-20 kHz) ± 0.5 dB
- **S/N (IHF-A, 8 Ω)**
  - PHONO (MC): 76 dB (0.5 mV Input, 1 W Output)
  - PHONO (MM): 88 dB (5 mV Input, 1 W Output)
  - BALANCED: 109 dB (4 V Input, Rated output)
  - CD/LINE: 108 dB (2 V Input, Rated output)
- **Tone control**
  - BASS (50 Hz): ± 8 dB
  - TREBLE (20 kHz): ± 8 dB
- **Power requirement:**
  - U: AC 120 V, 60 Hz
  - N: AC 230 V, 50/60 Hz
  - K: AC 220 V, 50 Hz
  - 300 W
- **Power consumption:** 0.2 W
- **Standby power consumption:** 0.2 W

# DIMENSION

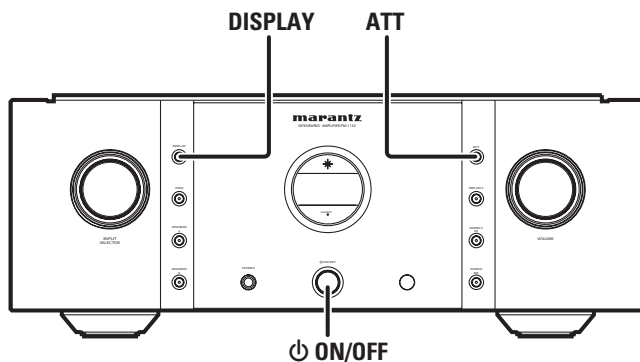


## CAUTIONS IN SERVICING

### Initializing INTEGRATED AMPLIFIER

INTEGRATED AMPLIFIER initialization should be performed when the  $\mu$ com and peripheral parts of  $\mu$ com were replaced.

1. Turn off the power pressing  $\text{\textcircled{P}}$  ON/OFF button.
2. Press  $\text{\textcircled{P}}$  ON/OFF button while simultaneously while pressing DISPLAY button and ATT buttons.
3. Check the set entered the service mode.(Refer to "SERVICE MODE"(11 page).)



### The layout of this amplifier is well concerned for sound quality.

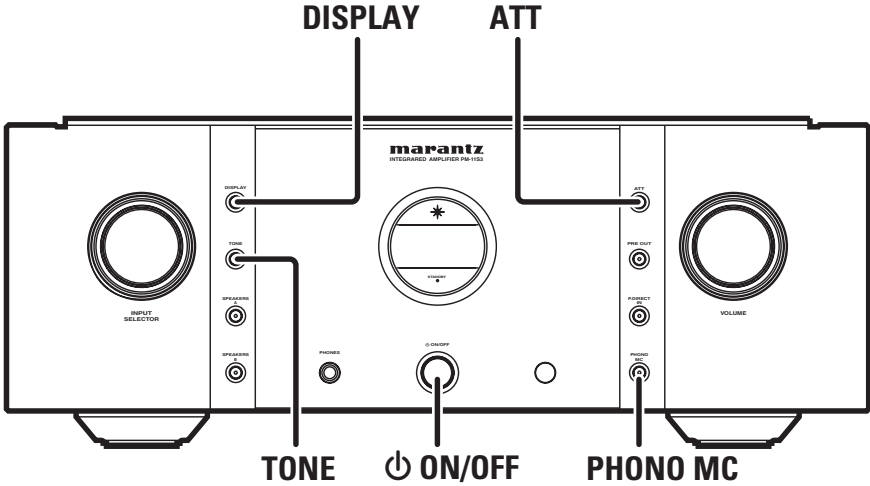
1. When screws and washers are removed, those parts must be set to the same places.
2. When wires are removed, the wires must be installed in the same roots, same places.
3. Do not hold the side panel (013D) to move the unit when the unit is disassembled.

# SPECIAL MODE

## Special mode setting button

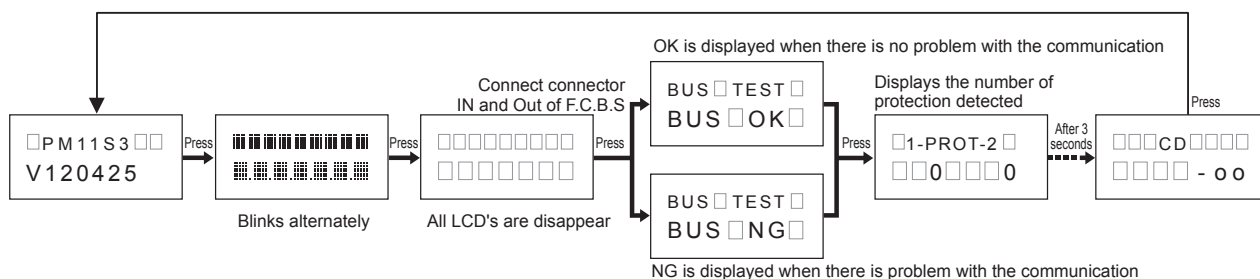
※ No.1, 2 : Press the Power operation button to turn on the power while pressing both the button A and B at the same time.

No.	Mode	Button A	Button B	Contents
1	SERVICE MODE	DISPLAY	ATT	"Model name, Version and other information are displayed. The memory is cleared and the unit is initialized."
2	SERIAL NUMBER CHECK MODE	TONE	PHONO MC	The Serial number is displayed.
3	ERROR MESSAGES	—	—	Table of Error Message.
4	PROTECTION MODE	—	—	Details of the PROTECTION.



## 1. SERVICE MODE

- To enter the Service Mode, press the ON/OFF button with pressing the DISPLAY and ATT buttons to turn on the unit.  
Or when the remote code "166363" is received while power is ON.  
When into the Service Mode, the memory is cleared and the unit is initialized.
- The Model name and Version number are displayed on the Front LCD.  
Whenever press the DISPLAY button, the display changes as follows.  
Turn off power to quit service mode.



Displays the number of protection detected

### Initial settings

ID No. :	0
SIDE ILLUMINATION :	ON
LEVEL TRIM :	0.0(L/R)
BASS TRIM :	0
TREBLE TRIM :	0
ATT :	-20 dB
ATT :	OFF
VOLUME :	-∞
INPUT SELECTOR :	CD

DISPLAY :	ON
TONE :	OFF
PHONO MC :	OFF (MM)
PRE OUT :	OFF
POWER AMP DIRECT :	OFF
SPEAKER A :	OFF
SPEAKER B :	OFF
POWER ON/STANDBY :	ON
AUTO STANDBY MODE :	ON

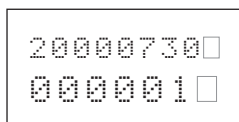
Be sure to set up manually.

MODE SW on Rear panel : **STEREO**,

ON/OFF SW : **OFF**

## 2. SERIAL NUMBER CHECK MODE

- To enter the serial number check mode, press the ON/OFF button with pressing the TONE and PHONO MC buttons to turn on the unit.
- The Serial number is displayed on the Front LCD.  
Turn off power to quit serial number check mode.



### 3. ERROR MESSAGES

	Indication	Meaning
1	ERROR 02	Multiple amplifiers take ID No. 2.
2	ERROR 03	Multiple amplifiers take ID No. 3.
3	ERROR 04	Multiple amplifiers take ID No. 4.
Assign different ID numbers to the amplifiers.		
4	ERROR 11	The amplifiers with ID Nos. 2-4 cannot communicate with the amplifier with ID No. 1.
If the amplifier with ID No. 1 is not on, turn it ON. Check that the remote cable is properly connected.		
5	ERROR 12	The amplifier with ID No. 1 cannot communicate with the amplifiers with ID Nos. 2-4.
If multiple amplifiers take ID No. 1, set ID numbers properly. If the amplifier with ID No. 1 is connected to the amplifier with ID No. 0, set ID numbers properly. Check that the remote cable is properly connected.		

### 4. PROTECTION MODE

Explanation of microprocessor (U1001) [PROT\_1 (pin1) and PROT\_2 (pin2)].

**[A] The PROT\_1(pin1) is the port to detect the following abnormalities of the Power AMP**

1. Detection of an abnormality in the DC offset voltage from the Speaker Output terminal.  
If the voltage from the Speaker Output terminal exceeds approximately 1.2V (DC), Q9005 or Q9006 will turn on and the signal from the PROT\_1 terminal will change to L from H.
2. Detection of an abnormal current from the power transistors (Q6036, Q6037, Q7036, Q7037).  
If an electric current of over 10A flows in Q6036 or Q6037, Q6038, Q6039 and Q9008 turn on, and the signal from the PROT\_1 terminal will change to L from H.  
If an electric current of over 10A flows in Q7036 or Q7037, Q7038, Q7039 and Q9008 turn on, and the signal from the PROT\_1 terminal will change to L from H.
3. Detection of an abnormal temperature of the Heat Sink.  
If the temperature of the Heat Sink exceeds approximately +110 degrees C, the posistor (R6501 and R7501) will turn on Q9007 and the signal from the PROT\_1 terminal will change to L from H.

If any of the above three abnormalities is detected, the signal from the PROT\_1 terminal will change to L from H, and the protection circuit will be activated, the signal from the SPK (pin4) changing to L from H and the speaker relays S9001 ~ S9005 immediately turned off.

What this protection operation results in after this depends on how long the signal from the PROT\_1 has to remain L.

- If the PROT\_1 (pin1) recovers to "H" within as short a period of time as one second or less.  
The message "PROTECT" flashes on the display, thereby indicates that the protection circuit has come into operation and automatically turns down the volume. The protection circuit is deactivated after approximately 8 seconds, so that readjusting the volume will allow normal use of the unit again. This protection operation is intended for the situation wherein the user has misused the unit temporarily and automatically resets the unit while the amp circuit is functioning properly.
- If the PROT\_1 (pin1) remains L for more than one second.  
The amp will be powered off by the POW-2 (pin24) changing to L from H and Power relay S8502 turned off  
Then, the STANDBY indicator flickers, thereby indicating that an error has occurred. This protection operation is intended for a failure in the amp circuit and immediately turns the power off to avoid the risk of any damage. Depending on how the user is handling the unit, this operation may be performed no matter if the amp is functioning properly.  
To check if the amp is in order, switch off the unit and switch it on again one minute later. This action will deactivate the protection operation. If the PROT\_1 (pin1) remains "L", which constitutes an abnormality, the unit shuts down approximately 3 seconds later and the STANDBY indicator starts flickering.  
If the protection operation will not be deactivated after the power is turned on again, the amp circuit may be broken.

**[B] The PROT\_2 (pin53) is the port to detect abnormalities of the power supply circuit**

1. Detection of an abnormality in the power amp power supply circuit.

This port monitors the midpoint voltage of the power amp power supply between +58V and -58V. If the voltage at the connection point of R8002 and R8003 exceeds DC  $\pm 1.2V$ , Q8001 or Q8002 will turn on to change the signal from the PROT\_2 (pin2) to L from H.

2. Detection of an abnormality in the preamp power supply circuit.

This port monitors the midpoint voltage between +30V and -30V. If the voltage at the connection point of R8123 and R8124 exceeds DC  $\pm 1.2V$ , Q8003 or Q8004 will turn on to change the signal from the PROT\_2 (pin2) to L from H

3. Detection of an abnormality in the function relay power supply circuit.

If the +24VLB of the relay power supply receives an electric current of over 120mA, Q8006 and Q8003 will turn on to change the signal from the PROT\_2 (pin2) to L from H.

If any of the above four abnormalities is detected, the signal from the changing to L from H, the power relay S8502 will be turned off and the unit will be shut down. Then, the STANDBY indicator flickers and indicates that an abnormality has occurred.

This protection operation is intended for a breakdown of the AMP circuit or the power supply circuit and immediately shut s off the power in order to avoid the risk of damage.

To check if the amp circuit or the power supply circuit is broken, switch off the power and then switch it on again one minute later. This action will deactivate the protection operation.

If the RPO2\_2 (pin2) remains L after the power is switched on again, the unit will be shut down again three seconds later with the STANDBY indicator flickering.

If the unit is powered on again and yet cannot get the protection operation deactivated, the amp circuit or the power supply circuit may be broken.

# WHEN THE MICROPROCESSOR IS REPLACED WITH A NEW ONE

When replaced of the U-PRO (Microprocessor) or the Flash ROM, confirm contents of the following.

PCB Name	Ref. No.	Description	After replaced	Remark
8U-210120-1	U1001	R5F100MFAFA	A	

After replacing

A : Mask ROM (With software). No need write-in of software to the microprocessor.

B : Flash ROM (With software). Usually, no need write-in of software. But, when the software was updated, you should be write-in of the new software to the microprocessor or flash ROM. Please check the software version.

C : Empty Flash ROM (Without software). You should be write-in of the software to the microprocessor or flash ROM. Refer to "Update procedure" or "writing procedure", when you should be write-in the software.

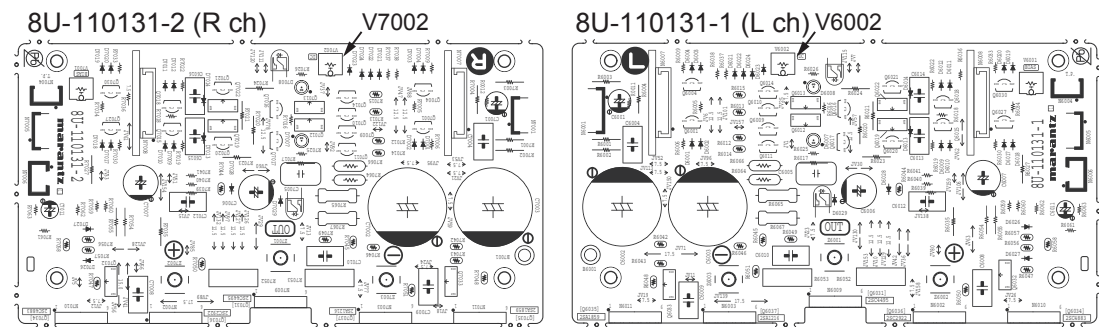
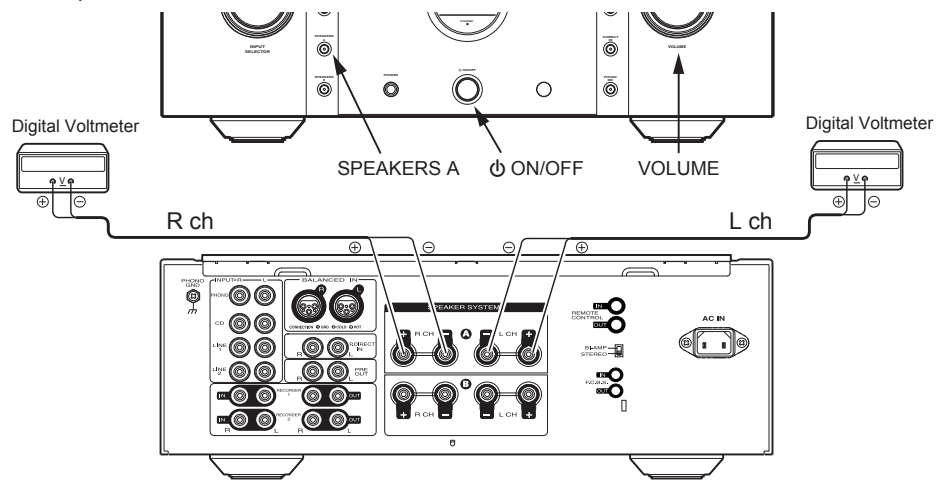
## ALIGNMENTS

### Adjustment Procedure

Set the power voltage to rated voltage for this adjustment.

### DC Offset Voltage Adjustment

1. Before turning on the power,

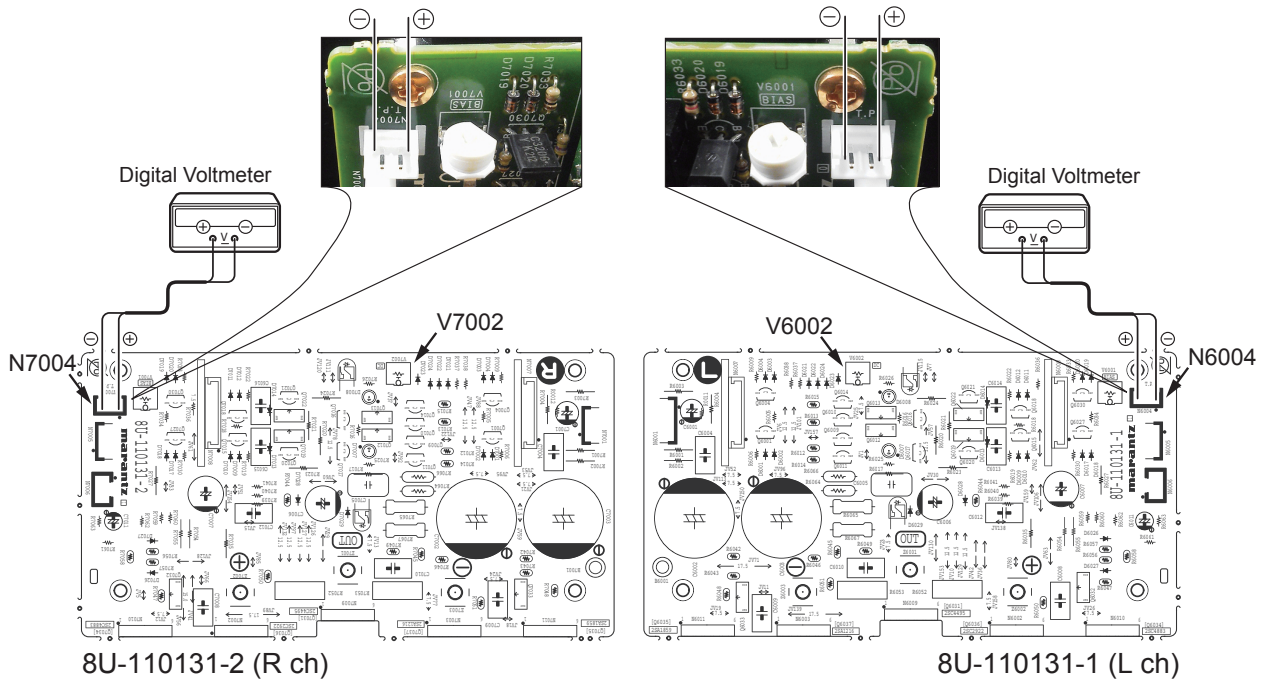


Insert Digital Voltage Meter between the SPEAKER SYSTEMS A (L CH) "+" and "-".

Insert Digital Voltage Meter between the SPEAKER SYSTEMS A (R CH) "+" and "-".

2. Turn on the power, **VOLUME** is set as  $\infty$ .
3. Press the **SPEAKER A** button.
4. After turn on the power and 2 minutes pass, first **L CH** is adjusted.  
The variable resistor **V6002** on 8U-110131-1 is turned with adjustment driver, and the Digital Voltage Meter is adjusted to "**0 mV  $\pm$  10 mV**".
5. Then, **R CH** is adjusted.  
The variable resistor **V7002** on 8U-110131-2 is turned with adjustment driver, and the Digital Voltage Meter is adjusted to "**0 mV  $\pm$  10 mV**".
6. Although after-adjustment DC offset voltage has some change, Please check that the range of DC offset voltage between L ch (R ch) "+" and L ch (R ch) "-" terminal of SPEAKER SYSTEMS A is "**0 mV  $\pm$  20 mV**".

## Idling Current Adjustment

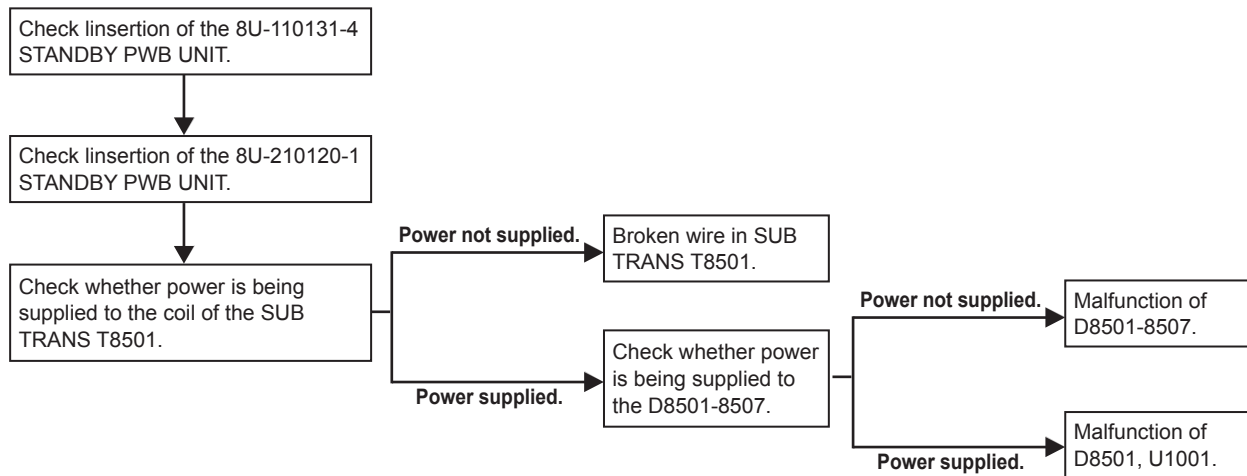


1. After DC Offset Voltage Adjustment is completed, adjust the Idling Current with the variable resistor **V6001** and **V7001** on the PWB (8U-110131-1/8U-110131-2).
2. Turn off the power.
3. "+" of Connect Digital Voltage is connected to the No. 1 pin and connected "-" to No. 3 pin of **N6004**.
4. "+" of Connect Digital Voltage is connected to the No. 1 pin and connected "-" to No. 3 pin of **N7004**.
5. Before turning on the power, **V6001** and **V7001** have been counter clockwise turned with the adjustment driver.
6. Turn on the power, **VOLUME** is set as  $-\infty$ .
7. After 1 minutes, with seeing the digital voltage meter turn the variable resistor clockwise slowly to adjust the idling current.
  - Idling adjustment with **V6001** (**V7001**).
  - Turn **V6001** (**V7001**) clockwise to increase the idling current.
  - The adjustment value of idling current is "**15 mV(75 mA)  $\pm$  0.5 mV(2.5 mA)**" each.
8. After 5 minutes, repeat the same procedure as 7.
  - Turn **V6001** (**V7001**) clockwise to increase the idling current.
  - The adjustment value of idling current is "**12 mV(60 mA)  $\pm$  0.5 mV(2.5 mA)**" each.
 Adjustment is completed.
9. Remove connection cable, attach the top cover.

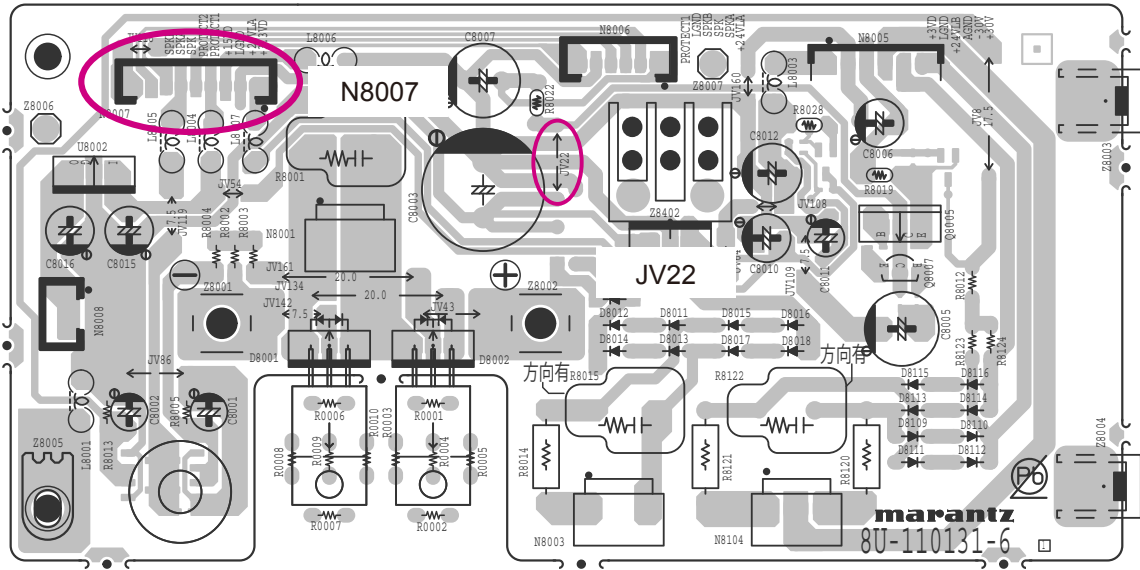
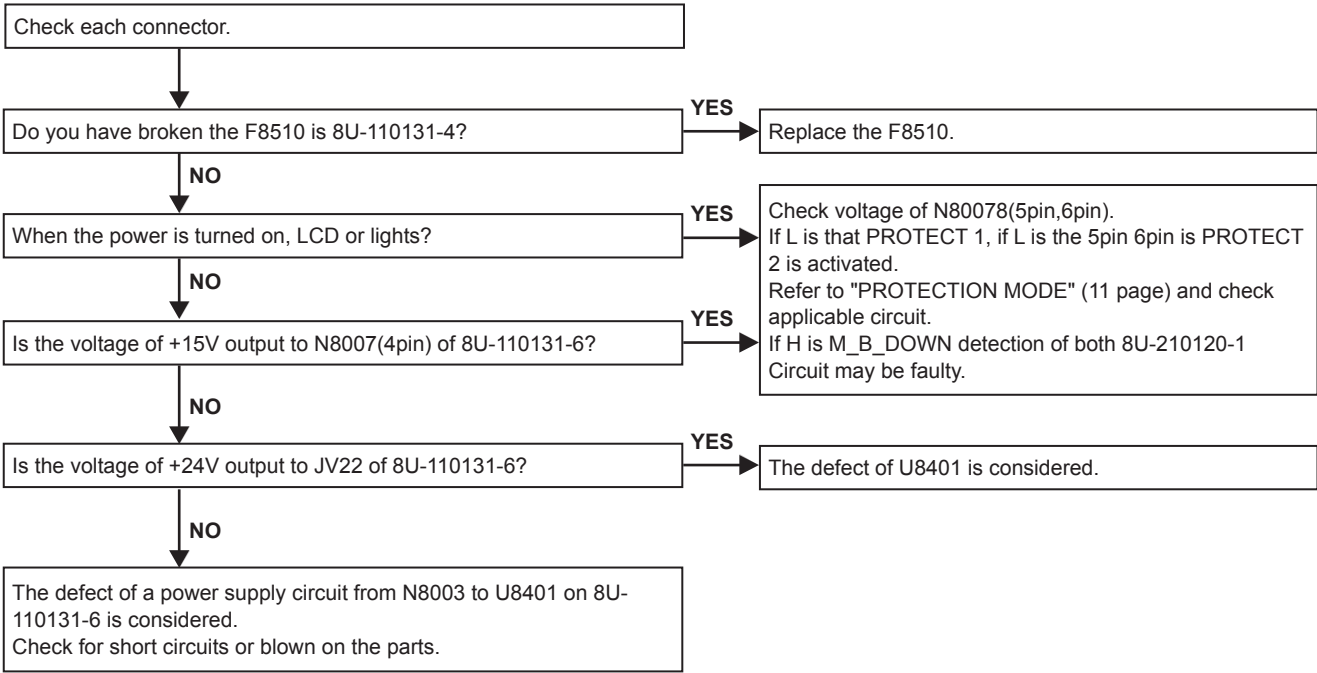
Idling current decreases with the temperature rise inside the unit, and it is set to "**10mV (50mA)**" of setting value in about 30 minutes after turn on the power.



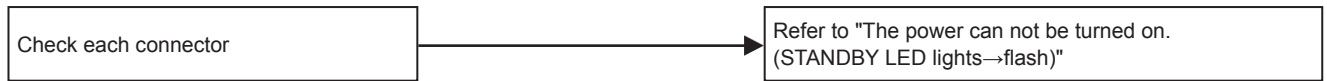
# 1.THE POWER CAN NOT BE TURNED ON (STANDBY LED DOES NOT LIGHT (STANDBY MODE))



## 2.THE POWER CAN NOT BE TURNED ON (STANDBY LED LIGHTS → FLASH)

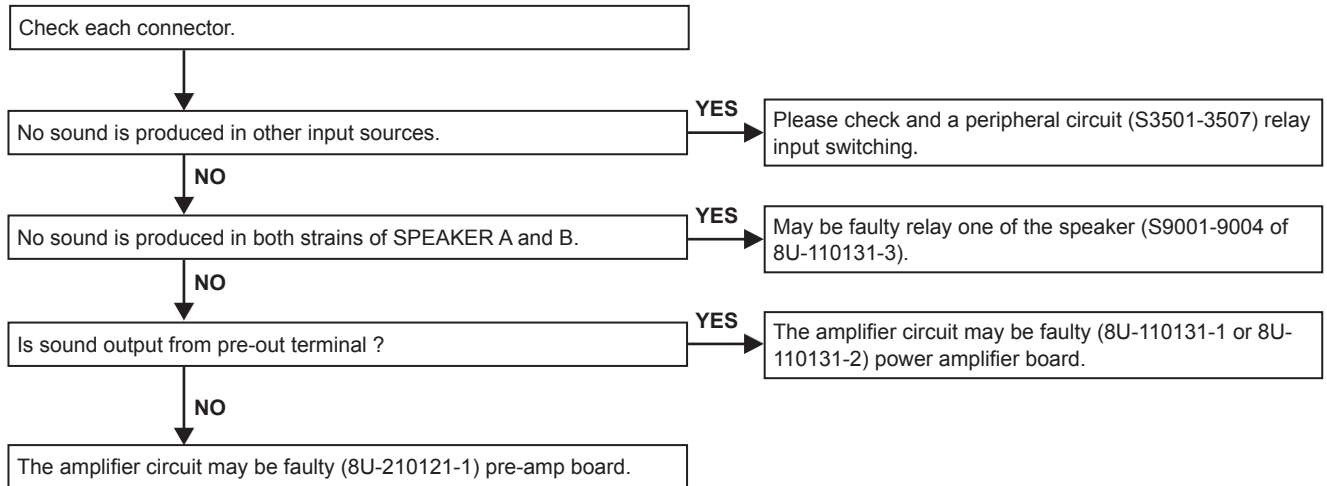


### 3. STANDBY LED FLASHES WHILE USING UNIT (PROTECTION CIRCUIT IS SET)

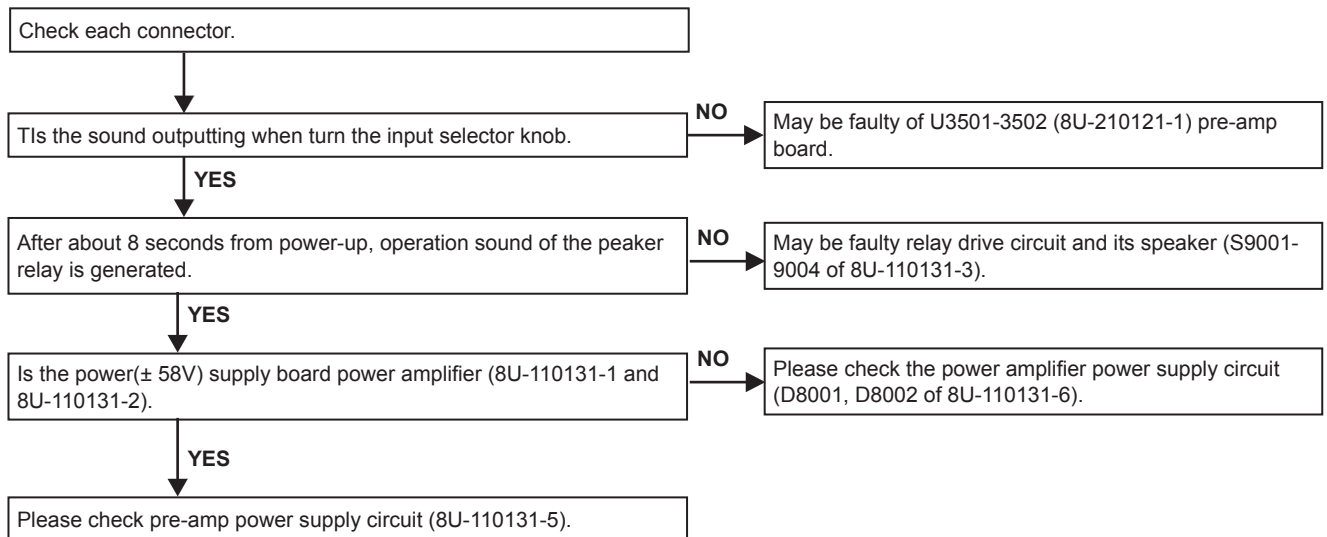


### 4. THE POWER TURNED ON, BUT A SOUND DOES NOT OUTPUT NORMALLY

4.1. There is no sound from one channel.

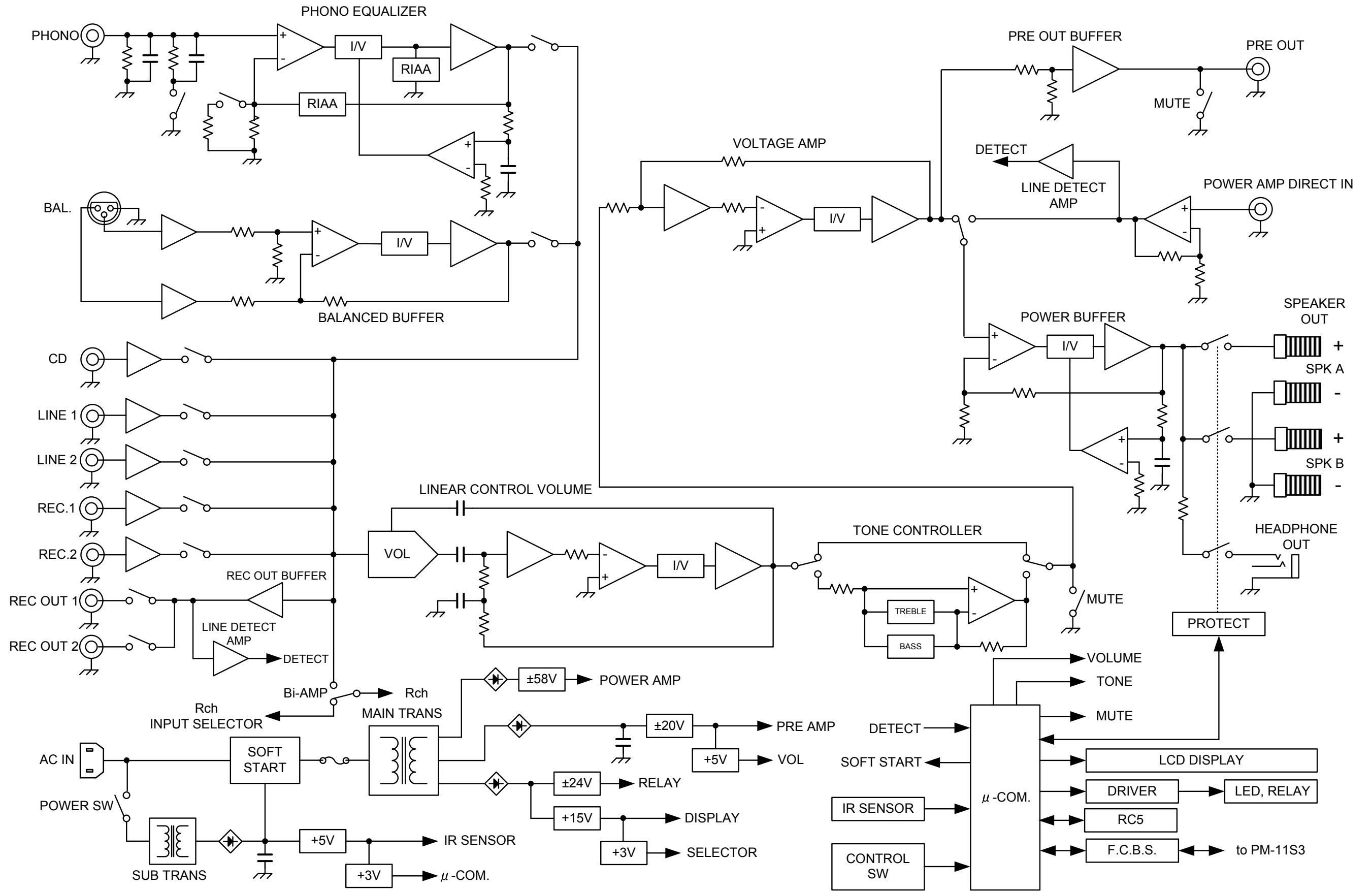


4.2. There is no sound from both channel.

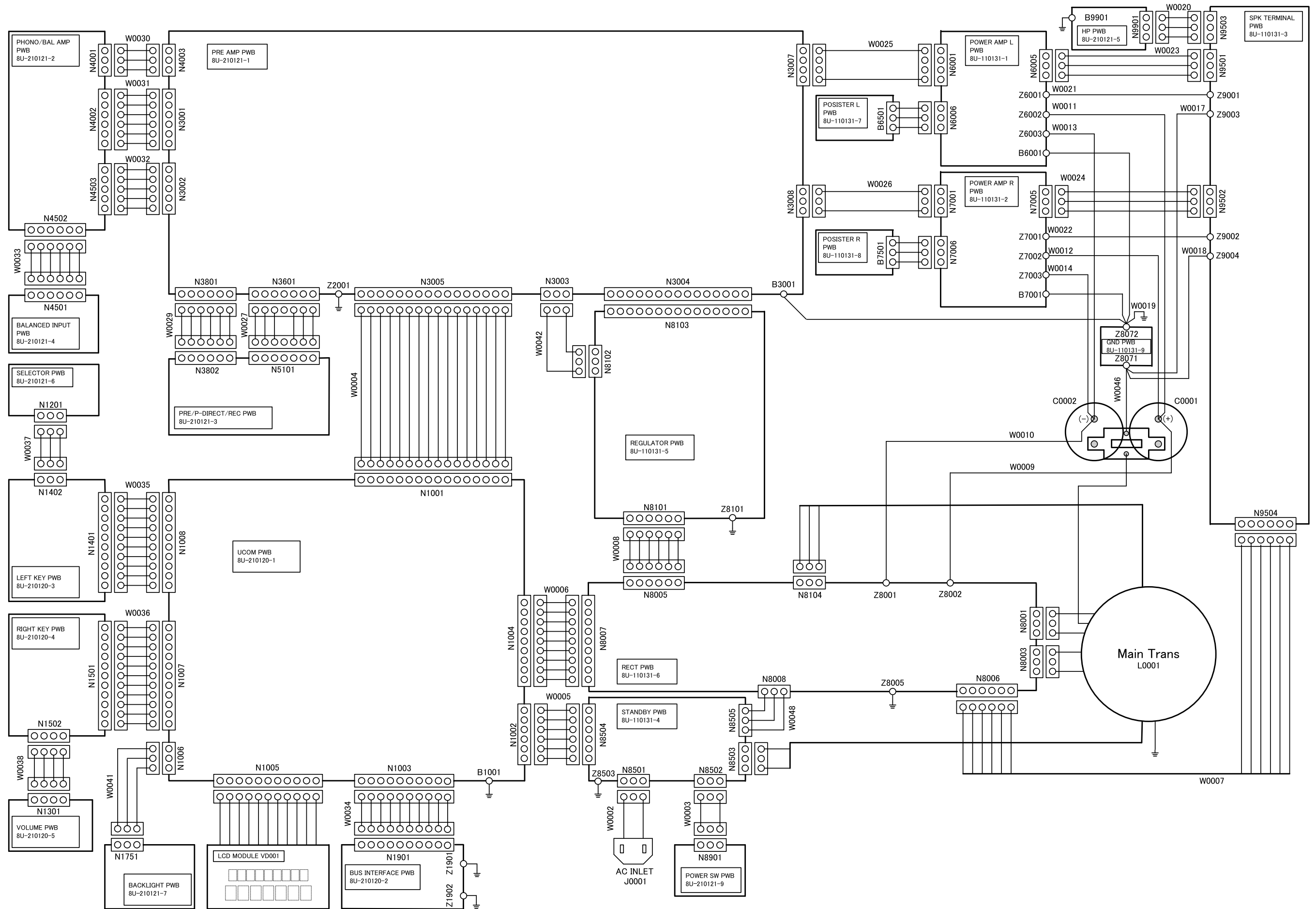




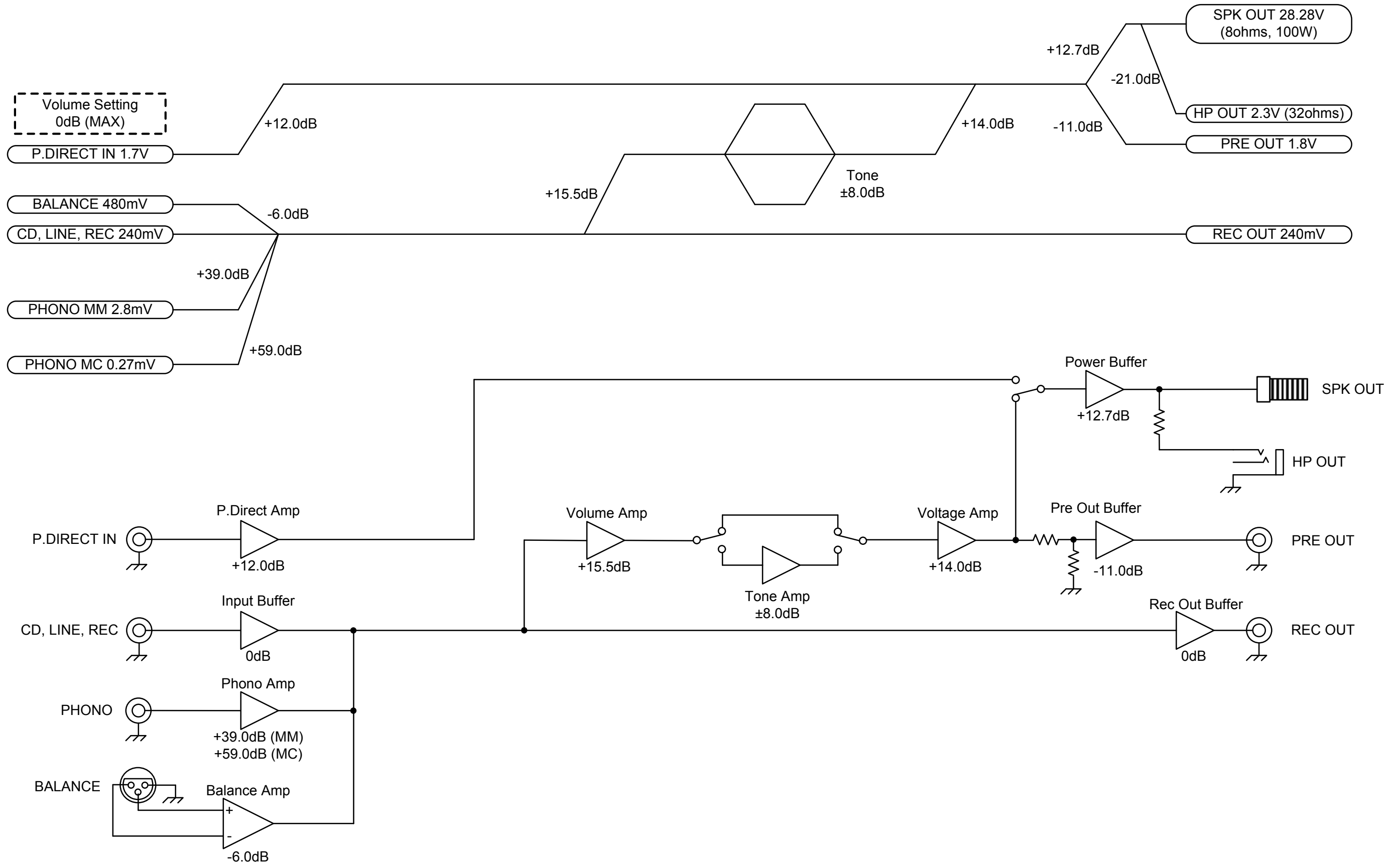
# BLOCK DIAGRAM



# WIRING DIAGRAM



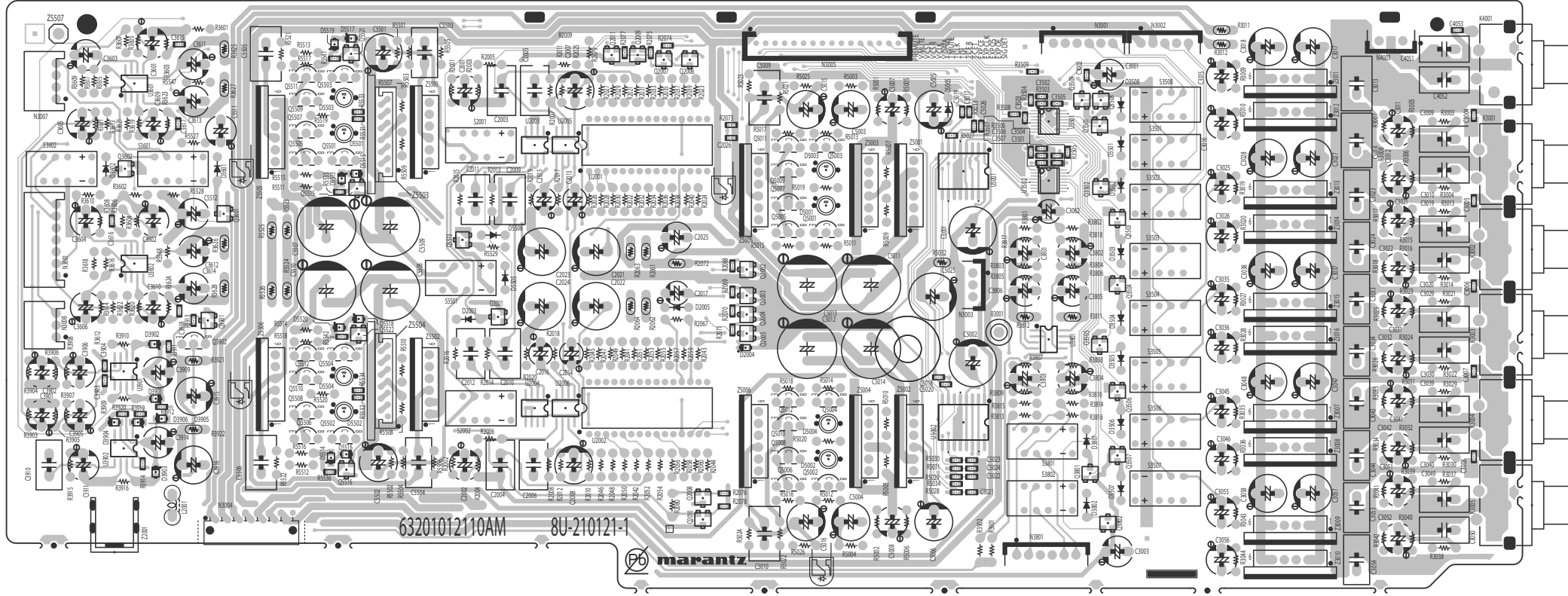
# LEVEL DIAGRAM



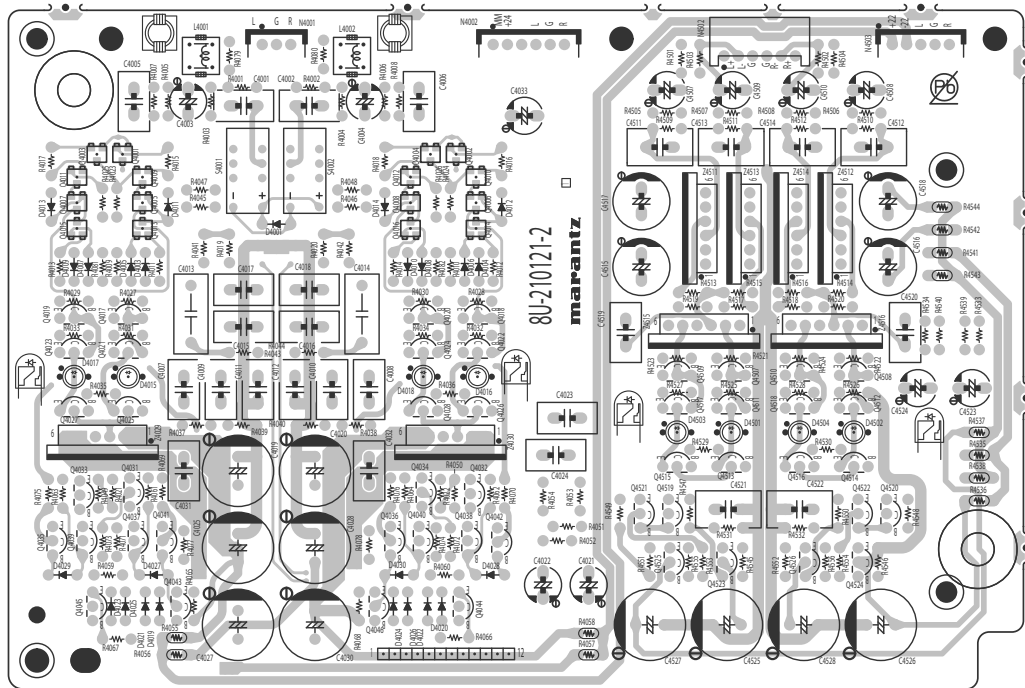
PRINTED WIRING BOARDS

18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

8U-210121-1  
(COMPONENT SIDE)



8U-210121-2  
(COMPONENT SIDE)



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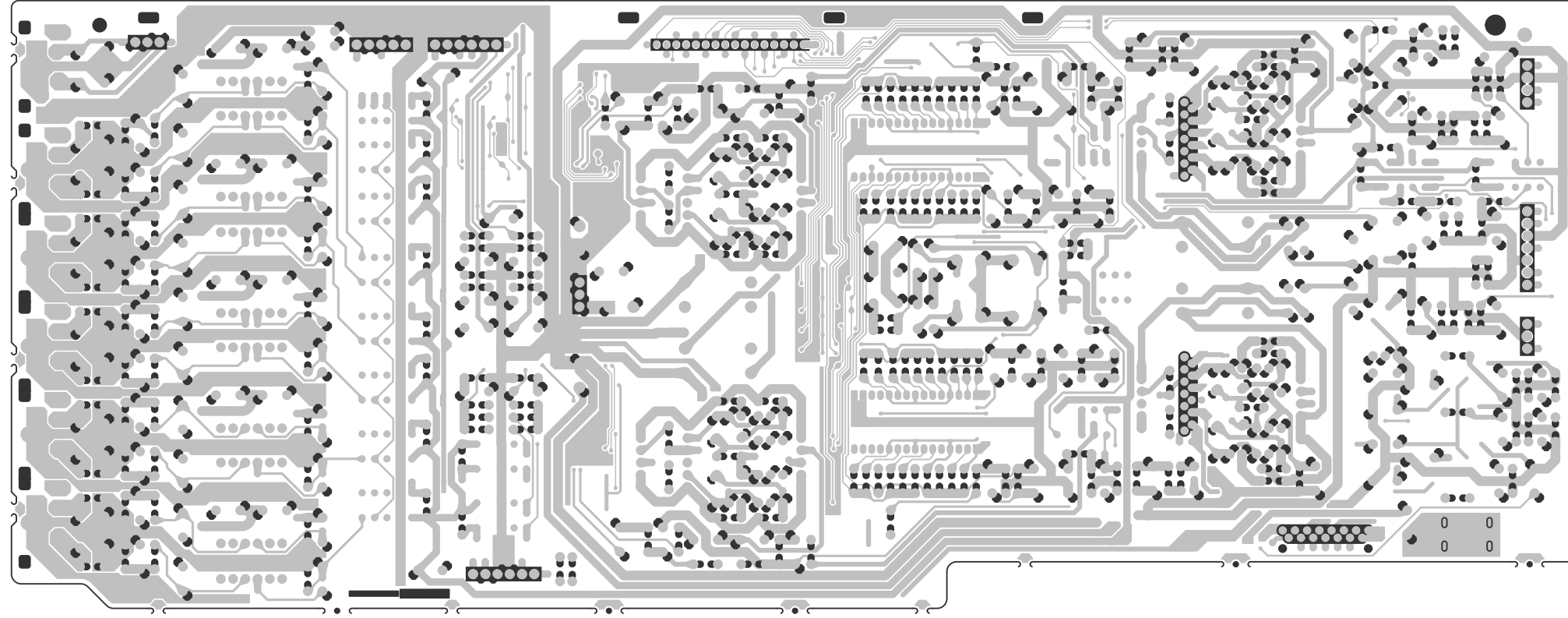
**鉛フリー半田**  
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**Lead-free Solder**  
When soldering, use the Lead-free Solder (Sn-Ag-Cu).

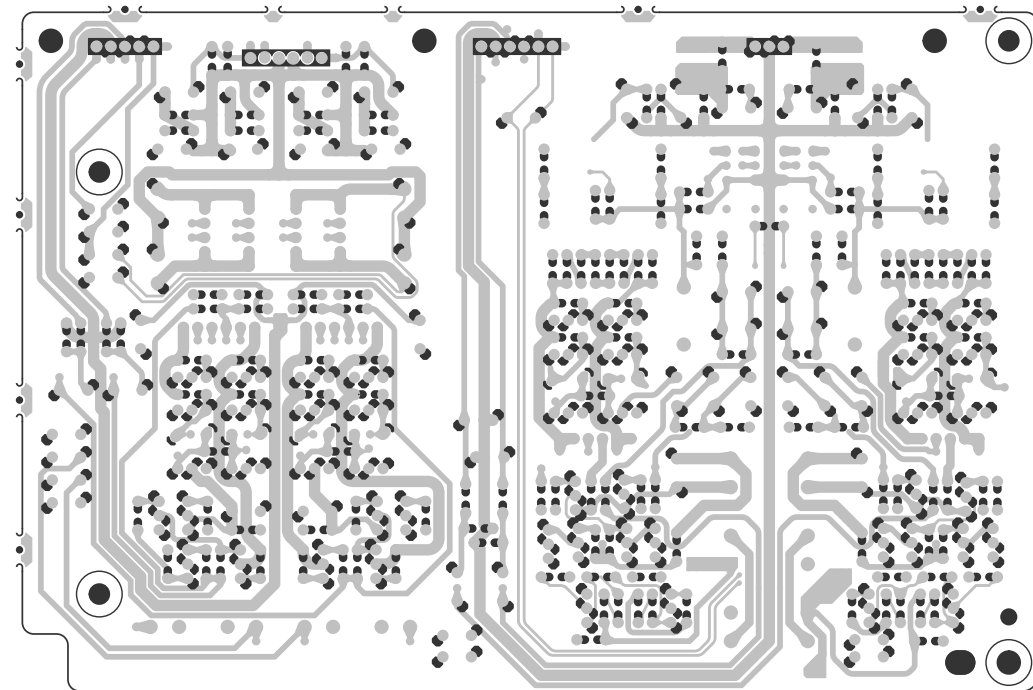


18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

8U-210121-1  
(FOIL SIDE)



8U-210121-2  
(FOIL SIDE)



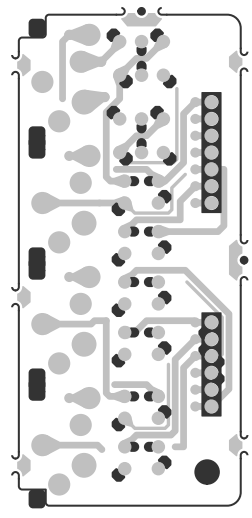
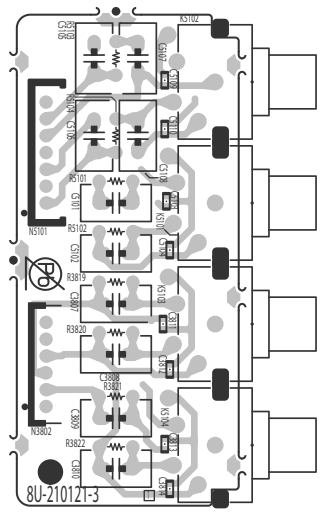
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8U-210121-3

(COMPONENT SIDE)

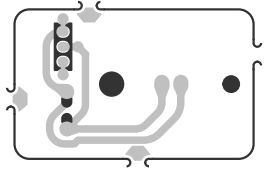
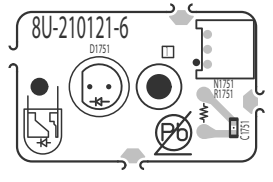
(FOIL SIDE)



8U-210121-6

(COMPONENT SIDE)

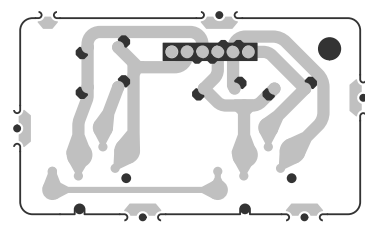
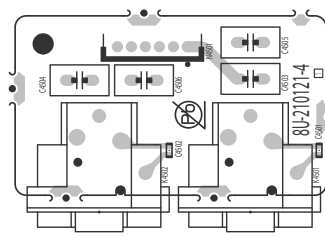
(FOIL SIDE)



8U-210121-4

(COMPONENT SIDE)

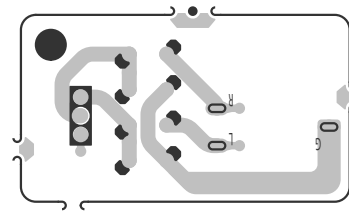
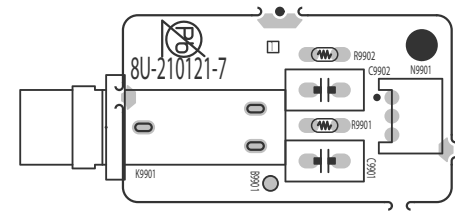
(FOIL SIDE)



8U-210121-7

(COMPONENT SIDE)

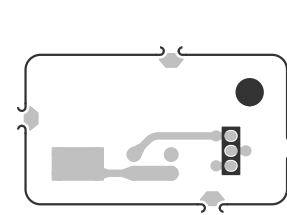
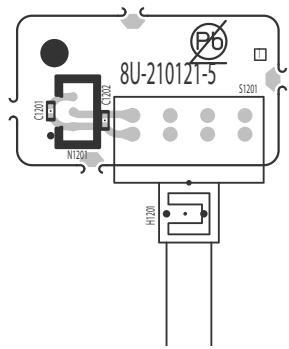
(FOIL SIDE)



8U-210121-5

(COMPONENT SIDE)

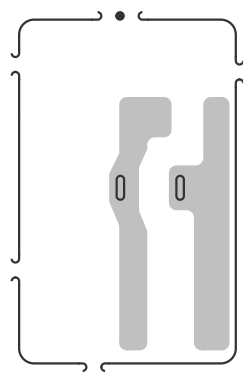
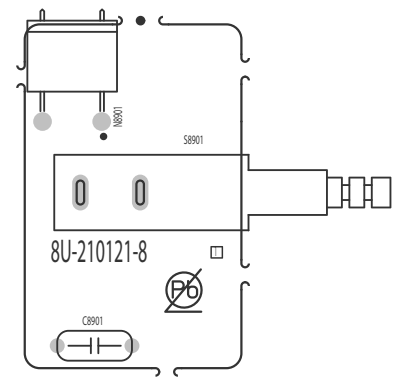
(FOIL SIDE)



8U-210121-8

(COMPONENT SIDE)

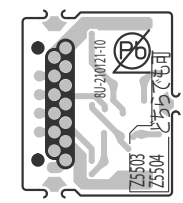
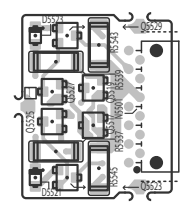
(FOIL SIDE)



8U-210121-10

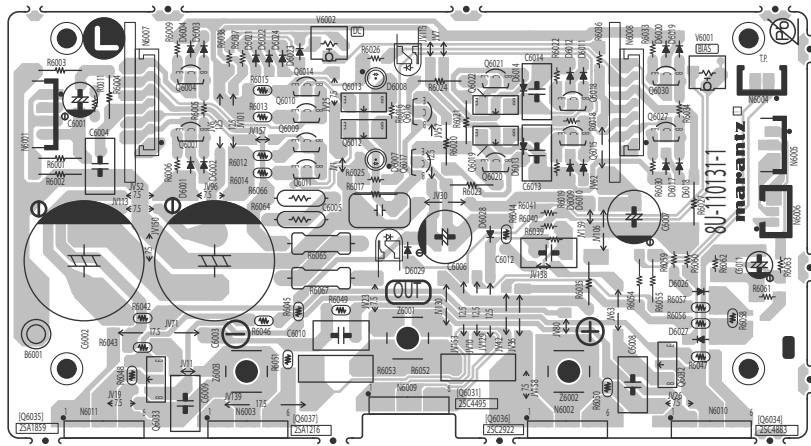
(COMPONENT SIDE)

(FOIL SIDE)

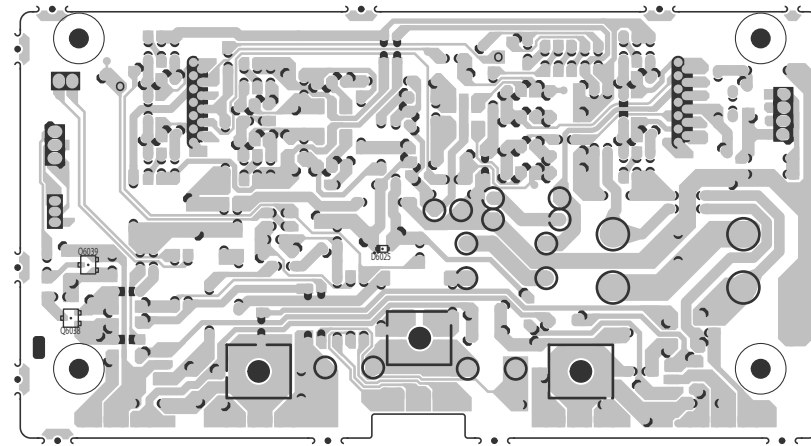


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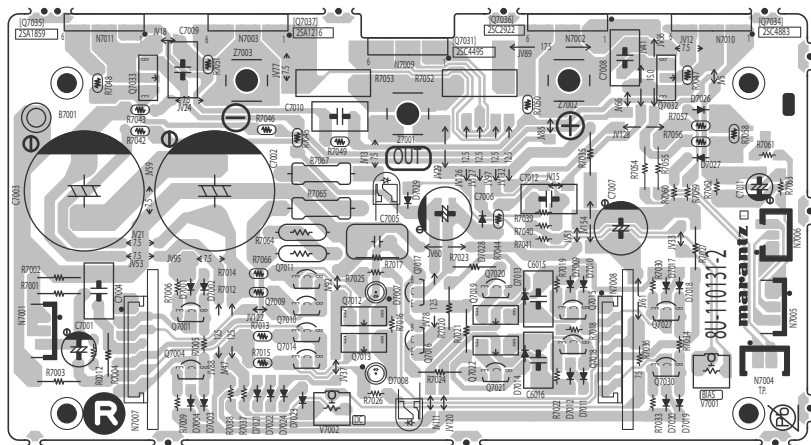
8U-110131-1  
(COMPONENT SIDE)



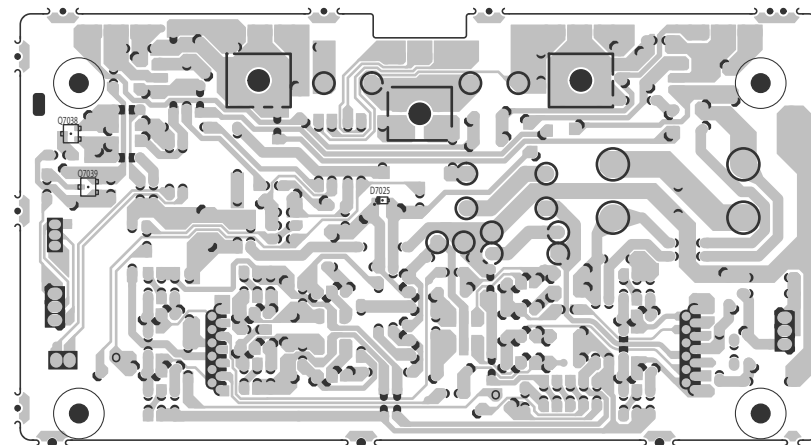
8U-110131-1  
(FOIL SIDE)



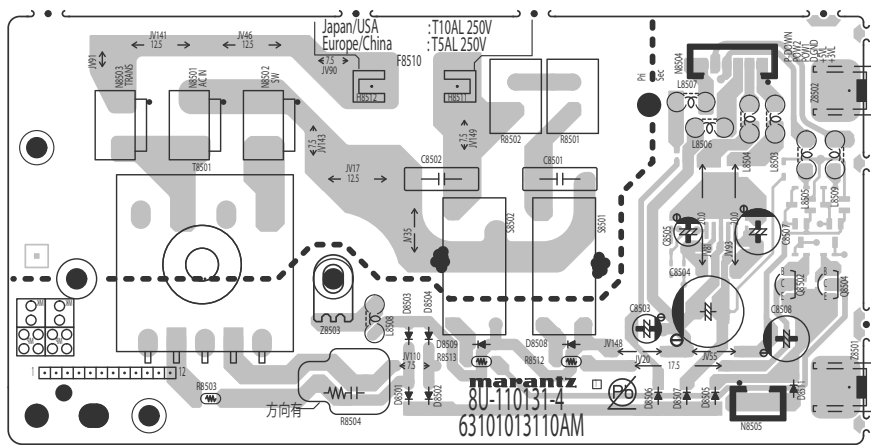
8U-110131-2  
(COMPONENT SIDE)



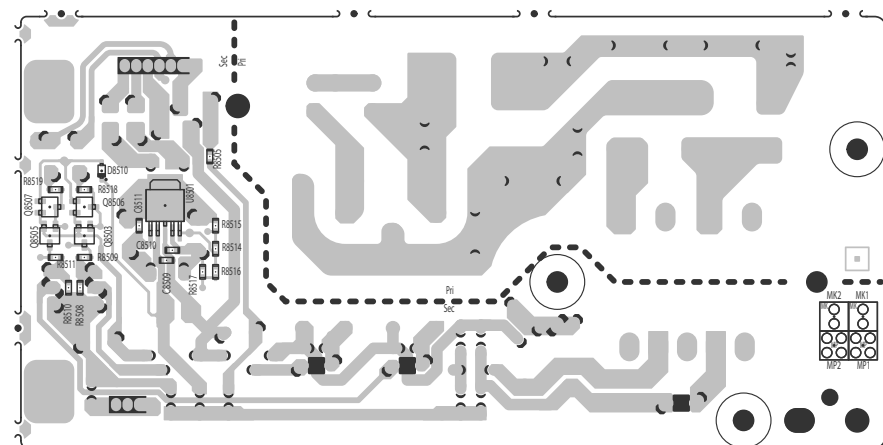
8U-110131-2  
(FOIL SIDE)



8U-110131-4  
(COMPONENT SIDE)

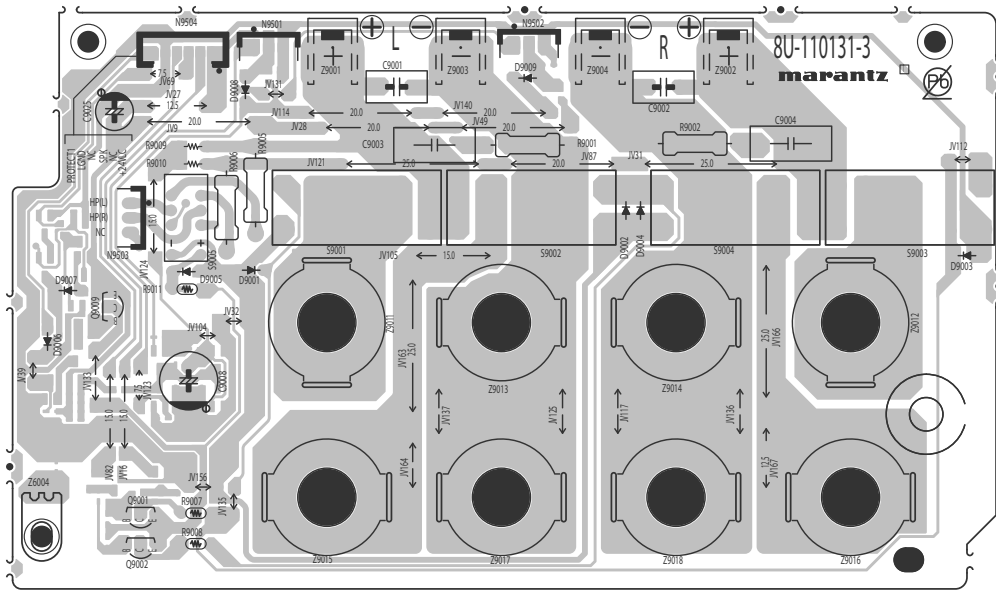


8U-110131-4  
(FOIL SIDE)

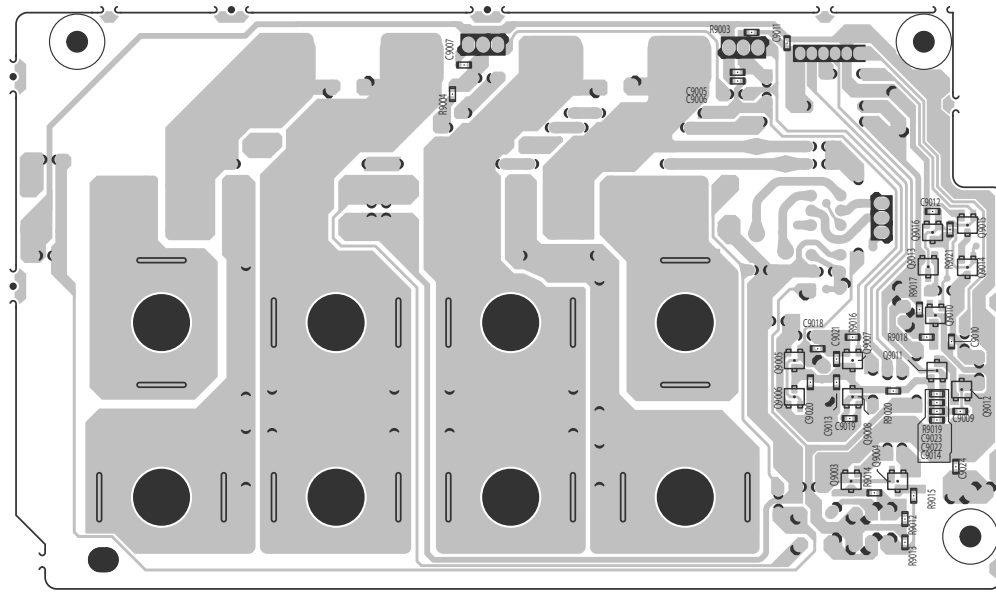


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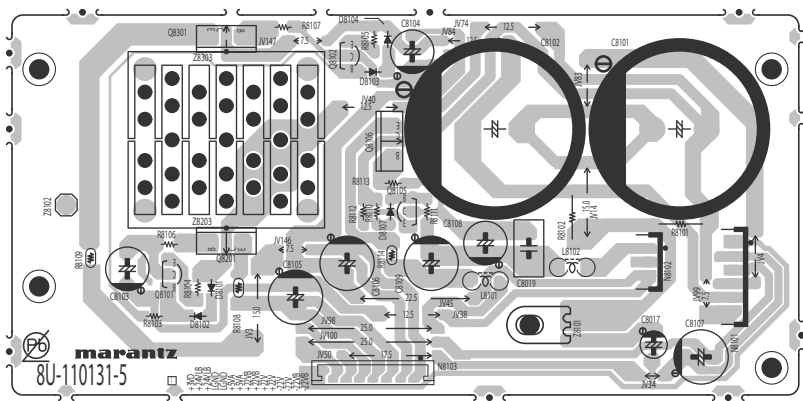
**8U-110131-3  
(COMPONENT SIDE)**



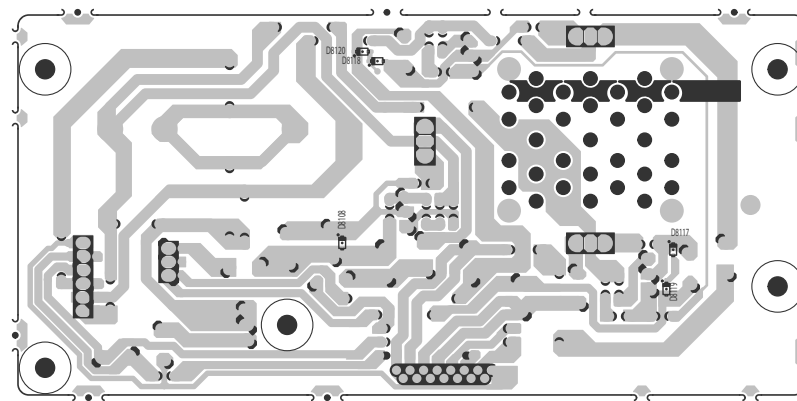
**8U-110131-3  
(FOIL SIDE)**



**8U-110131-5  
(COMPONENT SIDE)**

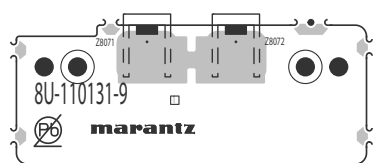


**8U-110131-5  
(FOIL SIDE)**

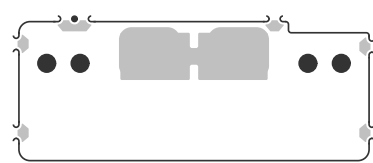


**8U-110131-9**

**(COMPONENT SIDE)**

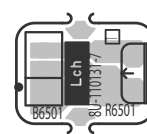


**(FOIL SIDE)**

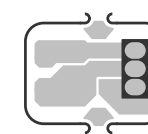


**8U-110131-7**

**(COMPONENT SIDE)**

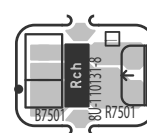


**(FOIL SIDE)**

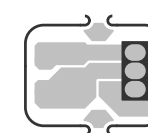


**8U-110131-8**

**(COMPONENT SIDE)**



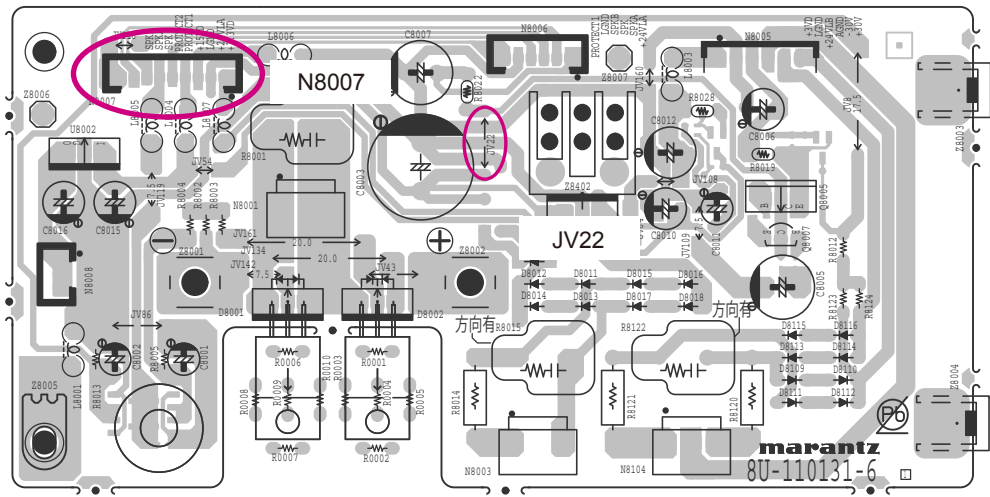
**(FOIL SIDE)**



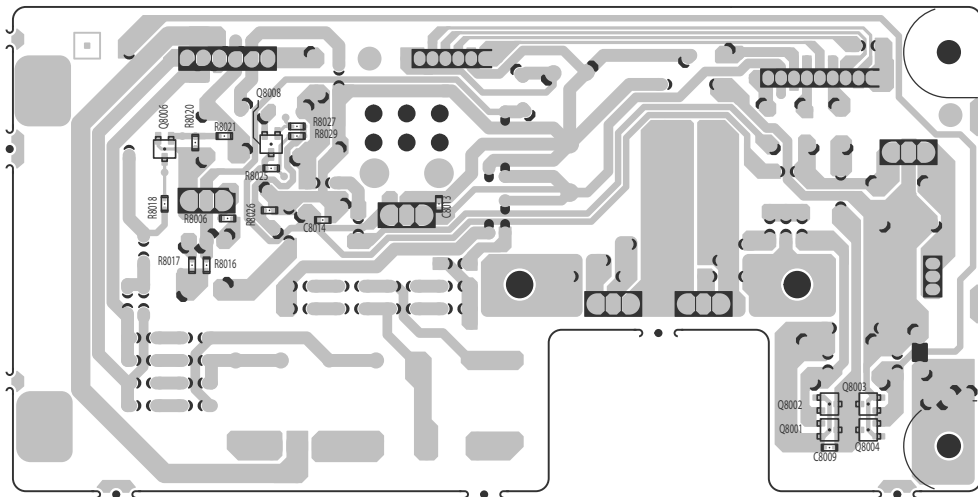
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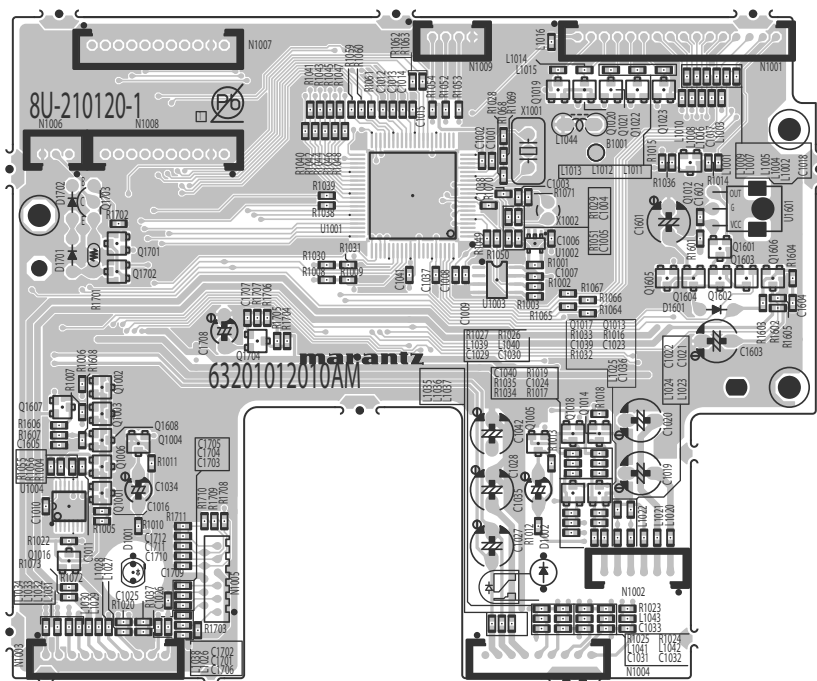
8U-110131-6  
(COMPONENT SIDE)



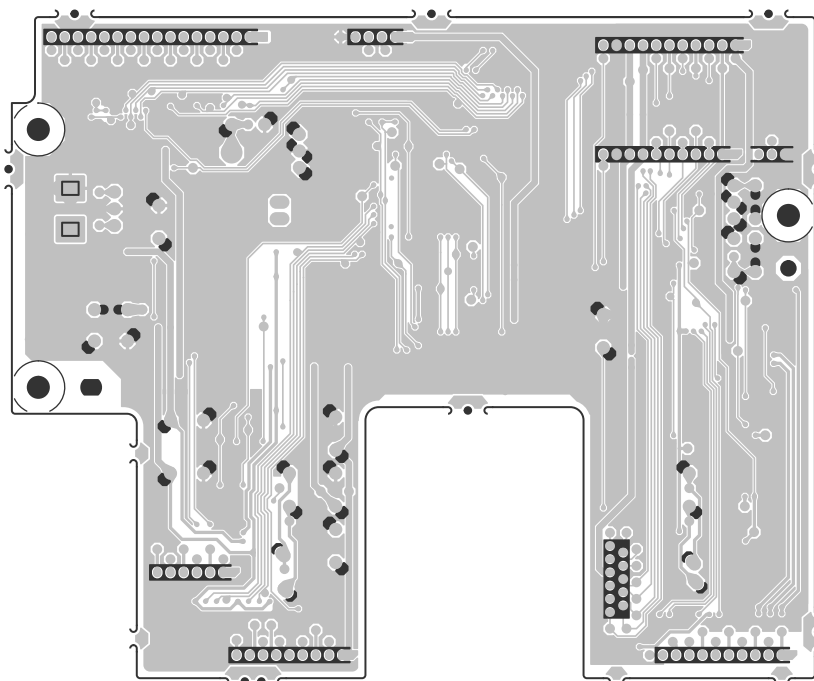
8U-110131-6  
(FOIL SIDE)



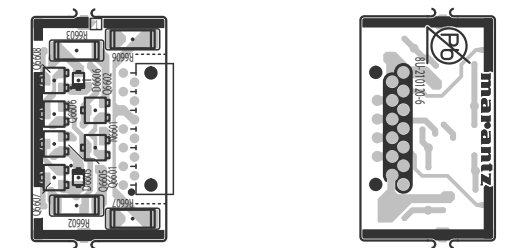
8U-210120-1  
(COMPONENT SIDE)



8U-210120-1  
(FOIL SIDE)



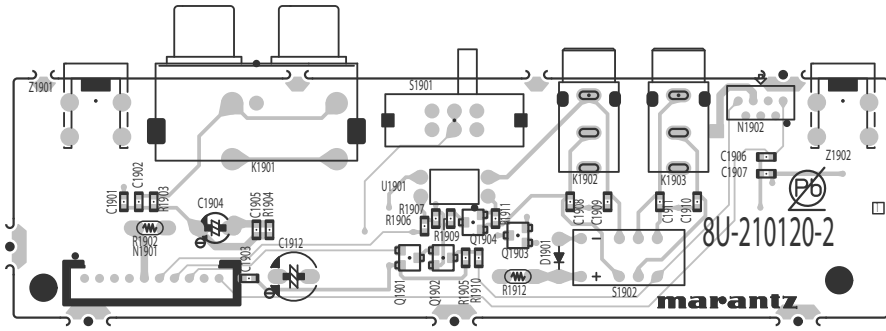
8U-210120-6  
(COMPONENT SIDE) (FOIL SIDE)



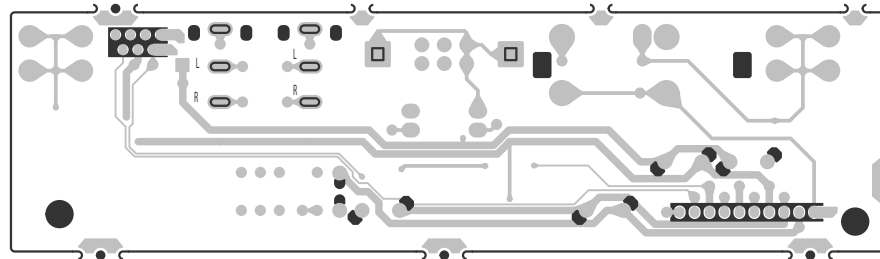
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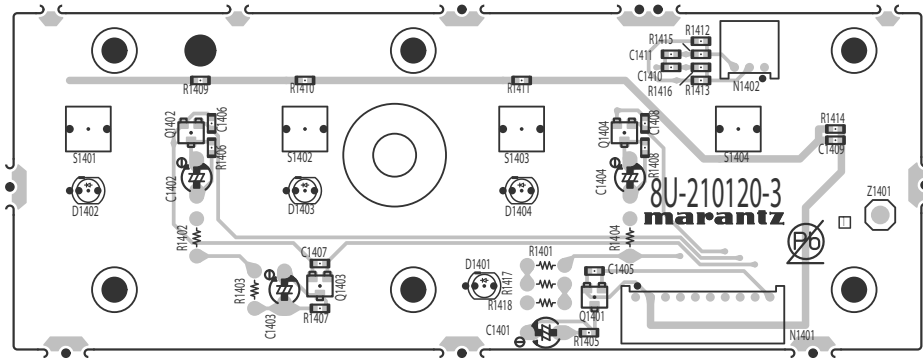
8U-210120-2  
(COMPONENT SIDE)



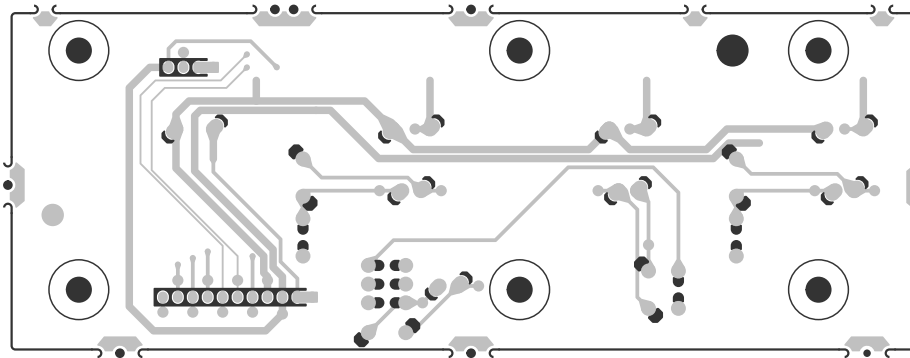
8U-210120-2  
(FOIL SIDE)



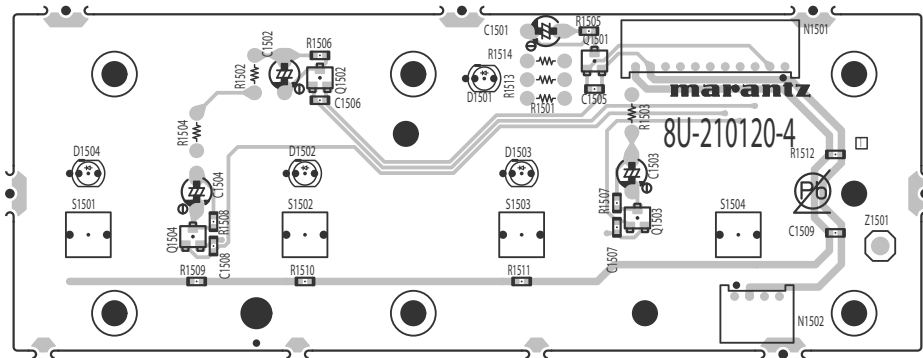
8U-210120-3  
(COMPONENT SIDE)



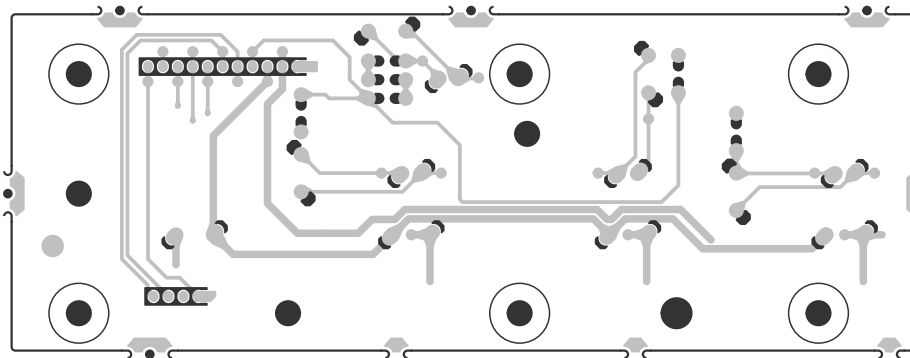
8U-210120-3  
(FOIL SIDE)



8U-210120-4  
(COMPONENT SIDE)

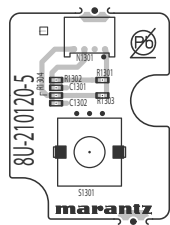


8U-210120-4  
(FOIL SIDE)

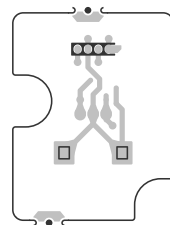


8U-210120-5

(COMPONENT SIDE)

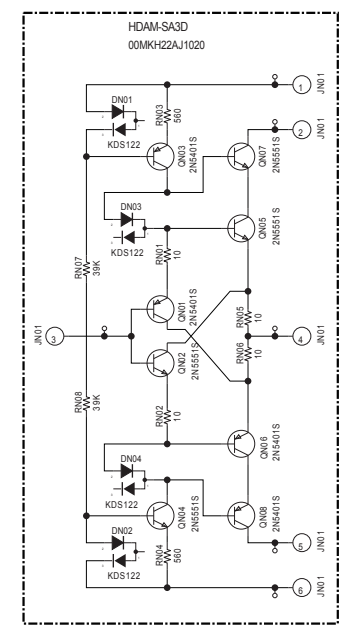
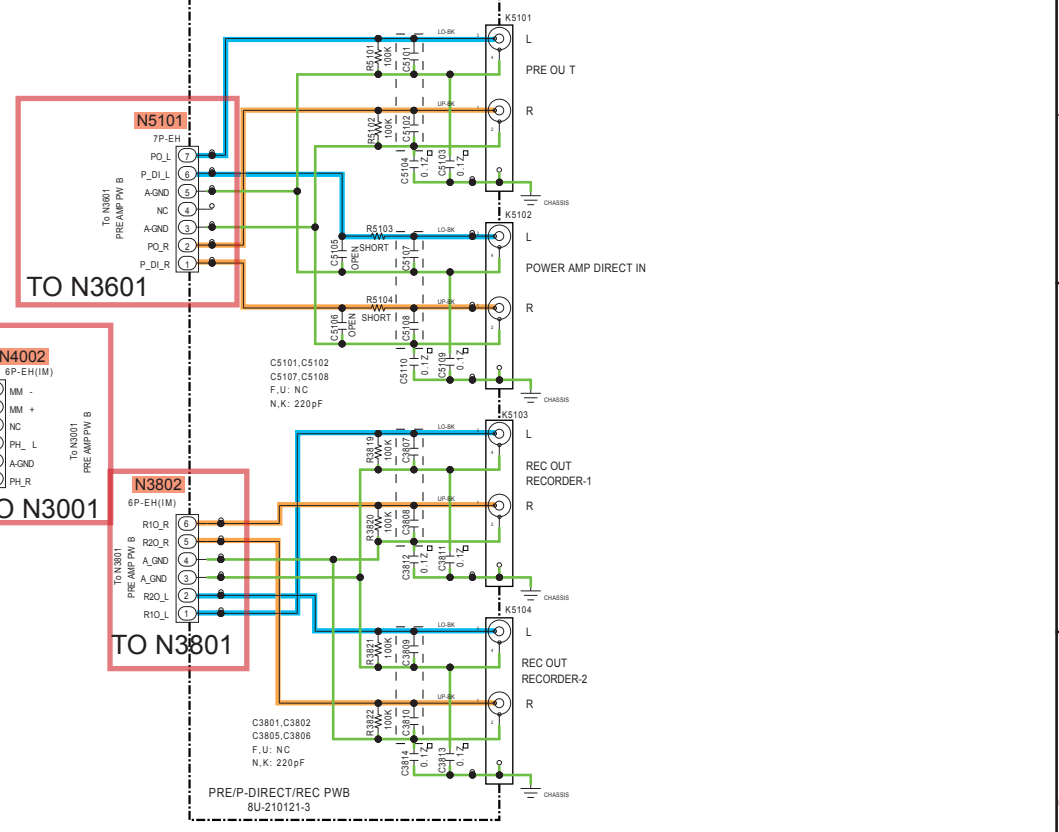
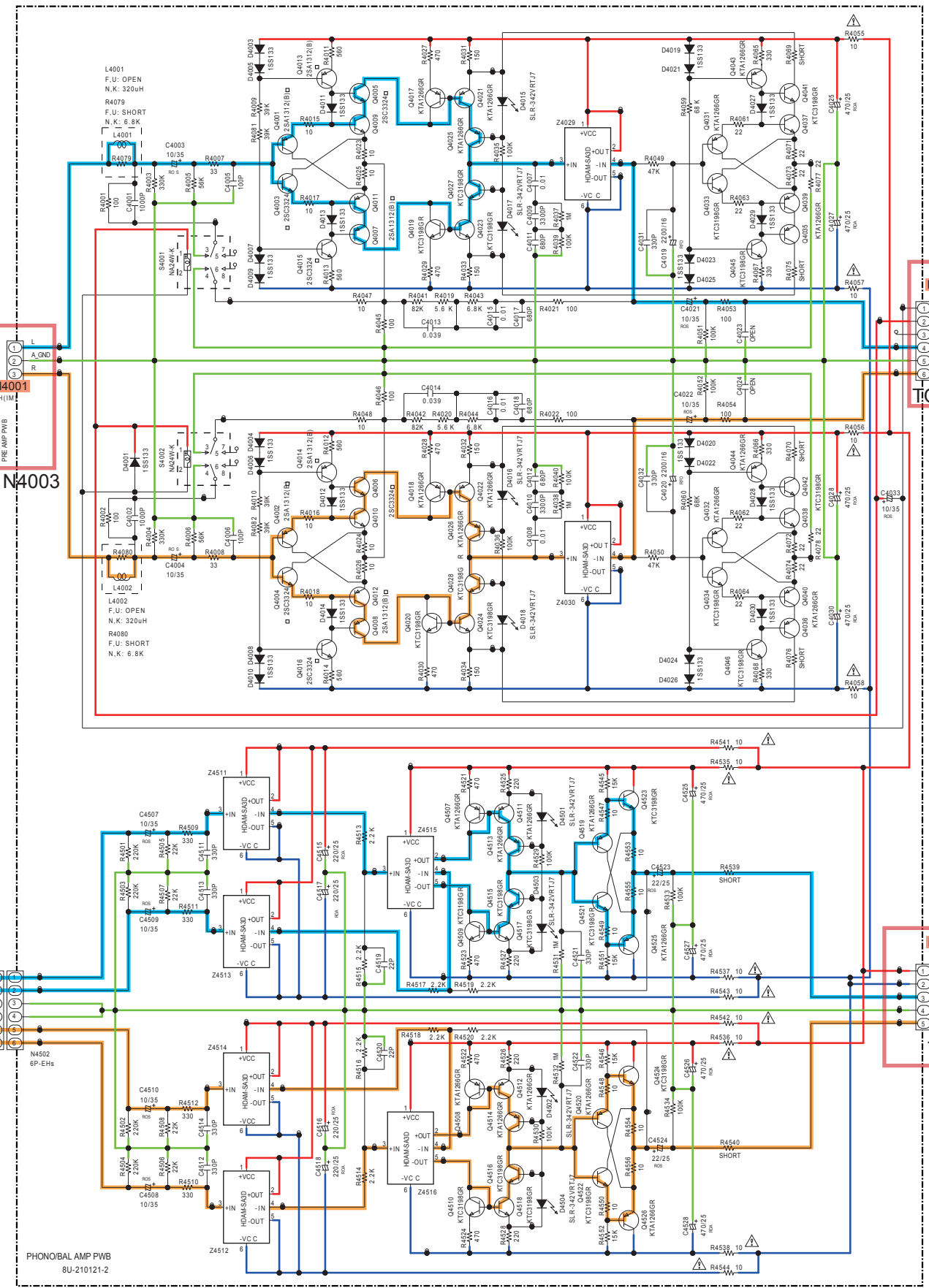
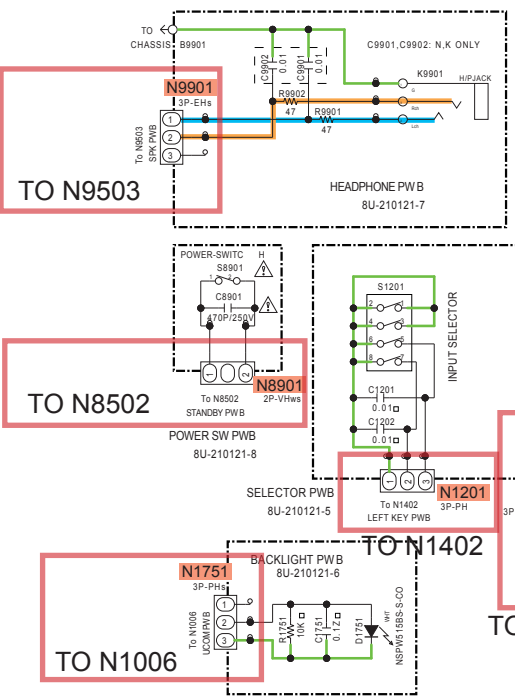


(FOIL SIDE)



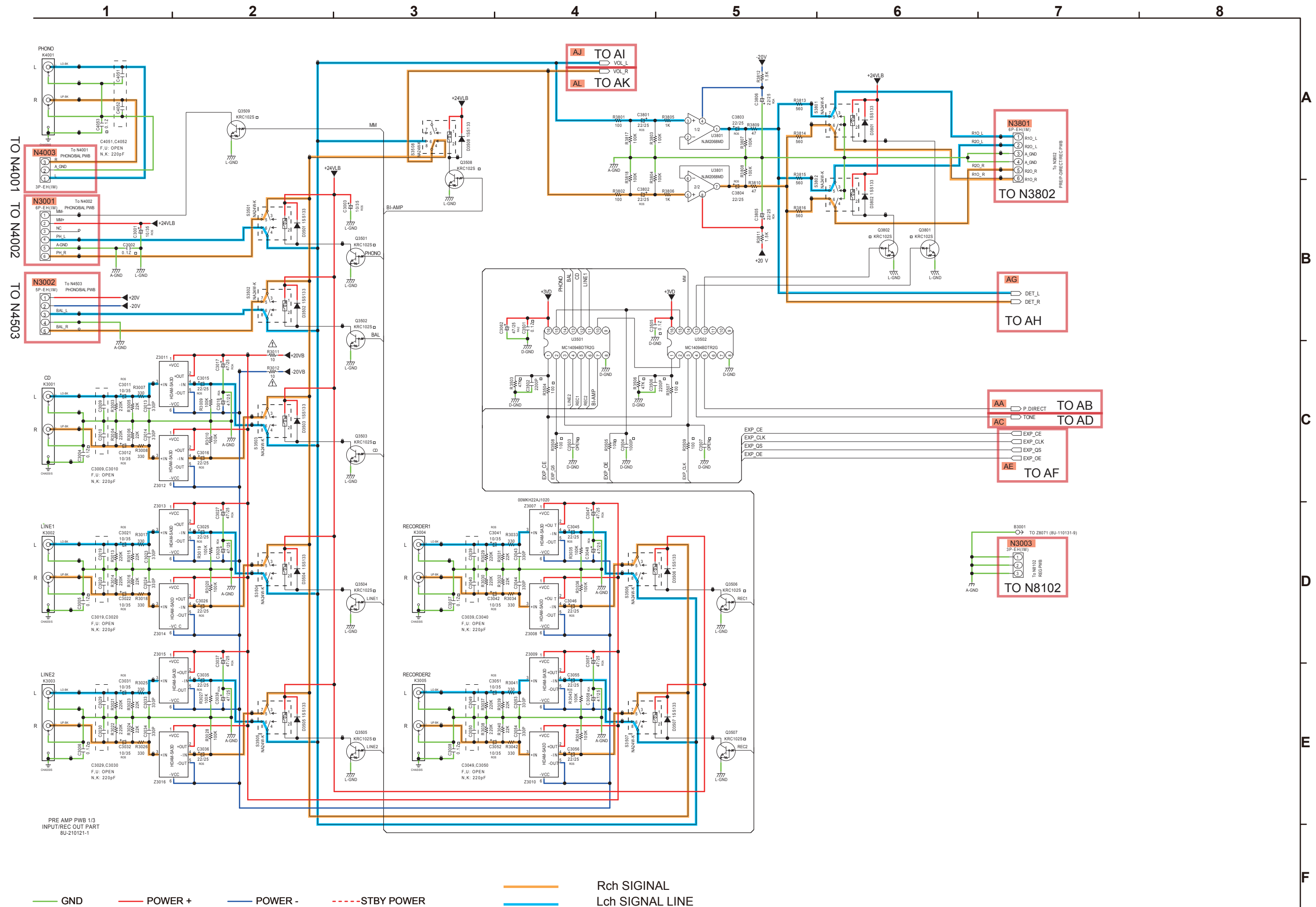
**鉛フリー半田**  
半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。

**Lead-free Solder**  
When soldering, use the Lead-free Solder (Sn-Ag-Cu).



— GND    — POWER +    — POWER -    - - - STBY POWER

— Rch SIGNAL  
— Lch SIGNAL LINE

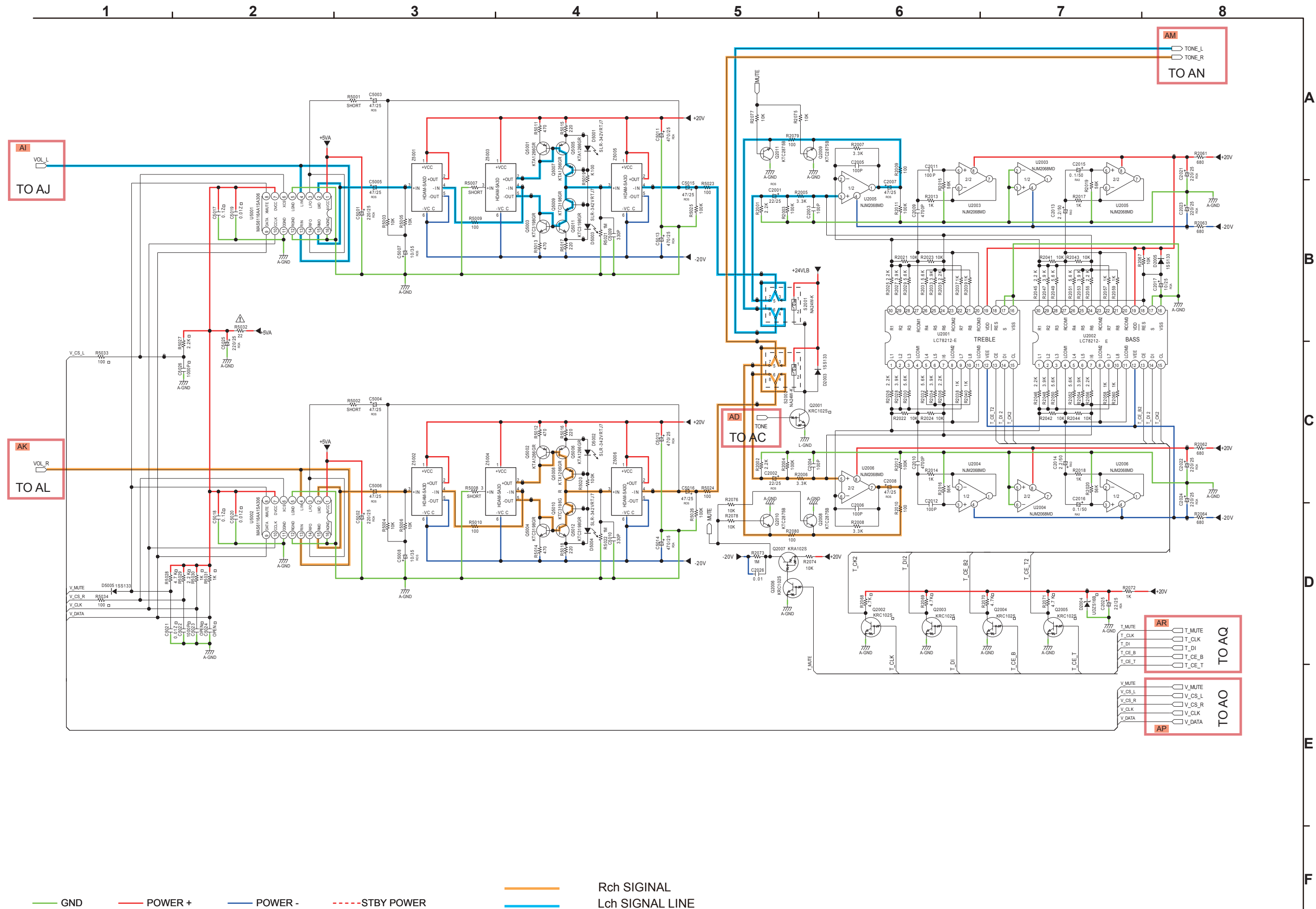


PRE AMP PWB 1/3  
INPUT/REC OUT PART  
8U-210121-1

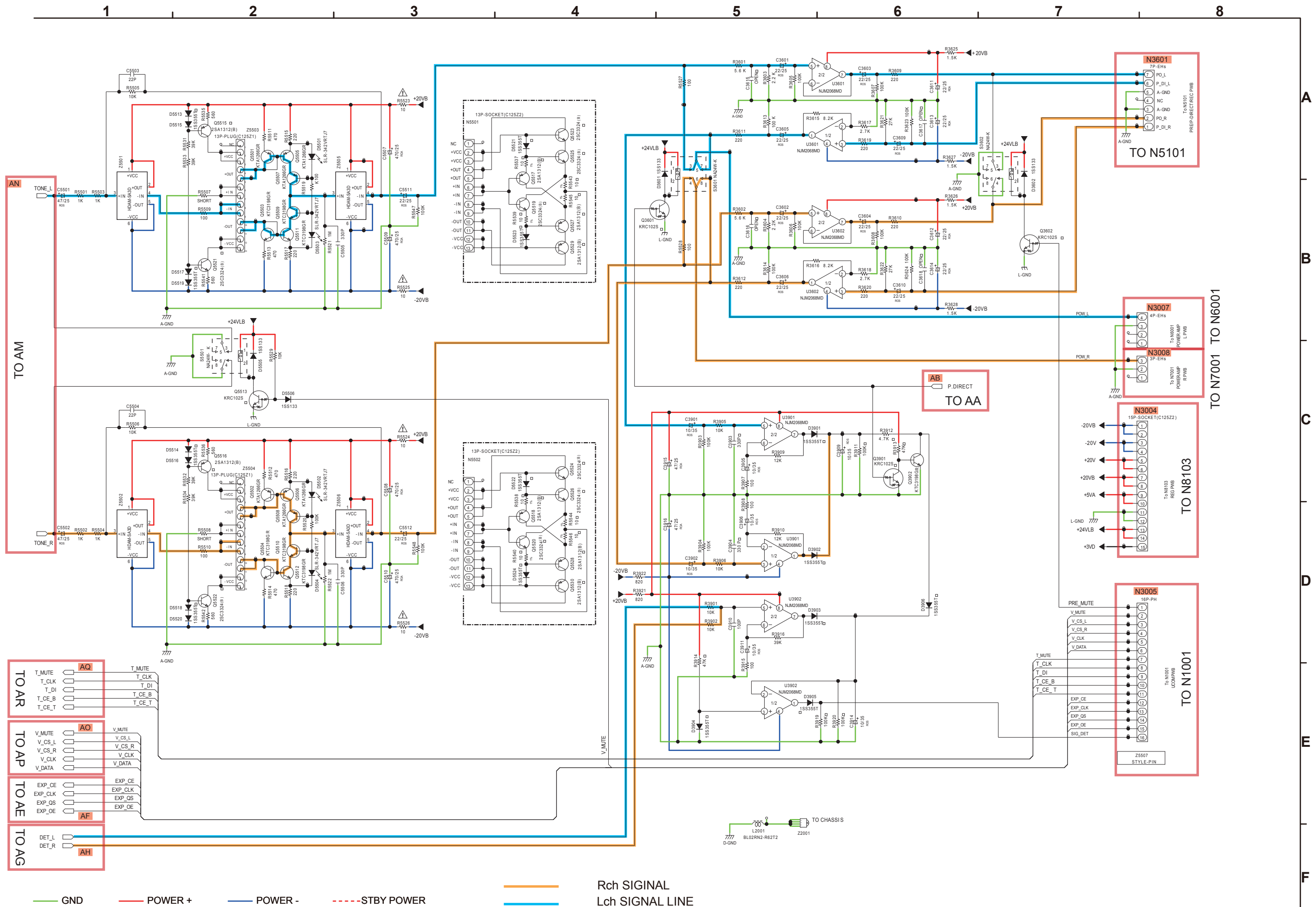
— GND   
 — POWER +   
 — POWER -   
 — STBY POWER   
 — Rch SIGNAL   
 — Lch SIGNAL LINE

**SCHEMATIC DIAGRAMS (2/8)**  
bd210121\_3

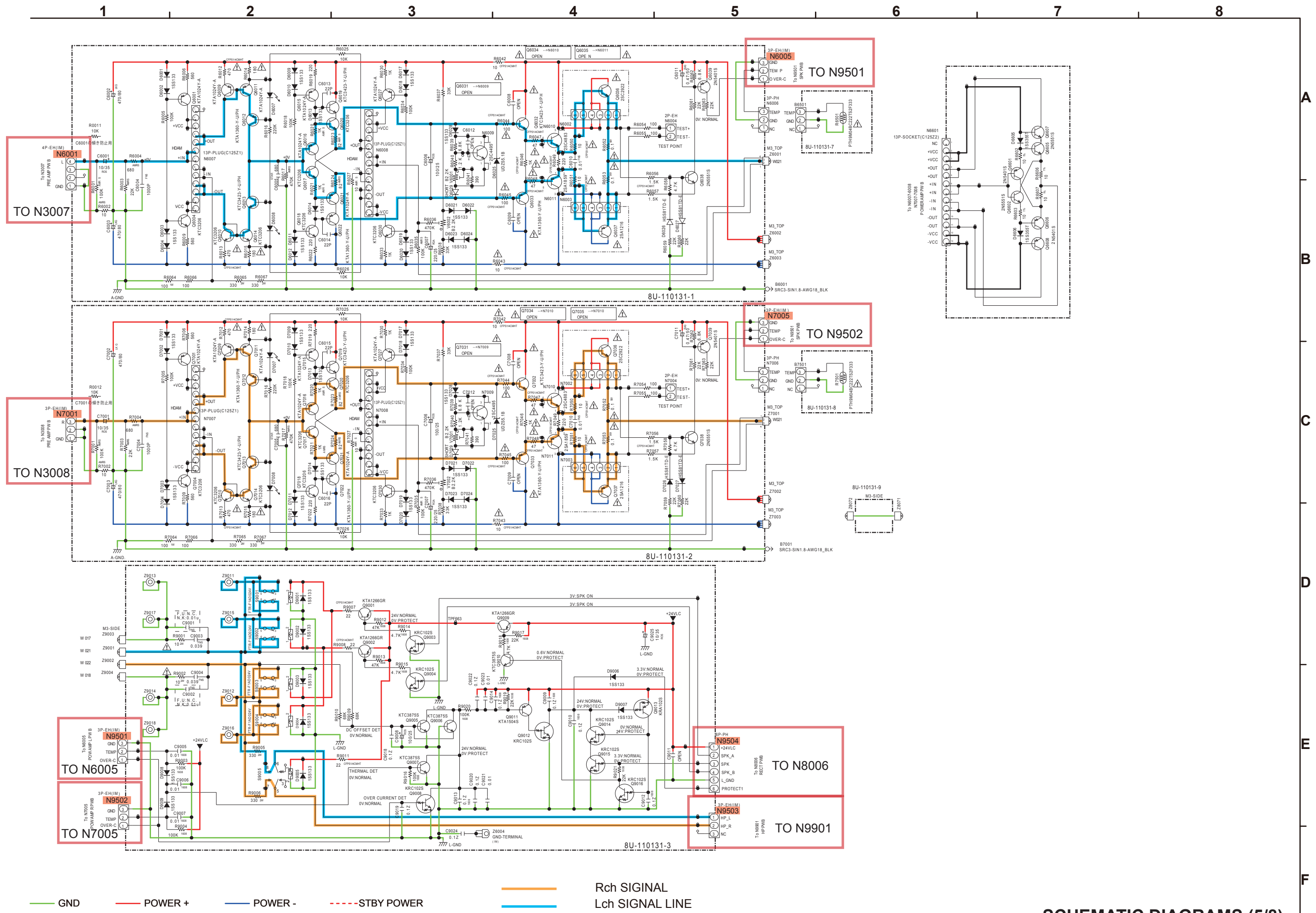




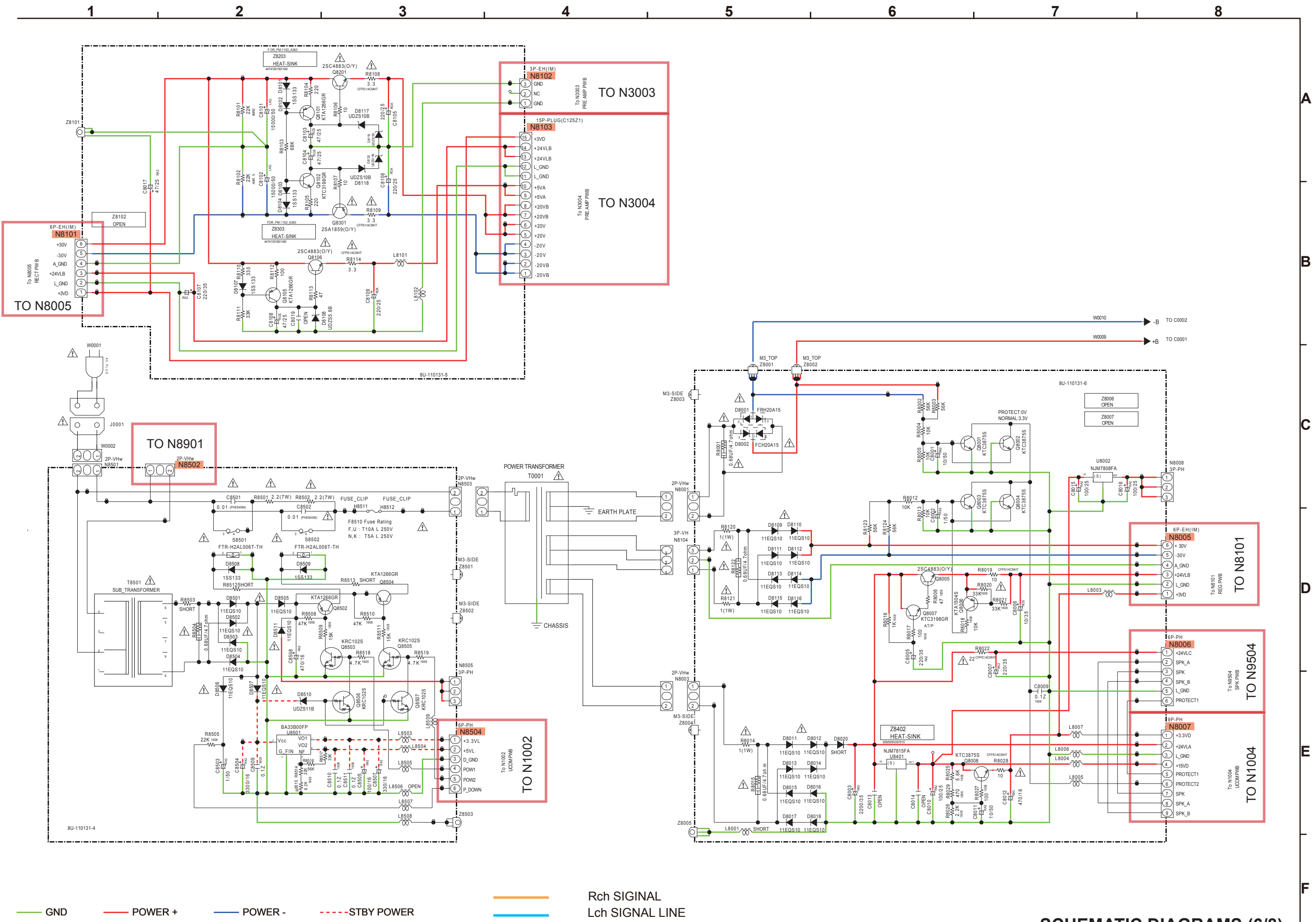
**SCHEMATIC DIAGRAMS (3/8)**  
bd210121\_4



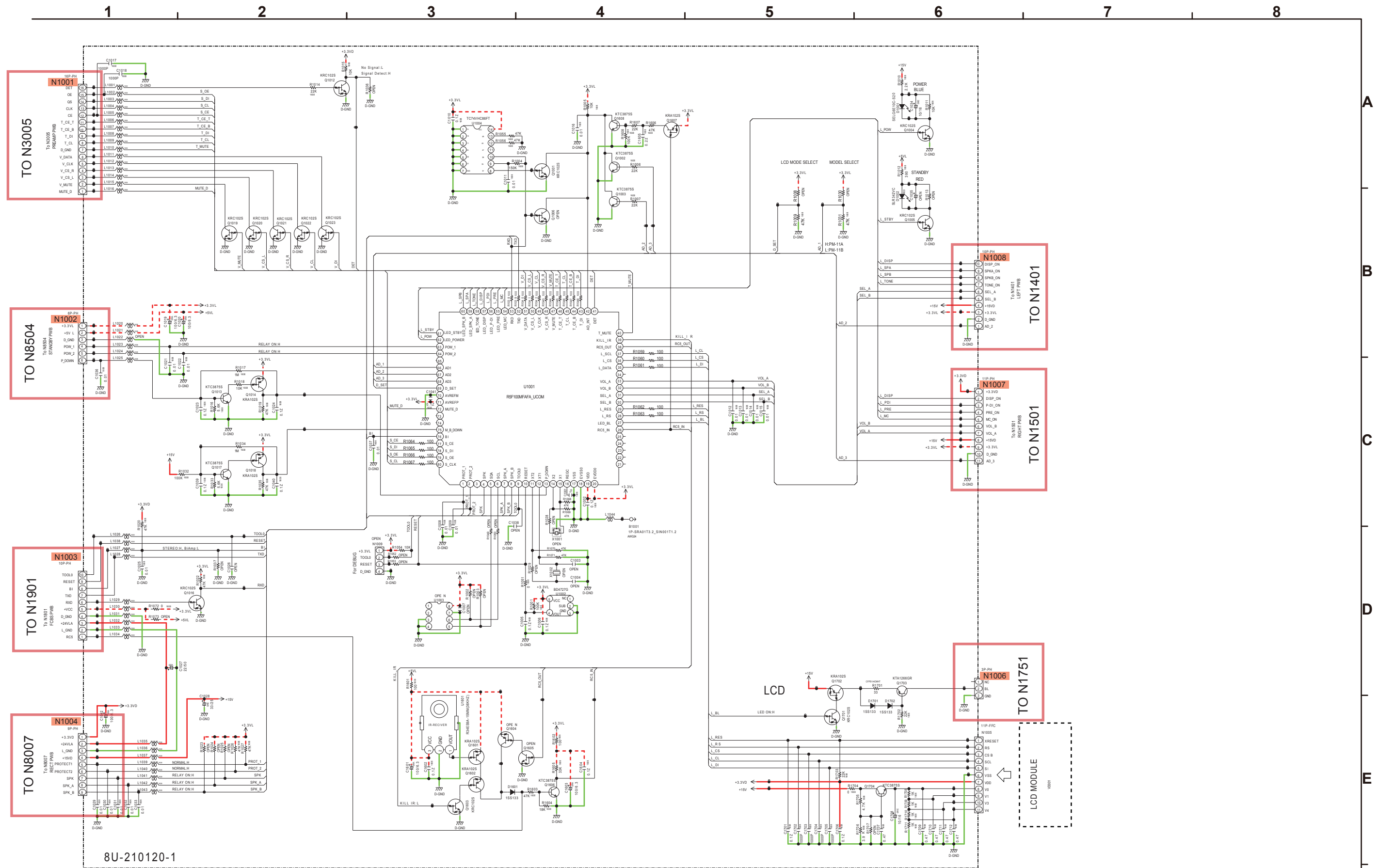
**SCHEMATIC DIAGRAMS (4/8)**  
bd210121\_5



**SCHEMATIC DIAGRAMS (5/8)**  
bd110131\_2



**SCHEMATIC DIAGRAMS (6/8)**  
bd11013

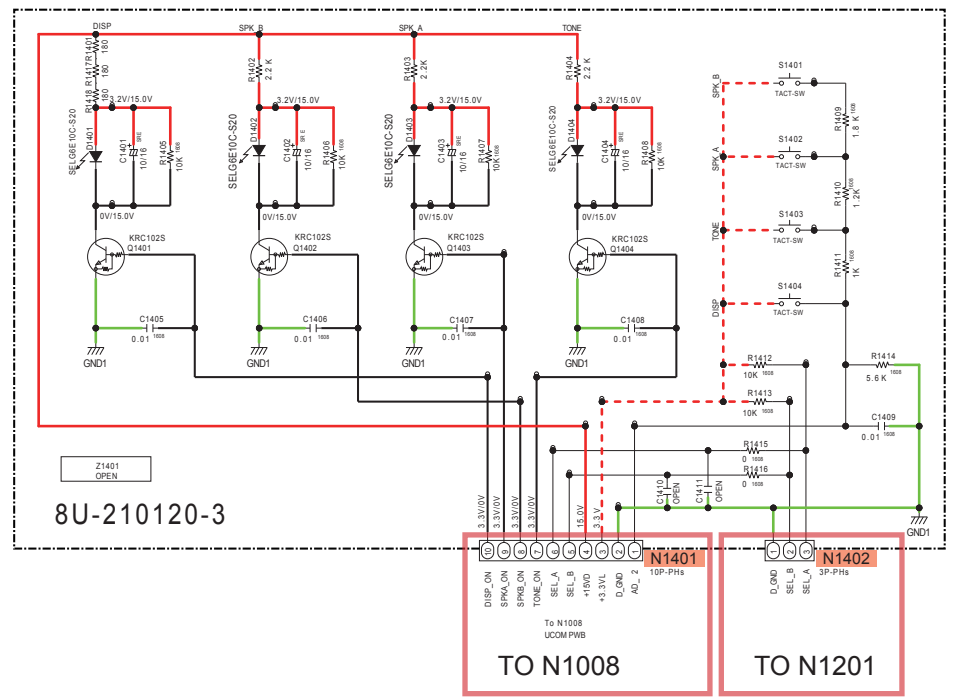
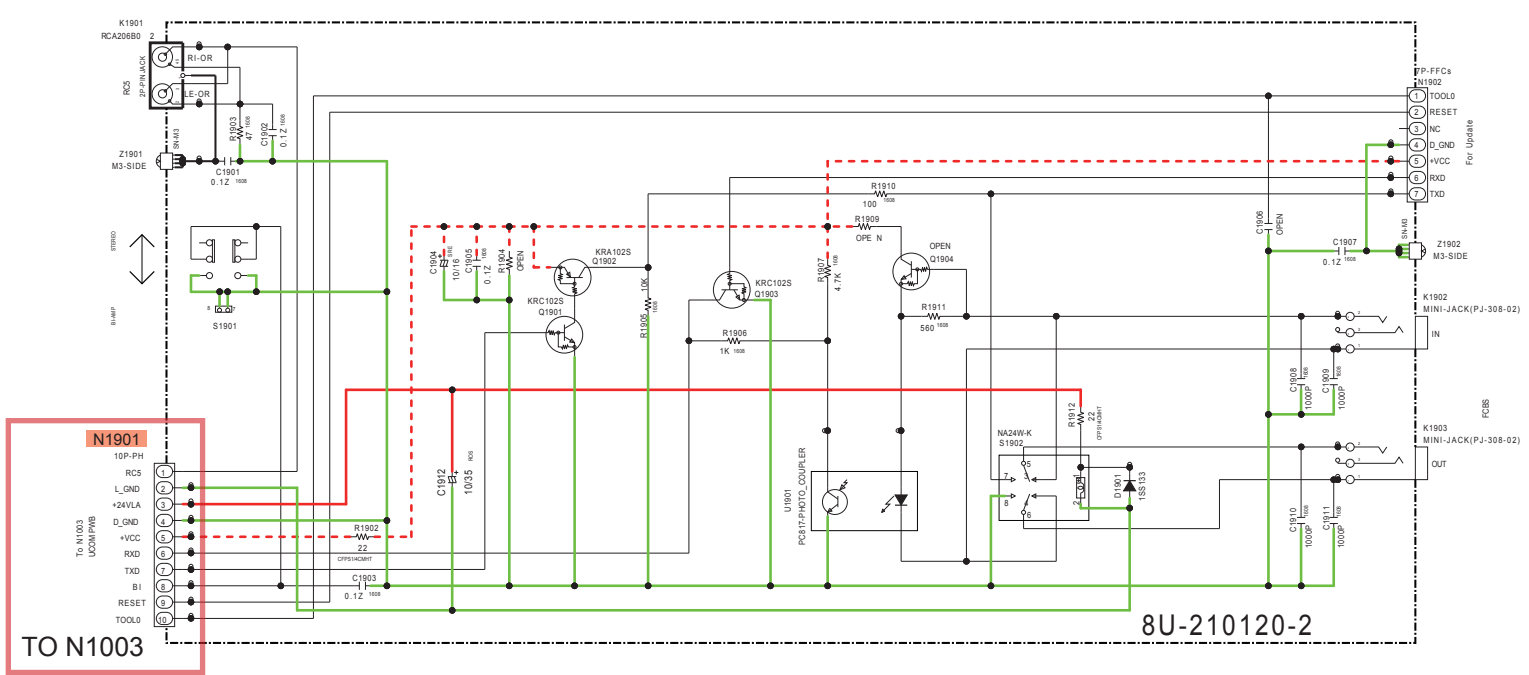


8U-210120-1

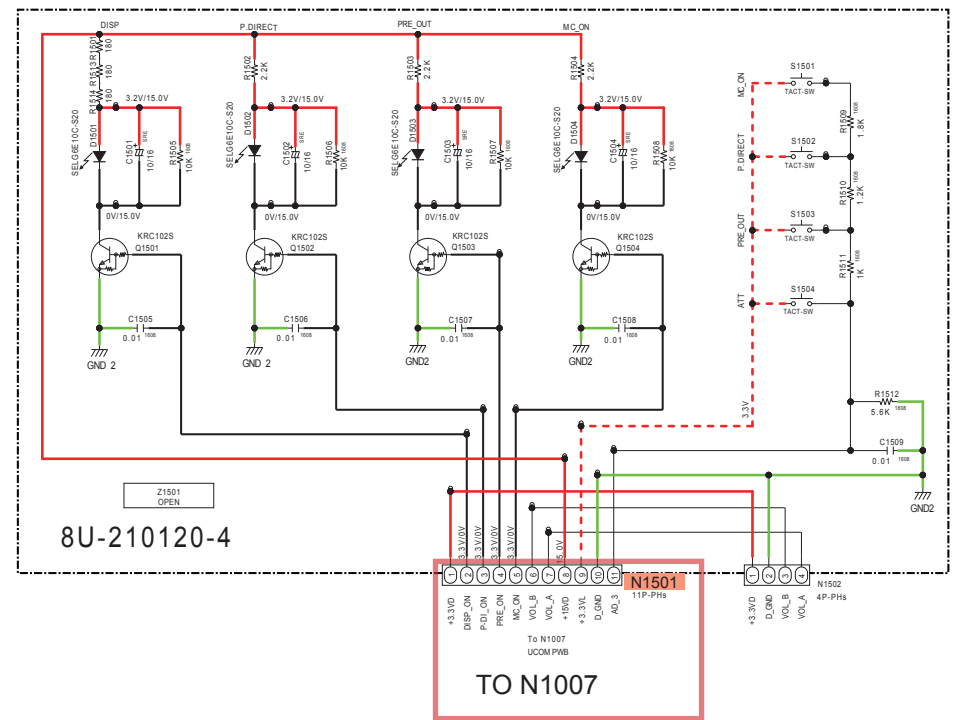
— GND    — POWER +    — POWER -    - - - STBY POWER

— Rch SIGNAL  
— Lch SIGNAL LINE

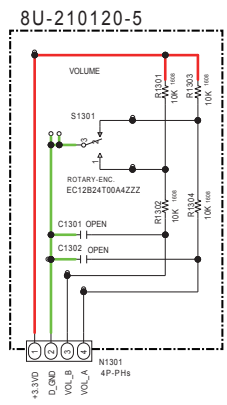
**SCHEMATIC DIAGRAMS (7/8)**  
bd210120\_1



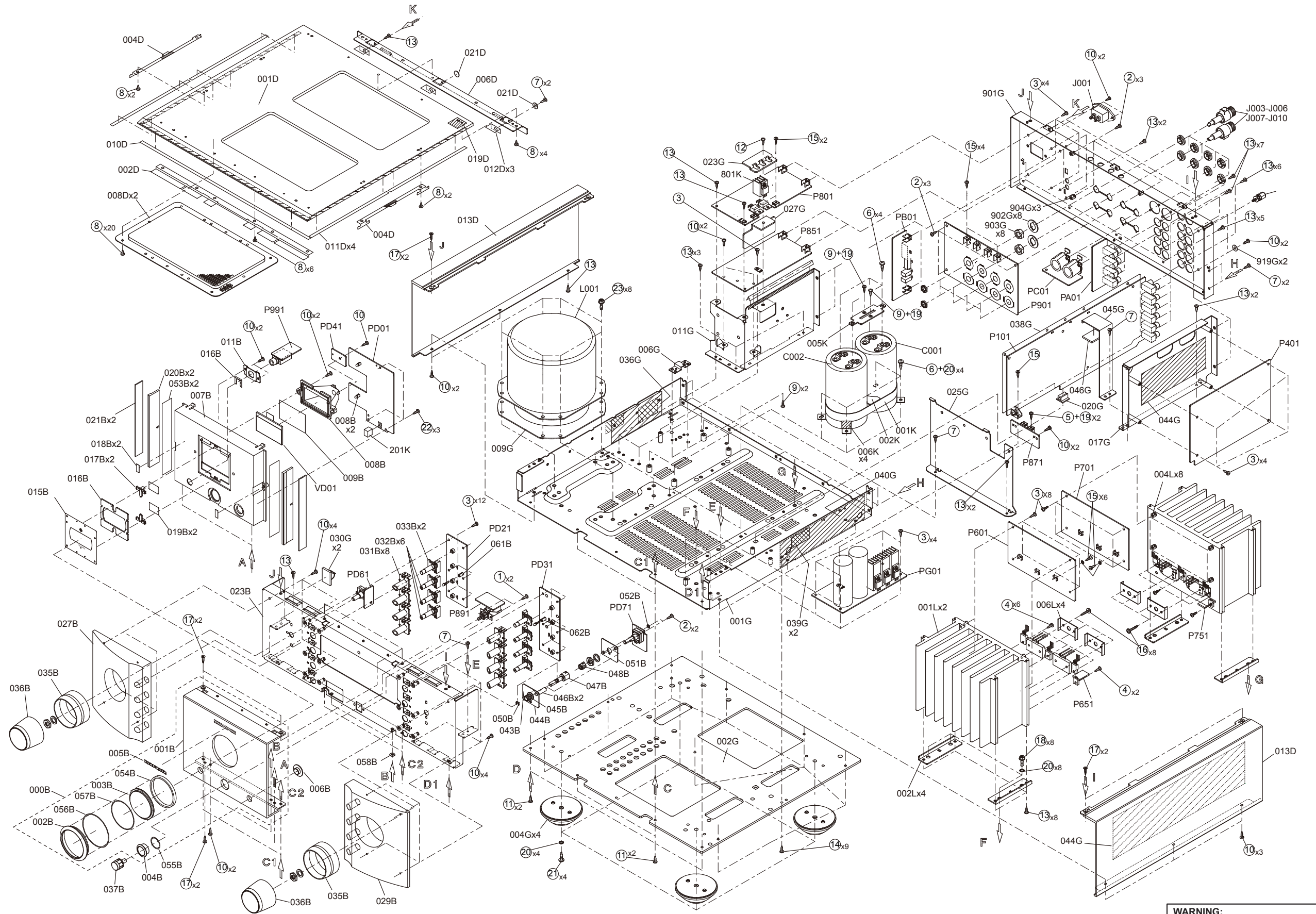
AD_2	
DISPLAY	3.3V
TONE	2.7V
SPK 1	2.2V
SPK 2	1.8V




AD_3	
ATT	3.3V
PRE OUT	2.7V
REC OUT	2.2V
MC ON	1.8V



# EXPLODED VIEW



**WARNING:**  
Parts marked with this symbol  have critical characteristics.  
Use **ONLY** replacement parts recommended by the manufacturer.

Personal notes:

Personal notes:



# PARTS LIST OF EXPLODED VIEW

\*Parts indicated by "nsp" on this table cannot be supplied.

\*PCB ASS'Y indicated by "nsp" on this table cannot be supplied. When repairing the PCB ASS'Y, check the board parts list and order replacement parts.

\*Parts indicated by the "★" mark are not illustrated in the exploded view.

\*The parts listed below are only for maintenance. Therefore they might differ from the parts used in the unit in appearances or dimensions.

**NOTE:** The symbols in the column "Remarks" indicate the following destinations.

U : North America model

N : Europe model

K : China model

F : Japan model

B : Black model

G : Silver gold model

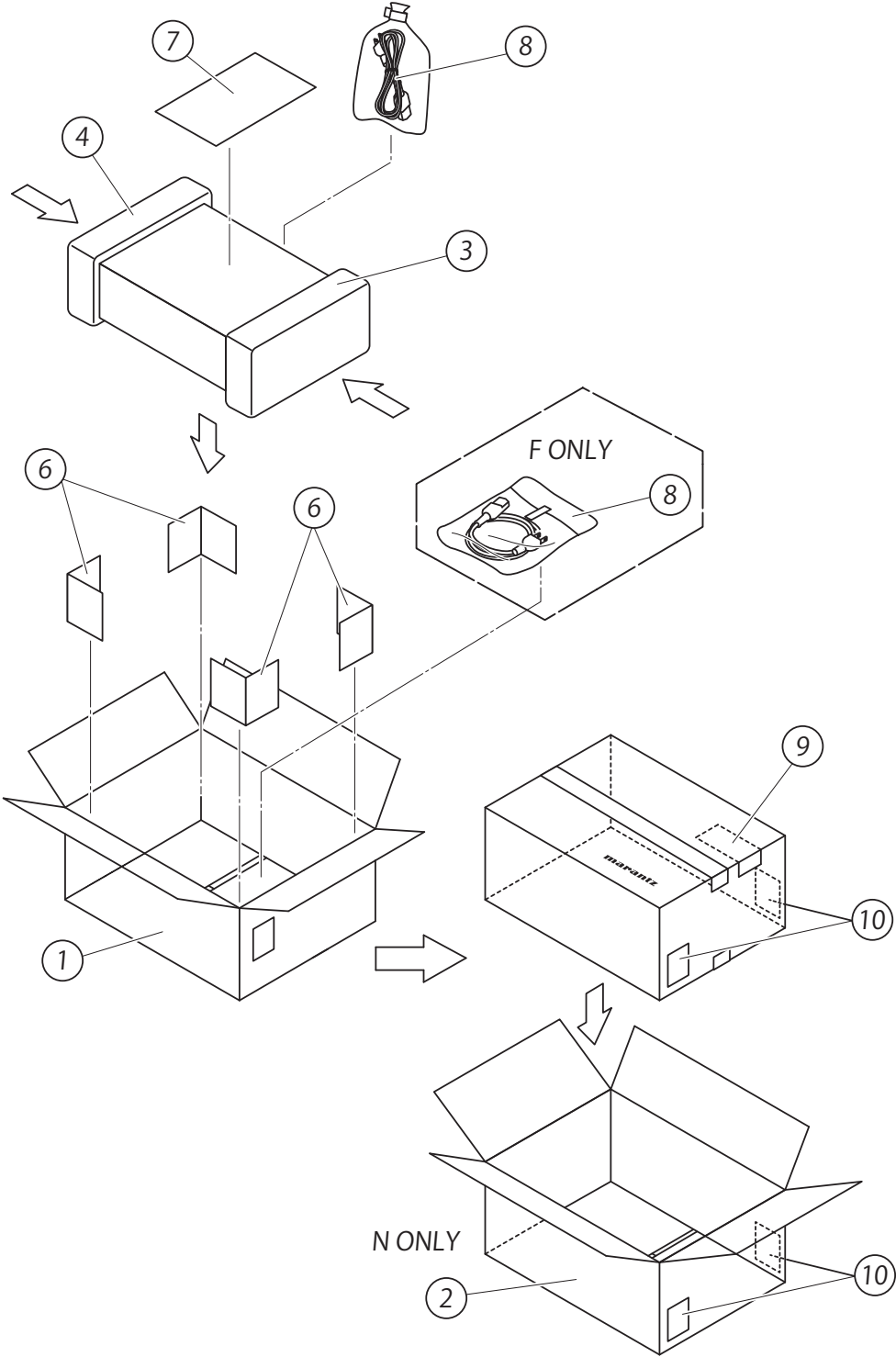
Ref No.	Part No.	Part Name	Remarks	Q'ty	New
	P101	nsp	PRE AMP PWB ASSY		
	P401	nsp	PHONO/BALANCE PWB ASSY		
	P601	nsp	L CH POWER AMP PWB ASSY		
	P651	nsp	L CH POSISTOR PWB ASSY		
	P701	nsp	R CH POWER AMP PWB ASSY		
	P751	nsp	R CH POSISTOR PWB ASSY		
	P801	nsp	POWER SUPPLY PWB ASSY		
	P851	nsp	SOFT START PWB ASSY		
	P871	nsp	GND TO CHASSIS PWB ASSY		
	P891	nsp	POWER SWITCH PWB ASSY		
	P901	nsp	SPEAKER OUT PWB ASSY		
	P991	nsp	HEAD PHONE PWB ASSY		
	PA01	nsp	PRE/P-DIRECT/REC PWB ASSY		
	PB01	nsp	BUS INTERFACE PWB ASSY		
	PC01	nsp	BALANCE INPUT PWB ASSY		
	PD01	nsp	U-COM PWB ASSY		
	PD21	nsp	TACT SWITCH LEFT PWB ASSY		
	PD31	nsp	TACT SWITCH RIGHT PWB ASSY		
	PD41	nsp	BACK LIGHT PWB ASSY		
	PD61	nsp	SELECTOR PWB ASSY		
	PD71	nsp	VOLUME PWB ASSY		
	PG01	nsp	REGULATOR PWB ASSY		
	001B	00M04AJ248120	FRONT PANEL GL PM-11S3 A363	N1G, FN, K1G	1 *
	001B	00M04AJ248020	FRONT PANEL BL PM-11S3 A363	N1B, U1B	1 *
	001D	40341005901AM	TOP COVER GL PM-11S3 A363	N1G, FN, K1G	1 *
	001D	40341005900AM	TOP COVER BL PM-11S3 A363	N1B, U1B	1 *
	001G	nsp	MAIN CHASSIS		1
	001K	nsp	O63.5 RETAINER (CU) BLSC-641		1
	001L	nsp	MAIN HEATSINK		2
	002B	00M04AJ353150	RING WINDOW PM-11S3 GL N A363	N1G	1 *
	002B	00M04AJ353020	RING WINDOW PM-11S3 BL A363	N1B, U1B	1 *
	002B	00M04AJ353120	WINDOW RING (GL)	FN, K1G	1
	002D	nsp	RETAINER TOPCOVER FRONT		1
	002G	nsp	BOTTOM LID		1
	002K	nsp	SPACER CONDENSER PM-11S3		1 *
	002L	nsp	MAIN HEATSINK BRACKET		4
	003B	00M04AJ158010	WINDOW		1
	004B	00M04AJ353130	POWER BUTTON RING (GL)	N1G, FN, K1G	1
	004B	00M04AJ353030	POWER BUTTON RING BLACK	N1B, U1B	1
	004D	nsp	RETAINER TOPCOVER SIDE		2
	004G	00M04AJ057512	LEGS(GOLD)	N1G, FN, K1G	4
	004G	00M04AJ057522	LEGS(SILVER)	N1B, U1B	4
	004L	nsp	STUD M3 9mm		8

Ref No.	Part No.	Part Name	Remarks	Q'ty	New
005B	00M04AJ251010	BADGE (MARANTZ)		1	
005K	nsp	CONTACTER		1	
006B	00M256J355032	IR LENS	N1G, FN, K1G	1	
006B	00M256J355043	IR LENS (BL) A363	N1B, U1B	1	*
006D	nsp	RETAINER TOPCOVER REAR CP		1	
006G	nsp	STOPPER		1	
006K	nsp	SHEET FOR CHEMICON RETAINER 001K		4	
006L	nsp	TR COVER		4	
007B	nsp	FRONT MOLD CHASSIS PM11S3 A363		1	
008B	nsp	LCD HOLDER		1	
008D	43731001801AM	TOP COVER NET GL PM-11S3		2	*
008D	43731001800AM	TOP COVER NET BL PM-11S3	N1B, U1B	2	*
009B	nsp	LCD MASK		1	
009G	nsp	TRANS SPACER		1	
010D	00M04AJ107060	SHEET PET 370X10 T0.1		1	
011B	nsp	HEAD PHONE BRACKET		1	
011D	00M04AJ107080	SHEET PET 175X5 T0.1		2	
011G	nsp	LEFT SIDE BRACKET		1	
012D	nsp	TOPCOVER REAR SHEET		3	
013D	40441004201AM	SIDE PANEL ASSY GL PM-11S3	N1G, FN, K1G	1	*
013D	40441004200AM	SIDE PANEL ASSY BL PM-11S3	N1B, U1B	1	*
015B	42341002307AM	INDICATOR BL A1070P T0.5 PM-11S3 A363		1	*
016B	00M04AJ056110	LCD ESC.BUFFER		1	
017B	42351003200AM	LENS LCD ESC. PM-11S3		2	*
017G	nsp	RIGHT SIDE BRACKET		1	
018B	00M04AJ303020	LCD LENS MASK		2	
019B	00M04AJ303030	SIDE LENS LED MASK		2	
019D	544510081006M	LABEL (HOT SURFACE CAUTION)		1	
020B	00M04AJ355032	LENS SIDE		2	
020G	nsp	NIFCO PWB HOLDER #735 66NYLON		1	
021B	00M04AJ056022	SIDE LENS BUFFER		2	
021D	nsp	SPACER		1	
023B	nsp	FRONT METAL CHASSIS		1	
023G	nsp	DIODE SHIELD		1	
025G	nsp	CENTER SHIELD		1	
027B	00M04AJ063110	SIDE ESC.(L/GL)		1	
027B	00M04AJ063020	SIDE ESC.(L/BL) PM-11S3 A363		1	*
027G	nsp	PRE DIODE HEATSINK		1	
029B	00M04AJ063130	SIDE ESC.(R/GL) PM-11S3 A363	N1G, FN, K1G	1	*
029B	00M04AJ063030	SIDE ESC.(R/BL) PM-11S3 A363	N1B, U1B	1	*
031B	00M04AJ259210	FUNCTION BUTTON BUSH GOLD	N1G, FN, K1G	8	
031B	00M04AJ259010	BUTTON BUSH BLACK	N1B, U1B	8	
032B	00M04AJ270140	FUNCTION BUTTON MILKY GL	N1G, FN, K1G	6	*
032B	00M04AJ270040	FUNCTION BUTTON MILKY BL	N1B, U1B	6	*
033B	00M04AJ270130	FUNCTION BUTTON (GL)	N1G, FN, K1G	2	
033B	00M04AJ270030	FUNCTION BUTTON BLACK	N1B, U1B	2	
035B	00M04AJ353112	RING MASTER KNOB GL	N1G, FN, K1G	2	
035B	00M04AJ353012	RING MASTER KNOB BL	N1B, U1B	2	
036B	00M10AJ154110	MASTER KNOB (GL)	N1G, FN, K1G	2	
036B	00M10AJ154010	VOLUME KNOB BLACK	N1B, U1B	2	
036G	nsp	CHASSIS L SIDE SHEET		1	
037B	00M04AJ270110	POWER BUTTON (GL)	N1G, FN, K1G	1	
037B	00M04AJ270010	POWER BUTTON BLACK	N1B, U1B	1	

Ref No.	Part No.	Part Name	Remarks	Q'ty	New
	038G	nsp	INPUT PCB SHIELD	1	
	039G	nsp	SHEET DAMPER	2	
	040G	nsp	INSULATOR PM-11S2 04AJ	1	
	043B	nsp	BRACKET KIT	1	
	044B	nsp	BRACKET (FRONT)	1	
	044G	nsp	SHEET BRACKET R	1	
	045B	nsp	COLLAR	1	
	045G	nsp	BRACKET INPUT PWB	1	
	046B	nsp	STUD	2	
	046G	nsp	BUFFER BRACKET	1	
	047B	nsp	VOLUME SHAFT	1	
	048B	nsp	VOLUME BUSH	1	
	050B	nsp	STOPPER	1	
	051B	nsp	BRACKET (BACK)	1	
	052B	nsp	SPACER	1	
	053B	00M04AJ107050	SIDE LENS BACK SIDE SHEET	2	
	054B	00M04AJ353140	WINDOW INNER RING (GOLD)	1	
	054B	00M04AJ353050	WINDOW INNER RING (BLACK)	1	
	055B	00M04AJ122010	POWER RING FIX ADHESIVE	1	
	056B	00M04AJ122020	WINDOW FIXING ADHESIVE	1	
	057B	00M04AJ122030	WINDOW FIX ADHESIVE	1	
	058B	nsp	D=10-4.2 0.8T+NONI FIBER W.	4	
	901G	nsp	REAR PANEL PM-11S3 (N) A363	N1B, N1G	1 *
	901G	nsp	REAR PANEL PM-11S3 (U) A363	U1B	1 *
	901G	nsp	REAR PANEL PM-11S3 (K) A363	K1G	1 *
	901G	nsp	REAR PANEL PM-11S3 (F) A363	FN	1 *
	902G	nsp	SP SPACER		8
	903G	nsp	SPEAKER NUT		8
	904G	nsp	SPEAKER PCB STUD		3
	919G	nsp	SPACER		1
	C001	134710170000M	LKGH2223MSGTZT FOR PM11S2		1
	C002	134710170000M	LKGH2223MSGTZT FOR PM11S2		1
	J001	00D2033996008	AC INLET (2P)		1
	J003-J006	nsp	SPKT-100 RED		1 *
	J007-J010	nsp	SPKT-100 WHITE		1 *
⚠	L001	10101013900AM	POWER TRANS (N) A363 (230V)	N1B, N1G,K1G	1 *
⚠	L001	10101014100AM	POWER TRANS (U) A363 (120V)	U1B	1 *
⚠	L001	10101014000AM	POWER TRANS (F) A363 (100V)	FN	1 *
	VD01	173010007005M	DP-0010 LCD FOR PM-15S2		1
<b>SCREWS</b>					
	1	nsp	SCREW		2
	2	nsp	SCREW:CD LID EARTH		8
	3	nsp	SCREW		31
	4	nsp	Bind 3x8 MACHINE (CU)		8
	5	nsp	SCREW 3X10 (+)BH MS CU CLEAR		2
	6	nsp	SCREW		8
	7	nsp	Bind 3x8 B Tite FW (CU)		6
	8	nsp	SCREW		34
	9	nsp	Bind 3x6 B Tite (CU)		4
	10	nsp	Bind 3x8 B Tite (CU)		28
	11	nsp	Bind 3x10 B Tite (CU)		4
	12	nsp	Bind 3x12 B Tite (CU)		1

	Ref No.	Part No.	Part Name	Remarks	Q'ty	New
	13	nsp	SCREW		36	
	14	nsp	SCREW		9	
	15	nsp	SCREW		21	
	17	nsp	SCREW		8	
	18	nsp	SCREW		8	
	19	nsp	Tooth Washer 3mm (CU)		4	
	20	nsp	Tooth Washer 4mm (CU)		20	
	21	nsp	4X20 CBTS (S)-B		4	
	22	nsp	3X10 CBTS (P)-CU		3	
	23	nsp	SCREW		8	

**PACKING VIEW**



# PARTS LIST OF PACKING & ACCESSORIES

\*Parts indicated by "nsp" on this table cannot be supplied.

\*Parts indicated by the "★" mark are not illustrated in the packing view.

\*The parts listed below are only for maintenance. Therefore they might differ from the parts used in the unit in appearances or dimensions.

**NOTE:** The symbols in the column "Remarks" indicate the following destinations.

U : North America model

N : Europe model

K : China model

F : Japan model

B : Black model

G : Silver gold model

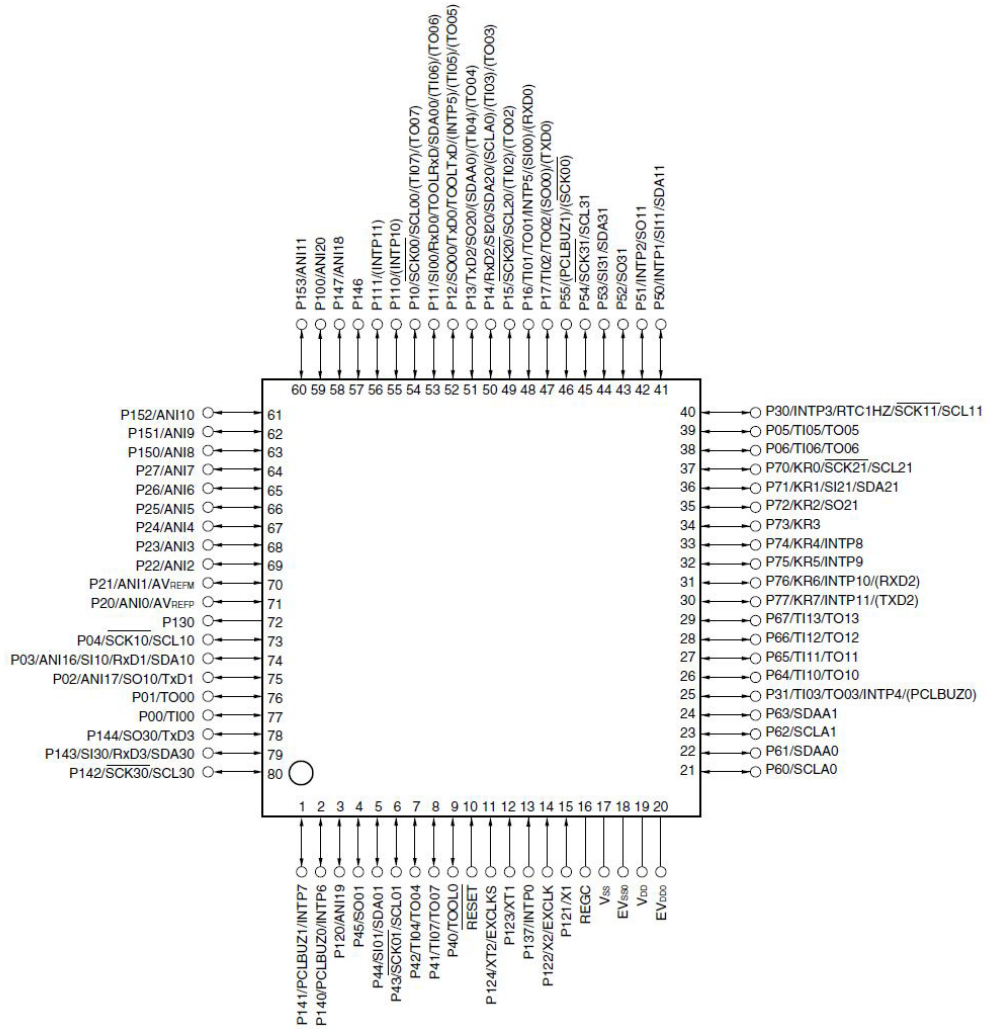
Ref No.	Part No.	Part Name	Remarks	Q'ty	New
1	53121022100AM	PACKING CASE PM-11S3 A363	U1B,N1B,N1G,FN	1	*
1	53121022110AM	PACKING CASE PM-11S3 A363	K1G	1	*
2	53121022200AM	MASTER CARTON PM-11S3 A363	N1B,N1G	1	*
3	00M04AJ809022	CUSHION (R)		1	*
4	00M04AJ809012	CUSHION (L)		1	*
5	nsp	SHEET (AF+PE)		1	
6	nsp	REINFORCE PM-11S2 04AJ		4	*
7	-	ENVELOPE SUB ASASY (N inst)	N1B, N1G	1	
7-1	nsp	POLYETHY BAG	N1B, N1G	1	
7-2	54111089400AM	INST.MANUAL PM-11S3 (N)	N1B, N1G	1	*
7-3	30701011600AM	RC001PMSA		1	*
7-4	nsp	BATTERY(R03X2)		2	
7	-	ENVELOPE SUB ASASY (U inst)	U1B	1	
7-1	nsp	POLYETHY BAG		1	
7-2	nsp	INST.MANUAL PM-11S3 (U)	U1B	1	*
7-3	nsp	WARRANTY CANADA	U1B	1	
7-4	54311010512AM	WARRANTY USA	U1B	1	
7-5	30701011600AM	RC001PMSA		1	*
7-6	00D3940030001	BATTERY(R03X2)		2	
7	-	ENVELOPE SUB ASASY (K inst)	K1G	1	
7-1	nsp	POLYETHY BAG		1	
7-2	54111089800AM	INST.MANUAL PM-11S3 (K)	K1G	1	*
7-3	30701011600AM	RC001PMSA		1	*
7-4	nsp	BATTERY(R03X2)		2	
7	-	ENVELOPE SUB ASASY (F inst)	FN	1	
7-1	nsp	POLYETHY BAG		1	
7-2	nsp	INST.MANUAL PM-11S3 (F)	FN	1	*
7-3	nsp	USER CARD (F)	FN	1	
7-4	00M416K851233	SHEET SERVICE ADRESS (F)	FN		
7-5	30701011600AM	RC001PMSA		1	*
7-6	nsp	BATTERY(R03X2)		2	
8	-	ENVELOPE SUB ASSY (AC CORD)	N1B,N1G	1	
8-1	nsp	POLY COVER	U1B,N1B,N1G,K1G	1	
△	8-2	00MZC01803080	# 2P AC CORD 10A 250V CLASS2	N1B,N1G	1
8	-	ENVELOPE SUB ASSY (AC CORD)	U1B	1	
8-1	nsp	POLY COVER	U1B,N1B,N1G,K1G	1	
△	8-2	00MZC01803100	# AC CORD UL/CSA 10A 125V	U1B	1
8	-	ENVELOPE SUB ASSY (AC CORD)	K1G	1	
8-1	nsp	POLY COVER	U1B,N1B,N1G,K1G	1	
△	8-2	00D2062249001	AC CORD (E1C)	K1G	1
△	8	61105004200AS	OFC AC CORD SET(H20)	FN	1
9	nsp	WARRANTY FOR CHINA MARANTZ	K1G	1	
9	nsp	WARRANTY F (HOSHOSHOU)	FN	1	
10	nsp	CONTROL LABEL SUB ASSY PM11S3 (N1G)	N1B	1	*
10	nsp	CONTROL LABEL SUB ASSY PM11S3 (N1G)	N1G	2	*
10	nsp	CONTROL LABEL SUB ASSY PM11S3 (U1B)	U1B	1	*
10	nsp	CONTROL LABEL SUB ASSY PM11S3 (K1G)	K1G	1	*
10	nsp	CONTROL LABEL SUB ASSY PM11S3 (FN)	FN	1	*

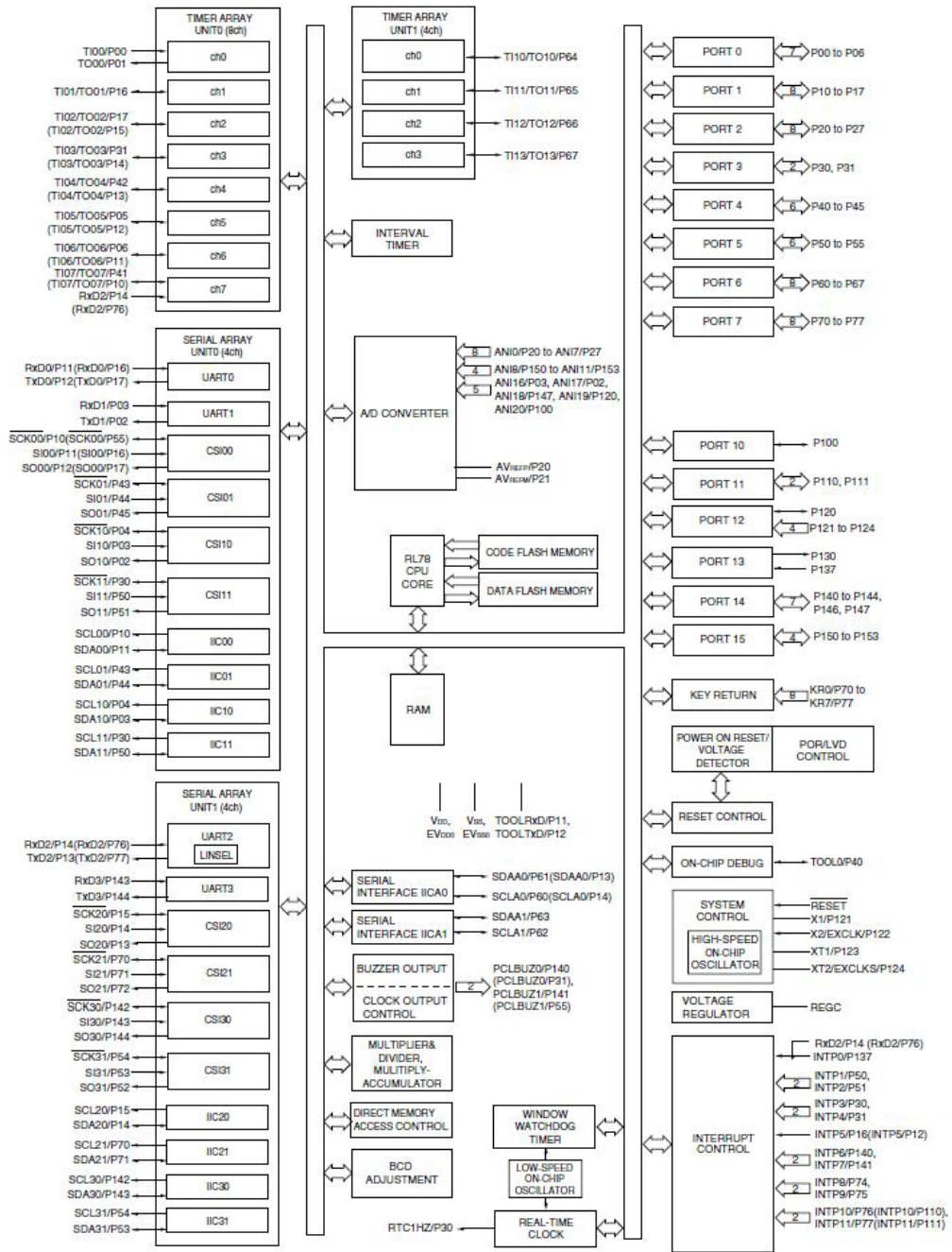
# SEMICONDUCTORS

Only major semiconductors are shown. General semiconductors etc. are omitted from list.  
 The semiconductors which have a detailed drawing in a schematic diagram are omitted from list.

## 1. IC's

### R5F100MFAFA (U1001)







**MAIN MPU PORT TABLE R5F100MFAFA (U1001)**

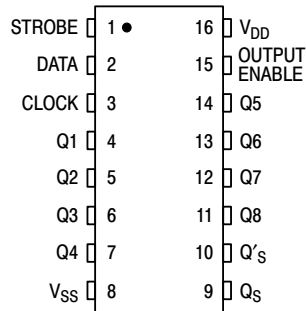
Pin	Port	I/O	use	Name	Port Setting			Note
					Act.	stby	Exit R	
1	P141/PCLBUZ1/INTP7	I/O	I	PROT_1	L	-	PU 10k	Over Current detection/ DC detection / Temperature detection
2	P140/PCLBUZ0/INTP6	I/O	I	PROT_2	L	-	PU 10k	Power failure detection
3	P120/ANI19	I/O	O		L	L		
4	P45/SO01	I/O	O	SPK	H	f	PD 10k	Speaker Relay On (ON:H)
5	P44/SI01/SDA01	I/O	O	SDA	L	L		E2PROM Serial Data Preliminary
6	P43/SCK01/SCL01	I/O	O	SCL	L	L		E2PROM Serial Clock Preliminary
7	P42/TI04/TO04	I/O	O	SPK_A	H	L	PD 10k	Speaker A Relay On (ON:H)
8	P41/TI07/TO07	I/O	O	SPK_B	H	L	PD 10k	Speaker B Relay On (ON:H)
9	P40/TOOL0	I/O	I/O	TEST	L	-	PU 10k	For Update
10	RESET	I	I	RESET	L	-	PU 100k	Reset
11	P124/XT2/EXCLKS	I	I	XT2	-	-	PD 47k	Sub Clock (32.758kHz) Preliminary
12	P123/XT1	I	I	XT1	-	-	PD 47k	Sub Clock (32.758kHz) Preliminary
13	P137/INTP0	I	I	P_DOWN	L	-	PD 47k	"Detect Power Down Monitoring at power-off detection (ON / OFF the primary power source)"
14	P122/X2/EXCLK	I	I	X2	-	-	PD 47k	Main System Clock (8MHz) Preliminary
15	P121/X1	I	I	X1	-	-	PD 47k	Main System Clock (8MHz) Preliminary
16	REGC	-	-	REGC	-	-	-	Regulator Capacitance
17	VSS	-	-	VSS	-	-	-	GND
18	EVSS0	-	-	EVSS0	-	-	-	GND
19	VDD	-	-	VDD	-	-	-	3.3V
20	EVDD0	-	-	EVDD0	-	-	-	3.3V
21	P60/SCLA0	I/O	O		L	L		
22	P61/SDAA0	I/O	O		L	L		
23	P62/SCLA1	I/O	O		L	L		
24	P63/SDAA1	I/O	O		L	L		
25	P31/TI03/TO03/INTP4	I/O	O		L	L		
26	P64/TI10/TO10	I/O	I	RC5_IN	L	-	PU 33k	RC5 Input capture
27	P65/TI11/TO11	I/O	O	LED_BL	H	L	PD 10k	LCD Backlight LED
28	P66/TI12/TO12	I/O	O	L_RS	-	-	-	"LCD-Controller (ST7032) Resister Select H/L = Data/Instruction"
29	P67/TI13/TO13	I/O	O	L_RES	L	L	PU 22k	LCD-Controller (ST7032) Reset
30	P77/KR7/INTP11	I/O	I	SEL_B	H	-	PU 10k	Input Selector Rotary Encoder
31	P76/KR6/INTP10	I/O	I	SEL_A	H	-	PU 10k	Input Selector Rotary Encoder
32	P75/KR5/INTP9	I/O	I	VOL_B	H	-	PU 10k	Volume Rotary Encoder
33	P74/KR4/INTP8	I/O	I	VOL_A	H	-	PU 10k	Volume Rotary Encoder
34	P73/KR3	I/O	O		L	L		
35	P72/KR2/SO21	I/O	O	L_DATA	H	L	-	LCD-Controller (ST7032) Serial Data
36	P71/KR1/SI21/SDA21	I/O	O	L_CS	L	L	-	LCD-Controller (ST7032) CE
37	P70/KR0/SCK21/SCL21	I/O	O	L_SCL	L	L	-	LCD-Controller (ST7032) Serial Clock
38	P06/TI06/TO06	I/O	O	RC5_OUT	H	L	PD 10k	RC5 Output
39	P05/TI05/TO05	I/O	O	KILL_IR	L	H	PD 10k	RC5 Kill (Kill:L)
40	P30/INTP3/RTC1HZ/SCK11/SCL11	I/O	O	T_MUTE	H	L	PD 10k	Tone amp MUTE 制御 MUTE On:H
41	P50/INTP1/SI11/SDA11	I/O	I	DET	L	-	PU 10k	Signal Detect (No signal:L)
42	P51/INTP2/SO11	I/O	I	AD_INT	L	-	PU 10k	Analog Key Detect
43	P52/SO31	I/O	O	T_DI	L	L	PD 10k	Tone amp controll Analog SW(LC78212) Serial Data
44	P53/SI31/SDA31	I/O	O	T_CE_B	L	L	PD 10k	Tone amp controll Analog SW(LC78212) CE (BASS)
45	P54/SCK31/SCL31	I/O	O	T_CL	L	L	PD 10k	Tone amp controll Analog SW(LC78212) Serial Clock

Pin	Port	I/O	use	Name	Port Setting			Note
					Act.	stby	Exit R	
46	P55	I/O	O	T_CE_T	L	L	PD 10k	Tone amp controll Analog SW(LC78212) CE (TREBLE)
47	P17/TI02/TO02	I/O	O	V_MUTE	H	L	PD 10k	Volume IC(MAS6116) MUTE 制御 MUTE On:H
48	P16/TI01/TO01/IINTP5	I/O	O	V_CS_R	H	L	PD 10k	Volume IC(MAS6116) CS (R ch)
49	P15/SCK20/SCL20	I/O	O	V_CLK	L	L	PD 10k	Volume IC(MAS6116) Serial Clock
50	P14/RxD2/SI20/SDA20	I/O	O	V_CS_L	H	L	PD 10k	Volume IC(MAS6116) CS (L ch)
51	P13/TxD2/SO20	I/O	O	V_DAT	L	L	PD 10k	Volume IC(MAS6116) Serial Data
52	P12/SO00/TxD0/TOOLTxD	I/O	O	TXD	-	L	PD 10k	System Control Bus Output/Update
53	P11/SI00/RxD0/TOOLRxD/SDA00	I/O	I	RXD	-	-	PU 47k	System Control Bus Input/Update
54	P10/SCK00/SCL00	I/O	O	LED_MC	H	L	PD 10k	MC LED
55	P110	I/O	O	LED_PRE	H	L	PD 10k	PRE OUT LED
56	P111	I/O	O	LED_P-DI	H	L	PD 10k	P.DIRECT IN LED
57	P146	I/O	O	LED_DISP	H	L	PD 10k	Illumination LED
58	P147/ANI18	I/O	O	LED_TONE	H	L	PD 10k	TONE LED
59	P100/ANI20	I/O	O	LED_SPK_A	H	L	PD 10k	Speaker A LED
60	P153/ANI11	I/O	O	LED_SPK_B	H	L	PD 10k	Speaker B LED
61	P152/ANI10	I/O	O	LED_STBY	H	H	PD 10k	Standby LED
62	P151/ANI9	I/O	O	LED_POWER	H	L	PD 10k	Power LED
63	P150/ANI8	I/O	O	POW_1	H	L	PD 10k	"Power Relay On (ON:H) for Slow Start"
64	P27/ANI7	I/O	O	POW_2	H	L	PD 10k	Power Relay On (ON:H)
65	P26/ANI6	I/O	O		L	L		
66	P25/ANI5	I/O	I	AD_1	-	-	PU 47k	"Model Select H/L = PM-11A/PM-11B"
67	P24/ANI4	I/O	I	AD_2	H	-	PD 5.6k	Tact SW(DISPLAY/SPK_A/SPK_B/TONE)
68	P23/ANI3	I/O	I	AD_3	H	-	PD 5.6k	Tact SW(ATT/PRE_OUT/P.DIRECT/MC)
69	P22/ANI2	I/O	I	D_SET	-	-	PD 47k	"LCD Driver:setup of communication mode H/L = 100msec : as communication"
70	P21/ANI1/AVREFM	I/O	-	AVREFM	-	-	-	GND
71	P20/ANI0/AVREFP	I/O	-	AVREFP	-	-	-	3.3V
72	P130	O	O	MUTE_D	L	L	PD 10k	PRE OUT Relay Control (MUTE:L)
73	P04/SCK10/SCL10	I/O	O		L	L		
74	P03/ANI16/SI10/RxD1/SDA10	I/O	O		L	L		
75	P02/ANI17/SO10/TxD1	I/O	I	M_B_DOWN	L	-	PD 47k	Detect Main Power On
76	P01/TO00	I/O	I	BI	-	-	PU 47k	Stereo/Bi Amp Select (H/L)
77	P00/TI00	I/O	O	S_CE	L	L	PD 47k	Relay controll 4094 CE
78	P144/SO30/TxD3	I/O	O	S_DI	L	L	-	Relay controll 4094 Serial Data
79	P143/SI30/RxD3/SDA30	I/O	O	S_OE	H	L	-	Relay controll 4094 OE
80	P142/SCK30/SCL30	I/O	O	S_CLK	H	L	-	Relay controll 4094 Serial Clock

Act: Active, Init: Initial, Stby: Standby, Ext R: External R

**MC14094B**

**PIN ASSIGNMENT**



**TRUTH TABLE**

Clock	Output Enable	Strobe	Data	Parallel Outputs		Serial Outputs	
				Q1	Q <sub>N</sub>	Q <sub>S</sub> *	Q' <sub>S</sub>
⎓	0	X	X	Z	Z	Q7	No Chg.
⎓	0	X	X	Z	Z	No Chg.	Q7
⎓	1	0	X	No Chg.	No Chg.	Q7	No Chg.
⎓	1	1	0	0	Q <sub>N</sub> -1	Q7	No Chg.
⎓	1	1	1	1	Q <sub>N</sub> -1	Q7	No Chg.
⎓	1	1	1	No Chg.	No Chg.	No Chg.	Q7

Z = High Impedance X = Don't Care

\* At the positive clock edge, information in the 7th shift register stage is transferred to Q8 and Q<sub>S</sub>.

**ORDERING INFORMATION**

Device	Package	Shipping†
MC14094BCPG	PDIP-16 (Pb-Free)	500 Units / Rail
MC14094BDG	SOIC-16 (Pb-Free)	48 Units / Rail
MC14094BDR2G	SOIC-16 (Pb-Free)	2500 Units / Tape & Reel
MC14094BDTR2G	TSSOP-16*	2500 Units / Tape & Reel
MC14094BFG	SOEIAJ-16 (Pb-Free)	50 Units / Rail
MC14094BFELG	SOEIAJ-16 (Pb-Free)	2000 Units / Tape & Reel

†For information on tape and reel specifications, including part orientation and tape sizes, please refer to our Tape and Reel Packaging Specifications Brochure, BRD8011/D.

\*This package is inherently Pb-Free.

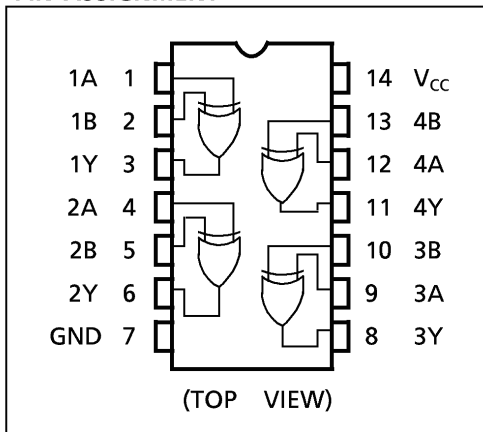
### U3501

Pin	Port	I/O	use	Name	Port Setting			Note
					Act.	stby	Exit R	
1	STROBE	I	I	CE				Chip Enable
2	DATA	I	I	DATA				Serial Data (Direct controll from MPU)
3	CLOCK	I	I	CLK				Serial Clock
4	Q1	O	O	LINE2	H	L	PD 10k	LINE2 INPUT Relay ON (ON:H)
5	Q2	O	O	REC1	H	L	PD 10k	RECORDER1 INPUT Relay ON (ON:H)
6	Q3	O	O	REC2	H	L	PD 10k	RECORDER2 INPUT Relay ON (ON:H)
7	Q4	O	O	BI-AMP	H	L	PD 10k	Bi-Amp Relay Control (H/L = Bi-Amp/Stereo)
8	VSS	-	-	GND	-	-	-	GND
9	QS	O	O	QS				Open
10	Q'S	O	O	Q'S				To 4094-2
11	Q8	O	O	LINE1	H	L	PD 10k	LINE1 INPUT Relay ON (ON:H)
12	Q7	O	O	CD	H	L	PD 10k	CD INPUT Relay ON (ON:H)
13	Q6	O	O	BAL	H	L	PD 10k	BALANCED INPUT Relay ON (ON:H)
14	Q5	O	O	PHONO	H	L	PD 10k	PHONO INPUT Relay ON (ON:H)
15	OE	I	I	OE				Output Enable
16	VDD	-	-	VCC	-	-	-	3.3V

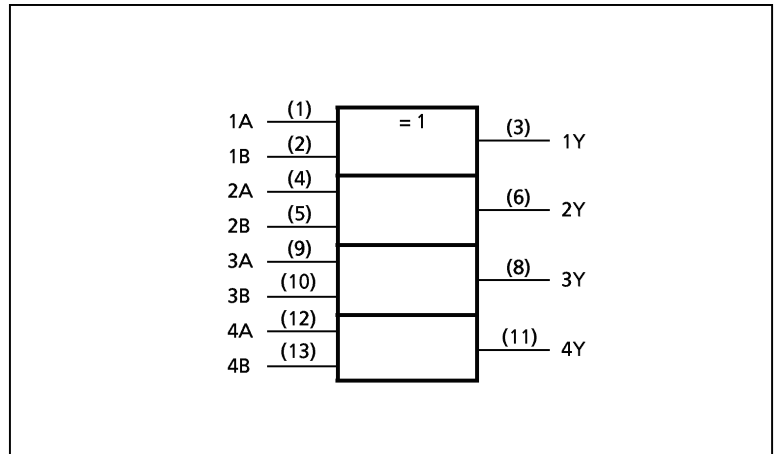
### U3502

Pin	Port	I/O	use	Name	Port Setting			Note
					Act.	stby	Exit R	
1	STROBE	I	I	CE				Chip Enable
2	DATA	I	I	DATA				From 4094-1
3	CLOCK	I	I	CLK				Serial Clock
4	Q1	O	O	TONE	H	L	PD 10k	Tone Control Selsect (H/L = Tone/Source Direct)
5	Q2	O	O	P-DIRECT	H	L	PD 10k	Power Amp direct in Relay ON (ON:H)
6	Q3	O	O					
7	Q4	O	O					
8	VSS	-	-	GND	-	-	-	GND
9	QS	O	O	QS				Open
10	Q'S	O	O	Q'S				Open
11	Q8	O	O					
12	Q7	O	O	RO-2	H	L	PD 10k	RECORDER2 OUTPUT Relay ON (ON:H)
13	Q6	O	O	RO-1	H	L	PD 10k	RECORDER2 OUTPUT Relay ON (ON:H)
14	Q5	O	O	MM	H	L	PD 10k	PHONO MM/MC Select (H/L = MM/MC)
15	OE	I	I	OE				Output Enable
16	VDD	-	-	VCC	-	-	-	3.3V

**PIN ASSIGNMENT**



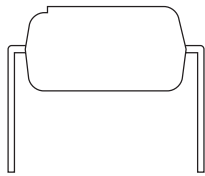
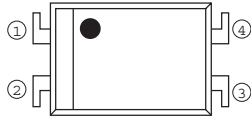
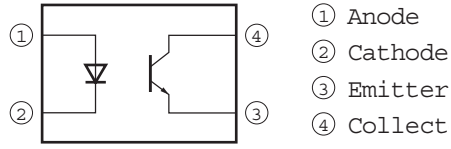
**IEC LOGIC SYMBOL**



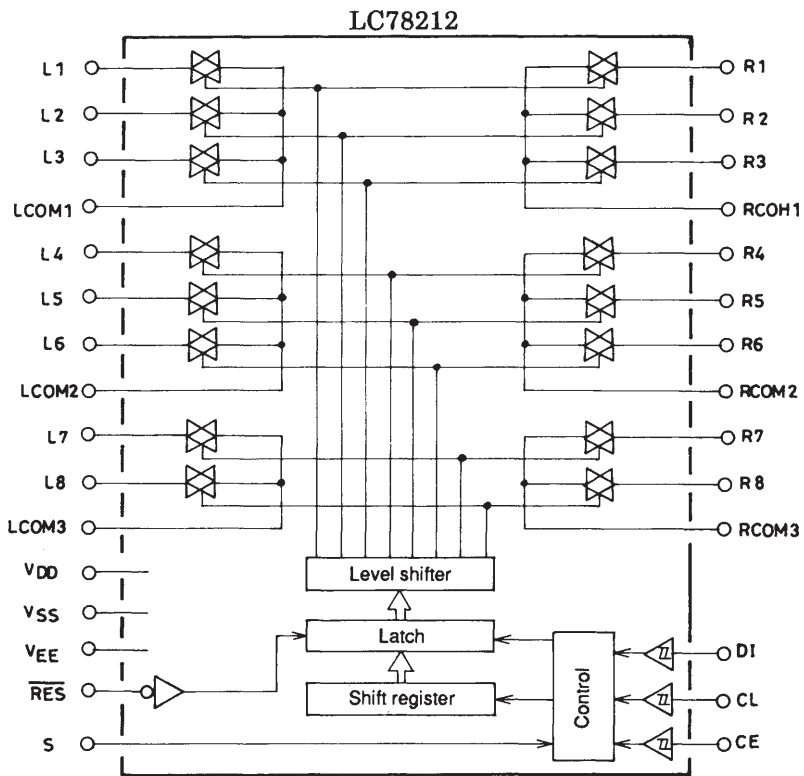
**TRUTH TABLE**

A	B	Y
L	L	L
L	H	H
H	L	H
H	H	L

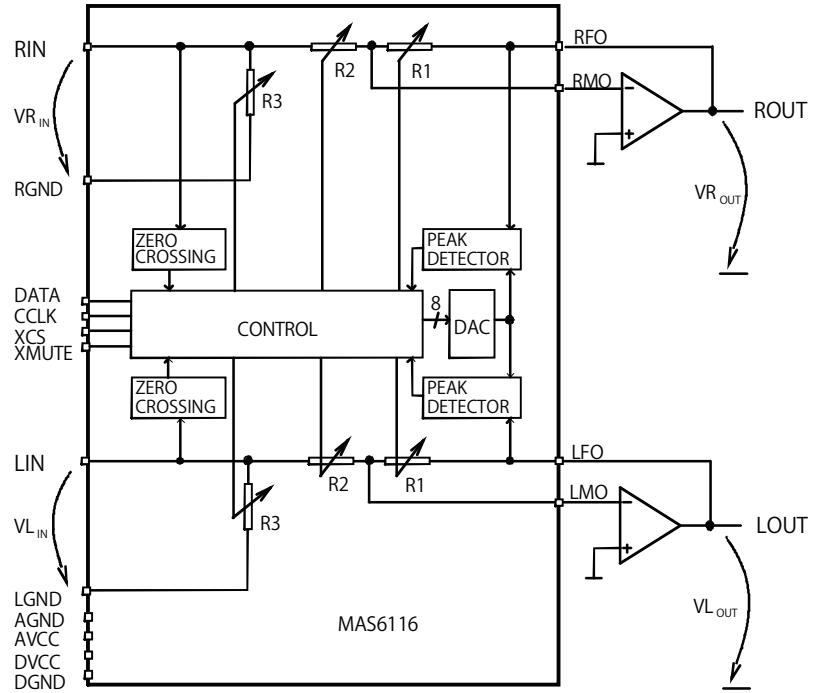
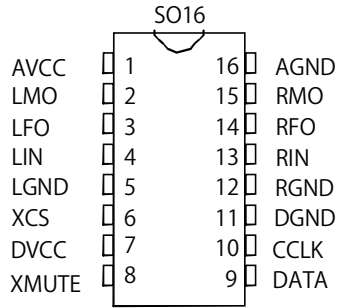
PC817 (U1901)



LC78212 (U2001, U2002)



**MAS6116 (U5001, U5002)**



Pin Name	Pin SO16	Pin QFN 4x5	Type	Function
AVCC	1	23	P	Power Supply, for Analog
LMO	2	24	AI	External Amplifier Negative Input (Left)
LFO*	3	1	AI	Feedback Signal from External Amplifier Output (Left)
LIN*	4	3	AI	Input, Left Channel
LGND	5	4	AI	Signal Ground, Left Channel
XCS	6	7	DI	Chip Select Input of Serial Interface
DVCC	7	8	P	Power Supply, for Digital
XMUTE	8	9	DI	Mute Input
DATA	9	11	DIO	Data Input and Output of Serial Interface, Tristate
CCLK	10	12	DI	Clock Input of Serial Interface
DGND	11	13	G	Ground for Digital
RGND	12	16	AI	Signal Ground, Right Channel
RIN*	13	17	AI	Input, Right Channel
RFO*	14	19	AI	Feedback Signal from External Amplifier Output (Right)
RMO	15	20	AI	External Amplifier Negative Input (Right)
AGND	16	21	G	Ground for Analog

# PARTS LIST OF PCB UNIT

\*Parts indicated by "nsp" on this table cannot be supplied.

\*The parts listed below are only for maintenance. Therefore they might differ from the parts used in the unit in appearances or dimensions.

NOTE: The symbols in the column "Remarks" indicate the following destinations.

U : North America model

N : Europe model

K : China model

F : Japan model

## 8U-210121A PCB ASS'Y (N1G, K1G model) /

## 8U-210121B PCB ASS'Y (N1B model) /

## 8U-210121C PCB ASS'Y (FN model) /

## 8U-210121D PCB ASS'Y (U1B model)

### 8U-210121 ASS'Y

Ref No.	Part No.	Part Name	Remark	Q'ty	New
<b>SEMICONDUCTORS GROUP</b>					
Q2001	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q2002	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q2003	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q2004	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q2005	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q2006	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q2007	00D2690184907	KRA102S-RTK/P (10K-10K)			
Q2008	00D2730460905	KTC2875-B-RTK/P			
Q2009	00D2730460905	KTC2875-B-RTK/P			
Q2010	00D2730460905	KTC2875-B-RTK/P			
Q2011	00D2730460905	KTC2875-B-RTK/P			
Q3501	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q3502	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q3503	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q3504	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q3505	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q3506	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q3507	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q3508	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q3509	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q3601	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q3602	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q3801	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q3802	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q3901	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q3902	21305001240AS	KTC3198-GR-AT/P			
Q4001	00MHX113121B0	2SA1312 (B)			
Q4002	00MHX113121B0	2SA1312 (B)			
Q4003	00MHX333241B0	2SC3324 (B)			
Q4004	00MHX333241B0	2SC3324 (B)			
Q4005	00MHX333241B0	2SC3324 (B)			
Q4006	00MHX333241B0	2SC3324 (B)			
Q4007	00MHX113121B0	2SA1312 (B)			
Q4008	00MHX113121B0	2SA1312 (B)			
Q4009	00MHX333241B0	2SC3324 (B)			
Q4010	00MHX333241B0	2SC3324 (B)			
Q4011	00MHX113121B0	2SA1312 (B)			
Q4012	00MHX113121B0	2SA1312 (B)			
Q4013	00MHX113121B0	2SA1312 (B)			



Ref No.	Part No.	Part Name	Remark	Q'ty	New
Q4014	00MHX113121B0	2SA1312 (B)			
Q4015	00MHX333241B0	2SC3324 (B)			
Q4016	00MHX333241B0	2SC3324 (B)			
Q4017	00D2710300904	KTA1266-GR-AT/P			
Q4018	00D2710300904	KTA1266-GR-AT/P			
Q4019	21305001240AS	KTC3198-GR-AT/P			
Q4020	21305001240AS	KTC3198-GR-AT/P			
Q4021	00D2710300904	KTA1266-GR-AT/P			
Q4022	00D2710300904	KTA1266-GR-AT/P			
Q4023	21305001240AS	KTC3198-GR-AT/P			
Q4024	21305001240AS	KTC3198-GR-AT/P			
Q4025	00D2710300904	KTA1266-GR-AT/P			
Q4026	00D2710300904	KTA1266-GR-AT/P			
Q4027	21305001240AS	KTC3198-GR-AT/P			
Q4028	21305001240AS	KTC3198-GR-AT/P			
Q4031	00D2710300904	KTA1266-GR-AT/P			
Q4032	00D2710300904	KTA1266-GR-AT/P			
Q4033	21305001240AS	KTC3198-GR-AT/P			
Q4034	21305001240AS	KTC3198-GR-AT/P			
Q4035	00D2710300904	KTA1266-GR-AT/P			
Q4036	00D2710300904	KTA1266-GR-AT/P			
Q4037	21305001240AS	KTC3198-GR-AT/P			
Q4038	21305001240AS	KTC3198-GR-AT/P			
Q4039	00D2710300904	KTA1266-GR-AT/P			
Q4040	00D2710300904	KTA1266-GR-AT/P			
Q4041	21305001240AS	KTC3198-GR-AT/P			
Q4042	21305001240AS	KTC3198-GR-AT/P			
Q4043	00D2710300904	KTA1266-GR-AT/P			
Q4044	00D2710300904	KTA1266-GR-AT/P			
Q4045	21305001240AS	KTC3198-GR-AT/P			
Q4046	21305001240AS	KTC3198-GR-AT/P			
Q4507	00D2710300904	KTA1266-GR-AT/P			
Q4508	00D2710300904	KTA1266-GR-AT/P			
Q4509	21305001240AS	KTC3198-GR-AT/P			
Q4510	21305001240AS	KTC3198-GR-AT/P			
Q4511	00D2710300904	KTA1266-GR-AT/P			
Q4512	00D2710300904	KTA1266-GR-AT/P			
Q4513	00D2710300904	KTA1266-GR-AT/P			
Q4514	00D2710300904	KTA1266-GR-AT/P			
Q4515	21305001240AS	KTC3198-GR-AT/P			
Q4516	21305001240AS	KTC3198-GR-AT/P			
Q4517	21305001240AS	KTC3198-GR-AT/P			
Q4518	21305001240AS	KTC3198-GR-AT/P			
Q4519	00D2710300904	KTA1266-GR-AT/P			
Q4520	00D2710300904	KTA1266-GR-AT/P			
Q4521	21305001240AS	KTC3198-GR-AT/P			
Q4522	21305001240AS	KTC3198-GR-AT/P			
Q4523	21305001240AS	KTC3198-GR-AT/P			
Q4524	21305001240AS	KTC3198-GR-AT/P			
Q4525	00D2710300904	KTA1266-GR-AT/P			
Q4526	00D2710300904	KTA1266-GR-AT/P			
Q5001	00D2710300904	KTA1266-GR-AT/P			
Q5002	00D2710300904	KTA1266-GR-AT/P			

Ref No.	Part No.	Part Name	Remark	Q'ty	New
Q5003	21305001240AS	KTC3198-GR-AT/P			
Q5004	21305001240AS	KTC3198-GR-AT/P			
Q5005	00D2710300904	KTA1266-GR-AT/P			
Q5006	00D2710300904	KTA1266-GR-AT/P			
Q5007	00D2710300904	KTA1266-GR-AT/P			
Q5008	00D2710300904	KTA1266-GR-AT/P			
Q5009	21305001240AS	KTC3198-GR-AT/P			
Q5010	21305001240AS	KTC3198-GR-AT/P			
Q5011	21305001240AS	KTC3198-GR-AT/P			
Q5012	21305001240AS	KTC3198-GR-AT/P			
Q5501	00D2710300904	KTA1266-GR-AT/P			
Q5502	00D2710300904	KTA1266-GR-AT/P			
Q5503	21305001240AS	KTC3198-GR-AT/P			
Q5504	21305001240AS	KTC3198-GR-AT/P			
Q5505	00D2710300904	KTA1266-GR-AT/P			
Q5506	00D2710300904	KTA1266-GR-AT/P			
Q5507	00D2710300904	KTA1266-GR-AT/P			
Q5508	00D2710300904	KTA1266-GR-AT/P			
Q5509	21305001240AS	KTC3198-GR-AT/P			
Q5510	21305001240AS	KTC3198-GR-AT/P			
Q5511	21305001240AS	KTC3198-GR-AT/P			
Q5512	21305001240AS	KTC3198-GR-AT/P			
Q5513	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q5515	00MHX113121B0	2SA1312 (B)			
Q5516	00MHX113121B0	2SA1312 (B)			
Q5517	00MHX113121B0	2SA1312 (B)			
Q5518	00MHX113121B0	2SA1312 (B)			
Q5519	00MHX333241B0	2SC3324 (B)			
Q5520	00MHX333241B0	2SC3324 (B)			
Q5521	00MHX333241B0	2SC3324 (B)			
Q5522	00MHX333241B0	2SC3324 (B)			
Q5523	00MHX333241B0	2SC3324 (B)			
Q5524	00MHX333241B0	2SC3324 (B)			
Q5525	00MHX333241B0	2SC3324 (B)			
Q5526	00MHX333241B0	2SC3324 (B)			
Q5527	00MHX113121B0	2SA1312 (B)			
Q5528	00MHX113121B0	2SA1312 (B)			
Q5529	00MHX113121B0	2SA1312 (B)			
Q5530	00MHX113121B0	2SA1312 (B)			
D1751	00MHI10005980	NSPW515BS-S-CO			
D2003	20105001130AS	1SS133(HOMI)			
D2004	00D2760683998	UDZS16B-TE17 +C			
D2005	20105001130AS	1SS133(HOMI)			
D3501	20105001130AS	1SS133(HOMI)			
D3502	20105001130AS	1SS133(HOMI)			
D3503	20105001130AS	1SS133(HOMI)			
D3504	20105001130AS	1SS133(HOMI)			
D3505	20105001130AS	1SS133(HOMI)			
D3506	20105001130AS	1SS133(HOMI)			
D3507	20105001130AS	1SS133(HOMI)			
D3508	20105001130AS	1SS133(HOMI)			
D3601	20105001130AS	1SS133(HOMI)			
D3602	20105001130AS	1SS133(HOMI)			

Ref No.	Part No.	Part Name	Remark	Q'ty	New
D3801	20105001130AS	1SS133(HOMI)			
D3802	20105001130AS	1SS133(HOMI)			
D3901	20105001230AS	1SS355T			
D3902	20105001230AS	1SS355T			
D3903	20105001230AS	1SS355T			
D3904	20105001230AS	1SS355T			
D3905	20105001230AS	1SS355T			
D3906	20105001230AS	1SS355T			
D4001	20105001130AS	1SS133(HOMI)			
D4003	20105001130AS	1SS133(HOMI)			
D4004	20105001130AS	1SS133(HOMI)			
D4005	20105001130AS	1SS133(HOMI)			
D4006	20105001130AS	1SS133(HOMI)			
D4007	20105001130AS	1SS133(HOMI)			
D4008	20105001130AS	1SS133(HOMI)			
D4009	20105001130AS	1SS133(HOMI)			
D4010	20105001130AS	1SS133(HOMI)			
D4011	20105001130AS	1SS133(HOMI)			
D4012	20105001130AS	1SS133(HOMI)			
D4013	20105001130AS	1SS133(HOMI)			
D4014	20105001130AS	1SS133(HOMI)			
D4015	00MHI10115210	SLR-342VRTB7 RED TAPING			
D4016	00MHI10115210	SLR-342VRTB7 RED TAPING			
D4017	00MHI10115210	SLR-342VRTB7 RED TAPING			
D4018	00MHI10115210	SLR-342VRTB7 RED TAPING			
D4019	20105001130AS	1SS133(HOMI)			
D4020	20105001130AS	1SS133(HOMI)			
D4021	20105001130AS	1SS133(HOMI)			
D4022	20105001130AS	1SS133(HOMI)			
D4023	20105001130AS	1SS133(HOMI)			
D4024	20105001130AS	1SS133(HOMI)			
D4025	20105001130AS	1SS133(HOMI)			
D4026	20105001130AS	1SS133(HOMI)			
D4027	20105001130AS	1SS133(HOMI)			
D4028	20105001130AS	1SS133(HOMI)			
D4029	20105001130AS	1SS133(HOMI)			
D4030	20105001130AS	1SS133(HOMI)			
D4501	00MHI10115210	SLR-342VRTB7 RED TAPING			
D4502	00MHI10115210	SLR-342VRTB7 RED TAPING			
D4503	00MHI10115210	SLR-342VRTB7 RED TAPING			
D4504	00MHI10115210	SLR-342VRTB7 RED TAPING			
D5001	00MHI10115210	SLR-342VRTB7 RED TAPING			
D5002	00MHI10115210	SLR-342VRTB7 RED TAPING			
D5003	00MHI10115210	SLR-342VRTB7 RED TAPING			
D5004	00MHI10115210	SLR-342VRTB7 RED TAPING			
D5005	20105001130AS	1SS133(HOMI)			
D5501	00MHI10115210	SLR-342VRTB7 RED TAPING			
D5502	00MHI10115210	SLR-342VRTB7 RED TAPING			
D5503	00MHI10115210	SLR-342VRTB7 RED TAPING			
D5504	00MHI10115210	SLR-342VRTB7 RED TAPING			
D5505	20105001130AS	1SS133(HOMI)			
D5506	20105001130AS	1SS133(HOMI)			
D5513	20105001230AS	1SS355T			

Ref No.	Part No.	Part Name	Remark	Q'ty	New
D5514	20105001230AS	1SS355T			
D5515	20105001230AS	1SS355T			
D5516	20105001230AS	1SS355T			
D5517	20105001230AS	1SS355T			
D5518	20105001230AS	1SS355T			
D5519	20105001230AS	1SS355T			
D5520	20105001230AS	1SS355T			
D5521	20105001230AS	1SS355T			
D5522	20105001230AS	1SS355T			
D5523	20105001230AS	1SS355T			
D5524	20105001230AS	1SS355T			
U2001	00MHC10309030	IC LC78212:CMOS LOGIC SANYO			
U2002	00MHC10309030	IC LC78212:CMOS LOGIC SANYO			
U2003	00D2630896909	NJM2068MD-TE1 +C			
U2004	00D2630896909	NJM2068MD-TE1 +C			
U2005	00D2630896909	NJM2068MD-TE1 +C			
U2006	00D2630896909	NJM2068MD-TE1 +C			
U3501	234810014504S	MC14094BDTR2G			
U3502	234810014504S	MC14094BDTR2G			
U3601	00D2630896909	NJM2068MD-TE1 +C			
U3602	00D2630896909	NJM2068MD-TE1 +C			
U3801	00D2630896909	NJM2068MD-TE1 +C			
U3901	00D2630896909	NJM2068MD-TE1 +C			
U3902	00D2630896909	NJM2068MD-TE1 +C			
U5001	23581005150AS	MAS6116AA1SA306			
U5002	23581005150AS	MAS6116AA1SA306			
<b>RESISTORS GROUP</b>					
R2061	00MGG05681160	680 OHM +- 5% 1/6W	FLAMERETERDANT		
R2062	00MGG05681160	680 OHM +- 5% 1/6W	FLAMERETERDANT		
R2063	00MGG05681160	680 OHM +- 5% 1/6W	FLAMERETERDANT		
R2064	00MGG05681160	680 OHM +- 5% 1/6W	FLAMERETERDANT		
R2072	00MGG05102160	1K OHM +- 5% 1/6W	FLAMERETERDANT		
△ R3011	00MGG05100160	10 OHM +- 5% 1/6W	FLAMERETERDANT		
△ R3012	00MGG05100160	10 OHM +- 5% 1/6W	FLAMERETERDANT		
R3625	00MGG05152160	1.5K OHM +- 5% 1/6W	FLAMERETERDANT		
R3626	00MGG05152160	1.5K OHM +- 5% 1/6W	FLAMERETERDANT		
R3627	00MGG05152160	1.5K OHM +- 5% 1/6W	FLAMERETERDANT		
R3628	00MGG05152160	1.5K OHM +- 5% 1/6W	FLAMERETERDANT		
R3811	00MGG05152160	1.5K OHM +- 5% 1/6W	FLAMERETERDANT		
R3812	00MGG05152160	1.5K OHM +- 5% 1/6W	FLAMERETERDANT		
R3921	00MGG05821160	820 OHM +-5% 1/6W	FLAMERETERDANT		
R3922	00MGG05821160	820 OHM +-5% 1/6W	FLAMERETERDANT		
△ R4055	00MGG05100160	10 OHM +- 5% 1/6W	FLAMERETERDANT		
△ R4056	00MGG05100160	10 OHM +- 5% 1/6W	FLAMERETERDANT		
△ R4057	00MGG05100160	10 OHM +- 5% 1/6W	FLAMERETERDANT		
△ R4058	00MGG05100160	10 OHM +- 5% 1/6W	FLAMERETERDANT		
△ R4535	00MGG05100160	10 OHM +- 5% 1/6W	FLAMERETERDANT		
△ R4536	00MGG05100160	10 OHM +- 5% 1/6W	FLAMERETERDANT		
△ R4537	00MGG05100160	10 OHM +- 5% 1/6W	FLAMERETERDANT		
△ R4538	00MGG05100160	10 OHM +- 5% 1/6W	FLAMERETERDANT		
△ R4541	00MGG05100160	10 OHM +- 5% 1/6W	FLAMERETERDANT		
△ R4542	00MGG05100160	10 OHM +- 5% 1/6W	FLAMERETERDANT		

	Ref No.	Part No.	Part Name	Remark	Q'ty	New
△	R4543	00MGG05100160	10 OHM +- 5% 1/6W	FLAMERETERDANT		
△	R4544	00MGG05100160	10 OHM +- 5% 1/6W	FLAMERETERDANT		
△	R5032	00MGG05220160	22 OHM +- 5% 1/6W	FLAMERETERDANT		
△	R5523	00MGG05100160	10 OHM +- 5% 1/6W	FLAMERETERDANT		
△	R5524	00MGG05100160	10 OHM +- 5% 1/6W	FLAMERETERDANT		
△	R5525	00MGG05100160	10 OHM +- 5% 1/6W	FLAMERETERDANT		
△	R5526	00MGG05100160	10 OHM +- 5% 1/6W	FLAMERETERDANT		
	R9901	00MGG05470160	47 OHM +- 5% 1/6W	FLAMERETERDANT		
	R9902	00MGG05470160	47 OHM +- 5% 1/6W	FLAMERETERDANT		
<b>CAPACITORS GROUP</b>						
	C2001	00MOA226025Z0	ROS-25V 220M - F3#PE - T2 (22UF 25V)			
	C2002	00MOA226025Z0	ROS-25V 220M - F3#PE - T2 (22UF 25V)			
	C2003	133050074500S	CQ93M2E101J(LP)			
	C2004	133050074500S	CQ93M2E101J(LP)			
	C2005	133050074500S	CQ93M2E101J(LP)			
	C2006	133050074500S	CQ93M2E101J(LP)			
	C2007	00MOA476025Z0	ROS-25V 470M - G3#PE - T2 (47UF 25V)			
	C2008	00MOA476025Z0	ROS-25V 470M - G3#PE - T2 (47UF 25V)			
	C2009	133050076551S	CQ93M2E472J(LP)			
	C2010	133050076551S	CQ93M2E472J(LP)			
	C2011	133050074500S	CQ93M2E101J(LP)			
	C2012	133050074500S	CQ93M2E101J(LP)			
	C2013	00D2544573952	CE04W1H2R2MT(RA3)			
	C2014	00D2544573952	CE04W1H2R2MT(RA3)			
	C2015	00D2544573907	CE04W1H0R1MT(RA3)			
	C2016	00D2544573907	CE04W1H0R1MT(RA3)			
	C2017	00MOA106025R0	ROA-25V 100M - E3#PE - T2 (10UF 25V)			
	C2021	00MOA227025R0	ROA-25V 221M -H5#PE - T2 (220UF 25V)			
	C2022	00MOA227025R0	ROA-25V 221M -H5#PE - T2 (220UF 25V)			
	C2023	00MOA227025R0	ROA-25V 221M -H5#PE - T2 (220UF 25V)			
	C2024	00MOA227025R0	ROA-25V 221M -H5#PE - T2 (220UF 25V)			
	C2025	00MOA226025R0	ROA-25V 220M - F3#PE - T2 (22UF 25V)			
	C3001	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
	C3003	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
	C3009	00MOF55221590	220PF 200V +- 10% FAS	N, K		
	C3010	00MOF55221590	220PF 200V +- 10% FAS	N, K		
	C3011	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
	C3012	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
	C3013	00MOF56331540	STAR(126)100VDC331J7-10			
	C3014	00MOF56331540	STAR(126)100VDC331J7-10			
	C3015	00MOA226025Z0	ROS-25V 220M - F3#PE - T2 (22UF 25V)			
	C3016	00MOA226025Z0	ROS-25V 220M - F3#PE - T2 (22UF 25V)			
	C3017	00MOA476025R0	ROA-25V 470M -G3# - T2			
	C3018	00MOA476025R0	ROA-25V 470M -G3# - T2			
	C3019	00MOF55221590	220PF 200V +- 10% FAS	N, K		
	C3020	00MOF55221590	220PF 200V +- 10% FAS	N, K		
	C3021	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
	C3022	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
	C3023	00MOF55331580	330PF 100V +- 5% FNS			
	C3024	00MOF55331580	330PF 100V +- 5% FNS			
	C3025	00MOA226025Z0	ROS-25V 220M - F3#PE - T2 (22UF 25V)			
	C3026	00MOA226025Z0	ROS-25V 220M - F3#PE - T2 (22UF 25V)			

Ref No.	Part No.	Part Name	Remark	Q'ty	New
C3027	00MOA476025R0	ROA-25V 470M -G3# - T2			
C3028	00MOA476025R0	ROA-25V 470M -G3# - T2			
C3029	00MOF55221590	220PF 200V +- 10% FAS	N, K		
C3030	00MOF55221590	220PF 200V +- 10% FAS	N, K		
C3031	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
C3032	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
C3033	00MOF55331580	330PF 100V +- 5% FNS			
C3034	00MOF55331580	330PF 100V +- 5% FNS			
C3035	00MOA226025Z0	ROS-25V 220M - F3#PE - T2 (22UF 25V)			
C3036	00MOA226025Z0	ROS-25V 220M - F3#PE - T2 (22UF 25V)			
C3037	00MOA476025R0	ROA-25V 470M -G3# - T2			
C3038	00MOA476025R0	ROA-25V 470M -G3# - T2			
C3039	00MOF55221590	220PF 200V +- 10% FAS	N, K		
C3040	00MOF55221590	220PF 200V +- 10% FAS	N, K		
C3041	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
C3042	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
C3043	00MOF55331580	330PF 100V +- 5% FNS			
C3044	00MOF55331580	330PF 100V +- 5% FNS			
C3045	00MOA226025Z0	ROS-25V 220M - F3#PE - T2 (22UF 25V)			
C3046	00MOA226025Z0	ROS-25V 220M - F3#PE - T2 (22UF 25V)			
C3047	00MOA476025R0	ROA-25V 470M -G3# - T2			
C3048	00MOA476025R0	ROA-25V 470M -G3# - T2			
C3049	00MOF55221590	220PF 200V +- 10% FAS	N, K		
C3050	00MOF55221590	220PF 200V +- 10% FAS	N, K		
C3051	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
C3052	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
C3053	00MOF55331580	330PF 100V +- 5% FNS			
C3054	00MOF55331580	330PF 100V +- 5% FNS			
C3055	00MOA226025Z0	ROS-25V 220M - F3#PE - T2 (22UF 25V)			
C3056	00MOA226025Z0	ROS-25V 220M - F3#PE - T2 (22UF 25V)			
C3057	00MOA476025R0	ROA-25V 470M -G3# - T2			
C3058	00MOA476025R0	ROA-25V 470M -G3# - T2			
C3062	00MOA476025Z0	47 UF M 25V RA-2			
C3601	00MOA226025Z0	ROS-25V 220M - F3#PE - T2 (22UF 25V)			
C3602	00MOA226025Z0	ROS-25V 220M - F3#PE - T2 (22UF 25V)			
C3603	00MOA226025Z0	ROS-25V 220M - F3#PE - T2 (22UF 25V)			
C3604	00MOA226025Z0	ROS-25V 220M - F3#PE - T2 (22UF 25V)			
C3605	00MOA226025Z0	ROS-25V 220M - F3#PE - T2 (22UF 25V)			
C3606	00MOA226025Z0	ROS-25V 220M - F3#PE - T2 (22UF 25V)			
C3609	00MOA226025Z0	ROS-25V 220M - F3#PE - T2 (22UF 25V)			
C3610	00MOA226025Z0	ROS-25V 220M - F3#PE - T2 (22UF 25V)			
C3611	00MOA226025R0	ROA-25V 220M - F3#PE - T2 (22UF 25V)			
C3612	00MOA226025R0	ROA-25V 220M - F3#PE - T2 (22UF 25V)			
C3613	00MOA226025R0	ROA-25V 220M - F3#PE - T2 (22UF 25V)			
C3614	00MOA226025R0	ROA-25V 220M - F3#PE - T2 (22UF 25V)			
C3801	00MOA226025Z0	ROS-25V 220M - F3#PE - T2 (22UF 25V)			
C3802	00MOA226025Z0	ROS-25V 220M - F3#PE - T2 (22UF 25V)			
C3803	00MOA226025Z0	ROS-25V 220M - F3#PE - T2 (22UF 25V)			
C3804	00MOA226025Z0	ROS-25V 220M - F3#PE - T2 (22UF 25V)			
C3805	00MOA226025R0	ROA-25V 220M - F3#PE - T2 (22UF 25V)			
C3806	00MOA226025R0	ROA-25V 220M - F3#PE - T2 (22UF 25V)			
C3807	00MOF55221590	220PF 200V +- 10% FAS	N, K		
C3808	00MOF55221590	220PF 200V +- 10% FAS	N, K		

Ref No.	Part No.	Part Name	Remark	Q'ty	New
C3809	00MOF55221590	220PF 200V +- 10% FAS	N, K		
C3810	00MOF55221590	220PF 200V +- 10% FAS	N, K		
C3901	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
C3902	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
C3905	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
C3906	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
C3909	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
C3910	00MOF55101590	100PF 200V +- 10% FAS			
C3911	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
C3914	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
C3915	00MOA476025R0	ROA-25V 470M -G3# - T2			
C3916	00MOA476025R0	ROA-25V 470M -G3# - T2			
C4001	00MOF55102580	1000PF 100V FNS			
C4002	00MOF55102580	1000PF 100V FNS			
C4003	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
C4004	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
C4005	00MOF55101590	100PF 200V +- 10% FAS			
C4006	00MOF55101590	100PF 200V +- 10% FAS			
C4007	00MOF55103580	0.01UF 100V +- 5% FNS			
C4008	00MOF55103580	0.01UF 100V +- 5% FNS			
C4009	00MOF55332580	3300PF 100V FNS			
C4010	00MOF55332580	3300PF 100V FNS			
C4011	00MOF55681580	680PF 100V +-5% FNS			
C4012	00MOF55681580	680PF 100V +-5% FNS			
C4013	00MOF55393580	0.039UF 100V +- 5% FAS			
C4014	00MOF55393580	0.039UF 100V +- 5% FAS			
C4015	00MOF55103580	0.01UF 100V +- 5% FNS			
C4016	00MOF55103580	0.01UF 100V +- 5% FNS			
C4017	00MOF55681580	680PF 100V +-5% FNS			
C4018	00MOF55681580	680PF 100V +-5% FNS			
C4019	134050065202S	CE04W1C222MC(RFO)			
C4020	134050065202S	CE04W1C222MC(RFO)			
C4021	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
C4022	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
C4025	00MOA477025R0	ROA-25V 471M -I6#PE - S13 (470UF 25V)			
C4027	00MOA477025R0	ROA-25V 471M -I6#PE - S13 (470UF 25V)			
C4028	00MOA477025R0	ROA-25V 471M -I6#PE - S13 (470UF 25V)			
C4030	00MOA477025R0	ROA-25V 471M -I6#PE - S13 (470UF 25V)			
C4031	00MOF56331540	STAR(126)100VDC331J7-10			
C4032	00MOF56331540	STAR(126)100VDC331J7-10			
C4033	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
C4051	00MOF55221590	220PF 200V +- 10% FAS	N, K		
C4052	00MOF55221590	220PF 200V +- 10% FAS	N, K		
C4503	00MOF55101590	100PF 200V +- 10% FAS	N, K		
C4504	00MOF55101590	100PF 200V +- 10% FAS	N, K		
C4505	00MOF55101590	100PF 200V +- 10% FAS	N, K		
C4506	00MOF55101590	100PF 200V +- 10% FAS	N, K		
C4507	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
C4508	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
C4509	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
C4510	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
C4511	00MOF56331540	STAR(126)100VDC331J7-10			
C4512	00MOF56331540	STAR(126)100VDC331J7-10			

Ref No.	Part No.	Part Name	Remark	Q'ty	New
C4513	00MOF56331540	STAR(126)100VDC331J7-10			
C4514	00MOF56331540	STAR(126)100VDC331J7-10			
C4515	00MOA227025R0	ROA-25V 221M -H5#PE - T2 (220UF 25V)			
C4516	00MOA227025R0	ROA-25V 221M -H5#PE - T2 (220UF 25V)			
C4517	00MOA227025R0	ROA-25V 221M -H5#PE - T2 (220UF 25V)			
C4518	00MOA227025R0	ROA-25V 221M -H5#PE - T2 (220UF 25V)			
C4519	133050078441S	CQ93P2D220K(FAS)			
C4520	133050078441S	CQ93P2D220K(FAS)			
C4521	00MOF56331540	STAR(126)100VDC331J7-10			
C4522	00MOF56331540	STAR(126)100VDC331J7-10			
C4523	00MOA226025Z0	ROS-25V 220M - F3#PE - T2 (22UF 25V)			
C4524	00MOA226025Z0	ROS-25V 220M - F3#PE - T2 (22UF 25V)			
C4525	00MOA477025R0	ROA-25V 471M -I6#PE - S13 (470UF 25V)			
C4526	00MOA477025R0	ROA-25V 471M -I6#PE - S13 (470UF 25V)			
C4527	00MOA477025R0	ROA-25V 471M -I6#PE - S13 (470UF 25V)			
C4528	00MOA477025R0	ROA-25V 471M -I6#PE - S13 (470UF 25V)			
C5001	00MOA227025R0	ROA-25V 221M -H5#PE - T2 (220UF 25V)			
C5002	00MOA227025R0	ROA-25V 221M -H5#PE - T2 (220UF 25V)			
C5003	00MOA476025Z0	ROS-25V 470M - G3#PE - T2 (47UF 25V)			
C5004	00MOA476025Z0	ROS-25V 470M - G3#PE - T2 (47UF 25V)			
C5005	00MOA476025Z0	ROS-25V 470M - G3#PE - T2 (47UF 25V)			
C5006	00MOA476025Z0	ROS-25V 470M - G3#PE - T2 (47UF 25V)			
C5007	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
C5008	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
C5009	00MOF56331540	STAR(126)100VDC331J7-10			
C5010	00MOF56331540	STAR(126)100VDC331J7-10			
C5011	00MOA477025R0	ROA-25V 471M -I6#PE - S13 (470UF 25V)			
C5012	00MOA477025R0	ROA-25V 471M -I6#PE - S13 (470UF 25V)			
C5013	00MOA477025R0	ROA-25V 471M -I6#PE - S13 (470UF 25V)			
C5014	00MOA477025R0	ROA-25V 471M -I6#PE - S13 (470UF 25V)			
C5015	00MOA476025Z0	ROS-25V 470M - G3#PE - T2 (47UF 25V)			
C5016	00MOA476025Z0	ROS-25V 470M - G3#PE - T2 (47UF 25V)			
C5025	00MOA227025R0	ROA-25V 221M -H5#PE - T2 (220UF 25V)			
C5101	00MOF55221590	220PF 200V +- 10% FAS	N, K		
C5102	00MOF55221590	220PF 200V +- 10% FAS	N, K		
C5107	00MOF55221590	220PF 200V +- 10% FAS	N, K		
C5108	00MOF55221590	220PF 200V +- 10% FAS	N, K		
C5501	00MOA476025Z0	ROS-25V 470M - G3#PE - T2 (47UF 25V)			
C5502	00MOA476025Z0	ROS-25V 470M - G3#PE - T2 (47UF 25V)			
C5503	133050078441S	CQ93P2D220K(FAS)			
C5504	133050078441S	CQ93P2D220K(FAS)			
C5505	00MOF56331540	STAR(126)100VDC331J7-10			
C5506	00MOF56331540	STAR(126)100VDC331J7-10			
C5507	00MOA477025R0	ROA-25V 471M -I6#PE - S13 (470UF 25V)			
C5508	00MOA477025R0	ROA-25V 471M -I6#PE - S13 (470UF 25V)			
C5509	00MOA477025R0	ROA-25V 471M -I6#PE - S13 (470UF 25V)			
C5510	00MOA477025R0	ROA-25V 471M -I6#PE - S13 (470UF 25V)			
C5511	00MOA226025Z0	ROS-25V 220M - F3#PE - T2 (22UF 25V)			
C5512	00MOA226025Z0	ROS-25V 220M - F3#PE - T2 (22UF 25V)			
△ C8901	00D2538029713	CK45F2EAC471KC(KX)			
C9901	00MOF55103580	0.01UF 100V +- 5% FNS	N, K		
C9902	00MOF55103580	0.01UF 100V +- 5% FNS	N, K		



Ref No.	Part No.	Part Name	Remark	Q'ty	New
OTHERS PARTS GROUP					
H1201	nsp	FUSE CLIP(TAPE)			
K3001	00D2048549000	2P PIN JACK(18MM)			
K3002	00D2048549000	2P PIN JACK(18MM)			
K3003	00D2048549000	2P PIN JACK(18MM)			
K3004	00D2048549000	2P PIN JACK(18MM)			
K3005	00D2048549000	2P PIN JACK(18MM)			
K4001	00D2048549000	2P PIN JACK(18MM)			
K4501	644010088209S	NC3FAH2			
K4502	644010088209S	NC3FAH2			
K5101	00D2048549000	2P PIN JACK(18MM)			
K5102	00D2048549000	2P PIN JACK(18MM)			
K5103	00D2048549000	2P PIN JACK(18MM)			
K5104	00D2048549000	2P PIN JACK(18MM)			
K9901	64301014500AS	JY-6317#K3-030G	N1G, K1G, FN		*
K9901	64301014600AS	JY-6317x03-030	N1B, U1B		*
L2001	00MFC90050130	BL02RN2-R62T2 FERRITE BEAD			
L4001	00MLC13240010	320 MH CHOKE COIL (TOROIDAL)	N, K		
L4002	00MLC13240010	320 MH CHOKE COIL (TOROIDAL)	N, K		
N1201	nsp	B3B-PH-K-S (LF)(SN)			
N1751	nsp	S3B-PH-K-S (LF)(SN)			
N3001	nsp	B6B-EH-TS (LF)(SN) 6P RADIAL TAPING JST			
N3002	nsp	B5B-EH-TS (LF)(SN) 5P RADIAL TAPING			
N3003	nsp	B3B-EH-TS (LF)(SN) 3P RADIAL TAPING			
N3004	nsp	15P SOCKET(C125Z2)			
N3005	nsp	B16B-PH-K-S (LF)(SN)			
N3007	nsp	S4B-EH			
N3008	nsp	S3B-EH			
N3601	nsp	S7B-EH			
N3801	nsp	B6B-EH-TS (LF)(SN) 6P RADIAL TAPING JST			
N3802	nsp	B6B-EH-TS (LF)(SN) 6P RADIAL TAPING JST			
N4001	nsp	B3B-EH-TS (LF)(SN) 3P RADIAL TAPING			
N4002	nsp	B6B-EH-TS (LF)(SN) 6P RADIAL TAPING JST			
N4003	nsp	B3B-EH-TS (LF)(SN) 3P RADIAL TAPING			
N4501	nsp	B6B-EH-TS (LF)(SN) 6P RADIAL TAPING JST			
N4502	nsp	BASE POST 6P S6B-EH NICHATSU			
N4503	nsp	B5B-EH-TS (LF)(SN) 5P RADIAL TAPING			
N5101	nsp	B7B-EH			
N5501	nsp	13P SOCKET(C125Z2)			
N5502	nsp	13P SOCKET(C125Z2)			
N8901	nsp	2P PLUG B2P3S-VH			
N9901	nsp	S3B-EH			
S1201	0630100020040	SRRSIC			
S2001	00D2140208003	RELAY(NA24W-K)			
S2002	00D2140208003	RELAY(NA24W-K)			
S3501	00D2140208003	RELAY(NA24W-K)			
S3502	00D2140208003	RELAY(NA24W-K)			
S3503	00D2140208003	RELAY(NA24W-K)			

Ref No.	Part No.	Part Name	Remark	Q'ty	New
S3504	00D2140208003	RELAY(NA24W-K)			
S3505	00D2140208003	RELAY(NA24W-K)			
S3506	00D2140208003	RELAY(NA24W-K)			
S3507	00D2140208003	RELAY(NA24W-K)			
S3508	00D2140208003	RELAY(NA24W-K)			
S3601	00D2140208003	RELAY(NA24W-K)			
S3602	00D2140208003	RELAY(NA24W-K)			
S3801	00D2140208003	RELAY(NA24W-K)			
S3802	00D2140208003	RELAY(NA24W-K)			
S4001	00D2140208003	RELAY(NA24W-K)			
S4002	00D2140208003	RELAY(NA24W-K)			
S5501	00D2140208003	RELAY(NA24W-K)			
△ S8901	66105000300AS	POWER SWITCH (TV-5)			
Z3007	00MKH22AJ1020	HDAM-SA3D			
Z3008	00MKH22AJ1020	HDAM-SA3D			
Z3009	00MKH22AJ1020	HDAM-SA3D			
Z3010	00MKH22AJ1020	HDAM-SA3D			
Z3011	00MKH22AJ1020	HDAM-SA3D			
Z3012	00MKH22AJ1020	HDAM-SA3D			
Z3013	00MKH22AJ1020	HDAM-SA3D			
Z3014	00MKH22AJ1020	HDAM-SA3D			
Z3015	00MKH22AJ1020	HDAM-SA3D			
Z3016	00MKH22AJ1020	HDAM-SA3D			
Z4029	00MKH22AJ1020	HDAM-SA3D			
Z4030	00MKH22AJ1020	HDAM-SA3D			
Z4511	00MKH22AJ1020	HDAM-SA3D			
Z4512	00MKH22AJ1020	HDAM-SA3D			
Z4513	00MKH22AJ1020	HDAM-SA3D			
Z4514	00MKH22AJ1020	HDAM-SA3D			
Z4515	00MKH22AJ1020	HDAM-SA3D			
Z4516	00MKH22AJ1020	HDAM-SA3D			
Z5001	00MKH22AJ1020	HDAM-SA3D			
Z5002	00MKH22AJ1020	HDAM-SA3D			
Z5003	00MKH22AJ1020	HDAM-SA3D			
Z5004	00MKH22AJ1020	HDAM-SA3D			
Z5005	00MKH22AJ1020	HDAM-SA3D			
Z5006	00MKH22AJ1020	HDAM-SA3D			
Z5501	00MKH22AJ1020	HDAM-SA3D			
Z5502	00MKH22AJ1020	HDAM-SA3D			
Z5503	nsp	13P PLUG(C125Z1)			
Z5504	nsp	13P PLUG(C125Z1)			
Z5505	00MKH22AJ1020	HDAM-SA3D			
Z5506	00MKH22AJ1020	HDAM-SA3D			
Z5507	nsp	STYLE PIN			

### 8U-110131 ASS'Y

Ref No.	Part No.	Part Name	Remark	Q'ty	New
<b>SEMICONDUCTORS GROUP</b>					
D6001	20105001130AS	1SS133(HOMI)			
D6002	20105001130AS	1SS133(HOMI)			
D6003	20105001130AS	1SS133(HOMI)			
D6004	20105001130AS	1SS133(HOMI)			
D6007	00MHI10115210	SLR-342VRTB7 RED TAPING			
D6008	00MHI10115210	SLR-342VRTB7 RED TAPING			
D6009	20105001130AS	1SS133(HOMI)			
D6010	20105001130AS	1SS133(HOMI)			
D6011	20105001130AS	1SS133(HOMI)			
D6012	20105001130AS	1SS133(HOMI)			
D6013	20105001130AS	1SS133(HOMI)			
D6014	20105001130AS	1SS133(HOMI)			
D6017	20105001130AS	1SS133(HOMI)			
D6018	20105001130AS	1SS133(HOMI)			
D6019	20105001130AS	1SS133(HOMI)			
D6020	20105001130AS	1SS133(HOMI)			
D6021	20105001130AS	1SS133(HOMI)			
D6022	20105001130AS	1SS133(HOMI)			
D6023	20105001130AS	1SS133(HOMI)			
D6024	20105001130AS	1SS133(HOMI)			
D6025	00D2760683930	UDZS5.1B-TE17 +C			
D6026	00MHD20027010	HSS81TD-E 150V 150MA AXIAL TAPG.			
D6027	00MHD20027010	HSS81TD-E 150V 150MA AXIAL TAPG.			
D6028	20105001130AS	1SS133(HOMI)			
D7001	20105001130AS	1SS133(HOMI)			
D7002	20105001130AS	1SS133(HOMI)			
D7003	20105001130AS	1SS133(HOMI)			
D7004	20105001130AS	1SS133(HOMI)			
D7007	00MHI10115210	SLR-342VRTB7 RED TAPING			
D7008	00MHI10115210	SLR-342VRTB7 RED TAPING			
D7009	20105001130AS	1SS133(HOMI)			
D7010	20105001130AS	1SS133(HOMI)			
D7011	20105001130AS	1SS133(HOMI)			
D7012	20105001130AS	1SS133(HOMI)			
D7013	20105001130AS	1SS133(HOMI)			
D7014	20105001130AS	1SS133(HOMI)			
D7017	20105001130AS	1SS133(HOMI)			
D7018	20105001130AS	1SS133(HOMI)			
D7019	20105001130AS	1SS133(HOMI)			
D7020	20105001130AS	1SS133(HOMI)			
D7021	20105001130AS	1SS133(HOMI)			
D7022	20105001130AS	1SS133(HOMI)			
D7023	20105001130AS	1SS133(HOMI)			
D7024	20105001130AS	1SS133(HOMI)			
D7025	00D2760683930	UDZS5.1B-TE17 +C			
D7026	00MHD20027010	HSS81TD-E 150V 150MA AXIAL TAPG.			
D7027	00MHD20027010	HSS81TD-E 150V 150MA AXIAL TAPG.			
D7028	20105001130AS	1SS133(HOMI)			
△ D8001	00D2760707007	FRH20A15			
△ D8002	00D2760706008	FCH20A15			
△ D8011	00MHD20055100	ISHOTTKY 11EQS10 1A 100V			

	Ref No.	Part No.	Part Name	Remark	Q'ty	New
△	D8012	00MHD20055100	!SHOTTKY 11EQS10 1A 100V			
△	D8013	00MHD20055100	!SHOTTKY 11EQS10 1A 100V			
△	D8014	00MHD20055100	!SHOTTKY 11EQS10 1A 100V			
△	D8015	00MHD20055100	!SHOTTKY 11EQS10 1A 100V			
△	D8016	00MHD20055100	!SHOTTKY 11EQS10 1A 100V			
△	D8017	00MHD20055100	!SHOTTKY 11EQS10 1A 100V			
△	D8018	00MHD20055100	!SHOTTKY 11EQS10 1A 100V			
	D8101	20105001130AS	1SS133(HOMI)			
	D8102	20105001130AS	1SS133(HOMI)			
	D8103	20105001130AS	1SS133(HOMI)			
	D8104	20105001130AS	1SS133(HOMI)			
	D8107	20105001130AS	1SS133(HOMI)			
	D8108	00D2760683901	UDZS5.6B-TE17 +C			
△	D8109	00MHD20055100	!SHOTTKY 11EQS10 1A 100V			
△	D8110	00MHD20055100	!SHOTTKY 11EQS10 1A 100V			
△	D8111	00MHD20055100	!SHOTTKY 11EQS10 1A 100V			
△	D8112	00MHD20055100	!SHOTTKY 11EQS10 1A 100V			
△	D8113	00MHD20055100	!SHOTTKY 11EQS10 1A 100V			
△	D8114	00MHD20055100	!SHOTTKY 11EQS10 1A 100V			
△	D8115	00MHD20055100	!SHOTTKY 11EQS10 1A 100V			
△	D8116	00MHD20055100	!SHOTTKY 11EQS10 1A 100V			
	D8117	00MHZ30017210	UDZS 10B (TE-17) ROHM			
	D8118	00MHZ30017210	UDZS 10B (TE-17) ROHM			
	D8119	00D2760683985	UDZS11B-TE17			
	D8120	00D2760683985	UDZS11B-TE17			
△	D8501	00MHD20055100	!SHOTTKY 11EQS10 1A 100V			
△	D8502	00MHD20055100	!SHOTTKY 11EQS10 1A 100V			
△	D8503	00MHD20055100	!SHOTTKY 11EQS10 1A 100V			
△	D8504	00MHD20055100	!SHOTTKY 11EQS10 1A 100V			
△	D8505	00MHD20055100	!SHOTTKY 11EQS10 1A 100V			
△	D8506	00MHD20055100	!SHOTTKY 11EQS10 1A 100V			
△	D8507	00MHD20055100	!SHOTTKY 11EQS10 1A 100V			
	D8508	20105001130AS	1SS133(HOMI)			
	D8509	20105001130AS	1SS133(HOMI)			
	D8510	00D2760683985	UDZS11B-TE17			
△	D8511	00MHD20055100	!SHOTTKY 11EQS10 1A 100V			
	D9001	20105001130AS	1SS133(HOMI)			
	D9002	20105001130AS	1SS133(HOMI)			
	D9003	20105001130AS	1SS133(HOMI)			
	D9004	20105001130AS	1SS133(HOMI)			
	D9005	20105001130AS	1SS133(HOMI)			
	D9006	20105001130AS	1SS133(HOMI)			
	D9007	20105001130AS	1SS133(HOMI)			
	D9008	20105001130AS	1SS133(HOMI)			
	D9009	20105001130AS	1SS133(HOMI)			
	Q6001	00D2710314903	KTA1024-Y-AT/P			
	Q6004	00D2730471907	KTC3206-Y-AT/P			
	Q6009	00D2710314903	KTA1024-Y-AT/P			
	Q6010	00D2730471907	KTC3206-Y-AT/P			
	Q6011	00D2710314903	KTA1024-Y-AT/P			
	Q6012	21105001420AS	KTA1360-Y-U/PH			*
	Q6013	21305001420AS	KTC3423-Y-U/PH			*
	Q6014	00D2730471907	KTC3206-Y-AT/P			

	Ref No.	Part No.	Part Name	Remark	Q'ty	New
	Q6015	00D2710314903	KTA1024-Y-AT/P			
	Q6016	00D2710314903	KTA1024-Y-AT/P			
	Q6017	00D2730471907	KTC3206-Y-AT/P			
	Q6018	00D2730471907	KTC3206-Y-AT/P			
	Q6019	21305001420AS	KTC3423-Y-U/PH			*
	Q6020	00D2730471907	KTC3206-Y-AT/P			
	Q6021	00D2710314903	KTA1024-Y-AT/P			
	Q6022	21105001420AS	KTA1360-Y-U/PH			*
	Q6027	00D2710314903	KTA1024-Y-AT/P			
	Q6030	00D2730471907	KTC3206-Y-AT/P			
△	Q6031	00D2730445001	2SC4495			
△	Q6032	21305001420AS	KTC3423-Y-U/PH			*
△	Q6033	21105001420AS	KTA1360-Y-U/PH			*
△	Q6034	00MHK185919C0	2SA1859/C4883 O/O OR Y/Y PAIR			
△	Q6035	00MHK185919C0	2SA1859/C4883 O/O OR Y/Y PAIR			
△	Q6036	00MHK121619F0	A1216/C2922 O.Y PAIR FORMING			
△	Q6037	00MHK121619F0	A1216/C2922 O.Y PAIR FORMING			
	Q6038	00D2730479909	2N5551S-RTK/P			
	Q6039	00D2710318909	2N5401S-RTK/P			
	Q7001	00D2710314903	KTA1024-Y-AT/P			
	Q7004	00D2730471907	KTC3206-Y-AT/P			
	Q7009	00D2710314903	KTA1024-Y-AT/P			
	Q7010	00D2730471907	KTC3206-Y-AT/P			
	Q7011	00D2710314903	KTA1024-Y-AT/P			
	Q7012	21105001420AS	KTA1360-Y-U/PH			*
	Q7013	21305001420AS	KTC3423-Y-U/PH			*
	Q7014	00D2730471907	KTC3206-Y-AT/P			
	Q7015	00D2710314903	KTA1024-Y-AT/P			
	Q7016	00D2710314903	KTA1024-Y-AT/P			
	Q7017	00D2730471907	KTC3206-Y-AT/P			
	Q7018	00D2730471907	KTC3206-Y-AT/P			
	Q7019	21305001420AS	KTC3423-Y-U/PH			*
	Q7020	00D2730471907	KTC3206-Y-AT/P			
	Q7021	00D2710314903	KTA1024-Y-AT/P			
	Q7022	21105001420AS	KTA1360-Y-U/PH			*
	Q7027	00D2710314903	KTA1024-Y-AT/P			
	Q7030	00D2730471907	KTC3206-Y-AT/P			
△	Q7031	00D2730445001	2SC4495			
△	Q7032	21305001420AS	KTC3423-Y-U/PH			*
△	Q7033	21105001420AS	KTA1360-Y-U/PH			*
△	Q7034	00MHK185919C0	2SA1859/C4883 O/O OR Y/Y PAIR			
△	Q7035	00MHK185919C0	2SA1859/C4883 O/O OR Y/Y PAIR			
△	Q7036	00MHK121619F0	A1216/C2922 O.Y PAIR FORMING			
△	Q7037	00MHK121619F0	A1216/C2922 O.Y PAIR FORMING			
	Q7038	00D2730479909	2N5551S-RTK/P			
	Q7039	00D2710318909	2N5401S-RTK/P			
	Q8001	00D2730464901	KTC3875S-GR-RTK/P			
	Q8002	00D2730464901	KTC3875S-GR-RTK/P			
	Q8003	00D2730464901	KTC3875S-GR-RTK/P			
	Q8004	00D2730464901	KTC3875S-GR-RTK/P			
	Q8005	00MHT348832A0	TRANSISTOR 2SC4883 O OR Y			
	Q8006	00D2710312905	KTA1504S-GR-RTK/P			
	Q8007	21305001240AS	KTC3198-GR-AT/P			

Ref No.	Part No.	Part Name	Remark	Q'ty	New
Q8008	00D2730464901	KTC3875S-GR-RTK/P			
Q8101	00D2710300904	KTA1266-GR-AT/P			
Q8102	21305001240AS	KTC3198-GR-AT/P			
Q8105	00D2710300904	KTA1266-GR-AT/P			
△ Q8106	00MHT348832A0	TRANSISTOR 2SC4883 O OR Y			
△ Q8201	00MHT348832A0	TRANSISTOR 2SC4883 O OR Y			
△ Q8301	00MHT118592A0	TRANSISTOR 2SA1859 O OR Y			
Q8502	00D2710300904	KTA1266-GR-AT/P			
Q8503	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q8504	00D2710300904	KTA1266-GR-AT/P			
Q8505	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q8506	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q8507	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q9001	00D2710300904	KTA1266-GR-AT/P			
Q9002	00D2710300904	KTA1266-GR-AT/P			
Q9003	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q9004	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q9005	00D2730464901	KTC3875S-GR-RTK/P			
Q9006	00D2730464901	KTC3875S-GR-RTK/P			
Q9007	00D2730464901	KTC3875S-GR-RTK/P			
Q9008	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q9009	00D2710300904	KTA1266-GR-AT/P			
Q9010	00D2730464901	KTC3875S-GR-RTK/P			
Q9011	00D2710312905	KTA1504S-GR-RTK/P			
Q9012	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q9013	00D2690184907	KRA102S-RTK/P (10K-10K)			
Q9014	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q9015	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q9016	00D2690192902	KRC102S-RTK/P (10K-10K)			
U8002	00D2630810008	NJM7808FA(S)			
U8401	00D2630812006	NJM7815FA(S)			
U8501	00D2631240907	BA33B00FP-E2			
<b>RESISTORS GROUP</b>					
R6001	00D2412472965	RD14B2E104JT(AMRS)			
R6002	00D2412463903	RD14B2E100JT(AMRS)			
R6003	00D2412471908	RD14B2E223JT(AMRS)			
R6004	00D2412467941	RD14B2E681JT(AMRS)			
△ R6012	00MGG05471160	470 OHM +- 5% 1/6W	FLAMERETERDANT		
△ R6013	00MGG05471160	470 OHM +- 5% 1/6W	FLAMERETERDANT		
△ R6014	00MGG05181160	180 OHM +- 5% 1/16W	FLAMERETERDANT		
△ R6015	00MGG05181160	180 OHM +- 5% 1/16W	FLAMERETERDANT		
R6017	00D2412474921	RD14B2E474JT(AMRS)			
R6020	00D2412467983	RD14B2E102JT(AMRS)			
R6021	00D2412467983	RD14B2E102JT(AMRS)			
R6023	00D2412465927	RD14B2E820JT(AMRS)			
R6024	00D2412465927	RD14B2E820JT(AMRS)			
R6027	00D2412463903	RD14B2E100JT(AMRS)			
R6035	00D2412472965	RD14B2E104JT(AMRS)			
△ R6042	00MGG05100160	10 OHM +- 5% 1/6W	FLAMERETERDANT		
△ R6043	00MGG05100160	10 OHM +- 5% 1/6W	FLAMERETERDANT		
△ R6044	00MGG05101160	100 OHM +- 5% 1/6W	FLAMERETERDANT		
△ R6045	00MGG05101160	100 OHM +- 5% 1/6W	FLAMERETERDANT		

	Ref No.	Part No.	Part Name	Remark	Q'ty	New
△	R6046	00MGG05102160	1K OHM +- 5% 1/6W	FLAMERETERDANT		
△	R6047	00MGG05470160	47 OHM +- 5% 1/6W	FLAMERETERDANT		
△	R6048	00MGG05470160	47 OHM +- 5% 1/6W	FLAMERETERDANT		
△	R6049	00MGG05221160	220 OHM +- 5% 1/6W	FLAMERETERDANT		
△	R6050	00MGG05100160	10 OHM +- 5% 1/6W	FLAMERETERDANT		
△	R6051	00MGG05100160	10 OHM +- 5% 1/6W	FLAMERETERDANT		
△	R6052	00MGO05001050	0.1 OHMS +-5% 5W PBR58			
△	R6053	00MGO05001050	0.1 OHMS +-5% 5W PBR58			
	R6056	00MGG05152160	1.5K OHM +- 5% 1/6W	FLAMERETERDANT		
	R6057	00MGG05152160	1.5K OHM +- 5% 1/6W	FLAMERETERDANT		
	R6058	00MGG05472160	4.7K OHM +- 5% 1/6W	FLAMERETERDANT		
	R6064	00MKN05101010	100 OHM +- 5% 1W			
	R6065	00MKN05331020	330 OHM +- 5% 2W			
	R6066	00MKN05101010	100 OHM +- 5% 1W			
	R6067	00MKN05331020	330 OHM +- 5% 2W			
△	R6501	00D2790034054	PTH9M04BC222TS2F333			
	R7001	00D2412472965	RD14B2E104JT(AMRS)			
	R7002	00D2412463903	RD14B2E100JT(AMRS)			
	R7003	00D2412471908	RD14B2E223JT(AMRS)			
	R7004	00D2412467941	RD14B2E681JT(AMRS)			
△	R7012	00MGG05471160	470 OHM +- 5% 1/6W	FLAMERETERDANT		
△	R7013	00MGG05471160	470 OHM +- 5% 1/6W	FLAMERETERDANT		
△	R7014	00MGG05181160	180 OHM +- 5% 1/16W	FLAMERETERDANT		
△	R7015	00MGG05181160	180 OHM +- 5% 1/16W	FLAMERETERDANT		
	R7017	00D2412474921	RD14B2E474JT(AMRS)			
	R7020	00D2412467983	RD14B2E102JT(AMRS)			
	R7021	00D2412467983	RD14B2E102JT(AMRS)			
	R7023	00D2412465927	RD14B2E820JT(AMRS)			
	R7024	00D2412465927	RD14B2E820JT(AMRS)			
	R7027	00D2412463903	RD14B2E100JT(AMRS)			
	R7035	00D2412472965	RD14B2E104JT(AMRS)			
△	R7042	00MGG05100160	10 OHM +- 5% 1/6W	FLAMERETERDANT		
△	R7043	00MGG05100160	10 OHM +- 5% 1/6W	FLAMERETERDANT		
△	R7044	00MGG05101160	100 OHM +- 5% 1/6W	FLAMERETERDANT		
△	R7045	00MGG05101160	100 OHM +- 5% 1/6W	FLAMERETERDANT		
△	R7046	00MGG05102160	1K OHM +- 5% 1/6W	FLAMERETERDANT		
△	R7047	00MGG05470160	47 OHM +- 5% 1/6W	FLAMERETERDANT		
△	R7048	00MGG05470160	47 OHM +- 5% 1/6W	FLAMERETERDANT		
△	R7049	00MGG05221160	220 OHM +- 5% 1/6W	FLAMERETERDANT		
△	R7050	00MGG05100160	10 OHM +- 5% 1/6W	FLAMERETERDANT		
△	R7051	00MGG05100160	10 OHM +- 5% 1/6W	FLAMERETERDANT		
△	R7052	00MGO05001056	0.1 OHMS +-5% 5W PBR58			
△	R7053	00MGO05001056	0.1 OHMS +-5% 5W PBR58			
	R7056	00MGG05152160	1.5K OHM +- 5% 1/6W	FLAMERETERDANT		
	R7057	00MGG05152160	1.5K OHM +- 5% 1/6W	FLAMERETERDANT		
	R7058	00MGG05472160	4.7K OHM +- 5% 1/6W	FLAMERETERDANT		
	R7064	00MKN05101010	100 OHM +- 5% 1W			
	R7065	00MKN05331020	330 OHM +- 5% 2W			
	R7066	00MKN05101010	100 OHM +- 5% 1W			
	R7067	00MKN05331020	330 OHM +- 5% 2W			
△	R7501	00D2790034054	PTH9M04BC222TS2F333			
△	R8001	00MBF68400016	! 0.68UF/4.7OHM			
△	R8014	00MGG05010120	ERD50FJ1R0P or SPRX1CM12.5A J 1R0	FLAMERETERDANT		

	Ref No.	Part No.	Part Name	Remark	Q'ty	New
△	R8015	00MBF68400016	! 0.68UF/4.7OHM			
△	R8019	00MGG05100160	10 OHM +- 5% 1/6W	FLAMERETERDANT		
△	R8022	00MGG05220160	22 OHM +- 5% 1/6W	FLAMERETERDANT		
△	R8028	00MGG05100160	10 OHM +- 5% 1/6W	FLAMERETERDANT		
	R8101	00D2412471908	RD14B2E223JT(AMRS)			
	R8102	00D2412471908	RD14B2E223JT(AMRS)			
△	R8108	00MGG05033160	3.3 OHM +- 5% 1/6W	FLAMERETERDANT		
△	R8109	00MGG05033160	3.3 OHM +- 5% 1/6W	FLAMERETERDANT		
△	R8114	00MGG05033160	3.3 OHM +- 5% 1/6W	FLAMERETERDANT		
△	R8120	00MGG05010120	ERD50FJ1R0P or SPRX1CM12.5A J 1R0	FLAMERETERDANT		
△	R8121	00MGG05010120	ERD50FJ1R0P or SPRX1CM12.5A J 1R0	FLAMERETERDANT		
△	R8122	00MBF68400010	! 0.68UF/4.7OHM			
△	R8501	00MNNQ15022070	!2.2 OHM 7W W/TEMP.FUSE			
△	R8502	00MNNQ15022070	!2.2 OHM 7W W/TEMP.FUSE			
△	R8504	00MBF68400016	! 0.68UF/4.7OHM			
△	R9001	00MNNK05100020	10 OHM +- 5% 2W			
△	R9002	00MNNK05100020	10 OHM +- 5% 2W			
	R9005	00MNNK05331020	330 OHM +- 5% 2W			
	R9006	00MNNK05331020	330 OHM +- 5% 2W			
	R9007	00MGG05220160	22 OHM +- 5% 1/6W	FLAMERETERDANT		
	R9008	00MGG05220160	22 OHM +- 5% 1/6W	FLAMERETERDANT		
	R9011	00MGG05220160	22 OHM +- 5% 1/6W	FLAMERETERDANT		
<b>CAPACITORS GROUP</b>						
	C6001	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
	C6002	00MOB47708050	470UF/80V NICHICON PB-FREE			
	C6003	00MOB47708050	470UF/80V NICHICON PB-FREE			
	C6004	00MOF55102580	1000PF 100V FNS			
	C6005	00MOF56681540	STAR(126)100VDC681J4-10			
	C6006	00MOA107025Z0	ROS-25V 101M - H4#PE - T2 (100UF 25V)			
	C6007	00MOA227025R0	ROA-25V 221M -H5#PE - T2 (220UF 25V)			
	C6010	00MOF55103580	0.01UF 100V +- 5% FNS			
	C6011	00D2544573936	CE04W1HR47MT(RA3)			
	C6013	133050078441S	CQ93P2D220K(FAS)			
	C6014	133050078441S	CQ93P2D220K(FAS)			
	C6015	133050078441S	CQ93P2D220K(FAS)			
	C6016	133050078441S	CQ93P2D220K(FAS)			
	C7001	00MOA106035Z1	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
	C7002	00MOB47708050	470UF/80V NICHICON PB-FREE			
	C7003	00MOB47708050	470UF/80V NICHICON PB-FREE			
	C7004	00MOF55102580	1000PF 100V FNS			
	C7005	00MOF56681540	STAR(126)100VDC681J4-10			
	C7006	00MOA107025Z0	ROS-25V 101M - H4#PE - T2 (100UF 25V)			
	C7007	00MOA227025R0	ROA-25V 221M -H5#PE - T2 (220UF 25V)			
	C7010	00MOF55103580	0.01UF 100V +- 5% FNS			
	C7011	00D2544573936	CE04W1HR47MT(RA3)			
	C8001	00MOA10605020	10 UF M 50V RA-2			
	C8002	00D2544573949	CE04W1H010MT(RA3)			
	C8003	00D2544576700	CE04W1V222MC(RA3)			
	C8005	00MOA22703520	220UF 35V M RA-2			
	C8006	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
	C8007	00MOA22703520	220UF 35V M RA-2			
	C8010	00MOA10702520	100 UF M 25V RA-2			



Ref No.	Part No.	Part Name	Remark	Q'ty	New
C8011	00MOA10605020	10 UF M 50V RA-2			
C8012	00D2544577974	CE04W1C471MT(RA3)			
C8015	00MOA10702520	100 UF M 25V RA-2			
C8016	00MOA10702520	100 UF M 25V RA-2			
C8017	00MOA47602520	47 UF M 25V RA-2			
C8101	00MOA15905010	LKG1H153MESBZT			
C8102	00MOA15905010	LKG1H153MESBZT			
C8103	00MOA476025Z0	ROS-25V 470M - G3#PE - T2 (47UF 25V)			
C8104	00MOA476025Z0	ROS-25V 470M - G3#PE - T2 (47UF 25V)			
C8105	00MOA227025R0	ROA-25V 221M -H5#PE - T2 (220UF 25V)			
C8106	00MOA227025R0	ROA-25V 221M -H5#PE - T2 (220UF 25V)			
C8107	00MOA22703520	220UF 35V M RA-2			
C8108	00MOA476025Z0	ROS-25V 470M - G3#PE - T2 (47UF 25V)			
C8109	00MOA227025R0	ROA-25V 221M -H5#PE - T2 (220UF 25V)			
△ C8501	133750061200S	#PHE840MA5100MA01R05			
△ C8502	133750061200S	#PHE840MA5100MA01R05			
C8503	00D2544573949	CE04W1H010MT(RA3)			
C8504	00D2544578724	CE04W1C332MC(RA3)			
C8505	00D2544577945	CE04W1C101MT(RA3)			
C8507	00D2544577961	CE04W1C331MT(RA3)			
C8508	00D2544577974	CE04W1C471MT(RA3)			
C9001	00MOF55103580	0.01UF 100V +- 5% FNS	N, K		
C9002	00MOF55103580	0.01UF 100V +- 5% FNS	N, K		
C9003	00MOF55393580	0.039UF 100V +- 5% FAS			
C9004	00MOF55393580	0.039UF 100V +- 5% FAS			
C9008	00MOA107025Z0	ROS-25V 101M - H4#PE - T2 (100UF 25V)			
C9025	00MOA106035Z0	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
<b>OTHERS PARTS GROUP</b>					
△ F8510	0520100170060	# T5A L 250V 0218005.MXP	N, K		
△ F8510	0520100200020	0218010.MXP	F, U		
H8511	nsp	FUSE CLIP(TAPE)			
H8512	nsp	FUSE CLIP(TAPE)			
L8003	00MFC90050130	BL02RN2-R62T2 FERRITE BEAD			
L8004	00MFC90050130	BL02RN2-R62T2 FERRITE BEAD			
L8005	00MFC90050130	BL02RN2-R62T2 FERRITE BEAD			
L8006	00MFC90050130	BL02RN2-R62T2 FERRITE BEAD			
L8007	00MFC90050130	BL02RN2-R62T2 FERRITE BEAD			
L8101	00MFC90050130	BL02RN2-R62T2 FERRITE BEAD			
L8102	00MFC90050130	BL02RN2-R62T2 FERRITE BEAD			
L8503	00MFC90050130	BL02RN2-R62T2 FERRITE BEAD			
L8504	00MFC90050130	BL02RN2-R62T2 FERRITE BEAD			
L8505	00MFC90050130	BL02RN2-R62T2 FERRITE BEAD			
L8507	00MFC90050130	BL02RN2-R62T2 FERRITE BEAD			
L8508	00MFC90050130	BL02RN2-R62T2 FERRITE BEAD			
L8509	00MFC90050130	BL02RN2-R62T2 FERRITE BEAD			
N6001	nsp	B4B-EH-TS (LF)(SN) 4P RADIAL TAPING			
N6002	00MYP07005670	IMSA-6065B-06Z065-PT1			
N6003	00MYP07005670	IMSA-6065B-06Z065-PT1			
N6004	nsp	B2B-EH			
N6005	nsp	B3B-EH-TS (LF)(SN) 3P RADIAL TAPING			
N6006	nsp	B3B-PH-K-S (LF)(SN)			
N6007	nsp	13P PLUG(C125Z1)			

Ref No.	Part No.	Part Name	Remark	Q'ty	New
N6008	nsp	13P PLUG(C125Z1)			
N6009	00MYP07005670	IMSA-6065B-06Z065-PT1			
N6010	00MYP07005670	IMSA-6065B-06Z065-PT1			
N6011	00MYP07005670	IMSA-6065B-06Z065-PT1			
N7001	nsp	B3B-EH-TS (LF)(SN) 3P RADIAL TAPING			
N7002	00MYP07005670	IMSA-6065B-06Z065-PT1			
N7003	00MYP07005670	IMSA-6065B-06Z065-PT1			
N7004	nsp	B2B-EH			
N7005	nsp	B3B-EH-TS (LF)(SN) 3P RADIAL TAPING			
N7006	nsp	B3B-PH-K-S (LF)(SN)			
N7007	nsp	13P PLUG(C125Z1)			
N7008	nsp	13P PLUG(C125Z1)			
N7009	00MYP07005670	IMSA-6065B-06Z065-PT1			
N7010	00MYP07005670	IMSA-6065B-06Z065-PT1			
N7011	00MYP07005670	IMSA-6065B-06Z065-PT1			
N8001	nsp	CONNECTOR 2P B3P-VH			
N8003	nsp	CONNECTOR 2P B3P-VH			
N8005	nsp	B6B-EH-TS (LF)(SN) 6P RADIAL TAPING JST			
N8006	nsp	B6B-PH-K-S (LF)(SN)			
N8007	nsp	B9B-PH-K-S (LF)(SN)			
N8008	nsp	B3B-PH-K-S (LF)(SN)			
N8101	nsp	B6B-EH-TS (LF)(SN) 6P RADIAL TAPING JST			
N8102	nsp	B3B-EH-TS (LF)(SN) 3P RADIAL TAPING			
N8103	nsp	15P PLUG(C125Z1)			
N8104	nsp	JST 3P-PLUG B3P-VH P=3.96M/M			
N8501	nsp	CONNECTOR 2P B3P-VH			
N8502	nsp	CONNECTOR 2P B3P-VH			
N8503	nsp	CONNECTOR 2P B3P-VH			
N8504	nsp	B6B-PH-K-S (LF)(SN)			
N8505	nsp	B3B-PH-K-S (LF)(SN)			
N9501	nsp	B3B-EH-TS (LF)(SN) 3P RADIAL TAPING			
N9502	nsp	B3B-EH-TS (LF)(SN) 3P RADIAL TAPING			
N9503	nsp	B3B-EH-TS (LF)(SN) 3P RADIAL TAPING			
N9504	nsp	B6B-PH-K-S (LF)(SN)			
⚠ S8501	68201002600AS	FTR-H2AK006T-TH			*
⚠ S8502	68201002600AS	FTR-H2AK006T-TH			*
S9001	00D2140209002	RELAY FTR-F1AD024V			
S9002	00D2140209002	RELAY FTR-F1AD024V			
S9003	00D2140209002	RELAY FTR-F1AD024V			
S9004	00D2140209002	RELAY FTR-F1AD024V			
S9005	00D2140208003	RELAY(NA24W-K)			
⚠ T8501	10101014200AM	SUB TRANS (N) A363	N, K		*
⚠ T8501	10101014300AM	SUB TRANS (F) A363	F		*
⚠ T8501	10101014400AM	SUB TRANS (U) A363	U		*
V6001	00MRA02220760	2.2KOHM NVZ6THT B222			
V6002	00MRA02220760	2.2KOHM NVZ6THT B222			
V7001	00MRA02220760	2.2KOHM NVZ6THT B222			
V7002	00MRA02220760	2.2KOHM NVZ6THT B222			
Z6001	nsp	M3 SCREW TERMINAL			
Z6002	nsp	M3 SCREW TERMINAL			
Z6003	nsp	M3 SCREW TERMINAL			

Ref No.	Part No.	Part Name	Remark	Q'ty	New
Z6004	nsp	GND TERMINAL FOR PCB			
Z6501	nsp	IRRAXTUBE V2 AWG20 BLACK 3MM			
Z7001	nsp	M3 SCREW TERMINAL			
Z7002	nsp	M3 SCREW TERMINAL			
Z7003	nsp	M3 SCREW TERMINAL			
Z8001	nsp	M3 SCREW TERMINAL			
Z8002	nsp	M3 SCREW TERMINAL			
Z8003	nsp	M3 SCREW TERMINAL			
Z8004	nsp	M3 SCREW TERMINAL			
Z8005	nsp	GND TERMINAL FOR PCB			
Z8071	nsp	M3 SCREW TERMINAL			
Z8072	nsp	M3 SCREW TERMINAL			
Z8101	nsp	GND TERMINAL FOR PCB			
Z8501	nsp	M3 SCREW TERMINAL			
Z8502	nsp	M3 SCREW TERMINAL			
Z8503	nsp	GND TERMINAL FOR PCB			
Z9001	nsp	M3 SCREW TERMINAL			
Z9002	nsp	M3 SCREW TERMINAL			
Z9003	nsp	M3 SCREW TERMINAL			
Z9004	nsp	M3 SCREW TERMINAL			
Z9011	nsp	SPK CONTACTOR			
Z9012	nsp	SPK CONTACTOR			
Z9013	nsp	SPK CONTACTOR			
Z9014	nsp	SPK CONTACTOR			
Z9015	nsp	SPK CONTACTOR			
Z9016	nsp	SPK CONTACTOR			
Z9017	nsp	SPK CONTACTOR			
Z9018	nsp	SPK CONTACTOR			

## 8U-210120A ASS'Y

Ref No.	Part No.	Part Name	Remark	Q'ty	New
<b>SEMICONDUCTORS GROUP</b>					
D1001	26301000440AS	SELG6E10C-S20 BLUE LED			
D1002	00D3939607908	SLR342VC(TB7)			
D1401	26301000440AS	SELG6E10C-S20 BLUE LED			
D1402	26301000440AS	SELG6E10C-S20 BLUE LED			
D1403	26301000440AS	SELG6E10C-S20 BLUE LED			
D1404	26301000440AS	SELG6E10C-S20 BLUE LED			
D1501	26301000440AS	SELG6E10C-S20 BLUE LED			
D1502	26301000440AS	SELG6E10C-S20 BLUE LED			
D1503	26301000440AS	SELG6E10C-S20 BLUE LED			
D1504	26301000440AS	SELG6E10C-S20 BLUE LED			
D1601	20105001130AS	1SS133(HOMI)			
D1701	20105001130AS	1SS133(HOMI)			
D1702	20105001130AS	1SS133(HOMI)			
D1901	20105001130AS	1SS133(HOMI)			
D6605	20105001230AS	1SS355T			
D6606	20105001230AS	1SS355T			
Q1001	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q1002	00D2730464901	KTC3875S-GR-RTK/P			
Q1003	00D2730464901	KTC3875S-GR-RTK/P			
Q1004	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q1005	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q1012	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q1013	00D2730464901	KTC3875S-GR-RTK/P			
Q1014	00D2690184907	KRA102S-RTK/P (10K-10K)			
Q1016	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q1017	00D2730464901	KTC3875S-GR-RTK/P			
Q1018	00D2690184907	KRA102S-RTK/P (10K-10K)			
Q1019	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q1020	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q1021	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q1022	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q1023	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q1401	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q1402	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q1403	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q1404	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q1501	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q1502	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q1503	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q1504	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q1601	00D2690184907	KRA102S-RTK/P (10K-10K)			
Q1602	00D2690184907	KRA102S-RTK/P (10K-10K)			
Q1603	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q1606	00D2730464901	KTC3875S-GR-RTK/P			
Q1607	00D2690184907	KRA102S-RTK/P (10K-10K)			
Q1608	00D2730464901	KTC3875S-GR-RTK/P			
Q1701	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q1702	00D2690184907	KRA102S-RTK/P (10K-10K)			
Q1703	00D2710300904	KTA1266-GR-AT/P			
Q1704	00D2730464901	KTC3875S-GR-RTK/P			
Q1901	00D2690192902	KRC102S-RTK/P (10K-10K)			

Ref No.	Part No.	Part Name	Remark	Q'ty	New
Q1902	00D2690184907	KRA102S-RTK/P (10K-10K)			
Q1903	00D2690192902	KRC102S-RTK/P (10K-10K)			
Q6601	00D2710318909	2N5401S-RTK/P			
Q6606	00D2710318909	2N5401S-RTK/P			
Q6608	00D2710318909	2N5401S-RTK/P			
Q6602	00D2730479909	2N5551S-RTK/P			
Q6605	00D2730479909	2N5551S-RTK/P			
Q6607	00D2730479909	2N5551S-RTK/P			
U1001	997243101160M	R5F100MFAFA UCOM			*
U1002	00MHC10229210	BD4727G 2.7V RESET IC			
U1004	00MHC008405K0	TC74VHC86FT EXOR			
U1601	262010010000S	R34ES9A-15MM(36KHZ) IR RECIVER			
U1901	269010001700S	PC817 PHOTO COUPLER			
<b>RESISTORS GROUP</b>					
R1701	00MGG05330160	33 OHM +- 5% 1/6W	FLAMERETERDANT		
R1902	00MGG05220160	22 OHM +- 5% 1/6W	FLAMERETERDANT		
R1912	00MGG05220160	22 OHM +- 5% 1/6W	FLAMERETERDANT		
<b>CAPACITORS GROUP</b>					
C1019	00D2544213937	CE04W0J101MT (SRA)			
C1020	00D2544213937	CE04W0J101MT (SRA)			
C1027	00D2544196999	CE04W1H220MT (SRA)			
C1028	00D2544303960	CE04W1E330MT(SRE)			
C1034	00D2544299906	CE04W1C100MT(SRE)			
C1042	00D2544213937	CE04W0J101MT (SRA)			
C1401	00D2544299906	CE04W1C100MT(SRE)			
C1402	00D2544299906	CE04W1C100MT(SRE)			
C1403	00D2544299906	CE04W1C100MT(SRE)			
C1404	00D2544299906	CE04W1C100MT(SRE)			
C1501	00D2544299906	CE04W1C100MT(SRE)			
C1502	00D2544299906	CE04W1C100MT(SRE)			
C1503	00D2544299906	CE04W1C100MT(SRE)			
C1504	00D2544299906	CE04W1C100MT(SRE)			
C1601	00D2544213937	CE04W0J101MT (SRA)			
C1603	00D2544213937	CE04W0J101MT (SRA)			
C1708	00D2544299906	CE04W1C100MT(SRE)			
C1904	00D2544299906	CE04W1C100MT(SRE)			
C1912	00MOA106035Z1	ROS-35V 100M - F3#PE - T2 (10UF 35V)			
<b>OTHERS PARTS GROUP</b>					
K1901	643010084006S	2P PINJACK(RCA-206B)-NI-O			
K1902	643010086002S	MINI JACK(PJ-308-02)			
K1903	643010086002S	MINI JACK(PJ-308-02)			
L1001	00MFC90020210	MLB-1608-1000A-N2			
L1002	00MFC90020210	MLB-1608-1000A-N2			
L1003	00MFC90020210	MLB-1608-1000A-N2			
L1004	00MFC90020210	MLB-1608-1000A-N2			
L1005	00MFC90020210	MLB-1608-1000A-N2			
L1006	00MFC90020210	MLB-1608-1000A-N2			
L1007	00MFC90020210	MLB-1608-1000A-N2			
L1008	00MFC90020210	MLB-1608-1000A-N2			
L1009	00MFC90020210	MLB-1608-1000A-N2			

Ref No.	Part No.	Part Name	Remark	Q'ty	New
L1010	00MFC90020210	MLB-1608-1000A-N2			
L1011	00MFC90020210	MLB-1608-1000A-N2			
L1012	00MFC90020210	MLB-1608-1000A-N2			
L1013	00MFC90020210	MLB-1608-1000A-N2			
L1014	00MFC90020210	MLB-1608-1000A-N2			
L1015	00MFC90020210	MLB-1608-1000A-N2			
L1016	00MFC90020210	MLB-1608-1000A-N2			
L1020	00MFC90020210	MLB-1608-1000A-N2			
L1021	00MFC90020210	MLB-1608-1000A-N2			
L1023	00MFC90020210	MLB-1608-1000A-N2			
L1024	00MFC90020210	MLB-1608-1000A-N2			
L1025	00MFC90020210	MLB-1608-1000A-N2			
L1026	00MFC90020210	MLB-1608-1000A-N2			
L1027	00MFC90020210	MLB-1608-1000A-N2			
L1028	00MFC90020210	MLB-1608-1000A-N2			
L1029	00MFC90020210	MLB-1608-1000A-N2			
L1030	00MFC90020210	MLB-1608-1000A-N2			
L1031	00MFC90020210	MLB-1608-1000A-N2			
L1032	00MFC90020210	MLB-1608-1000A-N2			
L1033	00MFC90020210	MLB-1608-1000A-N2			
L1034	00MFC90020210	MLB-1608-1000A-N2			
L1035	00MFC90020210	MLB-1608-1000A-N2			
L1036	00MFC90020210	MLB-1608-1000A-N2			
L1037	00MFC90020210	MLB-1608-1000A-N2			
L1038	00MFC90020210	MLB-1608-1000A-N2			
L1039	00MFC90020210	MLB-1608-1000A-N2			
L1040	00MFC90020210	MLB-1608-1000A-N2			
L1041	00MFC90020210	MLB-1608-1000A-N2			
L1042	00MFC90020210	MLB-1608-1000A-N2			
L1043	00MFC90020210	MLB-1608-1000A-N2			
L1044	00MFC90050130	BL02RN2-R62T2 FERRITE BEAD			
N1001	nsp	B16B-PH-K-S (LF)(SN)			
N1002	nsp	B6B-PH-K-S (LF)(SN)			
N1003	nsp	B10B-PH-K-S (LF)(SN)			
N1004	nsp	B9B-PH-K-S (LF)(SN)			
N1005	nsp	11P FFC BASE(9610SA)			
N1006	nsp	B3B-PH-K-S (LF)(SN)			
N1007	nsp	B11B-PH-K-S (LF)(SN)			
N1008	nsp	B10B-PH-K-S (LF)(SN)			
N1301	nsp	S4B-PH-K-S (LF)(SN)			
N1401	nsp	S10B-PH-K-S (LF)(SN)			
N1402	nsp	S3B-PH-K-S (LF)(SN)			
N1501	nsp	S11B-PH-K-S (LF)(SN)			
N1502	nsp	S4B-PH-K-S (LF)(SN)			
N1901	nsp	B10B-PH-K-S (LF)(SN)			
N6601	nsp	13P SOCKET(C125Z2)			
S1301	66301001200AS	EC12B24T00A4ZZZ ENCORDER			
S1401	66201000830AS	TACT SW			
S1402	66201000830AS	TACT SW			
S1403	66201000830AS	TACT SW			
S1404	66201000830AS	TACT SW			
S1501	66201000830AS	TACT SW			
S1502	66201000830AS	TACT SW			

Ref No.	Part No.	Part Name	Remark	Q'ty	New
S1503	66201000830AS	TACT SW			
S1504	66201000830AS	TACT SW			
S1901	00MSS02021620	SSSU121700			
S1902	00D2140208003	RELAY(NA24W-K)			
Z1901	nsp	M3 SCREW TERMINAL			
Z1902	nsp	M3 SCREW TERMINAL			

## HDAM-SA3D ASS'Y

Ref No.	Part No.	Part Name	Remark	Q'ty	New
DN01	00MHZ20014990	KDS122 TAPING			
DN02	00MHZ20014990	KDS122 TAPING			
DN03	00MHZ20014990	KDS122 TAPING			
DN04	00MHZ20014990	KDS122 TAPING			
JN01	00MYP07005670	IMSA-6065B-06Z065-PT1			
QN01	00D2710318909	2N5401S-RTK/P			
QN02	00D2730479909	2N5551S-RTK/P			
QN03	00D2710318909	2N5401S-RTK/P			
QN04	00D2730479909	2N5551S-RTK/P			
QN05	00D2730479909	2N5551S-RTK/P			
QN06	00D2710318909	2N5401S-RTK/P			
QN07	00D2730479909	2N5551S-RTK/P			
QN08	00D2710318909	2N5401S-RTK/P			
RN01	nsp	10 OHM +-1% 1/4W			
RN02	nsp	10 OHM +-1% 1/4W			
RN05	nsp	10 OHM +-1% 1/4W			
RN06	nsp	10 OHM +-1% 1/4W			