

Service Manual

SA-7S1 /F N/K1G/N1G/U1G

Super Audio CD Player

SA-7S1

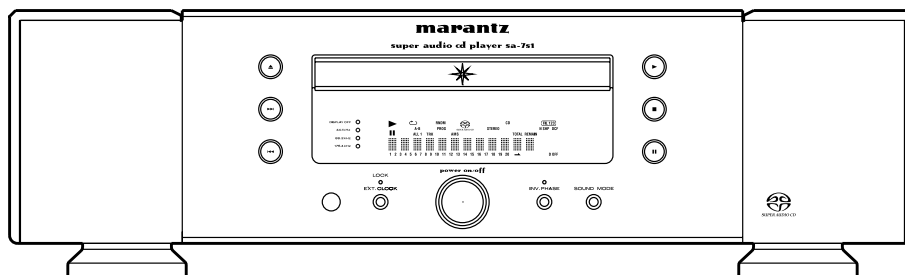


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Please use this service manual with referring to the user guide (D.F.U.) without fail.

修理の際は、必ず取扱説明書を準備し操作方法を確認の上作業を行ってください。

marantz®

SA-7S1

MARANTZ DESIGN AND SERVICE

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

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

ORDERING PARTS :

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

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

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

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1578 NANJING (WEST) ROAD SHANGHAI
CHINA
TEL : 021 - 6248 - 1064
FAX : 021 - 6248 - 3565

SHOCK, FIRE HAZARD SERVICE TEST :

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

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

Ref. UL Standard No. 6500.

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

1. TECHNICAL SPECIFICATIONS AND UPDATE DISC

	Super Audio CD	CD
Audio Characteristics		
Analog output		
Channels	2channels	2channels
Frequency range	2Hz — 100kHz	2Hz — 20kHz
Frequency characteristics	2Hz — 50kHz (-3dB)	2Hz — 20kHz
Dynamic range	112dB	100dB
THD (1kHz)	0.0010%	0.0020%
Wow & Flutter	Precision of quartz	Precision of quartz
Output level	2.3V RMS stereo	2.3V RMS stereo
Digital output		
Output level (Cinch JACK)	—	0.5Vp-p (75Ω)
Output level (Optical)	—	-19dBm
Headphone output level	0.5W / 32Ω (max, Vol.)	0.5W / 32Ω (max, Vol.)
Ext. Clock input		
Clock frequency	44.1kHz, 88.2kHz, 176.4kHz	
Input level (BNC terminal)	1V — 5Vp-p (75Ω)	
Optical Readout System		
Laser	AlGaAs	AlGaAs
Wave length	650nm	780nm
Signal format		
Sampling frequency	1-bit DSD 2.8224MHz	16-bit linear PCM 44.1kHz

Power Supply

Input Voltage, Frequency [F].....	AC 100V 50/60Hz
[K].....	AC 220V 50/60Hz
[N].....	AC 230V 50Hz
[U].....	AC 120V 60Hz
Power Consumption.....	26W

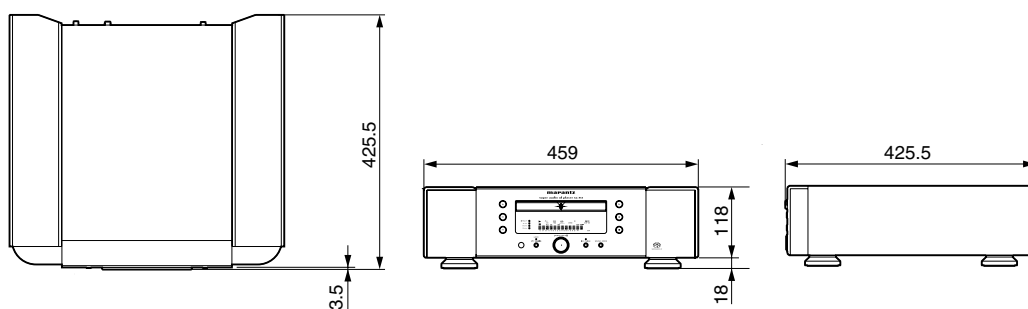
Cabinet, etc.

Dimensions	459 × 136 × 425.5mm (18 1/8 × 5 5/16 × 16 13/16 inch)
Net weight	22.3kg
Operating temperatures	+5°C ~ +35°C
Operating humidity.....	5 ~ 90% (without dew)

Accessories

• Remote control unit	1
• AAA (R03) Batteries	2
• AC Power cord	1
• Audio cable	1
• User's Guide	1

Dimensions (Unit : mm)

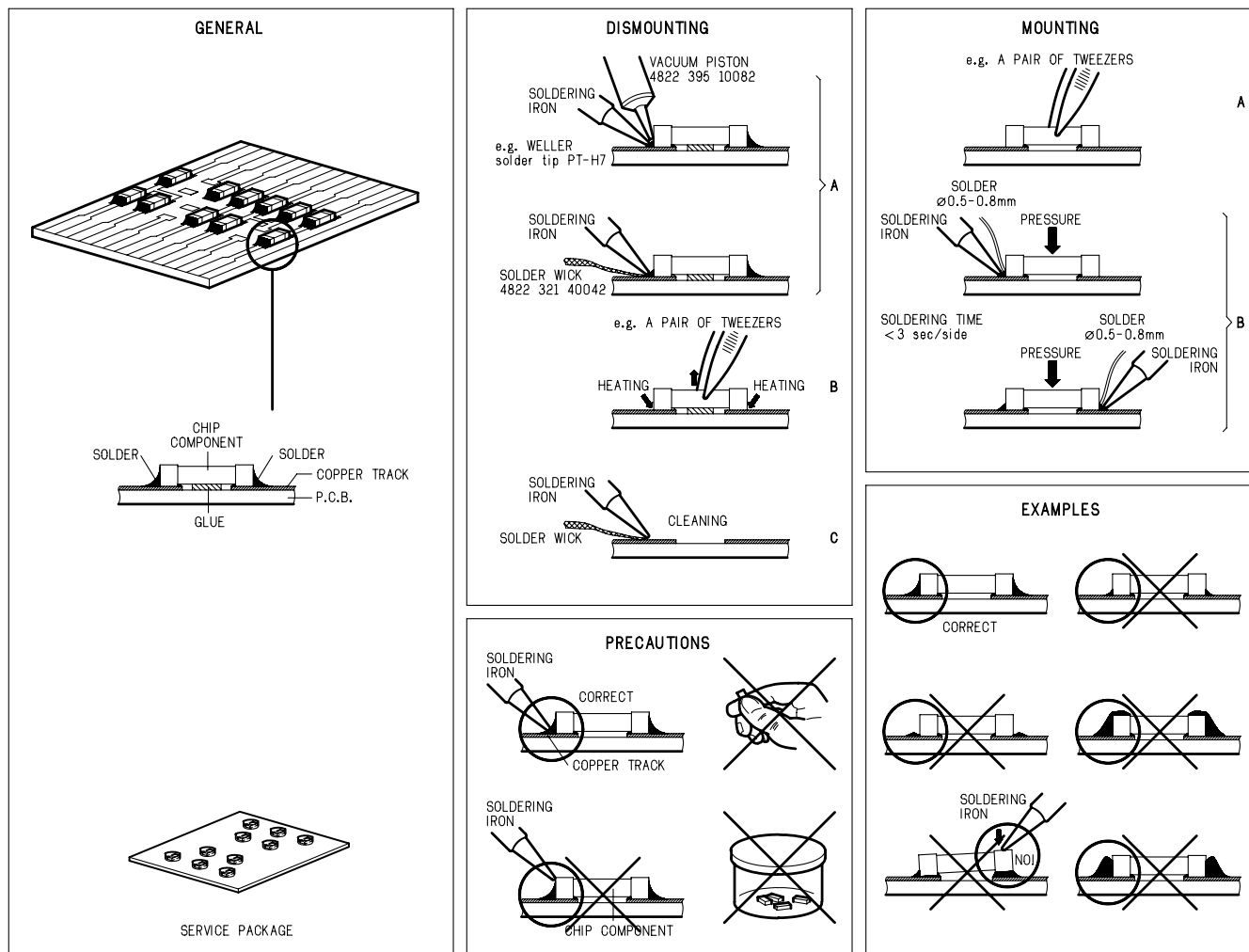


UPDATE DISC

Update of the CPU (IC731).....	90M-SA11S1DVD
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2. SERVICE HINTS AND TOOLS

SERVICE HINTS



SERVICE TOOLS

Audio signals disc	4822 397 30184
Disc without errors (SBC444)+	
Disc with DO errors, black spots and fingerprints (SBC444A)	4822 397 30245
Disc (65 min 1kHz) without no pause	4822 397 30155
Max. diameter disc (58.0 mm)	4822 397 60141
Torx screwdrivers	
Set (straight)	4822 395 50145
Set (square)	4822 395 50132
13th order filter	4822 395 30204
DVD test disc (PAL)	4822 397 10131
DVD test disc (NTSC) ALMEDIO	TDV-540

3. WARNING AND LASER SAFETY INSTRUCTIONS

(GB)

WARNING

All ICs and many other semi-conductors are susceptible to electrostatic discharges (ESD). Careless handling during repair can reduce life drastically.

When repairing, make sure that you are connected with the same potential as the mass of the set via a wrist wrap with resistance.

Keep components and tools also at this potential.

ESD



(NL)

WAARSCHUWING

Alle IC's en vele andere halfgeleiders zijn gevoelig voor elektrostatische ontladingen (ESD).

Onzorgvuldig behandelen tijdens reparatie kan de levensduur drastisch doen verminderen.

Zorg ervoor dat u tijdens reparatie via een polsband met weerstand verbonden bent met hetzelfde potentiaal als de massa van het apparaat.

Houd componenten en hulpmiddelen ook op hetzelfde potentiaal.

(F)

ATTENTION

Tous les IC et beaucoup d'autres semi-conducteurs sont sensibles aux décharges statiques (ESD).

Leur longévité pourrait être considérablement écourtée par le fait qu'aucune précaution n'est prise à leur manipulation.

Lors de réparations, s'assurer de bien être relié au même potentiel que la masse de l'appareil et enfiler le bracelet serti d'une résistance de sécurité.

Veiller à ce que les composants ainsi que les outils que l'on utilise soient également à ce potentiel.

(D)

WARNUNG

Alle IC und viele andere Halbleiter sind empfindlich gegen elektrostatische Entladungen (ESD).

Unvorsorgfältige Behandlung bei der Reparatur kann die Lebensdauer drastisch vermindern. Sorgen sie dafür, das Sie im Reparaturfall über ein Pulsarmband mit Widerstand mit dem Massepotential des Gerätes verbunden sind.

Halten Sie Bauteile und Hilfsmittel ebenfalls auf diesem Potential.

(I)

AVVERTIMENTO

Tutti IC e parecchi semi-conduttori sono sensibili alle scariche statiche (ESD).

La loro longevità potrebbe essere fortemente ridatta in caso di non osservazione della più grande cauzione alla loro manipolazione.

Durante le riparazioni occorre quindi essere collegato allo stesso potenziale che quello della massa dell'apparecchio tramite un braccialetto a resistenza.

Assicurarsi che i componenti e anche gli utensili con quali si lavora siano anche a questo potenziale.

(GB)

Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified be used.

(NL)

Veiligheidsbepalingen vereisen, dat het apparaat in zijn oorspronkelijke toestand wordt terug gebracht en dat onderdelen, identiek aan de gespecificeerde worden toegepast.

(D)

Bei jeder Reparatur sind die geltenden Sicherheitsvorschriften zu beachten. Der Originalzustand des Gerats darf nicht verändert werden. Für Reparaturen sind Original-Ersatzteile zu verwenden.

(I)

Le norme di sicurezza esigono che l'apparecchio venga rimesso nelle condizioni originali e che siano utilizzati pezzi di ricambio identici a quelli specificati.

"Pour votre sécurité, ces documents doivent être utilisés par des spécialistes agréés, seuls habilités à réparer votre appareil en panne."

(F)

Les normes de sécurité exigent que l'appareil soit remis à l'état d'origine et que soient utilisées les pièces de rechange identiques à celles spécifiées.

LASER SAFETY

This unit employs a laser. Only a qualified service person should remove the cover or attempt to service this device, due to possible eye injury.



USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURE OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

AVOID DIRECT EXPOSURE TO BEAM

WARNING

The use of optical instruments with this product will increase eye hazard.

Repair handling should take place as much as possible with a disc loaded inside the player

WARNING LOCATION: INSIDE ON LASER COVERSIELD

CAUTION VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AVOID EXPOSURE TO BEAM
ADVARSEL SYNLIG OG USYNLIG LASERSTRÅLING VED ÅBNING UNDGÅ UDSÆTTELSE FOR STRÅLING
ADVARSEL SYNLIG OG USYNLIG LASERSTRÅLING NÅR DEKSEL Å PNES UNNGÅ EKSPONERING FOR STRÅLEN
VARNING SYNLIG OCH OSYNLIG LASERSTRÅLNING NÅR DENNA DEL ÅR ÖPPNAD BETRAKTA EJ STRÅLEN
VARO! AVATT AESSA OLET ALTTIINA NÄKYVÄLLE JA NÄKYMÄTTÖMÄLLE LASER SÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN
VORSICHT SICHTBARE UND UNSICHTBARE LASERSTRAHLUNG WENN ABDECKUNG GEÖFFNET NICHT DEM STRAHL AUSSETSEN
DANGER VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AVOID DIRECT EXPOSURE TO BEAM
ATTENTION RAYONNEMENT LASER VISIBLE ET INVISIBLE EN CAS D'OUVERTURE EXPOSITION DANGEREUSE AU FAISCEAU

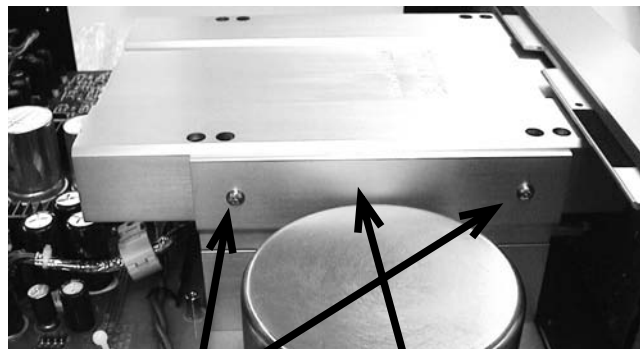
4. TAKING THE DISC OUT OF EMERGENCY

Push the Eject Lever, Disc tray is opened and Disc is taken out.

1. Remove 2 screws and remove a side panel.
2. Push the eject lever by the pin ($\phi 6\text{mm}$ or less).
3. The Disc tray opens, Now you can remove the disc

Discの取り出しは、イジェクトレバーを押すとトレーが開きディスクを取り出せます。

1. ネジ2本を外しサイドパネルを取り外します。
2. ピン（直径6mm以下）でイジェクトレバーを押します。
3. ディスクトレーが開きディスクを取り出せます。

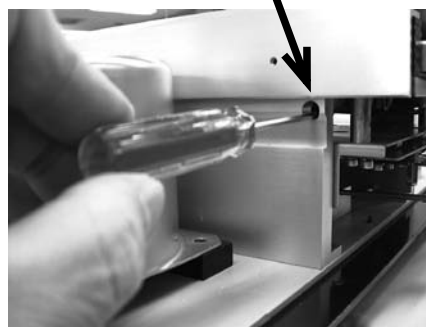


Remove 2 Screws
ネジ2本をはずします

Remove a side panel
サイドパネルを取り外します



This hole is used
この穴にピンを差し込みます

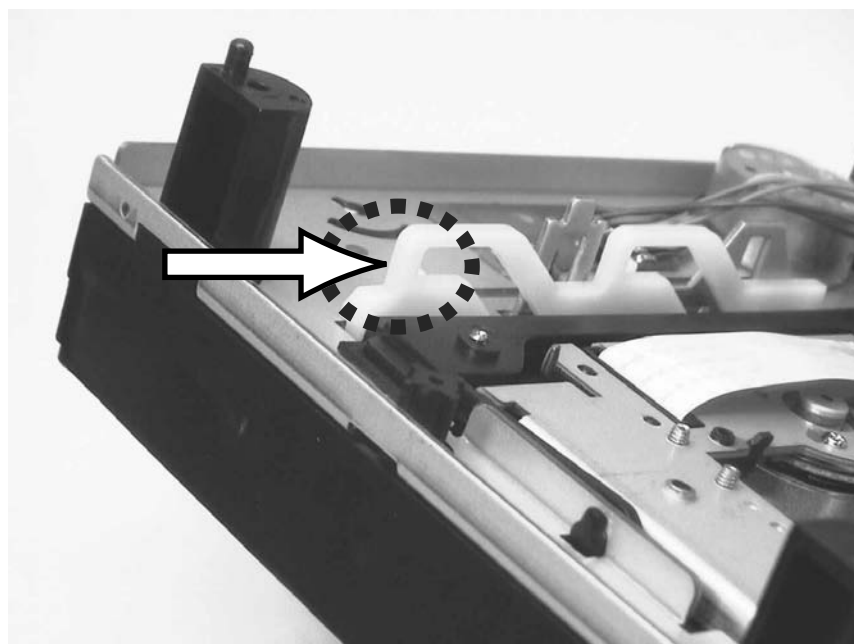


This picture shows the unit upside down. The eject lever is pointed by the arrow.

The lever is thin so aim the narrow area carefully.

この図はメカニズムの裏側です。矢印がイジェクトレバーです。

イジェクトレバーの押す部分の幅は狭いので、注意し押ししてください。



5. UPDATE FIRMWARE

Necessary Equipment

- UPDATE DISC. (90M-SA11S1DVD)

Attention : Don't turn off the unit until disc tray opens automatically during the updating. When the turn off the unit halfway, The unit can't be operated any more.

Writing Procedure

1. Press the **POWER** button while pressing the **PLAY** and **STOP** buttons.
2. Press the **OPEN/CLOSE** button to open the tray, Insert the update DVD-ROM (part No.:90M-SA11S1DVD).
3. Press the **SOUND MODE** and **STOP** buttons.
The Display indicates " VERSION UP ".
4. Press the **OPEN/CLOSE** button to close the tray.
The Display indicates " TOC Reading " >>> " FILE CHECK " >>> " ERASE " >>> " WRITING ".
5. Software updating will be done automatically.
When the updating is finished, The disc tray opens automatically.
(Updating takes about 1 minute.)
6. Remove the DVD-ROM from the disc tray.

Update is completed, Press the **POWER** button to turn off the unit.

ファームウェアのアップデート方法

必要機器

- UPDATE DISC. (90M-SA11S1DVD)

注意) 書き換え中は、ディスクトレイが自動的にオープンするまで絶対にセットの電源を切らないで下さい。途中で電源を切ると通常の動作も出来なくなります。

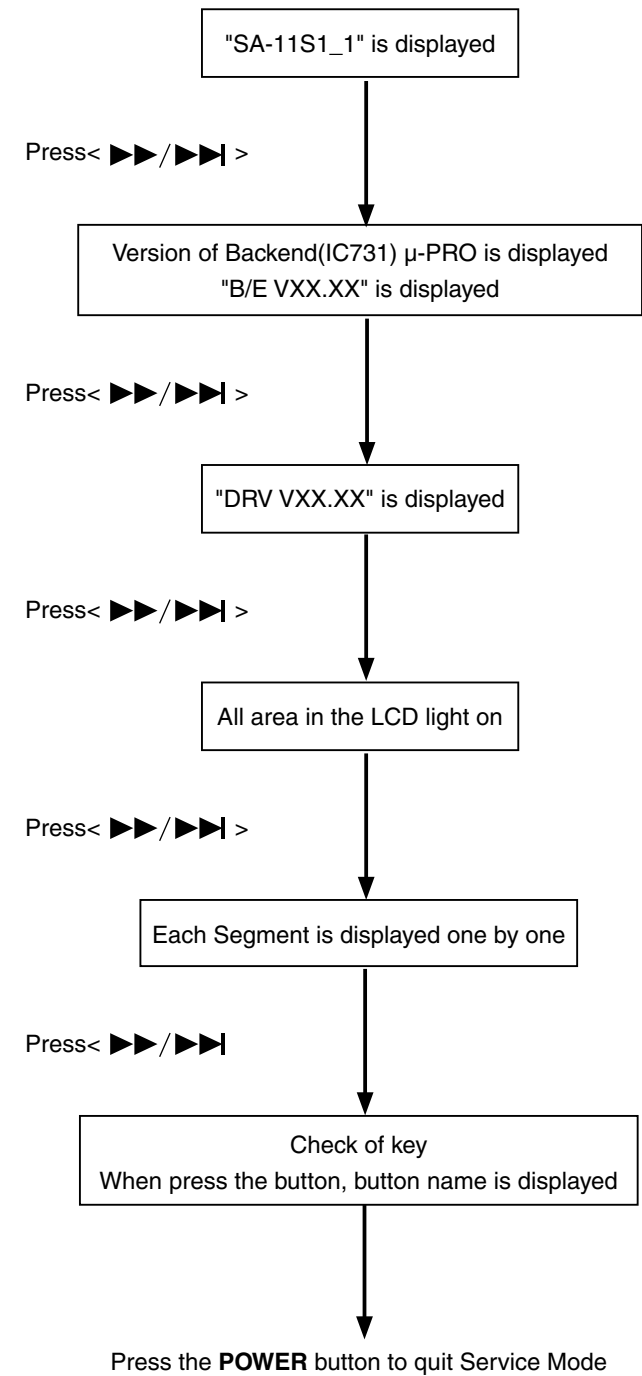
手順

1. **PLAY**と**STOP**ボタンを押しながら**POWER**ボタンを押します。
2. **OPEN/CLOSE**ボタンを押し、トレイをオープンします。
アップデートDVD-ROM (部品番号90M-SA11S1DVD)を挿入します。
3. **SOUND MODE**と**STOP**ボタンを同時に押します。
表示部には" VERSION UP "と表示されます。
4. **OPEN/CLOSE**ボタンを押します。トレイが閉じます。
表示部には" TOC Reading " >>> " FILE CHECK " >>> " ERASE " >>> " WRITING "の順に表示されます。.
5. ソフトの書き換えは自動的に行われます。書き換えが終了するとディスクトレイは自動的にオープンします。
(アップデートには約1分かかります.)
6. ディスクトレイからDVD-ROMを取り出します。

以上で、ソフトウェアのアップデートは完了です。**POWER** ボタンを押して電源を切ります。

6. SERVICE MODE

The error code is indicated when a problem DISC is inserted first.
Press the **POWER** button While pressing **PLAY** and **STOP** button



Error Code

Error Code	Error
E1 XXXX	Operation time Error
E2 XXXX	T.O.C Error
E2 XXXX	Focus Error
E2 XXXX	Read Error
E4 XXXX	Tracking Error
E5 XXXX	Tray Error
E6 XXXX	Navigation Pack Read Error
E7 XXXX	Check Sum Eroor and NonAcknow I edgmen
NO DISC XXXX	NO disc

(XXXX: The Operation number of times to the error occurrence)

7. L/R OUTPUT LEVEL ADJUSTMENT PROCEDURE

Cases adjustment is needs

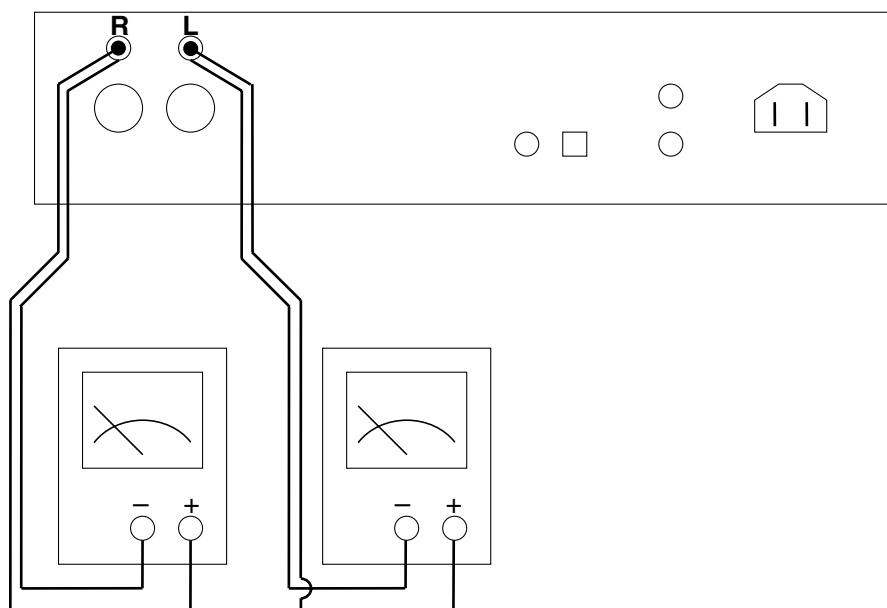
When a Q201 or Q251 is replaced.

Necessary equipments

- AC voltmeter 2 sets (or Oscilloscope)
- CD TEST DISC: CBC429 Audio signal disc1 (4822-397-30155)

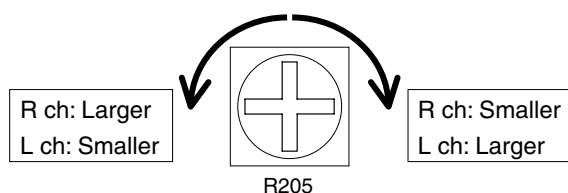
Connection procedure

- Connect the ANALOG OUTPUTS terminal (L/R) on the rear panel and AC voltmeter with cable as follow.



Adjustment procedure

1. Play back the Track 1 (1 kHz 0dB L+R) of the TEST DISC (SBC429).
2. Adjust trimming resistor (R205) according to AC voltmeter readings of L ch output level and R ch output level.
3. The output level difference of the L ch and R ch is adjusted to less than 50mV.
If R205 is turned clockwise, the level of L ch will become large, and if it turns to anticlockwise rotation, the level of R ch will become large.



7. L/R出力レベル調整手順

調整が必要な場合

Q201またはQ251を交換した時に調整が必要になります。

必要機器

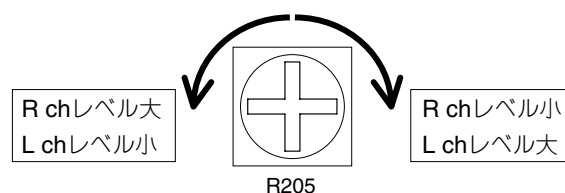
- 交流電圧計 2台 (またはオシロスコープ)
- CDテストディスク CBC429 Audio signal disc1 (4822-397-30155)

接続図

- リアパネルにあるANALOG OUTPUTS端子L、Rをそれぞれ交流電圧計に接続します。

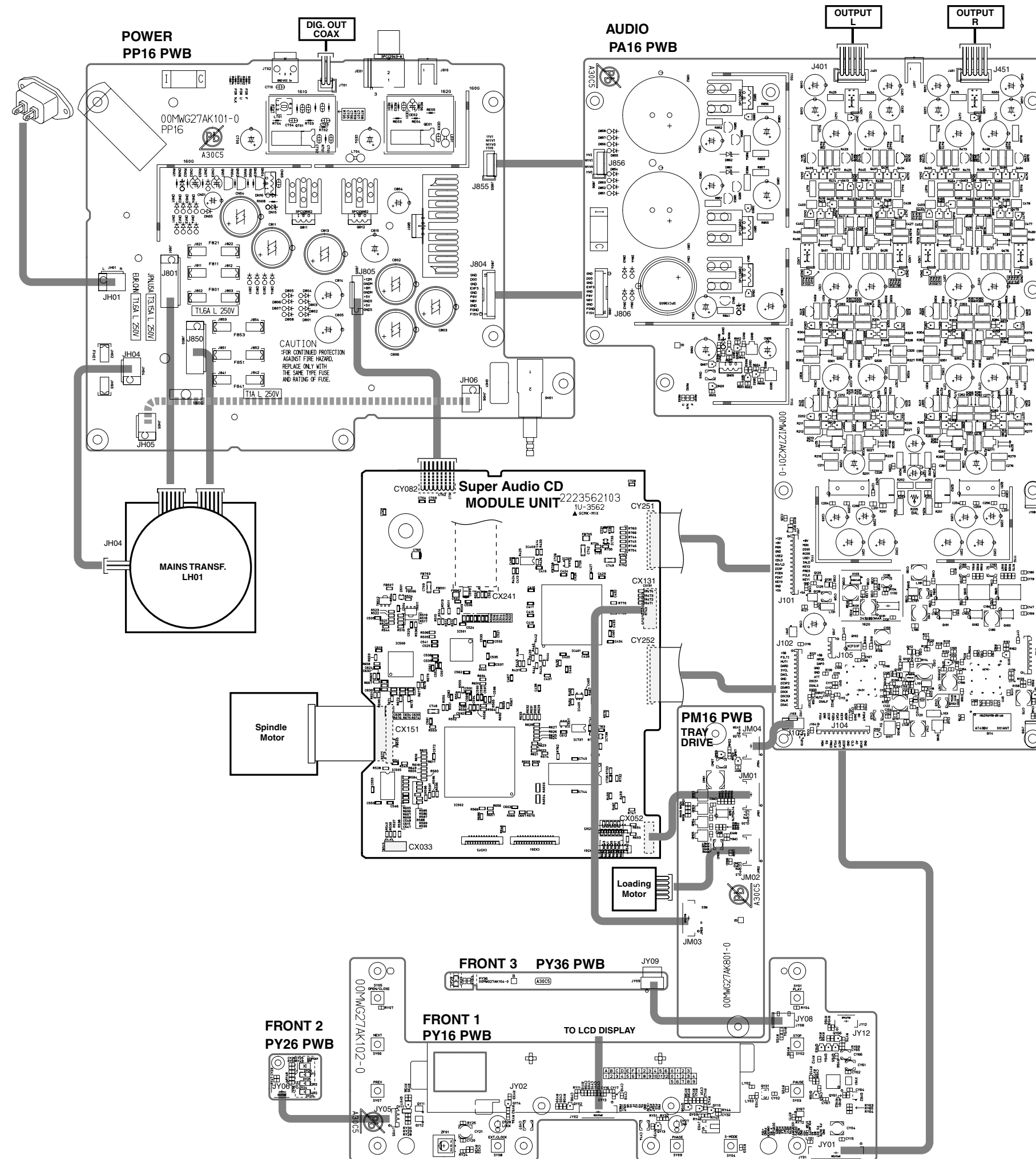
調整方法

1. テストディスク(SBC429)のTr.1 (1kHz 0dB L+R)を再生します。
2. 交流電圧計でL ch、R chの出力レベル差50mV未満になるようにR205で調整します。
R205を時計方向に回すとL chのレベルが大きくなり、反時計方向に回すとR chのレベルが大きくなります。

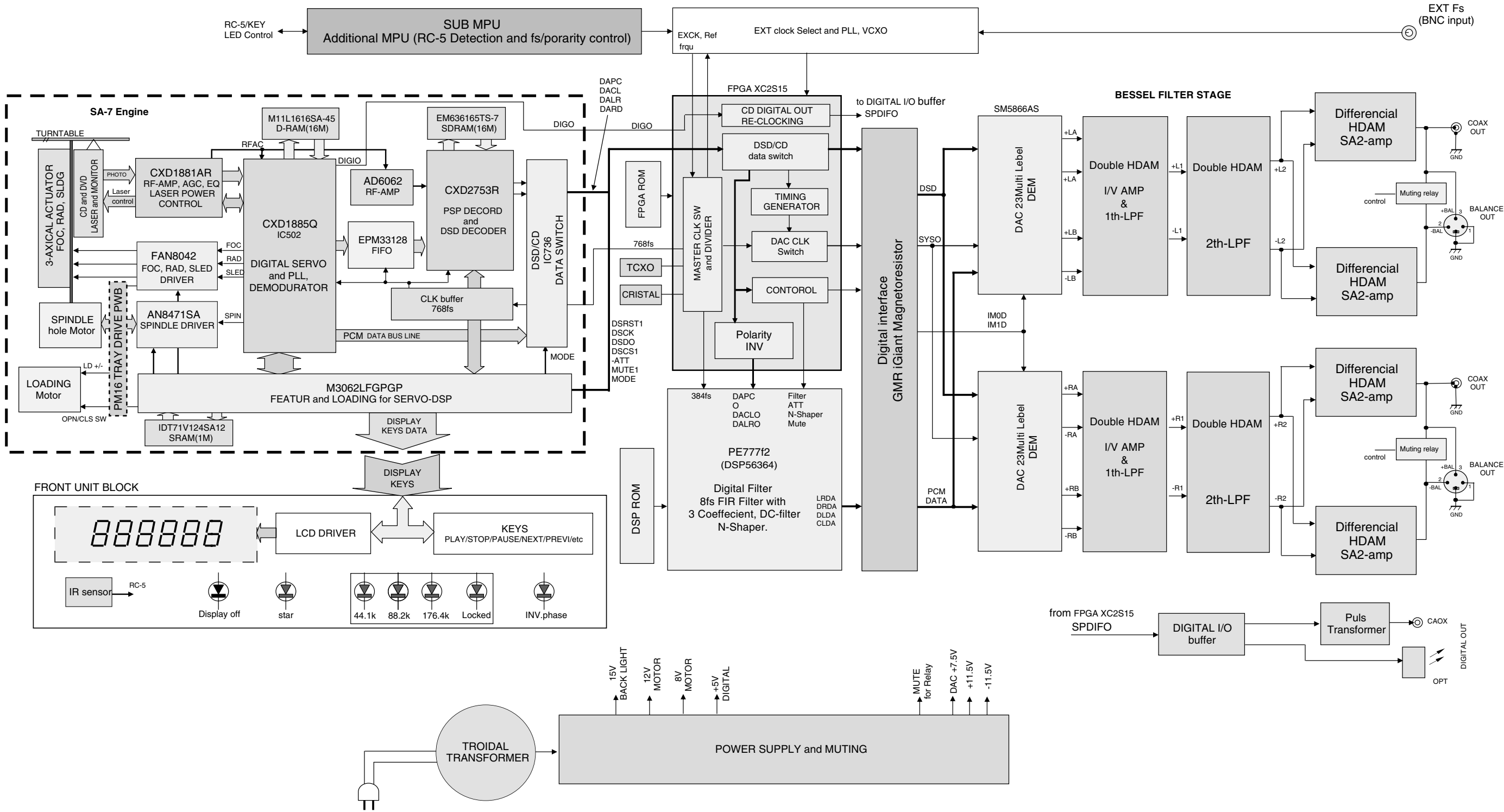


This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

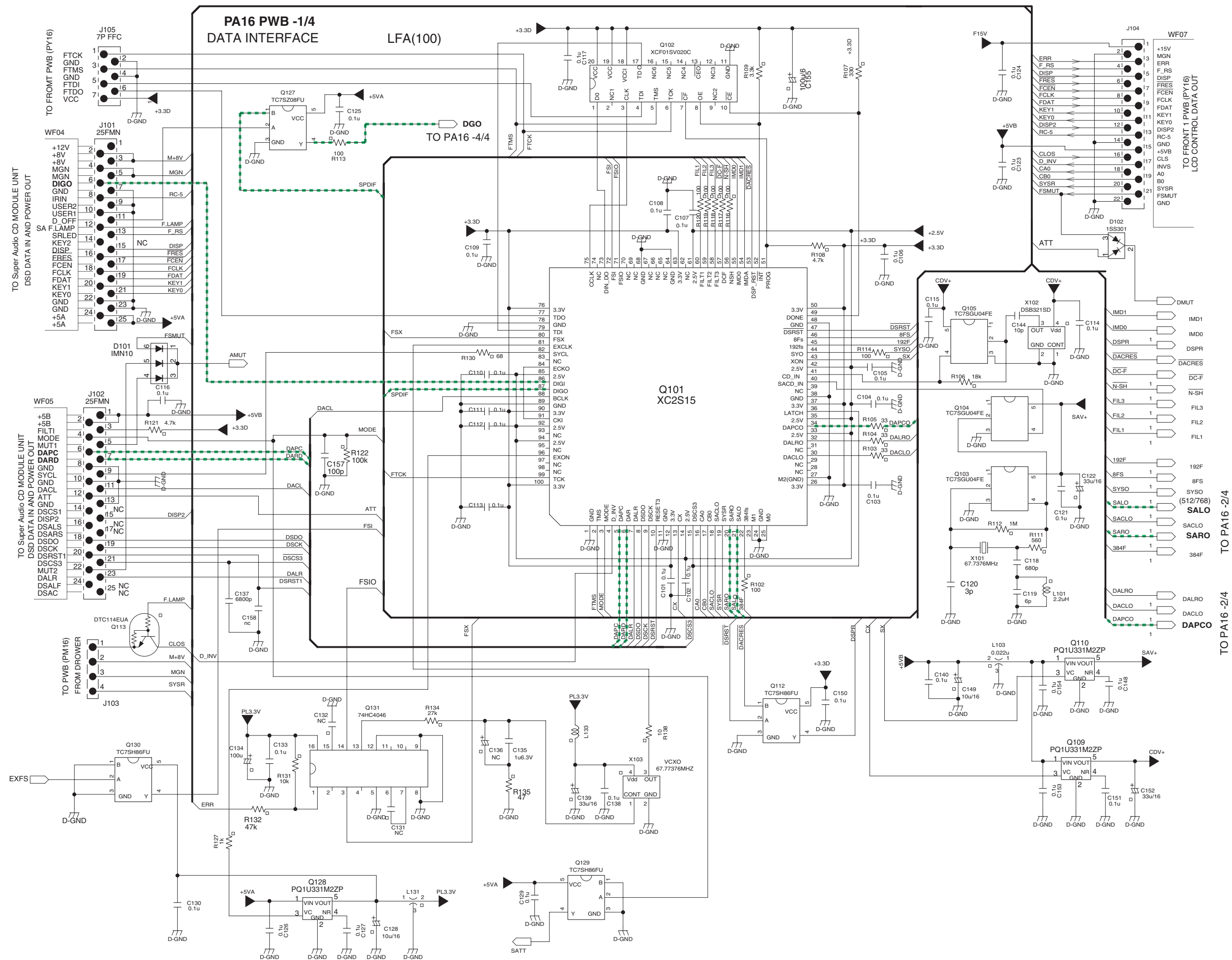
8. WIRING DIAGRAM



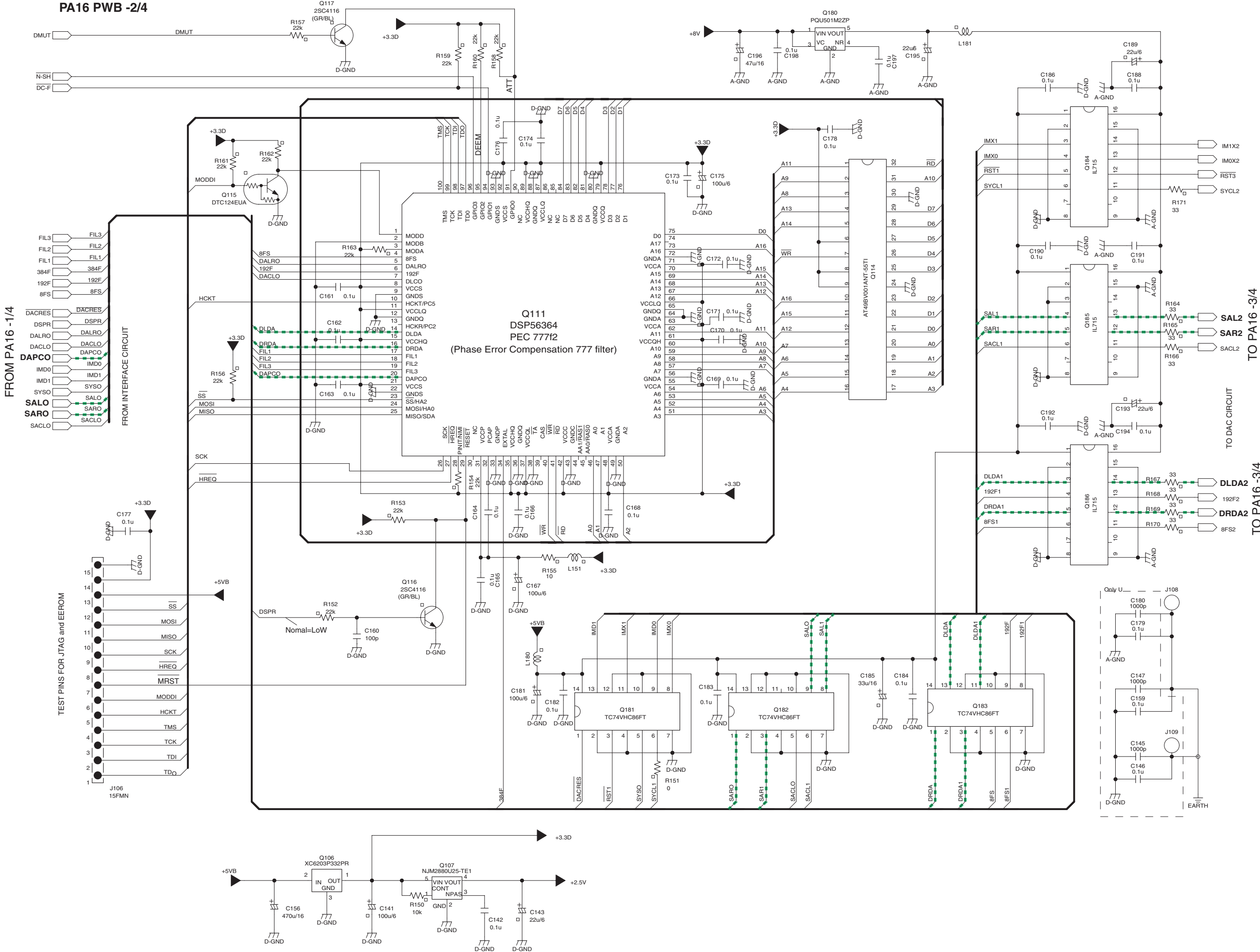
9. BLOCK DIAGRAM



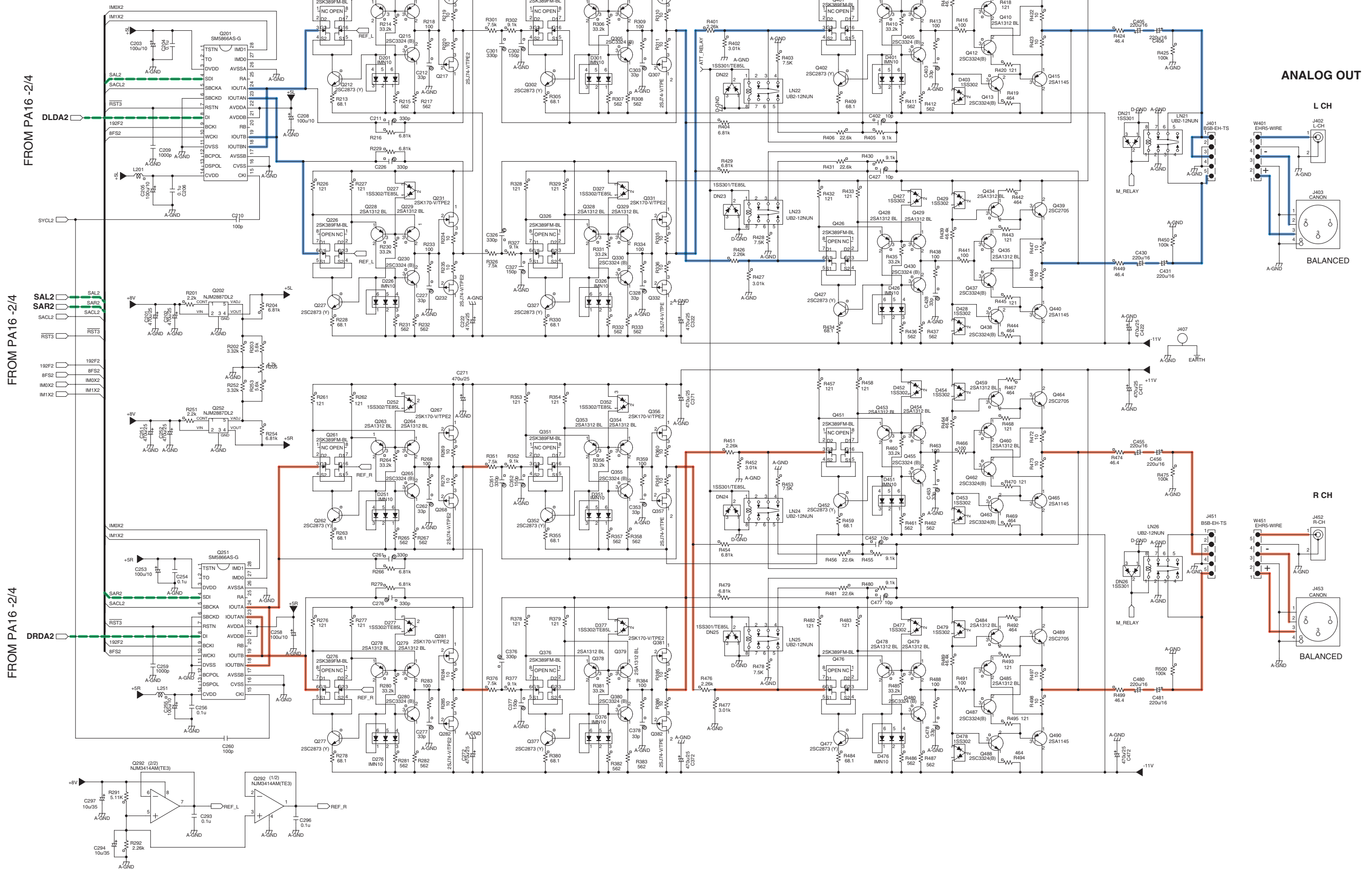
10. SCHEMATIC DIAGRAM

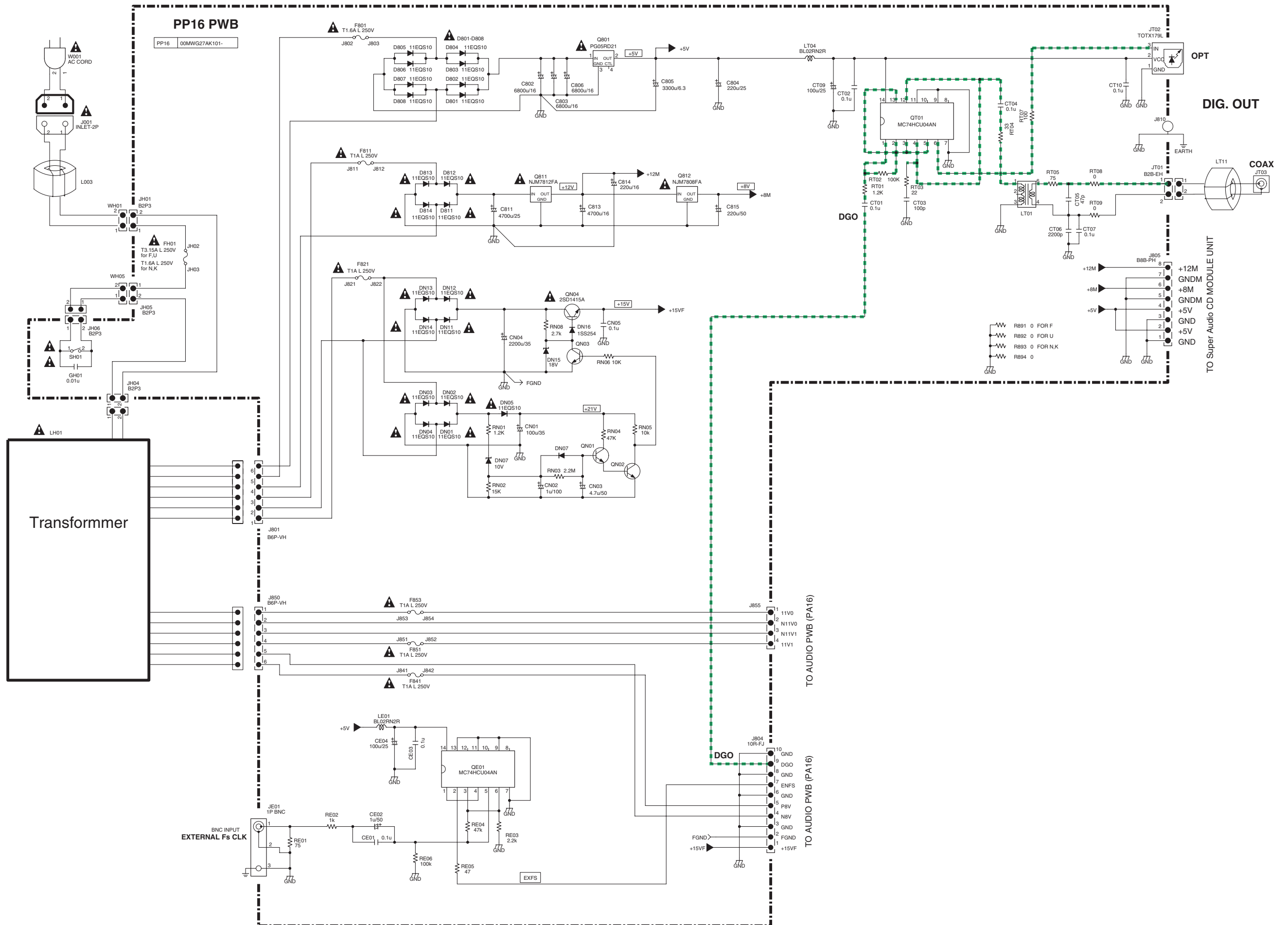


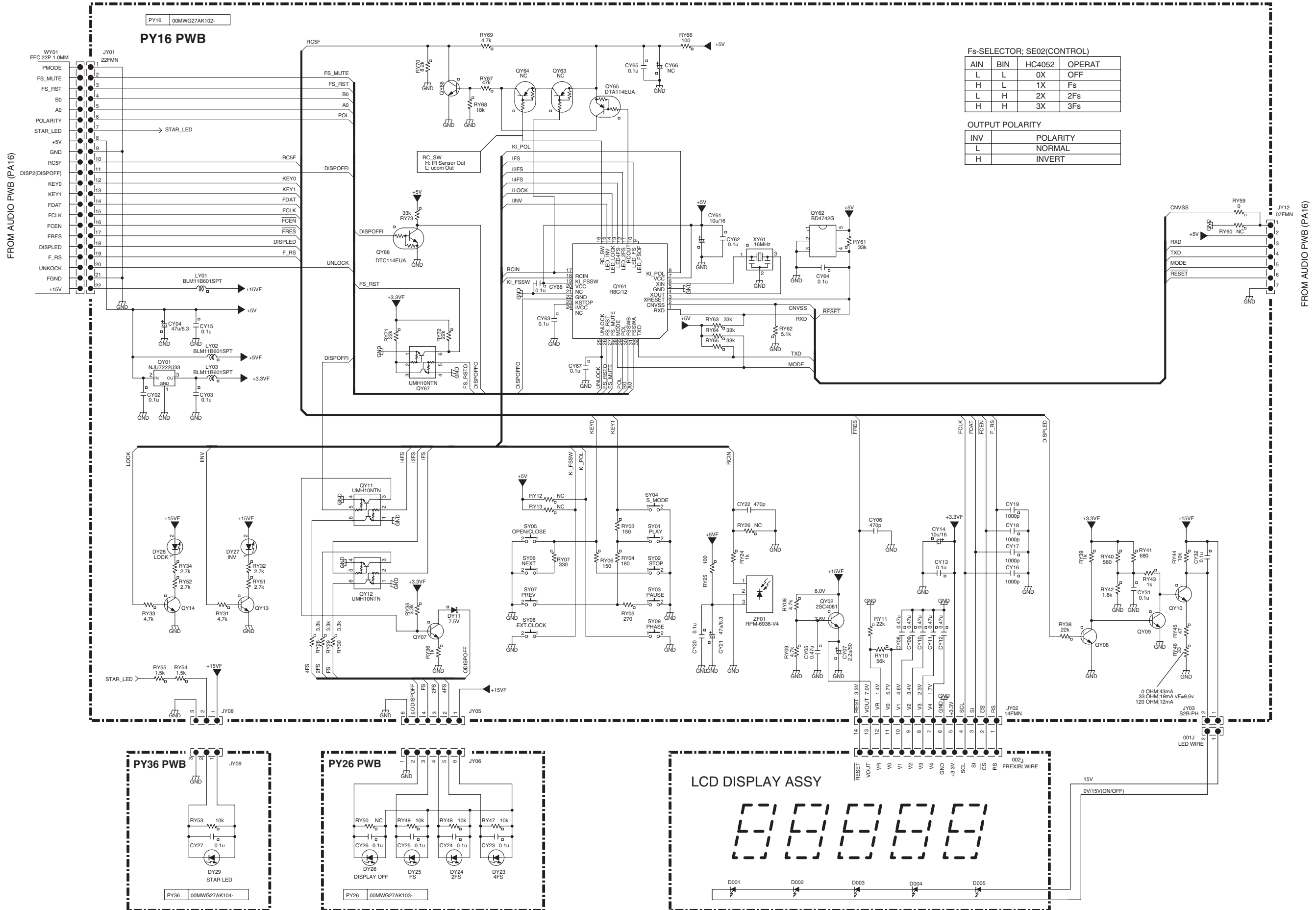
PA16 PWB -2/4



PA16 PWB -3/4
DAC/FILTER/BALANCE
 (LDA/LPF/LBA)

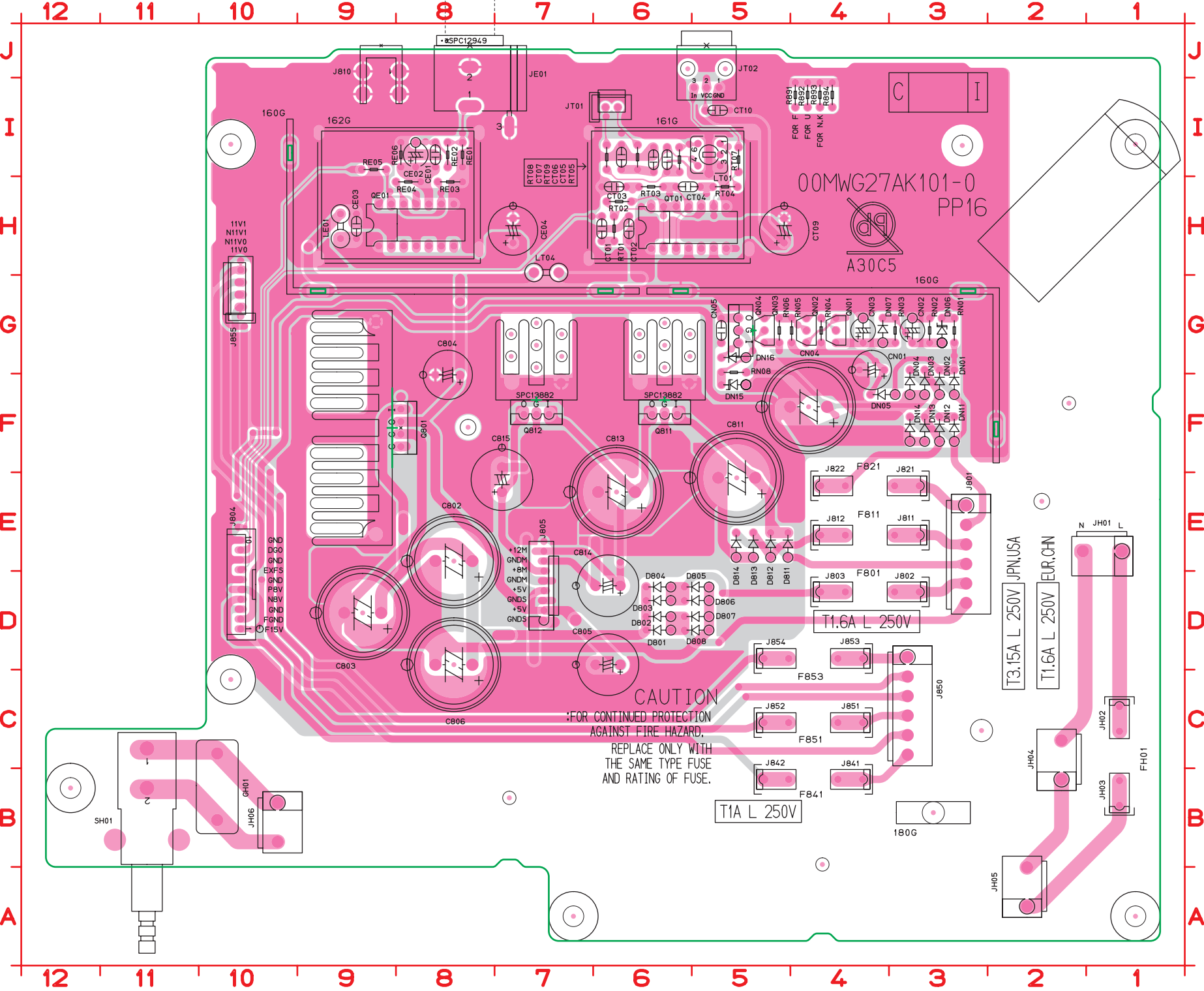






11. PARTS LOCATION

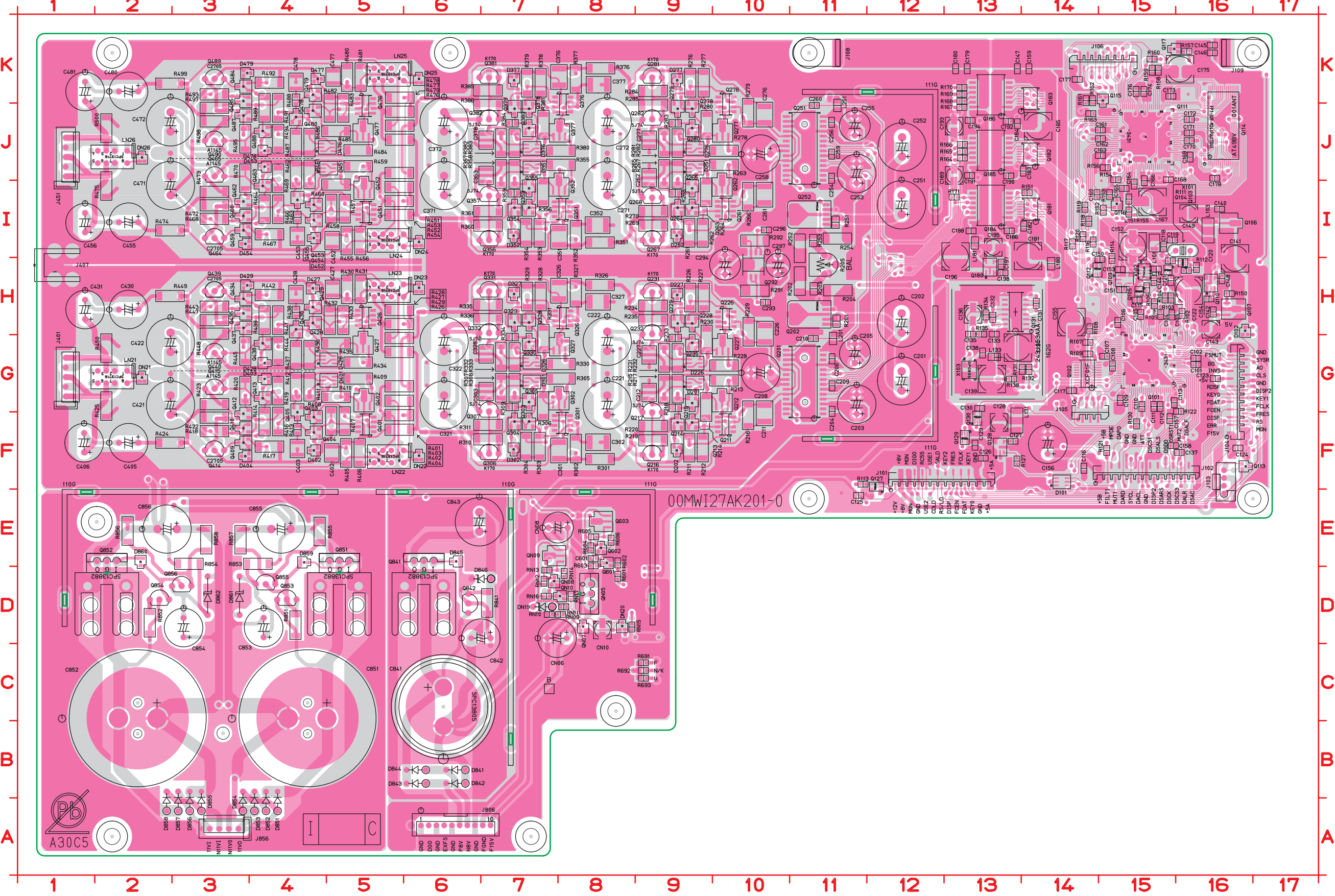
PP16 PWB B



C802	E8	JH01	E1
C803	D9	JH02	C1
C804	F8	JH03	B1
C805	D6	JH04	B2
C806	D8	JH05	A2
C811	E5	JH06	B10
C813	E6	JT01	I6
C814	D6	JT02	J5
C815	E7	LE01	H9
CE01	I8	LT01	I5
CE02	I8	LT04	H7
CE03	H9	Q801	F8
CE04	H7	Q811	F6
CN01	G4	Q812	F7
CN02	G3	QE01	H9
CN03	G4	QN01	G4
CN04	F4	QN02	G4
CN05	G5	QN03	G5
CT01	H6	QN04	G5
CT02	H6	QT01	H6
CT03	H6	R891	I4
CT04	H5	R892	I4
CT05	I6	R893	I4
CT06	I6	R894	I4
CT07	I6	RE01	I8
CT09	H5	RE02	I8
CT10	I5	RE03	H8
D801	D6	RE04	H8
D802	D6	RE05	I9
D803	D6	RE06	I8
D804	D6	RN01	G3
D805	D5	RN02	G3
D806	D5	RN03	G3
D807	D5	RN04	G4
D808	D5	RN05	G4
D811	E5	RN06	G5
D812	E5	RN08	G5
D813	E5	RT01	H6
D814	E5	RT02	H6
DN01	F3	RT03	H6
DN02	F3	RT04	H5
DN03	F3	RT05	I6
DN04	F3	RT07	I5
DN05	F3	RT08	I6
DN06	G3	RT09	I6
DN07	G4	SH01	B11
DN11	F3		
DN12	F3		
DN13	F3		
DN14	F3		
DN15	F5		
DN16	G5		
GH01	B10		
J801	E3		
J802	D3		
J803	D4		
J804	D10		
J805	D7		
J810	J9		
J811	E3		
J812	E4		
J821	E3		
J822	E4		
J841	B4		
J842	B5		
J850	D3		
J851	C4		
J852	C5		
J853	D4		
J854	D5		
J855	G10		
JE01	J8		

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

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



鉛フリー半田
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PA16 PWB

C101	G16	C184	J13	C481	K1	J407	H1	Q304	F7	QN09	E7	R265	J9	R424	F2	R853	E4
C102	G16	C185	J14	C601	E8	J451	J1	Q305	G7	QN10	D8	R266	I10	R425	G2	R854	E3
C103	H15	C186	I13	C841	C6	J806	A6	Q306	F7	R102	H16	R267	J9	R426	G5	R855	E4
C104	H15	C188	I13	C842	D7	J856	A3	Q307	G7	R103	H15	R268	I9	R427	H5	R856	E2
C105	H15	C189	J13	C843	E6	L101	I15	Q326	H8	R104	H15	R269	I9	R428	H5	R857	E3
C106	H15	C190	J13	C851	C5	L103	I16	Q327	G8	R105	H15	R270	I9	R429	G5	R858	E3
C107	G15	C191	J13	C852	C2	L131	F13	Q328	H7	R106	H15	R276	K9	R430	H5	RN09	D8
C108	G15	C192	J13	C853	D4	L133	G13	Q329	H7	R107	G14	R277	K9	R431	H5	RN10	D7
C109	G15	C193	J13	C854	D3	L151	I15	Q330	G7	R108	H14	R278	J10	R432	H5	RN11	D8
C110	G15	C194	J13	C855	E4	L180	H14	Q331	H7	R109	G14	R279	J10	R433	H5	RN12	D7
C111	G15	C195	I13	C856	E3	L181	I13	Q332	H7	R111	H15	R280	J9	R434	G5	RN13	D7
C112	G15	C196	I13	CN06	D8	L201	G11	Q351	I8	R112	H16	R281	J9	R435	G5	RN14	D8
C113	G15	C197	H13	CN08	E8	L251	J11	Q352	I8	R113	F11	R282	J9	R436	G4	RN15	D8
C114	H15	C198	H13	CN10	D8	LN21	G2	Q353	I7	R114	H15	R283	J9	R437	G4	RN16	D7
C115	H15	C201	G12	D101	F14	LN22	F6	Q354	I7	R116	I14	R284	K9	R438	H4	RN17	D8
C116	F14	C202	H12	D102	H16	LN23	H6	Q355	I7	R117	I14	R285	J9	R439	H4	X101	I16
C117	G14	C203	F11	D201	G9	LN24	I6	Q356	I7	R118	I14	R291	H10	R441	H4	X102	H15
C118	I15	C204	G11	D202	F9	LN25	K6	Q357	I7	R119	I14	R292	I10	R442	H4	X103	G13
C119	I15	C205	G11	D226	G9	LN26	J2	Q376	J8	R120	I14	R301	F8	R443	H3		
C120	H16	C206	G11	D227	H9	Q101	G15	Q377	J8	R121	F15	R302	F8	R444	G4		
C121	H15	C208	G10	D251	J9	Q102	G14	Q378	J7	R122	G16	R303	F7	R445	G3		
C122	H16	C209	G11	D252	I9	Q103	H16	Q379	J7	R127	F13	R304	F7	R447	H3		
C123	G16	C210	G11	D276	J9	Q104	H15	Q380	J7	R130	F15	R305	G8	R448	H3		
C124	F16	C211	F10	D277	K9	Q105	H15	Q381	K7	R131	G14	R306	G7	R449	H2		
C125	E11	C212	G9	D301	G7	Q106	I16	Q382	J7	R132	G14	R307	G7	R450	G2		
C126	F13	C221	F8	D302	F7	Q107	H16	Q401	F5	R134	H13	R308	G7	R451	J5		
C127	F13	C222	G8	D326	G7	Q109	H15	Q402	G5	R135	H13	R309	G7	R452	I5		
C128	F13	C226	H10	D327	H7	Q110	H16	Q403	F4	R138	G13	R310	F7	R453	I5		
C129	F13	C227	G9	D351	J7	Q111	J15	Q404	F4	R150	H16	R311	F7	R454	I5		
C130	G13	C251	I12	D352	I7	Q112	H14	Q405	F4	R151	I14	R326	H8	R455	I5		
C131	H14	C252	J12	D376	J7	Q113	F16	Q409	F3	R152	I15	R327	H8	R456	I5		
C132	H13	C253	I11	D377	K7	Q114	J16	Q410	F3	R153	I15	R328	H7	R457	I5		
C133	H13	C254	J11	D401	G5	Q115	K15	Q412	F3	R154	J15	R329	H7	R458	I5		
C134	G13	C255	J11	D402	F4	Q116	I15	Q413	G4	R155	I15	R330	G8	R459	J5		
C135	H13	C256	J11	D403	G4	Q117	K15	Q414	F3	R156	J15	R331	G7	R460	I5		
C136	H13	C258	J10	D404	F3	Q127	F12	Q415	G3	R157	K16	R332	G7	R461	J4		
C137	F16	C259	J11	D426	G5	Q128	F13	Q426	H5	R158	K15	R333	G7	R462	J4		
C138	G13	C260	J11	D427	H4	Q129	F13	Q427	G5	R159	K15	R334	G7	R463	I4		
C139	G13	C261	I10	D428	G4	Q130	F13	Q428	H4	R160	K15	R335	H7	R464	I4		
C140	I16	C262	J9	D429	H3	Q131	H13	Q429	H4	R161	K14	R336	H7	R466	I4		
C141	H16	C271	I8	D451	J5	Q180	H13	Q430	H4	R162	K14	R351	I8	R467	I4		
C142	H16	C272	J8	D452	I4	Q181	I14	Q434	H3	R163	J14	R352	I8	R468	I3		
C143	H16	C276	J10	D453	J4	Q182	J14	Q435	H3	R164	J13	R353	I7	R469	J4		
C144	H15	C277	J9	D454	I3	Q183	K14	Q437	H3	R165	J13	R354	I7	R470	J3		
C145	K16	C293	H10	D476	J5	Q184	I13	Q438	G4	R166	J13	R355	J8	R472	I3		
C146	K16	C294	H10	D477	K4	Q185	J13	Q439	H3	R167	J13	R356	I7	R473	I3		
C147	K13	C296	I10	D478	J4	Q186	K13	Q440	G3	R168	K13	R357	J7	R474	I2		
C148	H16	C297	H10	D479	K3	Q201	G11	Q451	I5	R169	K13	R358	J7	R475	I2		
C149	I16	C301	F8	D841	B6	Q202	H11	Q452	I5	R170	K13	R359	I7	R476	J5		
C150	H15	C302	F8	D842	B6	Q211	F10	Q453	I4	R171	I13	R360	I7	R477	J5		
C151	H15	C303	G7	D843	B6	Q212	G10	Q454	I4	R201	H11	R361	I7	R478	K5		
C152	I15	C321	F6	D844	B6	Q213	F9	Q455	I4	R202	H11	R376	K8	R479	J5		
C153	H15	C322	G6	D845	E6	Q214	F9	Q459	I3	R203	H11	R377	K8	R480	K5		
C154	H16	C326	H8	D846	D7	Q215	G9	Q460	I3	R204	H11	R378	K7	R481	K5		
C155	H14	C327	H8	D851	A4	Q216	F9	Q462	I3	R205	H11	R379	K7	R482	J5		
C156	F14	C328	G7	D852	A4	Q217	F9	Q463	I4	R211	F9	R380	J8	R483	J5		
C157	F15	C351	I8	D853	A4	Q226	H10	Q464	I3	R212	F9	R381	J7	R484	J5		
C158	F15	C352	I8	D854	A3	Q227	G10	Q465	J3	R213	G10	R382	J7	R485	J5		
C159	K14	C353	J7	D855	A3	Q228	H9	Q476	J5	R214	G9	R383	J7	R486	J4		
C160	I14	C371	I6	D856	A3	Q229	H9	Q477	J5	R215	G9	R384	J7	R487	J4		
C161	J15	C372	J6	D857	A3	Q230	G9	Q478	J4	R216	F10	R385	K7	R488	K4		
C162	J15	C376	K8	D858	A2	Q231	H9	Q479	K4	R217	G9	R386	J7	R489	J4		
C163	J15	C377	K8	D859	E4	Q232	H9	Q480	J4	R218	G9	R401	G5	R491	J4		
C164	I15	C378	J7	D860	E2	Q251	J11	Q484	K3	R219	F9	R402	F5	R492	K4		
C165	I15	C402	F5	D861	D3	Q252	I11	Q485	K3	R220	F9	R403	G5	R493	K3		
C166	I15	C403	F4	D862	D3	Q261	I10	Q487	J3	R226	H9	R404	F5	R494	J4		
C167	I15	C405	F2	DN19	D7	Q262	I10	Q488	J4	R227	H9	R405	F5	R495	J3		
C168	J15	C406	F1	DN20	D8	Q263	I9	Q489	K3	R228	G10	R406	F5	R497	J3		
C169	J16	C421	F2	DN21	G2	Q264	I9	Q490	J3	R229	H10	R407	F5	R498	J3		
C170	J16	C422	G2	DN22	F6	Q265	I9	Q601	E8	R230	G9	R408	F5	R499	K2		
C171	J16	C427	H5	DN23	H6	Q267	I9	Q602	E8	R231	G9	R409	G5	R500	J2		
C172	J16	C428	H4	DN24	I6	Q268	I9	Q603	E8	R232	G9	R410	G5	R601	D8		
C173	K15	C430	H2	DN25	K6	Q276	J10	Q841	E6	R233	G9	R411	G4	R602	E8		
C174	K15	C431	H1	DN26	J2	Q277	J10	Q842	D6	R234	H9	R412	G4	R603	E8		
C175	K16	C452	I5	J101	F12	Q278	J9	Q851	E5	R235	H9	R413	F4	R604	E8		
C176	K15	C453	I4	J102	F15	Q279	J9	Q852	E2	R251	I11	R414	F4	R605	E8		
C177	K14	C455	I2	J103	E16	Q280	J9	Q853	D4	R252	I11	R416	F4	R606	E8		
C178	J16	C456	I1	J104	G16	Q281	K9	Q854	D2	R253	I11	R417	F4	R691	C9		
C179	K13	C471	I2	J105	F14	Q282	J9	Q855	D4	R254	I11	R418	F3	R692	C9		
C180	K13	C472	J2	J106	K15	Q292	H10	Q856	D3	R261	I9	R419	G4	R693	C9		
C181	I14	C477	K5	J108	K11	Q301	F8	QN05	D8	R262	I9	R420	G3	R841	D7		
C182	I14	C478	K4	J109	K17	Q302	G8	QN07	D8	R263	J10	R422	F3	R851	D4		
C183	J14	C480	K2	J401	G1	Q303	F7	QN08	D7	R264	I9	R423	G3	R852	D2		

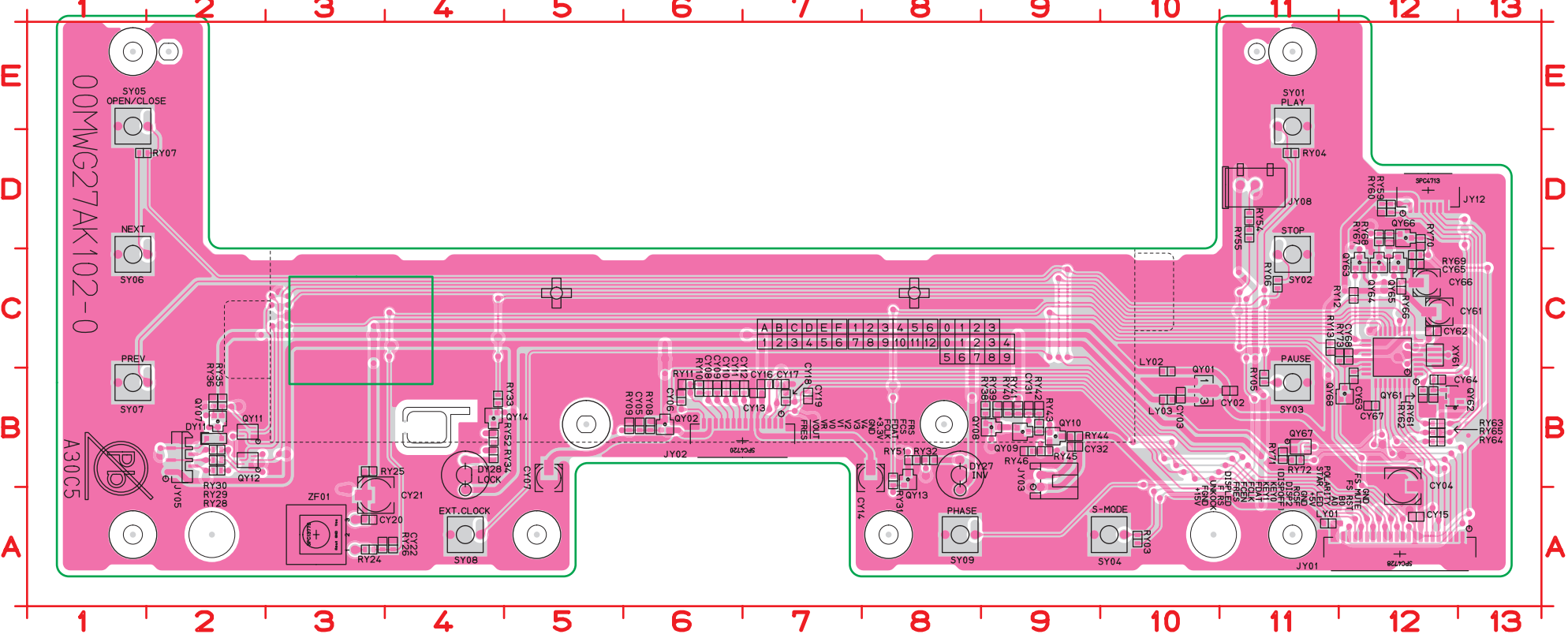
鉛フリー半田

半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。

Lead-free Solder

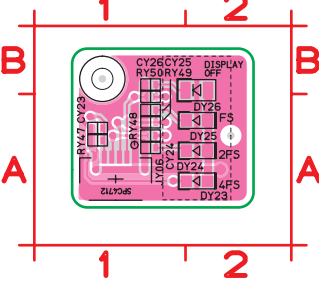
When soldering, use the Lead-free Solder (Sn-Ag-Cu).

PY16 PWB A



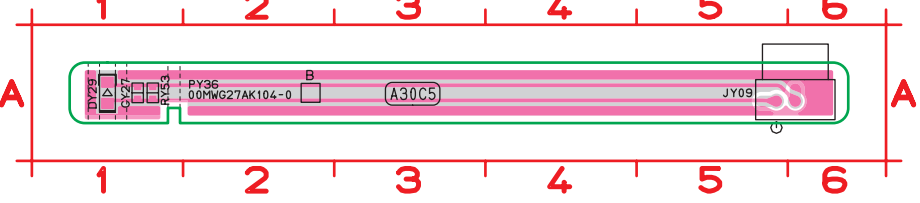
CY02	B11	JY08	D11	RY29	B2	SY03	B11
CY03	B10	JY12	D12	RY30	B2	SY04	A10
CY04	B12	LY01	A11	RY31	B8	SY05	E1
CY05	B6	LY02	B10	RY32	B8	SY06	C1
CY06	B6	LY03	B10	RY33	B4	SY07	B1
CY07	B5	QY01	B10	RY34	B4	SY08	A4
CY08	B6	QY02	B6	RY35	B2	SY09	A8
CY09	B6	QY07	B2	RY36	B2	XY61	C12
CY10	B6	QY08	B9	RY38	B9	ZF01	A3
CY11	B6	QY09	B9	RY39	B9		
CY12	B7	QY10	B9	RY40	B9		
CY13	B7	QY11	B2	RY41	B9		
CY14	B8	QY12	B2	RY42	B9		
CY15	A12	QY13	B8	RY43	B9		
CY16	B7	QY14	B4	RY44	B9		
CY17	B7	QY61	C12	RY45	B9		
CY18	B7	QY62	B12	RY46	B9		
CY19	B7	QY63	C12	RY51	B8		
CY20	A3	QY64	C12	RY52	B4		
CY21	A3	QY65	C12	RY54	D11		
CY22	A4	QY66	D12	RY55	D11		
CY31	B9	QY67	B11	RY59	D12		
CY32	B9	QY68	B12	RY60	D12		
CY61	C12	RY03	A10	RY61	B12		
CY62	C12	RY04	D11	RY62	B12		
CY63	B12	RY05	B11	RY63	B12		
CY64	B12	RY06	C11	RY64	B12		
CY65	C12	RY07	D1	RY65	B12		
CY66	C12	RY08	B6	RY66	C12		
CY67	B12	RY09	B6	RY67	D12		
CY68	C12	RY10	B6	RY68	D12		
DY11	B2	RY11	B6	RY69	C12		
DY27	B8	RY12	C12	RY70	D12		
DY28	B4	RY13	C11	RY71	B11		
JY01	A12	RY24	A3	RY72	B11		
JY02	B7	RY25	B3	RY73	C12		
JY03	B9	RY26	A3	SY01	E11		
JY05	B2	RY28	B2	SY02	C11		

PY26 PWB A



CY23	A1
CY24	A1
CY25	A1
CY26	B1
DY23	A2
DY24	A2
DY25	A2
DY26	B2
JY06	A1
RY47	A1
RY48	A1
RY49	A1
RY50	A1

PY36 PWB A



CY27	A1
DY29	A1
JY09	A5
RY53	A1

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

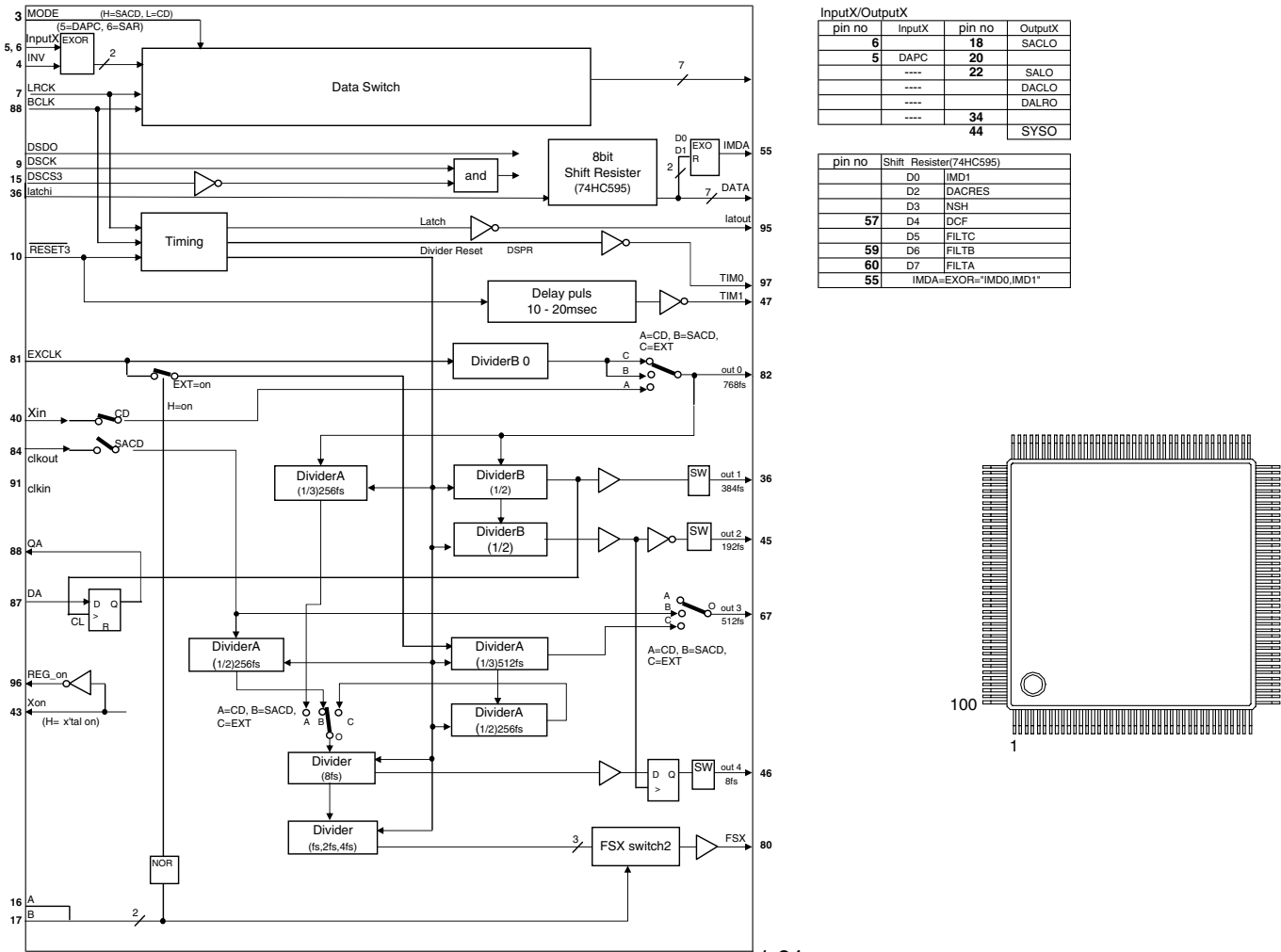
Lead-free Solder
When soldering, use the Lead-free Solder (Sn-Ag-Cu).

12. MICROPROCESSOR AND IC DATA

Q101 : FPGA XC2S15

Pin no	Signal Name	Function	Pin Usage	Pin Name
1	GND	GND		GND
2	TMS	JTAG terminal		TMS
3	MODE	Mode SW for SACT or CD input(H=SACT, L=CD)	IOB	
4	D_INV	DATA INVERS for SAR & DAPC(H=Correct, L=Invers)	IOB	IO_VREF_7
5	DAPC	DAPC input(SACT : Lch data, CD : PCM data)	IOB	
6	DARD	SACT Rch DATA input	IOB	
7	DALR	Word CLK for CD input	IOB	
8	DSDO	DSDO 8bit serial data signal	IOB	IO_VREF_7
9	DSCK	DSDO data clock signal	IOB	
10	DSRST1	RESET3 for timing(DIVIDER and DSP,DAC)	PCIIOB	IO_IRDY
11	GND	GND		GND
12	VCCO	3.3v Power supply pins for output drivers (subject to banking rules)		VCCO
13	CX	Power control for TCXO(on/off)	IOB	IO_TRDY
14	VCCINT	2.5v Power supply pins for the internal core logic.		VCCINT
15	DSCS3	DSDO data Chip serect signal	IOB	
16	CA0	Select signal A for FSX Switch selector	IOB	IO_VREF_6
17	CB0	Select signal B fot FSX Switch selector	IOB	
18	SACLO	SACTO(SACT data CLock output)	IOB	
19	SYSR	System Reset signal & MODE enable from front sub MPU	IOB	
20	SARO	SARO(SACT Rch data output)	IOB	IO_VREF_6
21	SALO	SALO(SACT Lch data output)	IOB	
22	384F	384fs output for DSP clock	IOB	
23	M1	GND(Mode pins are used to specify the configuration mode.)		M1
24	GND	GND		GND
25	M0	GND(Mode pins are used to specify the configuration mode.)		M0
26	VCCO	3.3v Power supply pins for output drivers (subject to banking rules)		VCCO
27	M2	GND(Mode pins are used to specify the configuration mode.)		M2
28	NC	NC		
29	NC	NC		
30	DACLO	DACLO(PCM data Clock output)	IOB	IO_VREF_5
31	UNUSED	NC	IOB	
32	DALRO	DALRO(PCM data word Clock output)	IOB	
33	VCCINT	2.5v Power supply pins for the internal core logic.		VCCINT
34	DAPCO	DAPCO(PCM data output)	IOB	IO_VREF_5
35	VCCINT	2.5v Power supply pins for the internal core logic.		VCCINT
36	LATCH	DSDO 8bit data Latch signal input	GCLKIOB	GCK1
37	VCCO	3.3v Power supply pins for output drivers (subject to banking rules)		VCCO
38	GND	GND		GND
39	GCK0	NC	GCLKIOB	GCK0
40	x_in 1	SACT Master clk input(67MHz)	IOB	
41	x_in 2	CD Master clk input(33MHz)	IOB	IO_VREF_4
42	VCCINT	2.5v Power supply pins for the internal core logic.		VCCINT
43	SAON	SACT OSC Power supply on	IOB	
44	SYSO	System clock for DAC	IOB	
45	192FS	192fs output for DSP56364 and SM5866AS	IOB	IO_VREF_4
46	8FS	8fs output for DSP56364 and SM5866AS	IOB	
47	DSRST	reset3 delayed 20msec for DSP and DAC	IOB	
48	GND	GND		GND
49	DONE	Connect to ROM(XCF01S)10pin 330 ohm pullup		DONE
50	VCCO	3.3v Power supply pins for output drivers (subject to banking rules)		VCCO
51	PROGRAM	Connect to ROM(XCF01S)7pin 10K ohm pullup		PROGRAM
52	IO_INIT	Connect to ROM(XCF01S)8pin 3.3K ohm pullup	IOB	IO_INIT
53	DSP_RST	Reset for DSP56364	IOB	IO_D7
54	IMD1	output A	IOB	IO_VREF_3
55	IMDA	EX_OR output from SHIFTrsistr D0(A),D1(B)	IOB	
56	N_SH	for DSP56364 of Noise shaper on/off	IOB	IO_D6
57	DC_F	for DSP56364 of DC-Filter on/off	IOB	IO_D5
58	Filter3	for DSP56364 of filter3 control.	IOB	
59	Filter2	for DSP56364 of filter2 control.	IOB	IO_VREF_3
60	Filter1	for DSP56364 of filter1 control.	IOB	IO_D4
61	VCCINT	2.5v Power supply pins for the internal core logic.		VCCINT
62	TEST_2	TEST_2	PCIIOB	IO_TRDY
63	VCCO	3.3v Power supply pins for output drivers (subject to banking rules)		VCCO
64	GND	GND		GND
65	NC	NC	PCIIOB	IO_IRDY
66	IO_D3	NC	IOB	IO_D3
67	NC	NC	IOB	IO_VREF_2

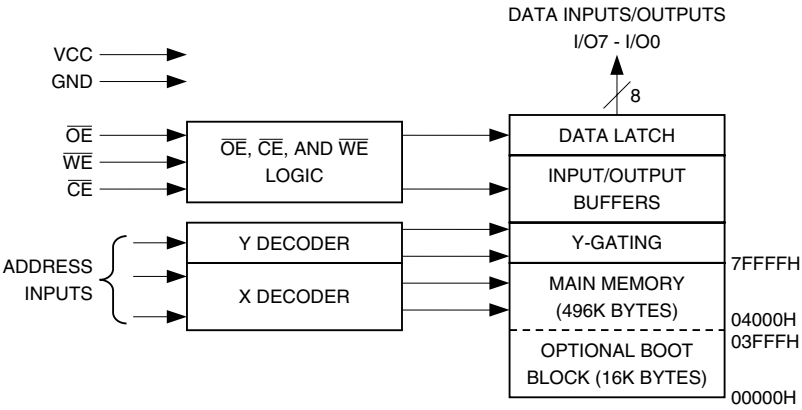
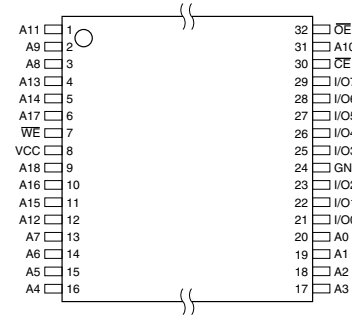
Pin no	Signal Name	Function	Pin Usage	Pin Name
68	GND	To connect GND	IOB	
69	NC	NC	IOB	IO_D2
70	TEST_3	TEST_3	IOB	IO_D1
71	FSIO	EXT_Sampling clock(3 fs output)	IOB	
72	FSI	EXT_Sampling clock(3 fs input)	IOB	IO_VREF_2
73	DOXCF	Connect to ROM(XCF01S)1pin	IOB	IO_DIN_D0
74	IO_DOUT_	NC	IOB	IO_DOUT_
	BUSY			BUSY
75	CCLK	Connect to ROM(XCF01S)2pin		CCLK
76	VCCO	3.3v Power supply pins for output drivers (subject to banking rules)		VCCO
77	TDO	JTAG terminal		TDO
78	GND	GND		GND
79	TDI	JTAG terminal		TDI
80	FSX	x fs output for PLL phase comparater	IOB	IO_CS
81	EXT_CLK	EXT_CLK(1024fs input)	IOB	IO_WRITE
82	SYCL	768fs output for Engin	IOB	IO_VREF_1
83	NC	NC	IOB	
84	ECKO	SELECT out from Switch (osc_out orEXT_CLK)	IOB	
85	VCCINT	2.5v Power supply pins for the internal core logic.		VCCINT
86	DF-DA	DIG input	IOB	IO_VREF_1
87	DF-QA	DIG Reclock out	IOB	
88	DACL	SACT or CD bit clock input	GCLKIOB	GCK2
89	GND	GND		GND
90	VCCO	3.3v Power supply pins for output drivers (subject to banking rules)		VCCO
91	CKI	Clock Input Frequency for divider	GCLKIOB	GCK3
92	VCCINT	2.5v Power supply pins for the internal core logic.		VCCINT
93	NC	NC	IOB	IO_VREF_0
94	VCCINT	2.5v Power supply pins for the internal core logic.		VCCINT
95	NC	NC	IOB	
96	EXON	for VCXO Power supply control (H=on)	IOB	
97	time<0>	reset3 delayed 1(1time of fs)	IOB	IO_VREF_0
98	NC	NC	IOB	
99	TCK	JTAG terminal		TCK
100	VCCO	3.3v Power supply pins for output drivers (subject to banking rules)		VCCO



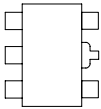
Q114 : AT49BV040B

Pin Name	Function
A0 - A18	Addresses
$\overline{CE}$	Chip Enable
$\overline{OE}$	Output Enable
$\overline{WE}$	Write Enable
I/O0 - I/O7	Data Inputs/Outputs

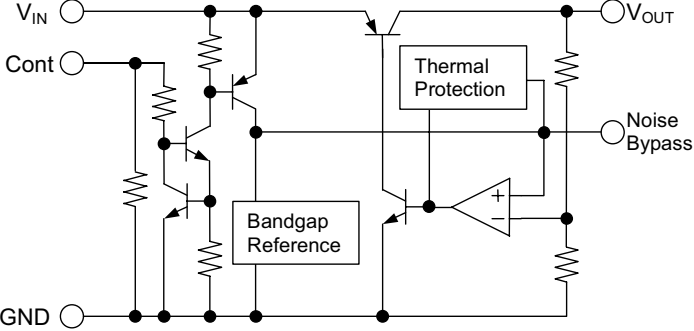
VSOP Top View (8 x 14 mm) or
TSOP Top View (8 x 20 mm)



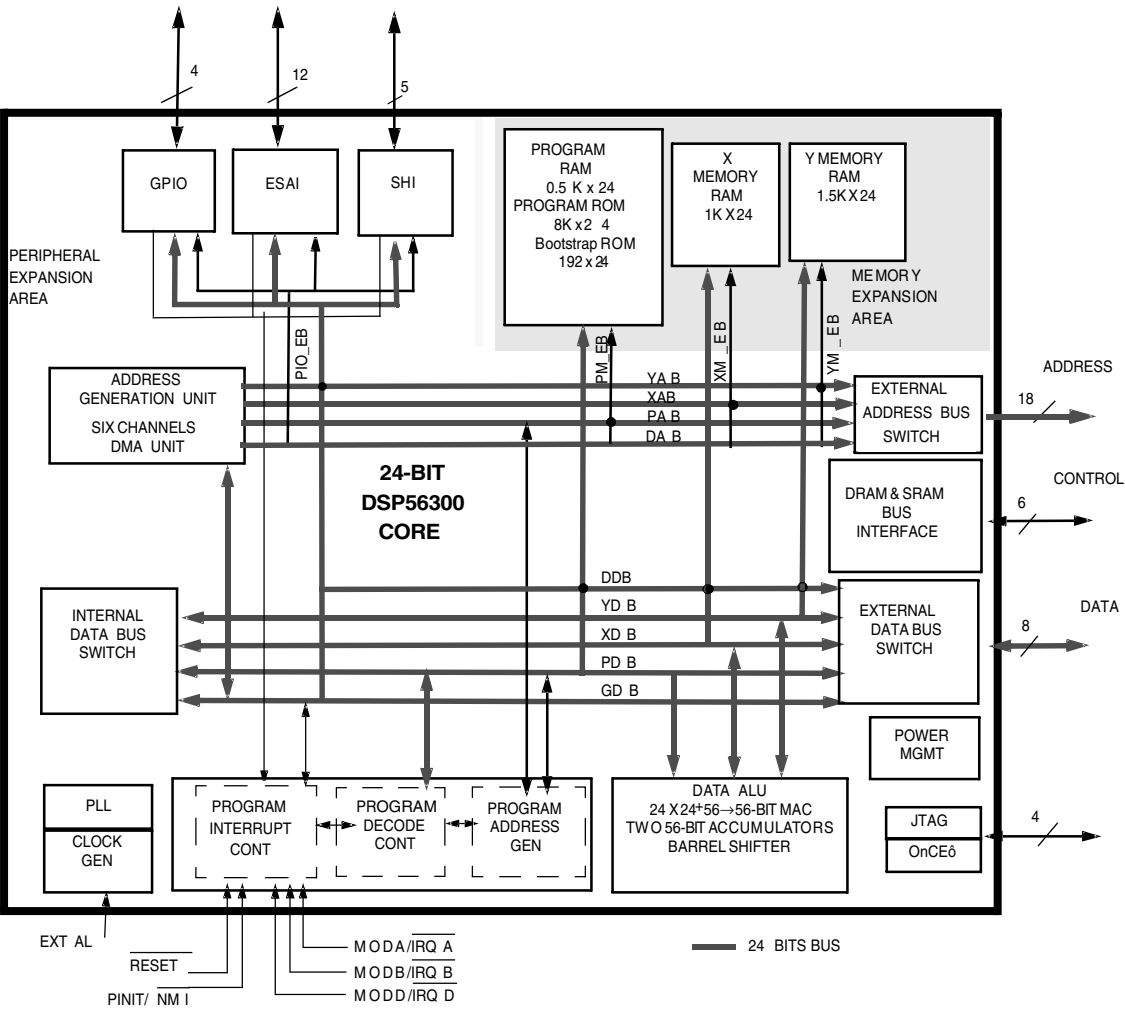
Q107 : NJM2880



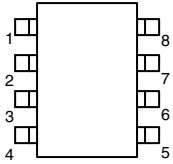
- PIN FUNCTION
- 1.CONTROL (Active High)
 - 2.GND
 - 3.NOISE BYPASS
 - 4.V_{OUT}
 - 5.V_{IN}



Q111 : DSP56364UM (PEC777f2)

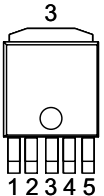


Q211 : 2SK389FM



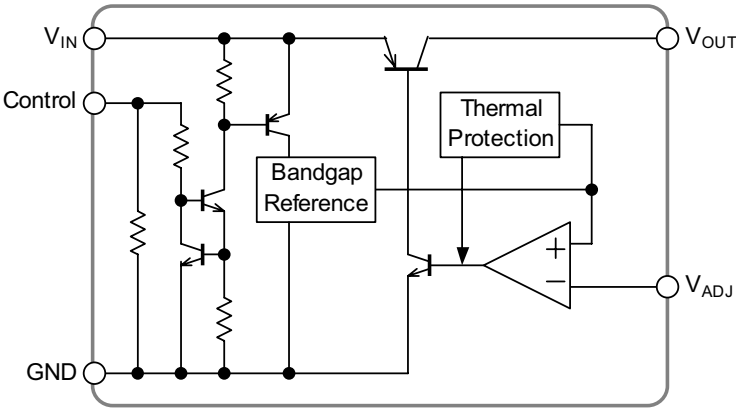
- 1. NC
- 2. DRAIN 2
- 3. GATE 2
- 4. SOURCE 2
- 5. SOURCE 1
- 6. GATE 1
- 7. DRAIN 1
- 8. SUBSTRAIGHT (SUBSTRAIGHT: OPEN)

Q202 : NJM2887

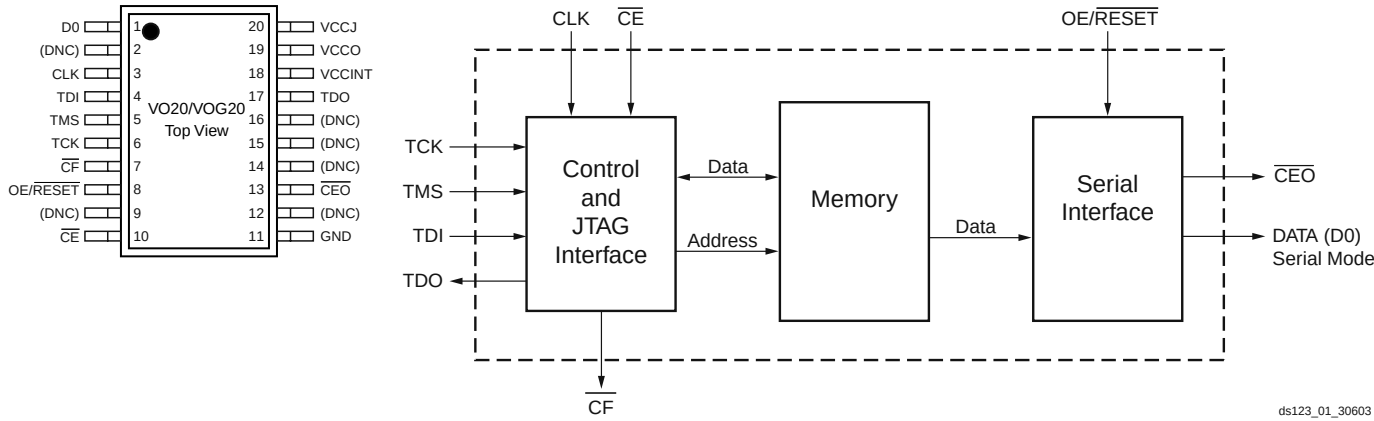


- PIN FUNCTION
- 1.CONTROL
 - 2. V_{IN}
 - 3.GND
 - 4.V_{OUT}
 - 5.V_{ADJ}

NJM2887DL2



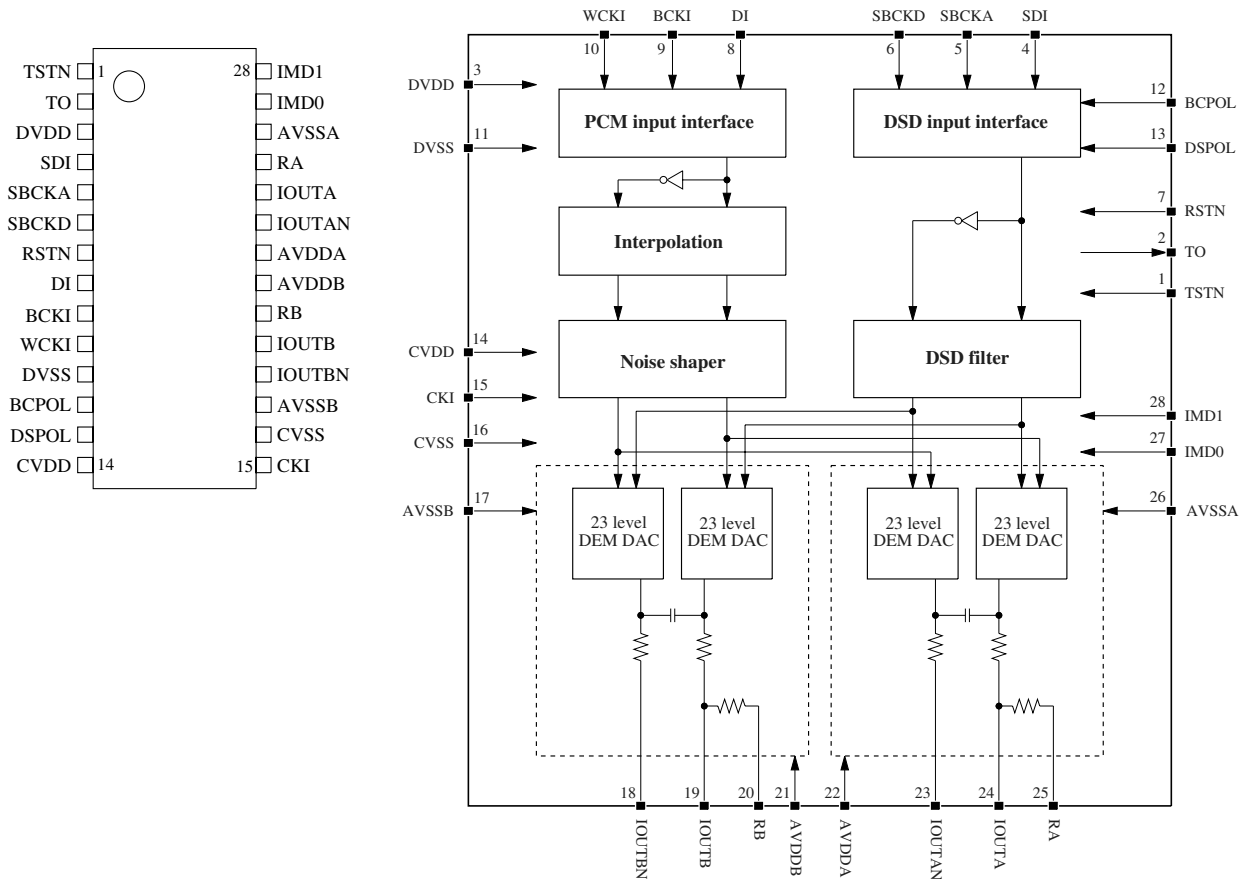
Q102 : XCF01S



Pin Name	Boundary Scan Order	Boundary Scan Function	Pin Description	20-pin TSSOP (VO20/VOG20)
D0	4	Data Out	D0 is the DATA output pin to provide data for configuring an FPGA in serial mode. The D0 output is set to a high-impedance state during ISPEN (when not clamped).	1
	3	Output Enable		
CLK	0	Data In	Configuration Clock Input. Each rising edge on the CLK input increments the internal address counter if the CLK input is selected, CE is Low, and OE/RESET is High.	3
OE/RESET	20	Data In	Output Enable/Reset (Open-Drain I/O). When Low, this input holds the address counter reset and the DATA output is in a high-impedance state. This is a bidirectional open-drain pin that is held Low while the PROM is reset. Polarity is not programmable.	8
	19	Data Out		
	18	Output Enable		
CE	15	Data In	Chip Enable Input. When CE is High, the device is put into low-power standby mode, the address counter is reset, and the DATA pins are put in a high-impedance state.	10
CF	22	Data Out	Configuration Pulse (Open-Drain Output). Allows JTAG CONFIG instruction to initiate FPGA configuration without powering down FPGA. This is an open-drain output that is pulsed Low by the JTAG CONFIG command.	7
	21	Output Enable		
CEO	12	Data Out	Chip Enable Output. Chip Enable Output (CEO) is connected to the CE input of the next PROM in the chain. This output is Low when CE is Low and OE/RESET input is High, AND the internal address counter has been incremented beyond its Terminal Count (TC) value. CEO returns to High when OE/RESET goes Low or CE goes High.	13
	11	Output Enable		
TMS		Mode Select	JTAG Mode Select Input. The state of TMS on the rising edge of TCK determines the state transitions at the Test Access Port (TAP) controller. TMS has an internal 50KΩ resistive pull-up to VCCJ to provide a logic "1" to the device if the pin is not driven.	5
TCK		Clock	JTAG Clock Input. This pin is the JTAG test clock. It sequences the TAP controller and all the JTAG test and programming electronics.	6

Pin Name	Boundary Scan Order	Boundary Scan Function	Pin Description	20-pin TSSOP (VO20/VOG20)
TDI		Data In	JTAG Serial Data Input. This pin is the serial input to all JTAG instruction and data registers. TDI has an internal 50KΩ resistive pull-up to VCCJ to provide a logic "1" to the device if the pin is not driven.	4
TDO		Data Out	JTAG Serial Data Output. This pin is the serial output for all JTAG instruction and data registers. TDO has an internal 50KΩ resistive pull-up to VCCJ to provide a logic "1" to the system if the pin is not driven.	17
VCCINT			+3.3V Supply. Positive 3.3V supply voltage for internal logic.	18
VCCO			+3.3V, 2.5V, or 1.8V I/O Supply. Positive 3.3V, 2.5V, or 1.8V supply voltage connected to the output voltage drivers and input buffers.	19
VCCJ			+3.3V, 2.5V, or 1.8V JTAG I/O Supply. Positive 3.3V, 2.5V, or 1.8V supply voltage connected to the TDO output voltage driver and TCK, TMS, and TDI input buffers.	20
GND			Ground	11
DNC			Do not connect. (These pins must be left unconnected.)	2, 9, 12, 14, 15, 16

Q201 : SM5866

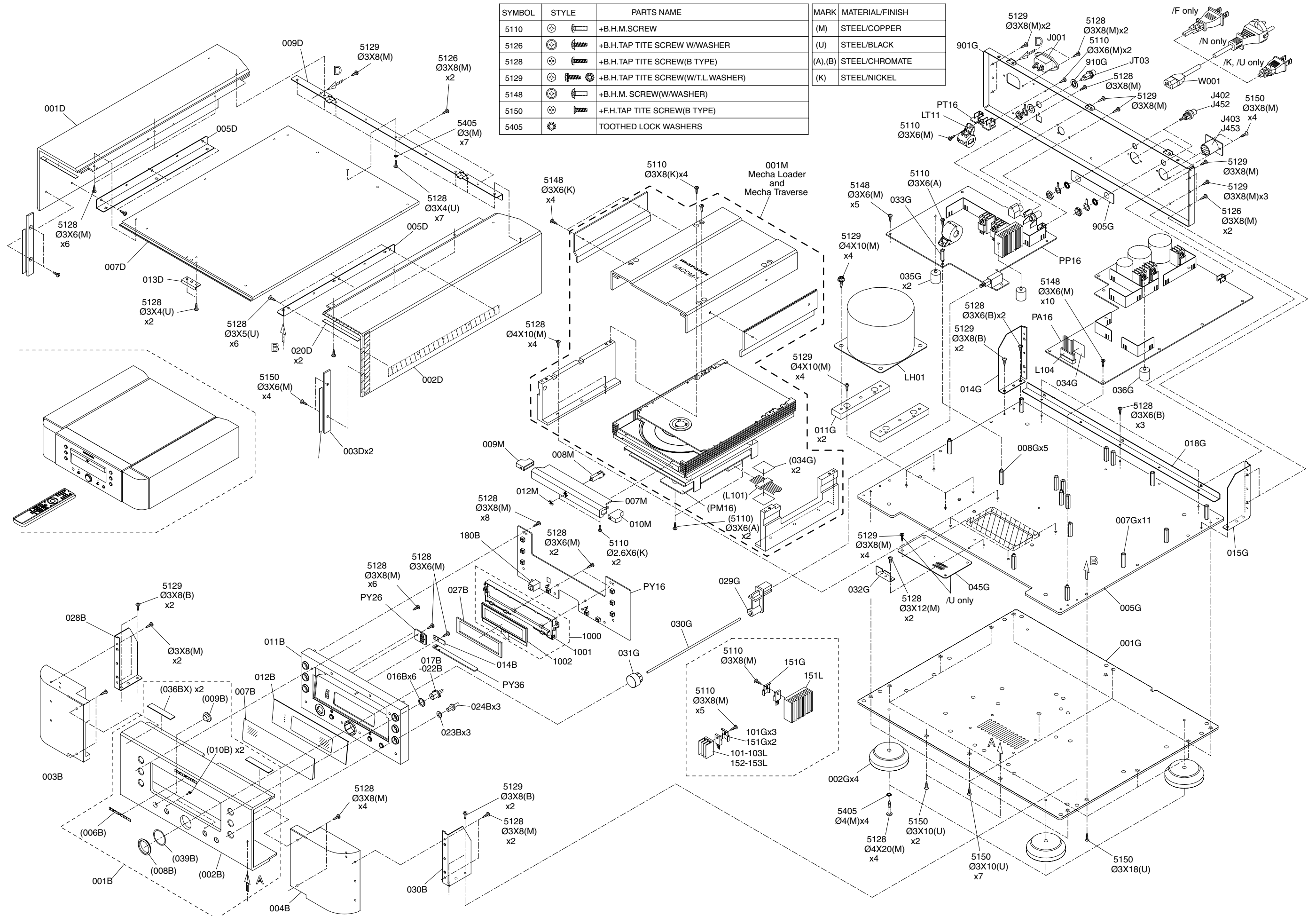


Number	Name	I/O ¹	Description
1	TSTN	Ip	Test mode use only (tie HIGH or leave open for normal operation)
2	TO	O	Test mode use only (leave open for normal operation)
3	DVDD	–	Digital supply VDD
4	SDI	Ip	DSD data input
5	SBCKA	Ip	DSD bit clock input
6	SBCKD	Ip	DSD bit clock input (tie LOW for DSD normal input mode)
7	RSTN	Ip	System reset (active LOW)
8	DI	Ip	PCM data input
9	BCKI	Ip	PCM bit clock input
10	WCKI	Ip	PCM word clock input
11	DVSS	–	Digital ground VSS
12	BCPOL	Ip	DSD mode bit clock polarity select
13	DSPOL	Ip	DSD mode data polarity select
14	CVDD	–	System clock supply VDD
15	CKI	I	System clock
16	CVSS	–	System clock ground VSS
17	AVSSB	–	B-channel analog ground VSS
18	IOUTBN	O	B-channel analog output (inverse-phase)
19	IOUTB	O	B-channel analog output (in-phase)
20	RB	I	B-channel built-in resistor connection
21	AVDDDB	–	B-channel analog supply VDD
22	AVDDA	–	A-channel analog supply VDD
23	IOUTAN	O	A-channel analog output (inverse-phase)
24	IOUTA	O	A-channel analog output (in-phase)
25	RA	I	A-channel built-in resistor connection
26	AVSSA	–	A-channel analog ground VSS
27	IMD0	Ip	Input mode select
28	IMD1	Ip	Input mode select

1. Ip = input pin with built-in pull-up resistor

1-39

1-40



P.W.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
	001B		99M27AK248410	99M27AK248410	PANEL	FRONT PANEL ASSY COLD
	002B		nsp	nsp	PANEL	FRONT AL PANEL GOLD HAIR
	003B		00M27AK063110	00M27AK063110	ESCUTCHEON	ESCUTCHEON LEFT
	004B		00M27AK063120	00M27AK063120	ESCUTCHEON	ESCUTCHEON R
	006B		nsp	nsp	BADGE	MARANTZ BADGE
	007B		00M27AK158010	00M27AK158010	WINDOW	WINDOW
	008B		nsp	nsp	RING	RING FOR POWER SWITCH
	009B		nsp	nsp	LENS	LENS FOR IR
	010B		00M269J355010	00M269J355010	LENS	LENS FOR LED
	011B		00M27AK105020	00M27AK105020	CHASSIS	FRONT MOLD CHASSIS
	017B		00M27AK270120	00M27AK270120	BUTTON	BUTTON FOR PLAY
	018B		00M27AK270130	00M27AK270130	BUTTON	BUTTON FOR STOP
	019B		00M27AK270140	00M27AK270140	BUTTON	BUTTON FOR PAUSE
	020B		00M27AK270150	00M27AK270150	BUTTON	BUTTON FOR OPEN/CLOSE
	021B		00M27AK270160	00M27AK270160	BUTTON	BUTTON FOR FF
	024B		00M27AK270180	00M27AK270180	BUTTON	BUTTON FOR CLOCK/PHASE/S.MODE
	001D		00M340J249110	00M340J249110	PANEL	SIDE PANEL LEFT
	002D		00M340J249120	00M340J249120	PANEL	SIDE PANEL RIGHT
	003D		00M340J063130	00M340J063130	ESCUTCHEON	SIDE ESCUTCHEON
	007D		00M27AK257110	00M27AK257110	LID	TOP LID
	002G		00M163J057220	00M163J057220	LEG	LEG (CUPPER)
	029G		00M18AK121010	00M18AK121010	LINK	LINK FOR POWER SWITCH
	030G		00M27AK112010	00M27AK112010	SHAFT	SHAFT FOR POWER SWITCH
	031G		00M27AK270110	00M27AK270110	BUTTON	BUTTON FOR POWER SWITCH
	036B		nsp	nsp	SHEET	SHEET FOR FRONT PANEL TOP
	039B		nsp	nsp	ADHESIVE	ADHESIVE FOR POWER RING
	910G		00M339J259030	00M339J259030	BUSHING	BUSH FOR CINCH TERMINAL
	001M		nsp	nsp	MECHANISM	SA-CD MECHA UNIT
	007M		00M27AK063130	00M27AK063130	ESCUTCHEON	TRAY ESCUTCHEON
	008M		00M27AK355010	00M27AK355010	LENS	LENS FOR TRAY ESCUTCHEON
	009M		00M27AK259110	00M27AK259110	BUSHING	BUSH FOR TRAY ESCUTCHEON L
	010M		00M27AK259120	00M27AK259120	BUSHING	BUSH FOR TRAY ESCUTCHEON R
	1000		00M18AK271520	00M18AK271520	UNIT KIT	LCD UNIT KIT
	1002		00MHQ21202990	00MHQ21202990	DISPLAY	LCD WSTN NEGATIVE96X35 TRULY
	▲ J001		00MYJ04002550	00MYJ04002550	TERMINAL	! INLET TYPE HF-301
	J402		00MYT02010740	00MYT02010740	TERMINAL	1P CINCH JACK
	J403		00MYP10002780	00MYP10002780	TERMINAL	XLR OUTPUT(GOLD PIN WITH GND)
	J452		00MYT02010740	00MYT02010740	TERMINAL	1P CINCH PIN JACK
	J453		00MYP10002780	00MYP10002780	TERMINAL	XLR OUTPUT(GOLD PIN WITH GND)
	JT03		00MYT02011300	00MYT02011300	TERMINAL	EW-2560T-LH-B
	L003		00MFC50230010	00MFC50230010	FERRITE CORE	TFCK-23-11-14
	L101		00MFC90280010	00MFC90280010	FERRITE CORE	HF70SH28*2*10 FPC FERRITE CORE
	L104		00MFC90280010	00MFC90280010	FERRITE CORE	HF70SH28*2*10 FPC FERRITE CORE
	L801		00MFC50270040	00MFC50270040	FERRITE CORE	USB-4 SLEEVE FERRITE CLAMP
	L805		00MFC50160060	00MFC50160060	FERRITE CORE	FERRITE CORE TFCK-16-8-13
	L850		00MFC50270040	00MFC50270040	FERRITE CORE	USB-4 SLEEVE FERRITE CLAMP
	▲ LH01	F N	nsp	00MTS58601010	TRANSF.	# MAIN TRANSF. 100V 50/60HZ
	▲ LH01	/K1G	nsp	00MTS58601030	TRANSF.	# MAIN TRANSF. 230V 50/60HZ
	▲ LH01	/N1G	00MTS58601030	00MTS58601030	TRANSF.	# MAIN TRANSF. 230V 50/60HZ
	▲ LH01	/U1G	nsp	00MTS58601020	TRANSF.	# MAIN TRANSF. 120V 60HZ
	LT11		00MFC50230010	00MFC50230010	FERRITE CORE	TFCK-23-11-14
	PA16		nsp	nsp	PWB ASSY	AUDIO PWB ASSY
	PP16		nsp	nsp	PWB ASSY	POWER SUPPLY PWB ASSY
	PT16		nsp	nsp	PWB ASSY	FERRITE CORE PWB ASSY
	PY16		nsp	nsp	PWB ASSY	FRONT1 PWB ASSY
	PY26		nsp	nsp	PWB ASSY	FRONT2(LED) PWB ASSY
	PY36		nsp	nsp	PWB ASSY	FRONT3(STAR LED) PWB ASSY
	W101		nsp	00MYU25080590	FPC	SMCD-25X80-BDX8(BL)+20(BL)-P1.0-S4-M
	W102		nsp	00MYU25080590	FPC	SMCD-25X80-BDX8(BL)+20(BL)-P1.0-S4-M
	WY01		nsp	00MYU22100520	FPC	SMCD-22X100-BDX6(BL)-P1.0-S4-M UL2896
	WY05		nsp	00MYU06080520	FPC	SMCD-6X80-BDX6(BL)-P1.0-S4-M UL2896
PACKING						
	001T	F N	nsp	00M27AK851110	USER GUIDE	USER GUIDE SA-7S1(F)
	001T	/K1G	nsp	00M27AK851350	USER GUIDE	USER GUIDE SA-7S1(K)
	001T	/N1G	00M27AK851310	00M27AK851310	USER GUIDE	USER GUIDE SA-7S1(N)
	001T	/U1G	nsp	00M27AK851250	USER GUIDE	USER GUIDE SA-7S1(U)
	T001		00MZK27AK0010	00MZK27AK0010	UNIT KIT	REMOTE CONTROLLER RC001SA

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

P.W.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
	▲ W001	F N	nsp	00D2062141002	MAINS CORD	# MAINS CORD W/CON&PLUG
	▲ W001	/K1G	nsp	00MZC01808030	MAINS CORD	# MAINS CORD CHINA 250V 10A
	▲ W001	/N1G	00MZC01803080	00MZC01803080	MAINS CORD	# MAINS CORD 2P 10A 250V CLASS2
	▲ W001	/U1G	nsp	00MZC01803100	MAINS CORD	# MAINS CORD UL/CSA 10A 125V
NOT STANDARD SPARE PART						
	001S		nsp	00M27AK801010	PACKING CASE	PACKING CASE SA-7S1
	003S		nsp	00M339J809010	CUSHION	CUSHION F
	004S		nsp	00M339J809020	CUSHION	CUSHION R
	010S		nsp	00M27AK805010	MASS CARTON	PACKING CASE (W)
	W081		nsp	00D2032441004	CONN. CORD	CINCH 2P CORD AUDIO

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

14. 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

0.1Ω 001	10Ω 100	1kΩ 102	100kΩ 104
0.5Ω 005	18Ω 180	2.7kΩ 272	680kΩ 684
1Ω 010	100Ω 101	10kΩ 103	1MΩ 105
6.8Ω 068	390Ω 391	22kΩ 223	4.7MΩ 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.coef.P350 ~ N1000, 50V
- ② — Capacity value
 ③ — Tolerance

Examples ;

② Tolerance (Capacity deviation)

±0.25pF.....0
 ±0.5pF.....1
 ±5%.....5

* Tolerance of COMMON PARTS handled here are as follows :

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

③ Capacity value

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

CERAMIC CAP.

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

Examples ;

④ Capacity value

100pF 101	1000pF 102	10000pF 103
470pF 471	2200pF 222	

ELECTROLY CAP. (∇)

- 5) 00MEA × × × × × 10, Electrolytic capacitor
 One-way lead type, Tolerance ±20%
- ⑤ — Working voltage
 ⑥ — Capacity value

Examples ;

⑤ Capacity value

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

⑥ Working voltage

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

FILM CAP. ($\pm$)

- 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

0.001μF (1000pF) 102	0.1μF 104
0.0018μF 182	0.56μF 564
0.01μF 103	1μF 105
0.015μF 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 – 10kΩ)

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

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

ABBREVIATION AND MARKS

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

NOTE ON FUSE :

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

NOTE ON SAFETY :

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

安全上の注意 :

がついている部品は、安全上重要な部品です。必ず指定されている部品番号の部品を使用して下さい。

P.W.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
					AUDIO PWB PA16 (00MWI27AK201-)	
PA16	C101		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C102		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C103		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C104		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C105		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C106		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C107		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C108		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C109		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C110		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C111		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C112		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C113		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C114		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C115		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C116		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C117		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C118		nsp	00MDK96681300	CER. CAP.	680PF (GR39)
PA16	C119		nsp	00MDD91060300	CER. CAP.	6 PF +-0.5 PF CH 50V GR39
PA16	C120		nsp	00MDD99030300	CER. CAP.	3 PF +-0.1 PF CJ 50V
PA16	C121		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C122		00D2574015901	00D2574015901	CER. CAP.	CE67C1C330MT(PXA)
PA16	C123		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C124		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C125		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C126		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C127		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C128		00MEY10601620	00MEY10601620	ELECT CAP.	10UF/ 16V
PA16	C129		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C130		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C133		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C134		00MEY10700620	00MEY10700620	ELECT CAP.	100UF/6.3V
PA16	C135		nsp	00MDK96105200	CER. CAP.	1UF B 6.3V
PA16	C137		nsp	00MDK96682300	CER. CAP.	6800PF (GR39)
PA16	C138		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C139		00D2574015901	00D2574015901	CER. CAP.	CE67C1C330MT(PXA)
PA16	C140		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C141		00MEY10700620	00MEY10700620	ELECT CAP.	100UF/6.3V
PA16	C142		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C143		00MEY22600620	00MEY22600620	ELECT CAP.	22UF/6.3V
PA16	C144		nsp	00MDD91100300	CER. CAP.	10 PF +-0.5 PF CH 50V GR39
PA16	C145	/U1G	nsp	00MDD95101300	CER. CAP.	100 PF +-5% CG 50V GR39
PA16	C146	/U1G	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C147	/U1G	nsp	00MDD95101300	CER. CAP.	100 PF +-5% CG 50V GR39
PA16	C148		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C149		00MEY10601620	00MEY10601620	ELECT CAP.	10UF/ 16V
PA16	C150		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C151		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C152		00D2574015901	00D2574015901	CER. CAP.	CE67C1C330MT(PXA)
PA16	C153		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C154		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C155		00MEY10700620	00MEY10700620	ELECT CAP.	100UF/6.3V
PA16	C156		nsp	00MOA47701620	ELECT CAP.	470UF 16V M RA-2
PA16	C157		nsp	00MDD95101300	CER. CAP.	100 PF +-5% CG 50V GR39
PA16	C159	/U1G	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C160		nsp	00MDD95101300	CER. CAP.	100 PF +-5% CG 50V GR39
PA16	C161		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C162		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C163		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C164		nsp	00MDK96104200	CER. CAP.	0.1 UF +-10% B 10V
PA16	C165		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C166		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C167		00MEY10700620	00MEY10700620	ELECT CAP.	100UF/6.3V
PA16	C168		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C169		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C170		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF

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P.W.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PA16	C171		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C172		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C173		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C174		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C175		00MEY10700620	00MEY10700620	ELECT CAP.	100UF/6.3V
PA16	C176		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C177		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C178		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C179	/U1G	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C180	/U1G	nsp	00MDD95101300	CER. CAP.	100 PF +-5% CG 50V GR39
PA16	C181		00MEY10700620	00MEY10700620	ELECT CAP.	100UF/6.3V
PA16	C182		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C183		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C184		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C185		00D2574015901	00D2574015901	CER. CAP.	CE67C1C330MT(PXA)
PA16	C186		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C188		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C189		00MEY22600620	00MEY22600620	ELECT CAP.	22UF/6.3V
PA16	C190		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C191		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C192		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C193		00MEY22600620	00MEY22600620	ELECT CAP.	22UF/6.3V
PA16	C194		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C195		00MEY22600620	00MEY22600620	ELECT CAP.	22UF/6.3V
PA16	C196		00MEY47601620	00MEY47601620	ELECT CAP.	47UF/ 16V
PA16	C197		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C198		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C201		nsp	00MOA477025R0	ELECT CAP.	ROA-25V 471M-I6#PE (470UF 25V)
PA16	C202		nsp	00MOA477025R0	ELECT CAP.	ROA-25V 471M-I6#PE (470UF 25V)
PA16	C203		nsp	00MOA107010R0	ELECT CAP.	ROA-10V 101M-G3#PE (100UF 10V)
PA16	C204		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C205		nsp	00MOA107010R0	ELECT CAP.	ROA-10V 101M-G3#PE (100UF 10V)
PA16	C206		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C208		nsp	00MOA107010R0	ELECT CAP.	ROA-10V 101M-G3#PE (100UF 10V)
PA16	C209		nsp	00MDK96102300	CER. CAP.	1000 PF +-10% B 50V GR36
PA16	C210		nsp	00MDD95101300	CER. CAP.	100 PF +-5% CG 50V GR39
PA16	C211		00MDF95331500	00MDF95331500	CHIP MICA	UC342H3300J 330PF 500WV
PA16	C212		00MDF95330500	00MDF95330500	CHIP MICA	UC232H0330J 33PF 500WV
PA16	C221		nsp	00MOA477025R0	ELECT CAP.	ROA-25V 471M-I6#PE (470UF 25V)
PA16	C222		nsp	00MOA477025R0	ELECT CAP.	ROA-25V 471M-I6#PE (470UF 25V)
PA16	C226		00MDF95331500	00MDF95331500	CHIP MICA	UC342H3300J 330PF 500WV
PA16	C227		00MDF95330500	00MDF95330500	CHIP MICA	UC232H0330J 33PF 500WV
PA16	C251		nsp	00MOA477025R0	ELECT CAP.	ROA-25V 471M-I6#PE (470UF 25V)
PA16	C252		nsp	00MOA477025R0	ELECT CAP.	ROA-25V 471M-I6#PE (470UF 25V)
PA16	C253		nsp	00MOA107010R0	ELECT CAP.	ROA-10V 101M-G3#PE (100UF 10V)
PA16	C254		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C255		nsp	00MOA107010R0	ELECT CAP.	ROA-10V 101M-G3#PE (100UF 10V)
PA16	C256		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C258		nsp	00MOA107010R0	ELECT CAP.	ROA-10V 101M-G3#PE (100UF 10V)
PA16	C259		nsp	00MDK96102300	CER. CAP.	1000 PF +-10% B 50V GR36
PA16	C260		nsp	00MDD95101300	CER. CAP.	100 PF +-5% CG 50V GR39
PA16	C261		00MDF95331500	00MDF95331500	CHIP MICA	UC342H3300J 330PF 500WV
PA16	C262		00MDF95330500	00MDF95330500	CHIP MICA	UC232H0330J 33PF 500WV
PA16	C271		nsp	00MOA477025R0	ELECT CAP.	ROA-25V 471M-I6#PE (470UF 25V)
PA16	C272		nsp	00MOA477025R0	ELECT CAP.	ROA-25V 471M-I6#PE (470UF 25V)
PA16	C276		00MDF95331500	00MDF95331500	CHIP MICA	UC342H3300J 330PF 500WV
PA16	C277		00MDF95330500	00MDF95330500	CHIP MICA	UC232H0330J 33PF 500WV
PA16	C293		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C294		nsp	00MOA106035Z0	ELECT CAP.	ROS-35V 100M-F3#PE (10UF 35V)
PA16	C296		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA16	C297		nsp	00MOA106035Z0	ELECT CAP.	ROS-35V 100M-F3#PE (10UF 35V)
PA16	C301		00MDF95331500	00MDF95331500	CHIP MICA	UC342H3300J 330PF 500WV
PA16	C302		00MDF95151500	00MDF95151500	CHIP MICA	UC342H1500J 150PF 500WV
PA16	C303		00MDF95330500	00MDF95330500	CHIP MICA	UC232H0330J 33PF 500WV
PA16	C321		nsp	00MOA477025R0	ELECT CAP.	ROA-25V 471M-I6#PE (470UF 25V)
PA16	C322		nsp	00MOA477025R0	ELECT CAP.	ROA-25V 471M-I6#PE (470UF 25V)
PA16	C326		00MDF95331500	00MDF95331500	CHIP MICA	UC342H3300J 330PF 500WV

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P.W.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PA16	C327		00MDF95151500	00MDF95151500	CHIP MICA	UC342H1500J 150PF 500WV
PA16	C328		00MDF95330500	00MDF95330500	CHIP MICA	UC232H0330J 33PF 500WV
PA16	C351		00MDF95331500	00MDF95331500	CHIP MICA	UC342H3300J 330PF 500WV
PA16	C352		00MDF95151500	00MDF95151500	CHIP MICA	UC342H1500J 150PF 500WV
PA16	C353		00MDF95330500	00MDF95330500	CHIP MICA	UC232H0330J 33PF 500WV
PA16	C371		nsp	00MOA477025R0	ELECT CAP.	ROA-25V 471M-I6#PE (470UF 25V)
PA16	C372		nsp	00MOA477025R0	ELECT CAP.	ROA-25V 471M-I6#PE (470UF 25V)
PA16	C376		00MDF95331500	00MDF95331500	CHIP MICA	UC342H3300J 330PF 500WV
PA16	C377		00MDF95151500	00MDF95151500	CHIP MICA	UC342H1500J 150PF 500WV
PA16	C378		00MDF95330500	00MDF95330500	CHIP MICA	UC232H0330J 33PF 500WV
PA16	C402		00MDF91100500	00MDF91100500	CHIP MICA	UC232H0100D 10PF 500WV
PA16	C403		00MDF95330500	00MDF95330500	CHIP MICA	UC232H0330J 33PF 500WV
PA16	C405		nsp	00MOA227016Z0	ELECT CAP.	ROS-16V 221M-H5#PE (220UF 16V)
PA16	C406		nsp	00MOA227016Z0	ELECT CAP.	ROS-16V 221M-H5#PE (220UF 16V)
PA16	C421		nsp	00MOA477025R0	ELECT CAP.	ROA-25V 471M-I6#PE (470UF 25V)
PA16	C422		nsp	00MOA477025R0	ELECT CAP.	ROA-25V 471M-I6#PE (470UF 25V)
PA16	C427		00MDF91100500	00MDF91100500	CHIP MICA	UC232H0100D 10PF 500WV
PA16	C428		00MDF95330500	00MDF95330500	CHIP MICA	UC232H0330J 33PF 500WV
PA16	C430		nsp	00MOA227016Z0	ELECT CAP.	ROS-16V 221M-H5#PE (220UF 16V)
PA16	C431		nsp	00MOA227016Z0	ELECT CAP.	ROS-16V 221M-H5#PE (220UF 16V)
PA16	C452		00MDF91100500	00MDF91100500	CHIP MICA	UC232H0100D 10PF 500WV
PA16	C453		00MDF95330500	00MDF95330500	CHIP MICA	UC232H0330J 33PF 500WV
PA16	C455		nsp	00MOA227016Z0	ELECT CAP.	ROS-16V 221M-H5#PE (220UF 16V)
PA16	C456		nsp	00MOA227016Z0	ELECT CAP.	ROS-16V 221M-H5#PE (220UF 16V)
PA16	C471		nsp	00MOA477025R0	ELECT CAP.	ROA-25V 471M-I6#PE (470UF 25V)
PA16	C472		nsp	00MOA477025R0	ELECT CAP.	ROA-25V 471M-I6#PE (470UF 25V)
PA16	C477		00MDF91100500	00MDF91100500	CHIP MICA	UC232H0100D 10PF 500WV
PA16	C478		00MDF95330500	00MDF95330500	CHIP MICA	UC232H0330J 33PF 500WV
PA16	C480		nsp	00MOA227016Z0	ELECT CAP.	ROS-16V 221M-H5#PE (220UF 16V)
PA16	C481		nsp	00MOA227016Z0	ELECT CAP.	ROS-16V 221M-H5#PE (220UF 16V)
PA16	C841		00MOB10803530	00MOB10803530	ELECT CAP.	1000UF 35V SPECIAL (LF)
PA16	C842		nsp	00MOA107025R0	ELECT CAP.	ROA-25V 101M-H4#PE (100UF 25V)
PA16	C843		nsp	00MOA477025R0	ELECT CAP.	ROA-25V 471M-I6#PE (470UF 25V)
PA16	C851		00MOB47803590	00MOB47803590	ELECT CAP.	4700U 35V(LAO)(LF) AQL-0298
PA16	C852		00MOB47803590	00MOB47803590	ELECT CAP.	4700U 35V(LAO)(LF) AQL-0298
PA16	C853		nsp	00MOA107025R0	ELECT CAP.	ROA-25V 101M-H4#PE (100UF 25V)
PA16	C854		nsp	00MOA107025R0	ELECT CAP.	ROA-25V 101M-H4#PE (100UF 25V)
PA16	C855		nsp	00MOA477025R0	ELECT CAP.	ROA-25V 471M-I6#PE (470UF 25V)
PA16	C856		nsp	00MOA477025R0	ELECT CAP.	ROA-25V 471M-I6#PE (470UF 25V)
PA16	CN06		nsp	00MOA47602520	ELECT CAP.	47 UF M 25V RA-2
PA16	CN08		nsp	00MOA10702520	ELECT CAP.	100 UF M 25V RA-2
PA16	CN10		00MEY10601620	00MEY10601620	ELECT CAP.	10UF/ 16V
PA16	D101		00MHZ20007210	00MHZ20007210	CHIP DIODE	IMN10 DIODE ARRAY
PA16	D102		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PA16	D201		00MHZ20007210	00MHZ20007210	CHIP DIODE	IMN10 DIODE ARRAY
PA16	D202		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302 (TE85L,F)
PA16	D226		00MHZ20007210	00MHZ20007210	CHIP DIODE	IMN10 DIODE ARRAY
PA16	D227		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302 (TE85L,F)
PA16	D251		00MHZ20007210	00MHZ20007210	CHIP DIODE	IMN10 DIODE ARRAY
PA16	D252		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302 (TE85L,F)
PA16	D276		00MHZ20007210	00MHZ20007210	CHIP DIODE	IMN10 DIODE ARRAY
PA16	D277		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302 (TE85L,F)
PA16	D301		00MHZ20007210	00MHZ20007210	CHIP DIODE	IMN10 DIODE ARRAY
PA16	D302		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302 (TE85L,F)
PA16	D326		00MHZ20007210	00MHZ20007210	CHIP DIODE	IMN10 DIODE ARRAY
PA16	D327		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302 (TE85L,F)
PA16	D351		00MHZ20007210	00MHZ20007210	CHIP DIODE	IMN10 DIODE ARRAY
PA16	D352		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302 (TE85L,F)
PA16	D376		00MHZ20007210	00MHZ20007210	CHIP DIODE	IMN10 DIODE ARRAY
PA16	D377		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302 (TE85L,F)
PA16	D401		00MHZ20007210	00MHZ20007210	CHIP DIODE	IMN10 DIODE ARRAY
PA16	D402		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302 (TE85L,F)
PA16	D403		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302 (TE85L,F)
PA16	D404		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302 (TE85L,F)
PA16	D426		00MHZ20007210	00MHZ20007210	CHIP DIODE	IMN10 DIODE ARRAY
PA16	D427		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302 (TE85L,F)
PA16	D428		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302 (TE85L,F)

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P.W.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PA16	D429		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302 (TE85L,F)
PA16	D451		00MHZ20007210	00MHZ20007210	CHIP DIODE	IMN10 DIODE ARRAY
PA16	D452		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302 (TE85L,F)
PA16	D453		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302 (TE85L,F)
PA16	D454		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302 (TE85L,F)
PA16	D476		00MHZ20007210	00MHZ20007210	CHIP DIODE	IMN10 DIODE ARRAY
PA16	D477		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302 (TE85L,F)
PA16	D478		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302 (TE85L,F)
PA16	D479		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302 (TE85L,F)
PA16	▲ D841		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PA16	▲ D842		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PA16	▲ D843		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PA16	▲ D844		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PA16	D845		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PA16	D846		00MHD30911000	00MHD30911000	ZENER DIODE	9.1V ZENER EQUIVALENT
PA16	▲ D851		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PA16	▲ D852		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PA16	▲ D853		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PA16	▲ D854		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PA16	▲ D855		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PA16	▲ D856		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PA16	▲ D857		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PA16	▲ D858		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PA16	D859		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PA16	D860		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PA16	D861		00MHD30021010	00MHD30021010	ZENER DIODE	ZENER HZ6A3L
PA16	D862		00MHD30021010	00MHD30021010	ZENER DIODE	ZENER HZ6A3L
PA16	DN19		00MHD30911000	00MHD30911000	ZENER DIODE	9.1V ZENER EQUIVALENT
PA16	DN20		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PA16	DN21		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PA16	DN22		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PA16	DN23		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PA16	DN24		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PA16	DN25		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PA16	DN26		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT
PA16	J806		00MYP10004500	00MYP10004500	PLUG	10PL-FJ(10P PLUG FJ-L)
PA16	L101		00MLU12222010	00MLU12222010	CHIP INDUCT.	NL322522-2R2M
PA16	L103		00MFM12223030	00MFM12223030	EMI FILTER	NFM41R10C223T1/B1 EMI FILTER
PA16	L131		00MFM12223030	00MFM12223030	EMI FILTER	NFM41R10C223T1/B1 EMI FILTER
PA16	L133		00MFC90020100	00MFC90020100	FERRITE CORE	FB M J2125HM330-T
PA16	L151		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PA16	L180		00D2350147909	00D2350147909	EMI FILTER	E.FIL(BLM21PG221SN1)+2125
PA16	L181		00D2350147909	00D2350147909	EMI FILTER	E.FIL(BLM21PG221SN1)+2125
PA16	L201		00MFC90020100	00MFC90020100	FERRITE CORE	FB M J2125HM330-T
PA16	L251		00MFC90020100	00MFC90020100	FERRITE CORE	FB M J2125HM330-T
PA16	LN21		00MLY20120650	00MLY20120650	RELAY	UA2-12NU
PA16	LN22		00MLY20120650	00MLY20120650	RELAY	UA2-12NU
PA16	LN23		00MLY20120650	00MLY20120650	RELAY	UA2-12NU
PA16	LN24		00MLY20120650	00MLY20120650	RELAY	UA2-12NU
PA16	LN25		00MLY20120650	00MLY20120650	RELAY	UA2-12NU
PA16	LN26		00MLY20120650	00MLY20120650	RELAY	UA2-12NU
PA16	Q101		00MHC10250990	00MHC10250990	IC	XC2S15-5VQ100C FPGA
PA16	Q102		00MHJ27AKX200	00MHJ27AKX200	EPROM/EEPROM	XCF01SV020C FOR SA-7S1
PA16	Q103		00MHC012405K0	00MHC012405K0	IC	TC7SGU04FE(TE85L F
PA16	Q104		00MHC012405K0	00MHC012405K0	IC	TC7SGU04FE(TE85L F
PA16	Q105		00MHC012405K0	00MHC012405K0	IC	TC7SGU04FE(TE85L F
PA16	Q106		00MHC98403980	00MHC98403980	IC	XC6203P332PR 3.3V 0.4A REG.
PA16	Q107		00MHC98102090	00MHC98102090	IC	NJM2880U25-TE1 2.5V REG
PA16	Q109		00MHC96303320	00MHC96303320	IC	PQ1U331M2ZPH 3.3V 300MA
PA16	Q110		00MHC96303320	00MHC96303320	IC	PQ1U331M2ZPH 3.3V 300MA
PA16	Q111		00MHC10114170	00MHC10114170	IC	DSP56364FU100 AUDIO DSP
PA16	Q112		00MHC10436050	00MHC10436050	IC	TC7SH86FU
PA16	Q113		00MBA20035210	00MBA20035210	TRS.	DTC114EU
PA16	Q114		00MHJ27AKX30F	00MHJ27AKX30F	EPROM/EEPROM	AT49BV040B-TU FOR SA-7S1
PA16	Q115		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT
PA16	Q116		00MHX300012B0	00MHX300012B0	CHIP TRS.	2SC4081(R.S) 2SC4116(GR.BL)
PA16	Q117		00MHX300012B0	00MHX300012B0	CHIP TRS.	2SC4081(R.S) 2SC4116(GR.BL)

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

P.W.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PA16	Q127		00MHC008905K0	00MHC008905K0	IC	TC7SZ08FU
PA16	Q128		00MHC96303320	00MHC96303320	IC	PQ1U331M2ZPH 3.3V 300MA
PA16	Q129		00MHC10436050	00MHC10436050	IC	TC7SH86FU
PA16	Q130		00MHC10436050	00MHC10436050	IC	TC7SH86FU
PA16	Q131		00MHC704649Z0	00MHC704649Z0	IC	74HC4046 AF (FLAT PACK)
PA16	Q180		00MHC96305320	00MHC96305320	IC	PQ1U501M2ZPH 5V 300MA
PA16	Q181		00MHC008405K0	00MHC008405K0	IC	TC74VHC86FT EXOR
PA16	Q182		00MHC008405K0	00MHC008405K0	IC	TC74VHC86FT EXOR
PA16	Q183		00MHC008405K0	00MHC008405K0	IC	TC74VHC86FT EXOR
PA16	Q184		00MHC12267990	00MHC12267990	IC	IL715ETR13 4CH DIGITAL COUPLER
PA16	Q185		00MHC12267990	00MHC12267990	IC	IL715ETR13 4CH DIGITAL COUPLER
PA16	Q186		00MHC12267990	00MHC12267990	IC	IL715ETR13 4CH DIGITAL COUPLER
PA16	Q201		00MHC10018350	00MHC10018350	IC	SM5866AS-G DSD/PCM DAC
PA16	Q202		00MHC91506090	00MHC91506090	IC	NJM2887DL2
PA16	Q211		00MHF203891A0	00MHF203891A0	F.E.T.	2SK389FM-BL
PA16	Q212		00MHX328731B0	00MHX328731B0	CHIP TRS.	2SC2873 (Y)
PA16	Q213		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA16	Q214		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA16	Q215		00MHX333241B0	00MHX333241B0	CHIP TRS.	2SC3324 (B)
PA16	Q216		00MHF201701H0	00MHF201701H0	F.E.T.	2SK170 V LANK
PA16	Q217		00MHF100741H0	00MHF100741H0	F.E.T.	2SJ74 V LANK
PA16	Q226		00MHF203891A0	00MHF203891A0	F.E.T.	2SK389FM-BL
PA16	Q227		00MHX328731B0	00MHX328731B0	CHIP TRS.	2SC2873 (Y)
PA16	Q228		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA16	Q229		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA16	Q230		00MHX333241B0	00MHX333241B0	CHIP TRS.	2SC3324 (B)
PA16	Q231		00MHF201701H0	00MHF201701H0	F.E.T.	2SK170 V LANK
PA16	Q232		00MHF100741H0	00MHF100741H0	F.E.T.	2SJ74 V LANK
PA16	Q251		00MHC10018350	00MHC10018350	IC	SM5866AS-G DSD/PCM DAC
PA16	Q252		00MHC91506090	00MHC91506090	IC	NJM2887DL2
PA16	Q261		00MHF203891A0	00MHF203891A0	F.E.T.	2SK389FM-BL
PA16	Q262		00MHX328731B0	00MHX328731B0	CHIP TRS.	2SC2873 (Y)
PA16	Q263		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA16	Q264		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA16	Q265		00MHX333241B0	00MHX333241B0	CHIP TRS.	2SC3324 (B)
PA16	Q267		00MHF201701H0	00MHF201701H0	F.E.T.	2SK170 V LANK
PA16	Q268		00MHF100741H0	00MHF100741H0	F.E.T.	2SJ74 V LANK
PA16	Q276		00MHF203891A0	00MHF203891A0	F.E.T.	2SK389FM-BL
PA16	Q277		00MHX328731B0	00MHX328731B0	CHIP TRS.	2SC2873 (Y)
PA16	Q278		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA16	Q279		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA16	Q280		00MHX333241B0	00MHX333241B0	CHIP TRS.	2SC3324 (B)
PA16	Q281		00MHF201701H0	00MHF201701H0	F.E.T.	2SK170 V LANK
PA16	Q282		00MHF100741H0	00MHF100741H0	F.E.T.	2SJ74 V LANK
PA16	Q292		00MHC10179090	00MHC10179090	IC	NJM3414AM-TE DUAL OP-AMP
PA16	Q301		00MHF203891A0	00MHF203891A0	F.E.T.	2SK389FM-BL
PA16	Q302		00MHX328731B0	00MHX328731B0	CHIP TRS.	2SC2873 (Y)
PA16	Q303		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA16	Q304		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA16	Q305		00MHX333241B0	00MHX333241B0	CHIP TRS.	2SC3324 (B)
PA16	Q306		00MHF201701H0	00MHF201701H0	F.E.T.	2SK170 V LANK
PA16	Q307		00MHF100741H0	00MHF100741H0	F.E.T.	2SJ74 V LANK
PA16	Q326		00MHF203891A0	00MHF203891A0	F.E.T.	2SK389FM-BL
PA16	Q327		00MHX328731B0	00MHX328731B0	CHIP TRS.	2SC2873 (Y)
PA16	Q328		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA16	Q329		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA16	Q330		00MHX333241B0	00MHX333241B0	CHIP TRS.	2SC3324 (B)
PA16	Q331		00MHF201701H0	00MHF201701H0	F.E.T.	2SK170 V LANK
PA16	Q332		00MHF100741H0	00MHF100741H0	F.E.T.	2SJ74 V LANK
PA16	Q351		00MHF203891A0	00MHF203891A0	F.E.T.	2SK389FM-BL
PA16	Q352		00MHX328731B0	00MHX328731B0	CHIP TRS.	2SC2873 (Y)
PA16	Q353		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA16	Q354		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA16	Q355		00MHX333241B0	00MHX333241B0	CHIP TRS.	2SC3324 (B)
PA16	Q356		00MHF201701H0	00MHF201701H0	F.E.T.	2SK170 V LANK
PA16	Q357		00MHF100741H0	00MHF100741H0	F.E.T.	2SJ74 V LANK
PA16	Q376		00MHF203891A0	00MHF203891A0	F.E.T.	2SK389FM-BL

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P.W.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PA16	Q377		00MHX328731B0	00MHX328731B0	CHIP TRS.	2SC2873 (Y)
PA16	Q378		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA16	Q379		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA16	Q380		00MHX333241B0	00MHX333241B0	CHIP TRS.	2SC3324 (B)
PA16	Q381		00MHF201701H0	00MHF201701H0	F.E.T.	2SK170 V LANK
PA16	Q382		00MHF100741H0	00MHF100741H0	F.E.T.	2SJ74 V LANK
PA16	Q401		00MHF203891A0	00MHF203891A0	F.E.T.	2SK389FM-BL
PA16	Q402		00MHX328731B0	00MHX328731B0	CHIP TRS.	2SC2873 (Y)
PA16	Q403		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA16	Q404		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA16	Q405		00MHX333241B0	00MHX333241B0	CHIP TRS.	2SC3324 (B)
PA16	Q409		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA16	Q410		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA16	Q412		00MHX333241B0	00MHX333241B0	CHIP TRS.	2SC3324 (B)
PA16	Q413		00MHX333241B0	00MHX333241B0	CHIP TRS.	2SC3324 (B)
PA16	Q414		00MHT327052A0	00MHT327052A0	TRS.	2SC2705 O OR Y
PA16	Q415		00MHT111452A0	00MHT111452A0	TRS.	2SA1145 O OR Y
PA16	Q426		00MHF203891A0	00MHF203891A0	F.E.T.	2SK389FM-BL
PA16	Q427		00MHX328731B0	00MHX328731B0	CHIP TRS.	2SC2873 (Y)
PA16	Q428		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA16	Q429		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA16	Q430		00MHX333241B0	00MHX333241B0	CHIP TRS.	2SC3324 (B)
PA16	Q434		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA16	Q435		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA16	Q437		00MHX333241B0	00MHX333241B0	CHIP TRS.	2SC3324 (B)
PA16	Q438		00MHX333241B0	00MHX333241B0	CHIP TRS.	2SC3324 (B)
PA16	Q439		00MHT327052A0	00MHT327052A0	TRS.	2SC2705 O OR Y
PA16	Q440		00MHT111452A0	00MHT111452A0	TRS.	2SA1145 O OR Y
PA16	Q451		00MHF203891A0	00MHF203891A0	F.E.T.	2SK389FM-BL
PA16	Q452		00MHX328731B0	00MHX328731B0	CHIP TRS.	2SC2873 (Y)
PA16	Q453		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA16	Q454		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA16	Q455		00MHX333241B0	00MHX333241B0	CHIP TRS.	2SC3324 (B)
PA16	Q459		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA16	Q460		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA16	Q462		00MHX333241B0	00MHX333241B0	CHIP TRS.	2SC3324 (B)
PA16	Q463		00MHX333241B0	00MHX333241B0	CHIP TRS.	2SC3324 (B)
PA16	Q464		00MHT327052A0	00MHT327052A0	TRS.	2SC2705 O OR Y
PA16	Q465		00MHT111452A0	00MHT111452A0	TRS.	2SA1145 O OR Y
PA16	Q476		00MHF203891A0	00MHF203891A0	F.E.T.	2SK389FM-BL
PA16	Q477		00MHX328731B0	00MHX328731B0	CHIP TRS.	2SC2873 (Y)
PA16	Q478		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA16	Q479		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA16	Q480		00MHX333241B0	00MHX333241B0	CHIP TRS.	2SC3324 (B)
PA16	Q484		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA16	Q485		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA16	Q487		00MHX333241B0	00MHX333241B0	CHIP TRS.	2SC3324 (B)
PA16	Q488		00MHX333241B0	00MHX333241B0	CHIP TRS.	2SC3324 (B)
PA16	Q489		00MHT327052A0	00MHT327052A0	TRS.	2SC2705 O OR Y
PA16	Q490		00MHT111452A0	00MHT111452A0	TRS.	2SA1145 O OR Y
PA16	Q601		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PA16	Q602		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PA16	Q603		00MHX207982A0	00MHX207982A0	CHIP TRS.	2SB798 (DL,DK)
PA16	▲ Q841		00MHT41415100	00MHT41415100	TRS.	! TRANSISTOR 2SD1415
PA16	Q842		00MHF202461C0	00MHF202461C0	F.E.T.	2SK246 (GR)
PA16	▲ Q851		00MHT41415100	00MHT41415100	TRS.	! TRANSISTOR 2SD1415
PA16	▲ Q852		00MHT21020100	00MHT21020100	TRS.	! 2SB1020
PA16	Q853		00MHF202461C0	00MHF202461C0	F.E.T.	2SK246 (GR)
PA16	Q854		00MHF202461C0	00MHF202461C0	F.E.T.	2SK246 (GR)
PA16	Q855		00MHT322402A0	00MHT322402A0	TRS.	2SC2240 GR OR BL
PA16	Q856		00MHT109702A0	00MHT109702A0	TRS.	2SA970 (GR) OR (BL)
PA16	▲ QN05		00MHC3851209F	00MHC3851209F	IC	! NJM78M12FA
PA16	QN07		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PA16	QN08		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PA16	QN09		00MHX207982A0	00MHX207982A0	CHIP TRS.	2SB798 (DL,DK)
PA16	QN10		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PA16	R102		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W

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P.W.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PA16	R103		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PA16	R104		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PA16	R105		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PA16	R106		nsp	00MNN05183610	CHIP RES.	18K OHM +-5% 1/16W
PA16	R107		nsp	00MNN05331610	CHIP RES.	330 OHM +-5% 1/16W
PA16	R108		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PA16	R109		nsp	00MNN05332610	CHIP RES.	3.3K OHM +-5% 1/16W
PA16	R111		nsp	00MNN05561610	CHIP RES.	560 OHM +-5% 1/16W
PA16	R112		nsp	00MNN05105610	CHIP RES.	1M OHM +-5% 1/16W
PA16	R113		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PA16	R114		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PA16	R116		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PA16	R117		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PA16	R118		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PA16	R119		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PA16	R120		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PA16	R121		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PA16	R122		nsp	00MNN05104610	CHIP RES.	100K OHM +-5% 1/16W
PA16	R127		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PA16	R130		nsp	00MNN05680610	CHIP RES.	68 OHM +-5% 1/16W
PA16	R131		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PA16	R132		nsp	00MNN05473610	CHIP RES.	47K OHM +-5% 1/16W
PA16	R134		nsp	00MNN05273610	CHIP RES.	27K OHM +-5% 1/16W
PA16	R135		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PA16	R138		nsp	00MNN05100610	CHIP RES.	10 OHM +-5% 1/16W
PA16	R150		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PA16	R151		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PA16	R152		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PA16	R153		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PA16	R154		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PA16	R155		nsp	00MNN05100610	CHIP RES.	10 OHM +-5% 1/16W
PA16	R156		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PA16	R157		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PA16	R158		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PA16	R159		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PA16	R160		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PA16	R161		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PA16	R162		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PA16	R163		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PA16	R164		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PA16	R165		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PA16	R166		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PA16	R167		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PA16	R168		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PA16	R169		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PA16	R170		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PA16	R171		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PA16	R201		00MNI05222110	00MNI05222110	CHIP RES.	2.2K OHM +-5% 1/10W
PA16	R202		nsp	00MGM11433210	CHIP RES.	3.32K OHM +-1% 1/4W
PA16	R203		00MNI05562110	00MNI05562110	CHIP RES.	5.6K OHM +-5% 1/10W
PA16	R204		nsp	00MGM11468110	CHIP RES.	6.81K OHM +-1% 1/4W
PA16	R205		00MRA04720780	00MRA04720780	TRIM. RES.	4.7KOHM RH0638CS3R
PA16	R211		nsp	00MGM11412100	CHIP RES.	121 OHM +-1% 1/4W
PA16	R212		nsp	00MGM11412100	CHIP RES.	121 OHM +-1% 1/4W
PA16	R213		nsp	00MGM114681G0	CHIP RES.	68.1 OHM +-1% 1/4W
PA16	R214		nsp	00MGM11433220	CHIP RES.	33.2K OHM +-1% 1/4W
PA16	R215		nsp	00MGM11456200	CHIP RES.	562 OHM +-1% 1/4W
PA16	R216		nsp	00MGM11468110	CHIP RES.	6.81K OHM +-1% 1/4W
PA16	R217		nsp	00MGM11456200	CHIP RES.	562 OHM +-1% 1/4W
PA16	R218		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA16	R219		nsp	00MGM114332G0	CHIP RES.	33.2 OHM +-1% 1/4W
PA16	R220		nsp	00MGM114332G0	CHIP RES.	33.2 OHM +-1% 1/4W
PA16	R226		nsp	00MGM11412100	CHIP RES.	121 OHM +-1% 1/4W
PA16	R227		nsp	00MGM11412100	CHIP RES.	121 OHM +-1% 1/4W
PA16	R228		nsp	00MGM114681G0	CHIP RES.	68.1 OHM +-1% 1/4W
PA16	R229		nsp	00MGM11468110	CHIP RES.	6.81K OHM +-1% 1/4W
PA16	R230		nsp	00MGM11433220	CHIP RES.	33.2K OHM +-1% 1/4W

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P.W.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PA16	R231		nsp	00MGM11456200	CHIP RES.	562 OHM +-1% 1/4W
PA16	R232		nsp	00MGM11456200	CHIP RES.	562 OHM +-1% 1/4W
PA16	R233		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA16	R234		nsp	00MGM114332G0	CHIP RES.	33.2 OHM +-1% 1/4W
PA16	R235		nsp	00MGM114332G0	CHIP RES.	33.2 OHM +-1% 1/4W
PA16	R251		00MNI05222110	00MNI05222110	CHIP RES.	2.2K OHM +-5% 1/10W
PA16	R252		nsp	00MGM11433210	CHIP RES.	3.32K OHM +-1% 1/4W
PA16	R253		00MNI05562110	00MNI05562110	CHIP RES.	5.6K OHM +-5% 1/10W
PA16	R254		nsp	00MGM11468110	CHIP RES.	6.81K OHM +-1% 1/4W
PA16	R261		nsp	00MGM11412100	CHIP RES.	121 OHM +-1% 1/4W
PA16	R262		nsp	00MGM11412100	CHIP RES.	121 OHM +-1% 1/4W
PA16	R263		nsp	00MGM114681G0	CHIP RES.	68.1 OHM +-1% 1/4W
PA16	R264		nsp	00MGM11433220	CHIP RES.	33.2K OHM +-1% 1/4W
PA16	R265		nsp	00MGM11456200	CHIP RES.	562 OHM +-1% 1/4W
PA16	R266		nsp	00MGM11468110	CHIP RES.	6.81K OHM +-1% 1/4W
PA16	R267		nsp	00MGM11456200	CHIP RES.	562 OHM +-1% 1/4W
PA16	R268		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA16	R269		nsp	00MGM114332G0	CHIP RES.	33.2 OHM +-1% 1/4W
PA16	R270		nsp	00MGM114332G0	CHIP RES.	33.2 OHM +-1% 1/4W
PA16	R276		nsp	00MGM11412100	CHIP RES.	121 OHM +-1% 1/4W
PA16	R277		nsp	00MGM11412100	CHIP RES.	121 OHM +-1% 1/4W
PA16	R278		nsp	00MGM114681G0	CHIP RES.	68.1 OHM +-1% 1/4W
PA16	R279		nsp	00MGM11468110	CHIP RES.	6.81K OHM +-1% 1/4W
PA16	R280		nsp	00MGM11433220	CHIP RES.	33.2K OHM +-1% 1/4W
PA16	R281		nsp	00MGM11456200	CHIP RES.	562 OHM +-1% 1/4W
PA16	R282		nsp	00MGM11456200	CHIP RES.	562 OHM +-1% 1/4W
PA16	R283		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA16	R284		nsp	00MGM114332G0	CHIP RES.	33.2 OHM +-1% 1/4W
PA16	R285		nsp	00MGM114332G0	CHIP RES.	33.2 OHM +-1% 1/4W
PA16	R291		nsp	00MGM11451110	CHIP RES.	RN412ETTE5112F50 MELF
PA16	R292		nsp	00MGM11422610	CHIP RES.	2.26K OHM +-1% 1/4W
PA16	R301		nsp	00MGM11475010	CHIP RES.	7.5K OHM +-1% 1/4W MELF
PA16	R302		nsp	00MGM11491010	CHIP RES.	9.1K OHM +-1% 1/4W MELF
PA16	R303		nsp	00MGM11412100	CHIP RES.	121 OHM +-1% 1/4W
PA16	R304		nsp	00MGM11412100	CHIP RES.	121 OHM +-1% 1/4W
PA16	R305		nsp	00MGM114681G0	CHIP RES.	68.1 OHM +-1% 1/4W
PA16	R306		nsp	00MGM11433220	CHIP RES.	33.2K OHM +-1% 1/4W
PA16	R307		nsp	00MGM11456200	CHIP RES.	562 OHM +-1% 1/4W
PA16	R308		nsp	00MGM11456200	CHIP RES.	562 OHM +-1% 1/4W
PA16	R309		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA16	R310		nsp	00MGM114332G0	CHIP RES.	33.2 OHM +-1% 1/4W
PA16	R311		nsp	00MGM114332G0	CHIP RES.	33.2 OHM +-1% 1/4W
PA16	R326		nsp	00MGM11475010	CHIP RES.	7.5K OHM +-1% 1/4W MELF
PA16	R327		nsp	00MGM11491010	CHIP RES.	9.1K OHM +-1% 1/4W MELF
PA16	R328		nsp	00MGM11412100	CHIP RES.	121 OHM +-1% 1/4W
PA16	R329		nsp	00MGM11412100	CHIP RES.	121 OHM +-1% 1/4W
PA16	R330		nsp	00MGM114681G0	CHIP RES.	68.1 OHM +-1% 1/4W
PA16	R331		nsp	00MGM11433220	CHIP RES.	33.2K OHM +-1% 1/4W
PA16	R332		nsp	00MGM11456200	CHIP RES.	562 OHM +-1% 1/4W
PA16	R333		nsp	00MGM11456200	CHIP RES.	562 OHM +-1% 1/4W
PA16	R334		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA16	R335		nsp	00MGM114332G0	CHIP RES.	33.2 OHM +-1% 1/4W
PA16	R336		nsp	00MGM114332G0	CHIP RES.	33.2 OHM +-1% 1/4W
PA16	R351		nsp	00MGM11475010	CHIP RES.	7.5K OHM +-1% 1/4W MELF
PA16	R352		nsp	00MGM11491010	CHIP RES.	9.1K OHM +-1% 1/4W MELF
PA16	R353		nsp	00MGM11412100	CHIP RES.	121 OHM +-1% 1/4W
PA16	R354		nsp	00MGM11412100	CHIP RES.	121 OHM +-1% 1/4W
PA16	R355		nsp	00MGM114681G0	CHIP RES.	68.1 OHM +-1% 1/4W
PA16	R356		nsp	00MGM11433220	CHIP RES.	33.2K OHM +-1% 1/4W
PA16	R357		nsp	00MGM11456200	CHIP RES.	562 OHM +-1% 1/4W
PA16	R358		nsp	00MGM11456200	CHIP RES.	562 OHM +-1% 1/4W
PA16	R359		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA16	R360		nsp	00MGM114332G0	CHIP RES.	33.2 OHM +-1% 1/4W
PA16	R361		nsp	00MGM114332G0	CHIP RES.	33.2 OHM +-1% 1/4W
PA16	R376		nsp	00MGM11475010	CHIP RES.	7.5K OHM +-1% 1/4W MELF
PA16	R377		nsp	00MGM11491010	CHIP RES.	9.1K OHM +-1% 1/4W MELF
PA16	R378		nsp	00MGM11412100	CHIP RES.	121 OHM +-1% 1/4W

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P.W.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PA16	R379		nsp	00MGM11412100	CHIP RES.	121 OHM +-1% 1/4W
PA16	R380		nsp	00MGM114681G0	CHIP RES.	68.1 OHM +-1% 1/4W
PA16	R381		nsp	00MGM11433220	CHIP RES.	33.2K OHM +-1% 1/4W
PA16	R382		nsp	00MGM11456200	CHIP RES.	562 OHM +-1% 1/4W
PA16	R383		nsp	00MGM11456200	CHIP RES.	562 OHM +-1% 1/4W
PA16	R384		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA16	R385		nsp	00MGM114332G0	CHIP RES.	33.2 OHM +-1% 1/4W
PA16	R386		nsp	00MGM114332G0	CHIP RES.	33.2 OHM +-1% 1/4W
PA16	R401		nsp	00MGM11422610	CHIP RES.	2.26K OHM +-1% 1/4W
PA16	R402		nsp	00MGM11430110	CHIP RES.	3.01K OHM +-1% 1/4W
PA16	R403		nsp	00MGM11475010	CHIP RES.	7.5K OHM +-1% 1/4W MELF
PA16	R404		nsp	00MGM11468110	CHIP RES.	6.81K OHM +-1% 1/4W
PA16	R405		nsp	00MGM11491010	CHIP RES.	9.1K OHM +-1% 1/4W MELF
PA16	R406		nsp	00MGM11422620	CHIP RES.	RN412ETTE2262F50 22.6K OHM +-1% 1/4W
PA16	R407		nsp	00MGM11412100	CHIP RES.	121 OHM +-1% 1/4W
PA16	R408		nsp	00MGM11412100	CHIP RES.	121 OHM +-1% 1/4W
PA16	R409		nsp	00MGM114681G0	CHIP RES.	68.1 OHM +-1% 1/4W
PA16	R410		nsp	00MGM11433220	CHIP RES.	33.2K OHM +-1% 1/4W
PA16	R411		nsp	00MGM11456200	CHIP RES.	562 OHM +-1% 1/4W
PA16	R412		nsp	00MGM11456200	CHIP RES.	562 OHM +-1% 1/4W
PA16	R413		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA16	R414		nsp	00MGM11446420	CHIP RES.	46.4K OHM +-1% 1/4W
PA16	R416		nsp	00MGM11410000	CHIP RES.	100 OHM +-1% 1/4W
PA16	R417		nsp	00MGM11446400	CHIP RES.	464 OHM +-1% 1/4W
PA16	R418		nsp	00MGM11417800	CHIP RES.	178 OHM +-1% 1/4W
PA16	R419		nsp	00MGM11446400	CHIP RES.	464 OHM +-1% 1/4W
PA16	R420		nsp	00MGM11417800	CHIP RES.	178 OHM +-1% 1/4W
PA16	R422		nsp	00MGM114100G0	CHIP RES.	10 OHM +-1% 1/4W
PA16	R423		nsp	00MGM114100G0	CHIP RES.	10 OHM +-1% 1/4W
PA16	R424		nsp	00MGM114464G0	CHIP RES.	46.4 OHM +-1% 1/4W
PA16	R425		nsp	00MGM11410030	CHIP RES.	100K OHM +-1% 1/4W
PA16	R426		nsp	00MGM11422610	CHIP RES.	2.26K OHM +-1% 1/4W
PA16	R427		nsp	00MGM11430110	CHIP RES.	3.01K OHM +-1% 1/4W
PA16	R428		nsp	00MGM11475010	CHIP RES.	7.5K OHM +-1% 1/4W MELF
PA16	R429		nsp	00MGM11468110	CHIP RES.	6.81K OHM +-1% 1/4W
PA16	R430		nsp	00MGM11491010	CHIP RES.	9.1K OHM +-1% 1/4W MELF
PA16	R431		nsp	00MGM11422620	CHIP RES.	RN412ETTE2262F50 22.6K OHM +-1% 1/4W
PA16	R432		nsp	00MGM11412100	CHIP RES.	121 OHM +-1% 1/4W
PA16	R433		nsp	00MGM11412100	CHIP RES.	121 OHM +-1% 1/4W
PA16	R434		nsp	00MGM114681G0	CHIP RES.	68.1 OHM +-1% 1/4W
PA16	R435		nsp	00MGM11433220	CHIP RES.	33.2K OHM +-1% 1/4W
PA16	R436		nsp	00MGM11456200	CHIP RES.	562 OHM +-1% 1/4W
PA16	R437		nsp	00MGM11456200	CHIP RES.	562 OHM +-1% 1/4W
PA16	R438		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA16	R439		nsp	00MGM11446420	CHIP RES.	46.4K OHM +-1% 1/4W
PA16	R441		nsp	00MGM11410000	CHIP RES.	100 OHM +-1% 1/4W
PA16	R442		nsp	00MGM11446400	CHIP RES.	464 OHM +-1% 1/4W
PA16	R443		nsp	00MGM11417800	CHIP RES.	178 OHM +-1% 1/4W
PA16	R444		nsp	00MGM11446400	CHIP RES.	464 OHM +-1% 1/4W
PA16	R445		nsp	00MGM11417800	CHIP RES.	178 OHM +-1% 1/4W
PA16	R447		nsp	00MGM114100G0	CHIP RES.	10 OHM +-1% 1/4W
PA16	R448		nsp	00MGM114100G0	CHIP RES.	10 OHM +-1% 1/4W
PA16	R449		nsp	00MGM114464G0	CHIP RES.	46.4 OHM +-1% 1/4W
PA16	R450		nsp	00MGM11410030	CHIP RES.	100K OHM +-1% 1/4W
PA16	R451		nsp	00MGM11422610	CHIP RES.	2.26K OHM +-1% 1/4W
PA16	R452		nsp	00MGM11430110	CHIP RES.	3.01K OHM +-1% 1/4W
PA16	R453		nsp	00MGM11475010	CHIP RES.	7.5K OHM +-1% 1/4W MELF
PA16	R454		nsp	00MGM11468110	CHIP RES.	6.81K OHM +-1% 1/4W
PA16	R455		nsp	00MGM11491010	CHIP RES.	9.1K OHM +-1% 1/4W MELF
PA16	R456		nsp	00MGM11422620	CHIP RES.	RN412ETTE2262F50 22.6K OHM +-1% 1/4W
PA16	R457		nsp	00MGM11412100	CHIP RES.	121 OHM +-1% 1/4W
PA16	R458		nsp	00MGM11412100	CHIP RES.	121 OHM +-1% 1/4W
PA16	R459		nsp	00MGM114681G0	CHIP RES.	68.1 OHM +-1% 1/4W
PA16	R460		nsp	00MGM11433220	CHIP RES.	33.2K OHM +-1% 1/4W
PA16	R461		nsp	00MGM11456200	CHIP RES.	562 OHM +-1% 1/4W
PA16	R462		nsp	00MGM11456200	CHIP RES.	562 OHM +-1% 1/4W
PA16	R463		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W

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P.W.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PA16	R464		nsp	00MGM11446420	CHIP RES.	46.4K OHM +-1% 1/4W
PA16	R466		nsp	00MGM11410000	CHIP RES.	100 OHM +-1% 1/4W
PA16	R467		nsp	00MGM11446400	CHIP RES.	464 OHM +-1% 1/4W
PA16	R468		nsp	00MGM11417800	CHIP RES.	178 OHM +-1% 1/4W
PA16	R469		nsp	00MGM11446400	CHIP RES.	464 OHM +-1% 1/4W
PA16	R470		nsp	00MGM11417800	CHIP RES.	178 OHM +-1% 1/4W
PA16	R472		nsp	00MGM114100G0	CHIP RES.	10 OHM +-1% 1/4W
PA16	R473		nsp	00MGM114100G0	CHIP RES.	10 OHM +-1% 1/4W
PA16	R474		nsp	00MGM114464G0	CHIP RES.	46.4 OHM +-1% 1/4W
PA16	R475		nsp	00MGM11410030	CHIP RES.	100K OHM +-1% 1/4W
PA16	R476		nsp	00MGM11422610	CHIP RES.	2.26K OHM +-1% 1/4W
PA16	R477		nsp	00MGM11430110	CHIP RES.	3.01K OHM +-1% 1/4W
PA16	R478		nsp	00MGM11475010	CHIP RES.	7.5K OHM +-1% 1/4W MELF
PA16	R479		nsp	00MGM11468110	CHIP RES.	6.81K OHM +-1% 1/4W
PA16	R480		nsp	00MGM11491010	CHIP RES.	9.1K OHM +-1% 1/4W MELF
PA16	R481		nsp	00MGM11422620	CHIP RES.	RN412ETTE2262F50 22.6K OHM +-1% 1/4W
PA16	R482		nsp	00MGM11412100	CHIP RES.	121 OHM +-1% 1/4W
PA16	R483		nsp	00MGM11412100	CHIP RES.	121 OHM +-1% 1/4W
PA16	R484		nsp	00MGM114681G0	CHIP RES.	68.1 OHM +-1% 1/4W
PA16	R485		nsp	00MGM11433220	CHIP RES.	33.2K OHM +-1% 1/4W
PA16	R486		nsp	00MGM11456200	CHIP RES.	562 OHM +-1% 1/4W
PA16	R487		nsp	00MGM11456200	CHIP RES.	562 OHM +-1% 1/4W
PA16	R488		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA16	R489		nsp	00MGM11446420	CHIP RES.	46.4K OHM +-1% 1/4W
PA16	R491		nsp	00MGM11410000	CHIP RES.	100 OHM +-1% 1/4W
PA16	R492		nsp	00MGM11446400	CHIP RES.	464 OHM +-1% 1/4W
PA16	R493		nsp	00MGM11417800	CHIP RES.	178 OHM +-1% 1/4W
PA16	R494		nsp	00MGM11446400	CHIP RES.	464 OHM +-1% 1/4W
PA16	R495		nsp	00MGM11417800	CHIP RES.	178 OHM +-1% 1/4W
PA16	R497		nsp	00MGM114100G0	CHIP RES.	10 OHM +-1% 1/4W
PA16	R498		nsp	00MGM114100G0	CHIP RES.	10 OHM +-1% 1/4W
PA16	R499		nsp	00MGM114464G0	CHIP RES.	46.4 OHM +-1% 1/4W
PA16	R500		nsp	00MGM11410030	CHIP RES.	100K OHM +-1% 1/4W
PA16	R601		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PA16	R602		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PA16	R603		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PA16	R604		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PA16	R605		nsp	00MNN05332610	CHIP RES.	3.3K OHM +-5% 1/16W
PA16	R606		nsp	00MNN05224610	CHIP RES.	220K OHM +-5% 1/16W
PA16	R691	F N	nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PA16	R692	/K1G	nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PA16	R692	/N1G	nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PA16	R693	/U1G	nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PA16	R841		nsp	00MGM11410000	CHIP RES.	100 OHM +-1% 1/4W
PA16	R851		nsp	00MGM11410000	CHIP RES.	100 OHM +-1% 1/4W
PA16	R852		nsp	00MGM11410000	CHIP RES.	100 OHM +-1% 1/4W
PA16	R853		nsp	00MGM11433210	CHIP RES.	3.32K OHM +-1% 1/4W
PA16	R854		nsp	00MGM11433210	CHIP RES.	3.32K OHM +-1% 1/4W
PA16	R855		nsp	00MGM11427410	CHIP RES.	2.74K OHM +-1% 1/4W
PA16	R856		nsp	00MGM11427410	CHIP RES.	2.74K OHM +-1% 1/4W
PA16	R857		nsp	00MGM11433210	CHIP RES.	3.32K OHM +-1% 1/4W
PA16	R858		nsp	00MGM11433210	CHIP RES.	3.32K OHM +-1% 1/4W
PA16	RN09		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PA16	RN10		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PA16	RN11		nsp	00MNN05473610	CHIP RES.	47K OHM +-5% 1/16W
PA16	RN12		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PA16	RN13		nsp	00MNN05332610	CHIP RES.	3.3K OHM +-5% 1/16W
PA16	RN14		nsp	00MNN05224610	CHIP RES.	220K OHM +-5% 1/16W
PA16	RN15		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PA16	RN16		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PA16	RN17		nsp	00MNN05104610	CHIP RES.	100K OHM +-5% 1/16W
PA16	X101		00MJX67002270	00MJX67002270	X'TAL	67.7376MHZ UM-5 (ZT23522)
PA16	X102		00MZK27AK0100	00MZK27AK0100	UNIT KIT	DSB321SD(ZT20231) TCXO 33.8688MHZ
PA16	X103		00MZK27AK0110	00MZK27AK0110	UNIT KIT	DSV321SV(ZT19595) VCXO 67.7376MHZ
					POWER PWB PP16 (00MWG27AK101-)	
PP16	C802		nsp	00MOA68801620	ELECT CAP.	6800 UF 16V RA2 TYPE
PP16	C803		nsp	00MOA68801620	ELECT CAP.	6800 UF 16V RA2 TYPE

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P.W.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PP16	C804		nsp	00MOA22702520	ELECT CAP.	220 UF M 25V RA-2
PP16	C805		nsp	00MOA33800620	ELECT CAP.	3300UF M 6.3V RA-2
PP16	C806		nsp	00MOA68801620	ELECT CAP.	6800 UF 16V RA2 TYPE
PP16	C811		nsp	00MOA47802520	ELECT CAP.	4700UF/25V RA-2
PP16	C813		nsp	00MOA47801620	ELECT CAP.	4700UF 16V RA2
PP16	C814		nsp	00MOA227016Z0	ELECT CAP.	ROS-16V 221M-H5#PE (220UF 16V)
PP16	C815		nsp	00MOA22705020	ELECT CAP.	220 UF M 50V RA-2
PP16	CE04		nsp	00MOA107025Z0	ELECT CAP.	ROS-25V 101M-H4#PE (100UF 25V)
PP16	CN01		nsp	00MOA10703520	ELECT CAP.	100 UF M 35V RA-2
PP16	CN02		nsp	00MOA10510020	ELECT CAP.	1UF100V RA-2TYPE
PP16	CN03		nsp	00MOA47505020	ELECT CAP.	4.7 UF M 50V RA-2
PP16	CN04		nsp	00MOA22803520	ELECT CAP.	2200UF M 35V RA-2
PP16	CT09		nsp	00MOA107025Z0	ELECT CAP.	ROS-25V 101M-H4#PE (100UF 25V)
PP16	▲ D801		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PP16	▲ D802		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PP16	▲ D803		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PP16	▲ D804		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PP16	▲ D805		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PP16	▲ D806		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PP16	▲ D807		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PP16	▲ D808		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PP16	▲ D811		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PP16	▲ D812		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PP16	▲ D813		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PP16	▲ D814		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PP16	▲ DN01		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PP16	▲ DN02		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PP16	▲ DN03		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PP16	▲ DN04		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PP16	▲ DN05		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PP16	DN06		00MHD31001000	00MHD31001000	ZENER DIODE	10V ZENER EQUIVALENT
PP16	DN07		nsp	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PP16	▲ DN11		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PP16	▲ DN12		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PP16	▲ DN13		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PP16	▲ DN14		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
PP16	DN15		00MHD31801000	00MHD31801000	ZENER DIODE	18V ZENER EQUIVALENT
PP16	DN16		nsp	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PP16	▲ F801		0520100130040	0520100130040	FUSE	# 021801.6MXP T1.6A L 250V
PP16	▲ F811		0520100110080	0520100110080	FUSE	# 0218001.MXP T1A L 250V
PP16	▲ F821		0520100110080	0520100110080	FUSE	# 0218001.MXP T1A L 250V
PP16	▲ F841		0520100110080	0520100110080	FUSE	# 0218001.MXP T1A L 250V
PP16	▲ F851		0520100110080	0520100110080	FUSE	# 0218001.MXP T1A L 250V
PP16	▲ F853		0520100110080	0520100110080	FUSE	# 0218001.MXP T1A L 250V
PP16	▲ FH01	F N	nsp	0520100150000	FUSE	# S506-3.15A
PP16	▲ FH01	/K1G	nsp	0520100130040	FUSE	# 021801.6MXP T1.6A L 250V
PP16	▲ FH01	/N1G	0520100130040	0520100130040	FUSE	# 021801.6MXP T1.6A L 250V
PP16	▲ FH01	/U1G	nsp	0520100150000	FUSE	# S506-3.15A
PP16	▲ GH01		00MDF77103500	00MDF77103500	FILM CAP.	! 0.01UF M 250V AC
PP16	J804		00MYJ10005000	00MYJ10005000	JACK	10R-FJ(10P RECEPTACLE)
PP16	JE01		00MYT02011760	00MYT02011760	TERMINAL	P2201-K 1P BNC
PP16	JT02		00MYJ15000220	00MYJ15000220	OPT. CONN.	TOTX179L TOSLINK TRANSCEIVER
PP16	LE01		00MFC90050130	00MFC90050130	FERRITE CORE	BL02RN2-R62T2 FERRITE BEAD
PP16	LT01		00MTP41042030	00MTP41042030	TRANSF.	PULSE TRNSF.(TPS247MN-0386AN)
PP16	LT02		00MFC90050130	00MFC90050130	FERRITE CORE	BL02RN2-R62T2 FERRITE BEAD
PP16	LT03		00MFC90050130	00MFC90050130	FERRITE CORE	BL02RN2-R62T2 FERRITE BEAD
PP16	LT04		00MFC90050130	00MFC90050130	FERRITE CORE	BL02RN2-R62T2 FERRITE BEAD
PP16	▲ Q801		00MHC3190532F	00MHC3190532F	IC	! PQ05RD21 5V 2A
PP16	▲ Q811		00MHC3891209F	00MHC3891209F	IC	! NJM7812FA +12V
PP16	▲ Q812		00MHC3890809F	00MHC3890809F	IC	! NJM7808FA +8V 1A
PP16	QE01		00MHC700400U0	00MHC700400U0	IC	MC74HCU04AN
PP16	QN01		00MHT30001000	00MHT30001000	TRS.	C2458,C1740S,C3199,ETC.
PP16	QN02		00MHT30001000	00MHT30001000	TRS.	C2458,C1740S,C3199,ETC.
PP16	QN03		00MHT30001000	00MHT30001000	TRS.	C2458,C1740S,C3199,ETC.
PP16	▲ QN04		00MHT41415100	00MHT41415100	TRS.	! TRANSISTOR 2SD1415
PP16	QT01		00MHC700400U0	00MHC700400U0	IC	MC74HCU04AN
PP16	R891	F N	nsp	00MGD05000160	RES.	0 OHM +-5% 1/6W

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PP16	R891	/U1G	nsp	00MGD05000160	RES.	0 OHM +-5% 1/6W
PP16	R892	F N	nsp	00MGD05000160	RES.	0 OHM +-5% 1/6W
PP16	R892	/U1G	nsp	00MGD05000160	RES.	0 OHM +-5% 1/6W
PP16	R893	/K1G	nsp	00MGD05000160	RES.	0 OHM +-5% 1/6W
PP16	R893	/N1G	nsp	00MGD05000160	RES.	0 OHM +-5% 1/6W
PP16	RE01		nsp	00MGD05750160	RES.	75 OHM +-5% 1/6W
PP16	RE02		nsp	00MGD05102160	RES.	1K OHM +-5% 1/6W
PP16	RE03		nsp	00MGD05222160	RES.	2.2K OHM +-5% 1/6W
PP16	RE04		nsp	00MGD05473160	RES.	47K OHM +-5% 1/6W
PP16	RE05		nsp	00MGD05470160	RES.	47 OHM +-5% 1/6W
PP16	RE06		nsp	00MGD05104160	RES.	100K OHM +-5% 1/6W
PP16	RN01		nsp	00MGD05122160	RES.	1.2K OHM +-5% 1/6W
PP16	RN02		nsp	00MGD05153160	RES.	15K OHM +-5% 1/6W
PP16	RN03		nsp	00MGD05225160	RES.	2.2M OHM +-5% 1/6W
PP16	RN04		nsp	00MGD05473160	RES.	47K OHM +-5% 1/6W
PP16	RN05		nsp	00MGD05103160	RES.	10K OHM +-5% 1/6W
PP16	RN06		nsp	00MGD05103160	RES.	10K OHM +-5% 1/6W
PP16	RN08		nsp	00MGD05272160	RES.	2.7K OHM +-5% 1/6W
PP16	RT01		nsp	00MGD05122160	RES.	1.2K OHM +-5% 1/6W
PP16	RT02		nsp	00MGD05104160	RES.	100K OHM +-5% 1/6W
PP16	RT03		nsp	00MGD05220160	RES.	22 OHM +-5% 1/6W
PP16	RT04		nsp	00MGD05330160	RES.	33 OHM +-5% 1/6W
PP16	RT05		nsp	00MGD05750160	RES.	75 OHM +-5% 1/6W
PP16	RT07		nsp	00MGD05101160	RES.	100 OHM +-5% 1/6W
PP16	▲ SH01		00MSP01011990	00MSP01011990	PUSH SW	! SDDL1 POWER SWITCH TV-3
					FRONT1 PWB PY16 (00MWG27AK102-)	
PY16	CY02		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PY16	CY03		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PY16	CY04		00MEY47600620	00MEY47600620	ELECT CAP.	47UF/6.3V
PY16	CY05		nsp	00MDK98474200	CER. CAP.	GRM39F474Z16PT 0.47UF F 16V
PY16	CY06		nsp	00MDK96471300	CER. CAP.	470PF (GR39)
PY16	CY07		00MEY22505020	00MEY22505020	ELECT CAP.	2.2UF/ 50V
PY16	CY08		nsp	00MDK98474200	CER. CAP.	GRM39F474Z16PT 0.47UF F 16V
PY16	CY09		nsp	00MDK98474200	CER. CAP.	GRM39F474Z16PT 0.47UF F 16V
PY16	CY10		nsp	00MDK98474200	CER. CAP.	GRM39F474Z16PT 0.47UF F 16V
PY16	CY11		nsp	00MDK98474200	CER. CAP.	GRM39F474Z16PT 0.47UF F 16V
PY16	CY12		nsp	00MDK98474200	CER. CAP.	GRM39F474Z16PT 0.47UF F 16V
PY16	CY13		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PY16	CY14		00MEY10601620	00MEY10601620	ELECT CAP.	10UF/ 16V
PY16	CY15		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PY16	CY16		nsp	00MDK96102300	CER. CAP.	1000 PF +-10% B 50V GR36
PY16	CY17		nsp	00MDK96102300	CER. CAP.	1000 PF +-10% B 50V GR36
PY16	CY18		nsp	00MDK96102300	CER. CAP.	1000 PF +-10% B 50V GR36
PY16	CY19		nsp	00MDK96102300	CER. CAP.	1000 PF +-10% B 50V GR36
PY16	CY20		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PY16	CY21		00MEY47600620	00MEY47600620	ELECT CAP.	47UF/6.3V
PY16	CY22		nsp	00MDK96471300	CER. CAP.	470PF (GR39)
PY16	CY31		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PY16	CY32		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PY16	CY61		00MEY10601620	00MEY10601620	ELECT CAP.	10UF/ 16V
PY16	CY62		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PY16	CY63		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PY16	CY64		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PY16	CY65		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PY16	CY67		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PY16	CY68		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PY16	DY11		00MHZ30751000	00MHZ30751000	CHIP DIODE	7.5V ZENER MA8075-M,UDPS7.5B
PY16	DY27		00MHI10046080	00MHI10046080	L.E.D.	BLUE LED SELU2E10C-P-E/F
PY16	DY28		00MHI10046080	00MHI10046080	L.E.D.	BLUE LED SELU2E10C-P-E/F
PY16	LY01		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PY16	LY02		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PY16	LY03		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PY16	QY01		00MHC98203090	00MHC98203090	IC	NJU7222U33-TE1 3.3V REG.
PY16	QY02		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PY16	QY07		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PY16	QY08		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PY16	QY09		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)

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PY16	QY10		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PY16	QY11		00MBA20079210	00MBA20079210	TRS.	UMH10N
PY16	QY12		00MBA20079210	00MBA20079210	TRS.	UMH10N
PY16	QY13		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PY16	QY14		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PY16	QY61		00MHS27AKM00F	00MHS27AKM00F	U-PRO	R5F21124FP
PY16	QY62		00MHC10224210	00MHC10224210	IC	BD4742G RESET IC 4.2V
PY16	QY65		00MBA10026210	00MBA10026210	TRS.	DTA114EU
PY16	QY66		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PY16	QY67		00MBA20079210	00MBA20079210	TRS.	UMH10N
PY16	QY68		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PY16	RY03		nsp	00MNN05151610	CHIP RES.	150 OHM +-5% 1/16W
PY16	RY04		nsp	00MNN05181610	CHIP RES.	180 OHM +-5% 1/16W
PY16	RY05		nsp	00MNN05271610	CHIP RES.	270 OHM +-5% 1/16W
PY16	RY06		nsp	00MNN05151610	CHIP RES.	150 OHM +-5% 1/16W
PY16	RY07		nsp	00MNN05331610	CHIP RES.	330 OHM +-5% 1/16W
PY16	RY08		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PY16	RY09		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PY16	RY10		nsp	00MNN05563610	CHIP RES.	56K OHM +-5% 1/16W
PY16	RY11		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PY16	RY24		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PY16	RY25		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PY16	RY28		nsp	00MNN05332610	CHIP RES.	3.3K OHM +-5% 1/16W
PY16	RY29		nsp	00MNN05332610	CHIP RES.	3.3K OHM +-5% 1/16W
PY16	RY30		nsp	00MNN05332610	CHIP RES.	3.3K OHM +-5% 1/16W
PY16	RY31		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PY16	RY32		nsp	00MNN05152610	CHIP RES.	1.5K OHM +-5% 1/16W
PY16	RY33		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PY16	RY34		nsp	00MNN05152610	CHIP RES.	1.5K OHM +-5% 1/16W
PY16	RY35		nsp	00MNN05332610	CHIP RES.	3.3K OHM +-5% 1/16W
PY16	RY36		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PY16	RY38		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PY16	RY39		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PY16	RY40		nsp	00MNN05561610	CHIP RES.	560 OHM +-5% 1/16W
PY16	RY41		nsp	00MNN05681610	CHIP RES.	680 OHM +-5% 1/16W
PY16	RY42		nsp	00MNN05182610	CHIP RES.	1.8K OHM +-5% 1/16W
PY16	RY43		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PY16	RY44		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PY16	RY45		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PY16	RY46		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PY16	RY51		nsp	00MNN05152610	CHIP RES.	1.5K OHM +-5% 1/16W
PY16	RY52		nsp	00MNN05152610	CHIP RES.	1.5K OHM +-5% 1/16W
PY16	RY54		nsp	00MNN05152610	CHIP RES.	1.5K OHM +-5% 1/16W
PY16	RY55		nsp	00MNN05152610	CHIP RES.	1.5K OHM +-5% 1/16W
PY16	RY59		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PY16	RY61		nsp	00MNN05333610	CHIP RES.	33K OHM +-5% 1/16W
PY16	RY62		nsp	00MNN05512610	CHIP RES.	5.1K OHM +-5% 1/16W
PY16	RY63		nsp	00MNN05333610	CHIP RES.	33K OHM +-5% 1/16W
PY16	RY64		nsp	00MNN05333610	CHIP RES.	33K OHM +-5% 1/16W
PY16	RY65		nsp	00MNN05333610	CHIP RES.	33K OHM +-5% 1/16W
PY16	RY66		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PY16	RY67		nsp	00MNN05473610	CHIP RES.	47K OHM +-5% 1/16W
PY16	RY68		nsp	00MNN05183610	CHIP RES.	18K OHM +-5% 1/16W
PY16	RY69		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PY16	RY70		nsp	00MNN05822610	CHIP RES.	8.2K OHM +-5% 1/16W
PY16	RY71		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PY16	RY72		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PY16	RY73		nsp	00MNN05333610	CHIP RES.	33K OHM +-5% 1/16W
PY16	SY01		00MSP01012030	00MSP01012030	PUSH SW	SKHVBF 260GF RED
PY16	SY02		00MSP01012030	00MSP01012030	PUSH SW	SKHVBF 260GF RED
PY16	SY03		00MSP01012030	00MSP01012030	PUSH SW	SKHVBF 260GF RED
PY16	SY04		00MSP01012030	00MSP01012030	PUSH SW	SKHVBF 260GF RED
PY16	SY05		00MSP01012030	00MSP01012030	PUSH SW	SKHVBF 260GF RED
PY16	SY06		00MSP01012030	00MSP01012030	PUSH SW	SKHVBF 260GF RED
PY16	SY07		00MSP01012030	00MSP01012030	PUSH SW	SKHVBF 260GF RED
PY16	SY08		00MSP01012030	00MSP01012030	PUSH SW	SKHVBF 260GF RED
PY16	SY09		00MSP01012030	00MSP01012030	PUSH SW	SKHVBF 260GF RED

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

P.W.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PY16	XY61		00MFQ01605120	00MFQ01605120	CER. VIB.	CSTCE16M0V53-R0
PY16	ZF01		00MHW10004210	00MHW10004210	PHOTO UNIT	RPM6936-V4 (IR SENSOR)
					FRONT2(LED) PWB PY26 (00MWG27AK103-)	
PY26	CY23		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PY26	CY24		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PY26	CY25		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PY26	CY26		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PY26	DY23		00MHI10042080	00MHI10042080	L.E.D.	SECU1E01C
PY26	DY24		00MHI10042080	00MHI10042080	L.E.D.	SECU1E01C
PY26	DY25		00MHI10042080	00MHI10042080	L.E.D.	SECU1E01C
PY26	DY26		00MHI10107210	00MHI10107210	L.E.D.	SML-010VTT86
PY26	RY47		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PY26	RY48		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PY26	RY49		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
					FRONT3(STAR LED) PWB PY36 00MWG27AK104-)	
PY36	CY27		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PY36	DY29		00MHI10042080	00MHI10042080	L.E.D.	SECU1E01C
PY36	JY09		00MYJ06008830	00MYJ06008830	JACK	03JQ-ST 3P (YOKO)
PY36	RY53		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W

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

15. ABOUT REPLACE THE MICROPROCESSOR WITH A NEW ONE

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

PWB Name	Pos. No.	Description	After replaced	Remark
PA16	Q102	XCF01SV020C FOR SA-7S1	A	
PA16	Q114	AT49BV040B-TU FOR SA-7S1	A	
PY16	QY61	R5F21124FP	A	
1U-3648B	IC731	M3062LFGPGP-MZ0723	B	

After replaced

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

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

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

マイコン等を交換した場合の対応について

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

PWB Name	Pos. No.	Description	交換時の対応	備考
PA16	Q102	XCF01SV020C FOR SA-7S1	A	
PA16	Q114	AT49BV040B-TU FOR SA-7S1	A	
PY16	QY61	R5F21124FP	A	
1U-3648B	IC731	M3062LFGPGP-MZ0723	B	

交換時の対応

A : Mask ROM (ソフトウェア書き込み済み) 交換時にソフトウェアの書き込みは必要ありません。

B : Flash ROM (ソフトウェア書き込み済み) バージョンアップにより交換時にソフトウェアの書き換えが必要な場合があります。バージョンの確認をしてください。

C : 空ROM (Flash ROM) 交換時必ずソフトウェアの書き込みが必要になります。Update、書き込み方法を参照してください。

Mecha Loader and Mecha Traverse

Super Audio CD Player: SA-7S1

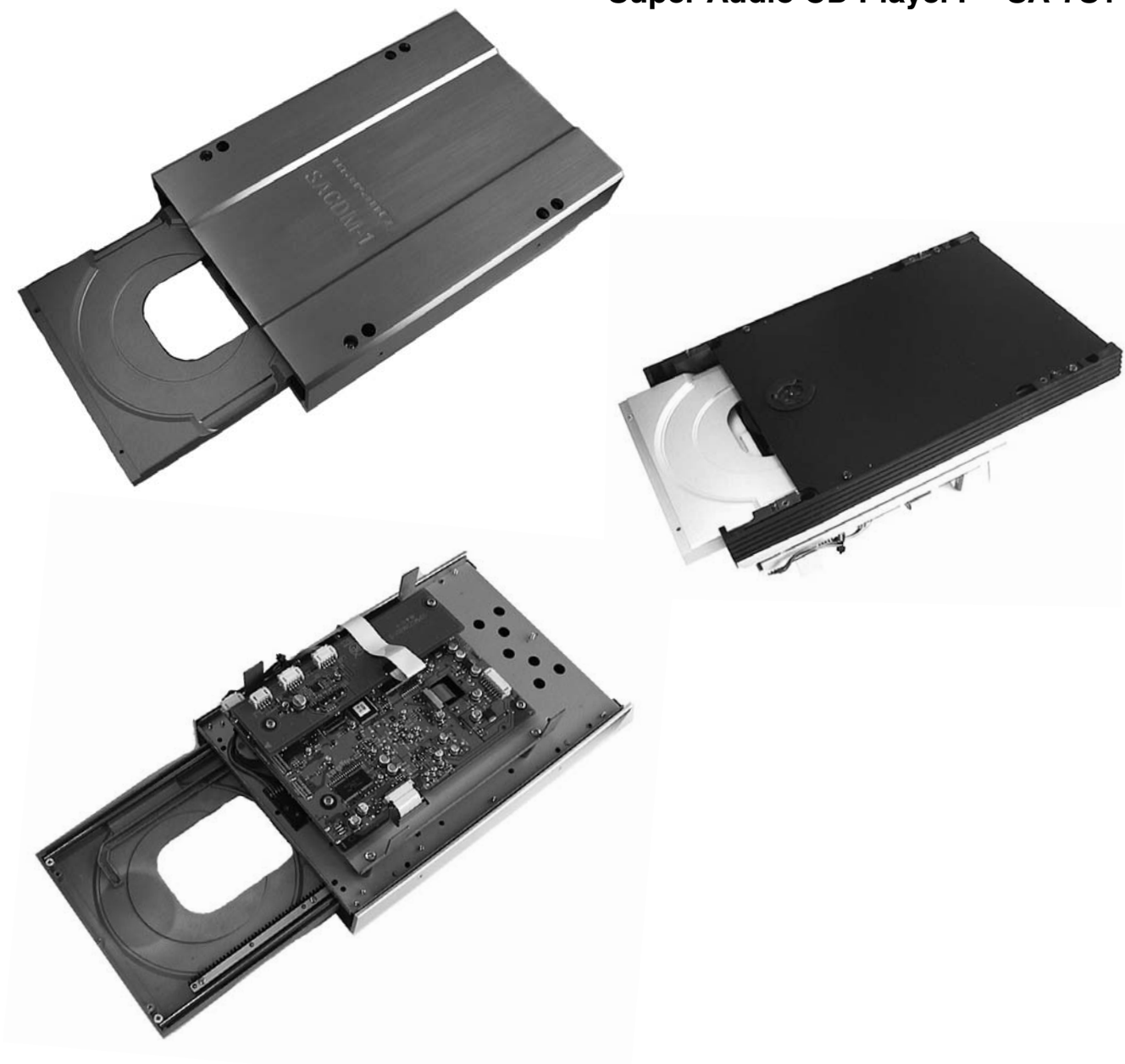


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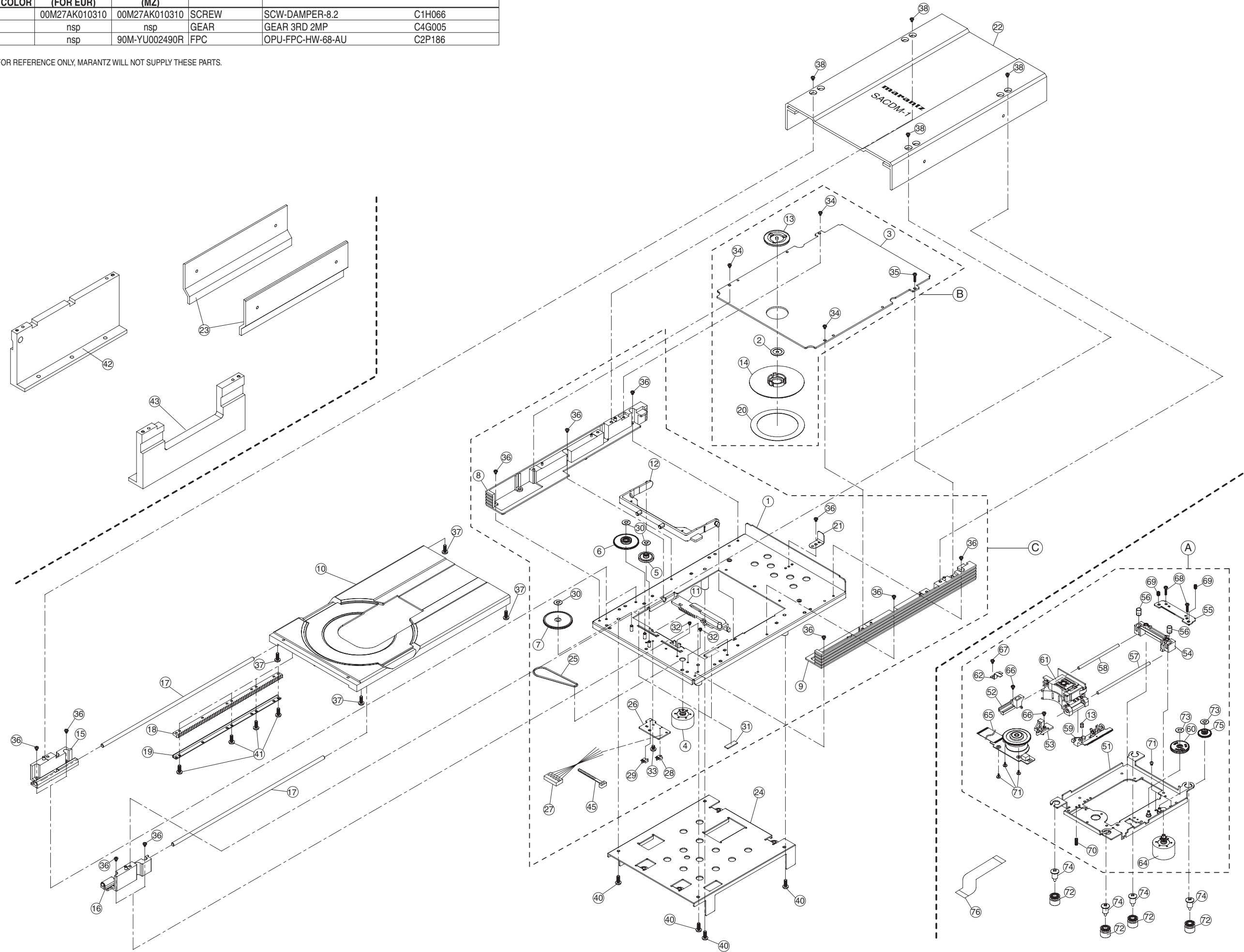
1. EXPLODED VIEW AND PARTS LIST

P.W.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
LOADER PART LIST						
	B		00M27AK005510	00M27AK005510	CLAMPER	GUIDE CLAMPER ASSY E2A003
	C		00M27AK304510	00M27AK304510	MECHANISM	LOADER ASSY E2A004
	1		nsp	nsp	CHASSIS	MAIN-CHASSIS-ASSY E2A001
	2		nsp	nsp	BRACKET	CLAMPER-T M12H A7P085
	3		nsp	nsp	BRACKET	GUIDE-CLAMP E2P003
	4		nsp	nsp	MOTOR	ASSY MOTOR LOAD C2A003
	5		nsp	nsp	GEAR	GEAR-LOAD-2HP C2G029
	6		nsp	nsp	GEAR	GEAR 2ND LOAD B9G030
	7		nsp	nsp	GEAR	GEAR 3RD LOAD B9G031
	8		nsp	nsp	CHASSIS	GUIDE-CHASSIS-L E2G005
	9		nsp	nsp	CHASSIS	GUIDE-CHASSIS-R E2G006
	10		00M27AK163310	00M27AK163310	TRAY	TRAY E2G007
	11		nsp	nsp	CAM	SLIDE-CAM-2H C1G003
	12		nsp	nsp	ARM	ARM-TRV-CHAS-2H C1G004
	13		nsp	nsp	CLAMPER	CLAMPER-H-200T D8G005
	14		nsp	nsp	CLAMPER	CLAMPER-LO E2G002
	15		00M27AK051310	00M27AK051310	GUIDE	SHAFT-GUIDE-L E2G003
	16		00M27AK051320	00M27AK051320	GUIDE	SHAFT-GUIDE-R E2G004
	17		00M27AK112310	00M27AK112310	SHAFT	TRAY-SHAFT E2H002
	18		00M27AK058310	00M27AK058310	GEAR	TRAY-RACK E2G001
	19		nsp	nsp	BRACKET	RACK-GUIDE E2P001
	20		nsp	nsp	BUFFER	CLAMPER-SHEET E2P002
	21		nsp	nsp	BRACKET	SPG-1 E2P005
	22		00M27AK053110	00M27AK053110	COVER	COVER E2P007
	23		nsp	nsp	BRACKET	SIDE-PANEL E2P008
	24		nsp	nsp	BRACKET	BRACKET E2P006
	25		00M27AK264310	00M27AK264310	BELT	BELT LOAD B9G015
	26		nsp	nsp	PWB ASSY	PCB-SW-2H C1P014
	27		nsp	nsp	CORD	CNW-5P C2G094
	28		90M-SM000420R	90M-SM000420R	SW	SW ESE22MH21 S01W204
	29		90M-SM000430R	90M-SM000430R	SW	SW ESE22MH23 S01W205
	30		nsp	nsp	WASHER	PSW2.6X6X0.25C P26C625
	31		nsp	nsp	BUFFER	RUBBER-CUSHION C1G042
	32		nsp	nsp	SCREW	M1.7X2.2 P.H.M.SCREW 3BZ22U3
	33		nsp	nsp	SCREW	M2X3 P.H.M.SCREW 3CS03U3
	34		nsp	nsp	SCREW	M2.6X6 B.H.M.SCREW BDB06K3
	35		nsp	nsp	SCREW	M2.6X6 B.H.M.SCREW BDS06U3
	37		nsp	nsp	SCREW	M2.6x5 F.H.TAPT.SCREW PDS05W3
	38		nsp	nsp	SCREW	M3x8 B.H.M.SCREW BEB08SN
	39		nsp	nsp	SCREW	M3x6 B.H.M.SCREW BEZ06U3
	40		nsp	nsp	SCREW	M2x6 B.H.TAPT.SCREW BCS06U3
	41		nsp	nsp	SCREW	M3-STAD E2H003
	42		nsp	nsp	BRACKET	BOTTOM-L E2P009
	43		nsp	nsp	BRACKET	BOTTOM-R E2P010
	45		nsp	nsp	CLAMPER	NILON BAND (80MM) M01N122
	46		nsp	nsp	CUSHION	TRAY-CUSHION C2G045
	47		nsp	nsp	SHEET	PET-SHEET-0.2 E2P013
	50		nsp	nsp	SHEET	SHEET-R E2P014
TRAVERSE PART LIST						
	A		00M27AK304520	00M27AK304520	MECHANISM	TRAVERSE ASSY E2A002
	51		nsp	nsp	CHASSIS	ASSY-CHAS-PU-W C2A113
	52		nsp	nsp	HOLDER	HLD-SFT-L-84H C2G008
	53		nsp	nsp	HOLDER	HLD-SFT-R-84H C2G007
	54		nsp	nsp	HOLDER	BASE TILT-W C2G224
	55		nsp	nsp	PLATE	PLATE-TILT-W C2P166
	56		nsp	nsp	SPRING	TILT-SPRING B7S003
	57		nsp	nsp	SHAFT	RAIL C2H001
	58		nsp	nsp	GUIDE	S-GUIDE- BAR-84H C2H002
	59		nsp	nsp	GEAR	RACK-PU-W C2G225
	60		nsp	nsp	GEAR	AS GEAR 2ND B8A005
	61		nsp	nsp	MECHANISM	PICK UP HOP-1200W-B C2G226
	62		nsp	nsp	SPRING	SPRING-RAIL-84H C2P016
	63		nsp	nsp	SPRING	SPG RACK-84H C2S005
	64		nsp	nsp	MOTOR	AS MOTOR FEED-2HP C2A023
	65		nsp	nsp	MOTOR	T/T MOTOR ASSY C2A019
	66		nsp	nsp	SCREW	M2.6X6 BIND S-TIGHT-CR3 BDS06U3
	67		nsp	nsp	SCREW	M2.6X4 BIND S-TIGHT-CR3 BDS04U3
	68		nsp	nsp	SCREW	M2.6X15 FLAT S-TIGHT-CR3 PDS15U3
	69		nsp	nsp	SCREW	MM3X4 HEXAGONAL HOLE CR3 HEA04K3
	70		nsp	nsp	SCREW	M3X8 HEXAGONAL HOLE CR3 HEA08K3
	71		nsp	nsp	SCREW	M1.7X2.2 CR3 3BZ22U3
	72		00M27AK130310	00M27AK130310	DAMPER	DAMPER-IDLE C2G083
	73		nsp	nsp	WASHER	PSW2X4X0.25C P21C425

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

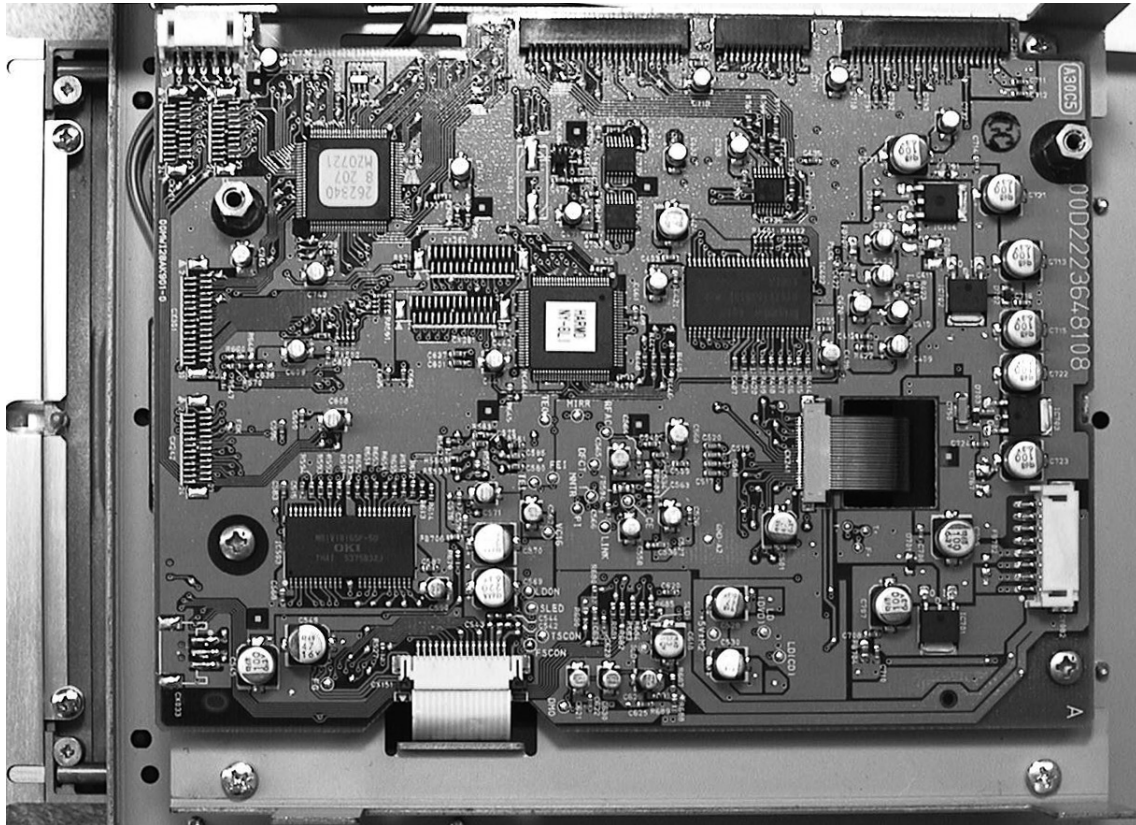
P.W.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION	
	74		00M27AK010310	00M27AK010310	SCREW	SCW-DAMPER-8.2	C1H066
	75		nsp	nsp	GEAR	GEAR 3RD 2MP	C4G005
	76		nsp	90M-YU002490R	FPC	OPU-FPC-HW-68-AU	C2P186

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



Super Audio CD PWB Module / TRAY DRIVE PWB

Super Audio CD Player : SA-7S1



TRAY DRIVE PWB (PM16)

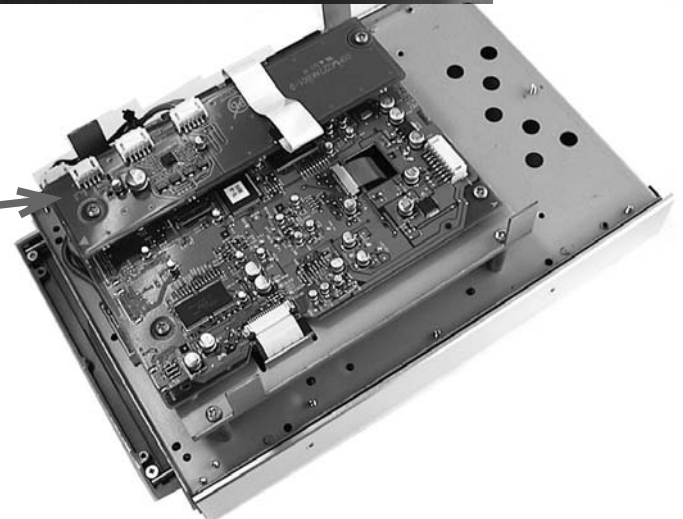
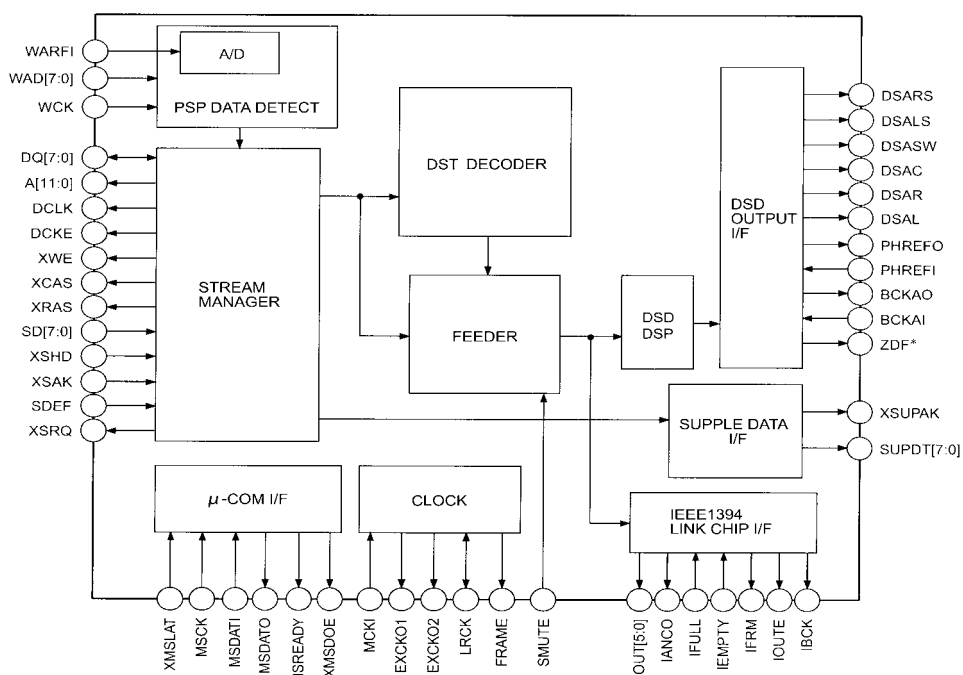
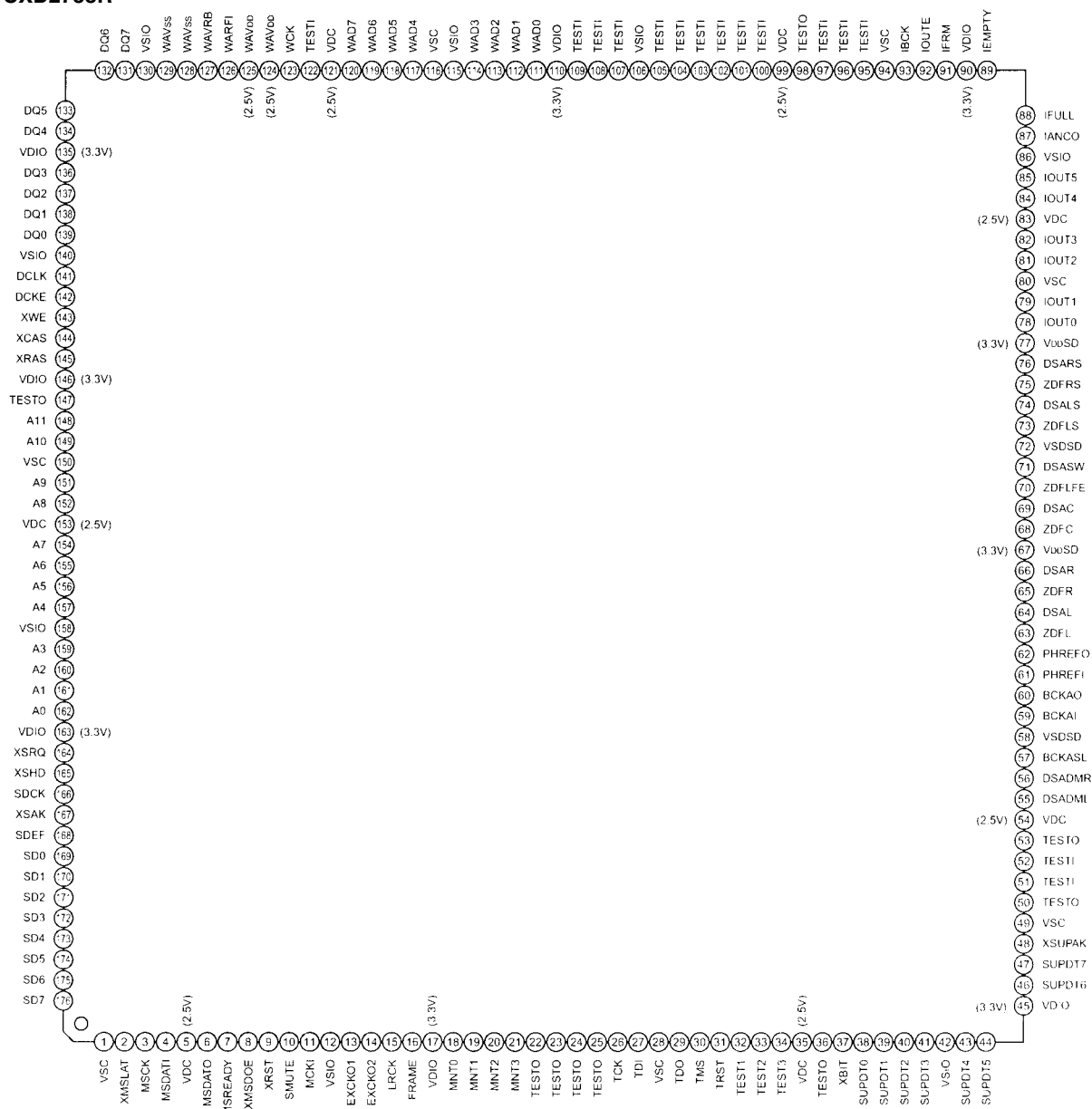


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1. IC DATA
IC401: CXD2753R



IC401: CXD2753R

No.	Pin Name	I/O	Functions
1	VSC	-	It fixed to ground.(for Core)
2	XMSLAT	I	Latch input for mCOM serial communication.
3	MSCK	I	Shift clock input for mCOM serial communication.
4	MSDATI	I	Data input for mCOM serial communication.
5	VDC	-	+2.5V Power for Core.
6	MSDATO	O	Data output for mCOM serial communication. "Hi-Z" potential except the output mode.
7	MSREADY	O	Completion flag of output preparation for mCOM serial communication. "L" is outputted at the time of completion.
8	XMSDOE	O	Output enable pin for mCOM serial communication. "L" is outputted at the time of MSDATO mode.
9	XRST	I	Reset pin. The whole IC is reset by at the time of "L" potential.
10	SMUTE	lpd	Soft Mute. Soft mute of the audio output is carried out at the time of "H" potential.It releases at the time of "L" potential.
11	MCKI	I	Master Clock input.
12	VSIO	-	It fixed to Ground. Ground for I/O.
13	EXCKO1	O	External output Clock 1.
14	EXCKO2	O	External output Clock 2.
15	LRCK	O	44.1kHz, 1Fs Clock output.
16	FRAME	O	Frame signal output.
17	VDIO	-	+3.3V Power for I/O.
18	MNT0	O	Monitor output.
19	MNT1	O	Monitor output.
20	MNT2	O	Monitor output.
21	MNT3	O	Monitor output.
22	TESTO	O	Output terminal for a Test. (open)
23	TESTO	O	Output terminal for a Test.(open)
24	TESTO	O	Output terminal for a Test.(open)
25	TESTO	O	Output terminal for a Test.(open)
26	TCK	I	Clock input for a Test. It fixed to "L" potential.
27	TDI	lpu	Input pin(pull-up) for a Test.(open)
28	VSC	-	It fixed to Ground. Ground for CORE.
29	TDO	O	Output for a Test.(open).
30	TMS	lpu	Input pin(pull-up) for a Test.(open)
31	TRST	lpu	Reset pin(pull-up) for a Test. Input the Power-on reset signal or fixed to "L" potential.
32	TEST1	I	Test input pin. It fixed to "L" potential.
33	TEST2	I	Test input pin. It fixed to "L" potential.
34	TEST3	I	Test input pin. It fixed to "L" potential.
35	VDC	-	+2.5V Power for CORE.
36	TESTO	O	Out put for TEST. It fixed to open.
37	XBIT	O	DST monitor.
38	SUPDT0	O	Supplementary data output. (LSB)
39	SUPDT1	O	Supplementary data output.
40	SUPDT2	O	Supplementary data output.
41	SUPDT3	O	Supplementary data output.
42	VSIO	-	Ground for I/O.
43	SUPDT4	O	Supplementary data output.
44	SUPDT5	O	Supplementary data output.
45	VDIO	-	+3.3V Power for I/O.
46	SUPDT6	O	Supplementary data output.
47	SUPDT7	O	Supplementary data output. (MSB)
48	XSUPAK	O	Supplementary data Acknowledge output terminal.
49	VSC	-	Ground for CORE.
50	TESTO	O	Output for TEST. (open)
51	TESTI	I	Input for TEST. It fixed to "L" potential.
52	TESTI	I	Input for TEST. It fixed to "L" potential.
53	TESTO	O	Output for TEST. (open)
54	VDC	-	+2.5V Power for CORE.
55	DSADML	O	DSD Data output terminal for Lch Down Mix.
56	DSADMR	O	DSD Data output terminal for Rch Down Mix.
57	BCKASL	I	I/O selection terminal of the Bit clock for DSD data output. L=input (Slave), H=output (Master)
58	VSDSD	-	Ground terminal for DSD data output.
59	BCKAI	I	Bit clock input terminal for DSD data output. Input a Bit clock into this terminal at the time of BCKASL="L" potential.
60	BCKAO	O	Bit clock output terminal for DSD data output. Bit clock output from this terminal at the time of BCKASL="H" potential.
61	PHREFI	I	Reference phase signal input terminal for DSD output phase modulation.
62	PHREFO	O	Reference phase signal output terminal for DSD output phase modulation.

IC401: CXD2753R

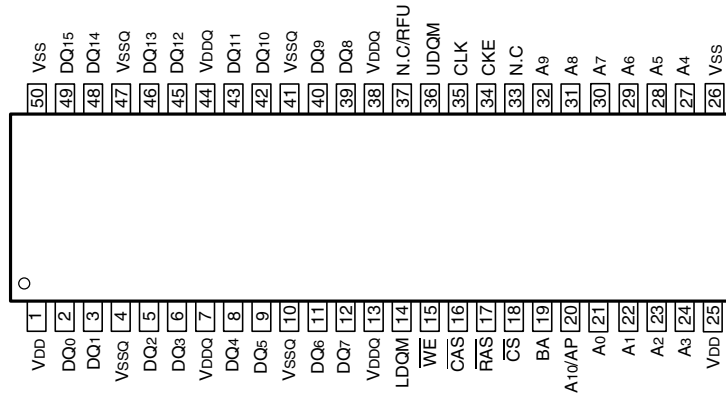
No.	Pin Name	I/O	Functions
63	ZDFL	O	Lch zero-data detection flag (at the time of mcom setup). It will be set to "H" if non-sound data continues 300 msecs.
64	DSAL	O	DSD data output terminal for Lch speaker.
65	ZDFR	O	Rch zero-data detection flag (at the time of mcom setup). It will be set to "H" if non-sound data continues 300 msecs.
66	DSAR	O	DSD data output terminal for Rch speaker.
67	VDDSD	-	+3.3V Power for DSD data output.
68	ZDFC	O	Cch zero-data detection flag (at the time of mcom setup). It will be set to "H" if non-sound data continues 300 msecs.
69	DSAC	O	DSD data output terminal for Cch speaker.
70	ZDFLFE	O	LFEch zero-data detection flag (at the time of mcom setup). It will be set to "H" if non-sound data continues 300 msecs.
71	DSASW	O	DSD data output terminal for SWch speaker.
72	VSDSD	-	Ground for DSD data output.
73	ZDFLS	O	LSch zero-data detection flag (at the time of mcom setup). It will be set to "H" if non-sound data continues 300 msecs.
74	DSALS	O	DSD data output terminal for LSch speaker.
75	ZDFRS	O	RSch zero-data detection flag (at the time of mcom setup). It will be set to "H" if non-sound data continues 300 msecs.
76	DSARS	O	DSD data output terminal for RSch speaker.
77	VDDSD	O	+3.3V Power for DSD data output.
78	IOUT0	O	Data output terminal 0 for IEEE1394 link chip I/F.
79	IOUT1	O	Data output terminal 1 for IEEE1394 link chip I/F.
80	VSC	-	Ground for CORE.
81	IOUT2	O	Data output terminal 2 for IEEE1394 link chip I/F.
82	IOUT3	O	Data output terminal 3 for IEEE1394 link chip I/F.
83	VDC	-	+2.5V Power for CORE.
84	IOUT4	O	Data output terminal 4 for IEEE1394 link chip I/F.
85	IOUT5	O	Data output terminal 5 for IEEE1394 link chip I/F.
86	VSIO	-	Ground for I/O.
87	IANCO	O	Transmission information data output terminal for IEEE1394 link chip I/F.
88	IFULL	I	Data transmission hold request signal input terminal for IEEE1394 link chip I/F.
89	IEMPTY	I	High speed transmission request signal input terminal for IEEE1394 link chip I/F.
90	VDIO	-	+3.3V Power for I/O.
91	IFRM	O	Frame reference signal output terminal for IEEE1394 link chip I/F.
92	IOUTE	O	Enable signal output terminal for IEEE1394 link chip I/F.
93	IBCK	O	Data transmission clock output terminal for IEEE1394 link chip I/F.
94	VSC	-	Ground for CORE.
95	TESTI	I	TEST input terminal. It fixed to "H" potential.
96	TESTI	I	TEST input terminal. It fixed to "L" potential.
97	TESTI	Ipu	TEST input terminal. It fixed to "H" potential.
98	TESTO	O	TEST output terminal. (open)
99	VDC	-	+2.5V Power for CORE.
100	TESTI	I	TEST input terminal. It fixed to "L" potential.
101	TESTI	I	TEST input terminal. It fixed to "L" potential.
102	TESTI	I	TEST input terminal. It fixed to "L" potential.
103	TESTI	I	TEST input terminal. It fixed to "L" potential.
104	TESTI	I	TEST input terminal. It fixed to "L" potential.
105	TESTI	I	TEST input terminal. It fixed to "L" potential.
106	VSIO	-	Ground for I/O.
107	TESTI	I	TEST input terminal. It fixed to "L" potential.
108	TESTI	I	TEST input terminal. It fixed to "L" potential.
109	TESTI	I	TEST input terminal. It fixed to "L" potential.
110	VDIO	-	+3.3V Power for I/O.
111	WAD0	I	External A/D data input terminal(LSB) for PSP physical disc mark detection.
112	WAD1	I	External A/D data input terminal for PSP physical disc mark detection.
113	WAD2	I	External A/D data input terminal for PSP physical disc mark detection.
114	WAD3	I	External A/D data input terminal for PSP physical disc mark detection.
115	VSIO	-	Ground for I/O.
116	VSC	-	Ground for CORE.
117	WAD4	I	External A/D data input terminal for PSP physical disc mark detection.
118	WAD5	I	External A/D data input terminal for PSP physical disc mark detection.
119	WAD6	I	External A/D data input terminal for PSP physical disc mark detection.
120	WAD7	I	External A/D data input terminal(MSB) for PSP physical disc mark detection.
121	VDC	-	+2.5V Power for CORE.
122	TESTI	I	TEST input terminal. It fixed to "L" potential.

IC401: CXD2753R

No.	Pin Name	I/O	Functions
123	WCK	I	Operation clock for PSP physical disc mark detection.
124	WAVDD	-	+2.5V Power. A/D Power supply for PSP physical disc mark detection.
125	WAVDD	-	+2.5V Power. A/D Power supply for PSP physical disc mark detection.
126	WARFI	Ai	Analog RF signal input terminal for PSP physical disc mark detection.
127	WAVRB	Ai	A/D bottom reference terminal for PSP physical disc mark detection.
128	WAVSS	-	A/D Ground terminal for PSP physical disc mark detection.
129	WAVSS	-	A/D Ground terminal for PSP physical disc mark detection.
130	VSIO	-	Ground for I/O.
131	DQ7	I/O	SDRAM data input/output terminal. (MSB)
132	DQ6	I/O	SDRAM data input/output terminal.
133	DQ5	I/O	SDRAM data input/output terminal.
134	DQ4	I/O	SDRAM data input/output terminal.
135	VDIO	-	+3.3V Power for I/O.
136	DQ3	I/O	SDRAM data input/output terminal.
137	DQ2	I/O	SDRAM data input/output terminal.
138	DQ1	I/O	SDRAM data input/output terminal.
139	DQ0	I/O	SDRAM data input/output terminal. (LSB)
140	VSIO	-	Ground for I/O.
141	DCLK	O	Clock output terminal for SDRAM.
142	DCKE	O	Clock enable output terminal for SDRAM.
143	XWE	O	Write enable output terminal for SDRAM.
144	XCAS	O	Column address strobe output terminal for SDRAM.
145	XRAS	O	Row address strobe output terminal for SDRAM.
146	VDIO	-	+3.3V Power for I/O.
147	TESTO	O	Output terminal for TEST. (open)
148	A11	O	Address output terminal for SDRAM. (MSB)
149	A10	O	Address output terminal for SDRAM.
150	VSC	-	Ground for CORE.
151	A9	O	Address output terminal for SDRAM.
152	A8	O	Address output terminal for SDRAM.
153	VDC	-	+2.5V Power for CORE.
154	A7	O	Address output terminal for SDRAM.
155	A6	O	Address output terminal for SDRAM.
156	A5	O	Address output terminal for SDRAM.
157	A4	O	Address output terminal for SDRAM.
158	VSIO	-	Ground for I/O.
159	A3	O	Address output terminal for SDRAM.
160	A2	O	Address output terminal for SDRAM.
161	A1	O	Address output terminal for SDRAM.
162	A0	O	Address output terminal for SDRAM. (LSB)
163	VDIO	-	+3.3V Power for I/O.
164	XSRQ	O	Output terminal of the Data Request signal inputted a front-end processor.
165	XSHD	I	Input terminal of the header Flag outputted from a front-end processor.
166	SDCK	I	Input terminal of the data conveyance Clock outputted from a front-end processor.
167	XASK	I	Input terminal of the data valid Flag outputted from a front-end processor.
168	SDEF	I	Input terminal of the error Flag outputted from a front-end processor.
169	SD0	I	Input terminal of the stream Data outputted from a front-end processor.
170	SD1	I	Input terminal of the stream Data outputted from a front-end processor.
171	SD2	I	Input terminal of the stream Data outputted from a front-end processor.
172	SD3	I	Input terminal of the stream Data outputted from a front-end processor.
173	SD4	I	Input terminal of the stream Data outputted from a front-end processor.
174	SD5	I	Input terminal of the stream Data outputted from a front-end processor.
175	SD6	I	Input terminal of the stream Data outputted from a front-end processor.
176	SD7	I	Input terminal of the stream Data outputted from a front-end processor.

Ipu: Pull-up input Ipd: Pull-down input Ai: Analog input

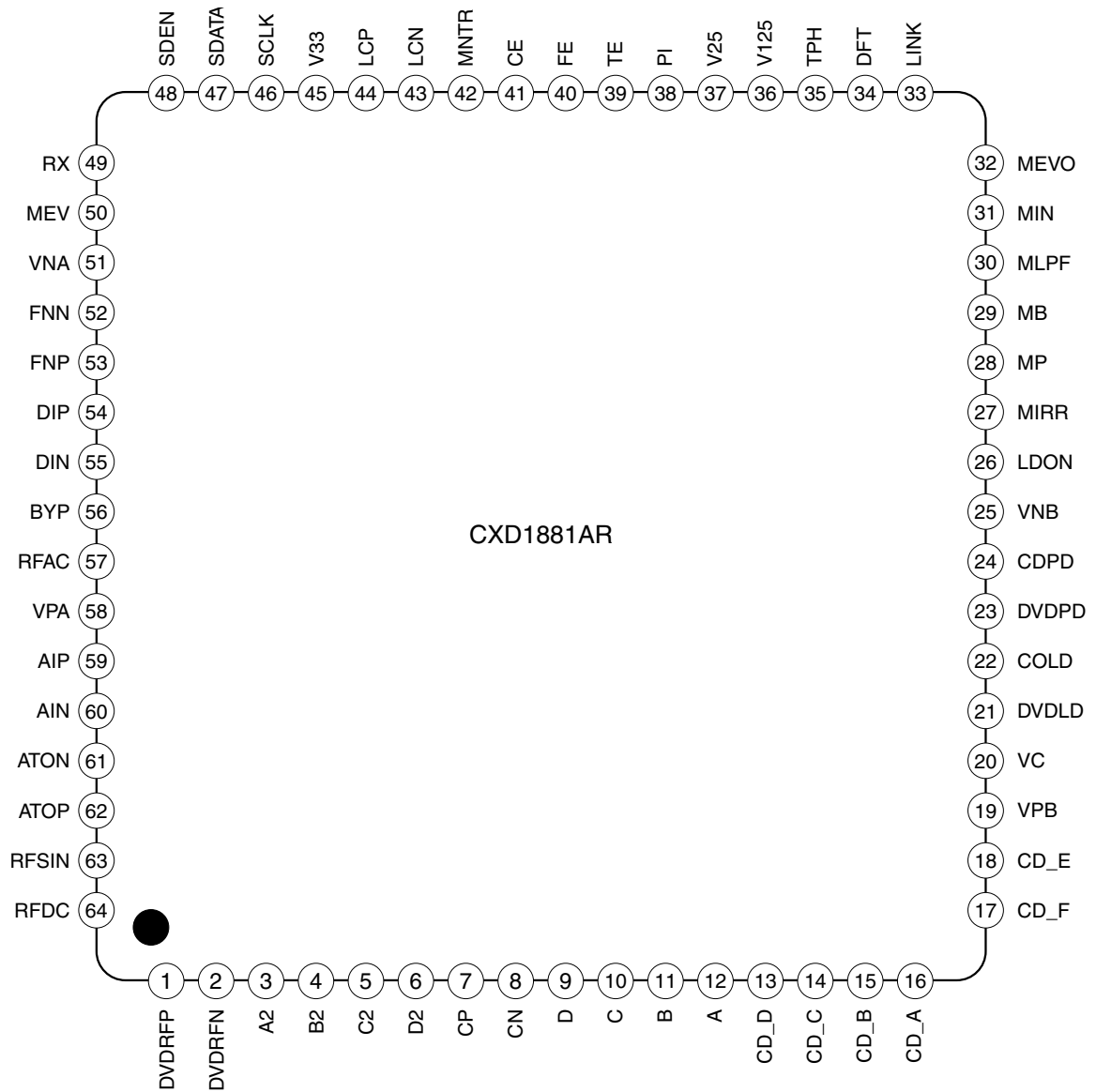
IC402: 16M SDRAM (EM636165TS-7 etc)

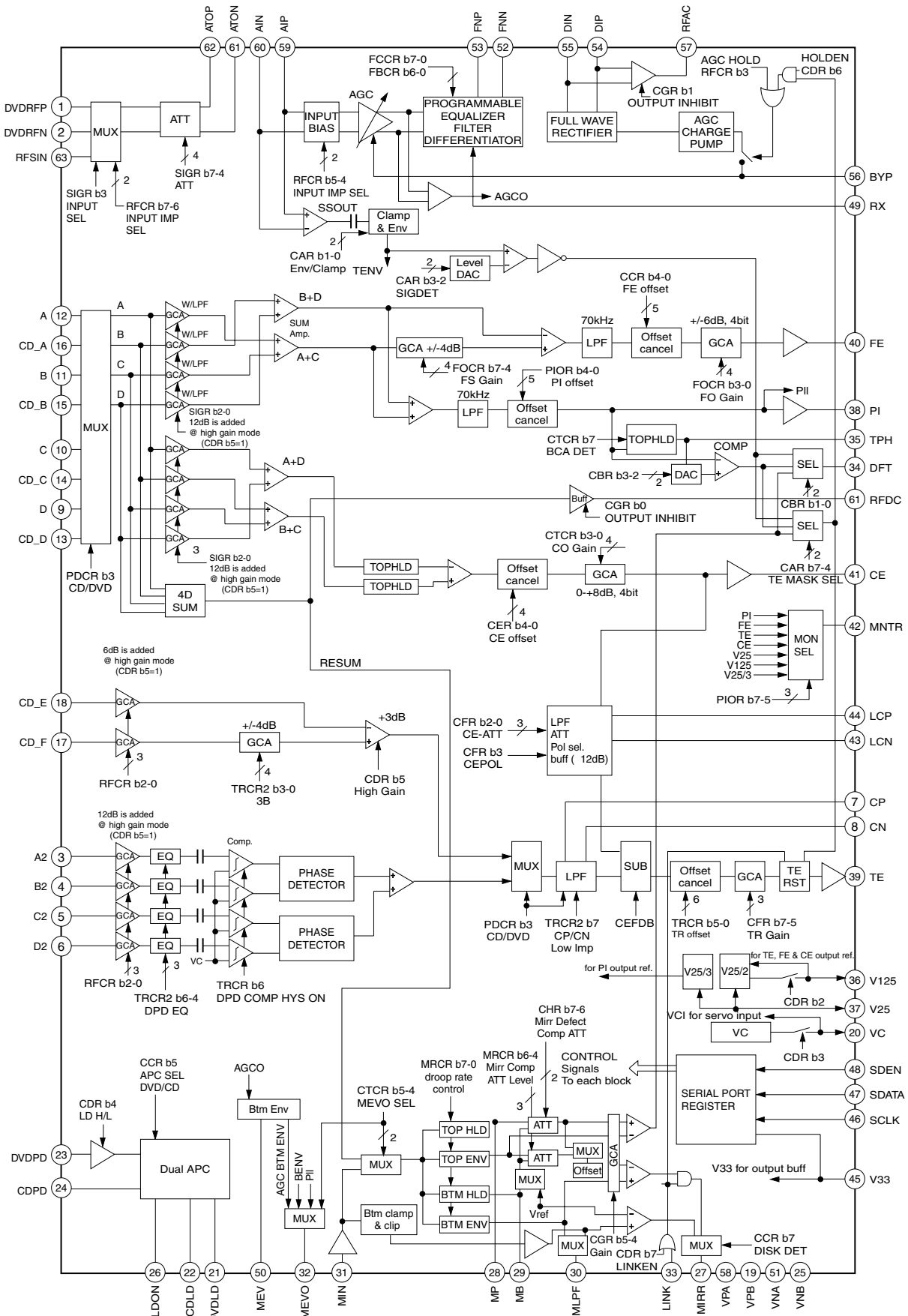


Terminal Function

Pin No.	Pin Name	Symbol	Function
1	VDD	Power Supply/Ground	Power and ground for the input buffer and the core logic
2	DQ0	Data Input/Output	Data input/output are multiplexed on the same pin
3	DQ1	Data Input/Output	Data input/output are multiplexed on the same pin
4	VSSQ	Data Output Power/Ground	Isolated power supply and ground for the output buffer
5	DQ2	Data Input/Output	Data input/output are multiplexed on the same pin
6	DQ3	Data Input/Output	Data input/output are multiplexed on the same pin
7	VDDQ	Data Output Power/Ground	Isolated power supply and ground for the output buffer
8	DQ4	Data Input/Output	Data input/output are multiplexed on the same pin
9	DQ5	Data Input/Output	Data input/output are multiplexed on the same pin
10	VSSQ	Data Output Power/Ground	Isolated power supply and ground for the output buffer
11	DQ6	Data Input/Output	Data input/output are multiplexed on the same pin
12	DQ7	Data Input/Output	Data input/output are multiplexed on the same pin
13	VDDQ	Data Output Power/Ground	Isolated power supply and ground for the output buffer
14	L DQM	Data Input/Output Mask	Blocks data input when active
15	WE	Write Enable	Enables write operation and row precharge
16	CAS	Column Address Strobe	Latches column address on the positive going edge of the CLK at low
17	RAS	Row Address Strobe	Latches row address on the positive going edge of the CLK at low
18	CS	Chip Select	Disables or enables device operation by masking or enabling all inputs except CLK, CKE, and LDQM
19	BA	Bank Select Address	Selects bank to be activated during row address latch time
20	A10/AP	Address	Row/column addresses are multiplexed on the same pin
21	A0	Address	Row/column addresses are multiplexed on the same pin
22	A1	Address	Row/column addresses are multiplexed on the same pin
23	A2	Address	Row/column addresses are multiplexed on the same pin
24	A3	Address	Row/column addresses are multiplexed on the same pin
25	VDD	Power Supply/Ground	Power and ground for the input buffer and the core logic
26	VSS	Power Supply/Ground	Power and ground for the input buffer and the core logic
27	A4	Address	Row/column addresses are multiplexed on the same pin
28	A5	Address	Row/column addresses are multiplexed on the same pin
29	A6	Address	Row/column addresses are multiplexed on the same pin
30	A7	Address	Row/column addresses are multiplexed on the same pin
31	A8	Address	Row/column addresses are multiplexed on the same pin
32	A9	Address	Row/column addresses are multiplexed on the same pin
33	N.C	No Connection	No connect pin
34	CKE	Clock Enable	Masks system clock to freeze operation from the next clock cycle
35	CLK	System Clock	Active on the positive going edge to sample all inputs
36	U DQM	Data Input/Output Mask	Blocks data input when active
37	N.C/RFU	NC/Reserved	No connect pin
38	VDDQ	Data Output Power/Ground	Isolated power supply and ground for the output buffer
39	DQ8	Data Input/Output	Data input/output are multiplexed on the same pin
40	DQ9	Data Input/Output	Data input/output are multiplexed on the same pin
41	VSSQ	Data Output Power/Ground	Isolated power supply and ground for the output buffer
42	DQ10	Data Input/Output	Data input/output are multiplexed on the same pin
43	DQ11	Data Input/Output	Data input/output are multiplexed on the same pin
44	VDDQ	Data Output Power/Ground	Isolated power supply and ground for the output buffer
45	DQ12	Data Input/Output	Data input/output are multiplexed on the same pin
46	DQ13	Data Input/Output	Data input/output are multiplexed on the same pin
47	VSSQ	Data Output Power/Ground	Isolated power supply and ground for the output buffer
48	DQ14	Data Input/Output	Data input/output are multiplexed on the same pin
49	DQ15	Data Input/Output	Data input/output are multiplexed on the same pin
50	VSS	Power Supply/Ground	Power and ground for the input buffer and the core logic

IC501: CDX1881AR





IC501: CDX1881AR

Power Supply Pins

Name	I/O	Function
VPA	-	Power for RF and serial port
VPB	-	Power for servo
VNA	-	GND for RF and serial port
VNB	-	GND for servo
V33	-	Power for output buffer
V25	-	Reference Power for servo output

Input Pins

Name	I/O	Function
DVDRFP, DVDRFN	I	RF signal input
RFSIN	I	RF signal input
AIP,AIN	I	AGC amp. input
DIP,DIN	I	Analog input for RF single buffer
A,B,C,D	I	Photo detector interface input
A2, B2, C2, D2	I	Photo detector interface input
CD_A, B, C, D	I	CD photo detector interface input
CD_E, F	I	CD photo detector interface input
MIN	I	RF signal input for mirror
DVDPD	I	APC input
CDPD	I	APC input
LDON	I	APC input ON/OFF (L:Open)
	I	Link signal input (L:Open)
	O	Mirror monitor output

Output Pins

Name	I/O	Function
ATOP,ATON	O	Differential attenuator output
FNP,FNN	O	Differential normal output
RFAC	O	Single end normal output
RFDC	O	RF signal output
FE	O	Focus error signal output
TE	O	Tracking error signal output
CE	O	Center error signal output
MEVO	O	RFDDC bottom envelope output
DFT	O	Defect output
MIRR	O	Mirror detected output
PI	O	Pull-in signal output
DVDLD	O	APC output
CDLD	O	APC output
MNTR	O	Monitor output

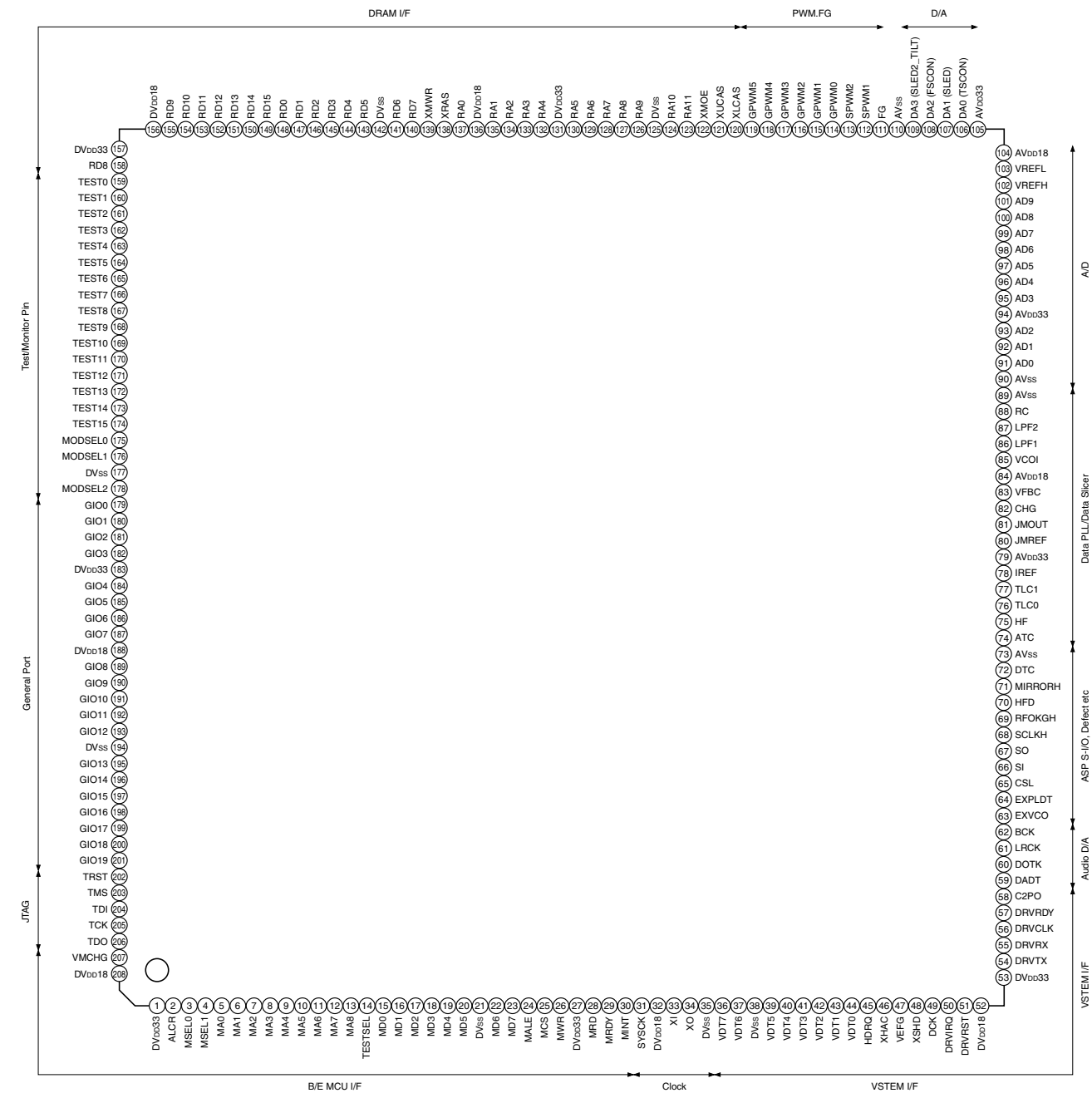
Analog Pins

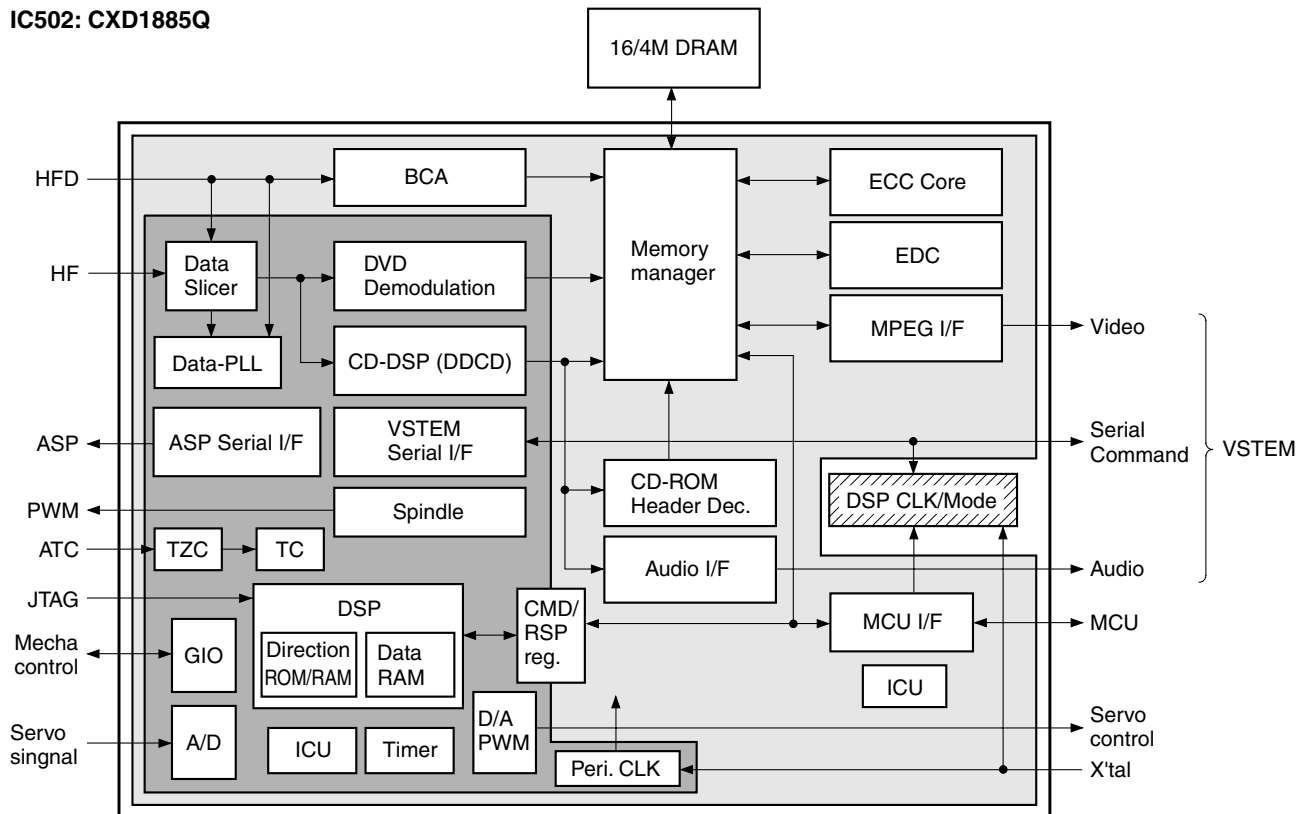
Name	I/O	Function
BYP	-	RF AGC integration capacitor connecting terminal
CP	-	Differential phase tracking LPF terminal
CN	-	Differential phase tracking LPF terminal
LCP	-	Lens shift offset cancel LPF terminal
LCN	-	Lens shift offset cancel LPF terminal
MP	-	MIRR top hold terminal
MB	-	MIRR bottom hold terminal
MEV	-	RFDC bottom envelope terminal
MLPF	-	Mirror LPF terminal
TPH	-	PI top hold terminal
VC	-	Reference voltage output
V125	-	Reference voltage output
RX	-	Reference resistor input

Serial Port Pins

Name	I/O	Function
SDEN	I	Serial data enable
SDATA	I/O	Serial data
SCLK	I	Serial clock

IC502: CXD1885Q



IC502: CXD1885Q


(A/D : Analog/Digital, PU : Pull-up, PD : Pull-down, SMT=Schmitt)

No.	Terminal Name	I/O	A/D	Classification	Function	PU	PD	SMT
1	DVDD33	P		VDD & GND	Digital 3.3V Power for I/O.			
2	ALCR	I	D	MCU I/F	Chip select input. (L: Reset)	*		*
3	MSEL0	I	D	MCU I/F	MCU I/F mode select 0.			*
4	MSEL1	I	D	MCU I/F	MCU I/F mode select 1.			*
5	MA0	I/O	D	MCU I/F	MCU Address input 0 / data I/O 0 <LSB>.			*
6	MA1	I/O	D	MCU I/F	MCU Address input 1 / data I/O 1.			*
7	MA2	I/O	D	MCU I/F	MCU Address input 2 / data I/O 2.			*
8	MA3	I/O	D	MCU I/F	MCU Address input 3 / data I/O 3.			*
9	MA4	I/O	D	MCU I/F	MCU Address input 4 / data I/O 4.			*
10	MA5	I/O	D	MCU I/F	MCU Address input 5 / data I/O 5.			*
11	MA6	I/O	D	MCU I/F	MCU Address input 6 / data I/O 6.			*
12	MA7	I/O	D	MCU I/F	MCU Address input 7 / data I/O 7.			*
13	MA8	I	D	MCU I/F	MCU Address input 8 <MSB>.			*
14	TESTSEL	I	D	MCU I/F	TEST Select input.			*
15	MD0	I/O	D	MCU I/F	MCU data I/O 0 <LSB>.			*
16	MD1	I/O	D	MCU I/F	MCU data I/O 1.			*
17	MD2	I/O	D	MCU I/F	MCU data I/O 2.			*
18	MD3	I/O	D	MCU I/F	MCU data I/O 3.			*
19	MD4	I/O	D	MCU I/F	MCU data I/O 4.			*
20	MD5	I/O	D	MCU I/F	MCU data I/O 5.			*
21	DVSS	P		VDD & GND	Digital Ground.			
22	MD6	I/O	D	MCU I/F	MCU data I/O 6.			*
23	MD7	I/O	D	MCU I/F	MCU data I/O 7 <MSB>.			*
24	MALE	I	D	MCU I/F	MCU Address latch signal input.			*
25	MCS	I	D	MCU I/F	MCU Chip Select signal input.			*
26	MWR	I	D	MCU I/F	MCU Write strobe signal.			*
27	DVDD33	P		VDD & GND	digital 3.3V Power. (for I/O)			
28	MRD	I	D	MCU I/F	MCU Read Strobe signal.			*
29	MRDY	O	D	MCU I/F	MCU Ready signal. (L: Wait)			
30	MINT	O	D	MCU I/F	MCU Interrupt signal. (L: Interrupt request)			
31	SYSCK	O	D	Clock	Clock Monitor output.			
32	DVDD18	P		VDD & GND	Digital 1.8V Power. (Internal logic system power)			
33	XI	I	D	Clock	Crystal oscillation input.			
34	XO	O	D	Clock	Crystal oscillation output.			
35	DVSS	P		VDD & GND	Digital Ground.			
36	VD7	O	D	VSTEM A/V	MPEG data output 7.			
37	VD6	O	D	VSTEM A/V	MPEG data output 6.			

IC502: CXD1885Q

No.	Terminal Name	I/O	A/D	Classification	Function	PU	PD	SMT
38	DVSS	P		VDD & GND	Digital Ground.			
39	VD5	O	D	VSTEM A/V	MPEG data output 5.			
40	VD4	O	D	VSTEM A/V	MPEG data output 4.			
41	VD3	O	D	VSTEM A/V	MPEG data output 3.			
42	VD2	O	D	VSTEM A/V	MPEG data output 2.			
43	VD1	O	D	VSTEM A/V	MPEG data output 1.			
44	VD0	O	D	VSTEM A/V	MPEG data output 0.			
45	HDRQ	I	D	VSTEM A/V	MPEG data Request input.	*		
46	XHAC	O	D	VSTEM A/V	Data Valid output.			
47	VEFG	O	D	VSTEM A/V	ECC Error-sector Flag output. (L: error sector)			
48	XSHD	O	D	VSTEM A/V	DVD Sector Head Flag output.			
49	DCK	O	D	VSTEM A/V	Data Strobe output.			
50	DRVIRQ	O	D	VSTEM Command	Interrupt Request output for Host. (L: interruption is demanded)			
51	DRVIRST	I	D	VSTEM Command	Drive H/W Reset input. (L: reset)	*		*
52	DVDD18	P		VDD & GND	Digital 1.8V power for Internal logic system.			
53	DVDD33	P		VDD & GND	Digital 3.3V Power for I/O.			
54	DRVTX	O	D	VSTEM Command	Transmitting serial data output to Host.			
55	DRVRX	I	D	VSTEM Command	Reception serial data input from Host.			
56	DRVCLK	I	D	VSTEM Command	Clock input from Host.			*
57	DRVRDY	O	D	VSTEM Command	Drive Ready signal output. (L: ready)			
58	C2PO	O	D	Audio I/F	CD-DSP C2 Pointer output.			
59	DADT	O	D	Audio I/F	Audio serial data output.			
60	DOTX	O	D	Audio I/F	Digital audio output.			
61	LRCK	O	D	Audio I/F	L/R Clock output.			
62	BCK	O	D	Audio I/F	Audio Bit Clock output.			
63	EXVCO	I	D	TEST/Monitor	External Channel clock input.			
64	EXPLDT	I	D	TEST/Monitor	External RF data input. (Logic level)			
65	CSL	O	D	ASP I/F	SIO for RF signal processing LSI control. Latch signal output.			
66	SI	I	D	ASP I/F	SIO for RF signal processing LSI control. Serial data input.			
67	SO	O	D	ASP I/F	SIO for RF signal processing LSI control. Serial data output.			
68	SCLKH	O	D	ASP I/F	SIO for RF signal processing LSI control. Serial clock output.			
69	RFOKGH	I	D	ASP I/F	RF O.K. Signal input.			*
70	HFD	I	D	ASP I/F	RF lack Signal input.			*
71	MIRRORH	I	D	ASP I/F	Mirror detected signal input.(H: Mirror detected)			*
72	DTC	I	D	ASP I/F	Track cross signal input. (Logic level input)			*
73	AVSS	P		VDD & GND	Analog Ground.			
74	ATC	I	A	Data PLL	Track Cross signal input. (Analog level input)			
75	HF	I	A	Data PLL	RF signal input.			
76	TLC0	O	A	Data PLL	Asymmetry Charge-pump output 0.			
77	TLC1	O	A	Data PLL	Asymmetry Charge-pump output 1			
78	IREF	I	A	Data PLL	Reference current setting terminal for Asymmetry Circuit.			
79	AVDD33	P		VDD & GND	Analog 3.3V Power.			
80	JMREF	I	A	Data PLL	Reference current setting terminal for Jitter Monitor			
81	JMOUT	O	A	Data PLL	Jitter Monitor output.			
82	CHG	I	A	Data PLL	Reference current setting terminal for data PLL.			
83	VFBC	I	A	Data PLL	VCO offset frequency setting terminal for data PLL.			
84	AVDD18	P		VDD & GND	Analog 1.8V Power.			
85	VCOI	I	A	Data PLL	VCO Control voltage input terminal for data PLL.			
86	LPF1	O	A	Data PLL	VCO Loop-filter connection terminal 1 for data PLL.			
87	LPF2	O	A	Data PLL	VCO Loop-filter connection terminal 2 for data PLL			
88	RC	I	A	Data PLL	VCO gain setting terminal for data PLL.			
89	AVSS	P		VDD & GND	Analog Ground.			
90	AVSS	P		VDD & GND	Analog Ground.			
91	AD0	I	A	ADC	AD0 Input.			
92	AD1	I	A	ADC	AD1 Input.			
93	AD2	I	A	ADC	AD2 Input.			
94	AVDD33	P		VDD & GND	Analog 3.3V Power.			
95	AD3	I	A	ADC	AD3 Input.			
96	AD4	I	A	ADC	AD4 Input.			
97	AD5	I	A	ADC	AD5 Input.			
98	AD6	I	A	ADC	AD6 Input.			
99	AD7	I	A	ADC	AD7 Input.			
100	AD8	I	A	ADC	AD8 Input.			
101	AD9	I	A	ADC	AD9 Input.			

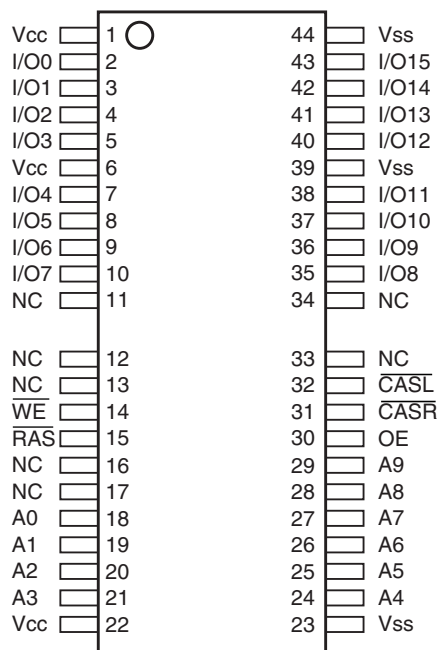
IC502: CXD1885Q

No.	Terminal Name	I/O	A/D	Classification	Function	PU	PD	SMT
102	VREFH	I/O	A	ADC	Max Reference Voltage input for ADC. (Internal Reference Voltage mode, it will be an output state)			
103	VREFL	I/O	A	ADC	Min Reference Voltage input for ADC. (Internal Reference Voltage mode, it will be an output state)			
104	AVDD18	P		VDD & GND	Analog 1.8V Power.			
105	AVDD33	P		VDD & GND	Analog 3.3V Power.			
106	DA0 (TSCON)	O	A	DAC	DA0 output. (Track Servo output)			
107	DA1 (SLED)	O	A	DAC	DA1 output. (Sled Servo output)			
108	DA2 (FSCON)	O	A	DAC	DA2 output. (Focus Servo output)			
109	DA3 (SLED2_TILT)	O	A	DAC	DA3 output. (Sled Servo / Tilt Servo output)			
110	AVSS	P		VDD & GND	Analog Ground			
111	FG	I	D	SPM	FG signal input.			*
112	SPWM1	O	D	SPM	Spindle motor PWM output 1.			
113	SPWM2	O	D	SPM	Spindle motor PWM output 2.			
114	GPWM0	O	D	General PWM	Multi-purpose PWM output 0.			
115	GPWM1	O	D	General PWM	Multi-purpose PWM output 1.			
116	GPWM2	O	D	General PWM	Multi-purpose PWM output 2.			
117	GPWM3	O	D	General PWM	Multi-purpose PWM output 3.			
118	GPWM4	O	D	General PWM	Multi-purpose PWM output 4.			
119	GPWM5	O	D	General PWM	Multi-purpose PWM output 5.			
120	XLCAS	O	D	DRAM I/F	DRAM LCAS output. (Low-Byte row address strobe output)			
121	XUCAS	O	D	DRAM I/F	DRAM UCAS output. (Upper-Byte row address strobe output)			
122	XMOE	O	D	DRAM I/F	DRAM output enable.			
123	RA11	O	D	DRAM I/F	DRAM address output terminal 11.			
124	RA10	O	D	DRAM I/F	DRAM address output terminal 10.			
125	DVSS	P		VDD & GND	Digital Ground.			
126	RA9	O	D	DRAM I/F	DRAM address output terminal 9.			
127	RA8	O	D	DRAM I/F	DRAM address output terminal 8.			
128	RA7	O	D	DRAM I/F	DRAM address output terminal 7.			
129	RA6	O	D	DRAM I/F	DRAM address output terminal 6.			
130	RA5	O	D	DRAM I/F	DRAM address output terminal 5.			
131	DVDD33	P		VDD & GND	Digital 3.3V Power. (for I/O)			
132	RA4	O	D	DRAM I/F	DRAM address output terminal 4.			
133	RA3	O	D	DRAM I/F	DRAM address output terminal 3.			
134	RA2	O	D	DRAM I/F	DRAM address output terminal 2.			
135	RA1	O	D	DRAM I/F	DRAM address output terminal 1.			
136	DVDD18	P		VDD & GND	Digital 1.8V Power. (for Internal Logic power)			
137	RA0	O	D	DRAM I/F	DRAM address output terminal 0.			
138	XRAS	O	D	DRAM I/F	DRAM RAS output. (Column address strobe output)			
139	XMWR	O	D	DRAM I/F	DRAM Write enable.			
140	RD7	I/O	D	DRAM I/F	DRAM data input/output terminal 7.	*		
141	RD6	I/O	D	DRAM I/F	DRAM data input/output terminal 6.	*		
142	DVSS	P		VDD & GND	Digital Ground.			
143	RD5	I/O	D	DRAM I/F	DRAM data input/output terminal 5.	*		
144	RD4	I/O	D	DRAM I/F	DRAM data input/output terminal 4.	*		
145	RD3	I/O	D	DRAM I/F	DRAM data input/output terminal 3.	*		
146	RD2	I/O	D	DRAM I/F	DRAM data input/output terminal 2.	*		
147	RD1	I/O	D	DRAM I/F	DRAM data input/output terminal 1.	*		
148	RD0	I/O	D	DRAM I/F	DRAM data input/output terminal 0.	*		
149	RD15	I/O	D	DRAM I/F	DRAM data input/output terminal 15.	*		
150	RD14	I/O	D	DRAM I/F	DRAM data input/output terminal 14.	*		
151	RD13	I/O	D	DRAM I/F	DRAM data input/output terminal 13.	*		
152	RD12	I/O	D	DRAM I/F	DRAM data input/output terminal 12.	*		
153	RD11	I/O	D	DRAM I/F	DRAM data input/output terminal 11.	*		
154	RD10	I/O	D	DRAM I/F	DRAM data input/output terminal 10.	*		
155	RD9	I/O	D	DRAM I/F	DRAM data input/output terminal 9.	*		
156	DVDD18	P		VDD & GND	Digital 1.8V Power. (for internal Logic system)			
157	DVDD33	P		VDD & GND	Digital 3.3V power for I/O.			
158	RD8	I/O	D	DRAM I/F	DRAM data input/output terminal 8.	*		
159	TEST0	O	D	TEST/Monitor	TEST I/O 0.			
160	TEST1	O	D	TEST/Monitor	TEST I/O 1.			
161	TEST2	O	D	TEST/Monitor	TEST I/O 2.			
162	TEST3	O	D	TEST/Monitor	TEST I/O 3.			
163	TEST4	O	D	TEST/Monitor	TEST I/O 4.			

IC502: CXD1885Q

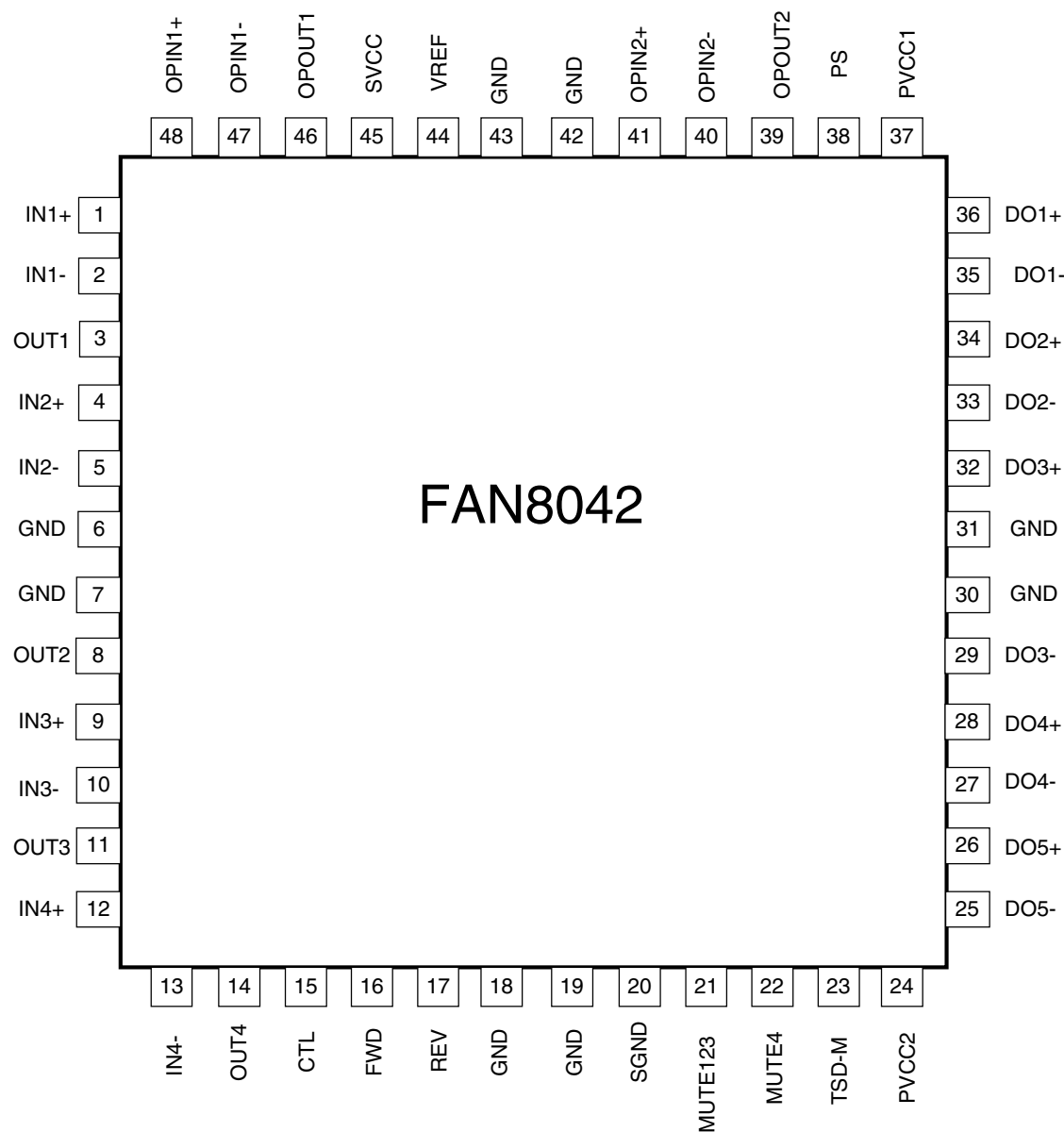
No.	Terminal Name	I/O	A/D	Classification	Function	PU	PD	SMT
164	TEST5	O	D	TEST/Monitor	TEST I/O 5.			
165	TEST6	O	D	TEST/Monitor	TEST I/O 6.			
166	TEST7	O	D	TEST/Monitor	TEST I/O 7.			
167	TEST8	O	D	TEST/Monitor	TEST I/O 8.			
168	TEST9	O	D	TEST/Monitor	TEST I/O 9.			
169	TEST10	O	D	TEST/Monitor	TEST I/O 10.			
170	TEST11	O	D	TEST/Monitor	TEST I/O 11.			
171	TEST12	O	D	TEST/Monitor	TEST I/O 12.			
172	TEST13	O	D	TEST/Monitor	TEST I/O 13.			
173	TEST14	O	D	TEST/Monitor	TEST I/O 14.			
174	TEST15	O	D	TEST/Monitor	TEST I/O 15.			
175	MODSEL0	I	D	TEST/Monitor	TEST mode select 0. (GND, under normal conditions)			
176	MODSEL1	I	D	TEST/Monitor	TEST mode select 1. (GND, under normal conditions)			
177	DVSS	P		VDD & GND	Digital Ground.			
178	MODSEL2	I	D	TEST/Monitor	TEST mode select 2. (GND, under normal conditions)			
179	GIO0	I/O	D	Multi-purpose	Multi-purpose port 0.		*	*
180	GIO1	I/O	D	Multi-purpose	Multi-purpose port 1.		*	*
181	GIO2	I/O	D	Multi-purpose	Multi-purpose port 2.		*	*
182	GIO3	I/O	D	Multi-purpose	Multi-purpose port 3.		*	*
183	DVDD33	P		VDD & GND	Digital 3.3V Power for I/O.			
184	GIO4	I/O	D	General Port	Multi-purpose port 4.		*	*
185	GIO5	I/O	D	General Port	Multi-purpose port 5.		*	*
186	GIO6	I/O	D	General Port	Multi-purpose port 6.		*	*
187	GIO7	I/O	D	General Port	Multi-purpose port 7.		*	*
188	DVDD18	P		VDD & GND	Digital 1.8V Power for I/O. (for internal Logic system)			
189	GIO8	I/O	D	General Port	Multi-purpose port 8.		*	*
190	GIO9	I/O	D	General Port	Multi-purpose port 9.	*	*	*
191	GIO10	I/O	D	General Port	Multi-purpose port 10.		*	*
192	GIO11	I/O	D	General Port	Multi-purpose port 11.		*	*
193	GIO12	I/O	D	General Port	Multi-purpose port 12.	*	*	*
194	DVSS	P		VDD & GND	Digital Ground.			
195	GIO13	I/O	D	Multi-purpose	Multi-purpose port 13.	*	*	*
196	GIO14	I/O	D	General Port	Multi-purpose port 14.	*	*	*
197	GIO15	I/O	D	General Port	Multi-purpose port 15.	*	*	*
198	GIO16	I/O	D	General Port	Multi-purpose port 16.		*	*
199	GIO17	I/O	D	General Port	Multi-purpose port 17.		*	*
200	GIO18	I/O	D	General Port	Multi-purpose port 18.		*	*
201	GIO19	I/O	D	General Port	Multi-purpose port 19.		*	*
202	TRST	I	D	JTAG I/F	JTAG Reset input.		*	*
203	TMS	I	D	JTAG I/F	JTAG Mode Select input.	*		*
204	TDI	I	D	JTAG I/F	JTAG Data Input.	*		*
205	TCK	I	D	JTAG I/F	JTAG Clock input.	*		
206	TDO	O	D	JTAG I/F	JTAG Data output.			
207	VMCHG	I	D	MCU I/F	VSTEM / external MCU access selection terminal of system setting register for DSP. (L: VSTEM, H: external MCU)			
208	DVDD18	P		VDD & GND	Digital 1.8V power for internal Logic system.			

IC503: M11L16161SA-45T



PIN DESCRIPTIONS

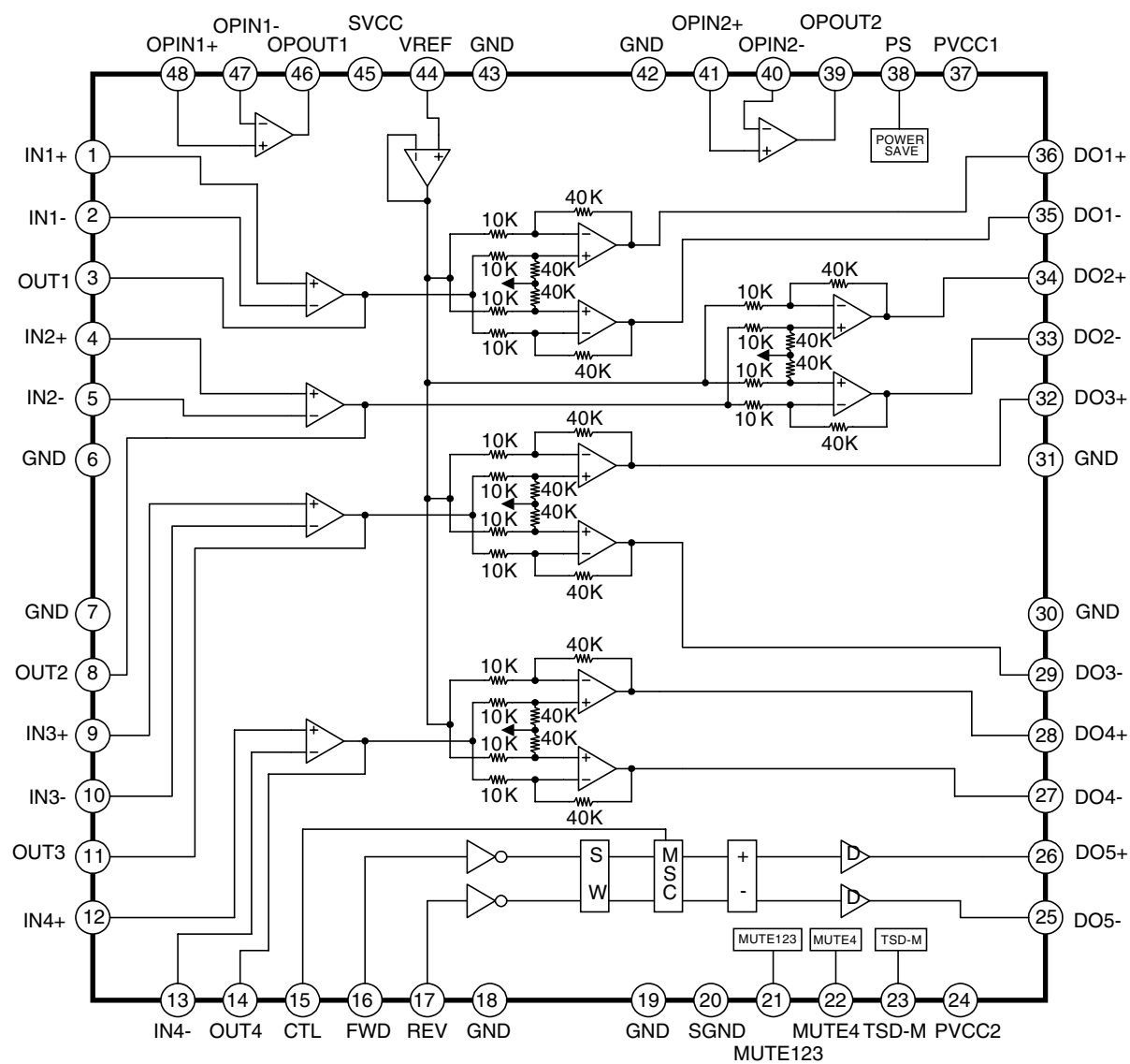
PIN NO. (SOJ Package)	PIN NAME	TYPE	DESCRIPTION
17~20,23~28	A0~A9	Input	Address Input Row Address:A0~A9 Column Address:A0~A9
14	$\overline{\text{RAS}}$	Input	Row Address Strobe
30	$\overline{\text{CASH}}$	Input	Column Address Strobe/Upper Byte Control
31	$\overline{\text{CASL}}$	Input	Column Address Strobe/Lower Byte Control
13	$\overline{\text{WE}}$	Input	Write Enable
29	$\overline{\text{OE}}$	Input	Output Enable
2~5,7~10, 33~36,38~41	I/O0~I/O15	Input/Output	Data Input/Output
1,6,21	Vcc	Supply	Power,(5V or 3.3V)
22,37,42	Vss	Ground	Ground
11,12,15,16,32	NC	-	No Connect



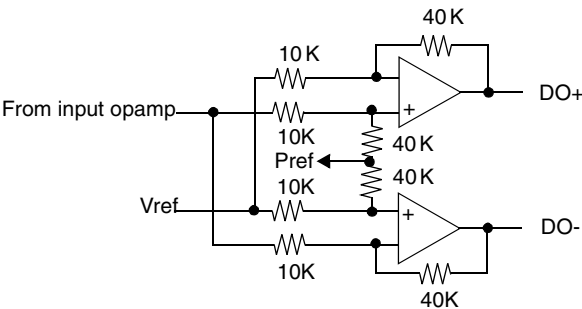
IC508: FAN8042

No.	Pin Name	I/O	Pin Function Description
1	IN1+	I	CH1 op-amp input (+)
2	IN1-	I	CH1 op-amp input (-)
3	OUT1	O	CH1 op-amp output
4	IN2+	I	CH2 op-amp input (+)
5	IN2-	I	CH2 op-amp input (-)
6	GND	-	Ground
7	GND	-	Ground
8	OUT2	O	CH2 op-amp output
9	IN3+	I	CH3 op-amp input (+)
10	IN3-	I	CH3 op-amp input (-)
11	OUT3	O	CH3 op-amp output
12	IN4+	I	CH4 op-amp input (+)
13	IN4-	I	CH4 op-amp input (-)
14	OUT4	O	CH4 op-amp output
15	CTL	I	CH5 motor speed control
16	FWD	I	CH5 forward input
17	REV	I	CH5 reverse input
18	GND	-	Ground
19	GND	-	Ground
20	SGND	-	Signal Ground
21	MUTE123	I	Mute for CH1,2,3
22	MUTE4	I	Mute for CH4
23	TSD-M	O	TSD monitor
24	PVCC2	-	Power supply voltage 2 (For CH4,CH5)
25	DO5-	O	CH5 drive output (-)
26	DO5+	O	CH5 drive output (+)
27	DO4-	O	CH4 drive output (-)
28	DO4+	O	CH4 drive output (+)
29	DO3-	O	CH3 drive output (-)
30	GND	-	Ground
31	GND	-	Ground
32	DO3+	O	CH3 drive output (+)
33	DO2-	O	CH2 drive output (-)
34	DO2+	O	CH2 drive output (+)
35	DO1-	O	CH1 drive output (-)
36	DO1+	O	CH1 drive output (+)
37	PVCC1	-	Power supply voltage 1 (FOR CH1 CH2,CH3)
38	PS	I	Power save
39	OPOUT2	O	Normal op-amp2 output
40	OPIN2-	I	Normal op-amp2 input (-)
41	OPIN2+	I	Normal op-amp2 input (+)
42	GND	-	Ground
43	GND	-	Ground
44	VREF	I	Bias voltage input
45	SVCC	-	Signal & OPAMPs supply voltage
46	OPOUT1	O	Normal op-amp1 output
47	OPIN1-	I	Normal op-amp1 input (-)
48	OPIN1+	I	Normal op-amp1 input (+)

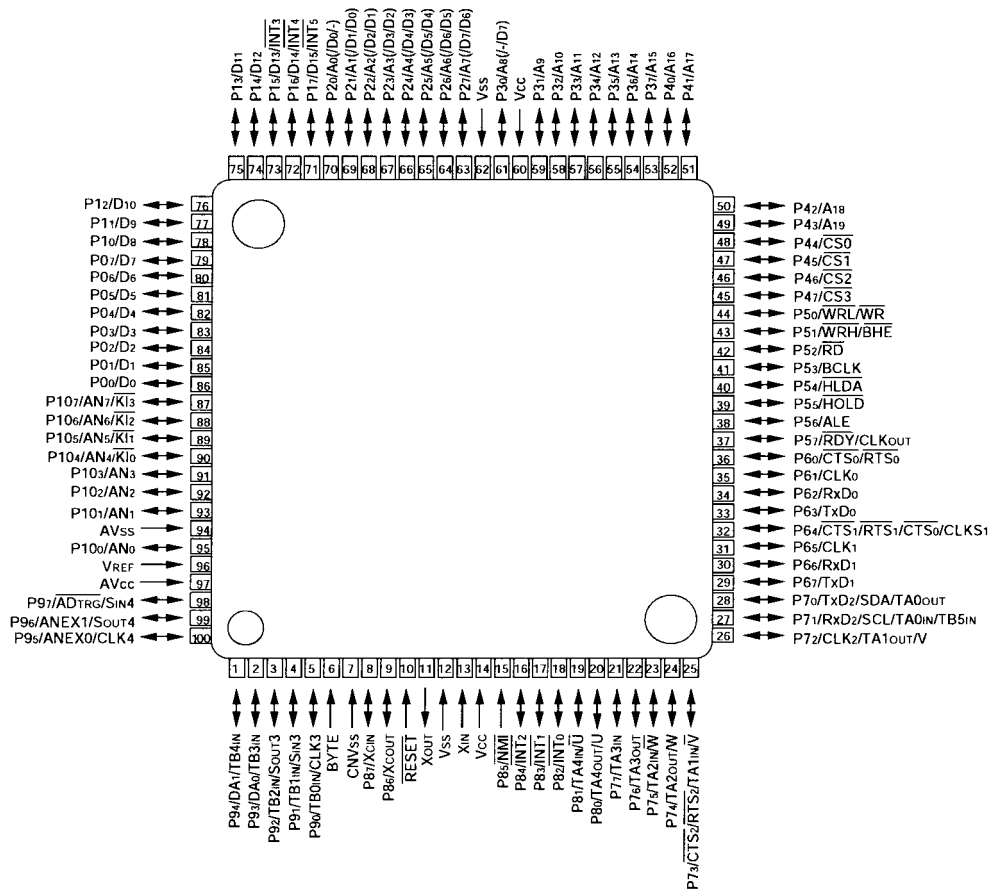
Internal Block Diagram



Note. Detailed circuit of the output power amp



Pref1 is almost PVCC1 / 2
Pref2 is almost PVCC2 / 2

IC731: M3062LFGPGP


No.	Pin Port	Function	I/O	Initial	Mode	Action	Note	Description (USER1:H/USER2:H)
1	P94/DA1/TB4IN	P94	O	H	MULT_LED	MULTI SURROUND(LED L=ON)		
2	P93/DA0/TB3IN	P93	O	H	DSCS1	CHIP SELECT for FRONT DAC		
3	P92/TB2IN/SOUT3	SOUT3	O	H	DSDO	CONTOROL SERIAL DATA for ALL DAC		CS4379 control data
4	P91/TB1IN/SIN3	P91	I		USER1	MODEL SELECT 1		H
5	P90/TB0IN/CLK3	CLK3	O	H	DSCLK	DATA CLOCK for ALL DAC		CS4379 control data clock
6	BYTE	BYTE	I		BYTE	PULL UP(8bit)		
7	CNVss	CNVss	I		CNVSS	PULL DOWN 5.6k ohm)		
8	P87/XCIN	P87	O	H	DSCS2	CHIP SELECT for SURROUND DAC		CS4379 SURROUND ch chip select
9	P86/XCOUT	P86	O	H	DSCS3	CHIP SELECT for DXP7001 DAC or DISPLAY OFF		DISPLAY OFF=LOW
10	RESET~	RESET~	I		RESET	RESET INPUT		
11	XOUT	XOUT	O		X.TAL	OSC OUT		
12	VSS	VSS	-		VSS	GND		
13	XIN	XIN	I		X.TAL	OSC IN		
14	VCC	VCC	-		3.3V	POWER INPUT		
15	P85/NMI~	P85	I		P_UP1	10K PULL UP(NON CONECT)	NOT USE	
16	P84/INT2~	INT2~	I/O		IR_IN	IR INPUT SIGNAL(Ma:RC-5/ De:SHARP FORMAT)		IR remote control input
17	P83/INT1~	INT1~	I		MINT	INT from CXD1885Q		
18	P82/INT0~	INT0~	I		DRVIRQ	CXD1885Q DATA REQUEST		

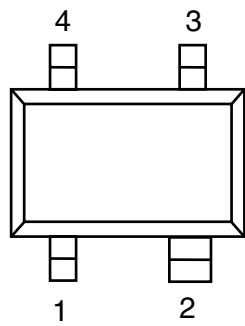
IC731: M3062LFGPGP

No.	Pin Port	Function	I/O	Initial	Mode	Action	Note	Description (USER1:H/USER2:H)
19	P81/TA4IN/U~	P81	O	L	FS_SW	DAC SYSTEM F78CLK SWITCH SIGNAL(384fs/192fs)		CD:Fix to Low SACD:Fix to High
20	P80/TA4OUT/U	TA4OUT	O	L	PWM	TRAY CONTROL PWM SIGNAL		
21	P77/TA3IN	P77	O	H	SELDSD	SELECT for DSD SIGNAL(PLD)		
22	P76/TA3OUT	P76	O	H	SMUTE	MUTING for CXD2753R		
23	P75/TA2IN/W~	P75	O	H	DSDRST	RESET for CXD2753R		
24	P74/TA2OUT/W	P74	I		MSREADY	SERIAL DATA READY from CXD2753R		
25	P73/CTS2~/RTS2~/TA1IN/V~	P73	O	H	XMSLAT	SERIAL DATA LATCH for CXD2753R		
26	P72/CLK2/TA1OUT/V	CLK2	O	H	MSCK	SERIAL DATA CLK for CXD2753R		
27	P71/RXD2/SCL/TA0IN/TB5IN	RXD2	I		MSDATAO	SERIAL DATA INPUT from CXD2753R	PULL UP	
28	P70/TXD2/SDA/TA0OUT	TXD2	O	H	MSDATI	SERIAL DATA OUTPUT for CXD2753R	PULL UP	
29	P67/TXD1	P67	O	H	CD_LED	FOR CD SELECT (LED L:ON)	Flash(w:pull up)	
30	P66/RXD1	P66	O	H	SA_LED	FOR SACD SELECT (LED L:ON)	Flash(w:pull up)	
31	P65/CLK1	P65	O	H	PULL_DWN	5.1K PULL DOWN(NON CONECT)	Flash(w:pull down)	
32	P64/CTS1~/RTS1~/CTS0~/CLKS1	P64	O	H	DRVRST	RESET for CXD1885Q(RESET=L)	Flash(w:pull up)	
33	P63/TXD0	TXD0	O	H	DRVRX	SERIAL DATA for CXD1885Q		
34	P62/RXD0	RXD0	I		DRVTX	SERIAL DATA from CXD1885Q		
35	P61/CLK0	CLK0	O	H	DRVCLK	DATA CLOCK for CXD1885Q		
36	P60/CTS0~/RTS0~	CTS0~	I		DRVRDY	DATA READY SIGNAL from CXD1885Q		
37	P57/RDY~/CLKOUT	RDY~	I		MRDY	READY from CXD1885Q		
38	P56/ALE	P56	I		OPEN1	OPEN(anytime)	Flash (w:pull up)	OPEN (anytime)
39	P55/HOLD~	P55	I		P_UP2	10K PULL UP(NON CONECT)	Flash (w:GND)	
40	P54/HLDA~	P54	-		OPEN2	OPEN		
41	P53/BCLK	P53	-		OPEN3	OPEN		
42	P52/RD~	RD~	O		MRD	READ STROBE for XD1885Q		
43	P51/WRH~/BHE~	P51	-		OPEN4	OPEN		
44	P50/WRL~/WR~	WR~	O		MWR	WRITE STROBE for XD1885Q	Flash(w:pull up)	
45	P47/CS3~	CS3~	O	H	MCS	CHIP SELECT for CXD1885Q		
46	P46/CS2~	CS2~	O	H	MCS2	CHIP SELECT for 1M-SRAM		
47	P45/CS1~	P45	O	H	OPN_DRV	TRAY OPEN DRIVE CONTROL		
48	P44/CS0~	P44	O	H	CLS_DRV	TRAY CLOSE DRIVE CONTROL		
49	P43/A19	P43	O		OPEN4	OPEN		
50	P42/A18	P42	O		OPEN5	OPEN		
51	P41/A17	P41	O		OPEN5	OPEN		
52	P40/A16	A16	O		A16	ADDRRES LINE		
53	P37/A15	A15	O		A15	ADDRRES LINE		
54	P36/A14	A14	O		A14	ADDRRES LINE		
55	P35/A13	A13	O		A13	ADDRRES LINE		
56	P34/A12	A12	O		A12	ADDRRES LINE		
57	P33/A11	A11	O		A11	ADDRRES LINE		
58	P32/A10	A10	O		A10	ADDRRES LINE		
59	P31/A9	A9	O		A9	ADDRRES LINE		
60	VCC	VCC	-		---	3.3V		
61	P30/A8(/?/D7)	A8	O		A8	ADDRRES LINE		
62	VSS	VSS	-		---	GND		
63	P27/A7(/D7/D6)	A7	O		A7	ADDRRES LINE		
64	P26/A6(/D6/D5)	A6	O		A6	ADDRRES LINE		
65	P25/A5(/D5/D4)	A5	O		A5	ADDRRES LINE		
66	P24/A4(/D4/D3)	A4	O		A4	ADDRRES LINE		
67	P23/A3(/D3/D2)	A3	O		A3	ADDRRES LINE		
68	P22/A2(/D2/D1)	A2	O		A2	ADDRRES LINE		
69	P21/A1(/D1/D0)	A1	O		A1	ADDRRES LINE		

IC731: M3062LFGPGP

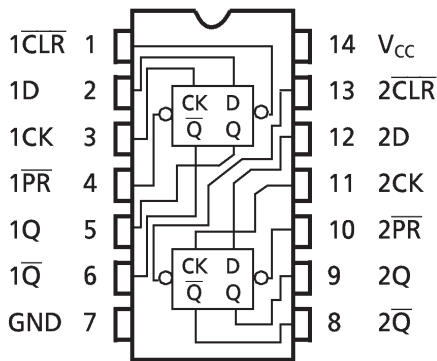
No.	Pin Port	Function	I/O	Initial	Mode	Action	Note	Description (USER1:H/USER2:H)
70	P20/A0(/D0/?)	A0	O		A0	ADDRRES LINE		
71	P17/D15/INT5~	P17	O	H	ICLK	IIC CLK FOR EE_ROM(AT24C04N)		
72	P16/D14/INT4~	P16	I/O	H	IDAT	IIC DATA FOR EE_ROM(AT24C04N)		
73	P15/D13/INT3~	P15	I		OPN_SW	TRAY OPEN DETECT SW		
74	P14/D12	P14	I		CLS_SW	TRAY CLOSE DETECT SW		
75	P13/D11	P13	O	H	PCMRST	DE:RESET for DXP7001 or Ma:DISPLAY LED(L:ON)	Flash(w:pull up)	RESET for DXP7001(reset=L)
76	P12/D10	P12	I		FILT1	SACD: DAC SYSTEM CLK SWITCHING CONTOROL IN	(Low:384fs/ Hi:192fs)	for FILTER-SW
77	P11/D9	P11	O	H	MUT2	MUTING for MULTI CHANNEL(H:MUTE)	RELAY/TR	
78	P10/D8	P10	O	H	MUT1	MUTING for STEREO CHANNEL(H:MUTE)	RELAY/TR	
79	P07/D7	D7	I/O		D7	8bit DATA LINE		
80	P06/D6	D6	I/O		D6	8bit DATA LINE		
81	P05/D5	D5	I/O		D5	8bit DATA LINE		
82	P04/D4	D4	I/O		D4	8bit DATA LINE		
83	P03/D3	D3	I/O		D3	8bit DATA LINE		
84	P02/D2	D2	I/O		D2	8bit DATA LINE		
85	P01/D1	D1	I/O		D1	8bit DATA LINE		
86	P00/D0	D0	I/O		D0	8bit DATA LINE		
87	P107/AN7/KI3~	P107	O	H	MODE	CD/SACD SWITCHING SIGNAL(L:CD,SACD:H)		Switching of digital audio data for SACD and CD(L=CD, H=SACD) Data transwission hold to recognition of the next DISC
88	P106/AN6/KI2~	P106	O	L	FCS	DISPLAY CHIP SERECT for FL DRIVER		ML9207-01GP chip select
89	P105/AN5/KI1~	P105	O	H	DSRST2	DSP RESET2 for SURROUND CHANNEL or ATT		Mute signal fo Search
90	P104/AN4/KI0~	P104	O	H	DSRST1	DSP RESET1 for FRONT CHANNEL		RESET for DAC (reset=L)
91	P103/AN3	P103	O	L	FRRST	DISPLAY DRIVER RESET		ML9207-01GP reset
92	P102/AN2	AN2	I		KEY2	KEYS SENS		
93	P101/AN1	AN1	I		KEY1	KEYS SENS		
94	AVSS	AVSS	-		GND	AD GND		
95	P100/AN0	AN0	I		KEY0	KEYS SENS		
96	VRef	Vref	I		3.3V	AD reference		
97	AVcc	AVcc	-		3.3V	AD Vcc		
98	P97/ADTRG~/SIN4	P97	I		USER2	MODEL SELECT 2		H
99	P96/ANEX1/SOUT4	SOUT4	O	L	FDAT	DISPLAY DATA for FL DRIVER		ML9207-01GP control data
100	P95/ANEX0/CLK4	CLK4	O	L	FCLK	DISPLAY CLOCK for FL DRIVER		ML9207-01GP control clock

IC733: S-80843C

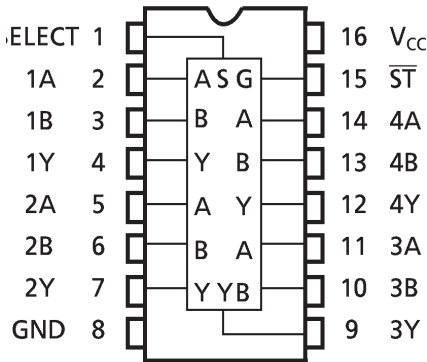


1	OUT
2	VDD
3	N.C.
4	VSS

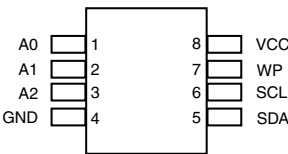
IC734: TC74VHC74FT



IC736: TC74VHC157FT



IC737: AT24C04

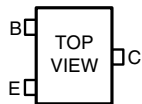


Pin Configurations

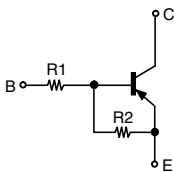
Pin Name	Function
A0 - A2	Address Inputs
SDA	Sedrial Data
SCL	Sedrial Clock Input
WP	Write Protect
NC	No Connect

TRASISTORS

DTA114EK — PNP
DTC114EK — NPN

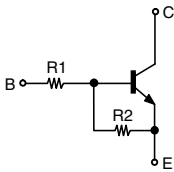


DTA Series



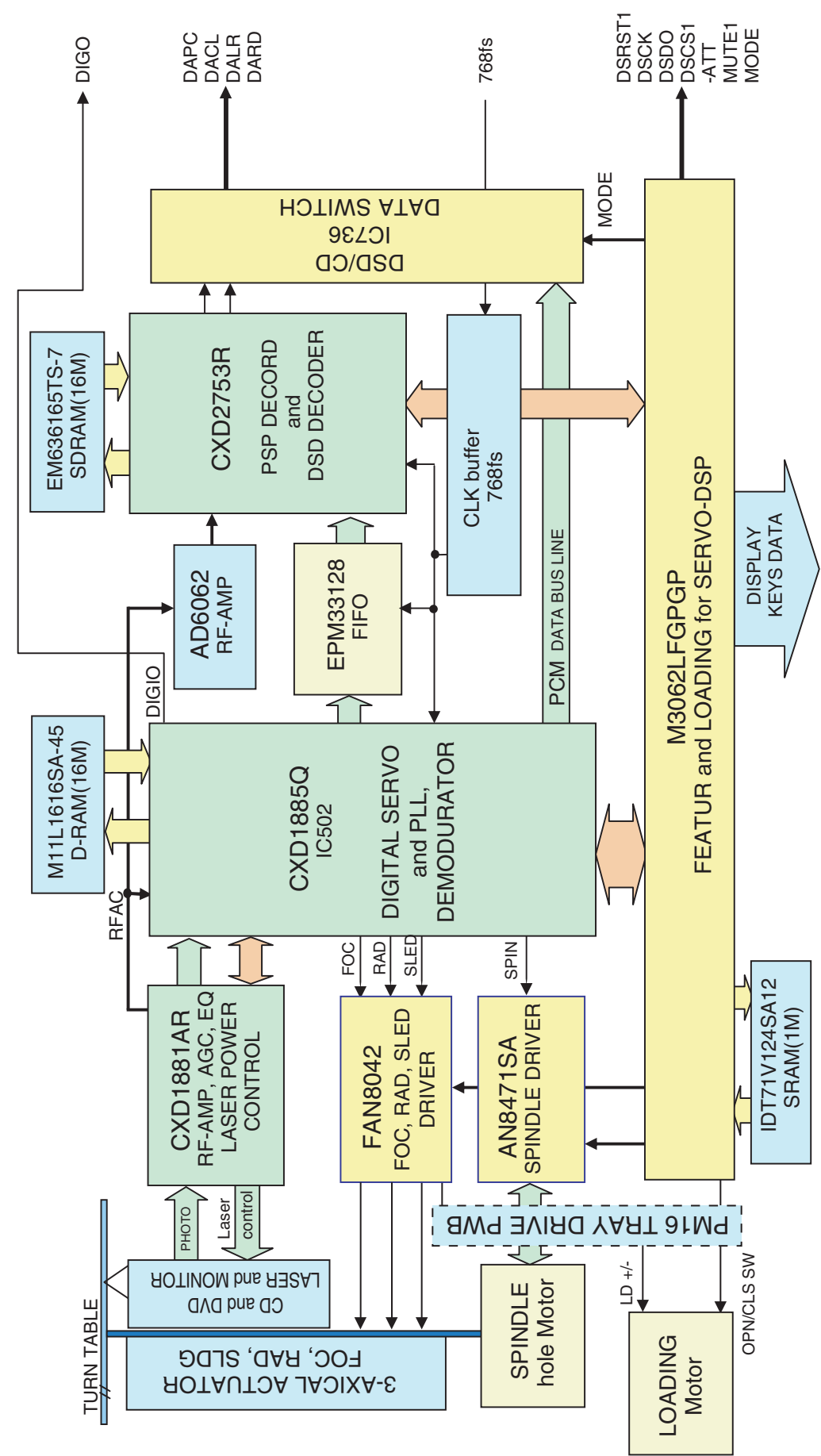
	R1	R2
DTA114EK	10kohm	10kohm

DTC Series



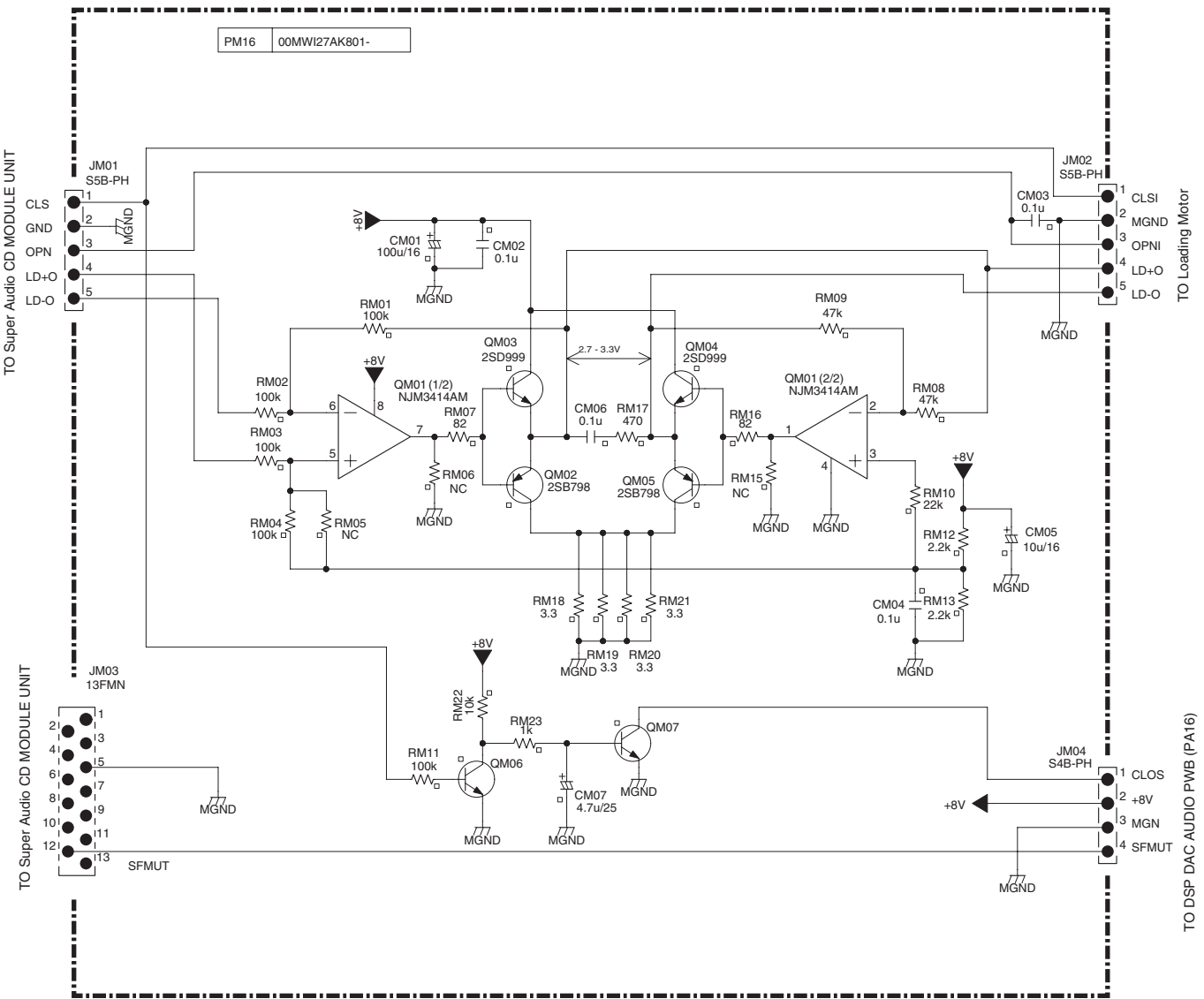
	R1	R2
DTC114EK	10kohm	10kohm

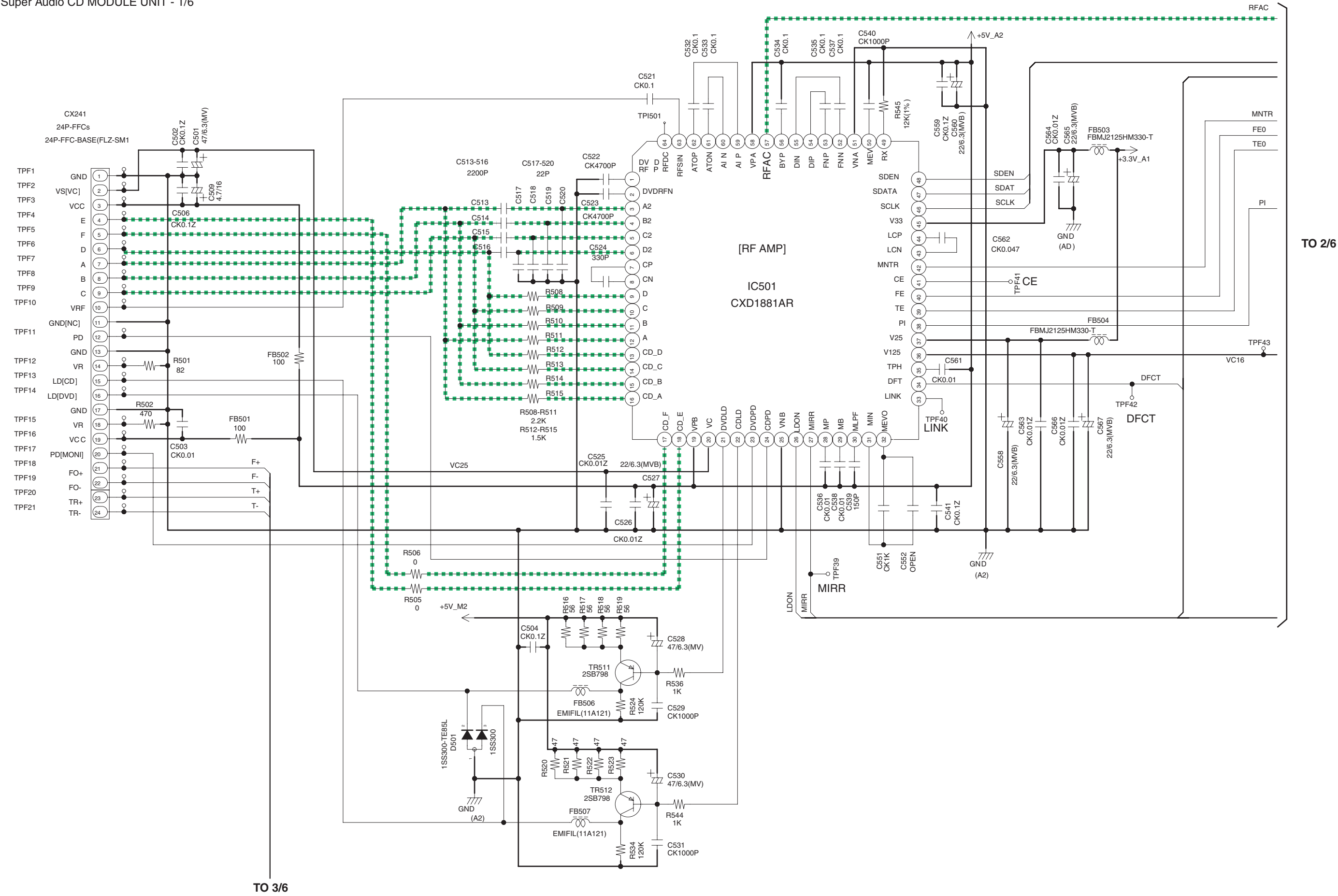
2. BLOCK DIAGRAM



3. SCHEMATIC DIAGRAM

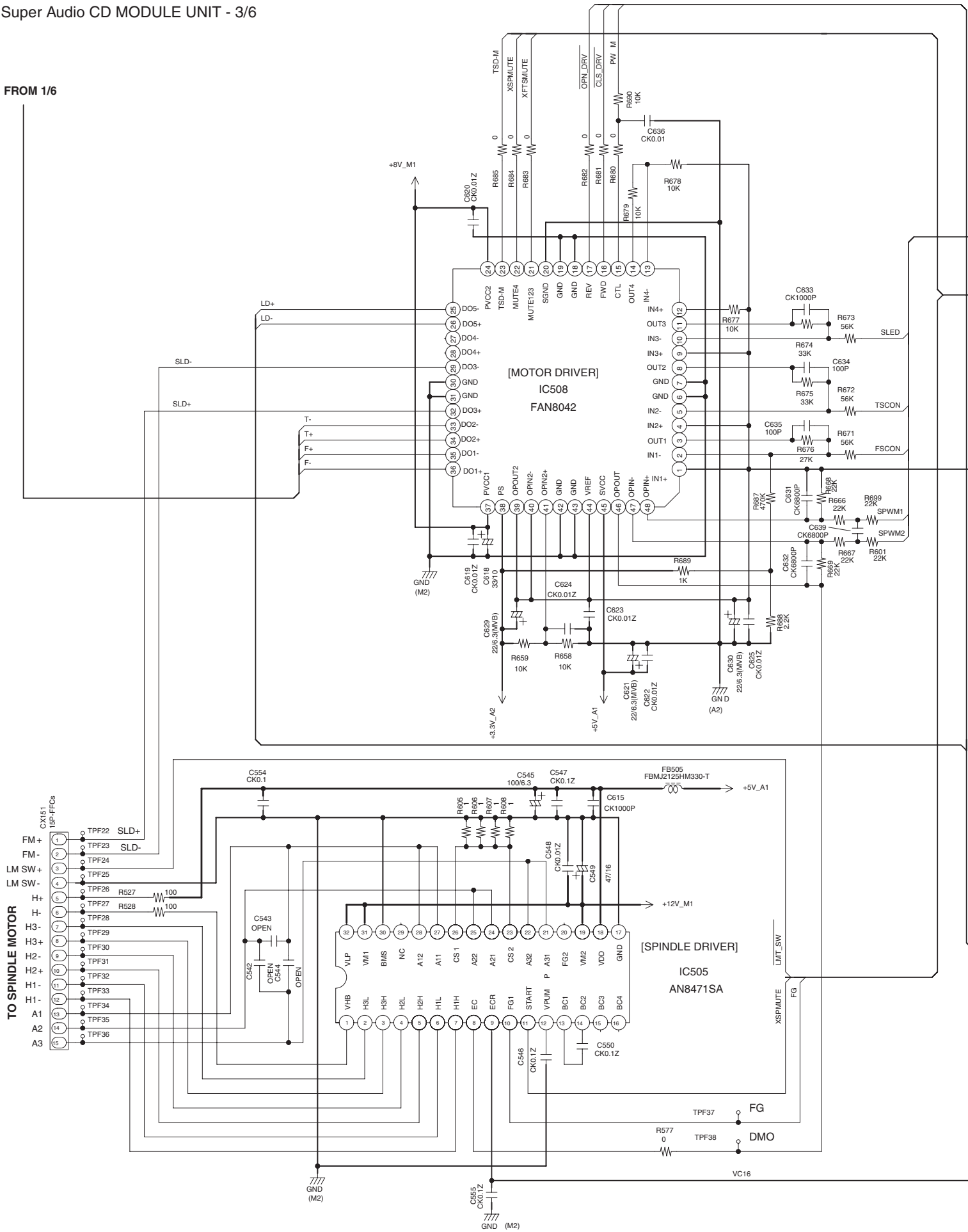
TRAY DRIVE PWB



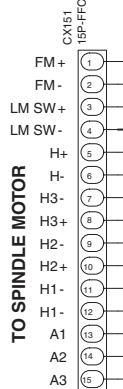


[illegible]

FROM 1/6



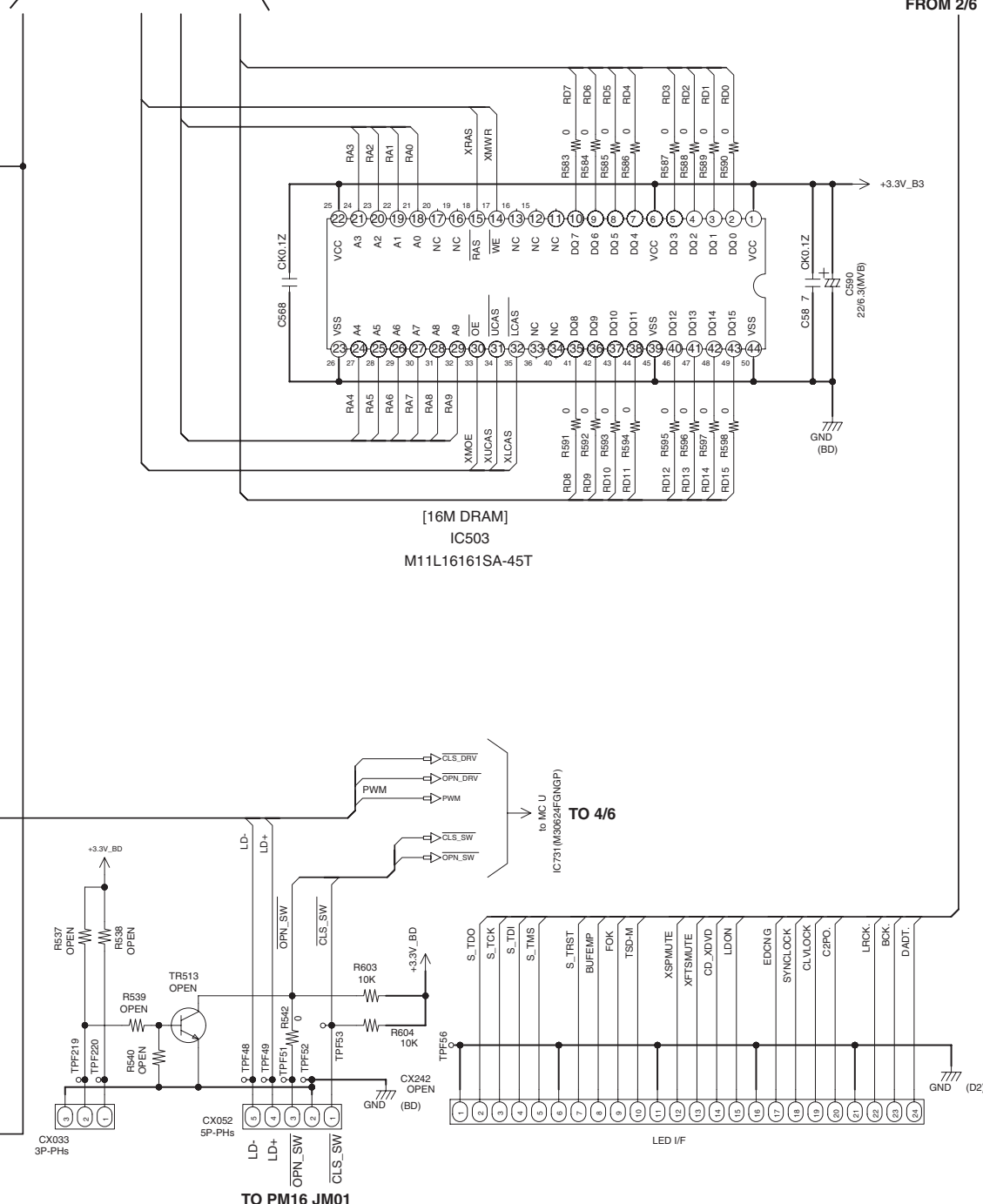
TO SPINDLE MOTOR



FROM 2/6

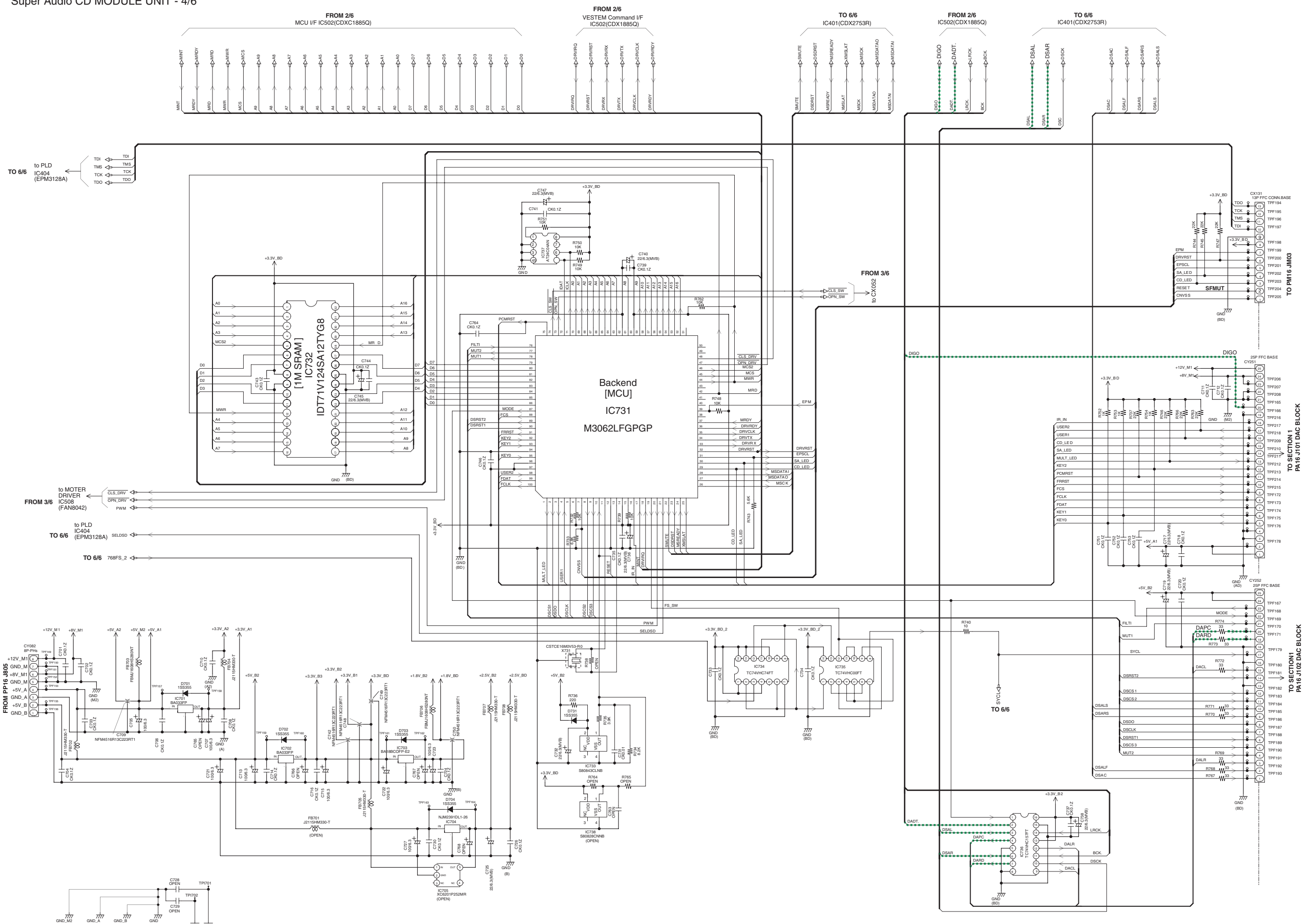
FROM 2/6

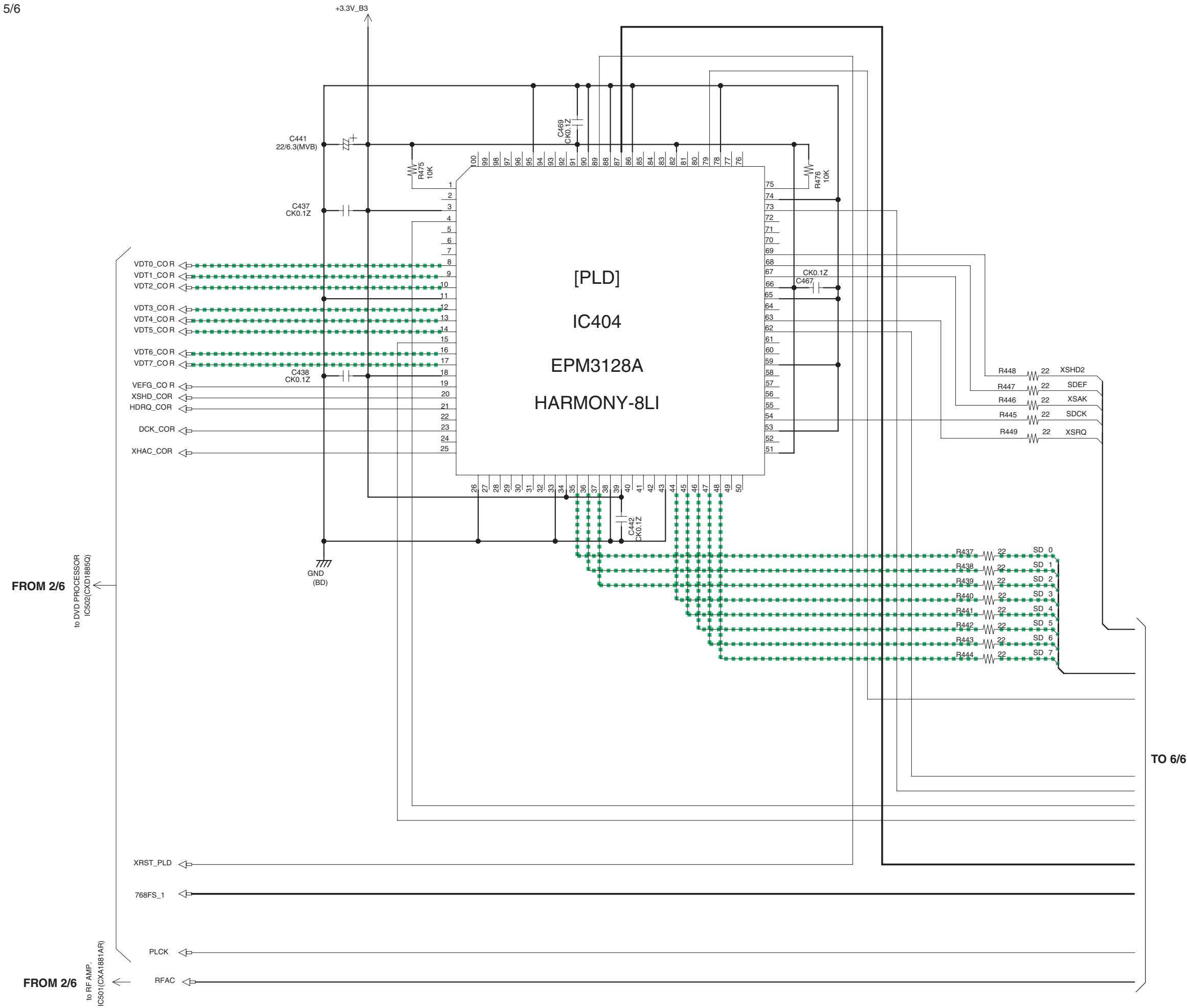
FROM 2/6

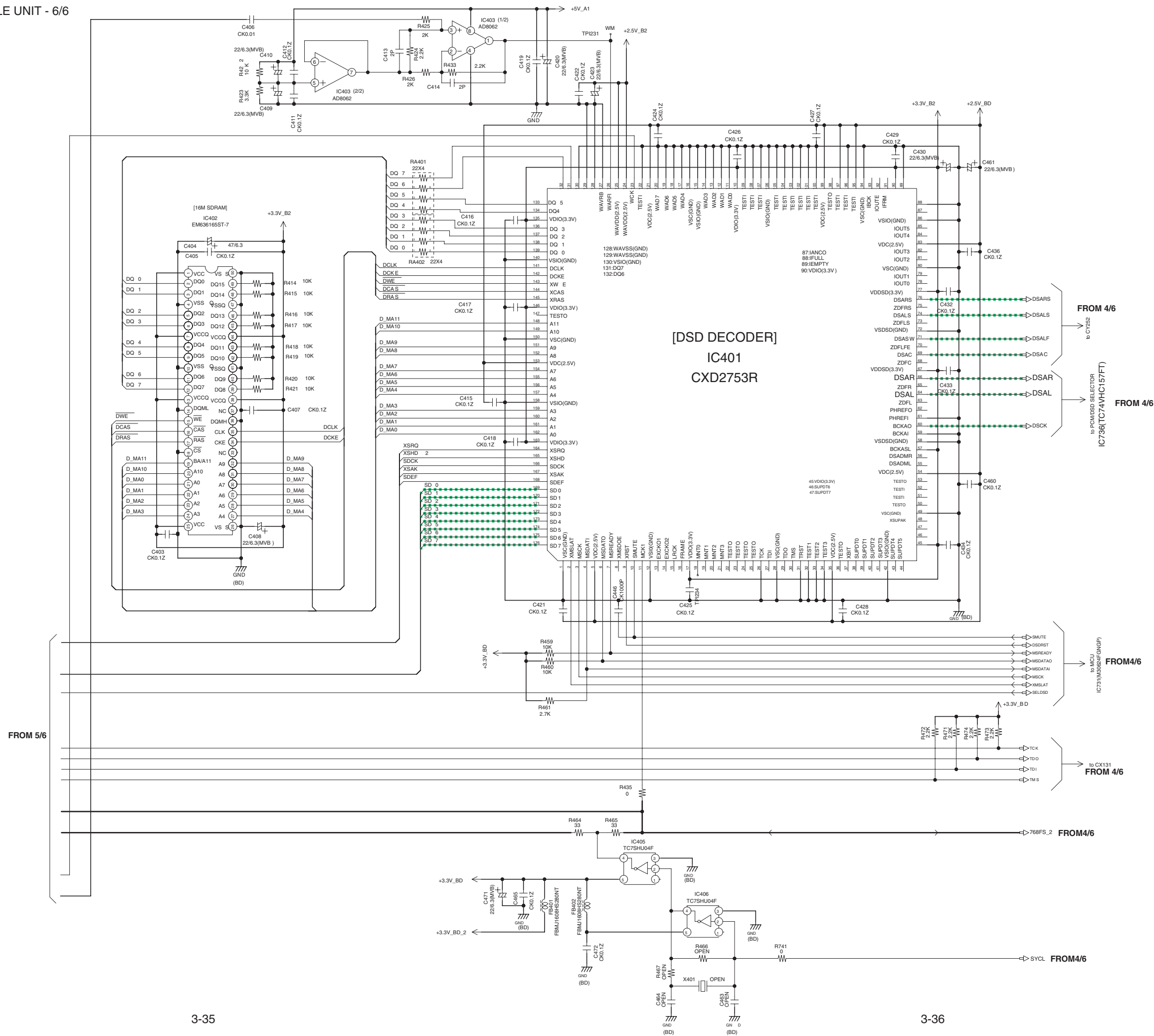


TO PM16 JM01

Super Audio CD MODULE UNIT - 4/6







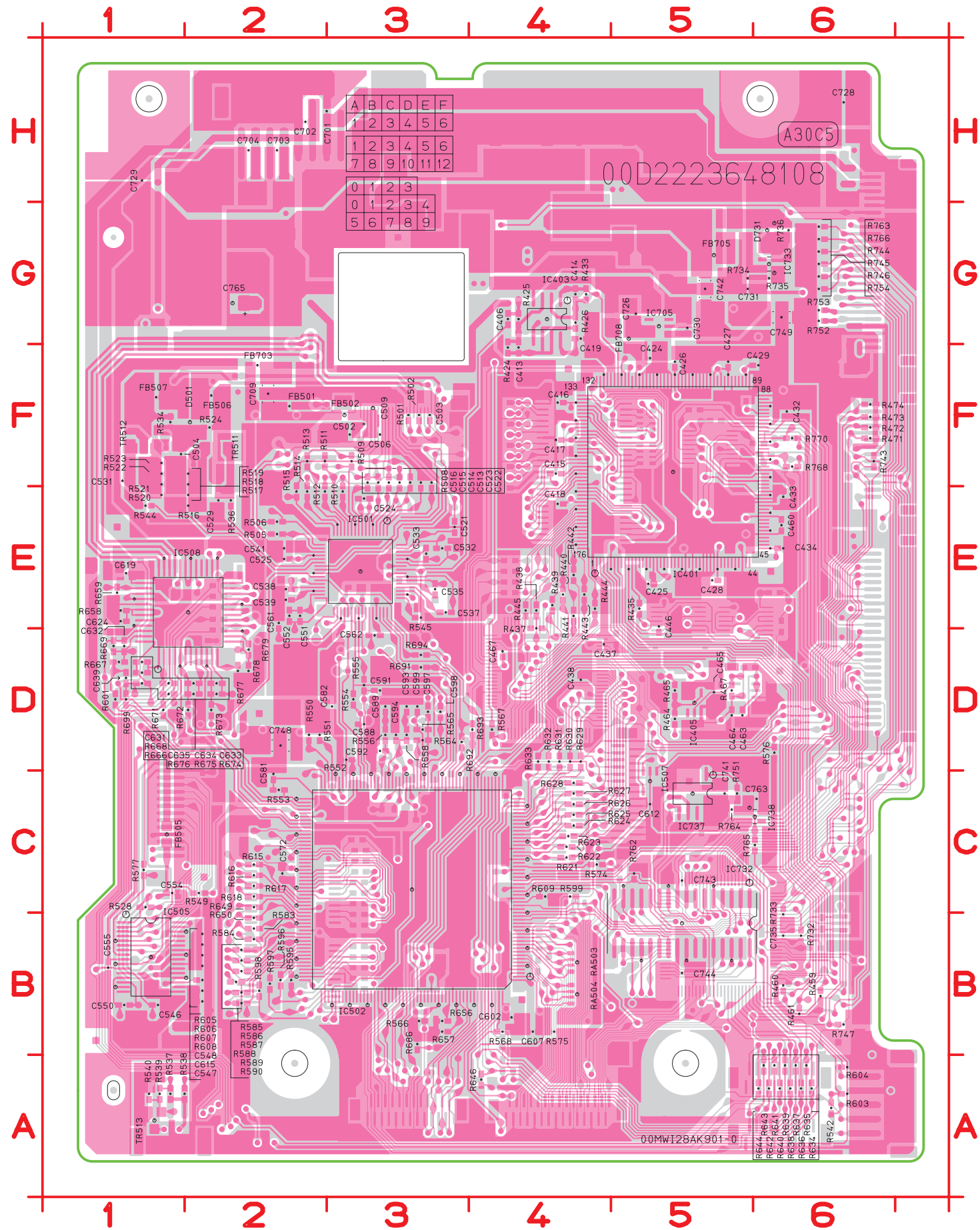
4. PARTS LOCATION

Super Audio CD MODULE UNIT

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

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

C406	G4	C624	E1	R505	E2	R624	C4
C413	F4	C631	D1	R506	E2	R625	C4
C414	G4	C632	D1	R508	F3	R626	C4
C415	F4	C633	D2	R509	F3	R627	C4
C416	F4	C634	D2	R510	E3	R628	C4
C417	F4	C635	D1	R511	F2	R629	D4
C418	E4	C639	D1	R512	E2	R630	D4
C419	G4	C701	H3	R513	F2	R631	D4
C424	F5	C702	H2	R514	E2	R632	D4
C425	E5	C703	H2	R515	E2	R633	D4
C426	F5	C704	H2	R516	E2	R634	A6
C427	F5	C709	F2	R517	E2	R635	A6
C428	E5	C726	G5	R518	F2	R636	A6
C429	F6	C728	H6	R519	F2	R637	A6
C432	F6	C729	H1	R520	E1	R638	A6
C433	E6	C730	G5	R521	F1	R639	A6
C434	E6	C731	G5	R522	F1	R640	A6
C437	D4	C735	B6	R523	F1	R641	A6
C438	D4	C741	C5	R524	F2	R642	A6
C446	E5	C742	G5	R528	C1	R643	A6
C460	E6	C743	C5	R534	F1	R644	A6
C463	D5	C744	B5	R536	E2	R646	A4
C464	D5	C748	D2	R537	A1	R649	C2
C465	D5	C749	G6	R538	A2	R650	B2
C467	D4	C763	C6	R539	A1	R656	B3
C502	F3	C765	G2	R540	A1	R657	B3
C503	F3	D501	F2	R542	A6	R658	E1
C504	F1	D731	G6	R544	E1	R659	E1
C506	F3	FB501	F2	R545	E3	R666	D1
C509	F3	FB502	F3	R549	C2	R667	D1
C513	F3	FB505	C1	R550	D2	R668	D1
C514	F3	FB506	F2	R551	D2	R669	D1
C515	F3	FB507	F1	R552	D3	R671	D1
C516	F3	FB703	F2	R553	C2	R672	D2
C521	E3	FB705	G5	R554	D3	R673	D2
C522	F3	FB708	G5	R555	D3	R674	D2
C523	F3	IC401	F5	R556	D3	R675	D2
C524	E3	IC403	G4	R558	D3	R676	D1
C525	E2	IC405	D5	R564	D3	R677	D2
C529	E2	IC501	E3	R565	D3	R678	D2
C531	F1	IC502	C3	R566	B3	R679	D2
C532	E3	IC505	B1	R567	D4	R686	B3
C533	E3	IC507	C5	R568	B4	R691	D3
C535	E3	IC508	E2	R574	C4	R692	D3
C537	E3	IC705	G5	R575	B4	R693	D4
C538	E2	IC732	B5	R576	D6	R694	D3
C539	E2	IC733	G6	R577	C1	R699	D1
C541	E2	IC737	C5	R583	B2	R732	B6
C546	B1	IC738	C6	R584	B2	R733	B6
C547	B2	R424	F4	R585	B2	R734	G5
C548	B2	R425	G4	R586	B2	R735	G6
C550	B1	R426	G4	R587	B2	R736	G6
C551	E2	R433	G4	R588	B2	R743	F6
C552	E2	R435	E5	R589	B2	R744	G6
C554	C1	R437	E4	R590	B2	R745	G6
C555	B1	R438	E4	R595	B2	R746	G6
C561	E2	R439	E4	R596	B2	R747	B6
C562	D3	R440	E4	R597	B2	R751	C5
C572	C2	R441	E4	R598	B2	R752	G6
C581	C2	R442	E4	R599	C4	R753	G6
C582	D3	R443	E4	R601	D1	R754	G6
C588	D3	R444	E4	R603	A6	R762	C5
C589	D3	R445	E4	R604	A6	R763	G6
C591	D3	R459	B6	R605	B2	R764	C5
C592	D3	R460	B6	R606	B2	R765	C6
C593	D3	R461	B6	R607	B2	R766	G6
C594	D3	R464	D5	R608	B2	R768	F6
C597	D3	R465	D5	R609	C4	R770	F6
C598	D3	R467	D5	R615	C2	RA503	B4
C599	D3	R471	F6	R616	C2	RA504	B4
C602	B4	R472	F6	R617	C2	TR511	F2
C607	B4	R473	F6	R618	C2	TR512	F1
C612	C5	R474	F6	R621	C4	TR513	A1
C615	B2	R501	F3	R622	C4		
C619	E1	R502	F3	R623	C4		





A vertical red line with horizontal tick marks. The labels A, B, C, D, E, F, G, and H are placed to the right of the line, aligned with their respective tick marks from bottom to top.

3-40

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

P.W.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
1U-3648B	C-529		nsp	00D2570509929	CHIP CAP.	CK73B1H102KT +1608
1U-3648B	C-530		nsp	00D2544464964	ELECT CAP.	CE67C0J470MT(MV) +REF
1U-3648B	C-531		nsp	00D2570509929	CHIP CAP.	CK73B1H102KT +1608
1U-3648B	C-532		nsp	00D2570516954	CHIP CAP.	CK73B1E104KT +1608
1U-3648B	C-533		nsp	00D2570516954	CHIP CAP.	CK73B1E104KT +1608
1U-3648B	C-534		nsp	00D2570516954	CHIP CAP.	CK73B1E104KT +1608
1U-3648B	C-535		nsp	00D2570516954	CHIP CAP.	CK73B1E104KT +1608
1U-3648B	C-536		nsp	00D2570501901	CHIP CAP.	CK73B1H103KT (1608) +1608
1U-3648B	C-537		nsp	00D2570516954	CHIP CAP.	CK73B1E104KT +1608
1U-3648B	C-538		nsp	00D2570501901	CHIP CAP.	CK73B1H103KT (1608) +1608
1U-3648B	C-539		nsp	00D2570506993	CHIP CAP.	CC73CH1H151JT +1608
1U-3648B	C-540		nsp	00D2570509929	CHIP CAP.	CK73B1H102KT +1608
1U-3648B	C-541		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-545		nsp	00D2544464906	ELECT CAP.	CE67C0J101MT +REF
1U-3648B	C-546		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-547		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-548		nsp	00D2570511904	CHIP CAP.	CK73F1H103ZT +1608
1U-3648B	C-549		nsp	00D2544465918	ELECT CAP.	CE67C1C470MT +REF
1U-3648B	C-550		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-551		nsp	00D2570521907	CHIP CAP.	CK73B1A105KT +1608
1U-3648B	C-554		nsp	00D2570516954	CHIP CAP.	CK73B1E104KT +1608
1U-3648B	C-555		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-558		nsp	00D2544464951	ELECT CAP.	CE67C0J220MT(MV-B) +REF
1U-3648B	C-559		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-560		nsp	00D2544464951	ELECT CAP.	CE67C0J220MT(MV-B) +REF
1U-3648B	C-561		nsp	00D2570501901	CHIP CAP.	CK73B1H103KT (1608) +1608
1U-3648B	C-562		nsp	00D2570516941	CHIP CAP.	CK73B1E473KT +1608
1U-3648B	C-563		nsp	00D2570511904	CHIP CAP.	CK73F1H103ZT +1608
1U-3648B	C-564		nsp	00D2570511904	CHIP CAP.	CK73F1H103ZT +1608
1U-3648B	C-565		nsp	00D2544464951	ELECT CAP.	CE67C0J220MT(MV-B) +REF
1U-3648B	C-566		nsp	00D2570511904	CHIP CAP.	CK73F1H103ZT +1608
1U-3648B	C-567		nsp	00D2544464951	ELECT CAP.	CE67C0J220MT(MV-B) +REF
1U-3648B	C-568		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-569		nsp	00D2544645903	ELECT CAP.	CE67C0J221MT(MVA) +REF
1U-3648B	C-570		nsp	00D2544645903	ELECT CAP.	CE67C0J221MT(MVA) +REF
1U-3648B	C-571		nsp	00D2544464951	ELECT CAP.	CE67C0J220MT(MV-B) +REF
1U-3648B	C-572		nsp	00D2570511904	CHIP CAP.	CK73F1H103ZT +1608
1U-3648B	C-573		nsp	00D2570511904	CHIP CAP.	CK73F1H103ZT +1608
1U-3648B	C-575		nsp	00D2570511904	CHIP CAP.	CK73F1H103ZT +1608
1U-3648B	C-576		nsp	00D2570511904	CHIP CAP.	CK73F1H103ZT +1608
1U-3648B	C-578		nsp	00D2570511904	CHIP CAP.	CK73F1H103ZT +1608
1U-3648B	C-580		nsp	00D2570511904	CHIP CAP.	CK73F1H103ZT +1608
1U-3648B	C-581		nsp	00D2570516941	CHIP CAP.	CK73B1E473KT +1608
1U-3648B	C-582		nsp	00D2570511904	CHIP CAP.	CK73F1H103ZT +1608
1U-3648B	C-583		nsp	00D2570511904	CHIP CAP.	CK73F1H103ZT +1608
1U-3648B	C-587		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-588		nsp	00D2570507976	CHIP CAP.	CC73CH1H331JT +1608
1U-3648B	C-589		nsp	00D2570520908	CHIP CAP.	CK73B1A154KT +1608
1U-3648B	C-590		nsp	00D2544464951	ELECT CAP.	CE67C0J220MT(MV-B) +REF
1U-3648B	C-591		nsp	00D2570507976	CHIP CAP.	CC73CH1H331JT +1608
1U-3648B	C-592		nsp	00D2570508917	CHIP CAP.	CC73CH1H471JT +1608
1U-3648B	C-593		nsp	00D2570520908	CHIP CAP.	CK73B1A154KT +1608
1U-3648B	C-594		nsp	00D2570508917	CHIP CAP.	CC73CH1H471JT +1608
1U-3648B	C-595		nsp	00D2570516954	CHIP CAP.	CK73B1E104KT +1608
1U-3648B	C-596		nsp	00D2570511904	CHIP CAP.	CK73F1H103ZT +1608
1U-3648B	C-597		nsp	00D2570506951	CHIP CAP.	CC73CH1H101JT +1608
1U-3648B	C-598		nsp	00D2570516909	CHIP CAP.	CK73B1E223KT +1608
1U-3648B	C-599		nsp	00D2570516909	CHIP CAP.	CK73B1E223KT +1608
1U-3648B	C-600		nsp	00D2570511904	CHIP CAP.	CK73F1H103ZT +1608
1U-3648B	C-601		nsp	00D2570511904	CHIP CAP.	CK73F1H103ZT +1608
1U-3648B	C-602		nsp	00D2570511904	CHIP CAP.	CK73F1H103ZT +1608
1U-3648B	C-604		nsp	00D2570511904	CHIP CAP.	CK73F1H103ZT +1608
1U-3648B	C-605		nsp	00D2570511904	CHIP CAP.	CK73F1H103ZT +1608
1U-3648B	C-606		nsp	00D2570511904	CHIP CAP.	CK73F1H103ZT +1608
1U-3648B	C-607		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-608		nsp	00D2544464951	ELECT CAP.	CE67C0J220MT(MV-B) +REF
1U-3648B	C-609		nsp	00D2544464951	ELECT CAP.	CE67C0J220MT(MV-B) +REF

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

P.W.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
1U-3648B	C-612		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-615		nsp	00D2570509929	CHIP CAP.	CK73B1H102KT +1608
1U-3648B	C-616		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-618		nsp	00D2544575905	ELECT CAP.	CE67C1A330MT +REF
1U-3648B	C-619		nsp	00D2570511904	CHIP CAP.	CK73F1H103ZT +1608
1U-3648B	C-620		nsp	00D2570511904	CHIP CAP.	CK73F1H103ZT +1608
1U-3648B	C-621		nsp	00D2544464951	ELECT CAP.	CE67C0J220MT(MV-B) +REF
1U-3648B	C-622		nsp	00D2570511904	CHIP CAP.	CK73F1H103ZT +1608
1U-3648B	C-623		nsp	00D2570511904	CHIP CAP.	CK73F1H103ZT +1608
1U-3648B	C-624		nsp	00D2570511904	CHIP CAP.	CK73F1H103ZT +1608
1U-3648B	C-625		nsp	00D2570511904	CHIP CAP.	CK73F1H103ZT +1608
1U-3648B	C-629		nsp	00D2544464951	ELECT CAP.	CE67C0J220MT(MV-B) +REF
1U-3648B	C-630		nsp	00D2544464951	ELECT CAP.	CE67C0J220MT(MV-B) +REF
1U-3648B	C-631		nsp	00D2570510950	CHIP CAP.	CK73B1H682KT +1608
1U-3648B	C-632		nsp	00D2570510950	CHIP CAP.	CK73B1H682KT +1608
1U-3648B	C-633		nsp	00D2570509929	CHIP CAP.	CK73B1H102KT +1608
1U-3648B	C-634		nsp	00D2570506951	CHIP CAP.	CC73CH1H101JT +1608
1U-3648B	C-635		nsp	00D2570506951	CHIP CAP.	CC73CH1H101JT +1608
1U-3648B	C-636		nsp	00D2570501901	CHIP CAP.	CK73B1H103KT (1608) +1608
1U-3648B	C-637		nsp	00D2570511904	CHIP CAP.	CK73F1H103ZT +1608
1U-3648B	C-639		nsp	00D2570510950	CHIP CAP.	CK73B1H682KT +1608
1U-3648B	C-701		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-702		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-703		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-704		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-705		nsp	00D2544464906	ELECT CAP.	CE67C0J101MT +REF
1U-3648B	C-706		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-707		nsp	00D2544464906	ELECT CAP.	CE67C0J101MT +REF
1U-3648B	C-708		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-709		00D2590015901	00D2590015901	EMI FILTER	NFM41CC223R2A3L +C
1U-3648B	C-710		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-711		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-712		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-713		nsp	00D2544464906	ELECT CAP.	CE67C0J101MT +REF
1U-3648B	C-714		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-715		nsp	00D2544464906	ELECT CAP.	CE67C0J101MT +REF
1U-3648B	C-716		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-717		nsp	00D2544464951	ELECT CAP.	CE67C0J220MT(MV-B) +REF
1U-3648B	C-718		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-719		nsp	00D2544464951	ELECT CAP.	CE67C0J220MT(MV-B) +REF
1U-3648B	C-720		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-721		nsp	00D2544464906	ELECT CAP.	CE67C0J101MT +REF
1U-3648B	C-722		nsp	00D2544464906	ELECT CAP.	CE67C0J101MT +REF
1U-3648B	C-723		nsp	00D2544464906	ELECT CAP.	CE67C0J101MT +REF
1U-3648B	C-724		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-725		nsp	00D2544464951	ELECT CAP.	CE67C0J220MT(MV-B) +REF
1U-3648B	C-726		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-727		nsp	00D2544464906	ELECT CAP.	CE67C0J101MT +REF
1U-3648B	C-730		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-731		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-732		nsp	00D2544464951	ELECT CAP.	CE67C0J220MT(MV-B) +REF
1U-3648B	C-733		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-734		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-735		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-736		nsp	00D2544464951	ELECT CAP.	CE67C0J220MT(MV-B) +REF
1U-3648B	C-737		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-738		nsp	00D2544464951	ELECT CAP.	CE67C0J220MT(MV-B) +REF
1U-3648B	C-739		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-740		nsp	00D2544464951	ELECT CAP.	CE67C0J220MT(MV-B) +REF
1U-3648B	C-741		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-742		00D2590015901	00D2590015901	EMI FILTER	NFM41CC223R2A3L +C
1U-3648B	C-743		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-744		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-745		nsp	00D2544464951	ELECT CAP.	CE67C0J220MT(MV-B) +REF
1U-3648B	C-746		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-747		nsp	00D2544464951	ELECT CAP.	CE67C0J220MT(MV-B) +REF
1U-3648B	C-748		00D2590015901	00D2590015901	EMI FILTER	NFM41CC223R2A3L +C

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

P.W.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
1U-3648B	C-749		00D2590015901	00D2590015901	EMI FILTER	NFM41CC223R2A3L +C
1U-3648B	C-750		00D2590015901	00D2590015901	EMI FILTER	NFM41CC223R2A3L +C
1U-3648B	C-751		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-752		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-753		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	C-764		nsp	00D2570512903	CHIP CAP.	CK73F1E104ZT +1608
1U-3648B	CX052		nsp	nsp	CONN.	5P PH CON.BASE(L) +REF
1U-3648B	CX131		nsp	nsp	CONN.	13P FFC BASE(FMNSMT) +REF
1U-3648B	CX151		nsp	nsp	CONN.	15P FFC BASE(P=1.0)L +REF
1U-3648B	CX241		nsp	nsp	CONN.	24P FFC BASE(FMZ-SM1 +REF
1U-3648B	CY082		nsp	nsp	CONN.	8P PH CON.BASE(L) +REF
1U-3648B	CY251		nsp	nsp	CONN.	25P FFC BASE(FMNSMT) +REF
1U-3648B	CY252		nsp	nsp	CONN.	25P FFC BASE(FMNSMT) +REF
1U-3648B	D-501		00D2760778900	00D2760778900	DIODE	1SS300-TE85L +C
1U-3648B	D-701		00D2760717903	00D2760717903	DIODE	1SS355 TE-17 +C
1U-3648B	D-702		00D2760717903	00D2760717903	DIODE	1SS355 TE-17 +C
1U-3648B	D-703		00D2760717903	00D2760717903	DIODE	1SS355 TE-17 +C
1U-3648B	D-704		00D2760717903	00D2760717903	DIODE	1SS355 TE-17 +C
1U-3648B	D-731		00D2760717903	00D2760717903	DIODE	1SS355 TE-17 +C
1U-3648B	FB401		00D2350136907	00D2350136907	INDUCTOR	FBMJ1608HS280NT +1608
1U-3648B	FB402		00D2350136907	00D2350136907	INDUCTOR	FBMJ1608HS280NT +1608
1U-3648B	FB501		nsp	00D2472005903	CHIP RES.	RM73B--101JT +1608
1U-3648B	FB502		nsp	00D2472005903	CHIP RES.	RM73B--101JT +1608
1U-3648B	FB503		00D2350160902	00D2350160902	INDUCTOR	FB M J2125HM330-T +C
1U-3648B	FB504		00D2350160902	00D2350160902	INDUCTOR	FB M J2125HM330-T +C
1U-3648B	FB505		00D2350160902	00D2350160902	INDUCTOR	FB M J2125HM330-T +C
1U-3648B	FB506		00D2350130903	00D2350130903	INDUCTOR	CHIP EMIFIL(11A121) +1608
1U-3648B	FB507		00D2350130903	00D2350130903	INDUCTOR	CHIP EMIFIL(11A121) +1608
1U-3648B	FB703		00D2350136907	00D2350136907	INDUCTOR	FBMJ1608HS280NT +1608
1U-3648B	FB704		00D2350160902	00D2350160902	INDUCTOR	FB M J2125HM330-T +C
1U-3648B	FB705		00D2350160902	00D2350160902	INDUCTOR	FB M J2125HM330-T +C
1U-3648B	FB706		00D2350136907	00D2350136907	INDUCTOR	FBMJ1608HS280NT +1608
1U-3648B	FB707		00D2350160902	00D2350160902	INDUCTOR	FB M J2125HM330-T +C
1U-3648B	FB708		00D2350160902	00D2350160902	INDUCTOR	FB M J2125HM330-T +C
1U-3648B	IC401		00D2623217003	00D2623217003	IC	CXD2753R +C
1U-3648B	IC402		00D2622875006	00D2622875006	IC	16M SDRAM(TSOP)-7/8 +C
1U-3648B	IC403		00D2623195905	00D2623195905	IC	AD8062-SO8 +C
1U-3648B	IC404		00D2623282009	00D2623282009	IC	EPM3128ATC100-10N(HARMONY-8LI)
1U-3648B	IC405		00D2623203907	00D2623203907	IC	TC7SHU04F-TE85L +REF
1U-3648B	IC406		00D2623203907	00D2623203907	IC	TC7SHU04F-TE85L +REF
1U-3648B	IC501		00D2623219001	00D2623219001	IC	CXD1881AR/BR +C
1U-3648B	IC502		00D2623218002	00D2623218002	IC	CXD1885Q +C
1U-3648B	IC503		00D2623409002	00D2623409002	IC	MSM51V18165F-50TSK-7
1U-3648B	IC505		00D2631109909	00D2631109909	IC	AN8471SA +C
1U-3648B	IC507		00D2621782909	00D2621782909	IC	TC7S08FTE85L +C
1U-3648B	IC508		00D2623221002	00D2623221002	IC	FAN8042 +C
1U-3648B	IC701		00D2631079903	00D2631079903	IC	BA033FP +C
1U-3648B	IC702		00D2631079903	00D2631079903	IC	BA033FP +C
1U-3648B	IC703		00D2622977904	00D2622977904	IC	BA18BC0FP-E2 +C
1U-3648B	IC704		00D2631182900	00D2631182900	IC	NJM2391DL1-26-TE1 +REF
1U-3648B	IC731		243010004608M	243010004608M	U-PRO	M3062LFGPGP-MZ0723
1U-3648B	IC732		00D2623659904	00D2623659904	IC	IDT71V124SA12TYG8
1U-3648B	IC733		00D2623206904	00D2623206904	IC	S-80843CLNB-B64-T2 +C
1U-3648B	IC734		00D2623197903	00D2623197903	IC	TC74VHC74FT-EL +REF
1U-3648B	IC735		00D2623200900	00D2623200900	IC	TC74VHC00FT-EL +REF
1U-3648B	IC736		00D2623198902	00D2623198902	IC	TC74VHC157FT-EL +REF
1U-3648B	IC737		00D2623388903	00D2623388903	IC	AT24C04AN-10SI-1.8 +REF
1U-3648B	R-414		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-415		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-416		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-417		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-418		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-419		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-420		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-421		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-422		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-423		nsp	00D2472008968	CHIP RES.	RM73B--332JT +1608

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

P.W.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
1U-3648B	R-424		nsp	00D2472008926	CHIP RES.	RM73B--222JT +1608
1U-3648B	R-425		nsp	00D2472008913	CHIP RES.	RM73B--202JT +1608
1U-3648B	R-426		nsp	00D2472008913	CHIP RES.	RM73B--202JT +1608
1U-3648B	R-433		nsp	00D2472008926	CHIP RES.	RM73B--222JT +1608
1U-3648B	R-435		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-437		nsp	00D2472003947	CHIP RES.	RM73B--220JT +1608
1U-3648B	R-438		nsp	00D2472003947	CHIP RES.	RM73B--220JT +1608
1U-3648B	R-439		nsp	00D2472003947	CHIP RES.	RM73B--220JT +1608
1U-3648B	R-440		nsp	00D2472003947	CHIP RES.	RM73B--220JT +1608
1U-3648B	R-441		nsp	00D2472003947	CHIP RES.	RM73B--220JT +1608
1U-3648B	R-442		nsp	00D2472003947	CHIP RES.	RM73B--220JT +1608
1U-3648B	R-443		nsp	00D2472003947	CHIP RES.	RM73B--220JT +1608
1U-3648B	R-444		nsp	00D2472003947	CHIP RES.	RM73B--220JT +1608
1U-3648B	R-445		nsp	00D2472003947	CHIP RES.	RM73B--220JT +1608
1U-3648B	R-446		nsp	00D2472003947	CHIP RES.	RM73B--220JT +1608
1U-3648B	R-447		nsp	00D2472003947	CHIP RES.	RM73B--220JT +1608
1U-3648B	R-448		nsp	00D2472003947	CHIP RES.	RM73B--220JT +1608
1U-3648B	R-449		nsp	00D2472003947	CHIP RES.	RM73B--220JT +1608
1U-3648B	R-459		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-460		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-461		nsp	00D2472008942	CHIP RES.	RM73B--272JT +1608
1U-3648B	R-464		nsp	00D2472003989	CHIP RES.	RM73B--330JT +1608
1U-3648B	R-465		nsp	00D2472003989	CHIP RES.	RM73B--330JT +1608
1U-3648B	R-471		nsp	00D2472008926	CHIP RES.	RM73B--222JT +1608
1U-3648B	R-472		nsp	00D2472008926	CHIP RES.	RM73B--222JT +1608
1U-3648B	R-473		nsp	00D2472008926	CHIP RES.	RM73B--222JT +1608
1U-3648B	R-474		nsp	00D2472008926	CHIP RES.	RM73B--222JT +1608
1U-3648B	R-475		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-476		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-501		nsp	00D2472004988	CHIP RES.	RM73B--820JT +1608
1U-3648B	R-502		nsp	00D2472005903	CHIP RES.	RM73B--101JT +1608
1U-3648B	R-505		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-506		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-508		nsp	00D2472008926	CHIP RES.	RM73B--222JT +1608
1U-3648B	R-509		nsp	00D2472008926	CHIP RES.	RM73B--222JT +1608
1U-3648B	R-510		nsp	00D2472008926	CHIP RES.	RM73B--222JT +1608
1U-3648B	R-511		nsp	00D2472008926	CHIP RES.	RM73B--222JT +1608
1U-3648B	R-512		nsp	00D2472007985	CHIP RES.	RM73B--152JT +1608
1U-3648B	R-513		nsp	00D2472007985	CHIP RES.	RM73B--152JT +1608
1U-3648B	R-514		nsp	00D2472007985	CHIP RES.	RM73B--152JT +1608
1U-3648B	R-515		nsp	00D2472007985	CHIP RES.	RM73B--152JT +1608
1U-3648B	R-516		nsp	00D2472004946	CHIP RES.	RM73B--560JT +1608
1U-3648B	R-517		nsp	00D2472004946	CHIP RES.	RM73B--560JT +1608
1U-3648B	R-518		nsp	00D2472004946	CHIP RES.	RM73B--560JT +1608
1U-3648B	R-519		nsp	00D2472004946	CHIP RES.	RM73B--560JT +1608
1U-3648B	R-520		nsp	00D2472004920	CHIP RES.	RM73B--470JT +1608
1U-3648B	R-521		nsp	00D2472004920	CHIP RES.	RM73B--470JT +1608
1U-3648B	R-522		nsp	00D2472004920	CHIP RES.	RM73B--470JT +1608
1U-3648B	R-523		nsp	00D2472004920	CHIP RES.	RM73B--470JT +1608
1U-3648B	R-524		nsp	00D2472012941	CHIP RES.	RM73B--124JT +1608
1U-3648B	R-527		nsp	00D2472005903	CHIP RES.	RM73B--101JT +1608
1U-3648B	R-528		nsp	00D2472005903	CHIP RES.	RM73B--101JT +1608
1U-3648B	R-534		nsp	00D2472012941	CHIP RES.	RM73B--124JT +1608
1U-3648B	R-536		nsp	00D2472007943	CHIP RES.	RM73B--102JT +1608
1U-3648B	R-542		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-544		nsp	00D2472007943	CHIP RES.	RM73B--102JT +1608
1U-3648B	R-545		nsp	00D2472019960	CHIP RES.	RM73B--123FT +1608
1U-3648B	R-549		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-550		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-551		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-552		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-553		nsp	00D2472011900	CHIP RES.	RM73B--333JT +1608
1U-3648B	R-554		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-555		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-556		nsp	00D2472007943	CHIP RES.	RM73B--102JT +1608
1U-3648B	R-557		nsp	00D2472010969	CHIP RES.	RM73B--223JT +1608
1U-3648B	R-558		nsp	00D2472008900	CHIP RES.	RM73B--182JT +1608

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P.W.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
1U-3648B	R-559		nsp	00D2472012925	CHIP RES.	RM73B--104JT +1608
1U-3648B	R-560		nsp	00D2472011942	CHIP RES.	RM73B--473JT +1608
1U-3648B	R-561		nsp	00D2472011984	CHIP RES.	RM73B--683JT +1608
1U-3648B	R-562		nsp	00D2472006960	CHIP RES.	RM73B--471JT +1608
1U-3648B	R-563		nsp	00D2472012967	CHIP RES.	RM73B--154JT +1608
1U-3648B	R-564		nsp	00D2472011942	CHIP RES.	RM73B--473JT +1608
1U-3648B	R-565		nsp	00D2472011968	CHIP RES.	RM73B--563JT +1608
1U-3648B	R-566		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-567		nsp	00D2472003989	CHIP RES.	RM73B--330JT +1608
1U-3648B	R-568		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-570		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-571		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-574		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-577		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-583		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-584		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-585		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-586		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-587		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-588		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-589		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-590		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-591		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-592		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-593		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-594		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-595		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-596		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-597		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-598		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-599		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-601		nsp	00D2472010969	CHIP RES.	RM73B--223JT +1608
1U-3648B	R-603		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-604		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-605		nsp	00D2472018916	CHIP RES.	RM73B--010KT +1608
1U-3648B	R-606		nsp	00D2472018916	CHIP RES.	RM73B--010KT +1608
1U-3648B	R-607		nsp	00D2472018916	CHIP RES.	RM73B--010KT +1608
1U-3648B	R-608		nsp	00D2472018916	CHIP RES.	RM73B--010KT +1608
1U-3648B	R-609		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-611		nsp	00D2472005903	CHIP RES.	RM73B--101JT +1608
1U-3648B	R-612		nsp	00D2472005903	CHIP RES.	RM73B--101JT +1608
1U-3648B	R-613		nsp	00D2472005903	CHIP RES.	RM73B--101JT +1608
1U-3648B	R-614		nsp	00D2472005903	CHIP RES.	RM73B--101JT +1608
1U-3648B	R-615		nsp	00D2472005903	CHIP RES.	RM73B--101JT +1608
1U-3648B	R-616		nsp	00D2472005903	CHIP RES.	RM73B--101JT +1608
1U-3648B	R-617		nsp	00D2472005903	CHIP RES.	RM73B--101JT +1608
1U-3648B	R-618		nsp	00D2472005903	CHIP RES.	RM73B--101JT +1608
1U-3648B	R-620		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-621		nsp	00D2472003947	CHIP RES.	RM73B--220JT +1608
1U-3648B	R-622		nsp	00D2472003947	CHIP RES.	RM73B--220JT +1608
1U-3648B	R-623		nsp	00D2472003947	CHIP RES.	RM73B--220JT +1608
1U-3648B	R-624		nsp	00D2472003947	CHIP RES.	RM73B--220JT +1608
1U-3648B	R-625		nsp	00D2472003947	CHIP RES.	RM73B--220JT +1608
1U-3648B	R-626		nsp	00D2472003947	CHIP RES.	RM73B--220JT +1608
1U-3648B	R-627		nsp	00D2472003947	CHIP RES.	RM73B--220JT +1608
1U-3648B	R-628		nsp	00D2472003947	CHIP RES.	RM73B--220JT +1608
1U-3648B	R-629		nsp	00D2472003947	CHIP RES.	RM73B--220JT +1608
1U-3648B	R-630		nsp	00D2472003947	CHIP RES.	RM73B--220JT +1608
1U-3648B	R-631		nsp	00D2472003947	CHIP RES.	RM73B--220JT +1608
1U-3648B	R-632		nsp	00D2472003947	CHIP RES.	RM73B--220JT +1608
1U-3648B	R-633		nsp	00D2472003947	CHIP RES.	RM73B--220JT +1608
1U-3648B	R-634		nsp	00D2472005903	CHIP RES.	RM73B--101JT +1608
1U-3648B	R-635		nsp	00D2472003989	CHIP RES.	RM73B--330JT +1608
1U-3648B	R-636		nsp	00D2472005903	CHIP RES.	RM73B--101JT +1608
1U-3648B	R-637		nsp	00D2472003989	CHIP RES.	RM73B--330JT +1608
1U-3648B	R-638		nsp	00D2472003989	CHIP RES.	RM73B--330JT +1608
1U-3648B	R-639		nsp	00D2472005903	CHIP RES.	RM73B--101JT +1608

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P.W.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
1U-3648B	R-640		nsp	00D2472005903	CHIP RES.	RM73B--101JT +1608
1U-3648B	R-641		nsp	00D2472005903	CHIP RES.	RM73B--101JT +1608
1U-3648B	R-642		nsp	00D2472003989	CHIP RES.	RM73B--330JT +1608
1U-3648B	R-643		nsp	00D2472003989	CHIP RES.	RM73B--330JT +1608
1U-3648B	R-644		nsp	00D2472003989	CHIP RES.	RM73B--330JT +1608
1U-3648B	R-645		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-646		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-647		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-649		nsp	00D2472005903	CHIP RES.	RM73B--101JT +1608
1U-3648B	R-650		nsp	00D2472005903	CHIP RES.	RM73B--101JT +1608
1U-3648B	R-651		nsp	00D2472005903	CHIP RES.	RM73B--101JT +1608
1U-3648B	R-652		nsp	00D2472005903	CHIP RES.	RM73B--101JT +1608
1U-3648B	R-653		nsp	00D2472005903	CHIP RES.	RM73B--101JT +1608
1U-3648B	R-654		nsp	00D2472005903	CHIP RES.	RM73B--101JT +1608
1U-3648B	R-655		nsp	00D2472005903	CHIP RES.	RM73B--101JT +1608
1U-3648B	R-656		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-657		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-658		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-659		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-666		nsp	00D2472010969	CHIP RES.	RM73B--223JT +1608
1U-3648B	R-667		nsp	00D2472010969	CHIP RES.	RM73B--223JT +1608
1U-3648B	R-668		nsp	00D2472010969	CHIP RES.	RM73B--223JT +1608
1U-3648B	R-669		nsp	00D2472010969	CHIP RES.	RM73B--223JT +1608
1U-3648B	R-670		nsp	00D2472009912	CHIP RES.	RM73B--512JT +1608
1U-3648B	R-671		nsp	00D2472011968	CHIP RES.	RM73B--563JT +1608
1U-3648B	R-672		nsp	00D2472011968	CHIP RES.	RM73B--563JT +1608
1U-3648B	R-673		nsp	00D2472011968	CHIP RES.	RM73B--563JT +1608
1U-3648B	R-674		nsp	00D2472011900	CHIP RES.	RM73B--333JT +1608
1U-3648B	R-675		nsp	00D2472011900	CHIP RES.	RM73B--333JT +1608
1U-3648B	R-676		nsp	00D2472010985	CHIP RES.	RM73B--273JT +1608
1U-3648B	R-677		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-678		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-679		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-680		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-681		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-682		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-683		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-684		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-685		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-686		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-687		nsp	00D2472013982	CHIP RES.	RM73B--474JT +1608
1U-3648B	R-688		nsp	00D2472008926	CHIP RES.	RM73B--222JT +1608
1U-3648B	R-689		nsp	00D2472007943	CHIP RES.	RM73B--102JT +1608
1U-3648B	R-690		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-691		nsp	00D2472005903	CHIP RES.	RM73B--101JT +1608
1U-3648B	R-692		nsp	00D2472005903	CHIP RES.	RM73B--101JT +1608
1U-3648B	R-693		nsp	00D2472005903	CHIP RES.	RM73B--101JT +1608
1U-3648B	R-694		nsp	00D2472005903	CHIP RES.	RM73B--101JT +1608
1U-3648B	R-699		nsp	00D2472010969	CHIP RES.	RM73B--223JT +1608
1U-3648B	R-732		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-733		nsp	00D2472009941	CHIP RES.	RM73B--682JT +1608
1U-3648B	R-734		nsp	00D2472009967	CHIP RES.	RM73B--822JT +1608
1U-3648B	R-735		nsp	00D2472008984	CHIP RES.	RM73B--392JT +1608
1U-3648B	R-736		nsp	00D2472005987	CHIP RES.	RM73B--221JT +1608
1U-3648B	R-737		nsp	00D2472010969	CHIP RES.	RM73B--223JT +1608
1U-3648B	R-739		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-741		nsp	00D2472018903	CHIP RES.	RM73B--0R0KT +1608
1U-3648B	R-743		nsp	00D2472009925	CHIP RES.	RM73B--562JT +1608
1U-3648B	R-744		nsp	00D2472010969	CHIP RES.	RM73B--223JT +1608
1U-3648B	R-745		nsp	00D2472010969	CHIP RES.	RM73B--223JT +1608
1U-3648B	R-746		nsp	00D2472010969	CHIP RES.	RM73B--223JT +1608
1U-3648B	R-747		nsp	00D2472010969	CHIP RES.	RM73B--223JT +1608
1U-3648B	R-748		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-749		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-750		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-751		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-752		nsp	00D2472007943	CHIP RES.	RM73B--102JT +1608

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

P.W.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
1U-3648B	R-753		nsp	00D2472007943	CHIP RES.	RM73B--102JT +1608
1U-3648B	R-754		nsp	00D2472007943	CHIP RES.	RM73B--102JT +1608
1U-3648B	R-762		nsp	00D2472009983	CHIP RES.	RM73B--103JT +1608
1U-3648B	R-763		nsp	00D2472010969	CHIP RES.	RM73B--223JT +1608
1U-3648B	R-766		nsp	00D2472010969	CHIP RES.	RM73B--223JT +1608
1U-3648B	R-767		nsp	00D2472003989	CHIP RES.	RM73B--330JT +1608
1U-3648B	R-768		nsp	00D2472003989	CHIP RES.	RM73B--330JT +1608
1U-3648B	R-769		nsp	00D2472003989	CHIP RES.	RM73B--330JT +1608
1U-3648B	R-770		nsp	00D2472003989	CHIP RES.	RM73B--330JT +1608
1U-3648B	R-771		nsp	00D2472003989	CHIP RES.	RM73B--330JT +1608
1U-3648B	R-772		nsp	00D2472003989	CHIP RES.	RM73B--330JT +1608
1U-3648B	R-773		nsp	00D2472003989	CHIP RES.	RM73B--330JT +1608
1U-3648B	R-774		nsp	00D2472003989	CHIP RES.	RM73B--330JT +1608
1U-3648B	RA401		nsp	00D2479003908	CHIP RES.	MNR14=220JE0AB +C
1U-3648B	RA402		nsp	00D2479003908	CHIP RES.	MNR14=220JE0AB +C
1U-3648B	RA501		nsp	00D2479007917	CHIP RES.	MNR14=103JE0 +C
1U-3648B	RA502		nsp	00D2479007917	CHIP RES.	MNR14=103JE0 +C
1U-3648B	RA503		nsp	00D2479007917	CHIP RES.	MNR14=103JE0 +C
1U-3648B	RA504		nsp	00D2479007917	CHIP RES.	MNR14=103JE0 +C
1U-3648B	TR511		00D2720166905	00D2720166905	TRS.	2SB798(DL/DK)-T1 +C
1U-3648B	TR512		00D2720166905	00D2720166905	TRS.	2SB798(DL/DK)-T1 +C
1U-3648B	X-731		00D3990887903	00D3990887903	X'TAL	CSTCE16MOV53-R0 +2125
					TRAY DRIVE PWB PM16 (00MWG27AK801-)	
PM16	CM01		00D2574010906	00D2574010906	ELECT CAP.	EMV-160ADA101MH63G (100UF/16V)
PM16	CM02		nsp	00D2570512903	CHIP CAP.	GRM39F104Z16 0.1UF MURATA
PM16	CM04		nsp	00D2570512903	CHIP CAP.	GRM39F104Z16 0.1UF MURATA
PM16	CM05		00D2544465921	00D2544465921	ELECT CAP.	EMV-160ADA100MD55G (10UF/16V)
PM16	CM06		nsp	00D2570512903	CHIP CAP.	GRM39F104Z16 0.1UF MURATA
PM16	CM07		00D2544471902	00D2544471902	ELECT CAP.	EMV-350ADA4R7MD55G (4.7UF/35V)
PM16	JM01		nsp	nsp	CONN.	S5B-PH-SM4-TB (LF) (SN)
PM16	JM02		nsp	nsp	CONN.	S5B-PH-SM4-TB (LF) (SN)
PM16	JM03		nsp	nsp	CONN.	13FMN-SMT-A-TF (LF) (SN)
PM16	JM04		nsp	nsp	CONN.	S4B-PH-SM4-TB (LF) (SN)
PM16	QM01		00D2631011903	00D2631011903	IC	NJM3414AM-TE DUAL
PM16	QM02		00D2720166905	00D2720166905	TRS.	2SB798-T1 (DL OR DK)
PM16	QM03		00D2740204902	00D2740204902	TRS.	2SD999-T1 (CL OR CM)
PM16	QM04		00D2740204902	00D2740204902	TRS.	2SD999-T1 (CL OR CM)
PM16	QM05		00D2720166905	00D2720166905	TRS.	2SB798-T1 (DL OR DK)
PM16	QM06		00D2730470908	00D2730470908	TRS.	2SC4116-Y OR GR-TE85L
PM16	QM07		00D2730470908	00D2730470908	TRS.	2SC4116-Y OR GR-TE85L
PM16	RM01		nsp	00D2472011968	CHIP RES.	RPC05T-563J (56K OHM +5% 1/10W)
PM16	RM02		nsp	00D2472012925	CHIP RES.	RPC05T-104J (100K OHM +5% 1/10W)
PM16	RM03		nsp	00D2472012925	CHIP RES.	RPC05T-104J (100K OHM +5% 1/10W)
PM16	RM04		nsp	00D2472012925	CHIP RES.	RPC05T-104J (100K OHM +5% 1/10W)
PM16	RM05		nsp	00D2472011968	CHIP RES.	RPC05T-563J (56K OHM +5% 1/10W)
PM16	RM06		nsp	00D2472006986	CHIP RES.	RPC05T-561J (560 OHM +5% 1/10W)
PM16	RM07		nsp	00D2472006960	CHIP RES.	RPC05T-471J (470 OHM +5% 1/10W)
PM16	RM08		nsp	00D2472011942	CHIP RES.	RPC05T-473J (47K OHM +5% 1/10W)
PM16	RM09		nsp	00D2472011942	CHIP RES.	RPC05T-473J (47K OHM +5% 1/10W)
PM16	RM10		nsp	00D2472010969	CHIP RES.	RPC05T-223J (22K OHM +5% 1/10W)
PM16	RM11		nsp	00D2472012925	CHIP RES.	RPC05T-104J (100K OHM +5% 1/10W)
PM16	RM12		nsp	00D2472008926	CHIP RES.	RPC05T-222J (2.2K OHM +5% 1/10W)
PM16	RM13		nsp	00D2472008926	CHIP RES.	RPC05T-222J (2.2K OHM +5% 1/10W)
PM16	RM15		nsp	00D2472006986	CHIP RES.	RPC05T-561J (560 OHM +5% 1/10W)
PM16	RM16		nsp	00D2472006960	CHIP RES.	RPC05T-471J (470 OHM +5% 1/10W)
PM16	RM17		nsp	00D2472006960	CHIP RES.	RPC05T-471J (470 OHM +5% 1/10W)
PM16	RM18		nsp	00D2472001949	CHIP RES.	RPC05T-3R3J (3.3 OHM +5% 1/10W)
PM16	RM19		nsp	00D2472001949	CHIP RES.	RPC05T-3R3J (3.3 OHM +5% 1/10W)
PM16	RM20		nsp	00D2472001949	CHIP RES.	RPC05T-3R3J (3.3 OHM +5% 1/10W)
PM16	RM21		nsp	00D2472001949	CHIP RES.	RPC05T-3R3J (3.3 OHM +5% 1/10W)
PM16	RM22		nsp	00D2472009983	CHIP RES.	RPC05T-103J (10K OHM +5% 1/10W)
PM16	RM23		nsp	00D2472007943	CHIP RES.	RPC05T-102J (1K OHM +5% 1/10W)

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