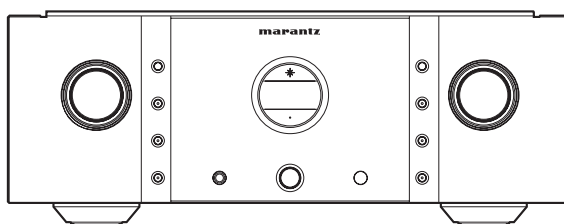


# Service Manual

PM-11S3 /K1G/N1G  
U1B/N1B

Integrated Amplifier



• 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.

# marantz®

## 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

#### EUROPE / TRADING

**D&M EUROPE B. V.**  
P. O. BOX 8744, BUILDING SILVERPOINT  
BEEMDSTRAAT 11, 5653 MA EINDHOVEN  
THE NETHERLANDS  
PHONE : +31 - 40 - 2507844  
FAX : +31 - 40 - 2507860

#### CANADA

**D&M Canada Inc.**  
5-505 APPLE CREEK BLVD.  
MARKHAM, ONTARIO L3R 5B1  
CANADA  
PHONE : 905 - 415 - 9292  
FAX : 905 - 475 - 4159

#### JAPAN

**D&M Holdings Inc.**  
D&M BUILDING, 2-1 NISSHIN-CHO,  
KAWASAKI-KU, KAWASAKI-SHI,  
KANAGAWA, 210-8569 JAPAN

株式会社 ディーアンドエムホールディングス  
本 社 〒210-8569  
神奈川県川崎市川崎区日進町2-1 D&Mビル

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**D&M SALES AND MARKETING KOREA LTD.**  
2F, YEON BLDG.,  
88-5, BANPO-DONG, SEOCHO-GU,  
SEOUL KOREA  
PHONE : +82 - 2 - 715 - 9041  
FAX : +82 - 2 - 715 - 9040

#### CHINA

**D&M SALES AND MARKETING SHANGHAI LTD.**  
ROOM.808 SHANGHAI AIRPORT CITY TERMINAL  
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

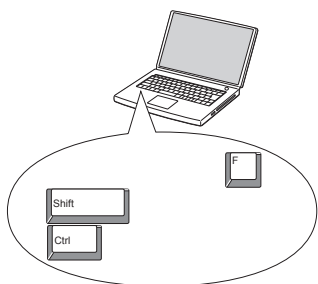
Read the following information before using the service manual.

### What you can do with this manual

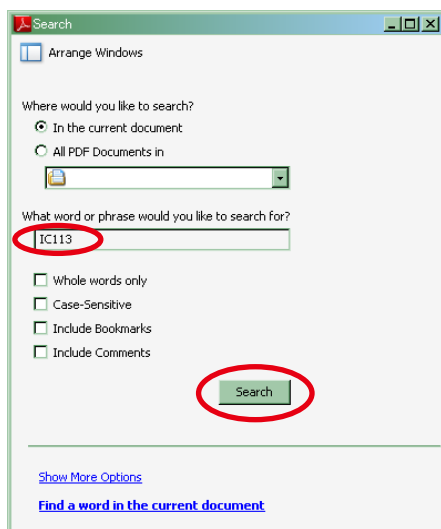
#### Search for a Ref. No. (phrase) (Ctrl+Shift+F)

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.

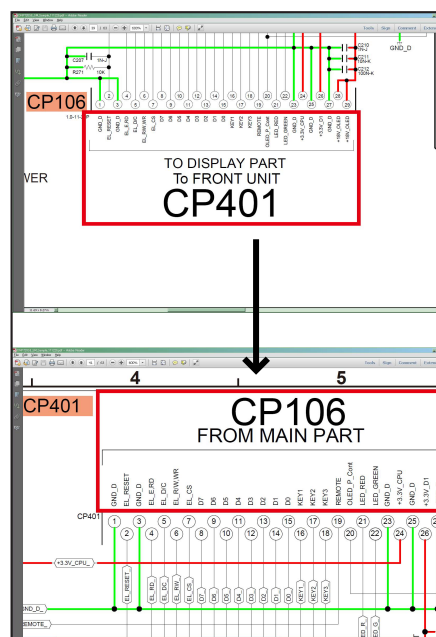


3. Click an item on the list.
  - The screen jumps to the page for that item, and the search phrase is displayed.

#### 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)

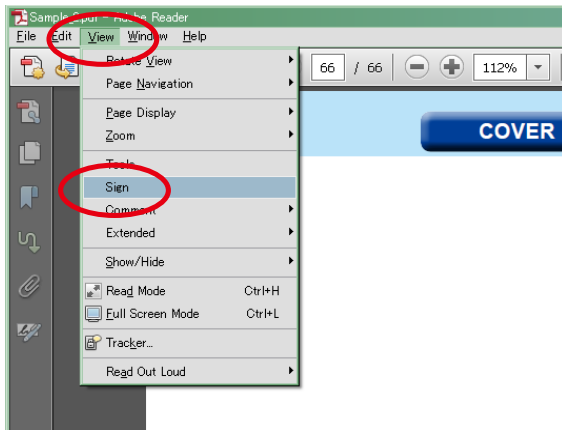
### Add notes to this data (Sign)

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]

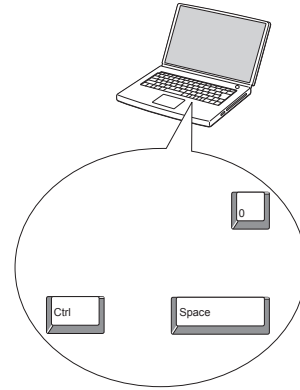
On the "Document" menu, click "Sign".

### 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.



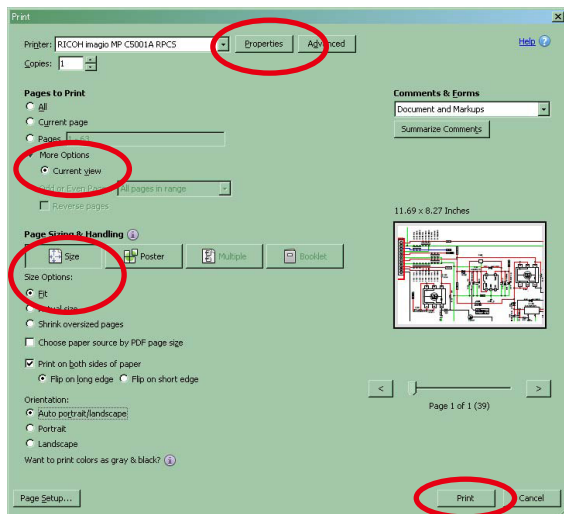
- When you want to move the area shown, hold down **Space** and drag the mouse.

- 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"

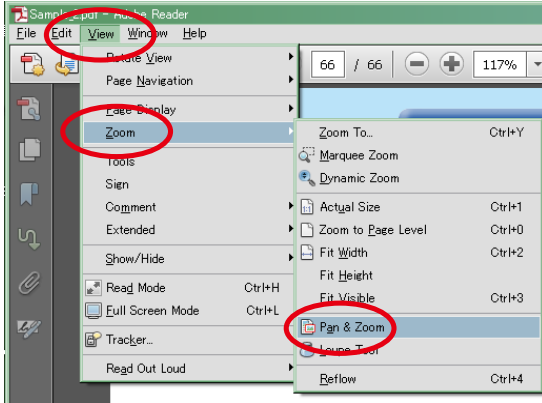
## Magnify schematic / printed wiring board diagrams - 2

### (Pan & Zoom function)

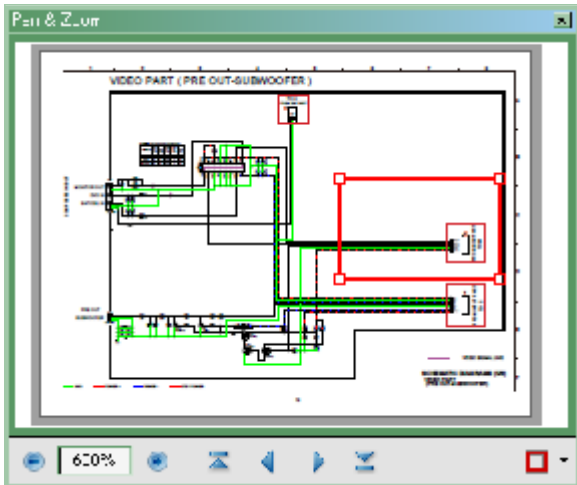
The Pan & Zoom function lets you see which part of a magnified diagram is being shown in a separate window.

#### [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".

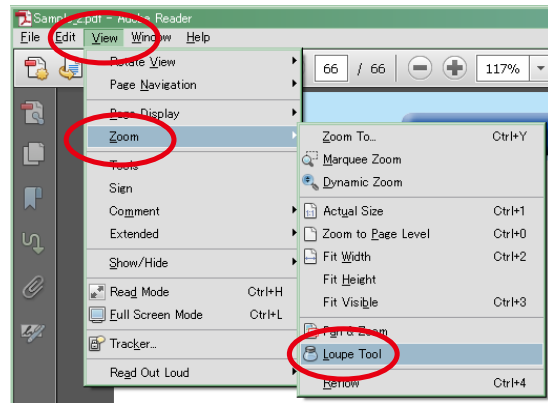
## Magnify schematic / printed wiring board diagrams - 3

### (Loupe Tool function)

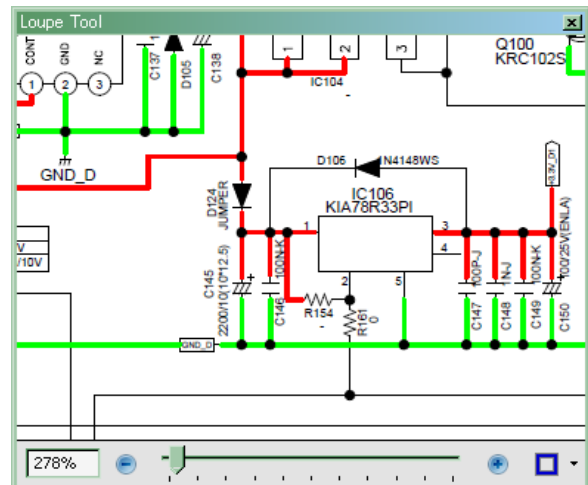
The Loupe Tool function lets you magnify a specific part of a diagram in a separate window.

#### [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 ⚠ 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

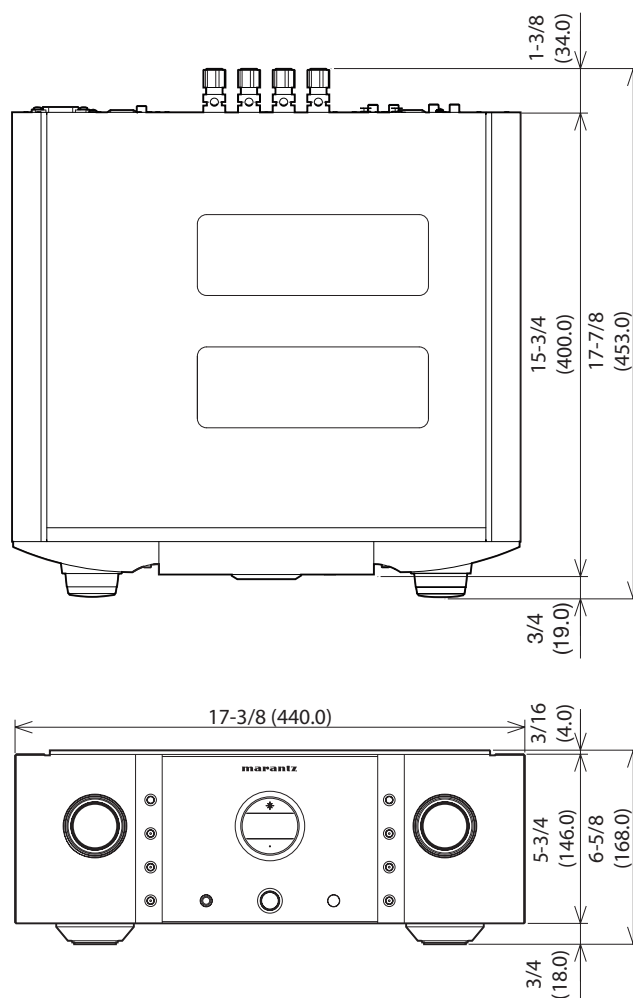
1. Parts indicated by "nsp" on this table cannot be supplied.
2. When ordering a part, make a clear distinction between "1" and "I" (i) to avoid mis-supplying.
3. A part ordered without specifying its part number can not be supplied.
4. Part indicated by "★" mark is not illustrated in the exploded view.
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 ⚠ mark have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.

## TECHNICAL SPECIFICATIONS

|                                                                                              |                                    |
|----------------------------------------------------------------------------------------------|------------------------------------|
| • <b>RMS Power output:</b><br>(20 Hz - 20 kHz 2-channel simultaneously driven)               | 100 W × 2 (8 Ω)<br>200 W × 2 (4 Ω) |
| • <b>Total harmonic distortion:</b><br>(20 Hz - 20 kHz 2-channel simultaneously driven, 8 Ω) | 0.01 %                             |
| • <b>Output band width:</b> (8 Ω, 0.05 %)                                                    | 5 Hz - 45 kHz                      |
| • <b>Frequency response:</b> (CD, 1 W, 8 Ω load)                                             | 5 Hz - 120 kHz ± 3 dB              |
| • <b>Damping factor:</b> (8 Ω, 20 Hz - 20 kHz)                                               | 100                                |
| • <b>Input sensitivity/Input impedance</b>                                                   |                                    |
| 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                      |
| • <b>Output voltage/Output impedance</b>                                                     |                                    |
| PRE OUT:                                                                                     | 1.9 V / 220 Ω                      |
| • <b>Maximum allowable PHONO input level</b> (1 kHz)                                         |                                    |
| MC:                                                                                          | 10 mV                              |
| MM:                                                                                          | 105 mV                             |
| • <b>RIAA deviation:</b> (20 Hz-20 kHz)                                                      | ± 0.5 dB                           |
| • <b>S/N</b> (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)   |
| • <b>Tone control</b>                                                                        |                                    |
| BASS (50 Hz):                                                                                | ± 8 dB                             |
| TREBLE (20 kHz):                                                                             | ± 8 dB                             |
| • <b>Power requirement:</b>                                                                  |                                    |
|                                                                                              | U: AC 120 V, 60 Hz                 |
|                                                                                              | N: AC 230 V, 50/60 Hz              |
|                                                                                              | K: AC 220 V, 50 Hz                 |
|                                                                                              | 300 W                              |
| • <b>Power consumption:</b>                                                                  |                                    |
| • <b>Standby power consumption:</b>                                                          | 0.2 W                              |

## DIMENSION

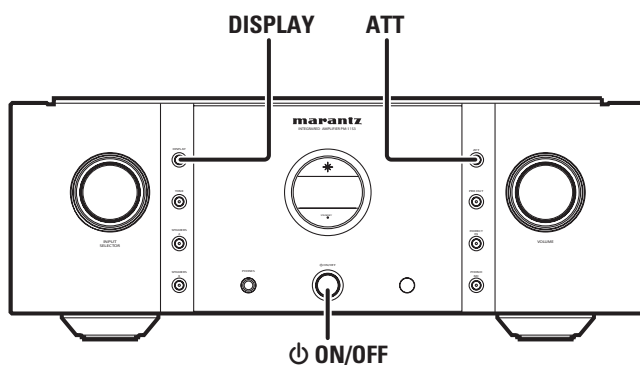


## CAUTIONS IN SERVICING

### 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  $\phi$  ON/OFF button.
2. Press  $\phi$  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.

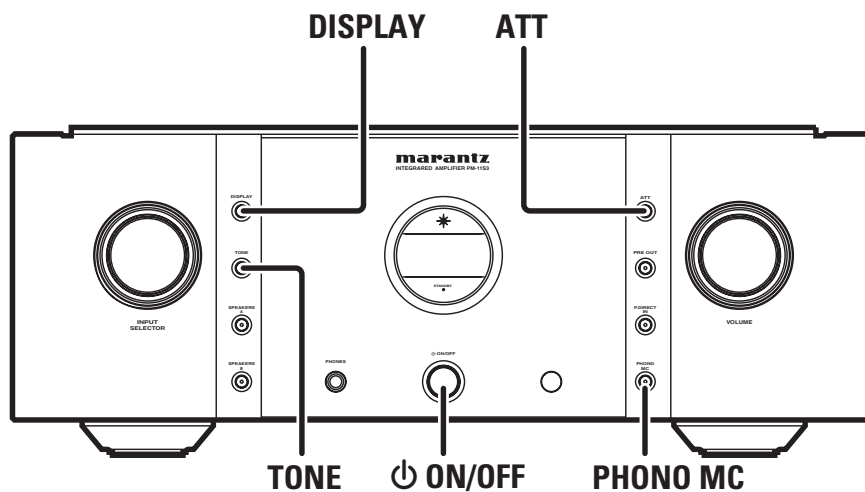
1. When screws and washers are removed, those parts must be set to the same places.
2. When wires are removed, the wires must be installed in the same roots, same places.
3. Do not hold the side panel (013D) to move the unit when the unit is disassembled.

## 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.

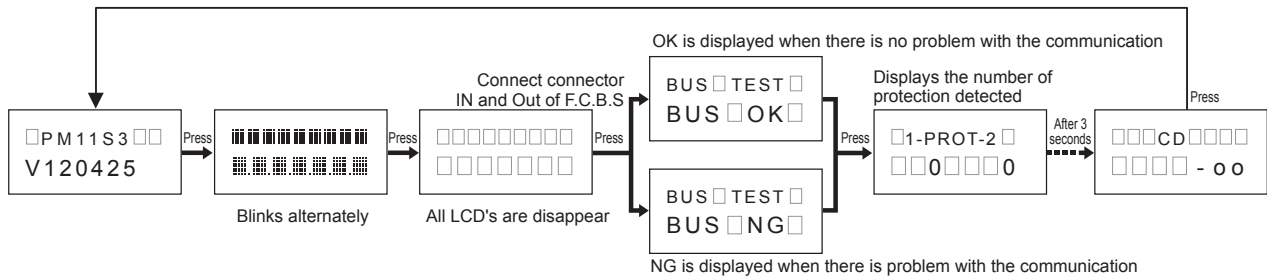
| No. | Mode                     | Button A | Button B | Contents                                                                                                         |
|-----|--------------------------|----------|----------|------------------------------------------------------------------------------------------------------------------|
| 1   | SERVICE MODE             | DISPLAY  | ATT      | "Model name, Version and other information are displayed.<br>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

1. 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.

2. 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

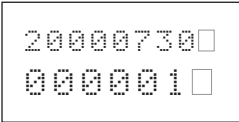
|                     |          |                     |          |
|---------------------|----------|---------------------|----------|
| ID No. :            | 0        | DISPLAY :           | ON       |
| SIDE ILLUMINATION : | ON       | TONE :              | OFF      |
| LEVEL TRIM :        | 0.0(L/R) | PHONO MC :          | OFF (MM) |
| BASS TRIM :         | 0        | PRE OUT :           | OFF      |
| TREBLE TRIM :       | 0        | POWER AMP DIRECT :  | OFF      |
| ATT :               | -20 dB   | SPEAKER A :         | OFF      |
| ATT :               | OFF      | SPEAKER B :         | OFF      |
| VOLUME :            | -∞       | POWER ON/STANDBY :  | ON       |
| INPUT SELECTOR :    | CD       | 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

1. 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.

2. 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.<br>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.<br>If the amplifier with ID No. 1 is connected to the amplifier with ID No. 0, set ID numbers properly.<br>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 PROT\_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.

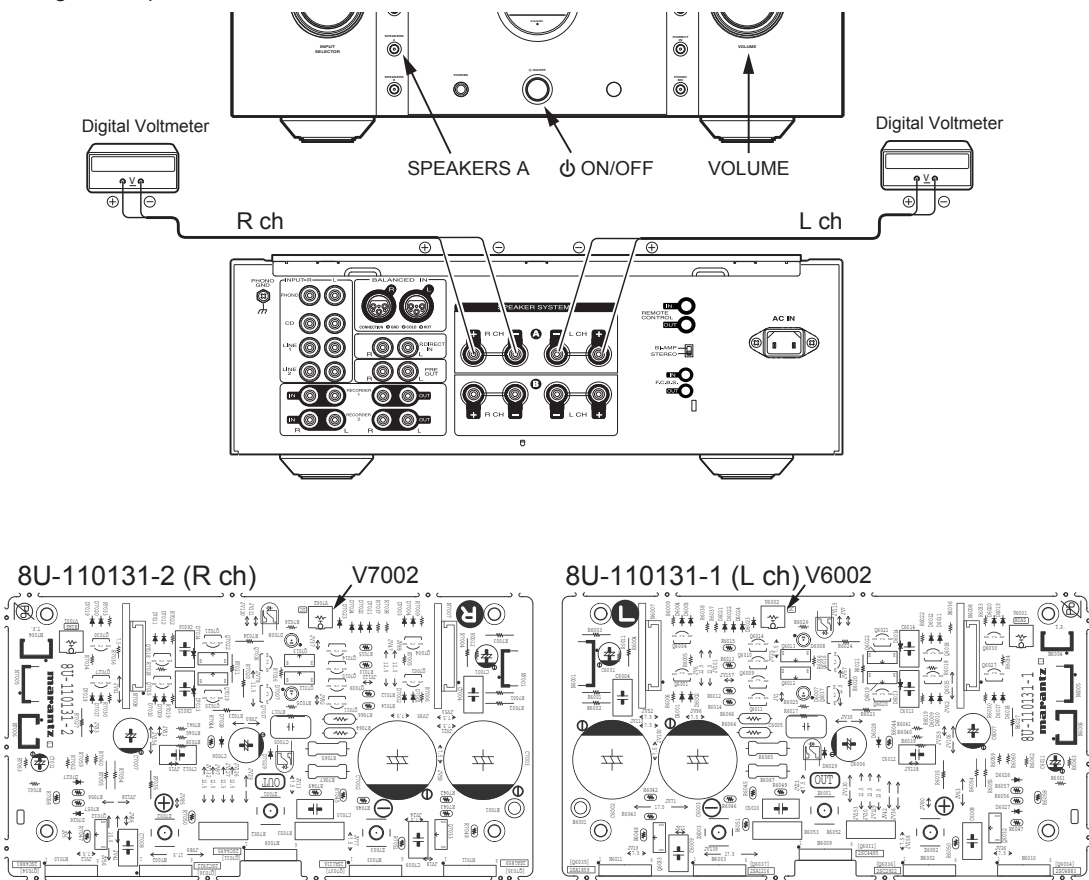
## ALIGNMENTS

### Adjustment Procedure

Set the power voltage to rated voltage for this adjustment.

### DC Offset Voltage Adjustment

1. Before turning on the power,

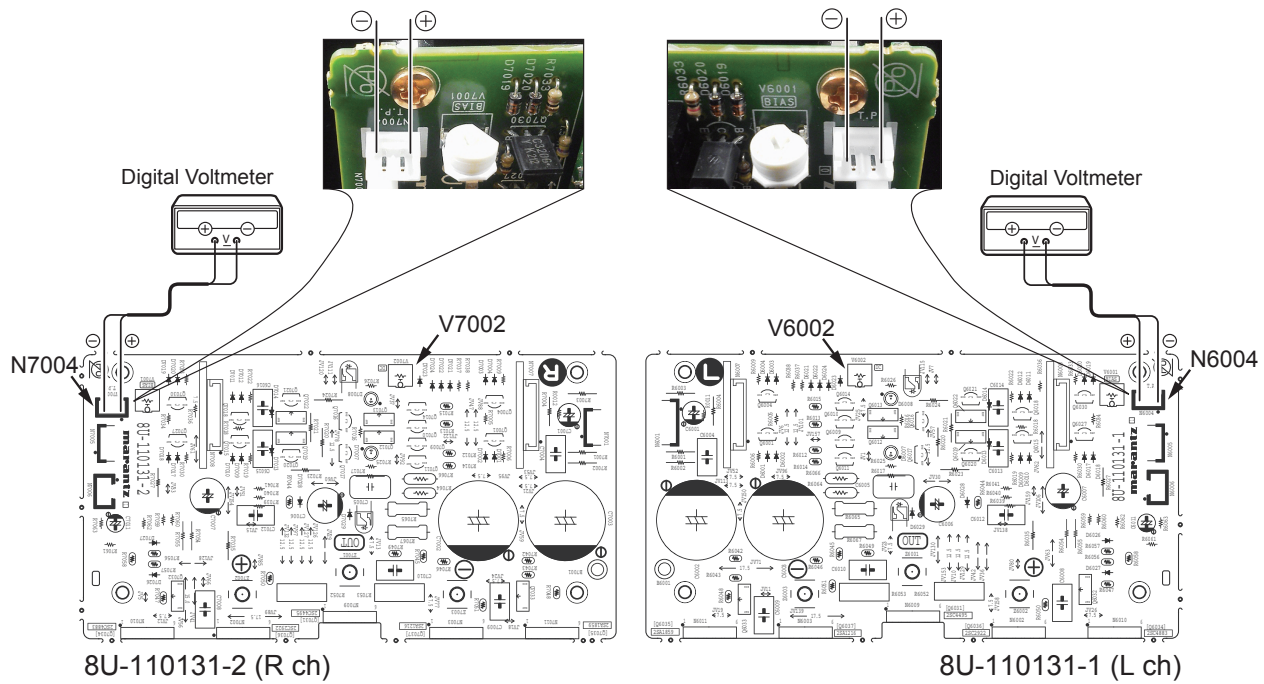


Insert Digital Voltage Meter between the SPEAKER SYSTEMS A (L CH) "+" and "-".

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

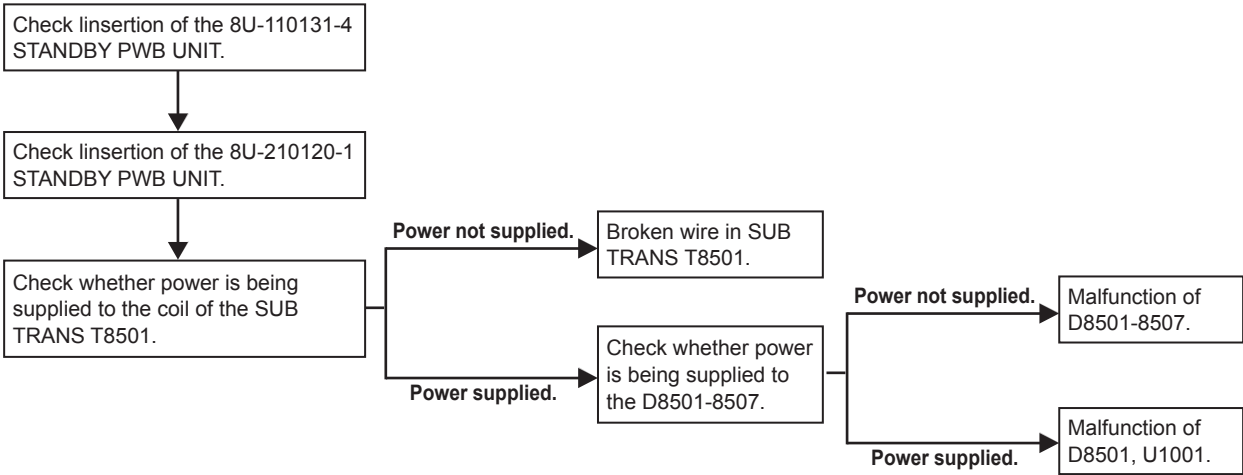


1. After DC Offset Voltage Adjustment is completed, adjust the Idling Current with the variable resistor **V6001** and **V7001** on the PWB (8U-110131-1/8U-110131-2).
2. Turn off the power.
3. "+" of Connect Digital Voltage is connected to the No. 1 pin and connected "-" to No. 3 pin of **N6004**.
4. "+" 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.

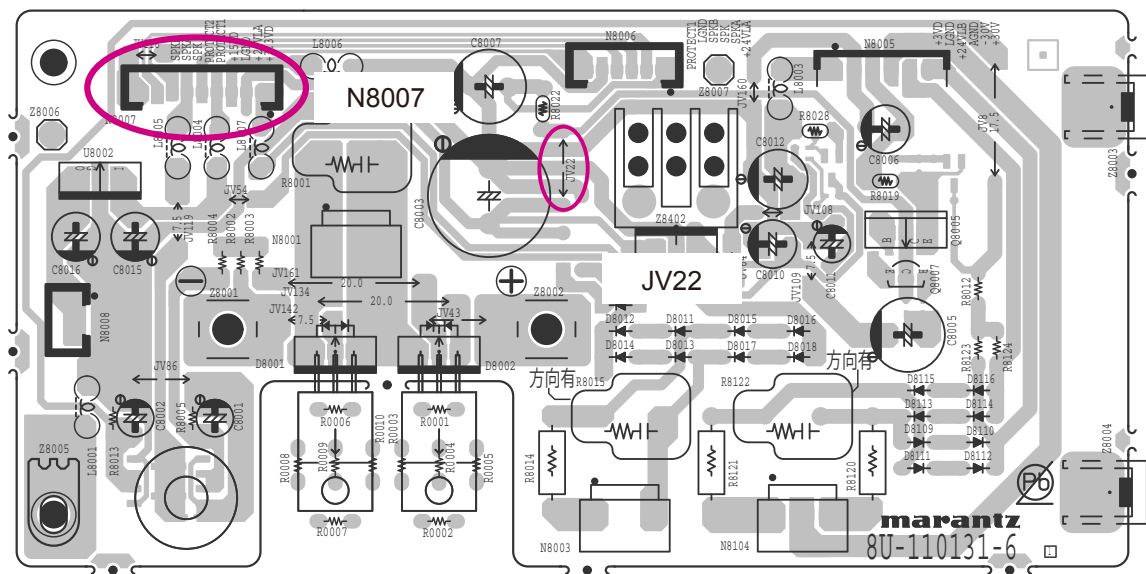
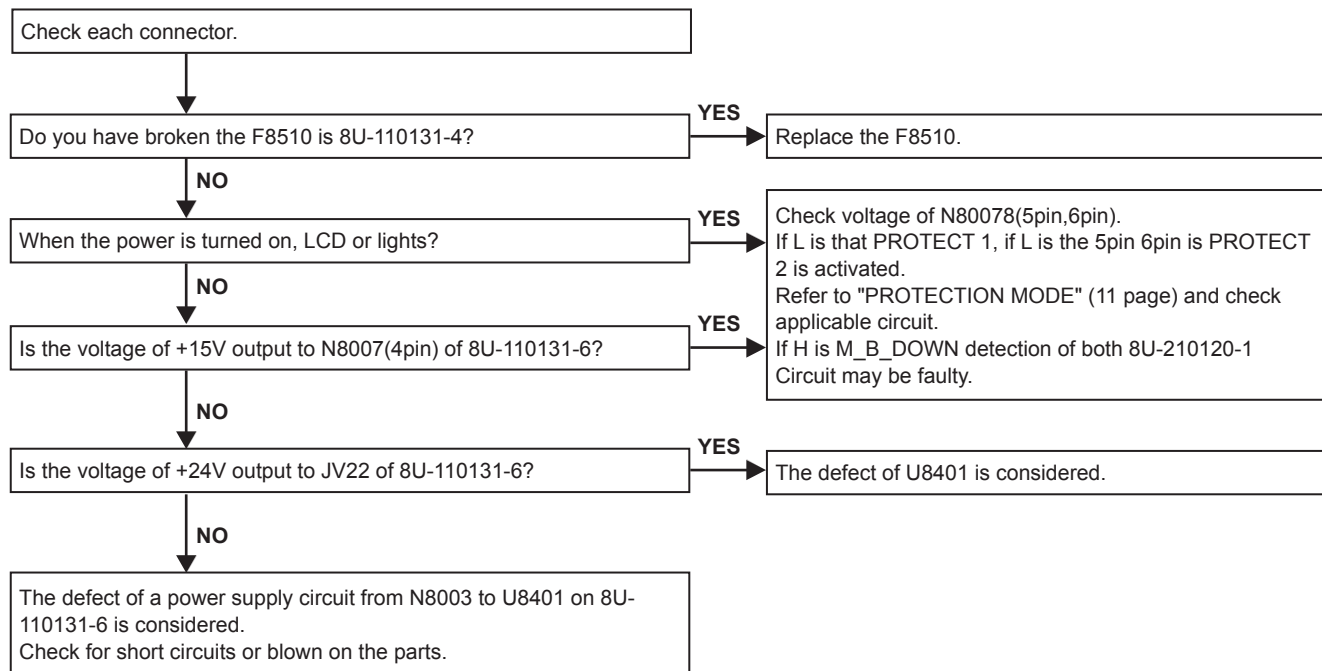
Adjustment is completed.
9. Remove connection cable, attach the top cover.

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)

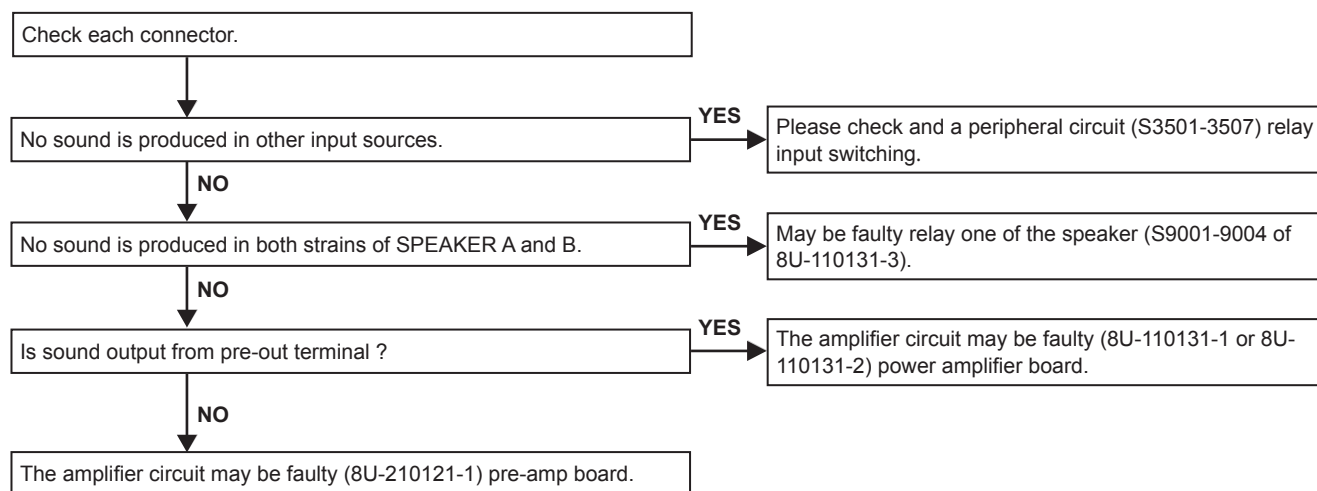


### 3.STANDBY LED FLASHES WHILE USING UNIT (PROTECTION CIRCUIT IS SET)

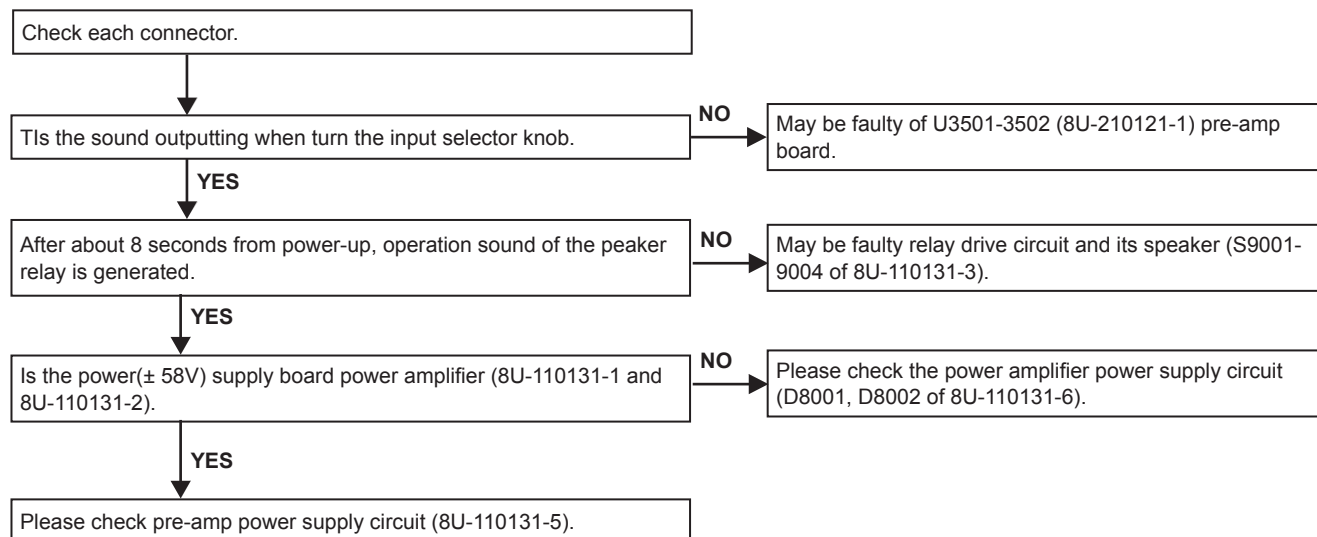


### 4.THE POWER TURNED ON, BUT A SOUND DOES NOT OUTPUT NORMALLY

4.1. There is no sound from one channel.

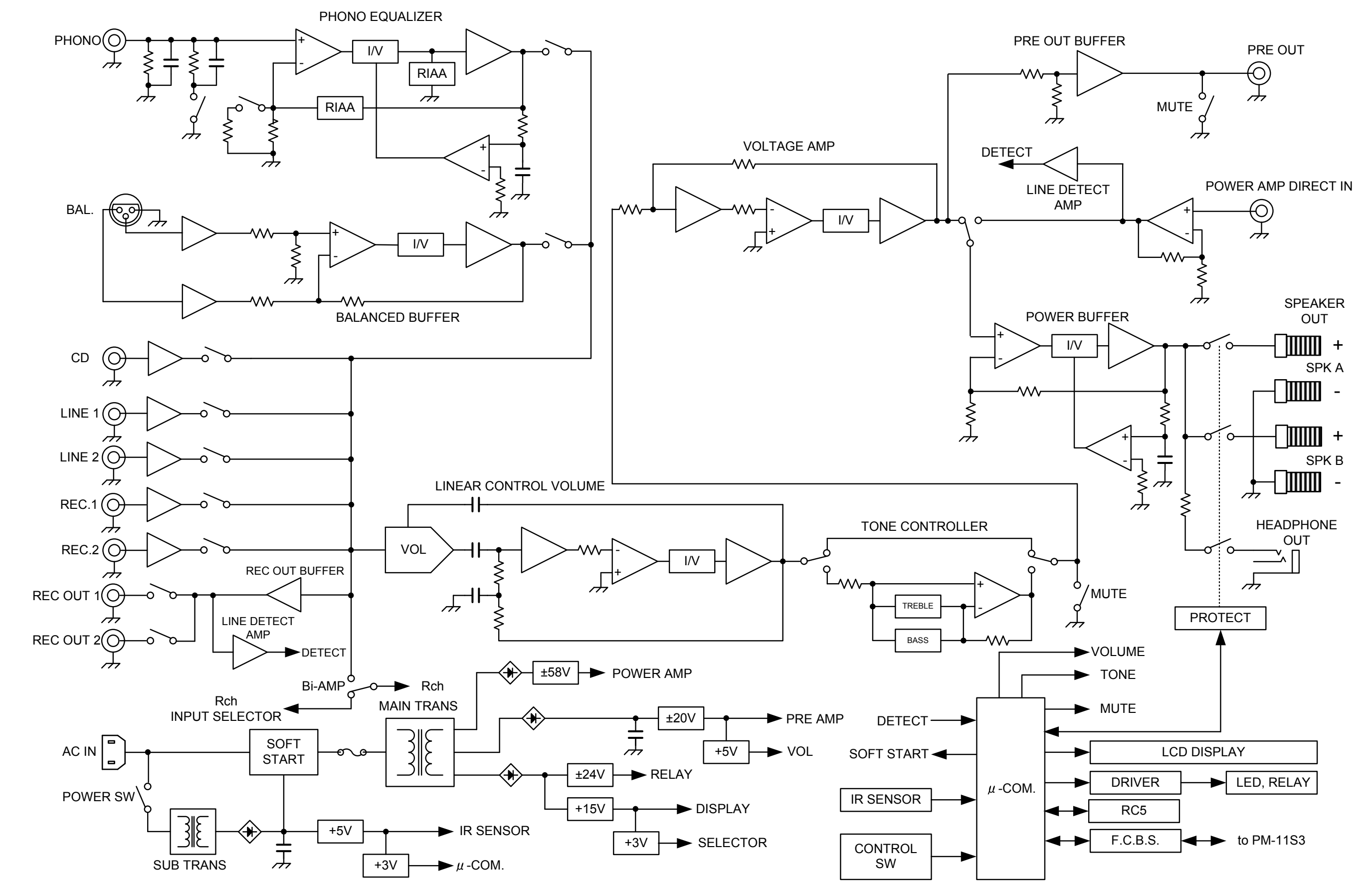


4.2. There is no sound from both channel.

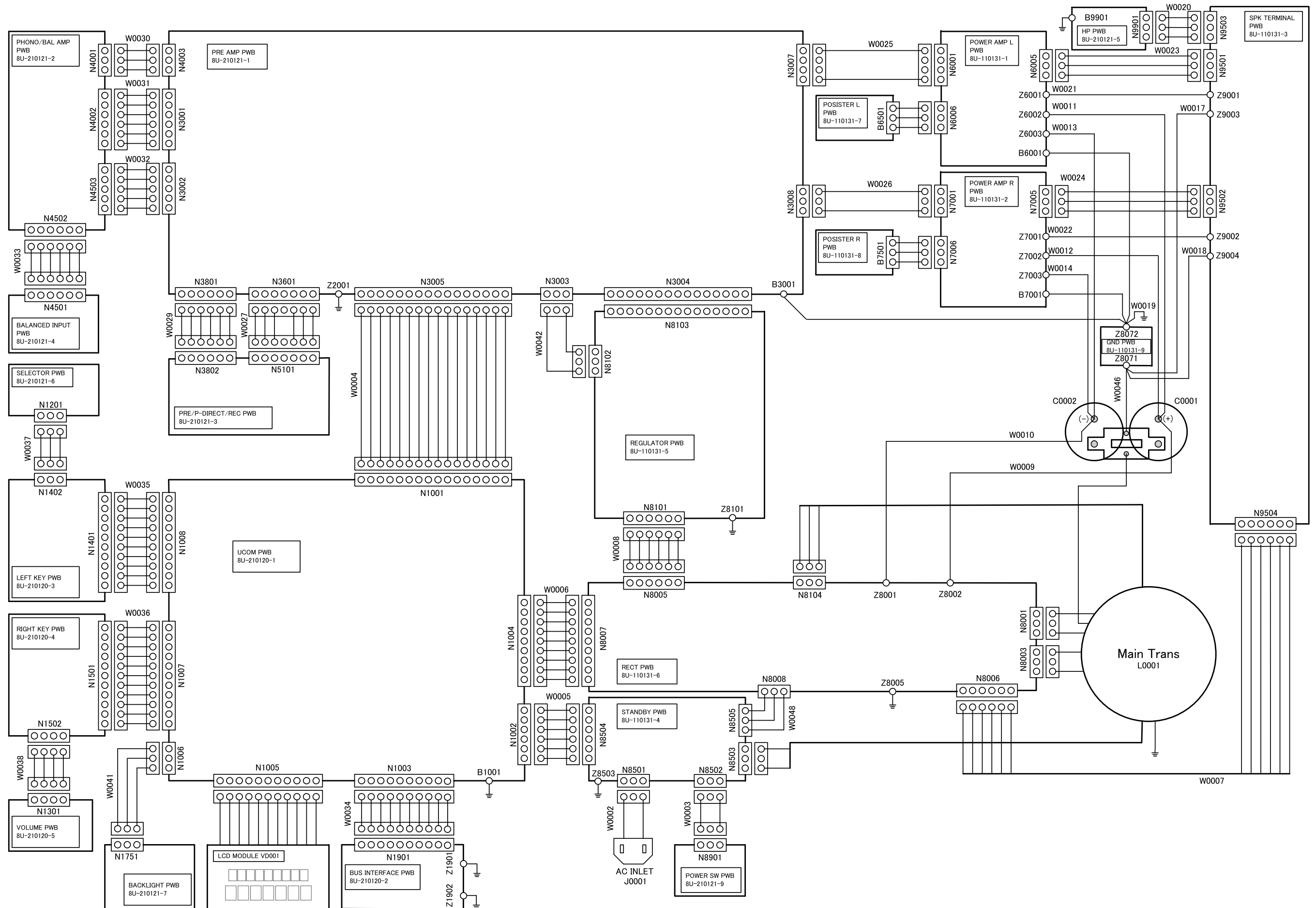


Personal notes:

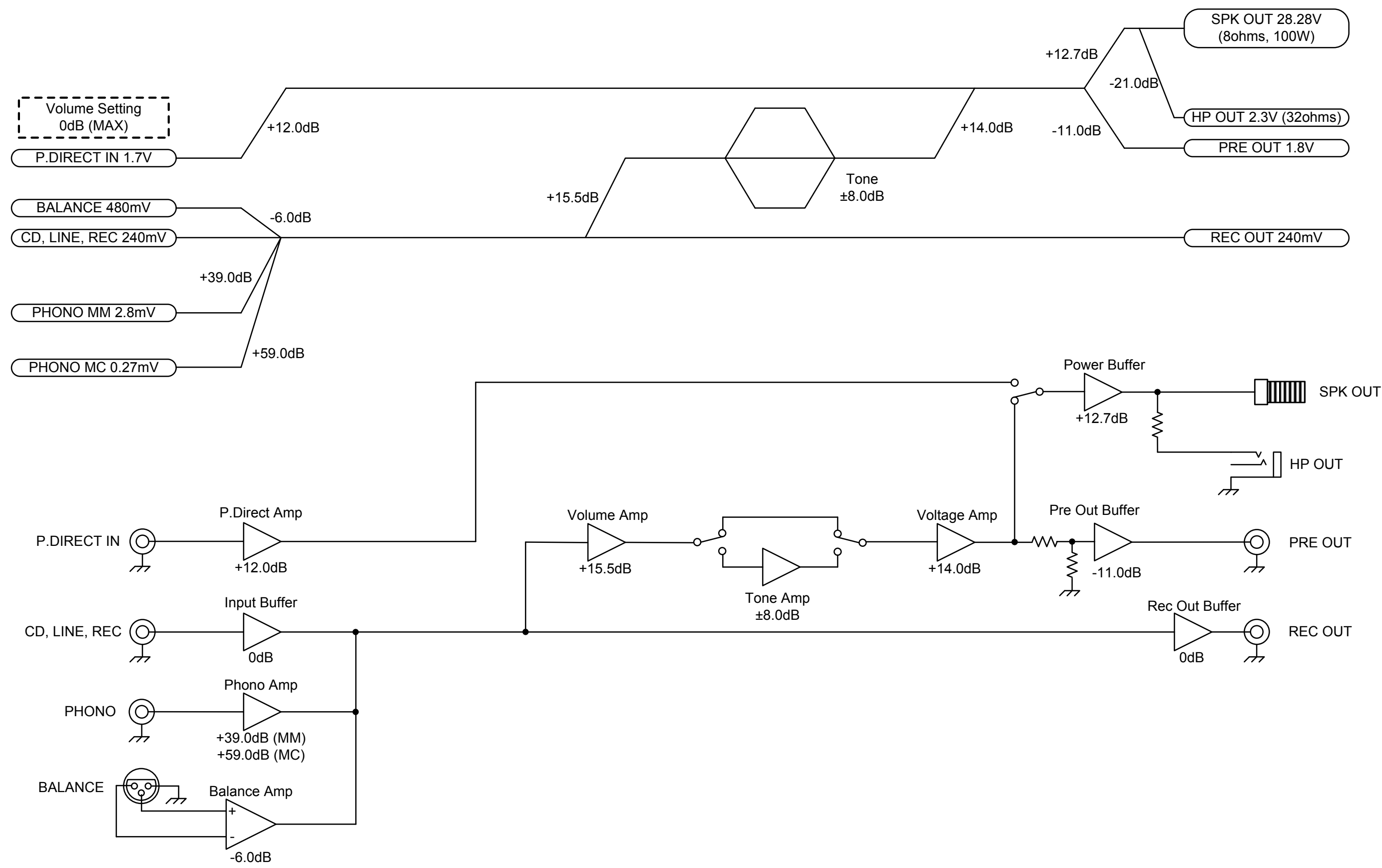
BLOCK DIAGRAM



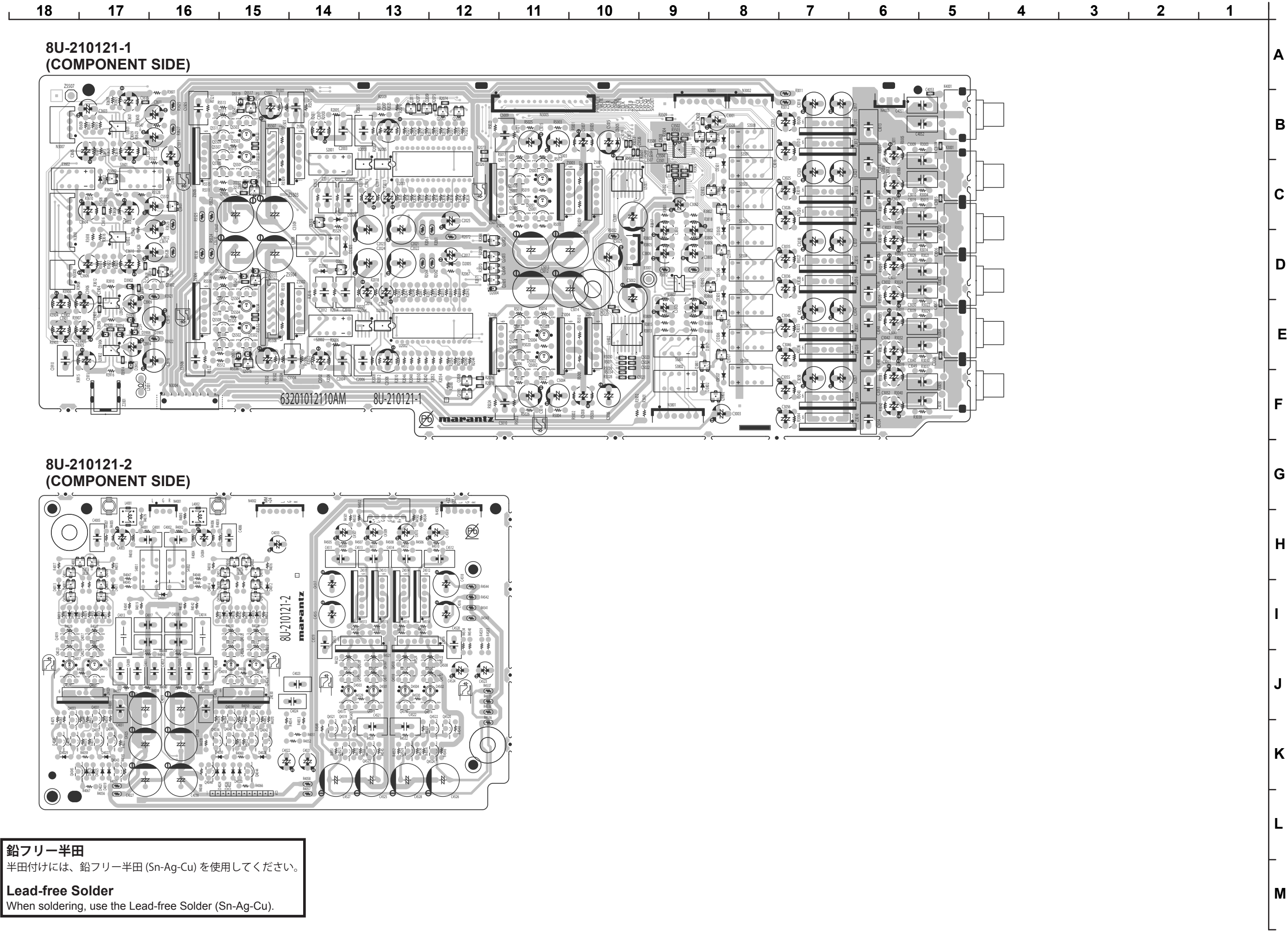
## WIRING DIAGRAM



LEVEL DIAGRAM

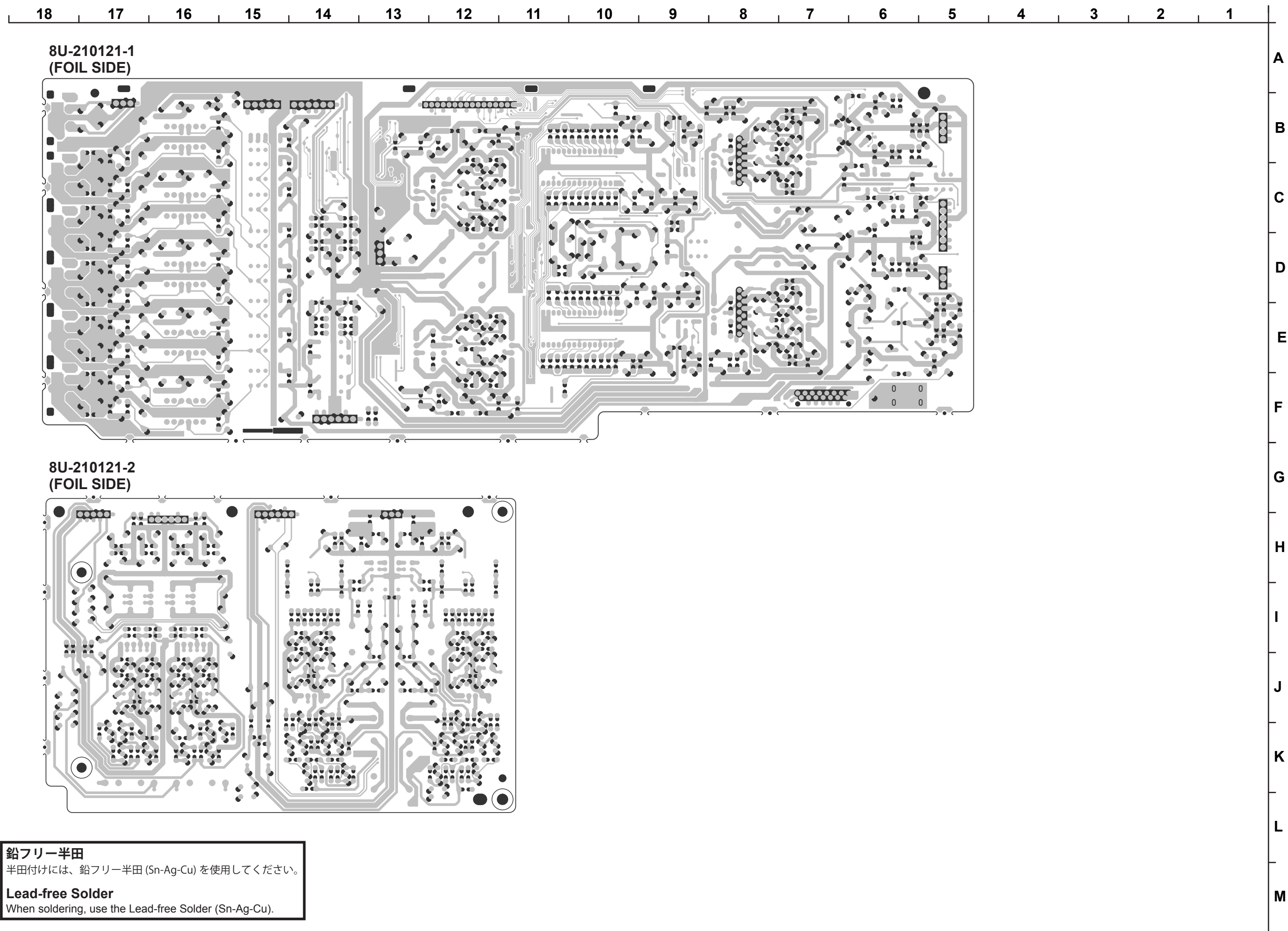


PRINTED WIRING BOARDS



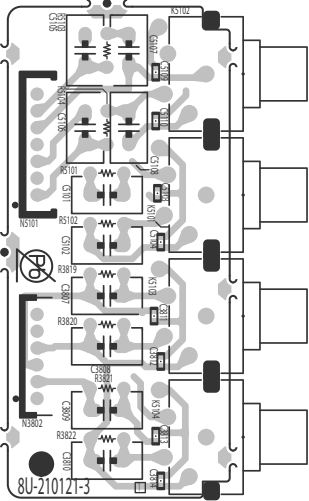
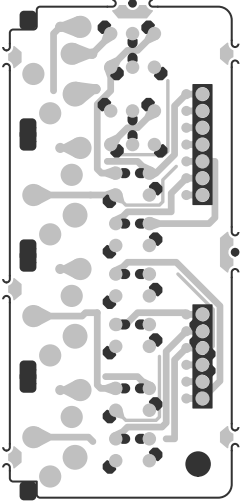
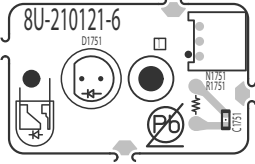
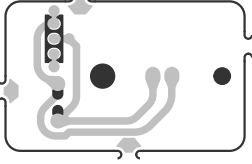
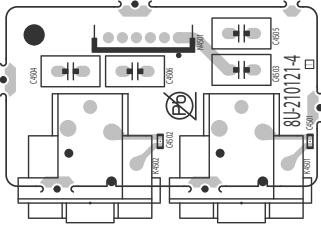
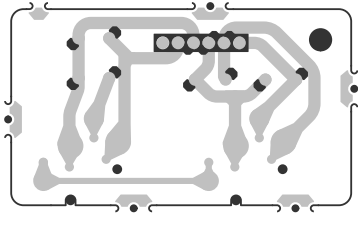
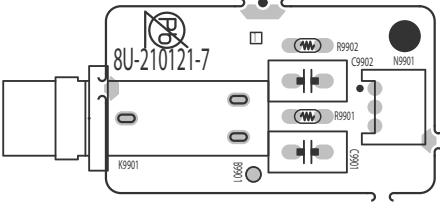
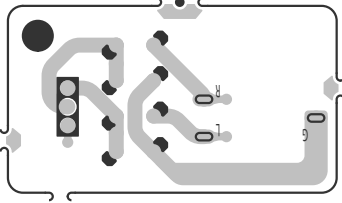
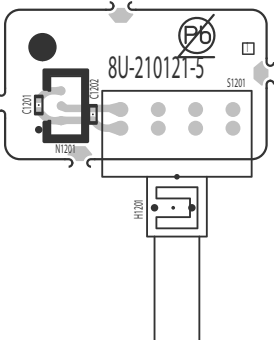
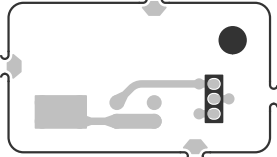
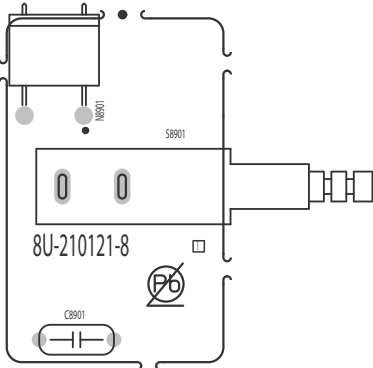
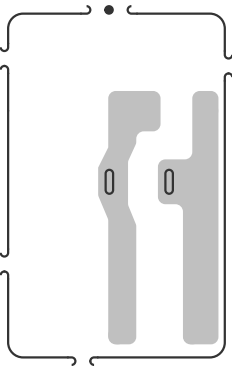
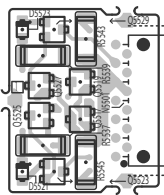
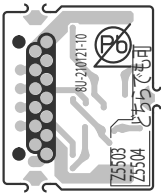
**鉛フリー半田**  
半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。

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



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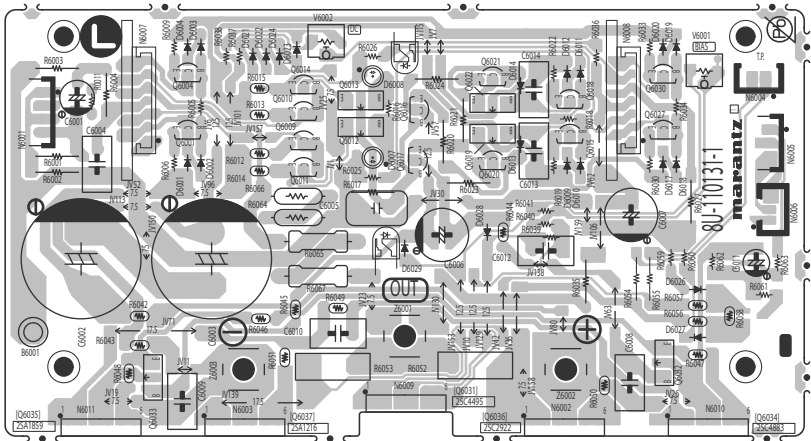
**Lead-free Solder**  
When soldering, use the Lead-free Solder (Sn-Ag-Cu).

| 18                                                                                                                                                                                                                                                       | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|----|----|----|----|---|---|---|---|---|---|---|---|---|---|
| 8U-210121-3                                                                                                                                                                                                                                              |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | A |
| <div> <div>(COMPONENT SIDE)</div>  </div> <div> <div>(FOIL SIDE)</div>  </div>          |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | B |
| 8U-210121-6                                                                                                                                                                                                                                              |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | C |
| <div> <div>(COMPONENT SIDE)</div>  </div> <div> <div>(FOIL SIDE)</div>  </div>     |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | D |
| 8U-210121-4                                                                                                                                                                                                                                              |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | E |
| <div> <div>(COMPONENT SIDE)</div>  </div> <div> <div>(FOIL SIDE)</div>  </div>      |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | F |
| 8U-210121-7                                                                                                                                                                                                                                              |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | G |
| <div> <div>(COMPONENT SIDE)</div>  </div> <div> <div>(FOIL SIDE)</div>  </div>  |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | H |
| 8U-210121-5                                                                                                                                                                                                                                              |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | I |
| <div> <div>(COMPONENT SIDE)</div>  </div> <div> <div>(FOIL SIDE)</div>  </div>     |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | J |
| 8U-210121-8                                                                                                                                                                                                                                              |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | K |
| <div> <div>(COMPONENT SIDE)</div>  </div> <div> <div>(FOIL SIDE)</div>  </div>  |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | L |
| 8U-210121-10                                                                                                                                                                                                                                             |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | M |
| <div> <div>(COMPONENT SIDE)</div>  </div> <div> <div>(FOIL SIDE)</div>  </div> |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   |   |

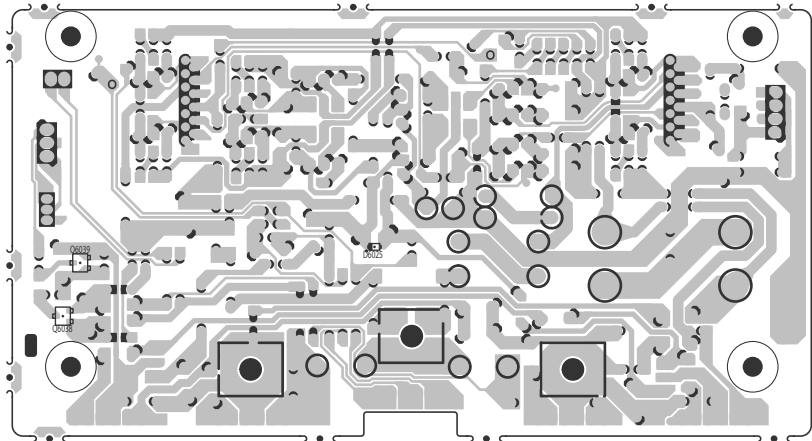
**鉛フリー半田**  
 半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。

**Lead-free Solder**  
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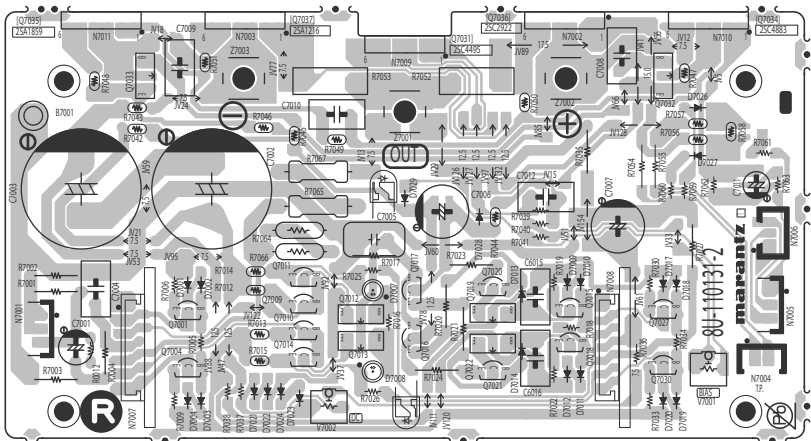
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(COMPONENT SIDE)



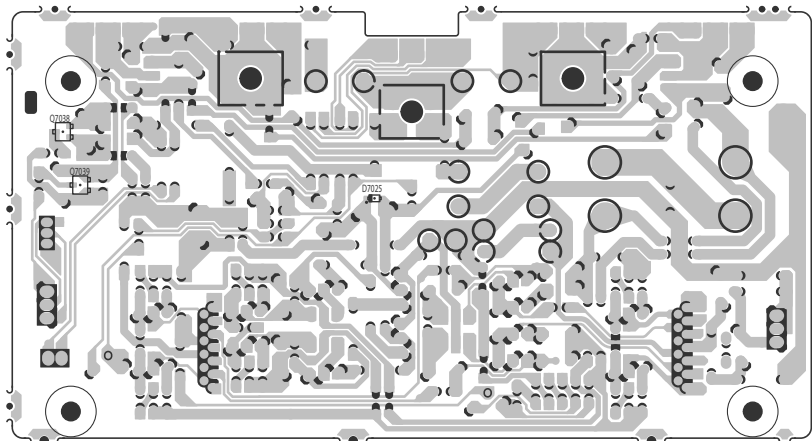
8U-110131-1  
(FOIL SIDE)



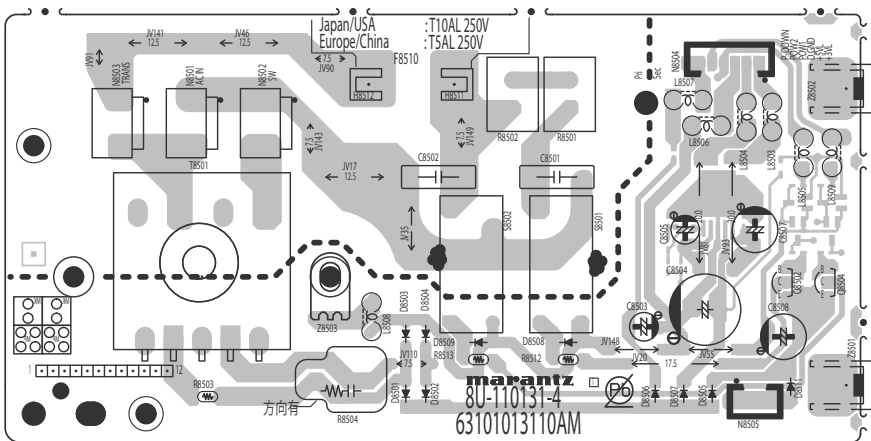
8U-110131-2  
(COMPONENT SIDE)



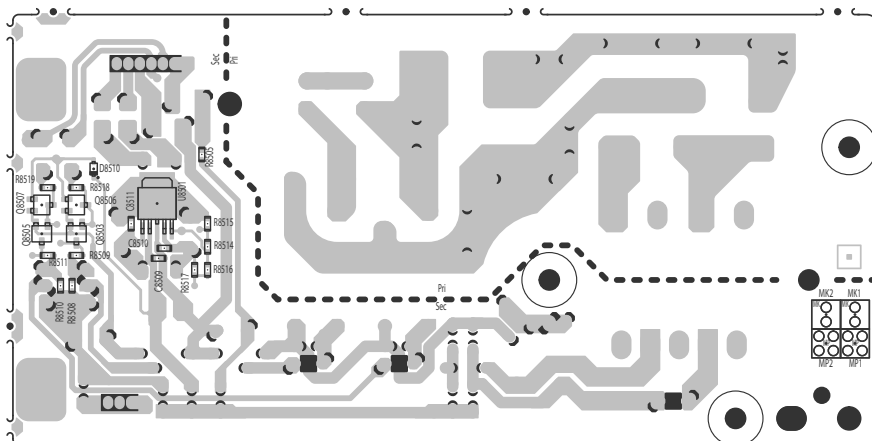
8U-110131-2  
(FOIL SIDE)



8U-110131-4  
(COMPONENT SIDE)

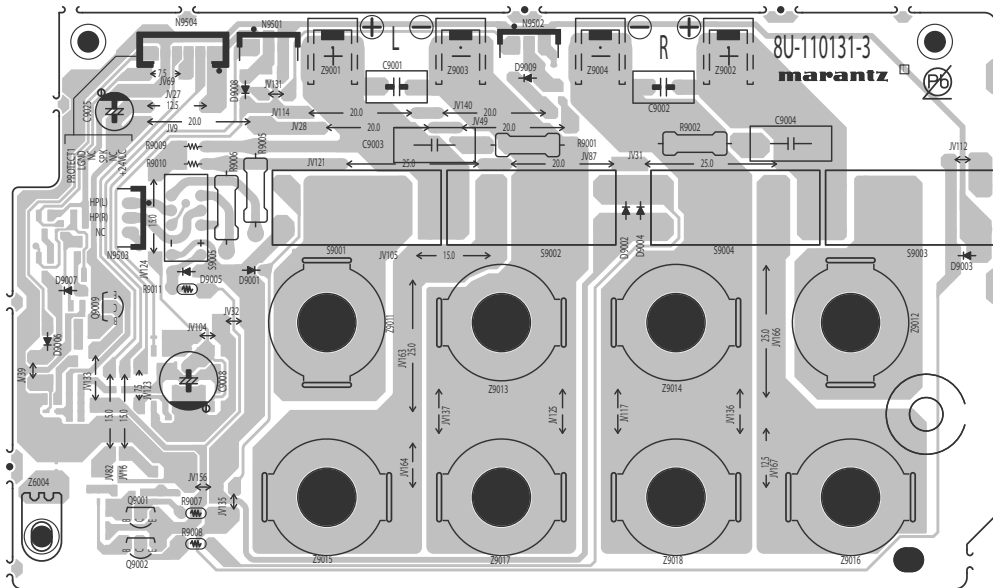
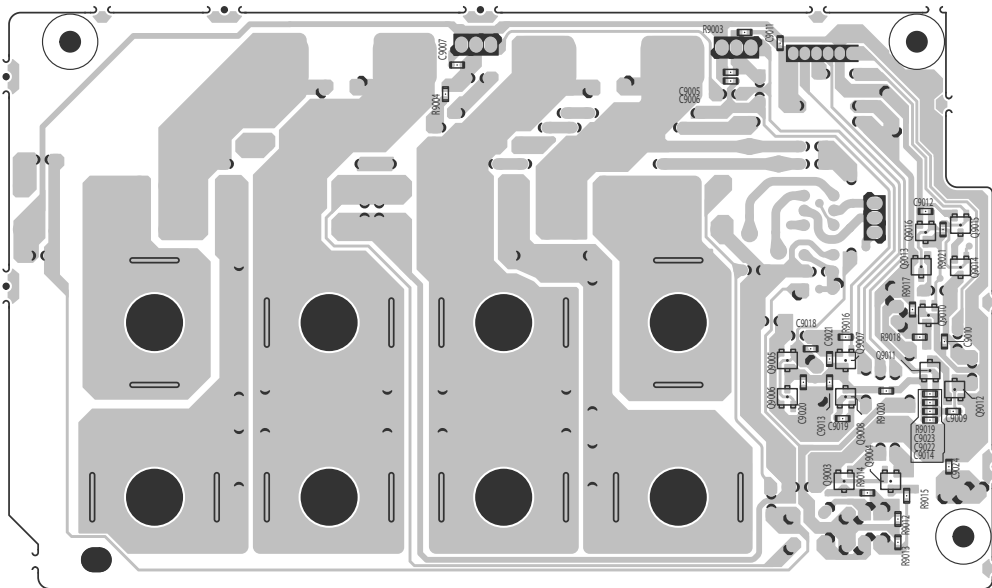
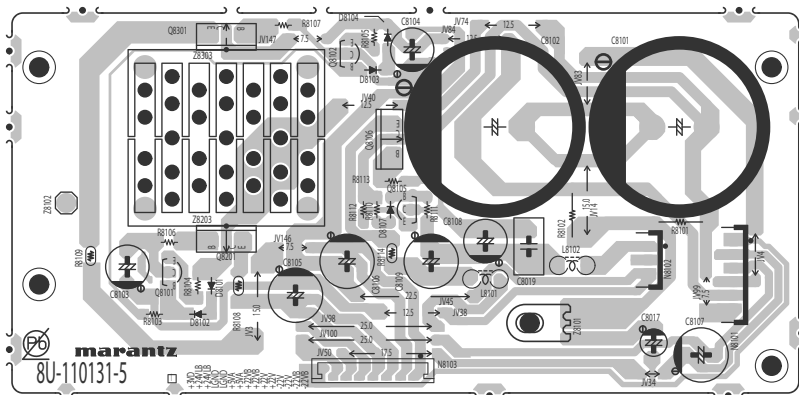
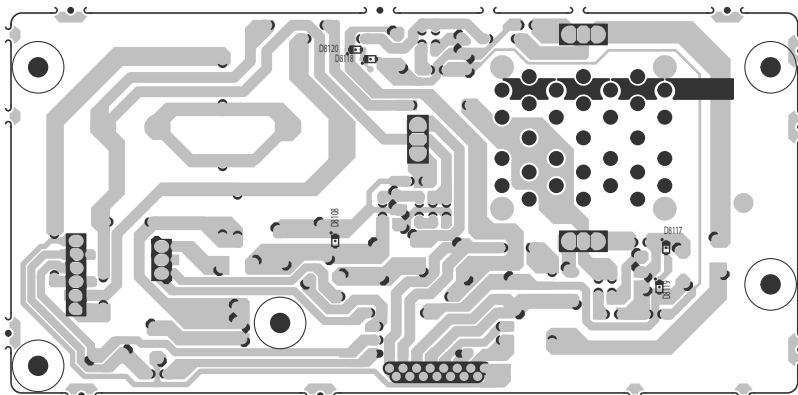
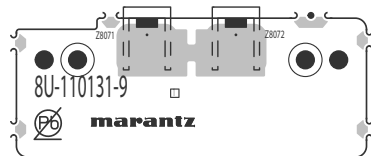
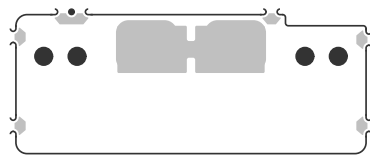
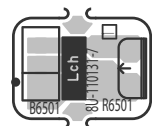
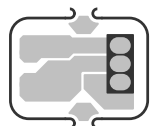
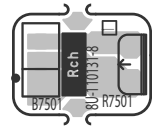
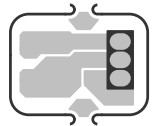


8U-110131-4  
(FOIL SIDE)



**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).

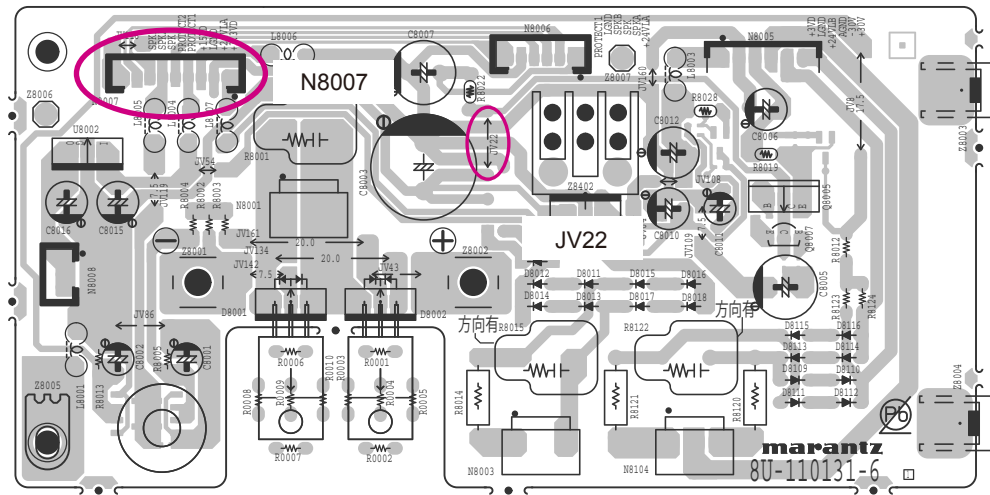
|                                                                                                                                   |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   |   |  |
|-----------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|----|----|----|----|---|---|---|---|---|---|---|---|---|---|--|
| 18                                                                                                                                | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |   |  |
| <div>8U-110131-3<br/>(COMPONENT SIDE)</div>     |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | A |  |
| <div>8U-110131-3<br/>(FOIL SIDE)</div>         |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | B |  |
|                                                                                                                                   |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | C |  |
|                                                                                                                                   |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | D |  |
|                                                                                                                                   |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | E |  |
| <div>8U-110131-5<br/>(COMPONENT SIDE)</div>     |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | F |  |
| <div>8U-110131-5<br/>(FOIL SIDE)</div>        |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | G |  |
|                                                                                                                                   |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | H |  |
|                                                                                                                                   |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | I |  |
| <div>8U-110131-9<br/>(COMPONENT SIDE)</div>    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | J |  |
| <div>8U-110131-9<br/>(FOIL SIDE)</div>        |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | K |  |
| <div>8U-110131-7<br/>(COMPONENT SIDE)</div>  |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | L |  |
| <div>8U-110131-7<br/>(FOIL SIDE)</div>       |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | M |  |
| <div>8U-110131-8<br/>(COMPONENT SIDE)</div>  |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   |   |  |
| <div>8U-110131-8<br/>(FOIL SIDE)</div>       |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   |   |  |

**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。

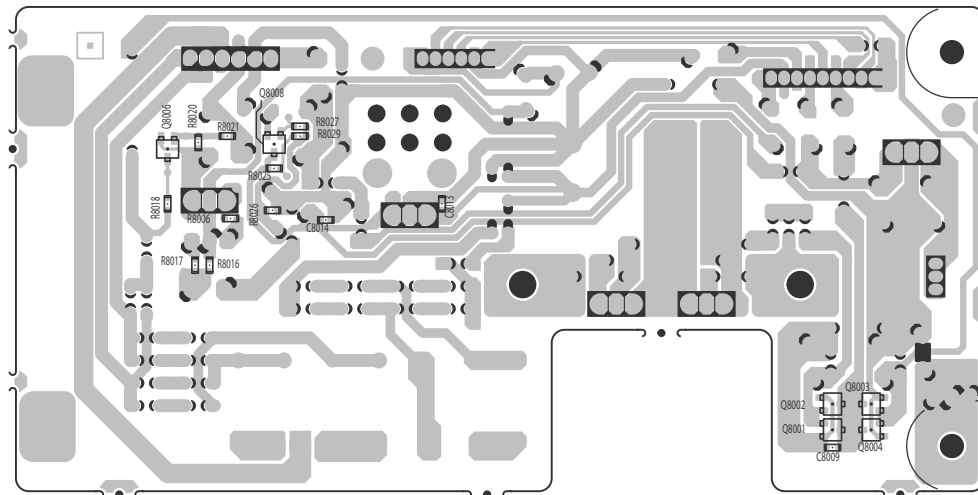
**Lead-free Solder**  
When soldering, use the Lead-free Solder (Sn-Ag-Cu).

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。
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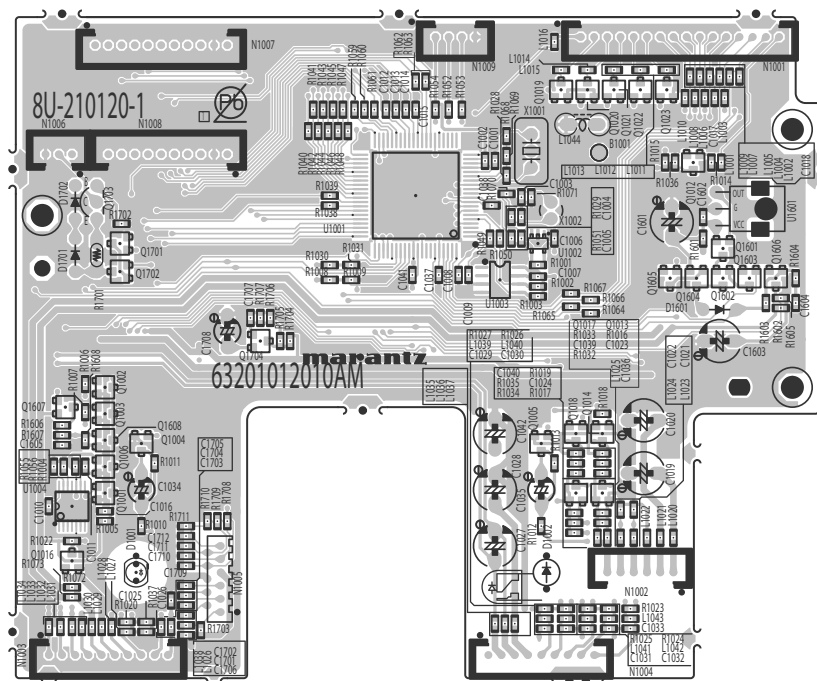
**8U-110131-6**  
**(COMPONENT SIDE)**



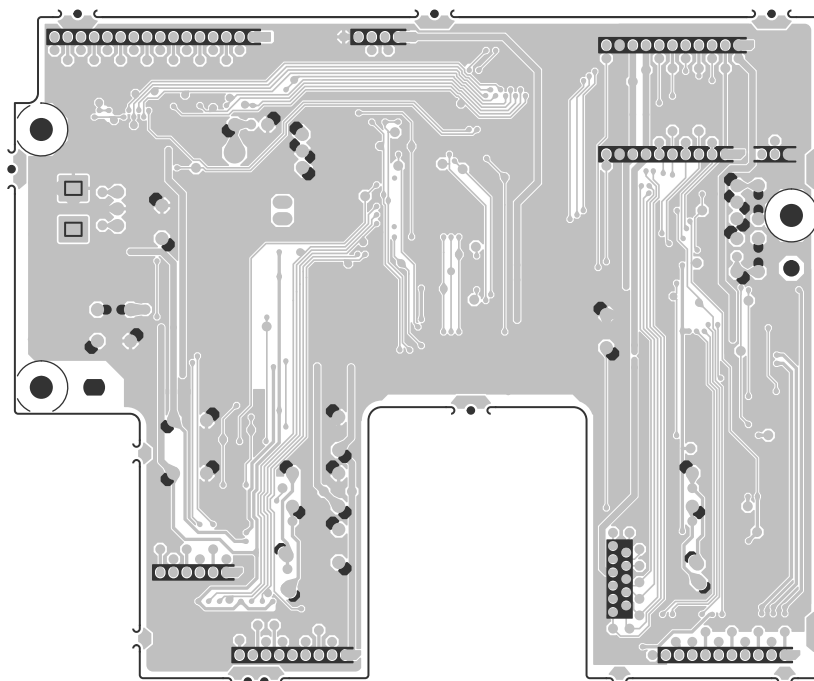
**8U-110131-6**  
**(FOIL SIDE)**



**8U-210120-1**  
**(COMPONENT SIDE)**

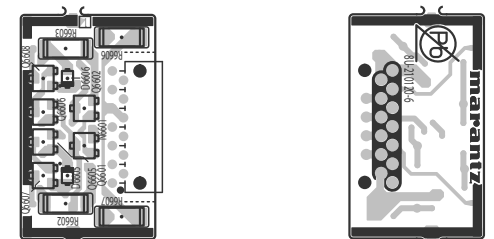


**8U-210120-1**  
**(FOIL SIDE)**



8U-210120-6

(COMPONENT SIDE) (FOIL SIDE)

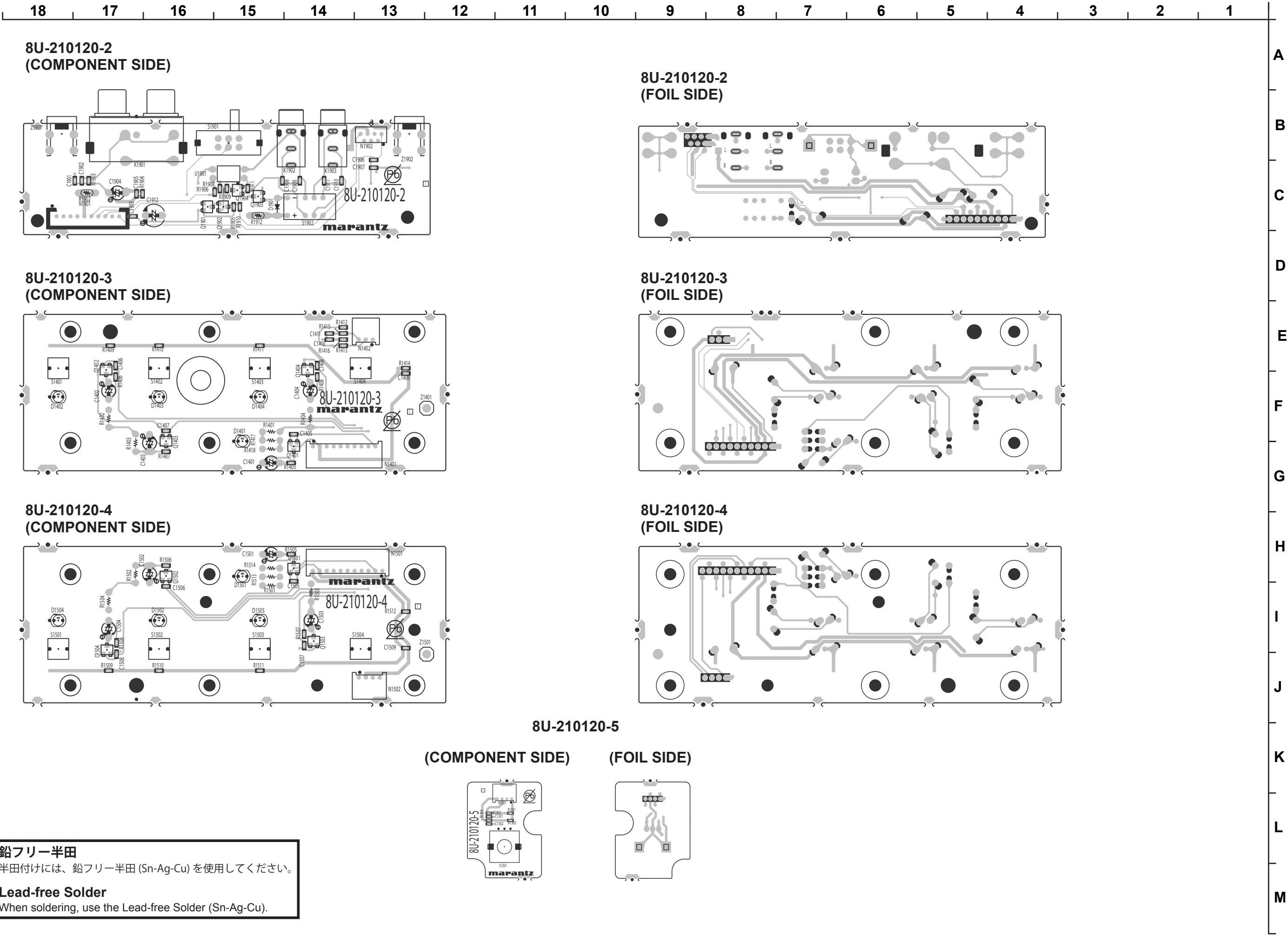


**鉛フリー半田**

半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。

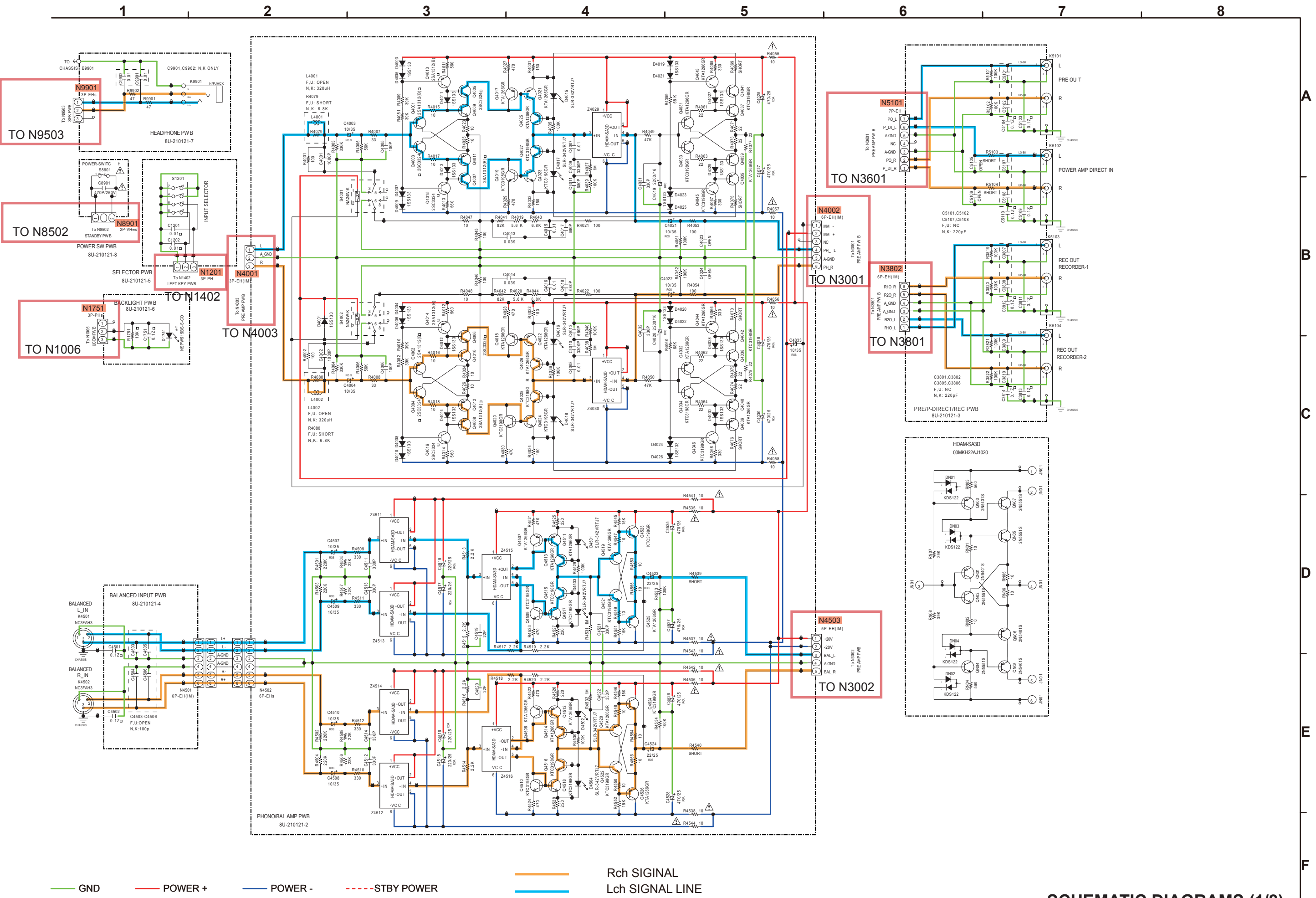
## Lead-free Solder

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

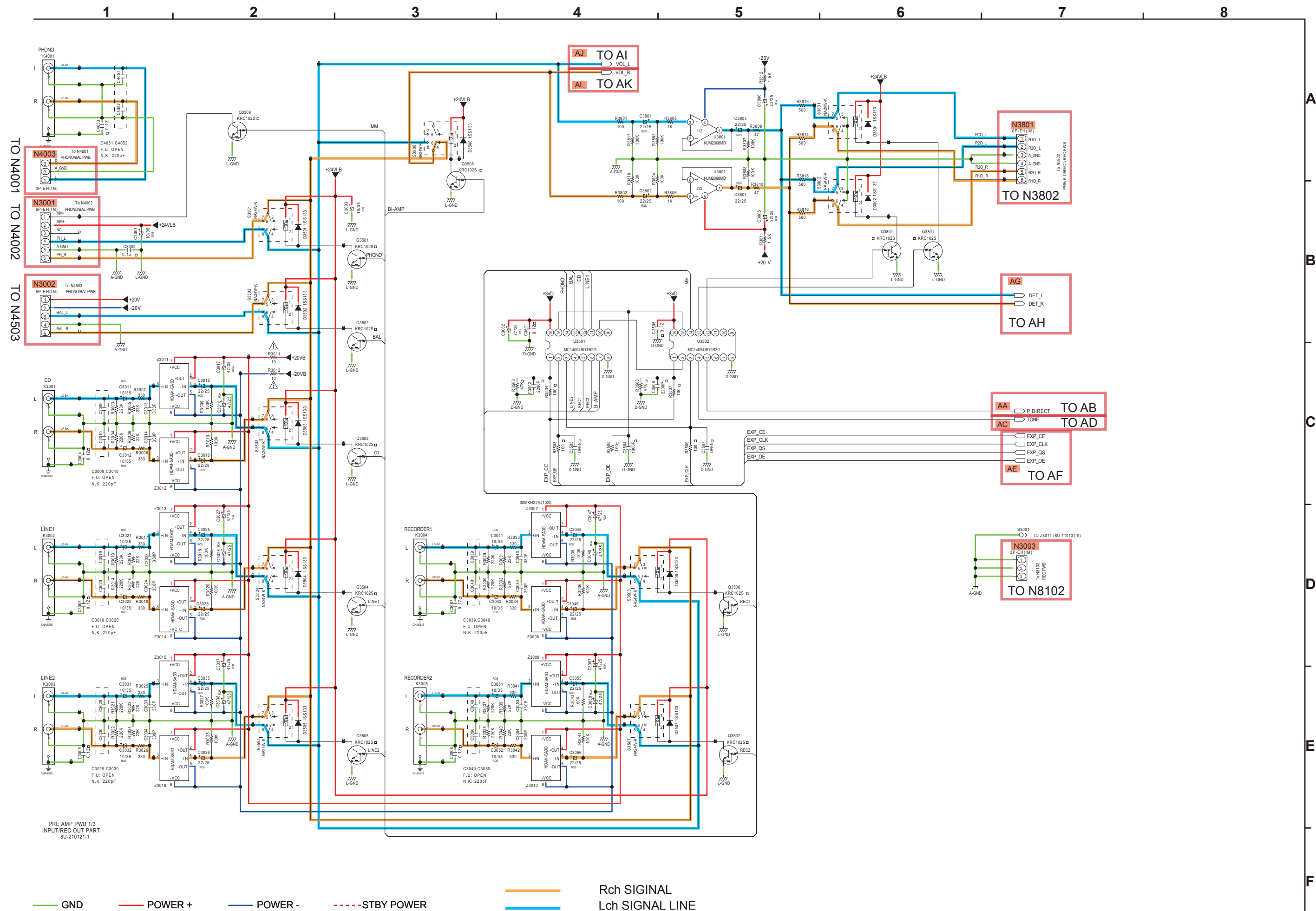


**鉛フリー半田**  
半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。

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

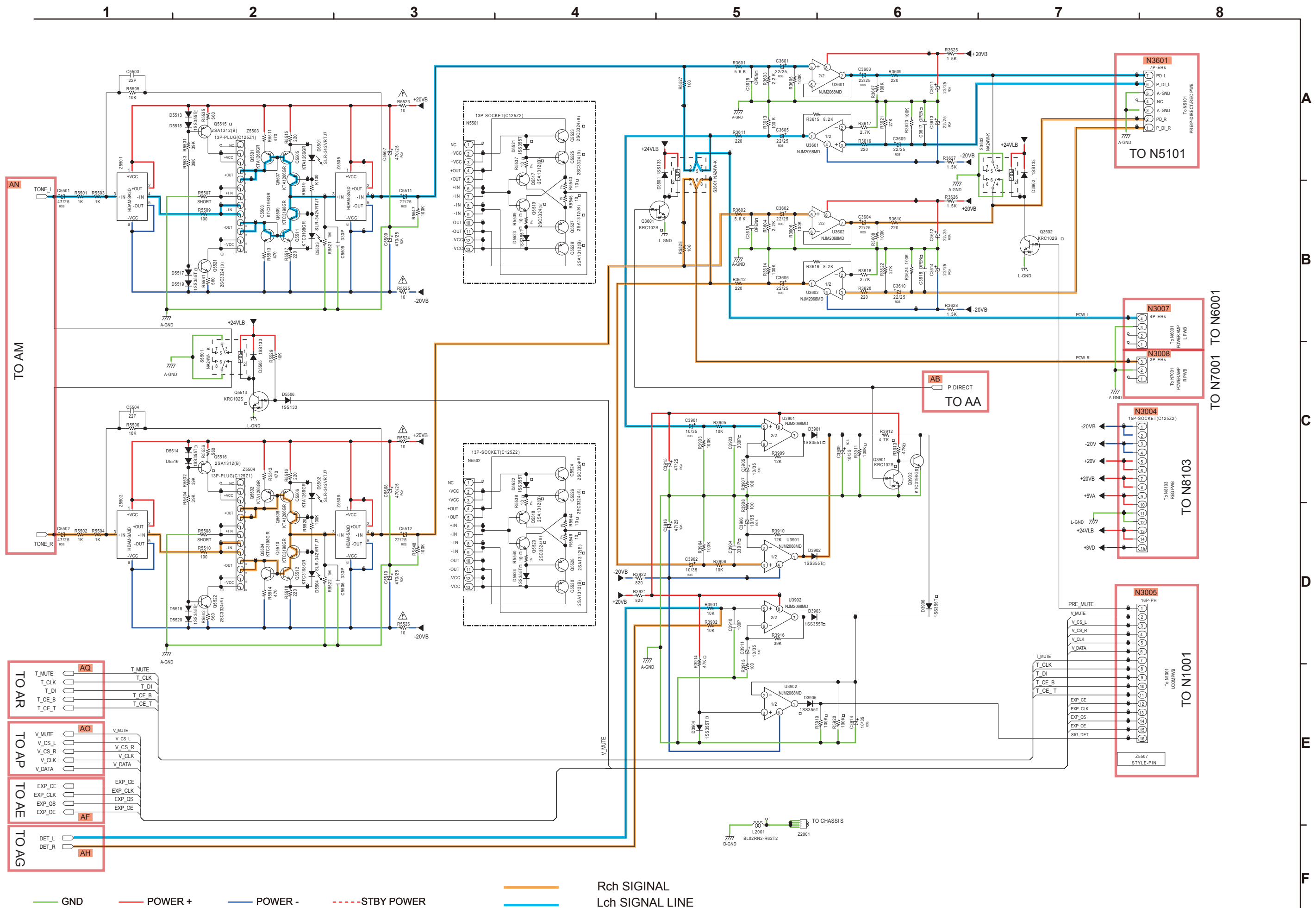


**SCHEMATIC DIAGRAMS (1/8)**  
bd210121\_2

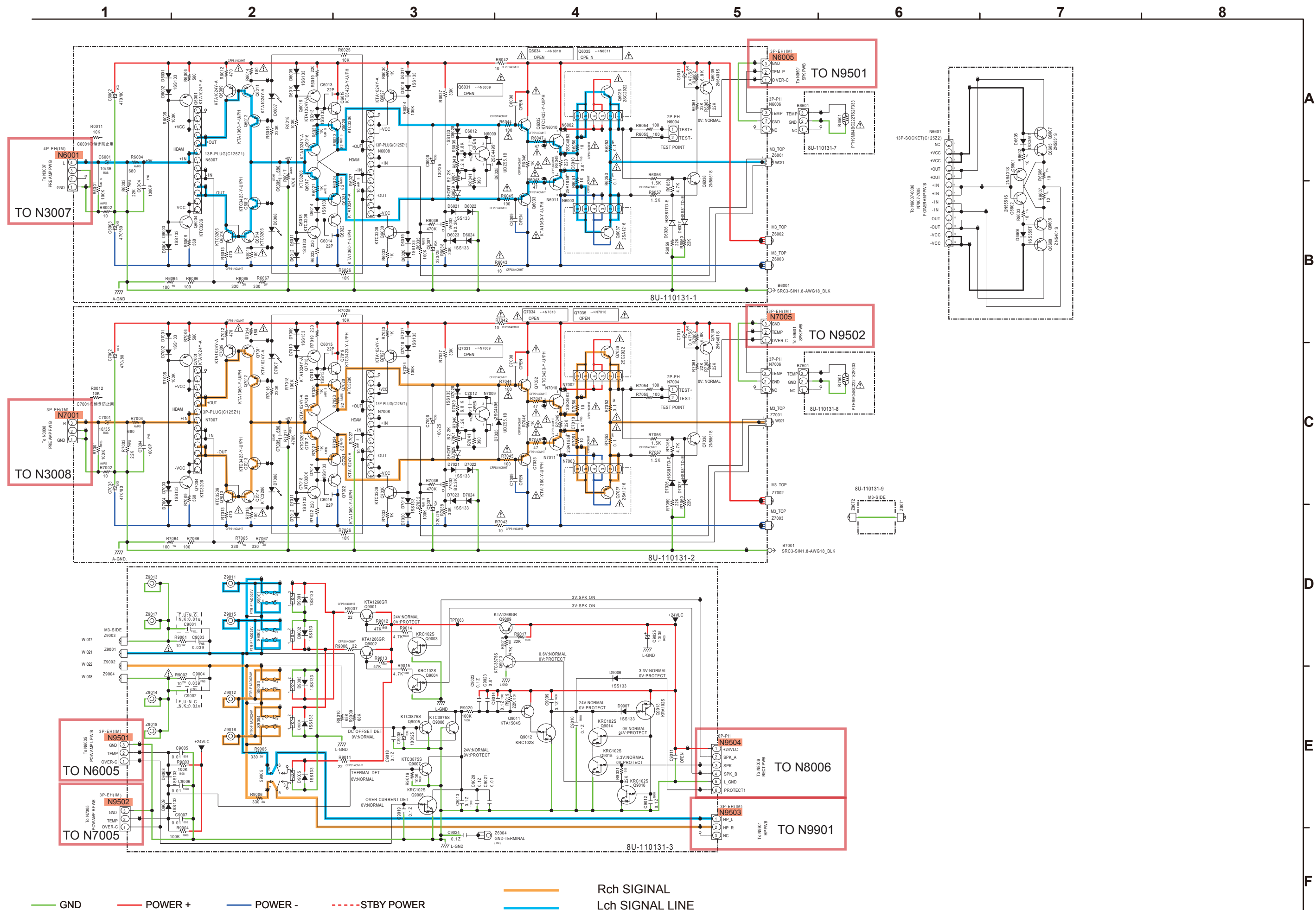


SCHEMATIC DIAGRAMS (2/8)  
bd210121\_3

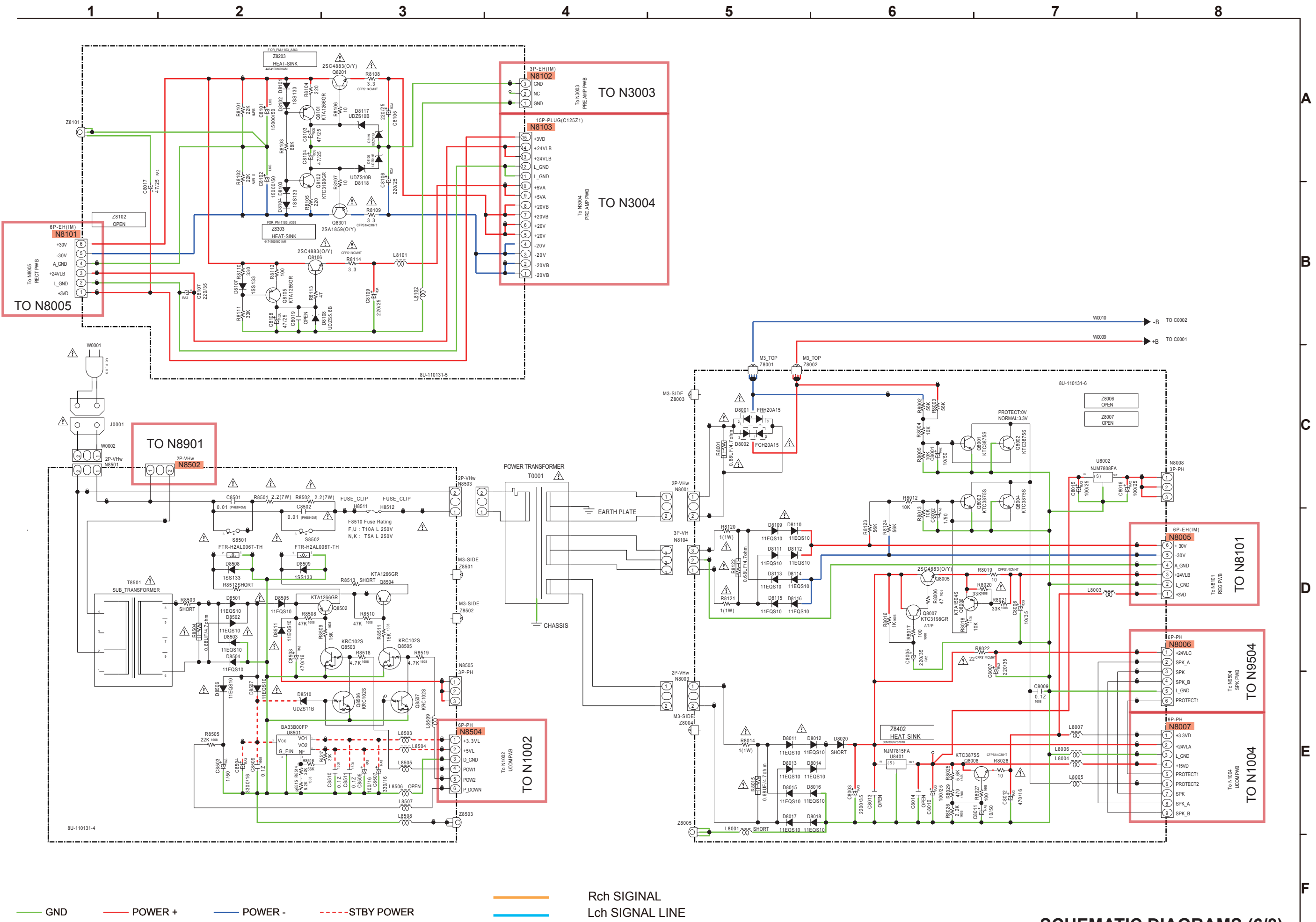




**SCHEMATIC DIAGRAMS (4/8)**  
bd210121\_5

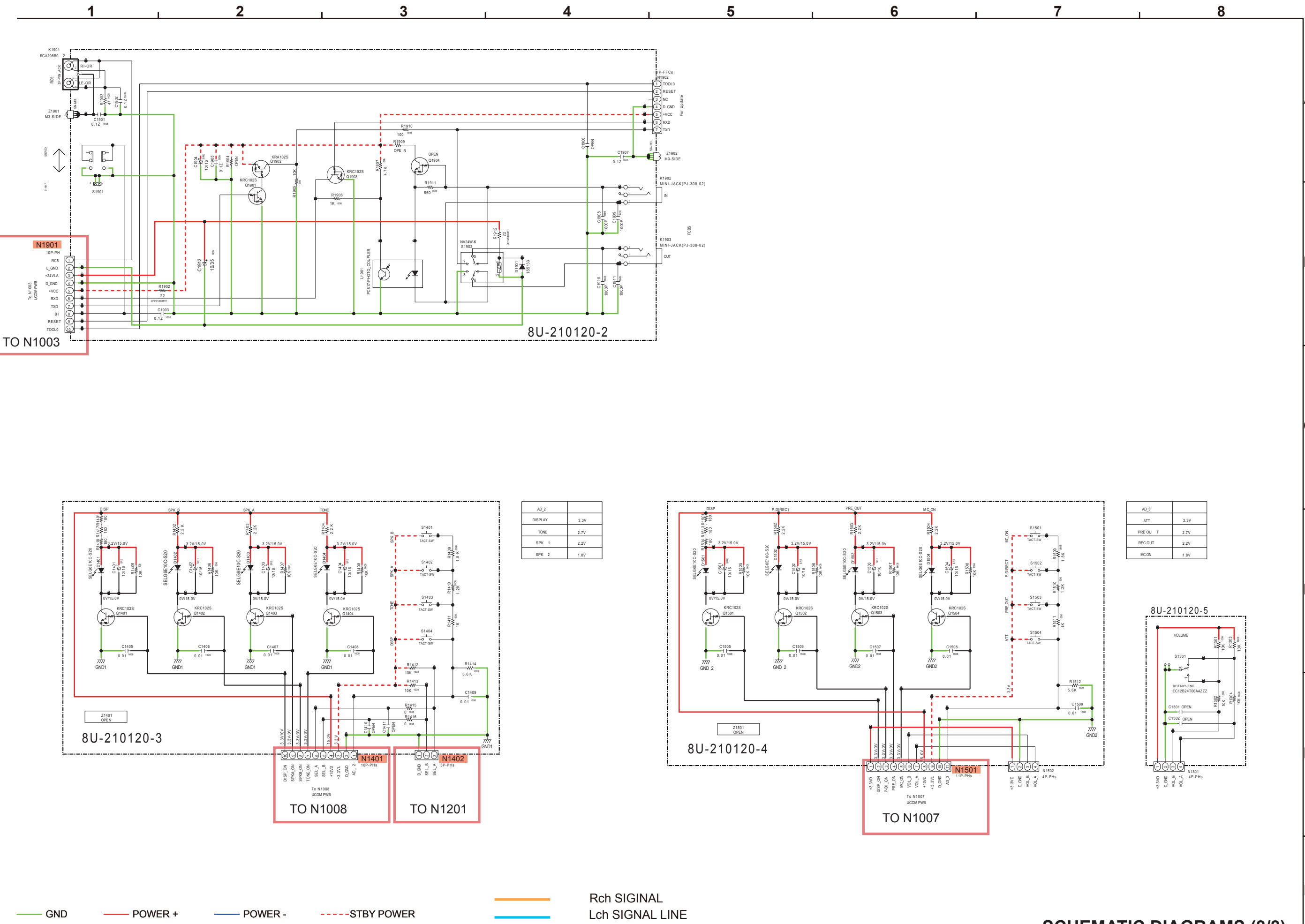


**SCHEMATIC DIAGRAMS (5/8)**  
bd110131\_2



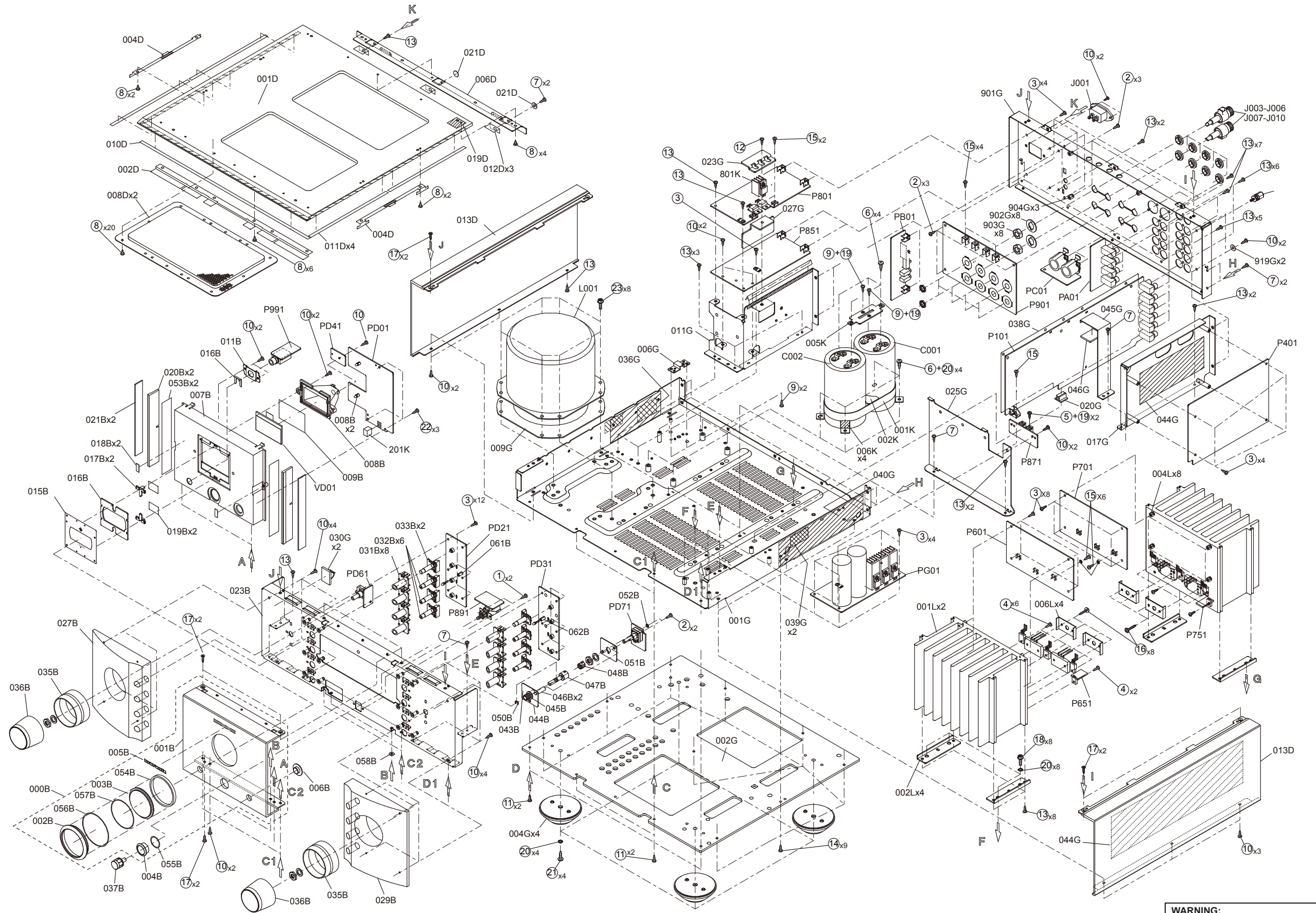
SCHEMATIC DIAGRAMS (6/8)  
bd11013





**SCHEMATIC DIAGRAMS (8/8)**  
bd210120\_2

## EXPLODED VIEW



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

[illegible][illegible]

## 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

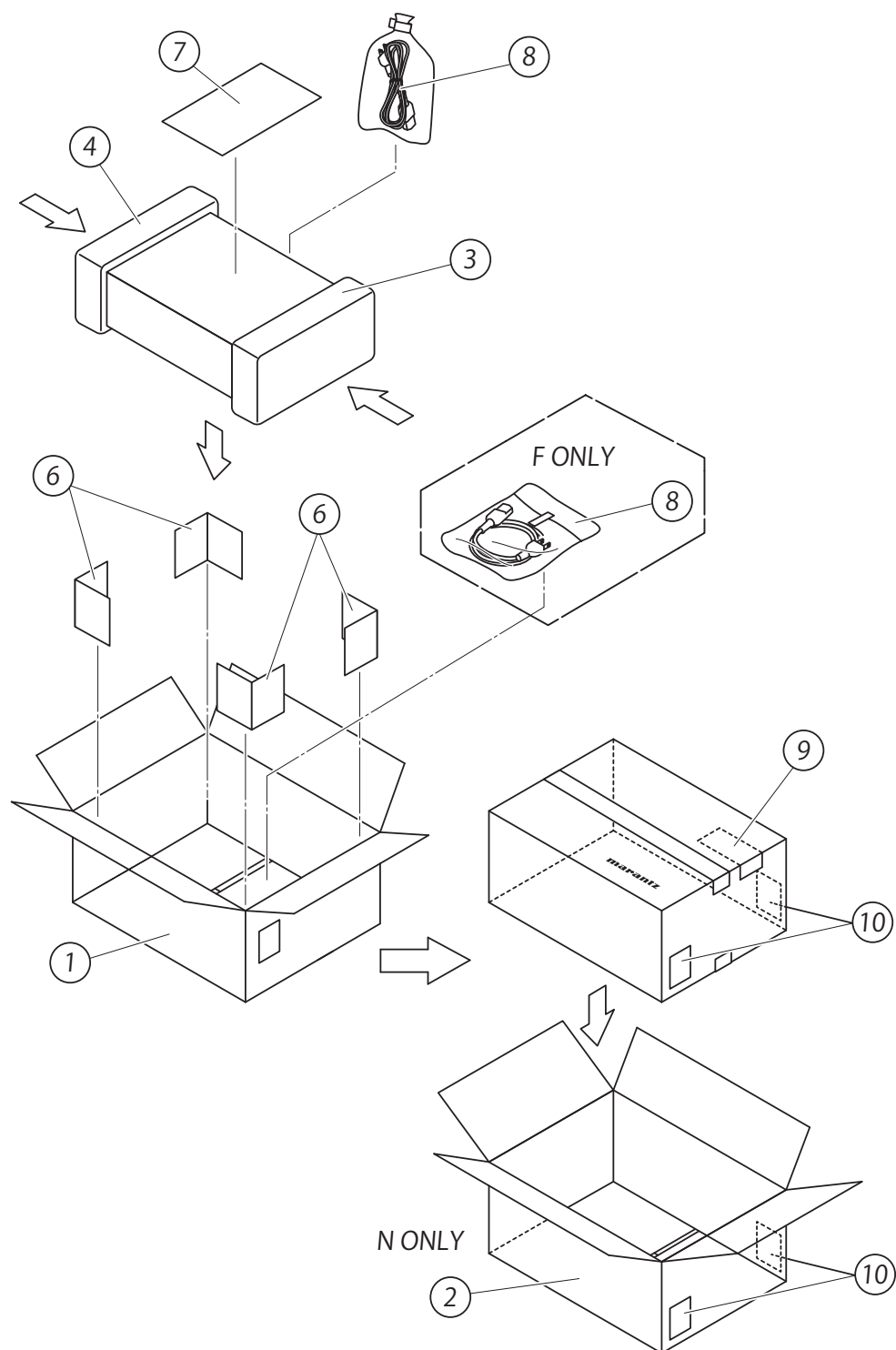
| Ref No. | Part No. | Part Name     | Remarks                       | Q'ty         | New |
|---------|----------|---------------|-------------------------------|--------------|-----|
|         | P101     | nsp           | PRE AMP PWB ASSY              |              |     |
|         | P401     | nsp           | 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 | LKGH2223MSGTGT FOR PM11S2    |              | 1    |     |
|               | C002      | 134710170000M | LKGH2223MSGTGT 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.

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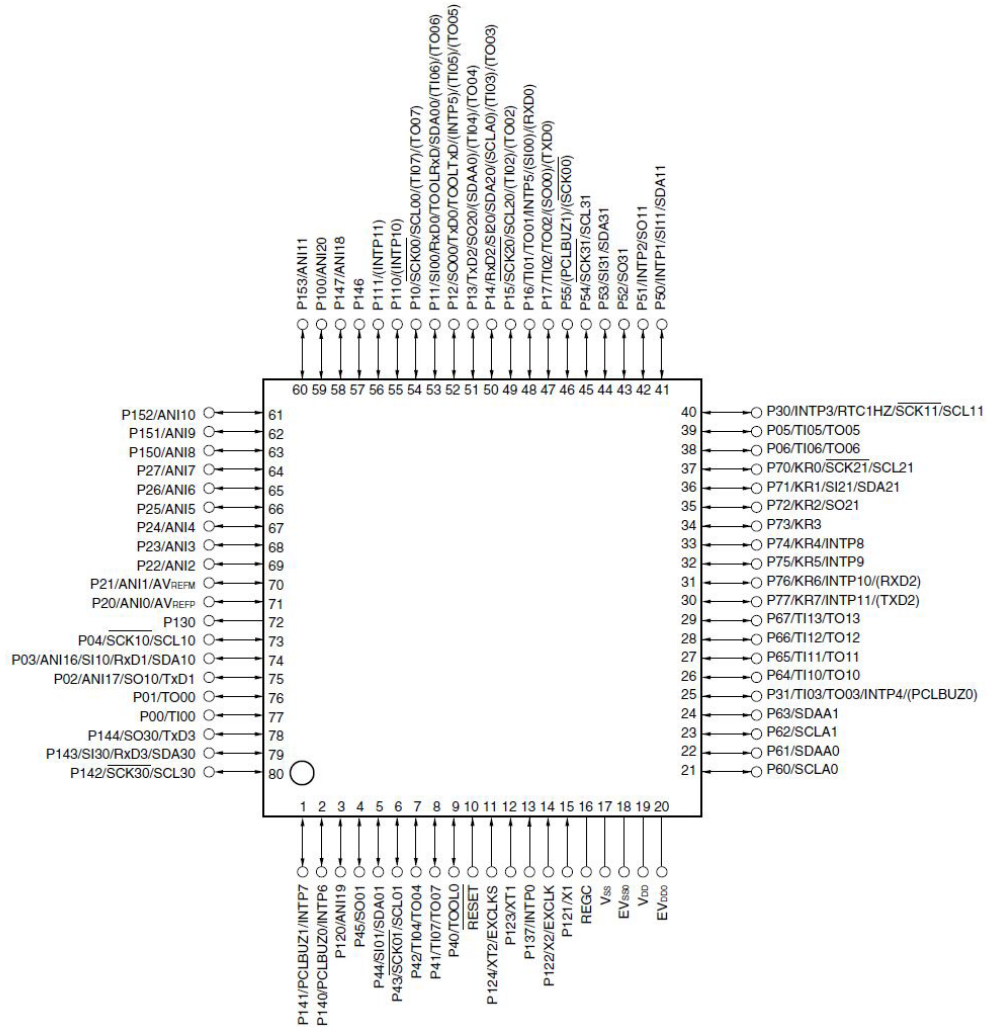
| Ref No. | Part No.      | Part Name                           | Remarks                      | Q'ty    | New |
|---------|---------------|-------------------------------------|------------------------------|---------|-----|
| 1       | 53121022100AM | PACKING CASE PM-11S3 A363           | U1B,N1B,N1G,FN               | 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       | *   |

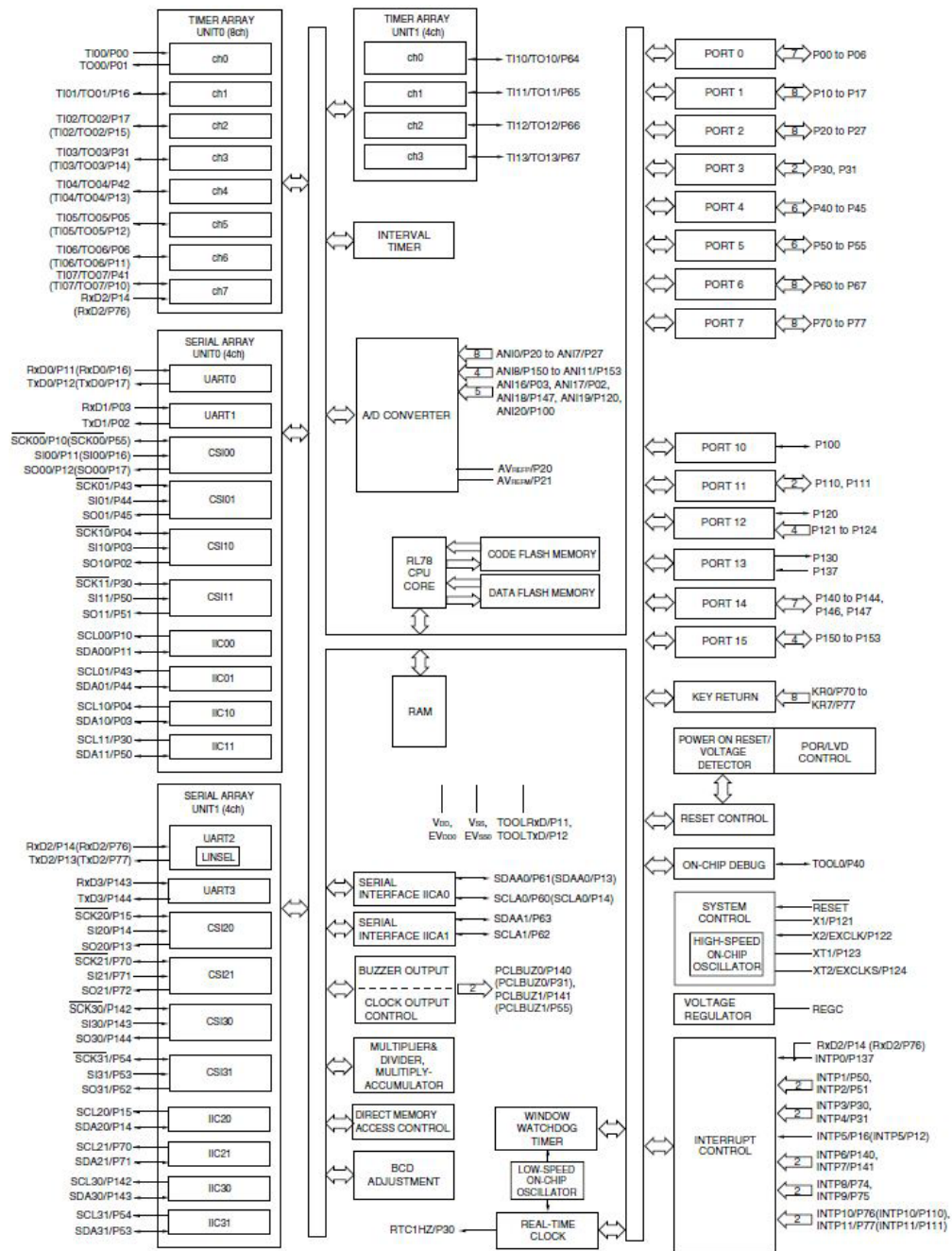
# SEMICONDUCTORS

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<br>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<br>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**

|                 |   |    |                  |
|-----------------|---|----|------------------|
| STROBE          | 1 | 16 | V <sub>DD</sub>  |
| DATA            | 2 | 15 | OUTPUT<br>ENABLE |
| CLOCK           | 3 | 14 | Q <sub>5</sub>   |
| Q1              | 4 | 13 | Q <sub>6</sub>   |
| Q2              | 5 | 12 | Q <sub>7</sub>   |
| Q3              | 6 | 11 | Q <sub>8</sub>   |
| Q4              | 7 | 10 | Q' <sub>S</sub>  |
| V <sub>SS</sub> | 8 | 9  | Q <sub>S</sub>   |

**TRUTH TABLE**

| Clock                                                                              | Output Enable | Strobe | Data | Parallel Outputs |                  | Serial Outputs   |                 |
|------------------------------------------------------------------------------------|---------------|--------|------|------------------|------------------|------------------|-----------------|
|                                                                                    |               |        |      | Q <sub>1</sub>   | Q <sub>N</sub>   | Q <sub>S</sub> * | Q' <sub>S</sub> |
|   | 0             | X      | X    | Z                | Z                | Q <sub>7</sub>   | No Chg.         |
|   | 0             | X      | X    | Z                | Z                | No Chg.          | Q <sub>7</sub>  |
|   | 1             | 0      | X    | No Chg.          | No Chg.          | Q <sub>7</sub>   | No Chg.         |
|   | 1             | 1      | 0    | 0                | Q <sub>N-1</sub> | Q <sub>7</sub>   | No Chg.         |
|   | 1             | 1      | 1    | 1                | Q <sub>N-1</sub> | Q <sub>7</sub>   | No Chg.         |
|  | 1             | 1      | 1    | No Chg.          | No Chg.          | No Chg.          | Q <sub>7</sub>  |

Z = High Impedance    X = Don't Care

\* At the positive clock edge, information in the 7th shift register stage is transferred to Q<sub>8</sub> and Q<sub>S</sub>.**ORDERING INFORMATION**

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

<sup>†</sup>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.

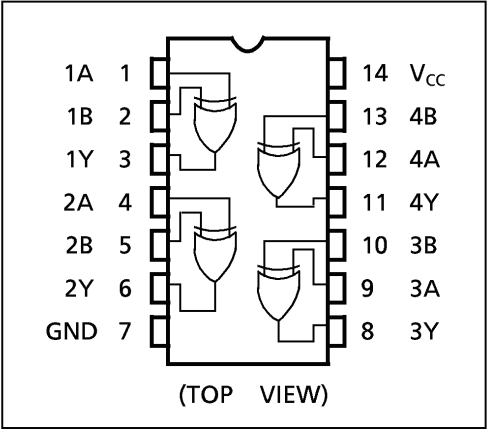
## U3501

| 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                                       |

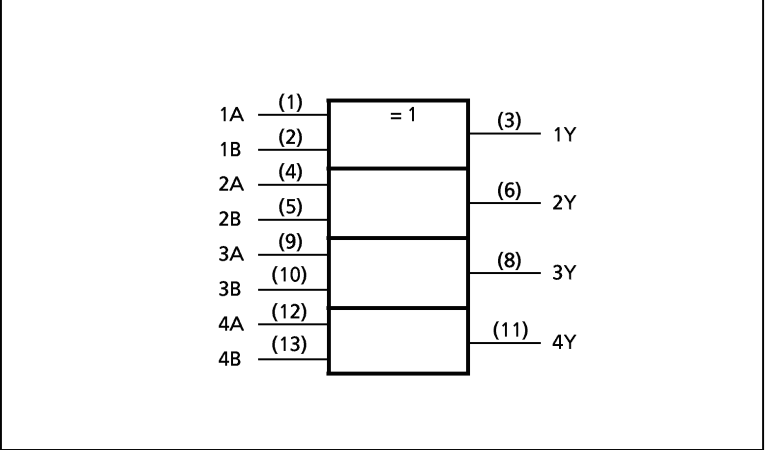
## U3502

| 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



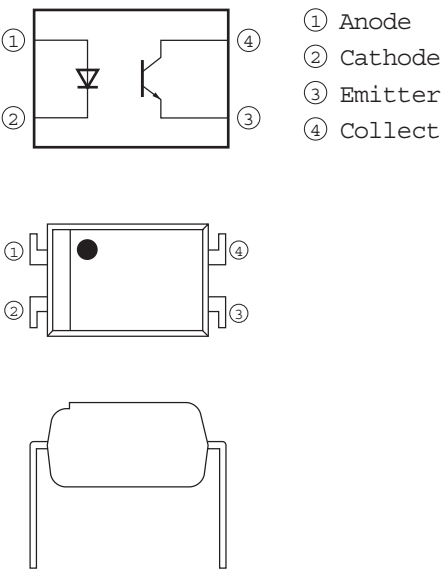
IEC LOGIC SYMBOL



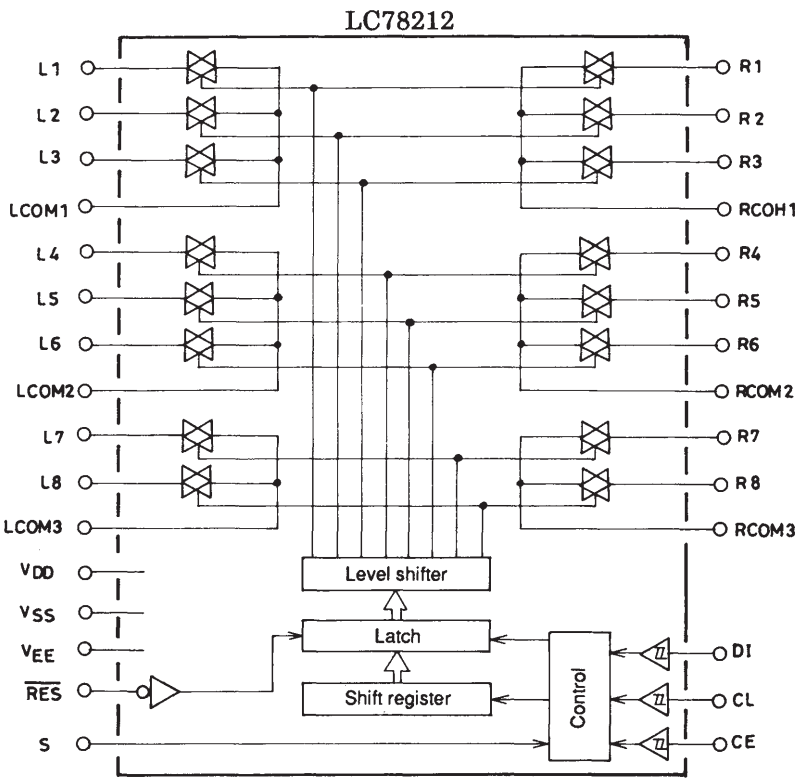
TRUTH TABLE

| A | B | Y |
|---|---|---|
| L | L | L |
| L | H | H |
| H | L | H |
| H | H | L |

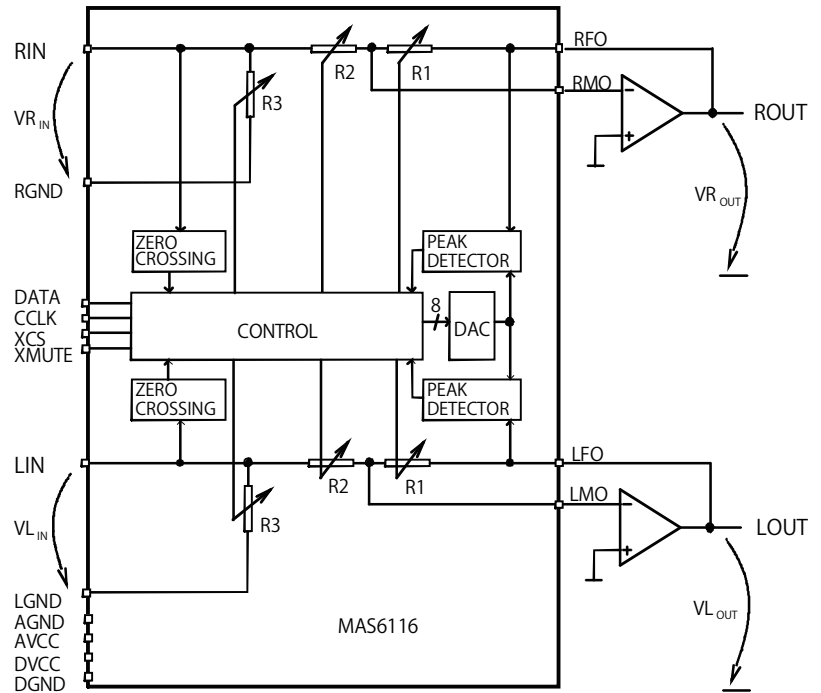
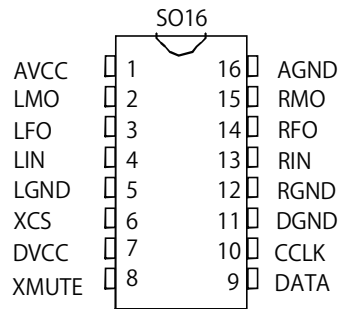
PC817 (U1901)



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   | 00MNG15022070 | !2.2 OHM 7W W/TEMP.FUSE               |                |      |     |
| ⚠                       | R8502   | 00MNG15022070 | !2.2 OHM 7W W/TEMP.FUSE               |                |      |     |
| ⚠                       | R8504   | 00MBF68400016 | ! 0.68UF/4.7OHM                       |                |      |     |
| ⚠                       | R9001   | 00MNG05100020 | 10 OHM +- 5% 2W                       |                |      |     |
| ⚠                       | R9002   | 00MNG05100020 | 10 OHM +- 5% 2W                       |                |      |     |
|                         | R9005   | 00MNG05331020 | 330 OHM +- 5% 2W                      |                |      |     |
|                         | R9006   | 00MNG05331020 | 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<br>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<br>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      |        |      |     |