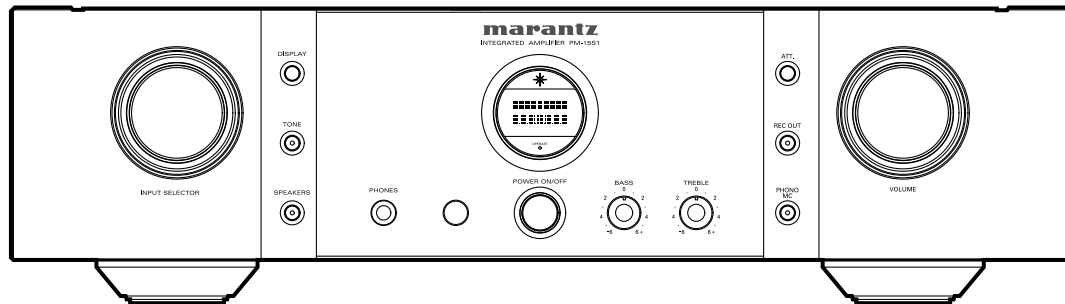


Service Manual

PM-15S1 /F N/K1G/L1G/N1G/S1G
/N1S

Integrated Amplifier



PM-15S1

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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。

marantz®

PM-15S1

Part no. 90M10AJ855010
First Issue 2005.03
MJJ

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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
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MARANTZ AMERICA, INC
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ITASCA, IL. 60143
USA
PHONE : 630 - 741 - 0300
FAX : 630 - 741 - 0301

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MARANTZ EUROPE B.V.
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BEEMDSTRAAT 11, 5653 MA EINDHOVEN
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FAX : +31 - 40 - 2507860

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PHONE : +61 - (0)3 - 9543 - 1522
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BANGKOK, 10200 THAILAND
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#08-03 PACIFIC TECH CENTRE
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FAX : +65 6376 0166

NEW ZEALAND

WILDASH AUDIO SYSTEMS NZ
14 MALVERN ROAD MT ALBERT
AUCKLAND NEW ZEALAND
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TAIPEI, 10429, TAIWAN R.O.C.
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本社 〒228-8505
神奈川県相模原市相模大野7-35-1

KOREA

MK ENTERPRISES LTD.
ROOM 604/605, ELECTRO-OFFICETEL, 16-58,
3GA, HANGANG-RO, YONGSAN-KU, SEOUL
KOREA
PHONE : +822 - 3232 - 155
FAX : +822 - 3232 - 154

CHINA

MARANTZ SHANGHAI TRADING LTD.
ROOM.506 SHANGHAI LIGHT INDUSTRY MANSION
1578 NANJING (WEST) ROAD SHANGHAI
CHINA
TEL : 021 - 6248 - 1064
FAX : 021 - 6248 - 3565

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.

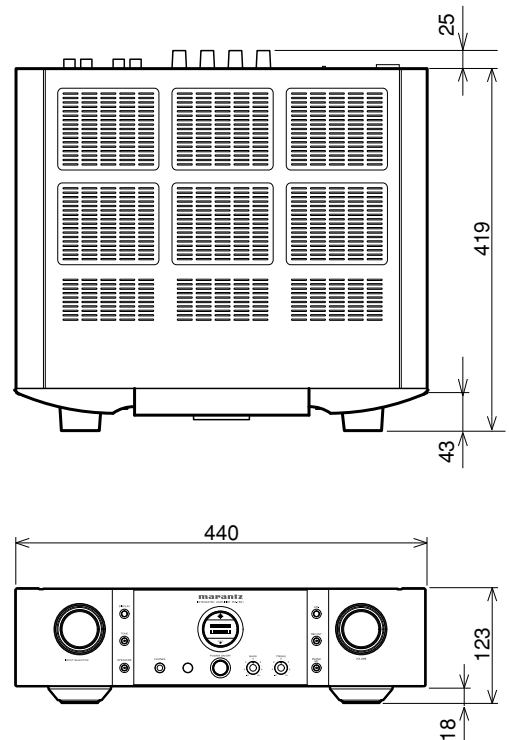
Any resistance measurement less than 1 Megohms should cause unit to be repaired or corrected before AC power is applied, and verified before it is return to the user/customer.

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)	
..... 90W x 2 (8Ω load)	
..... 140W x 2 (4Ω load)	
Total harmonic distortion (20Hz ~ 20kHz simultaneous drive of both channels, 8Ω load)	0.05%
Power band width (8Ω load, 0.05%)	5Hz ~ 40kHz
Frequency response (CD, 1W, 8Ω load)	5Hz ~ 100kHz
Dumping factor (8Ω load, 20Hz ~ 20kHz)	100
Input sensitivity/Input impedance	
PHONO (MC)	300μV/100Ω
PHONO (MM)	3.2mV/47kΩ
CD/LINE/RECORDER	240mV/20kΩ
Output voltage/Output impedance	
PRE OUT	1.7 V/330Ω
Maximum allowed PHONO input (1kHz)	
MC	15mV
MM	150mV
RIAA deviation (20Hz ~ 20kHz)	±0.5dB
S/N (IHF-A, 1W, 8Ω load)	
PHONO (MC)	77dB (0.5mV input)
PHONO (MM)	85dB (5mV input)
CD/LINE/RECORDER	90dB (500mV input)

Tone control	
Bass (50Hz)	±10dB
Treble (20kHz)	±10dB
Power requirement	AC 100V 50/60Hz [F]
	AC 220V 50/60Hz [K]
	AC 110V 60Hz [L]
	AC 230V 50Hz [N/S]
Power consumption	
(EN60065)	220W
(4Ω, 140W x 2 output)	550W
Accessories	
Remote controller	1
AAA batteries	2
Detachable AC power cable	1
Maximum outer dimensions (Amp)	
Width	440mm
Height	123mm
Depth	444mm
Weight (Amp)	18.0kg



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 (007D) to move the unit when the unit is disassembled.

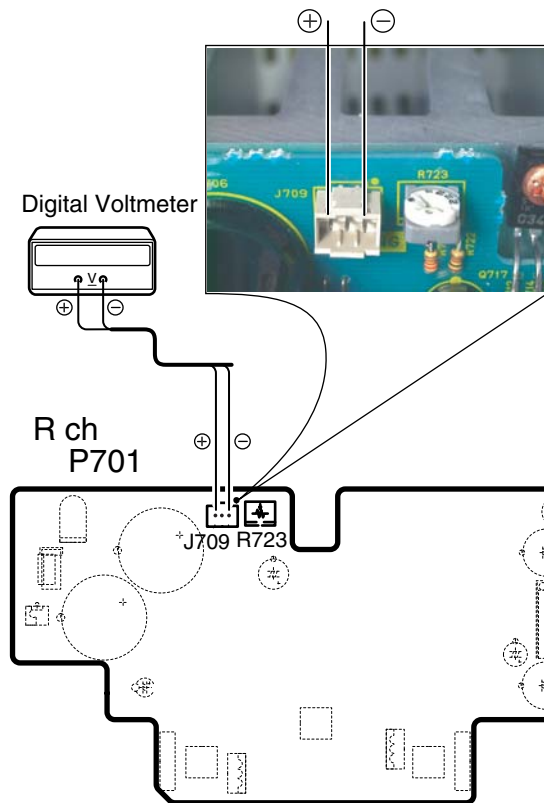
2. 注意

当機は音質を考慮したレイアウトになっています。

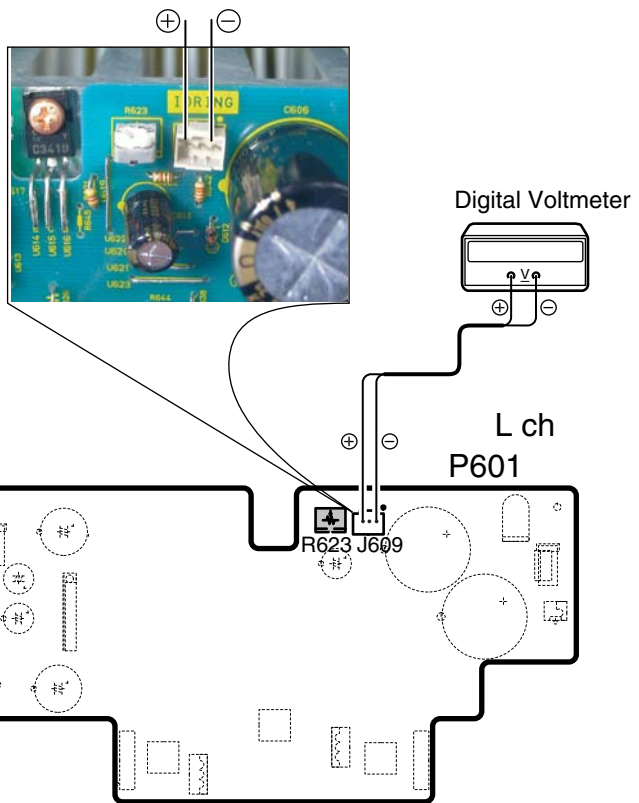
1. ネジやワッシャ類を取り外した場合、元の位置に取り付けてください。
2. ワイヤ類を取り外した場合の配線ルートは、元のルート通りに戻してください。
3. 当機を分解した状態で移動するときは、サイドパネル (007D) を持たないでください。

3. ALIGNMENTS

Idling Current Adjustment



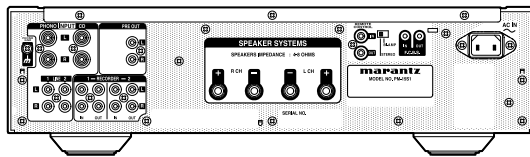
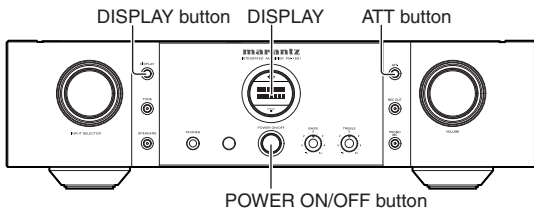
アイドルリング電流調整



1. Adjust the Idling Current with the variable resistor **R623** and **R723** on the PCB (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 **J609**.
4. "-" of Connect Digital Voltage is connected to the **No. 1 pin** and connected "+" to **No. 3 pin** of **J709**.
5. Before turning on the power, **R623** and **R723** 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 **R623** (**R723**).
 - Turn **R623** (**R723**) clockwise to increase the idling current.
 - The adjustment value of idling current is **10mV(50mA) \pm 0.5mV(2.5mA)** each.
8. **After 4 minutes, repeat the same procedure as 7.**
 - Turn **R623** (**R723**) clockwise to increase the idling current.
 - The adjustment value of idling current is **10mV(50mA) \pm 0.5mV(2.5mA)** each.
 Adjustment is completed.
9. Remove connection cable, attach the top cover.

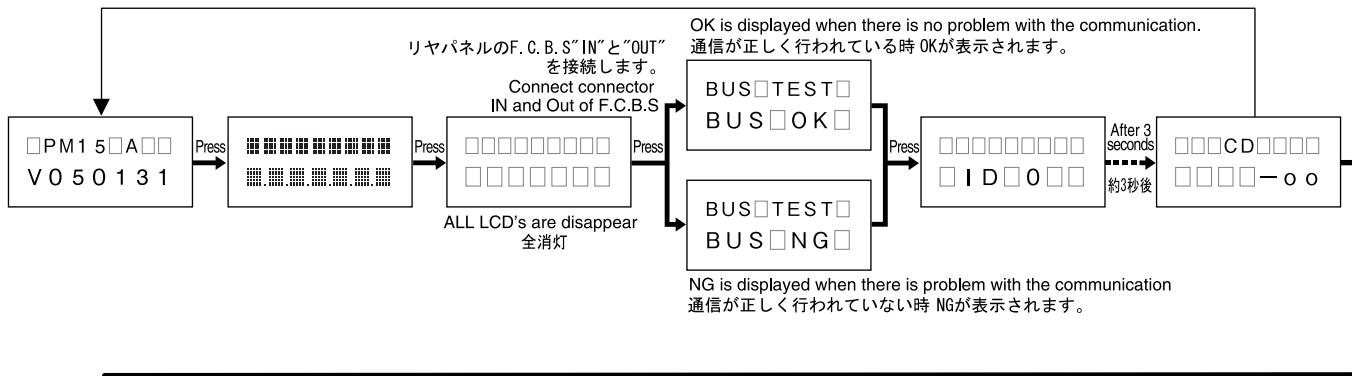
1. P601/P701 基板上の半固定抵抗 **R623** と **R723** でアイドルリング電流を調整します。
2. 電源を OFF します。
3. P601 基板の **J609** にデジタルボルトメーターを接続します。デジタルボルトメーターは **J609** の **1** 番ピン (丸印側) を "-"、**3** 番ピンを "+" に接続します。
4. P701 基板の **J709** にデジタルボルトメーターを接続します。デジタルボルトメーターは **J709** の **1** 番ピン (丸印側) を "-"、**3** 番ピンを "+" に接続します。
5. 電源を投入する前に半固定抵抗 **R623** と **R723** 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 基板の **J609** 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 **R623** をゆっくりと時計向に回してください。
 - **R623** と **R723** 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 **"10mV(50mA) \pm 0.5mV(2.5mA)"** にします。
8. さらに "4分" 経過後、上記 7. の手順でもう一度調整します。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。

4. SERVICE MODE



1. 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.
2. The Model name and Version number are displayed on the Front LCD.
Whenever press the **DISPLAY** button, the display changes as follows.
Turn off power to quit service mode.

1. 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。
(または、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。
注意：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。
2. 始めにモデル名、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。

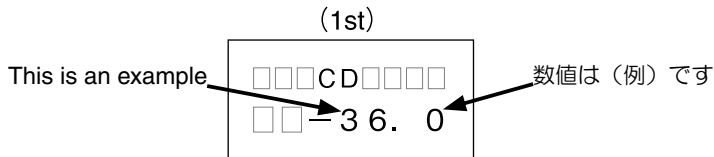


THE TRIM CHECK MODE

1. Press **TONE** button. (1 st)
Volume Level is displayed .

TRIM チェックモード

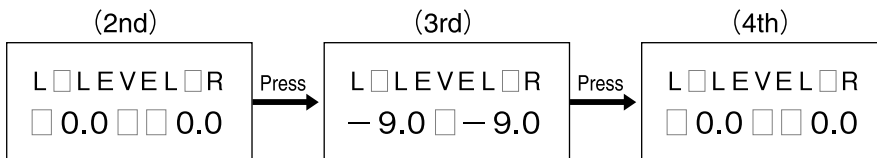
1. **TONE** ボタンを押します。(1 回目)
ディスプレイに音量が表示されます。



After, whenever press the **TONE** button, TRIM adjustment function works and output level changes according to the display.
Whenever press the **TONE** button, the display changes as follows and output level changes according to the display.

以降、**TONE** ボタンを押すごとにトリム調整機能が働き表示に従い出力レベルが変化します。

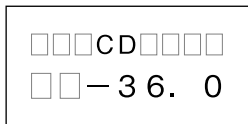
TONE ボタンを押すごとに下記のように表示が変わり、表示に従い出力レベルが変わります。



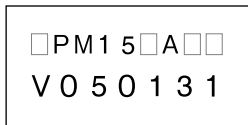
TRIM check mode is completed.

TRIM チェックモードは終了です。

2. Press **DISPLAY** button, the display will be the following. 2. **DISPLAY** ボタンを押します。下記の表示になります。



3. Press **DISPLAY** button, the display will be the following. 3. **DISPLAY** ボタンを押します。下記の表示になります。



4. Turn off power to quit service mode. Service mode can be ended if turn off power from every procedure. The memory is cleared and the unit is initialized.
4. **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。本体の設定は全て下記の出荷状態になります。

Initial settings

出荷状態内容

ID No.: 0	INPUT SELECTOR: CD	VOLUME: -∞
SIDE ILLUMINATION: ON	DISPLAY: ON	ATT: OFF
LEVEL TRIM: 0.0 (L/R)	TONE: OFF	SPEAKER : OFF
ATT: -20dB	REC OUT: OFF	PHONO MC:OFF

Be sure to set up manually.

下記は、手動で設定

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

MODE SW : STEREO (必ず設定)
POWER ON/OFF SW : OFF

ERROR MESSAGES

エラーメッセージ

Error	Contents	Measure
1 ERROR 02	The units 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"> • If the unit ID number 1 is not turn on, turn on the unit ID No.1. • Check the remote cable is connected correctly.
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"> • ID No. is changed into ID No. not overlapping. • Check the remote cable is connected correctly.

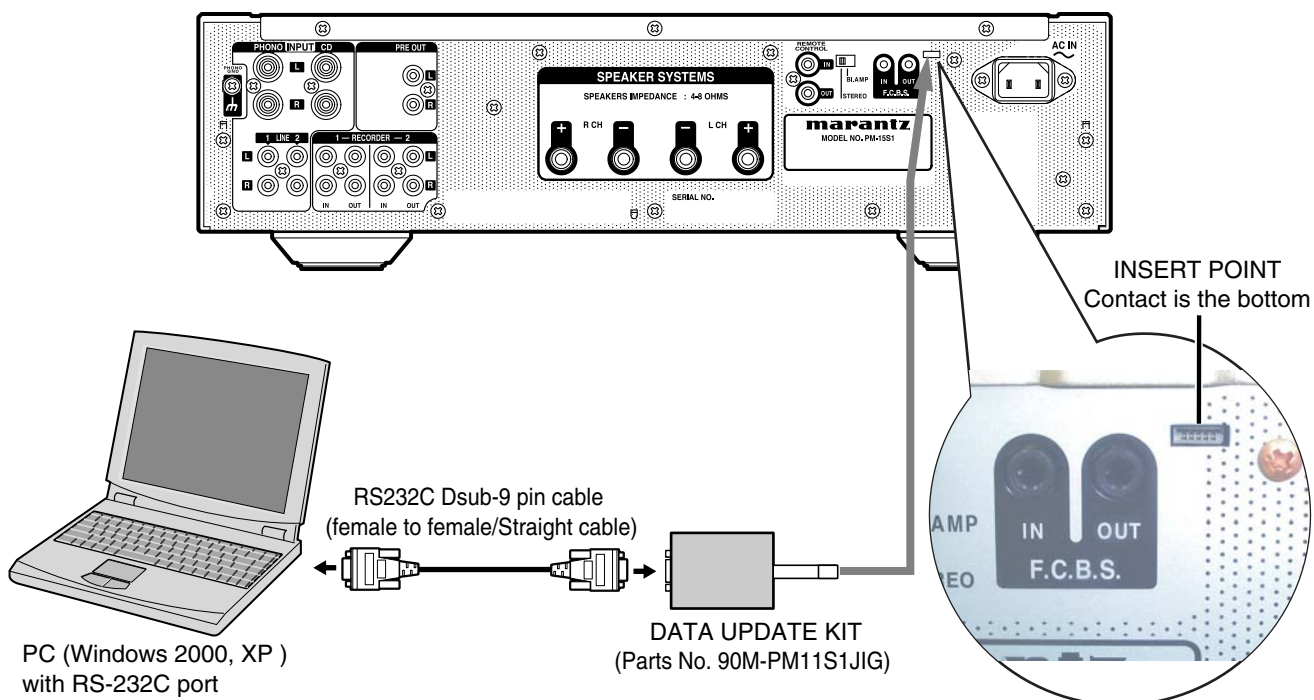
表示	内容	対策
1 ERROR 02	ID 番号 2 のアンプが重複しています。	ID 番号が重複しないように ID 番号を設定してください。
2 ERROR 03	ID 番号 3 のアンプが重複しています。	
3 ERROR 04	ID 番号 4 のアンプが重複しています。	
4 ERROR 11	ID 番号 2 ~ 4 のアンプが ID 番号 1 のアンプと通信できません。	<ul style="list-style-type: none"> • ID 番号 1 のアンプに電源が入っていない場合は電源を入れてください。 • リモートケーブルが正しく接続されているか確認してください。
5 ERROR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

5. MAIN MICROPROCESSOR (QU01) UPDATE PROCEDURE

Necessary Equipment

- Windows PC (Windows2000 or WindowsXP) with COM port
- RS232C cable straight type (9pin female – 9Pin female)
- Update Disc (90M-PM15S1CDR)
- DATA UPDATE KIT (part no.: 90M-PM11S1JIG)

5.1. Connection



5. MAIN MICROPROCESSOR (QU01) アップデート方法

必要機器

- Windows PC (OS:Windows2000 または WindowsXP) で COM port のあるもの
- RS232C ストレートケーブル (9pin メス - 9pin メス)
- マイコンアップデートディスク (90M-PM15S1CDR)
- マイコンアップデートキット (部品番号 : 90M-PM11S1JIG)

5.1. 接続図

5.2. Installs of The software
(Flash Development Toolkit 3.0)

The explanation drawing

- The explanation drawings are using **PM-11S1** in this section. Please replace with **PM-15S1** the portion currently mentioned as **PM-11S1**, and operate it

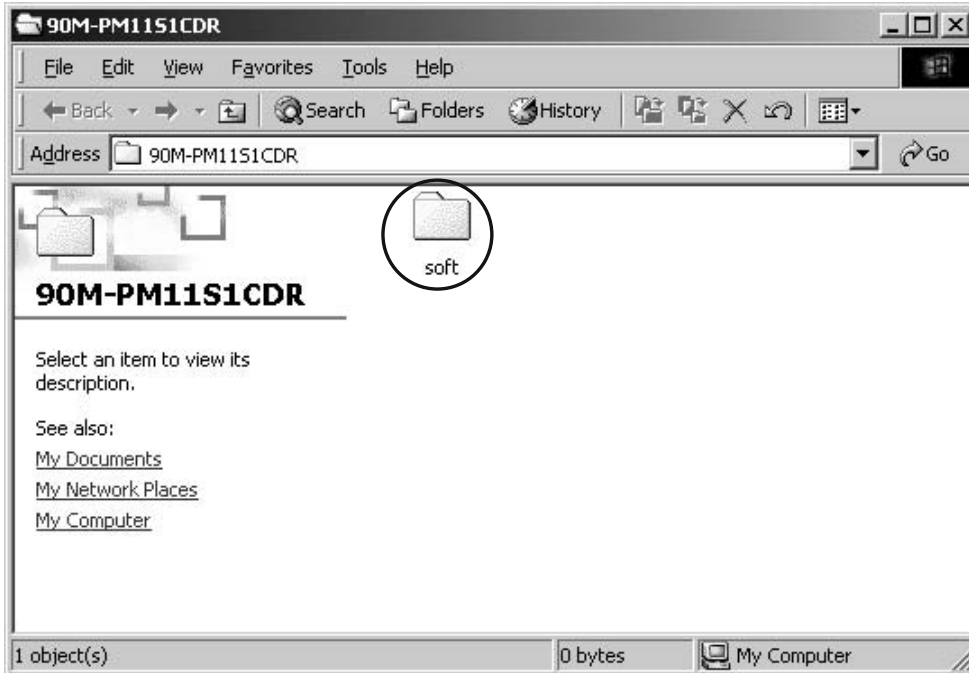
1. Open the CD-ROM (90M-PM15S1CDR) Disc, and double click soft folder.

5.2. 書き込みソフトウェアのインストール
(Flash Development Toolkit 3.0)

説明図について

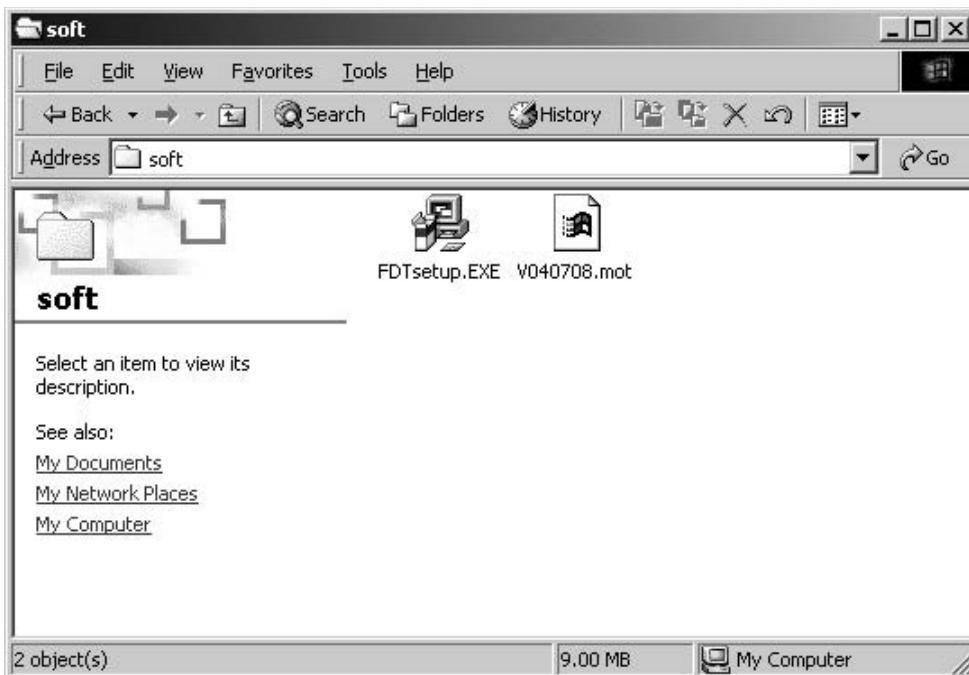
- 説明図は **PM-11S1** を使用しています。図中に **PM-11S1** と記載されている箇所は **PM-15S1** と置き換えて操作してください。

1. CD-ROM (90M-PM15S1CDR) の soft フォルダをダブルクリックします。



2. Double click the **FDT setup.exe**

2. **FDT setup.exe** をダブルクリックします。



3. Click **Next**.

3. インストールウィザードが起動します。
Next をクリックします。



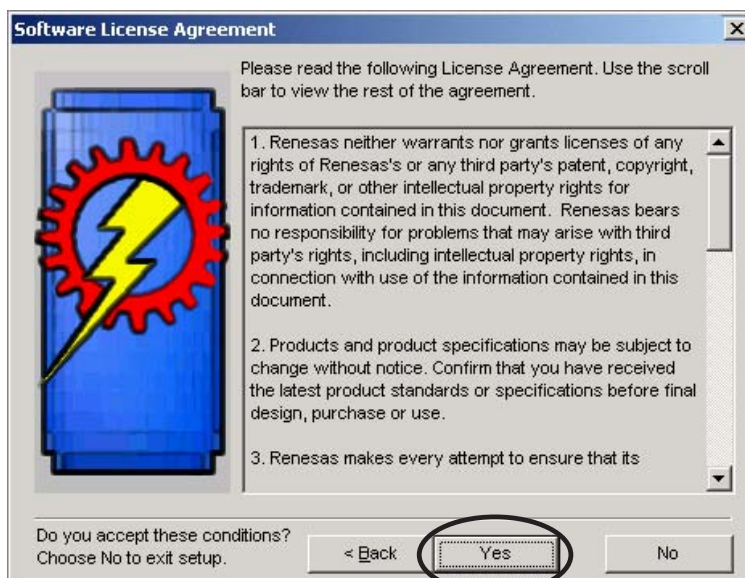
4. Choose the language. And click **Next**.

4. 言語を選んで **Next** をクリックします。



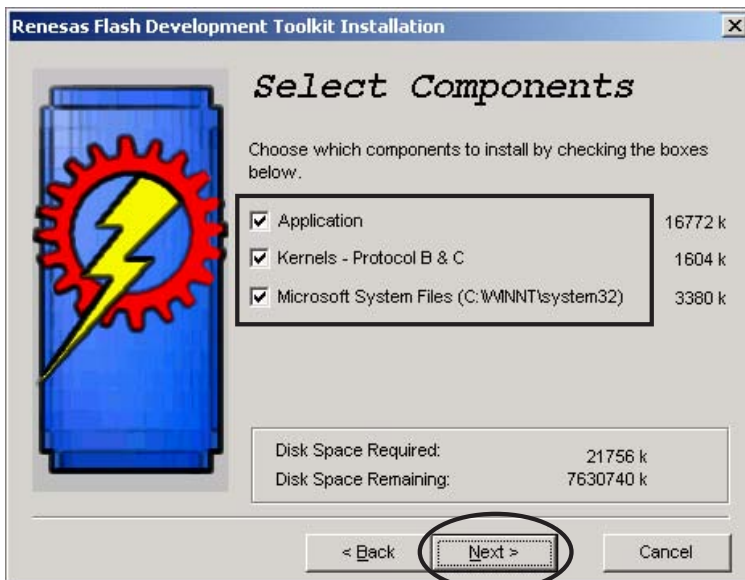
5. Click **Yes**.

5. **Yes** をクリックします。



6. Check to the all check boxes. And click **Next**.

6. チェックボックス全てにチェックが入っていることを確認して **Next** をクリックします。



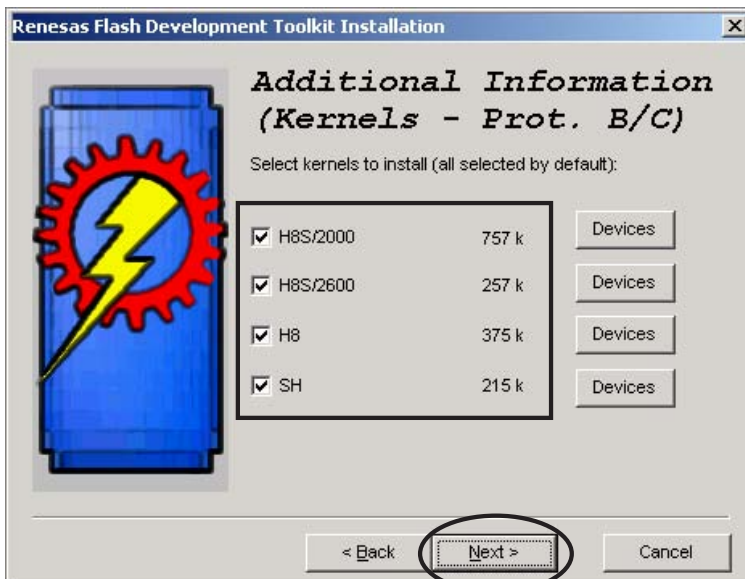
7. Click **Next**.

7. **Next** をクリックします。



8. Check to the all check boxes. And click **Next**.

8. チェックボックス全てにチェックが入っていることを確認して **Next** をクリックします。



9. Click **Next**.

9. **Next** をクリックします。



10. Click **Next**.

10. **Next** をクリックします。



11. Click **Next**.

11. **Next** をクリックします。



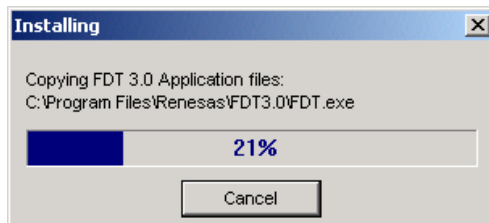
12. Click **Install**.

12. **Install** をクリックします。



13. The status bar appears.

13. インストールを開始します。



14. Click **Finish**.

14. **Finish** をクリックして書き込みソフトウェアのインストールを完了します。



5.3. The writing software setup procedure.

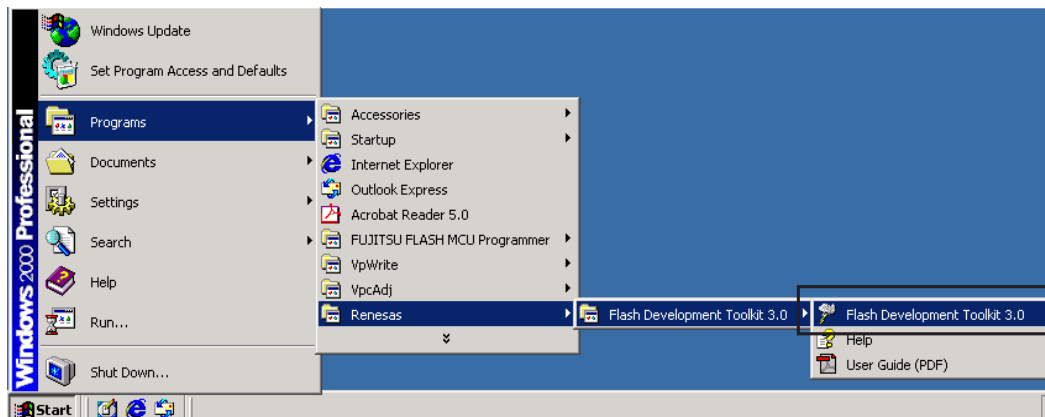
5.3. 書き込みソフトウェアの設定

Launch up the writing software.

ソフトウェアの起動

1. Click **Start / Programs / Renesas / Flash Development Toolkit 3.0 / Flash Development Toolkit 3.0**.

1. **Start / Programs / Renesas / Flash Development Toolkit 3.0 / Flash Development Toolkit 3.0** をクリックします。

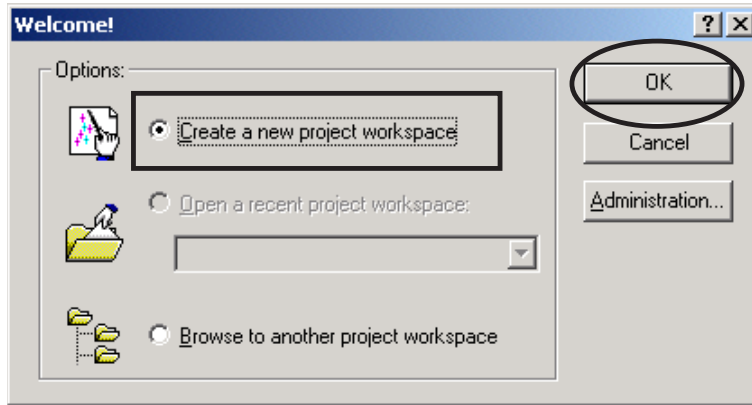


2. Click **OK**. (This window appears at every starting.)

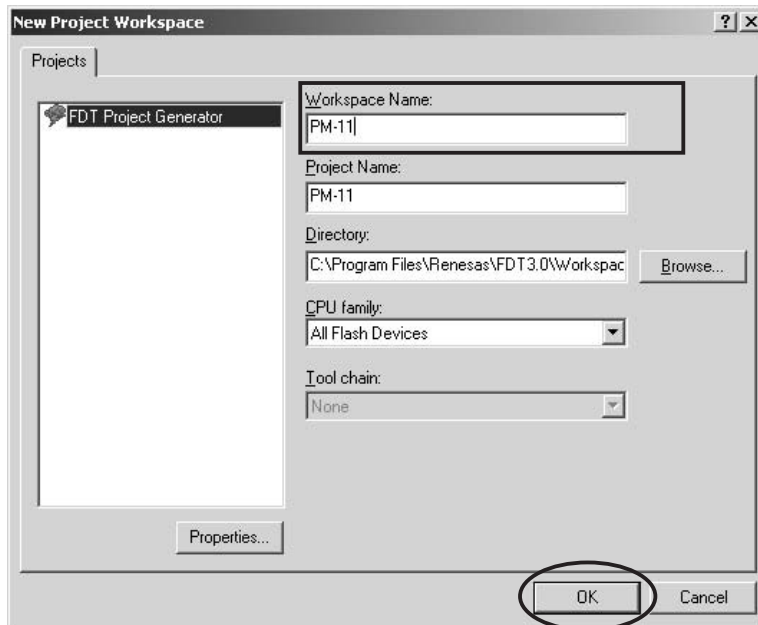
2. **OK** をクリックします。(起動のたびに下記のコマンドが出ますのでその都度 **OK** をクリックしてください。)



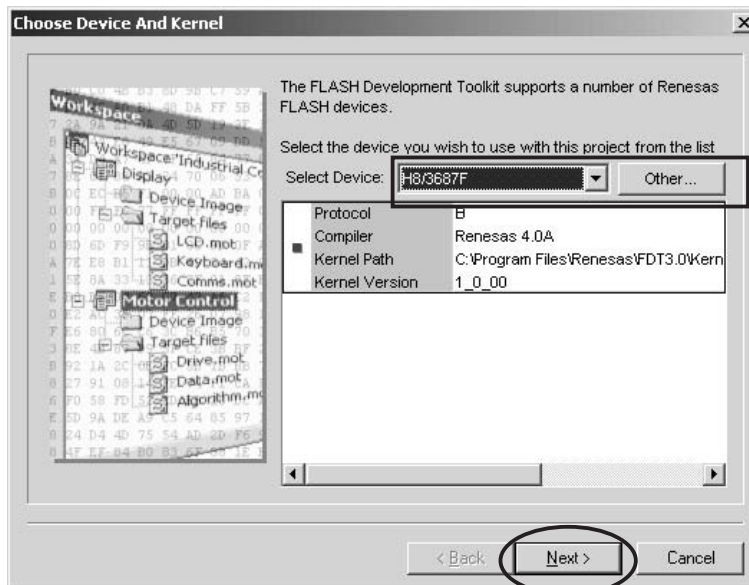
3. Check **Create a new project workspace**, and click **OK**. 3. **Create a new project workspace** にチェックを入れ、**OK** をクリックします。



4. **PM-15** is inputted into the Workspace name. (It is simultaneously inputted into Project Name.) Click **OK**. 4. Workspace Name に **PM-15** と入力します。(同時に Project Name にも入力されます。) **OK** をクリックします。

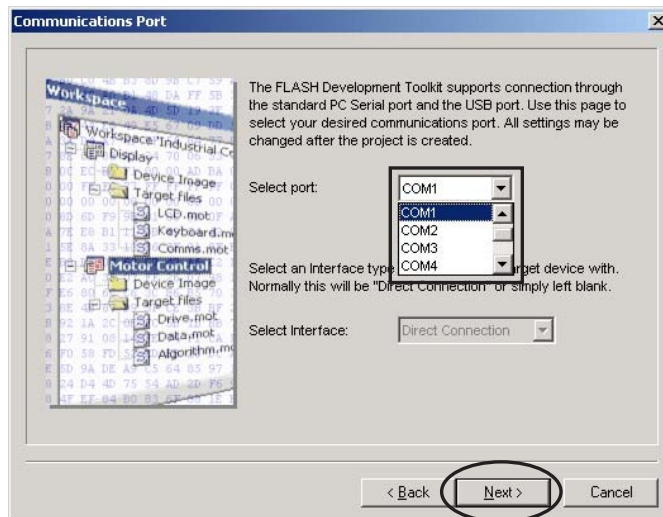


5. Choose the **H8/3687F** in Select Device. Click **Next**. 5. Select Device から **H8/3687F** を選び、クリックします。**Next** をクリックします。



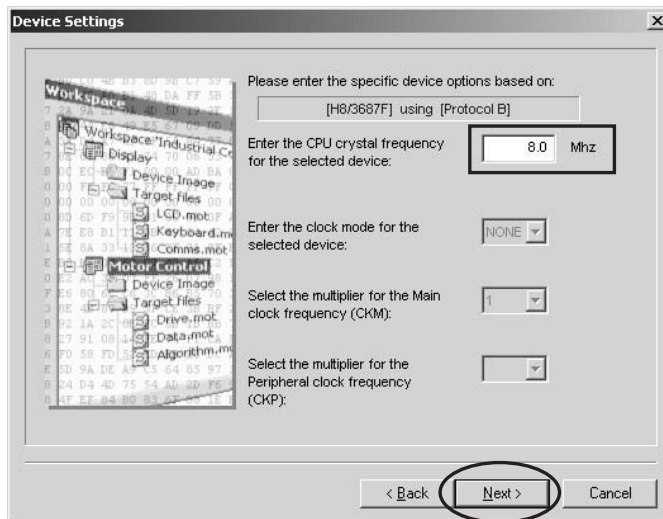
6. Choose the **Serial port No.** in the Select Port. Click **Next**.

6. Select Port から接続する **Serial Port 番号** を選び、クリックします。 **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:". Click **Next**.

7. "Enter the CPU crystal frequency for the selected device:" に **8.0** と入力します。 **Next** をクリックします。



8. Check the **BOOT Mode** in Select Connection. Choose the **19200** in Select Baud rate. Click **Next**.

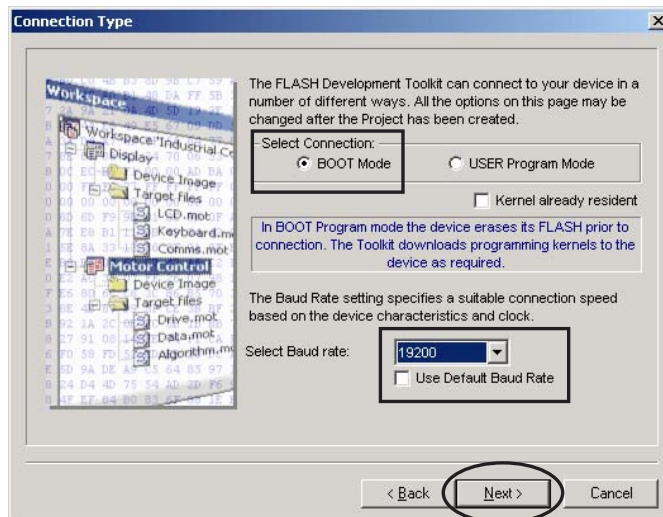
8. Select Connection: から **BOOT Mode** にチェックを入れます。 Select Baud rate: から **19200** を選び、 **Next** をクリックします。

Remark :

Please remove check mark, if it is contained in Use Default Baud Rate.

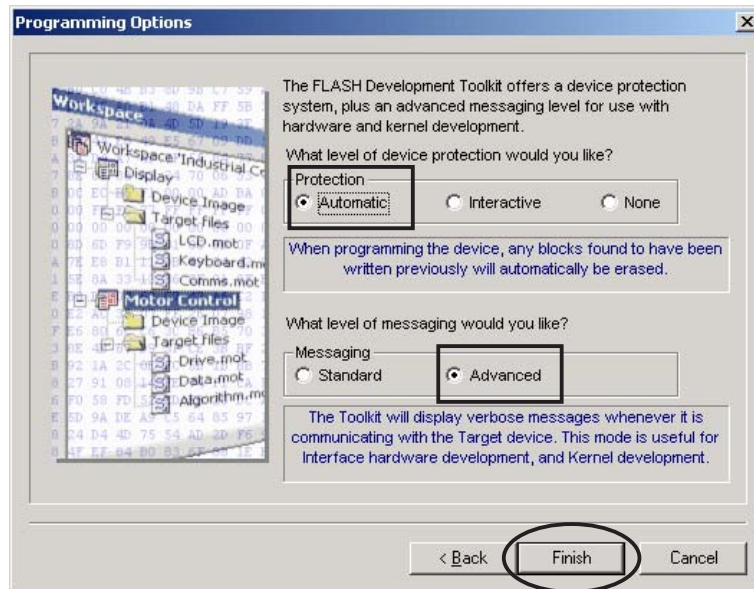
注意 :

Use Default Baud Rate にチェックが入っていると Baud Rate を変更できませんのでチェックを外してください。

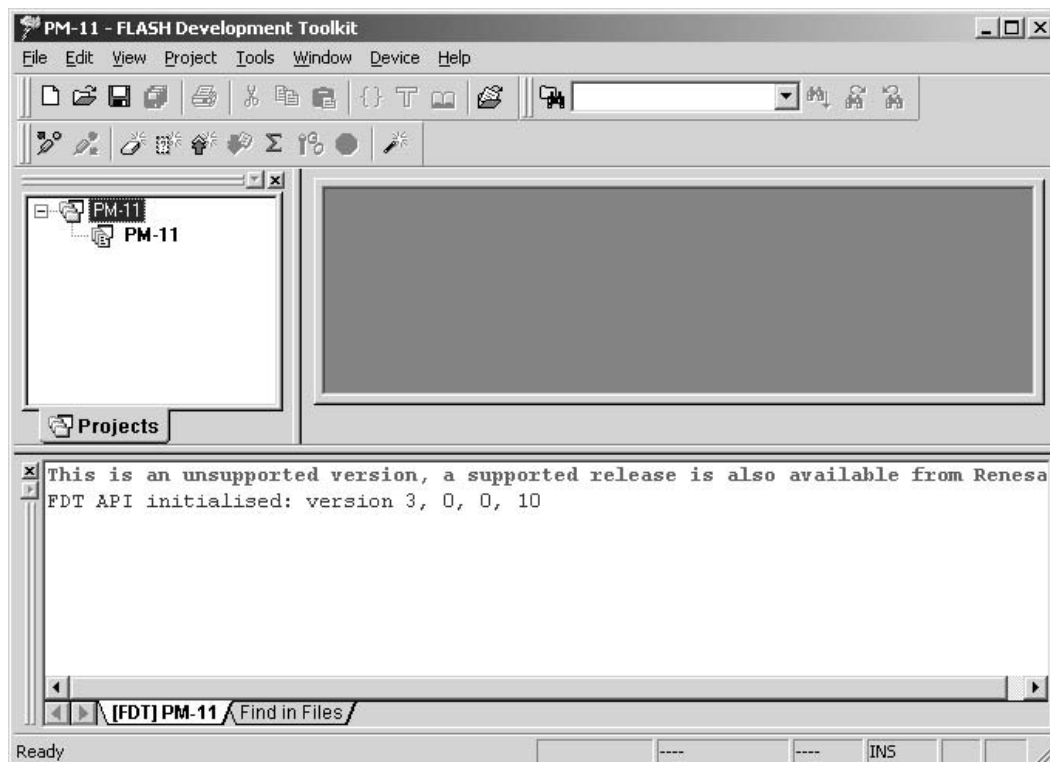


9. Check the **Automatic** in Protection.
Check the **Advanced** in Messaging.
Click **Finish**.

9. Protection から **Automatic** にチェックを入れます。
Messaging から **Advanced** にチェックを入れます。
Finish をクリックします。



以上で設定は完了です。

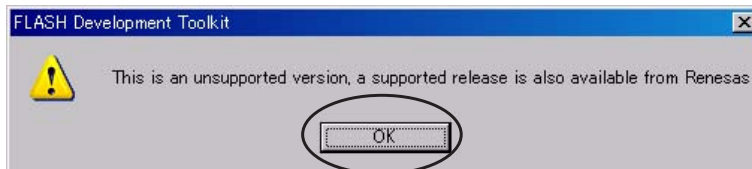


5.4. Writing procedure

1. Click **Start / Programs / Renesas / Flash Development Toolkit3.0 / Flash Development Toolkit3.0**.
2. Click **OK**. (This window appears at every starting)

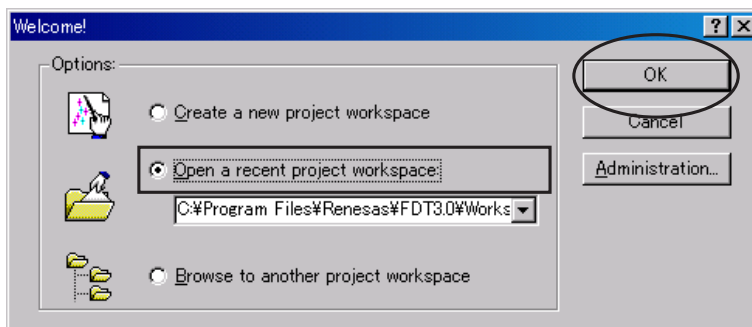
5.4. 書き込み方法

1. **Start / Programs / Renesas / Flash Development Toolkit3.0 / Flash Development Toolkit3.0** をクリックします。
2. **OK** をクリックします。(起動のたびに下記のコマンドが出ますのでその都度 **OK** をクリックしてください)



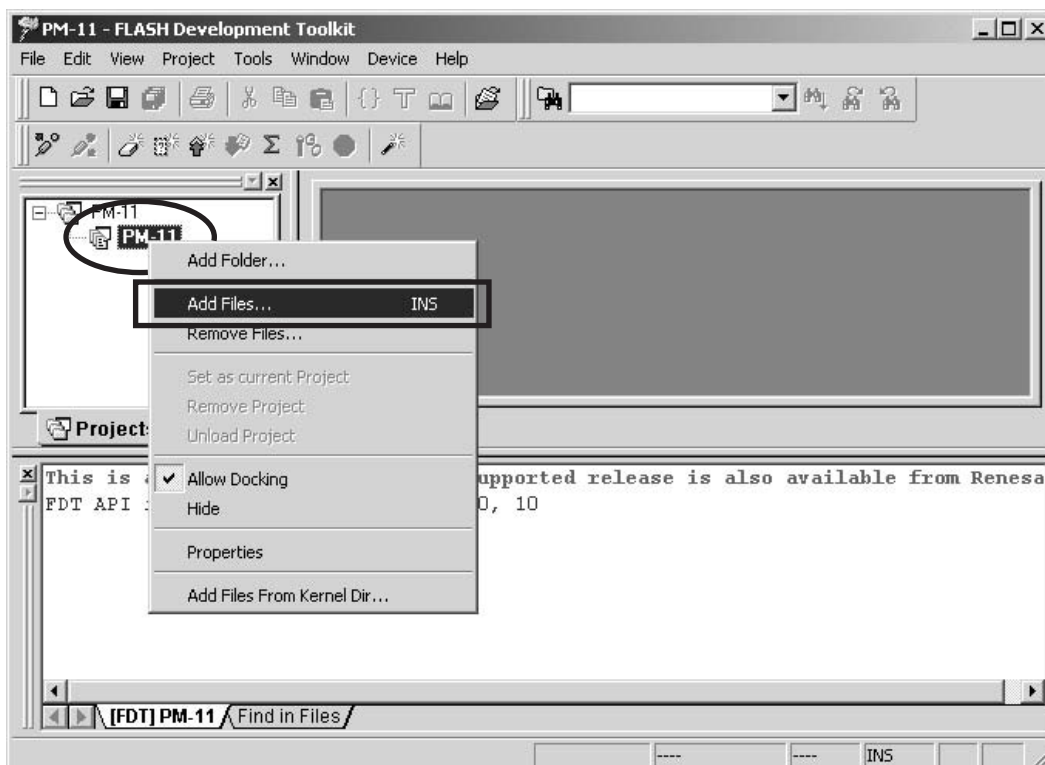
3. Check **Open a recent project workspace**, and click **OK**.

3. **Open a recent project workspace** をにチェックを入れて **OK** をクリックします。



4. The right click PM-15, and Click **Add Files....**

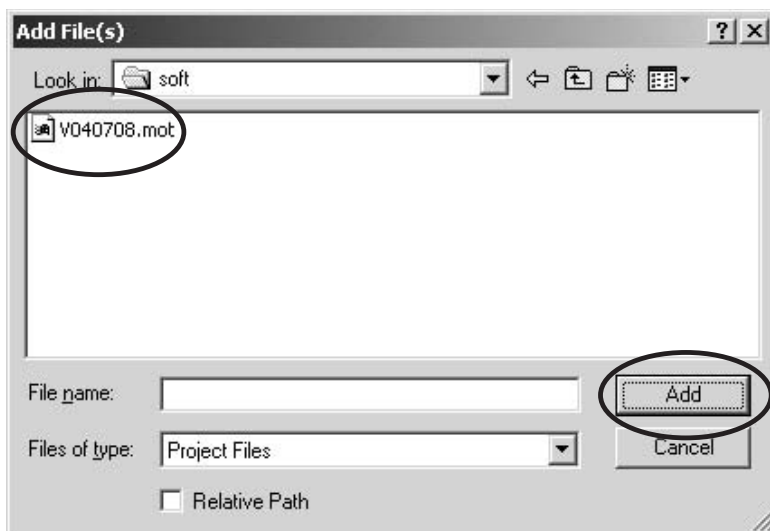
4. 以下の画面が出ましたら、2階層目にある PM-15 のアイコン上で右クリックをして、**Add Files...** をクリックします。



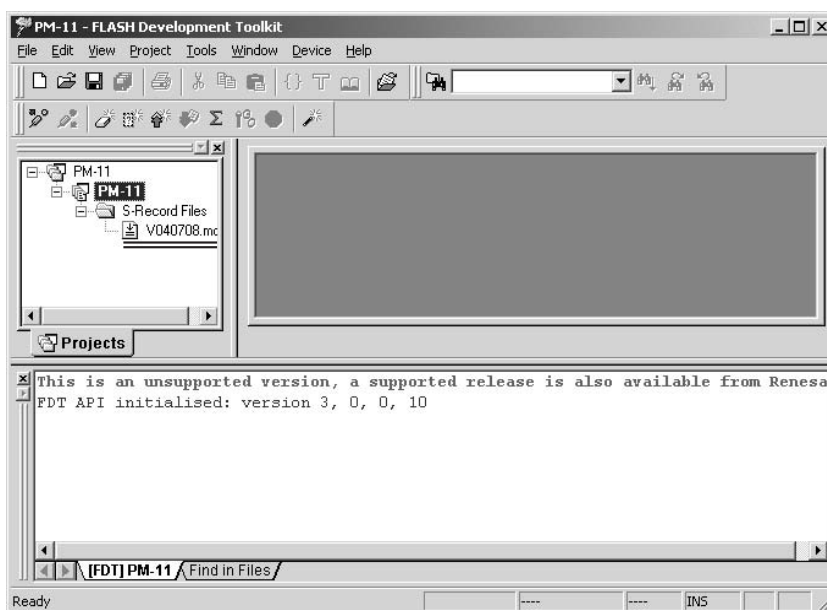
5. Open the CD-ROM (90M-PM15S1CDR) and double click **soft** folder. 5. アップデートディスク (90M-PM15S1CDR) の **soft** フォルダをダブルクリックします。



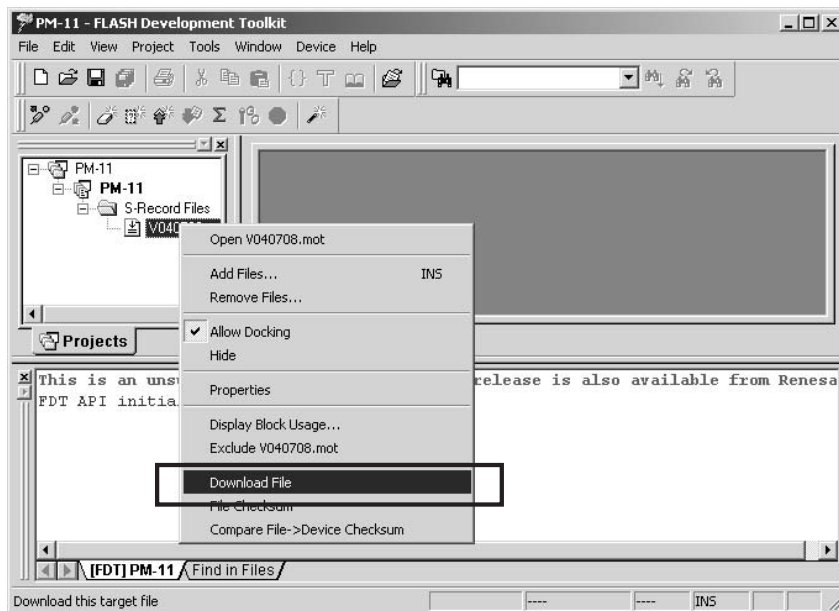
6. Select **V040708.mot**, and Click **Add**. 6. **V040708.mot** を選択し、**Add** をクリックします。



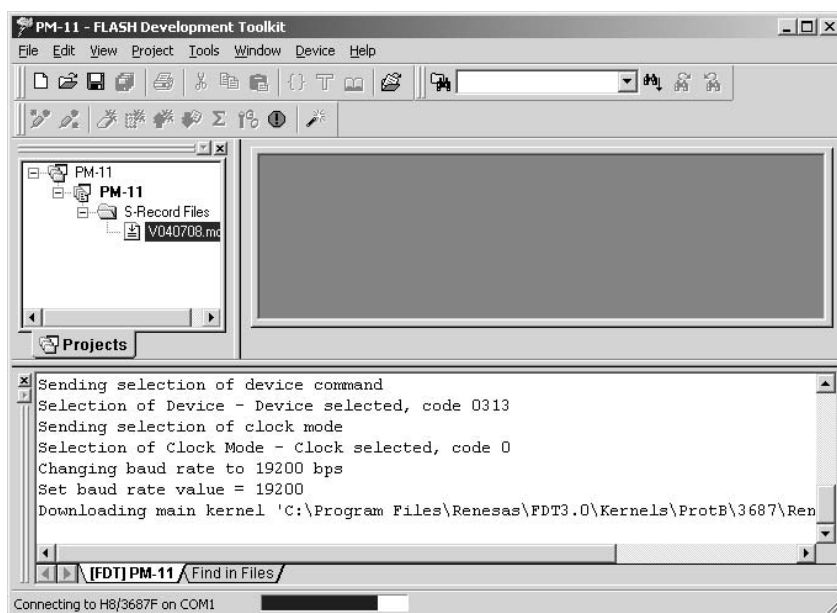
7. The holder of **V040708.mot** is made. 7. **V040708.mot** のホルダーが出来ます。



- | | |
|---|--|
| <p>8. It checks that PM-15S1 and the COM port are connected by RS232C cable.</p> <p>9. Press POWER Button to turn on the unit.
The unit is in the boot mode.(LED and LCD display on the front panel disappear.)</p> <p>10. The right click V040708.mot, and Click Download File.</p> | <p>8. PM-15S1 と Windows PC の COM ポートの接続を確認します。</p> <p>9. POWER ボタンを押し、Power On 状態にします。
(この状態より、書き込みモードですが、前面の LED 及び LCD 表示は消えます。)</p> <p>10. 4 階層目にある V040708.mot のアイコン上で右クリックをして "Download File" をクリックします。</p> |
|---|--|

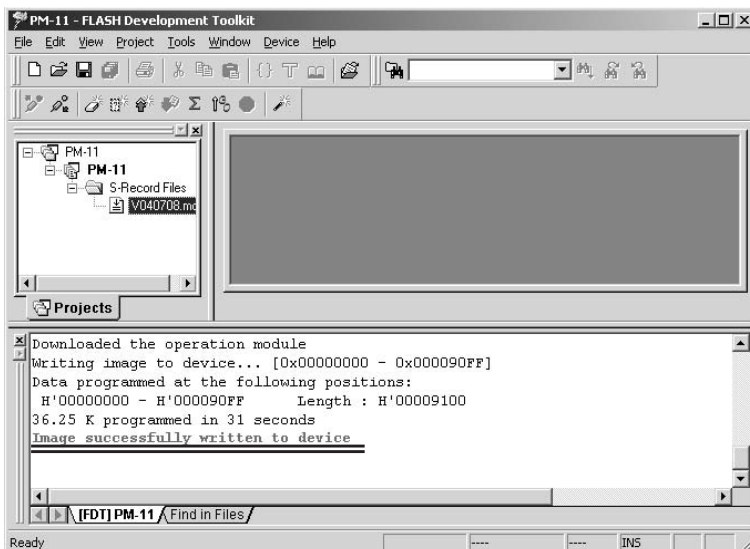


- | | |
|---|---|
| <p>11. The screen becomes the uploading condition.
When writing is Finished, the below message appears on the screen.</p> | <p>11. 書き込みが始まると下のような画面が出て状態を表示します。
書き込みが終わると下のような画面が出ます。</p> |
|---|---|



12. The Main microprocessor (QU01) has been Update.

12. 以上で、書き込み作業は終了です。

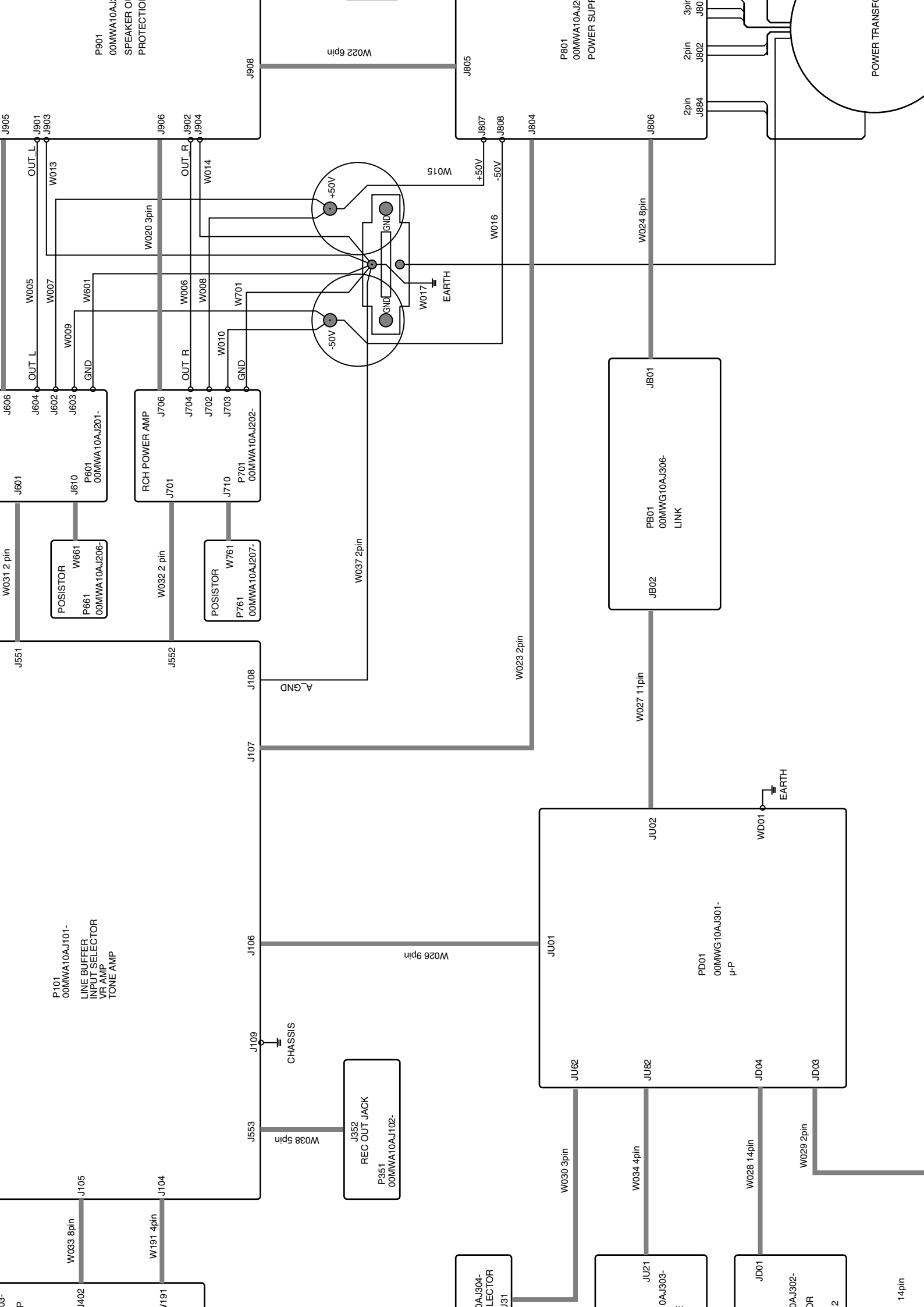


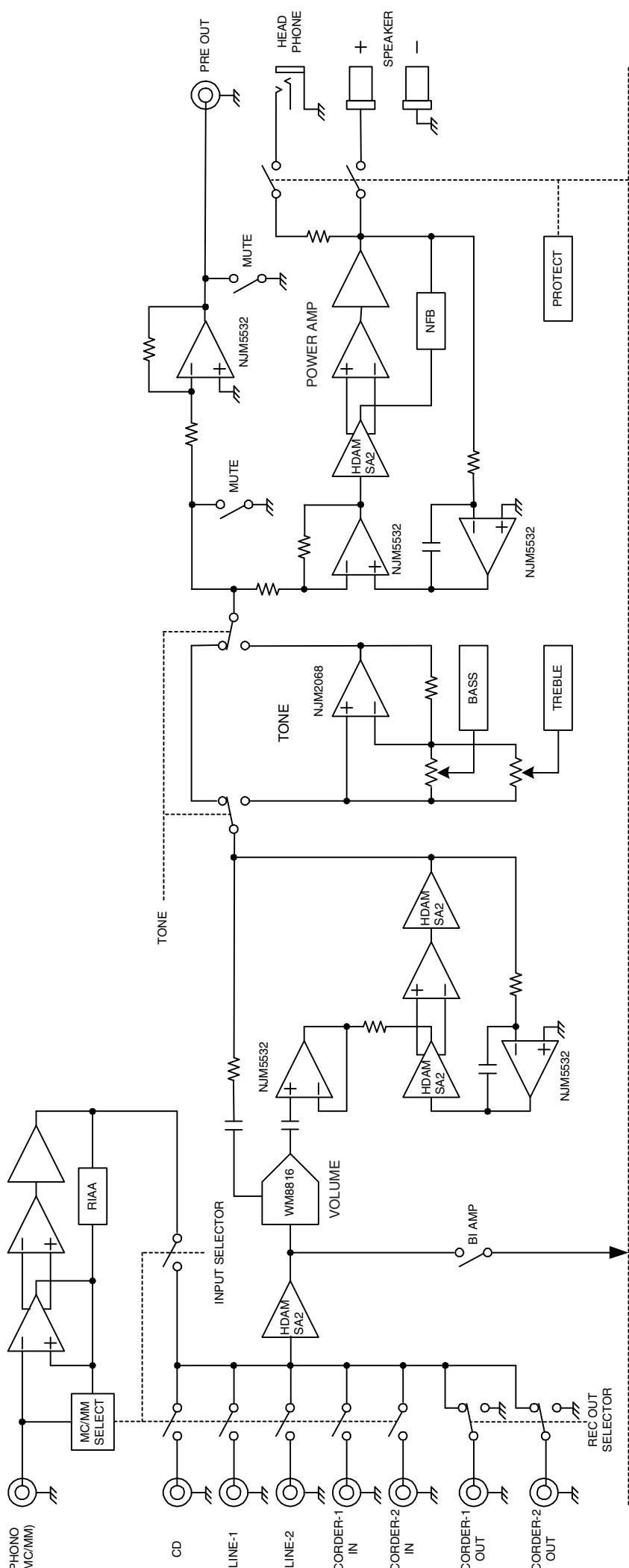
13. Turn off Power switch, then disconnect FFC cable from PM-15S1.

13. PM-15S1 の電源を切り、FFC ケーブルを外します。

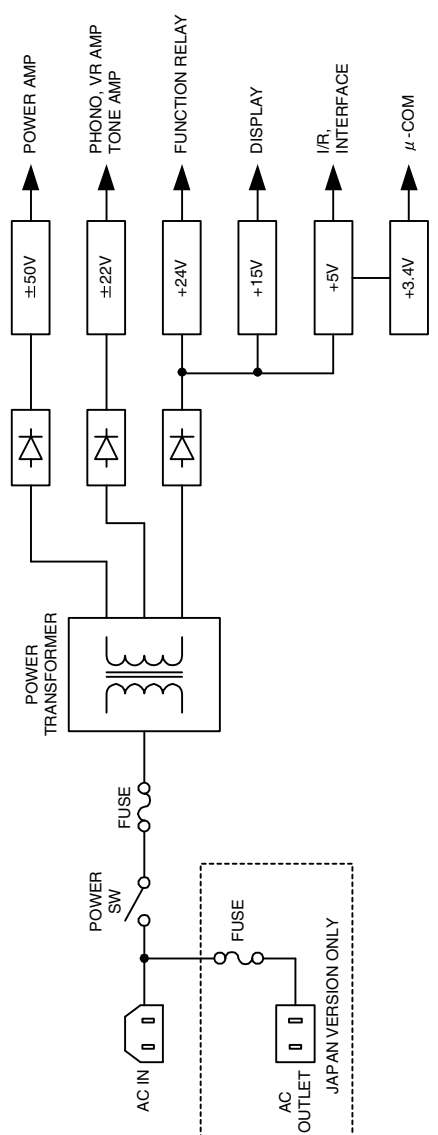
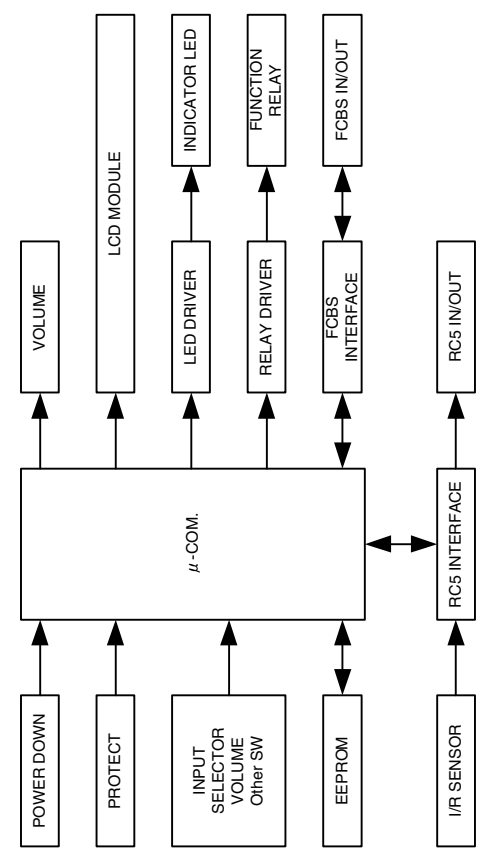
14. Check the version number of the firmware
Refer to "4. SERVICE MODE" on page 3.

14. VERSION の確認をします。
3 ページの "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。

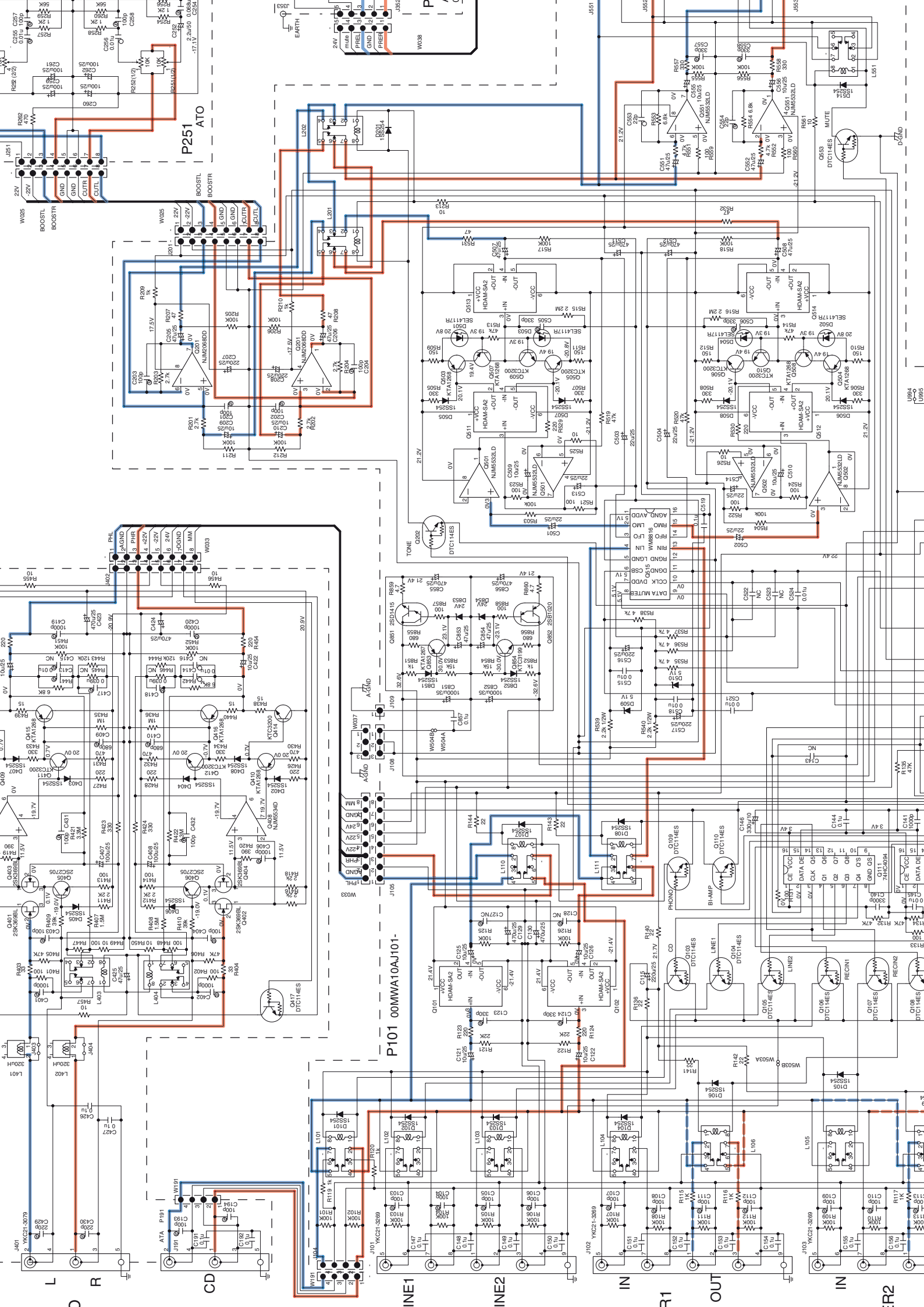


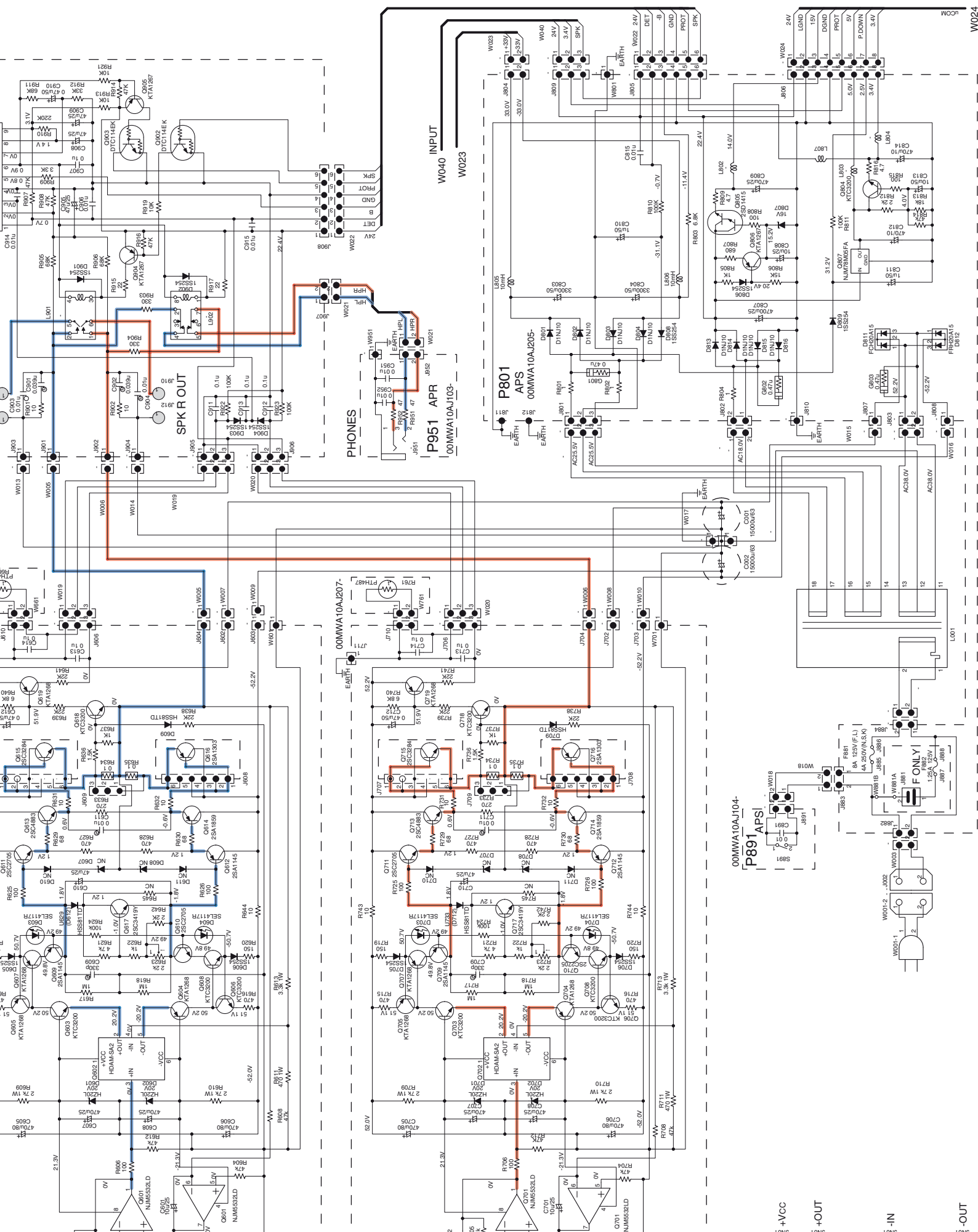


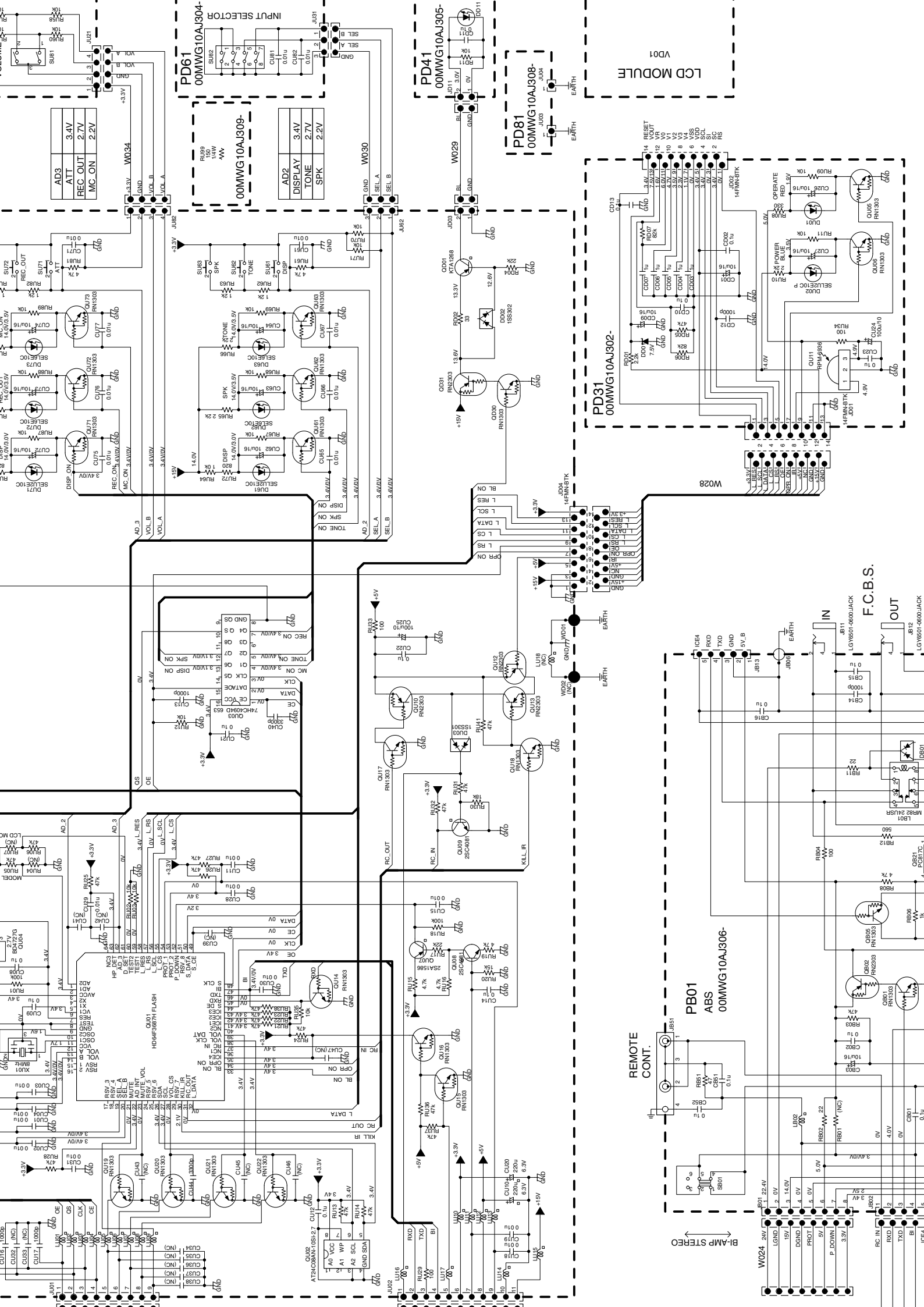
Rch

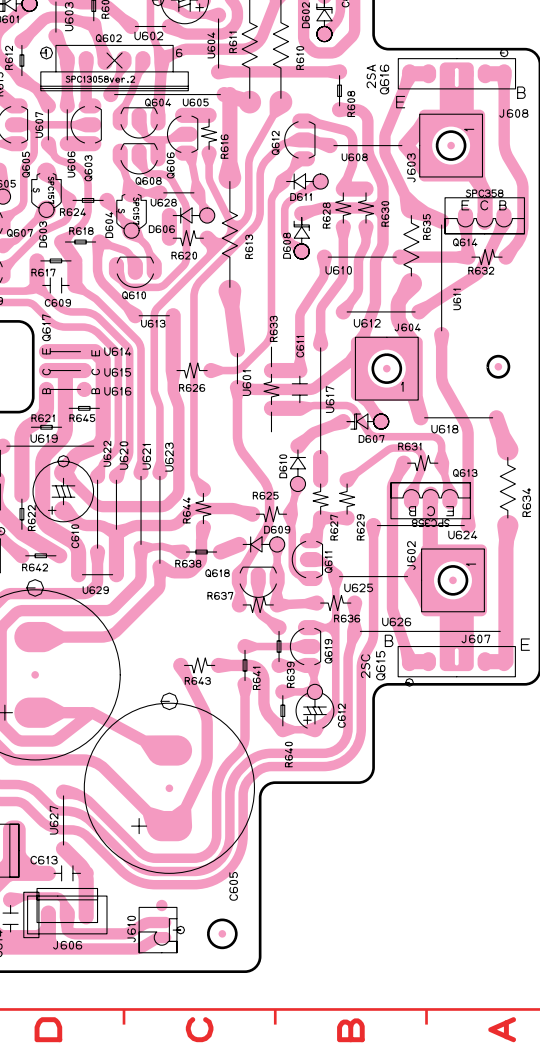


AC OUTLET
JAPAN VERSION ONLY





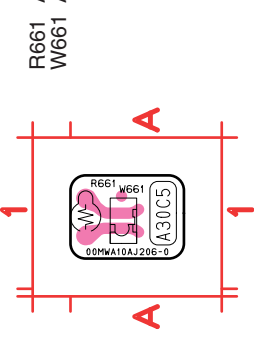




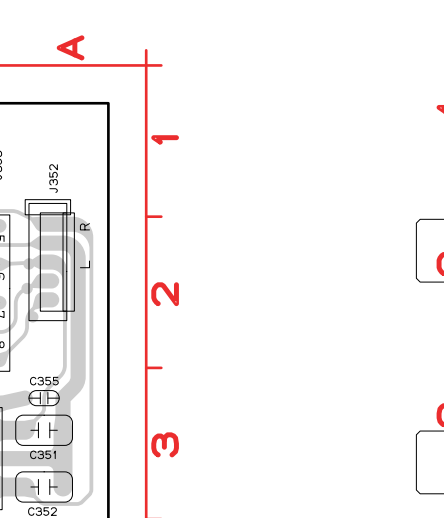
3
4
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9

- C601 C2
- C602 D2
- C603 D1
- C604 C2
- C605 C8
- C606 D7
- C607 D2
- C608 D2
- C609 D4
- C610 D6
- C611 B5
- C612 B7
- C613 D8
- D601 D2
- D602 B3
- D603 D4
- D604 C4
- D605 D4
- D606 C4
- D607 B5
- D608 B4
- D609 B6
- D610 B6
- D611 B1
- J601 D1
- J602 A6
- J603 A3
- J604 B3
- J605 D8
- J606 D8
- J607 B7
- J608 A3
- J609 D6
- J610 C9
- J611 E8
- Q601 D2
- Q602 D3
- Q603 D3
- Q604 C3
- Q605 C3
- Q606 D3
- Q607 D4
- Q608 D4
- Q609 E1
- Q610 E1
- Q611 B2
- Q612 B3
- Q613 B2
- Q614 A4
- Q615 D5
- Q616 B2
- Q617 C2
- Q618 C6
- Q619 B1
- Q620 C2
- Q621 C2
- Q622 D6
- Q623 D6
- Q624 B6
- Q625 C5
- Q626 C5
- Q627 B6
- Q628 B4
- Q629 B4
- Q630 B4
- Q631 A5
- Q632 A4
- Q633 C5
- Q634 A5
- Q635 B4
- Q636 B6
- Q637 B6
- Q638 C6
- Q639 B6
- Q640 D4
- Q641 C1
- Q642 D5
- Q643 C6
- Q644 C3
- Q645 C2
- Q646 C2
- Q647 D3
- Q648 B3
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- Q696 B4
- Q697 B4
- Q698 B4
- Q699 B4
- Q700 B4

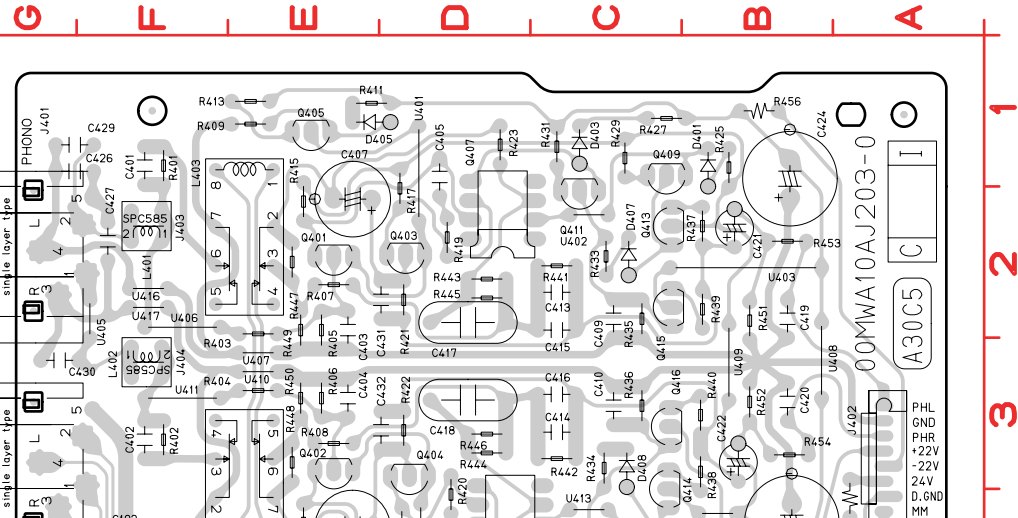
P661A



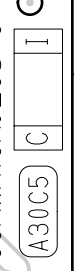
- L403 E1
- L404 F4
- Q401 E2
- Q402 E3
- Q403 D2
- Q404 D3
- Q405 E1
- Q406 E4
- Q407 D2
- Q408 D4
- Q409 C1
- Q410 C4
- Q411 C2
- Q412 C2
- Q413 C2
- Q414 C3
- Q415 C2
- Q416 C3
- Q417 B4
- Q418 D3
- Q419 B2
- Q420 B3
- Q421 B2
- Q422 B2
- Q423 B4
- Q424 B2
- Q425 E4
- Q426 F1
- Q427 F1
- Q428 F1
- Q429 F1
- Q430 F3
- Q431 D2
- Q432 D3
- Q433 D2
- Q434 D2
- Q435 D2
- Q436 D2
- Q437 D2
- Q438 D2
- Q439 D2
- Q440 D2
- Q441 D2
- Q442 C3
- Q443 D2
- Q444 D3
- Q445 D2
- Q446 D3
- Q447 E2
- Q448 E3
- Q449 E2
- Q450 E3
- Q451 B2
- Q452 B3
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- Q458 A3
- Q459 E1
- Q460 E1
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- Q497 E1
- Q498 E1
- Q499 E1
- Q500 E1



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2
3



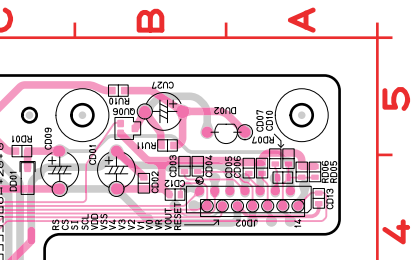
1
2
3



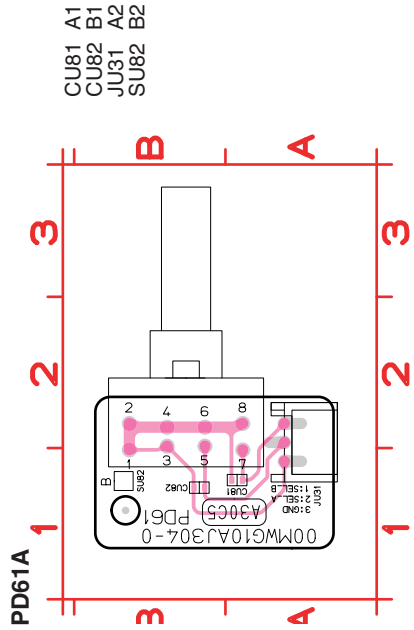
P661
W661

PHONO
+22V
+22V
24V
D.GND
MM

CD07 A4
 CD09 C5
 CD10 A4
 CD12 B4
 CD13 A4
 CU23 C2
 CU24 C2
 CU26 B2
 CU27 B5
 DD01 C4
 QU11 C1
 RD01 C5
 RD05 A4
 RD06 A4
 RD07 A4
 RU08 B2
 RU09 B2
 RU10 B5
 RU11 B5
 RU34 C2



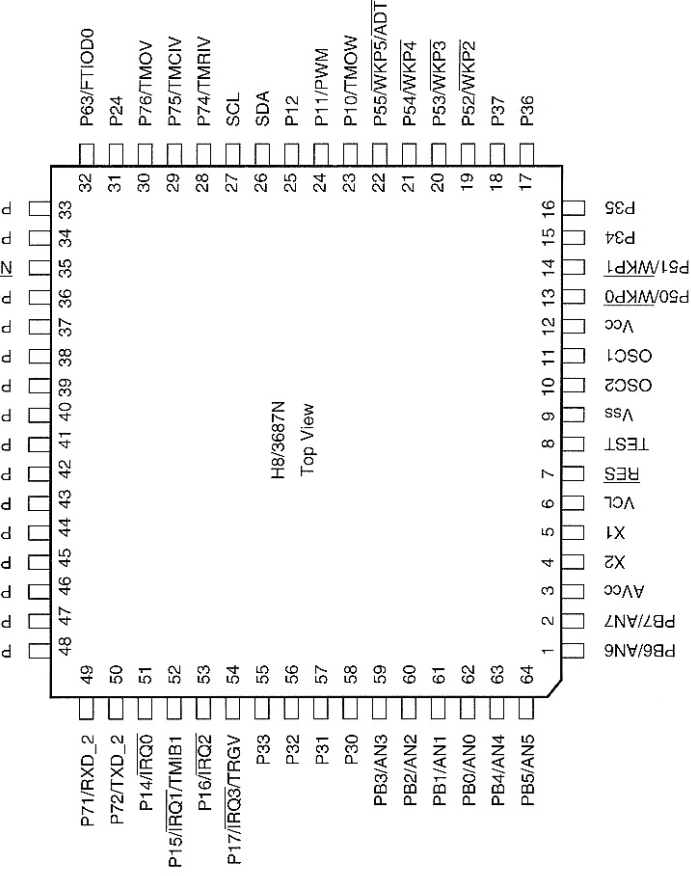
3 4 5



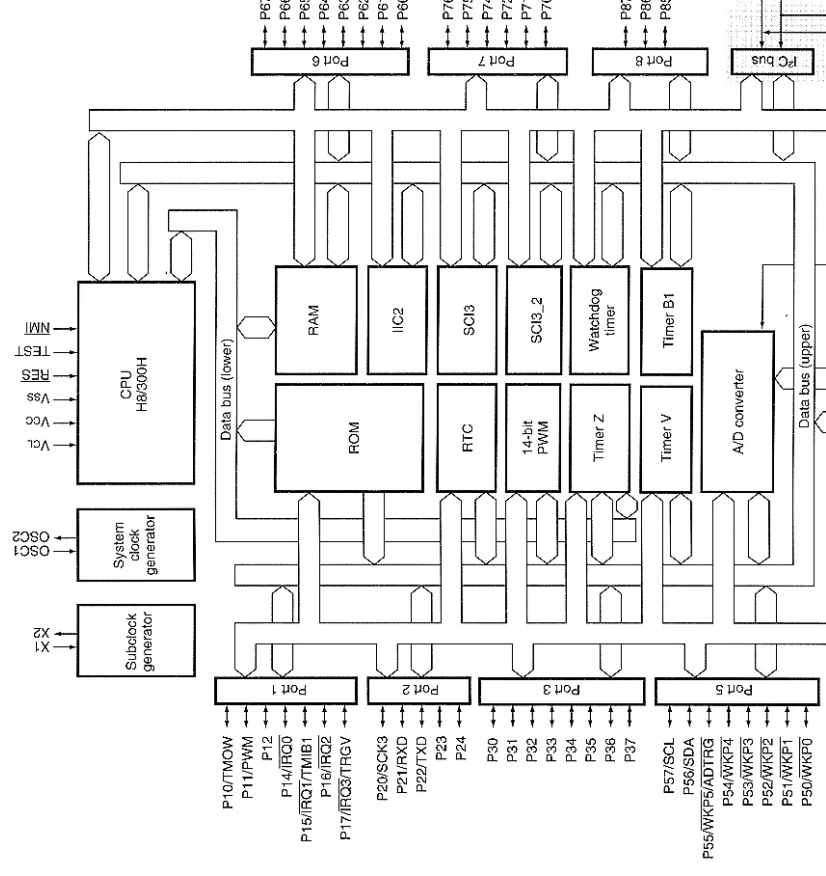
CD11 B1
 DD11 A1
 JD11 B1
 RD11 B1

JU21 A2
 RU57 A2
 RU58 A2
 RU59 A2
 RU60 A2
 SU81 B2

C B A



HB/3687N
Top View

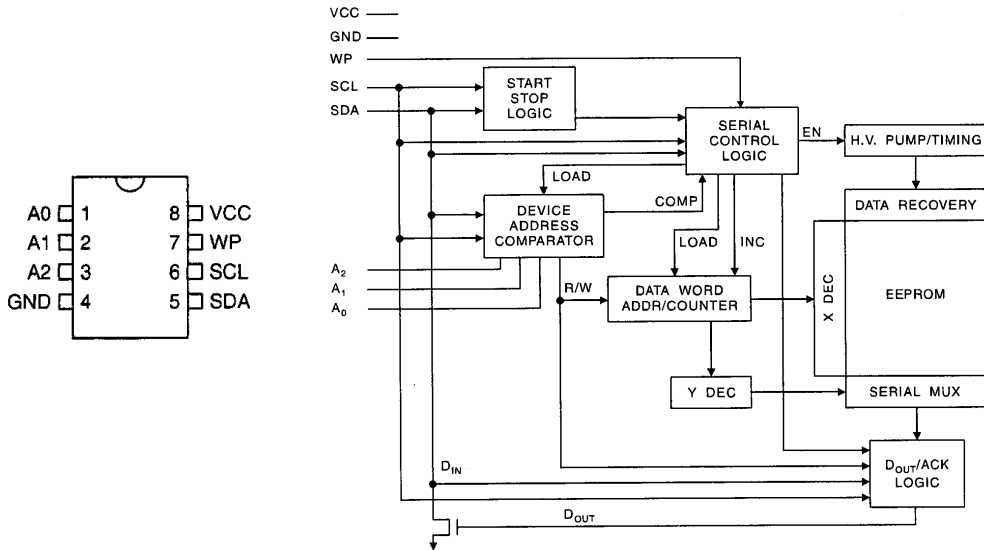


鉛フリー半田
 半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。
Lead-free Solder
 When soldering, use the Lead-free Solder (Sn-Ag-Cu).

PD01 / QU01 : H8/3687

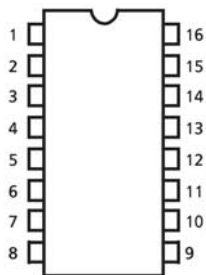
Pin	PORT	SIGNAL NAME	I/O	Functions	Description
1	PB6_AN6	AD2	I	Left key A/D pin	
2	PB7_AN7	AD1	I	Model select	H: PM-15A
3	AVcc	AVCC	I	Analog power supply	
4	X2	X2	O	Sub clock output	NC
5	X1	X1	I	Sub clock input	NC
6	VCL	VCI	I	Internal step-down power supply	
7	/RES	RES	I	Reset pin	
8	TEST	TEST	I	Test 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	+3.4V Power supply	
13	P50_WKPO	VOLA	I	Volume A	External trigger(Active H)
14	P51_WKPP1	VOLB	I	Volume B	External trigger(Active H)
15	P34	Rsv_1	-	-	NC
16	P35	Rsv_2	-	-	NC
17	P36	Rsv_3	-	-	NC
18	P37	Rsv_4	-	-	NC
19	P52_WKPP2	SEL_A	I	Input selector A	External trigger(Active H)
20	P53_WKPP3	SEL_B	I	Input selector B	External trigger(Active H)
21	P54_WKPP4	MUTE_D	O	MUTE relay ON/OFF	Active L(MUTE ON)
22	P55_WKPP5_/ADTRG	AD_INT	I	No use (Pull up)	
23	P10_TMOW	MUTE_VOL	O	WM8816 MUTE	Active H (MUTE ON)
24	P11_PWM	Rsv_5	-	-	NC
25	P12	Rsv_6	-	-	NC
26	P56_SDA	SDA	I/O	AT24C08 serial data	I2C_DATA
27	P57_SCL	SCL	O	AT24C08 clock	I2C_CLOCK
28	P74_TMRIV	VOL_CS	O	WM8816 chip select	
29	P75_TMCIV	Rsv_7	-	-	NC
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	NC_1	-	-	NC
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	NC_2	-	-	
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	Rsv_8	-	-	NC
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-Controler(SPLC093C) chip select	Active L
56	P32	L_SCL	O	LCD-Controler(SPLC093C) Serial cloc out	
57	P31	L_RS	O	LCD-Controler(SPLC093C) register setting	H/L = Data/Instruction
58	P30	L_RES	O	LCD-Controler(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-Controler(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	NC_3	-	-	NC

PD01 / QU02 : AT24C08



PD01 / QU04 : 74HC4094

P101 / Q121, Q122 : 74HC4094

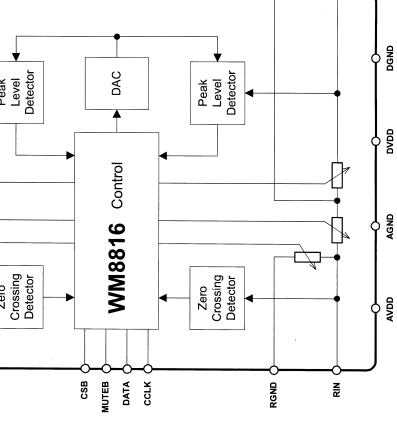
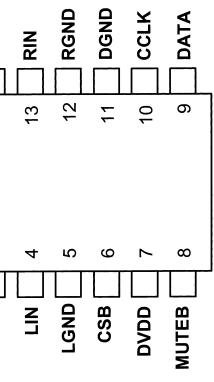


Q121 74HC4094

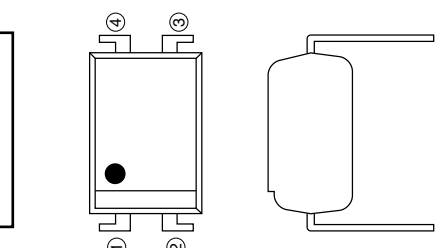
Port	I/O	Name	Function	Description
1	CE	IN	STROBE	
2	DATA	IN	DATA	
3	CLK	IN	CLOCK	
4	Q1	OUT	LINE_2	Line_2 input relay ON Active H
5	Q2	OUT	REC_1	Recorder_1 input relay ON Active H
6	Q3	OUT	REC_2	Recorder_2 input relay ON Active H
7	Q4	OUT	BI-AMP	Bi-amp relay ON Active H
8	GND		GND	
9	QS	OUT	-	-
10	Q'S	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	OUTOUT ENABLE	
16	VCC		VCC	

Q122 74HC4094

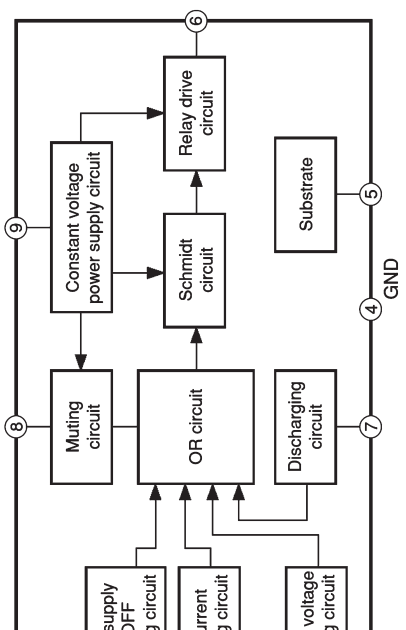
Port	I/O	name	Function	Description
1	CE	IN	STROBE	
2	DATA	IN	DATA	
3	CLK	IN	CLOCK	
4	Q1	OUT	TONE	Tone relay ON Active H
5	Q2	OUT	SPK1	Speaker output relay ON Active H
6	Q3	OUT	SPK2	Speaker output relay ON Active H
7	Q4	OUT	HP	Headphone output relay ON Active H
8	GND		GND	
9	QS	OUT	-	-
10	Q'S	OUT	SERIAL 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	



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	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



17P



PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJJ)	PART NAME	DESCRIPTION
	001B	/F N	nsp	99M10AJ248410	PANEL ASSY	FRONT PANEL ASSY GL
	001B	/K1G	nsp	99M10AJ248410	PANEL ASSY	FRONT PANEL ASSY GL
	001B	/L1G	nsp	99M10AJ248410	PANEL ASSY	FRONT PANEL ASSY GL
	001B	/N1G	99M10AJ248410	99M10AJ248410	PANEL ASSY	FRONT PANEL ASSY GL
	001B	/N1S	99M10AJ248420	99M10AJ248420	PANEL ASSY	FRONT PANEL ASSY SL
	001B	/S1G	nsp	99M10AJ248410	PANEL ASSY	FRONT PANEL ASSY GL
	011B		00M256J355030	00M256J355030	LENS	IR LENS
	012B		00M10AJ105050	00M10AJ105050	CHASSIS	FRONT MOLD CHASSIS
	016B	/F N	nsp	00M10AJ265110	INDICATOR	LCD ESC (GL)
	016B	/K1G	nsp	00M10AJ265110	INDICATOR	LCD ESC (GL)
	016B	/L1G	nsp	00M10AJ265110	INDICATOR	LCD ESC (GL)
	016B	/N1G	00M10AJ265110	00M10AJ265110	INDICATOR	LCD ESC (GL)
	016B	/N1S	00M10AJ265210	00M10AJ265210	INDICATOR	LCD ESC (SL)
	016B	/S1G	nsp	00M10AJ265110	INDICATOR	LCD ESC (GL)
	024B		00M18AK355010	00M18AK355010	LENS	SIDE LENS
	027B	/F N	nsp	00M10AJ063110	ESCUTCHEON	SIDE ESC. (L/GL)
	027B	/K1G	nsp	00M10AJ063110	ESCUTCHEON	SIDE ESC. (L/GL)
	027B	/L1G	nsp	00M10AJ063110	ESCUTCHEON	SIDE ESC. (L/GL)
	027B	/N1G	00M10AJ063110	00M10AJ063110	ESCUTCHEON	SIDE ESC. (L/GL)
	027B	/N1S	00M10AJ063210	00M10AJ063210	ESCUTCHEON	SIDE ESC. (L/SL)
	027B	/S1G	nsp	00M10AJ063110	ESCUTCHEON	SIDE ESC. (L/GL)
	029B	/F N	nsp	00M10AJ063120	ESCUTCHEON	SIDE ESC. (R/GL)
	029B	/K1G	nsp	00M10AJ063120	ESCUTCHEON	SIDE ESC. (R/GL)
	029B	/L1G	nsp	00M10AJ063120	ESCUTCHEON	SIDE ESC. (R/GL)
	029B	/N1G	00M10AJ063120	00M10AJ063120	ESCUTCHEON	SIDE ESC. (R/GL)
	029B	/N1S	00M10AJ063220	00M10AJ063220	ESCUTCHEON	SIDE ESC. (R/SL)
	029B	/S1G	nsp	00M10AJ063120	ESCUTCHEON	SIDE ESC. (R/GL)
	034B	/F N	nsp	00M04AJ259210	BUSHING	FUNCTION BUTTON BUSH GOLD
	034B	/K1G	nsp	00M04AJ259210	BUSHING	FUNCTION BUTTON BUSH GOLD
	034B	/L1G	nsp	00M04AJ259210	BUSHING	FUNCTION BUTTON BUSH GOLD
	034B	/N1G	00M04AJ259210	00M04AJ259210	BUSHING	FUNCTION BUTTON BUSH GOLD
	034B	/N1S	00M04AJ259110	00M04AJ259110	BUSHING	FUNCTION BUTTON BUSH SILVER
	034B	/S1G	nsp	00M04AJ259210	BUSHING	FUNCTION BUTTON BUSH GOLD
	035B	/F N	nsp	00M04AJ270120	BUTTON	FUNCTION BUTTON LIGHTING (GL)
	035B	/K1G	nsp	00M04AJ270120	BUTTON	FUNCTION BUTTON LIGHTING (GL)
	035B	/L1G	nsp	00M04AJ270120	BUTTON	FUNCTION BUTTON LIGHTING (GL)
	035B	/N1G	00M04AJ270120	00M04AJ270120	BUTTON	FUNCTION BUTTON LIGHTING (GL)
	035B	/N1S	00M04AJ270220	00M04AJ270220	BUTTON	FUNCTION BUTTON LIGHTING (SL)
	035B	/S1G	nsp	00M04AJ270120	BUTTON	FUNCTION BUTTON LIGHTING (GL)
	036B	/F N	nsp	00M04AJ270130	BUTTON	FUNCTION BUTTON (GL)
	036B	/K1G	nsp	00M04AJ270130	BUTTON	FUNCTION BUTTON (GL)
	036B	/L1G	nsp	00M04AJ270130	BUTTON	FUNCTION BUTTON (GL)
	036B	/N1G	00M04AJ270130	00M04AJ270130	BUTTON	FUNCTION BUTTON (GL)
	036B	/N1S	00M04AJ270230	00M04AJ270230	BUTTON	FUNCTION BUTTON (SL)
	036B	/S1G	nsp	00M04AJ270130	BUTTON	FUNCTION BUTTON (GL)
	038B	/F N	nsp	00M10AJ154110	KNOB	MASTER KNOB (GL)
	038B	/K1G	nsp	00M10AJ154110	KNOB	MASTER KNOB (GL)
	038B	/L1G	nsp	00M10AJ154110	KNOB	MASTER KNOB (GL)
	038B	/N1G	00M10AJ154110	00M10AJ154110	KNOB	MASTER KNOB (GL)
	038B	/N1S	00M10AJ154210	00M10AJ154210	KNOB	MASTER KNOB (SL)
	038B	/S1G	nsp	00M10AJ154110	KNOB	MASTER KNOB (GL)
	039B	/F N	nsp	00M04AJ353110	RING	MASTER KNOB RING (GL)
	039B	/K1G	nsp	00M04AJ353110	RING	MASTER KNOB RING (GL)
	039B	/L1G	nsp	00M04AJ353110	RING	MASTER KNOB RING (GL)
	039B	/N1G	00M04AJ353110	00M04AJ353110	RING	MASTER KNOB RING (GL)
	039B	/N1S	00M04AJ353210	00M04AJ353210	RING	MASTER KNOB RING (SL)
	039B	/S1G	nsp	00M04AJ353110	RING	MASTER KNOB RING (GL)
	040B	/F N	nsp	00M10AJ154120	KNOB	KNOB AL CAP (GL)
	040B	/K1G	nsp	00M10AJ154120	KNOB	KNOB AL CAP (GL)
	040B	/L1G	nsp	00M10AJ154120	KNOB	KNOB AL CAP (GL)
	040B	/N1G	00M10AJ154120	00M10AJ154120	KNOB	KNOB AL CAP (GL)
	040B	/N1S	00M10AJ154220	00M10AJ154220	KNOB	KNOB AL CAP (SL)
	040B	/S1G	nsp	00M10AJ154120	KNOB	KNOB AL CAP (GL)
	046B	/F N	nsp	00M04AJ270110	BUTTON	POWER BUTTON (GL)
	046B	/K1G	nsp	00M04AJ270110	BUTTON	POWER BUTTON (GL)
	046B	/L1G	nsp	00M04AJ270110	BUTTON	POWER BUTTON (GL)

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

PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
	046B	/N1G	00M04AJ270110	00M04AJ270110	BUTTON	POWER BUTTON (GL)
	046B	/N1S	00M04AJ270210	00M04AJ270210	BUTTON	POWER BUTTON (SL)
	046B	/S1G	nsp	00M04AJ270110	BUTTON	POWER BUTTON (GL)
	001D	/F N	nsp	00M04AJ257520	LID	TOP COVER ASSY (GL)
	001D	/K1G	nsp	00M04AJ257520	LID	TOP COVER ASSY (GL)
	001D	/L1G	nsp	00M04AJ257520	LID	TOP COVER ASSY (GL)
	001D	/N1G	00M04AJ257520	00M04AJ257520	LID	TOP COVER ASSY (GL)
	001D	/N1S	00M04AJ257530	00M04AJ257530	LID	TOP COVER ASSY (SL)
	001D	/S1G	nsp	00M04AJ257520	LID	TOP COVER ASSY (GL)
	007D	/F N	nsp	00M18AK249110	SIDE PANEL	SIDE PANEL AL GL
	007D	/K1G	nsp	00M18AK249110	SIDE PANEL	SIDE PANEL AL GL
	007D	/L1G	nsp	00M18AK249110	SIDE PANEL	SIDE PANEL AL GL
	007D	/N1G	00M18AK249110	00M18AK249110	SIDE PANEL	SIDE PANEL AL GL
	007D	/N1S	00M18AK249210	00M18AK249210	SIDE PANEL	SIDE PANEL AL SL
	007D	/S1G	nsp	00M18AK249110	SIDE PANEL	SIDE PANEL AL GL
	006G	/F N	nsp	00M04AJ057510	LEG	LEGS (GOLD)
	006G	/K1G	nsp	00M04AJ057510	LEG	LEGS (GOLD)
	006G	/L1G	nsp	00M04AJ057510	LEG	LEGS (GOLD)
	006G	/N1G	00M04AJ057510	00M04AJ057510	LEG	LEGS (GOLD)
	006G	/N1S	00M04AJ057520	00M04AJ057520	LEG	LEGS (SILVER)
	006G	/S1G	nsp	00M04AJ057510	LEG	LEGS (GOLD)
	C001		00MOB15906380	00MOB15906380	ELECT. CAP.	15000UF/63V NICHICON PB-FREE
	C002		00MOB15906380	00MOB15906380	ELECT. CAP.	15000UF/63V NICHICON PB-FREE
	J001		00MYL03010300	00MYL03010300	TERMINAL	GLD GND TERMINAL W/M3 TAP TIGHT
	▲ J002		00MYJ04002550	00MYJ04002550	JACK	! MAINS CORD INLET TYPE HF-301
	J003		00MYT01010360	00MYT01010360	TERMINAL	WBT-0765 POLE TERMINAL RED
	J004		00MYT01010360	00MYT01010360	TERMINAL	WBT-0765 POLE TERMINAL RED
	J005		00MYT01010370	00MYT01010370	TERMINAL	WBT-0765 POLE TERMINAL WHT
	J006		00MYT01010370	00MYT01010370	TERMINAL	WBT-0765 POLE TERMINAL WHT
	▲ L001	/F N	nsp	00MTS42003080	TRANSF.	# FOR F
	▲ L001	/K1G	nsp	00MTS42003100	TRANSF.	# FOR K
	▲ L001	/L1G	nsp	00MTS42003110	TRANSF.	# FOR L
	▲ L001	/N1G	00MTS42003090	00MTS42003090	TRANSF.	# FOR N, S
	▲ L001	/N1S	00MTS42003090	00MTS42003090	TRANSF.	# FOR N, S
	▲ L001	/S1G	nsp	00MTS42003090	TRANSF.	# FOR N, S
	L002		00MFC50160030	00MFC50160030	FERRITE CORE	FERRITE CORE TFCK-16-8-13
	L003		00MFC50160030	00MFC50160030	FERRITE CORE	FERRITE CORE TFCK-16-8-13
	VD01		00MHQ22901990	00MHQ22901990	DISPLAY	LCD MODULE FOR PM-11S1
	W028		nsp	00MYU14100520	FPC	14P P1.0
PACKING						
	001T	/F N	nsp	00M10AJ851110	USER GUIDE	USER GUIDE (F)
	001T	/K1G	nsp	00M10AJ851350	USER GUIDE	USER GUIDE (K+S+L)
	001T	/L1G	nsp	00M10AJ851350	USER GUIDE	USER GUIDE (K+S+L)
	001T	/N1G	00M10AJ851310	00M10AJ851310	USER GUIDE	USER GUIDE (N)
	001T	/N1S	00M10AJ851310	00M10AJ851310	USER GUIDE	USER GUIDE (N)
	001T	/S1G	nsp	00M10AJ851350	USER GUIDE	USER GUIDE (K+S+L)
	▲ W001	/F N	nsp	00MZC01802080	MAINS CORD	# MAINS CORD MITY DC-302-J 125V 12A
	▲ W001	/K1G	nsp	00MZC01808030	MAINS CORD	# MAINS CORD CHINA 250V 10A
	▲ W001	/L1G	nsp	00MZC01807030	MAINS CORD	# MAINS CORD TAIWAN 10A 125V
	▲ 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	/S1G	nsp	00MZC01804100	MAINS CORD	# MAINS CORD AC 250V 10A FOR UK
	Z001		00MZK04AJ0010	00MZK04AJ0010	UNIT KIT	REMOTE CONTROLLER RC-11PMS1
NOT STANDARD SPARE PARTS						
	001S		nsp	00M10AJ801010	PACKING CASE	PACKING CASE
	002S	/N1G	nsp	00M10AJ805010	MASS CARTON	MASTER CARTON
	002S	/N1S	nsp	00M10AJ805010	MASS CARTON	MASTER CARTON
	003S		nsp	00M10AJ809010	CUSHION	CUSHION (L/R)

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

12. ELECTRICAL PARTS LIST

PARTS INFORMATION

RESISTORS

- 00MGD05 × × × 140, Carbon film fixed resistor, ±5% 1/4W
- 00MGD05 × × × 160, Carbon film fixed resistor, ±5% 1/6W

① — Resistance value

Examples ;

① Resistance value
 0.1 Ω 001 10 Ω 100 1 kΩ 102 100 kΩ 104
 0.5 Ω 005 18 Ω 180 2.7 kΩ 272 680 kΩ 684
 1 Ω 010 100 Ω 101 10 kΩ 103 1 MΩ 105
 6.8 Ω 068 390 Ω 391 22 kΩ 223 4.7 MΩ 475

Note : Please distinguish 1/4W from 1/6W by the shape of parts used actually.

CAPACITORS

CERAMIC CAP.

- 00MDD1 × × × × 370 Ceramic capacitor
 Disc type
 Temp.coeff.P350 ~N1000, 50V
- ② — Capacity value
 ③ — Tolerance

Examples ;

② Tolerance (Capacity deviation)
 ±0.25 pF 0
 ±0.5 pF 1
 ±5% 5

* Tolerance of COMMON PARTS handled here are as follows :

0.5 pF ~ 5 pF ±0.25 pF
 6 pF ~ 10 pF ±0.5 pF
 12 pF ~ 560 pF ±5%

③ Capacity value

0.5 pF 005 3 pF 030 100 pF 101
 1 pF 010 10 pF 100 220 pF 221
 1.5 pF 015 47 pF 470 560 pF 561

CERAMIC CAP.

- 00MDK16 × × × × 300, High dielectric constant ceramic capacitor
 Disc type
 Temp.chara. 2B4, 50V
- ④ — Capacity value

Examples ;

④ Capacity value
 100 pF 101 1000 pF 102 10000 pF 103
 470 pF 471 2200 pF 222

ELECTROLY CAP. (Z)

- 00MEA × × × × × 10, Electrolytic capacitor
 One-way lead type, Tolerance ±20%

⑤ — Capacity value
 ⑥ — Working voltage

Examples ;

⑤ Capacity value
 0.1 μF 104 4.7 μF 475 100 μF 107
 0.33 μF 334 10 μF 106 330 μF 337
 1 μF 105 22 μF 226 1100 μF 118
 2200 μF 228

⑥ Working voltage

6.3V 006 25V 025
 10V 010 35V 035
 16V 016 50V 050

FILM CAP. (F)

- 00MDF15 × × × 350 Plastic film capacitor
 One-way type, Mylar ±5% 50V
 - 00MDF16 × × × 310 Plastic film capacitor
 One-way type, Mylar ±10% 50V
- ⑦ — Capacity value

Examples ;

⑦ Capacity value
 0.001 μF (1000 pF) 102 0.1 μF 104
 0.0018 μF 182 0.56 μF 564
 0.01 μF 103 1 μF 105
 0.015 μF 153

NOTE ON SAFETY FOR FUSIBLE RESISTOR :

The suppliers and their type numbers of fusible resistors are as follows;

1. KOA Corporation

Part No. (MJI)	Type No. (KOA)	Description
00MNH05 × × × 140	RF25S × × × × ΩJ	(±5% 1/4W)
00MNH05 × × × 120	RF50S × × × × ΩJ	(±5% 1/2W)
00MNH85 × × × 110	RF73B2A × × × × ΩJ	(±5% 1/10W)
00MNH95 × × × 140	RF73B2E × × × × ΩJ	(±5% 1/4W)

* Resistance value Resistance value
 (0.1 Ω - 10 kΩ)

2. Matsushita Electronic Components Co., Ltd

Part No. (MJI)	Type No. (MEC)	Description
00MNF05 × × × 140	ERD-2FCJ × × ×	(±5% 1/4W)
00MRF05 × × × 140		
00MNF02 × × × 140	ERD-2FCG × × ×	(±2% 1/4W)
00MRF02 × × × 140		

* Resistance value * Resistance value

Examples ;

* Resistance value
 0.1 Ω 001 10 Ω 100 1 kΩ 102 100 kΩ 104
 0.5 Ω 005 18 Ω 180 2.7 kΩ 272 680 kΩ 684
 1 Ω 010 100 Ω 101 10 kΩ 103 1 MΩ 105
 6.8 Ω 068 390 Ω 391 22 kΩ 223 4.7 MΩ 475



ABBREVIATION AND MARKS

ANT. : ANTENNA	BATT. : BATTERY
CAP. : CAPACITOR	CER. : CERAMIC
CONN. : CONNECTING	DIG. : DIGITAL
HP : HEADPHONE	MIC. : MICROPHONE
μ-PRO : MICROPROCESSOR	REC. : RECORDING
RES. : RESISTOR	SPK : SPEAKER
SW : SWITCH	TRANSF. : TRANSFORMER
TRIM. : TRIMMING	TRS. : TRANSISTOR
VAR. : VARIABLE	X'TAL : CRYSTAL


NOTE ON FUSE :

Regarding to all parts of parts code **00MFS20xxx2xx**, replace only with Wickmann-Werke GmbH, Type 372 non glass type fuse.

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部品を使用して下さい。

PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJJ)	PART NAME	DESCRIPTION
P101	C114	/K1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C114	/L1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C114	/N1G	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C114	/N1S	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C114	/S1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C115		00MOA227025R0	00MOA227025R0	ELECT. CAP.	ROA-25V 221M -H5#PE - T2 (220UF 25V)
P101	C121		00MOA106035Z0	00MOA106035Z0	ELECT. CAP.	ROS-35V 100M - F3#PE - T2 (10UF 35V)
P101	C122		00MOA106035Z0	00MOA106035Z0	ELECT. CAP.	ROS-35V 100M - F3#PE - T2 (10UF 35V)
P101	C123		00MOF55331580	00MOF55331580	FILM CAP.	330PF 100V +- 5% FNS
P101	C124		00MOF55331580	00MOF55331580	FILM CAP.	330PF 100V +- 5% FNS
P101	C125		00MOA106035Z0	00MOA106035Z0	ELECT. CAP.	ROA-25V 100M - F3#PE - T2 (10UF 35V)
P101	C126		00MOA106035Z0	00MOA106035Z0	ELECT. CAP.	ROS-35V 100M - F3#PE - T2 (10UF 35V)
P101	C129		00MOA477025R0	00MOA477025R0	ELECT. CAP.	ROA-25V 471M -I6#PE - S13 (470UF 25V)
P101	C130		00MOA477025R0	00MOA477025R0	ELECT. CAP.	ROA-25V 471M -I6#PE - S13 (470UF 25V)
P101	C140		00MDF15332350	00MDF15332350	FILM CAP.	0.0033UF,J,M,50V
P101	C141		00MDF15102350	00MDF15102350	FILM CAP.	0.001UF,J,M,50V
P101	C145		00MOF15103540	00MOF15103540	FILM CAP.	APSV 103J,0.01UF(TP) 100V PP
P101	C146		00MOA33701020	00MOA33701020	ELECT. CAP.	330 UF M 10V RA-2
P101	C201		00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C202		00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C203		00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C204		00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C205		00MOA476025Z0	00MOA476025Z0	ELECT. CAP.	47 UF M 25V RA-2
P101	C206		00MOA476025Z0	00MOA476025Z0	ELECT. CAP.	47 UF M 25V RA-2
P101	C207		00MOA227025R0	00MOA227025R0	ELECT. CAP.	ROA-25V 221M -H5#PE - T2 (220UF 25V)
P101	C208		00MOA227025R0	00MOA227025R0	ELECT. CAP.	ROA-25V 221M -H5#PE - T2 (220UF 25V)
P101	C209		00MOA10605020	00MOA10605020	ELECT. CAP.	10 UF M 50V RA-2
P101	C210		00MOA10605020	00MOA10605020	ELECT. CAP.	10 UF M 50V RA-2
P101	C501		00MOA226025Z0	00MOA226025Z0	ELECT. CAP.	ROS-25V 220M - F3#PE - T2 (22UF 25V)
P101	C502		00MOA226025Z0	00MOA226025Z0	ELECT. CAP.	ROS-25V 220M - F3#PE - T2 (22UF 25V)
P101	C503		00MOA226025Z0	00MOA226025Z0	ELECT. CAP.	ROS-25V 220M - F3#PE - T2 (22UF 25V)
P101	C504		00MOA226025Z0	00MOA226025Z0	ELECT. CAP.	ROS-25V 220M - F3#PE - T2 (22UF 25V)
P101	C505		00MOF55331580	00MOF55331580	FILM CAP.	330PF 100V +- 5% FNS
P101	C506		00MOF55331580	00MOF55331580	FILM CAP.	330PF 100V +- 5% FNS
P101	C507		00MOA476025Z0	00MOA476025Z0	ELECT. CAP.	ROS-25V 470M - G3#PE - T2 (47UF 25V)
P101	C508		00MOA476025Z0	00MOA476025Z0	ELECT. CAP.	ROS-25V 470M - G3#PE - T2 (47UF 25V)
P101	C509		00MOA106025R0	00MOA106025R0	ELECT. CAP.	ROA-25V 100M - E3#PE - T2 (10UF 25V)
P101	C510		00MOA106025R0	00MOA106025R0	ELECT. CAP.	ROA-25V 100M - E3#PE - T2 (10UF 25V)
P101	C511		00MOA477025R0	00MOA477025R0	ELECT. CAP.	ROA-25V 471M -I6#PE - S13 (470UF 25V)
P101	C512		00MOA477025R0	00MOA477025R0	ELECT. CAP.	ROA-25V 471M -I6#PE - S13 (470UF 25V)
P101	C513		00MOA226025R0	00MOA226025R0	ELECT. CAP.	ROA-25V 220M - F3#PE - T2 (22UF 25V)
P101	C514		00MOA226025R0	00MOA226025R0	ELECT. CAP.	ROA-25V 220M - F3#PE - T2 (22UF 25V)
P101	C515		00MOF55103580	00MOF55103580	FILM CAP.	0.01UF 100V +- 5% FNS
P101	C516	/F N	nsp	00MOA227025Z0	ELECT. CAP.	220 UF M 25V RA-2
P101	C516		00MOA227025R0	00MOA227025R0	ELECT. CAP.	ROA-25V 221M -H5#PE - T2 (220UF 25V)
P101	C517	/F N	nsp	00MOA227025Z0	ELECT. CAP.	220 UF M 25V RA-2
P101	C517		00MOA227025R0	00MOA227025R0	ELECT. CAP.	ROA-25V 221M -H5#PE - T2 (220UF 25V)
P101	C518		00MOF55103580	00MOF55103580	FILM CAP.	0.01UF 100V +- 5% FNS
P101	C521		00MOF15103540	00MOF15103540	FILM CAP.	APSV 103J,0.01UF(TP) 100V PP
P101	C524		00MOF15103540	00MOF15103540	FILM CAP.	APSV 103J,0.01UF(TP) 100V PP
P101	C551		00MOA476025Z0	00MOA476025Z0	ELECT. CAP.	ROS-25V 470M - G3#PE - T2 (47UF 25V)
P101	C552		00MOA476025Z0	00MOA476025Z0	ELECT. CAP.	ROS-25V 470M - G3#PE - T2 (47UF 25V)
P101	C553		00MOF55220590	00MOF55220590	FILM CAP.	22PF 200V +- 5% FAS
P101	C554		00MOF55220590	00MOF55220590	FILM CAP.	22PF 200V +- 5% FAS
P101	C555		00MOA106035Z0	00MOA106035Z0	ELECT. CAP.	ROS-35V 100M - F3#PE - T2 (10UF 35V)
P101	C556		00MOA106035Z0	00MOA106035Z0	ELECT. CAP.	ROS-35V 100M - F3#PE - T2 (10UF 35V)
P101	C557		00MOF55331580	00MOF55331580	FILM CAP.	330PF 100V +- 5% FNS
P101	C558		00MOF55331580	00MOF55331580	FILM CAP.	330PF 100V +- 5% FNS
P101	C851		00MOA108035R0	00MOA108035R0	ELECT. CAP.	ROA-35V 102M -K8#PE - S1 (1000UF 35V)
P101	C852		00MOA108035R0	00MOA108035R0	ELECT. CAP.	ROA-35V 102M -K8#PE - S1 (1000UF 35V)
P101	C853		00MOA476025Z0	00MOA476025Z0	ELECT. CAP.	ROS-25V 470M - G3#PE - T2 (47UF 25V)
P101	C854		00MOA476025Z0	00MOA476025Z0	ELECT. CAP.	ROS-25V 470M - G3#PE - T2 (47UF 25V)
P101	C855		00MOA477025R0	00MOA477025R0	ELECT. CAP.	ROA-25V 471M -I6#PE - S13 (470UF 25V)
P101	C856		00MOA477025R0	00MOA477025R0	ELECT. CAP.	ROA-25V 471M -I6#PE - S13 (470UF 25V)
P101	D101		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D102		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A

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

PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
P101	D103		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D104		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D105		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D106		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D107		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D108		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D109		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D201		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D501		00MHI10005340	00MHI10005340	L.E.D.	HLMF-K200 #2UL RED H=9 3MM
P101	D502		00MHI10005340	00MHI10005340	L.E.D.	HLMF-K200 #2UL RED H=9 3MM
P101	D503		00MHI10005340	00MHI10005340	L.E.D.	HLMF-K200 #2UL RED H=9 3MM
P101	D504		00MHI10005340	00MHI10005340	L.E.D.	HLMF-K200 #2UL RED H=9 3MM
P101	D505		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D506		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D507		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D508		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D509		00MHD30511000	00MHD30511000	ZENER DIODE	5.1V ZENER EQUIVALENT
P101	D510		00MHD30511000	00MHD30511000	ZENER DIODE	5.1V ZENER EQUIVALENT
P101	D514		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D515		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D851		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D852		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D853		00MHD32401000	00MHD32401000	ZENER DIODE	24V ZENER EQUIVALENT
P101	D854		00MHD32401000	00MHD32401000	ZENER DIODE	24V ZENER EQUIVALENT
P101	J101		00MYT02040970	00MYT02040970	TERMINAL	YKC21-3269 GOLD
P101	J102		00MYT02040970	00MYT02040970	TERMINAL	YKC21-3269 GOLD
P101	J103		00MYT02040970	00MYT02040970	TERMINAL	YKC21-3269 GOLD
P101	L101		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
P101	L102		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
P101	L103		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
P101	L104		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
P101	L105		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
P101	L106		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
P101	L107		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
P101	L110		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
P101	L111		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
P101	L201		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
P101	L202		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
P101	L551		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
P101	Q101		00MKH04AJ1020	00MKH04AJ1020	UNIT & H-IC	HDAM-SA2 MODULE WITHOUT COATING
P101	Q102		00MKH04AJ1020	00MKH04AJ1020	UNIT & H-IC	HDAM-SA2 MODULE WITHOUT COATING
P101	Q103		00MBA20001000	00MBA20001000	TRS.	DTC114ES/UN4211 10K,10K
P101	Q104		00MBA20001000	00MBA20001000	TRS.	DTC114ES/UN4211 10K,10K
P101	Q105		00MBA20001000	00MBA20001000	TRS.	DTC114ES/UN4211 10K,10K
P101	Q106		00MBA20001000	00MBA20001000	TRS.	DTC114ES/UN4211 10K,10K
P101	Q107		00MBA20001000	00MBA20001000	TRS.	DTC114ES/UN4211 10K,10K
P101	Q108		00MBA20001000	00MBA20001000	TRS.	DTC114ES/UN4211 10K,10K
P101	Q109		00MBA20001000	00MBA20001000	TRS.	DTC114ES/UN4211 10K,10K
P101	Q110		00MBA20001000	00MBA20001000	TRS.	DTC114ES/UN4211 10K,10K
P101	Q111		00MHC709449B0	00MHC709449B0	IC	74HC4094 16PIN DIP PHILIPS
P101	Q112		00MHC709449B0	00MHC709449B0	IC	74HC4094 16PIN DIP PHILIPS
P101	Q113		00MBA20001000	00MBA20001000	TRS.	DTC114ES/UN4211 10K,10K
P101	Q201		00MHC10053090	00MHC10053090	IC	IC NJM2068DD:MONO
P101	Q202		00MBA20001000	00MBA20001000	TRS.	DTC114ES/UN4211 10K,10K
P101	Q501		00MHC12263090	00MHC12263090	IC	NJM5532LD
P101	Q502		00MHC12263090	00MHC12263090	IC	NJM5532LD
P101	Q503		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
P101	Q504		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
P101	Q505		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P101	Q506		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P101	Q507		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
P101	Q508		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
P101	Q509		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P101	Q510		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P101	Q511		00MKH04AJ1020	00MKH04AJ1020	UNIT & H-IC	HDAM-SA2 MODULE WITHOUT COATING
P101	Q512		00MKH04AJ1020	00MKH04AJ1020	UNIT & H-IC	HDAM-SA2 MODULE WITHOUT COATING

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

PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
P101	Q513		00MKH04AJ1020	00MKH04AJ1020	UNIT & H-IC	HDAM-SA2 MODULE WITHOUT COATING
P101	Q514		00MKH04AJ1020	00MKH04AJ1020	UNIT & H-IC	HDAM-SA2 MODULE WITHOUT COATING
P101	Q515		00MHC10211990	00MHC10211990	IC	WM8816 VOLUME CONTROL IC
P101	Q551		00MHC12263090	00MHC12263090	IC	NJM5532LD
P101	Q553		00MBA20001000	00MBA20001000	TRS.	DTC114ES/UN4211 10K,10K
P101	Q851		00MHT41415100	00MHT41415100	TRS.	TRANSISTOR 2SD1415
P101	Q852		00MHT21020100	00MHT21020100	TRS.	2SB1020
P101	Q853		00MHT600111B0	00MHT600111B0	TRS.	KTA1267 PNP TRANSISTOR RANK=Y
P101	Q854		00MHT800921B0	00MHT800921B0	TRS.	KTC3199 NPN TRANSISTOR RANK=Y
P101	R101		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R102		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R103		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R104		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R105		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R106		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R107		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R108		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R109		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R110		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R111		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R112		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R113		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R114		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R115		nsp	00MGD05102160	RES.	1K OHM +- 5% 1/6W
P101	R116		nsp	00MGD05102160	RES.	1K OHM +- 5% 1/6W
P101	R117		nsp	00MGD05102160	RES.	1K OHM +- 5% 1/6W
P101	R118		nsp	00MGD05102160	RES.	1K OHM +- 5% 1/6W
P101	R121		nsp	00MGD05223160	RES.	22K OHM +- 5% 1/6W
P101	R122		nsp	00MGD05223160	RES.	22K OHM +- 5% 1/6W
P101	R123		nsp	00MGD05221160	RES.	220 OHM +- 5% 1/6W
P101	R124		nsp	00MGD05221160	RES.	220 OHM +- 5% 1/6W
P101	R125		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R126		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R131		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P101	R132		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P101	R133		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P101	R134		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P101	R135		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P101	R201		nsp	00MGD05272160	RES.	2.7K OHM +- 5% 1/6W
P101	R202		nsp	00MGD05272160	RES.	2.7K OHM +- 5% 1/6W
P101	R203		nsp	00MGD05272160	RES.	2.7K OHM +- 5% 1/6W
P101	R204		nsp	00MGD05272160	RES.	2.7K OHM +- 5% 1/6W
P101	R205		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R206		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R207		nsp	00MGD05470160	RES.	47 OHM +- 5% 1/6W
P101	R208		nsp	00MGD05470160	RES.	47 OHM +- 5% 1/6W
P101	R211		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R212		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R503		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R504		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R505		nsp	00MGD05331160	RES.	330 OHM +- 5% 1/6W
P101	R506		nsp	00MGD05331160	RES.	330 OHM +- 5% 1/6W
P101	R507		nsp	00MGD05331160	RES.	330 OHM +- 5% 1/6W
P101	R508		nsp	00MGD05331160	RES.	330 OHM +- 5% 1/6W
P101	R509		nsp	00MGD05151160	RES.	150 OHM +- 5% 1/6W
P101	R510		nsp	00MGD05151160	RES.	150 OHM +- 5% 1/6W
P101	R511		nsp	00MGD05151160	RES.	150 OHM +- 5% 1/6W
P101	R512		nsp	00MGD05151160	RES.	150 OHM +- 5% 1/6W
P101	R513		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P101	R514		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P101	R515		nsp	00MGD05225160	RES.	2.2M OHM +- 5% 1/6W
P101	R516		nsp	00MGD05225160	RES.	2.2M 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	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P101	R520		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W

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

PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
P101	R521		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P101	R522		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P101	R523		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P101	R524		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P101	R525		nsp	00MGD05100160	RES.	10 OHM +- 5% 1/6W
P101	R526		nsp	00MGD05100160	RES.	10 OHM +- 5% 1/6W
P101	R529		nsp	00MGD05221160	RES.	220 OHM +- 5% 1/6W
P101	R530		nsp	00MGD05221160	RES.	220 OHM +- 5% 1/6W
P101	R531		nsp	00MGD05470160	RES.	47 OHM +- 5% 1/6W
P101	R532		nsp	00MGD05470160	RES.	47 OHM +- 5% 1/6W
P101	R535		nsp	00MGD05472160	RES.	4.7K OHM +- 5% 1/6W
P101	R536		nsp	00MGD05472160	RES.	4.7K OHM +- 5% 1/6W
P101	R537		nsp	00MGD05472160	RES.	4.7K OHM +- 5% 1/6W
P101	R538		nsp	00MGD05472160	RES.	4.7K OHM +- 5% 1/6W
P101	R551		nsp	00MGD05472160	RES.	4.7K OHM +- 5% 1/6W
P101	R552		nsp	00MGD05472160	RES.	4.7K OHM +- 5% 1/6W
P101	R553		nsp	00MGD05682160	RES.	6.8K OHM +- 5% 1/6W
P101	R554		nsp	00MGD05682160	RES.	6.8K OHM +- 5% 1/6W
P101	R555		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R556		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R557		nsp	00MGD05331160	RES.	330 OHM +- 5% 1/6W
P101	R558		nsp	00MGD05331160	RES.	330 OHM +- 5% 1/6W
P101	R559		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P101	R560		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P101	R851		nsp	00MGD05102160	RES.	1K OHM +- 5% 1/6W
P101	R852		nsp	00MGD05102160	RES.	1K OHM +- 5% 1/6W
P101	R853		nsp	00MGD05153160	RES.	15K OHM +- 5% 1/6W
P101	R854		nsp	00MGD05153160	RES.	15K OHM +- 5% 1/6W
P101	R855		nsp	00MGD05681160	RES.	680 OHM +- 5% 1/6W
P101	R856		nsp	00MGD05681160	RES.	680 OHM +- 5% 1/6W
					TONE VOL, (00MWG10AJ307-)	
P251	C251		00MOA22505020	00MOA22505020	ELECT. CAP.	2.2 UF M 50V RA-2
P251	C252		00MOA22505020	00MOA22505020	ELECT. CAP.	2.2 UF M 50V RA-2
P251	C253		00MOF15683040	00MOF15683040	FILM CAP.	0.068UF +-5% 50V MTFV
P251	C254		00MOF15683040	00MOF15683040	FILM CAP.	0.068UF +-5% 50V MTFV
P251	C255		00MOF15103540	00MOF15103540	FILM CAP.	APSV 103J,0.01UF(TP) 100V PP
P251	C256		00MOF15103540	00MOF15103540	FILM CAP.	APSV 103J,0.01UF(TP) 100V PP
P251	C257		00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P251	C258		00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P251	C259		00MOA10702520	00MOA10702520	ELECT. CAP.	100 UF M 25V RA-2
P251	C260		00MOA10702520	00MOA10702520	ELECT. CAP.	100 UF M 25V RA-2
P251	C261		00MOA10702520	00MOA10702520	ELECT. CAP.	100 UF M 25V RA-2
P251	C262		00MOA10702520	00MOA10702520	ELECT. CAP.	100 UF M 25V RA-2
P251	Q251		00MHC10053090	00MHC10053090	IC	IC NJM2068DD:MONO
P251	Q252		00MHC10053090	00MHC10053090	IC	IC NJM2068DD:MONO
P251	R251		00MRM01031280	00MRM01031280	VAR. RES.	10K(B)X2 K09G0A0C
P251	R252		00MRM01031280	00MRM01031280	VAR. RES.	10K(B)X2 K09G0A0C
P251	R253		nsp	00MNN05122610	CHIP RES.	1.2K OHM +- 5% 1/16W
P251	R254		nsp	00MNN05122610	CHIP RES.	1.2K OHM +- 5% 1/16W
P251	R255		nsp	00MNN05563610	CHIP RES.	56K OHM +- 5% 1/16W
P251	R256		nsp	00MNN05563610	CHIP RES.	56K OHM +- 5% 1/16W
P251	R257		nsp	00MNN05122610	CHIP RES.	1.2K OHM +- 5% 1/16W
P251	R258		nsp	00MNN05122610	CHIP RES.	1.2K OHM +- 5% 1/16W
P251	R259		nsp	00MNN05563610	CHIP RES.	56K OHM +- 5% 1/16W
P251	R260		nsp	00MNN05563610	CHIP RES.	56K OHM +- 5% 1/16W
					PREOUT/MAININ SW (00MWA10AJ102-)	
P351	C351	/K1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P351	C351	/L1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P351	C351	/N1G	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P351	C351	/N1S	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P351	C351	/S1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P351	C352	/K1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P351	C352	/L1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P351	C352	/N1G	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P351	C352	/N1S	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P351	C352	/S1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV

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

PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
P351	J351		00MYT02021130	00MYT02021130	TERMINAL	2P CINCH JACK YKC21-3255 (GOLD)
P351	L351		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
					PHONO AMP (00MWA10AJ203-)	
P401	C401		00MOF55102580	00MOF55102580	FILM CAP.	1000PF 100V FNS
P401	C402		00MOF55102580	00MOF55102580	FILM CAP.	1000PF 100V FNS
P401	C403		00MOF55101590	00MOF55101590	FILM CAP.	100PF 200V +- 5% FAS
P401	C404		00MOF55101590	00MOF55101590	FILM CAP.	100PF 200V +- 5% FAS
P401	C405		00MOF55102580	00MOF55102580	FILM CAP.	1000PF 100V FNS
P401	C406		00MOF55102580	00MOF55102580	FILM CAP.	1000PF 100V FNS
P401	C407		00MOA107025R0	00MOA107025R0	ELECT. CAP.	ROA-25V 101M -H4#PE - T2 (100UF 25V)
P401	C408		00MOA107025R0	00MOA107025R0	ELECT. CAP.	ROA-25V 101M -H4#PE - T2 (100UF 25V)
P401	C409		00MOF55681580	00MOF55681580	FILM CAP.	680PF 100V +-5% FNS
P401	C410		00MOF55681580	00MOF55681580	FILM CAP.	680PF 100V +-5% FNS
P401	C413		00MOF55103580	00MOF55103580	FILM CAP.	0.01UF 100V +- 5% FNS
P401	C414		00MOF55103580	00MOF55103580	FILM CAP.	0.01UF 100V +- 5% FNS
P401	C417		00MOF55393580	00MOF55393580	FILM CAP.	0.039UF 100V +- 5% FAS
P401	C418		00MOF55393580	00MOF55393580	FILM CAP.	0.039UF 100V +- 5% FAS
P401	C419		00MOF55102580	00MOF55102580	FILM CAP.	1000PF 100V FNS
P401	C420		00MOF55102580	00MOF55102580	FILM CAP.	1000PF 100V FNS
P401	C421		00MOA106035Z0	00MOA106035Z0	ELECT. CAP.	ROS-35V 100M - F3#PE - T2 (10UF 35V)
P401	C422		00MOA106035Z0	00MOA106035Z0	ELECT. CAP.	ROS-35V 100M - F3#PE - T2 (10UF 35V)
P401	C423		00MOA477025R0	00MOA477025R0	ELECT. CAP.	ROA-25V 471M -I6#PE - S13 (470UF 25V)
P401	C424		00MOA477025R0	00MOA477025R0	ELECT. CAP.	ROA-25V 471M -I6#PE - S13 (470UF 25V)
P401	C425		00MOA47602520	00MOA47602520	ELECT. CAP.	47 UF M 25V RA-2
P401	C429	/K1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
P401	C429	/L1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
P401	C429	/N1G	00MOF15221540	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
P401	C429	/N1S	00MOF15221540	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
P401	C429	/S1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
P401	C430	/K1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
P401	C430	/L1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
P401	C430	/N1G	00MOF15221540	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
P401	C430	/N1S	00MOF15221540	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
P401	C430	/S1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
P401	C431		00MOF55101590	00MOF55101590	FILM CAP.	100PF 200V +- 5% FAS
P401	C432		00MOF55101590	00MOF55101590	FILM CAP.	100PF 200V +- 5% FAS
P401	D401		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P401	D402		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P401	D403		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P401	D404		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P401	D405		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P401	D406		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P401	D407		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P401	D408		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P401	J191		00MYT02021390	00MYT02021390	TERMINAL	2P CINCH PIN JACK (T6743 BLK/BLK)
P401	J401		00MYT02021390	00MYT02021390	TERMINAL	2P CINCH PIN JACK (T6743 BLK/BLK)
P401	L401	/K1G	nsp	00MLC13240010	CHOKO COIL	320 MH CHOKO COIL (TOROIDAL)
P401	L401	/L1G	nsp	00MLC13240010	CHOKO COIL	320 MH CHOKO COIL (TOROIDAL)
P401	L401	/N1G	00MLC13240010	00MLC13240010	CHOKO COIL	320 MH CHOKO COIL (TOROIDAL)
P401	L401	/N1S	00MLC13240010	00MLC13240010	CHOKO COIL	320 MH CHOKO COIL (TOROIDAL)
P401	L401	/S1G	nsp	00MLC13240010	CHOKO COIL	320 MH CHOKO COIL (TOROIDAL)
P401	L402	/K1G	nsp	00MLC13240010	CHOKO COIL	320 MH CHOKO COIL (TOROIDAL)
P401	L402	/L1G	nsp	00MLC13240010	CHOKO COIL	320 MH CHOKO COIL (TOROIDAL)
P401	L402	/N1G	00MLC13240010	00MLC13240010	CHOKO COIL	320 MH CHOKO COIL (TOROIDAL)
P401	L402	/N1S	00MLC13240010	00MLC13240010	CHOKO COIL	320 MH CHOKO COIL (TOROIDAL)
P401	L402	/S1G	nsp	00MLC13240010	CHOKO COIL	320 MH CHOKO COIL (TOROIDAL)
P401	L403		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
P401	L404		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
P401	Q401		00MHF203691B0	00MHF203691B0	F.E.T.	2SK369 BL VGDS-40V PD0.4W
P401	Q402		00MHF203691B0	00MHF203691B0	F.E.T.	2SK369 BL VGDS-40V PD0.4W
P401	Q403		00MHF203691B0	00MHF203691B0	F.E.T.	2SK369 BL VGDS-40V PD0.4W
P401	Q404		00MHF203691B0	00MHF203691B0	F.E.T.	2SK369 BL VGDS-40V PD0.4W
P401	Q405		00MHT327052A0	00MHT327052A0	TRS.	2SC2705 O OR Y TAPING TOSHIBA
P401	Q406		00MHT327052A0	00MHT327052A0	TRS.	2SC2705 O OR Y TAPING TOSHIBA
P401	Q407		00MHC10027090	00MHC10027090	IC	NJM5534D
P401	Q408		00MHC10027090	00MHC10027090	IC	NJM5534D

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

PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
P401	Q409		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
P401	Q410		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
P401	Q411		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P401	Q412		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P401	Q413		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P401	Q414		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P401	Q415		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
P401	Q416		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
P401	Q417		00MBA20001000	00MBA20001000	TRS.	DTC114ES/UN4211 10K,10K
P401	R401		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P401	R402		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P401	R403		nsp	00MGD05330160	RES.	33 OHM +- 5% 1/6W
P401	R404		nsp	00MGD05330160	RES.	33 OHM +- 5% 1/6W
P401	R405		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P401	R406		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P401	R407		nsp	00MGD05155160	RES.	1.5M OHM +- 5% 1/6W
P401	R408		nsp	00MGD05155160	RES.	1.5M OHM +- 5% 1/6W
P401	R409		nsp	00MGD05393160	RES.	39K OHM +- 5% 1/6W
P401	R410		nsp	00MGD05393160	RES.	39K OHM +- 5% 1/6W
P401	R411		nsp	00MGD05222160	RES.	2.2K OHM +- 5% 1/6W
P401	R412		nsp	00MGD05222160	RES.	2.2K OHM +- 5% 1/6W
P401	R413		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P401	R414		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P401	R415		nsp	00MGD05222160	RES.	2.2K OHM +- 5% 1/6W
P401	R416		nsp	00MGD05222160	RES.	2.2K OHM +- 5% 1/6W
P401	R417		nsp	00MGD05222160	RES.	2.2K OHM +- 5% 1/6W
P401	R418		nsp	00MGD05222160	RES.	2.2K OHM +- 5% 1/6W
P401	R419		nsp	00MGD05391160	RES.	390 OHM +- 5% 1/6W
P401	R420		nsp	00MGD05391160	RES.	390 OHM +- 5% 1/6W
P401	R421		nsp	00MGD05335160	RES.	3.3M OHM +- 5% 1/6W
P401	R422		nsp	00MGD05335160	RES.	3.3M OHM +- 5% 1/6W
P401	R423		nsp	00MGD05331160	RES.	330 OHM +- 5% 1/6W
P401	R424		nsp	00MGD05331160	RES.	330 OHM +- 5% 1/6W
P401	R425		nsp	00MGD05221160	RES.	220 OHM +- 5% 1/6W
P401	R426		nsp	00MGD05221160	RES.	220 OHM +- 5% 1/6W
P401	R427		nsp	00MGD05221160	RES.	220 OHM +- 5% 1/6W
P401	R428		nsp	00MGD05221160	RES.	220 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	00MGD05471160	RES.	470 OHM +- 5% 1/6W
P401	R432		nsp	00MGD05471160	RES.	470 OHM +- 5% 1/6W
P401	R433		nsp	00MGD05331160	RES.	330 OHM +- 5% 1/6W
P401	R434		nsp	00MGD05331160	RES.	330 OHM +- 5% 1/6W
P401	R435		nsp	00MGD05105160	RES.	1M OHM +- 5% 1/6W
P401	R436		nsp	00MGD05105160	RES.	1M OHM +- 5% 1/6W
P401	R437		nsp	00MGD05150160	RES.	15 OHM +- 5% 1/6W
P401	R438		nsp	00MGD05150160	RES.	15 OHM +- 5% 1/6W
P401	R439		nsp	00MGD05150160	RES.	15 OHM +- 5% 1/6W
P401	R440		nsp	00MGD05150160	RES.	15 OHM +- 5% 1/6W
P401	R441		nsp	00MGD05682160	RES.	6.8K OHM +- 5% 1/6W
P401	R442		nsp	00MGD05682160	RES.	6.8K OHM +- 5% 1/6W
P401	R443		nsp	00MGD05124160	RES.	120K OHM +- 5% 1/6W
P401	R444		nsp	00MGD05124160	RES.	120K OHM +- 5% 1/6W
P401	R447		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P401	R448		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P401	R449		nsp	00MGD05100160	RES.	10 OHM +- 5% 1/6W
P401	R450		nsp	00MGD05100160	RES.	10 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	00MGD05221160	RES.	220 OHM +- 5% 1/6W
P401	R454		nsp	00MGD05221160	RES.	220 OHM +- 5% 1/6W
					POWER AMP L (00MWA10AJ201-)	
P601	C601		00MOA106035Z0	00MOA106035Z0	ELECT. CAP.	ROS-35V 100M - F3#PE - T2 (10UF 35V)
P601	C602		00MOF55220590	00MOF55220590	FILM CAP.	22PF 200V +- 5% FAS
P601	C603		00MOA476025Z0	00MOA476025Z0	ELECT. CAP.	ROS-25V 470M - G3#PE - T2 (47UF 25V)
P601	C604		00MOA476025Z0	00MOA476025Z0	ELECT. CAP.	ROS-25V 470M - G3#PE - T2 (47UF 25V)

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

PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJL)	PART NAME	DESCRIPTION
P601	C605		00MOB47708050	00MOB47708050	ELECT. CAP.	470UF/80V NICHICON PB-FREE
P601	C606		00MOB47708050	00MOB47708050	ELECT. CAP.	470UF/80V NICHICON PB-FREE
P601	C607		00MOA477025R0	00MOA477025R0	ELECT. CAP.	ROA-25V 471M -I6#PE - S13 (470UF 25V)
P601	C608		00MOA477025R0	00MOA477025R0	ELECT. CAP.	ROA-25V 471M -I6#PE - S13 (470UF 25V)
P601	C609		00MOF55331580	00MOF55331580	FILM CAP.	330PF 100V +- 5% FNS
P601	C610		00MOA476025Z0	00MOA476025Z0	ELECT. CAP.	ROS-25V 470M - G3#PE - T2 (47UF 25V)
P601	C611		00MOF55103580	00MOF55103580	FILM CAP.	0.01UF 100V +- 5% FNS
P601	C612		00MOA47405020	00MOA47405020	ELECT. CAP.	0.47UF M 50V RA-2
P601	D601		00MHD32001000	00MHD32001000	ZENER DIODE	20V ZENER EQUIVALENT
P601	D602		00MHD32001000	00MHD32001000	ZENER DIODE	20V ZENER EQUIVALENT
P601	D603		00MHI10005340	00MHI10005340	L.E.D.	HLMF-K200 #2UL RED H=9 3MM
P601	D604		00MHI10005340	00MHI10005340	L.E.D.	HLMF-K200 #2UL RED H=9 3MM
P601	D605		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P601	D606		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P601	D609		00MHD20027010	00MHD20027010	DIODE	HSS81TD 150V 150MA AXIAL.
P601	J607		00MYP07001960	00MYP07001960	PLUG	IMSA-1068-06Z042 6P
P601	J608		00MYP07001960	00MYP07001960	PLUG	IMSA-1068-06Z042 6P
P601	Q601		00MHC12263090	00MHC12263090	IC	NJM5532LD
P601	Q602		00MKH04AJ1020	00MKH04AJ1020	UNIT & H-IC	HDAM-SA2 MODULE WITHOUT COATING
P601	Q603		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P601	Q604		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
P601	Q605		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
P601	Q606		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P601	Q607		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
P601	Q608		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P601	Q609		00MHT111452A0	00MHT111452A0	TRS.	2SA1145 O OR Y TAPING TOSHIBA
P601	Q610		00MHT327052A0	00MHT327052A0	TRS.	2SC2705 O OR Y TAPING TOSHIBA
P601	Q611		00MHT327052A0	00MHT327052A0	TRS.	2SC2705 O OR Y TAPING TOSHIBA
P601	Q612		00MHT111452A0	00MHT111452A0	TRS.	2SA1145 O OR Y TAPING TOSHIBA
P601	K603		00MHK185919C0	00MHK185919C0	TRS. KIT	2SA1859/C4883 PAIR FOR Q614/Q613
P601	Q613		nsp	nsp	TRS.	2SC4883 O OR Y PAIR WITH Q614
P601	Q614		nsp	nsp	TRS.	2SA1859 O OR Y PAIR WITH Q613
P601	Q615		00MHT332843D0	00MHT332843D0	TRS.	2SC3284 O,P,Y 125W FMG112
P601	Q616		00MHT113033D0	00MHT113033D0	TRS.	2SA1303 O,P,Y 125W FMG112
P601	Q617		00MHT334191Y0	00MHT334191Y0	TRS.	TRANSISTOR C3419 Y 40V 0.8A PC=1.2W (5W)
P601	Q618		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P601	Q619		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
P601	R601		nsp	00MGD05105160	RES.	1M OHM +- 5% 1/6W
P601	R602		nsp	00MGD05472160	RES.	4.7K OHM +- 5% 1/6W
P601	R603		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P601	R604		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P601	R605		nsp	00MGD05123160	RES.	12K OHM +- 5% 1/6W
P601	R606		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P601	R607		nsp	00MGD05100160	RES.	10 OHM +- 5% 1/6W
P601	R608		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P601	R612		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P601	R614		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P601	R617		nsp	00MGD05105160	RES.	1M OHM +- 5% 1/6W
P601	R618		nsp	00MGD05105160	RES.	1M OHM +- 5% 1/6W
P601	R621		nsp	00MGD05472160	RES.	4.7K OHM +- 5% 1/6W
P601	R622		nsp	00MGD05102160	RES.	1K OHM +- 5% 1/6W
P601	R623		00MRA02220760	00MRA02220760	TRIM. RES.	VARIABLE RESISTOR 2.2KOHM
P601	R624		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P601	R634		00MGO05001050	00MGO05001050	RES.	0.1 OHMS +-5% 5W PBR58
P601	R635		00MGO05001050	00MGO05001050	RES.	0.1 OHMS +-5% 5W PBR58
P601	R638		nsp	00MGD05223160	RES.	22K OHM +- 5% 1/6W
P601	R639		nsp	00MGD05223160	RES.	22K OHM +- 5% 1/6W
P601	R640		nsp	00MGD05682160	RES.	6.8K OHM +- 5% 1/6W
P601	R641		nsp	00MGD05223160	RES.	22K OHM +- 5% 1/6W
P601	R642		nsp	00MGD05222160	RES.	2.2K OHM +- 5% 1/6W
P601	U629		00MHD20027010	00MHD20027010	DIODE	HSS81TD 150V 150MA AXIAL.
					POSISTOR L (00MWA10AJ206-)	
P661	R661		00MHP00033240	00MHP00033240	VARISTOR	VARISTOR PTH9M04BC222TS2F333 (MURATA)
					POWER AMP R (00MWA10AJ202-)	
P701	C701		00MOA106035Z0	00MOA106035Z0	ELECT. CAP.	ROS-35V 100M - F3#PE - T2 (10UF 35V)
P701	C702		00MOF55220590	00MOF55220590	FILM CAP.	22PF 200V +- 5% FAS

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

PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
P701	C703		00MOA476025Z0	00MOA476025Z0	ELECT. CAP.	ROS-25V 470M - G3#PE - T2 (47UF 25V)
P701	C704		00MOA476025Z0	00MOA476025Z0	ELECT. CAP.	ROS-25V 470M - G3#PE - T2 (47UF 25V)
P701	C705		00MOB47708050	00MOB47708050	ELECT. CAP.	470UF/80V NICHICON PB-FREE
P701	C706		00MOB47708050	00MOB47708050	ELECT. CAP.	470UF/80V NICHICON PB-FREE
P701	C707		00MOA477025R0	00MOA477025R0	ELECT. CAP.	ROA-25V 471M -I6#PE - S13 (470UF 25V)
P701	C708		00MOA477025R0	00MOA477025R0	ELECT. CAP.	ROA-25V 471M -I6#PE - S13 (470UF 25V)
P701	C709		00MOF55331580	00MOF55331580	FILM CAP.	330PF 100V +- 5% FNS
P701	C710		00MOA476025Z0	00MOA476025Z0	ELECT. CAP.	ROS-25V 470M - G3#PE - T2 (47UF 25V)
P701	C711		00MOF55103580	00MOF55103580	FILM CAP.	0.01UF 100V +- 5% FNS
P701	C712		00MOA47405020	00MOA47405020	ELECT. CAP.	0.47UF M 50V RA-2
P701	D701		00MHD32001000	00MHD32001000	ZENER DIODE	20V ZENER EQUIVALENT
P701	D702		00MHD32001000	00MHD32001000	ZENER DIODE	20V ZENER EQUIVALENT
P701	D703		00MHI10005340	00MHI10005340	L.E.D.	HLMF-K200 #2UL RED H=9 3MM
P701	D704		00MHI10005340	00MHI10005340	L.E.D.	HLMF-K200 #2UL RED H=9 3MM
P701	D705		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P701	D706		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P701	D709		00MHD20027010	00MHD20027010	DIODE	HSS81TD 150V 150MA AXIAL.
P701	J707		00MYP07001960	00MYP07001960	PLUG	IMSA-1068-06Z042 6P
P701	J708		00MYP07001960	00MYP07001960	PLUG	IMSA-1068-06Z042 6P
P701	Q701		00MHC12263090	00MHC12263090	IC	NJM5532LD
P701	Q702		00MKH04AJ1020	00MKH04AJ1020	UNIT & H-IC	HDAM-SA2 MODULE WITHOUT COATING
P701	Q703		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P701	Q704		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
P701	Q705		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
P701	Q706		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P701	Q707		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
P701	Q708		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P701	Q709		00MHT111452A0	00MHT111452A0	TRS.	2SA1145 O OR Y TAPING TOSHIBA
P701	Q710		00MHT327052A0	00MHT327052A0	TRS.	2SC2705 O OR Y TAPING TOSHIBA
P701	Q711		00MHT327052A0	00MHT327052A0	TRS.	2SC2705 O OR Y TAPING TOSHIBA
P701	Q712		00MHT111452A0	00MHT111452A0	TRS.	2SA1145 O OR Y TAPING TOSHIBA
P701	K703		00MHK185919C0	00MHK185919C0	TRS. KIT	2SA1859/C4883 PAIR FOR Q714/Q713
P701	Q713		nsp	nsp	TRS.	2SC4883 O OR Y PAIR WITH Q714
P701	Q714		nsp	nsp	TRS.	2SA1859 O OR Y PAIR WITH Q713
P701	Q715		00MHT332843D0	00MHT332843D0	TRS.	2SC3284 O,P,Y 125W FMG112
P701	Q716		00MHT113033D0	00MHT113033D0	TRS.	2SA1303 O,P,Y 125W FMG112
P701	Q717		00MHT334191Y0	00MHT334191Y0	TRS.	TRANSISTOR C3419 Y 40V 0.8A PC=1.2W (5W)
P701	Q718		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P701	Q719		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
P701	R701		nsp	00MGD05105160	RES.	1M OHM +- 5% 1/6W
P701	R702		nsp	00MGD05472160	RES.	4.7K OHM +- 5% 1/6W
P701	R703		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P701	R704		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P701	R705		nsp	00MGD05123160	RES.	12K OHM +- 5% 1/6W
P701	R706		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P701	R707		nsp	00MGD05100160	RES.	10 OHM +- 5% 1/6W
P701	R708		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P701	R712		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P701	R714		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P701	R717		nsp	00MGD05105160	RES.	1M OHM +- 5% 1/6W
P701	R718		nsp	00MGD05105160	RES.	1M OHM +- 5% 1/6W
P701	R721		nsp	00MGD05472160	RES.	4.7K OHM +- 5% 1/6W
P701	R722		nsp	00MGD05102160	RES.	1K OHM +- 5% 1/6W
P701	R723		00MRA02220760	00MRA02220760	TRIM. RES.	VARIABLE RESISTOR 2.2KOHM
P701	R724		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P701	R734		00MGO05001050	00MGO05001050	RES.	0.1 OHMS +-5% 5W PBR58
P701	R735		00MGO05001050	00MGO05001050	RES.	0.1 OHMS +-5% 5W PBR58
P701	R738		nsp	00MGD05223160	RES.	22K OHM +- 5% 1/6W
P701	R739		nsp	00MGD05223160	RES.	22K OHM +- 5% 1/6W
P701	R740		nsp	00MGD05682160	RES.	6.8K OHM +- 5% 1/6W
P701	R741		nsp	00MGD05223160	RES.	22K OHM +- 5% 1/6W
P701	R742		nsp	00MGD05222160	RES.	2.2K OHM +- 5% 1/6W
P701	U733		00MHD20027010	00MHD20027010	DIODE	HSS81TD 150V 150MA AXIAL.
					POSISTOR R (00MWA10AJ207-)	
P761	R761		00MHP00033240	00MHP00033240	VARISTOR	VARISTOR PTH9M04BC222TS2F333 (MURATA)

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PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
					POWER SUPPLY (00MWA10AJ205-)	
P801	C803		00MOC33805040	00MOC33805040	ELECT. CAP.	3300UF/50V NICHICON UFW1H332MHDIAA
P801	C804		00MOC33805040	00MOC33805040	ELECT. CAP.	3300UF/50V NICHICON UFW1H332MHDIAA
P801	C807		00MOA47802520	00MOA47802520	ELECT. CAP.	4700UF/25V RA-2
P801	C808		00MOA106025R0	00MOA106025R0	ELECT. CAP.	ROA-25V 100M - E3#PE - T2 (10UF 25V)
P801	C809		00MOA47702520	00MOA47702520	ELECT. CAP.	470UF 25V M RA-2
P801	C810		00MOA10505020	00MOA10505020	ELECT. CAP.	1 UF M 50V RA-2
P801	C811		00MOA10505020	00MOA10505020	ELECT. CAP.	1 UF M 50V RA-2
P801	C812		00MOA47701020	00MOA47701020	ELECT. CAP.	470 UF M 10V RA-2
P801	C813		00MOA10605020	00MOA10605020	ELECT. CAP.	10 UF M 50V RA-2
P801	C814		00MOA47701020	00MOA47701020	ELECT. CAP.	470 UF M 10V RA-2
P801	D801		00MHD20045290	00MHD20045290	DIODE	D1NJ10 100V 1A SBD TAPING
P801	D802		00MHD20045290	00MHD20045290	DIODE	D1NJ10 100V 1A SBD TAPING
P801	D803		00MHD20045290	00MHD20045290	DIODE	D1NJ10 100V 1A SBD TAPING
P801	D804		00MHD20045290	00MHD20045290	DIODE	D1NJ10 100V 1A SBD TAPING
P801	D806		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P801	D807		00MHD31601000	00MHD31601000	ZENER DIODE	16V ZENER EQUIVALENT
P801	D808		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P801	D809		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P801	D811		00MHE10005100	00MHE10005100	DIODE	SBD UNIT FCH20A15 TO-220
P801	D812		00MHE10006100	00MHE10006100	DIODE	SBD UNIT FRH20A15 TO-220
P801	D813		00MHD20045290	00MHD20045290	DIODE	D1NJ10 100V 1A SBD TAPING
P801	D814		00MHD20045290	00MHD20045290	DIODE	D1NJ10 100V 1A SBD TAPING
P801	D815		00MHD20045290	00MHD20045290	DIODE	D1NJ10 100V 1A SBD TAPING
P801	D816		00MHD20045290	00MHD20045290	DIODE	D1NJ10 100V 1A SBD TAPING
P801	▲ F881	/F N	nsp	00MFS10800960	FUSE	# LF.8A/125V 0233008. 233 PSE UL CSA P
P801	▲ F881	/K1G	nsp	00MFS10400850	FUSE	# 4 A 250V BS LISTED
P801	▲ F881	/L1G	nsp	00MFS10800960	FUSE	# LF.8A/125V 0233008. 233 PSE UL CSA P
P801	▲ F881	/N1G	00MFS10400850	00MFS10400850	FUSE	# 4 A 250V BS LISTED
P801	▲ F881	/N1S	00MFS10400850	00MFS10400850	FUSE	# 4 A 250V BS LISTED
P801	▲ F881	/S1G	nsp	00MFS10400850	FUSE	# 4 A 250V BS LISTED
P801	▲ F882	/F N	nsp	00MFS10125350	FUSE	# 1.25A 125V UL,CSA,MITI
P801	G801		00MBF47400020	00MBF47400020	CAP.COMP.	0.47UF+6.8OHM RFD2B474K
P801	G802		00MBF47400020	00MBF47400020	CAP.COMP.	0.47UF+6.8OHM RFD2B474K
P801	G803		00MBF47400020	00MBF47400020	CAP.COMP.	0.47UF+6.8OHM RFD2B474K
P801	J881	/F N	nsp	00MYJ04001590	JACK	AC OUTLET 1P
P801	L802		00MFC90050130	00MFC90050130	FERRITE CORE	BL02RN2-R62T2 FERRITE BEAD
P801	L803		00MFC90050130	00MFC90050130	FERRITE CORE	BL02RN2-R62T2 FERRITE BEAD
P801	L804		00MFC90050130	00MFC90050130	FERRITE CORE	BL02RN2-R62T2 FERRITE BEAD
P801	L805		00MLC21060720	00MLC21060720	CHOKO COIL	10MH SL1923-103KR33
P801	L806		00MLC21060720	00MLC21060720	CHOKO COIL	10MH SL1923-103KR33
P801	L807		00MFC90050130	00MFC90050130	FERRITE CORE	BL02RN2-R62T2 FERRITE BEAD
P801	Q804		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P801	Q805		00MHT41415100	00MHT41415100	TRS.	TRANSISTOR 2SD1415
P801	Q806		00MHT600111B0	00MHT600111B0	TRS.	KTA1267 PNP TRANSISTOR RANK=Y
P801	Q807		00MHC38505090	00MHC38505090	IC	NJM78M05FA
P801	R801		00MNK05010120	00MNK05010120	METAL RES.	1.0 OHM +-5% 1/2W ERG12SJW-E
P801	R802		00MNK05010120	00MNK05010120	METAL RES.	1.0 OHM +-5% 1/2W ERG12SJW-E
P801	R803		nsp	00MGD05682160	RES.	6.8K OHM +- 5% 1/6W
P801	R804		00MNK05010120	00MNK05010120	METAL RES.	1.0 OHM +-5% 1/2W ERG12SJW-E
P801	R805		nsp	00MGD05102160	RES.	1K OHM +- 5% 1/6W
P801	R806		nsp	00MGD05153160	RES.	15K OHM +- 5% 1/6W
P801	R807		nsp	00MGD05681160	RES.	680 OHM +- 5% 1/6W
P801	R808		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P801	R810		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P801	R811		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P801	R812		nsp	00MGD05222160	RES.	2.2K OHM +- 5% 1/6W
P801	R813		nsp	00MGD05183160	RES.	18K OHM +- 5% 1/6W
P801	R814		nsp	00MGD05183160	RES.	18K OHM +- 5% 1/6W
P801	R815		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
					POWER SW (00MWA10AJ104-)	
P891	S891		00MSP01012500	00MSP01012500	PUSH SW	ESB92S13B TV-5 STROKE=1.5MM
					SPK, PROTECTION (00MWA10AJ204-)	
P901	C901		00MOF55393580	00MOF55393580	FILM CAP.	0.039UF 100V +- 5% FAS
P901	C902		00MOF55393580	00MOF55393580	FILM CAP.	0.039UF 100V +- 5% FAS
P901	C903	/K1G	nsp	00MOF55103580	FILM CAP.	0.01UF 100V +- 5% FNS

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PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
P901	C903	/L1G	nsp	00MOF55103580	FILM CAP.	0.01UF 100V +- 5% FNS
P901	C903	/N1G	00MOF55103580	00MOF55103580	FILM CAP.	0.01UF 100V +- 5% FNS
P901	C903	/N1S	00MOF55103580	00MOF55103580	FILM CAP.	0.01UF 100V +- 5% FNS
P901	C903	/S1G	nsp	00MOF55103580	FILM CAP.	0.01UF 100V +- 5% FNS
P901	C904	/K1G	nsp	00MOF55103580	FILM CAP.	0.01UF 100V +- 5% FNS
P901	C904	/L1G	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	C904	/S1G	nsp	00MOF55103580	FILM CAP.	0.01UF 100V +- 5% FNS
P901	C905		00MOA47602520	00MOA47602520	ELECT. CAP.	47 UF M 25V RA-2
P901	C908		00MOA47602520	00MOA47602520	ELECT. CAP.	47 UF M 25V RA-2
P901	C909		00MOA47602520	00MOA47602520	ELECT. CAP.	47 UF M 25V RA-2
P901	C910		00MOA47405020	00MOA47405020	ELECT. CAP.	0.47UF M 50V RA-2
P901	D901		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P901	D902		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P901	D903		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P901	D904		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P901	L901		00MLY20240310	00MLY20240310	RELAY	VB 24MBU-510 5A/240VAC
P901	L902		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
P901	Q901		00MHC10042050	00MHC10042050	IC	IC TA7317P
P901	Q902		00MBA20001000	00MBA20001000	TRS.	DTC114ES/UN4211 10K,10K
P901	Q903		00MBA20001000	00MBA20001000	TRS.	DTC114ES/UN4211 10K,10K
P901	Q904		00MHT600111B0	00MHT600111B0	TRS.	KTA1267 PNP TRANSISTOR RANK=Y
P901	Q905		00MHT600111B0	00MHT600111B0	TRS.	KTA1267 PNP TRANSISTOR RANK=Y
P901	R905		nsp	00MGD05683160	RES.	68K OHM +- 5% 1/6W
P901	R906		nsp	00MGD05683160	RES.	68K OHM +- 5% 1/6W
P901	R907		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P901	R908		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P901	R909		nsp	00MGD05332160	RES.	3.3K OHM +- 5% 1/6W
P901	R910		nsp	00MGD05224160	RES.	220K OHM +- 5% 1/6W
P901	R911		nsp	00MGD05683160	RES.	68K OHM +- 5% 1/6W
P901	R912		nsp	00MGD05333160	RES.	33K OHM +- 5% 1/6W
P901	R913		nsp	00MGD05103160	RES.	10K OHM +- 5% 1/6W
P901	R914		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P901	R916		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P901	R919		nsp	00MGD05103160	RES.	10K OHM +- 5% 1/6W
P901	R921		nsp	00MGD05103160	RES.	10K OHM +- 5% 1/6W
P901	R922		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P901	R923		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
					HEAD PHONE (00MWA10AJ103-)	
P951	J951		00MYJ01003880	00MYJ01003880	JACK	H.P. JACK HLJ0540-01-430 GREY
					LINK (00MWG10AJ306-)	
PB01	CB01		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PB01	CB02		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
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	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PB01	CB16		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PB01	CB51		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PB01	CB52		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PB01	DB01		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT TYPE
PB01	JB11		00MYJ01004670	00MYJ01004670	JACK	LGY6501-0600 3.5 MINI JACK
PB01	JB12		00MYJ01004670	00MYJ01004670	JACK	LGY6501-0600 3.5 MINI JACK
PB01	JB51		00MYT02020890	00MYT02020890	TERMINAL	2P CINCH PIN JACK
PB01	LB01		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
PB01	LB02		00MFC90020210	00MFC90020210	FERRITE CORE	MLB-1608-1000A-N2
PB01	LB03		00MFC90020210	00MFC90020210	FERRITE CORE	MLB-1608-1000A-N2
PB01	QB01		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PB01	QB02		00MBA10013050	00MBA10013050	TRS.	RN2303(PNPX1(22K+22K))
PB01	QB05		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PB01	▲ QB21		00MHW10006320	00MHW10006320	PHOTO UNIT	IPC-817 PHOTO COUPLER 1PAIR
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

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

PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJ)	PART NAME	DESCRIPTION
PB01	RB08		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PB01	RB12		nsp	00MNN05561610	CHIP RES.	560 OHM +- 5% 1/16W
PB01	RB51		nsp	00MNN05470610	CHIP RES.	47 OHM +- 5% 1/16W
PB01	SB01		00MSS02021150	00MSS02021150	SLIDE SW	SLIDE SWITCH INT/EXT
					U COM (00MWG10AJ301-)	
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	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU04		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU05		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD01	CU06		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD01	CU07		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD01	CU08		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD01	CU09		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD01	CU11		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU12		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD01	CU13		nsp	00MDK96102300	CER. CAP.	1000 PF +- 10 % B 50V GR36
PD01	CU14		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD01	CU15		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU16		nsp	00MDK96102300	CER. CAP.	1000 PF +- 10 % B 50V GR36
PD01	CU17		nsp	00MDK96102300	CER. CAP.	1000 PF +- 10 % B 50V GR36
PD01	CU18		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU19		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU21		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD01	CU22		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD01	CU28		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU29		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	CU40		nsp	00MDK96332300	CER. CAP.	3300PF (GR39)
PD01	CU44		nsp	00MDK96332300	CER. CAP.	3300PF (GR39)
PD01	CU61		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU65		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU66		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU67		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU71		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU75		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU76		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU77		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	DD02		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302 (TOSHIBA)
PD01	DU03		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT TYPE
PD01	DU61		00MHI10046080	00MHI10046080	L.E.D.	BLUE LED SELU2E10C-P-E/F φ 3
PD01	DU62		00MHI10047080	00MHI10047080	L.E.D.	SEL6E10C BLUE LED
PD01	DU63		00MHI10047080	00MHI10047080	L.E.D.	SEL6E10C BLUE LED
PD01	DU71		00MHI10046080	00MHI10046080	L.E.D.	BLUE LED SELU2E10C-P-E/F φ 3
PD01	DU72		00MHI10047080	00MHI10047080	L.E.D.	SEL6E10C BLUE LED
PD01	DU73		00MHI10047080	00MHI10047080	L.E.D.	SEL6E10C BLUE LED
PD01	LU01		00MFC90020210	00MFC90020210	FERRITE CORE	MLB-1608-1000A-N2
PD01	LU02		00MFC90020210	00MFC90020210	FERRITE CORE	MLB-1608-1000A-N2
PD01	LU03		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	LU07		00MFC90020210	00MFC90020210	FERRITE CORE	MLB-1608-1000A-N2
PD01	LU08		00MFC90020210	00MFC90020210	FERRITE CORE	MLB-1608-1000A-N2
PD01	LU09		00MFC90020210	00MFC90020210	FERRITE CORE	MLB-1608-1000A-N2
PD01	LU10		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		00MFC90090010	00MFC90090010	FERRITE CORE	ZBF503D-00TA (NATIONAL)
PD01	LU15		00MFC90020210	00MFC90020210	FERRITE CORE	MLB-1608-1000A-N2
PD01	LU16		00MFC90020210	00MFC90020210	FERRITE CORE	MLB-1608-1000A-N2
PD01	LU17		00MFC90020210	00MFC90020210	FERRITE CORE	MLB-1608-1000A-N2
PD01	QD01		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
PD01	QD30		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE

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

PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
PD01	QD31		00MBA10013050	00MBA10013050	TRS.	RN2303(PNPX1(22K+22K))
PD01	QU01		90M-HS10AJH0R	90M-HS10AJH0R	IC	HD64F3687H FLASH
PD01	QU02		00MHC10433990	00MHC10433990	IC	AT24C08AN-10SI-2.7
PD01	QU03		00MHC809449R0	00MHC809449R0	IC	74HC4094BT
PD01	QU04		00MHC10229210	00MHC10229210	IC	BD4727G 2.7V RESET IC
PD01	QU07		00MHX100012A0	00MHX100012A0	CHIP TRS.	2SA1586 (Y,GR) TE85L / 2SA1576A (Q,R)
PD01	QU08		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PD01	QU09		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PD01	QU10		00MBA10013050	00MBA10013050	TRS.	RN2303(PNPX1(22K+22K))
PD01	QU12		00MBA10013050	00MBA10013050	TRS.	RN2303(PNPX1(22K+22K))
PD01	QU13		00MBA10013050	00MBA10013050	TRS.	RN2303(PNPX1(22K+22K))
PD01	QU14		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD01	QU15		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD01	QU16		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD01	QU17		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD01	QU18		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD01	QU19		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD01	QU20		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD01	QU21		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD01	QU22		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD01	QU61		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD01	QU62		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD01	QU63		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD01	QU71		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD01	QU72		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD01	QU73		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD01	RD02		nsp	00MNN05330610	CHIP RES.	33 OHM +- 5% 1/16W
PD01	RD04		nsp	00MNN05223610	CHIP RES.	22K 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	RU06		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU12		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PD01	RU13		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU14		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU15		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PD01	RU16		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PD01	RU17		nsp	00MNN05223610	CHIP RES.	22K OHM +- 5% 1/16W
PD01	RU18		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PD01	RU19		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PD01	RU20		nsp	00MNN05153610	CHIP RES.	15K 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	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU24		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU25		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU26		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU27		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU28		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU29		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PD01	RU30		nsp	00MNN05183610	CHIP RES.	18K OHM +- 5% 1/16W
PD01	RU31		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU32		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU33		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PD01	RU35		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PD01	RU36		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU37		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU38		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU41		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU61		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PD01	RU62		nsp	00MNN05122610	CHIP RES.	1.2K OHM +- 5% 1/16W
PD01	RU63		nsp	00MNN05122610	CHIP RES.	1.2K OHM +- 5% 1/16W
PD01	RU64		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PD01	RU65		nsp	00MNN05222610	CHIP RES.	2.2K OHM +- 5% 1/16W
PD01	RU66		nsp	00MNN05222610	CHIP RES.	2.2K OHM +- 5% 1/16W

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

PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJJ)	PART NAME	DESCRIPTION
PD01	RU67		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PD01	RU68		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PD01	RU69		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PD01	RU70		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PD01	RU71		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PD01	RU72		nsp	00MNN05821610	CHIP RES.	820 OHM +- 5% 1/16W
PD01	RU81		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PD01	RU82		nsp	00MNN05122610	CHIP RES.	1.2K OHM +- 5% 1/16W
PD01	RU83		nsp	00MNN05122610	CHIP RES.	1.2K OHM +- 5% 1/16W
PD01	RU84		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PD01	RU85		nsp	00MNN05222610	CHIP RES.	2.2K OHM +- 5% 1/16W
PD01	RU86		nsp	00MNN05222610	CHIP RES.	2.2K OHM +- 5% 1/16W
PD01	RU87		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PD01	RU88		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PD01	RU89		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PD01	RU90		nsp	00MNN05821610	CHIP RES.	820 OHM +- 5% 1/16W
PD01	SU61		00MSP01013370	00MSP01013370	PUSH SW	EVQ11L05R H/5MM,160GF
PD01	SU62		00MSP01013370	00MSP01013370	PUSH SW	EVQ11L05R H/5MM,160GF
PD01	SU63		00MSP01013370	00MSP01013370	PUSH SW	EVQ11L05R H/5MM,160GF
PD01	SU71		00MSP01013370	00MSP01013370	PUSH SW	EVQ11L05R H/5MM,160GF
PD01	SU72		00MSP01013370	00MSP01013370	PUSH SW	EVQ11L05R H/5MM,160GF
PD01	SU73		00MSP01013370	00MSP01013370	PUSH SW	EVQ11L05R H/5MM,160GF
PD01	XU01		00MFQ08004060	00MFQ08004060	CER. VIB.	CSTS MG 8MHZ TAPING(15PF)
					IR SENSOR (00MWG10AJ302-)	
PD31	CD02		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD31	CD03		nsp	00MDK98105200	CER. CAP.	1UF 10V F
PD31	CD04		nsp	00MDK98105200	CER. CAP.	1UF 10V F
PD31	CD05		nsp	00MDK98105200	CER. CAP.	1UF 10V F
PD31	CD06		nsp	00MDK98105200	CER. CAP.	1UF 10V F
PD31	CD07		nsp	00MDK98105200	CER. CAP.	1UF 10V F
PD31	CD10		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD31	CD12		nsp	00MDK96102300	CER. CAP.	1000 PF +- 10 % B 50V GR36
PD31	CD13		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD31	CU23		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD31	DD01		00MHZ30751000	00MHZ30751000	CHIP DIODE	7.5V ZENER MA8075-M,UDPS7.5B
PD31	DU01		00MHI10005340	00MHI10005340	L.E.D.	HLMF-K200 #2UL RED H=9 3MM
PD31	DU02		00MHI10046080	00MHI10046080	L.E.D.	BLUE LED SELU2E10C-P-E/F φ 3
PD31	QU05		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD31	QU06		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD31	QU11		00MHW10004210	00MHW10004210	PHOTO UNIT	RPM6936-V4 (IR SENSOR)
PD31	RD01		nsp	00MNN05222610	CHIP RES.	2.2K OHM +- 5% 1/16W
PD31	RD05		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD31	RD06		nsp	00MNN05823610	CHIP RES.	82K OHM +- 5% 1/16W
PD31	RD07		nsp	00MNN05823610	CHIP RES.	82K OHM +- 5% 1/16W
PD31	RU08		nsp	00MNN05331610	CHIP RES.	330 OHM +- 5% 1/16W
PD31	RU09		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PD31	RU10		nsp	00MNN05222610	CHIP RES.	2.2K OHM +- 5% 1/16W
PD31	RU11		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PD31	RU34		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
					BACKLIGHT (00MWG10AJ305-)	
PD41	CD11		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD41	DD11		00MHI10005980	00MHI10005980	L.E.D.	NSPW515BS-S-CO
PD41	RD11		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
					SELECTOR ENCODER (00MWG10AJ304-)	
PD61	CU81		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD61	CU82		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD61	SU82		00MSR01120070	00MSR01120070	ROTARY SW	SRRSIC
					VOL, ENCODER (00MWG10AJ303-)	
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		00MSR02010120	00MSR02010120	ROTARY SW	EC12E2430804

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