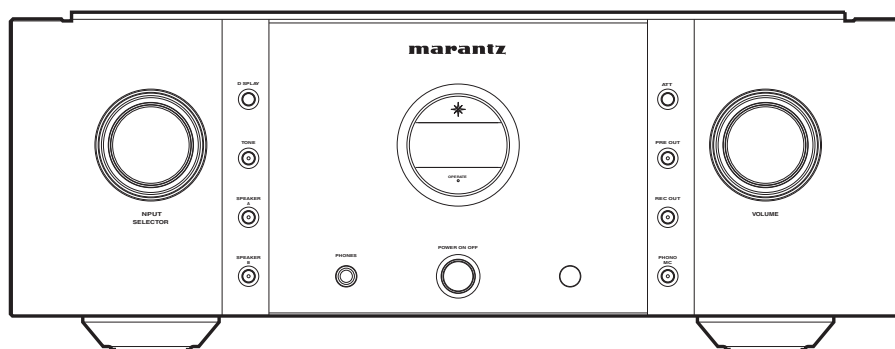


# Service Manual

PM-11S2 /F N/K1G/N1G/U1G

/N1S

Integrated Amplifier



PM-11S2

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Please use this service manual with referring to the user guide ( D.F.U. ) without fail.

修理の際は、必ず取扱説明書を準備し操作方法を確認の上作業を行ってください。

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## PM-11S2

## 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.

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

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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.

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P. O. BOX 8744, BUILDING SILVERPOINT  
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PHONE : +31 - 40 - 2507844  
FAX : +31 - 40 - 2507860

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CANADA  
PHONE : 905 - 415 - 9292  
FAX : 905 - 475 - 4159

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

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PHONE : +82 - 2 - 323 - 2155  
FAX : +82 - 2 - 323 - 2154


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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下さい。

### 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.

## 1. TECHNICAL SPECIFICATIONS

### Power output

(20 Hz – 20 kHz simultaneous drive of both channels)

|                |           |
|----------------|-----------|
| 8 Ω load ..... | 100 W x 2 |
| 4 Ω load ..... | 200 W x 2 |

### Total frequency distortion

(20 Hz – 20 kHz simultaneous drive of both channels, 8 Ω load) ... 0.01 %

Output band width (8 Ω load, 0.05 %) ..... 5 Hz – 50 kHz

Frequency response (CD, 1 W, 8 Ω load)

..... 5 Hz – 120 kHz ± 3 dB

Damping factor (8 Ω load, 20 Hz – 20 kHz) ..... 100

### Input sensitivity/Input impedance

|                  |              |
|------------------|--------------|
| PHONO (MC) ..... | 270 μV/100 Ω |
| PHONO (MM) ..... | 3 mV/47 kΩ   |
| BALANCED .....   | 480 mV/20 kΩ |
| CD/LINE .....    | 240 mV/20 kΩ |

### Output voltage/Output impedance

PRE OUT ..... 1.9 V/220 Ω

### Maximum allowed PHONO input (1 kHz)

|                                       |          |
|---------------------------------------|----------|
| MC .....                              | 12 mV    |
| MM .....                              | 130 mV   |
| RIAA deviation (20 Hz – 20 kHz) ..... | ± 0.5 dB |

### S/N (IHF-A, 1 W, 8 Ω load)

|                                 |       |
|---------------------------------|-------|
| PHONO (MC : 0.5 mV input) ..... | 76 dB |
| PHONO (MM : 5 mV input) .....   | 90 dB |
| BALANCED : 500 mV input .....   | 95 dB |
| CD/LINE : 500 mV input .....    | 96 dB |

### Tone control

|                       |        |
|-----------------------|--------|
| Bass (50 Hz) .....    | ± 8 dB |
| Treble (20 kHz) ..... | ± 8 dB |

### Power requirement

|            |                   |
|------------|-------------------|
| [/F] ..... | AC 100 V 50/60 Hz |
| [/K] ..... | AC 220V 50 Hz     |
| [/N] ..... | AC 230 V 50/60 Hz |
| [/U] ..... | AC 120 V 60 Hz    |

### Power consumption

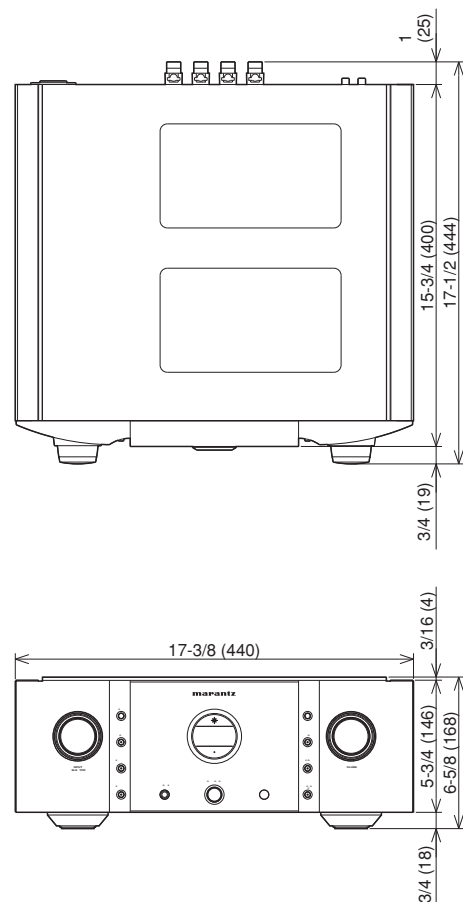
J60065/EN60065 7th Ed./UL60065 ..... 300 W

### Accessories

|                                     |   |
|-------------------------------------|---|
| Remote controller (RC-11PMS1) ..... | 1 |
| AAA batteries .....                 | 2 |
| Detachable AC power cable .....     | 1 |

### Maximum outer dimensions (Amp)

|                    |                    |
|--------------------|--------------------|
| Width .....        | 17-3/8 in (440 mm) |
| Height .....       | 6-5/8 in (168 mm)  |
| Depth .....        | 17-1/2 in (444 mm) |
| Weight (Amp) ..... | 58.6 lb (26.6 kg)  |



Unit: inch (mm)

## 2. CAUTION

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.

## 2. 注意

当機は音質を考慮したレイアウトになっています。

1. ネジやワッシャ類を取り外した場合、元の位置に取り付けてください。
2. ワイヤ類を取り外した場合の配線ルートは、元のルート通りに戻してください。
3. 当機を分解した状態で移動するときは、サイドパネル(013D)を持たないでください。

### 3. ALIGNMENTS

#### Adjustment Procedure

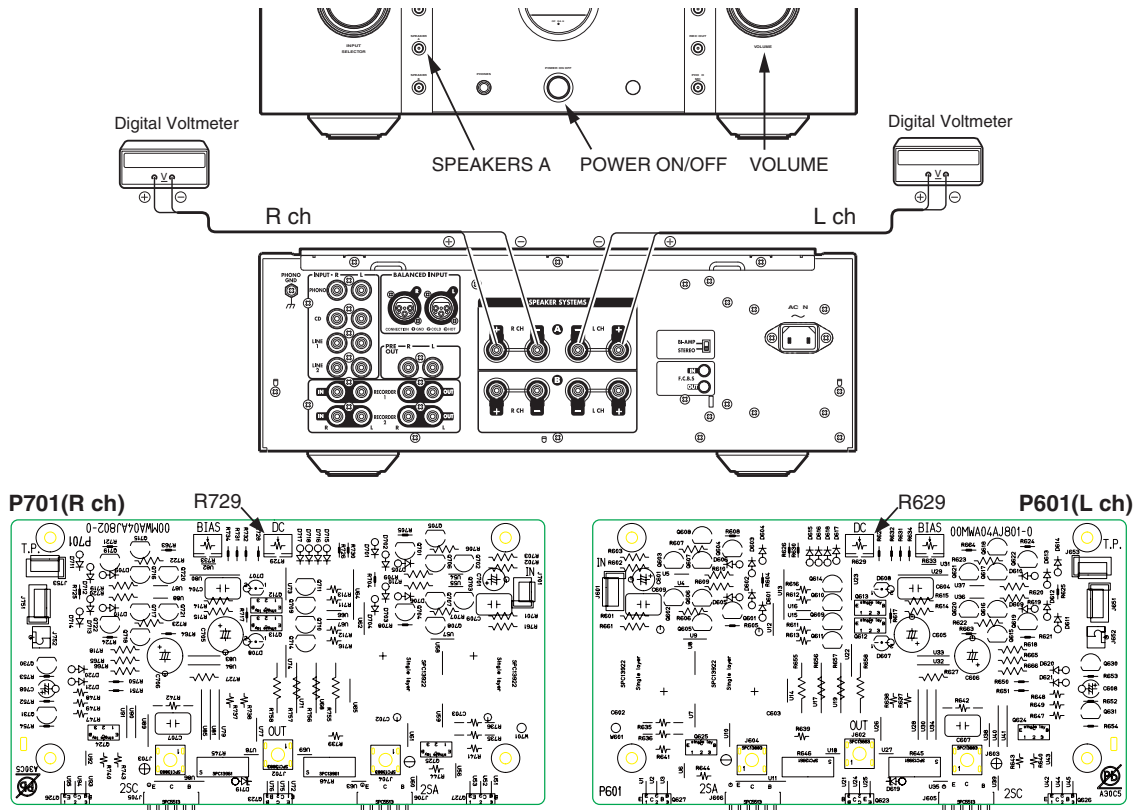
Set the power voltage to rated voltage for this adjustment

#### 調整手順

調整時は必ず電源電圧を定格電圧に合わせてください。

#### DC Offset Voltage Adjustment

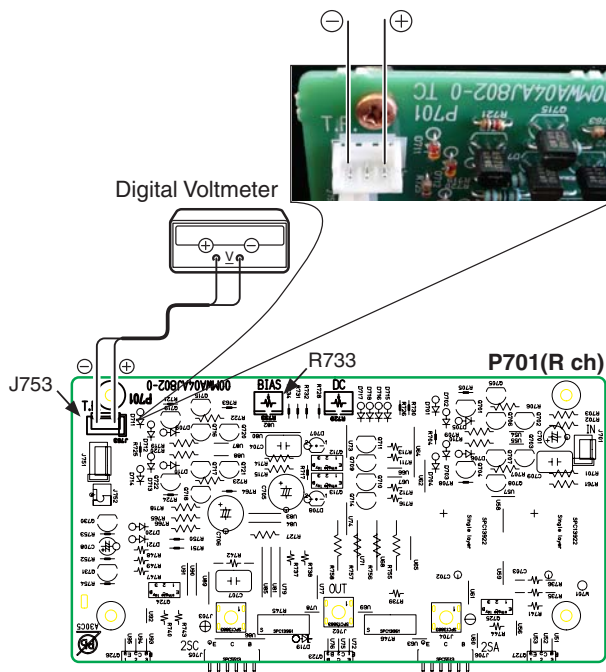
#### DCオフセット電圧調整



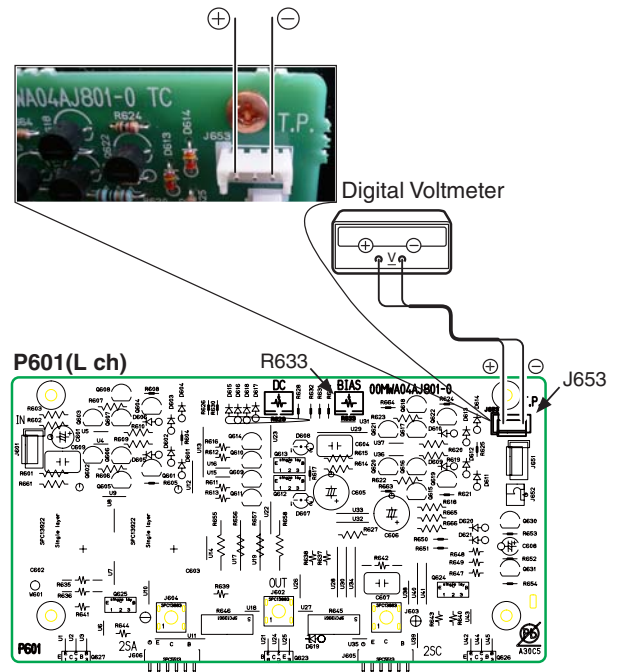
- Before turning on the power,  
Insert Digital Voltage Meter between the SPEAKER SYSTEMS A (L CH) "+" and "-".  
Insert Digital Voltage Meter between the SPEAKER SYSTEMS A (R CH) "+" and "-".
- Turn on the power, **VOLUME** is set as  $-\infty$ .
- Press the **SPEAKER A** button.
- After turn on the power and 2 minutes pass, first **L CH** is adjusted.  
The variable resistor **R629** on P601 is turned with adjustment driver, and the Digital Voltage Meter is adjusted to "**0 mV  $\pm$  10 mV**".
- Then, **R CH** is adjusted.  
The variable resistor **R729** on P701 is turned with adjustment driver, and the Digital Voltage Meter is adjusted to "**0 mV  $\pm$  10 mV**".
- 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**".

- 電源をONする前にリアパネルのSPEAKER SYSTEMS AのL CHおよびR CHそれぞれの"+"端子と "-"端子間にデジタルボルトメーターを接続します。
- 電源を投入しボリュームを $-\infty$ にします。
- SPEAKERS A**のボタンをONにします。
- 電源を投入して"2分"経過後、最初に**L CH**を調整します。  
P601基板の半固定抵抗**R629**を調整ドライバーで回し、L CHスピーカー出力端子に接続したデジタルボルトメーターの電圧が"**0 mV  $\pm$  10 mV**"以内になるように調整します。
- 続けて、**R CH**を調整します。  
P701基板の半固定抵抗**R729**を調整ドライバーで回し、R CHスピーカー出力端子に接続したデジタルボルトメーターの電圧が"**0 mV  $\pm$  10 mV**"以内になるように調整します。
- 調整後DCオフセット電圧は多少の変動はありますが、SPEAKER SYSTEMS AのL CH および R CH それぞれの"+"端子と "-"端子間のDCオフセット電圧は"**0 mV  $\pm$  20 mV**"の範囲であることを確認してください。

## Idling Current Adjustment



## アイドルリング電流調整



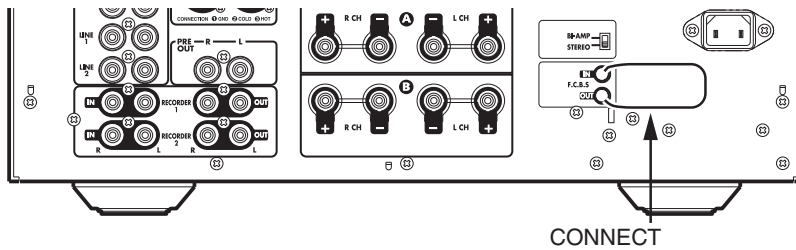
1. After DC Offset Voltage Adjustment is completed, adjust the Idling Current with the variable resistor **R633** and **R733** on the PWB (P601/P701).
  2. Turn off the power.
  3. "+" of Connect Digital Voltage is connected to the No. 1 pin and connected "-" to No. 3 pin of **J653**.
  4. "+" of Connect Digital Voltage is connected to the No. 1 pin and connected "-" to No. 3 pin of **J753**.
  5. Before turning on the power, **R633** and **R733** have been counter clockwise turned with the adjustment driver.
  6. Turn on the power, **VOLUME** is set as  $-\infty$ .
  7. With seeing the digital voltage meter turn the variable resistor clockwise slowly to adjust the idling current.
    - Idling adjustment with **R633** (**R733**).
    - Turn **R633** (**R733**) clockwise to increase the idling current.
    - The adjustment value of idling current is "**9.6 mV(48 mA)  $\pm$  0.5 mV(2.5 mA)**" each.
  8. After 5 minutes, repeat the same procedure as 7.
    - Turn **R633** (**R733**) clockwise to increase the idling current.
    - The adjustment value of idling current is "**10.4 mV(52 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. DCオフセット電圧調整終了後、P601/P701基板上の半固定抵抗**R633**と**R733**でアイドルリング電流を調整します。
  2. 電源をOFFします。
  3. P601基板の**J653**にデジタルボルトメーターを接続します。デジタルボルトメーターは**J653**の1番ピンを"+"、3番ピンを"-"に接続します。
  4. P701基板の**J753**にデジタルボルトメーターを接続します。デジタルボルトメーターは**J753**の1番ピンを"+"、3番ピンを"-"に接続します。
  5. 電源を投入する前に半固定抵抗**R633**と**R733**を、調整ドライバーで反時計方向に回しきってください。
  6. 電源を投入し**ボリューム**を $-\infty$ にしてください。
  7. P601/P701基板の**J653**/**J753**に接続したデジタルボルトメーターの電圧値を監視しながら、半固定抵抗**R633**と**R733**をゆっくりと時計向に回してください。
    - **R633**と**R733**を時計方向に回すとアイドルリング電流が増加します。
    - アイドリング電流の調整値はそれぞれ "**9.6 mV(48 mA)  $\pm$  0.5 mV(2.5 mA)**"とします。
  8. さらに"5分"経過後、上記7.の手順でもう一度調整します。
    - アイドリング電流の調整値はそれぞれ "**10.4 mV(52 mA)  $\pm$  0.5 mV(2.5 mA)**"とします。
- 以上で調整は完了です。
9. デジタルボルトメーターの接続を外し、トップカバーを取付けます。

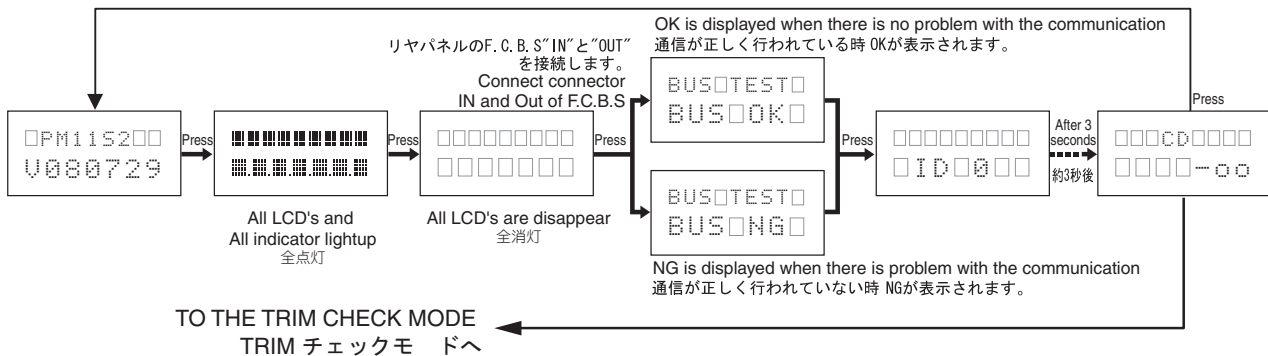
調整終了後トップカバーを取付けるとセット内部の温度上昇に伴いアイドルリング電流が減少し、電源投入後約30分で設定値の"**10mV(50mA)**"になります。

## 4. SERVICE MODE



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

- 本体の**DISPLAY**ボタンと**ATT**ボタンを押しながら**POWER ON/OFF**ボタンを押します。  
また、電源ON中にリモコンコード"166363"を受信します。これでサービスモードに入ります。  
サービスモードに入ると全ての設定がクリアされ出荷状態になります。
- 初めにモデル名、バージョンが表示されます。  
**DISPLAY**ボタンを押すたびに下記の表示となります。  
**POWER ON/OFF**ボタンを押し、電源を切るとサービスモードが解除されます。

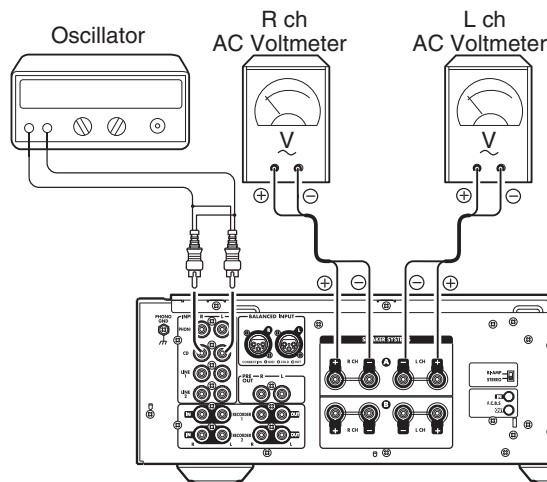


### TO ENTER THE TRIM CHECK MODE.

Before press the **TONE** button, following connection and setup are required.

### TRIMチェックモード

**TONE**ボタンを押す前に、下記の接続と設定を行います。



- Oscillator is connected to R and L of CD input terminal.
- Voltmeter is connected R CH + - and L CH + - of SPEAKER SYSTEMS A.

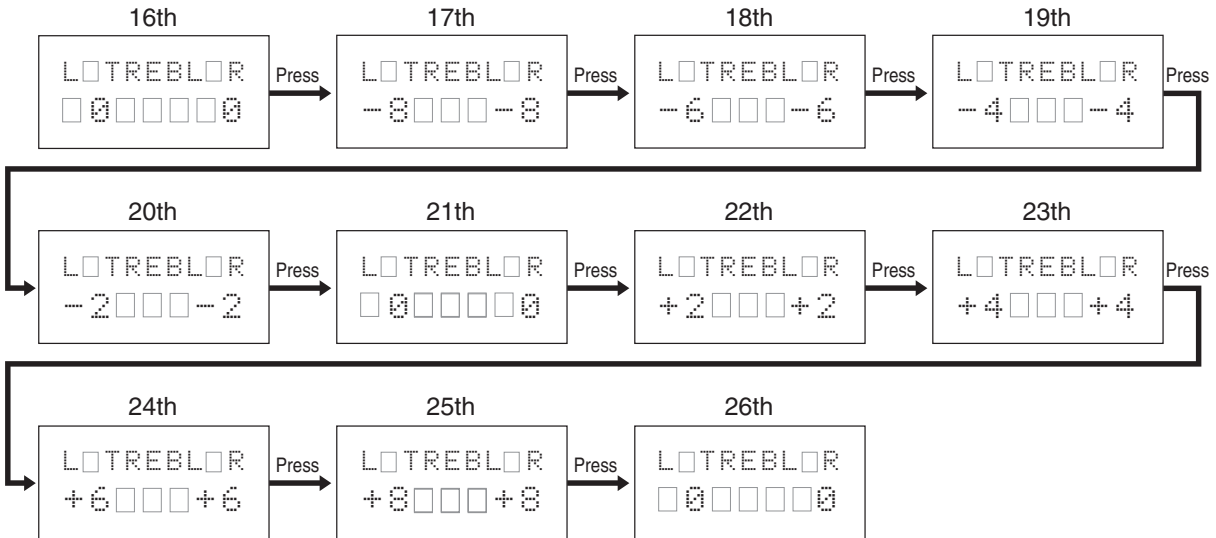
- CD入力端子のRとLに発振器を接続します。
- SPEAKER SYSTEMS AのRCH+-, LCH+-にACボルトメーターを接続します。



**TO ENTER THE TREBLE TRIM ADJUSTMENT MODE.**

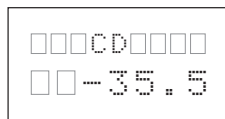
10. Set frequency of Oscillator to "30 kHz".

Press **TONE** button (16th). Whenever press the **TONE** button, the display changes as follows and output level changes according to the display.

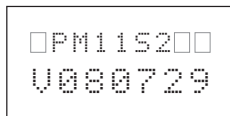


TRIM check mode is completed.

11. Press **DISPLAY** button, the display will be the following.



12. Press **DISPLAY** button, the display will be the following.



13. Turn off power to quit service mode.

Service mode can be ended if turn off power from every procedure.  
When into the Service Mode, the memory is cleared and the unit is initialized.

**TREBLE TRIM調整モード**

10. 発振器の周波数を"30 kHz"にしてください。

**TONE**ボタンを押します(16回目)。**TONE**ボタンを押すごとに下記のように表示が変わり、表示に従い出力レベルが変わります。

TRIMチェックモードは終了です。

11. **DISPLAY** ボタンを押します。下記の表示になります。

12. **DISPLAY** ボタンを押します。下記の表示になります。

13. **POWER ON/OFF** ボタンを押し、電源を切ります。サービスモードが解除されます。  
サービスモードはどの手順からも電源を切ると終了することができます。  
サービスモードを終了すると、本体の設定は全て出荷状態になります。



## Initial settings

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

## 出荷状態内容

INPUT SELECTOR : CD  
 DISPLAY : ON  
 TONE : OFF  
 PHONO MC : OFF (MM)  
 PRE OUT : OFF  
 REC OUT : OFF  
 SPEAKER A : OFF  
 SPEAKER B : OFF

Be sure to set up manually.

MODE SW on Rear panel : **STEREO**,  
 POWER ON/OFF SW : **OFF**

必ず手動で設定すること。

MODE SW (リアパネル) : **STEREO**,  
 POWER ON/OFF SW : **OFF**

## SERIAL NUMBER CHECK MODE

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

## シリアル番号の確認

- 本体の**TONE**ボタンと**PHONO MC**ボタンを押しながら**POWER ON/OFF**ボタンを押します。これでシリアル番号の確認モードに入ります。
- シリアル番号が表示されます。  
**POWER ON/OFF**ボタンを押し、電源を切るとシリアル番号の確認モードが解除されます。

|           |
|-----------|
| 20000730□ |
| 000001□   |

## ERROR MESSAGES

|   | Error    | Contents   | Measure   |
|---|----------|--|---|
| 1 | ERROR 02 | The unit of ID No.2 overlaps.  | ID number is changed into the ID No. not overlapping.   |
| 2 | ERROR 03 | The unit of ID No.3 overlaps.  |   |
| 3 | ERROR 04 | The unit of ID No.4 overlaps.  |   |
| 4 | ERROR 11 | The unit of ID No.2 to No.4 cannot communicate with the unit of ID No.1. | <ul style="list-style-type: none"> <li>If the unit ID number 1 is not turn on, turn on the unit ID No.1.</li> <li>Check the remote cable is connected correctly.</li> </ul> |
| 5 | ERROR 12 | The unit of ID No.1 cannot communicate with the unit of ID No.2 to No.4  | <ul style="list-style-type: none"> <li>ID No. is changed into ID No. not overlapping.</li> <li>Check the remote cable is connected correctly.</li> </ul>                    |

## エラーメッセージ

|   | 表示       | 内容                             | 対策  |
|---|----------|--------------------------------|---|
| 1 | ERROR 02 | ID番号2のアンプが重複しています。             | ID番号が重複しないようにID番号を設定してください。   |
| 2 | ERROR 03 | ID番号3のアンプが重複しています。             |   |
| 3 | ERROR 04 | ID番号4のアンプが重複しています。             |   |
| 4 | ERROR 11 | ID番号2~4のアンプがID番号1のアンプと通信できません。 | <ul style="list-style-type: none"> <li>ID番号1のアンプに電源が入っていない場合は電源を入れてください。</li> <li>リモートケーブルが正しく接続されているか確認してください。</li> </ul>    |
| 5 | ERROR 12 | ID番号1のアンプがID番号2~4のアンプと通信できません。 | <ul style="list-style-type: none"> <li>ID番号1のアンプが重複している場合はID番号を正しく設定してください。</li> <li>リモートケーブルが正しく接続されているか確認してください。</li> </ul> |

## 5. PROTECTION MODE

Explanation of microprocessor (QU01) [PROT-1 (pin54) and PROT-2 (pin53)].

### [A] The PROT-1(pin54) 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), Q905 or Q906 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 (Q628, Q629, Q728, Q729).  
If an electric current of over 10A flows in Q628 or Q629, Q630, Q631 and Q908 turn on, and the signal from the PORT-1 terminal will change to L from H.  
If an electric current of over 10A flows in Q728 or Q729, Q730, Q731 and Q908 turn on, and the signal from the PORT-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 (R659 and R759) will turn on Q907 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\_OUT (pin40) changing to L from H and the speaker relays L901 ~ L905 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 (pin54) 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 (pin54) remains L for more than one second.  
The amp will be powered off by the POW-1 (pin25) and POW-2 (pin24) changing to L from H and Power relay L852 and L853 turned off  
Then, the OPERATION 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.

## 5. PROTECTION動作について

マイコン(QU01)のPROT-1 (pin54) とPROT-2 (pin53)の説明。

### [A] PROT-1(pin54)は、パワーアンプの下記の異常動作を検出するポート

1. スピーカー出力端子のDCオフセット電圧の異常電圧を検出。  
スピーカー出力端子が約1.2V (DC) を超えるとQ905もしくはQ906がONして、PROT-1端子が "H→L" になる。
2. パワートランジスタ(Q628, Q629, Q728, Q729)の異常電流を検出。  
Q628もしくはQ629に約10Aを超える電流が流れるとQ630, Q631, Q908がONして、PROT-1端子が "H→L" になる。  
Q728もしくはQ729に約10Aを超える電流が流れるとQ730, Q731, Q908がONして、PROT-1端子が "H→L" になる。
3. ヒートシンクの異常温度を検出。  
ヒートシンクの温度が約110℃を超えると、ポジスター (R659, R759)によってQ907がONして、PROT-1端子が "H→L" になる。

1.~3.のいずれかの異常検出でPROT-1端子が "H→L" になると保護回路が動作して

SPK\_OUT (pin40) を "H→L" にして、即座にスピーカーリレー L901~L905をOFFにします。

このPROTECTION動作はPROT-1端子が"L"になっている時間によって、その後の動作が異なります。

- PROT-1 (pin54)が1秒以内の短時間の間に "H" に復帰した場合。  
ディスプレイ部に"PROTECT"の文字が点滅し、PROTECTION動作になったことを知らせ、自動的にボリュームを下げます。  
約8秒後に保護回路が解除しますのでボリュームを再調整すればそのまま使用することができます。  
これは、ユーザーが一時的に使用法を誤った場合を想定したPROTECTION動作で、アンプ回路は故障していない場合に自動復帰する動作です。
- PROT-1 (pin54)が1秒以上 "L" になっている場合。  
POW-1 (pin25)とPOW-2 (pin24) を "H→L" にして、電源リレー L852とL853 をOFFし、アンプの電源をシャットダウンします。  
このときOPERATEインジケータが点滅し、異常が起きたことを表示します。  
これは、アンプ回路の故障を想定したPROTECTION動作で、危険回避のため即座に電源を切る動作です。  
ユーザーの使用状況によっては、アンプが故障していてもこの状態になる可能性もあります。  
アンプが故障しているかどうかを確認するには、一旦電源SWを切り1分ほど待ってから電源SWを再投入します。  
この操作でPROTECTION動作が解除します。  
電源SWを再投入してもPROT-1 (pin54)が "L" の異常状態の場合は、約3秒後に再びシャットダウンしてOPERATEインジケータが点滅します。  
電源を再投入してもPROTECTION動作が解除されない場合は、アンプ回路が故障していると考えられます。

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 (pin54) remains "L", which constitutes an abnormality, the unit shuts down approximately 3 seconds later and the OPERATION 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 R809 and R810 exceeds DC  $\pm 1.2V$ , Q803 or Q804 will turn on to change the signal from the PROT-2 (pin53) 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 R813 and R814 exceeds DC  $\pm 1.2V$ , Q805 or Q806 will turn on to change the signal from the PROT-2 (pin53) 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, Q809 and Q805 will turn on to change the signal from the PORT-2 (pin53) to L from H.
4. The Fuse (F851) inside the SOFT START PWB (P851) blows, the signal from the PROT-2 (pin53) terminal will be changed to L from H.

If any of the above four abnormalities is detected, the signal from the POW-1 (pin25) and POW-2 (pin24) changing to L from H, the power relay L852 and L853 will be turned off and the unit will be shut down. Then, the OPERATE 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 RPOT-2 (pin53) remains L after the power is switched on again, the unit will be shut down again three seconds later with the OPERATE 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.

**[B] PROT-2 (pin53)は、電源回路の異常を検出するポート**

1. パワーアンプ用電源回路の異常を検出。  
パワーアンプ用電源の+58V と-58Vの midpoint電圧を監視し、R809とR810の接続点の電圧が約  $\pm 1.2V$  (DC) を超えると、Q803もしくはQ804がONしてPROT-2 (pin53)が "H→L" になる。
2. プリアンプ用電源回路の異常を検出。  
プリアンプ用電源の +30V と -30V の midpoint電圧を監視し、R813とR814の接続点の電圧が約  $\pm 1.2V$  (DC) を超えると、Q805もしくはQ806がONしてPROT-2 (pin53)が "H→L" になる。
3. ファンクションリレー用電源回路の異常を検出。  
リレー用電源の+24VLB に約120mAを超える電流が流れると、Q809、Q805がONしてPROT-2(pin53)が "H→L" になる。
4. F851 FUSE (SOFT START PWB P851) が切れている場合、Q807がONし、PROT-2(pin53) が "H→L" になる。

1.~4.のいずれかの異常を検出すると、POW-1 (pin25)と POW-2 (pin24)を "H→L" にして、電源リレー L852とL853 を OFFしシャットダウンします。このときOPERATEインジケータが点滅し、異常が起きたことを表示します。これは、アンプ回路もしくは電源回路の故障を想定した PROTECTION動作で、危険回避のため即座に電源を切る動作です。

アンプ回路もしくは電源回路が故障しているかどうかを確認するには、一旦電源SWを切り1分ほど待ってから電源SWを再投入します。

この操作でPROTECTION動作が解除します。

電源SWを再投入してもPROT-2 (pin53)が "L" の異常状態の場合は、約3秒後に再びシャットダウンしてOPERATEインジケータが点滅します。

電源を再投入してもPROTECTION動作が解除されない場合は、アンプ回路もしくは電源回路が故障していると考えられます。

## 6. UPDATE FIRMWARE

### [A] SOFTWARE DOWNLOADS AND INSTALLS PROCEDURE

#### [A-1] DOWNLOADS OF THE SOFTWARE

(Flash Development Toolkit: the rest is FDT)

Download the software for update/write-in of the microprocessor.

1. Launch the browser.
2. Type the "http://www.renesas.com/" into an address. And click the **Go** or press the **Enter** on keyboard of PC.

**NOTE :** This site is managed by RENESAS. The following explanation may differ from the actual composition. When different, please proceed along with the site composition of RENESAS.

3. Click the **GLOBAL SITE**.

## 6. UPDATE FIRMWARE

### [A] SOFTWARE DOWNLOADS AND INSTALLS PROCEDURE

#### [A-1] DOWNLOADS OF THE SOFTWARE

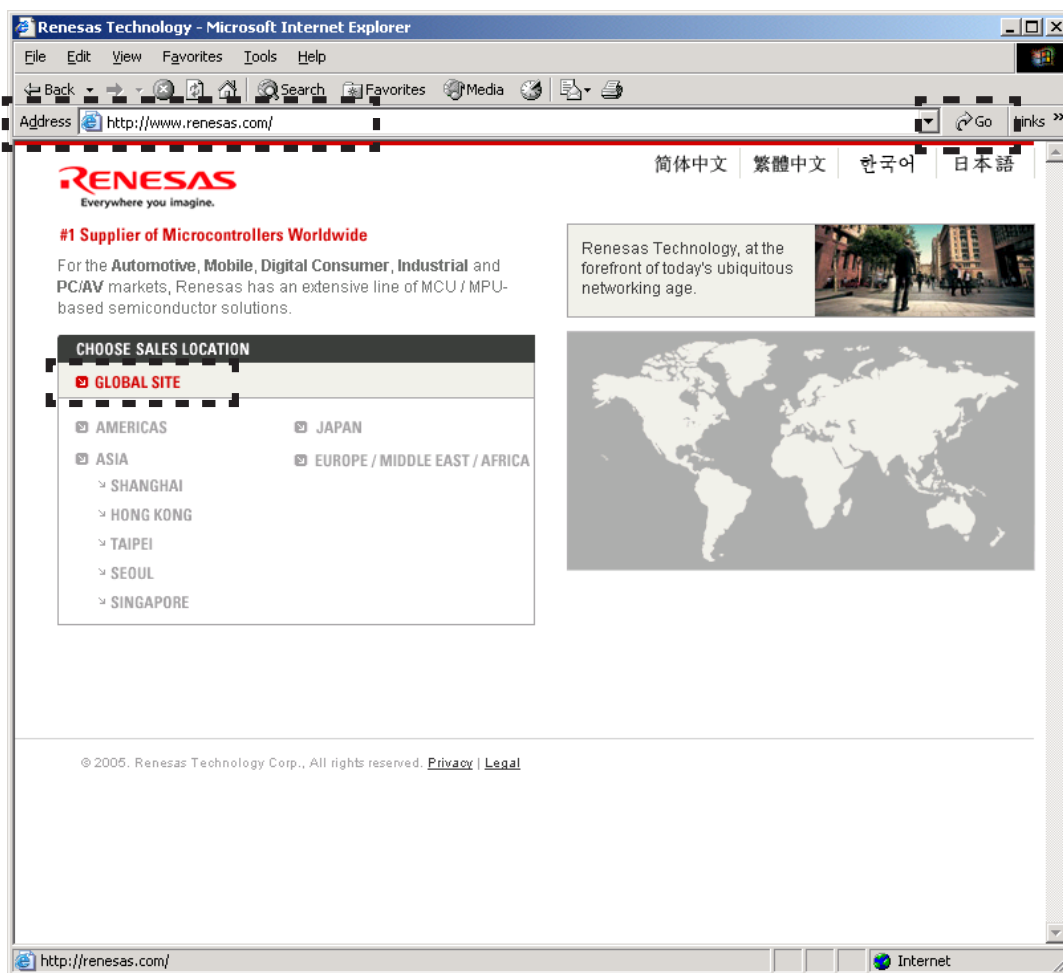
(Flash Development Toolkit: 以下 FDT)

マイコンの書き込み用ソフトウェア(FDT)をダウンロードします。

1. ブラウザ(インターネットエクスプローラーなど)を立ち上げます。
2. ブラウザのアドレスに"http://www.renesas.com/"を入力し、**移動**、またはキーボードの**Enter**を押します。

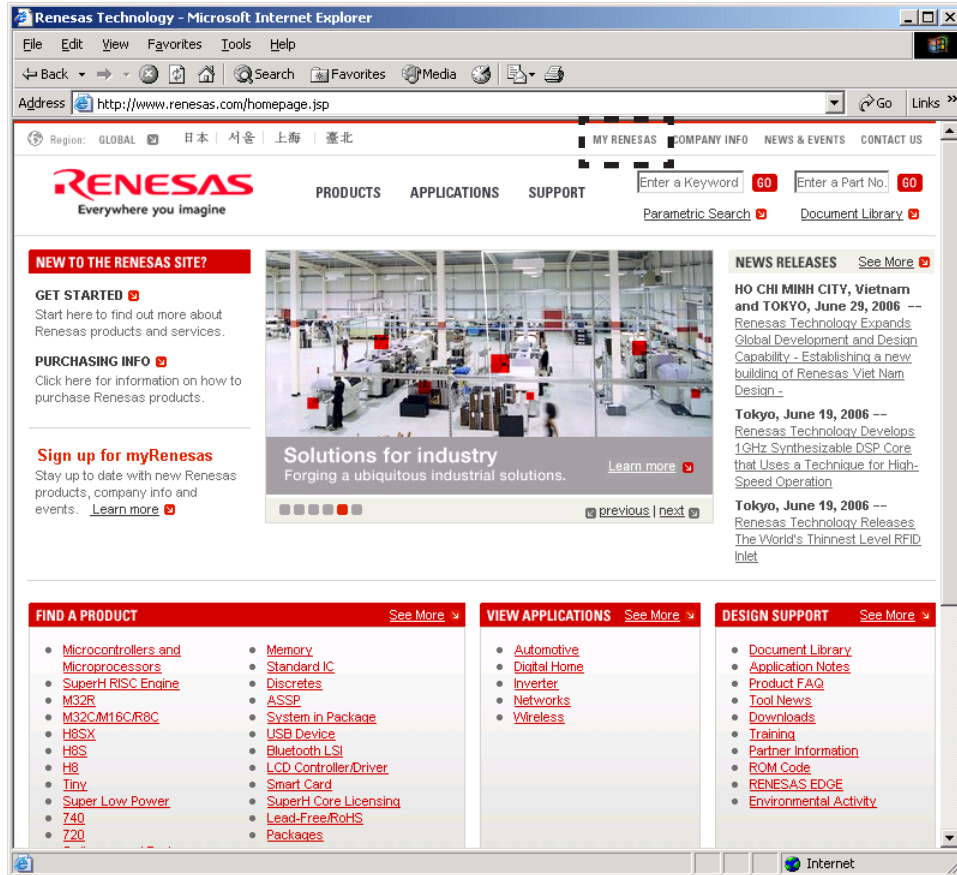
**注意 :** このサイトはRENESASが管理しているため、以下の説明が実際のサイト構成と異なっている場合があります。その場合は実際のRENESASのサイト構成に沿って進めてください。

3. **GLOBAL SITE**をクリックします。



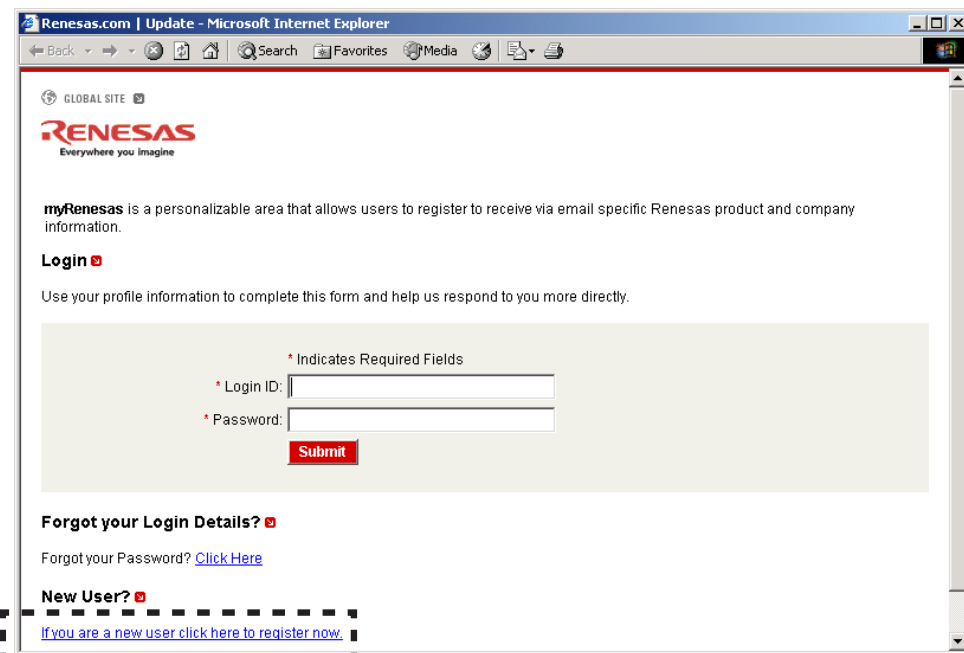
4. A login ID is necessary to download the FDT.  
If you have Login ID, please advance to step 15.  
If you do not have Login ID, Click the **MY RENESAS**.

4. FDTのダウンロードにはLogin IDが必要になります。  
既にLogin IDを持っている方は手順の15へ進んでください。  
Login IDを持っていない方は**MY RENESAS**をクリックします。

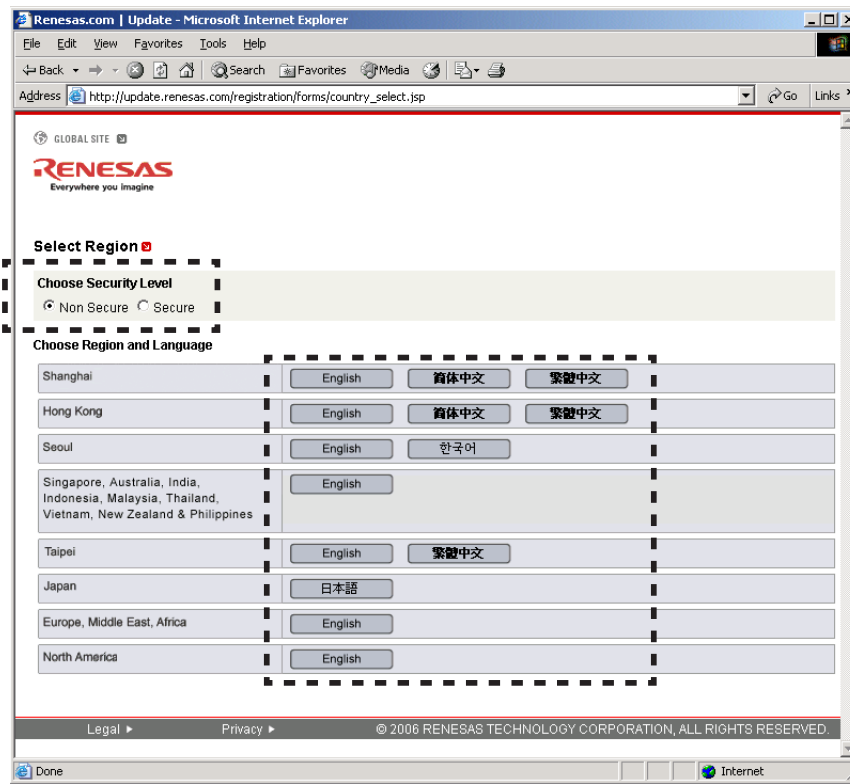


5. Click the **If you are a new user click here to register now**.

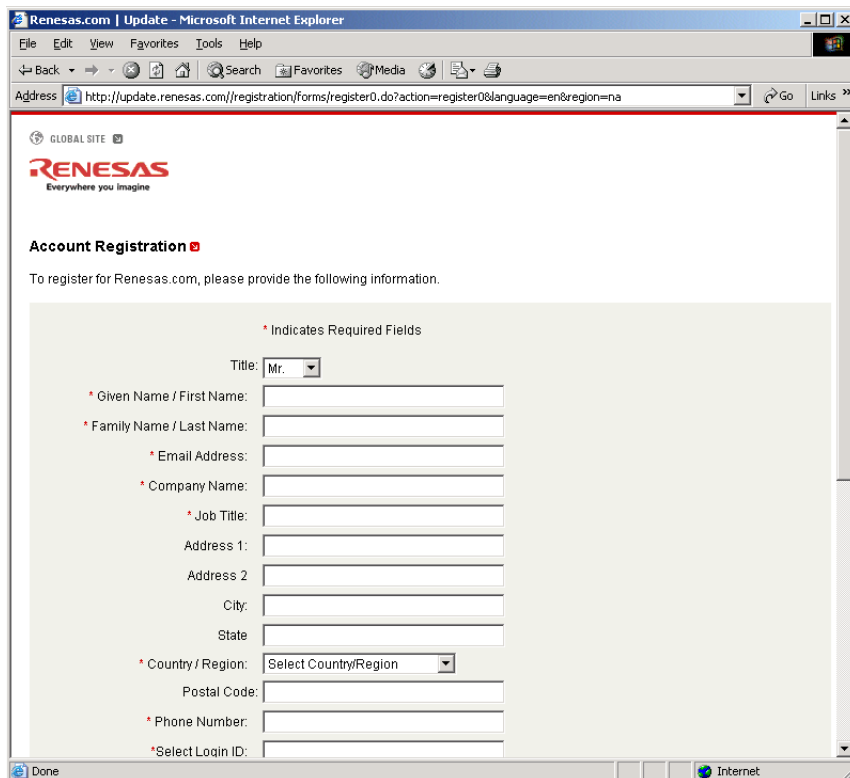
5. **If you are a new user click here to register now**をクリックします。



6. Choose **Non Secure** or **Secure** in Security Level at your network environment. Choose **English** or **another one** in Region and Language.
6. PCのネットワーク環境によりChoose Security Levelから**Non Secure**, または**Secure**を選んでください。Choose Region and Languageから日本語をクリックします。



7. Input the each item.
- NOTE :** The items displayed by a language and region are different.
7. 各項目を記入します。
- 注意 :** 下記説明は英語ですが、日本語を選んだ場合日本語で表示されます。



8. If you have inputted the necessary items, check the **I Agree**, and click the **Submit**.

8. 必須項目を入力したならば、**同意します**にチェックを入れ、**送信**をクリックします。

City:   
State:   
\* Country / Region:   
Postal Code:   
\* Phone Number:   
\* Select Login ID:   
\* Select Password:   
\* Password (confirm):   
\* Password Hint:   
\* Answer:   
 Do not supply my information to authorized distributors.  
 Renesas may use the e-mail address I have provided above to send me marketing promotions and news updates.  
 Renesas Sales can contact me.  
**Registration Agreement**  
Do you allow Renesas to process and store the information you submit in accordance with the Renesas Privacy Policy? [Click Here](#)  
 I Disagree  I Agree  
**Submit**  
TRUSTe  
© 2006 RENESAS TECHNOLOGY CORPORATION, ALL RIGHTS RESERVED.

9. The input is needless in this page. Scroll down the page.

9. このページは入力しなくても結構です。ページをスクロールダウンします。

GLOBAL SITE  
**RENEASAS**  
Everywhere you imagine  
**Content Subscription**  
Select a set of products and add them to your subscription list using the pull-downs below. Select "ALL" in a pull-down to subscribe to all newsletters related to a topic. Select "NONE" to subscribe to high-level information about a topic only.  
Category:   
Family:   
Series:   
Group:  **Add**  
**Subscribed Products**  

| Category | Family | Series | Group |
|----------|--------|--------|-------|
| Empty    |        |        |       |

**Applications / System Solutions**  
 Digital Home Electronics  
 Automotive  
 Network  
 Wireless

10. Click the **Submit**.

10. 送信をクリックします。

The screenshot shows a web browser window titled "Renesas.com | Update - Microsoft Internet Explorer". The address bar shows "http://update.renesas.com/registration/register1.do". The form contains the following elements:

- Category: Select product\_category (dropdown)
- Family: (dropdown)
- Series: (dropdown)
- Group: (dropdown) with an **Add** button
- Subscribed Products** table with columns: Category, Family, Series, Group. The table is currently empty.
- Applications / System Solutions** section with checkboxes for: Digital Home Electronics, Automotive, Network, Wireless.
- Other** section with checkboxes for: News and Events, Press Releases.
- A **Submit** button is highlighted with a dashed box.

At the bottom, there are links for Legal and Privacy, and a copyright notice: © 2006 RENESAS TECHNOLOGY CORPORATION, ALL RIGHTS RESERVED.

11. Immediately, an E-mail arrives from the RENESAS.  
Click the link in the E-mail to go to the registration site,  
and input the Login ID and Password.  
And Click the **Submit**.

11. 直ちに、RENESASからE-mailが届きます。  
E-mail内に有る登録サイトへのリンクをクリックします。  
Login IDとPasswordを入力し**Submit**をクリックします。

The screenshot shows a web browser window titled "Renesas.com | Update - Microsoft Internet Explorer". The address bar shows "http://update.renesas.com/registration/authentication.do?action=authentication&destination=HTTP://www.renesas.com:8080". The page content includes:

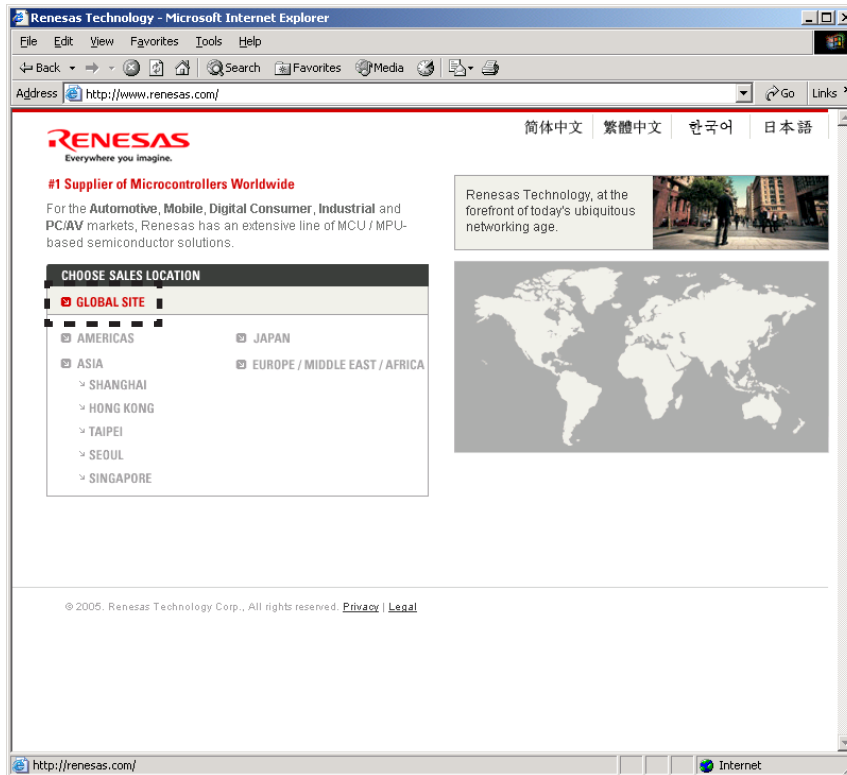
- GLOBAL SITE icon and the Renesas logo with the tagline "Everywhere you Imagine".
- Login** section with the text "Please login to proceed Download Process."
- A dashed box containing:
  - \* Indicates Required Fields
  - \* Login ID: (input field)
  - Password: (input field)
  - Submit** button
- Forgot your Login Details?** with a [Click Here](#) link.
- New User?** with a [If you are a new user click here to register now.](#) link.

At the bottom, there are links for Legal and Privacy, and a copyright notice: © 2006 RENESAS TECHNOLOGY CORPORATION, ALL RIGHTS RESERVED.



12. Registration is finished.
13. Open the RENESAS top page from registration page.
14. Click the **GLOBAL SITE**.

12. 登録が完了します。
13. 登録ページに有るリンクからRENEASASのトップページに移動します。
14. **GLOBAL SITE**をクリックします。



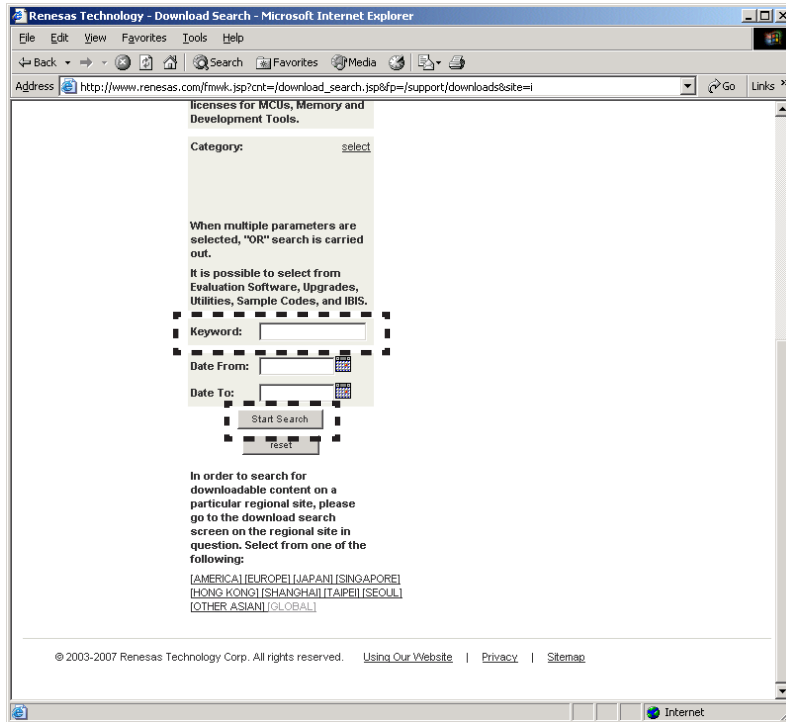
15. Click the **Downloads** in the DESIGN SUPPORT.

15. DESIGN SUPPORT内の**Downloads**をクリックします。



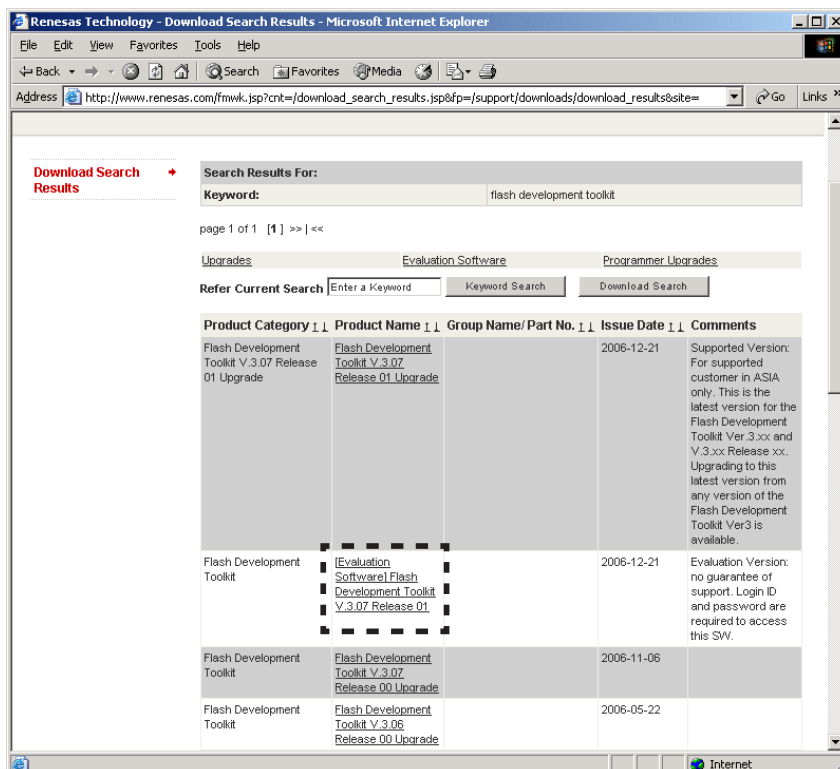
16. Scroll down the page, and type the "Flash Development toolkit" into the Keyword.  
And click the **Start Search**.

16. ページをスクロールダウンし、Keywordに"Flash Development toolkit"を入力します。  
**Start Search**をクリックします。



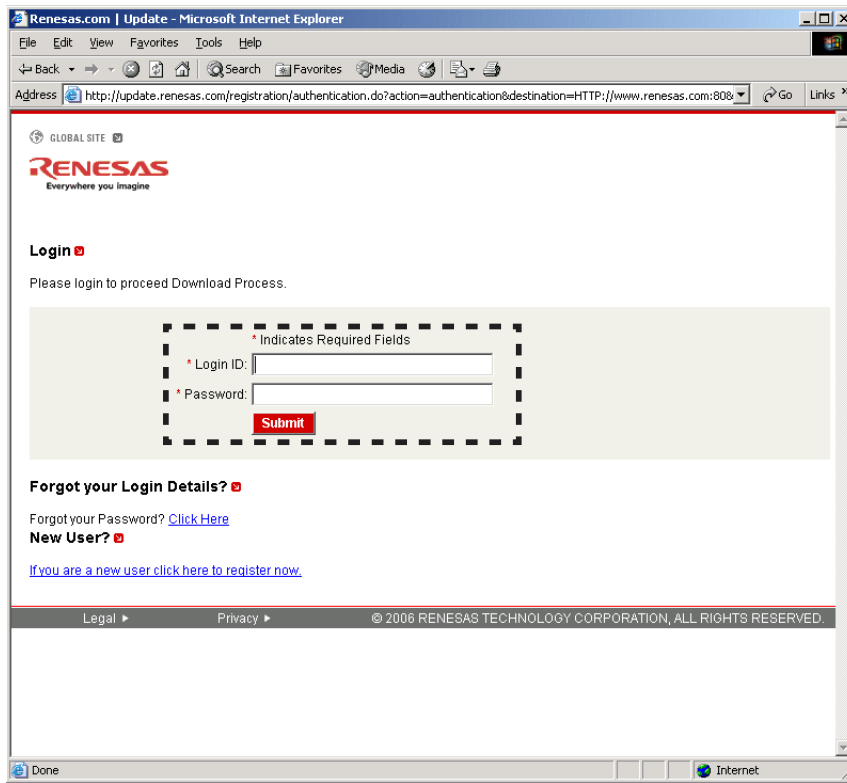
17. Click the **latest Flash Development Toolkit V3.xx** in the table. **But DO NOT click the upgrade version because installation fails.**  
**NOTE :** The latest edition is FDT V3.07 Release 01 at February, 2007. It is in FDT V3.07 Release 01 as follows and explains it.

17. 検索結果の中から**最新のFlash Development Toolkit V3.xx**をクリックします。アップグレード版はインストールに失敗するのでクリックしないでください。  
**注意 :** 2007年2月の最新バージョンはV3.07 Release 01になります。以下FDT V3.07 Release 01で説明します。



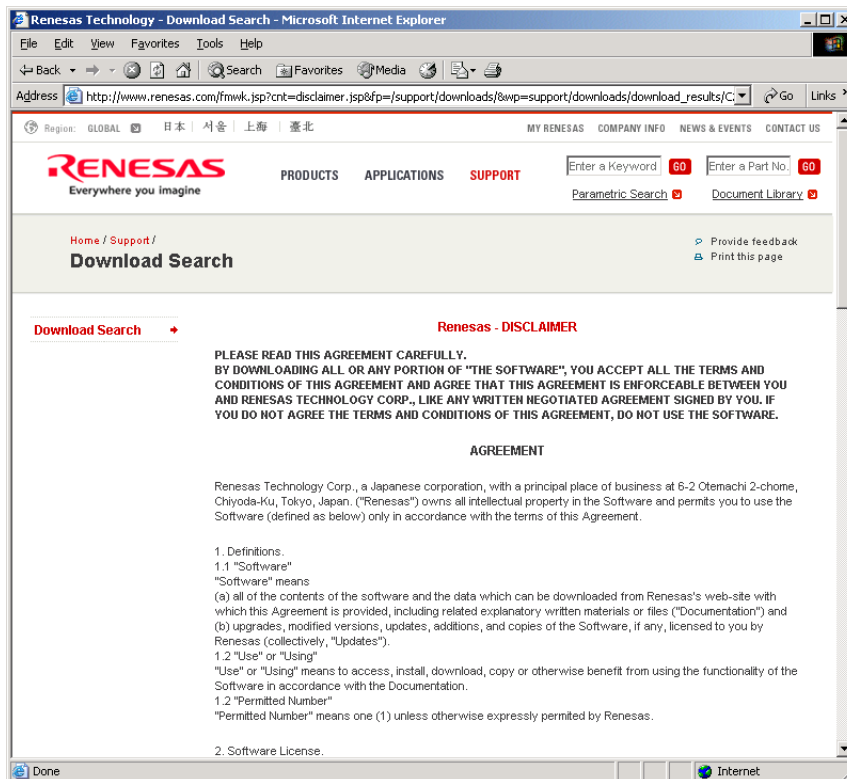
18. Input the Login ID and Password.  
And click the **Submit**.

18. ダウンロードするためにLogin IDとPasswordを入力します。  
**Submit**をクリックします。



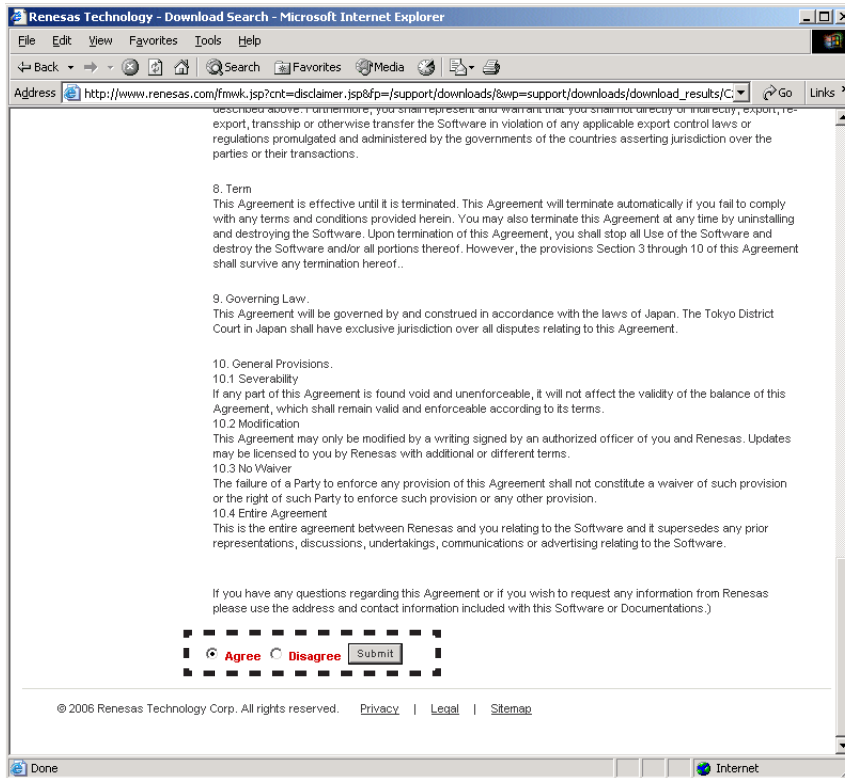
19. Scroll down the page.

19. ページをスクロールダウンします。



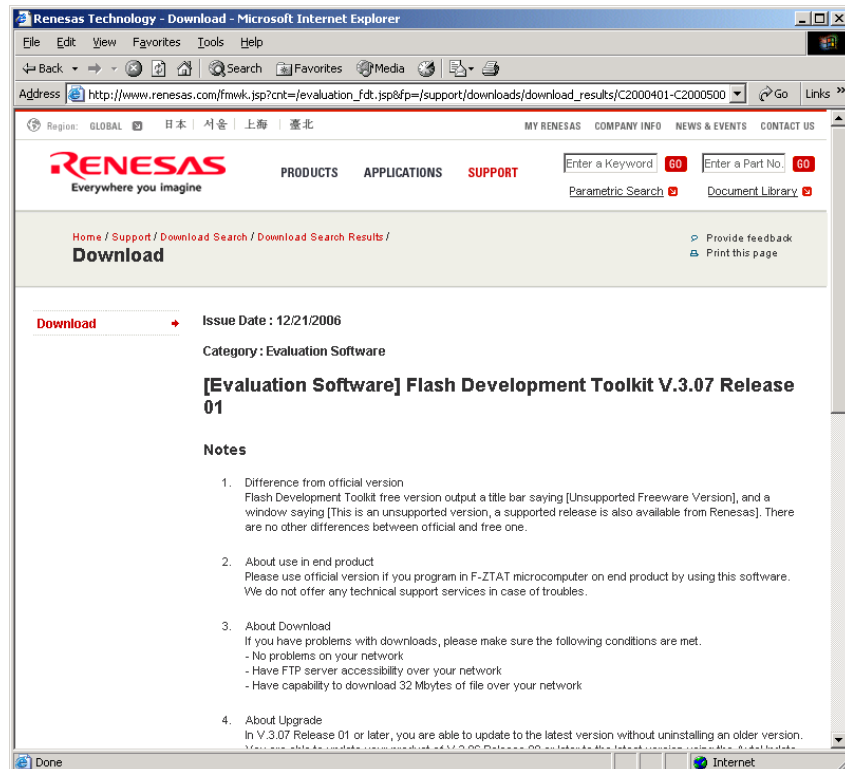
20. Check the **Agree**, and click the **Submit**.

20. **Agree**にチェックを入れ、**Submit**をクリックします。



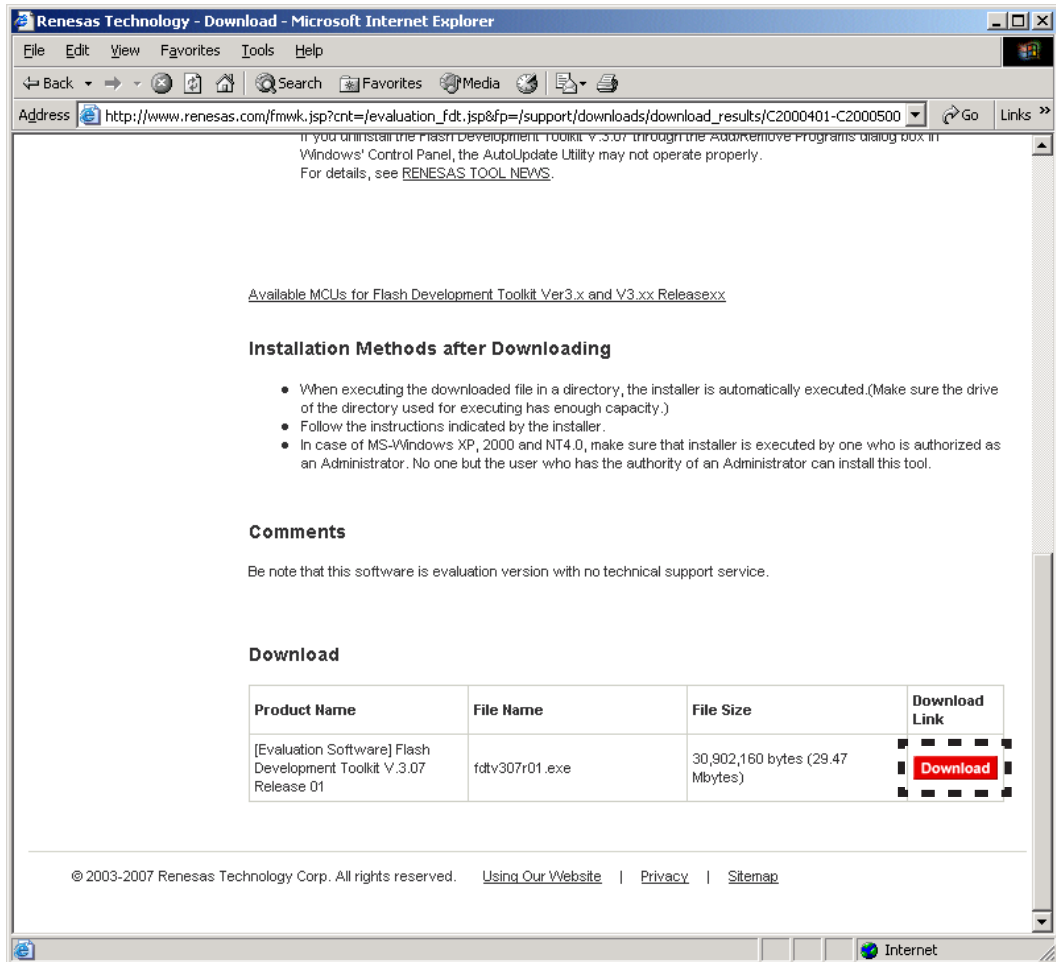
21. Scroll down the page.

21. ページをスクロールダウンします。



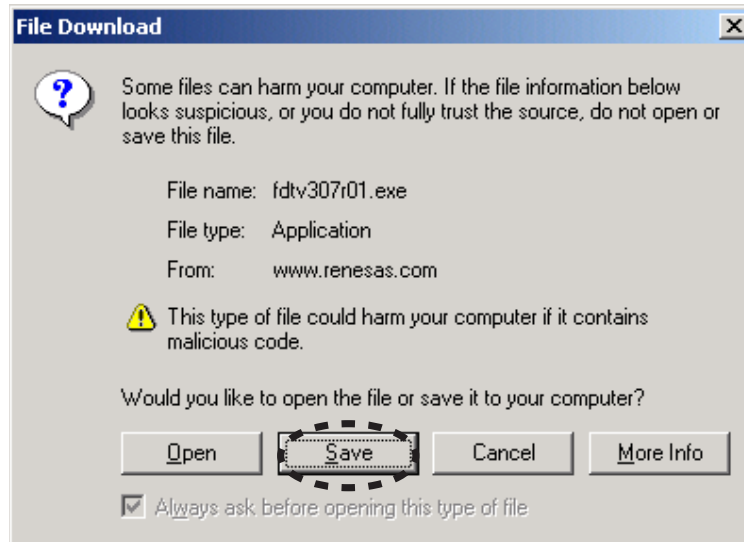
22. Click the **Download**.

22. **Download**をクリックします。



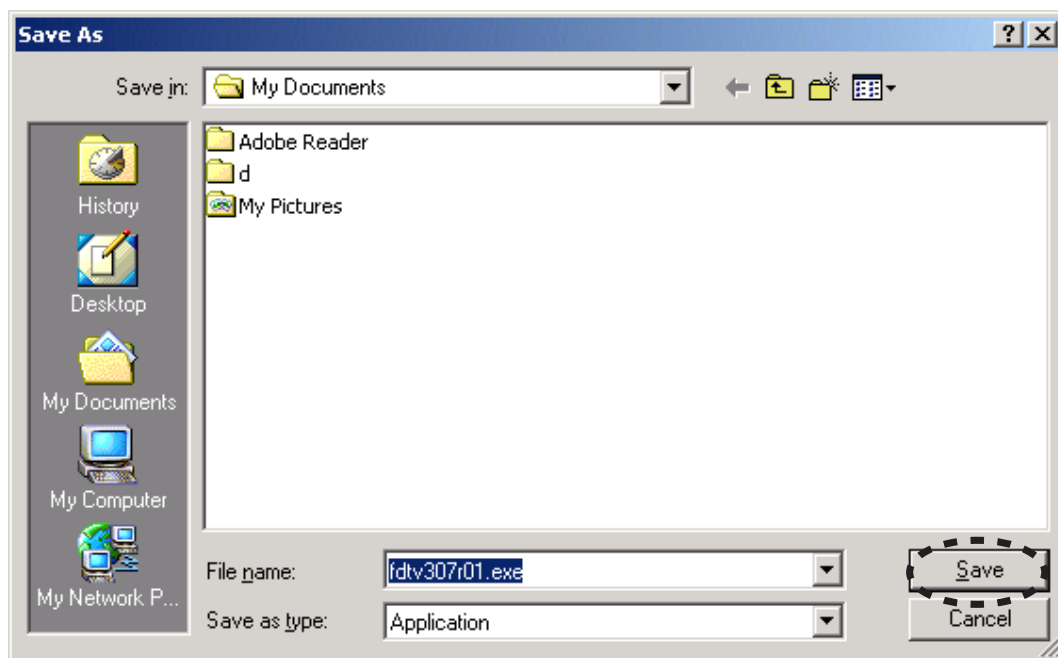
23. Click the **Save**.

23. **Save**をクリックします。



24. Save the fdtv307r01.exe on your PC's hard disc.  
**NOTE** : A file name is change by improvement.

24. fdtv307r01.exeを任意のフォルダに保存します。  
**注意** : ファイル名はバージョンにより変わります。

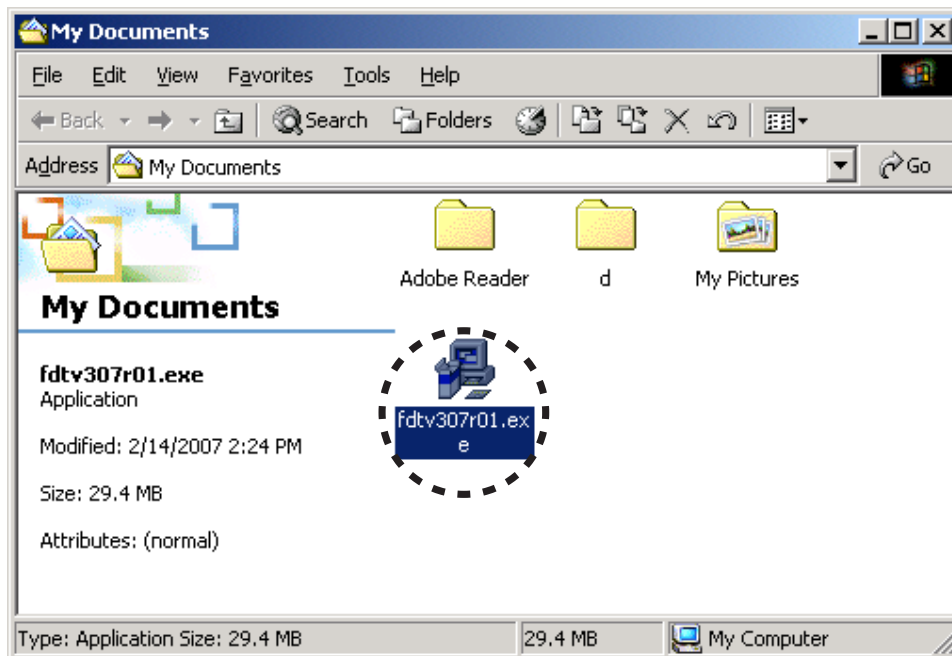


[A-2] INSTALLS OF THE SOFTWARE  
(Flash Development Toolkit Ver.3.07)

1. Open the folder with the downloaded file.
2. And double click the **fdtv307r01.exe**.

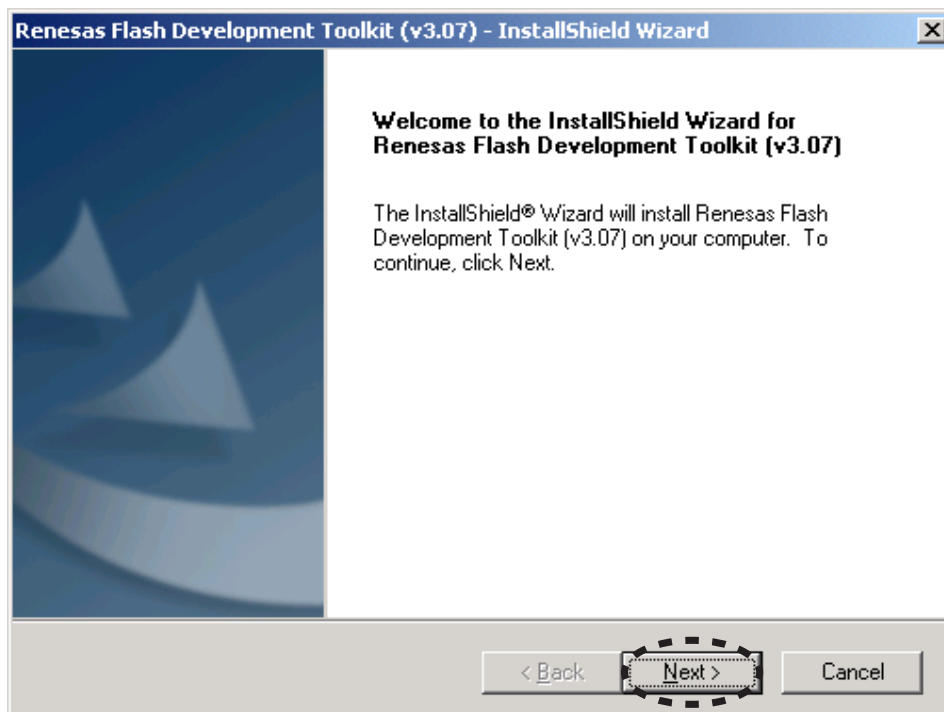
[A-2] INSTALLS OF THE SOFTWARE  
(Flash Development Toolkit Ver.3.07)

1. ダウンロードしたファイルのあるフォルダを開きます。
2. **fdtv307r01.exe**をダブルクリックします。

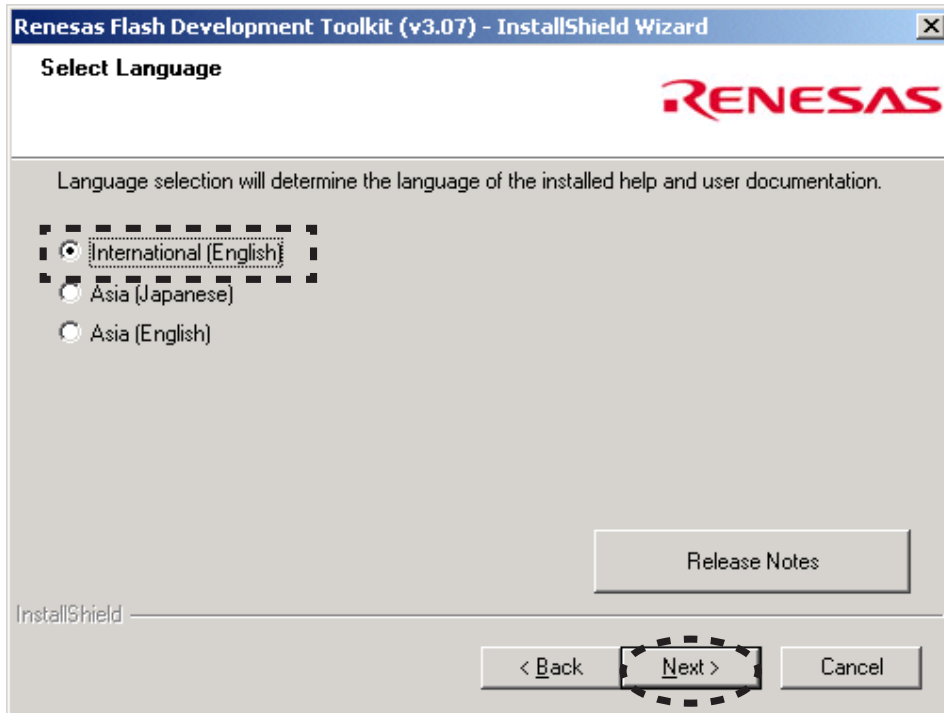


3. Click the **Next**.

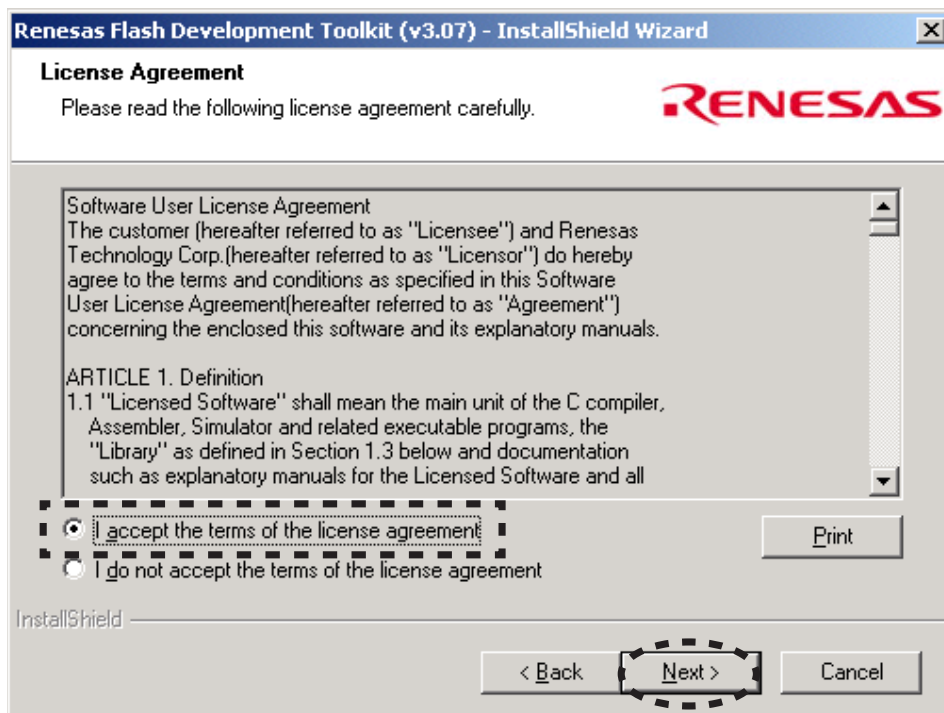
3. **Next**をクリックします。



4. Check the **International [English]**, and click the **Next**.      4. **International [English]**にチェックを入れ**Next**をクリックします。



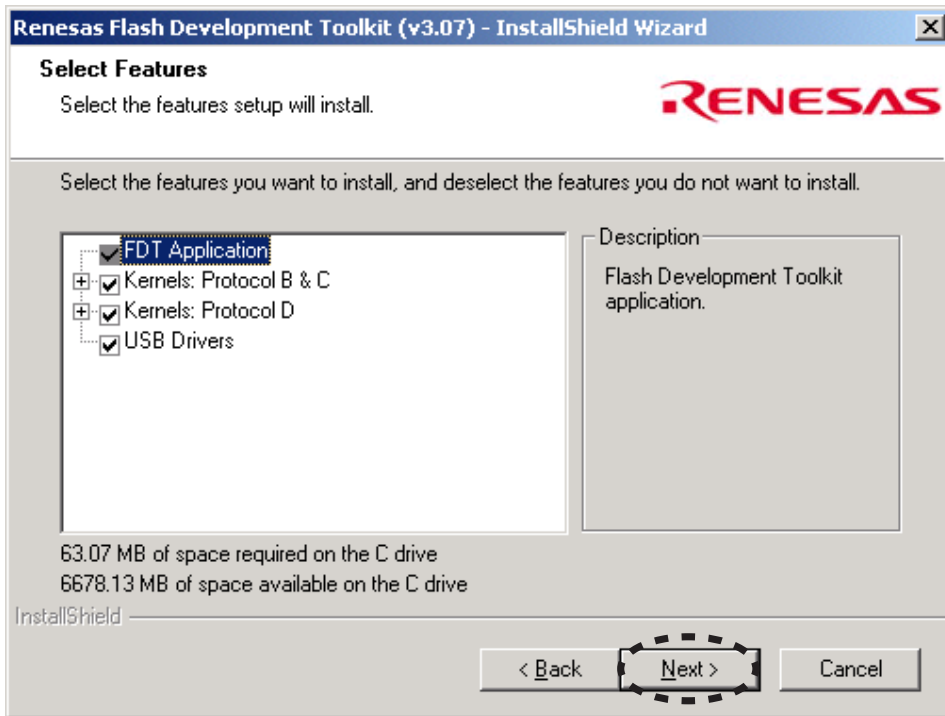
5. Check the **I accept the terms of the license agreement**, and Click the **Next**.      5. **I accept the terms of the license agreement**にチェックを入れ、**Next**をクリックします。





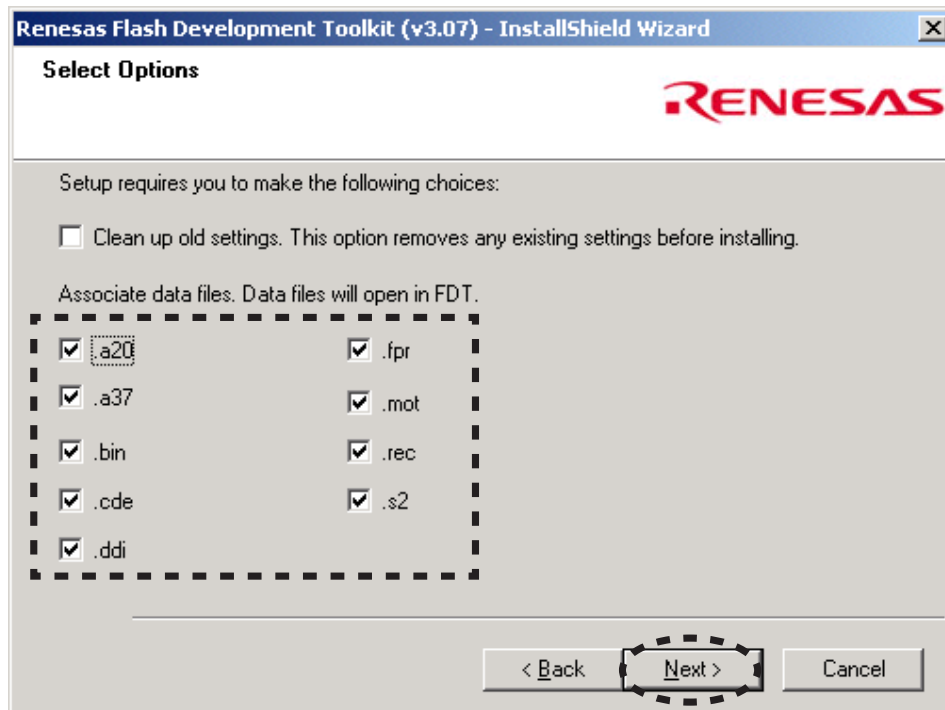
6 Click the **Next**.

6. **Next**をクリックします。



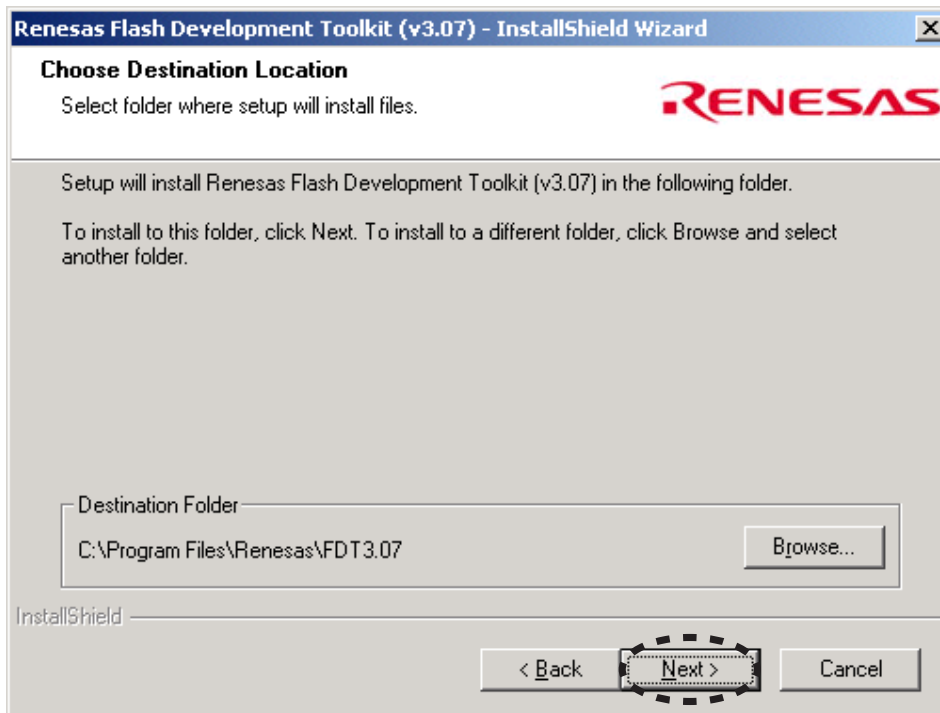
7. Check the all file type, and Click the **Next**.

7. 全てのファイルタイプにチェックを入れ、**Next**をクリックします。



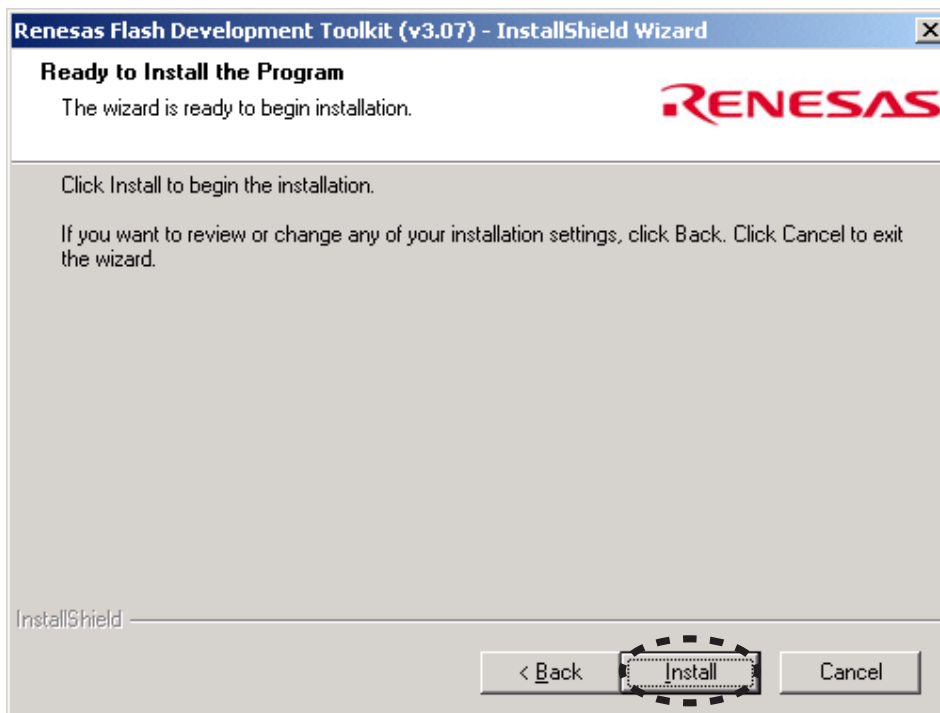
8. Click the **Next**.

8. **Next**をクリックします。



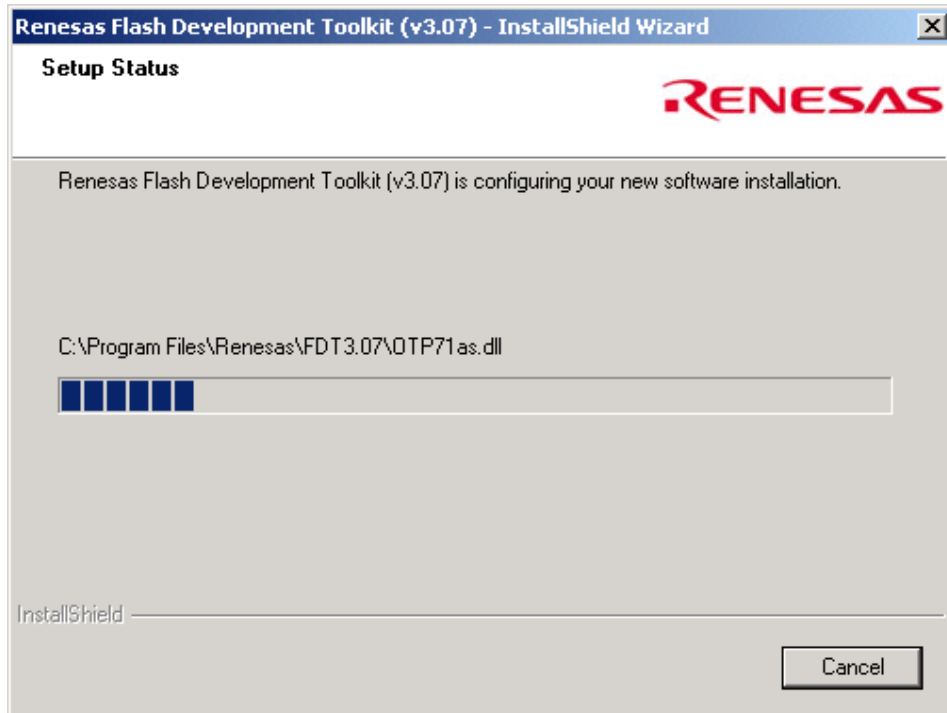
9. Click the **Install**.

9. **Install**をクリックします。



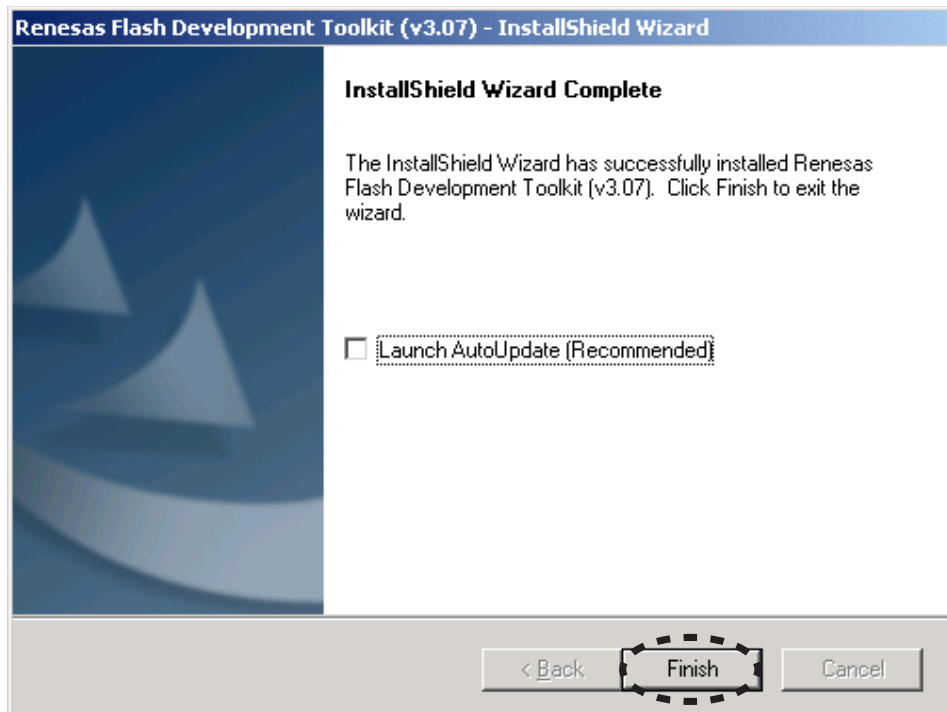
10. The Setup Status bar appears.

10. インストールの状態が表示されます。



11. Un-Check the Launch AutoUpdate, and click the **Finish**.

11. 11. Launch AutoUpdateのチェックを外し、**Finish**をクリックします。



## [B] WRITING AND UPDATE SOFTWARE

Microprocessor needs writing software, when a microprocessor (QU01) is replaced.

Software for microprocessor (QU01) can be updated/downloaded.

Have update/download application software. ("fdtv307r01.exe (FDT3.07 Release 01) or latest version")

### Update/Download microprocessor's software to internal Flash-ROM.

- This mode is to update/download the software for microprocessor.
- The target device is internal flash ROM of microprocessor (QU01) on U-COM PWB (PD01).
- The updating/downloading of software takes about 30 seconds.

### NECESSARY EQUIPMENT

The following items are required for updating/downloading.

- Windows PC (OS: Windows2000 or WindowsXP) with Serial port.
- RS-232C Dsub-9 pin cable (female to female/straight type).
- Writing data. P/N : 00M04AJ499G00 (PM-11S2\_vyymmdd.mot)  
**NOTE :** G00 is a revision number. The latest revision is G00 at present.  
The yy is two digits of year. The mm is month.  
The dd is date.
- Flash Development Toolkit 3.07 or latest version V3.xx. (fdtv307r01.exe or latest version)
- Connection JIG. (90M-PM11S1JIG)

## [B] WRITING AND UPDATE SOFTWARE

メインマイコンQU01を交換したときは、QU01へプログラムを書き込む必要があります。

メインマイコンのソフトウェアは更新、および書き込みが出来ます。

更新および書き込みには書き込み用アプリケーションが必要です。("fdtv307r01.exe (FDT3.07 Release 01)または最新版")

### Update/Download microprocessor's software to internal Flash-ROM.

- このモードはMAINマイコンの更新および書き込み用です。
- U-COM基板(PD01)のQU01のマイコン内部のフラッシュROMに書き込みます。
- 書き込みにかかる時間は約30秒です。

### 必要機器

下記は更新および書き込みに必要な機器です。

- Windows PC (OS : Windows2000 またはWindowsXP) で Serial ポートのあるもの。
- RS-232C ストレートケーブル(9Pin メス-9Pin メス)。
- 書き込み用データ。P/N : 00M04AJ499G00 (PM-11S2\_vyymmdd.mot)  
**注意 :** G00はリリース番号。最新リリース番号はG00です。  
yyは年の下二桁、mmは月、ddは日
- Flash Development Toolkit 3.07または最新版 V3.xx. (fdtv307r01.exeまたは最新版)
- 接続治具(90M-PM11S1JIG)。

**[B-1] Update/Download microprocessor's software to internal Flash-ROM.**

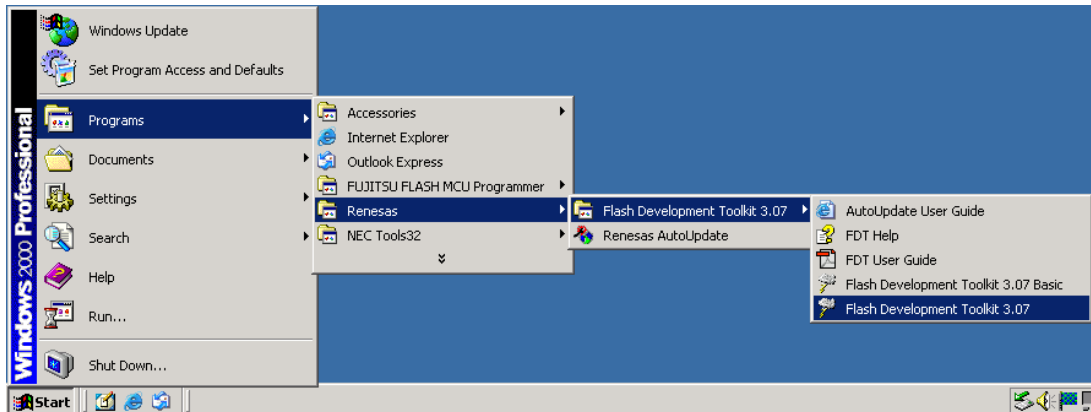
**[B-1-1] The writing software setup procedure**

1. Launch the Flash Development Toolkit v3.07 (FDT).  
**NOTE :** Please refer to "[A] SOFTWARE DOWNLOAD AND INSTALL PROCEDURE", when you do not have FDT.
2. Click **Start, Programs, Renesas, Flash Development Toolkit 3.07** and **Flash Development Toolkit 3.07**.

**[B-1] Update/Download microprocessor's software to internal Flash-ROM.**

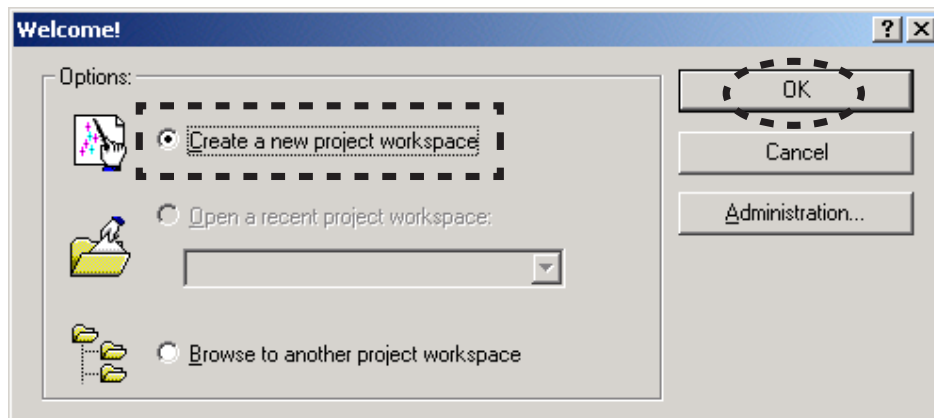
**[B-1-1] The writing software setup procedure**

1. Flash Development Toolkit v3.07 (FDT)を起動します。  
**注意 :** FDTを持っていない方は"[A] SOFTWARE DOWNLOAD AND INSTALL PROCEDURE"を参照してダウンロードしてください。
2. **Start, Programs, Renesas, Flash Development Toolkit 3.07, Flash Development Toolkit 3.07**をクリックします。



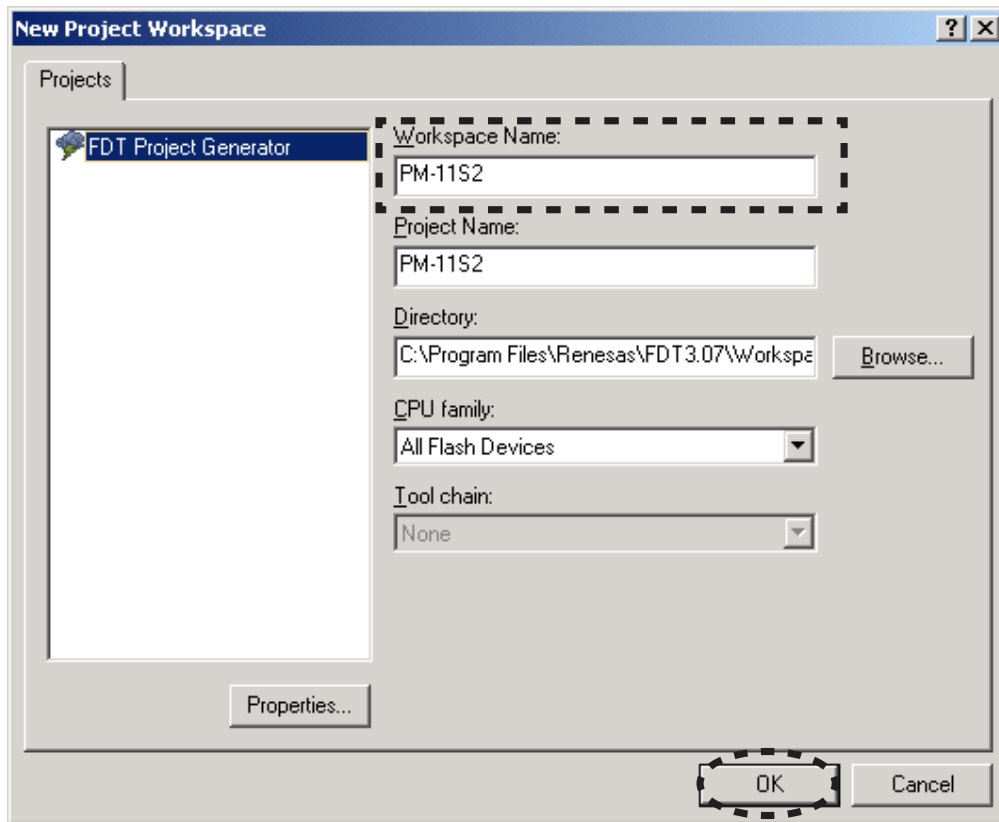
3. Check the **Create a new project workspace**, and click the **OK**.  
**NOTE :** It is needs setup for PM-11S2. When you have already setup, please advance to "[B-1-2] Writing Procedure for microprocessor".

3. **Create a new project workspace**をチェックし、**OK**をクリックします。  
**注意 :** PM-11S2用の設定が必要です。既に設定が終わっている方は"[B-1-2] Writing Procedure for microprocessor"へ進んでください。



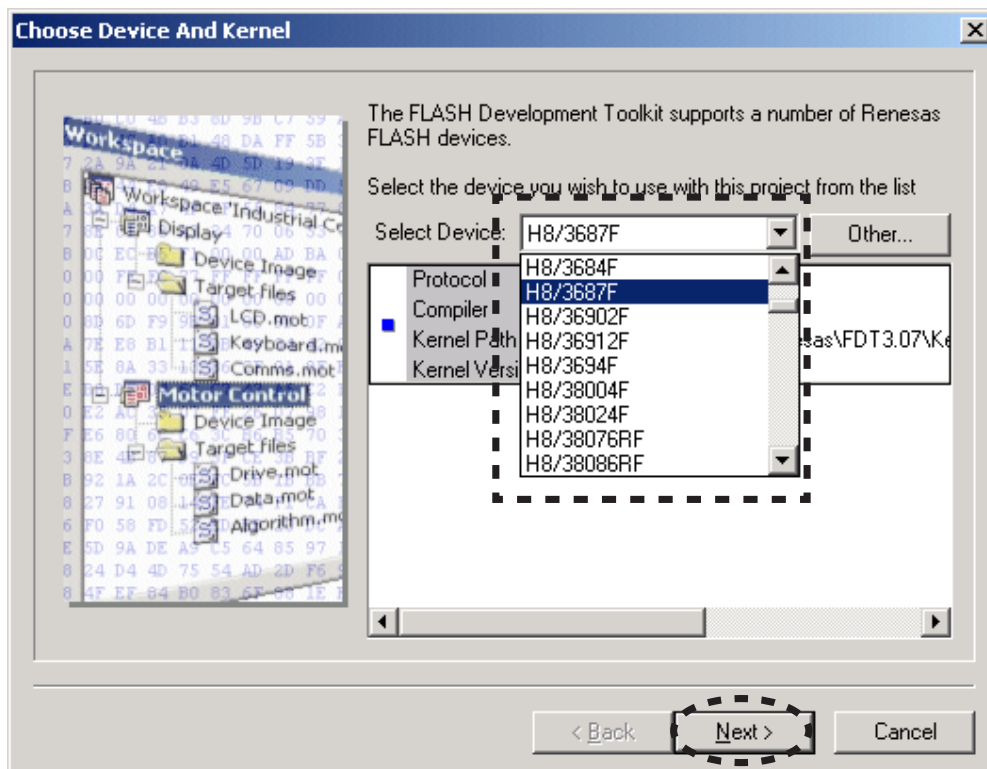
4. **PM-11S2** is inputted into the Workspace Name.  
(It is simultaneously inputted into Project Name.)  
Click the **OK**.

4. Workspace Nameに**PM-11S2**を入力します。  
(同時にProject Nameにも入力されます)  
**OK**をクリックします。

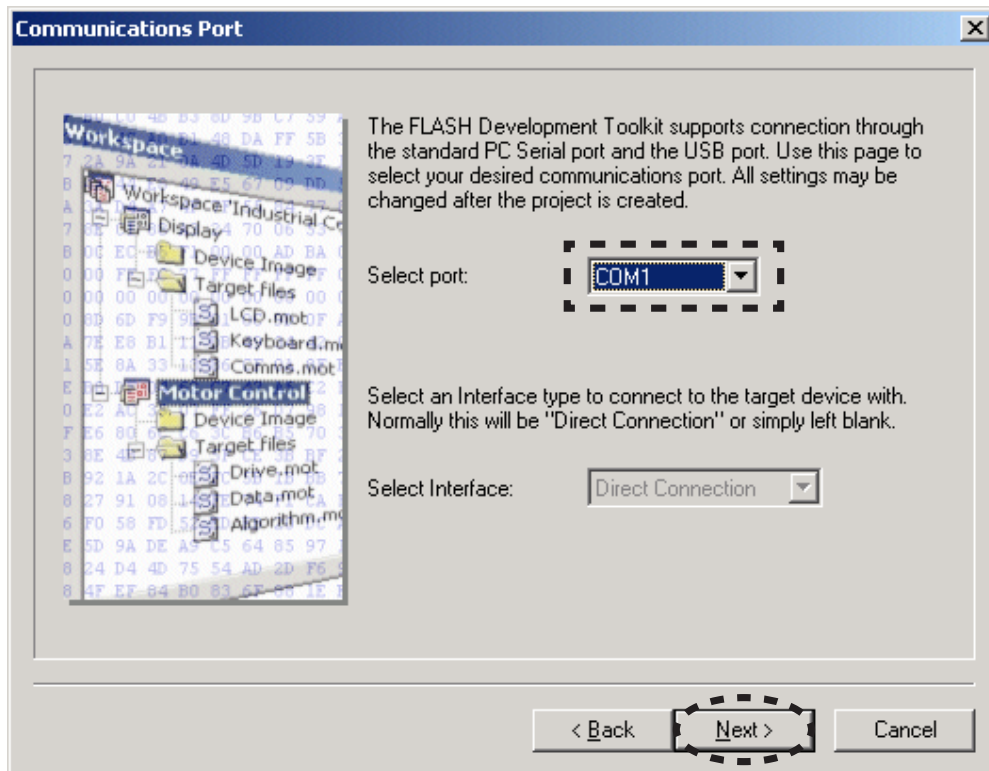


5. Choose the **H8/3687F** in Select Device. And click the **Next**.

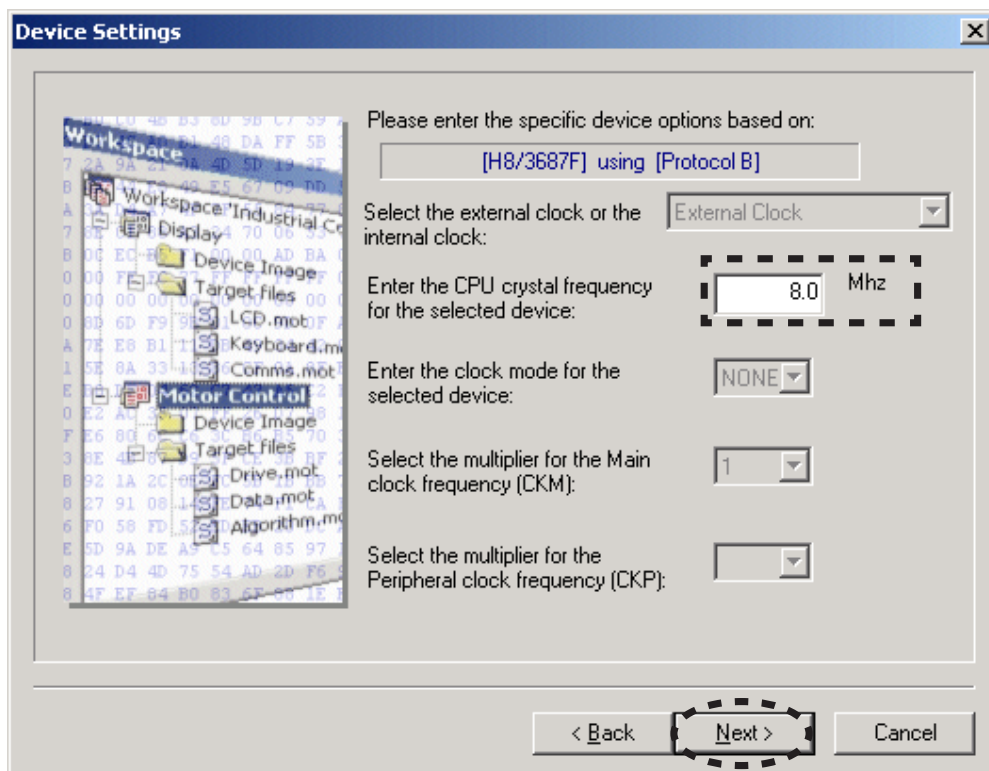
5. Select Deviceから**H8/3687F**を選択し、**Next**をクリックします。



6. Choose the **Serial port number** in the Select Port. And click the **Next**.
6. Select Portから**Serialポート番号**を選び、**Next**をクリックします。

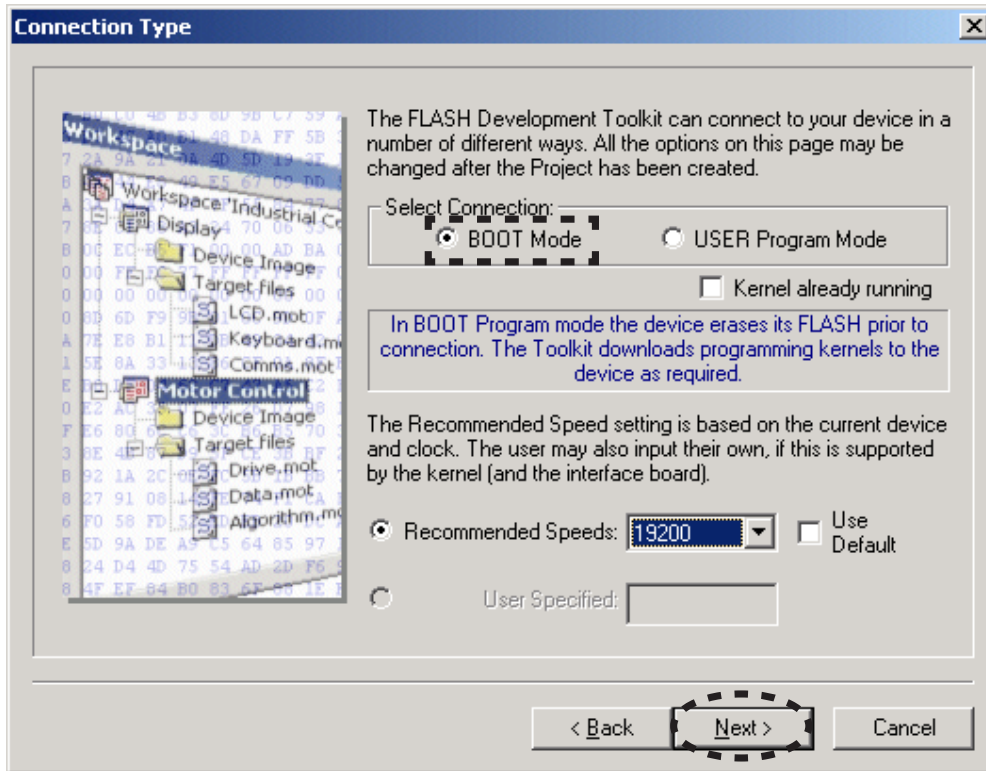


7. **8.0** is inputted into the Enter the CPU crystal frequency for the selected device. And click the **Next**.
7. Enter the CPU crystal frequency for the selected device to **8.0** and click **Next**.



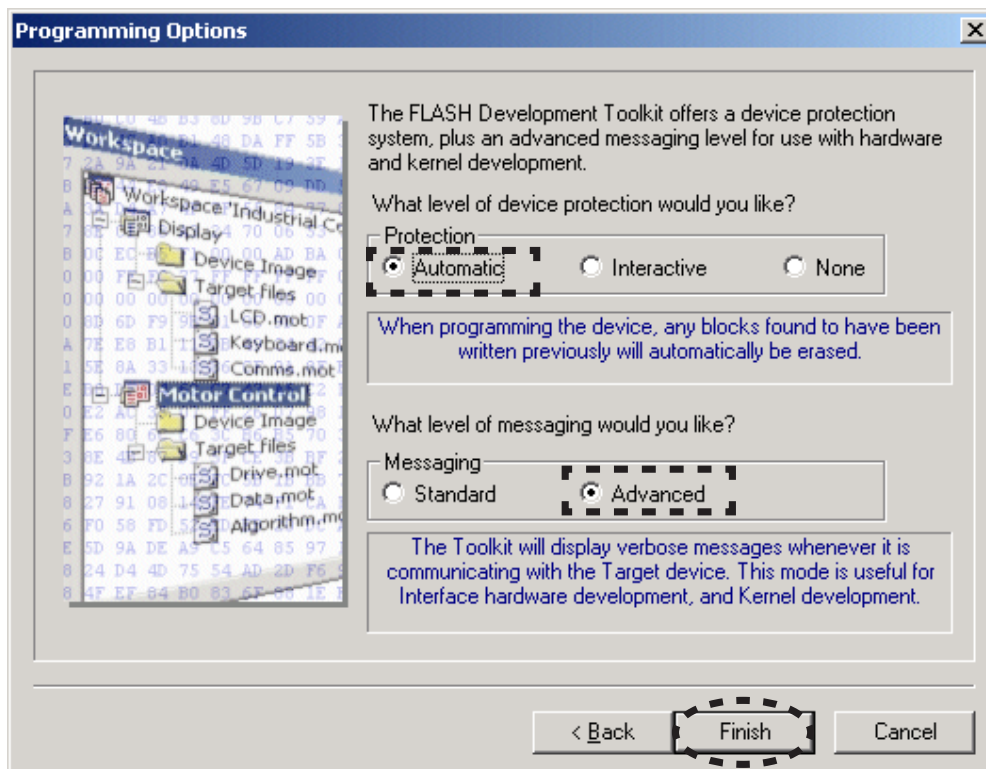
8. Check The **BOOT Mode** in Select Connection.  
Un-check the **Use Default**, and choose the **19200** in Recommended Speeds.  
Click the **Next**.

8. Select Connectionの**BOOT Mode**をチェックします。  
Recommended Speedsの**Use Default**のチェックを外し、**19200**を選択します。  
**Next**をクリックします。



9. Check the **Automatic** in Protection.  
Check the **Advanced** in Messaging.  
Click the **Finish**.

9. Protectionの**Automatic**をチェックします。  
Messagingの**Advanced**をチェックします。  
**Finish**をクリックします。



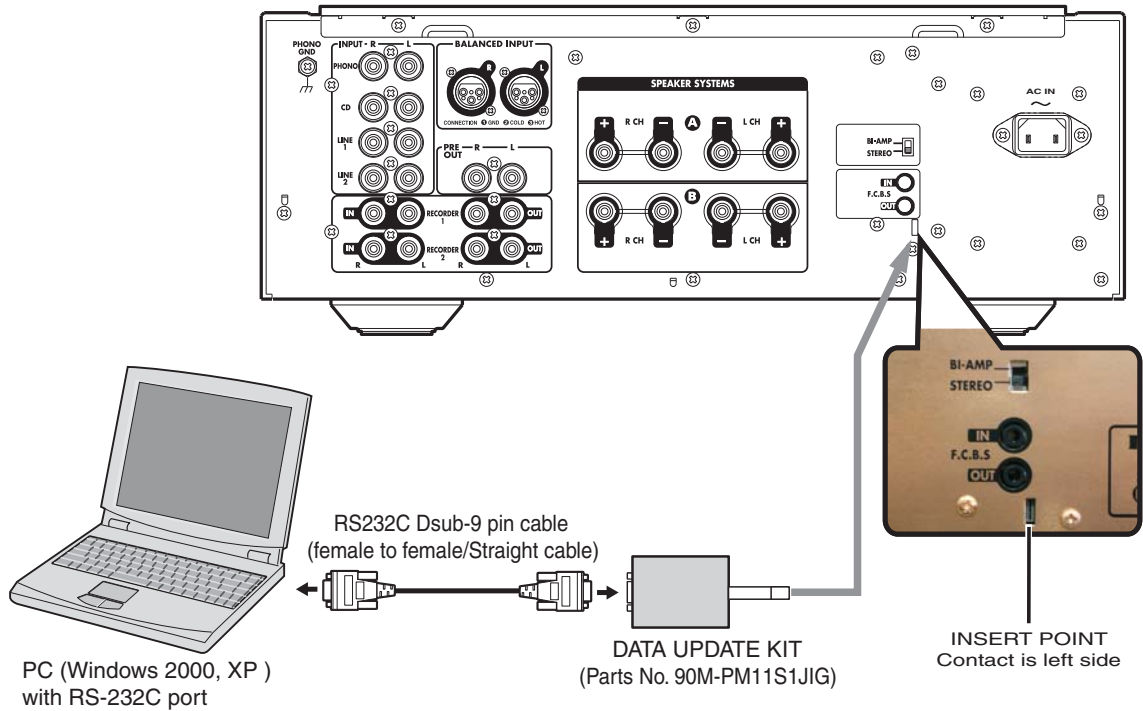


**[B-1-2] Writing Procedure for microprocessor**

1. Disconnect the mains cord from the unit.
2. Connect the RS-232C on the connection JIG and the Serial Port of windows PC with RS-232C cable.
3. Connect FFC (left side contact) to the rear panel of the unit from connection JIG.

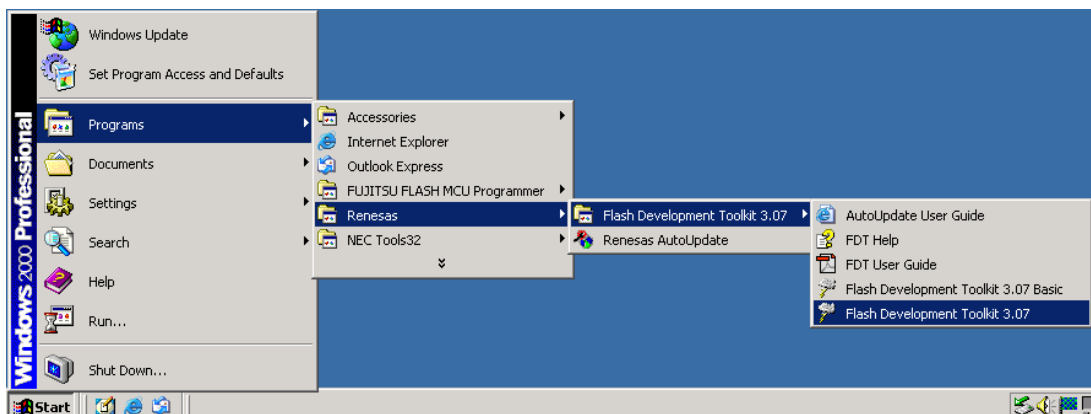
**[B-1-2] Writing Procedure for microprocessor**

1. 本機の電源ケーブルを抜きます。
2. 接続治具のRS-232CコネクタとWindows PCのSerialポートをRS-232Cケーブルで接続します。
3. 本機のリアパネルに接続治具のFFC をコンタクト面に左にして差し込みます。

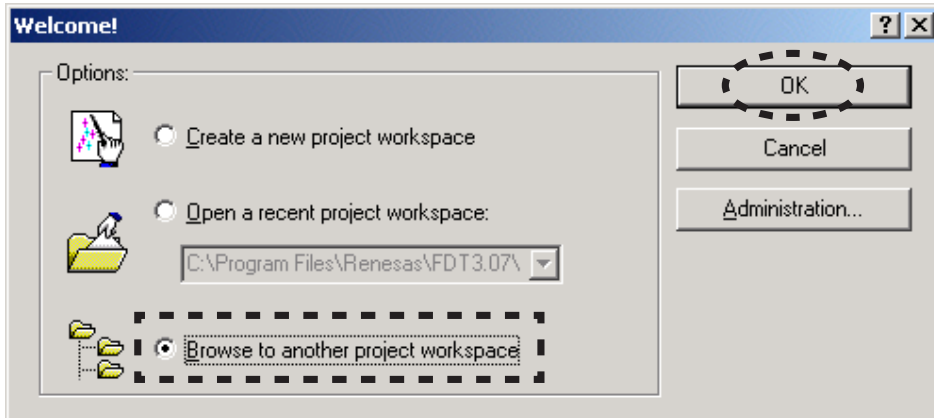


4. Connect the mains cord into the unit.
5. Launch the Flash Development Toolkit (FDT), When FDT is not launch. When FDT is already launch, please advance to step No.9.
6. Click **Start, Programs, Renesas, Flash Development Toolkit 3.07** and **Flash Development Toolkit 3.07**.

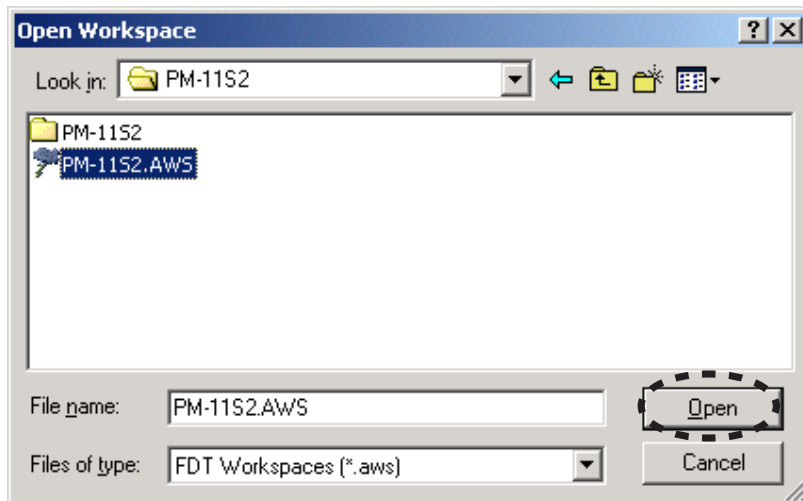
4. 本機に電源コードを接続します。
5. Flash Development Toolkit v3.07(FDT)を起動していない場合は起動します。既にFDTを起動している方はステップ9に進んでください。
6. **Start, Programs, Renesas, Flash Development Toolkit 3.07, Flash Development Toolkit 3.07**をクリックします。



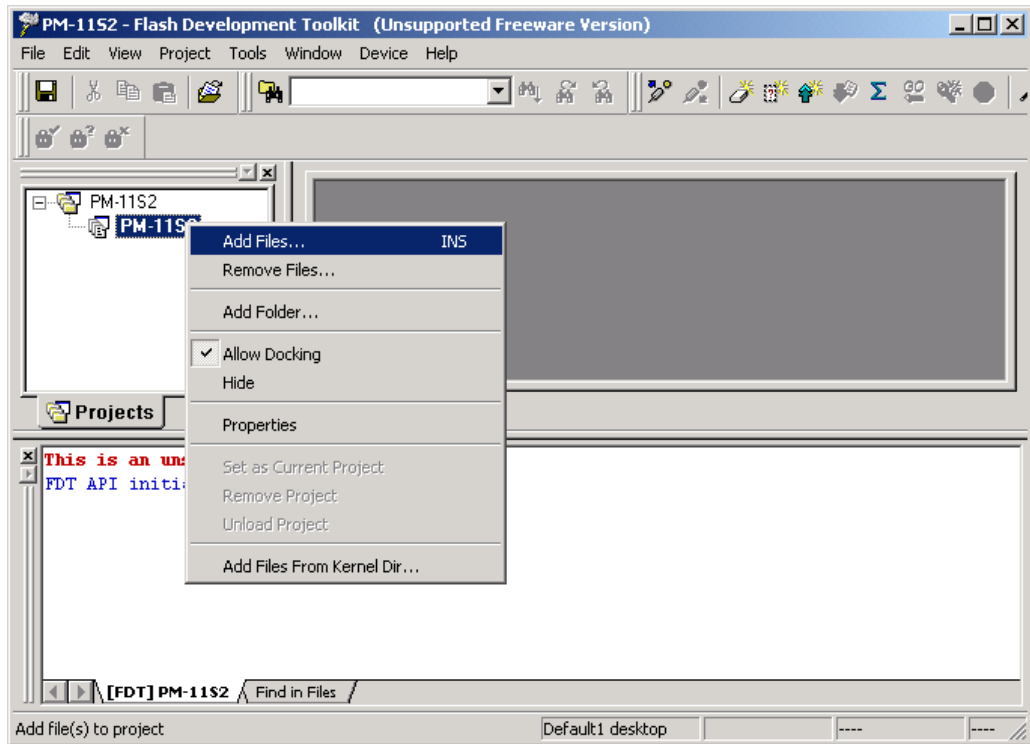
7. Check the **Browse to another project workspace**, and click **OK**.      7. **Browse to another project workspace**をチェックし、**OK**をクリックします。



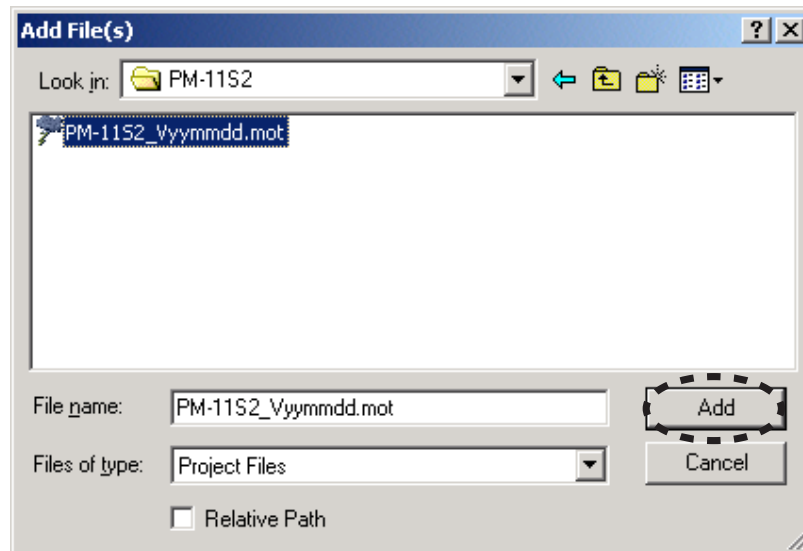
8. Choose **PM-11S2.AWS** in PM-11S2 folder under workspace folder. And Click the **Open**.      8. workspaceフォルダの下のPM-11S2フォルダ内の **PM-11S2.AWS**を選択し、**Open**をクリックします。



9. Right button of mouse click on the **PM-11S2**, and select the **Add Files...** in a menu.
9. **PM-11S2**を右クリックし、メニューから**Add Files...**をクリックします。



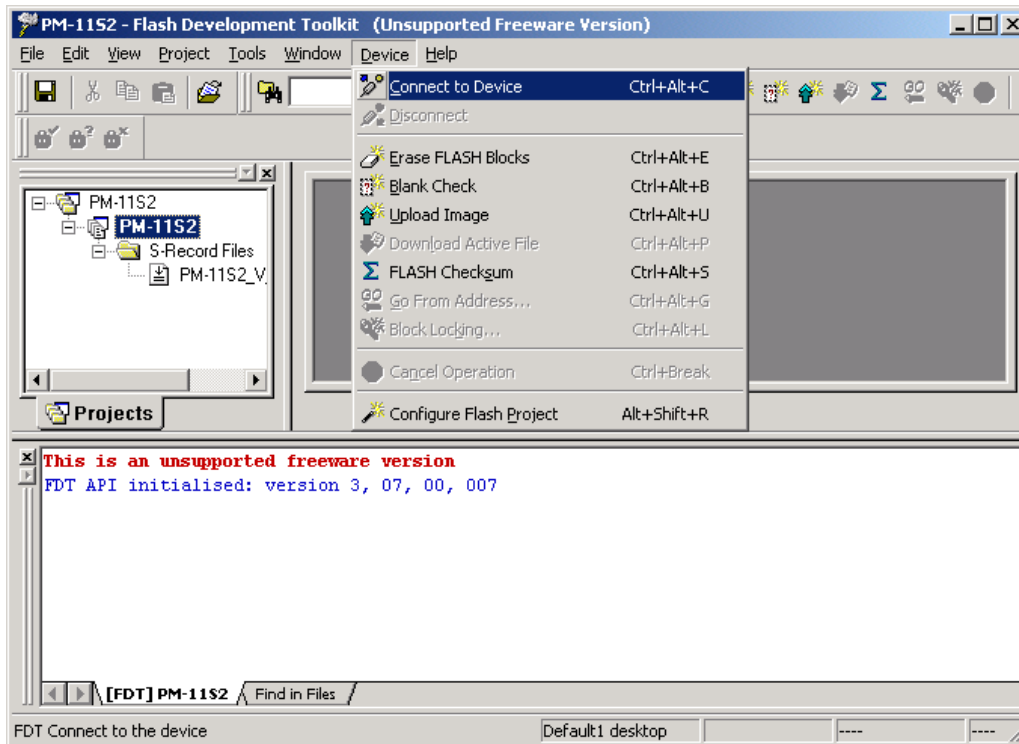
10. Choose the **PM-11S2\_Vvymdd.mot**, and click the **Add**.
10. **PM-11S2\_Vvymdd.mot**を選択し、**Add**をクリックします。
- NOTE** : The yy is digits of year. The mm is month. The dd is date.
- 注意** : yyは年の下二桁、mmは月、ddは日



11. Press the **POWER ON/OFF** button for turn on the unit. At that time, the LCD display and LED does not light
11. **POWER ON/OFF**ボタンを押し、本機の電源を入れます。この時、LCDディスプレイとLEDは点灯しません。

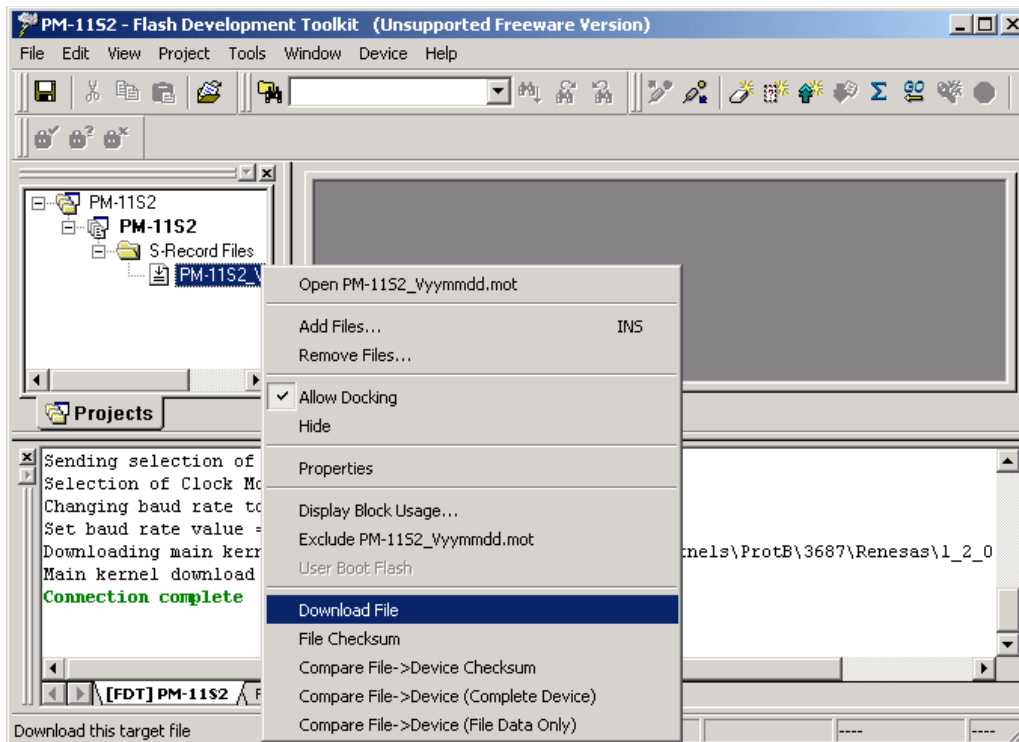
12. Click the **Device** in the menu bar and select the **Connect to Device**.

12. **Device**をクリックし、メニューから**Connect to Device**をクリックします。



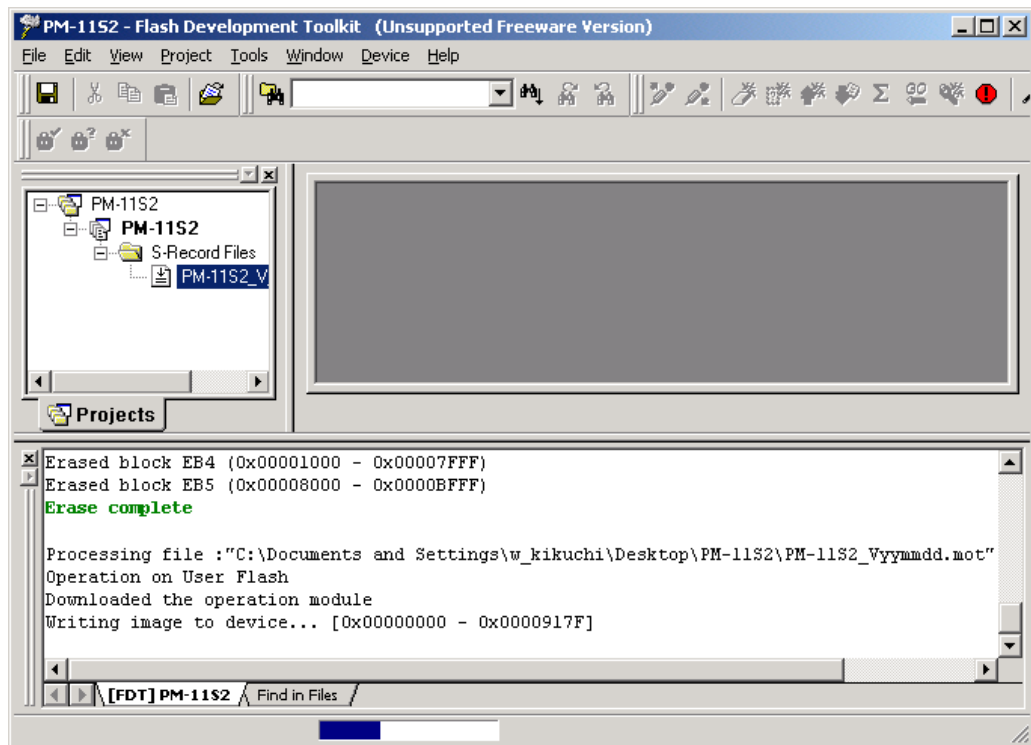
13. Press right button of mouse on the **PM-11S2\_Vvymmdd.mot**, and select the **Download File** in a menu.

13. **PM-11S2\_Vvymmdd.mot**を右クリックし、メニューから**Download File**をクリックします。



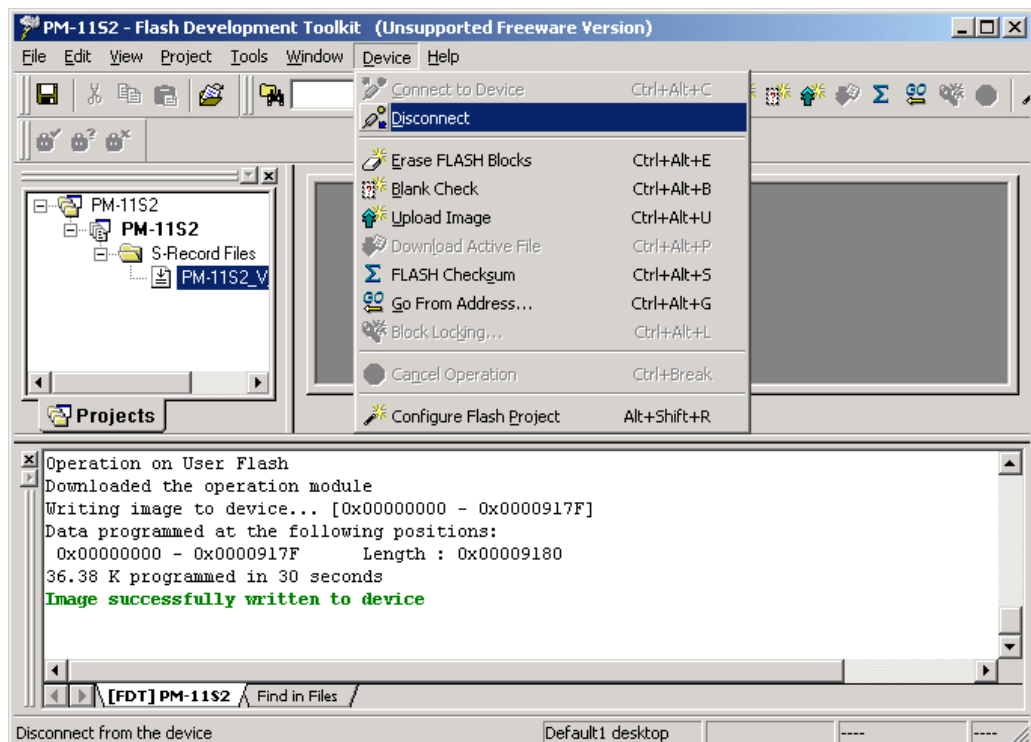
14. Software is written into the microprocessor.  
The writing of software takes about 30 seconds.

14. ソフトウェアがマイコンに書き込まれます。  
書き込みにかかる時間は約30秒です。



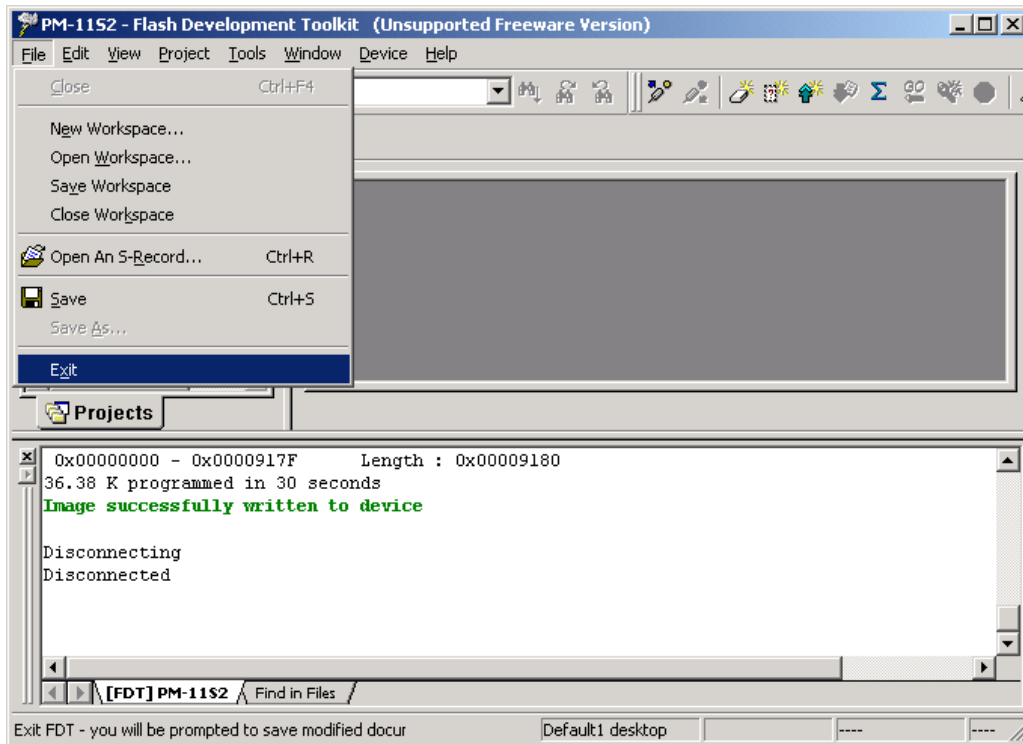
15. Click the **Device** in the menu bar and select the **Disconnect**.

15. **Device**をクリックし、メニューから**Disconnect**をクリックします。



16. Click the **File** and select the **Exit** in menu.

16. **File**をクリックし、メニューから**Exit**をクリックします。



17. Press the **POWER ON/OFF** button for turn off the unit.

17. **POWER ON/OFF**ボタンを押し、本機の電源を切ります。

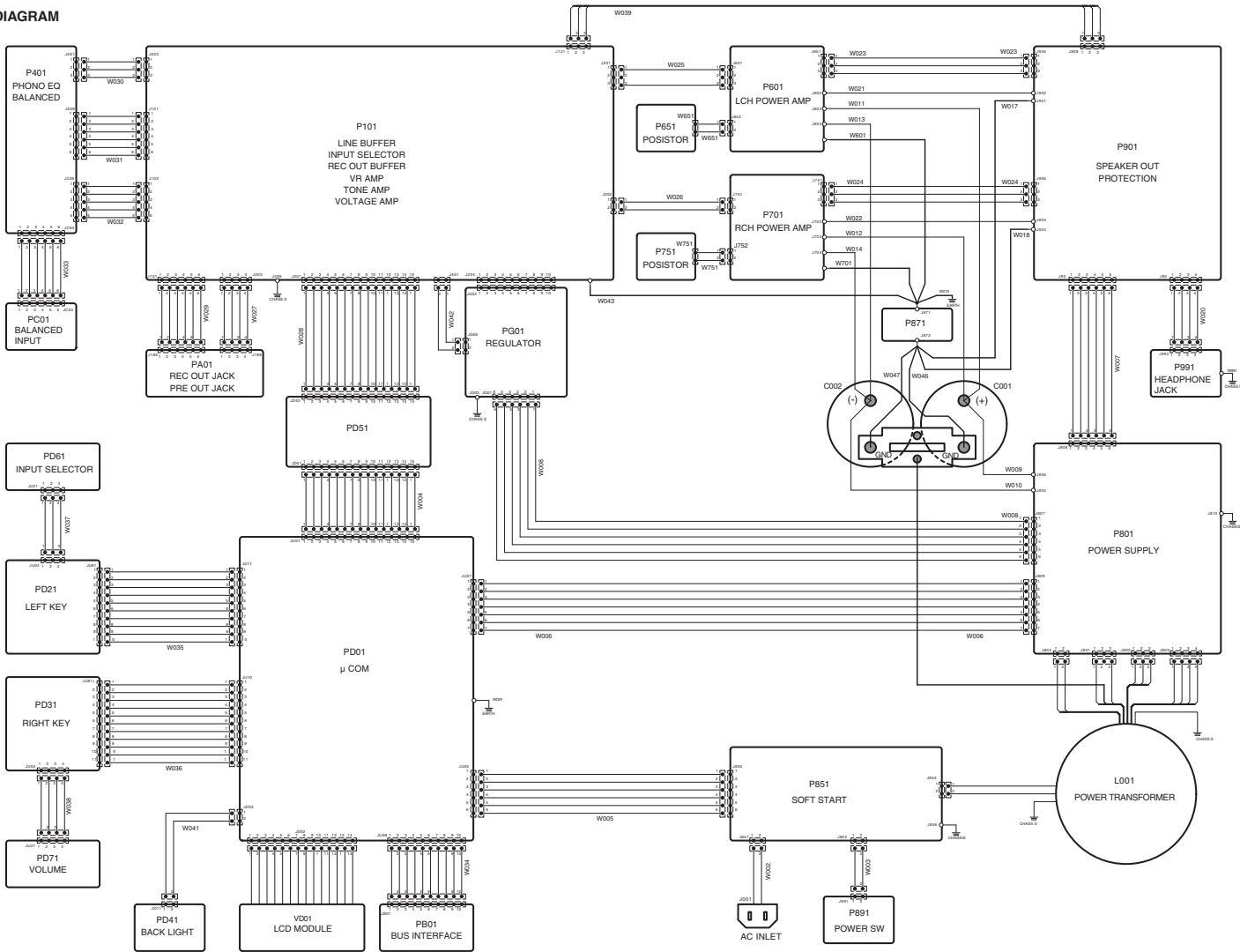
18. Disconnect the mains cord and FFC from the unit.

18.. 本機から電源コードとFFCを外します。

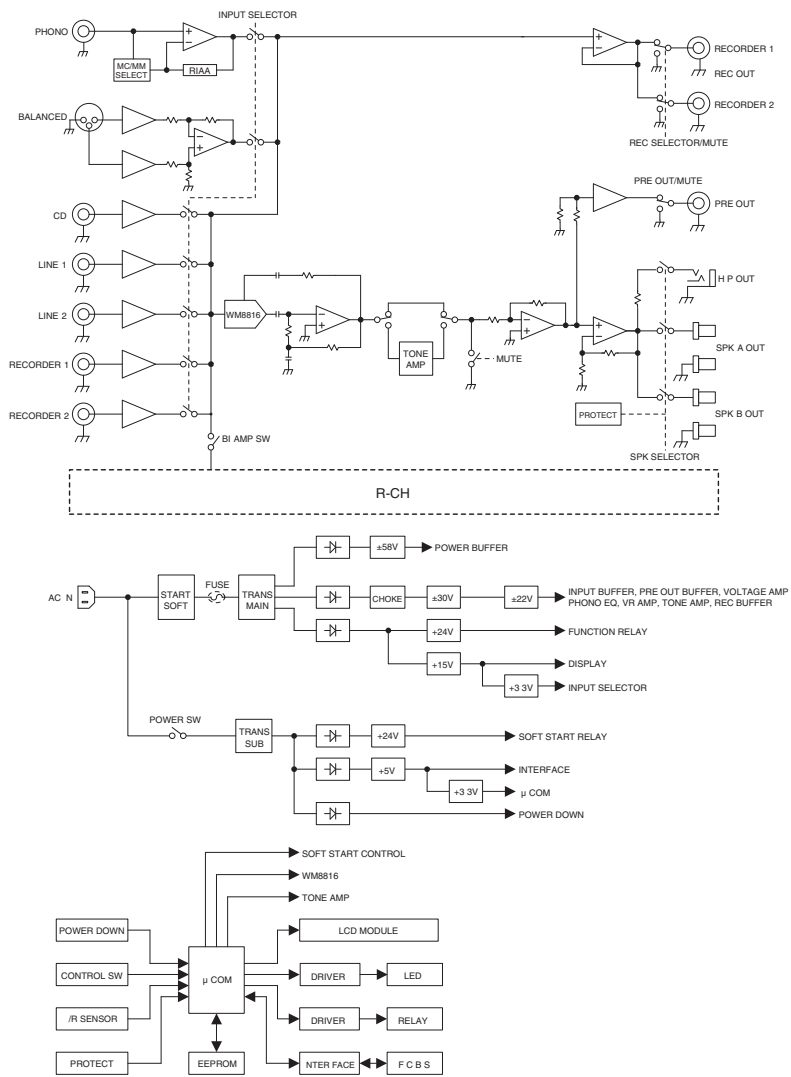
19. Check the version number of the firmware Refer to "4. SERVICE MODE".

19. Versionの確認をします。"4.SERVICE MODE"で確認します。書き込んだバージョンが正しければ書き換え完了です。

7. WIRING DIAGRAM

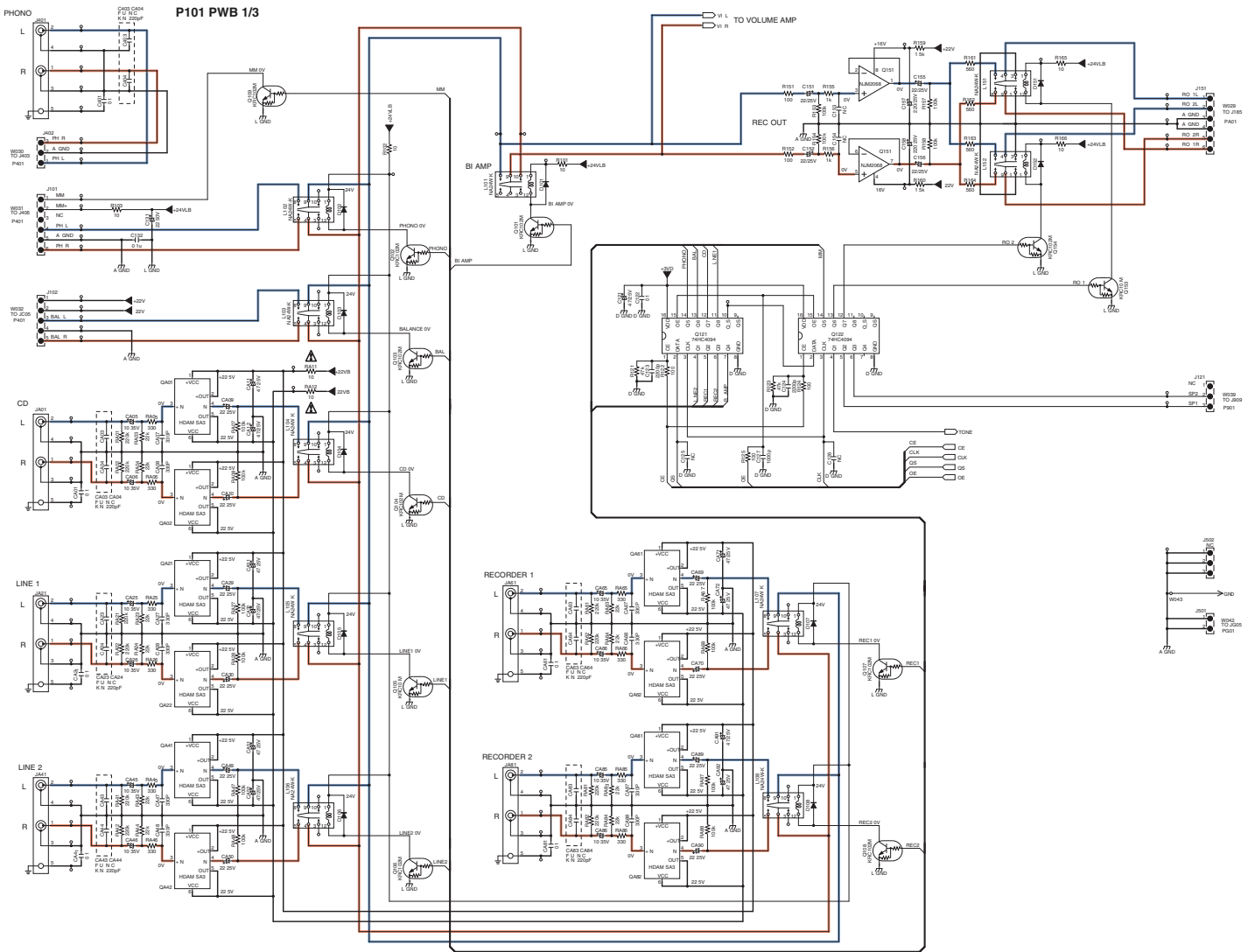


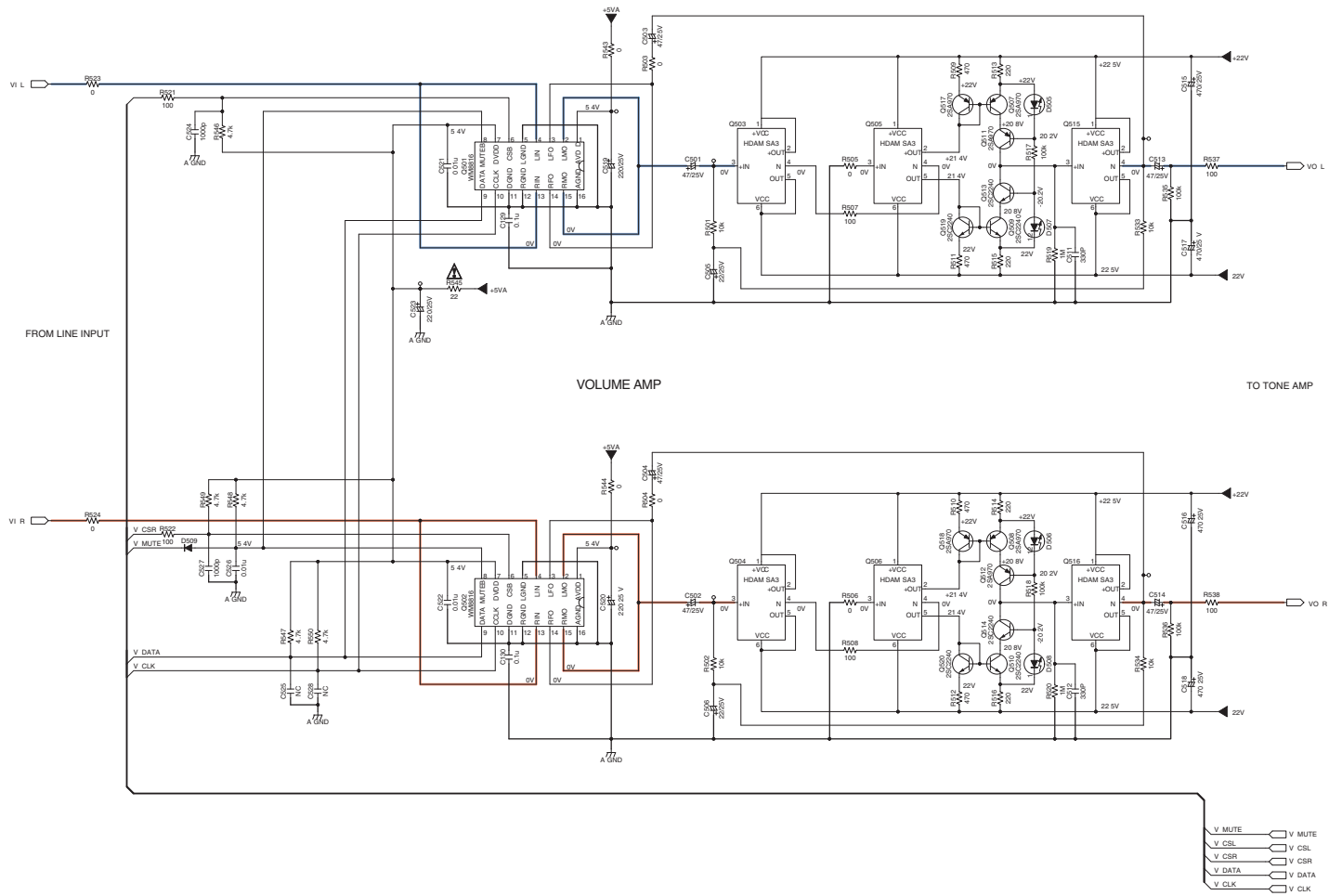
8. BLOCK DIAGRAM

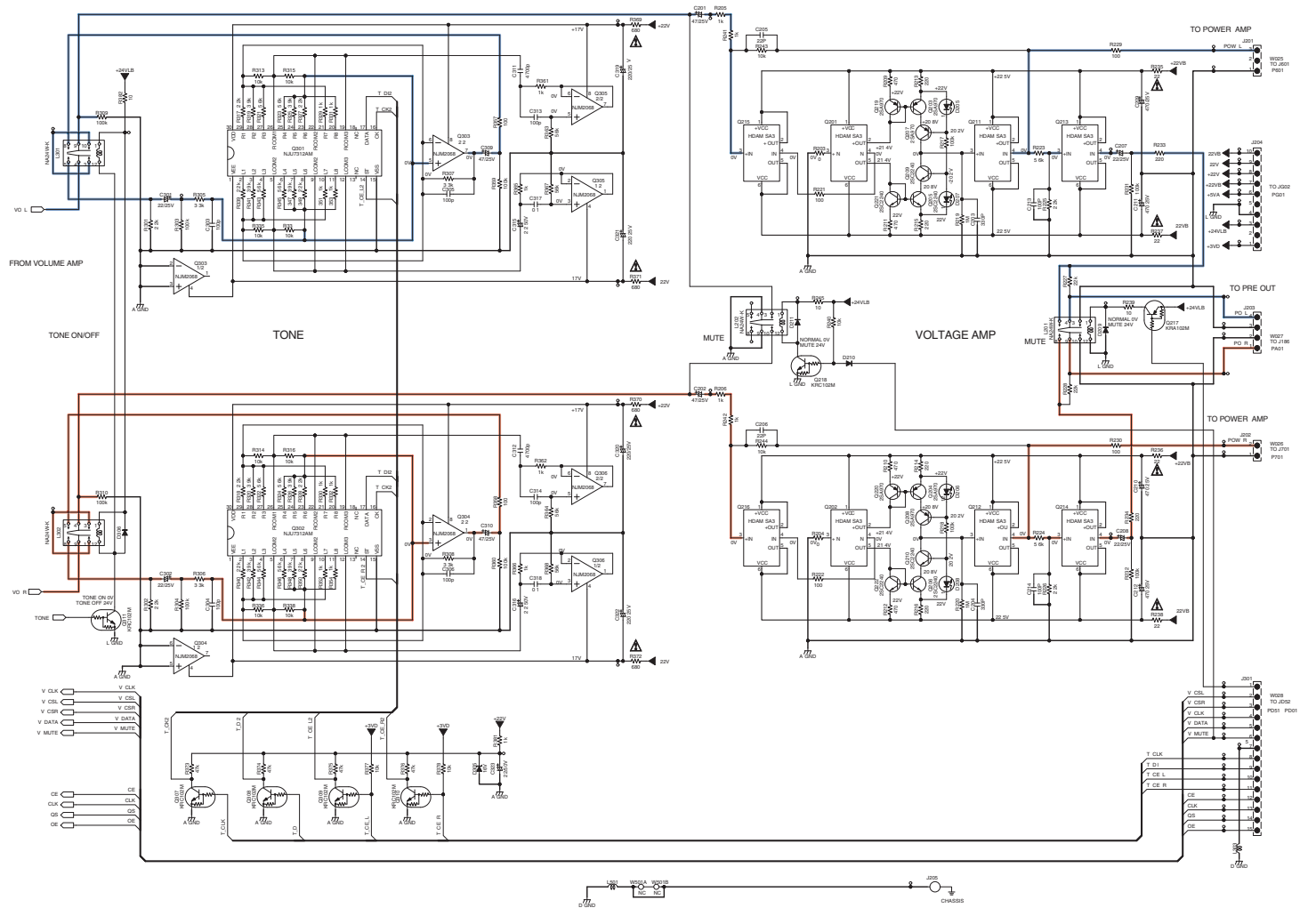


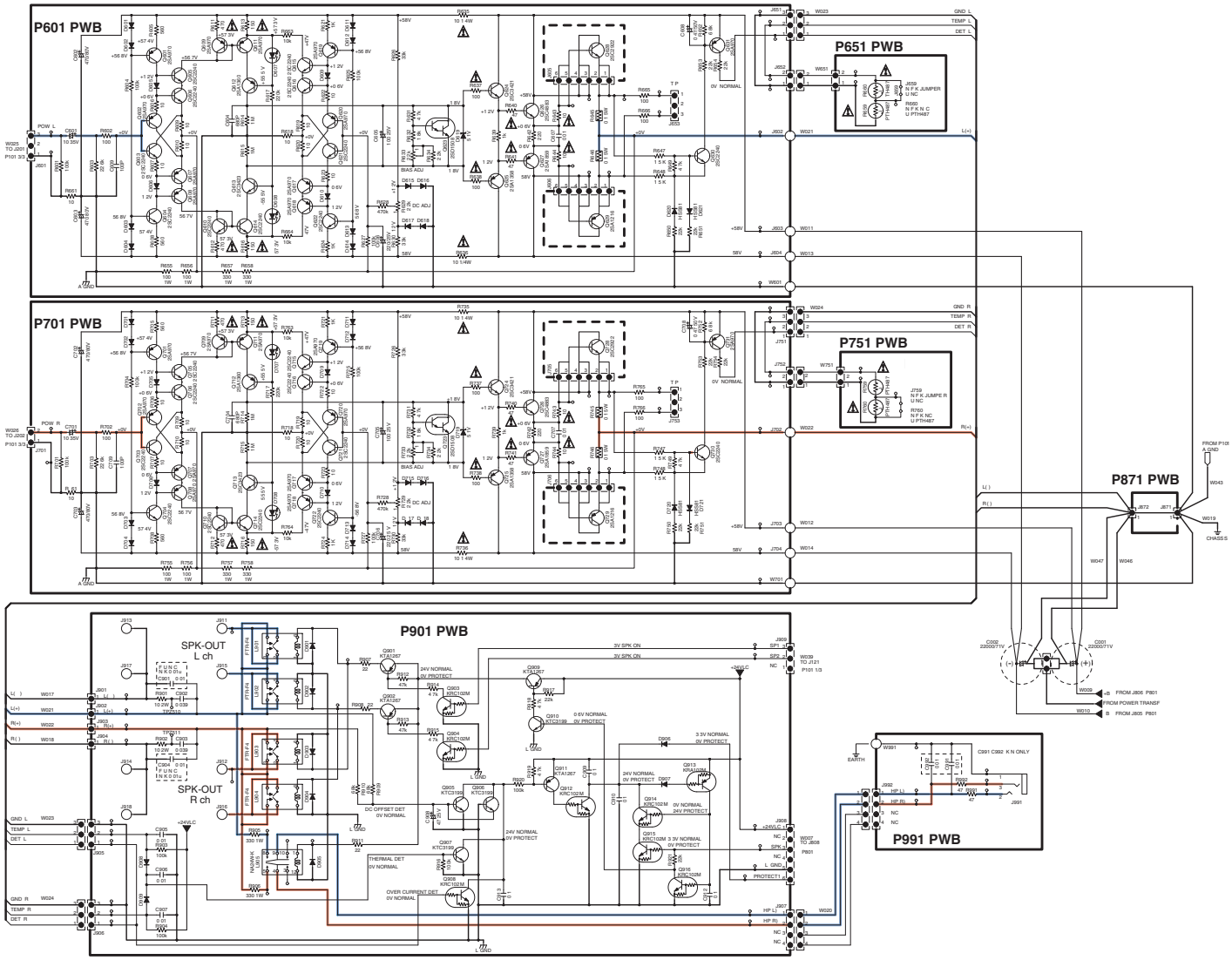




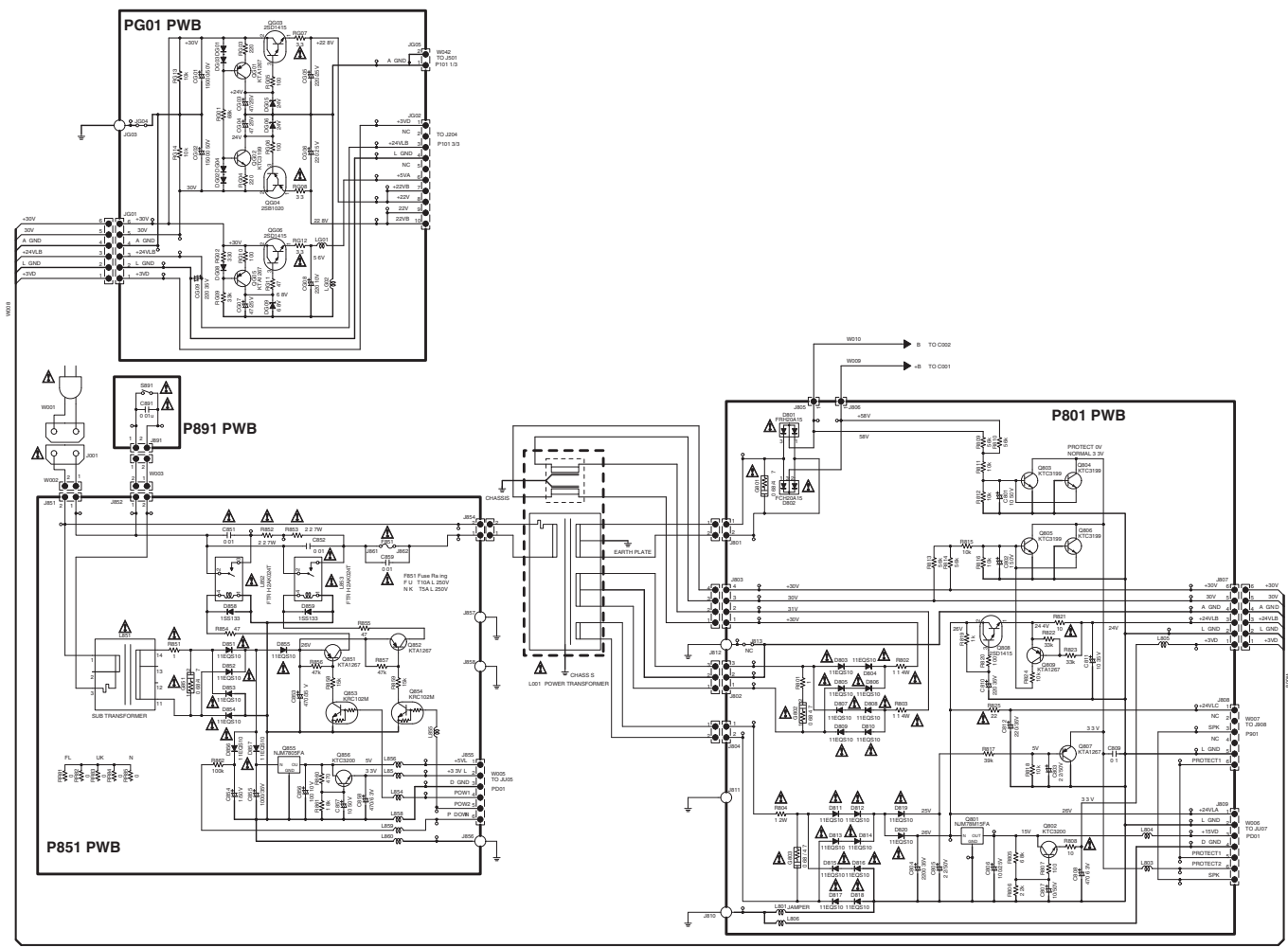


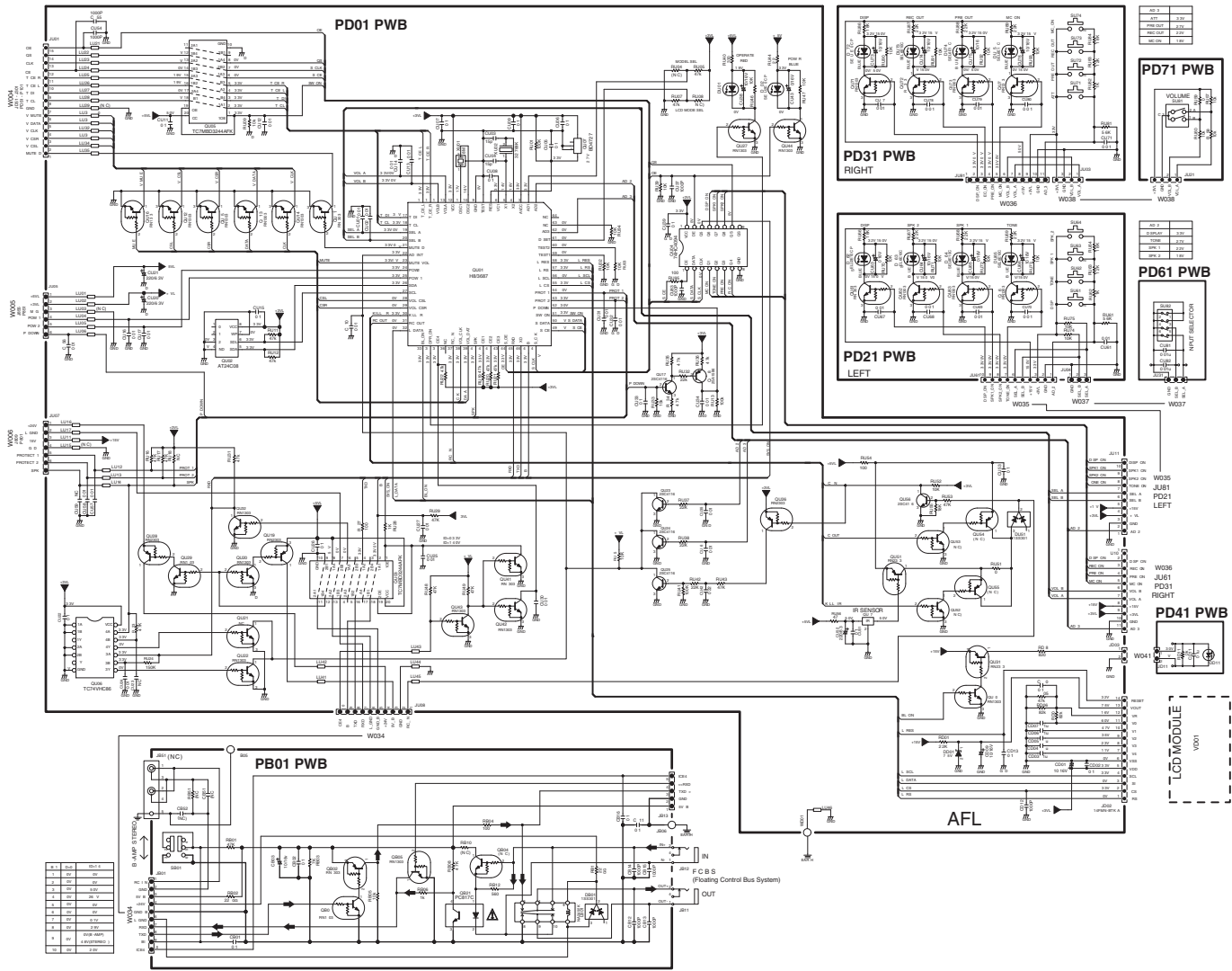






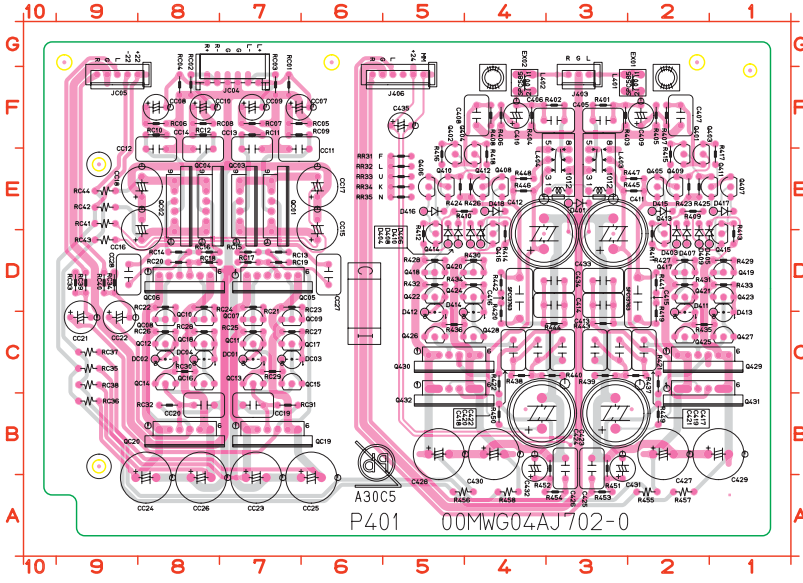
HDMI PWB -4/6



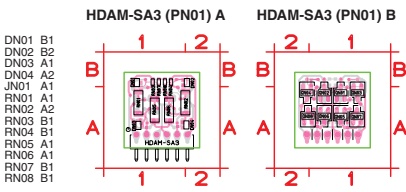


10. PARTS LOCATION

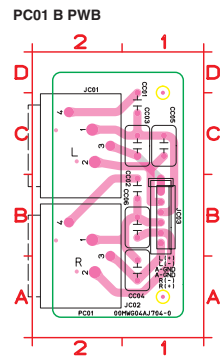
P401 B PWB



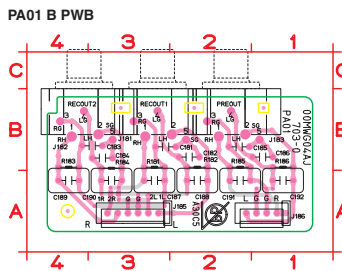
- |         |         |         |         |         |
|---------|---------|---------|---------|---------|
| C405 F3 | CC25 A7 | Q415 D1 | R412 E5 | RC03 F7 |
| C406 F4 | CC26 A8 | Q416 D4 | R413 D1 | RC04 F8 |
| C407 F2 | CC27 D6 | Q417 D2 | R414 D4 | RC05 F6 |
| C408 F4 | CC28 D9 | Q418 D5 | R415 F2 | RC06 F9 |
| C409 F2 | D401 E3 | Q419 D1 | R416 F5 | RC07 F7 |
| C410 F4 | D403 D2 | Q420 D4 | R417 E1 | RC08 F8 |
| C411 D3 | D404 D5 | Q421 D2 | R418 E4 | RC09 F7 |
| C412 D4 | D405 D2 | Q422 D5 | R419 D2 | RC10 F8 |
| C413 D3 | D406 D4 | Q423 D1 | R420 C4 | RC11 F7 |
| C414 D3 | D407 D2 | Q424 D4 | R421 C2 | RC12 F8 |
| C415 C2 | D408 D5 | Q425 C2 | R422 C4 | RC13 D7 |
| C416 C4 | D409 D2 | Q426 C5 | R423 E2 | RC14 D6 |
| C417 C2 | D410 D4 | Q427 C1 | R424 E5 | RC15 D7 |
| C418 C4 | D411 C2 | Q428 C4 | R425 E2 | RC16 D8 |
| C419 C3 | D412 C5 | Q429 C2 | R426 E4 | RC17 D7 |
| C420 C4 | D413 C1 | Q430 C5 | R427 D2 | RC18 D6 |
| C421 C3 | D414 C4 | Q431 C2 | R428 D5 | RC19 D7 |
| C422 C3 | D415 E2 | Q432 C5 | R429 D1 | RC20 D8 |
| C423 B3 | D416 E5 | Q433 C7 | R430 D5 | RC21 D7 |
| C424 B4 | D417 E1 | Q434 C5 | R431 D2 | RC22 D8 |
| C425 B3 | D418 E4 | Q435 C7 | R432 D5 | RC23 D7 |
| C426 A3 | DC01 C7 | Q436 E8 | R433 D1 | RC24 D6 |
| C427 B2 | DC02 C8 | Q437 C5 | R434 D5 | RC25 C7 |
| C428 B5 | DC03 C7 | Q438 C5 | R435 C1 | RC26 C8 |
| C429 B2 | DC04 C8 | Q439 C7 | R436 C5 | RC27 C7 |
| C430 B4 | EX01 F2 | Q440 C8 | R437 C3 | RC28 C8 |
| C431 A3 | EX02 F4 | Q441 C7 | R438 C4 | RC29 C7 |
| C432 A4 | J403 F3 | Q442 C8 | R439 C3 | RC30 C8 |
| C433 D3 | J406 F5 | Q443 C7 | R440 C4 | RC31 B7 |
| C434 D3 | J404 F7 | Q444 C3 | R441 D2 | RC32 B8 |
| C435 F5 | J405 F9 | Q445 C7 | R442 D4 | RC33 D9 |
| CC07 F7 | L401 F2 | Q446 C3 | R443 C3 | RC34 D9 |
| CC08 F8 | L402 F4 | Q447 C7 | R444 C3 | RC35 C9 |
| CC09 F7 | L403 E3 | Q448 C8 | R445 E3 | RC36 B9 |
| CC10 F8 | L404 E3 | Q449 C7 | R446 E4 | RC37 C9 |
| CC11 E7 | Q401 E5 | Q450 C8 | R447 E3 | RC38 C9 |
| CC12 E8 | Q402 E5 | Q451 B7 | R448 E4 | RC39 D9 |
| CC13 E7 | Q403 E2 | Q452 B8 | R449 B2 | RC40 D9 |
| CC14 E8 | Q404 E4 | R401 F3 | R450 B4 | RC41 E9 |
| CC15 D6 | Q405 E2 | R402 F4 | R451 B3 | RC42 E9 |
| CC16 D8 | Q406 E5 | R403 F3 | R452 A3 | RC43 D9 |
| CC17 E6 | Q407 E1 | R404 F4 | R453 A3 | RC44 E9 |
| CC18 E9 | Q408 E4 | R405 F2 | R454 A4 | RR31 E5 |
| CC19 B7 | Q409 E2 | R406 F4 | R455 A2 | RR32 E5 |
| CC20 B8 | Q410 E5 | R407 F2 | R456 A4 | RR33 E5 |
| CC21 C9 | Q411 E1 | R408 F4 | R457 A2 | RR34 E5 |
| CC22 C9 | Q412 E4 | R409 E2 | R458 A4 | RR35 E5 |
| CC23 A7 | Q413 D2 | R410 E4 | RC01 F7 |         |
| CC24 A9 | Q414 D5 | R411 E2 | RC02 F8 |         |



- |         |
|---------|
| QN01 A1 |
| QN02 A1 |
| QN03 A1 |
| QN04 A2 |
| QN05 A1 |
| QN06 A1 |
| QN07 A1 |
| QN08 A2 |



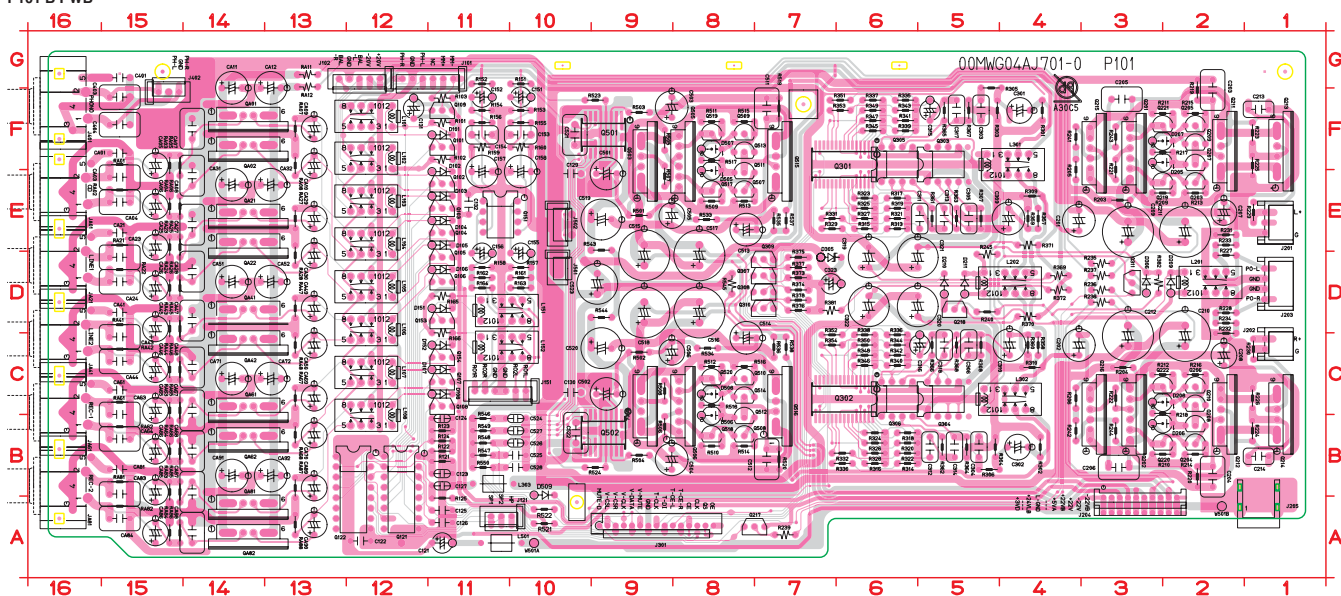
- |         |
|---------|
| CC01 C1 |
| CC02 B1 |
| CC03 C1 |
| CC04 A1 |
| CC05 C1 |
| CC06 B1 |
| JC01 C3 |
| JC02 B3 |
| JC03 B1 |



- |         |
|---------|
| C181 B2 |
| C182 B2 |
| C183 B3 |
| C184 B3 |
| C185 B2 |
| C186 B1 |
| C187 A3 |
| C188 A2 |
| C189 A4 |
| C190 A3 |
| C191 A2 |
| C192 A1 |
| J181 C3 |
| J182 C4 |
| J183 C2 |
| J184 A3 |
| J185 A1 |
| J186 B3 |
| J187 B2 |
| J188 B4 |
| J189 B2 |
| J190 B1 |

**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).

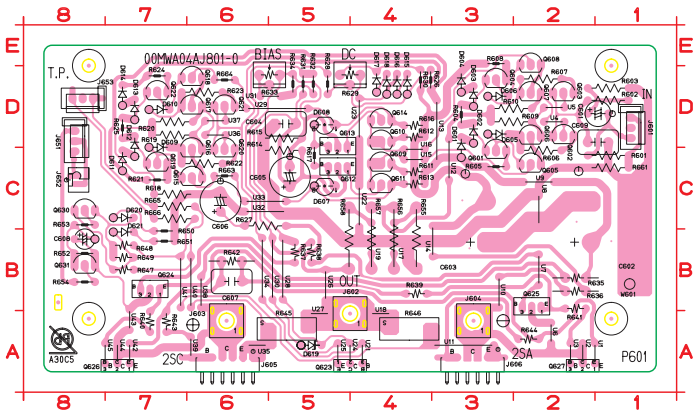




|          |          |          |          |          |          |          |          |         |         |         |          |          |
|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|---------|----------|----------|
| C121 A11 | C306 C5  | C524 B10 | CA61 C15 | D211 D5  | L202 D5  | Q220 B3  | QA42 D14 | R213 E2 | R306 B5 | R348 C6 | R508 C9  | RA08 E13 |
| C122 A12 | C309 E4  | C525 B10 | CA63 C15 | D305 D7  | L301 F5  | Q221 F3  | QA42 C14 | R214 B2 | R307 E5 | R349 F6 | R509 E8  | RA11 G13 |
| C123 B11 | C310 C4  | C526 B10 | CA64 B15 | D306 D3  | L302 C5  | Q222 C3  | QA61 G14 | R215 F2 | R308 C5 | R350 C8 | R510 B8  | RA12 G13 |
| C124 B11 | C311 E5  | C527 B10 | CA65 B15 | D505 E8  | L303 B10 | Q301 F6  | QA62 B14 | R216 C2 | R309 E4 | R351 F6 | R511 F8  | RA21 E15 |
| C125 A11 | C312 B5  | C528 B10 | CA66 B15 | D506 B8  | L501 A10 | Q302 O6  | QA81 A14 | R217 F2 | R310 C4 | R352 C6 | R512 C8  | RA22 D15 |
| C126 A11 | C313 E5  | CA01 F15 | CA67 B14 | D507 F8  | Q101 F11 | Q303 F5  | QA82 A14 | R218 C2 | R313 E6 | R353 F6 | R513 E8  | RA23 D15 |
| C127 B11 | C314 B5  | CA03 E15 | CA68 B14 | D508 C8  | Q102 E11 | Q304 C5  | R101 F11 | R219 F2 | R314 B6 | R354 C6 | R514 B8  | RA24 D15 |
| C128 E10 | C315 F5  | CA04 E15 | CA69 C13 | D509 B10 | Q103 E11 | Q305 F6  | R102 F11 | R220 B2 | R315 E6 | R357 E4 | R515 F8  | RA25 D15 |
| C130 C10 | C316 C5  | CA05 E15 | CA70 B13 | J101 G11 | Q104 E11 | Q306 C6  | R103 F11 | R221 E3 | R316 B6 | R358 C4 | R516 C8  | RA26 D15 |
| C131 F12 | C317 F5  | CA06 E15 | CA71 C14 | J102 G12 | Q105 D11 | Q307 D7  | R121 B11 | R222 C3 | R317 E8 | R359 E4 | R517 F8  | RA27 E13 |
| C132 E11 | C318 C5  | CA07 F14 | CA72 C14 | J121 A10 | Q106 D11 | Q308 D7  | R122 B11 | R223 F1 | R318 B6 | R360 C4 | R518 C8  | RA28 D13 |
| C151 F10 | C319 D6  | CA08 E14 | CA81 B15 | J151 C10 | Q107 C11 | Q309 D7  | R123 B11 | R224 B1 | R319 E6 | R361 E5 | R519 F7  | RA41 D15 |
| C152 F11 | C320 D6  | CA09 F13 | CA83 B15 | J201 E1  | Q108 C11 | Q310 D7  | R124 B11 | R225 E1 | R320 B6 | R362 B5 | R520 B7  | RA42 C15 |
| C153 F10 | C321 D6  | CA10 E13 | CA84 A15 | J202 C1  | Q109 F11 | Q311 D3  | R125 A11 | R226 C1 | R321 E6 | R363 E5 | R521 A10 | RA43 C15 |
| C154 F11 | C322 D6  | CA11 G14 | CA85 A15 | J203 D1  | Q121 B12 | Q501 F9  | R151 G10 | R227 D2 | R322 B6 | R364 B5 | R522 A10 | RA44 C15 |
| C155 D10 | C323 D7  | CA12 G14 | CA86 A15 | J204 A3  | Q122 B12 | Q502 B9  | R152 G11 | R228 D2 | R323 E6 | R365 F5 | R523 F9  | RA45 C15 |
| C156 D11 | C401 G15 | CA21 E15 | CA87 A14 | J205 A1  | Q151 E10 | Q503 F9  | R153 F10 | R229 E1 | R324 B6 | R366 C5 | R524 B9  | RA46 C15 |
| C157 E11 | C403 F15 | CA23 D15 | CA88 A14 | J301 A9  | Q153 D11 | Q504 C9  | R154 F11 | R230 C1 | R325 E6 | R367 F5 | R533 E8  | RA47 D13 |
| C158 E10 | C404 F15 | CA24 D15 | CA89 A13 | J401 F16 | Q154 C11 | Q505 F8  | R155 F10 | R231 E2 | R326 B6 | R368 C5 | R534 C8  | RA48 C13 |
| C201 E4  | C501 E9  | CA25 D15 | CA90 A13 | J402 F15 | Q201 F3  | Q506 C8  | R156 F11 | R232 C2 | R327 E6 | R369 D4 | R535 E7  | RA61 C15 |
| C202 F4  | C502 C9  | CA26 D15 | CA81 B14 | J501 D10 | Q202 C3  | Q507 E8  | R157 D10 | R233 E2 | R328 B6 | R370 D4 | R536 C7  | RA62 B15 |
| C203 F2  | C503 F9  | CA27 E14 | CA92 B14 | J502 E10 | Q203 E2  | Q508 B8  | R158 D11 | R234 D2 | R329 E6 | R371 E4 | R537 E7  | RA63 B15 |
| C204 B2  | C504 B9  | CA28 D14 | D101 F11 | JA01 E16 | Q204 B2  | Q509 F8  | R159 F11 | R235 D3 | R330 B6 | R372 D4 | R538 C7  | RA64 B15 |
| C205 F3  | C505 E9  | CA29 E13 | D102 E11 | JA21 D16 | Q205 F2  | Q510 C8  | R160 F10 | R236 D3 | R331 E6 | R373 D7 | R543 E9  | RA65 B15 |
| C206 B3  | C506 C9  | CA30 D13 | D103 E11 | JA41 C16 | Q206 C2  | Q511 E8  | R161 D10 | R237 D3 | R332 B6 | R374 D7 | R544 D9  | RA66 B15 |
| C207 E2  | C511 F7  | CA31 E14 | D104 E11 | JA61 C16 | Q207 F2  | Q512 B8  | R162 D11 | R238 D3 | R335 F6 | R375 D7 | R545 D8  | RA67 C13 |
| C208 C2  | C512 B7  | CA32 E14 | D105 E11 | JA81 B16 | Q208 B2  | Q513 F8  | R163 D10 | R239 A7 | R336 C6 | R376 D7 | R546 B11 | RA68 B13 |
| C209 E3  | C513 E8  | CA41 D15 | D106 D11 | L101 F12 | Q209 F2  | Q514 C8  | R164 D11 | R240 D5 | R337 F6 | R377 D7 | R547 B11 | RA81 B15 |
| C210 C2  | C514 C8  | CA43 C15 | D107 C11 | L102 F12 | Q210 C2  | Q515 F7  | R165 D11 | R241 F4 | R338 C6 | R378 D7 | R548 B11 | RA82 A15 |
| C211 E2  | C515 D9  | CA44 C15 | D108 C11 | L103 E12 | Q211 F2  | Q516 C7  | R166 D11 | R242 B4 | R339 F6 | R381 D6 | R549 B11 | RA83 A15 |
| C212 C3  | C516 D6  | CA45 C15 | D151 D11 | L104 D12 | Q212 C2  | Q517 E8  | R203 E3  | R243 F3 | R340 C6 | R382 D3 | R550 B11 | RA84 A15 |
| C213 F1  | C517 D8  | CA46 C15 | D152 C11 | L105 D12 | Q213 F1  | Q518 B8  | R204 C3  | R244 B3 | R341 F6 | R501 E9 | RA01 F15 | RA85 A15 |
| C214 B1  | C518 D9  | CA47 D14 | D205 F3  | L106 C12 | Q214 C1  | Q519 F8  | R205 E4  | R245 D5 | R342 C6 | R502 C9 | RA02 E15 | RA86 A15 |
| C301 F4  | C519 E10 | CA48 C14 | D206 B3  | L107 C12 | Q215 C3  | Q520 C8  | R206 C4  | R301 F4 | R343 F6 | R503 F9 | RA03 E15 | RA87 A13 |
| C302 B4  | C520 C10 | CA49 D13 | D207 F3  | L108 B12 | Q216 C3  | QA01 F14 | R209 E2  | R302 B4 | R344 C6 | R504 B9 | RA04 E15 | RA88 A13 |
| C303 F5  | C521 F10 | CA50 C13 | D208 C3  | L151 D11 | Q217 A8  | QA02 F14 | R210 B2  | R303 F5 | R345 F6 | R505 F9 | RA05 E15 | WS01 A10 |
| C304 B5  | C522 B10 | CA51 D14 | D209 C2  | L152 C11 | Q218 D5  | QA21 E14 | R211 F2  | R304 B5 | R346 C6 | R506 B9 | RA06 E15 | WS01 A2  |
| C305 E5  | C523 D9  | CA52 D14 | D210 D5  | L201 D2  | Q219 E3  | QA22 E14 | R212 C2  | R305 G4 | R347 F6 | R507 E9 | RA07 F13 |          |

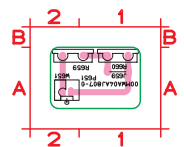
**鉛フリー半田**  
半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。  
**Lead-free Solder**  
When soldering, use the Lead-free Solder (Sn-Ag-Cu).

P601 B PWB



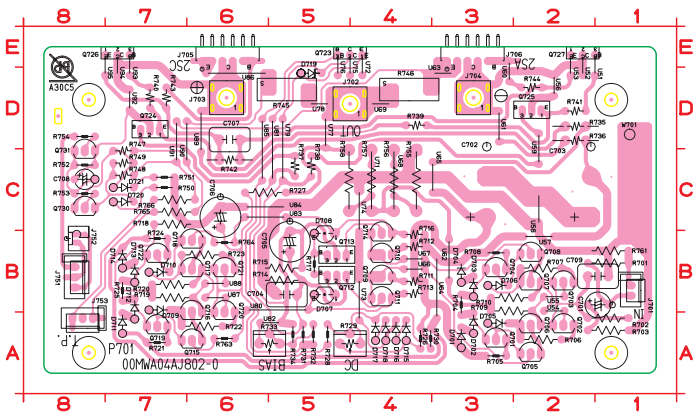
|         |         |         |         |        |         |
|---------|---------|---------|---------|--------|---------|
| C601 D2 | J604 A3 | Q630 C8 | R632 D5 | U10 B3 | U41 B7  |
| C602 B2 | J605 A6 | Q631 B8 | R633 D5 | U11 A3 | U42 A7  |
| C603 B3 | J606 A3 | R601 C2 | R634 D5 | U12 C3 | U43 A7  |
| C604 D5 | J651 D8 | R602 D2 | R635 B2 | U13 C3 | U44 A7  |
| C605 C5 | J652 C8 | R603 D2 | R636 B2 | U14 B3 | U45 A8  |
| C606 C6 | J653 D8 | R604 D3 | R637 B5 | U15 C4 | U5 D2   |
| C607 B6 | C601 C3 | R605 C3 | R638 B5 | U16 C4 | U6 A2   |
| C608 B8 | C602 D2 | R606 C2 | R639 B4 | U17 B4 | U7 B2   |
| C609 D1 | C603 D2 | R607 D2 | R640 A7 | U18 A4 | U8 C2   |
| D601 C3 | C604 D3 | R608 E3 | R641 B2 | U19 B4 | U9 C2   |
| D602 D3 | C605 C2 | R609 D2 | R642 B6 | U2 A2  | W601 B1 |
| D603 D3 | C606 D2 | R610 D3 | R643 A7 | U21 A4 |         |
| D604 D3 | C607 D2 | R611 C4 | R644 A2 | U22 C4 |         |
| D605 D3 | C608 E2 | R612 D4 | R645 A6 | U23 D4 |         |
| D606 D3 | C609 C4 | R613 C4 | R646 A4 | U24 A5 |         |
| D607 C5 | C610 D4 | R614 C5 | R647 B7 | U25 A5 |         |
| D608 D5 | C611 C4 | R615 D6 | R648 B7 | U26 B5 |         |
| D609 D7 | C612 C5 | R616 D4 | R649 B7 | U27 A5 |         |
| D610 D7 | C613 D5 | R617 C5 | R650 B7 | U28 B5 |         |
| D611 C7 | C614 D4 | R618 C6 | R651 B7 | U29 D5 |         |
| D612 C7 | C615 C6 | R619 D6 | R652 B8 | U3 A2  |         |
| D613 D7 | C616 C6 | R620 D7 | R653 C8 | U30 B5 |         |
| D614 D7 | C617 D6 | R621 C7 | R654 B8 | U31 D5 |         |
| D615 D4 | C618 D6 | R622 C7 | R655 B4 | U32 C5 |         |
| D616 D4 | C619 C7 | R623 D6 | R656 B4 | U33 C5 |         |
| D617 D4 | C620 C6 | R624 D7 | R657 C4 | U34 B6 |         |
| D618 D4 | C621 D6 | R625 D7 | R658 C5 | U35 A6 |         |
| D619 A5 | C622 D7 | R626 D4 | R661 C1 | U36 D6 |         |
| D620 C7 | C623 A5 | R627 C6 | R662 C6 | U37 D6 |         |
| D621 B7 | C624 B7 | R628 D5 | R664 D6 | U38 B6 |         |
| J601 D1 | C625 B2 | R629 D5 | R665 C6 | U39 A6 |         |
| J602 A5 | C626 A7 | R630 D4 | R666 C6 | U4 D2  |         |
| J603 A6 | C627 A2 | R631 D5 | U1 A2   | U40 B2 |         |

P651 B PWB



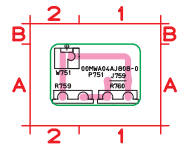
|         |
|---------|
| J659 A1 |
| R659 A2 |
| R660 A1 |
| W651 A2 |

P701 B PWB



|         |         |         |         |        |         |
|---------|---------|---------|---------|--------|---------|
| C701 B2 | J704 D3 | Q730 C8 | R732 A5 | U52 D2 | U86 D6  |
| C702 C3 | J705 E6 | Q731 C8 | R733 A5 | U53 D2 | U87 B6  |
| C703 C2 | J706 E3 | R701 B2 | R734 A5 | U54 B2 | U88 B6  |
| C704 B5 | J751 B8 | R702 A2 | R735 D2 | U55 B2 | U89 C6  |
| C705 B5 | J752 B8 | R703 A2 | R736 D2 | U56 D2 | U90 C7  |
| C706 C6 | J753 A8 | R704 A3 | R737 C5 | U57 B2 | U91 C7  |
| C707 D6 | C701 A3 | R705 A3 | R738 C5 | U58 C2 | U92 D7  |
| C708 C8 | C702 A2 | R706 A2 | R739 D4 | U59 C2 | U93 D7  |
| C709 B1 | C703 B2 | R707 B2 | R740 D7 | U60 D3 | U94 D7  |
| D701 A3 | C704 B3 | R708 B3 | R741 D2 | U61 D3 | U95 D8  |
| D702 A3 | C705 A2 | R709 B2 | R742 C6 | U62 B3 | W701 D1 |
| D703 B3 | C706 A2 | R710 B3 | R743 D7 | U63 D3 |         |
| D704 B3 | C707 B2 | R711 B4 | R744 D2 | U64 A3 |         |
| D705 A3 | C708 B2 | R712 B4 | R745 D6 | U65 C3 |         |
| D706 B3 | C709 B4 | R713 B4 | R746 D4 | U66 B4 |         |
| D707 B5 | C710 B4 | R714 B5 | R747 C7 | U67 B4 |         |
| D708 B5 | C711 B4 | R715 B6 | R748 C7 | U68 C4 |         |
| D709 B7 | C712 B5 | R716 B4 | R749 C7 | U69 D4 |         |
| D710 B7 | C713 B5 | R717 B5 | R750 C7 | U71 C4 |         |
| D711 A7 | C714 B4 | R718 C6 | R751 C7 | U72 D4 |         |
| D712 A7 | C715 A6 | R719 B6 | R752 C8 | U73 A4 |         |
| D713 B7 | C716 B6 | R720 B7 | R753 C8 | U74 B4 |         |
| D714 B7 | C717 B6 | R721 A7 | R754 D8 | U75 D5 |         |
| D715 A4 | C718 B6 | R722 A7 | R755 C4 | U76 D5 |         |
| D716 A4 | C719 A7 | R723 B6 | R756 C4 | U77 D5 |         |
| D717 A4 | C720 B6 | R724 B7 | R757 C4 | U78 D5 |         |
| D718 A4 | C721 B6 | R725 B7 | R758 C5 | U79 C5 |         |
| D719 D5 | C722 B7 | R726 A4 | R761 B1 | U80 B5 |         |
| D720 C7 | C723 E4 | R727 C6 | R763 A6 | U81 C5 |         |
| D721 C7 | C724 D7 | R728 A5 | R764 B6 | U82 A5 |         |
| J701 B1 | C725 D2 | R729 A5 | R765 C6 | U83 C5 |         |
| J702 D5 | C726 E5 | R730 A4 | R766 C6 | U84 C5 |         |
| J703 D6 | C727 E2 | R731 A5 | U51 D2  | U85 C6 |         |

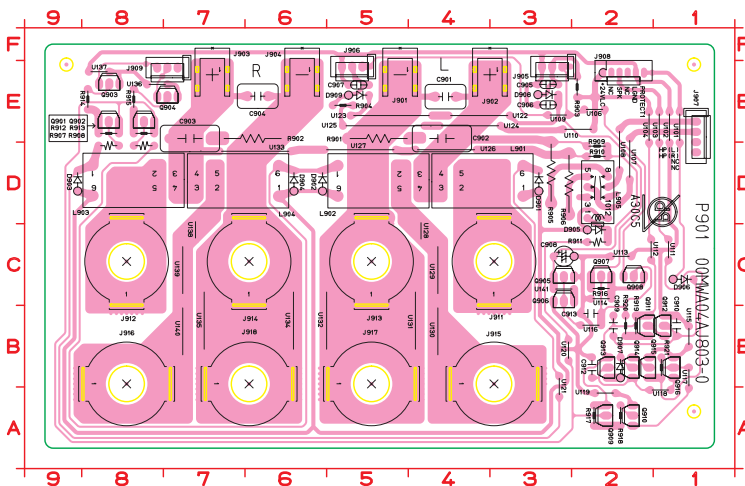
P751 B PWB



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| J759 A1 |
| R759 A2 |
| R760 A1 |
| W751 A2 |

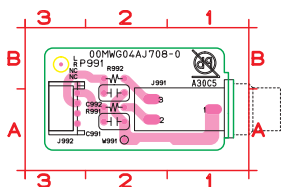
**鉛フリー半田**  
半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。  
**Lead-free Solder**  
When soldering, use the Lead-free Solder (Sn-Ag-Cu).

P901 B PWB



- |         |         |         |         |
|---------|---------|---------|---------|
| C901 E4 | J918 B6 | R916 C2 | U133 D6 |
| C902 E4 | L901 D3 | R917 A2 | U134 B6 |
| C903 E7 | L902 D5 | R918 A2 | U135 B7 |
| C904 E6 | L903 D8 | R919 B2 | U136 E7 |
| C905 E3 | L904 D6 | R920 B2 | U137 E8 |
| C906 E3 | L905 D2 | R921 B1 | U138 C7 |
| C907 E5 | Q901 E5 | U101 D1 | U139 C7 |
| C908 C3 | Q902 E8 | U102 D1 | U140 B7 |
| C909 B2 | Q903 E8 | U103 D1 | U141 C2 |
| C910 B1 | Q904 E7 | U104 D2 |         |
| C912 B2 | Q905 C3 | U106 E2 |         |
| C913 B2 | Q906 C3 | U107 D2 |         |
| D901 D3 | Q907 C2 | U108 D2 |         |
| D902 D6 | Q908 C2 | U109 E3 |         |
| D903 D8 | Q909 A2 | U110 E2 |         |
| D904 D6 | Q910 A2 | U111 C1 |         |
| D905 C2 | Q911 B2 | U112 C2 |         |
| D906 C1 | Q912 B1 | U113 C2 |         |
| D907 B2 | Q913 B2 | U114 C2 |         |
| D908 E3 | Q914 B2 | U115 B1 |         |
| D909 E5 | Q915 B2 | U116 B2 |         |
| J901 F5 | Q916 B1 | U117 A1 |         |
| J902 F4 | R901 E5 | U118 A1 |         |
| J903 F7 | R902 E6 | U119 A2 |         |
| J904 F6 | R903 E2 | U120 B3 |         |
| J905 E3 | R904 E5 | U121 A3 |         |
| J906 E5 | R905 E3 | U122 E3 |         |
| J907 E1 | R906 D3 | U123 E4 |         |
| J908 E2 | R907 D8 | U124 E3 |         |
| J909 E7 | R908 D8 | U125 E4 |         |
| J911 C3 | R909 D2 | U126 D4 |         |
| J912 C8 | R910 D2 | U127 D5 |         |
| J913 C5 | R911 C2 | U128 C4 |         |
| J914 C6 | R912 E8 | U129 C4 |         |
| J915 B3 | R913 E8 | U130 B4 |         |
| J916 B8 | R914 E8 | U131 B4 |         |
| J917 B5 | R915 E8 | U132 B6 |         |

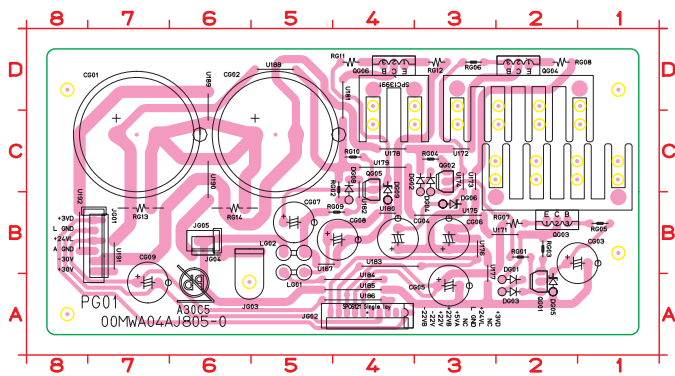
P991 B PWB



- |         |
|---------|
| C991 A2 |
| C992 A2 |
| J991 A1 |
| J992 A3 |
| R991 A2 |
| R992 B2 |
| W991 A2 |

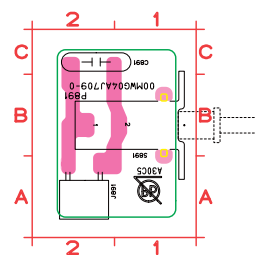
**鉛フリー半田**  
半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。  
**Lead-free Solder**  
When soldering, use the Lead-free Solder (Sn-Ag-Cu).

PG01 B PWB



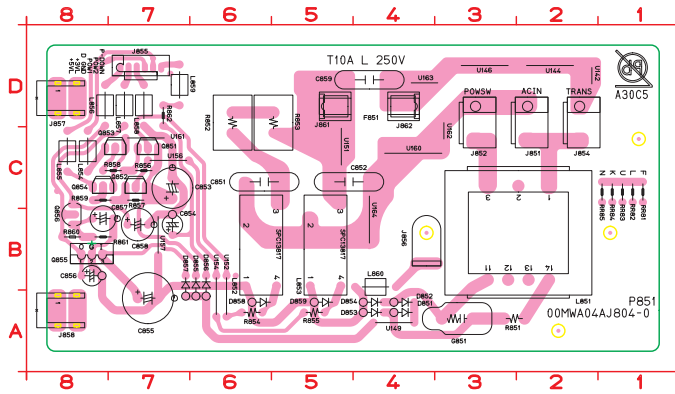
|         |         |         |
|---------|---------|---------|
| CG01 C7 | QG03 B2 | U179 C4 |
| CG02 C5 | QG04 D2 | U180 B4 |
| CG03 B2 | QG05 C4 | U181 C4 |
| CG04 B4 | QG06 D4 | U182 B4 |
| CG05 A3 | RG01 B2 | U183 B3 |
| CG06 B3 | RG02 B4 | U184 A4 |
| CG07 B5 | RG03 B2 | U185 A4 |
| CG08 B5 | RG04 C3 | U186 A4 |
| CG09 A7 | RG05 B1 | U187 B4 |
| DG01 A2 | RG06 D3 | U188 D5 |
| DG02 C3 | RG07 B2 | U189 C5 |
| DG03 A2 | RG08 D2 | U190 B6 |
| DG04 C3 | RG09 B5 | U191 B7 |
| DG05 A2 | RG10 C4 | U192 B8 |
| DG06 B3 | RG11 D4 |         |
| DG08 B4 | RG12 D3 |         |
| DG09 B4 | RG13 B7 |         |
| JG01 B7 | RG14 B6 |         |
| JG02 A4 | U171 B2 |         |
| JG03 A6 | U172 C3 |         |
| JG04 B6 | U173 C3 |         |
| JG05 B6 | U174 C3 |         |
| LG01 B5 | U175 B3 |         |
| LG02 B5 | U176 B3 |         |
| QG01 A2 | U177 A3 |         |
| QG02 C3 | U178 C4 |         |

P891 B PWB



|         |
|---------|
| C891 C1 |
| J891 A2 |
| S891 B1 |

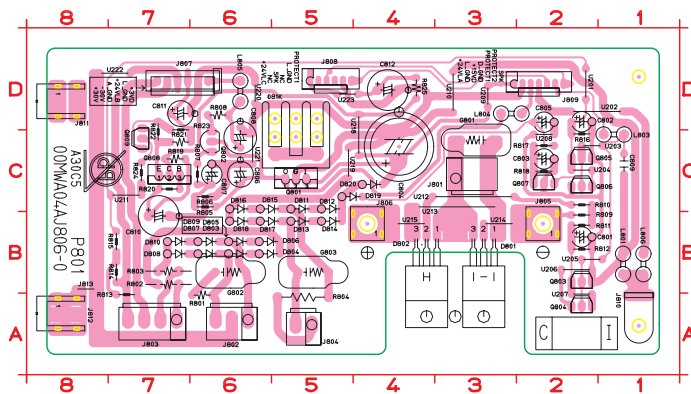
P851 B WB



|         |         |         |
|---------|---------|---------|
| C851 C6 | J861 D5 | R859 C8 |
| C852 C4 | J862 D4 | R860 B8 |
| C853 C7 | L851 B2 | R861 B7 |
| C854 B7 | L852 B6 | R862 D7 |
| C855 A7 | L853 B5 | RR81 C1 |
| C856 B8 | L854 C8 | RR82 C1 |
| C857 B8 | L855 C8 | RR83 C1 |
| C858 B7 | L856 D8 | RR84 C1 |
| C859 D5 | L857 D7 | RR85 C1 |
| D851 A4 | L858 D7 | U142 D2 |
| D852 A4 | L859 D7 | U144 D2 |
| D853 A4 | L860 B4 | U146 D3 |
| D854 A4 | Q851 C7 | U149 A4 |
| D855 A6 | Q852 C7 | U151 C5 |
| D856 A6 | Q853 C7 | U152 A6 |
| D857 A7 | Q854 C8 | U154 A6 |
| D858 A6 | Q855 B8 | U156 C7 |
| D859 A5 | Q856 B8 | U157 B7 |
| G851 A3 | R851 A2 | U160 C3 |
| J851 D2 | R852 C6 | U161 C7 |
| J852 D3 | R853 D5 | U162 C3 |
| J854 D2 | R854 A6 | U163 D3 |
| J855 D7 | R855 A5 | U164 B4 |
| J856 B4 | R856 C7 |         |
| J857 D8 | R857 C7 |         |
| J858 A6 | R858 C8 |         |

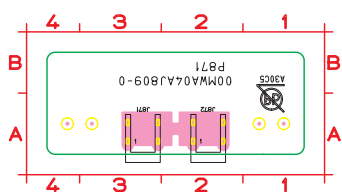
**鉛フリー半田**  
 半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。  
**Lead-free Solder**  
 When soldering, use the Lead-free Solder (Sn-Ag-Cu).

P801 B PWB



|      |    |      |    |      |    |      |    |
|------|----|------|----|------|----|------|----|
| C801 | B2 | G802 | B6 | R805 | C6 | U213 | C3 |
| C802 | D2 | G803 | B5 | R806 | C6 | U214 | B3 |
| C803 | C2 | J801 | C3 | R807 | C6 | U215 | B4 |
| C804 | C4 | J802 | A6 | R808 | D6 | U218 | C4 |
| C805 | D2 | J803 | A7 | R809 | B2 | U219 | C5 |
| C806 | C6 | J804 | A5 | R810 | C2 | U220 | D6 |
| C807 | C6 | J805 | B2 | R811 | B2 | U221 | C6 |
| C808 | C6 | J806 | B4 | R812 | B2 | U222 | D7 |
| C809 | C1 | J807 | D6 | R813 | A7 | U223 | D4 |
| C810 | B7 | J808 | D5 | R814 | B7 |      |    |
| C811 | D7 | J809 | D3 | R815 | B7 |      |    |
| C812 | D4 | J810 | A1 | R816 | C2 |      |    |
| D801 | B3 | J811 | D8 | R817 | C2 |      |    |
| D802 | B4 | J812 | A6 | R818 | C2 |      |    |
| D803 | B6 | J813 | B8 | R819 | C7 |      |    |
| D804 | B6 | L801 | B1 | R820 | C7 |      |    |
| D805 | B6 | L803 | C1 | R821 | C7 |      |    |
| D806 | B6 | L804 | D3 | R822 | C7 |      |    |
| D807 | B6 | L805 | D6 | R823 | D7 |      |    |
| D808 | B7 | L806 | B1 | R824 | C7 |      |    |
| D809 | B6 | Q801 | C5 | R825 | D4 |      |    |
| D810 | B7 | Q802 | C6 | U201 | D2 |      |    |
| D811 | C5 | Q803 | B2 | U202 | D1 |      |    |
| D812 | C5 | Q804 | A2 | U203 | C1 |      |    |
| D813 | B5 | Q805 | C2 | U204 | C2 |      |    |
| D814 | B5 | Q806 | C2 | U205 | B1 |      |    |
| D815 | C6 | Q807 | C2 | U206 | B2 |      |    |
| D816 | C6 | Q808 | C7 | U207 | A2 |      |    |
| D817 | B6 | Q809 | C7 | U208 | C2 |      |    |
| D818 | B6 | R801 | A6 | U209 | D3 |      |    |
| D819 | C5 | R802 | B7 | U210 | D3 |      |    |
| D820 | C4 | R803 | B7 | U211 | C7 |      |    |
| G801 | C3 | R804 | A5 | U212 | C3 |      |    |

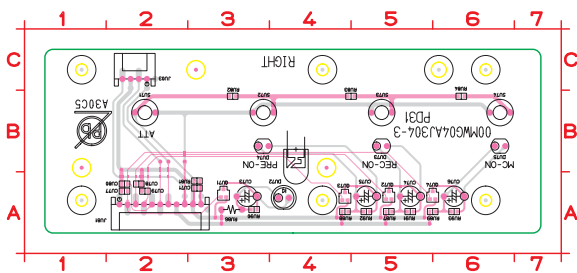
P871 B PWB



J871 A3  
J872 A2

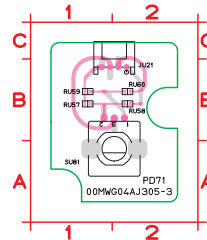
**鉛フリー半田**  
半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。  
**Lead-free Solder**  
When soldering, use the Lead-free Solder (Sn-Ag-Cu).

PD31 A PWB



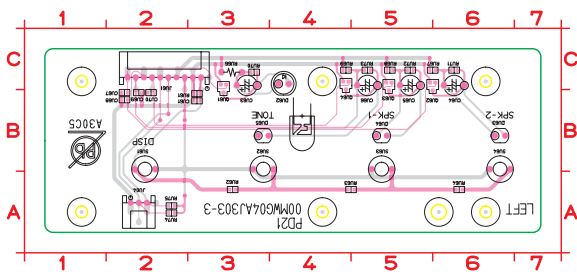
- |         |         |
|---------|---------|
| CU71 A3 | RU83 B5 |
| CU73 A3 | RU84 B6 |
| CU74 A5 | RU86 A3 |
| CU75 A5 | RU87 A5 |
| CU76 A6 | RU88 A4 |
| CU77 A2 | RU89 A6 |
| CU78 A2 | RU90 A3 |
| CU79 A2 | RU91 A5 |
| CU80 A2 | RU92 A5 |
| DU72 A4 | RU93 A6 |
| DU73 B5 | SU71 B2 |
| DU74 B3 | SU72 B3 |
| DU75 B6 | SU73 B5 |
| JU03 C2 | SU74 B6 |
| JU81 A2 |         |
| QU71 A3 |         |
| QU72 A5 |         |
| QU73 A4 |         |
| QU74 A6 |         |
| RU81 A3 |         |
| RU82 B3 |         |

PD71 A PWB



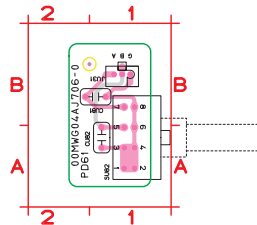
- |         |
|---------|
| JU21 B2 |
| RU57 B1 |
| RU58 B2 |
| RU59 B1 |
| RU60 B2 |
| SU81 A2 |

PD21 A PWB



- |         |         |
|---------|---------|
| CU61 B3 | RU63 A5 |
| CU63 C3 | RU64 A6 |
| CU64 C6 | RU66 C3 |
| CU65 C5 | RU67 C6 |
| CU66 C5 | RU68 C5 |
| CU67 B2 | RU69 C4 |
| CU68 B2 | RU70 C3 |
| CU69 B2 | RU71 C6 |
| CU70 B2 | RU72 C5 |
| DU62 C4 | RU73 C5 |
| DU63 B6 | RU74 A2 |
| DU64 B5 | RU75 A2 |
| DU65 B3 | SU61 B2 |
| JU04 A2 | SU62 B3 |
| JU91 C3 | SU63 B5 |
| QU61 C3 | SU64 B6 |
| QU62 C6 |         |
| QU63 C5 |         |
| QU64 C4 |         |
| RU61 B3 |         |
| RU62 A3 |         |

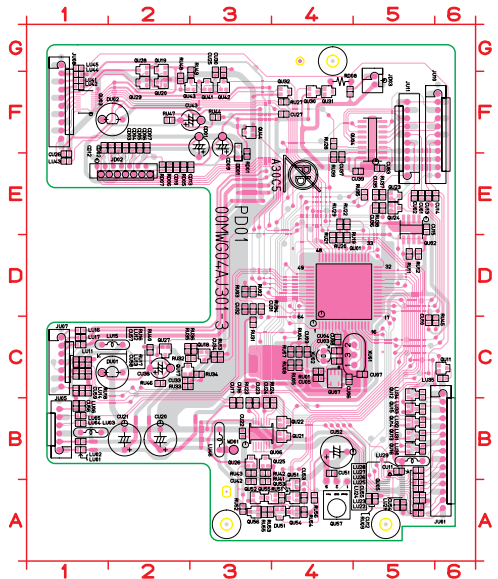
PD61 B PWB



- |         |
|---------|
| CU81 B1 |
| CU82 A1 |
| JU31 B1 |
| SU82 A1 |

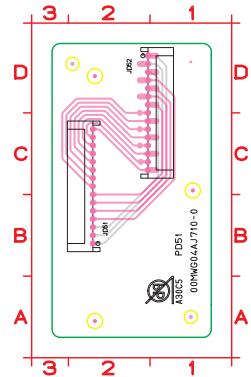
**鉛フリー半田**  
半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。  
**Lead-free Solder**  
When soldering, use the Lead-free Solder (Sn-Ag-Cu).

PD01 A PWB



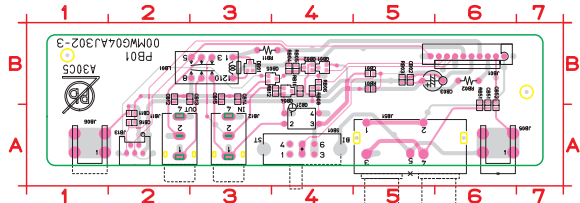
- |         |         |         |         |         |
|---------|---------|---------|---------|---------|
| CD01 E3 | CU52 B4 | LU41 F1 | RD07 E2 | RU56 A4 |
| CD02 F2 | CU53 A4 | LU42 F1 | RD08 F4 | RU94 D3 |
| CD03 F2 | CU54 A5 | LU43 E1 | RU01 C4 | RU95 E5 |
| CD04 F2 | CU55 A5 | LU44 F1 | RU02 D3 | WD01 B3 |
| CD05 F2 | CU56 B1 | LU45 G1 | RU03 D3 | XU01 C5 |
| CD06 F2 | CU57 C1 | LU46 B3 | RU04 C4 | XU02 C4 |
| CD07 F2 | CU58 C1 | QU01 D4 | RU05 C4 |         |
| CD09 E3 | CU59 C1 | QU02 E5 | RU07 C4 |         |
| CD10 E2 | CU83 E5 | QU03 F1 | RU08 C4 |         |
| CD12 F1 | DD01 F3 | QU04 F5 | RU09 A5 |         |
| CD13 E3 | DU01 C2 | QU05 A5 | RU11 D5 |         |
| CU01 E5 | DU02 F2 | QU06 B3 | RU12 D5 |         |
| CU02 E5 | DU51 A4 | QU07 C4 | RU13 C3 |         |
| CU03 C4 | JD02 E1 | QU11 C6 | RU16 C1 |         |
| CU04 C4 | JD03 F5 | QU12 C5 | RU17 C1 |         |
| CU05 C4 | JU01 C6 | QU13 B5 | RU18 C1 |         |
| CU06 C4 | JU05 B1 | QU14 B5 | RU19 D4 |         |
| CU07 C5 | JU07 C1 | QU15 B5 | RU20 D4 |         |
| CU08 C4 | JU08 G1 | QU16 B5 | RU21 D4 |         |
| CU09 C4 | JU10 F6 | QU17 C2 | RU22 E4 |         |
| CU10 C5 | JU11 E5 | QU18 C3 | RU23 B3 |         |
| CU11 B5 | LU01 B1 | QU19 G2 | RU24 B4 |         |
| CU12 A5 | LU02 B1 | QU20 F2 | RU27 F4 |         |
| CU13 E5 | LU03 B1 | QU21 B4 | RU28 F4 |         |
| CU14 E6 | LU04 B1 | QU22 B4 | RU29 E4 |         |
| CU15 E5 | LU05 B1 | QU23 E5 | RU31 C3 |         |
| CU16 B3 | LU06 B1 | QU24 E5 | RU32 C3 |         |
| CU17 B3 | LU11 C1 | QU25 B3 | RU33 C2 |         |
| CU18 B3 | LU12 C1 | QU26 B3 | RU34 C3 |         |
| CU19 B3 | LU13 C1 | QU27 C2 | RU35 C2 |         |
| CU20 B2 | LU14 C1 | QU28 G2 | RU36 C3 |         |
| CU21 B2 | LU15 C1 | QU29 F2 | RU37 E5 |         |
| CU22 B3 | LU16 C1 | QU30 F4 | RU38 E5 |         |
| CU23 B3 | LU17 C1 | QU31 F4 | RU39 E4 |         |
| CU24 B3 | LU21 A5 | QU32 F4 | RU40 C2 |         |
| CU25 F3 | LU22 A5 | QU41 F3 | RU41 A3 |         |
| CU26 E1 | LU23 A5 | QU42 F3 | RU42 B3 |         |
| CU27 F4 | LU24 A5 | QU43 F3 | RU43 B3 |         |
| CU30 F3 | LU25 A5 | QU44 F3 | RU44 F3 |         |
| CU31 D3 | LU26 A5 | QU51 A4 | RU45 C6 |         |
| CU32 D3 | LU27 B5 | QU52 A3 | RU46 C2 |         |
| CU33 C2 | LU28 B5 | QU53 A4 | RU47 F2 |         |
| CU34 C3 | LU29 B5 | QU54 A4 | RU48 F2 |         |
| CU35 E5 | LU30 B5 | QU55 A4 | RU49 F3 |         |
| CU36 E5 | LU31 B5 | QU56 A3 | RU51 A4 |         |
| CU37 E4 | LU32 B5 | QU57 A4 | RU52 A3 |         |
| CU38 C2 | LU33 B5 | RD01 E3 | RU53 A3 |         |
| CU39 E5 | LU34 C5 | RD05 E2 | RU54 A4 |         |
| CU42 A3 | LU35 C6 | RD06 E2 | RU55 A3 |         |
| CU43 F2 |         |         |         |         |
| CU51 B4 |         |         |         |         |

PD51 B PWB



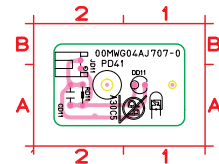
- |         |
|---------|
| JD51 B2 |
| JD52 D2 |

PB01 A PWB



- |         |         |         |
|---------|---------|---------|
| CB01 B5 | JB13 A2 | RB12 B4 |
| CB02 B5 | JB51 A5 | RB51 A6 |
| CB03 B5 | LB01 B3 | SB01 A4 |
| CB11 A2 | QB01 B4 |         |
| CB12 B2 | QB02 B4 |         |
| CB13 B3 | QB04 B4 |         |
| CB14 B3 | QB05 B4 |         |
| CB15 B3 | QB21 A4 |         |
| CB16 A2 | RB01 B5 |         |
| CB51 A6 | RB02 B6 |         |
| CB52 A6 | RB03 B5 |         |
| DB01 B3 | RB04 B4 |         |
| JB01 B6 | RB05 B4 |         |
| JB05 A6 | RB06 B4 |         |
| JB06 A1 | RB08 B4 |         |
| JB11 A2 | RB10 B4 |         |
| JB12 A3 | RB11 B3 |         |

PD41 B PWB



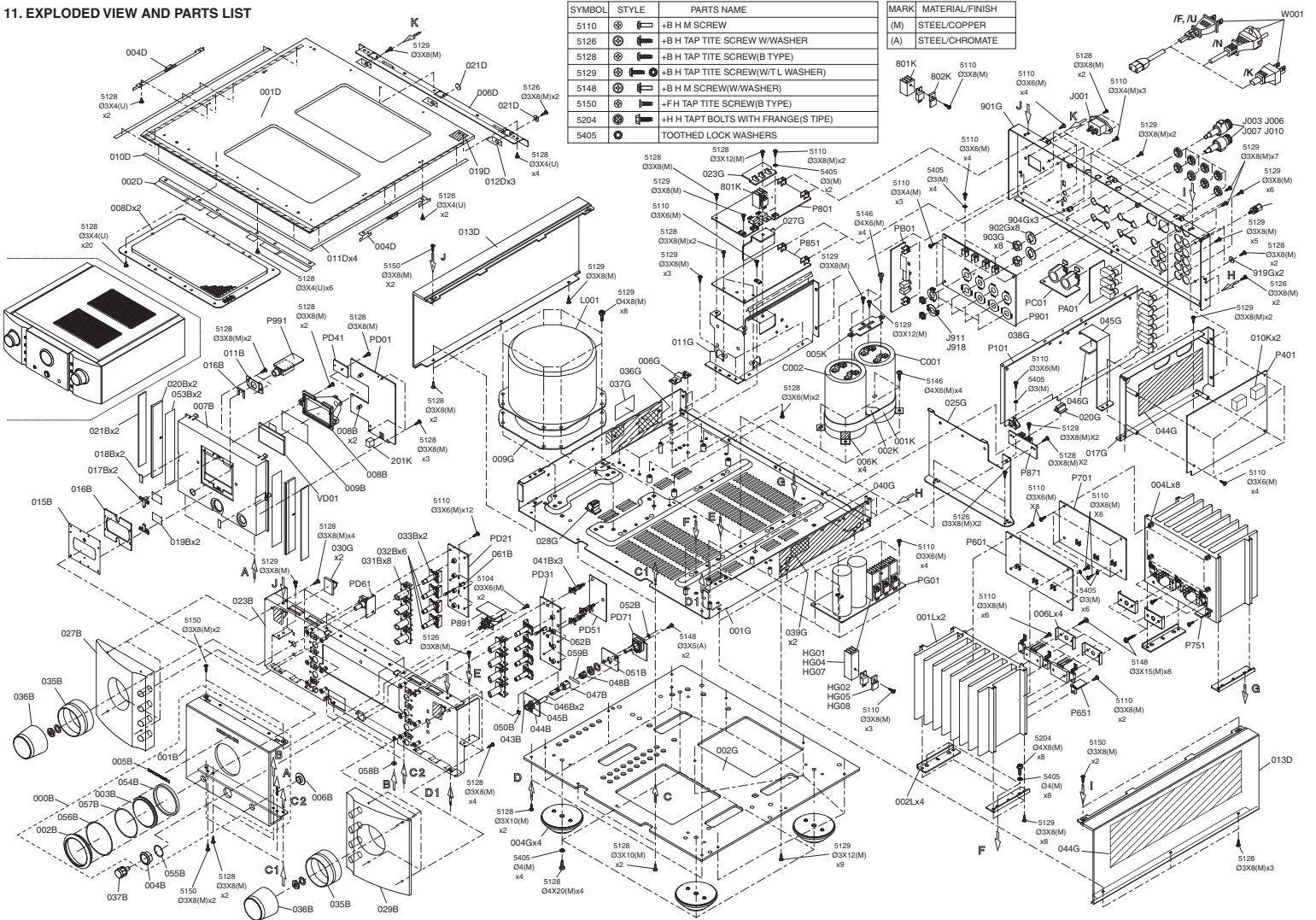
- |         |
|---------|
| CD11 A2 |
| DD11 A1 |
| JD11 A2 |
| RD11 A2 |

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).

11. EXPLODED VIEW AND PARTS LIST

| SYMBOL | STYLE | PARTS NAME                         |
|--------|-------|------------------------------------|
| 5110   |       | +B H M SCREW                       |
| 5128   |       | +B H TAP TITE SCREW W/WASHER       |
| 5128   |       | +B H TAP TITE SCREW(B TYPE)        |
| 5129   |       | +B H TAP TITE SCREW(W/TL WASHER)   |
| 5148   |       | +B H M SCREW(W/WASHER)             |
| 5150   |       | +F H TAP TITE SCREW(B TYPE)        |
| 5204   |       | +H H TAP BOLTS WITH FRANGE(S TISE) |
| 5405   |       | TOOTHED LOCK WASHERS               |

| MARK | MATERIAL/FINISH |
|------|-----------------|
| (M)  | STEEL/COPPER    |
| (A)  | STEEL/CHROMATE  |





| P.W.B. NAME | POS. NO. | VERS. COLOR | PART NO. (FOR EUR) | PART NO. (MZ) | PART NAME  | DESCRIPTION                      |
|-------------|----------|-------------|--------------------|---------------|------------|----------------------------------|
|             | 000B     | F N         | nsp                | 998402000120M | PANEL ASSY | FRONT PANEL ASSY (GL)            |
|             | 000B     | /K1G        | nsp                | 998402000120M | PANEL ASSY | FRONT PANEL ASSY (GL)            |
|             | 000B     | /N1G        | 998402000120M      | 998402000120M | PANEL ASSY | FRONT PANEL ASSY (GL)            |
|             | 000B     | /N1S        | 998402000130M      | 998402000130M | PANEL ASSY | FRONT PANEL ASSY (SL)            |
|             | 000B     | /U1G        | nsp                | 998402000120M | PANEL ASSY | FRONT PANEL ASSY (GL)            |
|             | 006B     |             | 00M256J355030      | 00M256J355030 | LENS       | IR LENS                          |
|             | 007B     |             | 00M04AJ105050      | 00M04AJ105050 | CHASSIS    | FRONT MOLD CHASSIS               |
|             | 015B     | F N         | nsp                | 00M04AJ265500 | INDICATOR  | LCD ESC.KIT                      |
|             | 015B     | /K1G        | nsp                | 00M04AJ265500 | INDICATOR  | LCD ESC.KIT                      |
|             | 015B     | /N1G        | 00M04AJ265500      | 00M04AJ265500 | INDICATOR  | LCD ESC.KIT                      |
|             | 015B     | /N1S        | 00M04AJ265510      | 00M04AJ265510 | INDICATOR  | LCD ESC.KIT (SILVER)             |
|             | 015B     | /U1G        | nsp                | 00M04AJ265500 | INDICATOR  | LCD ESC.KIT                      |
|             | 020B     |             | 00M04AJ355030      | 00M04AJ355030 | LENS       | LENS SIDE                        |
|             | 027B     |             | nsp                | 00M04AJ063110 | ESCUTCHEON | SIDE ESC.(L/GL)                  |
|             | 027B     | /K1G        | nsp                | 00M04AJ063110 | ESCUTCHEON | SIDE ESC.(L/GL)                  |
|             | 027B     | /N1G        | 00M04AJ063110      | 00M04AJ063110 | ESCUTCHEON | SIDE ESC.(L/GL)                  |
|             | 027B     | /N1S        | 00M04AJ063210      | 00M04AJ063210 | ESCUTCHEON | SIDE ESC.(L/SI)                  |
|             | 027B     | /U1G        | nsp                | 00M04AJ063110 | ESCUTCHEON | SIDE ESC.(L/GL)                  |
|             | 029B     | F N         | nsp                | 00M04AJ063120 | ESCUTCHEON | SIDE ESC.(R/GL)                  |
|             | 029B     | /K1G        | nsp                | 00M04AJ063120 | ESCUTCHEON | SIDE ESC.(R/GL)                  |
|             | 029B     | /N1G        | 00M04AJ063120      | 00M04AJ063120 | ESCUTCHEON | SIDE ESC.(R/GL)                  |
|             | 029B     | /N1S        | 00M04AJ063220      | 00M04AJ063220 | ESCUTCHEON | SIDE ESC.(R/SI)                  |
|             | 029B     | /U1G        | nsp                | 00M04AJ063120 | ESCUTCHEON | SIDE ESC. R/GL                   |
|             | 031B     | F N         | nsp                | 00M04AJ259210 | BUSHING    | FUNCTION BUTTON BUSH GOLD        |
|             | 031B     | /K1G        | nsp                | 00M04AJ259210 | BUSHING    | FUNCTION BUTTON BUSH GOLD        |
|             | 031B     | /N1G        | 00M04AJ259210      | 00M04AJ259210 | BUSHING    | FUNCTION BUTTON BUSH GOLD        |
|             | 031B     | /N1S        | 00M04AJ259110      | 00M04AJ259110 | BUSHING    | FUNCTION BUTTON BUSH SILVER      |
|             | 031B     | /U1G        | nsp                | 00M04AJ259210 | BUSHING    | FUNCTION BUTTON BUSH GOLD        |
|             | 032B     | F N         | nsp                | 00M04AJ270120 | BUTTON     | FUNCTION BUTTON LIGHTING (GL)    |
|             | 032B     | /K1G        | nsp                | 00M04AJ270120 | BUTTON     | FUNCTION BUTTON LIGHTING (GL)    |
|             | 032B     | /N1G        | 00M04AJ270120      | 00M04AJ270120 | BUTTON     | FUNCTION BUTTON LIGHTING (GL)    |
|             | 032B     | /N1S        | 00M04AJ270220      | 00M04AJ270220 | BUTTON     | FUNCTION BUTTON LIGHTING (SL)    |
|             | 032B     | /U1G        | nsp                | 00M04AJ270120 | BUTTON     | FUNCTION BUTTON LIGHTING (GL)    |
|             | 033B     | F N         | nsp                | 00M04AJ270130 | BUTTON     | FUNCTION BUTTON (GL)             |
|             | 033B     | /K1G        | nsp                | 00M04AJ270130 | BUTTON     | FUNCTION BUTTON (GL)             |
|             | 033B     | /N1G        | 00M04AJ270130      | 00M04AJ270130 | BUTTON     | FUNCTION BUTTON (GL)             |
|             | 033B     | /N1S        | 00M04AJ270230      | 00M04AJ270230 | BUTTON     | FUNCTION BUTTON (SI)             |
|             | 033B     | /U1G        | nsp                | 00M04AJ270130 | BUTTON     | FUNCTION BUTTON (GL)             |
|             | 035B     | F N         | nsp                | 00M04AJ353110 | RING       | MASTER KNOB RING (GL)            |
|             | 035B     | /K1G        | nsp                | 00M04AJ353110 | RING       | MASTER KNOB RING (GL)            |
|             | 035B     | /N1G        | 00M04AJ353110      | 00M04AJ353110 | RING       | MASTER KNOB RING (GL)            |
|             | 035B     | /N1S        | 00M04AJ353210      | 00M04AJ353210 | RING       | MASTER KNOB RING (SL)            |
|             | 035B     | /U1G        | nsp                | 00M04AJ353110 | RING       | MASTER KNOB RING (GL)            |
|             | 036B     | F N         | nsp                | 00M10AJ154110 | KNOB       | MASTER KNOB (GL)                 |
|             | 036B     | /K1G        | nsp                | 00M10AJ154110 | KNOB       | MASTER KNOB (GL)                 |
|             | 036B     | /N1G        | 00M10AJ154110      | 00M10AJ154110 | KNOB       | MASTER KNOB (GL)                 |
|             | 036B     | /N1S        | 00M10AJ154210      | 00M10AJ154210 | KNOB       | MASTER KNOB (SL)                 |
|             | 036B     | /U1G        | nsp                | 00M10AJ154110 | KNOB       | MASTER KNOB (GL)                 |
|             | 037B     | F N         | nsp                | 00M04AJ270110 | BUTTON     | POWER BUTTON (GL)                |
|             | 037B     | /K1G        | nsp                | 00M04AJ270110 | BUTTON     | POWER BUTTON (GL)                |
|             | 037B     | N1          | 00M04AJ270110      | 00M04AJ270110 | BUTTON     | POWER BUTTON (GL)                |
|             | 037B     | /N1S        | 00M04AJ270210      | 00M04AJ270210 | BUTTON     | POWER BUTTON (SL)                |
|             | 037B     | /U1G        | nsp                | 00M04AJ270110 | BUTTON     | POWER BUTTON (GL)                |
|             | 001D     | F N         | nsp                | 00M21AJ257110 | LID        | TOP COVER AL TYPE GL (HOLE TYPE) |
|             | 001D     | /K1G        | nsp                | 00M21AJ257110 | LID        | TOP COVER AL TYPE GL (HOLE TYPE) |
|             | 001D     | /N1G        | 00M21AJ257110      | 00M21AJ257110 | LID        | TOP COVER AL TYPE GL (HOLE TYPE) |
|             | 001D     | /N1S        | 00M21AJ257210      | 00M21AJ257210 | LID        | TOP COVER AL TYPE SL (HOLE TYPE) |
|             | 001D     | /U1G        | nsp                | 00M21AJ257110 | LID        | TOP COVER AL TYPE GL (HOLE TYPE) |
|             | 008D     | F N         | nsp                | 00M21AJ003110 | PERFORATED | TOP COVER NET GL                 |
|             | 008D     | /K1G        | nsp                | 00M21AJ003110 | PERFORATED | TOP COVER NET GL                 |
|             | 008D     | /N1G        | 00M21AJ003110      | 00M21AJ003110 | PERFORATED | TOP COVER NET GL                 |
|             | 008D     | /N1S        | 00M21AJ003210      | 00M21AJ003210 | PERFORATED | TOP COVER NET SL                 |
|             | 008D     | /U1G        | nsp                | 00M21AJ003110 | PERFORATED | TOP COVER NET GL                 |
|             | 013D     | F N         | nsp                | 00M04AJ249110 | SIDE PANEL | SIDE PANEL (GL)                  |
|             | 013D     | /K1G        | nsp                | 00M04AJ249110 | SIDE PANEL | SIDE PANEL (GL)                  |
|             | 013D     | /N1G        | 00M04AJ249110      | 00M04AJ249110 | SIDE PANEL | SIDE PANEL (GL)                  |
|             | 013D     | /N1S        | 00M04AJ249210      | 00M04AJ249210 | SIDE PANEL | SIDE PANEL (SI)                  |

NOTE : \*nsp\* PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

| P.W.B. NAME                    | POS. NO. | VERS. COLOR | PART NO. (FOR EUR) | PART NO. (MZ) | PART NAME    | DESCRIPTION                      |
|--------------------------------|----------|-------------|--------------------|---------------|--------------|----------------------------------|
|                                | 013D     | /U1G        | nsp                | 00M04AJ249110 | SIDE PANEL   | SIDE PANEL (GL)                  |
|                                | 004G     | F N         | nsp                | 00M04AJ057510 | LEG          | LEGS(GOLD)                       |
|                                | 004G     | /K1G        | nsp                | 00M04AJ057510 | LEG          | LEGS(GOLD)                       |
|                                | 004G     | /N1G        | 00M04AJ057510      | 00M04AJ057510 | LEG          | LEGS(GOLD)                       |
|                                | 004G     | /N1S        | 00M04AJ057520      | 00M04AJ057520 | LEG          | LEGS(SILVER)                     |
|                                | 004G     | /U1G        | nsp                | 00M04AJ057510 | LEG          | LEGS(GOLD)                       |
|                                | C001     |             | 134710170000M      | 134710170000M | ELECT. CAP   | LKGH2223MSGTZT FOR PM11S2        |
|                                | C002     |             | 134710170000M      | 134710170000M | ELECT. CAP   | LKGH2223MSGTZT FOR PM11S2        |
|                                | ▲J001    |             | 00MYJ04002640      | 00MYJ04002640 | JACK         | ! R-301(21) AC INLET             |
|                                | J003     |             | 00MYT01010360      | 00MYT01010360 | TERMINAL     | WBT-0765 POLE TERMINAL RED       |
|                                | J004     |             | 00MYT01010360      | 00MYT01010360 | TERMINAL     | WBT-0765 POLE TERMINAL RED       |
|                                | J005     |             | 00MYT01010360      | 00MYT01010360 | TERMINAL     | WBT-0765 POLE TERMINAL RED       |
|                                | J006     |             | 00MYT01010360      | 00MYT01010360 | TERMINAL     | WBT-0765 POLE TERMINAL RED       |
|                                | J007     |             | 00MYT01010370      | 00MYT01010370 | TERMINAL     | WBT-0765 POLE TERMINAL WHT       |
|                                | J008     |             | 00MYT01010370      | 00MYT01010370 | TERMINAL     | WBT-0765 POLE TERMINAL WHT       |
|                                | J009     |             | 00MYT01010370      | 00MYT01010370 | TERMINAL     | WBT-0765 POLE TERMINAL WHT       |
|                                | J010     |             | 00MYT01010370      | 00MYT01010370 | TERMINAL     | WBT-0765 POLE TERMINAL WHT       |
|                                | J011     |             | 00MYL03010300      | 00MYL03010300 | TERMINAL     | GLD GND TERMINAL W/M3 TAPTIGHT   |
|                                | ▲L001    | F N         | nsp                | 00MTS45001190 | TRANSF.      | # POWER TRANS FOR PM-11S2(100V)  |
|                                | ▲L001    | /K1G        | nsp                | 00MTS45001210 | TRANSF.      | # POWER TRANS FOR PM-11S2(230V)  |
|                                | ▲L001    | /N1G        | 00MTS45001210      | 00MTS45001210 | TRANSF.      | # POWER TRANS FOR PM-11S2(230V)  |
|                                | ▲L001    | /N1S        | 00MTS45001210      | 00MTS45001210 | TRANSF.      | # POWER TRANS FOR PM-11S2(230V)  |
|                                | ▲L001    | /U1G        | nsp                | 00MTS45001200 | TRANSF.      | # POWER TRANS FOR PM-11S2, 120V, |
|                                | L003     |             | 00MFC50160030      | 00MFC50160030 | FERRITE CORE | FERRITE CORE TFCK-16813          |
|                                | L004     |             | 00MFC50160030      | 00MFC50160030 | FERRITE CORE | FERRITE CORE TFCK-16813          |
|                                | L005     |             | 00MFC50160030      | 00MFC50160030 | FERRITE CORE | FERRITE CORE TFCK-16813          |
|                                | P101     |             | nsp                | nsp           | PWB ASSY     | PRE AMP PWB ASSY                 |
|                                | P401     |             | nsp                | nsp           | PWB ASSY     | PHONO/BALANCE PWB ASSY           |
|                                | P601     |             | nsp                | nsp           | PWB ASSY     | L CH POWER AMP PWB ASSY          |
|                                | P651     |             | nsp                | nsp           | PWB ASSY     | L CH POSISTOR PWB ASSY           |
|                                | P701     |             | nsp                | nsp           | PWB ASSY     | R CH POWER AMP PWB ASSY          |
|                                | P751     |             | nsp                | nsp           | PWB ASSY     | R CH POSISTOR PWB ASSY           |
|                                | P801     |             | nsp                | nsp           | PWB ASSY     | POWER SUPPLY PWB ASSY            |
|                                | P851     |             | nsp                | nsp           | PWB ASSY     | SOFT START PWB ASSY              |
|                                | P871     |             | nsp                | nsp           | PWB ASSY     | GND TO CHASSIS PWB ASSY          |
|                                | P891     |             | nsp                | nsp           | PWB ASSY     | POWER SWITCH PWB ASSY            |
|                                | P901     |             | nsp                | nsp           | PWB ASSY     | SPEAKER OUT PWB ASSY             |
|                                | P991     |             | nsp                | nsp           | PWB ASSY     | HEAD PHONE PWB ASSY              |
|                                | PA01     |             | nsp                | nsp           | PWB ASSY     | PREOUT/RECOU PWB ASSY            |
|                                | PB01     |             | nsp                | nsp           | PWB ASSY     | BUS INTERFACE PWB ASSY           |
|                                | PC01     |             | nsp                | nsp           | PWB ASSY     | BALANCE INPUT PWB ASSY           |
|                                | PD01     |             | nsp                | nsp           | PWB ASSY     | U-COM PWB ASSY                   |
|                                | PD21     |             | nsp                | nsp           | PWB ASSY     | TACT SWITCH LEFT PWB ASSY        |
|                                | PD31     |             | nsp                | nsp           | PWB ASSY     | TACT SWITCH RIGHT PWB ASSY       |
|                                | PD41     |             | nsp                | nsp           | PWB ASSY     | BACK LIGHT PWB ASSY              |
|                                | PD51     |             | nsp                | nsp           | PWB ASSY     | 15P WIRE JOINT PWB ASSY          |
|                                | PD61     |             | nsp                | nsp           | PWB ASSY     | SELECTOR PWB ASSY                |
|                                | PD71     |             | nsp                | nsp           | PWB ASSY     | VOLUME PWB ASSY                  |
|                                | PG01     |             | nsp                | nsp           | PWB ASSY     | REGULATOR PWB ASSY               |
|                                | VD01     |             | 00MHQ22901990      | 00MHQ22901990 | DISPLAY      | LCD MODULE FOR PM-11S1           |
| <b>PA KIN</b>                  |          |             |                    |               |              |                                  |
|                                | 001T     | F N         | nsp                | 541110120012M | USER GUIDE   | USER GUIDE PM-11S2 (F)           |
|                                | 001T     | /K1G        | nsp                | 541110120050M | USER GUIDE   | USER GUIDE PM-11S2 (K)           |
|                                | 001T     | /N1G        | 541110120036M      | 541110120036M | USER GUIDE   | USER GUIDE PM-11S2 (N)           |
|                                | 001T     | /N1S        | 541110120036M      | 541110120036M | USER GUIDE   | USER GUIDE PM-11S2 (N)           |
|                                | 001T     | /U1G        | nsp                | 541110120036M | USER GUIDE   | USER GUIDE PM-11S2 (N)           |
|                                | ▲W001    | F N         | nsp                | 00D2062141002 | MAINS CORD   | # MAINS CORD W/CON&PLUG          |
|                                | ▲W001    | /K1G        | nsp                | 00MZC01808030 | MAINS CORD   | # MAINS CORD CHINA 250V 10A      |
|                                | ▲W001    | /N1G        | 00MZC01803080      | 00MZC01803080 | MAINS CORD   | # 2P MAINS CORD 10A 250V CLASS2  |
|                                | ▲W001    | /N1S        | 00MZC01803080      | 00MZC01803080 | MAINS CORD   | # 2P MAINS CORD 10A 250V CLASS2  |
|                                | ▲W001    | /U1G        | nsp                | 00MZC01802100 | MAINS CORD   | # MAINS CORDSET 125V13A UL/CSA   |
|                                | Z001     |             | 00MZK340J0020      | 00MZK340J0020 | UNIT KIT     | REMOTE CONTROLLER RC001PM        |
| <b>NOT STANDARD SPARE PART</b> |          |             |                    |               |              |                                  |
|                                | 001S     |             | nsp                | 531210036003M | PACKING CASE | PACKING CASE PM-11S2             |
|                                | 002S     |             | nsp                | 00M04AJ809010 | CUSHION      | CUSHION (L)                      |
|                                | 003S     |             | nsp                | 00M04AJ809020 | CUSHION      | CUSHION (R)                      |
|                                | 007S     | /N1G        | nsp                | 531210037006M | MASS CARTON  | MASTER CARTON PM-11S2            |

NOTE : "nsp" PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

| P.W.B. NAME | POS. NO. | VERS. COLOR | PART NO. (FOR EUR) | PART NO. (MZ) | PART NAME   | DESCRIPTION           |
|-------------|----------|-------------|--------------------|---------------|-------------|-----------------------|
|             | 007S     | /N1S        | nsp                | 531210037006M | MASS CARTON | MASTER CARTON PM-11S2 |

NOTE : "nsp" PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

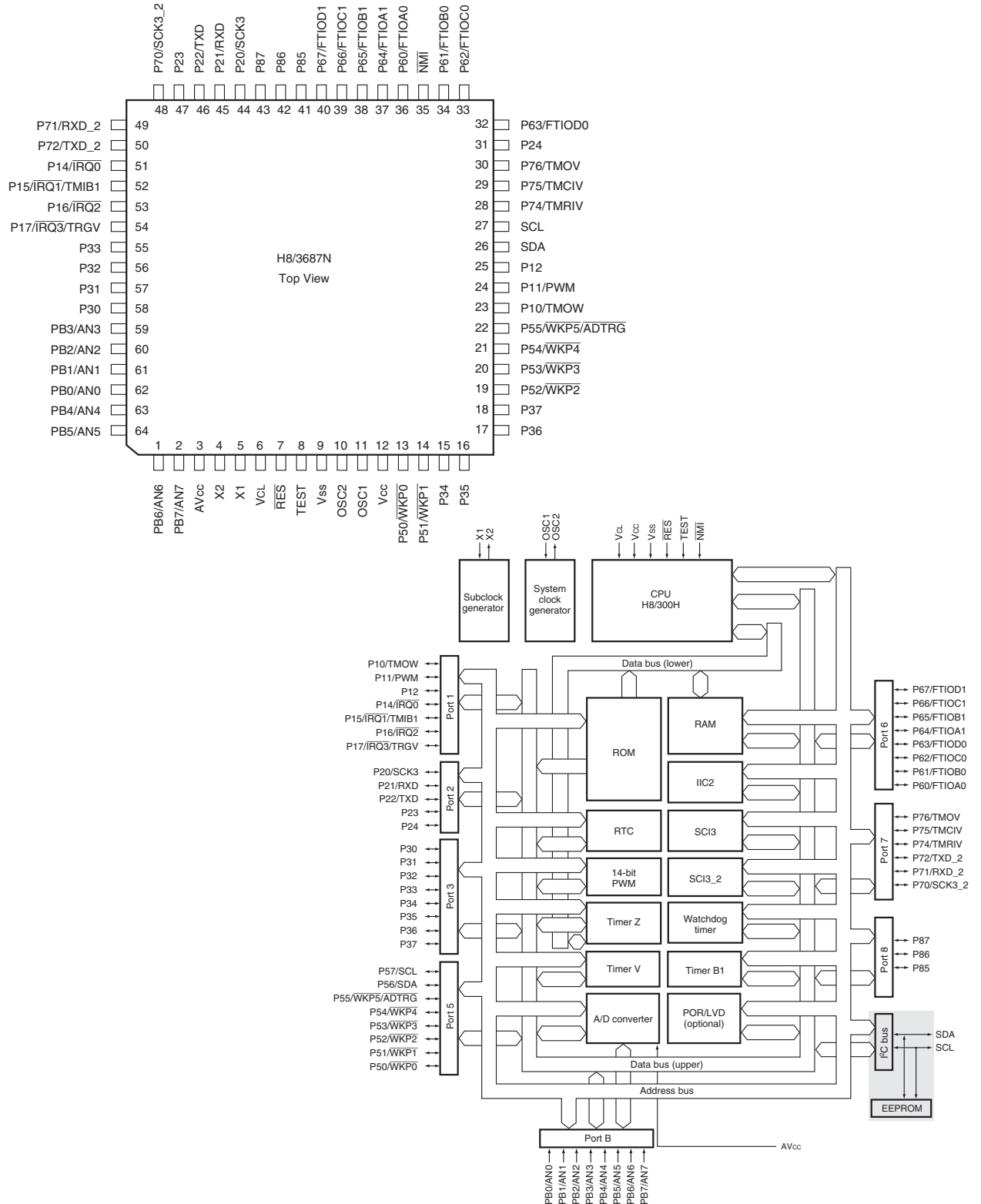
## 12. MICROPROCESSOR AND IC DATA

PD01 / QU01 : H8/3687

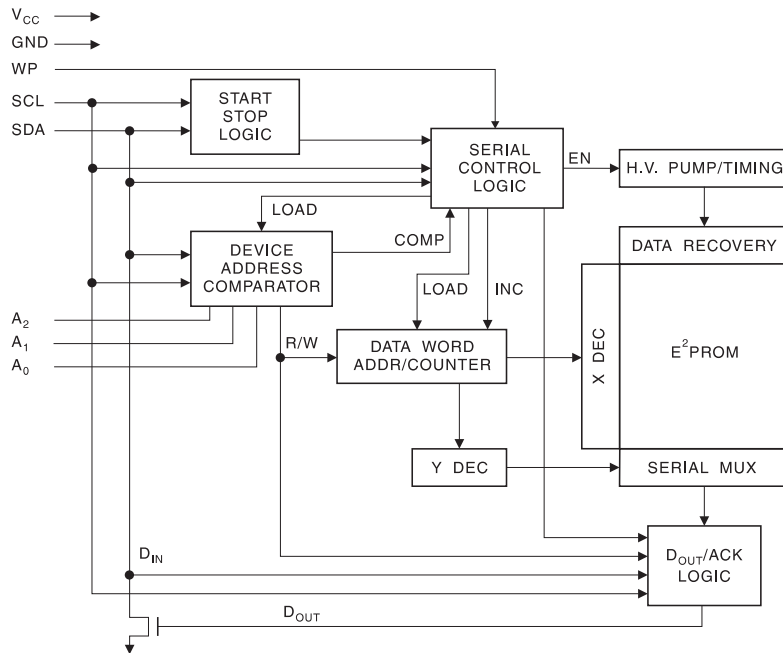
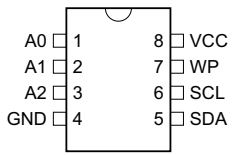
| Pin | PORT             | SIGNAL NAM | I/O | Functions                                | Description                |
|-----|------------------|------------|-----|--|----------------------------|
| 1   | PB6_AN6          | AD2        | I   | Left key A/D pin                         |                            |
| 2   | PB7_AN7          | AD1        | I   | Model select                             | H/L = PM-11A/PM-11B        |
| 3   | AVcc             | AVCC       | I   | Analog power supply                      |                            |
| 4   | X2               | X2         | O   | Sub clock output                         |                            |
| 5   | X1               | X1         | I   | Sub clock input                          | 32.758kHz                  |
| 6   | VCL              | VCI        | I   | Internal step-down power supply          |                            |
| 7   | /RES             | RES        | I   | Reset pin                                |                            |
| 8   | TEST             | TEST       | I   | Test pin                                 | Connect to GND             |
| 9   | Vss              | GND        | I   | GND                                      |                            |
| 10  | OSC2             | OSC2       | O   | Main clock output                        |                            |
| 11  | OSC1             | OSC1       | I   | Main clock input                         | 8MHz                       |
| 12  | Vcc              | VCC        | I   | +3.3V Power supply                       |                            |
| 13  | P50_/WKP0        | VOLA       | I   | Volume A                                 | External trigger(Active H) |
| 14  | P51_/WKP1        | VOLB       | I   | Volume B                                 | External trigger(Active H) |
| 15  | P34              | T_CE_R     | O   | Rch NJU7312 chip select                  |                            |
| 16  | P35              | T_CE_L     | O   | Lch NJU7312 chip select                  |                            |
| 17  | P36              | T_DI       | O   | NJU7312 serial data output               |                            |
| 18  | P37              | T_CL       | O   | NJU7312 clock                            |                            |
| 19  | P52_/WKP2        | SEL_A      | I   | Input selector A                         | External trigger(Active H) |
| 20  | P53_/WKP3        | SEL_B      | I   | Input selector B                         | External trigger(Active H) |
| 21  | P54_/WKP4        | MUTE_D     | O   | Pre out relay ON/OFF                     | Active L(MUTE ON)          |
| 22  | P55_/WKP5_/ADTRG | AD_INT     | I   | A/D trigger                              | External trigger(Active L) |
| 23  | P10_TMOW         | MUTE_VOL   | O   | WM8816 mute                              | Active H(MUTE ON)          |
| 24  | P11_PWM          | POW_ON_2   | O   | Soft start relay ON/OFF                  | H/L = POW_ON/POW_OFF       |
| 25  | P12              | POW_ON_1   | O   | Main power relay ON/OFF                  | H/L = POW_ON/POW_OFF       |
| 26  | P56_SDA          | SDA        | I/O | AT24C08 serial data                      | I2C_DATA                   |
| 27  | P57_SCL          | SCL        | O   | AT24C08 clock                            | I2C_CLOCK                  |
| 28  | P74_TMRIV        | VOL_CSL    | O   | Lch WM8816 chip select                   | Active H                   |
| 29  | P75_TMCIV        | VOL_CSR    | O   | Rch WM8816 chip select                   | Active H                   |
| 30  | P76_TMOV         | KILL_IR    | O   | IR sensor ON/OFF                         | Active L(SENSOR off)       |
| 31  | P24              | RC_OUT     | O   | IR capture output                        |                            |
| 32  | P63_FTIOD0       | L_DATA     | O   | LCD data out                             |                            |
| 33  | P62_FTIOC0       | BL_ON      | O   | LCD back light ON/OFF                    | H/L = ON/OFF               |
| 34  | P61_FTIOB0       | OPR_ON     | O   | Operate LED ON                           | H/L = ID0,ID1/ID2,ID3      |
| 35  | /NMI             | ICE4       | I   | ICE connect pin4                         | ICE brake control          |
| 36  | P60_FTIOA0       | Reserved   | -   | -  |                            |
| 37  | P64_FTIOA1       | RC_IN      | I   | IR capture input                         | IR capture input(Active L) |
| 38  | P65_FTIOB1       | VOL_CLK    | O   | WM8816 clock                             |                            |
| 39  | P66_FTIOC1       | VOL_DAT    | I/O | WM8816 serial data                       |                            |
| 40  | P67_FTIOD1       | Reserved   | -   | -  |                            |
| 41  | P85              | ICE1       | -   | ICE connect pin1                         |                            |
| 42  | P86              | ICE2       | -   | ICE connect pin2                         |                            |
| 43  | P87              | ICE3       | -   | ICE connect pin3                         |                            |
| 44  | P20_SCK3         | S_OE       | O   | 74HC4094 output enable                   | Active H                   |
| 45  | P21_RXD          | RXD        | I   | System bus serial data input             |                            |
| 46  | P22_TXD          | TXD        | O   | System bus serial data output            |                            |
| 47  | P23              | BI         | I   | BI-AMP/Stereo select                     | H/L = STEREO/BI_AMP        |
| 48  | P70_SCK3-2       | S_CLK      | O   | 74HC4094 clock                           |                            |
| 49  | P71_RXD-2        | S_CE       | O   | 74HC4094 chip select                     | Active L                   |
| 50  | P72_TXD-2        | S_DATA     | O   | 74HC4094 serial data output              |                            |
| 51  | P14_/IRQ0        | SW_ON      | O   | BUS SW control                           | H/L = Disconnect/Connect   |
| 52  | P15_/IRQ1_TMIB1  | P_DOWN     | I   | Power down detect                        | External trigger(Active H) |
| 53  | P16_/IRQ2        | PROT_2     | I   | Power supply error detect                | Active L(POW_OFF)          |
| 54  | P17_/IRQ3_TRGV   | PROT_1     | I   | DC/over current/Temp detect              | Active H(VOL - ∞)          |
| 55  | P33              | L_CS       | O   | LCD-Controller(SPLC093C) chip select     | Active L                   |
| 56  | P32              | L_SCL      | O   | LCD-Controller(SPLC093C) Serial cloc out |                            |

PD01 / QU01 : H8/3687

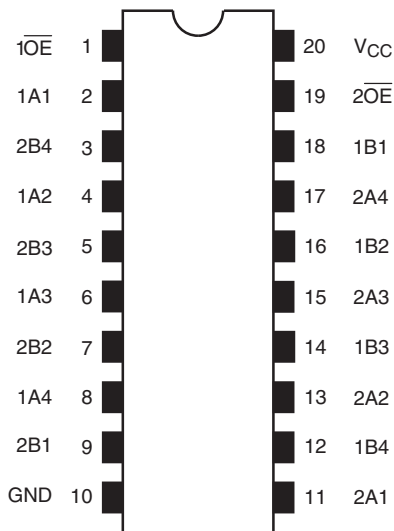
| Pin | PORT    | SIGNAL NAM | I/O | Functions                                 | Description                      |
|-----|---------|------------|-----|---|----------------------------------|
| 57  | P31     | L_RS       | O   | LCD-Controller(SPLC093C) register setting | H/L = Data/Instruction           |
| 58  | P30     | L_RES      | O   | LCD-Controller(SPLC093C) reset            | Active L(Reset)                  |
| 59  | PB3_AN3 | TEST_1     | I   | PCB mode setting 1                        | Port check 1                     |
| 60  | PB2_AN2 | TEST_2     | I   | PCB mode setting 2                        | Port check 2                     |
| 61  | PB1_AN1 | D-SET      | I   | LCD-Controller(SPLC093C) mode setting     | H/L 100msec, each time           |
| 62  | PB0_AN0 | AD3        | I   | Right key A/D pin                         |                                  |
| 63  | PB4_AN4 | HP_DET     | I   | Head phone jack detect                    | Active L(Head phone jack detect) |
| 64  | PB5_AN5 | Reserved   | -   | -   |                                  |



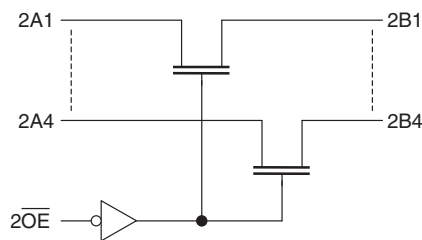
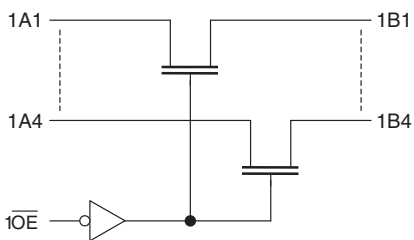
PD01 / QU02 : AT24C08



PD01 / QU03, QU05 : TC7MBD3244AFK

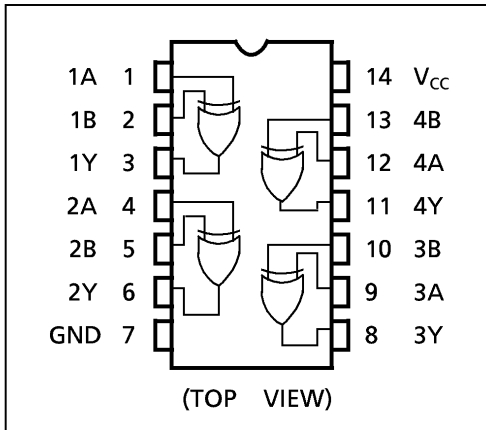


| Inputs          | Function      |
|-----------------|---------------|
| $\overline{OE}$ |               |
| L               | A port B port |
| H               | Disconnect    |

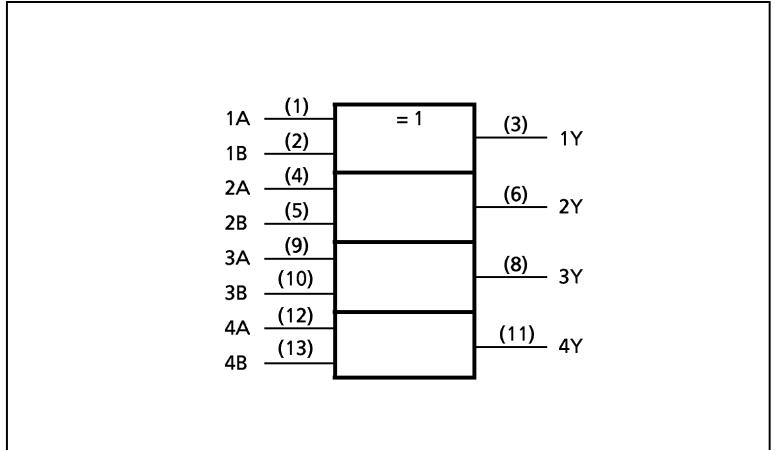


PD01 / QU06 : TC74VHC86F

PIN ASSIGNMENT



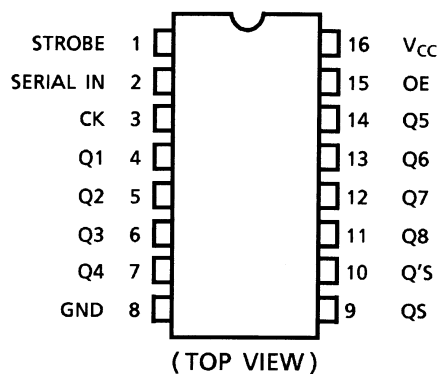
IEC LOGIC SYMBOL



TRUTH TABLE

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

PD01 / QU04, P101 / Q121, Q122 : 74HC4094



**PD01 / QU04, P101 / Q121, Q122 : 74HC4094**

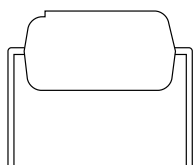
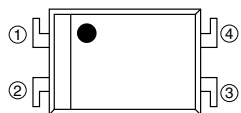
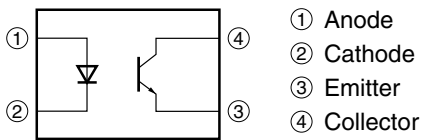
Q121 : 74HC4094

| Pin no | Port | I/O | Name          | Function                  | Description |
|--------|------|-----|---------------|---------------------------|-------------|
| 1      | CE   | IN  | STOROBE       |                           |             |
| 2      | DATA | IN  | DATA          |                           |             |
| 3      | CLK  | IN  | CLOCK         |                           |             |
| 4      | Q1   | OUT | LINE_2        | Line_2 input relay ON     | Active H    |
| 5      | Q2   | OUT | REC_1         | Recorder_1 input relay ON | Active H    |
| 6      | Q3   | OUT | REC_2         | Recorder_2 input relay ON | Active H    |
| 7      | Q4   | OUT | BI-AMP        | Bi-amp relay ON           | Active H    |
| 8      | GND  |     | GND           |                           |             |
| 9      | QS   | OUT | -             | -                         | -           |
| 10     | Q'S  | OUT | -             |                           |             |
| 11     | Q8   | OUT | LINE_1        | Line_1 input relay ON     | Active H    |
| 12     | Q7   | OUT | CD            | CD input relay ON         | Active H    |
| 13     | Q6   | OUT | BAL           | Balanced input relay ON   | Active H    |
| 14     | Q5   | OUT | PHONO         | Phono input relay ON      | Active H    |
| 15     | OE   | IN  | OUTPUT ENABLE |                           |             |
| 16     | VCC  |     | VCC           |                           |             |

Q122 : 74HC4094

| Pin no | Port | I/O | name          | Function                   | Description |
|--------|------|-----|---------------|----------------------------|-------------|
| 1      | CE   | IN  | STROBE        |                            |             |
| 2      | DATA | IN  | DATA          |                            |             |
| 3      | CLK  | IN  | CLOCK         |                            |             |
| 4      | Q1   | OUT | TONE          | Tone relay ON              | Active H    |
| 5      | Q2   | OUT | SPK1          | Speaker output relay ON    | Active H    |
| 6      | Q3   | OUT | SPK2          | Speaker output relay ON    | Active H    |
| 7      | Q4   | OUT | HP            | Headphone output relay ON  | Active H    |
| 8      | GND  |     | GND           |                            |             |
| 9      | QS   | OUT | -             | -                          |             |
| 10     | Q'S  | OUT | SERIAL OUTPUT | -                          |             |
| 11     | Q8   | IN  | -             | -                          |             |
| 12     | Q7   | OUT | RO_2          | Recorder_2 output relay ON | Active H    |
| 13     | Q6   | OUT | RO_1          | Recorder_1 output relay ON | Active H    |
| 14     | Q5   | OUT | MM            | Phono MM relay ON          | Active H    |
| 15     | OE   | IN  | OUTPUT ENABLE |                            |             |
| 16     | VCC  |     | VCC           |                            |             |

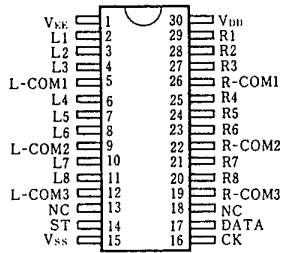
**PD01 / QB21: PC817**



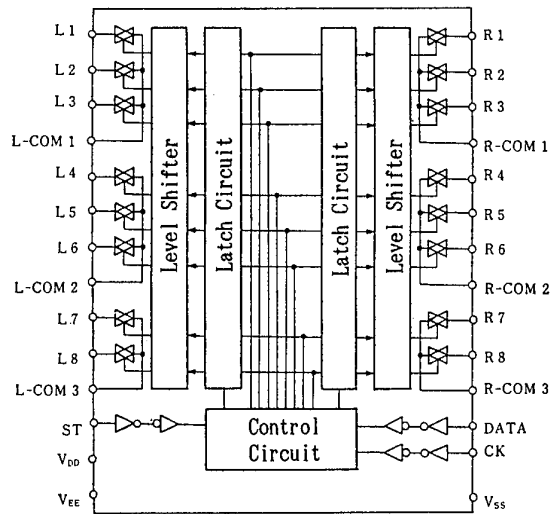


P101 / Q301, Q302 : NJU7312

■ BLOCK DIAGRAM



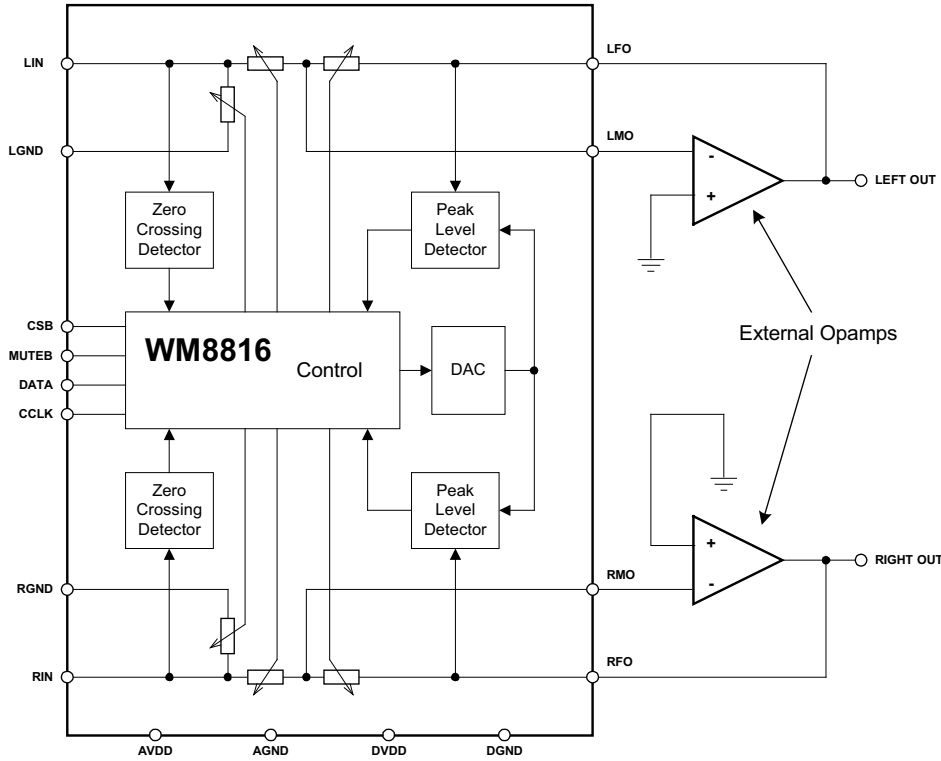
NJU7312AM



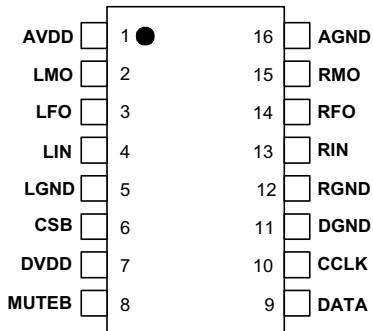
■ TERMINALS DESCRIPTION

| No. |     | SYMBOL          | FUNCTIONS                  | No.           |     | SYMBOL          | FUNCTIONS                  |
|-----|-----|-----------------|----------------------------|---------------|-----|-----------------|----------------------------|
| DIP | DMP |                 |                            | DIP           | DMP |                 |                            |
| 1   | 1   | V <sub>EE</sub> | Negative Voltage Supply    | 15            | 16  | CK              | Clock input                |
| 2   | 2   | L1              | Analog switch input/output | 16            | 17  | DATA            | Data input                 |
| 3   | 3   | L2              |                            | 17            | 19  | R-COM3          | R7, L8 Common              |
| 4   | 4   | L3              |                            | 18            | 20  | R8              | Analog switch input/output |
| 5   | 5   | L-COM1          | L1, L2, L3 Common          | 19            | 21  | R7              |                            |
| 6   | 6   | L4              | Analog switch input/output | 20            | 22  | R-COM2          | R4, R5, R6 Common          |
| 7   | 7   | L5              |                            | 21            | 23  | R6              | Analog switch input/output |
| 8   | 8   | L6              |                            | 22            | 24  | R5              |                            |
| 9   | 9   | L-COM2          | L4, L5, L6 Common          | 23            | 25  | R4              |                            |
| 10  | 10  | L7              | Analog switch input/output | 24            | 26  | R-COM1          | R1, R2, R3 Common          |
| 11  | 11  | L8              |                            | 25            | 27  | R3              | Analog switch input/output |
| 12  | 12  | L-COM3          |                            | L7, L8 Common | 26  | 28              | R2                         |
| 13  | 14  | ST              | Chip enable                | 27            | 29  | R1              |                            |
| 14  | 15  | V <sub>SS</sub> | GND                        | 28            | 30  | V <sub>DD</sub> | Positive voltage supply    |

**BLOCK DIAGRAM**



**PIN CONFIGURATION**



**PIN DESCRIPTION**

| PIN | NAME   | TYPE             | DESCRIPTION                                      |
|-----|--------|------------------|--|
| 1   | AVDD   | Supply           | Supply Voltage for Analogue Circuitry            |
| 2   | LMO    | Analogue Output  | External Op-amp Inverting Input (Left Channel)   |
| 3   | LFO    | Analogue Input   | External Op-amp Feedback Signal (Left Channel)   |
| 4   | LIN    | Analogue Input   | Input Signal (Left Channel)                      |
| 5   | LGND   | Analogue Input   | Input Signal Ground (Left Channel)               |
| 6   | CSB    | Digital Input    | Chip Select (active low)                         |
| 7   | DVDD   | Supply           | Supply Voltage for Digital Circuitry             |
| 8   | MUTE B | Digital Input    | Mute (active low)                                |
| 9   | DATA   | Digital In / Out | Serial Interface Data Input / Output (tri-state) |
| 10  | CCLK   | Digital Input    | Serial Interface Clock                           |
| 11  | DGND   | Supply           | Digital Ground                                   |
| 12  | RGND   | Analogue Input   | Input Signal Ground (Right Channel)              |
| 13  | RIN    | Analogue Input   | Input Signal (Right Channel)                     |
| 14  | RFO    | Analogue Input   | External Op-amp Feedback Signal (Right Channel)  |
| 15  | RMO    | Analogue Output  | External Op-amp Inverting Input (Right Channel)  |
| 16  | AGND   | Supply           | Analogue Ground                                  |



| P.W.B. NAME | POS. NO. | VERS. COLOR | PART NO. (FOR EUR) | PART NO. (MZ) | PART NAME                                 | DESCRIPTION                           |
|-------------|----------|-------------|--------------------|---------------|---|---------------------------------------|
|             |          |             |                    |               | <b>PRE AMP PWB (P101) (00MWG04AJ701-)</b> |                                       |
| P101        | C121     |             | nsp                | 00MOA47602520 | ELECT. CAP.                               | 47 UF M 25V RA-2                      |
| P101        | C131     |             | nsp                | 00MOA22605020 | ELECT. CAP.                               | 22 UF M 50V RA-2                      |
| P101        | C151     |             | nsp                | 00MOA22602520 | ELECT. CAP.                               | ROS-25V 220M - F3#PE - T2 (22UF 25V)  |
| P101        | C152     |             | nsp                | 00MOA22602520 | ELECT. CAP.                               | ROS-25V 220M - F3#PE - T2 (22UF 25V)  |
| P101        | C155     |             | nsp                | 00MOA22602520 | ELECT. CAP.                               | ROS-25V 220M - F3#PE - T2 (22UF 25V)  |
| P101        | C156     |             | nsp                | 00MOA22602520 | ELECT. CAP.                               | ROS-25V 220M - F3#PE - T2 (22UF 25V)  |
| P101        | C157     |             | nsp                | 00MOA22702520 | ELECT. CAP.                               | 220 UF M 25V RA-2                     |
| P101        | C158     |             | nsp                | 00MOA22702520 | ELECT. CAP.                               | 220 UF M 25V RA-2                     |
| P101        | C201     |             | nsp                | 00MOA47602520 | ELECT. CAP.                               | ROS-25V 470M - G3#PE - T2 (47UF 25V)  |
| P101        | C202     |             | nsp                | 00MOA47602520 | ELECT. CAP.                               | ROS-25V 470M - G3#PE - T2 (47UF 25V)  |
| P101        | C203     |             | 00MOF56331540      | 00MOF56331540 | FILM CAP.                                 | STAR(126)100VDC331J7-10               |
| P101        | C204     |             | 00MOF56331540      | 00MOF56331540 | FILM CAP.                                 | STAR(126)100VDC331J7-10               |
| P101        | C205     |             | 00MOF55220590      | 00MOF55220590 | FILM CAP.                                 | 22PF 200V +- 5% FAS                   |
| P101        | C206     |             | 00MOF55220590      | 00MOF55220590 | FILM CAP.                                 | 22PF 200V +- 5% FAS                   |
| P101        | C207     |             | nsp                | 00MOA22602520 | ELECT. CAP.                               | ROS-25V 220M - F3#PE - T2 (22UF 25V)  |
| P101        | C208     |             | nsp                | 00MOA22602520 | ELECT. CAP.                               | ROS-25V 220M - F3#PE - T2 (22UF 25V)  |
| P101        | C209     |             | nsp                | 00MOA477025R0 | ELECT. CAP.                               | ROA-25V 471M -I6#PE - S13 (470UF 25V) |
| P101        | C210     |             | nsp                | 00MOA477025R0 | ELECT. CAP.                               | ROA-25V 471M -I6#PE - S13 (470UF 25V) |
| P101        | C211     |             | nsp                | 00MOA477025R0 | ELECT. CAP.                               | ROA-25V 471M -I6#PE - S13 (470UF 25V) |
| P101        | C212     |             | nsp                | 00MOA477025R0 | ELECT. CAP.                               | ROA-25V 471M -I6#PE - S13 (470UF 25V) |
| P101        | C213     |             | 00MOF15101540      | 00MOF15101540 | FILM CAP.                                 | 100PF J 100V APSV                     |
| P101        | C214     |             | 00MOF15101540      | 00MOF15101540 | FILM CAP.                                 | 100PF J 100V APSV                     |
| P101        | C301     |             | nsp                | 00MOA22602520 | ELECT. CAP.                               | ROS-25V 220M - F3#PE - T2 (22UF 25V)  |
| P101        | C302     |             | nsp                | 00MOA22602520 | ELECT. CAP.                               | ROS-25V 220M - F3#PE - T2 (22UF 25V)  |
| P101        | C303     |             | 00MOF15101540      | 00MOF15101540 | FILM CAP.                                 | 100PF J 100V APSV                     |
| P101        | C304     |             | 00MOF15101540      | 00MOF15101540 | FILM CAP.                                 | 100PF J 100V APSV                     |
| P101        | C305     |             | 00MOF15101540      | 00MOF15101540 | FILM CAP.                                 | 100PF J 100V APSV                     |
| P101        | C306     |             | 00MOF15101540      | 00MOF15101540 | FILM CAP.                                 | 100PF J 100V APSV                     |
| P101        | C309     |             | nsp                | 00MOA47602520 | ELECT. CAP.                               | ROS-25V 470M - G3#PE - T2 (47UF 25V)  |
| P101        | C310     |             | nsp                | 00MOA47602520 | ELECT. CAP.                               | ROS-25V 470M - G3#PE - T2 (47UF 25V)  |
| P101        | C311     |             | 00MOF15472540      | 00MOF15472540 | FILM CAP.                                 | 4700PF J 100V APSV                    |
| P101        | C312     |             | 00MOF15472540      | 00MOF15472540 | FILM CAP.                                 | 4700PF J 100V APSV                    |
| P101        | C313     |             | 00MOF15101540      | 00MOF15101540 | FILM CAP.                                 | 100PF J 100V APSV                     |
| P101        | C314     |             | 00MOF15101540      | 00MOF15101540 | FILM CAP.                                 | 100PF J 100V APSV                     |
| P101        | C315     |             | nsp                | 00MOA22505020 | ELECT. CAP.                               | 2.2 UF M 50V RA-2                     |
| P101        | C316     |             | nsp                | 00MOA22505020 | ELECT. CAP.                               | 2.2 UF M 50V RA-2                     |
| P101        | C317     |             | 00MOF15104040      | 00MOF15104040 | FILM CAP.                                 | 0.1UF 50V +- 5% MTFVA0050J104         |
| P101        | C318     |             | 00MOF15104040      | 00MOF15104040 | FILM CAP.                                 | 0.1UF 50V +- 5% MTFVA0050J104         |
| P101        | C319     |             | nsp                | 00MOA227025R0 | ELECT. CAP.                               | ROA-25V 221M -H5#PE - T2 (220UF 25V)  |
| P101        | C320     |             | nsp                | 00MOA227025R0 | ELECT. CAP.                               | ROA-25V 221M -H5#PE - T2 (220UF 25V)  |
| P101        | C321     |             | nsp                | 00MOA227025R0 | ELECT. CAP.                               | ROA-25V 221M -H5#PE - T2 (220UF 25V)  |
| P101        | C322     |             | nsp                | 00MOA227025R0 | ELECT. CAP.                               | ROA-25V 221M -H5#PE - T2 (220UF 25V)  |
| P101        | C323     |             | nsp                | 00MOA22605020 | ELECT. CAP.                               | 22 UF M 50V RA-2                      |
| P101        | C403     | /K1G        | nsp                | 00MOF55221590 | FILM CAP.                                 | 220PF 200V +- 5% FAS                  |
| P101        | C403     | /N1G        | 00MOF55221590      | 00MOF55221590 | FILM CAP.                                 | 220PF 200V +- 5% FAS                  |
| P101        | C403     | /N1S        | 00MOF55221590      | 00MOF55221590 | FILM CAP.                                 | 220PF 200V +- 5% FAS                  |
| P101        | C404     | /K1G        | nsp                | 00MOF55221590 | FILM CAP.                                 | 220PF 200V +- 5% FAS                  |
| P101        | C404     | /N1G        | 00MOF55221590      | 00MOF55221590 | FILM CAP.                                 | 220PF 200V +- 5% FAS                  |
| P101        | C404     | /N1S        | 00MOF55221590      | 00MOF55221590 | FILM CAP.                                 | 220PF 200V +- 5% FAS                  |
| P101        | C501     |             | nsp                | 00MOA47602520 | ELE T. AP.                                | ROS-25V 470M - G3#PE - T2 (47UF 25V)  |
| P101        | C502     |             | nsp                | 00MOA47602520 | ELECT. CAP.                               | ROS-25V 470M - G3#PE - T2 (47UF 25V)  |
| P101        | C503     |             | nsp                | 00MOA47602520 | ELECT. CAP.                               | ROS-25V 470M - G3#PE - T2 (47UF 25V)  |
| P101        | C504     |             | nsp                | 00MOA47602520 | ELECT. CAP.                               | ROS-25V 470M - G3#PE - T2 (47UF 25V)  |
| P101        | C505     |             | nsp                | 00MOA22602520 | ELECT. CAP.                               | ROS-25V 220M - F3#PE - T2 (22UF 25V)  |
| P101        | C506     |             | nsp                | 00MOA22602520 | ELECT. CAP.                               | ROS-25V 220M - F3#PE - T2 (22UF 25V)  |
| P101        | C511     |             | 00MOF56331540      | 00MOF56331540 | FILM CAP.                                 | STAR(126)100VDC331J7-10               |
| P101        | C512     |             | 00MOF56331540      | 00MOF56331540 | FILM CAP.                                 | STAR(126)100VDC331J7-10               |
| P101        | C513     |             | nsp                | 00MOA47602520 | ELECT. CAP.                               | ROS-25V 470M - G3#PE - T2 (47UF 25V)  |
| P101        | C514     |             | nsp                | 00MOA47602520 | ELECT. CAP.                               | ROS-25V 470M - G3#PE - T2 (47UF 25V)  |
| P101        | C515     |             | nsp                | 00MOA477025R0 | ELECT. CAP.                               | ROA-25V 471M -I6#PE - S13 (470UF 25V) |
| P101        | C516     |             | nsp                | 00MOA477025R0 | ELECT. CAP.                               | ROA-25V 471M -I6#PE - S13 (470UF 25V) |
| P101        | C517     |             | nsp                | 00MOA477025R0 | ELECT. CAP.                               | ROA-25V 471M -I6#PE - S13 (470UF 25V) |
| P101        | C518     |             | nsp                | 00MOA477025R0 | ELECT. CAP.                               | ROA-25V 471M -I6#PE - S13 (470UF 25V) |
| P101        | C519     |             | nsp                | 00MOA227025R0 | ELECT. CAP.                               | ROA-25V 221M -H5#PE - T2 (220UF 25V)  |
| P101        | C520     |             | nsp                | 00MOA227025R0 | ELECT. CAP.                               | ROA-25V 221M -H5#PE - T2 (220UF 25V)  |
| P101        | C521     |             | 00MOF55103580      | 00MOF55103580 | FILM CAP.                                 | 0.01UF 100V +- 5% FNS                 |

NOTE : "nsp" PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

| P.W.B. NAME | POS. NO. | VERS. COLOR | PART NO. (FOR EUR) | PART NO. (MZ) | PART NAME   | DESCRIPTION                          |
|-------------|----------|-------------|--------------------|---------------|-------------|--------------------------------------|
| P101        | C522     |             | 00MOF55103580      | 00MOF55103580 | FILM CAP.   | 0.01UF 100V +- 5% FNS                |
| P101        | C523     |             | nsp                | 00MOA227025R0 | ELECT. CAP. | ROA-25V 221M -H5#PE - T2 (220UF 25V) |
| P101        | CA03     | /K1G        | nsp                | 00MOF55221590 | FILM CAP.   | 220PF 200V +- 5% FAS                 |
| P101        | CA03     | /N1G        | 00MOF55221590      | 00MOF55221590 | FILM CAP.   | 220PF 200V +- 5% FAS                 |
| P101        | CA03     | /N1S        | 00MOF55221590      | 00MOF55221590 | FILM CAP.   | 220PF 200V +- 5% FAS                 |
| P101        | CA04     | /K1G        | nsp                | 00MOF55221590 | FILM CAP.   | 220PF 200V +- 5% FAS                 |
| P101        | CA04     | /N1G        | 00MOF55221590      | 00MOF55221590 | FILM CAP.   | 220PF 200V +- 5% FAS                 |
| P101        | CA04     | /N1S        | 00MOF55221590      | 00MOF55221590 | FILM CAP.   | 220PF 200V +- 5% FAS                 |
| P101        | CA05     |             | nsp                | 00MOA106035Z0 | ELECT. CAP. | ROS-35V 100M - F3#PE - T2 (10UF 35V) |
| P101        | CA06     |             | nsp                | 00MOA106035Z0 | ELECT. CAP. | ROS-35V 100M - F3#PE - T2 (10UF 35V) |
| P101        | CA07     |             | 00MOF56331540      | 00MOF56331540 | FILM CAP.   | STAR(126)100VDC331J7-10              |
| P101        | CA08     |             | 00MOF56331540      | 00MOF56331540 | FILM CAP.   | STAR(126)100VDC331J7-10              |
| P101        | CA09     |             | nsp                | 00MOA226025Z0 | ELECT. CAP. | ROS-25V 220M - F3#PE - T2 (22UF 25V) |
| P101        | CA10     |             | nsp                | 00MOA226025Z0 | ELECT. CAP. | ROS-25V 220M - F3#PE - T2 (22UF 25V) |
| P101        | CA11     |             | nsp                | 00MOA476025R0 | ELECT. CAP. | ROA-25V 470M -G3# - T2               |
| P101        | CA12     |             | nsp                | 00MOA476025R0 | ELECT. CAP. | ROA-25V 470M -G3# - T2               |
| P101        | CA23     | /K1G        | nsp                | 00MOF55221590 | FILM CAP.   | 220PF 200V +- 5% FAS                 |
| P101        | CA23     | /N1G        | 00MOF55221590      | 00MOF55221590 | FILM CAP.   | 220PF 200V +- 5% FAS                 |
| P101        | CA23     | /N1S        | 00MOF55221590      | 00MOF55221590 | FILM CAP.   | 220PF 200V +- 5% FAS                 |
| P101        | CA24     | /K1G        | nsp                | 00MOF55221590 | FILM CAP.   | 220PF 200V +- 5% FAS                 |
| P101        | CA24     | /N1G        | 00MOF55221590      | 00MOF55221590 | FILM CAP.   | 220PF 200V +- 5% FAS                 |
| P101        | CA24     | /N1S        | 00MOF55221590      | 00MOF55221590 | FILM CAP.   | 220PF 200V +- 5% FAS                 |
| P101        | CA25     |             | nsp                | 00MOA106035Z0 | ELECT. CAP. | ROS-35V 100M - F3#PE - T2 10UF 35V   |
| P101        | CA26     |             | nsp                | 00MOA106035Z0 | ELECT. CAP. | ROS-35V 100M - F3#PE - T2 (10UF 35V) |
| P101        | CA27     |             | 00MOF56331540      | 00MOF56331540 | FILM CAP.   | STAR(126)100VDC331J7-10              |
| P101        | CA28     |             | 00MOF56331540      | 00MOF56331540 | FILM CAP.   | STAR(126)100VDC331J7-10              |
| P101        | CA29     |             | nsp                | 00MOA226025Z0 | ELECT. CAP. | ROS-25V 220M - F3#PE - T2 (22UF 25V) |
| P101        | CA30     |             | nsp                | 00MOA226025Z0 | ELECT. CAP. | ROS-25V 220M - F3#PE - T2 (22UF 25V) |
| P101        | CA31     |             | nsp                | 00MOA476025R0 | ELECT. CAP. | ROA-25V 470M -G3# - T2               |
| P101        | CA32     |             | nsp                | 00MOA476025R0 | ELECT. CAP. | ROA-25V 470M -G3# - T2               |
| P101        | CA43     | /K1G        | nsp                | 00MOF55221590 | FILM CAP.   | 220PF 200V +- 5% FAS                 |
| P101        | CA43     | /N1G        | 00MOF55221590      | 00MOF55221590 | FILM CAP.   | 220PF 200V +- 5% FAS                 |
| P101        | CA43     | /N1S        | 00MOF55221590      | 00MOF55221590 | FILM CAP.   | 220PF 200V +- 5% FAS                 |
| P101        | CA44     | /K1G        | nsp                | 00MOF55221590 | FILM CAP.   | 220PF 200V +- 5% FAS                 |
| P101        | CA44     | /N1G        | 00MOF55221590      | 00MOF55221590 | FILM CAP.   | 220PF 200V +- 5% FAS                 |
| P101        | CA44     | /N1S        | 00MOF55221590      | 00MOF55221590 | FILM CAP.   | 220PF 200V +- 5% FAS                 |
| P101        | CA45     |             | nsp                | 00MOA106035Z0 | ELECT. CAP. | ROS-35V 100M - F3#PE - T2 (10UF 35V) |
| P101        | CA46     |             | nsp                | 00MOA106035Z0 | ELECT. CAP. | ROS-35V 100M - F3#PE - T2 (10UF 35V) |
| P101        | CA47     |             | 00MOF56331540      | 00MOF56331540 | FILM CAP.   | STAR(126)100VDC331J7-10              |
| P101        | CA48     |             | 00MOF56331540      | 00MOF56331540 | FILM CAP.   | STAR(126)100VDC331J7-10              |
| P101        | CA49     |             | nsp                | 00MOA226025Z0 | ELECT. CAP. | ROS-25V 220M - F3#PE - T2 (22UF 25V) |
| P101        | CA50     |             | nsp                | 00MOA226025Z0 | ELECT. CAP. | ROS-25V 220M - F3#PE - T2 (22UF 25V) |
| P101        | CA51     |             | nsp                | 00MOA476025R0 | ELECT. CAP. | ROA-25V 470M -G3# - T2               |
| P101        | CA52     |             | nsp                | 00MOA476025R0 | ELECT. CAP. | ROA-25V 470M -G3# - T2               |
| P101        | CA63     | /K1G        | nsp                | 00MOF55221590 | FILM CAP.   | 220PF 200V +- 5% FAS                 |
| P101        | CA63     | /N1G        | 00MOF55221590      | 00MOF55221590 | FILM CAP.   | 220PF 200V +- 5% FAS                 |
| P101        | CA63     | /N1S        | 00MOF55221590      | 00MOF55221590 | FILM CAP.   | 220PF 200V +- 5% FAS                 |
| P101        | CA64     | /K1G        | nsp                | 00MOF55221590 | FILM CAP.   | 220PF 200V +- 5% FAS                 |
| P101        | CA64     | /N1G        | 00MOF55221590      | 00MOF55221590 | FILM CAP.   | 220PF 200V +- 5% FAS                 |
| P101        | CA64     | /N1S        | 00MOF55221590      | 00MOF55221590 | FILM CAP.   | 220PF 200V +- 5% FAS                 |
| P101        | A        |             | nsp                | 00MOA106035Z0 | ELE T. AP.  | ROS-35V 100M - F3#PE - T2 (10UF 35V) |
| P101        | CA66     |             | nsp                | 00MOA106035Z0 | ELECT. CAP. | ROS-35V 100M - F3#PE - T2 (10UF 35V) |
| P101        | CA67     |             | 00MOF55331580      | 00MOF55331580 | FILM CAP.   | 330PF 100V +- 5% FNS                 |
| P101        | CA68     |             | 00MOF55331580      | 00MOF55331580 | FILM CAP.   | 330PF 100V +- 5% FNS                 |
| P101        | CA69     |             | nsp                | 00MOA226025Z0 | ELECT. CAP. | ROS-25V 220M - F3#PE - T2 (22UF 25V) |
| P101        | CA70     |             | nsp                | 00MOA226025Z0 | ELECT. CAP. | ROS-25V 220M - F3#PE - T2 (22UF 25V) |
| P101        | CA71     |             | nsp                | 00MOA476025R0 | ELECT. CAP. | ROA-25V 470M -G3# - T2               |
| P101        | CA72     |             | nsp                | 00MOA476025R0 | ELECT. CAP. | ROA-25V 470M -G3# - T2               |
| P101        | CA83     | /K1G        | nsp                | 00MOF55221590 | FILM CAP.   | 220PF 200V +- 5% FAS                 |
| P101        | CA83     | /N1G        | 00MOF55221590      | 00MOF55221590 | FILM CAP.   | 220PF 200V +- 5% FAS                 |
| P101        | CA83     | /N1S        | 00MOF55221590      | 00MOF55221590 | FILM CAP.   | 220PF 200V +- 5% FAS                 |
| P101        | CA84     | /K1G        | nsp                | 00MOF55221590 | FILM CAP.   | 220PF 200V +- 5% FAS                 |
| P101        | CA84     | /N1G        | 00MOF55221590      | 00MOF55221590 | FILM CAP.   | 220PF 200V +- 5% FAS                 |
| P101        | CA84     | /N1S        | 00MOF55221590      | 00MOF55221590 | FILM CAP.   | 220PF 200V +- 5% FAS                 |
| P101        | CA85     |             | nsp                | 00MOA106035Z0 | ELECT. CAP. | ROS-35V 100M - F3#PE - T2 (10UF 35V) |
| P101        | CA86     |             | nsp                | 00MOA106035Z0 | ELECT. CAP. | ROS-35V 100M - F3#PE - T2 (10UF 35V) |
| P101        | CA87     |             | 00MOF55331580      | 00MOF55331580 | FILM CAP.   | 330PF 100V +- 5% FNS                 |

NOTE : \*nsp\* PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

| P.W.B. NAME | POS. NO. | VERS. COLOR | PART NO. (FOR EUR) | PART NO. (MZ) | PART NAME    | DESCRIPTION                          |
|-------------|----------|-------------|--------------------|---------------|--------------|--------------------------------------|
| P101        | CA88     |             | 00MOF55331580      | 00MOF55331580 | FILM CAP.    | 330PF 100V +- 5% FNS                 |
| P101        | CA89     |             | nsp                | 00MOA226025Z0 | ELECT. CAP.  | ROS-25V 220M - F3#PE - T2 (22UF 25V) |
| P101        | CA90     |             | nsp                | 00MOA226025Z0 | ELECT. CAP.  | ROS-25V 220M - F3#PE - T2 (22UF 25V) |
| P101        | CA91     |             | nsp                | 00MOA476025R0 | ELECT. CAP.  | ROA-25V 470M -G3# - T2               |
| P101        | CA92     |             | nsp                | 00MOA476025R0 | ELECT. CAP.  | ROA-25V 470M -G3# - T2               |
| P101        | D101     |             | nsp                | 00MHD20002000 | DIODE        | 1SS133 T-77                          |
| P101        | D102     |             | nsp                | 00MHD20002000 | DIODE        | 1SS133 T-77                          |
| P101        | D103     |             | nsp                | 00MHD20002000 | DIODE        | 1SS133 T-77                          |
| P101        | D104     |             | nsp                | 00MHD20002000 | DIODE        | 1SS133 T-77                          |
| P101        | D105     |             | nsp                | 00MHD20002000 | DIODE        | 1SS133 T-77                          |
| P101        | D106     |             | nsp                | 00MHD20002000 | DIODE        | 1SS133 T-77                          |
| P101        | D107     |             | nsp                | 00MHD20002000 | DIODE        | 1SS133 T-77                          |
| P101        | D108     |             | nsp                | 00MHD20002000 | DIODE        | 1SS133 T-77                          |
| P101        | D151     |             | nsp                | 00MHD20002000 | DIODE        | 1SS133 T-77                          |
| P101        | D152     |             | nsp                | 00MHD20002000 | DIODE        | 1SS133 T-77                          |
| P101        | D205     |             | 00MHI10115210      | 00MHI10115210 | L.E.D.       | SLR-342VRTB7 RED                     |
| P101        | D206     |             | 00MHI10115210      | 00MHI10115210 | L.E.D.       | SLR-342VRTB7 RED                     |
| P101        | D207     |             | 00MHI10115210      | 00MHI10115210 | L.E.D.       | SLR-342VRTB7 RED                     |
| P101        | D208     |             | 00MHI10115210      | 00MHI10115210 | L.E.D.       | SLR-342VRTB7 RED                     |
| P101        | D209     |             | nsp                | 00MHD20002000 | DIODE        | 1SS133 T-77                          |
| P101        | D210     |             | nsp                | 00MHD20002000 | DIODE        | 1SS133 T-77                          |
| P101        | D211     |             | nsp                | 00MHD20002000 | DIODE        | 1SS133 T-77                          |
| P101        | D305     |             | 00MHD31601000      | 00MHD31601000 | ZENER DIODE  | 16V ZENER EQUIVALENT                 |
| P101        | D306     |             | nsp                | 00MHD20002000 | DIODE        | 1SS133 T-77                          |
| P101        | D505     |             | 00MHI10115210      | 00MHI10115210 | L.E.D.       | SLR-342VRTB7 RED                     |
| P101        | D506     |             | 00MHI10115210      | 00MHI10115210 | L.E.D.       | SLR-342VRTB7 RED                     |
| P101        | D507     |             | 00MHI10115210      | 00MHI10115210 | L.E.D.       | SLR-342VRTB7 RED                     |
| P101        | D508     |             | 00MHI10115210      | 00MHI10115210 | L.E.D.       | SLR-342VRTB7 RED                     |
| P101        | D509     |             | nsp                | 00MHD20002000 | DIODE        | 1SS133 T-77                          |
| P101        | J401     |             | 00MYT02021390      | 00MYT02021390 | TERMINAL     | 2P CINCH JACK (T6743 BLK/BLK)        |
| P101        | JA01     |             | 00MYT02021390      | 00MYT02021390 | TERMINAL     | 2P CINCH JACK (T6743 BLK/BLK)        |
| P101        | JA21     |             | 00MYT02021390      | 00MYT02021390 | TERMINAL     | 2P CINCH JACK (T6743 BLK/BLK)        |
| P101        | JA41     |             | 00MYT02021390      | 00MYT02021390 | TERMINAL     | 2P CINCH JACK (T6743 BLK/BLK)        |
| P101        | JA61     |             | 00MYT02021390      | 00MYT02021390 | TERMINAL     | 2P CINCH JACK (T6743 BLK/BLK)        |
| P101        | JA81     |             | 00MYT02021390      | 00MYT02021390 | TERMINAL     | 2P CINCH JACK (T6743 BLK/BLK)        |
| P101        | L101     |             | 00D2140208003      | 00D2140208003 | RELAY        | RELAY(NA24W-K)                       |
| P101        | L102     |             | 00D2140208003      | 00D2140208003 | RELAY        | RELAY(NA24W-K)                       |
| P101        | L103     |             | 00D2140208003      | 00D2140208003 | RELAY        | RELAY(NA24W-K)                       |
| P101        | L104     |             | 00D2140208003      | 00D2140208003 | RELAY        | RELAY(NA24W-K)                       |
| P101        | L105     |             | 00D2140208003      | 00D2140208003 | RELAY        | RELAY(NA24W-K)                       |
| P101        | L106     |             | 00D2140208003      | 00D2140208003 | RELAY        | RELAY(NA24W-K)                       |
| P101        | L107     |             | 00D2140208003      | 00D2140208003 | RELAY        | RELAY(NA24W-K)                       |
| P101        | L108     |             | 00D2140208003      | 00D2140208003 | RELAY        | RELAY(NA24W-K)                       |
| P101        | L151     |             | 00D2140208003      | 00D2140208003 | RELAY        | RELAY(NA24W-K)                       |
| P101        | L152     |             | 00D2140208003      | 00D2140208003 | RELAY        | RELAY(NA24W-K)                       |
| P101        | L201     |             | 00D2140208003      | 00D2140208003 | RELAY        | RELAY(NA24W-K)                       |
| P101        | L202     |             | 00D2140208003      | 00D2140208003 | RELAY        | RELAY(NA24W-K)                       |
| P101        | L301     |             | 00D2140208003      | 00D2140208003 | RELAY        | RELAY(NA24W-K)                       |
| P101        | L302     |             | 00D2140208003      | 00D2140208003 | RELAY        | RELAY(NA24W-K)                       |
| P101        | L303     |             | 00MFC90050060      | 00MFC90050060 | FERRITE CORE | FERRIT BEADS (B-01-AT1F)             |
| P101        | L501     |             | 00MFC90050060      | 00MFC90050060 | FERRITE CORE | FERRIT BEAD B- 1-AT1F,               |
| P101        | Q101     |             | 00D2690206908      | 00D2690206908 | TRS.         | KRC102M-AT/P (10K-10K)               |
| P101        | Q102     |             | 00D2690206908      | 00D2690206908 | TRS.         | KRC102M-AT/P (10K-10K)               |
| P101        | Q103     |             | 00D2690206908      | 00D2690206908 | TRS.         | KRC102M-AT/P (10K-10K)               |
| P101        | Q104     |             | 00D2690206908      | 00D2690206908 | TRS.         | KRC102M-AT/P (10K-10K)               |
| P101        | Q105     |             | 00D2690206908      | 00D2690206908 | TRS.         | KRC102M-AT/P (10K-10K)               |
| P101        | Q106     |             | 00D2690206908      | 00D2690206908 | TRS.         | KRC102M-AT/P (10K-10K)               |
| P101        | Q107     |             | 00D2690206908      | 00D2690206908 | TRS.         | KRC102M-AT/P (10K-10K)               |
| P101        | Q108     |             | 00D2690206908      | 00D2690206908 | TRS.         | KRC102M-AT/P (10K-10K)               |
| P101        | Q109     |             | 00D2690206908      | 00D2690206908 | TRS.         | KRC102M-AT/P (10K-10K)               |
| P101        | Q121     |             | 00MHC709449B0      | 00MHC709449B0 | IC           | 74HC4094 16PIN DIP                   |
| P101        | Q122     |             | 00MHC709449B0      | 00MHC709449B0 | IC           | 74HC4094 16PIN DIP                   |
| P101        | Q151     |             | 00MHC10053090      | 00MHC10053090 | IC           | IC NJM2068DD MONO ANA                |
| P101        | Q153     |             | 00D2690206908      | 00D2690206908 | TRS.         | KRC102M-AT/P (10K-10K)               |
| P101        | Q154     |             | 00D2690206908      | 00D2690206908 | TRS.         | KRC102M-AT/P (10K-10K)               |
| P101        | Q201     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC  | HDAM-SA3                             |
| P101        | Q202     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC  | HDAM-SA3                             |

NOTE : \*nsp\* PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

| P.W.B. NAME | POS. NO. | VERS. COLOR | PART NO. (FOR EUR) | PART NO. (MZ) | PART NAME   | DESCRIPTION            |
|-------------|----------|-------------|--------------------|---------------|-------------|------------------------|
| P101        | Q203     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)    |
| P101        | Q204     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)    |
| P101        | Q205     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL       |
| P101        | Q206     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL       |
| P101        | Q207     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)    |
| P101        | Q208     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)    |
| P101        | Q209     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL       |
| P101        | Q210     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL       |
| P101        | Q211     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3               |
| P101        | Q212     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3               |
| P101        | Q213     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3               |
| P101        | Q214     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3               |
| P101        | Q215     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3               |
| P101        | Q216     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3               |
| P101        | Q217     |             | 00D2690204900      | 00D2690204900 | TRS.        | KRA102M-AT/P (10K-10K) |
| P101        | Q218     |             | 00D2690206908      | 00D2690206908 | TRS.        | KRC102M-AT/P (10K-10K) |
| P101        | Q219     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)    |
| P101        | Q220     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)    |
| P101        | Q221     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL       |
| P101        | Q222     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL       |
| P101        | Q301     |             | 00MHC12247090      | 00MHC12247090 | IC          | NJU7312AM ANALOG SW    |
| P101        | Q302     |             | 00MHC12247090      | 00MHC12247090 | IC          | NJU7312AM ANALOG SW    |
| P101        | Q303     |             | 00MHC10053090      | 00MHC10053090 | IC          | IC NJM2068DD MONO ANA  |
| P101        | Q304     |             | 00MHC10053090      | 00MHC10053090 | IC          | IC NJM2068DD MONO ANA  |
| P101        | Q305     |             | 00MHC10053090      | 00MHC10053090 | IC          | IC NJM2068DD MONO ANA  |
| P101        | Q306     |             | 00MHC10053090      | 00MHC10053090 | IC          | IC NJM2068DD MONO ANA  |
| P101        | Q307     |             | 00D2690206908      | 00D2690206908 | TRS.        | KRC102M-AT/P (10K-10K) |
| P101        | Q308     |             | 00D2690206908      | 00D2690206908 | TRS.        | KRC102M-AT/P (10K-10K) |
| P101        | Q309     |             | 00D2690206908      | 00D2690206908 | TRS.        | KRC102M-AT/P (10K-10K) |
| P101        | Q310     |             | 00D2690206908      | 00D2690206908 | TRS.        | KRC102M-AT/P (10K-10K) |
| P101        | Q311     |             | 00D2690206908      | 00D2690206908 | TRS.        | KRC102M-AT/P (10K-10K) |
| P101        | Q501     |             | 00MHC10211990      | 00MHC10211990 | IC          | WM8816EDW              |
| P101        | Q502     |             | 00MHC10211990      | 00MHC10211990 | IC          | WM8816EDW              |
| P101        | Q503     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3               |
| P101        | Q504     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3               |
| P101        | Q505     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3               |
| P101        | Q506     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3               |
| P101        | Q507     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)    |
| P101        | Q508     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)    |
| P101        | Q509     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL       |
| P101        | Q510     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL       |
| P101        | Q511     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)    |
| P101        | Q512     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)    |
| P101        | Q513     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL       |
| P101        | Q514     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL       |
| P101        | Q515     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3               |
| P101        | Q516     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3               |
| P101        | Q517     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)    |
| P101        | Q518     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)    |
| P101        | Q519     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL       |
| P101        | Q520     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL       |
| P101        | QA01     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3               |
| P101        | QA02     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3               |
| P101        | QA21     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3               |
| P101        | QA22     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3               |
| P101        | QA41     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3               |
| P101        | QA42     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3               |
| P101        | QA61     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3               |
| P101        | QA62     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3               |
| P101        | QA81     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3               |
| P101        | QA82     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3               |
| P101        | R121     |             | nsp                | 00MGD05473160 | RES.        | 47K OHM +- 5% 1/6W     |
| P101        | R122     |             | nsp                | 00MGD05101160 | RES.        | 100 OHM +- 5% 1/6W     |
| P101        | R123     |             | nsp                | 00MGD05473160 | RES.        | 47K OHM +- 5% 1/6W     |
| P101        | R124     |             | nsp                | 00MGD05101160 | RES.        | 100 OHM +- 5% 1/6W     |
| P101        | R125     |             | nsp                | 00MGD05101160 | RES.        | 100 OHM +- 5% 1/6W     |
| P101        | R151     |             | nsp                | 00MGD05101160 | RES.        | 100 OHM +- 5% 1/6W     |

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| P.W.B. NAME | POS. NO. | VERS. COLOR | PART NO. (FOR EUR) | PART NO. (MZ) | PART NAME | DESCRIPTION         |
|-------------|----------|-------------|--------------------|---------------|-----------|---------------------|
| P101        | R152     |             | nsp                | 00MGD05101160 | RES.      | 100 OHM +- 5% 1/6W  |
| P101        | R153     |             | nsp                | 00MGD05104160 | RES.      | 100K OHM +- 5% 1/6W |
| P101        | R154     |             | nsp                | 00MGD05104160 | RES.      | 100K OHM +- 5% 1/6W |
| P101        | R155     |             | nsp                | 00MGD05102160 | RES.      | 1K OHM +- 5% 1/6W   |
| P101        | R156     |             | nsp                | 00MGD05102160 | RES.      | 1K OHM +- 5% 1/6W   |
| P101        | R157     |             | nsp                | 00MGD05104160 | RES.      | 100K OHM +- 5% 1/6W |
| P101        | R158     |             | nsp                | 00MGD05104160 | RES.      | 100K OHM +- 5% 1/6W |
| P101        | R161     |             | nsp                | 00MGD05561160 | RES.      | 560 OHM +- 5% 1/6W  |
| P101        | R162     |             | nsp                | 00MGD05561160 | RES.      | 560 OHM +- 5% 1/6W  |
| P101        | R163     |             | nsp                | 00MGD05561160 | RES.      | 560 OHM +- 5% 1/6W  |
| P101        | R164     |             | nsp                | 00MGD05561160 | RES.      | 560 OHM +- 5% 1/6W  |
| P101        | R203     |             | nsp                | 00MGD05000160 | RES.      | 0 OHM +- 5% 1/6W    |
| P101        | R204     |             | nsp                | 00MGD05000160 | RES.      | 0 OHM +- 5% 1/6W    |
| P101        | R205     |             | nsp                | 00MGD05102160 | RES.      | 1K OHM +- 5% 1/6W   |
| P101        | R206     |             | nsp                | 00MGD05102160 | RES.      | 1K OHM +- 5% 1/6W   |
| P101        | R209     |             | nsp                | 00MGD05471160 | RES.      | 470 OHM +- 5% 1/6W  |
| P101        | R210     |             | nsp                | 00MGD05471160 | RES.      | 470 OHM +- 5% 1/6W  |
| P101        | R211     |             | nsp                | 00MGD05471160 | RES.      | 470 OHM +- 5% 1/6W  |
| P101        | R212     |             | nsp                | 00MGD05471160 | RES.      | 470 OHM +- 5% 1/6W  |
| P101        | R213     |             | nsp                | 00MGD05221160 | RES.      | 220 OHM +- 5% 1/6W  |
| P101        | R214     |             | nsp                | 00MGD05221160 | RES.      | 220 OHM +- 5% 1/6W  |
| P101        | R215     |             | nsp                | 00MGD05221160 | RES.      | 220 OHM +- 5% 1/6W  |
| P101        | R216     |             | nsp                | 00MGD05221160 | RES.      | 220 OHM +- 5% 1/6W  |
| P101        | R217     |             | nsp                | 00MGD05104160 | RES.      | 100K OHM +- 5% 1/6W |
| P101        | R218     |             | nsp                | 00MGD05104160 | RES.      | 100K OHM +- 5% 1/6W |
| P101        | R219     |             | nsp                | 00MGD05105160 | RES.      | 1M OHM +- 5% 1/6W   |
| P101        | R220     |             | nsp                | 00MGD05105160 | RES.      | 1M OHM +- 5% 1/6W   |
| P101        | R221     |             | nsp                | 00MGD05101160 | RES.      | 100 OHM +- 5% 1/6W  |
| P101        | R222     |             | nsp                | 00MGD05101160 | RES.      | 100 OHM +- 5% 1/6W  |
| P101        | R223     |             | nsp                | 00MGD05562160 | RES.      | 5.6K OHM +- 5% 1/6W |
| P101        | R224     |             | nsp                | 00MGD05562160 | RES.      | 5.6K OHM +- 5% 1/6W |
| P101        | R225     |             | nsp                | 00MGD05222160 | RES.      | 2.2K OHM +- 5% 1/6W |
| P101        | R226     |             | nsp                | 00MGD05222160 | RES.      | 2.2K OHM +- 5% 1/6W |
| P101        | R227     |             | nsp                | 00MGD05223160 | RES.      | 22K OHM +- 5% 1/6W  |
| P101        | R228     |             | nsp                | 00MGD05223160 | RES.      | 22K OHM +- 5% 1/6W  |
| P101        | R229     |             | nsp                | 00MGD05101160 | RES.      | 100 OHM +- 5% 1/6W  |
| P101        | R230     |             | nsp                | 00MGD05101160 | RES.      | 100 OHM +- 5% 1/6W  |
| P101        | R231     |             | nsp                | 00MGD05104160 | RES.      | 100K OHM +- 5% 1/6W |
| P101        | R232     |             | nsp                | 00MGD05104160 | RES.      | 100K OHM +- 5% 1/6W |
| P101        | R233     |             | nsp                | 00MGD05221160 | RES.      | 220 OHM +- 5% 1/6W  |
| P101        | R234     |             | nsp                | 00MGD05221160 | RES.      | 220 OHM +- 5% 1/6W  |
| P101        | ▲R235    |             | 00MGG05220160      | 00MGG05220160 | RES.      | ! 22 OHM +- 5% 1/6W |
| P101        | ▲R236    |             | 00MGG05220160      | 00MGG05220160 | RES.      | ! 22 OHM +- 5% 1/6W |
| P101        | ▲R237    |             | 00MGG05220160      | 00MGG05220160 | RES.      | ! 22 OHM +- 5% 1/6W |
| P101        | ▲R238    |             | 00MGG05220160      | 00MGG05220160 | RES.      | ! 22 OHM +- 5% 1/6W |
| P101        | R240     |             | nsp                | 00MGD05103160 | RES.      | 10K OHM +- 5% 1/6W  |
| P101        | R241     |             | nsp                | 00MGD05102160 | RES.      | 1K OHM +- 5% 1/6W   |
| P101        | R242     |             | nsp                | 00MGD05102160 | RES.      | 1K OHM +- 5% 1/6W   |
| P101        | R243     |             | nsp                | 00MGD05103160 | RES.      | 10K OHM +- 5% 1/6W  |
| P101        | R244     |             | nsp                | 00MGD05103160 | RES.      | 10K OHM +- 5% 1/6W  |
| P101        | R301     |             | nsp                | 00MGD05104160 | RES.      | 100K OHM +- 5% 1/6W |
| P101        | R302     |             | nsp                | 00MGD05104160 | RES.      | 100K OHM +- 5% 1/6W |
| P101        | R303     |             | nsp                | 00MGD05104160 | RES.      | 100K OHM +- 5% 1/6W |
| P101        | R304     |             | nsp                | 00MGD05104160 | RES.      | 100K OHM +- 5% 1/6W |
| P101        | R305     |             | nsp                | 00MGD05332160 | RES.      | 3.3K OHM +- 5% 1/6W |
| P101        | R306     |             | nsp                | 00MGD05332160 | RES.      | 3.3K OHM +- 5% 1/6W |
| P101        | R307     |             | nsp                | 00MGD05332160 | RES.      | 3.3K OHM +- 5% 1/6W |
| P101        | R308     |             | nsp                | 00MGD05332160 | RES.      | 3.3K OHM +- 5% 1/6W |
| P101        | R309     |             | nsp                | 00MGD05104160 | RES.      | 100K OHM +- 5% 1/6W |
| P101        | R310     |             | nsp                | 00MGD05104160 | RES.      | 100K OHM +- 5% 1/6W |
| P101        | R313     |             | nsp                | 00MGD05103160 | RES.      | 10K OHM +- 5% 1/6W  |
| P101        | R314     |             | nsp                | 00MGD05103160 | RES.      | 10K OHM +- 5% 1/6W  |
| P101        | R315     |             | nsp                | 00MGD05103160 | RES.      | 10K OHM +- 5% 1/6W  |
| P101        | R316     |             | nsp                | 00MGD05103160 | RES.      | 10K OHM +- 5% 1/6W  |
| P101        | R317     |             | nsp                | 00MGD05222160 | RES.      | 2.2K OHM +- 5% 1/6W |
| P101        | R318     |             | nsp                | 00MGD05222160 | RES.      | 2.2K OHM +- 5% 1/6W |
| P101        | R319     |             | nsp                | 00MGD05392160 | RES.      | 3.9K OHM +- 5% 1/6W |

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| P.W.B. NAME | POS. NO. | VERS. COLOR | PART NO. (FOR EUR) | PART NO. (MZ) | PART NAME | DESCRIPTION          |
|-------------|----------|-------------|--------------------|---------------|-----------|----------------------|
| P101        | R320     |             | nsp                | 00MGD05392160 | RES.      | 3.9K OHM +- 5% 1/6W  |
| P101        | R321     |             | nsp                | 00MGD05562160 | RES.      | 5.6K OHM +- 5% 1/6W  |
| P101        | R322     |             | nsp                | 00MGD05562160 | RES.      | 5.6K OHM +- 5% 1/6W  |
| P101        | R323     |             | nsp                | 00MGD05562160 | RES.      | 5.6K OHM +- 5% 1/6W  |
| P101        | R324     |             | nsp                | 00MGD05562160 | RES.      | 5.6K OHM +- 5% 1/6W  |
| P101        | R325     |             | nsp                | 00MGD05392160 | RES.      | 3.9K OHM +- 5% 1/6W  |
| P101        | R326     |             | nsp                | 00MGD05392160 | RES.      | 3.9K OHM +- 5% 1/6W  |
| P101        | R327     |             | nsp                | 00MGD05222160 | RES.      | 2.2K OHM +- 5% 1/6W  |
| P101        | R328     |             | nsp                | 00MGD05222160 | RES.      | 2.2K OHM +- 5% 1/6W  |
| P101        | R329     |             | nsp                | 00MGD05102160 | RES.      | 1K OHM +- 5% 1/6W    |
| P101        | R330     |             | nsp                | 00MGD05102160 | RES.      | 1K OHM +- 5% 1/6W    |
| P101        | R331     |             | nsp                | 00MGD05102160 | RES.      | 1K OHM +- 5% 1/6W    |
| P101        | R332     |             | nsp                | 00MGD05102160 | RES.      | 1K OHM +- 5% 1/6W    |
| P101        | R335     |             | nsp                | 00MGD05103160 | RES.      | 10K OHM +- 5% 1/6W   |
| P101        | R336     |             | nsp                | 00MGD05103160 | RES.      | 10K OHM +- 5% 1/6W   |
| P101        | R337     |             | nsp                | 00MGD05103160 | RES.      | 10K OHM +- 5% 1/6W   |
| P101        | R338     |             | nsp                | 00MGD05103160 | RES.      | 10K OHM +- 5% 1/6W   |
| P101        | R339     |             | nsp                | 00MGD05222160 | RES.      | 2.2K OHM +- 5% 1/6W  |
| P101        | R340     |             | nsp                | 00MGD05222160 | RES.      | 2.2K OHM +- 5% 1/6W  |
| P101        | R341     |             | nsp                | 00MGD05392160 | RES.      | 3.9K OHM +- 5% 1/6W  |
| P101        | R342     |             | nsp                | 00MGD05392160 | RES.      | 3.9K OHM +- 5% 1/6W  |
| P101        | R343     |             | nsp                | 00MGD05562160 | RES.      | 5.6K OHM +- 5% 1/6W  |
| P101        | R344     |             | nsp                | 00MGD05562160 | RES.      | 5.6K OHM +- 5% 1/6W  |
| P101        | R345     |             | nsp                | 00MGD05562160 | RES.      | 5.6K OHM +- 5% 1/6W  |
| P101        | R346     |             | nsp                | 00MGD05562160 | RES.      | 5.6K OHM +- 5% 1/6W  |
| P101        | R347     |             | nsp                | 00MGD05392160 | RES.      | 3.9K OHM +- 5% 1/6W  |
| P101        | R348     |             | nsp                | 00MGD05392160 | RES.      | 3.9K OHM +- 5% 1/6W  |
| P101        | R349     |             | nsp                | 00MGD05222160 | RES.      | 2.2K OHM +- 5% 1/6W  |
| P101        | R350     |             | nsp                | 00MGD05222160 | RES.      | 2.2K OHM +- 5% 1/6W  |
| P101        | R351     |             | nsp                | 00MGD05102160 | RES.      | 1K OHM +- 5% 1/6W    |
| P101        | R352     |             | nsp                | 00MGD05102160 | RES.      | 1K OHM +- 5% 1/6W    |
| P101        | R353     |             | nsp                | 00MGD05102160 | RES.      | 1K OHM +- 5% 1/6W    |
| P101        | R354     |             | nsp                | 00MGD05102160 | RES.      | 1K OHM +- 5% 1/6W    |
| P101        | R357     |             | nsp                | 00MGD05101160 | RES.      | 100 OHM +- 5% 1/6W   |
| P101        | R358     |             | nsp                | 00MGD05101160 | RES.      | 100 OHM +- 5% 1/6W   |
| P101        | R359     |             | nsp                | 00MGD05104160 | RES.      | 100K OHM +- 5% 1/6W  |
| P101        | R360     |             | nsp                | 00MGD05104160 | RES.      | 100K OHM +- 5% 1/6W  |
| P101        | R361     |             | nsp                | 00MGD05102160 | RES.      | 1K OHM +- 5% 1/6W    |
| P101        | R362     |             | nsp                | 00MGD05102160 | RES.      | 1K OHM +- 5% 1/6W    |
| P101        | R363     |             | nsp                | 00MGD05563160 | RES.      | 56K OHM +- 5% 1/6W   |
| P101        | R364     |             | nsp                | 00MGD05563160 | RES.      | 56K OHM +- 5% 1/6W   |
| P101        | R365     |             | nsp                | 00MGD05102160 | RES.      | 1K OHM +- 5% 1/6W    |
| P101        | R366     |             | nsp                | 00MGD05102160 | RES.      | 1K OHM +- 5% 1/6W    |
| P101        | R367     |             | nsp                | 00MGD05563160 | RES.      | 56K OHM +- 5% 1/6W   |
| P101        | R368     |             | nsp                | 00MGD05563160 | RES.      | 56K OHM +- 5% 1/6W   |
| P101        | ▲R369    |             | 00MGG05681160      | 00MGG05681160 | RES.      | ! 680 OHM +- 5% 1/6W |
| P101        | ▲R370    |             | 00MGG05681160      | 00MGG05681160 | RES.      | ! 680 OHM +- 5% 1/6W |
| P101        | ▲R371    |             | 00MGG05681160      | 00MGG05681160 | RES.      | ! 680 OHM +- 5% 1/6W |
| P101        | ▲R372    |             | 00MGG05681160      | 00MGG05681160 | RES.      | ! 680 OHM +- 5% 1/6W |
| P101        | R373     |             | nsp                | 00MGD05473160 | RES.      | 47K OHM +- 5% 1/6W   |
| P101        | R374     |             | nsp                | 00MGD05473160 | RES.      | 47K HM +- 1 W        |
| P101        | R375     |             | nsp                | 00MGD05473160 | RES.      | 47K OHM +- 5% 1/6W   |
| P101        | R376     |             | nsp                | 00MGD05473160 | RES.      | 47K OHM +- 5% 1/6W   |
| P101        | R377     |             | nsp                | 00MGD05103160 | RES.      | 10K OHM +- 5% 1/6W   |
| P101        | R378     |             | nsp                | 00MGD05103160 | RES.      | 10K OHM +- 5% 1/6W   |
| P101        | R501     |             | nsp                | 00MGD05103160 | RES.      | 10K OHM +- 5% 1/6W   |
| P101        | R502     |             | nsp                | 00MGD05103160 | RES.      | 10K OHM +- 5% 1/6W   |
| P101        | R503     |             | nsp                | 00MGD05000160 | RES.      | 0 OHM +- 5% 1/6W     |
| P101        | R504     |             | nsp                | 00MGD05000160 | RES.      | 0 OHM +- 5% 1/6W     |
| P101        | R505     |             | nsp                | 00MGD05000160 | RES.      | 0 OHM +- 5% 1/6W     |
| P101        | R506     |             | nsp                | 00MGD05000160 | RES.      | 0 OHM +- 5% 1/6W     |
| P101        | R507     |             | nsp                | 00MGD05101160 | RES.      | 100 OHM +- 5% 1/6W   |
| P101        | R508     |             | nsp                | 00MGD05101160 | RES.      | 100 OHM +- 5% 1/6W   |
| P101        | R509     |             | nsp                | 00MGD05471160 | RES.      | 470 OHM +- 5% 1/6W   |
| P101        | R510     |             | nsp                | 00MGD05471160 | RES.      | 470 OHM +- 5% 1/6W   |
| P101        | R511     |             | nsp                | 00MGD05471160 | RES.      | 470 OHM +- 5% 1/6W   |
| P101        | R512     |             | nsp                | 00MGD05471160 | RES.      | 470 OHM +- 5% 1/6W   |

NOTE : \*nsp\* PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

| P.W.B. NAME | POS. NO. | VERS. COLOR | PART NO. (FOR EUR) | PART NO. (MZ) | PART NAME                                       | DESCRIPTION         |
|-------------|----------|-------------|--------------------|---------------|---|---------------------|
| P101        | R513     |             | nsp                | 00MGD05221160 | RES.  | 220 OHM +- 5% 1/6W  |
| P101        | R514     |             | nsp                | 00MGD05221160 | RES.  | 220 OHM +- 5% 1/6W  |
| P101        | R515     |             | nsp                | 00MGD05221160 | RES.  | 220 OHM +- 5% 1/6W  |
| P101        | R516     |             | nsp                | 00MGD05221160 | RES.  | 220 OHM +- 5% 1/6W  |
| P101        | R517     |             | nsp                | 00MGD05104160 | RES.  | 100K OHM +- 5% 1/6W |
| P101        | R518     |             | nsp                | 00MGD05104160 | RES.  | 100K OHM +- 5% 1/6W |
| P101        | R519     |             | nsp                | 00MGD05105160 | RES.  | 1M OHM +- 5% 1/6W   |
| P101        | R520     |             | nsp                | 00MGD05105160 | RES.  | 1M OHM +- 5% 1/6W   |
| P101        | R521     |             | nsp                | 00MGD05101160 | RES.  | 100 OHM +- 5% 1/6W  |
| P101        | R522     |             | nsp                | 00MGD05101160 | RES.  | 100 OHM +- 5% 1/6W  |
| P101        | R523     |             | nsp                | 00MGD05000160 | RES.  | 0 OHM +- 5% 1/6W    |
| P101        | R524     |             | nsp                | 00MGD05000160 | RES.  | 0 OHM +- 5% 1/6W    |
| P101        | R533     |             | nsp                | 00MGD05103160 | RES.  | 10K OHM +- 5% 1/6W  |
| P101        | R534     |             | nsp                | 00MGD05103160 | RES.  | 10K OHM +- 5% 1/6W  |
| P101        | R535     |             | nsp                | 00MGD05104160 | RES.  | 100K OHM +- 5% 1/6W |
| P101        | R536     |             | nsp                | 00MGD05104160 | RES.  | 100K OHM +- 5% 1/6W |
| P101        | R537     |             | nsp                | 00MGD05101160 | RES.  | 100 OHM +- 5% 1/6W  |
| P101        | R538     |             | nsp                | 00MGD05101160 | RES.  | 100 OHM +- 5% 1/6W  |
| P101        | R543     |             | nsp                | 00MGD05000160 | RES.  | 0 OHM +- 5% 1/6W    |
| P101        | R544     |             | nsp                | 00MGD05000160 | RES.  | 0 OHM +- 5% 1/6W    |
| P101        | R546     |             | nsp                | 00MGD05472160 | RES.  | 4.7K OHM +- 5% 1/6W |
| P101        | R547     |             | nsp                | 00MGD05472160 | RES.  | 4.7K OHM +- 5% 1/6W |
| P101        | R548     |             | nsp                | 00MGD05472160 | RES.  | 4.7K OHM +- 5% 1/6W |
| P101        | R549     |             | nsp                | 00MGD05472160 | RES.  | 4.7K OHM +- 5% 1/6W |
| P101        | R550     |             | nsp                | 00MGD05472160 | RES.  | 4.7K OHM +- 5% 1/6W |
| P101        | RA01     |             | nsp                | 00MGD05224160 | RES.  | 220K OHM +- 5% 1/6W |
| P101        | RA02     |             | nsp                | 00MGD05224160 | RES.  | 220K OHM +- 5% 1/6W |
| P101        | RA03     |             | nsp                | 00MGD05223160 | RES.  | 22K OHM +- 5% 1/6W  |
| P101        | RA04     |             | nsp                | 00MGD05223160 | RES.  | 22K OHM +- 5% 1/6W  |
| P101        | RA05     |             | nsp                | 00MGD05331160 | RES.  | 330 OHM +- 5% 1/6W  |
| P101        | RA06     |             | nsp                | 00MGD05331160 | RES.  | 330 OHM +- 5% 1/6W  |
| P101        | RA07     |             | nsp                | 00MGD05104160 | RES.  | 100K OHM +- 5% 1/6W |
| P101        | RA08     |             | nsp                | 00MGD05104160 | RES.  | 100K OHM +- 5% 1/6W |
| P101        | RA21     |             | nsp                | 00MGD05224160 | RES.  | 220K OHM +- 5% 1/6W |
| P101        | RA22     |             | nsp                | 00MGD05224160 | RES.  | 220K OHM +- 5% 1/6W |
| P101        | RA23     |             | nsp                | 00MGD05223160 | RES.  | 22K OHM +- 5% 1/6W  |
| P101        | RA24     |             | nsp                | 00MGD05223160 | RES.  | 22K OHM +- 5% 1/6W  |
| P101        | RA25     |             | nsp                | 00MGD05331160 | RES.  | 330 OHM +- 5% 1/6W  |
| P101        | RA26     |             | nsp                | 00MGD05331160 | RES.  | 330 OHM +- 5% 1/6W  |
| P101        | RA27     |             | nsp                | 00MGD05104160 | RES.  | 100K OHM +- 5% 1/6W |
| P101        | RA28     |             | nsp                | 00MGD05104160 | RES.  | 100K OHM +- 5% 1/6W |
| P101        | RA41     |             | nsp                | 00MGD05224160 | RES.  | 220K OHM +- 5% 1/6W |
| P101        | RA42     |             | nsp                | 00MGD05224160 | RES.  | 220K OHM +- 5% 1/6W |
| P101        | RA43     |             | nsp                | 00MGD05223160 | RES.  | 22K OHM +- 5% 1/6W  |
| P101        | RA44     |             | nsp                | 00MGD05223160 | RES.  | 22K OHM +- 5% 1/6W  |
| P101        | RA45     |             | nsp                | 00MGD05331160 | RES.  | 330 OHM +- 5% 1/6W  |
| P101        | RA46     |             | nsp                | 00MGD05331160 | RES.  | 330 OHM +- 5% 1/6W  |
| P101        | RA47     |             | nsp                | 00MGD05104160 | RES.  | 100K OHM +- 5% 1/6W |
| P101        | RA48     |             | nsp                | 00MGD05104160 | RES.  | 100K OHM +- 5% 1/6W |
| P101        | RA61     |             | nsp                | 00MGD05224160 | RES.  | 220K OHM +- 5% 1/6W |
| P101        | RA62     |             | nsp                | 00MGD05224160 | RES.  | 22 K HM +- 1 W      |
| P101        | RA63     |             | nsp                | 00MGD05223160 | RES.  | 22K OHM +- 5% 1/6W  |
| P101        | RA64     |             | nsp                | 00MGD05223160 | RES.  | 22K OHM +- 5% 1/6W  |
| P101        | RA65     |             | nsp                | 00MGD05331160 | RES.  | 330 OHM +- 5% 1/6W  |
| P101        | RA66     |             | nsp                | 00MGD05331160 | RES.  | 330 OHM +- 5% 1/6W  |
| P101        | RA67     |             | nsp                | 00MGD05104160 | RES.  | 100K OHM +- 5% 1/6W |
| P101        | RA68     |             | nsp                | 00MGD05104160 | RES.  | 100K OHM +- 5% 1/6W |
| P101        | RA81     |             | nsp                | 00MGD05224160 | RES.  | 220K OHM +- 5% 1/6W |
| P101        | RA82     |             | nsp                | 00MGD05224160 | RES.  | 220K OHM +- 5% 1/6W |
| P101        | RA83     |             | nsp                | 00MGD05223160 | RES.  | 22K OHM +- 5% 1/6W  |
| P101        | RA84     |             | nsp                | 00MGD05223160 | RES.  | 22K OHM +- 5% 1/6W  |
| P101        | RA85     |             | nsp                | 00MGD05331160 | RES.  | 330 OHM +- 5% 1/6W  |
| P101        | RA86     |             | nsp                | 00MGD05331160 | RES.  | 330 OHM +- 5% 1/6W  |
| P101        | RA87     |             | nsp                | 00MGD05104160 | RES.  | 100K OHM +- 5% 1/6W |
| P101        | RA88     |             | nsp                | 00MGD05104160 | RES.  | 100K OHM +- 5% 1/6W |
|             |          |             |                    |               | <b>PHONO/BALANCE PWB (P401) (00MWG04AJ702-)</b> |                     |
| P401        | C405     |             | 00MOF55102570      | 00MOF55102570 | FILM CAP.                                       | DTG 1000PF 100V     |

NOTE : "nsp" PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

| P.W.B. NAME | POS. NO. | VERS. COLOR | PART NO. (FOR EUR) | PART NO. (MZ) | PART NAME   | DESCRIPTION                           |
|-------------|----------|-------------|--------------------|---------------|-------------|---------------------------------------|
| P401        | C406     |             | 00MOF55102570      | 00MOF55102570 | FILM CAP.   | DTG 1000PF 100V                       |
| P401        | C407     |             | 00MOF55101560      | 00MOF55101560 | FILM CAP.   | DAMG 100PF 630V                       |
| P401        | C408     |             | 00MOF55101560      | 00MOF55101560 | FILM CAP.   | DAMG 100PF 630V                       |
| P401        | C409     |             | nsp                | 00MOA106035Z0 | ELECT. CAP. | ROS-35V 100M - F3#PE - T2 (10UF 35V)  |
| P401        | C410     |             | nsp                | 00MOA106035Z0 | ELECT. CAP. | ROS-35V 100M - F3#PE - T2 (10UF 35V)  |
| P401        | C411     |             | nsp                | 00MOA47801040 | ELECT. CAP. | RFO-10V472MJ6P#-S1                    |
| P401        | C412     |             | nsp                | 00MOA47801040 | ELECT. CAP. | RFO-10V472MJ6P#-S1                    |
| P401        | C413     |             | 00MOF55103580      | 00MOF55103580 | FILM CAP.   | 0.01UF 100V +- 5% FNS                 |
| P401        | C414     |             | 00MOF55103580      | 00MOF55103580 | FILM CAP.   | 0.01UF 100V +- 5% FNS                 |
| P401        | C415     |             | 00MOF55393580      | 00MOF55393580 | FILM CAP.   | 0.039UF 100V +- 5% FAS                |
| P401        | C416     |             | 00MOF55393580      | 00MOF55393580 | FILM CAP.   | 0.039UF 100V +- 5% FAS                |
| P401        | C417     |             | 00MOF55103580      | 00MOF55103580 | FILM CAP.   | 0.01UF 100V +- 5% FNS                 |
| P401        | C418     |             | 00MOF55103580      | 00MOF55103580 | FILM CAP.   | 0.01UF 100V +- 5% FNS                 |
| P401        | C419     |             | 00MOF55332580      | 00MOF55332580 | FILM CAP.   | 3300PF 100V FNS                       |
| P401        | C420     |             | 00MOF55332580      | 00MOF55332580 | FILM CAP.   | 3300PF 100V FNS                       |
| P401        | C421     |             | 00MOF55681580      | 00MOF55681580 | FILM CAP.   | 680PF 100V +-5% FNS                   |
| P401        | C422     |             | 00MOF55681580      | 00MOF55681580 | FILM CAP.   | 680PF 100V +-5% FNS                   |
| P401        | C423     |             | nsp                | 00MOA47801040 | ELECT. CAP. | RFO-10V472MJ6P#-S1                    |
| P401        | C424     |             | nsp                | 00MOA47801040 | ELECT. CAP. | RFO-10V472MJ6P#-S1                    |
| P401        | C427     |             | nsp                | 00MOA477025R0 | ELECT. CAP. | ROA-25V 471M -16#PE - S13 (470UF 25V) |
| P401        | C428     |             | nsp                | 00MOA477025R0 | ELECT. CAP. | ROA-25V 471M -16#PE - S13 (470UF 25V) |
| P401        | C429     |             | nsp                | 00MOA477025R0 | ELECT. CAP. | ROA-25V 471M -16#PE - S13 (470UF 25V) |
| P401        | C430     |             | nsp                | 00MOA477025R0 | ELECT. CAP. | ROA-25V 471M -16#PE - S13 (470UF 25V) |
| P401        | C431     |             | nsp                | 00MOA106035Z0 | ELECT. CAP. | ROS-35V 100M - F3#PE - T2 (10UF 35V)  |
| P401        | C432     |             | nsp                | 00MOA106035Z0 | ELECT. CAP. | ROS-35V 100M - F3#PE - T2 (10UF 35V)  |
| P401        | C433     |             | 00MOF55681580      | 00MOF55681580 | FILM CAP.   | 680PF 100V +-5% FNS                   |
| P401        | C434     |             | 00MOF55681580      | 00MOF55681580 | FILM CAP.   | 680PF 100V +-5% FNS                   |
| P401        | C435     |             | nsp                | 00MOA106035Z0 | ELECT. CAP. | ROS-35V 100M - F3#PE - T2 (10UF 35V)  |
| P401        | CC07     |             | nsp                | 00MOA106035Z0 | ELECT. CAP. | ROS-35V 100M - F3#PE - T2 (10UF 35V)  |
| P401        | CC08     |             | nsp                | 00MOA106035Z0 | ELECT. CAP. | ROS-35V 100M - F3#PE - T2 (10UF 35V)  |
| P401        | CC09     |             | nsp                | 00MOA106035Z0 | ELECT. CAP. | ROS-35V 100M - F3#PE - T2 (10UF 35V)  |
| P401        | CC10     |             | nsp                | 00MOA106035Z0 | ELECT. CAP. | ROS-35V 100M - F3#PE - T2 (10UF 35V)  |
| P401        | CC11     |             | 00MOF56331540      | 00MOF56331540 | FILM CAP.   | STAR(126)100VDC331J7-10               |
| P401        | CC12     |             | 00MOF56331540      | 00MOF56331540 | FILM CAP.   | STAR(126)100VDC331J7-10               |
| P401        | CC13     |             | 00MOF56331540      | 00MOF56331540 | FILM CAP.   | STAR(126)100VDC331J7-10               |
| P401        | CC14     |             | 00MOF56331540      | 00MOF56331540 | FILM CAP.   | STAR(126)100VDC331J7-10               |
| P401        | CC15     |             | nsp                | 00MOA227025R0 | ELECT. CAP. | ROA-25V 221M -H5#PE - T2 (220UF 25V)  |
| P401        | CC16     |             | nsp                | 00MOA227025R0 | ELECT. CAP. | ROA-25V 221M -H5#PE - T2 (220UF 25V)  |
| P401        | CC17     |             | nsp                | 00MOA227025R0 | ELECT. CAP. | ROA-25V 221M -H5#PE - T2 (220UF 25V)  |
| P401        | CC18     |             | nsp                | 00MOA227025R0 | ELECT. CAP. | ROA-25V 221M -H5#PE - T2 (220UF 25V)  |
| P401        | CC19     |             | 00MOF56331540      | 00MOF56331540 | FILM CAP.   | STAR(126)100VDC331J7-10               |
| P401        | CC20     |             | 00MOF56331540      | 00MOF56331540 | FILM CAP.   | STAR(126)100VDC331J7-10               |
| P401        | CC21     |             | nsp                | 00MOA226025Z0 | ELECT. CAP. | ROS-25V 220M - F3#PE - T2 (22UF 25V)  |
| P401        | CC22     |             | nsp                | 00MOA226025Z0 | ELECT. CAP. | ROS-25V 220M - F3#PE - T2 (22UF 25V)  |
| P401        | CC23     |             | nsp                | 00MOA477025R0 | ELECT. CAP. | ROA-25V 471M -16#PE - S13 (470UF 25V) |
| P401        | CC24     |             | nsp                | 00MOA477025R0 | ELECT. CAP. | ROA-25V 471M -16#PE - S13 (470UF 25V) |
| P401        | CC25     |             | nsp                | 00MOA477025R0 | ELECT. CAP. | ROA-25V 471M -16#PE - S13 (470UF 25V) |
| P401        | CC26     |             | nsp                | 00MOA477025R0 | ELECT. CAP. | ROA-25V 471M -16#PE - S13 (470UF 25V) |
| P401        | CC27     |             | 00MOF55220590      | 00MOF55220590 | FILM CAP.   | 22PF 200V +- 5% FAS                   |
| P401        | CC28     |             | 00MOF55220590      | 00MOF55220590 | FILM CAP.   | 22PF 200V +- 5% FAS                   |
| P401        | D401     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                           |
| P401        | D403     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                           |
| P401        | D404     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                           |
| P401        | D405     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                           |
| P401        | D406     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                           |
| P401        | D407     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                           |
| P401        | D408     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                           |
| P401        | D409     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                           |
| P401        | D410     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                           |
| P401        | D411     |             | 00MHI10115210      | 00MHI10115210 | L.E.D.      | SLR-342VRTB7 RED                      |
| P401        | D412     |             | 00MHI10115210      | 00MHI10115210 | L.E.D.      | SLR-342VRTB7 RED                      |
| P401        | D413     |             | 00MHI10115210      | 00MHI10115210 | L.E.D.      | SLR-342VRTB7 RED                      |
| P401        | D414     |             | 00MHI10115210      | 00MHI10115210 | L.E.D.      | SLR-342VRTB7 RED                      |
| P401        | D415     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                           |
| P401        | D416     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                           |
| P401        | D417     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                           |
| P401        | D418     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                           |

NOTE : \*nsp\* PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

| P.W.B. NAME | POS. NO. | VERS. COLOR | PART NO. (FOR EUR) | PART NO. (MZ) | PART NAME   | DESCRIPTION                  |
|-------------|----------|-------------|--------------------|---------------|-------------|------------------------------|
| P401        | DC01     |             | 00MHI10115210      | 00MHI10115210 | L.E.D.      | SLR-342VRTB7 RED             |
| P401        | DC02     |             | 00MHI10115210      | 00MHI10115210 | L.E.D.      | SLR-342VRTB7 RED             |
| P401        | DC03     |             | 00MHI10115210      | 00MHI10115210 | L.E.D.      | SLR-342VRTB7 RED             |
| P401        | DC04     |             | 00MHI10115210      | 00MHI10115210 | L.E.D.      | SLR-342VRTB7 RED             |
| P401        | EX01     | F N         | nsp                | 00MGD05000160 | RES.        | 0 OHM +- 5% 1/6W             |
| P401        | EX01     | /U1G        | nsp                | 00MGD05000160 | RES.        | 0 OHM +- 5% 1/6W             |
| P401        | EX02     | F N         | nsp                | 00MGD05000160 | RES.        | 0 OHM +- 5% 1/6W             |
| P401        | EX02     | /U1G        | nsp                | 00MGD05000160 | RES.        | 0 OHM +- 5% 1/6W             |
| P401        | L401     | /K1G        | nsp                | 00MLC13240010 | COIL        | 320 MH CHOKE COIL (TOROIDAL) |
| P401        | L401     | /N1G        | 00MLC13240010      | 00MLC13240010 | COIL        | 320 MH CHOKE COIL (TOROIDAL) |
| P401        | L401     | /N1S        | 00MLC13240010      | 00MLC13240010 | COIL        | 320 MH CHOKE COIL (TOROIDAL) |
| P401        | L402     | /K1G        | nsp                | 00MLC13240010 | COIL        | 320 MH CHOKE COIL (TOROIDAL) |
| P401        | L402     | /N1G        | 00MLC13240010      | 00MLC13240010 | COIL        | 320 MH CHOKE COIL (TOROIDAL) |
| P401        | L402     | /N1S        | 00MLC13240010      | 00MLC13240010 | COIL        | 320 MH CHOKE COIL (TOROIDAL) |
| P401        | L403     |             | 00D2140208003      | 00D2140208003 | RELAY       | RELAY(NA24W-K)               |
| P401        | L404     |             | 00D2140208003      | 00D2140208003 | RELAY       | RELAY(NA24W-K)               |
| P401        | Q401     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)          |
| P401        | Q402     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)          |
| P401        | Q403     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL             |
| P401        | Q404     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL             |
| P401        | Q405     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL             |
| P401        | Q406     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL             |
| P401        | Q407     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 GR OR BL              |
| P401        | Q408     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)          |
| P401        | Q409     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL             |
| P401        | Q410     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL             |
| P401        | Q411     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)          |
| P401        | Q412     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)          |
| P401        | Q413     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)          |
| P401        | Q414     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)          |
| P401        | Q415     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL             |
| P401        | Q416     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL             |
| P401        | Q417     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)          |
| P401        | Q418     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)          |
| P401        | Q419     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL             |
| P401        | Q420     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL             |
| P401        | Q421     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)          |
| P401        | Q422     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)          |
| P401        | Q423     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL             |
| P401        | Q424     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL             |
| P401        | Q425     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)          |
| P401        | Q426     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)          |
| P401        | Q427     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL             |
| P401        | Q428     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL             |
| P401        | Q429     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3                     |
| P401        | Q430     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3                     |
| P401        | Q431     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3                     |
| P401        | Q432     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3                     |
| P401        | QC01     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3                     |
| P401        | QC02     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3                     |
| P401        | QC03     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | NIT H-I     | HDAM- A                      |
| P401        | QC04     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3                     |
| P401        | QC05     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3                     |
| P401        | QC06     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3                     |
| P401        | QC07     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)          |
| P401        | QC08     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)          |
| P401        | QC09     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL             |
| P401        | QC10     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL             |
| P401        | QC11     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)          |
| P401        | QC12     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)          |
| P401        | QC13     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)          |
| P401        | QC14     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)          |
| P401        | QC15     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL             |
| P401        | QC16     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL             |
| P401        | QC17     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL             |
| P401        | QC18     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL             |
| P401        | QC19     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3                     |

NOTE : "nsp" PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

| P.W.B. NAME | POS. NO. | VERS. COLOR | PART NO. (FOR EUR) | PART NO. (MZ) | PART NAME   | DESCRIPTION         |
|-------------|----------|-------------|--------------------|---------------|-------------|---------------------|
| P401        | QC20     |             | 00MKH22AJ1010      | 00MKH22AJ1010 | UNIT & H-IC | HDAM-SA3            |
| P401        | R401     |             | nsp                | 00MGD05101160 | RES.        | 100 OHM +- 5% 1/6W  |
| P401        | R402     |             | nsp                | 00MGD05101160 | RES.        | 100 OHM +- 5% 1/6W  |
| P401        | R403     |             | nsp                | 00MGD05334160 | RES.        | 330K OHM +- 5% 1/6W |
| P401        | R404     |             | nsp                | 00MGD05334160 | RES.        | 330K OHM +- 5% 1/6W |
| P401        | R405     |             | nsp                | 00MGD05563160 | RES.        | 56K OHM +- 5% 1/6W  |
| P401        | R406     |             | nsp                | 00MGD05563160 | RES.        | 56K OHM +- 5% 1/6W  |
| P401        | R407     |             | nsp                | 00MGD05330160 | RES.        | 33 OHM +- 5% 1/6W   |
| P401        | R408     |             | nsp                | 00MGD05330160 | RES.        | 33 OHM +- 5% 1/6W   |
| P401        | R409     |             | nsp                | 00MGD05683160 | RES.        | 68K OHM +- 5% 1/6W  |
| P401        | R410     |             | nsp                | 00MGD05683160 | RES.        | 68K OHM +- 5% 1/6W  |
| P401        | R411     |             | nsp                | 00MGD05331160 | RES.        | 330 OHM +- 5% 1/6W  |
| P401        | R412     |             | nsp                | 00MGD05331160 | RES.        | 330 OHM +- 5% 1/6W  |
| P401        | R413     |             | nsp                | 00MGD05331160 | RES.        | 330 OHM +- 5% 1/6W  |
| P401        | R414     |             | nsp                | 00MGD05331160 | RES.        | 330 OHM +- 5% 1/6W  |
| P401        | R415     |             | nsp                | 00MGD05100160 | RES.        | 10 OHM +- 5% 1/6W   |
| P401        | R416     |             | nsp                | 00MGD05100160 | RES.        | 10 OHM +- 5% 1/6W   |
| P401        | R417     |             | nsp                | 00MGD05100160 | RES.        | 10 OHM +- 5% 1/6W   |
| P401        | R418     |             | nsp                | 00MGD05100160 | RES.        | 10 OHM +- 5% 1/6W   |
| P401        | R419     |             | nsp                | 00MGD05562160 | RES.        | 5.6K OHM +- 5% 1/6W |
| P401        | R420     |             | nsp                | 00MGD05562160 | RES.        | 5.6K OHM +- 5% 1/6W |
| P401        | R421     |             | nsp                | 00MGD05101160 | RES.        | 100 OHM +- 5% 1/6W  |
| P401        | R422     |             | nsp                | 00MGD05101160 | RES.        | 100 OHM +- 5% 1/6W  |
| P401        | R423     |             | nsp                | 00MGD05100160 | RES.        | 10 OHM +- 5% 1/6W   |
| P401        | R424     |             | nsp                | 00MGD05100160 | RES.        | 10 OHM +- 5% 1/6W   |
| P401        | R425     |             | nsp                | 00MGD05100160 | RES.        | 10 OHM +- 5% 1/6W   |
| P401        | R426     |             | nsp                | 00MGD05100160 | RES.        | 10 OHM +- 5% 1/6W   |
| P401        | R427     |             | nsp                | 00MGD05471160 | RES.        | 470 OHM +- 5% 1/6W  |
| P401        | R428     |             | nsp                | 00MGD05471160 | RES.        | 470 OHM +- 5% 1/6W  |
| P401        | R429     |             | nsp                | 00MGD05471160 | RES.        | 470 OHM +- 5% 1/6W  |
| P401        | R430     |             | nsp                | 00MGD05471160 | RES.        | 470 OHM +- 5% 1/6W  |
| P401        | R431     |             | nsp                | 00MGD05221160 | RES.        | 220 OHM +- 5% 1/6W  |
| P401        | R432     |             | nsp                | 00MGD05221160 | RES.        | 220 OHM +- 5% 1/6W  |
| P401        | R433     |             | nsp                | 00MGD05221160 | RES.        | 220 OHM +- 5% 1/6W  |
| P401        | R434     |             | nsp                | 00MGD05221160 | RES.        | 220 OHM +- 5% 1/6W  |
| P401        | R435     |             | nsp                | 00MGD05104160 | RES.        | 100K OHM +- 5% 1/6W |
| P401        | R436     |             | nsp                | 00MGD05104160 | RES.        | 100K OHM +- 5% 1/6W |
| P401        | R437     |             | nsp                | 00MGD05105160 | RES.        | 1M OHM +- 5% 1/6W   |
| P401        | R438     |             | nsp                | 00MGD05105160 | RES.        | 1M OHM +- 5% 1/6W   |
| P401        | R439     |             | nsp                | 00MGD05104160 | RES.        | 100K OHM +- 5% 1/6W |
| P401        | R440     |             | nsp                | 00MGD05104160 | RES.        | 100K OHM +- 5% 1/6W |
| P401        | R441     |             | nsp                | 00MGD05823160 | RES.        | 82K OHM +- 5% 1/6W  |
| P401        | R442     |             | nsp                | 00MGD05823160 | RES.        | 82K OHM +- 5% 1/6W  |
| P401        | R443     |             | nsp                | 00MGD05682160 | RES.        | 6.8K OHM +- 5% 1/6W |
| P401        | R444     |             | nsp                | 00MGD05682160 | RES.        | 6.8K OHM +- 5% 1/6W |
| P401        | R445     |             | nsp                | 00MGD05101160 | RES.        | 100 OHM +- 5% 1/6W  |
| P401        | R446     |             | nsp                | 00MGD05101160 | RES.        | 100 OHM +- 5% 1/6W  |
| P401        | R447     |             | nsp                | 00MGD05100160 | RES.        | 10 OHM +- 5% 1/6W   |
| P401        | R448     |             | nsp                | 00MGD05100160 | RES.        | 10 OHM +- 5% 1/6W   |
| P401        | R449     |             | nsp                | 00MGD05104160 | RES.        | 100K OHM +- 5% 1/6W |
| P401        | R450     |             | nsp                | 00MGD05104160 | RES.        | 100K OHM +- 5% 1/6W |
| P401        | R451     |             | nsp                | 00MGD05104160 | RES.        | 100K OHM +- 5% 1/6W |
| P401        | R452     |             | nsp                | 00MGD05104160 | RES.        | 100K OHM +- 5% 1/6W |
| P401        | R453     |             | nsp                | 00MGD05101160 | RES.        | 100 OHM +- 5% 1/6W  |
| P401        | R454     |             | nsp                | 00MGD05101160 | RES.        | 100 OHM +- 5% 1/6W  |
| P401        | ▲ R455   |             | 00MGG05100160      | 00MGG05100160 | RES.        | ! 10 OHM +- 5% 1/6W |
| P401        | ▲ R456   |             | 00MGG05100160      | 00MGG05100160 | RES.        | ! 10 OHM +- 5% 1/6W |
| P401        | ▲ R457   |             | 00MGG05100160      | 00MGG05100160 | RES.        | ! 10 OHM +- 5% 1/6W |
| P401        | ▲ R458   |             | 00MGG05100160      | 00MGG05100160 | RES.        | ! 10 OHM +- 5% 1/6W |
| P401        | RC01     |             | nsp                | 00MGD05224160 | RES.        | 220K OHM +- 5% 1/6W |
| P401        | RC02     |             | nsp                | 00MGD05224160 | RES.        | 220K OHM +- 5% 1/6W |
| P401        | RC03     |             | nsp                | 00MGD05224160 | RES.        | 220K OHM +- 5% 1/6W |
| P401        | RC04     |             | nsp                | 00MGD05224160 | RES.        | 220K OHM +- 5% 1/6W |
| P401        | RC05     |             | nsp                | 00MGD05223160 | RES.        | 22K OHM +- 5% 1/6W  |
| P401        | RC06     |             | nsp                | 00MGD05223160 | RES.        | 22K OHM +- 5% 1/6W  |
| P401        | RC07     |             | nsp                | 00MGD05223160 | RES.        | 22K OHM +- 5% 1/6W  |
| P401        | RC08     |             | nsp                | 00MGD05223160 | RES.        | 22K OHM +- 5% 1/6W  |

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| P.W.B. NAME                                    | POS. NO. | VERS. COLOR | PART NO. (FOR EUR) | PART NO. (MZ) | PART NAME   | DESCRIPTION                           |
|--|----------|-------------|--------------------|---------------|-------------|---------------------------------------|
| P401   | RC09     |             | nsp                | 00MGD05331160 | RES.        | 330 OHM +- 5% 1/6W                    |
| P401   | RC10     |             | nsp                | 00MGD05331160 | RES.        | 330 OHM +- 5% 1/6W                    |
| P401   | RC11     |             | nsp                | 00MGD05331160 | RES.        | 330 OHM +- 5% 1/6W                    |
| P401   | RC12     |             | nsp                | 00MGD05331160 | RES.        | 330 OHM +- 5% 1/6W                    |
| P401   | RC13     |             | nsp                | 00MGD05222160 | RES.        | 2.2K OHM +- 5% 1/6W                   |
| P401   | RC14     |             | nsp                | 00MGD05222160 | RES.        | 2.2K OHM +- 5% 1/6W                   |
| P401   | RC15     |             | nsp                | 00MGD05222160 | RES.        | 2.2K OHM +- 5% 1/6W                   |
| P401   | RC16     |             | nsp                | 00MGD05222160 | RES.        | 2.2K OHM +- 5% 1/6W                   |
| P401   | RC17     |             | nsp                | 00MGD05222160 | RES.        | 2.2K OHM +- 5% 1/6W                   |
| P401   | RC18     |             | nsp                | 00MGD05222160 | RES.        | 2.2K OHM +- 5% 1/6W                   |
| P401   | RC19     |             | nsp                | 00MGD05222160 | RES.        | 2.2K OHM +- 5% 1/6W                   |
| P401   | RC20     |             | nsp                | 00MGD05222160 | RES.        | 2.2K OHM +- 5% 1/6W                   |
| P401   | RC21     |             | nsp                | 00MGD05471160 | RES.        | 470 OHM +- 5% 1/6W                    |
| P401   | RC22     |             | nsp                | 00MGD05471160 | RES.        | 470 OHM +- 5% 1/6W                    |
| P401   | RC23     |             | nsp                | 00MGD05471160 | RES.        | 470 OHM +- 5% 1/6W                    |
| P401   | RC24     |             | nsp                | 00MGD05471160 | RES.        | 470 OHM +- 5% 1/6W                    |
| P401   | RC25     |             | nsp                | 00MGD05221160 | RES.        | 220 OHM +- 5% 1/6W                    |
| P401   | RC26     |             | nsp                | 00MGD05221160 | RES.        | 220 OHM +- 5% 1/6W                    |
| P401   | RC27     |             | nsp                | 00MGD05221160 | RES.        | 220 OHM +- 5% 1/6W                    |
| P401   | RC28     |             | nsp                | 00MGD05221160 | RES.        | 220 OHM +- 5% 1/6W                    |
| P401   | RC29     |             | nsp                | 00MGD05104160 | RES.        | 100K OHM +- 5% 1/6W                   |
| P401   | RC30     |             | nsp                | 00MGD05104160 | RES.        | 100K OHM +- 5% 1/6W                   |
| P401   | RC31     |             | nsp                | 00MGD05105160 | RES.        | 1M OHM +- 5% 1/6W                     |
| P401   | RC32     |             | nsp                | 00MGD05105160 | RES.        | 1M OHM +- 5% 1/6W                     |
| P401   | RC33     |             | nsp                | 00MGD05104160 | RES.        | 100K OHM +- 5% 1/6W                   |
| P401   | RC34     |             | nsp                | 00MGD05104160 | RES.        | 100K OHM +- 5% 1/6W                   |
| P401   | ▲RC35    |             | 00MGG05100160      | 00MGG05100160 | RES.        | ! 10 OHM +- 5% 1/6W                   |
| P401   | ▲RC36    |             | 00MGG05100160      | 00MGG05100160 | RES.        | ! 10 OHM +- 5% 1/6W                   |
| P401   | ▲RC37    |             | 00MGG05100160      | 00MGG05100160 | RES.        | ! 10 OHM +- 5% 1/6W                   |
| P401   | ▲RC38    |             | 00MGG05100160      | 00MGG05100160 | RES.        | ! 10 OHM +- 5% 1/6W                   |
| P401   | RC39     |             | nsp                | 00MGD05000160 | RES.        | 0 OHM +- 5% 1/6W                      |
| P401   | RC40     |             | nsp                | 00MGD05000160 | RES.        | 0 OHM +- 5% 1/6W                      |
| P401   | ▲RC41    |             | 00MGG05100160      | 00MGG05100160 | RES.        | ! 10 OHM +- 5% 1/6W                   |
| P401   | ▲RC42    |             | 00MGG05100160      | 00MGG05100160 | RES.        | ! 10 OHM +- 5% 1/6W                   |
| P401   | ▲RC43    |             | 00MGG05100160      | 00MGG05100160 | RES.        | ! 10 OHM +- 5% 1/6W                   |
| P401   | ▲RC44    |             | 00MGG05100160      | 00MGG05100160 | RES.        | ! 10 OHM +- 5% 1/6W                   |
| P401   | RR31     | F N         | nsp                | 00MGD05000160 | RES.        | 0 OHM +- 5% 1/6W                      |
| P401   | RR31     | /U1G        | nsp                | 00MGD05000160 | RES.        | 0 OHM +- 5% 1/6W                      |
| P401   | RR35     | /K1G        | nsp                | 00MGD05000160 | RES.        | 0 OHM +- 5% 1/6W                      |
| P401   | RR35     | /N1G        | nsp                | 00MGD05000160 | RES.        | 0 OHM +- 5% 1/6W                      |
| P401   | RR35     | /N1S        | nsp                | 00MGD05000160 | RES.        | 0 OHM +- 5% 1/6W                      |
| <b>LCH POWER AMP Pwr (Pwr) (00MHA050001-1)</b> |          |             |                    |               |             |                                       |
| P601   | C601     |             | nsp                | 00MOA106035Z0 | ELECT. CAP. | ROS-35V 100M - F3#PE - T2 (10UF 35V)  |
| P601   | C602     |             | 00MOB47708050      | 00MOB47708050 | ELECT. CAP. | 470UF/80V PB-FREE                     |
| P601   | C603     |             | 00MOB47708050      | 00MOB47708050 | ELECT. CAP. | 470UF/80V PB-FREE                     |
| P601   | C604     |             | 00MOF56681540      | 00MOF56681540 | FILM CAP.   | STAR(126)100VDC681J7-10               |
| P601   | C605     |             | nsp                | 00MOA107025Z0 | ELECT. CAP. | ROS-25V 101M - H4#PE - T2 (100UF 25V) |
| P601   | C606     |             | nsp                | 00MOA227025R0 | ELECT. CAP. | ROA-25V 221M -H5#PE - T2 (220UF 25V)  |
| P601   | C607     |             | 00MOF55103580      | 00MOF55103580 | FILM CAP.   | 0.01UF 100V +- 5% FNS                 |
| P601   | C608     |             | nsp                | 00MOA47405020 | ELECT. CAP. | 0.47UF M 50V RA-2                     |
| P601   | C609     |             | 00MOF55101560      | 00MOF55101560 | FILM CAP.   | DAMG 100PF 630V                       |
| P601   | D601     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                           |
| P601   | D602     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                           |
| P601   | D603     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                           |
| P601   | D604     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                           |
| P601   | D605     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                           |
| P601   | D606     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                           |
| P601   | D607     |             | 00MHI10115210      | 00MHI10115210 | L.E.D.      | SLR-342VRTB7 RED                      |
| P601   | D608     |             | 00MHI10115210      | 00MHI10115210 | L.E.D.      | SLR-342VRTB7 RED                      |
| P601   | D609     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                           |
| P601   | D610     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                           |
| P601   | D611     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                           |
| P601   | D612     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                           |
| P601   | D613     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                           |
| P601   | D614     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                           |
| P601   | D615     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                           |
| P601   | D616     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                           |

NOTE : \*nsp\* PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

| P.W.B. NAME | POS. NO. | VERS. COLOR | PART NO. (FOR EUR) | PART NO. (MZ) | PART NAME   | DESCRIPTION                                |
|-------------|----------|-------------|--------------------|---------------|-------------|--|
| P601        | D617     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                                |
| P601        | D618     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                                |
| P601        | D619     |             | 00MHD30511000      | 00MHD30511000 | ZENER DIODE | 5.1V ZENER EQUIVALENT                      |
| P601        | D620     |             | nsp                | 00MHD20027010 | DIODE       | HSS81TD-E 150V 150MA                       |
| P601        | D621     |             | nsp                | 00MHD20027010 | DIODE       | HSS81TD-E 150V 150MA                       |
| P601        | J605     |             | 00MYP07005670      | 00MYP07005670 | PLUG        | IMSA-6065B-06Z065-PT1                      |
| P601        | J606     |             | 00MYP07005670      | 00MYP07005670 | PLUG        | IMSA-6065B-06Z065-PT1                      |
| P601        | K601     |             | 00MHK136019C0      | 00MHK136019C0 | TRS. KIT    | 2SA1360/2SC3423 O Y PAIR FOR Q612/Q613     |
| P601        | K602     |             | 00MHK135819A0      | 00MHK135819A0 | TRS. KIT    | 2SA1358/2SC3421 O PAIR FOR Q624/Q625       |
| P601        | K603     |             | 00MHK185919C0      | 00MHK185919C0 | TRS. KIT    | 2SA1859/2SC4883 O Y PAIR FOR Q627/Q626     |
| P601        | K604     |             | 00MHK121619F0      | 00MHK121619F0 | TRS. KIT    | 2SA1216/2SC2922 O Y PAIR FOR Q629/Q628     |
| P601        | Q601     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)                        |
| P601        | Q602     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)                        |
| P601        | Q603     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL                           |
| P601        | Q604     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL                           |
| P601        | Q605     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL                           |
| P601        | Q606     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL                           |
| P601        | Q607     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)                        |
| P601        | Q608     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)                        |
| P601        | Q609     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)                        |
| P601        | Q610     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL                           |
| P601        | Q611     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)                        |
| P601        | Q612     |             | nsp                | nsp           | TRS.        | 2SA1360 O Y PAIR WITH Q613 OF K601         |
| P601        | Q613     |             | nsp                | nsp           | TRS.        | 2SC3423 O Y PAIR WITH Q612 OF K601         |
| P601        | Q614     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL                           |
| P601        | Q615     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL                           |
| P601        | Q616     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL                           |
| P601        | Q617     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)                        |
| P601        | Q618     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)                        |
| P601        | Q619     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)                        |
| P601        | Q620     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)                        |
| P601        | Q621     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL                           |
| P601        | Q622     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL                           |
| P601        | Q623     |             | 00MHT415080A0      | 00MHT415080A0 | TRS.        | 2SD1508 HFE>4000                           |
| P601        | Q624     |             | nsp                | nsp           | TRS.        | 2SC3421 O Y 120V 1A PAIR WITH Q625 OF K602 |
| P601        | Q625     |             | nsp                | nsp           | TRS.        | 2SA1358 O Y 120V 1A PAIR WITH Q624 OF K602 |
| P601        | Q626     |             | nsp                | nsp           | TRS.        | 2SC4883 O Y PAIR WITH Q627 OF K603         |
| P601        | Q627     |             | nsp                | nsp           | TRS.        | 2SA1859 O Y PAIR WITH Q626 OF K603         |
| P601        | Q628     |             | nsp                | nsp           | TRS.        | 2SC2922 Y P PAIR WITH Q629 OF K604         |
| P601        | Q629     |             | nsp                | nsp           | TRS.        | 2SA1216 Y P PAIR WITH Q628 OF K604         |
| P601        | Q630     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL                           |
| P601        | Q631     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)                        |
| P601        | R604     |             | nsp                | 00MGD05104160 | RES.        | 100K OHM +- 5% 1/6W                        |
| P601        | R605     |             | nsp                | 00MGD05561160 | RES.        | 560 OHM +- 5% 1/6W                         |
| P601        | R608     |             | nsp                | 00MGD05561160 | RES.        | 560 OHM +- 5% 1/6W                         |
| P601        | ▲R611    |             | 00MGG05471160      | 00MGG05471160 | RES.        | ! 470 OHM +- 5% 1/6W                       |
| P601        | ▲R612    |             | 00MGG05471160      | 00MGG05471160 | RES.        | ! 470 OHM +- 5% 1/6W                       |
| P601        | ▲R613    |             | 00MGG05151160      | 00MGG05151160 | RES.        | ! 150 OHM +- 5% 1/6W                       |
| P601        | ▲R616    |             | 00MGG05151160      | 00MGG05151160 | RES.        | ! 150 OHM +- 5% 1/6W                       |
| P601        | R617     |             | nsp                | 00MGD05224160 | RES.        | 220K OHM +- 5% 1/6W                        |
| P601        | R621     |             | nsp                | 00MGD05102160 | RES.        | 1K HM +- 1 W                               |
| P601        | R624     |             | nsp                | 00MGD05102160 | RES.        | 1K OHM +- 5% 1/6W                          |
| P601        | R625     |             | nsp                | 00MGD05104160 | RES.        | 100K OHM +- 5% 1/6W                        |
| P601        | R626     |             | nsp                | 00MGD05333160 | RES.        | 33K OHM +- 5% 1/6W                         |
| P601        | R628     |             | nsp                | 00MGD05474160 | RES.        | 470K OHM +- 5% 1/6W                        |
| P601        | R629     |             | 00MRA02220760      | 00MRA02220760 | TRIM. RES.  | 2.2KOHM VERT                               |
| P601        | R630     |             | nsp                | 00MGD05333160 | RES.        | 33K OHM +- 5% 1/6W                         |
| P601        | R631     |             | nsp                | 00MGD05472160 | RES.        | 4.7K OHM +- 5% 1/6W                        |
| P601        | R632     |             | nsp                | 00MGD05182160 | RES.        | 1.8K OHM +- 5% 1/6W                        |
| P601        | R633     |             | 00MRA02220760      | 00MRA02220760 | TRIM. RES.  | 2.2KOHM VERT                               |
| P601        | R634     |             | nsp                | 00MGD05222160 | RES.        | 2.2K OHM +- 5% 1/6W                        |
| P601        | ▲R635    |             | 00MGG05100140      | 00MGG05100140 | RES.        | ! 10 OHM +- 5% 1/4W                        |
| P601        | ▲R636    |             | 00MGG05100140      | 00MGG05100140 | RES.        | ! 10 OHM +- 5% 1/4W                        |
| P601        | ▲R637    |             | 00MGG05101160      | 00MGG05101160 | RES.        | ! 100 OHM +- 5% 1/6W                       |
| P601        | ▲R638    |             | 00MGG05101160      | 00MGG05101160 | RES.        | ! 100 OHM +- 5% 1/6W                       |
| P601        | ▲R640    |             | 00MGG05470160      | 00MGG05470160 | RES.        | ! 47 OHM +- 5% 1/6W                        |
| P601        | ▲R641    |             | 00MGG05470160      | 00MGG05470160 | RES.        | ! 47 OHM +- 5% 1/6W                        |

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| P.W.B. NAME                                     | POS. NO. | VERS. COLOR | PART NO. (FOR EUR) | PART NO. (MZ) | PART NAME   | DESCRIPTION                            |
|---|----------|-------------|--------------------|---------------|-------------|--|
| P601  | ▲ R643   |             | 00MGG05100160      | 00MGG05100160 | RES.        | ! 10 OHM +- 5% 1/6W                    |
| P601  | ▲ R644   |             | 00MGG05100160      | 00MGG05100160 | RES.        | ! 10 OHM +- 5% 1/6W                    |
| P601  | R645     |             | 00MGO05001050      | 00MGO05001050 | RES.        | 0.1 OHMS +-5% 5W PBR58                 |
| P601  | R646     |             | 00MGO05001050      | 00MGO05001050 | RES.        | 0.1 OHMS +-5% 5W PBR58                 |
| P601  | R650     |             | nsp                | 00MGD05223160 | RES.        | 22K OHM +- 5% 1/6W                     |
| P601  | R651     |             | nsp                | 00MGD05223160 | RES.        | 22K OHM +- 5% 1/6W                     |
| P601  | R652     |             | nsp                | 00MGD05682160 | RES.        | 6.8K OHM +- 5% 1/6W                    |
| P601  | R653     |             | nsp                | 00MGD05223160 | RES.        | 22K OHM +- 5% 1/6W                     |
| P601  | R654     |             | nsp                | 00MGD05223160 | RES.        | 22K OHM +- 5% 1/6W                     |
| P601  | R663     |             | nsp                | 00MGD05103160 | RES.        | 10K OHM +- 5% 1/6W                     |
| P601  | R664     |             | nsp                | 00MGD05103160 | RES.        | 10K OHM +- 5% 1/6W                     |
| <b>LCH POSISTOR PWB (P651) (00MWA04AJ807-)</b>  |          |             |                    |               |             |  |
| P651  | ▲ R659   |             | 00MHP00033240      | 00MHP00033240 | VARIATOR    | ! VARIATOR PTH9M04BC222TS2F333         |
| P651  | ▲ R660   | /U1G        | nsp                | 00MHP00033240 | VARIATOR    | ! VARIATOR PTH9M04BC222TS2F333         |
| <b>RCH POWER AMP PWB (P701) (00MWA04AJ802-)</b> |          |             |                    |               |             |  |
| P701  | C701     |             | nsp                | 00MOA106035Z0 | ELECT. CAP. | ROS-35V 100M - F3#PE - T2 (10UF 35V)   |
| P701  | C702     |             | 00MOB47708050      | 00MOB47708050 | ELECT. CAP. | 470UF/80V PB-FREE                      |
| P701  | C703     |             | 00MOB47708050      | 00MOB47708050 | ELECT. CAP. | 470UF/80V PB-FREE                      |
| P701  | C704     |             | 00MOF56681540      | 00MOF56681540 | FILM CAP.   | STAR(126)100VDC681J7-10                |
| P701  | C705     |             | nsp                | 00MOA107025Z0 | ELECT. CAP. | ROS-25V 101M - H4#PE - T2 (100UF 25V)  |
| P701  | C706     |             | nsp                | 00MOA227025R0 | ELECT. CAP. | ROA-25V 221M -H5#PE - T2 (220UF 25V)   |
| P701  | C707     |             | 00MOF55103580      | 00MOF55103580 | FILM CAP.   | 0.01UF 100V +- 5% FNS                  |
| P701  | C708     |             | nsp                | 00MOA47405020 | ELECT. CAP. | 0.47UF M 50V RA-2                      |
| P701  | C709     |             | 00MOF55101560      | 00MOF55101560 | FILM CAP.   | DAMG 100PF 630V                        |
| P701  | D701     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                            |
| P701  | D702     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                            |
| P701  | D703     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                            |
| P701  | D704     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                            |
| P701  | D705     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                            |
| P701  | D706     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                            |
| P701  | D707     |             | 00MHI10115210      | 00MHI10115210 | L.E.D.      | SLR-342VRTB7 RED                       |
| P701  | D708     |             | 00MHI10115210      | 00MHI10115210 | L.E.D.      | SLR-342VRTB7 RED                       |
| P701  | D709     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                            |
| P701  | D710     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                            |
| P701  | D711     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                            |
| P701  | D712     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                            |
| P701  | D713     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                            |
| P701  | D714     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                            |
| P701  | D715     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                            |
| P701  | D716     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                            |
| P701  | D717     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                            |
| P701  | D718     |             | nsp                | 00MHD20002000 | DIODE       | 1SS133 T-77                            |
| P701  | D719     |             | 00MHD30511000      | 00MHD30511000 | ZENER DIODE | 5.1V ZENER EQUIVALENT                  |
| P701  | D720     |             | nsp                | 00MHD20027010 | DIODE       | HSS81TD-E 150V 150MA                   |
| P701  | D721     |             | nsp                | 00MHD20027010 | DIODE       | HSS81TD-E 150V 150MA                   |
| P701  | J705     |             | 00MYP07005670      | 00MYP07005670 | PLUG        | IMSA-6065B-06Z065-PT1                  |
| P701  | J706     |             | 00MYP07005670      | 00MYP07005670 | PLUG        | IMSA-6065B-06Z065-PT1                  |
| P701  | K701     |             | 00MHK136019C0      | 00MHK136019C0 | TRS. KIT    | 2SA1360/2SC3423 O Y PAIR FOR Q712/Q713 |
| P701  | K702     |             | 00MHK135819A0      | 00MHK135819A0 | TRS. KIT    | 2SA1358/2SC3421 O PAIR FOR Q724/Q725   |
| P701  | K703     |             | 00MHK185919C0      | 00MHK185919C0 | TRS. KIT    | 2SA1859/2SC4883 O Y PAIR FOR Q727/Q726 |
| P701  | K704     |             | 00MHK121619F0      | 00MHK121619F0 | TRS. KIT    | 2 A121 2 2 22 Y PAIR F R 72 72         |
| P701  | Q701     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)                    |
| P701  | Q702     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)                    |
| P701  | Q703     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL                       |
| P701  | Q704     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL                       |
| P701  | Q705     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL                       |
| P701  | Q706     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL                       |
| P701  | Q707     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)                    |
| P701  | Q708     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)                    |
| P701  | Q709     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)                    |
| P701  | Q710     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL                       |
| P701  | Q711     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)                    |
| P701  | Q712     |             | nsp                | nsp           | TRS.        | 2SA1360 O Y PAIR WITH Q713 OF K701     |
| P701  | Q713     |             | nsp                | nsp           | TRS.        | 2SC3423 O Y PAIR WITH Q712 OF K701     |
| P701  | Q714     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL                       |
| P701  | Q715     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL                       |
| P701  | Q716     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL                       |

NOTE : "nsp" PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.



| P.W.B. NAME                                    | POS. NO. | VERS. COLOR | PART NO. (FOR EUR) | PART NO. (MZ) | PART NAME   | DESCRIPTION                                |
|--|----------|-------------|--------------------|---------------|-------------|--|
| P701   | Q717     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)                        |
| P701   | Q718     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)                        |
| P701   | Q719     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)                        |
| P701   | Q720     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)                        |
| P701   | Q721     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL                           |
| P701   | Q722     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL                           |
| P701   | Q723     |             | 00MHT415080A0      | 00MHT415080A0 | TRS.        | 2SD1508 HFE>4000                           |
| P701   | Q724     |             | nsp                | nsp           | TRS.        | 2SC3421 O Y 120V 1A PAIR WITH Q725 OF K702 |
| P701   | Q725     |             | nsp                | nsp           | TRS.        | 2SA1358 O Y 120V 1A PAIR WITH Q724 OF K702 |
| P701   | Q726     |             | nsp                | nsp           | TRS.        | 2SC4883 O Y PAIR WITH Q727 OF K703         |
| P701   | Q727     |             | nsp                | nsp           | TRS.        | 2SA1859 O Y PAIR WITH Q726 OF K703         |
| P701   | Q728     |             | nsp                | nsp           | TRS.        | 2SC2922 Y P PAIR WITH Q729 OF K704         |
| P701   | Q729     |             | nsp                | nsp           | TRS.        | 2SA1216 Y P PAIR WITH Q728 OF K704         |
| P701   | Q730     |             | 00MHT322402A0      | 00MHT322402A0 | TRS.        | 2SC2240 GR OR BL                           |
| P701   | Q731     |             | 00MHT109702A0      | 00MHT109702A0 | TRS.        | 2SA970 (GR) OR (BL)                        |
| P701   | R704     |             | nsp                | 00MGD05104160 | RES.        | 100K OHM +- 5% 1/6W                        |
| P701   | R705     |             | nsp                | 00MGD05561160 | RES.        | 560 OHM +- 5% 1/6W                         |
| P701   | R708     |             | nsp                | 00MGD05561160 | RES.        | 560 OHM +- 5% 1/6W                         |
| P701   | ▲R711    |             | 00MGG05471160      | 00MGG05471160 | RES.        | ! 470 OHM +- 5% 1/6W                       |
| P701   | ▲R712    |             | 00MGG05471160      | 00MGG05471160 | RES.        | ! 470 OHM +- 5% 1/6W                       |
| P701   | ▲R713    |             | 00MGG05151160      | 00MGG05151160 | RES.        | ! 150 OHM +- 5% 1/6W                       |
| P701   | ▲R716    |             | 00MGG05151160      | 00MGG05151160 | RES.        | ! 150 OHM +- 5% 1/6W                       |
| P701   | R717     |             | nsp                | 00MGD05224160 | RES.        | 220K OHM +- 5% 1/6W                        |
| P701   | R721     |             | nsp                | 00MGD05102160 | RES.        | 1K OHM +- 5% 1/6W                          |
| P701   | R724     |             | nsp                | 00MGD05102160 | RES.        | 1K OHM +- 5% 1/6W                          |
| P701   | R725     |             | nsp                | 00MGD05104160 | RES.        | 100K OHM +- 5% 1/6W                        |
| P701   | R726     |             | nsp                | 00MGD05333160 | RES.        | 33K OHM +- 5% 1/6W                         |
| P701   | R728     |             | nsp                | 00MGD05474160 | RES.        | 470K OHM +- 5% 1/6W                        |
| P701   | R729     |             | 00MRA02220760      | 00MRA02220760 | TRIM. RES.  | 2.2KOHM VERT                               |
| P701   | R730     |             | nsp                | 00MGD05333160 | RES.        | 33K OHM +- 5% 1/6W                         |
| P701   | R731     |             | nsp                | 00MGD05472160 | RES.        | 4.7K OHM +- 5% 1/6W                        |
| P701   | R732     |             | nsp                | 00MGD05182160 | RES.        | 1.8K OHM +- 5% 1/6W                        |
| P701   | R733     |             | 00MRA02220760      | 00MRA02220760 | TRIM. RES.  | 2.2KOHM VERT                               |
| P701   | R734     |             | nsp                | 00MGD05222160 | RES.        | 2.2K OHM +- 5% 1/6W                        |
| P701   | ▲R735    |             | 00MGG05100140      | 00MGG05100140 | RES.        | ! 10 OHM +- 5% 1/4W                        |
| P701   | ▲R736    |             | 00MGG05100140      | 00MGG05100140 | RES.        | ! 10 OHM +- 5% 1/4W                        |
| P701   | ▲R737    |             | 00MGG05101160      | 00MGG05101160 | RES.        | ! 100 OHM +- 5% 1/6W                       |
| P701   | ▲R738    |             | 00MGG05101160      | 00MGG05101160 | RES.        | ! 100 OHM +- 5% 1/6W                       |
| P701   | ▲R740    |             | 00MGG05470160      | 00MGG05470160 | RES.        | ! 47 OHM +- 5% 1/6W                        |
| P701   | ▲R741    |             | 00MGG05470160      | 00MGG05470160 | RES.        | ! 47 OHM +- 5% 1/6W                        |
| P701   | ▲R743    |             | 00MGG05100160      | 00MGG05100160 | RES.        | ! 10 OHM +- 5% 1/6W                        |
| P701   | ▲R744    |             | 00MGG05100160      | 00MGG05100160 | RES.        | ! 10 OHM +- 5% 1/6W                        |
| P701   | R745     |             | 00MGO05001050      | 00MGO05001050 | RES.        | 0.1 OHMS +-5% 5W PBR58                     |
| P701   | R746     |             | 00MGO05001050      | 00MGO05001050 | RES.        | 0.1 OHMS +-5% 5W PBR58                     |
| P701   | R750     |             | nsp                | 00MGD05223160 | RES.        | 22K OHM +- 5% 1/6W                         |
| P701   | R751     |             | nsp                | 00MGD05223160 | RES.        | 22K OHM +- 5% 1/6W                         |
| P701   | R752     |             | nsp                | 00MGD05682160 | RES.        | 6.8K OHM +- 5% 1/6W                        |
| P701   | R753     |             | nsp                | 00MGD05223160 | RES.        | 22K OHM +- 5% 1/6W                         |
| P701   | R754     |             | nsp                | 00MGD05223160 | RES.        | 22K OHM +- 5% 1/6W                         |
| P701   | R763     |             | nsp                | 00MGD05103160 | RES.        | 10K OHM +- 5% 1/6W                         |
| P701   | R764     |             | nsp                | 00MGD05103160 | RES.        | 1 K HM +- 1 W                              |
| <b>RCH POSISTOR PWB (P751) (00MWA04AJ808-)</b> |          |             |                    |               |             |  |
| P751   | ▲R759    |             | 00MHP00033240      | 00MHP00033240 | VARISTOR    | ! VARISTOR PTH9M04BC222TS2F333             |
| P751   | ▲R760    | /U1G        | nsp                | 00MHP00033240 | VARISTOR    | ! VARISTOR PTH9M04BC222TS2F333             |
| <b>POWER SUPPLY PWB (P801) (00MWA04AJ806-)</b> |          |             |                    |               |             |  |
| P801   | C801     |             | nsp                | 00MOA10605020 | ELECT. CAP. | 10 UF M 50V RA-2                           |
| P801   | C802     |             | nsp                | 00MOA10505020 | ELECT. CAP. | 1 UF M 50V RA-2                            |
| P801   | C803     |             | nsp                | 00MOA22505020 | ELECT. CAP. | 2.2 UF M 50V RA-2                          |
| P801   | C804     |             | nsp                | 00MOA22803520 | ELECT. CAP. | 2200UF M 35V RA-2                          |
| P801   | C805     |             | nsp                | 00MOA10505020 | ELECT. CAP. | 1 UF M 50V RA-2                            |
| P801   | C806     |             | nsp                | 00MOA10702520 | ELECT. CAP. | 100 UF M 25V RA-2                          |
| P801   | C807     |             | nsp                | 00MOA10605020 | ELECT. CAP. | 10 UF M 50V RA-2                           |
| P801   | C808     |             | nsp                | 00MOA47700620 | ELECT. CAP. | 470 UF M 6.3V RA-2                         |
| P801   | C810     |             | nsp                | 00MOA22703520 | ELECT. CAP. | 220UF 35V M RA-2                           |
| P801   | C811     |             | nsp                | 00MOA106035Z0 | ELECT. CAP. | ROS-35V 100M - F3#PE - T2 (10UF 35V)       |
| P801   | C812     |             | nsp                | 00MOA22703520 | ELECT. CAP. | 220UF 35V M RA-2                           |
| P801   | ▲D801    |             | 00MHE10006100      | 00MHE10006100 | DIODE       | ! SBD UNIT FRH20A15                        |

NOTE : \*nsp\* PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

| P.W.B. NAME | POS. NO. | VERS. COLOR | PART NO. (FOR EUR) | PART NO. (MZ) | PART NAME    | DESCRIPTION                                  |
|-------------|----------|-------------|--------------------|---------------|--------------|--|
| P801        | ▲D802    |             | 00MHE10005100      | 00MHE10005100 | DIODE        | ! SBD UNIT FCH20A15                          |
| P801        | ▲D803    |             | 00MHD20055100      | 00MHD20055100 | DIODE        | ! SHOTTKY 11EQS10 1A 100V                    |
| P801        | ▲D804    |             | 00MHD20055100      | 00MHD20055100 | DIODE        | ! SHOTTKY 11EQS10 1A 100V                    |
| P801        | ▲D805    |             | 00MHD20055100      | 00MHD20055100 | DIODE        | ! SHOTTKY 11EQS10 1A 100V                    |
| P801        | ▲D806    |             | 00MHD20055100      | 00MHD20055100 | DIODE        | ! SHOTTKY 11EQS10 1A 100V                    |
| P801        | ▲D807    |             | 00MHD20055100      | 00MHD20055100 | DIODE        | ! SHOTTKY 11EQS10 1A 100V                    |
| P801        | ▲D808    |             | 00MHD20055100      | 00MHD20055100 | DIODE        | ! SHOTTKY 11EQS10 1A 100V                    |
| P801        | ▲D809    |             | 00MHD20055100      | 00MHD20055100 | DIODE        | ! SHOTTKY 11EQS10 1A 100V                    |
| P801        | ▲D810    |             | 00MHD20055100      | 00MHD20055100 | DIODE        | ! SHOTTKY 11EQS10 1A 100V                    |
| P801        | ▲D811    |             | 00MHD20055100      | 00MHD20055100 | DIODE        | ! SHOTTKY 11EQS10 1A 100V                    |
| P801        | ▲D812    |             | 00MHD20055100      | 00MHD20055100 | DIODE        | ! SHOTTKY 11EQS10 1A 100V                    |
| P801        | ▲D813    |             | 00MHD20055100      | 00MHD20055100 | DIODE        | ! SHOTTKY 11EQS10 1A 100V                    |
| P801        | ▲D814    |             | 00MHD20055100      | 00MHD20055100 | DIODE        | ! SHOTTKY 11EQS10 1A 100V                    |
| P801        | ▲D815    |             | 00MHD20055100      | 00MHD20055100 | DIODE        | ! SHOTTKY 11EQS10 1A 100V                    |
| P801        | ▲D816    |             | 00MHD20055100      | 00MHD20055100 | DIODE        | ! SHOTTKY 11EQS10 1A 100V                    |
| P801        | ▲D817    |             | 00MHD20055100      | 00MHD20055100 | DIODE        | ! SHOTTKY 11EQS10 1A 100V                    |
| P801        | ▲D818    |             | 00MHD20055100      | 00MHD20055100 | DIODE        | ! SHOTTKY 11EQS10 1A 100V                    |
| P801        | ▲D819    |             | 00MHD20055100      | 00MHD20055100 | DIODE        | ! SHOTTKY 11EQS10 1A 100V                    |
| P801        | ▲D820    |             | 00MHD20055100      | 00MHD20055100 | DIODE        | ! SHOTTKY 11EQS10 1A 100V                    |
| P801        | ▲G801    |             | 00MBF68400010      | 00MBF68400010 | CAP.COMP.    | ! 0.68UF/4.7OHM                              |
| P801        | ▲G802    |             | 00MBF68400010      | 00MBF68400010 | CAP.COMP.    | ! 0.68UF/4.7OHM                              |
| P801        | ▲G803    |             | 00MBF68400010      | 00MBF68400010 | CAP.COMP.    | ! 0.68UF/4.7OHM                              |
| P801        | L803     |             | 00MFC90050130      | 00MFC90050130 | FERRITE CORE | BL02RN2-R62T2 FERRITE BEAD                   |
| P801        | L804     |             | 00MFC90050130      | 00MFC90050130 | FERRITE CORE | BL02RN2-R62T2 FERRITE BEAD                   |
| P801        | L805     |             | 00MFC90050130      | 00MFC90050130 | FERRITE CORE | BL02RN2-R62T2 FERRITE BEAD                   |
| P801        | L806     |             | 00MFC90050130      | 00MFC90050130 | FERRITE CORE | BL02RN2-R62T2 FERRITE BEAD                   |
| P801        | Q801     |             | 00MHC3851509F      | 00MHC3851509F | IC           | NJM78M15FA(0.5A 15V) FULLPACK                |
| P801        | Q802     |             | 00MHT800931A0      | 00MHT800931A0 | TRS.         | KTC3200 NPN RANK=GR                          |
| P801        | Q803     |             | 00D2730468907      | 00D2730468907 | TRS.         | KTC3199-GR-AT/P                              |
| P801        | Q804     |             | 00D2730468907      | 00D2730468907 | TRS.         | KTC3199-GR-AT/P                              |
| P801        | Q805     |             | 00D2730468907      | 00D2730468907 | TRS.         | KTC3199-GR-AT/P                              |
| P801        | Q806     |             | 00D2730468907      | 00D2730468907 | TRS.         | KTC3199-GR-AT/P                              |
| P801        | Q807     |             | 00D2710311906      | 00D2710311906 | TRS.         | KTA1267-GR-AT/P                              |
| P801        | Q808     |             | 00MHT41415100      | 00MHT41415100 | TRS.         | 2SD1415                                      |
| P801        | Q809     |             | 00D2710311906      | 00D2710311906 | TRS.         | KTA1267-GR-AT/P                              |
| P801        | ▲R802    |             | 00MGG05010140      | 00MGG05010140 | RES.         | ! 1 OHM +-5% 1/4W ERD25FYJ1R0T               |
| P801        | ▲R803    |             | 00MGG05010140      | 00MGG05010140 | RES.         | ! 1 OHM +-5% 1/4W ERD25FYJ1R0T               |
| P801        | ▲R804    |             | 00MGG05010120      | 00MGG05010120 | RES.         | ! ERD50FJ1R0P                                |
| P801        | R805     |             | nsp                | 00MGD05682160 | RES.         | 6.8K OHM +- 5% 1/6W                          |
| P801        | R806     |             | nsp                | 00MGD05222160 | RES.         | 2.2K OHM +- 5% 1/6W                          |
| P801        | R807     |             | nsp                | 00MGD05101160 | RES.         | 100 OHM +- 5% 1/6W                           |
| P801        | ▲R808    |             | 00MGG05100160      | 00MGG05100160 | RES.         | ! 10 OHM +- 5% 1/6W                          |
| P801        | R809     |             | nsp                | 00MGD05563160 | RES.         | 56K OHM +- 5% 1/6W                           |
| P801        | R810     |             | nsp                | 00MGD05563160 | RES.         | 56K OHM +- 5% 1/6W                           |
| P801        | R811     |             | nsp                | 00MGD05103160 | RES.         | 10K OHM +- 5% 1/6W                           |
| P801        | R812     |             | nsp                | 00MGD05103160 | RES.         | 10K OHM +- 5% 1/6W                           |
| P801        | R813     |             | nsp                | 00MGD05563160 | RES.         | 56K OHM +- 5% 1/6W                           |
| P801        | R814     |             | nsp                | 00MGD05563160 | RES.         | 56K OHM +- 5% 1/6W                           |
| P801        | R815     |             | nsp                | 00MGD05103160 | RES.         | 10K OHM +- 5% 1/6W                           |
| P801        | R816     |             | nsp                | 00MGD05103160 | RES.         | 10K OHM +- 5% 1/6W                           |
| P801        | R817     |             | nsp                | 00MGD05393160 | RES.         | 39K OHM +- 5% 1/6W                           |
| P801        | R818     |             | nsp                | 00MGD05103160 | RES.         | 10K OHM +- 5% 1/6W                           |
| P801        | R820     |             | nsp                | 00MGD05101160 | RES.         | 100 OHM +- 5% 1/6W                           |
| P801        | ▲R821    |             | 00MGG05100160      | 00MGG05100160 | RES.         | ! 10 OHM +- 5% 1/6W                          |
| P801        | R822     |             | nsp                | 00MGD05333160 | RES.         | 33K OHM +- 5% 1/6W                           |
| P801        | R823     |             | nsp                | 00MGD05103160 | RES.         | 10K OHM +- 5% 1/6W                           |
| P801        | R824     |             | nsp                | 00MGD05103160 | RES.         | 10K OHM +- 5% 1/6W                           |
| P801        | ▲R825    |             | 00MGG05220160      | 00MGG05220160 | RES.         | ! 22 OHM +- 5% 1/6W                          |
|             |          |             |                    |               |              | <b>SOFT START PWB (P851) (00MWA04AJ804-)</b> |
| P851        | ▲C851    |             | 133750061200S      | 133750061200S | FILM CAP.    | # PHE840MA5100MA01R05                        |
| P851        | ▲C852    |             | 133750061200S      | 133750061200S | FILM CAP.    | # PHE840MA5100MA01R05                        |
| P851        | C853     |             | nsp                | 00MOA47703520 | ELECT. CAP.  | 470 UF M 35V RA-2                            |
| P851        | C854     |             | nsp                | 00MOA10505020 | ELECT. CAP.  | 1 UF M 50V RA-2                              |
| P851        | C855     |             | nsp                | 00MOA10803520 | ELECT. CAP.  | 1000 UF M 35V RA-2                           |
| P851        | C856     |             | nsp                | 00MOA10701020 | ELECT. CAP.  | 100 UF M 10V RA-2                            |
| P851        | C857     |             | nsp                | 00MOA10605020 | ELECT. CAP.  | 10 UF M 50V RA-2                             |
| P851        | C858     |             | nsp                | 00MOA47700620 | ELECT. CAP.  | 470 UF M 6.3V RA-2                           |

NOTE : "nsp" PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

| P.W.B. NAME                                    | POS. NO. | VERS. COLOR | PART NO. (FOR EUR) | PART NO. (MZ) | PART NAME    | DESCRIPTION                     |
|--|----------|-------------|--------------------|---------------|--------------|---------------------------------|
| P851   | ▲C859    |             | 133750061200S      | 133750061200S | FILM CAP.    | # PHE840MA5100MA01R05           |
| P851   | ▲D851    |             | 00MHD20055100      | 00MHD20055100 | DIODE        | ! SHOTTKY 11EQS10 1A 100V       |
| P851   | ▲D852    |             | 00MHD20055100      | 00MHD20055100 | DIODE        | ! SHOTTKY 11EQS10 1A 100V       |
| P851   | ▲D853    |             | 00MHD20055100      | 00MHD20055100 | DIODE        | ! SHOTTKY 11EQS10 1A 100V       |
| P851   | ▲D854    |             | 00MHD20055100      | 00MHD20055100 | DIODE        | ! SHOTTKY 11EQS10 1A 100V       |
| P851   | ▲D855    |             | 00MHD20055100      | 00MHD20055100 | DIODE        | ! SHOTTKY 11EQS10 1A 100V       |
| P851   | ▲D856    |             | 00MHD20055100      | 00MHD20055100 | DIODE        | ! SHOTTKY 11EQS10 1A 100V       |
| P851   | ▲D857    |             | 00MHD20055100      | 00MHD20055100 | DIODE        | ! SHOTTKY 11EQS10 1A 100V       |
| P851   | D858     |             | nsp                | 00MHD20002000 | DIODE        | 1SS133 T-77                     |
| P851   | D859     |             | nsp                | 00MHD20002000 | DIODE        | 1SS133 T-77                     |
| P851   | ▲F851    | F N         | nsp                | 0520100200020 | FUSE         | # 0218010.MXP                   |
| P851   | ▲F851    | /K1G        | nsp                | 0520100170060 | FUSE         | # T5A L 250V 0218005.MXP        |
| P851   | ▲F851    | /N1G        | 0520100170060      | 0520100170060 | FUSE         | # T5A L 250V 0218005.MXP        |
| P851   | ▲F851    | /N1S        | 0520100170060      | 0520100170060 | FUSE         | # T5A L 250V 0218005.MXP        |
| P851   | ▲F851    | /U1G        | nsp                | 0520100200020 | FUSE         | # 0218010.MXP                   |
| P851   | ▲G851    |             | 00MBF68400010      | 00MBF68400010 | CAP.COMP.    | ! 0.68UF/4.7OHM                 |
| P851   | ▲L851    | F N         | nsp                | 00MTS13521210 | TRANSF.      | # POWER TRANSF. FOR BACKUP 100V |
| P851   | ▲L851    | /K1G        | nsp                | 00MTS13521230 | TRANSF.      | # POWER TRANSF. FOR BACKUP 230V |
| P851   | ▲L851    | /N1G        | 00MTS13521230      | 00MTS13521230 | TRANSF.      | # POWER TRANSF. FOR BACKUP 230V |
| P851   | ▲L851    | /N1S        | 00MTS13521230      | 00MTS13521230 | TRANSF.      | # POWER TRANSF. FOR BACKUP 230V |
| P851   | ▲L851    | /U1G        | nsp                | 00MTS13521220 | TRANSF.      | # POWER TRANSF. FOR BACKUP 120V |
| P851   | ▲L852    |             | 682010008007S      | 682010008007S | RELAY        | ! FTR-H2AK024T-TH POWER RELAY   |
| P851   | ▲L853    |             | 682010008007S      | 682010008007S | RELAY        | ! FTR-H2AK024T-TH POWER RELAY   |
| P851   | L854     |             | 00MFC90050060      | 00MFC90050060 | FERRITE CORE | FERRIT BEADS (B-01-AT1F)        |
| P851   | L855     |             | 00MFC90050060      | 00MFC90050060 | FERRITE CORE | FERRIT BEADS (B-01-AT1F)        |
| P851   | L856     |             | 00MFC90050060      | 00MFC90050060 | FERRITE CORE | FERRIT BEADS (B-01-AT1F)        |
| P851   | L857     |             | 00MFC90050060      | 00MFC90050060 | FERRITE CORE | FERRIT BEADS (B-01-AT1F)        |
| P851   | L858     |             | 00MFC90050060      | 00MFC90050060 | FERRITE CORE | FERRIT BEADS (B-01-AT1F)        |
| P851   | L859     |             | 00MFC90050060      | 00MFC90050060 | FERRITE CORE | FERRIT BEADS (B-01-AT1F)        |
| P851   | L860     |             | 00MFC90050060      | 00MFC90050060 | FERRITE CORE | FERRIT BEADS (B-01-AT1F)        |
| P851   | Q851     |             | 00D2710311906      | 00D2710311906 | TRS.         | KTA1267-GR-AT/P                 |
| P851   | Q852     |             | 00D2710311906      | 00D2710311906 | TRS.         | KTA1267-GR-AT/P                 |
| P851   | Q853     |             | 00D2690206908      | 00D2690206908 | TRS.         | KRC102M-AT/P (10K-10K)          |
| P851   | Q854     |             | 00D2690206908      | 00D2690206908 | TRS.         | KRC102M-AT/P (10K-10K)          |
| P851   | Q855     |             | 00MHC3890509F      | 00MHC3890509F | IC           | NJM7805FA +5V                   |
| P851   | Q856     |             | 00MHT800931A0      | 00MHT800931A0 | TRS.         | KTC3200 NPN RANK=GR             |
| P851   | ▲R851    |             | 00MG05010160       | 00MG05010160  | RES.         | ! 1 OHM +- 5% 1/6W              |
| P851   | ▲R852    |             | 00MNQ15022070      | 00MNQ15022070 | ROTOR RES.   | ! 2.2 OHM 7W W/TEMP.FUSE        |
| P851   | ▲R853    |             | 00MNQ15022070      | 00MNQ15022070 | ROTOR RES.   | ! 2.2 OHM 7W W/TEMP.FUSE        |
| P851   | R856     |             | nsp                | 00MGD05473160 | RES.         | 47K OHM +- 5% 1/6W              |
| P851   | R857     |             | nsp                | 00MGD05473160 | RES.         | 47K OHM +- 5% 1/6W              |
| P851   | R858     |             | nsp                | 00MGD05153160 | RES.         | 15K OHM +- 5% 1/6W              |
| P851   | R859     |             | nsp                | 00MGD05153160 | RES.         | 15K OHM +- 5% 1/6W              |
| P851   | R860     |             | nsp                | 00MGD05471160 | RES.         | 470 OHM +- 5% 1/6W              |
| P851   | R861     |             | nsp                | 00MGD05182160 | RES.         | 1.8K OHM +- 5% 1/6W             |
| P851   | R862     |             | nsp                | 00MGD05104160 | RES.         | 100K OHM +- 5% 1/6W             |
| P851   | RR81     | F N         | nsp                | 00MGD05000160 | RES.         | 0 OHM +- 5% 1/6W                |
| P851   | RR82     | /K1G        | nsp                | 00MGD05000160 | RES.         | 0 OHM +- 5% 1/6W                |
| P851   | RR82     | /N1G        | nsp                | 00MGD05000160 | RES.         | 0 OHM +- 5% 1/6W                |
| P851   | RR82     | /N1S        | nsp                | 00MGD05000160 | RES.         | 0 OHM +- 5% 1/6W                |
| P851   | RR83     | /U1G        | nsp                | 00MGD05000160 | RES.         | HM +- 1 W                       |
| <b>POWER SWITCH PWB (P891) (00MWG04AJ709-)</b> |          |             |                    |               |              |                                 |
| P891   | ▲C891    |             | 133750061200S      | 133750061200S | FILM CAP.    | # PHE840MA5100MA01R05           |
| P891   | ▲S891    |             | 665010008002D      | 665010008002D | SW           | ! POWER SWITCH (TV-5)           |
| <b>SPEAKER OUT PWB (P901) (00MWA04AJ803-)</b>  |          |             |                    |               |              |                                 |
| P901   | C901     | /K1G        | nsp                | 00MOF55103580 | FILM CAP.    | 0.01UF 100V +- 5% FNS           |
| P901   | C901     | /N1G        | 00MOF55103580      | 00MOF55103580 | FILM CAP.    | 0.01UF 100V +- 5% FNS           |
| P901   | C901     | /N1S        | 00MOF55103580      | 00MOF55103580 | FILM CAP.    | 0.01UF 100V +- 5% FNS           |
| P901   | C902     |             | 00MOF55393580      | 00MOF55393580 | FILM CAP.    | 0.039UF 100V +- 5% FAS          |
| P901   | C903     |             | 00MOF55393580      | 00MOF55393580 | FILM CAP.    | 0.039UF 100V +- 5% FAS          |
| P901   | C904     | /K1G        | nsp                | 00MOF55103580 | FILM CAP.    | 0.01UF 100V +- 5% FNS           |
| P901   | C904     | /N1G        | 00MOF55103580      | 00MOF55103580 | FILM CAP.    | 0.01UF 100V +- 5% FNS           |
| P901   | C904     | /N1S        | 00MOF55103580      | 00MOF55103580 | FILM CAP.    | 0.01UF 100V +- 5% FNS           |
| P901   | C908     |             | nsp                | 00MOA47602520 | ELECT. CAP.  | 47 UF M 25V RA-2                |
| P901   | D901     |             | nsp                | 00MHD20002000 | DIODE        | 1SS133 T-77                     |
| P901   | D902     |             | nsp                | 00MHD20002000 | DIODE        | 1SS133 T-77                     |
| P901   | D903     |             | nsp                | 00MHD20002000 | DIODE        | 1SS133 T-77                     |

NOTE : \*nsp\* PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

| P.W.B. NAME                                     | POS. NO. | VERS. COLOR | PART NO. (FOR EUR) | PART NO. (MZ) | PART NAME  | DESCRIPTION                          |
|---|----------|-------------|--------------------|---------------|------------|--------------------------------------|
| P901  | D904     |             | nsp                | 00MHD20002000 | DIODE      | 1SS133 T-77                          |
| P901  | D905     |             | nsp                | 00MHD20002000 | DIODE      | 1SS133 T-77                          |
| P901  | D906     |             | nsp                | 00MHD20002000 | DIODE      | 1SS133 T-77                          |
| P901  | D907     |             | nsp                | 00MHD20002000 | DIODE      | 1SS133 T-77                          |
| P901  | D908     |             | nsp                | 00MHD20002000 | DIODE      | 1SS133 T-77                          |
| P901  | D909     |             | nsp                | 00MHD20002000 | DIODE      | 1SS133 T-77                          |
| P901  | L901     |             | 00D2140213001      | 00D2140213001 | RELAY      | RELAY(FTR-F4)                        |
| P901  | L902     |             | 00D2140213001      | 00D2140213001 | RELAY      | RELAY(FTR-F4)                        |
| P901  | L903     |             | 00D2140213001      | 00D2140213001 | RELAY      | RELAY(FTR-F4)                        |
| P901  | L904     |             | 00D2140213001      | 00D2140213001 | RELAY      | RELAY(FTR-F4)                        |
| P901  | L905     |             | 00D2140208003      | 00D2140208003 | RELAY      | RELAY(NA24W-K)                       |
| P901  | Q901     |             | 00D2710311906      | 00D2710311906 | TRS.       | KTA1267-GR-AT/P                      |
| P901  | Q902     |             | 00D2710311906      | 00D2710311906 | TRS.       | KTA1267-GR-AT/P                      |
| P901  | Q903     |             | 00D2690206908      | 00D2690206908 | TRS.       | KRC102M-AT/P (10K-10K)               |
| P901  | Q904     |             | 00D2690206908      | 00D2690206908 | TRS.       | KRC102M-AT/P (10K-10K)               |
| P901  | Q905     |             | 00D2730468907      | 00D2730468907 | TRS.       | KTC3199-GR-AT/P                      |
| P901  | Q906     |             | 00D2730468907      | 00D2730468907 | TRS.       | KTC3199-GR-AT/P                      |
| P901  | Q907     |             | 00D2730468907      | 00D2730468907 | TRS.       | KTC3199-GR-AT/P                      |
| P901  | Q908     |             | 00D2690206908      | 00D2690206908 | TRS.       | KRC102M-AT/P (10K-10K)               |
| P901  | Q909     |             | 00D2710311906      | 00D2710311906 | TRS.       | KTA1267-GR-AT/P                      |
| P901  | Q910     |             | 00D2730468907      | 00D2730468907 | TRS.       | KTC3199-GR-AT/P                      |
| P901  | Q911     |             | 00D2710311906      | 00D2710311906 | TRS.       | KTA1267-GR-AT/P                      |
| P901  | Q912     |             | 00D2690206908      | 00D2690206908 | TRS.       | KRC102M-AT/P 10K-10K                 |
| P901  | Q913     |             | 00D2690204900      | 00D2690204900 | TRS.       | KRA102M-AT/P (10K-10K)               |
| P901  | Q914     |             | 00D2690206908      | 00D2690206908 | TRS.       | KRC102M-AT/P (10K-10K)               |
| P901  | Q915     |             | 00D2690206908      | 00D2690206908 | TRS.       | KRC102M-AT/P (10K-10K)               |
| P901  | Q916     |             | 00D2690206908      | 00D2690206908 | TRS.       | KRC102M-AT/P (10K-10K)               |
| P901  | R901     |             | 00MKN05100020      | 00MKN05100020 | METAL RES. | 10 OHM +- 5% 2W                      |
| P901  | R902     |             | 00MKN05100020      | 00MKN05100020 | METAL RES. | 10 OHM +- 5% 2W                      |
| P901  | R903     |             | nsp                | 00MGD05104160 | RES.       | 100K OHM +- 5% 1/6W                  |
| P901  | R904     |             | nsp                | 00MGD05104160 | RES.       | 100K OHM +- 5% 1/6W                  |
| P901  | R905     |             | 00MKN05331020      | 00MKN05331020 | METAL RES. | 330 OHM +- 5% 2W                     |
| P901  | R906     |             | 00MKN05331020      | 00MKN05331020 | METAL RES. | 330 OHM +- 5% 2W                     |
| P901  | R909     |             | nsp                | 00MGD05683160 | RES.       | 68K OHM +- 5% 1/6W                   |
| P901  | R910     |             | nsp                | 00MGD05683160 | RES.       | 68K OHM +- 5% 1/6W                   |
| P901  | R912     |             | nsp                | 00MGD05473160 | RES.       | 47K OHM +- 5% 1/6W                   |
| P901  | R913     |             | nsp                | 00MGD05473160 | RES.       | 47K OHM +- 5% 1/6W                   |
| P901  | R914     |             | nsp                | 00MGD05472160 | RES.       | 4.7K OHM +- 5% 1/6W                  |
| P901  | R915     |             | nsp                | 00MGD05472160 | RES.       | 4.7K OHM +- 5% 1/6W                  |
| P901  | R916     |             | nsp                | 00MGD05104160 | RES.       | 100K OHM +- 5% 1/6W                  |
| P901  | R917     |             | nsp                | 00MGD05223160 | RES.       | 22K OHM +- 5% 1/6W                   |
| P901  | R918     |             | nsp                | 00MGD05472160 | RES.       | 4.7K OHM +- 5% 1/6W                  |
| P901  | R919     |             | nsp                | 00MGD05472160 | RES.       | 4.7K OHM +- 5% 1/6W                  |
| P901  | R920     |             | nsp                | 00MGD05104160 | RES.       | 100K OHM +- 5% 1/6W                  |
| P901  | R921     |             | nsp                | 00MGD05223160 | RES.       | 22K OHM +- 5% 1/6W                   |
| <b>HEAD PHONE PWB (P991) (00MWG04AJ708-)</b>    |          |             |                    |               |            |                                      |
| P991  | C991     | /K1G        | nsp                | 00MOF15103540 | FILM CAP.  | APSV 103J 0.01UF(TP) 100V PP         |
| P991  | C991     | /N1G        | 00MOF15103540      | 00MOF15103540 | FILM CAP.  | APSV 103J 0.01UF(TP) 100V PP         |
| P991  | C991     | /N1S        | 00MOF15103540      | 00MOF15103540 | FILM CAP.  | APSV 103J 0.01UF(TP) 100V PP         |
| P991  | C992     | /K1G        | nsp                | 00MOF15103540 | FILM CAP.  | APSV 103J 0.01UF(TP) 100V PP         |
| P991  | C992     | N1          | 00MOF15103540      | 00MOF15103540 | FILM CAP.  | APSV 103J 0.01UF(TP) 100V PP         |
| P991  | C992     | /N1S        | 00MOF15103540      | 00MOF15103540 | FILM CAP.  | APSV 103J 0.01UF(TP) 100V PP         |
| P991  | J991     |             | 00MYJ01005190      | 00MYJ01005190 | JACK       | YKB21-5834N (GRY/GLD) HEADPHONE JACK |
| <b>PREOUT/RECOUT PWB (PA01) (00MWG04AJ703-)</b> |          |             |                    |               |            |                                      |
| PA01  | C187     | /K1G        | nsp                | 00MOF55221590 | FILM CAP.  | 220PF 200V +- 5% FAS                 |
| PA01  | C187     | /N1G        | 00MOF55221590      | 00MOF55221590 | FILM CAP.  | 220PF 200V +- 5% FAS                 |
| PA01  | C187     | /N1S        | 00MOF55221590      | 00MOF55221590 | FILM CAP.  | 220PF 200V +- 5% FAS                 |
| PA01  | C188     | /K1G        | nsp                | 00MOF55221590 | FILM CAP.  | 220PF 200V +- 5% FAS                 |
| PA01  | C188     | /N1G        | 00MOF55221590      | 00MOF55221590 | FILM CAP.  | 220PF 200V +- 5% FAS                 |
| PA01  | C188     | /N1S        | 00MOF55221590      | 00MOF55221590 | FILM CAP.  | 220PF 200V +- 5% FAS                 |
| PA01  | C189     | /K1G        | nsp                | 00MOF55221590 | FILM CAP.  | 220PF 200V +- 5% FAS                 |
| PA01  | C189     | /N1G        | 00MOF55221590      | 00MOF55221590 | FILM CAP.  | 220PF 200V +- 5% FAS                 |
| PA01  | C189     | /N1S        | 00MOF55221590      | 00MOF55221590 | FILM CAP.  | 220PF 200V +- 5% FAS                 |
| PA01  | C190     | /K1G        | nsp                | 00MOF55221590 | FILM CAP.  | 220PF 200V +- 5% FAS                 |
| PA01  | C190     | /N1G        | 00MOF55221590      | 00MOF55221590 | FILM CAP.  | 220PF 200V +- 5% FAS                 |
| PA01  | C190     | /N1S        | 00MOF55221590      | 00MOF55221590 | FILM CAP.  | 220PF 200V +- 5% FAS                 |
| PA01  | C191     | /K1G        | nsp                | 00MOF55221590 | FILM CAP.  | 220PF 200V +- 5% FAS                 |

NOTE : "nsp" PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

| P.W.B. NAME | POS. NO. | VERS. COLOR | PART NO. (FOR EUR) | PART NO. (MZ) | PART NAME                                       | DESCRIPTION                    |
|-------------|----------|-------------|--------------------|---------------|---|--------------------------------|
| PA01        | C191     | /N1G        | 00MOF55221590      | 00MOF55221590 | FILM CAP.                                       | 220PF 200V +- 5% FAS           |
| PA01        | C191     | /N1S        | 00MOF55221590      | 00MOF55221590 | FILM CAP.                                       | 220PF 200V +- 5% FAS           |
| PA01        | C192     | /K1G        | nsp                | 00MOF55221590 | FILM CAP.                                       | 220PF 200V +- 5% FAS           |
| PA01        | C192     | /N1G        | 00MOF55221590      | 00MOF55221590 | FILM CAP.                                       | 220PF 200V +- 5% FAS           |
| PA01        | C192     | /N1S        | 00MOF55221590      | 00MOF55221590 | FILM CAP.                                       | 220PF 200V +- 5% FAS           |
| PA01        | J181     |             | 00MYT02021390      | 00MYT02021390 | TERMINAL  | 2P CINCH JACK (T6743 BLK/BLK)  |
| PA01        | J182     |             | 00MYT02021390      | 00MYT02021390 | TERMINAL  | 2P CINCH JACK (T6743 BLK/BLK)  |
| PA01        | J183     |             | 00MYT02021390      | 00MYT02021390 | TERMINAL  | 2P CINCH JACK (T6743 BLK/BLK)  |
| PA01        | R181     |             | nsp                | 00MGD05104160 | RES.  | 100K OHM +- 5% 1/6W            |
| PA01        | R182     |             | nsp                | 00MGD05104160 | RES.  | 100K OHM +- 5% 1/6W            |
| PA01        | R183     |             | nsp                | 00MGD05104160 | RES.  | 100K OHM +- 5% 1/6W            |
| PA01        | R184     |             | nsp                | 00MGD05104160 | RES.  | 100K OHM +- 5% 1/6W            |
| PA01        | R185     |             | nsp                | 00MGD05104160 | RES.  | 100K OHM +- 5% 1/6W            |
| PA01        | R186     |             | nsp                | 00MGD05104160 | RES.  | 100K OHM +- 5% 1/6W            |
|             |          |             |                    |               | <b>BUS INTERFACE PWB (PB01) (00MWG04AJ302-)</b> |                                |
| PB01        | CB01     |             | nsp                | 00MDK98104200 | CER. CAP.                                       | GRM39F104Z16 0.1UF             |
| PB01        | CB02     |             | nsp                | 00MDK98104200 | CER. CAP.                                       | GRM39F104Z16 0.1UF             |
| PB01        | CB11     |             | nsp                | 00MDK98104200 | CER. CAP.                                       | GRM39F104Z16 0.1UF             |
| PB01        | CB12     |             | nsp                | 00MDK96102300 | CER. CAP.                                       | 1000 PF +- 10 % B 50V GR36     |
| PB01        | CB13     |             | nsp                | 00MDK96102300 | CER. CAP.                                       | 1000 PF +- 10 % B 50V GR36     |
| PB01        | CB14     |             | nsp                | 00MDK96102300 | CER. CAP.                                       | 1000 PF +- 10 % B 50V GR36     |
| PB01        | CB15     |             | nsp                | 00MDK96102300 | CER. CAP.                                       | 1000 PF +- 10 % B 50V GR36     |
| PB01        | CB16     |             | nsp                | 00MDK98104200 | CER. CAP.                                       | GRM39F104Z16 0.1UF             |
| PB01        | DB01     |             | 00MHZ21005000      | 00MHZ21005000 | CHIP DIODE                                      | 1SS301 DAN202U UMT             |
| PB01        | JB11     |             | 00MYJ01004670      | 00MYJ01004670 | JACK  | LGY6501-0600 3.5 MINI JACK     |
| PB01        | JB12     |             | 00MYJ01004670      | 00MYJ01004670 | JACK  | LGY6501-0600 3.5 MINI JACK     |
| PB01        | LB01     |             | 00D2140208003      | 00D2140208003 | RELAY   | RELAY(NA24W-K)                 |
| PB01        | QB01     |             | 00MBA21303000      | 00MBA21303000 | TRS.  | DTC124EU RN1303 UMT            |
| PB01        | QB02     |             | 00MBA10013050      | 00MBA10013050 | TRS.  | RN2303(PNPX1(22K+22K))         |
| PB01        | QB05     |             | 00MBA21303000      | 00MBA21303000 | TRS.  | DTC124EU RN1303 UMT            |
| PB01        | ▲QB21    |             | 00MHW10006320      | 00MHW10006320 | PHOTO UNIT                                      | ! PC-817 PHOTO CUPLER 1PAIR    |
| PB01        | RB01     |             | nsp                | 00MNN05473610 | CHIP RES.                                       | 47K OHM +- 5% 1/16W            |
| PB01        | RB03     |             | nsp                | 00MNN05473610 | CHIP RES.                                       | 47K OHM +- 5% 1/16W            |
| PB01        | RB04     |             | nsp                | 00MNN05101610 | CHIP RES.                                       | 100 OHM +- 5% 1/16W            |
| PB01        | RB05     |             | nsp                | 00MNN05103610 | CHIP RES.                                       | 10K OHM +- 5% 1/16W            |
| PB01        | RB06     |             | nsp                | 00MNN05102610 | CHIP RES.                                       | 1K OHM +- 5% 1/16W             |
| PB01        | RB08     |             | nsp                | 00MNN05472610 | CHIP RES.                                       | 4.7K OHM +- 5% 1/16W           |
| PB01        | RB12     |             | nsp                | 00MNN05561610 | CHIP RES.                                       | 560 OHM +- 5% 1/16W            |
| PB01        | SB01     |             | 00MSS02021620      | 00MSS02021620 | SLIDE SW  | SSSU121700                     |
|             |          |             |                    |               | <b>BALANCE INPUT PWB (PC01) (00MWG04AJ704-)</b> |                                |
| PC01        | CC03     | /K1G        | nsp                | 00MOF55101590 | FILM CAP.                                       | 100PF 200V +- 5% FAS           |
| PC01        | CC03     | /N1G        | 00MOF55101590      | 00MOF55101590 | FILM CAP.                                       | 100PF 200V +- 5% FAS           |
| PC01        | CC03     | /N1S        | 00MOF55101590      | 00MOF55101590 | FILM CAP.                                       | 100PF 200V +- 5% FAS           |
| PC01        | CC04     | /K1G        | nsp                | 00MOF55101590 | FILM CAP.                                       | 100PF 200V +- 5% FAS           |
| PC01        | CC04     | /N1G        | 00MOF55101590      | 00MOF55101590 | FILM CAP.                                       | 100PF 200V +- 5% FAS           |
| PC01        | CC04     | /N1S        | 00MOF55101590      | 00MOF55101590 | FILM CAP.                                       | 100PF 200V +- 5% FAS           |
| PC01        | CC05     | /K1G        | nsp                | 00MOF55101590 | FILM CAP.                                       | 100PF 200V +- 5% FAS           |
| PC01        | CC05     | /N1G        | 00MOF55101590      | 00MOF55101590 | FILM CAP.                                       | 100PF 200V +- 5% FAS           |
| PC01        | CC05     | /N1S        | 00MOF55101590      | 00MOF55101590 | FILM CAP.                                       | 100PF 200V +- 5% FAS           |
| PC01        | CC06     | /K1G        | nsp                | 00MOF55101590 | FILM CAP.                                       | 100PF 200V +- 5% FAS           |
| PC01        | CC06     | N1          | 00MOF55101590      | 00MOF55101590 | FILM CAP.                                       | 100PF 200V +- 5% FAS           |
| PC01        | CC06     | /N1S        | 00MOF55101590      | 00MOF55101590 | FILM CAP.                                       | 100PF 200V +- 5% FAS           |
| PC01        | JC01     |             | 00MYJ01004340      | 00MYJ01004340 | JACK  | NC3FAH2 4P CANON TYPE HOLZ     |
| PC01        | JC02     |             | 00MYJ01004340      | 00MYJ01004340 | JACK  | NC3FAH2 4P CANON TYPE HOLZ     |
|             |          |             |                    |               | <b>U-COM PWB (PD01) (00MWG04AJ301-)</b>         |                                |
| PD01        | CD02     |             | nsp                | 00MDK98104200 | CER. CAP.                                       | GRM39F104Z16 0.1UF             |
| PD01        | CD03     |             | nsp                | 00MDK98105200 | CER. CAP.                                       | 1UF 10V F                      |
| PD01        | CD04     |             | nsp                | 00MDK98105200 | CER. CAP.                                       | 1UF 10V F                      |
| PD01        | CD05     |             | nsp                | 00MDK98105200 | CER. CAP.                                       | 1UF 10V F                      |
| PD01        | CD06     |             | nsp                | 00MDK98105200 | CER. CAP.                                       | 1UF 10V F                      |
| PD01        | CD07     |             | nsp                | 00MDK98105200 | CER. CAP.                                       | 1UF 10V F                      |
| PD01        | CD10     |             | nsp                | 00MDK98104200 | CER. CAP.                                       | GRM39F104Z16 0.1UF             |
| PD01        | CD12     |             | nsp                | 00MDK96102300 | CER. CAP.                                       | 1000 PF +- 10 % B 50V GR36     |
| PD01        | CD13     |             | nsp                | 00MDK98104200 | CER. CAP.                                       | GRM39F104Z16 0.1UF             |
| PD01        | CU01     |             | nsp                | 00MDK96103300 | CER. CAP.                                       | 0.01UF +-10% 50V C1608JB1H103K |
| PD01        | CU02     |             | nsp                | 00MDK96103300 | CER. CAP.                                       | 0.01UF +-10% 50V C1608JB1H103K |
| PD01        | CU03     |             | nsp                | 00MDD95150300 | CER. CAP.                                       | 15 PF +- 5 % CG 50V GR39       |

NOTE : \*nsp\* PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

| P.W.B. NAME | POS. NO. | VERS. COLOR | PART NO. (FOR EUR) | PART NO. (MZ) | PART NAME    | DESCRIPTION                    |
|-------------|----------|-------------|--------------------|---------------|--------------|--------------------------------|
| PD01        | CU04     |             | nsp                | 00MDD95150300 | CER. CAP.    | 15 PF +- 5 % CG 50V GR39       |
| PD01        | CU05     |             | nsp                | 00MDK98104200 | CER. CAP.    | GRM39F104Z16 0.1UF             |
| PD01        | CU06     |             | nsp                | 00MDK98104200 | CER. CAP.    | GRM39F104Z16 0.1UF             |
| PD01        | CU07     |             | nsp                | 00MDK98104200 | CER. CAP.    | GRM39F104Z16 0.1UF             |
| PD01        | CU08     |             | nsp                | 00MDK98104200 | CER. CAP.    | GRM39F104Z16 0.1UF             |
| PD01        | CU09     |             | nsp                | 00MDK98104200 | CER. CAP.    | GRM39F104Z16 0.1UF             |
| PD01        | CU10     |             | nsp                | 00MDK96103300 | CER. CAP.    | 0.01UF +-10% 50V C1608JB1H103K |
| PD01        | CU11     |             | nsp                | 00MDK98104200 | CER. CAP.    | GRM39F104Z16 0.1UF             |
| PD01        | CU12     |             | nsp                | 00MDK96103300 | CER. CAP.    | 0.01UF +-10% 50V C1608JB1H103K |
| PD01        | CU13     |             | nsp                | 00MDK96103300 | CER. CAP.    | 0.01UF +-10% 50V C1608JB1H103K |
| PD01        | CU14     |             | nsp                | 00MDK96103300 | CER. CAP.    | 0.01UF +-10% 50V C1608JB1H103K |
| PD01        | CU15     |             | nsp                | 00MDK98104200 | CER. CAP.    | GRM39F104Z16 0.1UF             |
| PD01        | CU16     |             | nsp                | 00MDK96103300 | CER. CAP.    | 0.01UF +-10% 50V C1608JB1H103K |
| PD01        | CU17     |             | nsp                | 00MDK96103300 | CER. CAP.    | 0.01UF +-10% 50V C1608JB1H103K |
| PD01        | CU22     |             | nsp                | 00MDK98104200 | CER. CAP.    | GRM39F104Z16 0.1UF             |
| PD01        | CU24     |             | nsp                | 00MDK96103300 | CER. CAP.    | 0.01UF +-10% 50V C1608JB1H103K |
| PD01        | CU25     |             | nsp                | 00MDK96103300 | CER. CAP.    | 0.01UF +-10% 50V C1608JB1H103K |
| PD01        | CU26     |             | nsp                | 00MDK98104200 | CER. CAP.    | GRM39F104Z16 0.1UF             |
| PD01        | CU27     |             | nsp                | 00MDK96103300 | CER. CAP.    | 0.01UF +-10% 50V C1608JB1H103K |
| PD01        | CU30     |             | nsp                | 00MDK96103300 | CER. CAP.    | 0.01UF +-10% 50V C1608JB1H103K |
| PD01        | CU31     |             | nsp                | 00MDK96103300 | CER. CAP.    | 0.01UF +-10% 50V C1608JB1H103K |
| PD01        | CU32     |             | nsp                | 00MDK96103300 | CER. CAP.    | 0.01UF +-10% 50V C1608JB1H103K |
| PD01        | CU33     |             | nsp                | 00MDK98104200 | CER. CAP.    | GRM39F104Z16 0.1UF             |
| PD01        | CU34     |             | nsp                | 00MDK96103300 | CER. CAP.    | 0.01UF +-10% 50V C1608JB1H103K |
| PD01        | CU35     |             | nsp                | 00MDK96103300 | CER. CAP.    | 0.01UF +-10% 50V C1608JB1H103K |
| PD01        | CU36     |             | nsp                | 00MDK96103300 | CER. CAP.    | 0.01UF +-10% 50V C1608JB1H103K |
| PD01        | CU37     |             | nsp                | 00MDK96102300 | CER. CAP.    | 1000 PF +- 10 % B 50V GR36     |
| PD01        | CU39     |             | nsp                | 00MDK98104200 | CER. CAP.    | GRM39F104Z16 0.1UF             |
| PD01        | CU42     |             | nsp                | 00MDK96224200 | CER. CAP.    | 0.22UF +- 10% B 10V            |
| PD01        | CU51     |             | nsp                | 00MDK98104200 | CER. CAP.    | GRM39F104Z16 0.1UF             |
| PD01        | CU53     |             | nsp                | 00MDK98104200 | CER. CAP.    | GRM39F104Z16 0.1UF             |
| PD01        | CU54     |             | nsp                | 00MDK96102300 | CER. CAP.    | 1000 PF +- 10 % B 50V GR36     |
| PD01        | CU55     |             | nsp                | 00MDK96102300 | CER. CAP.    | 1000 PF +- 10 % B 50V GR36     |
| PD01        | CU56     |             | nsp                | 00MDK96103300 | CER. CAP.    | 0.01UF +-10% 50V C1608JB1H103K |
| PD01        | CU57     |             | nsp                | 00MDK96103300 | CER. CAP.    | 0.01UF +-10% 50V C1608JB1H103K |
| PD01        | CU58     |             | nsp                | 00MDK96103300 | CER. CAP.    | 0.01UF +-10% 50V C1608JB1H103K |
| PD01        | CU83     |             | nsp                | 00MDK96102300 | CER. CAP.    | 1000 PF +- 10 % B 50V GR36     |
| PD01        | DD01     |             | 00MHZ30751000      | 00MHZ30751000 | CHIP DIODE   | 7.5V ZENER MA8075-M UDPS7.5B   |
| PD01        | DU01     |             | 00MHI10005340      | 00MHI10005340 | L.E.D.       | HLMF-K200 #2UL RED H=9 3MM     |
| PD01        | DU02     |             | 263710014404S      | 263710014404S | L.E.D.       | SELT2E10C-S TP6 F/G RANK       |
| PD01        | DU51     |             | 00MHZ21005000      | 00MHZ21005000 | CHIP DIODE   | 1SS301 DAN202U UMT             |
| PD01        | LU01     |             | 00MFC90020210      | 00MFC90020210 | FERRITE CORE | MLB-1608-1000A-N2              |
| PD01        | LU02     |             | 00MFC90020210      | 00MFC90020210 | FERRITE CORE | MLB-1608-1000A-N2              |
| PD01        | LU04     |             | 00MFC90020210      | 00MFC90020210 | FERRITE CORE | MLB-1608-1000A-N2              |
| PD01        | LU05     |             | 00MFC90020210      | 00MFC90020210 | FERRITE CORE | MLB-1608-1000A-N2              |
| PD01        | LU06     |             | 00MFC90020210      | 00MFC90020210 | FERRITE CORE | MLB-1608-1000A-N2              |
| PD01        | LU11     |             | 00MFC90020210      | 00MFC90020210 | FERRITE CORE | MLB-1608-1000A-N2              |
| PD01        | LU12     |             | 00MFC90020210      | 00MFC90020210 | FERRITE CORE | MLB-1608-1000A-N2              |
| PD01        | LU13     |             | 00MFC90020210      | 00MFC90020210 | FERRITE CORE | MLB-1608-1000A-N2              |
| PD01        | LU14     |             | 00MFC90020210      | 00MFC90020210 | FERRITE CORE | MLB-1608-1000A-N2              |
| PD01        | L 1      |             | 00MFC90020210      | 00MFC90020210 | FERRITE CORE | MLB-1608-1000A-N2              |
| PD01        | LU17     |             | 00MFC90020210      | 00MFC90020210 | FERRITE CORE | MLB-1608-1000A-N2              |
| PD01        | LU21     |             | 00MFC90020210      | 00MFC90020210 | FERRITE CORE | MLB-1608-1000A-N2              |
| PD01        | LU22     |             | 00MFC90020210      | 00MFC90020210 | FERRITE CORE | MLB-1608-1000A-N2              |
| PD01        | LU23     |             | 00MFC90020210      | 00MFC90020210 | FERRITE CORE | MLB-1608-1000A-N2              |
| PD01        | LU24     |             | 00MFC90020210      | 00MFC90020210 | FERRITE CORE | MLB-1608-1000A-N2              |
| PD01        | LU25     |             | 00MFC90020210      | 00MFC90020210 | FERRITE CORE | MLB-1608-1000A-N2              |
| PD01        | LU26     |             | 00MFC90020210      | 00MFC90020210 | FERRITE CORE | MLB-1608-1000A-N2              |
| PD01        | LU27     |             | 00MFC90020210      | 00MFC90020210 | FERRITE CORE | MLB-1608-1000A-N2              |
| PD01        | LU28     |             | 00MFC90020210      | 00MFC90020210 | FERRITE CORE | MLB-1608-1000A-N2              |
| PD01        | LU30     |             | 00MFC90020210      | 00MFC90020210 | FERRITE CORE | MLB-1608-1000A-N2              |
| PD01        | LU31     |             | 00MFC90020210      | 00MFC90020210 | FERRITE CORE | MLB-1608-1000A-N2              |
| PD01        | LU32     |             | 00MFC90020210      | 00MFC90020210 | FERRITE CORE | MLB-1608-1000A-N2              |
| PD01        | LU33     |             | 00MFC90020210      | 00MFC90020210 | FERRITE CORE | MLB-1608-1000A-N2              |
| PD01        | LU34     |             | 00MFC90020210      | 00MFC90020210 | FERRITE CORE | MLB-1608-1000A-N2              |
| PD01        | LU35     |             | 00MFC90020210      | 00MFC90020210 | FERRITE CORE | MLB-1608-1000A-N2              |
| PD01        | LU41     |             | 00MFC90020210      | 00MFC90020210 | FERRITE CORE | MLB-1608-1000A-N2              |

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| P.W.B. NAME | POS. NO. | VERS. COLOR | PART NO. (FOR EUR) | PART NO. (MZ) | PART NAME    | DESCRIPTION                           |
|-------------|----------|-------------|--------------------|---------------|--------------|---------------------------------------|
| PD01        | LU42     |             | 00MFC90020210      | 00MFC90020210 | FERRITE CORE | MLB-1608-1000A-N2                     |
| PD01        | LU43     |             | 00MFC90020210      | 00MFC90020210 | FERRITE CORE | MLB-1608-1000A-N2                     |
| PD01        | LU44     |             | 00MFC90020210      | 00MFC90020210 | FERRITE CORE | MLB-1608-1000A-N2                     |
| PD01        | LU45     |             | 00MFC90020210      | 00MFC90020210 | FERRITE CORE | MLB-1608-1000A-N2                     |
| PD01        | LU46     |             | 00MFC90090010      | 00MFC90090010 | FERRITE CORE | ZBF503D-00(TA)-01                     |
| PD01        | QU01     |             | 00MHC60037010      | 00MHC60037010 | U-PRO        | HD64F3687H FLASH                      |
| PD01        |          |             | 00M04AJ499G00      | 00M04AJ499G00 | SOFTWARE     | SOFTWARE FOR PM-11S2 VER001           |
| PD01        | QU02     |             | 00MHC10433990      | 00MHC10433990 | IC           | AT24C08AN-10SI-2.7                    |
| PD01        | QU03     |             | 00MHC10471050      | 00MHC10471050 | IC           | TC7MBD3244AFK TAPING BUS SW           |
| PD01        | QU04     |             | 00MHC809449R0      | 00MHC809449R0 | IC           | 74HC4094BT                            |
| PD01        | QU05     |             | 00MHC10471050      | 00MHC10471050 | IC           | TC7MBD3244AFK TAPING BUS SW           |
| PD01        | QU06     |             | 00MHC008405K0      | 00MHC008405K0 | IC           | TC74VHC86FT EXOR                      |
| PD01        | QU07     |             | 00MHC10229210      | 00MHC10229210 | IC           | BD4727G 2.7V RESET IC                 |
| PD01        | QU11     |             | 00MBA21303000      | 00MBA21303000 | TRS.         | DTC124EU RN1303 UMT                   |
| PD01        | QU12     |             | 00MBA21303000      | 00MBA21303000 | TRS.         | DTC124EU RN1303 UMT                   |
| PD01        | QU13     |             | 00MBA21303000      | 00MBA21303000 | TRS.         | DTC124EU RN1303 UMT                   |
| PD01        | QU14     |             | 00MBA21303000      | 00MBA21303000 | TRS.         | DTC124EU RN1303 UMT                   |
| PD01        | QU15     |             | 00MBA21303000      | 00MBA21303000 | TRS.         | DTC124EU RN1303 UMT                   |
| PD01        | QU16     |             | 00MBA21303000      | 00MBA21303000 | TRS.         | DTC124EU RN1303 UMT                   |
| PD01        | QU17     |             | 00MHX300012A0      | 00MHX300012A0 | CHIP TRS.    | 2SC4081 (Q R) 2SC4116 (Y GR)          |
| PD01        | QU18     |             | 00MHX100012A0      | 00MHX100012A0 | CHIP TRS.    | 2SA1586 (Y GR) TE85L / 2SA1576A (Q R) |
| PD01        | QU19     |             | 00MBA12303000      | 00MBA12303000 | TRS.         | DTA124EU RN2303 UMT                   |
| PD01        | QU20     |             | 00MBA21303000      | 00MBA21303000 | TRS.         | DTC124EU RN1303 UMT                   |
| PD01        | QU22     |             | 00MBA21303000      | 00MBA21303000 | TRS.         | DTC124EU RN1303 UMT                   |
| PD01        | QU23     |             | 00MHX300012A0      | 00MHX300012A0 | CHIP TRS.    | 2SC4081 (Q R) 2SC4116 (Y GR)          |
| PD01        | QU24     |             | 00MHX300012A0      | 00MHX300012A0 | CHIP TRS.    | 2SC4081 (Q R) 2SC4116 (Y GR)          |
| PD01        | QU25     |             | 00MHX300012A0      | 00MHX300012A0 | CHIP TRS.    | 2SC4081 (Q R) 2SC4116 (Y GR)          |
| PD01        | QU26     |             | 00MBA12303000      | 00MBA12303000 | TRS.         | DTA124EU RN2303 UMT                   |
| PD01        | QU27     |             | 00MBA21303000      | 00MBA21303000 | TRS.         | DTC124EU RN1303 UMT                   |
| PD01        | QU28     |             | 00MBA12303000      | 00MBA12303000 | TRS.         | DTA124EU RN2303 UMT                   |
| PD01        | QU29     |             | 00MBA21303000      | 00MBA21303000 | TRS.         | DTC124EU RN1303 UMT                   |
| PD01        | QU30     |             | 00MBA21303000      | 00MBA21303000 | TRS.         | DTC124EU RN1303 UMT                   |
| PD01        | QU31     |             | 00MBA12303000      | 00MBA12303000 | TRS.         | DTA124EU RN2303 UMT                   |
| PD01        | QU32     |             | 00MBA21303000      | 00MBA21303000 | TRS.         | DTC124EU RN1303 UMT                   |
| PD01        | QU41     |             | 00MBA21303000      | 00MBA21303000 | TRS.         | DTC124EU RN1303 UMT                   |
| PD01        | QU42     |             | 00MBA21303000      | 00MBA21303000 | TRS.         | DTC124EU RN1303 UMT                   |
| PD01        | QU43     |             | 00MBA21303000      | 00MBA21303000 | TRS.         | DTC124EU RN1303 UMT                   |
| PD01        | QU44     |             | 00MBA21303000      | 00MBA21303000 | TRS.         | DTC124EU RN1303 UMT                   |
| PD01        | QU51     |             | 00MBA12303000      | 00MBA12303000 | TRS.         | DTA124EU RN2303 UMT                   |
| PD01        | QU56     |             | 00MHX300012A0      | 00MHX300012A0 | CHIP TRS.    | 2SC4081 (Q R) 2SC4116 (Y GR)          |
| PD01        | QU57     |             | 00MHW10004210      | 00MHW10004210 | PHOTO UNIT   | RPM6936-V4 (IR SENSOR)                |
| PD01        | RD01     |             | nsp                | 00MNN05222610 | CHIP RES.    | 2.2K OHM +- 5% 1/16W                  |
| PD01        | RD05     |             | nsp                | 00MNN05473610 | CHIP RES.    | 47K OHM +- 5% 1/16W                   |
| PD01        | RD06     |             | nsp                | 00MNN05823610 | CHIP RES.    | 82K OHM +- 5% 1/16W                   |
| PD01        | RD07     |             | nsp                | 00MNN05823610 | CHIP RES.    | 82K OHM +- 5% 1/16W                   |
| PD01        | RU01     |             | nsp                | 00MNN05104610 | CHIP RES.    | 100K OHM +- 5% 1/16W                  |
| PD01        | RU02     |             | nsp                | 00MNN05103610 | CHIP RES.    | 10K OHM +- 5% 1/16W                   |
| PD01        | RU03     |             | nsp                | 00MNN05103610 | CHIP RES.    | 10K OHM +- 5% 1/16W                   |
| PD01        | RU05     |             | nsp                | 00MNN05473610 | CHIP RES.    | 47K OHM +- 5% 1/16W                   |
| PD01        | RU07     |             | nsp                | 00MNN05473610 | CHIP RES.    | 47K OHM +- 5% 1/16W                   |
| PD01        | RU09     |             | nsp                | 00MNN05103610 | HIP RE .     | 1 K HM +- 1 1_W                       |
| PD01        | RU11     |             | nsp                | 00MNN05473610 | CHIP RES.    | 47K OHM +- 5% 1/16W                   |
| PD01        | RU12     |             | nsp                | 00MNN05473610 | CHIP RES.    | 47K OHM +- 5% 1/16W                   |
| PD01        | RU13     |             | nsp                | 00MNN05104610 | CHIP RES.    | 100K OHM +- 5% 1/16W                  |
| PD01        | RU16     |             | nsp                | 00MNN05473610 | CHIP RES.    | 47K OHM +- 5% 1/16W                   |
| PD01        | RU17     |             | nsp                | 00MNN05473610 | CHIP RES.    | 47K OHM +- 5% 1/16W                   |
| PD01        | RU19     |             | nsp                | 00MNN05473610 | CHIP RES.    | 47K OHM +- 5% 1/16W                   |
| PD01        | RU20     |             | nsp                | 00MNN05473610 | CHIP RES.    | 47K OHM +- 5% 1/16W                   |
| PD01        | RU21     |             | nsp                | 00MNN05473610 | CHIP RES.    | 47K OHM +- 5% 1/16W                   |
| PD01        | RU22     |             | nsp                | 00MNN05473610 | CHIP RES.    | 47K OHM +- 5% 1/16W                   |
| PD01        | RU23     |             | nsp                | 00MNN05472610 | CHIP RES.    | 4.7K OHM +- 5% 1/16W                  |
| PD01        | RU24     |             | nsp                | 00MNN05154610 | CHIP RES.    | 150K OHM +- 5% 1/16W                  |
| PD01        | RU27     |             | nsp                | 00MNN05101610 | CHIP RES.    | 100 OHM +- 5% 1/16W                   |
| PD01        | RU28     |             | nsp                | 00MNN05102610 | CHIP RES.    | 1K OHM +- 5% 1/16W                    |
| PD01        | RU29     |             | nsp                | 00MNN05473610 | CHIP RES.    | 47K OHM +- 5% 1/16W                   |
| PD01        | RU31     |             | nsp                | 00MNN05473610 | CHIP RES.    | 47K OHM +- 5% 1/16W                   |
| PD01        | RU32     |             | nsp                | 00MNN05223610 | CHIP RES.    | 22K OHM +- 5% 1/16W                   |

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|-------------|----------|-------------|--------------------|---------------|--|--------------------------------|
| PD01        | RU33     |             | nsp                | 00MNN05153610 | CHIP RES.                                    | 15K OHM +- 5% 1/16W            |
| PD01        | RU34     |             | nsp                | 00MNN05472610 | CHIP RES.                                    | 4.7K OHM +- 5% 1/16W           |
| PD01        | RU35     |             | nsp                | 00MNN05472610 | CHIP RES.                                    | 4.7K OHM +- 5% 1/16W           |
| PD01        | RU36     |             | nsp                | 00MNN05472610 | CHIP RES.                                    | 4.7K OHM +- 5% 1/16W           |
| PD01        | RU37     |             | nsp                | 00MNN05223610 | CHIP RES.                                    | 22K OHM +- 5% 1/16W            |
| PD01        | RU38     |             | nsp                | 00MNN05223610 | CHIP RES.                                    | 22K OHM +- 5% 1/16W            |
| PD01        | RU39     |             | nsp                | 00MNN05103610 | CHIP RES.                                    | 10K OHM +- 5% 1/16W            |
| PD01        | RU40     |             | nsp                | 00MNN05331610 | CHIP RES.                                    | 330 OHM +- 5% 1/16W            |
| PD01        | RU41     |             | nsp                | 00MNN05104610 | CHIP RES.                                    | 100K OHM +- 5% 1/16W           |
| PD01        | RU42     |             | nsp                | 00MNN05223610 | CHIP RES.                                    | 22K OHM +- 5% 1/16W            |
| PD01        | RU43     |             | nsp                | 00MNN05473610 | CHIP RES.                                    | 47K OHM +- 5% 1/16W            |
| PD01        | RU44     |             | nsp                | 00MNN05222610 | CHIP RES.                                    | 2.2K OHM +- 5% 1/16W           |
| PD01        | RU45     |             | nsp                | 00MNN05103610 | CHIP RES.                                    | 10K OHM +- 5% 1/16W            |
| PD01        | RU46     |             | nsp                | 00MNN05103610 | CHIP RES.                                    | 10K OHM +- 5% 1/16W            |
| PD01        | RU47     |             | nsp                | 00MNN05103610 | CHIP RES.                                    | 10K OHM +- 5% 1/16W            |
| PD01        | RU48     |             | nsp                | 00MNN05473610 | CHIP RES.                                    | 47K OHM +- 5% 1/16W            |
| PD01        | RU49     |             | nsp                | 00MNN05473610 | CHIP RES.                                    | 47K OHM +- 5% 1/16W            |
| PD01        | RU51     |             | nsp                | 00MNN05000610 | CHIP RES.                                    | 0 OHM +- 5% 1/16W              |
| PD01        | RU52     |             | nsp                | 00MNN05103610 | CHIP RES.                                    | 10K OHM +- 5% 1/16W            |
| PD01        | RU53     |             | nsp                | 00MNN05473610 | CHIP RES.                                    | 47K OHM +- 5% 1/16W            |
| PD01        | RU54     |             | nsp                | 00MNN05101610 | CHIP RES.                                    | 100 OHM +- 5% 1/16W            |
| PD01        | RU55     |             | nsp                | 00MNN05183610 | CHIP RES.                                    | 18K OHM +- 5% 1/16W            |
| PD01        | RU56     |             | nsp                | 00MNN05470610 | CHIP RES.                                    | 47 OHM +- 5% 1/16W             |
| PD01        | RU94     |             | nsp                | 00MNN05103610 | CHIP RES.                                    | 10K OHM +- 5% 1/16W            |
| PD01        | RU95     |             | nsp                | 00MNN05101610 | CHIP RES.                                    | 100 OHM +- 5% 1/16W            |
| PD01        | XU01     |             | 00MFQ08004060      | 00MFQ08004060 | CER. VIB.                                    | CSTS MG 8MHZ (15PF)            |
| PD01        | XU02     |             | 00MXO001001T0      | 00MXO001001T0 | X'TAL  | DT-38 32.768KHZ                |
|             |          |             |                    |               | <b>TACT LEFT PWB (PD21) (00MWG04AJ303-)</b>  |                                |
| PD21        | CU61     |             | nsp                | 00MDK96103300 | CER. CAP.                                    | 0.01UF +-10% 50V C1608JB1H103K |
| PD21        | CU67     |             | nsp                | 00MDK96103300 | CER. CAP.                                    | 0.01UF +-10% 50V C1608JB1H103K |
| PD21        | CU68     |             | nsp                | 00MDK96103300 | CER. CAP.                                    | 0.01UF +-10% 50V C1608JB1H103K |
| PD21        | CU69     |             | nsp                | 00MDK96103300 | CER. CAP.                                    | 0.01UF +-10% 50V C1608JB1H103K |
| PD21        | CU70     |             | nsp                | 00MDK96103300 | CER. CAP.                                    | 0.01UF +-10% 50V C1608JB1H103K |
| PD21        | DU62     |             | 263710015209S      | 263710015209S | L.E.D.                                       | SELT2E10C-S BALK F/G RANK      |
| PD21        | DU63     |             | 00MHI10048080      | 00MHI10048080 | L.E.D.                                       | SEL6E10C(F-RANK)BLUE LED       |
| PD21        | DU64     |             | 00MHI10048080      | 00MHI10048080 | L.E.D.                                       | SEL6E10C(F-RANK)BLUE LED       |
| PD21        | DU65     |             | 00MHI10048080      | 00MHI10048080 | L.E.D.                                       | SEL6E10C(F-RANK)BLUE LED       |
| PD21        | QU61     |             | 00MBA21303000      | 00MBA21303000 | TRS.   | DTC124EU RN1303 UMT            |
| PD21        | QU62     |             | 00MBA21303000      | 00MBA21303000 | TRS.   | DTC124EU RN1303 UMT            |
| PD21        | QU63     |             | 00MBA21303000      | 00MBA21303000 | TRS.   | DTC124EU RN1303 UMT            |
| PD21        | QU64     |             | 00MBA21303000      | 00MBA21303000 | TRS.   | DTC124EU RN1303 UMT            |
| PD21        | RU61     |             | nsp                | 00MNN05562610 | CHIP RES.                                    | 5.6K OHM +- 5% 1/16W           |
| PD21        | RU62     |             | nsp                | 00MNN05102610 | CHIP RES.                                    | 1K OHM +- 5% 1/16W             |
| PD21        | RU63     |             | nsp                | 00MNN05122610 | CHIP RES.                                    | 1.2K OHM +- 5% 1/16W           |
| PD21        | RU64     |             | nsp                | 00MNN05182610 | CHIP RES.                                    | 1.8K OHM +- 5% 1/16W           |
| PD21        | RU66     |             | nsp                | 00MGD05182160 | RES.   | 1.8K OHM +- 5% 1/6W            |
| PD21        | RU67     |             | nsp                | 00MNN05222610 | CHIP RES.                                    | 2.2K OHM +- 5% 1/16W           |
| PD21        | RU68     |             | nsp                | 00MNN05222610 | CHIP RES.                                    | 2.2K OHM +- 5% 1/16W           |
| PD21        | RU69     |             | nsp                | 00MNN05222610 | CHIP RES.                                    | 2.2K OHM +- 5% 1/16W           |
| PD21        | RU70     |             | nsp                | 00MNN05103610 | CHIP RES.                                    | 10K OHM +- 5% 1/16W            |
| PD21        | RU71     |             | nsp                | 00MNN05103610 | HIP RE .                                     | 1 K HM +- 11 W                 |
| PD21        | RU72     |             | nsp                | 00MNN05103610 | CHIP RES.                                    | 10K OHM +- 5% 1/16W            |
| PD21        | RU73     |             | nsp                | 00MNN05103610 | CHIP RES.                                    | 10K OHM +- 5% 1/16W            |
| PD21        | RU74     |             | nsp                | 00MNN05103610 | CHIP RES.                                    | 10K OHM +- 5% 1/16W            |
| PD21        | RU75     |             | nsp                | 00MNN05103610 | CHIP RES.                                    | 10K OHM +- 5% 1/16W            |
| PD21        | SU61     |             | 00MSP01013370      | 00MSP01013370 | PUSH SW                                      | EVQ11L05R H/5MM 160GF          |
| PD21        | SU62     |             | 00MSP01013370      | 00MSP01013370 | PUSH SW                                      | EVQ11L05R H/5MM 160GF          |
| PD21        | SU63     |             | 00MSP01013370      | 00MSP01013370 | PUSH SW                                      | EVQ11L05R H/5MM 160GF          |
| PD21        | SU64     |             | 00MSP01013370      | 00MSP01013370 | PUSH SW                                      | EVQ11L05R H/5MM 160GF          |
|             |          |             |                    |               | <b>TACT RIGHT PWB (PD31) (00MWG04AJ304-)</b> |                                |
| PD31        | CU71     |             | nsp                | 00MDK96103300 | CER. CAP.                                    | 0.01UF +-10% 50V C1608JB1H103K |
| PD31        | CU77     |             | nsp                | 00MDK96103300 | CER. CAP.                                    | 0.01UF +-10% 50V C1608JB1H103K |
| PD31        | CU78     |             | nsp                | 00MDK96103300 | CER. CAP.                                    | 0.01UF +-10% 50V C1608JB1H103K |
| PD31        | CU79     |             | nsp                | 00MDK96103300 | CER. CAP.                                    | 0.01UF +-10% 50V C1608JB1H103K |
| PD31        | CU80     |             | nsp                | 00MDK96103300 | CER. CAP.                                    | 0.01UF +-10% 50V C1608JB1H103K |
| PD31        | DU72     |             | 263710015209S      | 263710015209S | L.E.D.                                       | SELT2E10C-S BALK F/G RANK      |
| PD31        | DU73     |             | 00MHI10048080      | 00MHI10048080 | L.E.D.                                       | SEL6E10C(F-RANK)BLUE LED       |

NOTE : "nsp" PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.



| P.W.B. NAME | POS. NO. | VERS. COLOR | PART NO. (FOR EUR) | PART NO. (MZ) | PART NAME                                   | DESCRIPTION                           |
|-------------|----------|-------------|--------------------|---------------|---|---------------------------------------|
| PD31        | DU74     |             | 00MHI10048080      | 00MHI10048080 | L.E.D.                                      | SEL6E10C(F-RANK)BLUE LED              |
| PD31        | DU75     |             | 00MHI10048080      | 00MHI10048080 | L.E.D.                                      | SEL6E10C(F-RANK)BLUE LED              |
| PD31        | QU71     |             | 00MBA21303000      | 00MBA21303000 | TRS.  | DTC124EU RN1303 UMT                   |
| PD31        | QU72     |             | 00MBA21303000      | 00MBA21303000 | TRS.  | DTC124EU RN1303 UMT                   |
| PD31        | QU73     |             | 00MBA21303000      | 00MBA21303000 | TRS.  | DTC124EU RN1303 UMT                   |
| PD31        | QU74     |             | 00MBA21303000      | 00MBA21303000 | TRS.  | DTC124EU RN1303 UMT                   |
| PD31        | RU81     |             | nsp                | 00MNN05562610 | CHIP RES.                                   | 5.6K OHM +- 5% 1/16W                  |
| PD31        | RU82     |             | nsp                | 00MNN05102610 | CHIP RES.                                   | 1K OHM +- 5% 1/16W                    |
| PD31        | RU83     |             | nsp                | 00MNN05122610 | CHIP RES.                                   | 1.2K OHM +- 5% 1/16W                  |
| PD31        | RU84     |             | nsp                | 00MNN05182610 | CHIP RES.                                   | 1.8K OHM +- 5% 1/16W                  |
| PD31        | RU86     |             | nsp                | 00MGD05182160 | RES.  | 1.8K OHM +- 5% 1/6W                   |
| PD31        | RU87     |             | nsp                | 00MNN05222610 | CHIP RES.                                   | 2.2K OHM +- 5% 1/16W                  |
| PD31        | RU88     |             | nsp                | 00MNN05222610 | CHIP RES.                                   | 2.2K OHM +- 5% 1/16W                  |
| PD31        | RU89     |             | nsp                | 00MNN05222610 | CHIP RES.                                   | 2.2K OHM +- 5% 1/16W                  |
| PD31        | RU90     |             | nsp                | 00MNN05103610 | CHIP RES.                                   | 10K OHM +- 5% 1/16W                   |
| PD31        | RU91     |             | nsp                | 00MNN05103610 | CHIP RES.                                   | 10K OHM +- 5% 1/16W                   |
| PD31        | RU92     |             | nsp                | 00MNN05103610 | CHIP RES.                                   | 10K OHM +- 5% 1/16W                   |
| PD31        | RU93     |             | nsp                | 00MNN05103610 | CHIP RES.                                   | 10K OHM +- 5% 1/16W                   |
| PD31        | SU71     |             | 00MSP01013370      | 00MSP01013370 | PUSH SW                                     | EVQ11L05R H/5MM 160GF                 |
| PD31        | SU72     |             | 00MSP01013370      | 00MSP01013370 | PUSH SW                                     | EVQ11L05R H/5MM 160GF                 |
| PD31        | SU73     |             | 00MSP01013370      | 00MSP01013370 | PUSH SW                                     | EVQ11L05R H/5MM 160GF                 |
| PD31        | SU74     |             | 00MSP01013370      | 00MSP01013370 | PUSH SW                                     | EVQ11L05R H/5MM 160GF                 |
|             |          |             |                    |               | <b>BACK LIGHT PWB PD41 (00MWG04AJ707-)</b>  |                                       |
| PD41        | DD11     |             | 00MHI10005980      | 00MHI10005980 | L.E.D.                                      | NSPW515BS-S-CO                        |
| PD41        | RD11     |             | nsp                | 00MGD05103160 | RES.  | 10K OHM +- 5% 1/6W                    |
|             |          |             |                    |               | <b>SELECTOR PWB (PD61) (00MWG04AJ706-)</b>  |                                       |
| PD61        | SU82     |             | 00MSR01120070      | 00MSR01120070 | ROTARY SW                                   | SRRSIC                                |
|             |          |             |                    |               | <b>VOLUME PWB (PD71) (00MWG04AJ305-)</b>    |                                       |
| PD71        | RU57     |             | nsp                | 00MNN05103610 | CHIP RES.                                   | 10K OHM +- 5% 1/16W                   |
| PD71        | RU58     |             | nsp                | 00MNN05103610 | CHIP RES.                                   | 10K OHM +- 5% 1/16W                   |
| PD71        | RU59     |             | nsp                | 00MNN05103610 | CHIP RES.                                   | 10K OHM +- 5% 1/16W                   |
| PD71        | RU60     |             | nsp                | 00MNN05103610 | CHIP RES.                                   | 10K OHM +- 5% 1/16W                   |
| PD71        | SU81     |             | 00MSR02010140      | 00MSR02010140 | ROTARY SW                                   | EC12E2470811                          |
|             |          |             |                    |               | <b>REGULATOR PWB (PG01) (00MWA04AJ805-)</b> |                                       |
| PG01        | CG01     |             | nsp                | 00MOA15905010 | ELECT. CAP.                                 | LKG1H153MESBZT                        |
| PG01        | CG02     |             | nsp                | 00MOA15905010 | ELECT. CAP.                                 | LKG1H153MESBZT                        |
| PG01        | CG03     |             | nsp                | 00MOA476025Z0 | ELECT. CAP.                                 | ROS-25V 470M - G3#PE - T2 (47UF 25V)  |
| PG01        | CG04     |             | nsp                | 00MOA476025Z0 | ELECT. CAP.                                 | ROS-25V 470M - G3#PE - T2 (47UF 25V)  |
| PG01        | CG05     |             | nsp                | 00MOA227025R0 | ELECT. CAP.                                 | ROA-25V 221M -H5#PE - T2 (220UF 25V)  |
| PG01        | CG06     |             | nsp                | 00MOA227025R0 | ELECT. CAP.                                 | ROA-25V 221M -H5#PE - T2 (220UF 25V)  |
| PG01        | CG07     |             | nsp                | 00MOA476025Z0 | ELECT. CAP.                                 | ROS-25V 470M - G3#PE - T2 (47UF 25V)  |
| PG01        | CG08     |             | nsp                | 00MOA227010R0 | ELECT. CAP.                                 | ROA-10V 221M - H3#PE - T2 (220UF 10V) |
| PG01        | CG09     |             | nsp                | 00MOA227035Z0 | ELECT. CAP.                                 | 220UF 35V M RA-2                      |
| PG01        | DG01     |             | nsp                | 00MHD20002000 | DIODE                                       | 1SS133 T-77                           |
| PG01        | DG02     |             | nsp                | 00MHD20002000 | DIODE                                       | 1SS133 T-77                           |
| PG01        | DG03     |             | nsp                | 00MHD20002000 | DIODE                                       | 1SS133 T-77                           |
| PG01        | DG04     |             | nsp                | 00MHD20002000 | DIODE                                       | 1SS133 T-77                           |
| PG01        | DG05     |             | 00MHD32401000      | 00MHD32401000 | ZENER DIODE                                 | 24V ZENER EQUIVALENT                  |
| PG01        | DG06     |             | 00MHD32401000      | 00MHD32401000 | ZENER DIODE                                 | 24V ZENER EQUIVALENT                  |
| PG01        | DG08     |             | nsp                | 00MHD20002000 | DIODE                                       | 1SS133 T-77                           |
| PG01        | DG09     |             | 00MHD30681000      | 00MHD30681000 | ZENER DIODE                                 | 1.5V ZENER EQUIVALENT                 |
| PG01        | LG01     |             | 00MFC90050130      | 00MFC90050130 | FERRITE CORE                                | BL02RN2-R62T2 FERRITE BEAD            |
| PG01        | LG02     |             | 00MFC90050130      | 00MFC90050130 | FERRITE CORE                                | BL02RN2-R62T2 FERRITE BEAD            |
| PG01        | QG01     |             | 00D2710311906      | 00D2710311906 | TRS.  | KTA1267-GR-AT/P                       |
| PG01        | QG02     |             | 00D2730468907      | 00D2730468907 | TRS.  | KTC3199-GR-AT/P                       |
| PG01        | QG03     |             | 00MHT41415100      | 00MHT41415100 | TRS.  | 2SD1415                               |
| PG01        | QG04     |             | 00MHT21020100      | 00MHT21020100 | TRS.  | 2SB1020                               |
| PG01        | QG05     |             | 00D2710311906      | 00D2710311906 | TRS.  | KTA1267-GR-AT/P                       |
| PG01        | QG06     |             | 00MHT41415100      | 00MHT41415100 | TRS.  | 2SD1415                               |
| PG01        | RG01     |             | nsp                | 00MGD05683160 | RES.  | 68K OHM +- 5% 1/6W                    |
| PG01        | RG03     |             | nsp                | 00MGD05221160 | RES.  | 220 OHM +- 5% 1/6W                    |
| PG01        | RG04     |             | nsp                | 00MGD05221160 | RES.  | 220 OHM +- 5% 1/6W                    |
| PG01        | RG05     |             | nsp                | 00MGD05101160 | RES.  | 100 OHM +- 5% 1/6W                    |
| PG01        | RG06     |             | nsp                | 00MGD05101160 | RES.  | 100 OHM +- 5% 1/6W                    |
| PG01        | ⚠RG07    |             | 00MGG05033160      | 00MGG05033160 | RES.  | ! 3.3 OHM +- 5% 1/6W                  |
| PG01        | ⚠RG08    |             | 00MGG05033160      | 00MGG05033160 | RES.  | ! 3.3 OHM +- 5% 1/6W                  |
| PG01        | RG09     |             | nsp                | 00MGD05333160 | RES.  | 33K OHM +- 5% 1/6W                    |

NOTE : \*nsp\* PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

| P.W.B. NAME | POS. NO. | VERS. COLOR | PART NO. (FOR EUR) | PART NO. (MZ) | PART NAME                                  | DESCRIPTION           |
|-------------|----------|-------------|--------------------|---------------|--|-----------------------|
| PG01        | ▲RG12    |             | 00MGG05033160      | 00MGG05033160 | RES.                                       | 1 3.3 OHM +- 5% 1/6W  |
|             |          |             |                    |               | <b>HDAM-SA3 PWB (PN01) (00MWG22AJ501-)</b> |                       |
| PN01        | DN01     |             | 00MHZ20014990      | 00MHZ20014990 | CHIP DIODE                                 | KDS122                |
| PN01        | DN02     |             | 00MHZ20014990      | 00MHZ20014990 | CHIP DIODE                                 | KDS122                |
| PN01        | DN03     |             | 00MHZ20014990      | 00MHZ20014990 | CHIP DIODE                                 | KDS122                |
| PN01        | DN04     |             | 00MHZ20014990      | 00MHZ20014990 | CHIP DIODE                                 | KDS122                |
| PN01        | JN01     |             | 00MYP07005670      | 00MYP07005670 | PLUG                                       | IMSA-6065B-06Z065-PT1 |
| PN01        | QN01     |             | 00D2710320900      | 00D2710320900 | TRS.                                       | KTA1517-GR-RTK/P      |
| PN01        | QN02     |             | 00D2730481900      | 00D2730481900 | TRS.                                       | KTC3911S-GR-RTK/P     |
| PN01        | QN03     |             | 00D2710320900      | 00D2710320900 | TRS.                                       | KTA1517-GR-RTK/P      |
| PN01        | QN04     |             | 00D2730481900      | 00D2730481900 | TRS.                                       | KTC3911S-GR-RTK/P     |
| PN01        | QN05     |             | 00D2730481900      | 00D2730481900 | TRS.                                       | KTC3911S-GR-RTK/P     |
| PN01        | QN06     |             | 00D2710320900      | 00D2710320900 | TRS.                                       | KTA1517-GR-RTK/P      |
| PN01        | QN07     |             | 00D2730481900      | 00D2730481900 | TRS.                                       | KTC3911S-GR-RTK/P     |
| PN01        | QN08     |             | 00D2710320900      | 00D2710320900 | TRS.                                       | KTA1517-GR-RTK/P      |
| PN01        | RN01     |             | nsp                | 00MGM114100G0 | RES.                                       | 10 OHM +-1% 1/4W      |
| PN01        | RN02     |             | nsp                | 00MGM114100G0 | RES.                                       | 10 OHM +-1% 1/4W      |
| PN01        | RN03     |             | nsp                | 00MNN05561610 | CHIP RES.                                  | 560 OHM +- 5% 1/16W   |
| PN01        | RN04     |             | nsp                | 00MNN05561610 | CHIP RES.                                  | 560 OHM +- 5% 1/16W   |
| PN01        | RN05     |             | nsp                | 00MGM114100G0 | RES.                                       | 10 OHM +-1% 1/4W      |
| PN01        | RN06     |             | nsp                | 00MGM114100G0 | RES.                                       | 10 OHM +-1% 1/4W      |
| PN01        | RN07     |             | nsp                | 00MNN05393610 | CHIP RES.                                  | 39K OHM +- 5% 1/16W   |
| PN01        | RN08     |             | nsp                | 00MNN05393610 | CHIP RES.                                  | 39K OHM +- 5% 1/16W   |

NOTE : "nsp" PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

## 14. ABOUT REPLACE THE MICROPROCESSOR WITH A NEW ONE

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

| PWB Name | Pos. No. | Description      | After replaced | Remark |
|----------|----------|------------------|----------------|--------|
| PD01     | QU01     | HD64F3687H FLASH | <b>C</b>       |        |

After replaced

- 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.

### マイコン等を交換した場合の対応について

U-PRO(マイコン)およびFlash ROM等を交換した場合の対応方法を下記の記載します。

| PWB Name | Pos. No. | Description      | 交換時の対応   | 備考 |
|----------|----------|------------------|----------|----|
| PD01     | QU01     | HD64F3687H FLASH | <b>C</b> |    |

交換時の対応

- A** : Mask ROM (ソフトウェア書き込み済み) 交換時にソフトウェアの書き込みは必要ありません。
- B** : Flash ROM (ソフトウェア書き込み済み) バージョンアップにより交換時にソフトウェアの書き換えが必要な場合があります。バージョンの確認をしてください。
- C** : 空ROM (Flash ROM) 交換時必ずソフトウェアの書き込みが必要になります。Update、書き込み方法を参照してください。