

Service Manual

PMD671 / F B/N1B/U1B

Solid State Recorder

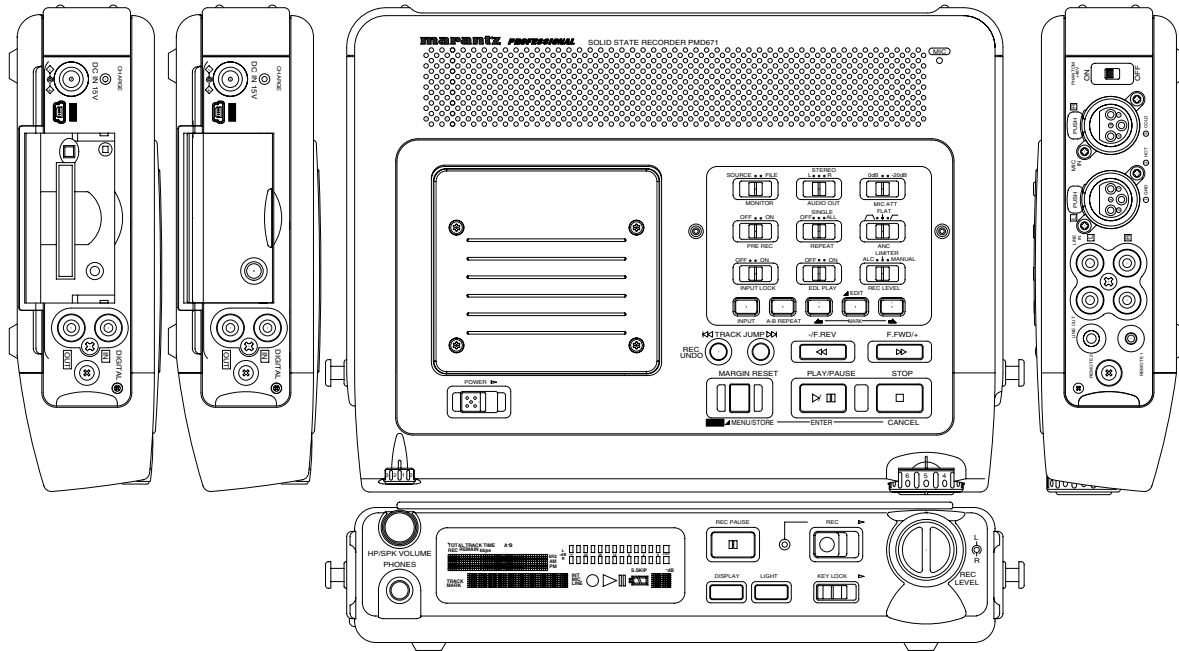


TABLE OF CONTENTS

SECTION	PAGE
1. TECHNICAL SPECIFICATIONS	1
2. FACTORY/SERVICE MODE	2
3. LCD CONTRAST ADJUSTMENT	3
4. HOW TO DISASSEMBLE.....	3
5. DSP(QD01) FIRMWARE UPDATE PROCEDURE.....	7
6. MAIN MICROPROCESSOR (QU01) UPDATE PROCEDURE.....	9
7. WIRING DIAGRAM	11
8. BLOCK DIAGRAM	13
9. SCHEMATIC DIAGRAM.....	15
10. PARTS LOCATION.....	39
11. MICROPROCESSOR AND IC DATA.....	47
12. EXPLODED VIEW AND PARTS LIST	61
13. ELECTRICAL PARTS LIST	63

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®

PMD671

The exchange of the lithium battery(ZU01 : CR2023).

CAUTION

Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type.

リチウム電池 (ZU01 : CR2032) の交換について

注意

電池を誤って交換すると爆発する危険があります。
同一又は同等の型のものにのみ交換してください。

SHOCK, FIRE HAZARD SERVICE TEST :

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

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

Ref. UL Standard No. 1492.

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

1. TECHNICAL SPECIFICATIONS

Digital audio system

System.....Solid State Recorder
 Usable Media..... CF memory cards
 (Microdrive) cards

Recording and media methods

.mp2..... MPEG1 Layer II compression
 .mp3..... MPEG1 Layer III compression
 .mp3.....MPEG2 Layer III compression*
 *for all half sample rates.
 PCM..... 16/24 bit linear PCM

Recording bit rate (selectable)

MP2 mono 192, 128, 96, 64, 48, 32 kbps
 MP2 stereo 384, 256,192,128, 96, 64 kbps
 MP3 mono 160, 128, 80, 64, 40, 32, 24, 16 kbps
 MP3 stereo 320, 256, 160, 128, 80, 64, 40, 32 kbps

Sampling frequency

Analog96, 88.2, 48, 44.1 kHz(24bit PCM)
 48, 44.1, 32, 24, 22.05, 16, 12, 11.025, 8 kHz(16bit PCM)
 48, 44.1, 32 kHz(MP2)
 48, 44.1, 32, 24, 22.05, 16 kHz(MP3)
 Digital.....96, 88.2, 48, 44.1 kHz

Number of channels 2 (stereo), 1 (mono)

Frequency response.....44 kHz (-0.5dB)

Signal-to-Noise Ratio

IEC-A weighted.....LINE 92 dB
 MIC 65 dB

Total Harmonic Distortion

at 0 VU(PCM)LINE 0.01%
 MIC 0.03%

Dynamic Range.....94 dB

Inputs

MIC IN L/R

Type.....XLR (1:GND, 2:HOT, 3:COLD)
 Input Sensitivity(MIC) 1.2 mVrms/ 3 kohms

LINE IN L/R

Type..... RCA jack
 Input Sensitivity(LINE) 300 mVrms/ 22 kohms

DIGITAL IN

Type..... RCA jack
 Input impedance 75 ohms
 Standard input level..... 0.5 Vp-p
 Sampling frequency.....96, 88.2, 48, 44.1 kHz
 Format SPDIF (IEC 958 TypeII)

Outputs

LINE OUT L/R

Type..... RCA jack
 Standard level..... 2 Vrms max./2 kohms

DIGITAL OUT

Type..... RCA jack
 Output impedance 75 ohms

Standard output level..... 0.5 Vp-p
 Sampling frequency..... 96, 88.2, 48, 44.1 kHz
 Format SPDIF (IEC-958 Type II)

General

Headphone Output power20 mW/ 32 ohms
 Speaker Output power.....70 mW/ 4 ohms
 Phantom power +48V/ 7 mA

Power consumption

Recording/Playback.....6 W
 Charging 12 W max
 Standby (battery driven)2.9 mW

Battery life (Alkaline)..... 6 hours (typical)

Dimensions

Width 264 mm (10.4")
 Height 55 mm (2.0")
 Depth 185 mm (7.3")
 Weight 1.3 kg (2 lbs. 14 oz.)

Included accessories

AC adapter 1
 Battery carrier 1
 Carry strap 1
 Carry strap retainers 2
 Screws (ISO 3x10 mm) 3
 Plastic pin and retainer 1
 USB cable 1
 User Guide 1

Optional accessories**

Ni-Cd battery pack..... RB1100
 Ni-MH battery pack RB1651
 Battery charger BC600
 Carrying cover (vinyl)..... CLC670
 Carrying bag PRC300
 Professional reporter's bag..... PRC600
 Attache carrying case CA200

**See www.d-mpro.com for details.

*Specifications subject to change without notice.

2. FACTORY/SERVICE MODE

A. FACTORY MODE

To reset all settings to default status ,follow the procedure below.

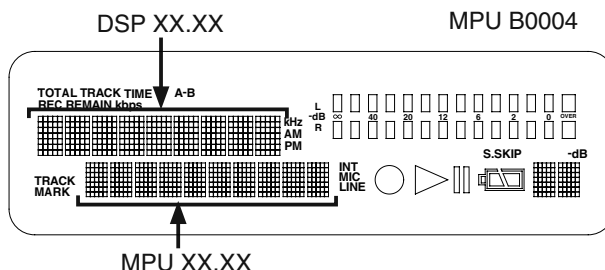
- 1) When Power Standby mode, While pressing **MARK** or **MARK** and **INPUT** buttons, Slide **POWER** switch to turn on the unit. (/N uses **MARK** button. /F/U uses **MARK** button.)
- 2) FACTORY name is displayed on LCD. The unit becomes the setup of default automatically.

B. SERVICE MODE

1. Micro-Processor Version check

- 1) Insert the *CompactFlash*, When Power Standby mode, While pressing **A-B REPEAT** and **EDIT** buttons, Slide **POWER** switch to turn on the unit.
- 2) VIRSION name is displayed on LCD with blink, then press **PLAY/PAUSE** button, VIRSION is displayed on LCD.

Example : DSP 02.06
MPU B0004

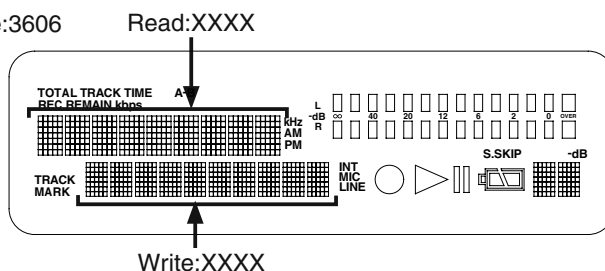


- 3) Turn off power to quit Service mode.

2. CompactFlash read/write speed check

- 1) Insert the *CompactFlash*, While pressing **A-B REPEAT** and **EDIT** buttons, Slide **POWER** switch to turn on the unit.
- 2) VIRSION name is displayed on LCD with blink, then press **-F.REV** or **F.FWD/+** button.
- 3) CARD CHECK name is displayed on LCD with blink, then press **PLAY/PAUSE** button. The check of Read/write speed is started. After the check finishes, the number of data transfer rate (kbps) is displayed.

Start (progress) End
Example : XXX% → Read:3606
EXECUTING → Write:3606



If "about 3000 or less" number is displayed, the *CompactFlash* is not correct (Because read/write speed is slow, the unit has the possibility that sound is interrupted and stop during recording).
Insert the correct *CompactFlash*.

- 4) Turn off power to quit Service mode.

2. FACTORY/SERVICE モード

A. FACTORY モード

1. スタンバイ状態から、**INPUT** ボタンと **MARK** ボタンまたは **MARK** ボタンを押しながら **POWER** スイッチをスライドします。注：[N] 向けは **MARK** ボタン、[F/U] 向けは **MARK** ボタンを押します。
2. FACTORY と表示がでます。自動的に出荷時の設定になります。

B. SERVICE モード

1. VERSION 確認

- 1) *CompactFlash* が挿入されている状態で、**A-B REPEAT** ボタンと **EDIT** ボタンを押しながら **POWER** スイッチをスライドします。
- 2) DISPLAY に VERSION と点滅表示されたら **PLAY/PAUSE** ボタンを押してバージョン確認をします。

表示例 DSP 02.06
MPU B0004

- 3) SERVICE モード解除は、電源を切ります。

2. CompactFlash 書き換え速度確認

- 1) *CompactFlash* が挿入されている状態で、**A-B REPEAT** ボタンと **EDIT** ボタンを押しながら **POWER** スイッチをスライドします。
- 2) DISPLAY に VERSION と点滅表示されたら **-F.REV** ボタン ボタンまたは **F.FWD/+** ボタンを押します。
- 3) DISPLAY に CARD CHECK と点滅表示されたら **PLAY/PAUSE** ボタンを押して書き換え速度の確認を開始します。完了するとデータ転送速度 (kbps) が表示されます。

開始時 (進捗度) 完了時
表示例 XXX% → Read:3606
EXECUTING → Write:3606

表示されたデータ転送速度 (kbps) が約 3000kbps 以下の場合：書き換え速度が遅い為、録音途中で止まる、または音切れが発生する可能性があります。*CompactFlash* を別のものに交換してください。

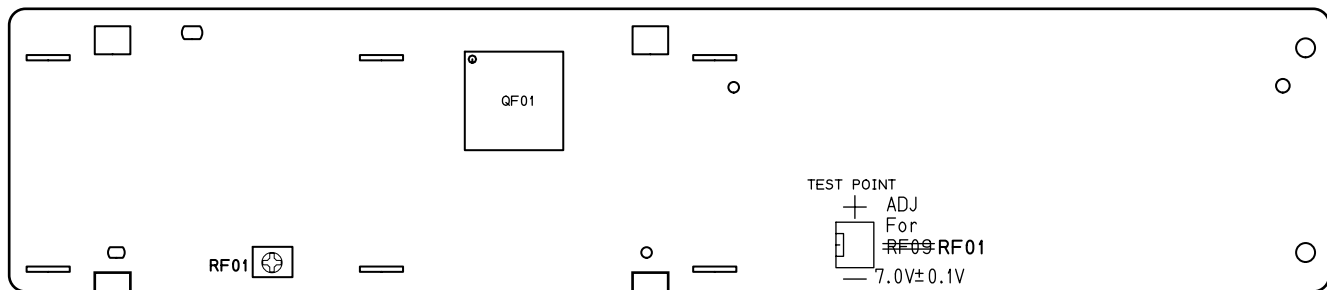
- 4) SERVICE モード解除は、電源を切ります。

3. LCD CONTRAST ADJUSTMENT

1. Connect the TEST POINT (See below) with the tester.
2. Turn the variable resistor RF01(RF09) so that the reading of the tester becomes $7.0\text{ V} \pm 0.1\text{ V}$ and confirm the contrast of the LCD becomes maximum.

3. LCD 輝度電圧調整

1. TEST POINT にテスターを接続し、輝度電圧を測りながらボリューム RF01(RF09)の抵抗値を調整します。
2. LCD を正面から見て、コントラストが最大になることを確認しながら輝度電圧を $7.0\text{ V} \pm 0.1\text{ V}$ に調整します。

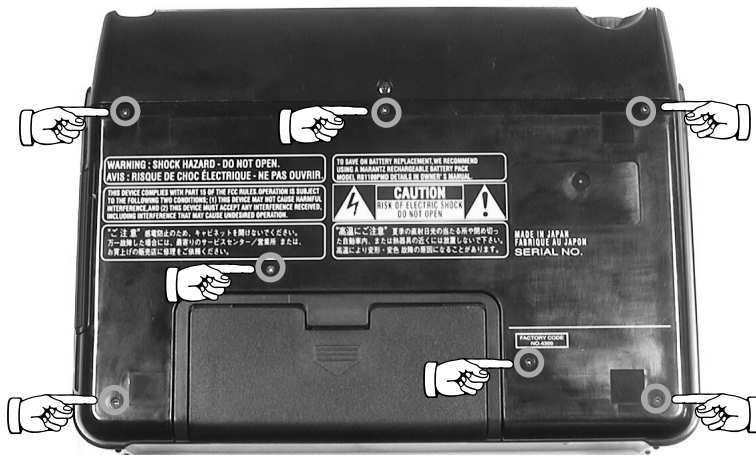


4. HOW TO DISASSEMBLE

- 1) Remove 7 screws as shown in Fig.1.

4. 分解方法

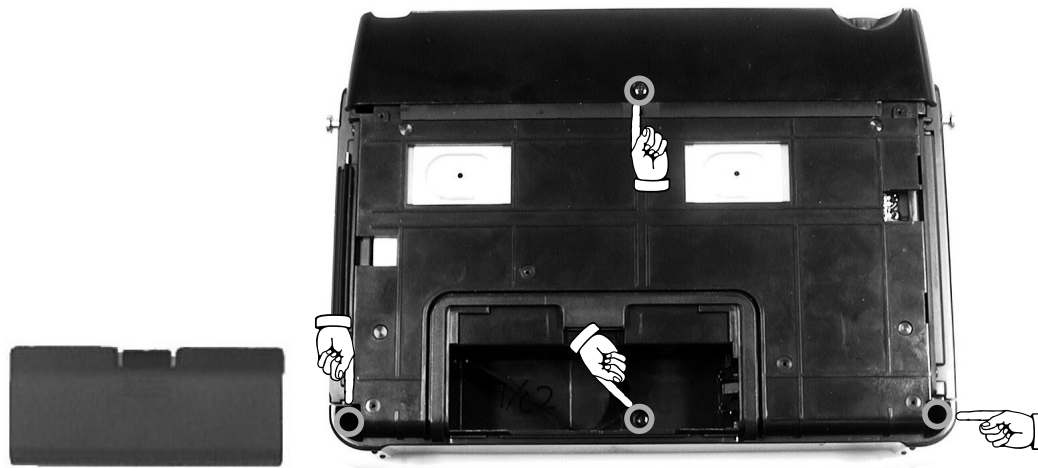
- 1) 下図 1 に示すセット底面のネジ 7 本を外します。
底蓋を外します。



<Fig.1 Position of 7 screws>

- 2) Remove the battery cover.
- 3) Remove 4 screws as shown in Fig.2.

- 2) バッテリーカバーを外します。
- 3) 下図 2 に示すネジ 4 本を外します。



<Fig.2 Position of 4 screws>

4) Remove 2 screws from both sides as shown in Fig.3 and Fig.4.

4) 下図 3 ~ 4 に示す両サイドのネジ計 2 本を外します。



<Fig.3 Position of screw>



<Fig.4 Position of screw>

5) Remove the front panel, holding it and pushing down with thumb as shown in Fig.5 and Fig.6.

5) フロントパネルを下図 5 ~ 6 の位置を指で押さえながら外します。爪を外すように押さえながら前方向に引きフロントパネルを外します。

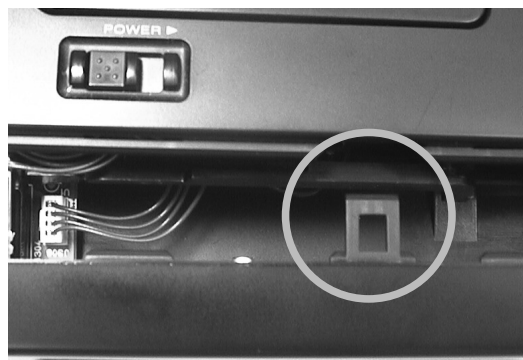
Cautions :

When removing the front panel, take care not to damage the cable and connectors.

注意 : 勢いよく引くとフロントパネルに繋がる FPC が引っ張られてコネクタが破損する恐れがあります。



<Fig.5 Holding position>



<Fig.6 Removing the front panel>

6) Remove 2 screws as shown in Fig.7.

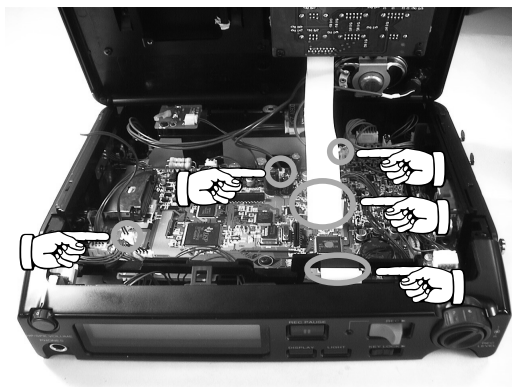
6) 下図 7 に示すネジ 2 本を外します。



<Fig.7 Position of 2 screws>

7) Remove 5 connectors as shown in Fig.8. And remove the top case.

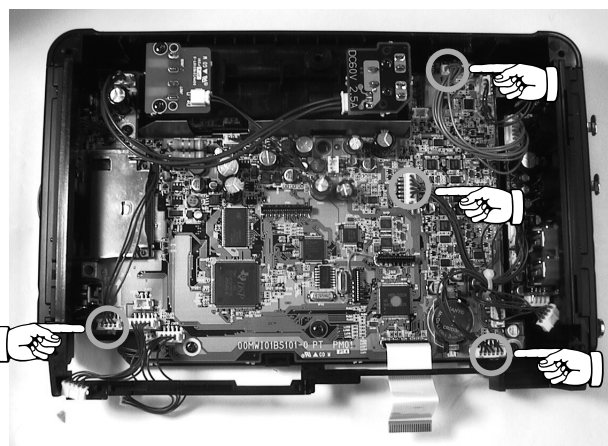
7) トップケースを持ち上げます。下図8に示す5ヶ所のコネクタを外し、トップケースを外します。



<Fig.8 Position of connectors>

8) Remove 4 connectors as shown in Fig.9.

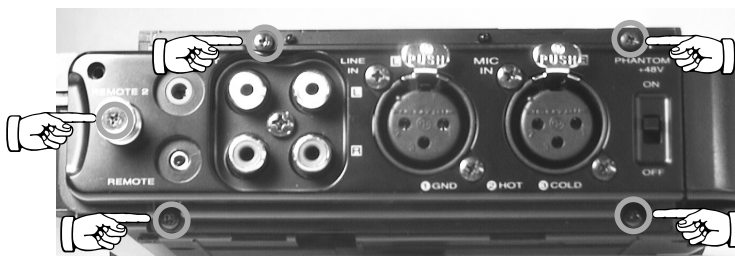
8) 下図9に示すコネクタ4ヶ所を外します。



<Fig.9 Position of 4 connectors>

9) Remove 5 screws.
Then remove side panel of Audio I/O side.

9) ネジ5本を外し、Audio 入出力側のサイドパネルを外します。



<Fig.10 Position of 5 screws>

10) Remove 6 screws.
Then remove side panel of *CompactFlash* side.

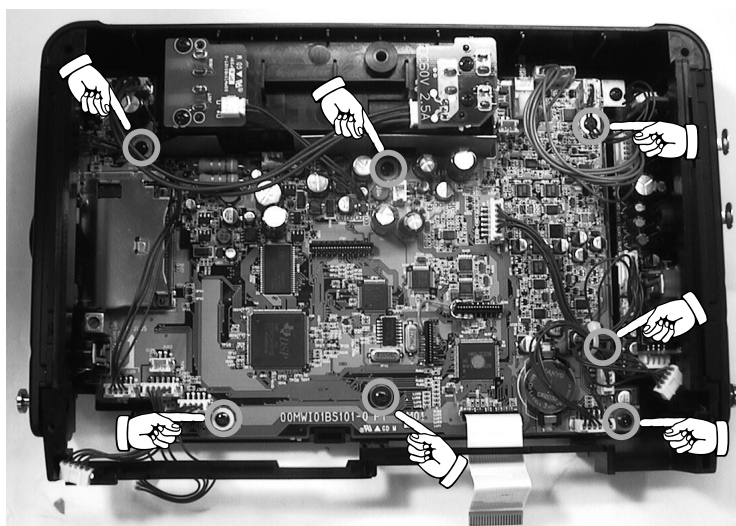
10) ネジ 6 本を外し、コンパクトフラッシュ側のサイドパネルを外します。



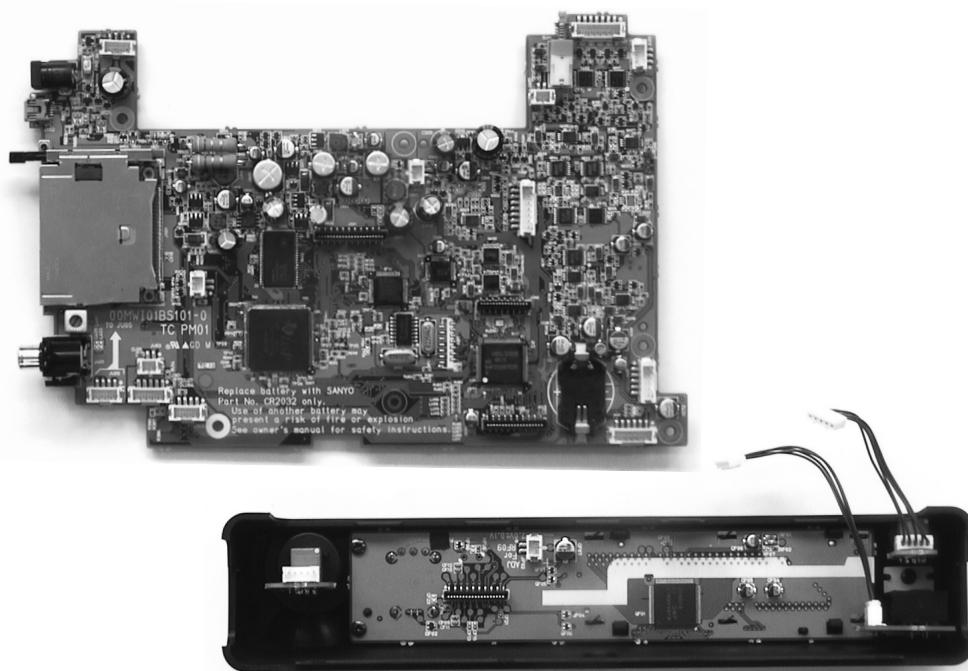
<Fig.11 Position of 6 screws>

11) Remove 7 screws.
Then remove the PCB.

11) ネジ 7 本を外し、基板を外します。



<Fig.12 Position of 7 screws>



5. DSP(QD01) FIRMWARE UPDATE PROCEDURE

Necessary Equipment

- Windows PC (Windows2000 or WindowsXP)
- USB cable (USB 4Pin - mini USB 5pin)
- CompactFlash (with format)
- Update Disc (90M-PMD671CDR)

Connection

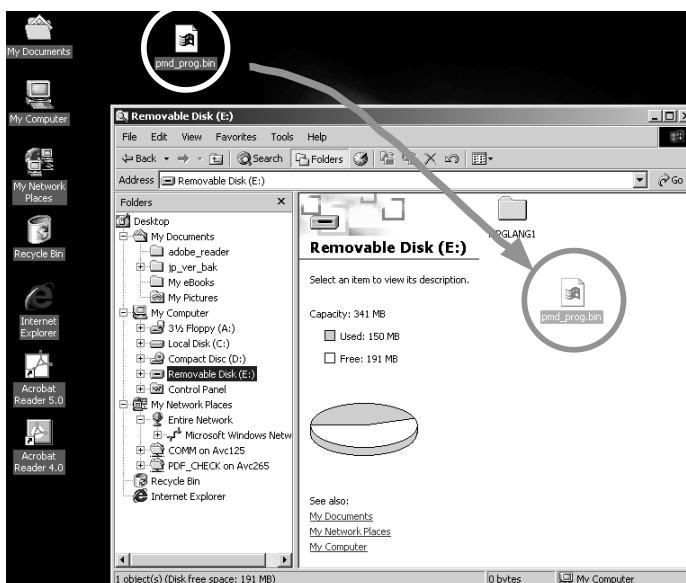
1. Connect Windows PC and PMD671 with USB cable
2. Insert the CompactFlash



Writing procedure

NOTICE : Don't turn off the power during the update. When turn off the power, you must change Flash Rom (QD01).

1. While pressing **MARGIN RESET** button, Slide **POWER** switch to turn on the unit.
2. "USB ONLINE" is displayed on LCD.
3. It confirms that it was recognized as Removable Disk (CompactFlash) by a PC.
4. "pmd_prog.bin" of the update disk is copied to the route of Removable Disk (CompactFlash).



5. Disconnect USB cable from the unit, then turn off **POWER** switch.
6. Keep inserting the CompactFlash, turn on **POWER** switch.
7. DSP Firmware updating will be done automatically.
8. Light up all the LCD dot.
9. Uploading takes about one minute.

5. DSP (QD01) firmware のアップデート方法

必要機器

- Windows PC (Windows2000 または WindowsXP)
- USB ケーブル (USB 4Pin - USB ミニ 5pin)
- コンパクトフラッシュ CompactFlash (フォーマット済み)
- アップデートディスク (90M-PMD671CDR)

接続方法

1. Windows PC と PMD671 とを USB ケーブルで接続します。
2. コンパクトフラッシュを PMD671 に差し込みます。

アップデート方法

注) アップデート中は電源を切らないでください。電源を切ると Flash ROM(QD01) を交換する必要があります。

1. PMD671 の **MARGIN RESET** ボタンを押しながら **POWER** スイッチをスライドし電源を入れます。
2. PMD671 のディスプレイに USB ONLINE と表示されます。
3. Windows PC にリムーバブルディスク (CompactFlash) として認識されたのを確認します。
4. アップデートディスクの pmd_prog.bin をリムーバブルディスク (CompactFlash) のルートにコピーします。

5. USB ケーブルを PMD671 から外して電源を切ります。
6. コンパクトフラッシュを差し込んだまま PMD671 の電源を入れます。
7. 自動的に DSP の firmware を書き換えます。
8. このときディスプレイは全点灯します。
9. 書換時間は約 1 分ほどです。

10. When the updating is finished, information of *CompactFlash* is displayed on LCD.
11. Turn off POWER switch.
The firmware has been updated. Do the next procedure.
12. Connect Windows PC and PMD671 with USB cable
13. Repeat the same procedure No1., No2. and No3.
14. "pmd_prog.bin" which wrote it in the Removable Disk(*CompactFlash*) is delete.
NOTICE :
When "pmd_prog.bin" isn't delete from the *compactFlash*,
The set becomes the mode of update of firmware every time to turn on the unit.
15. Disconnect USB cable from the PMD671, then turn off **POWER** switch.
16. Check the version number of the firmware
Refer to 2-page "**SERVICE MODE**" for "**Micro-Processor Version check**" confirmation.
10. 書き換えが終わるとディスプレイにカード情報が表示されます。
11. PMD671 の電源を切ります。
以上で書き換え作業は終了です。つづけて、pmd_prog.bin の削除作業します。
12. USB ケーブルを接続します。
13. 再度、上記 1、2、3 の操作をします。
14. リムーバブルディスク (*CompactFlash*) 内に書き込んだ pmd_prog.bin を削除します。
注)この操作をしないとPMD671の電源入れた時、毎回 firmwareの書き換え動作に入ってしまいます。
15. PMD671 の電源を切り USB ケーブルを外します。
16. VERSION の確認をします。
2 ページ "**B. SERVICE モード**" の "**1. VERSION 確認**" で確認をします。
17. 書き込んだ firmware のバージョンが正しければ書き換え完了です。

6. MAIN MICROPROCESSOR (QU01) UPDATE PROCEDURE

Necessary Equipment

- Windows PC (Windows20 or WindowsXP)
- USB cable (USB 4Pin - mini USB 5pin)
- CompactFlash (with format)
- Update Disc (90M-PMD671CDR)

Connection

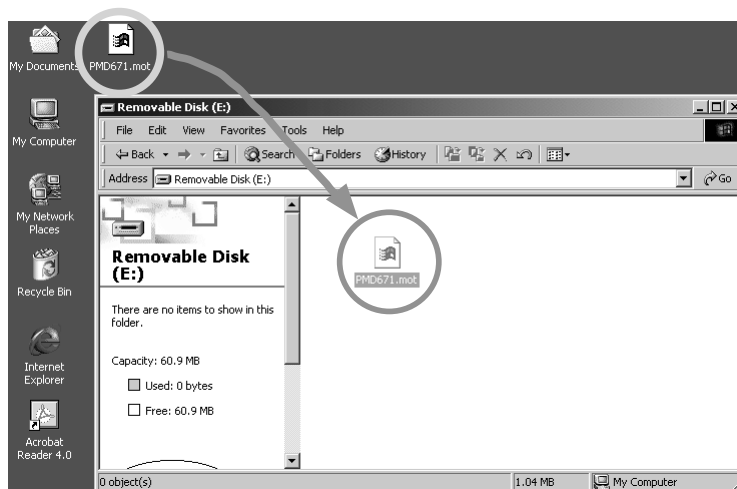
1. Connect Windows PC and PMD671 with USB cable.
2. Insert the CompactFlash.



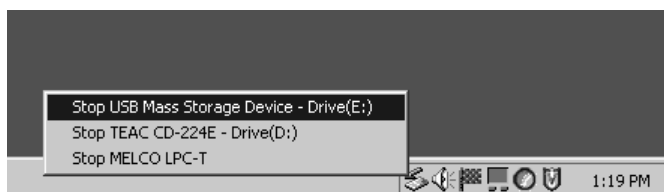
Writing procedure

When you have already written the update file in CompactFlash, please go to No8.

1. While pressing **MARGIN RESET** button, Slide **POWER** switch to turn on the unit.
2. "USB ONLINE" is displayed on LCD.
3. It confirms that it was recognized as Removable Disk (CompactFlash) by a PC.
4. "PMD671.mot" of the update disk is copied to the route of Removable Disk (CompactFlash).



5. Click the "Unplug or Eject Hardware" on the task bar at Windows PC, and Click the "Stop USB Mass Storage Device".



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

必要機器

- Windows PC (Windows2000 または WindowsXP)
- USB ケーブル (USB 4Pin - USB ミニ 5pin)
- コンパクトフラッシュ CompactFlash (フォーマット済み)
- アップデートディスク (90M-PMD671CDR)

接続方法

1. Windows PC と PMD671 とを USB ケーブルで接続します。
2. コンパクトフラッシュを PMD671 に差し込みます。

アップデート方法

既に CompactFlash にアップデートファイルを書き込んである場合は手順 8 に進んでください。

1. PMD671 の **MARGIN RESET** ボタンを押しながら **POWER** スイッチをスライドし電源を入れます。
2. PMD671 のディスプレイに USB ONLINE と表示されます。
3. Windows PC にリムーバブルディスク (CompactFlash) として認識されたのを確認します。
4. アップデートディスクの PMD671.mot をリムーバブルディスク (CompactFlash) のルートにコピーします。

5. Windows PC のタスクバーから "ハードウェアの安全な取り外し (Unplug or Eject Hardware)" をクリックし "USB 大容量記憶装置デバイス (Stop USB Mass Storage Device)" をクリックします。

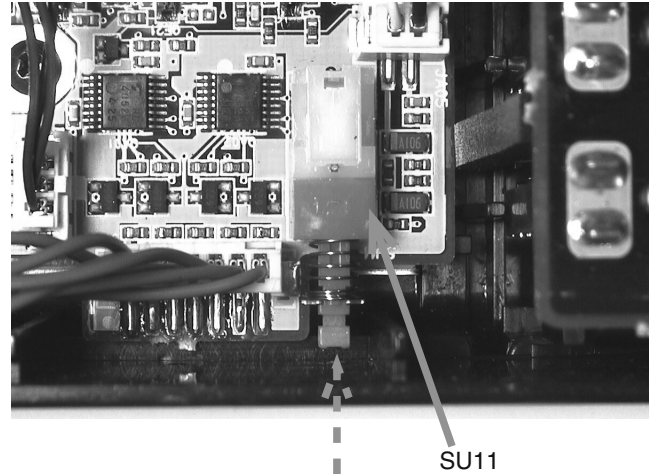
6. Slide **POWER** switch to turn off the unit.
7. Disconnect USB cable from the unit.
8. Disconnect AC adapter cable from the unit. Remove a battery, if unit is equipped with it.
9. Insert a thin rod to the hole at rear panel and push the switch (SU11) inside to turn on the update mode.



Hole of rear panel
リアパネルにある穴

10. Keep inserting (or insert) the *CompactFlash*, connect AC adapter cable to unit.
11. MPU Firmware updating will be done automatically.
12. LED of REC blinks.
13. Uploading takes about one minute.
14. When the updating was finished, LED of REC lights.
Update is failure when Light Emitting Diode puts out the light. Retry update procedure.
15. Disconnect the AC adapter cable from unit. And insert a thin rod to the hole at rear panel and push the switch (SU11) inside to turn off the update mode.
The firmware has been updated. Do the next procedure.
16. Connect Windows PC and PMD671 with USB cable.
17. Repeat the same procedure No1, No2, and No3.
18. "PMD671.mot" which wrote it in the Removable Disk (*CompactFlash*) is deleting.
19. Eject the Removable Disk (*CompactFlash*) from Windows PC (Refer to No5.).
20. Turn off **POWER** switch and then disconnect USB cable from the PMD671.
21. Check the version number of the firmware.
Refer to 2-page "**B. SERVICE MODE**" for "**1. Micro-Processor Version check**" confirmation.

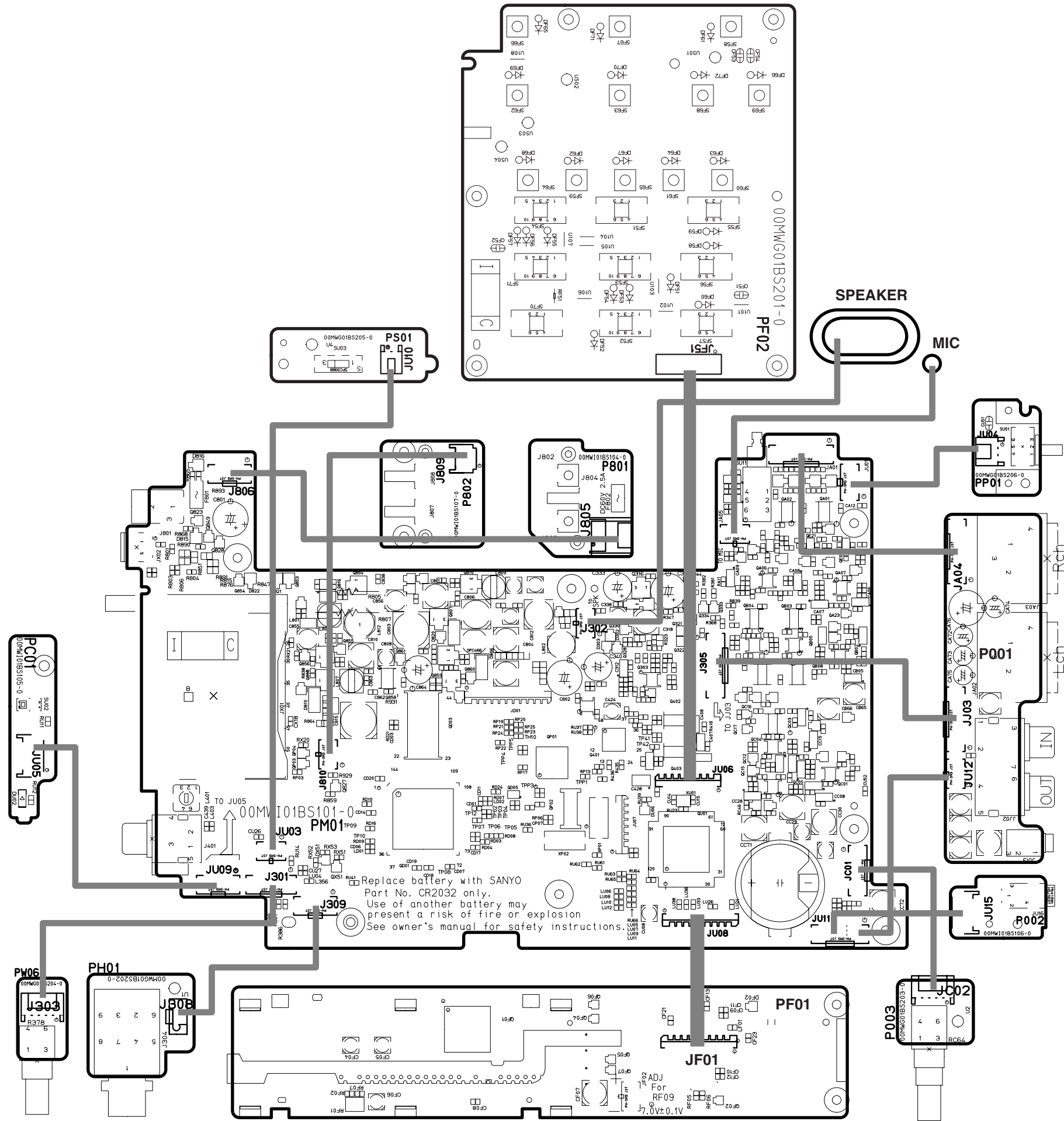
6. PMD671 の電源を切ります。
7. PMD671 から USB ケーブルを外します。
8. PMD671 から AC アダプタを外します。バッテリーが装着されている場合はバッテリーも外します。
9. 細い棒を使い PMD671 の背面にある穴からスイッチ (SU11) を押し書き込みモードにします。



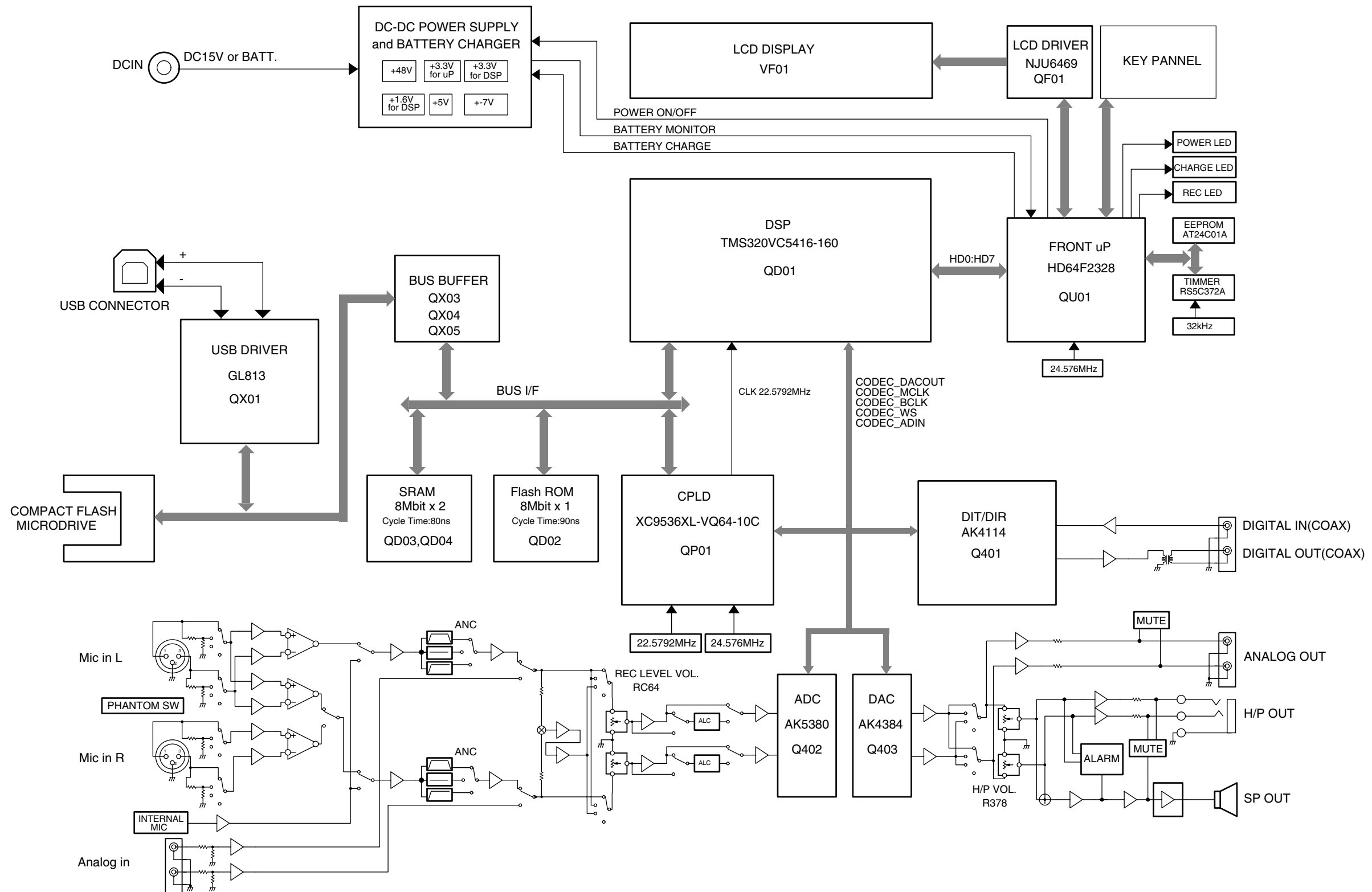
SU11

10. コンパクトフラッシュを差し込んだまま(または差し込んで) PMD671 に AC アダプタを接続します。
11. 自動的にメインマイコンの firmware を書き換えます。
12. このとき REC の LED が点滅します。
13. 書き換え時間は約 1 分です。
14. 書き換えが終わると REC の LED が点灯に変わります。
LED が消灯した場合はアップデートを失敗していますのでもう一度アップデートを行ってください。
15. PMD671 から AC アダプタを外し、PMD671 の背面にある穴からスイッチを押して書き込みモードを解除します。
以上で書き換え作業は終了です。続けて PMD671.mot の削除作業をします。
16. USB ケーブルを接続します。
17. 再度、上記 1, 2, 3 の操作をします。
18. リムーバブルディスク (*CompactFlash*) 内に書き込んだ PMD671.mot を削除します。
19. Windows PC から USB Device を外します (上記 5 の操作)。
20. PMD671 の電源を切り USB ケーブルを外します。
21. VERSION の確認をします。
2 ページ "**B. SERVICE モード**" の "**1. VERSION 確認**" で確認をします。
22. 書き込んだ firmware のバージョンが正しければ書き換え完了です。

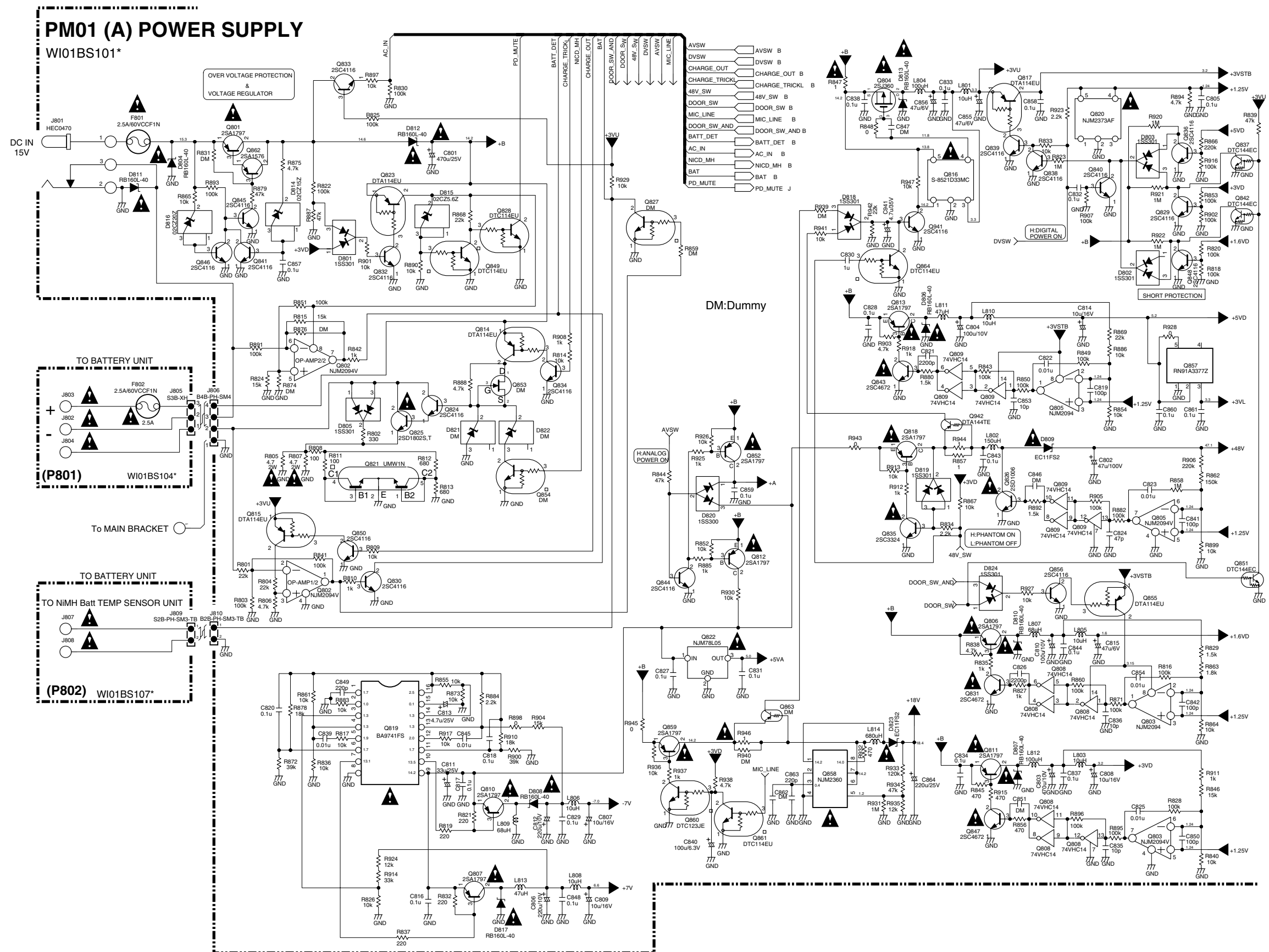
7. WIRING DIAGRAM



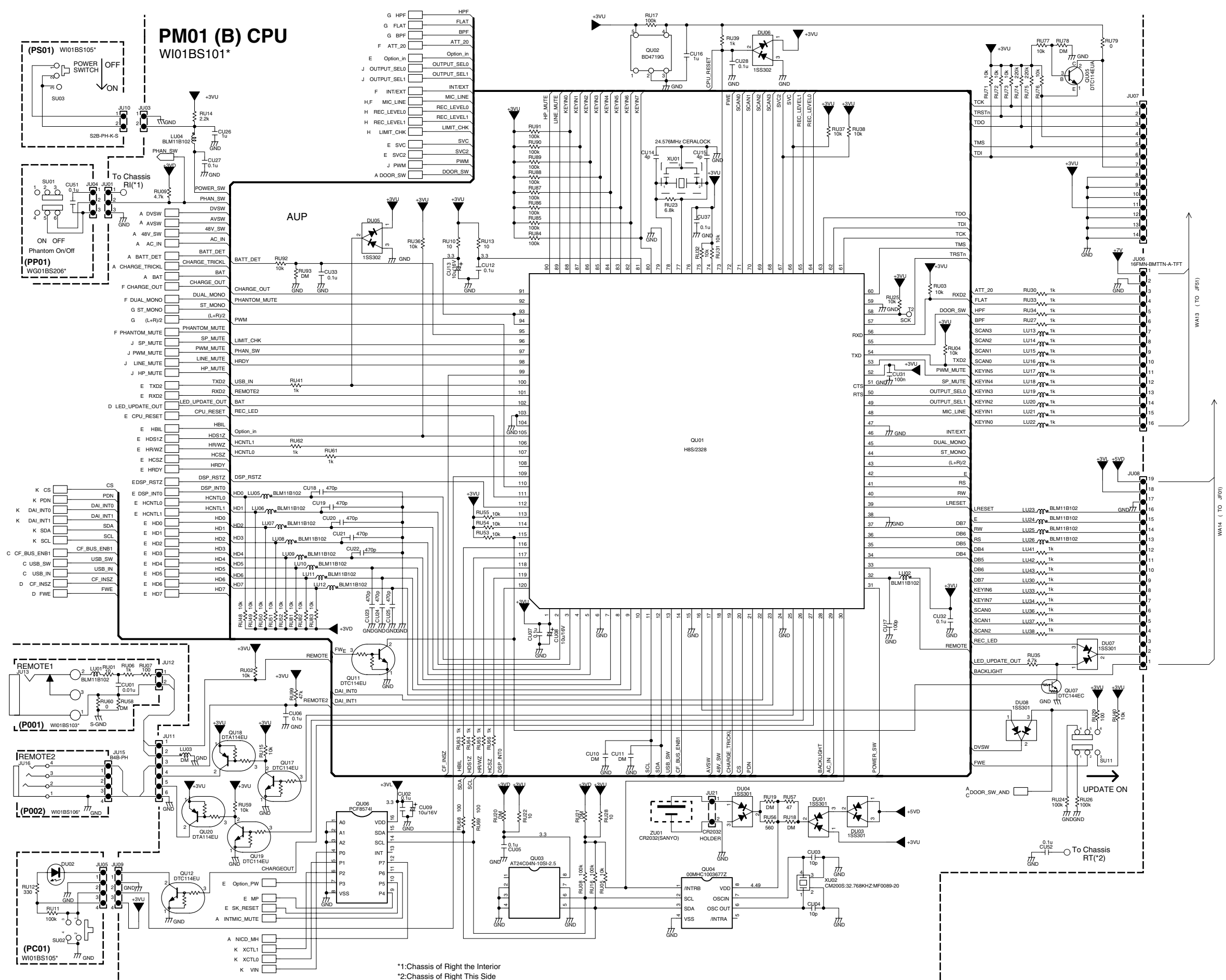
8. BLOCK DIAGRAM



9. SCHEMATIC DIAGRAM



*NOTE ON SAFETY: The parts marked with are IMPORTANT PARTS on the safety. Please use the parts having the designated parts number without fail.



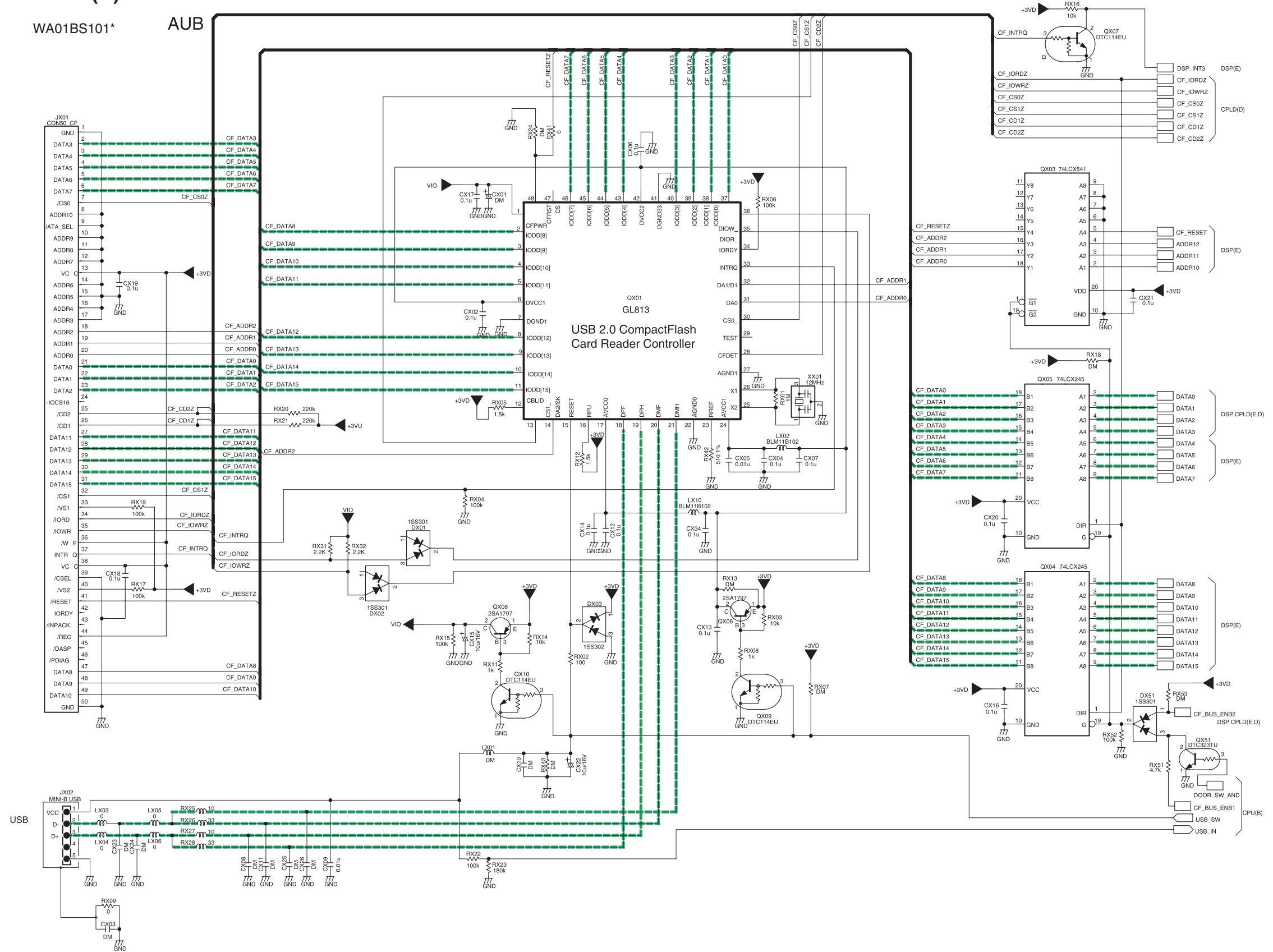
PM01 (B) CPU
WI01BS101*

*1:Chassis of Right the Interior
*2:Chassis of Right This Side

PM01 (C) USB & DATA BUFFER

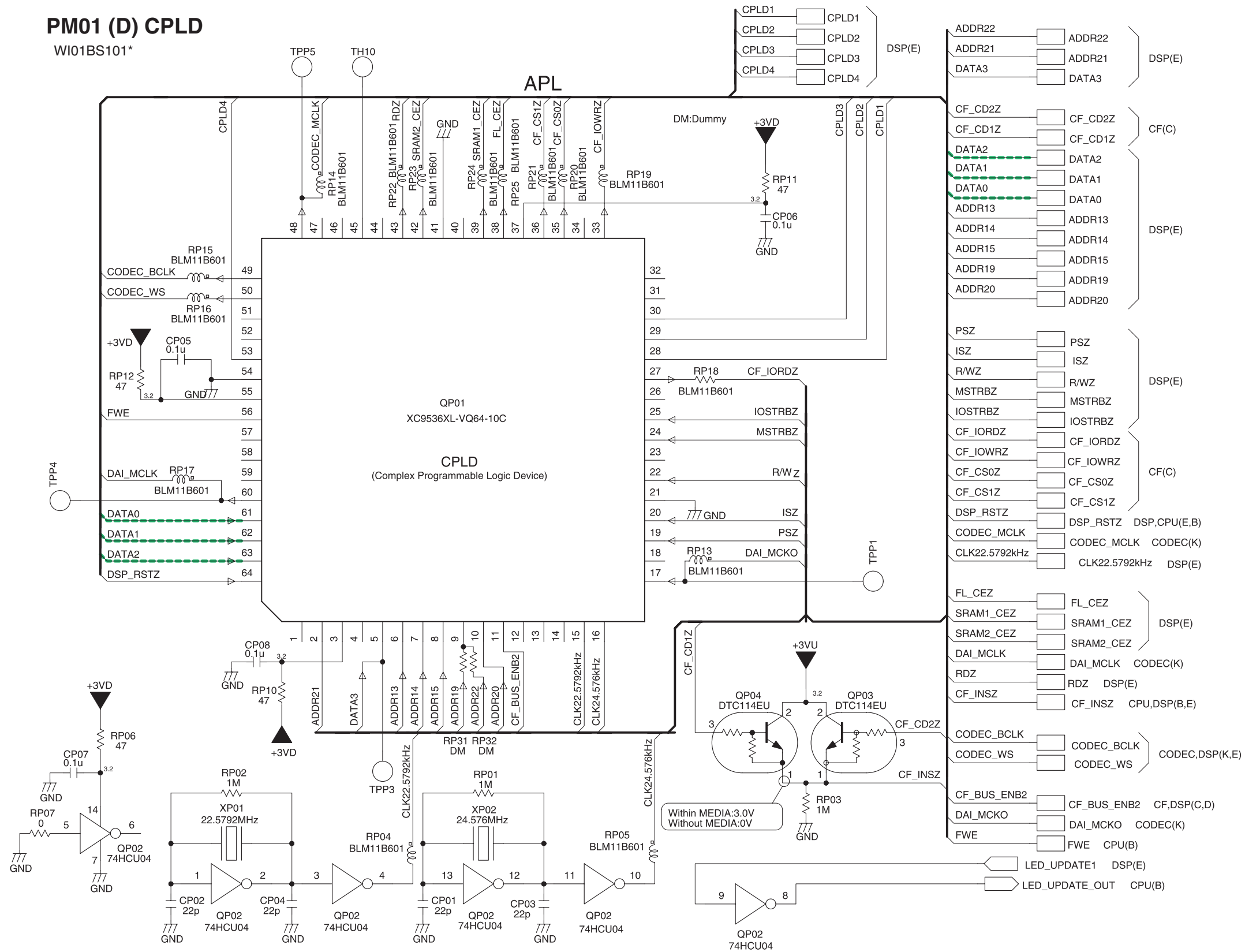
WA01BS101*

AUB



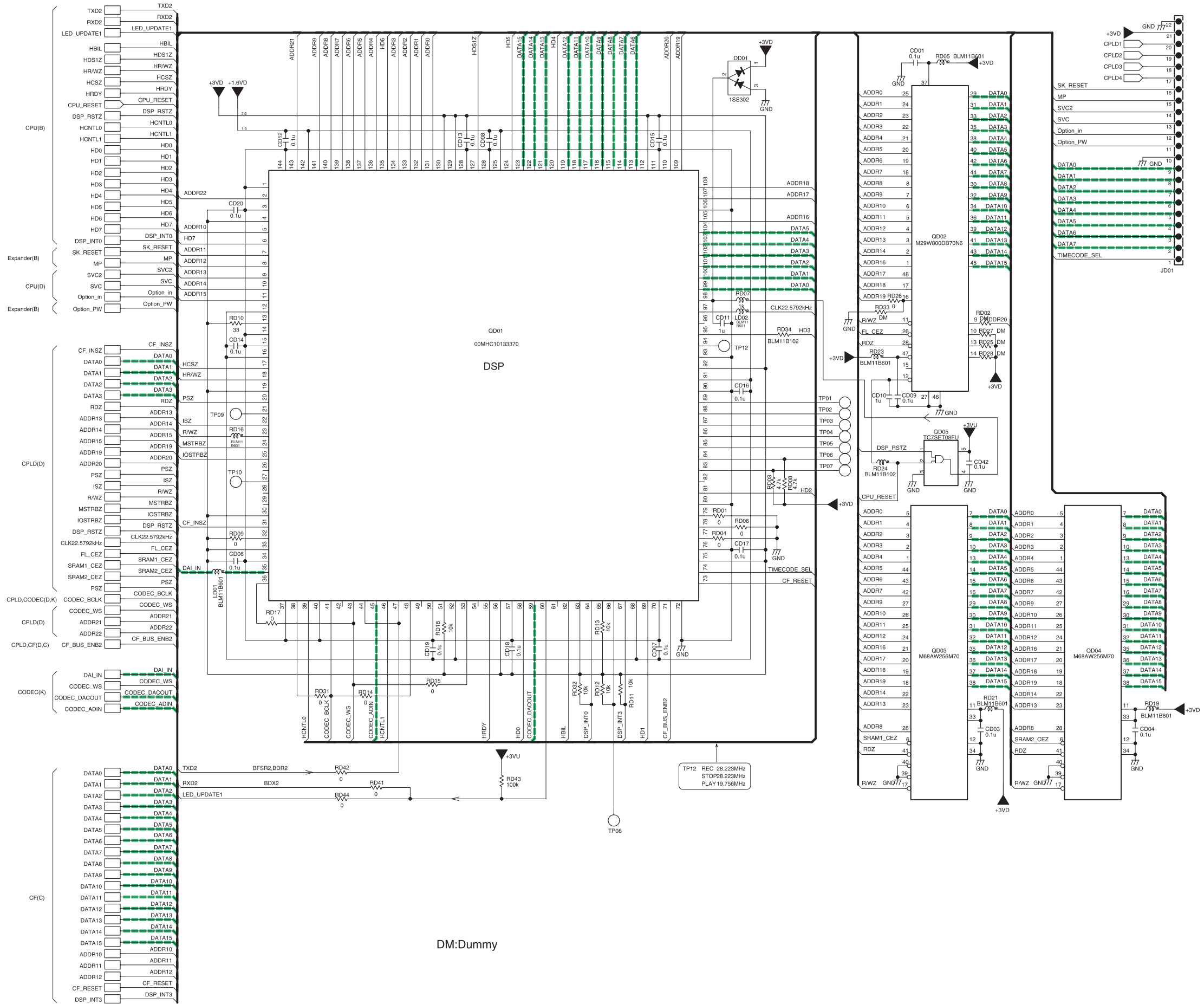
PM01 (D) CPLD

WI01BS101*

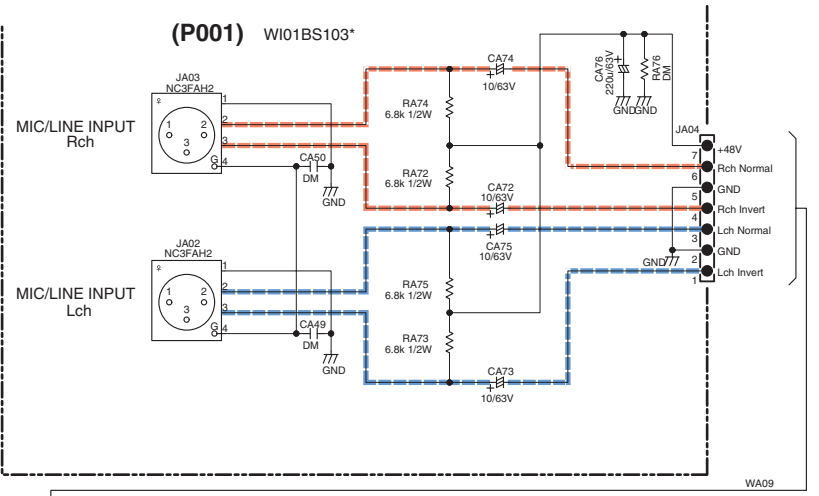


PM01 (E) DSP

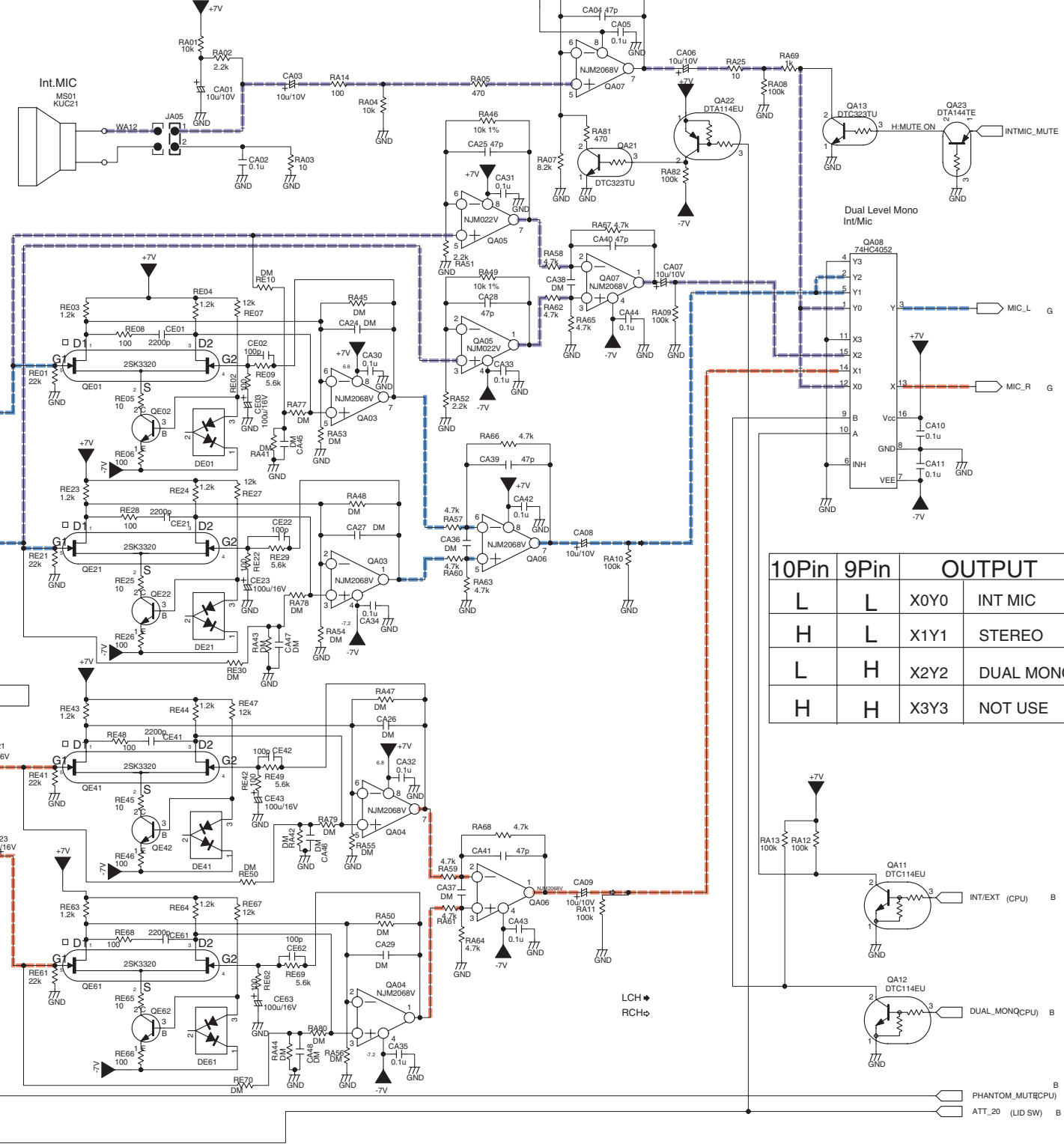
WI01BS101*



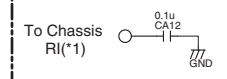
DM:Dummy



PM01 (F) MIC AMP. BLOCK 1
WI01BS101*



10Pin	9Pin	OUTPUT
L	L	X0Y0 INT MIC
H	L	X1Y1 STEREO
L	H	X2Y2 DUAL MONO
H	H	X3Y3 NOT USE

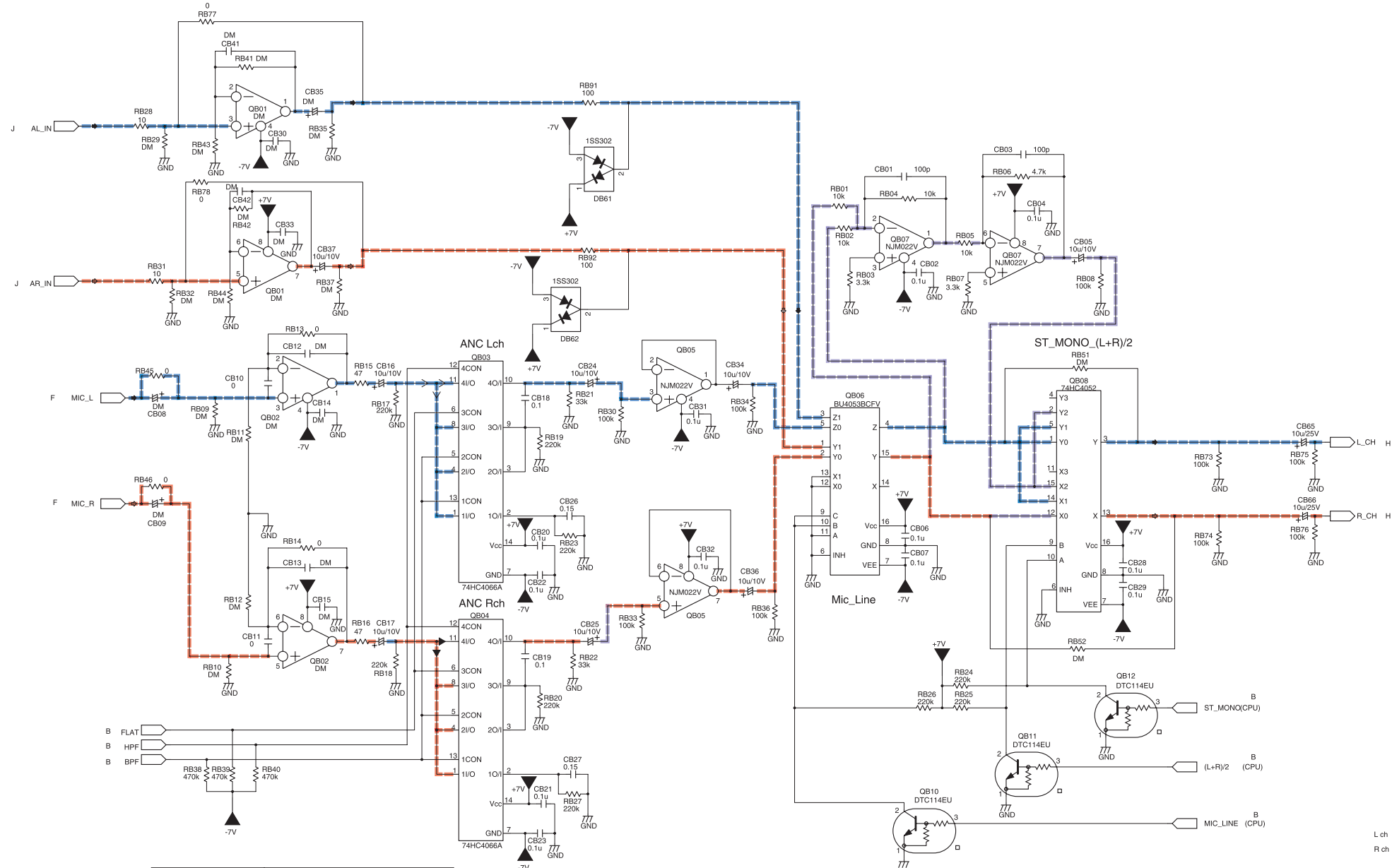


*1:Chassis of Right the Interior

DM:Dummy

PM01 (G) MIC AMP. BLOCK 2

WI01BS101*



QB03 QB04	ANC (4066)			
	12	6	5	13
BPF	L	L	H	H
FLAT	H	L	L	L
HPF	L	H	L	L

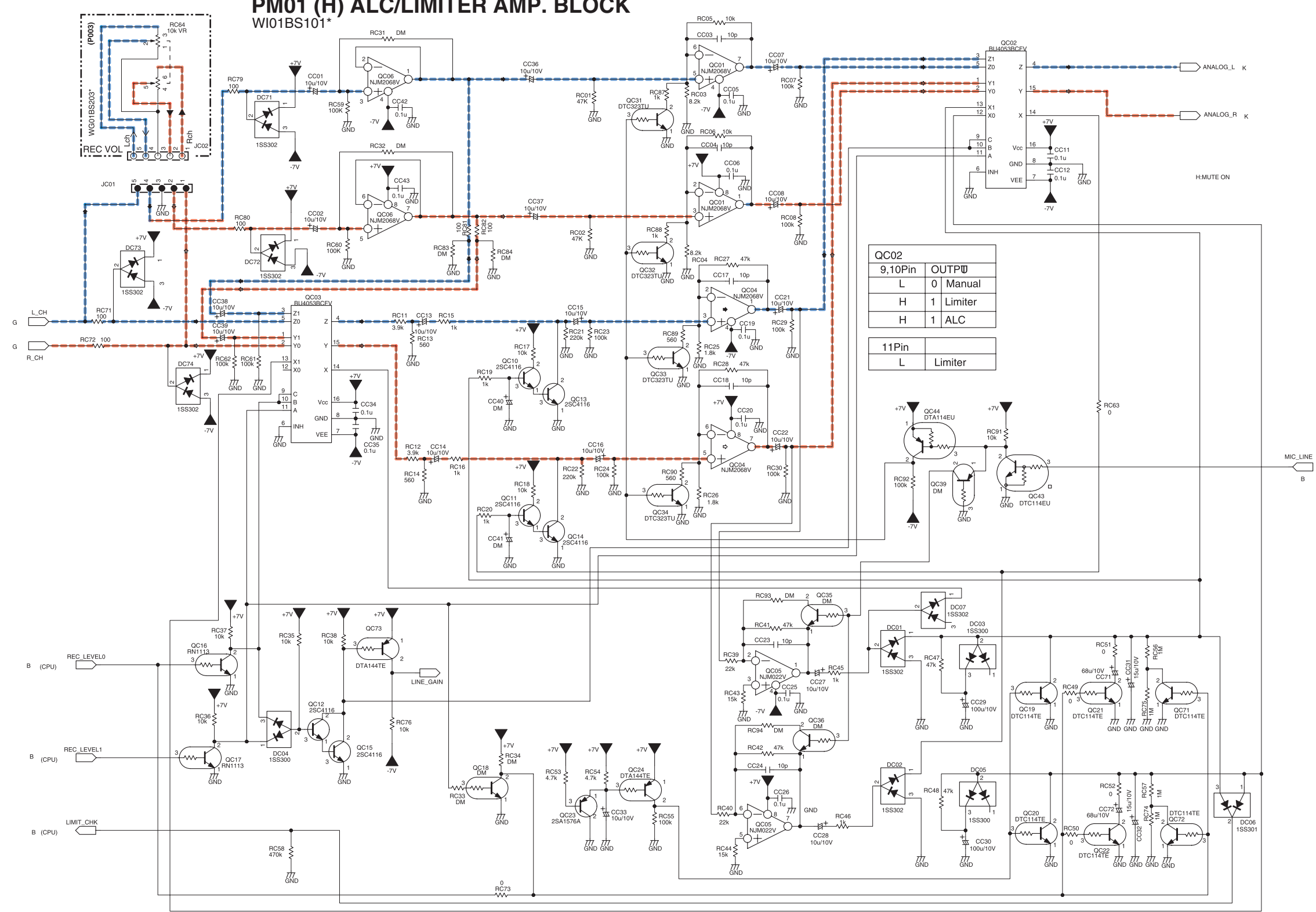
QB06	9Pin	10Pin	OUTPUT
	L	L	Mic
L	H	NOT USE	
H	L	NOT USE	
H	H	Line	

QB08	9Pin	10Pin	OUTPUT
	L	L	Y0 Stereo
L	H	Y1 Mono	
H	L	Y2 ST mono	
H	H	Y3 NOT USE	

L ch →
R ch ⇄

PM01 (H) ALC/LIMITER AMP. BLOCK

WI01BS101*



QC02		9,10Pin		OUTP W	
L	0	Manual			
H	1	Limiter			
H	1	ALC			

11Pin	
L	Limiter

QC03		9,10Pin		OUTPUT	
H	1	Manual			
H	1	Limiter			
L	0	ALC			

11Pin	
L	Limiter

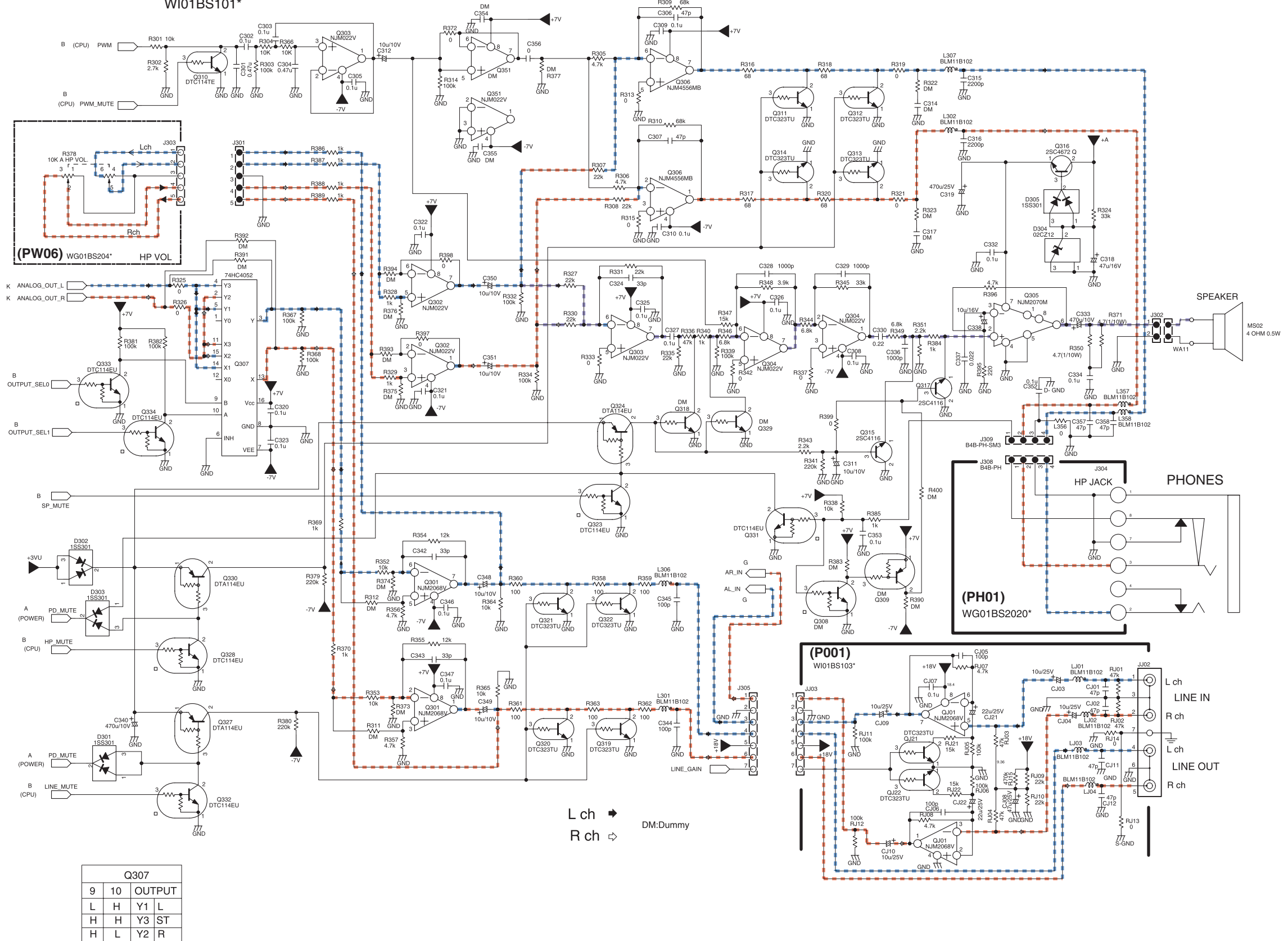
L ch →
R ch ⇐

DM: Dummy

ALC LIMITER MANUAL

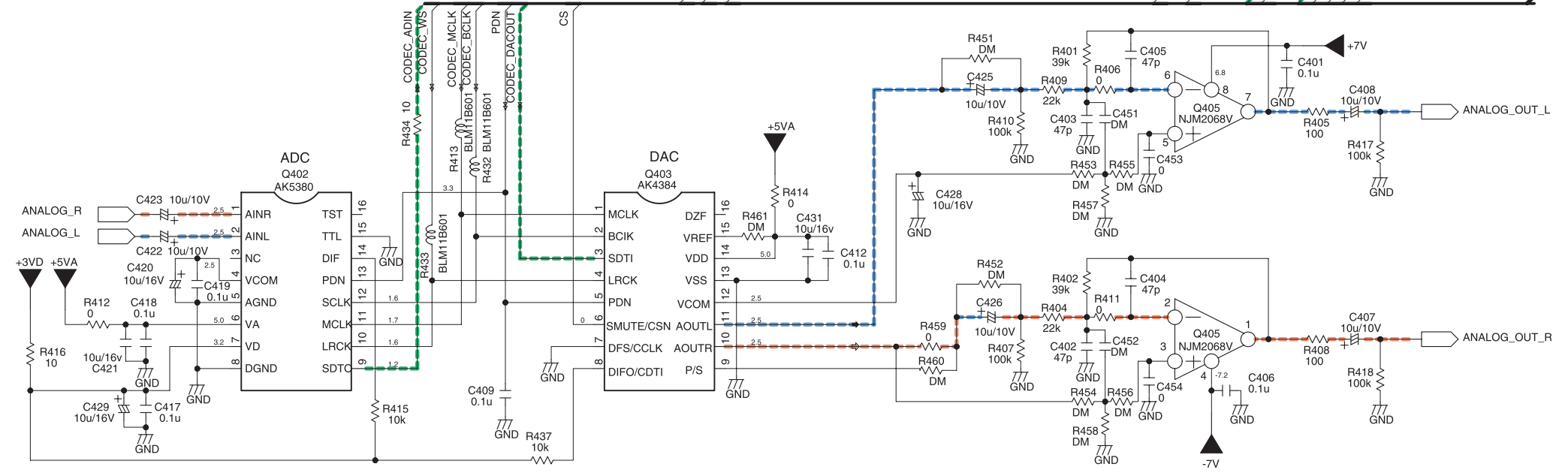
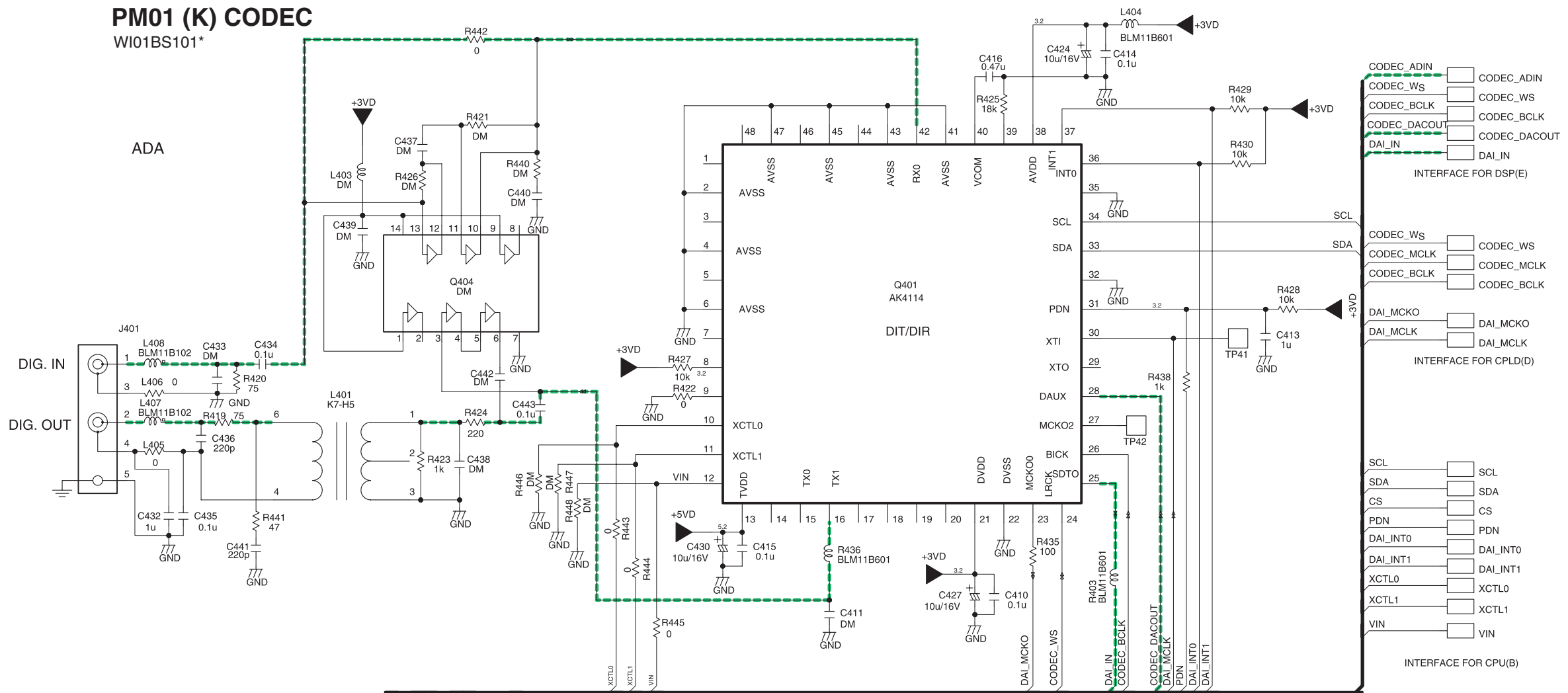
PM01 (J) Analog Output BLOCK

WI01BS101*



PM01 (K) CODEC

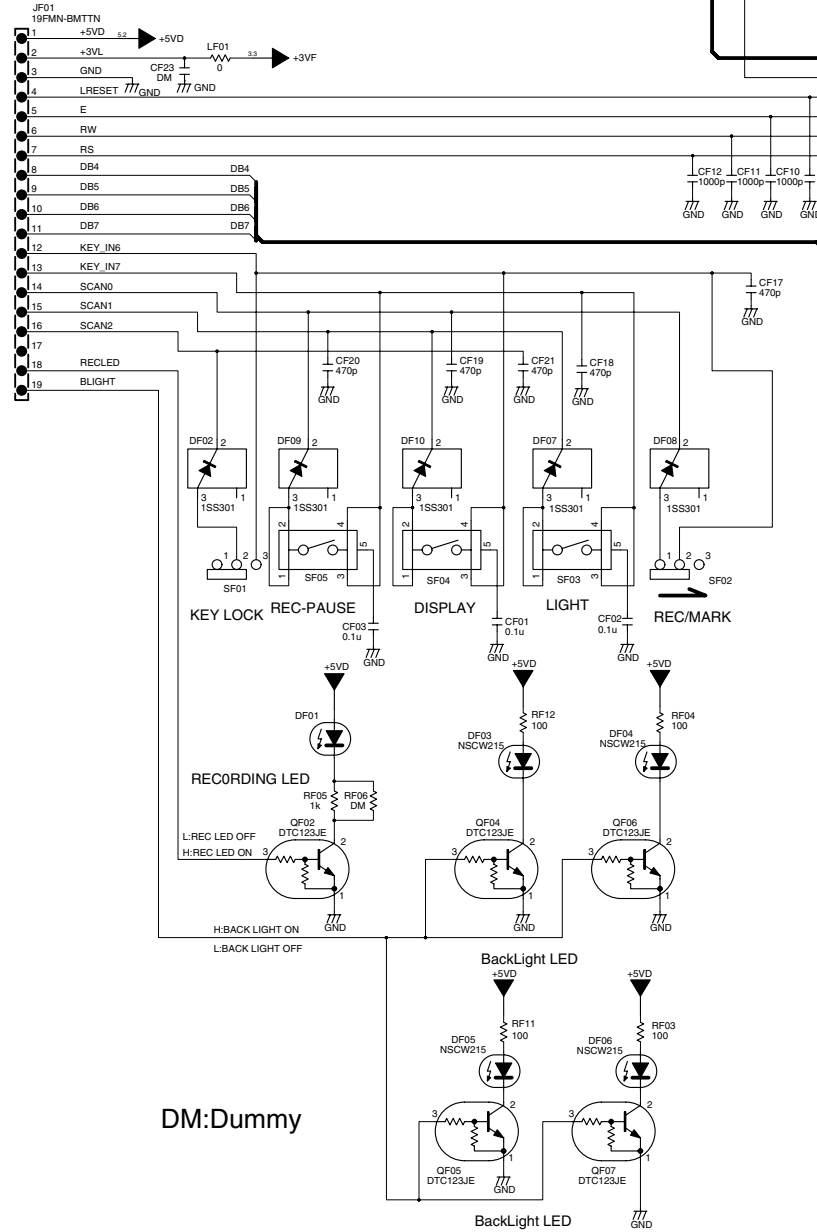
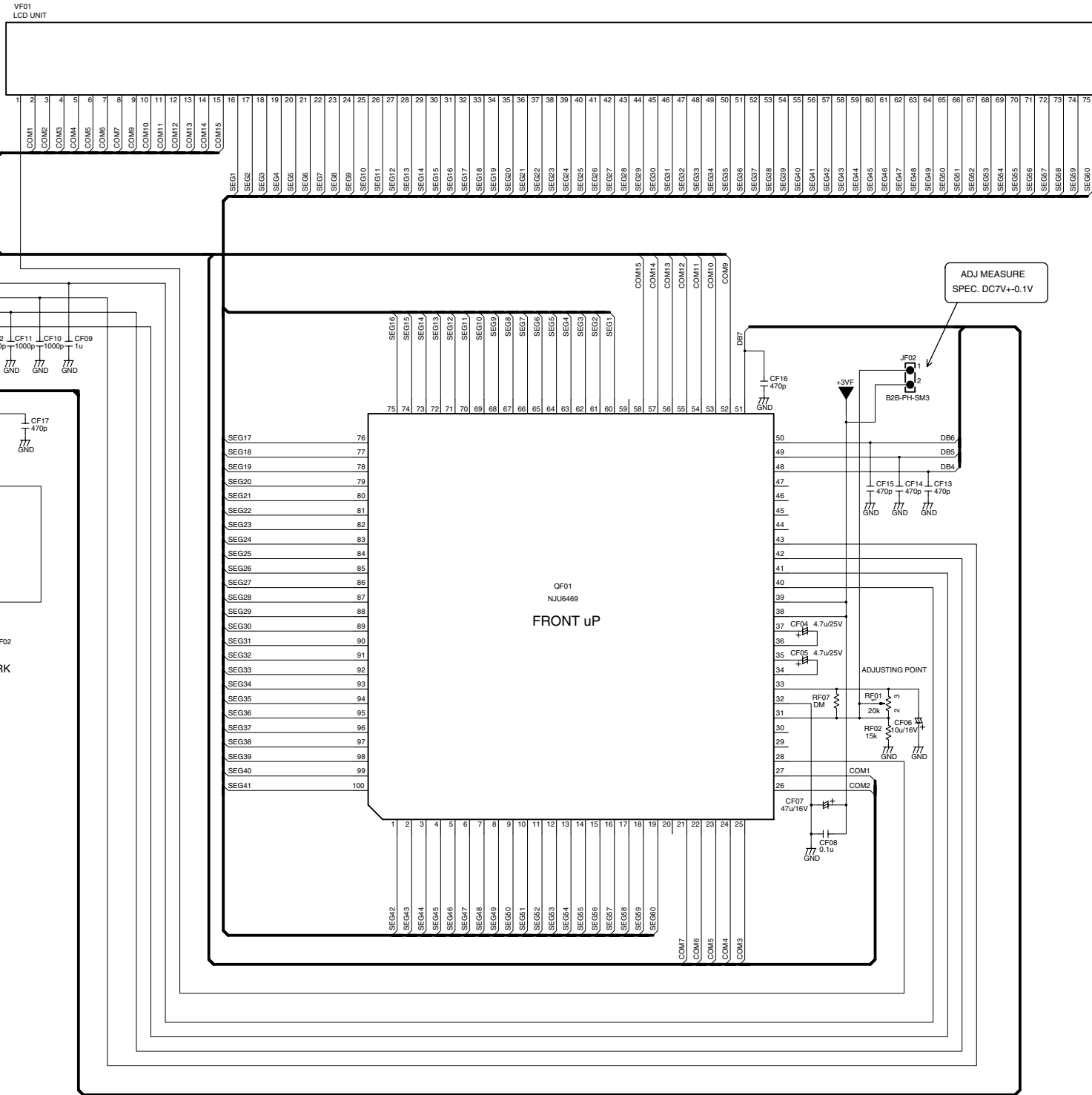
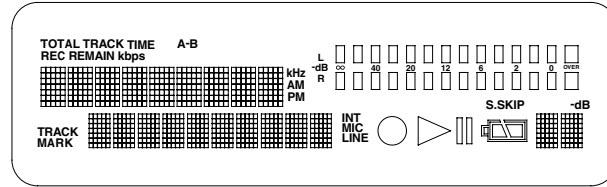
WI01BS101*



Digital \blacktriangle
 L ch \blackrightarrow
 R ch \blackleftarrow
 DM: Dummy \circ

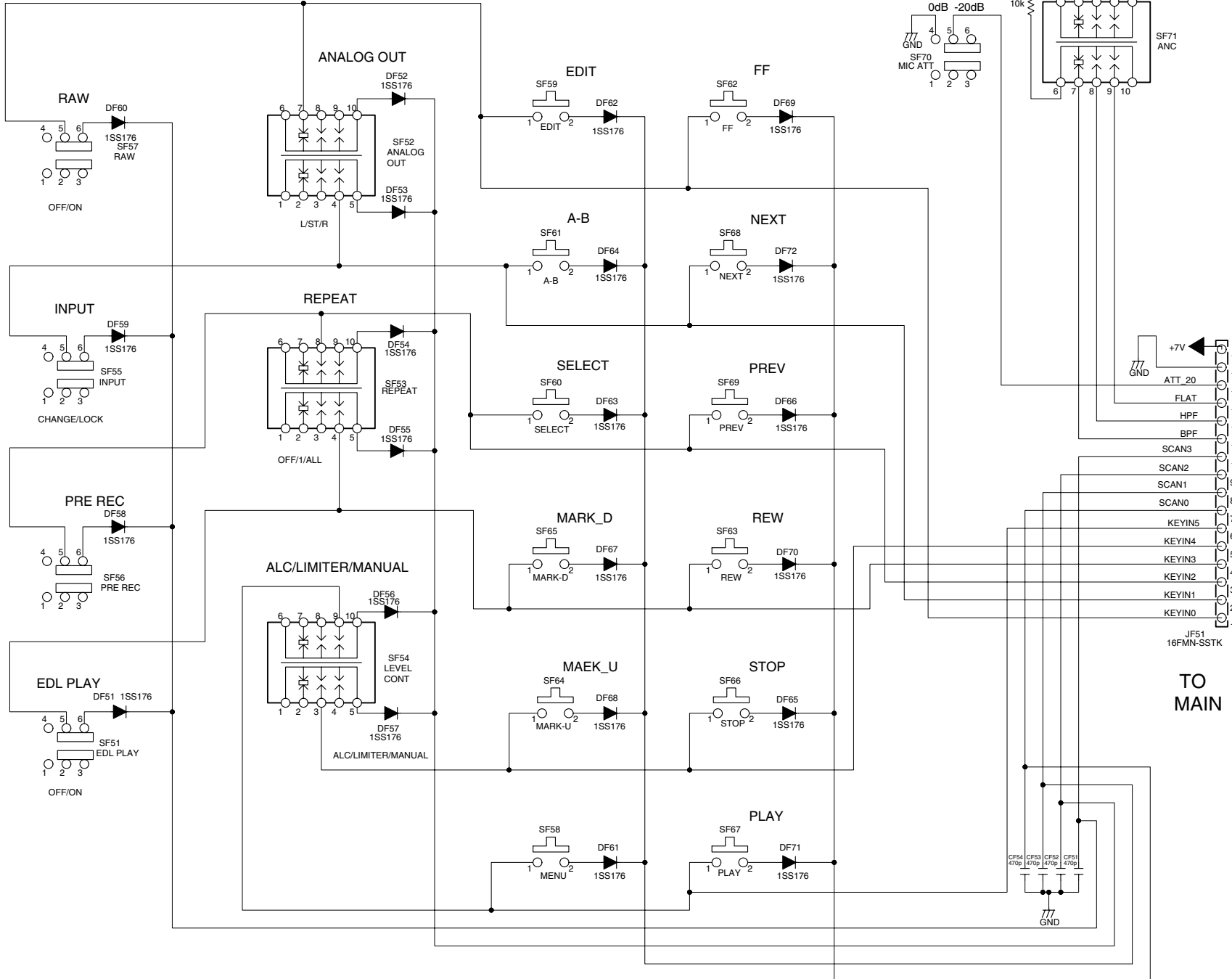
PF01 (L) LCD UNIT

WI01BS102*

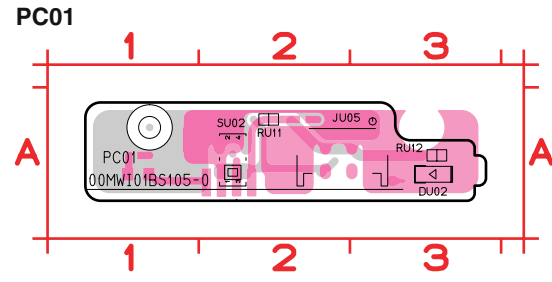


PF02 (M) KEY BLOC

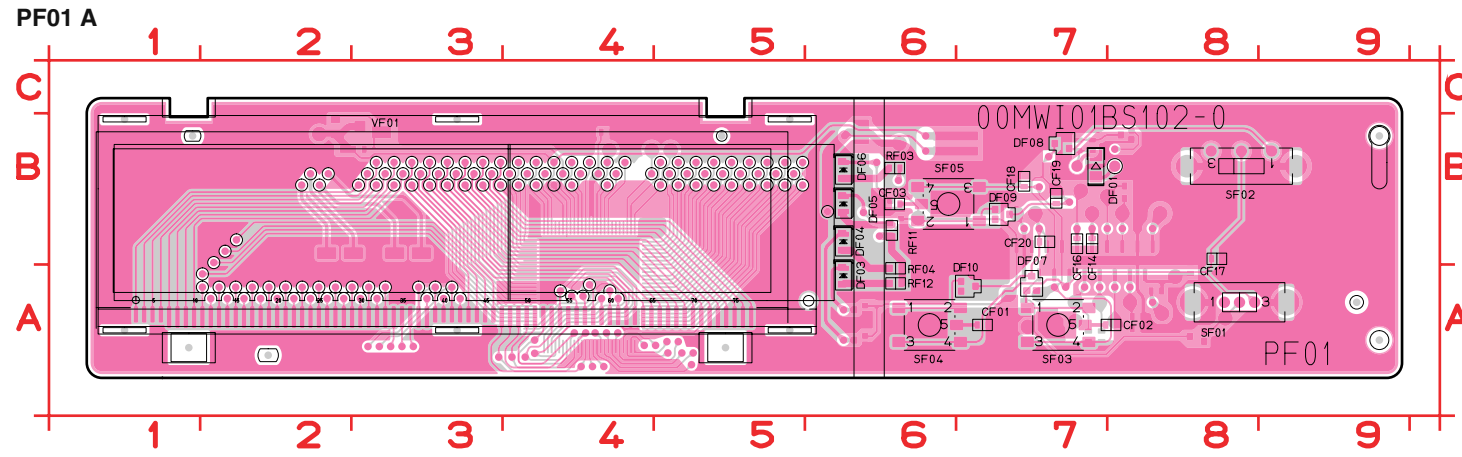
WG01BS201*



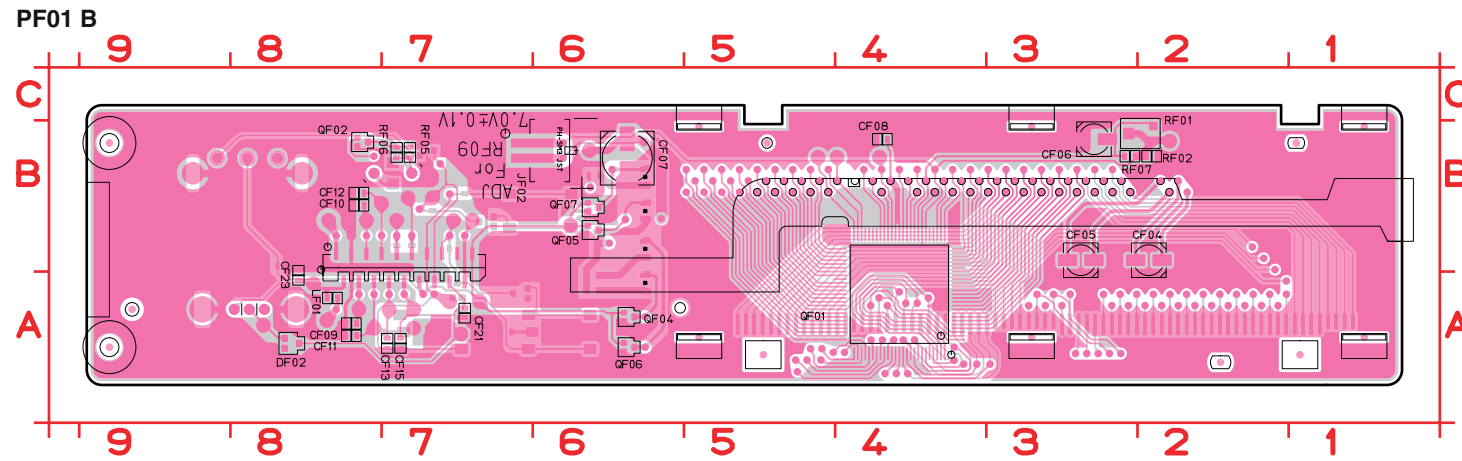
10. PARTS LOCATION



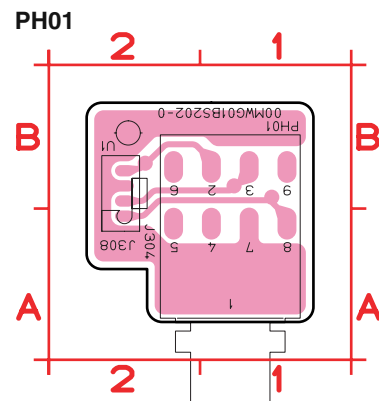
- DU02 A3
- JU05 A2
- RU11 A2
- RU12 A3
- SU02 A2



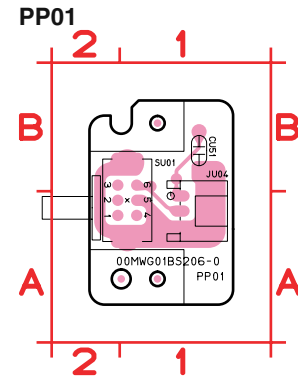
- | | | | |
|------|----|------|----|
| CF01 | A7 | DF10 | A7 |
| CF02 | A8 | RF03 | B6 |
| CF03 | B6 | RF04 | A6 |
| CF14 | B7 | RF11 | B6 |
| CF16 | B7 | RF12 | A6 |
| CF17 | B8 | SF01 | A8 |
| CF18 | B7 | SF02 | B8 |
| CF19 | B7 | SF03 | A7 |
| CF20 | B7 | SF04 | A6 |
| DF01 | B7 | SF05 | B6 |
| DF03 | A6 | VF01 | A1 |
| DF04 | B6 | | |
| DF05 | B6 | | |
| DF06 | B6 | | |
| DF07 | A7 | | |
| DF08 | B7 | | |
| DF09 | B7 | | |



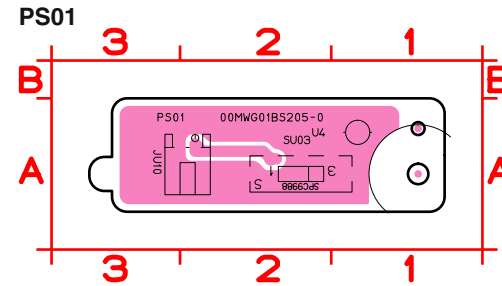
- | | | | |
|------|----|------|----|
| CF04 | B2 | QF01 | A4 |
| CF05 | B3 | QF02 | B8 |
| CF06 | B3 | QF04 | A6 |
| CF07 | B6 | QF05 | B6 |
| CF08 | B4 | QF06 | A6 |
| CF09 | A8 | QF07 | B6 |
| CF10 | B8 | RF01 | B2 |
| CF11 | A8 | RF02 | B2 |
| CF12 | B8 | RF05 | B7 |
| CF13 | A7 | RF06 | B7 |
| CF15 | A7 | RF07 | B3 |
| CF21 | A7 | | |
| CF23 | A8 | | |
| DF02 | A8 | | |
| JF01 | B7 | | |
| JF02 | B6 | | |
| LF01 | A8 | | |



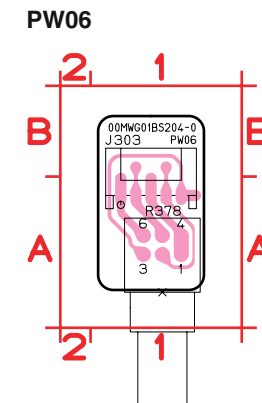
- J304 A1
- J308 A2
- U1 B2



- CU51 B1
- JU04 A1
- SU01 A1



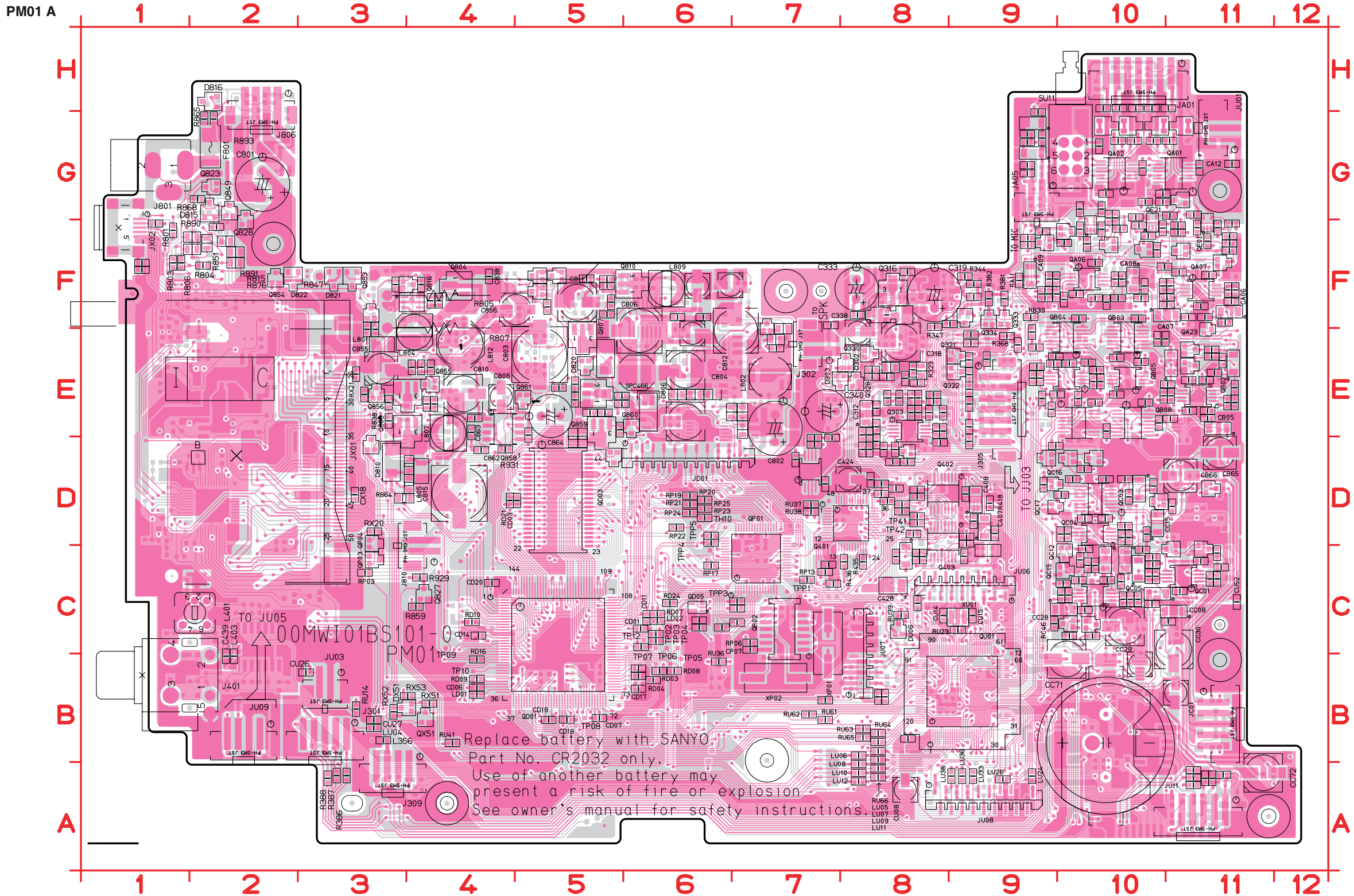
- JU10 A2
- SU03 A2
- U4 A1



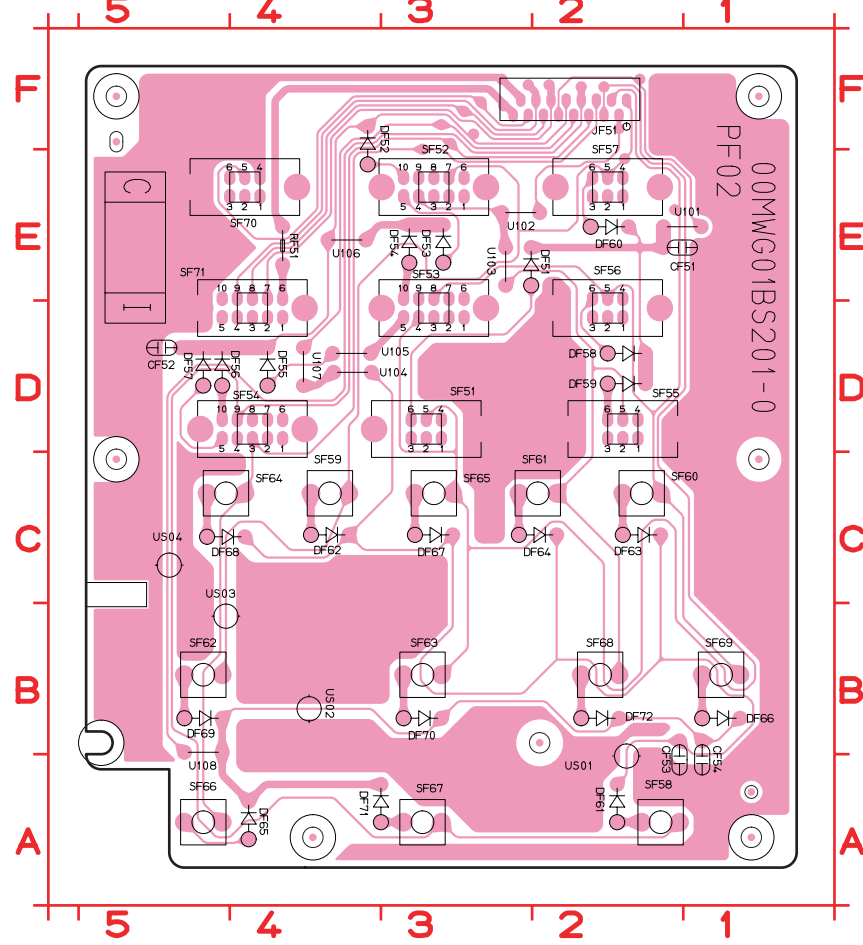
- J303 A1
- R378 A1

C301	D8	CB22	F10	DX51	B4	JX01	D2	LU06	B8	Q333	F9	Q855	E4	QB05	E10	QE42	F10	R326	E9	R388	A3	R448	C7	R840	E4	R906	E7	RA04	G9	RA58	F11	RB40	E9	RC23	D10	RC94	C10	RE25	F10	RP20	D6	RU61	B7
C302	E8	CB23	F10	F801	G2	JX02	F1	LU07	B8	Q334	F9	Q856	E3	QB06	E10	QE62	F10	R327	E8	R395	F7	R452	C8	R844	E5	R911	E4	RA05	F11	RA59	F9	RB41	E10	RC25	D10	RD01	B6	RE27	F10	RP21	D6	RU62	B7
C303	E8	CB26	E10	J301	B3	L301	D9	LU08	A8	Q351	D7	Q858	E4	QB08	E10	QP01	C7	R330	E8	R396	F8	R459	C8	R846	E4	R925	E5	RA06	F11	RA60	F10	RB42	E9	RC27	D10	RD03	B6	RE28	F10	RP22	D6	RU63	B8
C304	D8	CB28	E10	J302	E7	L302	E8	LU09	A8	Q401	D8	Q859	E5	QC01	C11	QP02	C7	R331	E8	R405	D9	R460	C8	R847	F3	R926	E5	RA07	F11	RA61	F9	RB43	E10	RC28	D10	RD04	B6	RE29	F11	RP23	D6	RU64	B8
C305	D8	CB29	E10	J305	E9	L306	E9	LU10	A8	Q402	D8	Q860	E6	QC03	D10	QP03	C3	R333	D8	R408	D9	R461	C9	R848	F4	R927	E3	RA08	F11	RA63	F10	RB44	E9	RC30	C10	RD05	C6	RE30	G10	RP24	D6	RU65	B8
C312	E8	CB30	E10	J309	A3	L307	E8	LU11	A8	Q403	D8	Q861	E5	QC04	D10	QP04	D3	R335	E8	R413	D8	R801	F1	R851	F2	R929	C4	RA09	F11	RA64	F10	RB45	E11	RC36	D10	RD06	B6	RE41	G10	RP25	D6	RU66	B8
C314	E8	CB31	E10	J401	B1	L356	B3	LU12	A8	Q804	F4	Q863	D5	QC05	C10	QU01	B9	R336	E8	R414	D9	R803	F1	R854	E6	R931	D4	RA10	F10	RA66	F10	RB52	E10	RC37	D10	RD07	C6	RE42	G10	RP31	C7	RU92	B7
C315	E8	CB32	E10	J801	G1	L401	C2	LU22	C8	Q806	E4	Q941	F4	QC12	C10	QX51	B4	R340	F9	R415	D8	R804	F2	R857	E7	R935	E5	RA11	F9	RA67	F10	RB74	E11	RC38	C10	RD08	B6	RE45	F10	RP32	C6	RU93	B8
C316	E8	CB33	E10	J806	G2	L403	B2	LU24	A9	Q807	E5	Q942	F7	QC13	D10	R301	D8	R344	F9	R416	D8	R805	F3	R859	C4	R936	E5	RA12	E11	RA68	F9	RB77	E10	RC40	C10	RD09	B4	RE46	F10	RU02	A11	RX09	F1
C317	E8	CB41	E10	J810	C4	L404	D8	LU26	A9	Q810	F6	QA01	G11	QC15	C10	R302	D8	R347	F8	R417	D9	R806	F1	R862	E7	R937	E5	RA13	E11	RA70	G10	RB78	E9	RC41	C10	RD10	C4	RE48	F10	RU05	A11	RX20	D3
C318	E8	CB42	E9	JA01	H10	L801	E3	LU33	A9	Q816	F4	QA02	G10	QC16	D9	R303	D8	R348	F9	R418	D9	R807	F3	R863	D4	R938	E5	RA14	G9	RA71	G10	RB91	E10	RC42	C10	RD16	B4	RE49	G10	RU08	A11	RX21	E3
C319	F8	CB65	D11	JA05	G9	L802	E7	LU36	A9	Q823	G2	QA06	F10	QC17	D9	R304	E8	R358	E9	R429	D8	R815	F2	R864	D3	R939	E3	RA15	G10	RA82	F11	RB92	E9	RC43	C10	RD21	D4	RE66	F10	RU14	B3	RX51	B4
C324	E8	CB66	D11	JC01	B11	L804	E4	LU38	A9	Q827	C4	QA07	F11	QC31	C11	R305	E8	R359	E9	R430	D8	R819	F5	R865	G2	R940	D5	RA16	G10	RB08	E11	RC03	C10	RC44	C10	RD24	C6	RE67	F9	RU16	A11	RX52	B3
C325	E8	CC03	C10	JD01	D6	L805	D4	LX03	F1	Q828	G2	QA10	G11	QC32	C11	R306	E8	R366	D8	R432	D8	R821	F5	R868	G2	R941	E3	RA17	H11	RB09	E11	RC04	C11	RC46	C9	RD34	C6	RE69	F9	RU21	A11	RX53	B4
C327	E8	CC04	C11	JU01	G11	L807	E4	Q303	E8	Q831	E4	QA11	E11	QC73	D10	R307	E8	R368	E9	R433	D8	R824	F2	R869	E6	R942	F3	RA19	G10	RB11	E11	RC05	C10	RC56	C10	RD43	C6	RP03	C3	RU23	C9	SU11	H10
C328	F9	CC05	C11	JU03	B3	L809	F6	Q310	D8	Q837	F5	QA12	E11	QD01	C5	R308	E8	R370	E9	R434	D8	R827	E4	R874	F2	R944	E7	RA20	G11	RB12	E11	RC06	C11	RC61	C10	RE01	G11	RP06	C7	RU26	G10	T2	C9
C332	F8	CC06	C11	JU06	C9	L812	E4	Q316	F8	Q842	F5	QA22	F11	QD03	D5	R311	E9	R372	D7	R435	C8	R829	D4	R876	F2	R945	E5	RA24	H10	RB13	E11	RC07	C10	RC63	C10	RE02	F11	RP10	C7	RU28	A11	TH10	D6
C333	F8	CC07	C10	JU07	C8	L813	E6	Q321	E9	Q849	G2	QA23	E11	QD05	C6	R314	E8	R377	D7	R436	C8	R832	F5	R886	E6	R946	D5	RA25	F11	RB14	E10	RC08	C11	RC73	D9	RE05	F11	RP13	C7	RU36	B6	XP01	C7
C338	E8	CC08	C11	JU08	A9	LD01	B4	Q322	E9	Q851	F5	QB01	E10	QE01	F11	R322	E8	R381	F9	R437	D8	R835	E3	R890	F2	R947	F4	RA26	H10	RB23	E11	RC11	D10	RC76	D10	RE08	F11	RP15	D6	RU37	D7	XP02	B7
C340	E7	CC13	D10	JU09	B2	LD02	C6	Q328	E8	Q852	E5	QB02	E11	QE21	F10	R323	E8	R382	F9	R438	D8	R837	F5	R891	F2	RA01	G9	RA27	H10	RB24	E9	RC13	D10	RC87	C10	RE09	F11	RP16	D6	RU38	D7	XU01	C9
C344	E9	CC15	D10	JU11	A11	LU04	B3	Q329	F9	Q853	F3	QB03	E10	QE22	F10	R324	F8	R386	A3	R446	C7	R838	E3	R893	G2	RA02	G9	RA28	H10	RB38	E9	RC15	D10	RC88	C11	RE10	F10	RP17	C6	RU39	C8		
C345	E9	CC17	D10	JU21	B10	LU05	B8	Q330	E8	Q854	F2	QB04	E10	QE41	F10	R325	E9	R387	A3	R447	C7	R839	F5	R899	E7	RA03	G9	RA57	F10	RB39	F9	RC21	D11	RC93	C10	RE22	G11	RP19	D6	RU41	B4		

C407	D9	CC21	C10
C408	D9	CC22	C10
C412	D9	CC23	C10
C414	D8	CC24	C10
C424	D8	CC25	C10
C426	C8	CC26	C10
C428	C8	CC28	C10
C431	C9	CC29	C10
C439	B2	CC30	C11
C801	G2	CC31	B10
C802	D7	CC32	B11
C803	E5	CC34	D10
C804	E6	CC35	D10
C806	E6	CC38	C10
C807	F6	CC71	B10
C808	E4	CC72	A11
C809	E6	CD01	C6
C810	E4	CD03	D5
C811	F5	CD06	B4
C812	E7	CD07	B5
C813	F6	CD11	C6
C815	D4	CD14	C4
C816	F5	CD16	C6
C826	E4	CD17	B6
C829	F6	CD18	B5
C838	F4	CD19	B5
C840	E6	CD20	C4
C843	E7	CD42	C6
C844	E4	CE01	F11
C847	F4	CE02	F11
C848	F6	CE21	F10
C855	E3	CE22	F11
C856	F5	CE41	F10
C859	E5	CE42	G10
C862	D4	CE62	F9
C863	E4	CP07	C7
C864	E5	CP08	C7
CA01	G9	CU07	B8
CA02	G9	CU08	A8
CA03	G9	CU14	C8
CA04	F11	CU15	C9
CA05	F11	CU26	B3
CA06	F11	CU27	B3
CA07	F11	CU33	B8
CA08	F10	CU52	C11
CA09	F9	CX03	F1
CA12	G11	CX18	D3
CA16	G10	D302	E8
CA17	G10	D303	E8
CA18	G11	D304	F8
CA19	G10	D305	F8
CA36	F10	D806	E6
CA37	F9	D810	D3
CA38	F11	D815	G2
CA39	F10	D816	H2
CA40	F11	D817	E5
CA41	F9	D818	F3
CA42	F10	D820	E5
CA43	F10	D821	F3
CA44	F11	D822	F2
CB05	E11	D824	D3
CB06	E10	DA03	G11
CB07	D9	DA04	G10
CB08	E11	DA05	G10
CB09	E11	DA06	G10
CB10	E11	DB61	D10
CB11	E11	DB62	D9
CB12	E11	DC01	C10
CB13	E11	DC02	C10
CB14	E11	DC73	D11
CB15	E11	DE21	F11
CB20	E10	DE61	F9
CB21	E9	DU06	C8

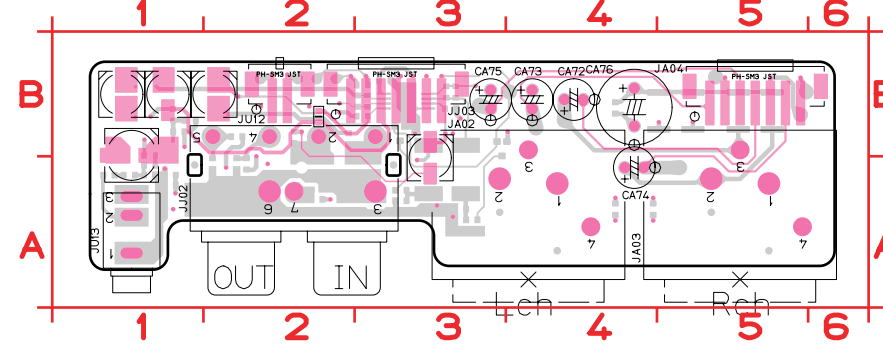


PF02



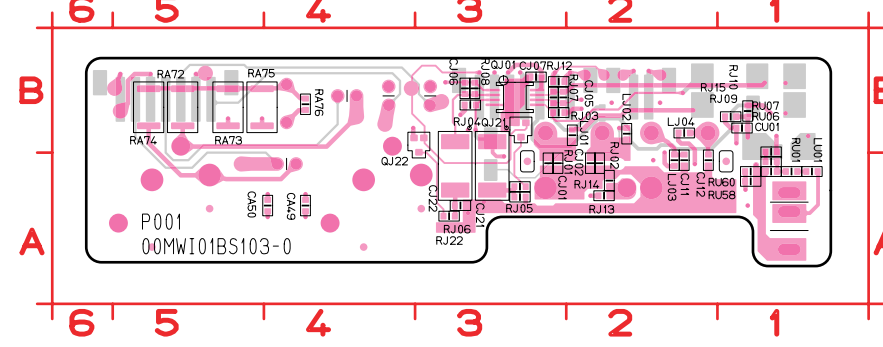
- | | | | |
|------|----|------|----|
| CF51 | E1 | SF65 | C3 |
| CF52 | D5 | SF66 | A5 |
| CF53 | A2 | SF67 | A3 |
| CF54 | A1 | SF68 | B2 |
| DF51 | E3 | SF69 | B1 |
| DF52 | E4 | SF70 | E4 |
| DF53 | E3 | SF71 | D4 |
| DF54 | E3 | U101 | E1 |
| DF55 | D4 | U102 | E2 |
| DF56 | D5 | U103 | E3 |
| DF57 | D5 | U104 | D4 |
| DF58 | D2 | U105 | D4 |
| DF59 | D2 | U106 | E4 |
| DF60 | E2 | U107 | D4 |
| DF61 | A2 | U108 | B5 |
| DF62 | C4 | US01 | A2 |
| DF63 | C2 | US02 | B4 |
| DF64 | C3 | US03 | B4 |
| DF65 | A4 | US04 | C5 |
| DF66 | B1 | | |
| DF67 | C3 | | |
| DF68 | C5 | | |
| DF69 | B5 | | |
| DF70 | B3 | | |
| DF71 | A4 | | |
| DF72 | B2 | | |
| JF51 | F2 | | |
| RF51 | E4 | | |
| SF51 | D3 | | |
| SF52 | E3 | | |
| SF53 | D3 | | |
| SF54 | D4 | | |
| SF55 | D2 | | |
| SF56 | D2 | | |
| SF57 | E2 | | |
| SF58 | A2 | | |
| SF59 | C4 | | |
| SF60 | C2 | | |
| SF61 | C2 | | |
| SF62 | B5 | | |
| SF63 | B3 | | |
| SF64 | C5 | | |

P001 A



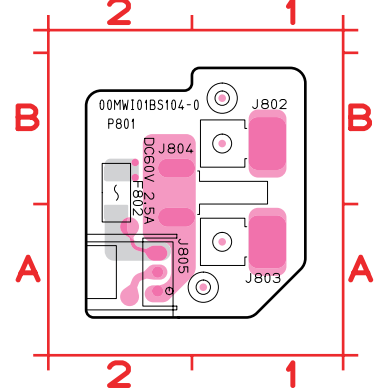
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|------|----|------|----|
| CA72 | B4 | JU13 | A1 |
| CA73 | B4 | RJ11 | B2 |
| CA74 | A4 | | |
| CA75 | B3 | | |
| CA76 | B4 | | |
| CJ03 | B2 | | |
| CJ04 | A3 | | |
| CJ08 | B1 | | |
| CJ09 | B1 | | |
| CJ10 | B1 | | |
| JA02 | A4 | | |
| JA03 | A5 | | |
| JA04 | B5 | | |
| JJ02 | A2 | | |
| JJ03 | B3 | | |
| JU12 | B2 | | |

P001 B



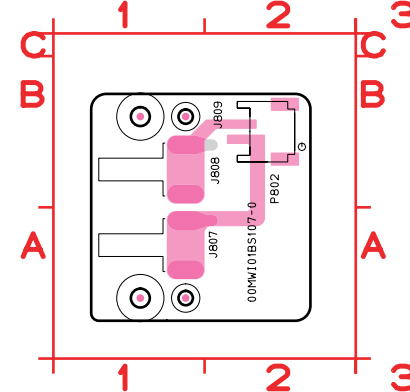
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|------|----|------|----|------|----|
| CA49 | A4 | LU01 | A1 | RJ08 | B3 |
| CA50 | A4 | QJ01 | B3 | RJ09 | B1 |
| CJ01 | A3 | QJ21 | B3 | RJ10 | B1 |
| CJ02 | A2 | QJ22 | B3 | RJ12 | B3 |
| CJ05 | B3 | RA72 | B5 | RJ13 | A2 |
| CJ06 | B3 | RA73 | B5 | RJ14 | A2 |
| CJ07 | B3 | RA74 | B5 | RJ15 | B1 |
| CJ11 | A2 | RA75 | B5 | RJ21 | A3 |
| CJ12 | A2 | RA76 | B4 | RJ22 | A3 |
| CJ21 | A3 | RJ01 | A3 | RU01 | A1 |
| CJ22 | A3 | RJ02 | A2 | RU06 | A1 |
| CU01 | A1 | RJ03 | B3 | RU07 | B1 |
| LJ01 | B2 | RJ04 | B3 | RU58 | A1 |
| LJ02 | B2 | RJ05 | A3 | RU60 | A1 |
| LJ03 | A2 | RJ06 | A3 | | |
| LJ04 | B2 | RJ07 | B3 | | |

P801



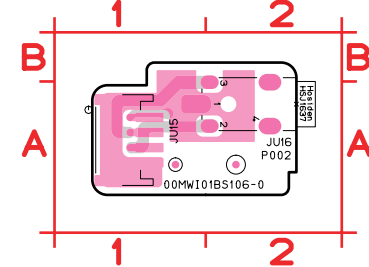
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|------|----|
| F802 | B2 |
| J802 | B1 |
| J803 | A1 |
| J804 | B1 |
| J805 | A2 |

P802



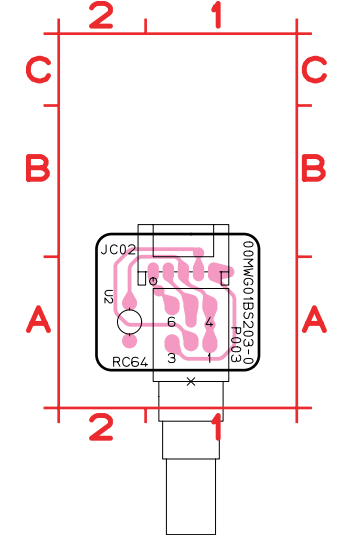
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|------|----|
| J807 | A1 |
| J808 | B1 |
| J809 | B2 |

P002



- | | |
|------|----|
| JU15 | A1 |
| JU16 | A2 |

P003



- | | |
|------|----|
| JC02 | A1 |
| RC64 | A1 |
| U2 | A2 |

11. MICROPROCESSOR AND IC DATA

QU01 : HD64F2328 (FRONT uP)

No	port name	I/O	USE	Sig. Name	ACT	INI	PUP	Description
1	Vcc	-	-	+3.3V	-	-	-	
2	PC0	I/O	I/O	HPI HD0	-	L	OFF	
3	PC1	I/O	I/O	HPI HD1	-	L	OFF	
4	PC2	I/O	I/O	HPI HD2	-	L	OFF	
5	PC3	I/O	I/O	HPI HD3	-	L	OFF	
6	VSS		-	Ground	-	-	-	Ground
7	PC4	I/O	I/O	HPI HD4	-	L	OFF	
8	PC5	I/O	I/O	HPI HD5	-	L	OFF	
9	PC6	I/O	I/O	HPI HD6	-	L	OFF	
10	PC7	I/O	I/O	HPI HD7	-	L	OFF	
11	PB0	I/O	O	I2C Bus SCL	-	H	OFF	Pull Up 22 k ohm
12	PB1	I/O	I/O	I2C Bus SDA	-	H	OFF	Pull Up 22 k ohm
13	PB2	I/O	O	USB SW	-	-	OFF	
14	PB3	I/O	O	CF ENABLE SW	-	-	OFF	
15	VSS	I	-	Ground	-	-	-	
16	PB4	I/O	O	DV_SW (DC/DC+3.3V/5V SW)	H	L	OFF	
17	PB5	I/O	O	AV_SW (DC/DC +8V SW)				
18	PB6	I/O	O	+48SW (DC/DC +48V SW)				
19	PB7	I/O	O	CHARG TRI	H	L	-	
20	PA0	I/O	O	S_MUTE	H	L	OFF	for DAC
21	PA1	I/O	O	PDN	L	H	OFF	for DI, DAC, ADC
22	PA2	I/O	I	DIR_INT0	-	L	OFF	for DIT/DIR
23	PA3	I/O	I	DIR_INT1	-	L	OFF	for DIT/DIR
24	VSS	I	-	Ground	-	-	-	
25	PA4	I/O	O	DIT_VIN	-	-	OFF	for DIT/DIR
26	PA5	I/O	O	XCTL0	-	-	OFF	for DIT/DIR
27	PA6	I/O	O	XCTL1	-	-	OFF	for DIT/DIR
28	PA7/IRQ7	I/O	O	BACKLIGHT	H	H	OFF	for LCD
29	P67	I/O	I	AC_IN	H	L	-	
30	P66	I/O	I	RTC_INT	H	L	-	
31	P65/IRQ1	I/O	I	Power SW	H	L	-	
32	P64/IRQ0	I/O	I	REMOTE1	-	H	-	Pull Up
33	Vcc	-	-	+3.3V'	-	-	-	
34	PE0	I/O	I/O	DB4	H	L	OFF	for LCD
35	PE1	I/O	I/O	DB5	H	L	OFF	for LCD
36	PE2	I/O	I/O	DB6	H	L	OFF	for LCD
37	PE3	I/O	I/O	DB7	H	L	OFF	for LCD
38	VSS	I	-	Ground	-	-	-	
39	PE4	I/O	O	LRESET	H	L	OFF	for LCD
40	PE5	I/O	O	RW	H	L	OFF	for LCD
41	PE6	I/O	O	RS	H	L	OFF	for LCD
42	PE7	I/O	O	E	H	L	OFF	for LCD
43	PD0	I/O	O	(L+R)/2	H	L	OFF	
44	PD1	I/O	O	ST_MONO	H	L	OFF	
45	PD2	I/O	O	DUAL MONO	H	L	OFF	
46	PD3	I/O	O	INT/EXT	H	L	OFF	H: INT / L: EXT
47	VSS	I	-	Ground	-	-	-	
48	PD4	I/O	O	MIC/LINE	H	L	OFF	H: MIC / L: LINE
49	PD5	I/O	O	OUTPUT SEL 0	-	L		
50	PD6	I/O	O	OUTPUT SEL 1	-	L		
51	PD7	I/O	O	SP-MUTE	H	L		
52	Vcc	-	-					
53	P30/TXD0	I/O	O	PWM-MUTE	H	L		
54	P31/TXD1	I/O	O	TXD				For Flash Writing
55	P32/RXD0	I/O	O	DSP_SW (DOOR_SW)	H	L		
56	P33/RXD1	I	I	RXD				For Flash Writing
57	P34/SCK0	I/O	I	TRSTn				
58	P35/SCK1	I/O	I	SCK				For Flash Writing
59	VSS	I	-	Ground	-	-	-	Ground
60	P60	I/O	I	TMS	-	-	-	

No	port name	I/O	USE	Sig. Name	ACT	INI	PUP	Description
61	P61	I/O	I	TCK	-	-	-	
62	P62	I/O	I	TDI	-	-	-	
63	P63	I/O	O	TDO	-	-	-	
64	P27	I/O	O	REC LEVEL 1	H	L	OFF	
65	P26	I/O	O	REC LEVEL 0	H	L	OFF	Man/Lim/ALC
66	P25	I/O	I	SVC				
67	P24	I/O	I	SVC2				
68	P23	I/O	O	SCAN3	L	H	OFF	
69	P22	I/O	O	SCAN2	L	H	OFF	
70	P21	I/O	O	SCAN1	L	H	OFF	
71	P20	I/O	O	SCAN0	L	H	OFF	
72	WDTOVF		-	-	-	-	-	
73	RES	I	I	-	-	-	-	Pull Up
74	NMI	I	I	-	-	-	-	Pull Up
75	STBY	I	I	-	-	-	-	Pull Up
76	Vcc	-	-	+3.3V	-	-	-	
77	XTAL	O	O	24.576 MHz	-	-	-	
78	EXTAL	I	I	24.576 MHz	-	-	-	
79	VSS	I	-	-	-	-	-	Ground
80	PF7	I	I	KEY_IN7	L	H	-	Pull Up
81	Vcc	-	-	+3.3V				
82	PF6	I/O	I	KEY_IN6	L	H	-	Pull Up
83	PF5	I/O	I	KEY_IN5	L	H	-	Pull Up
84	PF4	I/O	I	KEY_IN4	L	H	-	Pull Up
85	PF3	I/O	I	KEY_IN3	L	H	-	Pull Up
86	PF2	I/O	I	KEY_IN2	L	H	-	Pull Up
87	PF1	I/O	I	KEY_IN1	L	H	-	Pull Up
88	PF0	I/O	I	KEY_IN0	L	H	-	Pull Up
89	P50	I/O	O	LINE-MUTE	H	L	-	
90	P51	I/O	O	HP-MUTE	H	L	-	
91	P52	I/O	O	INTMIC-MUTE	H	L	-	
92	P53	I/O	O	PHANTOM-MUTE	-	-	OFF	
93	ACVV	I	-	+5V	-	-	-	
94	Vref		-	Ground	-	-	-	
95	P40	I	ADC	BATT_DET (Battery Voltage)				
96	P41	I	ADC	LIMIT_CHK	-	-	-	
97	P42	I	I	PHAN SW (PHAMTOM)	-	-	-	
98	P43	I	I	HRDY	-	-	-	
99	P44	I	I	CARD IN	L	H	-	Pull Up
100	P45	I	I	USB IN	H	L	-	CD1 & CD2 & USB1
101	P46	I	ADC	REMOTE2	-	-	-	
102	P47	I	ADC	BAT	-	-	-	
103	AVSS	I	-	Ground	-	-	-	Ground
104	VSS	I	-	-				Ground
105	P17	I/O	I	Option IN				
106	P16	I/O	O	HCNTL1	H	H	-	
107	P15	I/O	O	HCNTL0	H	H	-	
108	P14	I/O	I	Reserve				
109	P13/TIOCD0	I/O	I	CARDLID_OPEN				
110	P12/TIOCC0	I/O	O	PWM	-	L	-	
111	P11/TIOCB0	I/O	O	REC LED	H	L	-	RED LED
112	P10/TIOCA0	I/O	O	HRESET#	L	H	-	
113	MD0	I	I	Mode 7	-	-	-	Pull Up
114	MD1	I	I	Mode 7	-	-	-	Pull Up
115	MD2	I	I	Mode 7	-	-	-	Pull Up
116	PG0	I/O	O	HBIL	H	L	-	
117	PG1	I/O	O	HDS#	L	L	-	
118	PG2	I/O	O	HRW#	L	L	-	
119	PG3	I/O	O	HCS#	L	L	-	
120	PG4	I/O	O	DSP_INT	H	L	-	

QX01:GL813

Pin Name	Pin#	Type	Pad Type	Description
CFPWR	1	B	Tri-state	Compact flash card power control
IODD0-15	37-40, 43-46, 2-5, 8-11	I	Tri-state	IDE data bus 0-15
DVCC1-2	6,42	P	Power	Digital VCC
DGND1-2	7,41	P	Power	Digital ground
DO	12	I	Tri-state	DO from EEPROM
CS1_	13	O	Tri-state	IDE chip select 1
DA2 / SK	14	O	Tri-state	IDE address 2 / SK to EEPROM
RESET#	15	I	Pull-high	HW reset
RPU	16	A	U20mia	3.3v output
AVCC0-1	17,24	P	Power	Analog VCC
DPF	18	B	U20mia	Full speed DP
DPH	19	B	U20mia	High speed DP
DMF	20	B	U20mia	Full speed DM
DMH	21	B	U20mia	High speed DM
AGND0-1	22,27	P	Power	Analog ground
RREF	23	-	U20mia	Reference resistor connect (*)
X2	25	B	Clock	Crystal output
X1	26	I	Clock	Crystal input, 12Mhz
CFDET	28	I	Tri-state	Compact flash card detect
TEST	29	I	Pull-low	TEST mode input
CS0_	30	O	Tri-state	IDE Chip select 0
DA0	31	O	Tri-state	IDE address 0
DA1 / DI	32	O	Tri-state	IDE address 1 / DI to EEPROM
INTRQ	33	I	Tri-state	IDE Interrupt request
IORDY	34	I	Tri-state	IDE IO ready
DIOR_	35	O	Tri-state	IDE read signal
DIOW_	36	O	Tri-state	IDE write signal
CS	47	O	Tri-state	CS to EEPROM
CFRST	48	B	Tri-state	Compact Flash Card HW reset

Note: (*) RREF must be connected with a 510 Ω resistor to ground.

Pin Name	Pin#	Type	Pad Type	Description
NC	1-4, 13,14, 27-30, 51-54, 58,75, 77-80	-	-	No connection
GPIO7-8	100,5	B	Tri-state	GPIO7-8 (*)
GPIO5-6	6,7	B	Tri-state	GPIO5-6
IODD0-15	86-89, 92-95, 8-11, 16-19	B	Tri-state	IDE data bus 0 - 15
DVCC1-2	12,91	P	Power	Digital VCC
DGND1-2	15,90	P	Power	Digital ground
CBLID_	20	I	Tri-state	Cable select input
NC/ECPURD/EROMD0	21	I	Pull-low	NC: Embedded CPU mode ECPURD: Read signal when external CPU mode EROMD0: Data0 when external ROM mode
NC/ECPUWR/EROMD1	22	I	Pull-low	NC: Embedded CPU mode ECPUWR: Write signal when external CPU mode EROMD1: Data1 when external ROM mode
NC/ECPUA5/EROMD2	23	I	Pull-low	NC: Embedded CPU mode ECPUA5: Address5 when external CPU mode EROMD2: Data2 when external ROM mode
NC/ECPUA4/EROMD3	24	I	Pull-low	NC: when embedded CPU mode ECPUA4: Address4 when external CPU mode EROMD3: Data3 when external ROM mode
NC/ECPUA3/EROMD4	25	I	Pull-low	NC: Embedded CPU mode ECPUA3: Address3 when external CPU mode EROMD4: Data4 when external ROM mode
NC/ECPUA2/EROMD5	26	I	Pull-low	NC: Embedded CPU mode ECPUA2: Address2 when external CPU mode EROMD5: Data5 when external ROM mode
NC/ECPUA1/EROMD6	31	I	Pull-low	NC: Embedded CPU mode ECPUA1: Address1 when external CPU mode EROMD6: Data6 when external ROM mode
NC/ECPUA0/EROMD7	32	I	Pull-low	NC: Embedded CPU mode ECPUA0: Address0 when external CPU mode EROMD7: Data7 when external ROM mode
NC/ECPUD7/EROMD8	33	B	Pull-low	NC: Embedded CPU mode ECPUD7: Data7 when external CPU mode EROMD8: Data8 when external ROM mode
NC/ECPUD6/EROMD9	34	B	Pull-low	NC: Embedded CPU mode ECPUD6: Data6 when external CPU mode EROMD9: Data9 when external ROM mode
NC/ECPUD5/EROMD10	35	B	Pull-low	NC: Embedded CPU mode ECPUD5: Data5 when external CPU mode EROMD10: Data10 when external ROM mode

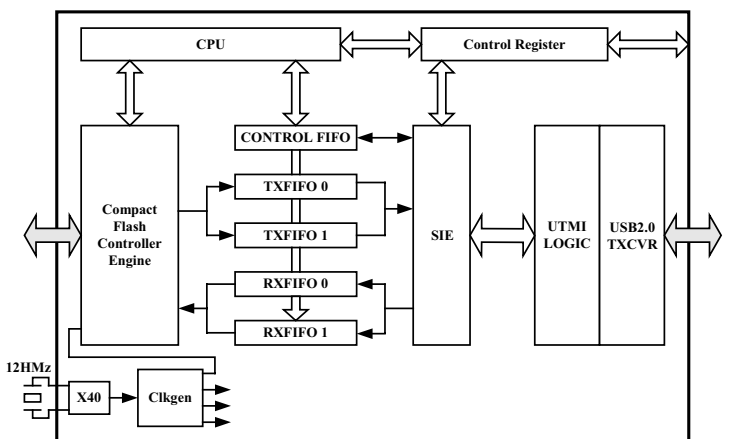
NC/ECPUD4/EROMD11	36	B	Pull-low	NC: Embedded CPU mode ECPUD4: Data4 when external CPU mode EROMD11: Data11 when external ROM mode
NC/ECPUD3/EROMD12	37	B	Pull-low	NC: Embedded CPU mode ECPUD3: Data3 when external CPU mode EROMD12: Data12 when external ROM mode
NC/ECPUD2/EROMD13	38	B	Pull-low	NC: Embedded CPU mode ECPUD2: Data2 when external CPU mode EROMD13: Data13 when external ROM mode
CS1_	39	O	Tri-state	Chip select 1
RESET#	41	I	Pull-high	Reset pin
RPU	42	A	U20mia	3.3v output
AVCC0-1	43,50	P	Power	Analog VCC
DPF	44	B	U20mia	Full speed DP
DPH	45	B	U20mia	High speed DP
DMF	46	B	U20mia	Full speed DM
DMH	47	B	U20mia	High speed DM
AGND0-1	48,57	P	Power	Analog ground
RREF	49	-	U20mia	Reference resistor connect (*)
X2	55	B	Clock	Crystal output
X1	56	I	Clock	Crystal input, 12Mhz
NC/ECPUD1/EROMA0	59	B	Pull-low	NC: Embedded CPU mode ECPUD1: Data1 when external CPU mode EROMA0: Address0 when external ROM mode
NC/ECPUD0/EROMA1	60	B	Pull-low	NC: Embedded CPU mode ECPUD0: Data0 when external CPU mode EROMA1: Address1 when external ROM mode
GPIO19	61	B	Pull-low	GPIO19
GPIO18/GPIO18/EROMA11	62	B	Pull-low	GPIO18: for embedded or external CPU mode EROMA11: Address11 when external ROM mode
GPIO17/GPIO17/EROMA10	63	B	Pull-low	GPIO17: For embedded or external CPU mode EROMA10: Address10 when external ROM mode
CS0_	64	O	Tri-state	Chip select 0
DA0-2	65,66, 40	O	Tri-state	IDE address 0-2
GPIO16/GPIO16/EROMA9	67	B	Pull-low	GPIO16: For embedded or external CPU mode EROMA9: Address9 when external ROM mode
GPIO15/GPIO15/EROMA8	68	B	Pull-low	GPIO15: For embedded or external CPU mode EROMA8: Address8 when external ROM mode
GPIO14/GPIO14/EROMA7	69	B	Pull-low	GPIO14: For embedded or external CPU mode EROMA7: Address7 when external ROM mode
GPIO13/GPIO13/EROMA6	70	B	Pull-low	GPIO13: For embedded or external CPU mode EROMA6: Address6 when external ROM mode
INTRQ	71	I	Tri-state	IDE interrupt input
DMACK_	72	O	Tri-state	IDE acknowledge

IORDY	73	I	Pull-high	IDE ready
DIOR_	74	O	Tri-state	IDE read signal
DIOW_	76	O	Tri-state	IDE write signal
GPIO12/GPIO13/EROMA5	81	B	Pull-low	GPIO12: For embedded or external CPU mode EROMA5: Address5 when external ROM mode
GPIO11/GPIO12/EROMA4	82	B	Pull-low	GPIO11: For embedded or external CPU mode EROMA4: Address4 when external ROM mode
GPIO10/GPIO10/EROMA3	83	B	Pull-low	GPIO10: For embedded or external CPU mode EROMA3: Address3 when external ROM mode
GPIO9/GPIO9/EROMA2	84	B	Pull-low	GPIO9: For embedded or external CPU mode EROMA2: Address2 when external ROM mode
DMARQ	85	I	Pull-low	IDE request
GPIO1-4	96-99	B	Pull-high	GPIO1-4

Note: (*) When operating in default mode: GPIO7 is the IDE reset input, GPIO8 is used to control the power input of IDE device.

Note:

- Type**
- O** Output
- I** Input
- B** Bi-directional
- B/I** Bi-directional, default input
- B/O** Bi-directional, default output
- P** Power / Ground
- A** Analog
- SO** Automatic output low when suspend
- pu** Internal pull up
- pd** Internal pull down
- odpu** Open drain with internal pull up

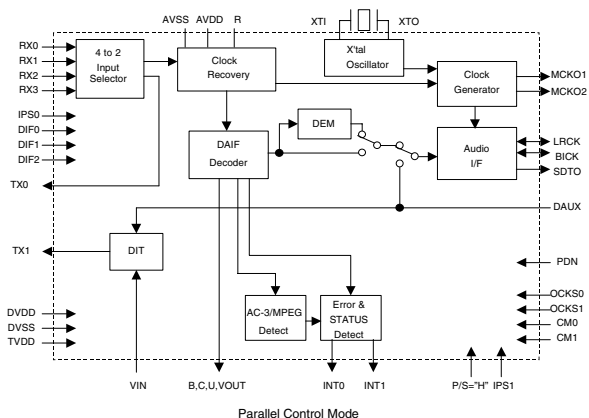
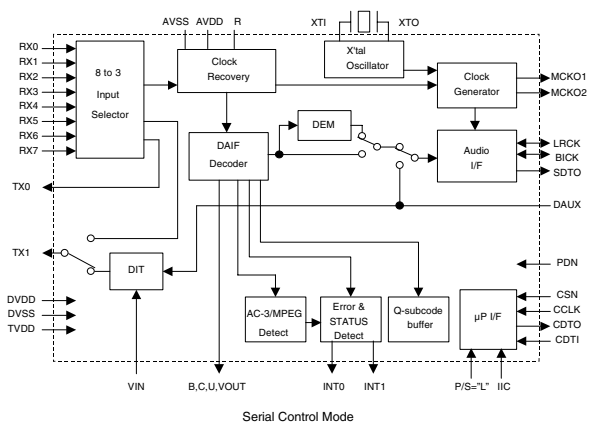


Q401 : AK4114 DIT

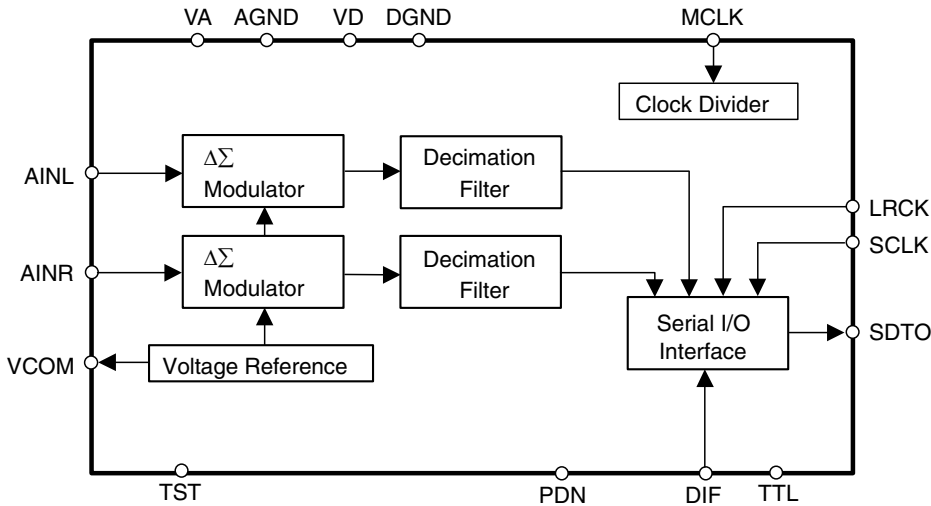
No.	Pin Name	I/O	Function
1	IPS0	I	Input Channel Select 0 Pin in Parallel Mode
	RX4	I	Receiver Channel 4 Pin in Serial Mode (Internal biased pin)
2	NC(AVSS)	I	No Connect No internal bonding. This pin should be connected to AVSS.
3	DIF0	I	Audio Data Interface Format 0 Pin in Parallel Mode
	RX5	I	Receiver Channel 5 Pin in Serial Mode (Internal biased pin)
4	TEST2	I	TEST 2 pin This pin should be connect to AVSS.
5	DIF1	I	Audio Data Interface Format 1 Pin in Parallel Mode
	RX6	I	Receiver Channel 6 Pin in Serial Mode (Internal biased pin)
6	NC(AVSS)	I	No Connect No internal bonding. This pin should be connected to AVSS.
7	DIF2	I	Audio Data Interface Format 2 Pin in Parallel Mode
	RX7	I	Receiver Channel 7 Pin in Serial Mode (Internal biased pin)
8	IPS1	I	Input Channel Select 1 Pin in Parallel Mode
	IIC I		IIC Select Pin in Serial Mode. “L”: 4-wire Serial, “H”: IIC
9	P/SN	I	Parallel/Serial Select Pin “L”: Serial Mode, “H”: Parallel Mode
10	XTL0	I	X'tal Frequency Select 0 Pin
11	XTL1	I	X'tal Frequency Select 1 Pin
12	VIN	I	V-bit Input Pin for Transmitter Output
13	TVDD	I	Input Buffer Power Supply Pin, 3.3V or 5V
14	NC	I	No Connect No internal bonding. This pin should be open or connected to DVSS.
15	TX0	O	Transmit Channel (Through Data) Output 0 Pin
16	TX1	O	When TX bit = “0”, Transmit Channel (Through Data) Output 1 Pin. When TX bit = “1”, Transmit Channel (DAUX Data) Output Pin (Default).
17	BOUT	O	Block-Start Output Pin for Receiver Input “H” during first 40 frames.
18	COUT	O	C-bit Output Pin for Receiver Input
19	UOUT	O	U-bit Output Pin for Receiver Input
20	VOUT	O	V-bit Output Pin for Receiver Input
21	DVDD	I	Digital Power Supply Pin, 3.3V
22	DVSS	I	Digital Ground Pin
23	MCKO1	O	Master Clock Output 1 Pin
24	LRCK	I/O	Channel Clock Pin
25	SDTO	O	Audio Serial Data Output Pin
26	BICK	I/O	Audio Serial Data Clock Pin
27	MCKO2	O	Master Clock Output 2 Pin
28	DAUX	I	Auxiliary Audio Data Input Pin
29	XTO	O	X'tal Output Pin
30	XTI	I	X'tal Input Pin

No.	Pin Name	I/O	Function
31	PDN	I	Power-Down Mode Pin When “L”, the AK4114 is powered-down and reset.
32	CM0	I	Master Clock Operation Mode 0 Pin in Parallel Mode
	CDTO	O	Control Data Output Pin in Serial Mode, IIC= “L”.
	CAD1	I	Chip Address 1 Pin in Serial Mode, IIC= “H”.
33	CM1	I	Master Clock Operation Mode 1 Pin in Parallel Mode
	CDTI	I	Control Data Input Pin in Serial Mode, IIC= “L”.
	SDA	I/O	Control Data Pin in Serial Mode, IIC= “H”.
34	OCKS1	I	Output Clock Select 1 Pin in Parallel Mode
	CCLK	I	Control Data Clock Pin in Serial Mode, IIC= “L”
	SCL	I	Control Data Clock Pin in Serial Mode, IIC= “H”
35	OCKS0	I	Output Clock Select 0 Pin in Parallel Mode
	CSN	I	Chip Select Pin in Serial Mode, IIC= “L”.
	CAD0	I	Chip Address 0 Pin in Serial Mode, IIC= “H”.
36	INT0	O	Interrupt 0 Pin
37	INT1	O	Interrupt 1 Pin
38	AVDD	I	Analog Power Supply Pin, 3.3V
39	R	-	External Resistor Pin 18k \pm 1% resistor should be connected to AVSS externally.
40	VCOM	-	Common Voltage Output Pin 0.47 μ F capacitor should be connected to AVSS externally.
41	AVSS	I	Analog Ground Pin
42	RX0	I	Receiver Channel 0 Pin (Internal biased pin) This channel is default in serial mode.
43	NC(AVSS)	I	No Connect No internal bonding. This pin should be connected to AVSS.
44	RX1	I	Receiver Channel 1 Pin (Internal biased pin)
45	TEST1	I	TEST 1 pin. This pin should be connected to AVSS.
46	RX2	I	Receiver Channel 2 Pin (Internal biased pin)
47	NC(AVSS)	I	No Connect No internal bonding. This pin should be connected to AVSS.
48	RX3	I	Receiver Channel 3 Pin (Internal biased pin)

Note 1. All input pins except internal biased pins should not be left floating.

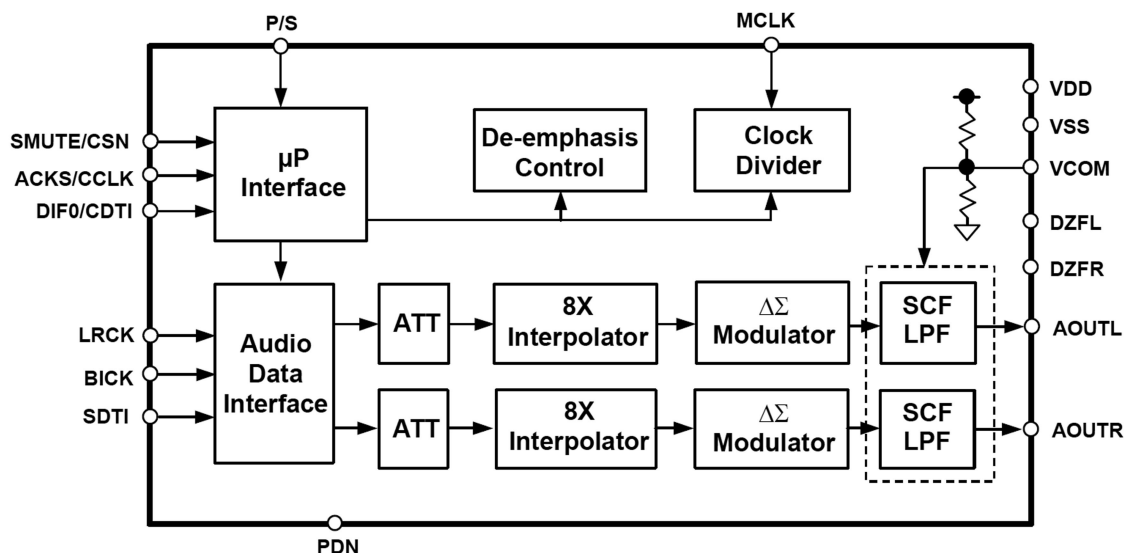


Q402:AK5380VT



No.	Pin Name	I/O	Description
1	AINR	I	Rch Analog Input Pin
2	AINL	I	Lch Analog Input Pin
3	NC	-	NC Pin No internal bonding.
4	VCOM	O	Common Voltage Output Pin Normally connected to AGND with a 0.1 μ F ceramic capacitor in parallel with an electrolytic capacitor less than 2.2 μ F.
5	AGND	-	Analog Ground Pin, 0V
6	VA	-	Analog Power Supply Pin, +4.5 to +5.5V
7	VD	-	Digital Power Supply Pin, +2.7 to +5.5V(fs=48kHz), +4.5 to +5.5V(fs=96kHz)
8	DGND	-	Digital Ground Pin, 0V
9	SDTO	O	Serial Data Output Pin Data bits are presented MSB first, in 2's complement format. This pin is "L" in the power-down mode.
10	LRCK	I	Left/Right Channel Select Pin The fs clock is input to this pin.
11	MCLK	I	Master Clock Input Pin
12	SCLK	I	Serial Data Input Pin Output data is clocked out on the falling edge of SCLK.
13	PDN	I	Power-Down Pin When "L", the circuit is in power-down mode. The AK5380 should always be reset upon power-up.
14	DIF	I	Serial Interface Format Pin "L": MSB justified, "H": I ² S
15	TTL	I	Digital Input Level Select Pin "L": CMOS level (VD=2.7 to 5.5V), "H": TTL level (VD=4.5 to 5.5V)
16	TST	I	Test Pin (Internal pull-down pin) This pin should be left open.

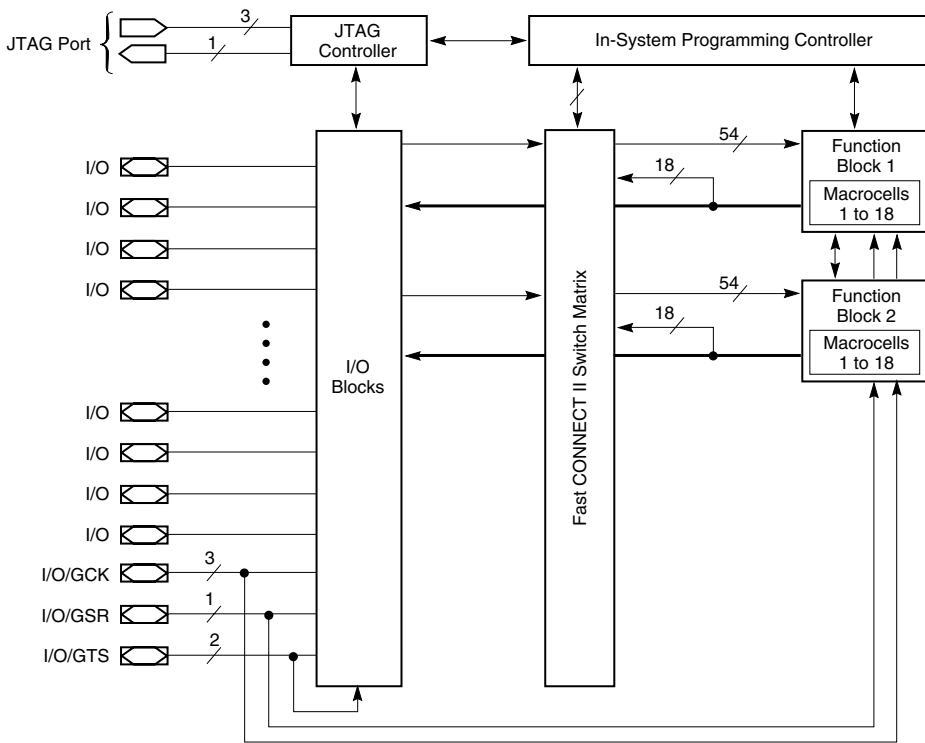
Note: All input pins except pull-down pins should not be left floating.



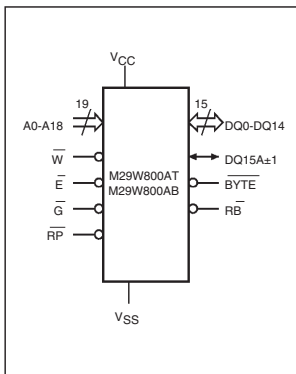
No.	Pin Name	I/O	Function
1	MCLK	I	Master Clock Input Pin An external TTL clock should be input on this pin.
2	BICK	I	Audio Serial Data Clock Pin
3	SDTI	I	Audio Serial Data Input Pin
4	LRCK	I	L/R Clock Pin
5	PDN	I	Power-Down Mode Pin When at "L", the AK4384 is in the power-down mode and is held in reset. The AK4384 should always be reset upon power-up.
6	SMUTE	I	Soft Mute Pin in parallel mode "H": Enable, "L": Disable
	CSN	I	Chip Select Pin in serial mode
7	ACKS	I	Auto Setting Mode Pin in parallel mode "L": Manual Setting Mode, "H": Auto Setting Mode
	CCLK	I	Control Data Clock Pin in serial mode
8	DIF0	I	Audio Data Interface Format Pin in parallel mode
	CDTI	I	Control Data Input Pin in serial mode
9	P/S	I	Parallel/Serial Select Pin (Internal pull-up pin) "L": Serial control mode, "H": Parallel control mode
10	AOUTR	O	Rch Analog Output Pin
11	AOUTL	O	Lch Analog Output Pin
12	VCOM	O	Common Voltage Pin, VDD/2 Normally connected to VSS with a 0.1μF ceramic capacitor in parallel with a 10μF electrolytic cap.
13	VSS	-	Ground Pin
14	VDD	-	Power Supply Pin
15	DZFR	O	Rch Data Zero Input Detect Pin
16	DZFL	O	Lch Data Zero Input Detect Pin

Note: All input pins except pull-up pin should not be left floating.

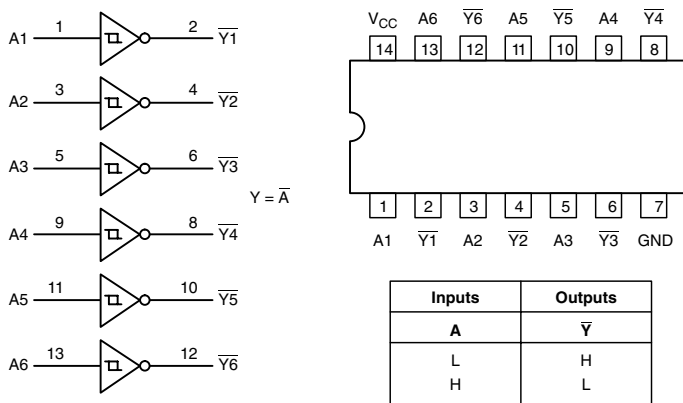
QP01:XC9536XL-VQ64-10C



QD02:M29W800AB80N5



Q808/Q809:MC74VHC14DT



QX02/QX04/QX05 : MC74LVX245DT

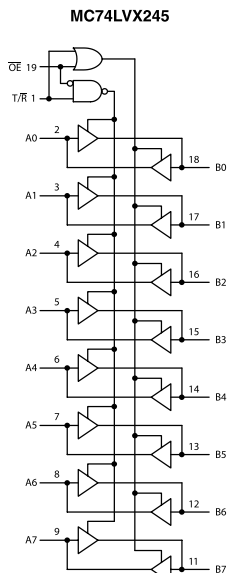
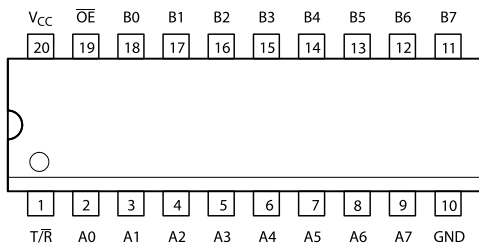


Figure 2. Logic Diagram



Pins	Function
\overline{OE}	Output Enable Input
T/R	Transmit/Receive Input
A0±A7	Side A 3±State Inputs or 3±State Outputs
B0±B7	Side B 3±State Inputs or 3±State Outputs

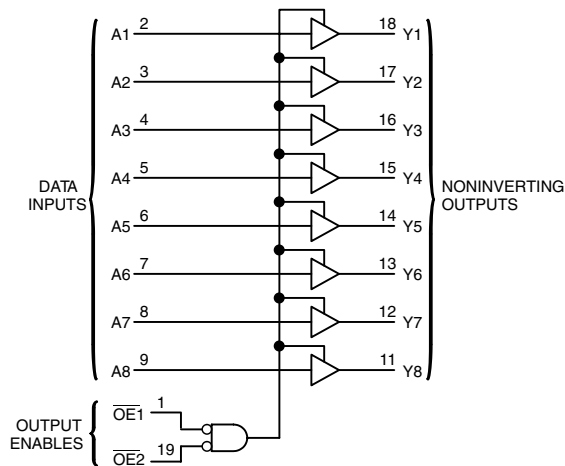
INPUTS		OPERATING MODE Non-Inverting
\overline{OE}	T/R	
L	L	B Data to A Bus
L	H	A Data to B Bus
H	X	Z

H = High Voltage Level; L = Low Voltage Level; Z = High Impedance State; X = High or Low Voltage Level and Transitions are Acceptable; For I_{CC} reasons, Do Not Float Inputs

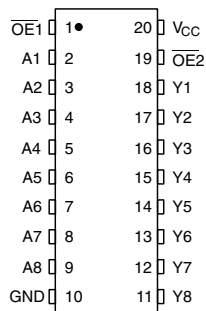
QX03 : MC74LVX541DT

MC74LVX541

LOGIC DIAGRAM



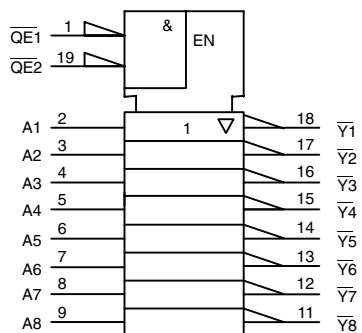
PIN ASSIGNMENT



FUNCTION TABLE

Inputs			Output Y
$\overline{OE1}$	$\overline{OE2}$	A	
L	L	L	L
L	L	H	H
H	X	X	Z
X	H	X	Z

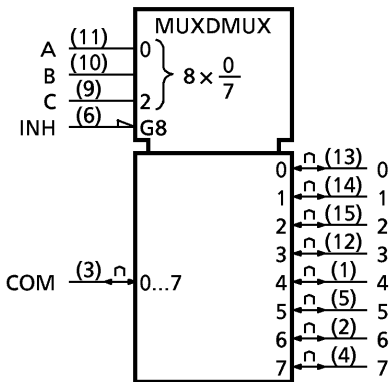
IEC LOGIC DIAGRAM



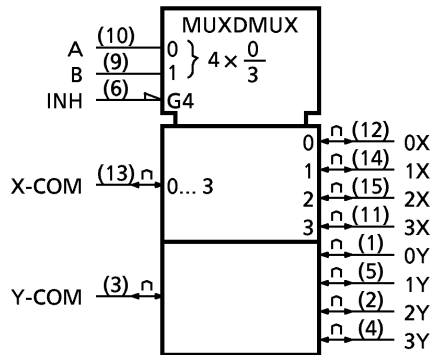
CONTROL INPUTS				"ON" CHANNEL		
INHIBIT	C*	B	A	HC4051A	HC4052A	HC4053A
L	L	L	L	0	0X, 0Y	0X,0Y,0Z
L	L	L	H	1	1X, 1Y	1X,0Y,0Z
L	L	H	L	2	2X, 2Y	0X,1Y,0Z
L	L	H	H	3	3X, 3Y	1X,1Y,0Z
L	H	L	L	4	--	0X,0Y,1Z
L	H	L	H	5	--	1X,0Y,1Z
L	H	H	L	6	--	0X,1Y,1Z
L	H	H	H	7	--	1X,1Y,1Z
H	X	X	X	NONE	NONE	NONE

X: Don't care, *: Except HC4052A

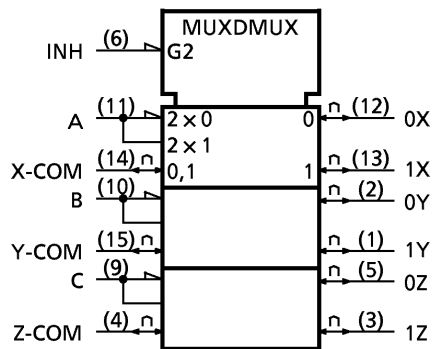
TC74HC4051A



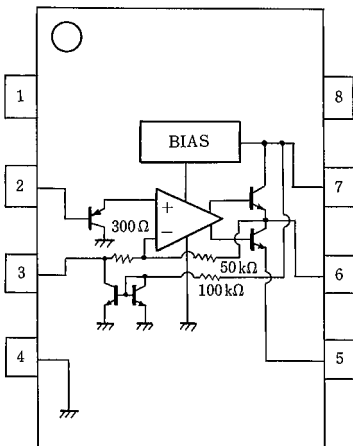
TC74HC4052A



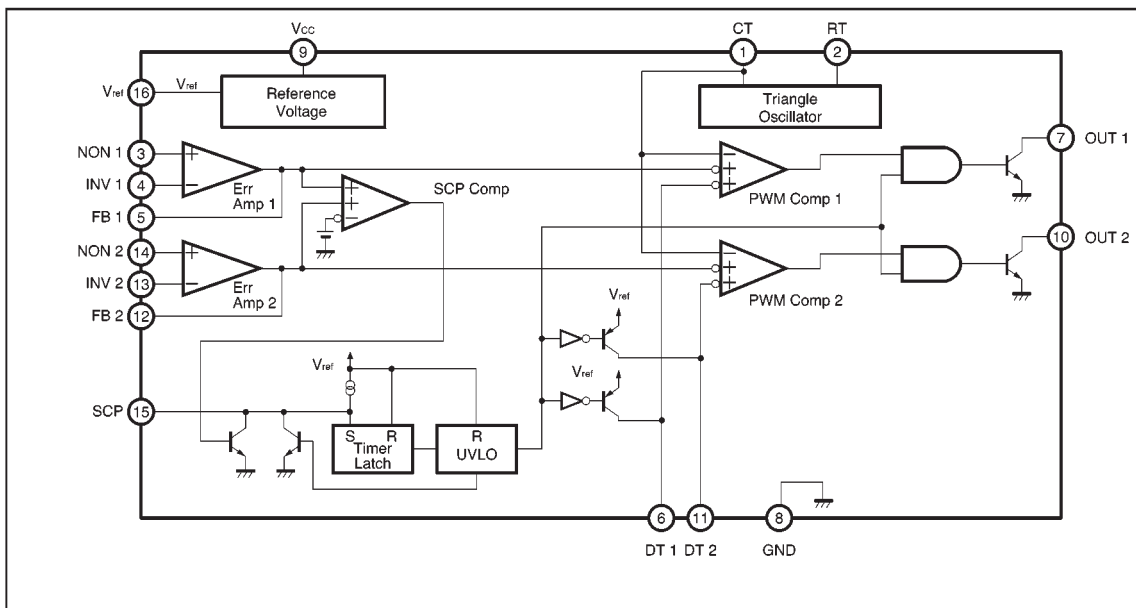
TC74HC4053A



Q305:NJM2070M

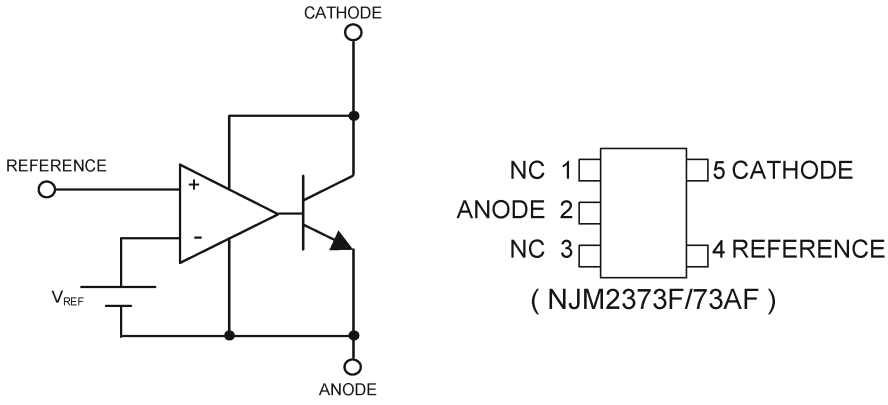


- 1. NC
- 2. +INPUT
- 3. -INPUT
- 4. GND
- 5. GND
- 6. OUTPUT
- 7. V+
- 8. NC

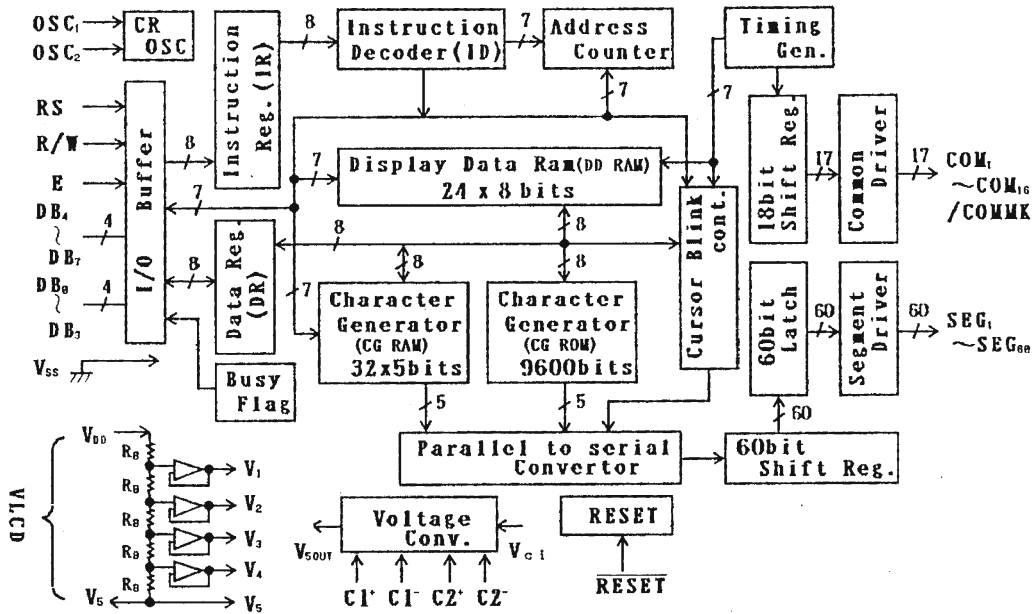


Pin No.	Pin name	Function
1	CT	External timing capacitor
2	RT	External timing resistor
3	NON1	Positive input for error amplifier 1
4	INV1	Negative input for error amplifier 1
5	FB1	Error amplifier 1 output
6	DT1	Output 1 dead time / soft start setting
7	OUT1	Output 1
8	GND	Ground
9	Vcc	Power supply
10	OUT2	Output 2
11	DT2	Output 2 dead time / soft start setting
12	FB2	Error amplifier 2 output
13	INV2	Negative input for error amplifier 2
14	NON2	Positive input for error amplifier 2
15	SCP	Time latch setting
16	Vref	Reference voltage output (2.5V)

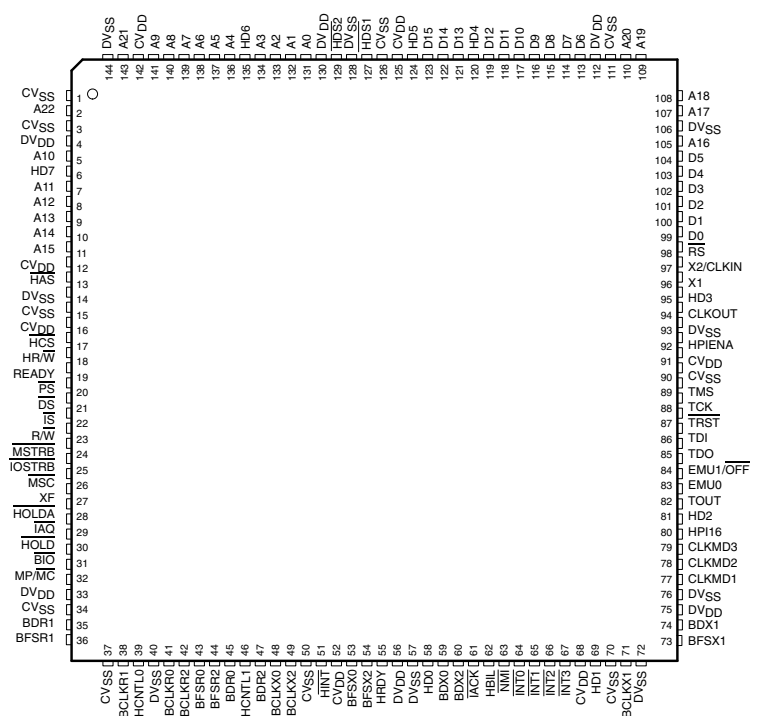
Q820 : NJM2373AF



QF01 : NJU6469LFG1



The TMS320VC5416PGE 144-pin low-profile quad flatpack (LQFP) pin assignments are shown in Figure 2-2.



Signal Descriptions

Table 2-2 lists each signal, function, and operating mode(s) grouped by function. See Section 2.2 for exact pin locations based on package type.

Table 2-2. Signal Descriptions

TERMINAL NAME	I/O†	DESCRIPTION
DATA SIGNALS		
A22 (MSB) A21 A20 A19 A18 A17 A16 A15 A14 A13 A12 A11 A10 A9 A8 A7 A6 A5 A4 A3 A2 A1 A0 (LSB)	I/O/Z‡§	Parallel address bus A22 (most significant bit (MSB)) through A0 (least significant bit (LSB)). The sixteen LSB lines, A0 to A15, are multiplexed to address external memory (program, data) or I/O. The seven MSB lines, A16 to A22, address external program space memory. A22-A0 is placed in the high-impedance state in the hold mode. A22-A0 also goes into the high-impedance state when OFF is low. A17-A0 are inputs in HPI16 mode. These pins can be used to address internal memory via the host-port interface (HPI) when the HPI16 pin is high. These pins also have Schmitt trigger inputs. The address bus has a bus holder feature that eliminates passive components and the power dissipation associated with them. The bus holder keeps the address bus at the previous logic level when the bus goes into a high-impedance state.
D15 (MSB) D14 D13 D12 D11 D10 D9 D8 D7 D6 D5 D4 D3 D2 D1 D0 (LSB)	I/O/Z‡§	Parallel data bus D15 (MSB) through D0 (LSB). D15-D0 is multiplexed to transfer data between the core CPU and external data/program memory or I/O devices or HPI in HPI16 mode (when HPI16 pin is high). D15-D0 is placed in the high-impedance state when not outputting data or when RS or HOLD is asserted. D15-D0 also goes into the high-impedance state when OFF is low. These pins also have Schmitt trigger inputs. The data bus has a bus holder feature that eliminates passive components and the power dissipation associated with them. The bus holder keeps the data bus at the previous logic level when the bus goes into the high-impedance state. The bus holders on the data bus can be enabled/disabled under software control.

† I = Input, O = Output, Z = High-impedance, S = Supply
‡ These pins have Schmitt trigger inputs.
§ This pin has an internal bus holder controlled by way of the BSCR register.
¶ This pin has an internal pullup resistor.
This pin has an internal pulldown resistor.

Table 2-2. Signal Descriptions (Continued)

TERMINAL NAME	I/O†	DESCRIPTION
INITIALIZATION, INTERRUPT AND RESET OPERATIONS		
IACK	O/Z	Interrupt acknowledge signal. IACK indicates receipt of an interrupt and that the program counter is fetching the interrupt vector location designated by A15-A0. IACK also goes into the high-impedance state when OFF is low.
INT0‡ INT1‡ INT2‡ INT3‡	I	External user interrupt inputs. INT0-INT3 are maskable and are prioritized by the interrupt mask register (IMR) and the interrupt mode bit. INT0-INT3 can be pulled and reset by way of the interrupt flag register (IFR).
NMI‡	I	Nonmaskable interrupt. NMI is an external interrupt that cannot be masked by way of the INTM or the IMR. When NMI is activated, the processor traps to the appropriate vector location.
RS‡	I	Reset. RS causes the digital signal processor (DSP) to terminate execution and forces the program counter to 0FF80h. When RS is brought to a high level, execution begins at location 0FF80h of program memory. RS affects various registers and status bits.
MP/MC	I	Microprocessor/microcomputer mode select. If active low at reset, microcomputer mode is selected, and the internal program ROM is mapped into the upper 16K words of program memory space. If the pin is driven high during reset, microprocessor mode is selected, and the on-chip ROM is removed from program space. This pin is only sampled at reset, and the MP/MC bit of the processor mode status (PMST) register can override the mode that is selected at reset.
MULTIPROCESSING SIGNALS		
BIO‡	I	Branch control. A branch can be conditionally executed when BIO is active. If low, the processor executes the conditional instruction. The BIO condition is sampled during the decode phase of the pipeline for the XC instruction, and all other instructions sample BIO during the read phase of the pipeline.
XF	O/Z	External flag output (latched software-programmable signal). XF is set high by the SSBX XF instruction, set low by RSBX XF instruction or by loading ST1. XF is used for signaling other processors in multiprocessor configurations or used as a general-purpose output pin. XF goes into the high-impedance state when OFF is low, and is set high at reset.
MEMORY CONTROL SIGNALS		
DS PS IS	O/Z	Data, program, and I/O space select signals. DS, PS, and IS are always high unless driven low for communicating to a particular external space. Active period corresponds to valid address information. DS, PS, and IS are placed into the high-impedance state in the hold mode; these signals also go into the high-impedance state when OFF is low.
MSTRB	O/Z	Memory strobe signal. MSTRB is always high unless low-level asserted to indicate an external bus access to data or program memory. MSTRB is placed in the high-impedance state in the hold mode; it also goes into the high-impedance state when OFF is low.
READY	I	Data ready. READY indicates that an external device is prepared for a bus transaction to be completed. If the device is not ready (READY is low), the processor waits one cycle and checks READY again. Note that the processor performs ready detection if at least two software wait states are programmed. The READY signal is not sampled until the completion of the software wait states.
R/W	O/Z	Read/write signal. R/W indicates transfer direction during communication to an external device. R/W is normally in the read mode (high), unless it is asserted low when the DSP performs a write operation. R/W is placed in the high-impedance state in the hold mode, and it also goes into the high-impedance state when OFF is low.
IOSTRB	O/Z	I/O strobe signal. IOSTRB is always high unless low-level asserted to indicate an external bus access to an I/O device. IOSTRB is placed in the high-impedance state in the hold mode; it also goes into the high-impedance state when OFF is low.
HOLD	I	Hold input. HOLD is asserted to request control of the address, data, and control lines. When acknowledged by the 5416, these lines go into the high-impedance state.

† I = Input, O = Output, Z = High-impedance, S = Supply
‡ These pins have Schmitt trigger inputs.
§ This pin has an internal bus holder controlled by way of the BSCR register.
¶ This pin has an internal pullup resistor.
This pin has an internal pulldown resistor.

Table 2-2. Signal Descriptions (Continued)

TERMINAL NAME	I/O†	DESCRIPTION
MEMORY CONTROL SIGNALS (CONTINUED)		
HOLDA	O/Z	Hold acknowledge. HOLDA indicates to the external circuitry that the processor is in a hold state and that the address, data, and control lines are in the high-impedance state, allowing them to be available to the external circuitry. HOLDA also goes into the high-impedance state when OFF is low.
MSC	O/Z	Microstate complete. MSC indicates completion of all software wait states. When two or more software wait states are enabled, the MSC pin goes active at the beginning of the first software wait state and goes inactive high at the beginning of the last software wait state. If connected to the READY input, MSC forces one external wait state after the last internal wait state is completed. MSC also goes into the high-impedance state when OFF is low.
IAQ	O/Z	Instruction acquisition signal. IAQ is asserted (active low) when there is an instruction address on the address bus and goes into the high-impedance state when OFF is low.
TIMER SIGNALS		
CLKOUT	O/Z	Clock output signal. CLKOUT can represent the machine-cycle rate of the CPU divided by 1, 2, 3, or 4 as configured in the bank-switching control register (BSCR). Following reset, CLKOUT represents the machine-cycle rate divided by 4.
CLKMD1‡ CLKMD2‡ CLKMD3‡	I	Clock mode select signals. CLKMD1-CLKMD3 allow the selection and configuration of different clock modes such as crystal, external clock, and PLL mode. The external CLKMD1-CLKMD3 pins are sampled to determine the desired clock generation mode while RS is low. Following reset, the clock generation mode can be reconfigured by writing to the internal clock mode register in software.
X2/CLKIN‡	I	Clock/oscillator input. If the internal oscillator is not being used, X2/CLKIN functions as the clock input. (This is revision-dependent, see Section 3.10 for additional information.)
X1	O	Output pin from the internal oscillator for the crystal. If the internal oscillator is not used, X1 should be left unconnected. X1 does not go into the high-impedance state when OFF is low. (This is revision-dependent, see Section 3.10 for additional information.)
TOUT	O/Z	Timer output. TOUT signals a pulse when the on-chip timer counts down past zero. The pulse is one CLKOUT cycle wide. TOUT also goes into the high-impedance state when OFF is low.
MULTICHANNEL BUFFERED SERIAL PORT 0 (McBSP #0), MULTICHANNEL BUFFERED SERIAL PORT 1 (McBSP #1), AND MULTICHANNEL BUFFERED SERIAL PORT 2 (McBSP #2) SIGNALS		
BCLKR0‡ BCLKR1‡ BCLKR2‡	I/O/Z	Receive clock input. BCLKR can be configured as an input or an output; it is configured as an input following reset. BCLKR serves as the serial shift clock for the buffered serial port receiver.
BDR0 BDR1 BDR2	I	Serial data receive input
BFSR0 BFSR1 BFSR2	I/O/Z	Frame synchronization pulse for receive input. BFSR can be configured as an input or an output; it is configured as an input following reset. The BFSR pulse initiates the receive data process over BDR.
BCLKX0‡ BCLKX1‡ BCLKX2‡	I/O/Z	Transmit clock. BCLKX serves as the serial shift clock for the McBSP transmitter. BCLKX can be configured as an input or an output, and is configured as an input following reset. BCLKX enters the high-impedance state when OFF goes low.
BDX0 BDX1 BDX2	O/Z	Serial data transmit output. BDX is placed in the high-impedance state when not transmitting, when RS is asserted, or when OFF is low.
BFSX0 BFSX1 BFSX2	I/O/Z	Frame synchronization pulse for transmit input/output. The BFSX pulse initiates the data transmit process over BDX. BFSX can be configured as an input or an output, and is configured as an input following reset. BFSX goes into the high-impedance state when OFF is low.

† I = Input, O = Output, Z = High-impedance, S = Supply
‡ These pins have Schmitt trigger inputs.
§ This pin has an internal bus holder controlled by way of the BSCR register.
¶ This pin has an internal pullup resistor.
This pin has an internal pulldown resistor.

Table 2-2. Signal Descriptions (Continued)

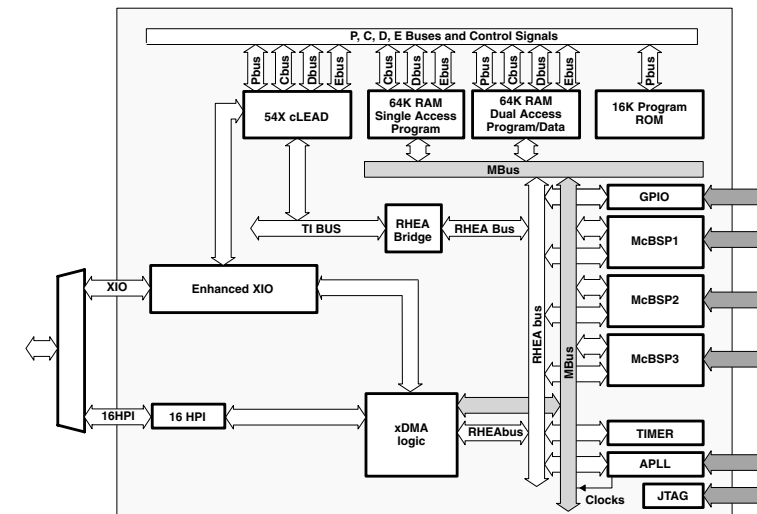
TERMINAL NAME	I/O†	DESCRIPTION
HOST-PORT INTERFACE SIGNALS		
HD0-HD7‡§	I/O/Z	Parallel bidirectional data bus. The HPI data bus is used by a host device bus to exchange information with the HPI registers. These pins can also be used as general-purpose I/O pins. HD0-HD7 is placed in the high-impedance state when not outputting data or when OFF is low. The HPI data bus includes bus holders to reduce the static power dissipation caused by floating, unused pins. When the HPI data bus is not being driven by the 5416, the bus holders keep the pins at the previous logic level. The HPI data bus holders are disabled at reset and can be enabled/disabled via the HBH bit of the BSCR. These pins also have Schmitt trigger inputs.
HCNTL0‡ HCNTL1‡	I	Control inputs. HCNTL0 and HCNTL1 select a host access to one of the three HPI registers. The control inputs have internal pullups that are only enabled when HPIENA = 0. These pins are not used when HPI16 = 1.
HBIL‡	I	Byte identification. HBIL identifies the first or second byte of transfer. The HPI input has an internal pullup resistor that is only enabled when HPIENA = 0. This pin is not used when HPI16 = 1.
HCS‡	I	Chip select. HCS is the select input for the HPI and must be driven low during accesses. The chip select input has an internal pullup resistor that is only enabled when HPIENA = 0.
HDST‡ HDS2‡	I	Data strobe. HDST and HDS2 are driven by the host read and write strobes to control the transfer. The strobe inputs have internal pullup resistors that are only enabled when HPIENA = 0.
HAS‡	I	Address strobe. Host with multiplexed address and data pins requires HAS to latch the address in the HPIA register. HAS input has an internal pullup resistor that is only enabled when HPIENA = 0.
HR/W‡	I	Read/write. HR/W controls the direction of the HPI transfer. HR/W has an internal pullup resistor that is only enabled when HPIENA = 0.
HRDY	O/Z	Ready output. HRDY goes into the high-impedance state when OFF is low. The ready output informs the host when the HPI is ready for the next transfer.
HINT	O/Z	Interrupt output. This output is used to interrupt the host. When the DSP is in reset, HINT is driven high. HINT goes into the high-impedance state when OFF is low. This pin is not used when HPI16 = 1.
HPIENA#	I	HPI module select. HPIENA must be tied to DVDD to have HPI selected. If HPIENA is left open or connected to ground, the HPI module is not selected, internal pullup for the HPI input pins are enabled, and the HPI data bus has holders set. HPIENA is provided with an internal pulldown resistor that is always active. HPIENA is sampled when RS goes high and is ignored until RS goes low again.
HPI16#	I	HPI16 mode selection
SUPPLY PINS		
CVSS	S	Ground. Dedicated ground for the core CPU
CVDD	S	+VDD. Dedicated power supply for the core CPU
DVSS	S	Ground. Dedicated ground for I/O pins
DVDD	S	+VDD. Dedicated power supply for I/O pins

† I = Input, O = Output, Z = High-impedance, S = Supply
‡ These pins have Schmitt trigger inputs.
§ This pin has an internal bus holder controlled by way of the BSCR register.
¶ This pin has an internal pullup resistor.
This pin has an internal pulldown resistor.

Table 2-2. Signal Descriptions (Continued)

TERMINAL NAME	I/O†	DESCRIPTION
TEST PINS		
TCK‡	I	IEEE standard 1149.1 test clock. TCK is normally a free-running clock signal with a 50% duty cycle. The changes on test access port (TAP) of input signals TMS and TDI are clocked into the TAP controller, instruction register, or selected test data register on the rising edge of TCK. Changes at the TAP output signal (TDO) occur on the falling edge of TCK.
TDI‡	I	IEEE standard 1149.1 test data input. Pin with internal pullup device. TDI is clocked into the selected register (instruction or data) on a rising edge of TCK.
TDO	O/Z	IEEE standard 1149.1 test data output. The contents of the selected register (instruction or data) are shifted out of TDO on the falling edge of TCK. TDO is in the high-impedance state except when the scanning of data is in progress. TDO also goes into the high-impedance state when OFF is low.
TMS‡	I	IEEE standard 1149.1 test mode select. Pin with internal pullup device. This serial control input is clocked into the TAP controller on the rising edge of TCK.
TRST#	I	IEEE standard 1149.1 test reset. TRST, when high, gives the IEEE standard 1149.1 scan system control of the operations of the device. If TRST is not connected or driven low, the device operates in its functional mode, and the IEEE standard 1149.1 signals are ignored. Pin with internal pulldown device.
EMU0	I/O/Z	Emulator 0 pin. When TRST is driven low, EMU0 must be high for activation of the OFF condition. When TRST is driven high, EMU0 is used as an interrupt to or from the emulator system and is defined as input/output by way of the IEEE standard 1149.1 scan system.
EMU1/OFF	I/O/Z	Emulator 1 pin/disable all outputs. When TRST is driven high, EMU1/OFF is used as an interrupt to or from the emulator system and is defined as input/output by way of IEEE standard 1149.1 scan system. When TRST is driven low, EMU1/OFF is configured as OFF. The EMU1/OFF signal, when active low, puts all output drivers into the high-impedance state. Note that OFF is used exclusively for testing and emulation purposes (not for multiprocessing applications). Therefore, for the OFF condition, the following apply: TRST = low, EMU0 = high EMU1/OFF = low

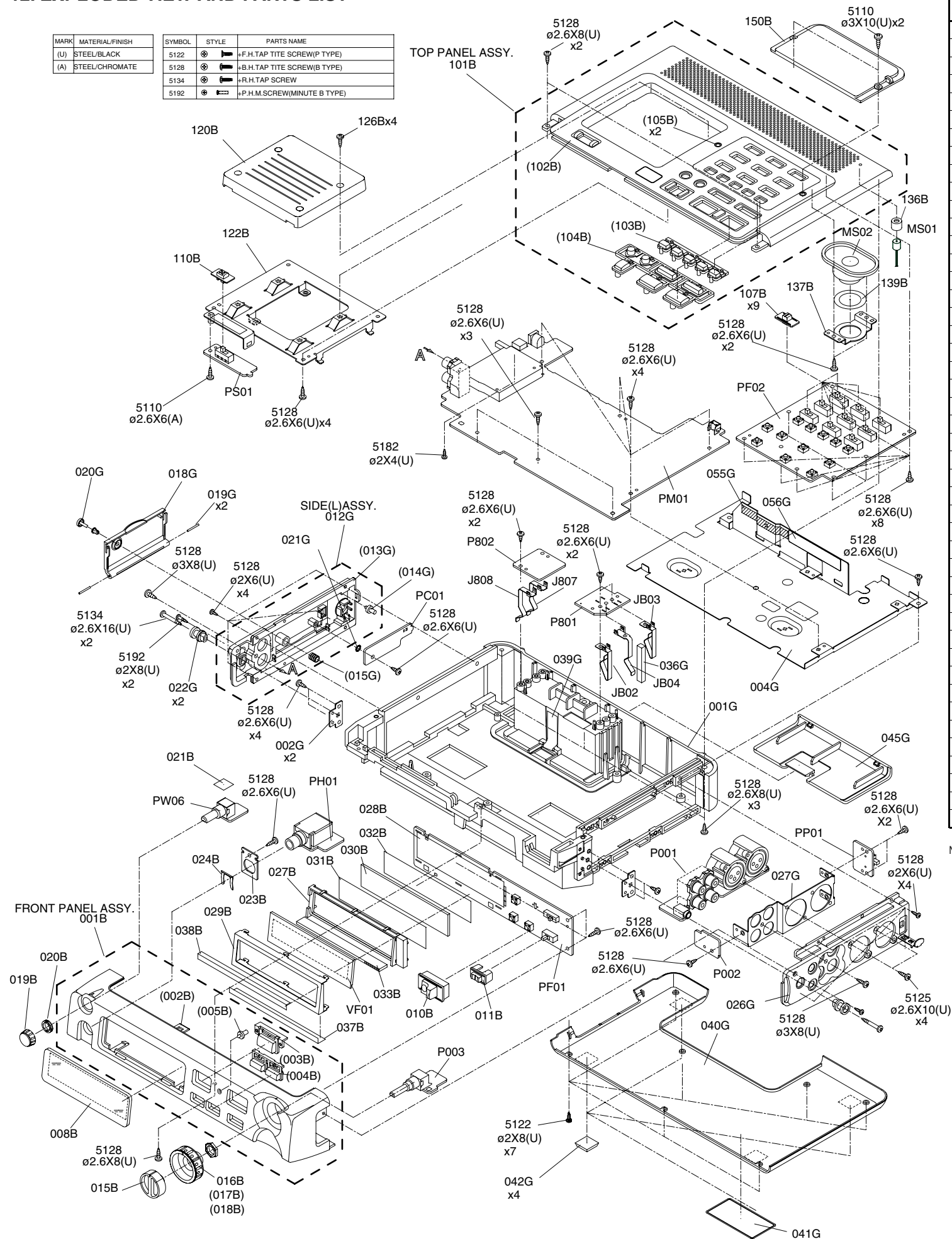
† I = Input, O = Output, Z = High-impedance, S = Supply
‡ These pins have Schmitt trigger inputs.
§ This pin has an internal bus holder controlled by way of the BSCR register.
¶ This pin has an internal pullup resistor.
This pin has an internal pulldown resistor.



TMS320VC5416 Functional Block Diagram

12. EXPLODED VIEW AND PARTS LIST

MARK	MATERIAL/FINISH	SYMBOL	STYLE	PARTS NAME
(U)	STEEL/BLACK	5122		F.H.TAP TITE SCREW(P TYPE)
(A)	STEEL/CHROMATE	5128		B.H.TAP TITE SCREW(B TYPE)
		5134		R.H.TAP SCREW
		5192		P.H.M.SCREW(MINUTE B TYPE)



PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJ)	PART NAME	DESCRIPTION
	001B		00M01BS248500	00M01BS248500	FRONT PANEL	FRONT PANEL ASSY
	008B		00M409S158020	00M409S158020	WINDOW	LCD WINDOW
	010B		00M409S154010	00M409S154010	KNOB	REC KNOB
	011B		00M409S154020	00M409S154020	KNOB	KEY LOCK
	015B		00M409S154030	00M409S154030	KNOB	REC VOL KNOB R
	016B		00M409S154560	00M409S154560	KNOB	REC VOL.. KNOB L ASSY
	019B		00M378V154050	00M378V154050	KNOB	PHONE VOL.. KNOB
	101B		00M01BS064500	00M01BS064500	CASE	TOP CASE ASSY
	107B		00M378V154030	00M378V154030	KNOB	SLIDE KNOB
	110B		00M378V154260	00M378V154260	KNOB	EJECT KNOB
	120B		00M01BS053010	00M01BS053010	COVER	UPPER COVER
	126B		00M012M010010	00M012M010010	SCREW	TORQUE SCREW (2.6X6)
	136B		00M305H056010	00M305H056010	BUFFER	MIC BUSH
	150B		00M04AS053020	00M04AS053020	COVER	SLIDE SW COVER
	001G		00M378V401120	00M378V401120	FRAME	MAIN FRAME
	012G		00M01BS249500	00M01BS249500	SIDE PANEL	SIDE PANEL(L) ASSY
	018G		00M04AS162010	00M04AS162010	DOOR	DOOR
	019G		00M04AS112010	00M04AS112010	SHAFT	SHAFT FOR DOOR
	020G		00M2912259020	00M2912259020	BUSHING	DOOR SCREW HOLE MASKING BUSH
	026G		00M01BS249010	00M01BS249010	SIDE PANEL	SIDE PANEL(R)
	040G		00M04AS257020	00M04AS257020	LID	BOTTOM COVER
	042G		00M153T057000	00M153T057000	LEG	12.2X12.2 RUBBER LEG
	045G		00M378V053030	00M378V053030	COVER	BATTERY COVER
	MS01		00MMS50000150	00MMS50000150	MIC.UNIT	ECM (MICROPHONE UNIT)
	MS02		00MQJ00508140	00MQJ00508140	SPK	4 OHM 0.5W S12E2A
	WA13		nsp	00MYU16210520	FPC	FFC 16P MAIN-TOP
	WA14		nsp	00MYU19060520	FPC	FFC 19P MAIN-FRONT
PACKING						
	001T	/F B	nsp	00M01BS851110	USER GUIDE	USER GUIDE /F
	001T	/N1B	00M01BS851250	00M01BS851250	USER GUIDE	USER GUIDE /U/N
	001T	/U1B	nsp	00M01BS851250	USER GUIDE	USER GUIDE /U/N
	002T	/N1B	00M01BS851010	00M01BS851010	USER GUIDE	CD-ROM DFU 8 LANGUAGE
	002T	/U1B	nsp	00M01BS851010	USER GUIDE	CD-ROM DFU 8 LANGUAGE
	005Z		00M377V064500	00M377V064500	CASE	BATT.CASE ASSY
	▲ 010Z	/F B	nsp	00MAA90015040	A.C ADAPTOR	SWITCHING AC ADAPTOR 15V 2.3A /F
	▲ 010Z	/N1B	00MAA90015030	00MAA90015030	A.C ADAPTOR	SWITCHING AC ADAPTOR 15V 2.3A /N/T
	▲ 010Z	/U1B	nsp	00MAA90015020	A.C ADAPTOR	SWITCHING AC ADAPTOR 15V 2.3A /U
	▲ 011Z	/N1B	00MZC01804110	00MZC01804110	MAINS CORD	MAINS CABLE FOR T
	012Z		00MZD01000940	00MZD01000940	CONN. CORD	USB(A)-USB(MINI B 5P) CORD
	018Z	/U1B	nsp	00MZK04AS0020	UNIT KIT	64MB CF CARD (RENESAS)
NOT STANDARD SPARE PARTS						
	001S		nsp	00M378V809010	CUSHION	CUSHION
	002S		nsp	00M378V809020	CUSHION	CUSHION(LID)
	003S		nsp	00M01BS801010	PACKING CASE	PKG CASE
	010S		nsp	00M01BS805010	MASS CARTON	MASTER CARTON

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

13. ELECTRICAL PARTS LIST

PARTS INFORMATION

RESISTORS

- 1) 00MGD05××× 140, Carbon film fixed resistor, ±5% 1/4W
- 2) 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.

- 3) 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.

- 4) 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. ($\frac{\square}{\square}$)

- 5) 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. ($\frac{\square}{\square}$)

- 6) 00MDF15××× 350 Plastic film capacitor
 - 00MDF15××× 310 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	XTAL : 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. (MJI)	PART NAME	DESCRIPTION
					LED PCB (00MWI01BS105-)	
PC01	DU02		00MHI10079300	00MHI10079300	L.E.D.	BR1102W CHIP LED
PC01	RU11		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PC01	RU12		nsp	00MNN05331610	CHIP RES.	330 OHM +- 5% 1/16W
PC01	SU02		00MSP01012420	00MSP01012420	PUSH SW	DETECT SW ESE11SV1
					FL PCB (00MWI01BS102-)	
PF01	CF01		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PF01	CF02		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PF01	CF03		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PF01	CF04		00MEY47502520	00MEY47502520	ELECT CAP.	4.7UF/ 25V
PF01	CF05		00MEY47502520	00MEY47502520	ELECT CAP.	4.7UF/ 25V
PF01	CF06		00MEY10601620	00MEY10601620	ELECT CAP.	10UF/ 16V
PF01	CF07		00MEY47601620	00MEY47601620	ELECT CAP.	47UF/ 16V
PF01	CF08		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PF01	CF09		nsp	00MDK98105200	CER. CAP.	1UF 10V F
PF01	CF10		nsp	00MDK96102300	CER. CAP.	1000 PF +- 10 % B 50V GR36
PF01	CF11		nsp	00MDK96102300	CER. CAP.	1000 PF +- 10 % B 50V GR36
PF01	CF12		nsp	00MDK96102300	CER. CAP.	1000 PF +- 10 % B 50V GR36
PF01	CF13		nsp	00MDK96471300	CER. CAP.	470PF (GR39)
PF01	CF14		nsp	00MDK96471300	CER. CAP.	470PF (GR39)
PF01	CF15		nsp	00MDK96471300	CER. CAP.	470PF (GR39)
PF01	CF16		nsp	00MDK96471300	CER. CAP.	470PF (GR39)
PF01	CF17		nsp	00MDK96471300	CER. CAP.	470PF (GR39)
PF01	CF18		nsp	00MDK96471300	CER. CAP.	470PF (GR39)
PF01	CF19		nsp	00MDK96471300	CER. CAP.	470PF (GR39)
PF01	CF20		nsp	00MDK96471300	CER. CAP.	470PF (GR39)
PF01	CF21		nsp	00MDK96471300	CER. CAP.	470PF (GR39)
PF01	DF01		00MHI10079300	00MHI10079300	L.E.D.	BR1102W CHIP LED
PF01	DF02		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PF01	DF03		00MHI10003980	00MHI10003980	L.E.D.	NSCW215
PF01	DF04		00MHI10003980	00MHI10003980	L.E.D.	NSCW215
PF01	DF05		00MHI10003980	00MHI10003980	L.E.D.	NSCW215
PF01	DF06		00MHI10003980	00MHI10003980	L.E.D.	NSCW215
PF01	DF07		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PF01	DF08		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PF01	DF09		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PF01	DF10		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PF01	LF01		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PF01	QF01		00MHC12243090	00MHC12243090	IC	NJU6469LFG1
PF01	QF02		00MBA21105000	00MBA21105000	SEMICON.COMP	DTC123JE,RN1105
PF01	QF04		00MBA21105000	00MBA21105000	SEMICON.COMP	DTC123JE,RN1105
PF01	QF05		00MBA21105000	00MBA21105000	SEMICON.COMP	DTC123JE,RN1105
PF01	QF06		00MBA21105000	00MBA21105000	SEMICON.COMP	DTC123JE,RN1105
PF01	QF07		00MBA21105000	00MBA21105000	SEMICON.COMP	DTC123JE,RN1105
PF01	RF01		00MNY02030160	00MNY02030160	TRIM. RES.	EVM1S/TMC3KE/RH03AD 20K OHM
PF01	RF02		nsp	00MNN05153610	CHIP RES.	15K OHM +- 5% 1/16W
PF01	RF03		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PF01	RF04		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PF01	RF05		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PF01	RF11		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PF01	RF12		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PF01	SF01		00MSS01020800	00MSS01020800	SLIDE SW	SSSS9-1-2(C) SLIDE SW
PF01	SF02		00MSS01021060	00MSS01021060	SLIDE SW	SSST01-3A
PF01	SF03		00MSP01013320	00MSP01013320	PUSH SW	TACT SWITCH SKHMPW
PF01	SF04		00MSP01013320	00MSP01013320	PUSH SW	TACT SWITCH SKHMPW
PF01	SF05		00MSP01013320	00MSP01013320	PUSH SW	TACT SWITCH SKHMPW
PF01	VF01		00MHQ21902980	00MHQ21902980	DISPLAY	LCD STN 1/18DUTY 1/5BIAS
					SWITCH PCB (00MWG01BS201-)	
PF02	DF51		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PF02	DF52		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PF02	DF53		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PF02	DF54		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PF02	DF55		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PF02	DF56		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PF02	DF57		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PF02	DF58		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
PF02	DF59		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PF02	DF60		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PF02	DF61		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PF02	DF62		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PF02	DF63		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PF02	DF64		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PF02	DF65		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PF02	DF66		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PF02	DF67		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PF02	DF68		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PF02	DF69		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PF02	DF70		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PF02	DF71		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PF02	DF72		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PF02	RF51		nsp	00MGD05103160	RES.	10K OHM + 5% 1/6W
PF02	SF51		00MSS02021680	00MSS02021680	SLIDE SW	SSSF022-S06N0
PF02	SF52		00MSS02030680	00MSS02030680	SLIDE SW	SLIDE SWITCH SSSF 2-3
PF02	SF53		00MSS02030680	00MSS02030680	SLIDE SW	SLIDE SWITCH SSSF 2-3
PF02	SF54		00MSS02030680	00MSS02030680	SLIDE SW	SLIDE SWITCH SSSF 2-3
PF02	SF55		00MSS02021680	00MSS02021680	SLIDE SW	SSSF022-S06N0
PF02	SF56		00MSS02021680	00MSS02021680	SLIDE SW	SSSF022-S06N0
PF02	SF57		00MSS02021680	00MSS02021680	SLIDE SW	SSSF022-S06N0
PF02	SF58		00MSP01013370	00MSP01013370	PUSH SW	EVQ11L05R H/5MM,160GF
PF02	SF59		00MSP01013370	00MSP01013370	PUSH SW	EVQ11L05R H/5MM,160GF
PF02	SF60		00MSP01013370	00MSP01013370	PUSH SW	EVQ11L05R H/5MM,160GF
PF02	SF61		00MSP01013370	00MSP01013370	PUSH SW	EVQ11L05R H/5MM,160GF
PF02	SF62		00MSP01013370	00MSP01013370	PUSH SW	EVQ11L05R H/5MM,160GF
PF02	SF63		00MSP01013370	00MSP01013370	PUSH SW	EVQ11L05R H/5MM,160GF
PF02	SF64		00MSP01013370	00MSP01013370	PUSH SW	EVQ11L05R H/5MM,160GF
PF02	SF65		00MSP01013370	00MSP01013370	PUSH SW	EVQ11L05R H/5MM,160GF
PF02	SF66		00MSP01013370	00MSP01013370	PUSH SW	EVQ11L05R H/5MM,160GF
PF02	SF67		00MSP01013370	00MSP01013370	PUSH SW	EVQ11L05R H/5MM,160GF
PF02	SF68		00MSP01013370	00MSP01013370	PUSH SW	EVQ11L05R H/5MM,160GF
PF02	SF69		00MSP01013370	00MSP01013370	PUSH SW	EVQ11L05R H/5MM,160GF
PF02	SF70		00MSS02021680	00MSS02021680	SLIDE SW	SSSF022-S06N0
PF02	SF71		00MSS02030680	00MSS02030680	SLIDE SW	SLIDE SWITCH SSSF 2-3
					HP JACK PCB (00MWG01BS202-)	
PH01	J304		00MYJ01004540	00MYJ01004540	JACK	HLJ5305-01-4170
					MAIN PCB (00MWI01BS101-)	
PM01	C301		nsp	00MDK96473200	CER. CAP.	0.047 UF +-10 % X7R 16V
PM01	C302		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C303		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C304		nsp	00MDK96473200	CER. CAP.	0.047 UF +-10 % X7R 16V
PM01	C305		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C306		nsp	00MDD95470300	CER. CAP.	47 PF +- 5 % CG 50V GR39
PM01	C307		nsp	00MDD95470300	CER. CAP.	47 PF +- 5 % CG 50V GR39
PM01	C308		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C309		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C310		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C311		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	C312		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	C315		nsp	00MDK96222300	CER. CAP.	2200PF (GR39)
PM01	C316		nsp	00MDK96222300	CER. CAP.	2200PF (GR39)
PM01	C318		00MEY47601620	00MEY47601620	ELECT CAP.	47UF/ 16V
PM01	C319		00MEA47702510	00MEA47702510	ELECT CAP.	470UF/ 25V
PM01	C320		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C321		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C322		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C323		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C324		nsp	00MDD95330300	CER. CAP.	33 PF +- 5 % CG 50V
PM01	C325		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C326		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C327		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C328		nsp	00MDK96102300	CER. CAP.	1000 PF +- 10 % B 50V GR36
PM01	C329		nsp	00MDK96102300	CER. CAP.	1000 PF +- 10 % B 50V GR36
PM01	C330		nsp	00MDK96224200	CER. CAP.	0.22UF +- 10% B 10V

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
PM01	C332		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C333		00MEA47701010	00MEA47701010	ELECT CAP.	470UF/ 10V
PM01	C334		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C336		nsp	00MDK96102300	CER. CAP.	1000 PF +- 10 % B 50V GR36
PM01	C337		nsp	00MDK96223200	CER. CAP.	0.022 UF +- 10 % XTR 16V
PM01	C338		00MEY10601620	00MEY10601620	ELECT CAP.	10UF/ 16V
PM01	C340		00MEA47701010	00MEA47701010	ELECT CAP.	470UF/ 10V
PM01	C342		nsp	00MDD95330300	CER. CAP.	33 PF +- 5 % CG 50V
PM01	C343		nsp	00MDD95330300	CER. CAP.	33 PF +- 5 % CG 50V
PM01	C344		nsp	00MDD95101300	CER. CAP.	100 PF +- 5 % CG 50V GR39
PM01	C345		nsp	00MDD95101300	CER. CAP.	100 PF +- 5 % CG 50V GR39
PM01	C346		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C347		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C348		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	C349		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	C350		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	C351		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	C352		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C353		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C356		nsp	00MNN05000610	CHIP RES.	0 OHM + 5% 1/16W
PM01	C357		nsp	00MDD95470300	CER. CAP.	47 PF +- 5 % CG 50V GR39
PM01	C358		nsp	00MDD95470300	CER. CAP.	47 PF +- 5 % CG 50V GR39
PM01	C401		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C402		nsp	00MDD95470300	CER. CAP.	47 PF +- 5 % CG 50V GR39
PM01	C403		nsp	00MDD95470300	CER. CAP.	47 PF +- 5 % CG 50V GR39
PM01	C404		nsp	00MDD91100300	CER. CAP.	10 PF +- 0.5 PF CH 50V GR39
PM01	C405		nsp	00MDD91100300	CER. CAP.	10 PF +- 0.5 PF CH 50V GR39
PM01	C406		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C407		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	C408		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	C409		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C410		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C412		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C413		nsp	00MDK98105200	CER. CAP.	1UF 10V F
PM01	C414		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C415		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C416		nsp	00MDK96474200	CER. CAP.	0.47UF/10V B(BJ) +-10%
PM01	C417		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C418		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C419		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C420		00MEY10601620	00MEY10601620	ELECT CAP.	10UF/ 16V
PM01	C422		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	C423		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	C424		00MEY10601620	00MEY10601620	ELECT CAP.	10UF/ 16V
PM01	C425		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	C426		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	C427		00MEY10601620	00MEY10601620	ELECT CAP.	10UF/ 16V
PM01	C428		00MEY10601670	00MEY10601670	TANTL.CAP CHIP	MSVB21C 10UF/16V
PM01	C429		00MEY10601620	00MEY10601620	ELECT CAP.	10UF/ 16V
PM01	C430		00MEY10601620	00MEY10601620	ELECT CAP.	10UF/ 16V
PM01	C432		nsp	00MDK98105200	CER. CAP.	1UF 10V F
PM01	C434		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C435		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C436		nsp	00MDK96221300	CER. CAP.	220PF (GR39)
PM01	C441		nsp	00MDK96221300	CER. CAP.	220PF (GR39)
PM01	C443		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C453		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	C454		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	C801		00MEA47702510	00MEA47702510	ELECT CAP.	470UF/ 25V
PM01	C802		00MOA22706320	00MOA22706320	ELECT. CAP.	220 UF M 63V RA-2
PM01	C803		00MEY47701020	00MEY47701020	ELECT CAP.	470UF/ 10V
PM01	C804		00MEY10701020	00MEY10701020	ELECT CAP.	100UF/ 10V
PM01	C805		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C806		00MEY22701020	00MEY22701020	ELECT CAP.	220UF/ 10V
PM01	C807		00MEY10601620	00MEY10601620	ELECT CAP.	10UF/ 16V
PM01	C808		00MEY10601620	00MEY10601620	ELECT CAP.	10UF/ 16V

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PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
PM01	C809		00MEY10601620	00MEY10601620	ELECT CAP.	10UF/ 16V
PM01	C810		00MEY10701020	00MEY10701020	ELECT CAP.	100UF/ 10V
PM01	C811		00MEY33602520	00MEY33602520	ELECT CAP.	33UF/ 25V
PM01	C812		00MEY22701020	00MEY22701020	ELECT CAP.	220UF/ 10V
PM01	C813		00MEY47405020	00MEY47405020	ELECT CAP.	0.47UF/ 50V
PM01	C814		00MEY10601620	00MEY10601620	ELECT CAP.	10UF/ 16V
PM01	C815		00MEY22701020	00MEY22701020	ELECT CAP.	220UF/ 10V
PM01	C816		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C817		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C818		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C819		nsp	00MDD95101300	CER. CAP.	100 PF +- 5 % CG 50V GR39
PM01	C820		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C821		nsp	00MDK96222300	CER. CAP.	2200PF (GR39)
PM01	C822		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C823		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C824		nsp	00MDD95470300	CER. CAP.	47 PF +- 5 % CG 50V GR39
PM01	C825		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C826		nsp	00MDK96222300	CER. CAP.	2200PF (GR39)
PM01	C827		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C828		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C829		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C830		nsp	00MDK96105200	CER. CAP.	1UF B 6.3V
PM01	C831		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C832		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C833		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C834		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C835		nsp	00MDD91100300	CER. CAP.	10 PF +- 0.5 PF CH 50V GR39
PM01	C836		nsp	00MDD91100300	CER. CAP.	10 PF +- 0.5 PF CH 50V GR39
PM01	C837		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C838		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C839		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C840		00MEY10701020	00MEY10701020	ELECT CAP.	100UF/ 10V
PM01	C841		nsp	00MDD95101300	CER. CAP.	100 PF +- 5 % CG 50V GR39
PM01	C842		nsp	00MDD95101300	CER. CAP.	100 PF +- 5 % CG 50V GR39
PM01	C843		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C844		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C845		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C848		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C849		nsp	00MDK96221300	CER. CAP.	220PF (GR39)
PM01	C850		nsp	00MDD95101300	CER. CAP.	100 PF +- 5 % CG 50V GR39
PM01	C853		nsp	00MDD91100300	CER. CAP.	10 PF +- 0.5 PF CH 50V GR39
PM01	C854		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C855		00MEY47600620	00MEY47600620	ELECT CAP.	47UF/6.3V
PM01	C856		00MEY47600620	00MEY47600620	ELECT CAP.	47UF/6.3V
PM01	C857		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C858		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C859		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C860		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C861		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C863		nsp	00MDK96221300	CER. CAP.	220PF (GR39)
PM01	C864		00MEA22702510	00MEA22702510	ELECT CAP.	220UF/ 25V
PM01	C941		00MEY47503570	00MEY47503570	TANTL.CAP CHIP	4.7UF/ 35V (6032SIZE)
PM01	CA01		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	CA02		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CA03		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	CA04		nsp	00MDD95470300	CER. CAP.	47 PF +- 5 % CG 50V GR39
PM01	CA05		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CA06		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	CA07		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	CA08		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	CA09		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	CA10		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CA11		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CA16		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CA17		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CA18		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K

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PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
PM01	CA19		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CA20		00MEY10601670	00MEY10601670	TANTL.CAP CHIP	MSVB21C 10UF/16V
PM01	CA21		00MEY10601670	00MEY10601670	TANTL.CAP CHIP	MSVB21C 10UF/16V
PM01	CA22		00MEY10601670	00MEY10601670	TANTL.CAP CHIP	MSVB21C 10UF/16V
PM01	CA23		00MEY10601670	00MEY10601670	TANTL.CAP CHIP	MSVB21C 10UF/16V
PM01	CA25		nsp	00MDD95470300	CER. CAP.	47 PF +- 5 % CG 50V GR39
PM01	CA28		nsp	00MDD95470300	CER. CAP.	47 PF +- 5 % CG 50V GR39
PM01	CA30		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CA31		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CA32		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CA33		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CA34		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CA35		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CA39		nsp	00MDD95470300	CER. CAP.	47 PF +- 5 % CG 50V GR39
PM01	CA40		nsp	00MDD95470300	CER. CAP.	47 PF +- 5 % CG 50V GR39
PM01	CA41		nsp	00MDD95470300	CER. CAP.	47 PF +- 5 % CG 50V GR39
PM01	CA42		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CA43		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CA44		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CB01		nsp	00MDD95101300	CER. CAP.	100 PF +- 5 % CG 50V GR39
PM01	CB02		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CB03		nsp	00MDD95101300	CER. CAP.	100 PF +- 5 % CG 50V GR39
PM01	CB04		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CB05		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	CB06		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CB07		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CB10		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	CB11		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	CB16		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	CB17		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	CB18		00MEY10402070	00MEY10402070	TANTL.CAP CHIP	0.1UF/ 20V
PM01	CB19		00MEY10402070	00MEY10402070	TANTL.CAP CHIP	0.1UF/ 20V
PM01	CB20		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CB21		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CB22		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CB23		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CB24		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	CB25		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	CB26		nsp	00MDK96154200	CER. CAP.	0.15UF +- 10% B 10V
PM01	CB27		nsp	00MDK96154200	CER. CAP.	0.15UF +- 10% B 10V
PM01	CB28		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CB29		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CB31		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CB32		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CB34		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	CB36		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	CB37		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	CB65		00MEY10602520	00MEY10602520	ELECT CAP.	10UF/ 25V
PM01	CB66		00MEY10602520	00MEY10602520	ELECT CAP.	10UF/ 25V
PM01	CC01		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	CC02		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	CC03		nsp	00MDD91100300	CER. CAP.	10 PF +- 0.5 PF CH 50V GR39
PM01	CC04		nsp	00MDD91100300	CER. CAP.	10 PF +- 0.5 PF CH 50V GR39
PM01	CC05		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CC06		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CC07		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	CC08		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	CC11		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CC12		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CC13		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	CC14		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	CC15		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	CC16		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	CC17		nsp	00MDD91100300	CER. CAP.	10 PF +- 0.5 PF CH 50V GR39
PM01	CC18		nsp	00MDD91100300	CER. CAP.	10 PF +- 0.5 PF CH 50V GR39
PM01	CC19		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K

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
PM01	CC20		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CC21		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	CC22		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	CC23		nsp	00MDD91100300	CER. CAP.	10 PF +- 0.5 PF CH 50V GR39
PM01	CC24		nsp	00MDD91100300	CER. CAP.	10 PF +- 0.5 PF CH 50V GR39
PM01	CC25		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CC26		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CC27		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	CC28		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	CC29		00MEY10701020	00MEY10701020	ELECT CAP.	100UF/ 10V
PM01	CC30		00MEY10701020	00MEY10701020	ELECT CAP.	100UF/ 10V
PM01	CC31		00MEY15601020	00MEY15601020	ELECT CAP.	15UF/ 10V
PM01	CC32		00MEY15601020	00MEY15601020	ELECT CAP.	15UF/ 10V
PM01	CC33		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	CC34		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CC35		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CC36		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	CC37		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	CC38		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	CC39		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF/ 10V
PM01	CC42		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CC43		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CC71		00MEY68601020	00MEY68601020	ELECT CAP.	68UF/ 10V
PM01	CC72		00MEY68601020	00MEY68601020	ELECT CAP.	68UF/ 10V
PM01	CD01		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CD03		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CD04		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CD06		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CD07		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CD08		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CD09		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CD10		nsp	00MDK98105200	CER. CAP.	1UF 10V F
PM01	CD11		nsp	00MDK98105200	CER. CAP.	1UF 10V F
PM01	CD12		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CD13		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CD14		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CD15		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CD16		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CD17		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CD18		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CD19		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CD20		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CD42		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CE01		nsp	00MDK96222300	CER. CAP.	2200PF (GR39)
PM01	CE02		nsp	00MDD95101300	CER. CAP.	100 PF +- 5 % CG 50V GR39
PM01	CE03		00MEY10701670	00MEY10701670	TANTL.CAP CHIP	100UF/ 16V
PM01	CE21		nsp	00MDK96222300	CER. CAP.	2200PF (GR39)
PM01	CE22		nsp	00MDD95101300	CER. CAP.	100 PF +- 5 % CG 50V GR39
PM01	CE23		00MEY10701670	00MEY10701670	TANTL.CAP CHIP	100UF/ 16V
PM01	CE41		nsp	00MDK96222300	CER. CAP.	2200PF (GR39)
PM01	CE42		nsp	00MDD95101300	CER. CAP.	100 PF +- 5 % CG 50V GR39
PM01	CE43		00MEY10701670	00MEY10701670	TANTL.CAP CHIP	100UF/ 16V
PM01	CE61		nsp	00MDK96222300	CER. CAP.	2200PF (GR39)
PM01	CE62		nsp	00MDD95101300	CER. CAP.	100 PF +- 5 % CG 50V GR39
PM01	CE63		00MEY10701670	00MEY10701670	TANTL.CAP CHIP	100UF/ 16V
PM01	CP01		nsp	00MDD95220300	CER. CAP.	22 PF +- 5 % CG 50V GR39
PM01	CP02		nsp	00MDD95220300	CER. CAP.	22 PF +- 5 % CG 50V GR39
PM01	CP03		nsp	00MDD95220300	CER. CAP.	22 PF +- 5 % CG 50V GR39
PM01	CP04		nsp	00MDD95220300	CER. CAP.	22 PF +- 5 % CG 50V GR39
PM01	CP05		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CP06		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CP07		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CP08		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CU02		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CU03		nsp	00MDD91100300	CER. CAP.	10 PF +- 0.5 PF CH 50V GR39
PM01	CU04		nsp	00MDD91100300	CER. CAP.	10 PF +- 0.5 PF CH 50V GR39

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
PM01	CU05		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CU06		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CU07		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CU08		00MEY10601620	00MEY10601620	ELECT CAP.	10UF/ 16V
PM01	CU09		00MEY10601620	00MEY10601620	ELECT CAP.	10UF/ 16V
PM01	CU12		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CU13		00MEY10601620	00MEY10601620	ELECT CAP.	10UF/ 16V
PM01	CU14		nsp	00MDD90040300	CER. CAP.	4 PF +- 0.25 PF CH 50V GR39
PM01	CU15		nsp	00MDD90040300	CER. CAP.	4 PF +- 0.25 PF CH 50V GR39
PM01	CU16		nsp	00MDK98105200	CER. CAP.	1UF 10V F
PM01	CU17		nsp	00MDD95101300	CER. CAP.	100 PF +- 5 % CG 50V GR39
PM01	CU18		nsp	00MDK96471300	CER. CAP.	470PF (GR39)
PM01	CU19		nsp	00MDK96471300	CER. CAP.	470PF (GR39)
PM01	CU20		nsp	00MDK96471300	CER. CAP.	470PF (GR39)
PM01	CU21		nsp	00MDK96471300	CER. CAP.	470PF (GR39)
PM01	CU22		nsp	00MDK96471300	CER. CAP.	470PF (GR39)
PM01	CU23		nsp	00MDK96471300	CER. CAP.	470PF (GR39)
PM01	CU24		nsp	00MDK96471300	CER. CAP.	470PF (GR39)
PM01	CU25		nsp	00MDK96471300	CER. CAP.	470PF (GR39)
PM01	CU26		nsp	00MDK98105200	CER. CAP.	1UF 10V F
PM01	CU27		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CU28		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CU31		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CU32		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CU33		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CU37		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CX02		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CX04		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CX05		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	CX06		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CX07		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CX09		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	CX12		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CX13		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CX14		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CX15		00MEY10601620	00MEY10601620	ELECT CAP.	10UF/ 16V
PM01	CX16		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CX17		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CX18		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CX19		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CX20		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CX21		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	CX22		00MEY10601620	00MEY10601620	ELECT CAP.	10UF/ 16V
PM01	CX34		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	D301		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PM01	D302		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PM01	D303		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PM01	D304		00MHZ30027050	00MHZ30027050	CHIP DIODE	02CZ12-Y
PM01	D305		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PM01	D801		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PM01	D802		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PM01	D803		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PM01	D804		00MHZ20061210	00MHZ20061210	CHIP DIODE	RB160L-40 TE25 SBD 40V 1A PMDS
PM01	D805		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PM01	D806		00MHZ20061210	00MHZ20061210	CHIP DIODE	RB160L-40 TE25 SBD 40V 1A PMDS
PM01	D807		00MHZ20061210	00MHZ20061210	CHIP DIODE	RB160L-40 TE25 SBD 40V 1A PMDS
PM01	D808		00MHZ20061210	00MHZ20061210	CHIP DIODE	RB160L-40 TE25 SBD 40V 1A PMDS
PM01	D809		00MHZ20012100	00MHZ20012100	CHIP DIODE	EC11FSZ 200V 1A
PM01	D810		00MHZ20061210	00MHZ20061210	CHIP DIODE	RB160L-40 TE25 SBD 40V 1A PMDS
PM01	D811		00MHZ20061210	00MHZ20061210	CHIP DIODE	RB160L-40 TE25 SBD 40V 1A PMDS
PM01	D812		00MHZ20061210	00MHZ20061210	CHIP DIODE	RB160L-40 TE25 SBD 40V 1A PMDS
PM01	D813		00MHZ20061210	00MHZ20061210	CHIP DIODE	RB160L-40 TE25 SBD 40V 1A PMDS
PM01	D814		00MHZ30021050	00MHZ30021050	CHIP DIODE	02CZ15Y
PM01	D815		00MHZ30006050	00MHZ30006050	CHIP DIODE	02CZ5.6Y
PM01	D816		00MHZ30010050	00MHZ30010050	CHIP DIODE	02CZ20Z
PM01	D817		00MHZ20061210	00MHZ20061210	CHIP DIODE	RB160L-40 TE25 SBD 40V 1A PMDS

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
PM01	D818		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PM01	D819		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PM01	D820		00MHZ21006000	00MHZ21006000	CHIP DIODE	1SS300,DAP202U UMT
PM01	D823		00MHZ20012100	00MHZ20012100	CHIP DIODE	EC11FSZ 200V 1A
PM01	D824		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PM01	DA01		00MHZ30016050	00MHZ30016050	CHIP DIODE	CHIP ZENER DIODE 02CZ6.2Z
PM01	DA02		00MHZ30016050	00MHZ30016050	CHIP DIODE	CHIP ZENER DIODE 02CZ6.2Z
PM01	DA03		00MHZ30016050	00MHZ30016050	CHIP DIODE	CHIP ZENER DIODE 02CZ6.2Z
PM01	DA04		00MHZ30016050	00MHZ30016050	CHIP DIODE	CHIP ZENER DIODE 02CZ6.2Z
PM01	DA05		00MHZ30016050	00MHZ30016050	CHIP DIODE	CHIP ZENER DIODE 02CZ6.2Z
PM01	DA06		00MHZ30016050	00MHZ30016050	CHIP DIODE	CHIP ZENER DIODE 02CZ6.2Z
PM01	DA07		00MHZ30016050	00MHZ30016050	CHIP DIODE	CHIP ZENER DIODE 02CZ6.2Z
PM01	DA08		00MHZ30016050	00MHZ30016050	CHIP DIODE	CHIP ZENER DIODE 02CZ6.2Z
PM01	DB61		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302
PM01	DB62		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302
PM01	DC01		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302
PM01	DC02		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302
PM01	DC03		00MHZ21006000	00MHZ21006000	CHIP DIODE	1SS300,DAP202U UMT
PM01	DC04		00MHZ21006000	00MHZ21006000	CHIP DIODE	1SS300,DAP202U UMT
PM01	DC05		00MHZ21006000	00MHZ21006000	CHIP DIODE	1SS300,DAP202U UMT
PM01	DC06		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PM01	DC07		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302
PM01	DC71		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302
PM01	DC72		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302
PM01	DC73		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302
PM01	DC74		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302
PM01	DD01		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302
PM01	DE01		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302
PM01	DE21		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302
PM01	DE41		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302
PM01	DE61		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302
PM01	DU01		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PM01	DU03		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PM01	DU04		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PM01	DU05		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302
PM01	DU06		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302
PM01	DU07		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PM01	DU08		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PM01	DX01		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PM01	DX02		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PM01	DX03		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302
PM01	DX51		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PM01	▲ F801		00MFS10250940	00MFS10250940	FUSE	# 2.5A/60V CCF1N2.5 TE
PM01	J401		00MYT02021130	00MYT02021130	TERMINAL	2P CINCH JACK YKC21-3255 (GOLD)
PM01	J801		00MYJ04001060	00MYJ04001060	JACK	DC JACK 2A
PM01	JU21		00MYJ14000080	00MYJ14000080	BATTERY CASE	20H-1T (CR2032 HOLDER)
PM01	JX01		00MYJ90014570	00MYJ90014570	JACK	C/F CARD HEADER 55358-5021
PM01	JX02		00MYJ90014560	00MYJ90014560	JACK	TCX0101-110100 MINI-B USB
PM01	JX03		00MZK04AS0010	00MZK04AS0010	UNIT KIT	55364-0011 C/F CARD EJECTOR
PM01	L301		00MFN31010030	00MFN31010030	EMI FILTER	BLM11B102S 1608 EMIFILTER
PM01	L302		00MFN31010030	00MFN31010030	EMI FILTER	BLM11B102S 1608 EMIFILTER
PM01	L306		00MFN31010030	00MFN31010030	EMI FILTER	BLM11B102S 1608 EMIFILTER
PM01	L307		00MFN31010030	00MFN31010030	EMI FILTER	BLM11B102S 1608 EMIFILTER
PM01	L356		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	L357		00MFN31010030	00MFN31010030	EMI FILTER	BLM11B102S 1608 EMIFILTER
PM01	L358		00MFN31010030	00MFN31010030	EMI FILTER	BLM11B102S 1608 EMIFILTER
PM01	L401		00MTP41042010	00MTP41042010	TRANSF.	PULS TRANS FOR CD
PM01	L404		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PM01	L405		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	L406		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	L407		00MFN31010030	00MFN31010030	EMI FILTER	BLM11B102S 1608 EMIFILTER
PM01	L408		00MFN31010030	00MFN31010030	EMI FILTER	BLM11B102S 1608 EMIFILTER
PM01	L801		00MLU12103010	00MLU12103010	CHIP INDUCTANCE	NL322522-100K
PM01	L802		00MLC11540170	00MLC11540170	CHOKE COIL	150UH N06DB151K
PM01	L803		00MLU83103030	00MLU83103030	CHIP INDUCTANCE	CDRH5D28 10UH +- 30%
PM01	L804		00MLU80104030	00MLU80104030	CHIP INDUCTANCE	CDRH5D28-101

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
PM01	L805		00MLU12103010	00MLU12103010	CHIP INDUCTANCE	NL322522-100K
PM01	L806		00MLU12103010	00MLU12103010	CHIP INDUCTANCE	NL322522-100K
PM01	L807		00MLU83683030	00MLU83683030	CHIP INDUCTANCE	CDRH5D28 680 68UH +- 30% 520MA
PM01	L808		00MLU12103010	00MLU12103010	CHIP INDUCTANCE	NL322522-100K
PM01	L809		00MLU83683030	00MLU83683030	CHIP INDUCTANCE	CDRH5D28 680 68UH +- 30% 520MA
PM01	L810		00MLU12103010	00MLU12103010	CHIP INDUCTANCE	NL322522-100K
PM01	L811		00MLU80473060	00MLU80473060	CHIP INDUCTANCE	D63LCB A921CY-470M
PM01	L812		00MLU80104020	00MLU80104020	CHIP INDUCTANCE	CDRH8D43-101NC
PM01	L813		00MLU80473060	00MLU80473060	CHIP INDUCTANCE	D63LCB A921CY-470M
PM01	L814		00MLC11540170	00MLC11540170	CHOKO COIL	150UH N06DB151K
PM01	LD01		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PM01	LD02		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PM01	LU02		00MFN31010030	00MFN31010030	EMI FILTER	BLM11B102S 1608 EMIFILTER
PM01	LU04		00MFN31010030	00MFN31010030	EMI FILTER	BLM11B102S 1608 EMIFILTER
PM01	LU05		00MFN31010030	00MFN31010030	EMI FILTER	BLM11B102S 1608 EMIFILTER
PM01	LU06		00MFN31010030	00MFN31010030	EMI FILTER	BLM11B102S 1608 EMIFILTER
PM01	LU07		00MFN31010030	00MFN31010030	EMI FILTER	BLM11B102S 1608 EMIFILTER
PM01	LU08		00MFN31010030	00MFN31010030	EMI FILTER	BLM11B102S 1608 EMIFILTER
PM01	LU09		00MFN31010030	00MFN31010030	EMI FILTER	BLM11B102S 1608 EMIFILTER
PM01	LU10		00MFN31010030	00MFN31010030	EMI FILTER	BLM11B102S 1608 EMIFILTER
PM01	LU11		00MFN31010030	00MFN31010030	EMI FILTER	BLM11B102S 1608 EMIFILTER
PM01	LU12		00MFN31010030	00MFN31010030	EMI FILTER	BLM11B102S 1608 EMIFILTER
PM01	LU13		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	LU14		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	LU15		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	LU16		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	LU17		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	LU18		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	LU19		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	LU20		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	LU21		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	LU22		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	LU23		00MFN31010030	00MFN31010030	EMI FILTER	BLM11B102S 1608 EMIFILTER
PM01	LU24		00MFN31010030	00MFN31010030	EMI FILTER	BLM11B102S 1608 EMIFILTER
PM01	LU25		00MFN31010030	00MFN31010030	EMI FILTER	BLM11B102S 1608 EMIFILTER
PM01	LU26		00MFN31010030	00MFN31010030	EMI FILTER	BLM11B102S 1608 EMIFILTER
PM01	LU30		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	LU33		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	LU34		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	LU36		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	LU37		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	LU38		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	LU41		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	LU42		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	LU43		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	LX02		00MFN31010030	00MFN31010030	EMI FILTER	BLM11B102S 1608 EMIFILTER
PM01	LX03		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	LX04		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	LX05		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	LX06		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	LX10		00MFN31010030	00MFN31010030	EMI FILTER	BLM11B102S 1608 EMIFILTER
PM01	Q301		00MHC10168090	00MHC10168090	IC	NJM2068V (OP-AMP)
PM01	Q302		00MHC12242090	00MHC12242090	IC	NJM022V
PM01	Q303		00MHC12242090	00MHC12242090	IC	NJM022V
PM01	Q304		00MHC12242090	00MHC12242090	IC	NJM022V
PM01	Q305		00MHC10098090	00MHC10098090	IC	NJM2070M
PM01	Q306		00MHC10045090	00MHC10045090	IC	NJM4556AM
PM01	Q307		00MHC705205Y0	00MHC705205Y0	IC	TC74HC4052AFT
PM01	Q310		00MBA21111000	00MBA21111000	SEMICON.COMP	DTC114TE,RN1111
PM01	Q311		00MBA20080210	00MBA20080210	SEMICON.COMP	DTC323TU
PM01	Q312		00MBA20080210	00MBA20080210	SEMICON.COMP	DTC323TU
PM01	Q313		00MBA20080210	00MBA20080210	SEMICON.COMP	DTC323TU
PM01	Q314		00MBA20080210	00MBA20080210	SEMICON.COMP	DTC323TU
PM01	Q315		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PM01	Q316		00MHX346721A0	00MHX346721A0	CHIP TRS.	2SC4672 Q
PM01	Q317		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)

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
PM01	Q319		00MBA20080210	00MBA20080210	SEMICON.COMP	DTC323TU
PM01	Q320		00MBA20080210	00MBA20080210	SEMICON.COMP	DTC323TU
PM01	Q321		00MBA20080210	00MBA20080210	SEMICON.COMP	DTC323TU
PM01	Q322		00MBA20080210	00MBA20080210	SEMICON.COMP	DTC323TU
PM01	Q323		00MBA20035210	00MBA20035210	SEMICON.COMP	DTC114EU
PM01	Q324		00MBA10026210	00MBA10026210	SEMICON.COMP	DTA114EU
PM01	Q327		00MBA10026210	00MBA10026210	SEMICON.COMP	DTA114EU
PM01	Q328		00MBA20035210	00MBA20035210	SEMICON.COMP	DTC114EU
PM01	Q330		00MBA10026210	00MBA10026210	SEMICON.COMP	DTA114EU
PM01	Q331		00MBA20035210	00MBA20035210	SEMICON.COMP	DTC114EU
PM01	Q332		00MBA20035210	00MBA20035210	SEMICON.COMP	DTA114EU
PM01	Q333		00MBA20035210	00MBA20035210	SEMICON.COMP	DTC114EU
PM01	Q334		00MBA20035210	00MBA20035210	SEMICON.COMP	DTC114EU
PM01	Q401		00MHC10037480	00MHC10037480	IC	AK4114 DIT
PM01	Q402		00MHC10035480	00MHC10035480	IC	ADC AK5380VT 24BIT DR=105DB
PM01	Q403		00MHC10042480	00MHC10042480	IC	AKM DAC AK4384VT
PM01	Q405		00MHC10168090	00MHC10168090	IC	NJM2068V (OP-AMP)
PM01	Q801		00MHX117971A0	00MHX117971A0	CHIP TRS.	2SA1797
PM01	Q802		00MHC10036090	00MHC10036090	IC	NJM2904M
PM01	Q803		00MHC10036090	00MHC10036090	IC	NJM2904M
PM01	Q804		00MHY10360000	00MHY10360000	CHIP FET	2SJ360
PM01	Q805		00MHC10036090	00MHC10036090	IC	NJM2904M
PM01	Q806		00MHX117971A0	00MHX117971A0	CHIP TRS.	2SA1797
PM01	Q807		00MHX117971A0	00MHX117971A0	CHIP TRS.	2SA1797
PM01	Q808		00MHC011017K0	00MHC011017K0	IC	MC74VHC14DT
PM01	Q809		00MHC011017K0	00MHC011017K0	IC	MC74VHC14DT
PM01	Q810		00MHX117971A0	00MHX117971A0	CHIP TRS.	2SA1797
PM01	Q811		00MHX117971A0	00MHX117971A0	CHIP TRS.	2SA1797
PM01	Q812		00MHX117971A0	00MHX117971A0	CHIP TRS.	2SA1797
PM01	Q813		00MHX117971A0	00MHX117971A0	CHIP TRS.	2SA1797
PM01	Q814		00MBA10026210	00MBA10026210	SEMICON.COMP	DTA114EU
PM01	Q815		00MBA10026210	00MBA10026210	SEMICON.COMP	DTA114EU
PM01	Q816		00MHC10106530	00MHC10106530	IC	S-8521D33MC-BXS
PM01	Q817		00MBA10026210	00MBA10026210	SEMICON.COMP	DTA114EU
PM01	Q818		00MHX117971A0	00MHX117971A0	CHIP TRS.	2SA1797
PM01	Q819		00MHC10226210	00MHC10226210	IC	BA9741FS-E2 2CH DC/DC
PM01	Q820		00MHC12241090	00MHC12241090	IC	NJM2373AF
PM01	Q821		00MBA21001000	00MBA21001000	SEMICON.COMP	UMW1N 2 TRANSISTORS UMT
PM01	Q822		00MHC90005090	00MHC90005090	IC	NJM78L05UA CHIP REG
PM01	Q823		00MBA10026210	00MBA10026210	SEMICON.COMP	DTA114EU
PM01	Q824		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PM01	Q825		00MHT418022B0	00MHT418022B0	TRS.	2SD1802S/T-TL
PM01	Q826		00MHX410062A0	00MHX410062A0	CHIP TRS.	2SD1006 HK HL
PM01	Q828		00MBA20035210	00MBA20035210	SEMICON.COMP	DTC114EU
PM01	Q829		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PM01	Q830		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PM01	Q831		00MHX346721A0	00MHX346721A0	CHIP TRS.	2SC4672 Q
PM01	Q832		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PM01	Q833		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PM01	Q834		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PM01	Q835		00MHX333241B0	00MHX333241B0	CHIP TRS.	2SC3324 (B)
PM01	Q836		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PM01	Q837		00MBA20021210	00MBA20021210	SEMICON.COMP	DTC144EC
PM01	Q838		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PM01	Q839		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PM01	Q840		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PM01	Q841		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PM01	Q842		00MBA20021210	00MBA20021210	SEMICON.COMP	DTC144EC
PM01	Q843		00MHX346721A0	00MHX346721A0	CHIP TRS.	2SC4672 Q
PM01	Q844		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PM01	Q845		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PM01	Q846		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PM01	Q847		00MHX346721A0	00MHX346721A0	CHIP TRS.	2SC4672 Q
PM01	Q848		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PM01	Q849		00MBA20035210	00MBA20035210	SEMICON.COMP	DTC114EU
PM01	Q850		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)

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
PM01	Q851		00MBA20021210	00MBA20021210	SEMICON.COMP	DTC144EC
PM01	Q852		00MHX117971A0	00MHX117971A0	CHIP TRS.	2SA1797
PM01	Q855		00MBA10026210	00MBA10026210	SEMICON.COMP	DTA114EU
PM01	Q856		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PM01	Q857		00MHC91A33770	00MHC91A33770	IC	RN5RZ33BA-TR
PM01	Q858		00MHC10153090	00MHC10153090	IC	NJM2360M-TE1
PM01	Q859		00MHX117971A0	00MHX117971A0	CHIP TRS.	2SA1797
PM01	Q860		00MBA21105000	00MBA21105000	SEMICON.COMP	DTC123JE,RN1105
PM01	Q861		00MBA20035210	00MBA20035210	SEMICON.COMP	DTC114EU
PM01	Q862		00MHX115762A0	00MHX115762A0	CHIP TRS.	2SA1576(FQ,FR)
PM01	Q864		00MBA20035210	00MBA20035210	SEMICON.COMP	DTC114EU
PM01	Q941		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PM01	Q942		00MBA12113000	00MBA12113000	SEMICON.COMP	DTA144TE,RN2123,UN9110
PM01	QA01		00MHC705205Y0	00MHC705205Y0	IC	TC74HC4052AFT
PM01	QA02		00MHC705205Y0	00MHC705205Y0	IC	TC74HC4052AFT
PM01	QA03		00MHC10168090	00MHC10168090	IC	NJM2068V (OP-AMP)
PM01	QA04		00MHC10168090	00MHC10168090	IC	NJM2068V (OP-AMP)
PM01	QA05		00MHC12242090	00MHC12242090	IC	NJM022V
PM01	QA06		00MHC10168090	00MHC10168090	IC	NJM2068V (OP-AMP)
PM01	QA07		00MHC10168090	00MHC10168090	IC	NJM2068V (OP-AMP)
PM01	QA08		00MHC705205Y0	00MHC705205Y0	IC	TC74HC4052AFT
PM01	QA10		00MBA20035210	00MBA20035210	SEMICON.COMP	DTC114EU
PM01	QA11		00MBA20035210	00MBA20035210	SEMICON.COMP	DTC114EU
PM01	QA12		00MBA20035210	00MBA20035210	SEMICON.COMP	DTC114EU
PM01	QA13		00MBA20080210	00MBA20080210	SEMICON.COMP	DTC323TU
PM01	QA21		00MBA20080210	00MBA20080210	SEMICON.COMP	DTC323TU
PM01	QA22		00MBA10026210	00MBA10026210	SEMICON.COMP	DTA114EU
PM01	QA23		00MBA12113000	00MBA12113000	SEMICON.COMP	DTA144TE,RN2123,UN9110
PM01	QA91		00MBA20035210	00MBA20035210	SEMICON.COMP	DTC114EU
PM01	QA92		00MHX333241B0	00MHX333241B0	CHIP TRS.	2SC3324 (B)
PM01	QA93		00MBA12113000	00MBA12113000	SEMICON.COMP	DTA144TE,RN2123,UN9110
PM01	QB03		00MHC406621Y0	00MHC406621Y0	IC	BU4066BCFV
PM01	QB04		00MHC406621Y0	00MHC406621Y0	IC	BU4066BCFV
PM01	QB05		00MHC10168090	00MHC10168090	IC	NJM2068V (OP-AMP)
PM01	QB06		00MHC405321Y0	00MHC405321Y0	IC	BU4053BCFV
PM01	QB07		00MHC12242090	00MHC12242090	IC	NJM022V
PM01	QB08		00MHC705205Y0	00MHC705205Y0	IC	TC74HC4052AFT
PM01	QB10		00MBA20035210	00MBA20035210	SEMICON.COMP	DTC114EU
PM01	QB11		00MBA20035210	00MBA20035210	SEMICON.COMP	DTC114EU
PM01	QB12		00MBA20035210	00MBA20035210	SEMICON.COMP	DTC114EU
PM01	QC01		00MHC10168090	00MHC10168090	IC	NJM2068V (OP-AMP)
PM01	QC02		00MHC405321Y0	00MHC405321Y0	IC	BU4053BCFV
PM01	QC03		00MHC405321Y0	00MHC405321Y0	IC	BU4053BCFV
PM01	QC04		00MHC10168090	00MHC10168090	IC	NJM2068V (OP-AMP)
PM01	QC05		00MHC12242090	00MHC12242090	IC	NJM022V
PM01	QC06		00MHC10168090	00MHC10168090	IC	NJM2068V (OP-AMP)
PM01	QC10		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PM01	QC11		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PM01	QC12		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PM01	QC13		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PM01	QC14		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PM01	QC15		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PM01	QC16		00MBA21113050	00MBA21113050	SEMICON.COMP	RN1113
PM01	QC17		00MBA21113050	00MBA21113050	SEMICON.COMP	RN1113
PM01	QC19		00MBA21111000	00MBA21111000	SEMICON.COMP	DTC114TE,RN1111
PM01	QC20		00MBA21111000	00MBA21111000	SEMICON.COMP	DTC114TE,RN1111
PM01	QC21		00MBA21111000	00MBA21111000	SEMICON.COMP	DTC114TE,RN1111
PM01	QC22		00MBA21111000	00MBA21111000	SEMICON.COMP	DTC114TE,RN1111
PM01	QC23		00MHX100012A0	00MHX100012A0	CHIP TRS.	2SA1586 (Y,GR) / 2SA1576A (Q,R)
PM01	QC24		00MBA12113000	00MBA12113000	SEMICON.COMP	DTA144TE,RN2123,UN9110
PM01	QC31		00MBA20080210	00MBA20080210	SEMICON.COMP	DTC323TU
PM01	QC32		00MBA20080210	00MBA20080210	SEMICON.COMP	DTC323TU
PM01	QC33		00MBA20080210	00MBA20080210	SEMICON.COMP	DTC323TU
PM01	QC34		00MBA20080210	00MBA20080210	SEMICON.COMP	DTC323TU
PM01	QC43		00MBA20035210	00MBA20035210	SEMICON.COMP	DTC114EU
PM01	QC44		00MBA10026210	00MBA10026210	SEMICON.COMP	DTA114EU

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
PM01	QC71		00MBA21111000	00MBA21111000	SEMICON.COMP	DTC114TE,RN1111
PM01	QC72		00MBA21111000	00MBA21111000	SEMICON.COMP	DTC114TE,RN1111
PM01	QC73		00MBA12113000	00MBA12113000	SEMICON.COMP	DTA144TE,RN2123,UN9110
PM01	QD01		00MHC10133370	00MHC10133370	IC	TMS320VC5416PGE-160
PM01	QD02		00MHS01BSX000	00MHS01BSX000	ONE TIME PROM	M29W800DB70N6 FLASH MEMORY
PM01	QD03		00MHC10016590	00MHC10016590	IC	M68AW512ML70ND6
PM01	QD04		00MHC10016590	00MHC10016590	IC	M68AW512ML70ND6
PM01	QD05		00MHC7008050I	00MHC7008050I	IC	TC7SET08FU
PM01	QE01		00MHF233201A0	00MHF233201A0	F.E.T.	2SK3320
PM01	QE02		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PM01	QE21		00MHF233201A0	00MHF233201A0	F.E.T.	2SK3320
PM01	QE22		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PM01	QE41		00MHF233201A0	00MHF233201A0	F.E.T.	2SK3320
PM01	QE42		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PM01	QE61		00MHF233201A0	00MHF233201A0	F.E.T.	2SK3320
PM01	QE62		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PM01	QP01		00MHS01BSX100	00MHS01BSX100	ONE TIME PROM	XC9536XL-VQ64-10C W/PROGRAM
PM01	QP02		00MHC700400Z0	00MHC700400Z0	IC	CMOS 74HCU04 FLAT
PM01	QP03		00MBA20035210	00MBA20035210	SEMICON.COMP	DTC114EU
PM01	QP04		00MBA20035210	00MBA20035210	SEMICON.COMP	DTC114EU
PM01	QU01		00MHS01BSH000	00MHS01BSH000	ONE TIME PROM	H8S/2328 HD64F2328 VTE W/PROGRAM
PM01	QU02		00MHC10227210	00MHC10227210	IC	BD4719G-TR RESET IC 1.9V
PM01	QU03		00MHC10431990	00MHC10431990	IC	AT24C04N-10SI-1.8
PM01	QU04		00MHC10036770	00MHC10036770	IC	RS5C372A-E2
PM01	QU05		00MBA20035210	00MBA20035210	SEMICON.COMP	DTC114EU
PM01	QU06		00MHC10068490	00MHC10068490	IC	PCF8574T-T (I/O EXPANDER)
PM01	QU07		00MBA20021210	00MBA20021210	SEMICON.COMP	DTC114EC
PM01	QU11		00MBA20035210	00MBA20035210	SEMICON.COMP	DTC114EU
PM01	QU12		00MBA20035210	00MBA20035210	SEMICON.COMP	DTC114EU
PM01	QU17		00MBA20035210	00MBA20035210	SEMICON.COMP	DTC114EU
PM01	QU18		00MBA10026210	00MBA10026210	SEMICON.COMP	DTA114EU
PM01	QU19		00MBA20035210	00MBA20035210	SEMICON.COMP	DTC114EU
PM01	QU20		00MBA10026210	00MBA10026210	SEMICON.COMP	DTA114EU
PM01	QX01		00MHC12260990	00MHC12260990	IC	GL813
PM01	QX03		00MHC010817K0	00MHC010817K0	IC	MC74LVX541DT
PM01	QX04		00MHC010717K0	00MHC010717K0	IC	MC74LVX245DT
PM01	QX05		00MHC010717K0	00MHC010717K0	IC	MC74LVX245DT
PM01	QX06		00MHX117971A0	00MHX117971A0	CHIP TRS.	2SA1797
PM01	QX07		00MBA20035210	00MBA20035210	SEMICON.COMP	DTC114EU
PM01	QX08		00MHX117971A0	00MHX117971A0	CHIP TRS.	2SA1797
PM01	QX09		00MBA20035210	00MBA20035210	SEMICON.COMP	DTC114EU
PM01	QX10		00MBA20035210	00MBA20035210	SEMICON.COMP	DTC114EU
PM01	QX51		00MBA20080210	00MBA20080210	SEMICON.COMP	DTC323TU
PM01	R301		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R302		nsp	00MNN05272610	CHIP RES.	2.7K OHM +- 5% 1/16W
PM01	R303		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R304		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R305		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	R306		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	R307		nsp	00MNN05223610	CHIP RES.	22K OHM +- 5% 1/16W
PM01	R308		nsp	00MNN05223610	CHIP RES.	22K OHM +- 5% 1/16W
PM01	R309		nsp	00MNN05683610	CHIP RES.	68K OHM +- 5% 1/16W
PM01	R310		nsp	00MNN05683610	CHIP RES.	68K OHM +- 5% 1/16W
PM01	R313		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	R314		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R315		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	R316		nsp	00MNN05680610	CHIP RES.	68 OHM +- 5% 1/16W
PM01	R317		nsp	00MNN05680610	CHIP RES.	68 OHM +- 5% 1/16W
PM01	R318		nsp	00MNN05680610	CHIP RES.	68 OHM +- 5% 1/16W
PM01	R319		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	R320		nsp	00MNN05680610	CHIP RES.	68 OHM +- 5% 1/16W
PM01	R321		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	R324		nsp	00MNN05393610	CHIP RES.	39K OHM +- 5% 1/16W
PM01	R327		nsp	00MNN05223610	CHIP RES.	22K OHM +- 5% 1/16W
PM01	R328		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	R329		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W

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PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
PM01	R330		nsp	00MNN05223610	CHIP RES.	22K OHM +- 5% 1/16W
PM01	R331		nsp	00MNN05223610	CHIP RES.	22K OHM +- 5% 1/16W
PM01	R332		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R333		nsp	00MNN05000610	CHIP RES.	0 OHM + 5% 1/16W
PM01	R334		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R335		nsp	00MNN05223610	CHIP RES.	22K OHM +- 5% 1/16W
PM01	R336		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PM01	R337		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	R338		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R339		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R340		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	R341		nsp	00MNN05224610	CHIP RES.	220K OHM +- 5% 1/16W
PM01	R342		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	R343		nsp	00MNN05222610	CHIP RES.	2.2K OHM +- 5% 1/16W
PM01	R344		nsp	00MNN05682610	CHIP RES.	6.8K OHM +- 5% 1/16W
PM01	R345		nsp	00MNN05333610	CHIP RES.	33K OHM +- 5% 1/16W
PM01	R346		nsp	00MNN05682610	CHIP RES.	6.8K OHM +- 5% 1/16W
PM01	R347		nsp	00MNN05153610	CHIP RES.	15K OHM +- 5% 1/16W
PM01	R348		nsp	00MNN05392610	CHIP RES.	3.9K OHM +- 5% 1/16W
PM01	R349		nsp	00MNN05682610	CHIP RES.	6.8K OHM +- 5% 1/16W
PM01	R350		00MNI05047110	00MNI05047110	CHIP RES.	4.7 OHM +- 5% 1/10W
PM01	R351		nsp	00MNN05222610	CHIP RES.	2.2K OHM +- 5% 1/16W
PM01	R352		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R353		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R354		nsp	00MNN05123610	CHIP RES.	12K OHM +- 5% 1/16W
PM01	R355		nsp	00MNN05123610	CHIP RES.	12K OHM +- 5% 1/16W
PM01	R356		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	R357		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	R358		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	R359		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	R360		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	R361		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	R362		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	R363		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	R364		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R365		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R366		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R367		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R368		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R369		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	R370		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	R371		00MNI05047110	00MNI05047110	CHIP RES.	4.7 OHM +- 5% 1/10W
PM01	R372		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	R379		nsp	00MNN05224610	CHIP RES.	220K OHM +- 5% 1/16W
PM01	R380		nsp	00MNN05224610	CHIP RES.	220K OHM +- 5% 1/16W
PM01	R381		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R382		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R384		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	R385		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	R386		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	R387		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	R388		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	R389		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	R391		nsp	00MNN05000610	CHIP RES.	0 OHM + 5% 1/16W
PM01	R392		nsp	00MNN05000610	CHIP RES.	0 OHM + 5% 1/16W
PM01	R395		nsp	00MNN05221610	CHIP RES.	220 OHM +- 5% 1/16W
PM01	R396		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	R397		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	R398		nsp	00MNN05000610	CHIP RES.	0 OHM + 5% 1/16W
PM01	R399		nsp	00MNN05000610	CHIP RES.	0 OHM + 5% 1/16W
PM01	R401		nsp	00MNN05393610	CHIP RES.	39K OHM +- 5% 1/16W
PM01	R402		nsp	00MNN05393610	CHIP RES.	39K OHM +- 5% 1/16W
PM01	R403		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PM01	R404		nsp	00MNN05223610	CHIP RES.	22K OHM +- 5% 1/16W
PM01	R405		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	R406		nsp	00MNN05000610	CHIP RES.	0 OHM + 5% 1/16W

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PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
PM01	R407		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R408		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	R409		nsp	00MNN05223610	CHIP RES.	22K OHM +- 5% 1/16W
PM01	R410		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R411		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	R412		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	R413		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PM01	R414		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	R415		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R416		nsp	00MNN05100610	CHIP RES.	10 OHM +- 5% 1/16W
PM01	R417		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R418		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R419		nsp	00MNN05750610	CHIP RES.	75 OHM +-5% 1/16W
PM01	R420		nsp	00MNN05750610	CHIP RES.	75 OHM +-5% 1/16W
PM01	R422		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	R423		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	R424		nsp	00MNN05221610	CHIP RES.	220 OHM +- 5% 1/16W
PM01	R425		00MNI05183110	00MNI05183110	CHIP RES.	18K OHM +- 5% 1/10W
PM01	R427		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R428		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R429		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R430		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R432		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PM01	R433		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PM01	R434		nsp	00MNN05100610	CHIP RES.	10 OHM +- 5% 1/16W
PM01	R435		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	R436		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PM01	R437		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R438		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	R441		nsp	00MNN05470610	CHIP RES.	47 OHM +- 5% 1/16W
PM01	R442		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	R459		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	R801		nsp	00MNN05223610	CHIP RES.	22K OHM +- 5% 1/16W
PM01	R802		00MRI05331010	00MRI05331010	CHIP RES.	330 OHM +- 5% 1W
PM01	R803		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R804		nsp	00MNN05223610	CHIP RES.	22K OHM +- 5% 1/16W
PM01	R806		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	R808		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	R809		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R810		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	R811		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	R812		nsp	00MNN05681610	CHIP RES.	680 OHM +- 5% 1/16W
PM01	R813		nsp	00MNN05681610	CHIP RES.	680 OHM +- 5% 1/16W
PM01	R814		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R815		00MNI01153110	00MNI01153110	CHIP RES.	15K OHM +- 1% 1/10W
PM01	R816		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R817		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R818		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R819		nsp	00MNN05221610	CHIP RES.	220 OHM +- 5% 1/16W
PM01	R820		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R821		nsp	00MNN05221610	CHIP RES.	220 OHM +- 5% 1/16W
PM01	R822		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R823		nsp	00MNN05105610	CHIP RES.	1M OHM +- 5% 1/16W
PM01	R824		00MNI01153110	00MNI01153110	CHIP RES.	15K OHM +- 1% 1/10W
PM01	R825		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R826		00MNI01103110	00MNI01103110	CHIP RES.	10K OHM +- 1% 1/10W
PM01	R827		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	R828		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R829		00MNI01152110	00MNI01152110	CHIP RES.	1.5K OHM +- 1% 1/10W
PM01	R830		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R832		nsp	00MNN05221610	CHIP RES.	220 OHM +- 5% 1/16W
PM01	R833		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R834		nsp	00MNN05222610	CHIP RES.	2.2K OHM +- 5% 1/16W
PM01	R835		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	R836		00MNI01103110	00MNI01103110	CHIP RES.	10K OHM +- 1% 1/10W
PM01	R837		nsp	00MNN05221610	CHIP RES.	220 OHM +- 5% 1/16W

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PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
PM01	R838		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	R839		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R840		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R841		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R842		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	R843		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R844		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PM01	R845		nsp	00MNN05471610	CHIP RES.	470 OHM +- 5% 1/16W
PM01	R846		nsp	00MNN05153610	CHIP RES.	15K OHM +- 5% 1/16W
PM01	R847		00MNH05010140	00MNH05010140	FUSIBLE RES.	1 OHM J 1/4W
PM01	R848		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	R849		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R850		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R851		00MNI01104110	00MNI01104110	CHIP RES.	100K OHM +- 1% 1/10W
PM01	R852		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R853		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R854		00MNI01103110	00MNI01103110	CHIP RES.	10K OHM +- 1% 1/10W
PM01	R855		00MNI01103110	00MNI01103110	CHIP RES.	10K OHM +- 1% 1/10W
PM01	R856		nsp	00MNN05471610	CHIP RES.	470 OHM +- 5% 1/16W
PM01	R857		00MNI05010110	00MNI05010110	CHIP RES.	1 OHM +- 5% 1/10W
PM01	R858		nsp	00MNN05105610	CHIP RES.	1M OHM +- 5% 1/16W
PM01	R860		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R861		00MNI01103110	00MNI01103110	CHIP RES.	10K OHM +- 1% 1/10W
PM01	R862		00MNI05154110	00MNI05154110	CHIP RES.	150K OHM +- 5% 1/10W
PM01	R863		00MNI01182110	00MNI01182110	CHIP RES.	1.8K OHM +- 1% 1/10W
PM01	R864		00MNI01103110	00MNI01103110	CHIP RES.	10K OHM +- 1% 1/10W
PM01	R865		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R866		nsp	00MNN05224610	CHIP RES.	220K OHM +- 5% 1/16W
PM01	R867		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R868		nsp	00MNN05223610	CHIP RES.	22K OHM +- 5% 1/16W
PM01	R869		00MNI01223110	00MNI01223110	CHIP RES.	22K OHM +- 1% 1/10W
PM01	R871		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R872		nsp	00MNN05393610	CHIP RES.	39K OHM +- 5% 1/16W
PM01	R873		00MNI01103110	00MNI01103110	CHIP RES.	10K OHM +- 1% 1/10W
PM01	R875		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	R878		nsp	00MNN05183610	CHIP RES.	18K OHM +- 5% 1/16W
PM01	R879		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PM01	R880		nsp	00MNN05152610	CHIP RES.	1.5K OHM +- 5% 1/16W
PM01	R882		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R883		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R884		00MNI01222110	00MNI01222110	CHIP RES.	2.2K OHM +- 1% 1/10W
PM01	R885		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	R886		00MNI01103110	00MNI01103110	CHIP RES.	10K OHM +- 1% 1/10W
PM01	R887		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PM01	R888		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	R890		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R891		00MNI01104110	00MNI01104110	CHIP RES.	100K OHM +- 1% 1/10W
PM01	R892		nsp	00MNN05152610	CHIP RES.	1.5K OHM +- 5% 1/16W
PM01	R893		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R894		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	R895		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R896		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R897		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R898		00MNI05000110	00MNI05000110	CHIP RES.	0 OHM +- 5% 1/10W
PM01	R899		00MNI01103110	00MNI01103110	CHIP RES.	10K OHM +- 1% 1/10W
PM01	R900		nsp	00MNN05393610	CHIP RES.	39K OHM +- 5% 1/16W
PM01	R901		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R902		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R903		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	R904		00MNI01153110	00MNI01153110	CHIP RES.	15K OHM +- 1% 1/10W
PM01	R905		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R906		00MNI01224110	00MNI01224110	CHIP RES.	220K OHM +- 1% 1/10W
PM01	R907		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R908		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	R910		nsp	00MNN05183610	CHIP RES.	18K OHM +- 5% 1/16W
PM01	R911		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W

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PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
PM01	R912		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	R913		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R914		00MNI01333110	00MNI01333110	CHIP RES.	33K OHM +- 1% 1/10W
PM01	R915		nsp	00MNN05471610	CHIP RES.	470 OHM +- 5% 1/16W
PM01	R916		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	R917		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R918		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	R920		nsp	00MNN05105610	CHIP RES.	1M OHM +- 5% 1/16W
PM01	R921		nsp	00MNN05105610	CHIP RES.	1M OHM +- 5% 1/16W
PM01	R922		nsp	00MNN05105610	CHIP RES.	1M OHM +- 5% 1/16W
PM01	R923		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	R924		00MNI01123110	00MNI01123110	CHIP RES.	12K OHM +- 1% 1/10W
PM01	R925		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	R926		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R927		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R928		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	R929		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R931		nsp	00MNN05105610	CHIP RES.	1M OHM +- 5% 1/16W
PM01	R932		nsp	00MNN05471610	CHIP RES.	470 OHM +- 5% 1/16W
PM01	R933		nsp	00MNN05124610	CHIP RES.	120K OHM +- 5% 1/16W
PM01	R934		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PM01	R935		nsp	00MNN05123610	CHIP RES.	12K OHM +- 5% 1/16W
PM01	R936		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R937		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	R938		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	R941	/F B	nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R941	/N1B	nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R941	/U1B	nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	R942		nsp	00MNN05223610	CHIP RES.	22K OHM +- 5% 1/16W
PM01	R943		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	R944		00MNI05010110	00MNI05010110	CHIP RES.	1 OHM +- 5% 1/10W
PM01	R945		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	R946		00MNI05010110	00MNI05010110	CHIP RES.	1 OHM +- 5% 1/10W
PM01	R947		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RA01		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RA02		nsp	00MNN05222610	CHIP RES.	2.2K OHM +- 5% 1/16W
PM01	RA03		nsp	00MNN05100610	CHIP RES.	10 OHM +- 5% 1/16W
PM01	RA04		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RA05		nsp	00MNN05471610	CHIP RES.	470 OHM +- 5% 1/16W
PM01	RA06		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RA07		nsp	00MNN05822610	CHIP RES.	8.2K OHM +- 5% 1/16W
PM01	RA08		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RA09		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RA10		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RA11		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RA12		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RA13		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RA14		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	RA15		nsp	00MNN05222610	CHIP RES.	2.2K OHM +- 5% 1/16W
PM01	RA16		nsp	00MNN05222610	CHIP RES.	2.2K OHM +- 5% 1/16W
PM01	RA17		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RA18		nsp	00MNN05221610	CHIP RES.	220 OHM +- 5% 1/16W
PM01	RA19		nsp	00MNN05222610	CHIP RES.	2.2K OHM +- 5% 1/16W
PM01	RA20		nsp	00MNN05222610	CHIP RES.	2.2K OHM +- 5% 1/16W
PM01	RA21		nsp	00MNN05221610	CHIP RES.	220 OHM +- 5% 1/16W
PM01	RA22		nsp	00MNN05221610	CHIP RES.	220 OHM +- 5% 1/16W
PM01	RA23		nsp	00MNN05221610	CHIP RES.	220 OHM +- 5% 1/16W
PM01	RA25		nsp	00MNN05100610	CHIP RES.	10 OHM +- 5% 1/16W
PM01	RA26		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RA27		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RA28		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RA29		00MNI05470110	00MNI05470110	CHIP RES.	47 OHM +- 5% 1/10W
PM01	RA30		00MNI05470110	00MNI05470110	CHIP RES.	47 OHM +- 5% 1/10W
PM01	RA31		00MNI05470110	00MNI05470110	CHIP RES.	47 OHM +- 5% 1/10W
PM01	RA32		00MNI05470110	00MNI05470110	CHIP RES.	47 OHM +- 5% 1/10W
PM01	RA33		nsp	00MNN05224610	CHIP RES.	220K OHM +- 5% 1/16W

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PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
PM01	RA34		nsp	00MNN05224610	CHIP RES.	220K OHM +- 5% 1/16W
PM01	RA35		nsp	00MNN05224610	CHIP RES.	220K OHM +- 5% 1/16W
PM01	RA36		nsp	00MNN05224610	CHIP RES.	220K OHM +- 5% 1/16W
PM01	RA37		nsp	00MNN05224610	CHIP RES.	220K OHM +- 5% 1/16W
PM01	RA38		nsp	00MNN05224610	CHIP RES.	220K OHM +- 5% 1/16W
PM01	RA39		nsp	00MNN05224610	CHIP RES.	220K OHM +- 5% 1/16W
PM01	RA40		nsp	00MNN05224610	CHIP RES.	220K OHM +- 5% 1/16W
PM01	RA46		00MNI01103110	00MNI01103110	CHIP RES.	10K OHM +- 1% 1/10W
PM01	RA49		00MNI01103110	00MNI01103110	CHIP RES.	10K OHM +- 1% 1/10W
PM01	RA51		nsp	00MNN05222610	CHIP RES.	2.2K OHM +- 5% 1/16W
PM01	RA52		nsp	00MNN05222610	CHIP RES.	2.2K OHM +- 5% 1/16W
PM01	RA57		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	RA58		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	RA59		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	RA60		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	RA61		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	RA62		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	RA63		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	RA64		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	RA65		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	RA66		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	RA67		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	RA68		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	RA69		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	RA70		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RA71		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RA81		nsp	00MNN05471610	CHIP RES.	470 OHM +- 5% 1/16W
PM01	RA82		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RA91		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PM01	RA92		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RA93		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RA94		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RB01		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RB02		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RB03		nsp	00MNN05332610	CHIP RES.	3.3K OHM +- 5% 1/16W
PM01	RB04		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RB05		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RB06		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	RB07		nsp	00MNN05332610	CHIP RES.	3.3K OHM +- 5% 1/16W
PM01	RB08		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RB13		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	RB14		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	RB15		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	RB16		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	RB17		nsp	00MNN05224610	CHIP RES.	220K OHM +- 5% 1/16W
PM01	RB18		nsp	00MNN05224610	CHIP RES.	220K OHM +- 5% 1/16W
PM01	RB19		nsp	00MNN05224610	CHIP RES.	220K OHM +- 5% 1/16W
PM01	RB20		nsp	00MNN05224610	CHIP RES.	220K OHM +- 5% 1/16W
PM01	RB21		nsp	00MNN05333610	CHIP RES.	33K OHM +- 5% 1/16W
PM01	RB22		nsp	00MNN05333610	CHIP RES.	33K OHM +- 5% 1/16W
PM01	RB23		nsp	00MNN05224610	CHIP RES.	220K OHM +- 5% 1/16W
PM01	RB24		nsp	00MNN05224610	CHIP RES.	220K OHM +- 5% 1/16W
PM01	RB25		nsp	00MNN05224610	CHIP RES.	220K OHM +- 5% 1/16W
PM01	RB26		nsp	00MNN05224610	CHIP RES.	220K OHM +- 5% 1/16W
PM01	RB27		nsp	00MNN05224610	CHIP RES.	220K OHM +- 5% 1/16W
PM01	RB28		nsp	00MNN05100610	CHIP RES.	10 OHM +- 5% 1/16W
PM01	RB30		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RB31		nsp	00MNN05100610	CHIP RES.	10 OHM +- 5% 1/16W
PM01	RB33		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RB34		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RB36		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RB38		nsp	00MNN05474610	CHIP RES.	470K OHM +- 5% 1/16W
PM01	RB39		nsp	00MNN05474610	CHIP RES.	470K OHM +- 5% 1/16W
PM01	RB40		nsp	00MNN05474610	CHIP RES.	470K OHM +- 5% 1/16W
PM01	RB45		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	RB46		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W

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PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
PM01	RB73		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RB74		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RB75		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RB76		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RB77		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	RB78		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	RB91		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	RB92		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	RC01		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PM01	RC02		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PM01	RC03		nsp	00MNN05822610	CHIP RES.	8.2K OHM +- 5% 1/16W
PM01	RC04		nsp	00MNN05822610	CHIP RES.	8.2K OHM +- 5% 1/16W
PM01	RC05		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RC06		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RC07		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RC08		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RC11		nsp	00MNN05392610	CHIP RES.	3.9K OHM +- 5% 1/16W
PM01	RC12		nsp	00MNN05392610	CHIP RES.	3.9K OHM +- 5% 1/16W
PM01	RC13		nsp	00MNN05561610	CHIP RES.	560 OHM +- 5% 1/16W
PM01	RC14		nsp	00MNN05561610	CHIP RES.	560 OHM +- 5% 1/16W
PM01	RC15		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	RC16		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	RC17		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RC18		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RC19		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	RC20		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	RC21		nsp	00MNN05224610	CHIP RES.	220K OHM +- 5% 1/16W
PM01	RC22		nsp	00MNN05224610	CHIP RES.	220K OHM +- 5% 1/16W
PM01	RC23		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RC24		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RC25		nsp	00MNN05182610	CHIP RES.	1.8K OHM +- 5% 1/16W
PM01	RC26		nsp	00MNN05182610	CHIP RES.	1.8K OHM +- 5% 1/16W
PM01	RC27		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PM01	RC28		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PM01	RC29		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RC30		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RC35		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RC36		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RC37		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RC38		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RC39		nsp	00MNN05223610	CHIP RES.	22K OHM +- 5% 1/16W
PM01	RC40		nsp	00MNN05223610	CHIP RES.	22K OHM +- 5% 1/16W
PM01	RC41		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PM01	RC42		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PM01	RC43		nsp	00MNN05153610	CHIP RES.	15K OHM +- 5% 1/16W
PM01	RC44		nsp	00MNN05153610	CHIP RES.	15K OHM +- 5% 1/16W
PM01	RC45		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	RC46		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	RC47		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PM01	RC48		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PM01	RC49		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	RC50		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	RC51		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	RC52		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	RC53		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	RC54		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	RC55		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RC56		nsp	00MNN05105610	CHIP RES.	1M OHM +- 5% 1/16W
PM01	RC57		nsp	00MNN05105610	CHIP RES.	1M OHM +- 5% 1/16W
PM01	RC58		nsp	00MNN05474610	CHIP RES.	470K OHM +- 5% 1/16W
PM01	RC59		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RC60		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RC61		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RC62		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RC63		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	RC71		nsp	00MNN05101610	CHIP RES.	100 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. (MJI)	PART NAME	DESCRIPTION
PM01	RC72		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	RC73		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	RC74		nsp	00MNN05105610	CHIP RES.	1M OHM +- 5% 1/16W
PM01	RC75		nsp	00MNN05105610	CHIP RES.	1M OHM +- 5% 1/16W
PM01	RC76		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RC79		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	RC80		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	RC81		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	RC82		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	RC87		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	RC88		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	RC89		nsp	00MNN05561610	CHIP RES.	560 OHM +- 5% 1/16W
PM01	RC90		nsp	00MNN05561610	CHIP RES.	560 OHM +- 5% 1/16W
PM01	RC91		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RC92		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RD01		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	RD03		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	RD04		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	RD05		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PM01	RD06		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	RD07		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	RD08		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	RD09		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	RD10		nsp	00MNN05330610	CHIP RES.	33 OHM +- 5% 1/16W
PM01	RD11		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RD12		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RD13		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RD14		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	RD15		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	RD16		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PM01	RD17		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	RD18		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RD19		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PM01	RD21		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PM01	RD23		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PM01	RD24		00MFN31010030	00MFN31010030	EMI FILTER	BLM11B102S 1608 EMIFILTER
PM01	RD26		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	RD31		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	RD32		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RD34		00MFN31010030	00MFN31010030	EMI FILTER	BLM11B102S 1608 EMIFILTER
PM01	RD41	/F B	nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	RD41	/N1B	nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	RD41	/U1B	nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	RD42		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	RD44		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	RE01		nsp	00MNN05223610	CHIP RES.	22K OHM +- 5% 1/16W
PM01	RE02		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	RE03		nsp	00MNN05122610	CHIP RES.	1.2K OHM +- 5% 1/16W
PM01	RE04		nsp	00MNN05122610	CHIP RES.	1.2K OHM +- 5% 1/16W
PM01	RE05		nsp	00MNN05100610	CHIP RES.	10 OHM +- 5% 1/16W
PM01	RE06		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	RE07		nsp	00MNN05123610	CHIP RES.	12K OHM +- 5% 1/16W
PM01	RE08		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	RE09		nsp	00MNN05562610	CHIP RES.	5.6K OHM +- 5% 1/16W
PM01	RE21		nsp	00MNN05223610	CHIP RES.	22K OHM +- 5% 1/16W
PM01	RE22		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	RE23		nsp	00MNN05122610	CHIP RES.	1.2K OHM +- 5% 1/16W
PM01	RE24		nsp	00MNN05122610	CHIP RES.	1.2K OHM +- 5% 1/16W
PM01	RE25		nsp	00MNN05100610	CHIP RES.	10 OHM +- 5% 1/16W
PM01	RE26		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	RE27		nsp	00MNN05123610	CHIP RES.	12K OHM +- 5% 1/16W
PM01	RE28		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	RE29		nsp	00MNN05562610	CHIP RES.	5.6K OHM +- 5% 1/16W
PM01	RE41		nsp	00MNN05223610	CHIP RES.	22K OHM +- 5% 1/16W
PM01	RE42		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	RE43		nsp	00MNN05122610	CHIP RES.	1.2K OHM +- 5% 1/16W

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PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
PM01	RE44		nsp	00MNN05122610	CHIP RES.	1.2K OHM +- 5% 1/16W
PM01	RE45		nsp	00MNN05100610	CHIP RES.	10 OHM +- 5% 1/16W
PM01	RE46		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	RE47		nsp	00MNN05123610	CHIP RES.	12K OHM +- 5% 1/16W
PM01	RE48		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	RE49		nsp	00MNN05562610	CHIP RES.	5.6K OHM +- 5% 1/16W
PM01	RE61		nsp	00MNN05223610	CHIP RES.	22K OHM +- 5% 1/16W
PM01	RE62		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	RE63		nsp	00MNN05122610	CHIP RES.	1.2K OHM +- 5% 1/16W
PM01	RE64		nsp	00MNN05122610	CHIP RES.	1.2K OHM +- 5% 1/16W
PM01	RE65		nsp	00MNN05100610	CHIP RES.	10 OHM +- 5% 1/16W
PM01	RE66		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	RE67		nsp	00MNN05123610	CHIP RES.	12K OHM +- 5% 1/16W
PM01	RE68		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	RE69		nsp	00MNN05562610	CHIP RES.	5.6K OHM +- 5% 1/16W
PM01	RP01		nsp	00MNN05105610	CHIP RES.	1M OHM +- 5% 1/16W
PM01	RP02		nsp	00MNN05105610	CHIP RES.	1M OHM +- 5% 1/16W
PM01	RP03		nsp	00MNN05105610	CHIP RES.	1M OHM +- 5% 1/16W
PM01	RP04		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PM01	RP05		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PM01	RP06		nsp	00MNN05100610	CHIP RES.	10 OHM +- 5% 1/16W
PM01	RP07		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	RP10		nsp	00MNN05470610	CHIP RES.	47 OHM +- 5% 1/16W
PM01	RP11		nsp	00MNN05470610	CHIP RES.	47 OHM +- 5% 1/16W
PM01	RP12		nsp	00MNN05470610	CHIP RES.	47 OHM +- 5% 1/16W
PM01	RP13		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PM01	RP14		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PM01	RP15		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PM01	RP16		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PM01	RP17		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PM01	RP18		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PM01	RP19		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PM01	RP20		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PM01	RP21		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PM01	RP22		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PM01	RP23		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PM01	RP24		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PM01	RP25		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PM01	RU02		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RU03		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RU04		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RU05		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RU08		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RU09		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	RU10		nsp	00MNN05100610	CHIP RES.	10 OHM +- 5% 1/16W
PM01	RU13		nsp	00MNN05100610	CHIP RES.	10 OHM +- 5% 1/16W
PM01	RU14		nsp	00MNN05222610	CHIP RES.	2.2K OHM +- 5% 1/16W
PM01	RU15		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RU16		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RU17		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RU22		nsp	00MNN05100610	CHIP RES.	10 OHM +- 5% 1/16W
PM01	RU23		nsp	00MNN05682610	CHIP RES.	6.8K OHM +- 5% 1/16W
PM01	RU24		nsp	00MNN05224610	CHIP RES.	220K OHM +- 5% 1/16W
PM01	RU25		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RU26		nsp	00MNN05224610	CHIP RES.	220K OHM +- 5% 1/16W
PM01	RU27		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	RU28		nsp	00MNN05100610	CHIP RES.	10 OHM +- 5% 1/16W
PM01	RU29		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	RU30		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	RU31		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RU32		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RU33		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	RU34		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	RU35		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	RU39		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	RU40		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W

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PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
PM01	RU41		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	RU48		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RU49		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RU50		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RU51		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RU52		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RU53		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RU54		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RU55		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RU56		00MRI05561010	00MRI05561010	CHIP RES.	560 OHM +5% 1W
PM01	RU57		00MRI05470010	00MRI05470010	CHIP RES.	47 OHM +- 5% 1W
PM01	RU59		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RU61		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	RU62		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	RU63		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	RU64		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	RU65		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	RU66		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	RU68		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	RU69		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	RU71		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RU72		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RU73		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RU74		nsp	00MNN05224610	CHIP RES.	220K OHM +- 5% 1/16W
PM01	RU75		nsp	00MNN05224610	CHIP RES.	220K OHM +- 5% 1/16W
PM01	RU76		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RU77		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RU79		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	RU81		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RU82		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RU83		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RU84		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PM01	RU85		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PM01	RU86		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PM01	RU87		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PM01	RU88		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PM01	RU89		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PM01	RU90		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PM01	RU91		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PM01	RU92		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RU99		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PM01	RX01		nsp	00MNN05105610	CHIP RES.	1M OHM +- 5% 1/16W
PM01	RX02		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PM01	RX03		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RX04		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RX05		nsp	00MNN05152610	CHIP RES.	1.5K OHM +- 5% 1/16W
PM01	RX06		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RX08		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	RX09		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	RX11		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PM01	RX12		nsp	00MNN05152610	CHIP RES.	1.5K OHM +- 5% 1/16W
PM01	RX14		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RX15		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RX16		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PM01	RX17		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RX19		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RX20		nsp	00MNN05224610	CHIP RES.	220K OHM +- 5% 1/16W
PM01	RX21		nsp	00MNN05224610	CHIP RES.	220K OHM +- 5% 1/16W
PM01	RX22		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	RX23		nsp	00MNN05184610	CHIP RES.	180K OHM +- 5% 1/16W
PM01	RX25		nsp	00MNN05100610	CHIP RES.	10 OHM +- 5% 1/16W
PM01	RX26		nsp	00MNN05330610	CHIP RES.	33 OHM +- 5% 1/16W
PM01	RX27		nsp	00MNN05100610	CHIP RES.	10 OHM +- 5% 1/16W
PM01	RX28		nsp	00MNN05330610	CHIP RES.	33 OHM +- 5% 1/16W
PM01	RX31		nsp	00MNN05222610	CHIP RES.	2.2K OHM +- 5% 1/16W
PM01	RX32		nsp	00MNN05222610	CHIP RES.	2.2K OHM +- 5% 1/16W

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PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
PM01	RX41		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PM01	RX42		nsp	00MNN05511610	CHIP RES.	510 OHM J 1608
PM01	RX51		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PM01	RX52		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PM01	SU11		00MSP02022320	00MSP02022320	PUSH SW	PUSH SW (SPUJ191000) W/KNOB
PM01	XP01		00MJX22002350	00MJX22002350	X'TAL	22.5792MHz SMD-49
PM01	XP02		00MJX24005350	00MJX24005350	X'TAL	24.576MHz SMD-49
PM01	XU01		00MFQ02456010	00MFQ02456010	SERAMIC VIB.	CSTCW24M5X51-80 24.576MHZ
PM01	XU02		00MJX00002370	00MJX00002370	X'TAL	32.768KHZ X-TAL CM200S
PM01	XX01		00MFQ01205040	00MFQ01205040	SERAMIC VIB.	CSTCE12M0G15-R0 FOR USB1.1
					PHANTOM SW PCB (00MWG01BS206-)	
PP01	SU01		00MSS02021710	00MSS02021710	SLIDE SW	SSAA22-B NON-SHORTING
					POWER SW PCB (00MWG01BS205-)	
PS01	SU03		00MSS01021060	00MSS01021060	SLIDE SW	SSST01-3A
					HP VOL. PCB (00MWG01BS204-)	
PW06	R378		00MRM01031130	00MRM01031130	VAR. RES.	10K A RK0971220
					I/O PCB (00MWI01BS103-)	
P001	CA72		00MEA10606310	00MEA10606310	ELECT CAP.	10UF/ 63V
P001	CA73		00MEA10606310	00MEA10606310	ELECT CAP.	10UF/ 63V
P001	CA74		00MEA10606310	00MEA10606310	ELECT CAP.	10UF/ 63V
P001	CA75		00MEA10606310	00MEA10606310	ELECT CAP.	10UF/ 63V
P001	CA76		00MOA22706320	00MOA22706320	ELECT. CAP.	220 UF M 63V RA-2
P001	CJ01		nsp	00MDD95470300	CER. CAP.	47 PF +- 5 % CG 50V GR39
P001	CJ02		nsp	00MDD95470300	CER. CAP.	47 PF +- 5 % CG 50V GR39
P001	CJ03		00MEY10602520	00MEY10602520	ELECT CAP.	10UF/ 25V
P001	CJ04		00MEY10602520	00MEY10602520	ELECT CAP.	10UF/ 25V
P001	CJ05		nsp	00MDD95101300	CER. CAP.	100 PF +- 5 % CG 50V GR39
P001	CJ06		nsp	00MDD95101300	CER. CAP.	100 PF +- 5 % CG 50V GR39
P001	CJ07		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
P001	CJ08		00MEY33602520	00MEY33602520	ELECT CAP.	33UF/ 25V
P001	CJ09		00MEY10602520	00MEY10602520	ELECT CAP.	10UF/ 25V
P001	CJ10		00MEY10602520	00MEY10602520	ELECT CAP.	10UF/ 25V
P001	CJ11		nsp	00MDD95470300	CER. CAP.	47 PF +- 5 % CG 50V GR39
P001	CJ12		nsp	00MDD95470300	CER. CAP.	47 PF +- 5 % CG 50V GR39
P001	CJ21		00MEY22602570	00MEY22602570	TANTL.CAP CHIP	22UF/25V CHIP TANTALUM CAP
P001	CJ22		00MEY22602570	00MEY22602570	TANTL.CAP CHIP	22UF/25V CHIP TANTALUM CAP
P001	CU01		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
P001	JA02		00MYJ01004340	00MYJ01004340	JACK	NC3FAH2 4P CANON TYPE HOLZ
P001	JA03		00MYJ01004340	00MYJ01004340	JACK	NC3FAH2 4P CANON TYPE HOLZ
P001	JJ02		00MYT02041280	00MYT02041280	TERMINAL	14X14 RA 2L4 WH+RE AU F-FROUND
P001	JU13		00MYJ01002440	00MYJ01002440	JACK	JACK 2.5MM MINI
P001	LJ01		00MFN31010030	00MFN31010030	EMI FILTER	BLM11B102S 1608 EMIFILTER
P001	LJ02		00MFN31010030	00MFN31010030	EMI FILTER	BLM11B102S 1608 EMIFILTER
P001	LJ03		00MFN31010030	00MFN31010030	EMI FILTER	BLM11B102S 1608 EMIFILTER
P001	LJ04		00MFN31010030	00MFN31010030	EMI FILTER	BLM11B102S 1608 EMIFILTER
P001	LU01		00MFN31010030	00MFN31010030	EMI FILTER	BLM11B102S 1608 EMIFILTER
P001	QJ01		00MHC10168090	00MHC10168090	IC	NJM2068V (0P-AMP)
P001	QJ21		00MBA20080210	00MBA20080210	SEMICON.COMP	DTC323TU
P001	QJ22		00MBA20080210	00MBA20080210	SEMICON.COMP	DTC323TU
P001	RA72		00MRI05682120	00MRI05682120	CHIP RES.	6.8K OHM +- 5% 1/2W
P001	RA73		00MRI05682120	00MRI05682120	CHIP RES.	6.8K OHM +- 5% 1/2W
P001	RA74		00MRI05682120	00MRI05682120	CHIP RES.	6.8K OHM +- 5% 1/2W
P001	RA75		00MRI05682120	00MRI05682120	CHIP RES.	6.8K OHM +- 5% 1/2W
P001	RJ01		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
P001	RJ02		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
P001	RJ03		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
P001	RJ04		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
P001	RJ05		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
P001	RJ06		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
P001	RJ07		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
P001	RJ08		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
P001	RJ09		nsp	00MNN05223610	CHIP RES.	22K OHM +- 5% 1/16W
P001	RJ10		nsp	00MNN05223610	CHIP RES.	22K OHM +- 5% 1/16W
P001	RJ11		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
P001	RJ12		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
P001	RJ13		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W

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PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
P001	RJ14		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
P001	RJ15		nsp	00MNN05474610	CHIP RES.	470K OHM +- 5% 1/16W
P001	RJ21		nsp	00MNN05153610	CHIP RES.	15K OHM +- 5% 1/16W
P001	RJ22		nsp	00MNN05153610	CHIP RES.	15K OHM +- 5% 1/16W
P001	RU01		nsp	00MNN05100610	CHIP RES.	10 OHM +- 5% 1/16W
P001	RU06		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
P001	RU07		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
P001	RU60		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
					I/O 2 PCB (00MWI01BS106-)	
P002	JU16		00MYJ01004520	00MYJ01004520	JACK	4P MINI JACK HSJ 1637-010512
					REC VOL. PCB (00MWG01BS203-)	
P003	RC64		00MRM01031140	00MRM01031140	VAR. RES.	10K B RK0972220
					BATT1 PCB (00MWI01BS104-)	
P801	▲ F802		00MFS10250940	00MFS10250940	FUSE	# 2.5A/60V CCF1N2.5 TE
P801	J802		00M378V123010	00M378V123010	CONTACTOR	
P801	J803		00M378V123010	00M378V123010	CONTACTOR	
P801	J804		00M378V123020	00M378V123020	CONTACTOR	
					BATT2 PCB (00MWI01BS107-)	
P802	J807		00M378V123020	00M378V123020	CONTACTOR	
P802	J808		00M378V123020	00M378V123020	CONTACTOR	

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