

Service Manual

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

Super Audio CD Player

SA-15S1

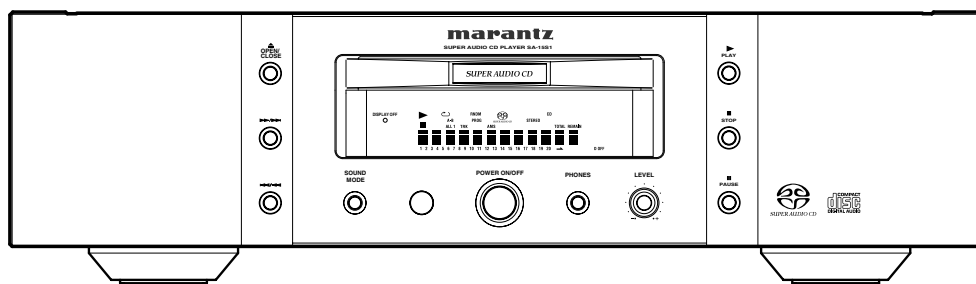


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Please use this service manual with referring to the user guide (D.F.U.) without fail.

修理の際は、必ず取扱説明書を準備し操作方法を確認の上作業を行ってください。

marantz®

SA-15S1

MARANTZ DESIGN AND SERVICE

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

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

ORDERING PARTS :

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

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

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

USA

MARANTZ AMERICA, INC
1100 MAPLEWOOD DRIVE
ITASCA, IL. 60143
USA
PHONE : 630 - 741 - 0300
FAX : 630 - 741 - 0301

EUROPE / TRADING

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

CANADA

MARANTZ CANADA INC.
5-505 APPLE CREEK BLVD.
MARKHAM, ONTARIO L3R 5B1
CANADA
PHONE : 905 - 415 - 9292
FAX : 905 - 475 - 4159

AUSTRALIA

QualiFi Pty Ltd,
24 LIONEL ROAD,
MT. WAVERLEY VIC 3149
AUSTRALIA
PHONE : +61 - (0)3 - 9543 - 1522
FAX : +61 - (0)3 - 9543 - 3677

THAILAND

MRZ STANDARD CO., LTD
746 - 754 MAHACHAI ROAD.,
WANGBURAPAPIROM, PHRANAKORN,
BANGKOK, 10200 THAILAND
PHONE : +66 - 2 - 222 9181
FAX : +66 - 2 - 224 6795

SINGAPORE

WO KEE HONG DISTRIBUTION PTE LTD
No.1 JALAN KILANG TIMOR
#08-03 PACIFIC TECH CENTRE
SINGAPORE 159303
PHONE : +65 6376 0338
FAX : +65 6376 0166

NEW ZEALAND

WILDASH AUDIO SYSTEMS NZ
14 MALVERN ROAD MT ALBERT
AUCKLAND NEW ZEALAND
PHONE : +64 - 9 - 8451958
FAX : +64 - 9 - 8463554

TAIWAN

PAI- YUING CO., LTD.
6 TH FL NO, 148 SUNG KIANG ROAD,
TAIPEI, 10429, TAIWAN R.O.C.
PHONE : +886 - 2 - 25221304
FAX : +886 - 2 - 25630415

MALAYSIA

WO KEE HONG ELECTRONICS SDN. BHD.
2ND FLOOR BANGUNAN INFINITE CENTRE
LOT 1, JALAN 13/6, 46200 PETALING JAYA
SELANGOR DARUL EHSAN, MALAYSIA
PHONE : +60 - 3 - 7954 8088
FAX : +60 - 3 - 7954 7088

JAPAN *Technical*

MARANTZ JAPAN, INC.
35- 1, 7- CHOME, SAGAMIONO
SAGAMIHARA - SHI, KANAGAWA
JAPAN 228-8505
PHONE : +81 42 748 1013
FAX : +81 42 741 9190

日本マランツ株式会社

本 社 〒228-8505
神奈川県相模原市相模大野7-35-1

KOREA

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

SHOCK, FIRE HAZARD SERVICE TEST :

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

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

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

1. TECHNICAL SPECIFICATIONS

	Super Audio CD	Audio CD
Audio Characteristics		
Analog output		
Channels	2channels	2channels
Frequency range	2Hz — 100kHz	2Hz — 20kHz
Frequency characteristics	2Hz — 50kHz (-3dB)	2Hz — 20kHz
Dynamic range	111dB	100dB
THD (1kHz)	0.002%	0.002%
wow & flutter	Precision of quartz	Precision of quartz
Output level	2.1V RMS stereo	2.1V RMS stereo
Digital output		
output level (cinch JACK)	—	0.5Vp-p (75Ω)
output level (optical)	—	-19dBm
Optical Readout System		
Laser	AlGaAs	AlGaAs
Wave length	650nm	780nm
Signal format	1-bit DSD	16-bit linear PCM
Sampling frequency	2.8224MHz	44.1kHz

Power Supply

/F Version.....	AC 100V 50Hz/60Hz
/K Version	AC 220V 50Hz
/L Version.....	AC 110V 60Hz
/N Version	AC 230V 50Hz
/S Version	AC 230V 50Hz
Power Consumption	20W

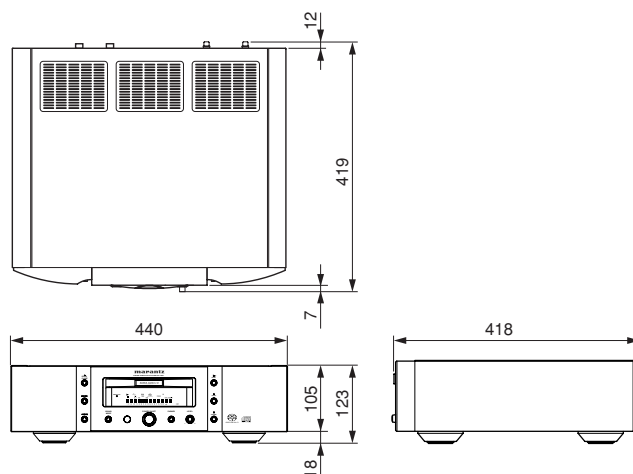
Cabinet, etc.

Dimensions (Width × Height × Depth)	440 × 123 × 419mm
Net weight.....	13.5kg
Operating temperatures.....	+5°C ~ +35°C
Operating humidity	5 ~ 90% (without dew)

Accessories

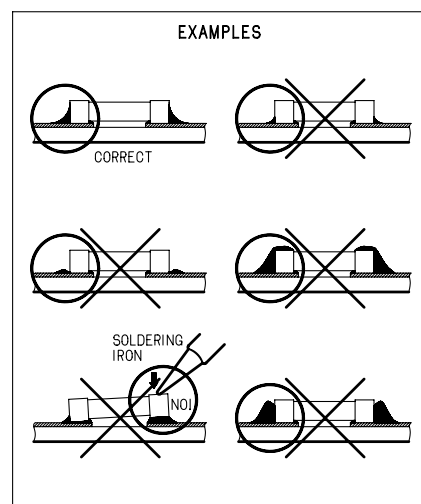
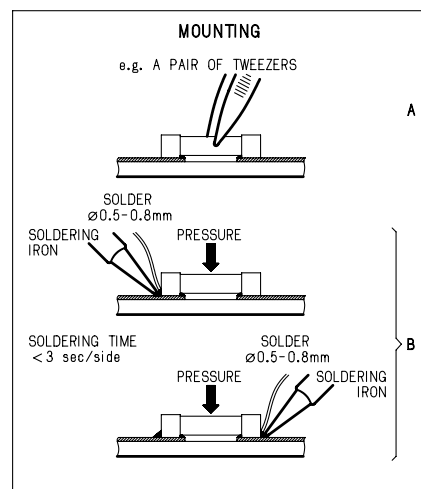
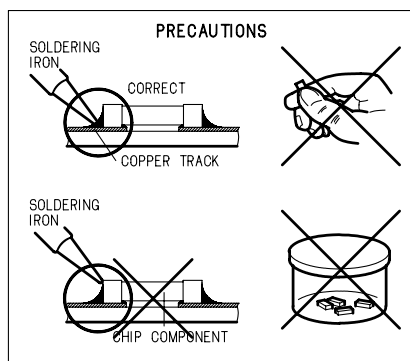
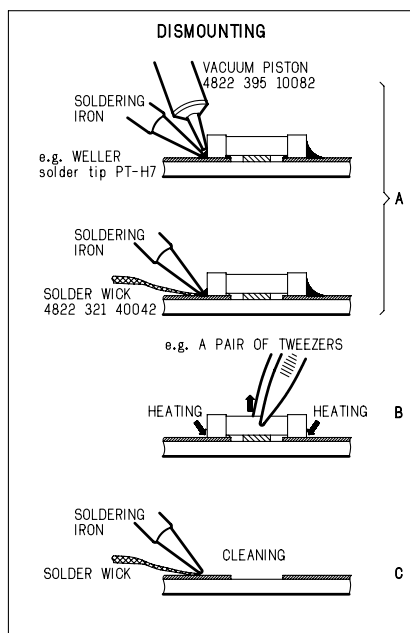
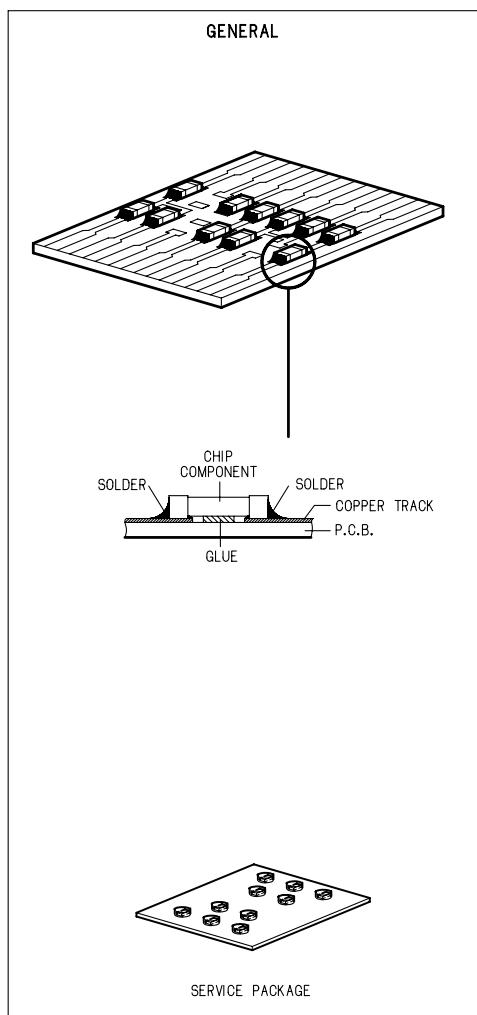
- Remote control unit (RC-11SAS1) 1
- Dimensions (Width × Height × Depth) 48.5 × 21.5 × 152.5mm
- Net weight..... 160g
- AAA (R03) Batteries 2
- AC Power cord..... 1
- Audio cable 1
- Remote connection Cable 1
- User's Guide 1

■ Dimensions (unit: mm)



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



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



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.



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.



WARNUNG

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



AVVERTIMENTO

Tutti IC e parecchi semi-conduttori sono sensibili alle scariche statiche (ESD). La loro longevita potrebbe essere fortemente ridatta in caso di non osservazione della piu 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.



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



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



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



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

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



Les normes de sécurité exigent que l'appareil soit remis a 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

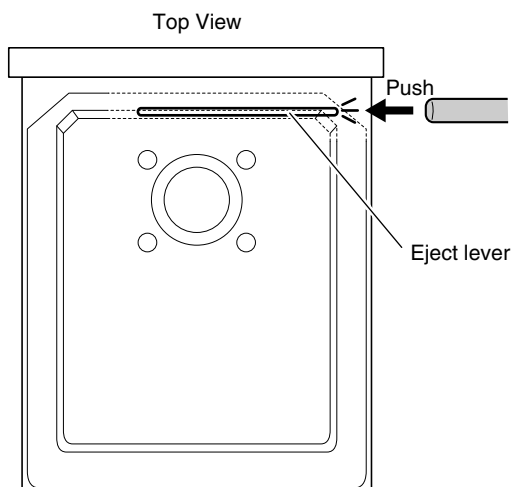
The use of optical instruments with this product will increase eye hazard. Repair handling should take place as much as possible with a disc loaded inside the player

WARNING LOCATION: INSIDE ON LASER COVERSIELD

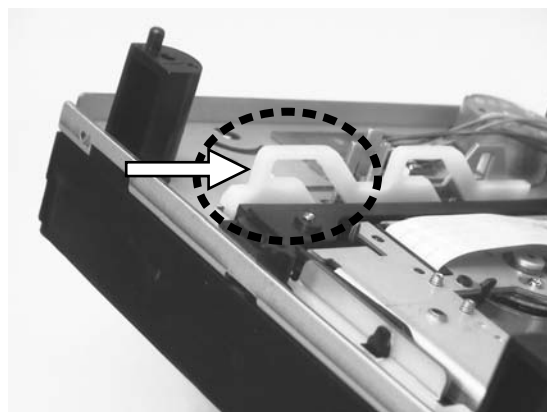
CAUTION VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AVOID EXPOSURE TO BEAM
ADVARSEL SYNLIG OG USYNLIG LASERSTRÅLING VED ÅBNING UNDGÅ UDSÆTTELSE FOR STRÅLING
ADVARSEL SYNLIG OG USYNLIG LASERSTRÅLING NÅR DEKSEL Å PNES UNNGÅ EKSPONERING FOR STRÅLEN
VARNING SYNLIG OCH OSYNLIG LASERSTRÅLNING NÅR DENNA 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

To open the stucked tray, push the eject lever.



The eject lever is pointed by the arrow.



This picture shows the unit upside down.

5. SERVICE MODE

How to upgrade (IC731) by upgrade DISC. (90M-SA15S1DVD)

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-SA15S1DVD).
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.

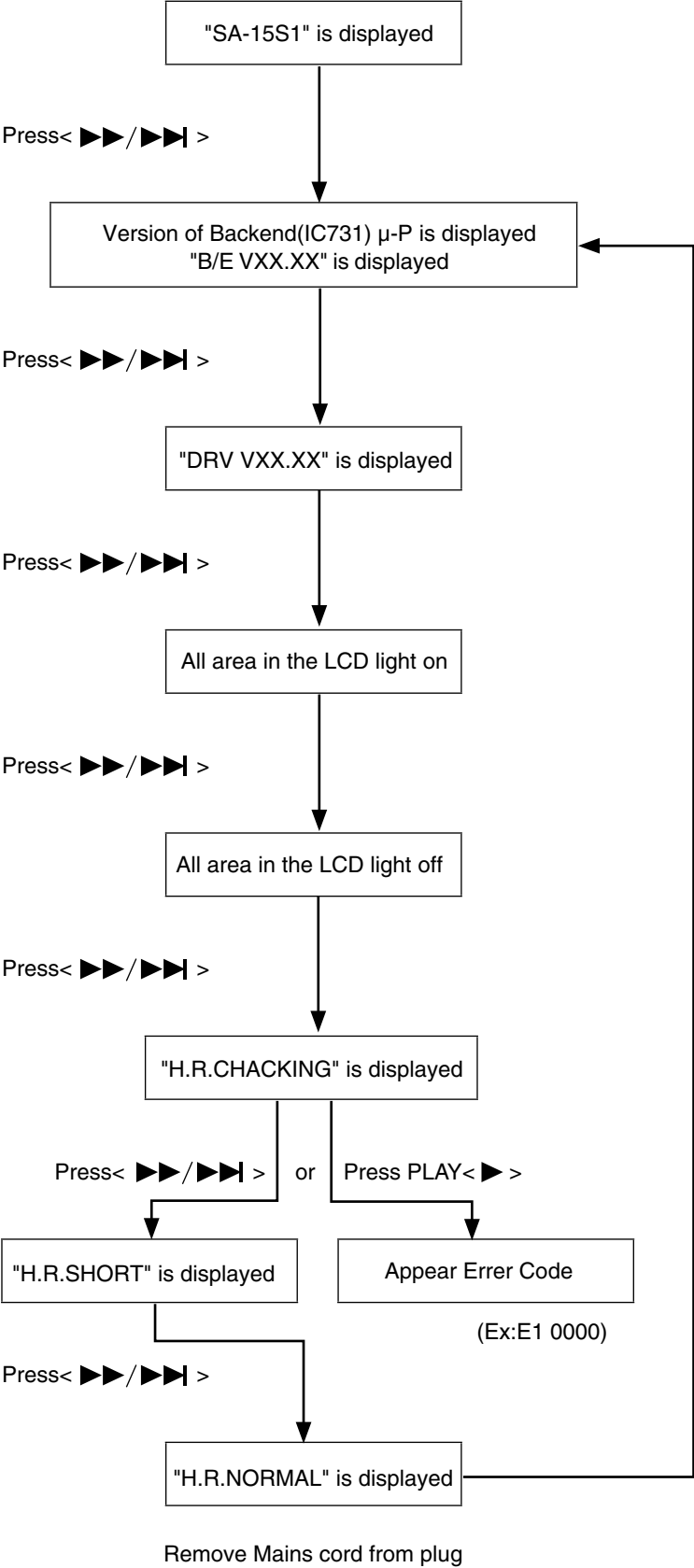
Upgrade is completed,
Press the **POWER** button to turn off the unit.

ソフトウェア (IC731) のアップデート方法 (90M-SA15S1DVD)

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-SA15S1DVD) 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。
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 ボタンを押し電源を切ります。

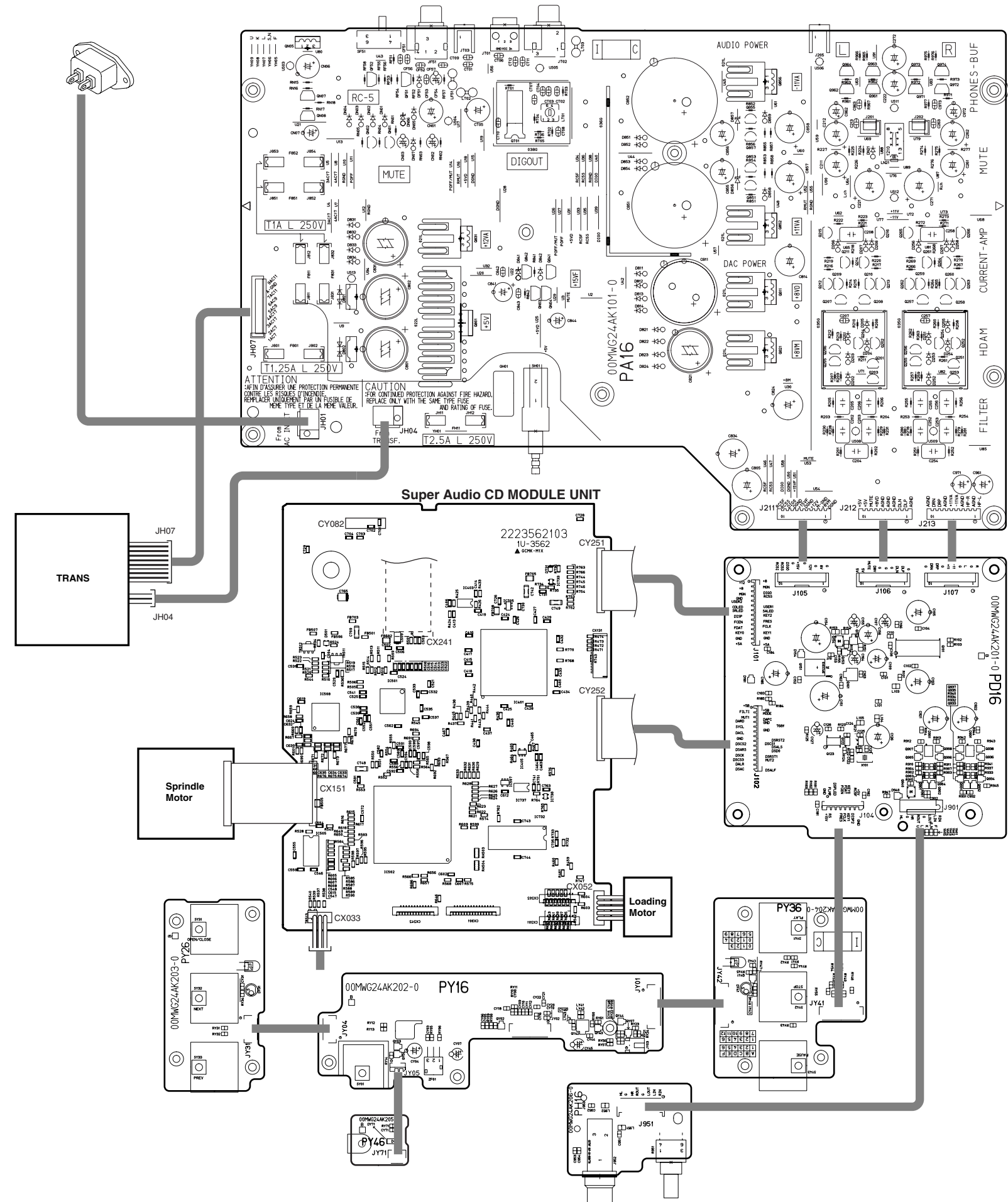
The error code is indicated when a problem DISC is inserted rst.
Press the **POWER** button While pressing **PLAY** and **STOP** Button



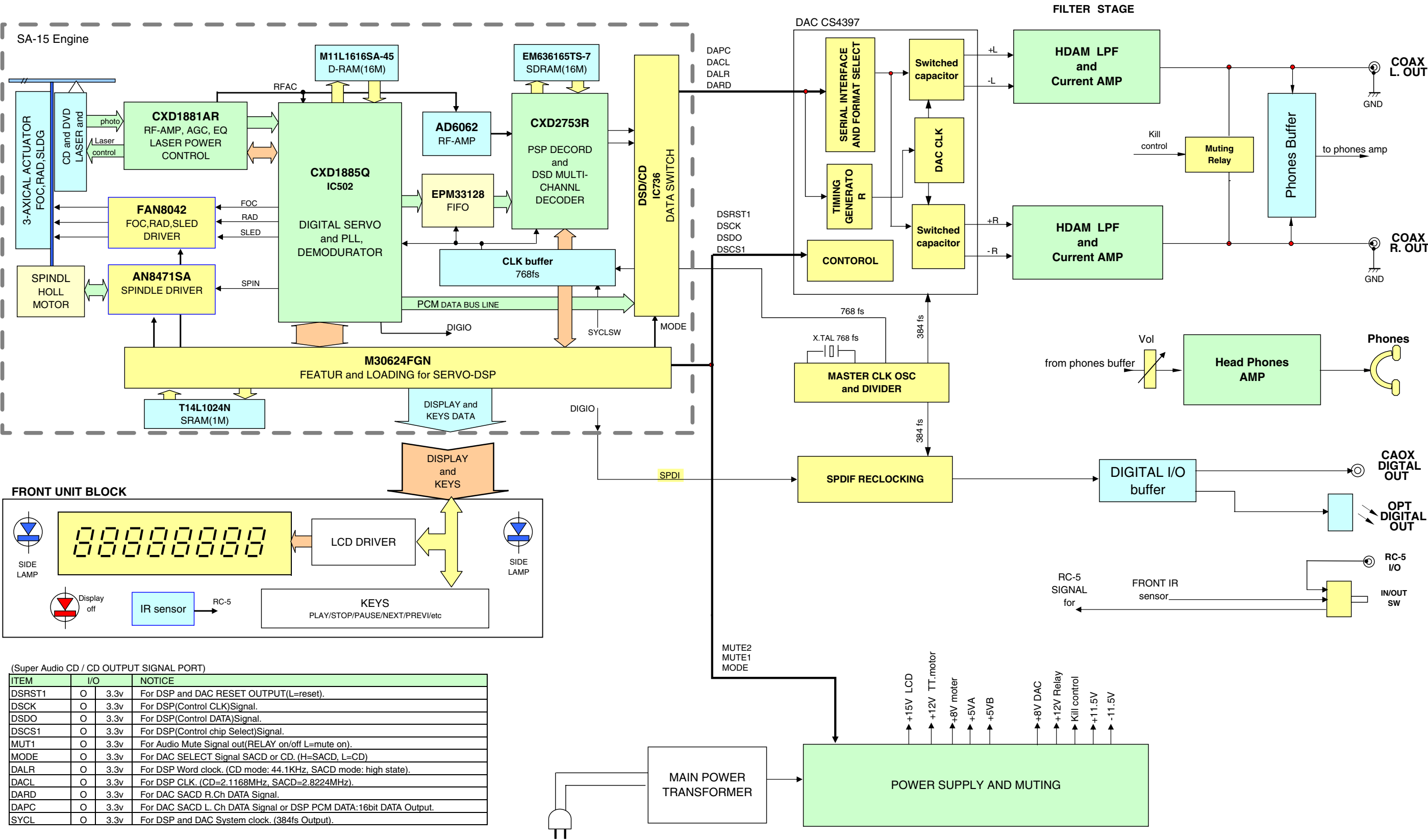
Error Code	
Error Code	Error
E1 XXXX	Operation time Error
E2 XXXX	T.O.C Error
E2 XXXX	Focus Error
E2 XXXX	Read Error
E4 XXXX	Tracking Error
E5 XXXX	Tray Error
E6 XXXX	Navigation Pack Read Error
E7 XXXX	Check Sum Eroor and NonAcknow l edgmen
NO DISC XXXX	NO disc

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

6. WIRING DIAGRAM



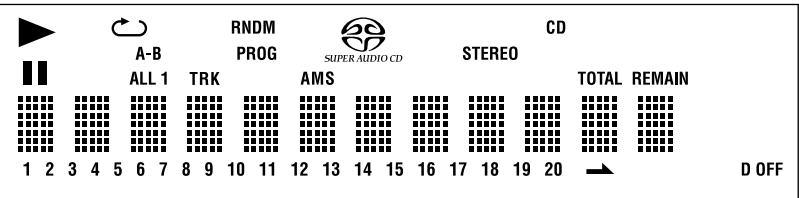
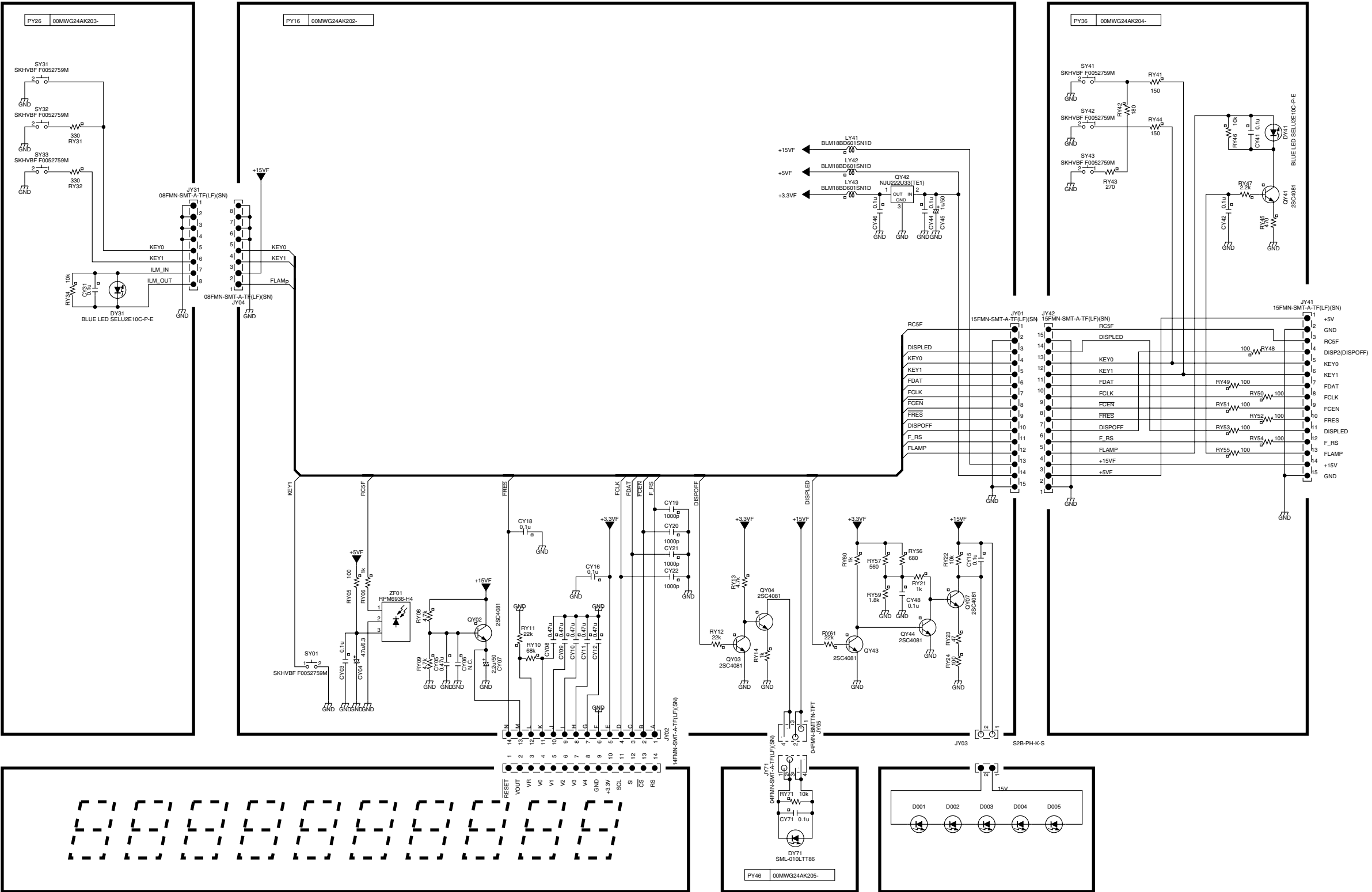
7. BLOCK DIAGRAM



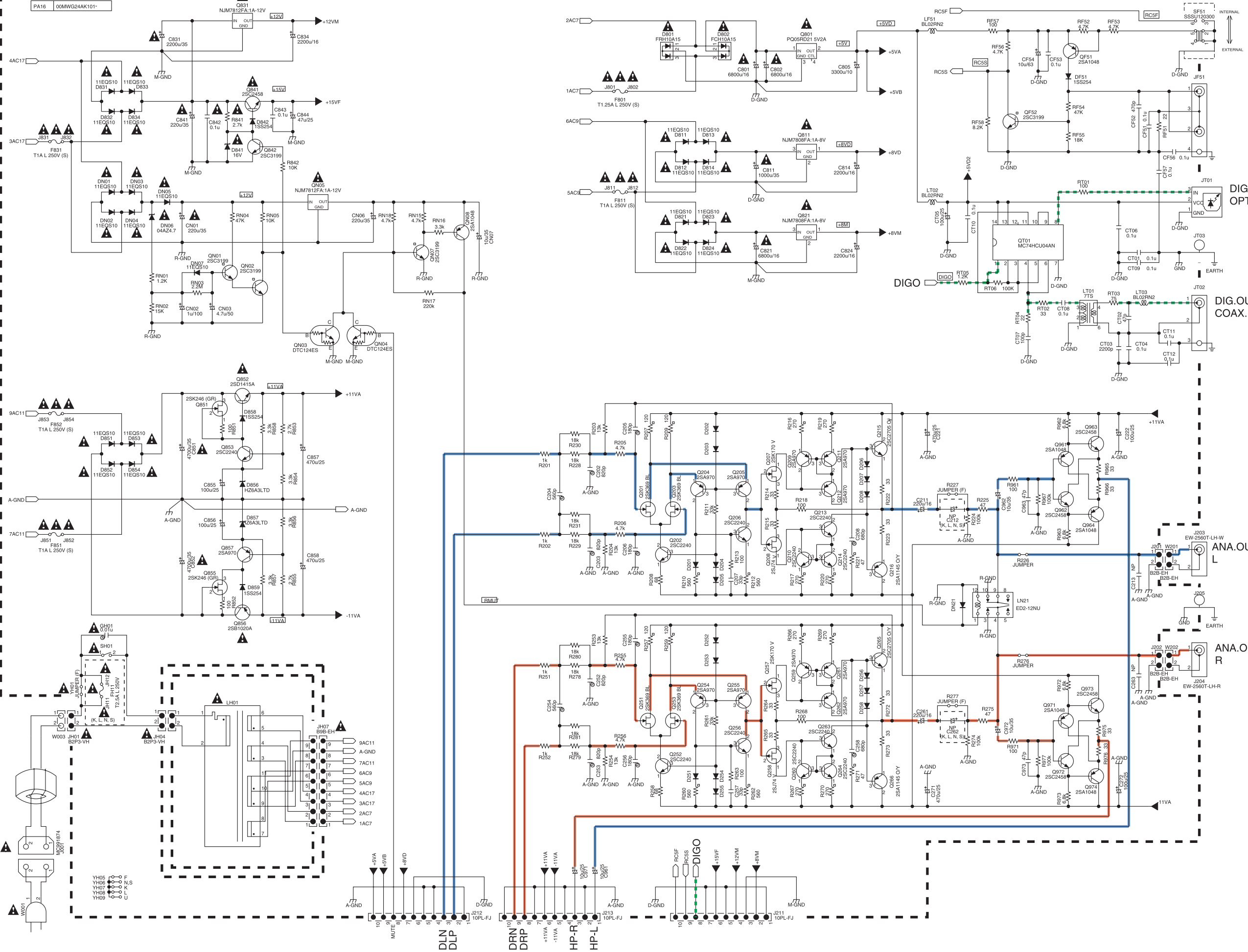
(Super Audio CD / CD OUTPUT SIGNAL PORT)

ITEM	I/O	3.3v	NOTICE
DSRST1	O	3.3v	For DSP and DAC RESET OUTPUT(L=reset).
DSCK	O	3.3v	For DSP(Control CLK)Signal.
DSDO	O	3.3v	For DSP(Control DATA)Signal.
DSCS1	O	3.3v	For DSP(Control chip Select)Signal.
MUT1	O	3.3v	For Audio Mute Signal out(RELAY on/off L=mute on).
MODE	O	3.3v	For DAC SELECT Signal SACD or CD. (H=SACD, L=CD)
DALR	O	3.3v	For DSP Word clock. (CD mode: 44.1KHz, SACD mode: high state).
DACL	O	3.3v	For DSP CLK. (CD=2.1168MHz, SACD=2.8224MHz).
DARD	O	3.3v	For DAC SACD R.Ch DATA Signal.
DAPC	O	3.3v	For DAC SACD L. Ch DATA Signal or DSP PCM DATA:16bit DATA Output.
SYCL	O	3.3v	For DSP and DAC System clock. (384fs Output).

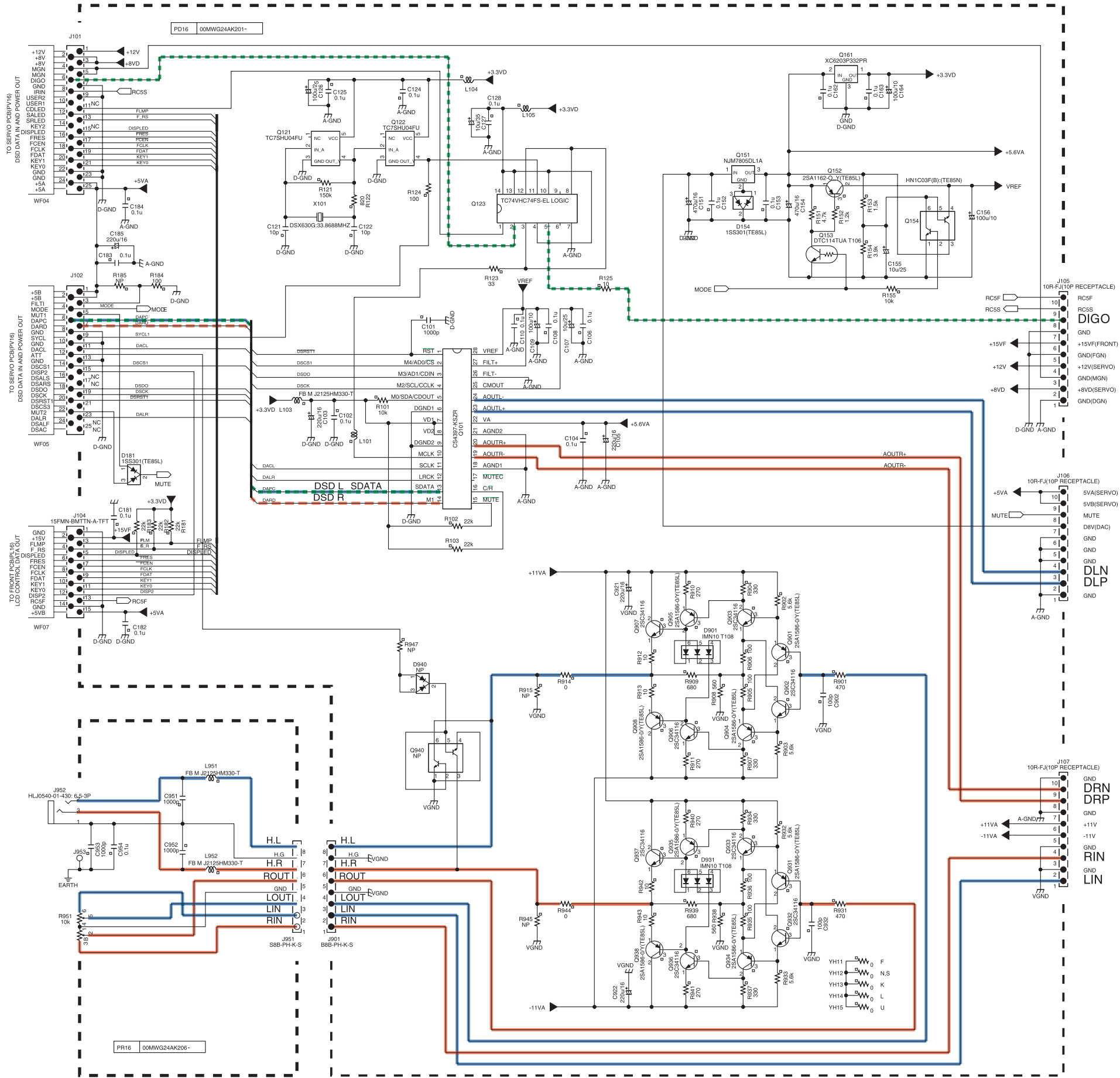
8. SCHEMATIC DIAGRAM



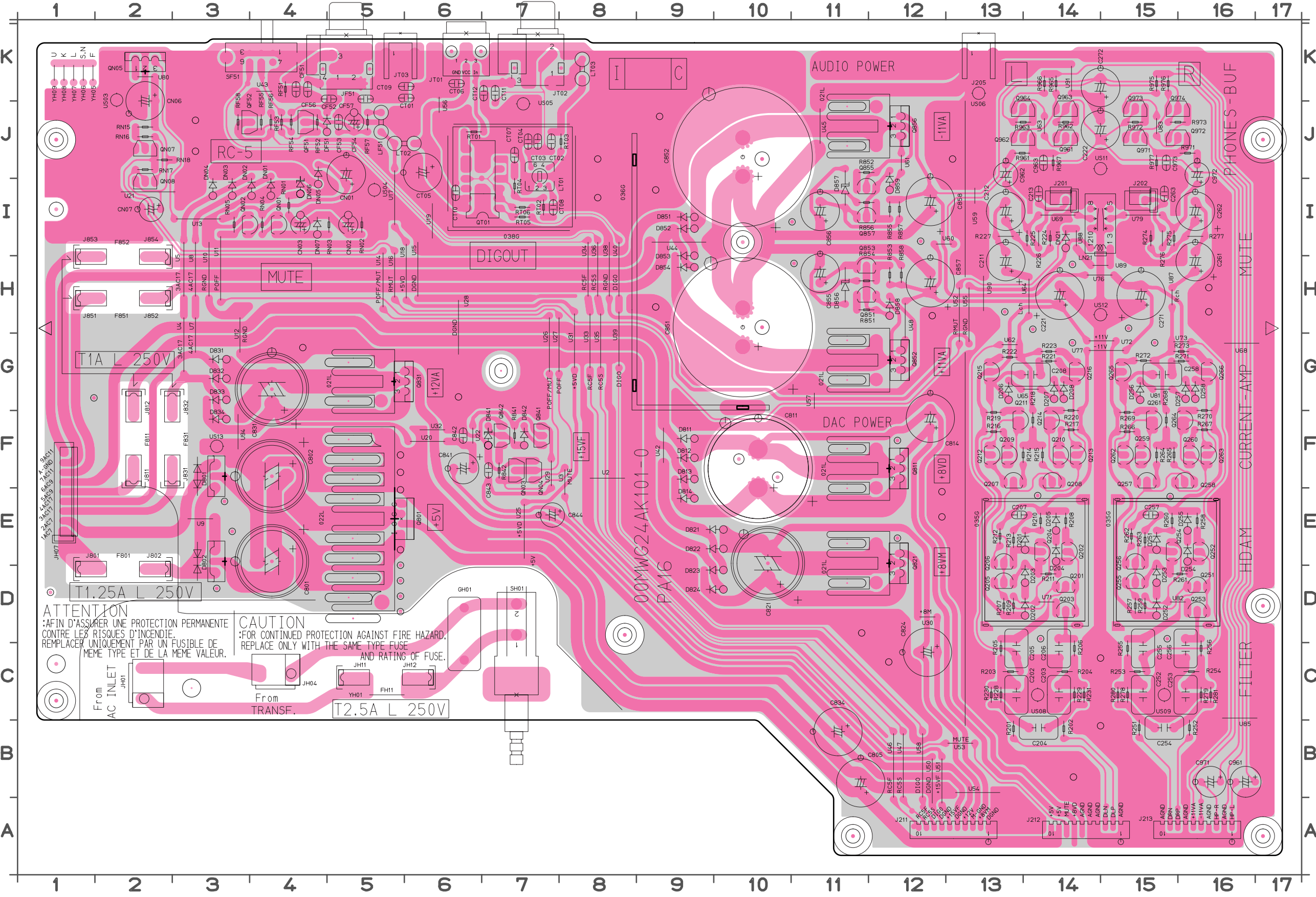
PA16 PCB



PD16 PCB



9. PARTS LOCATION
PA16 PCB



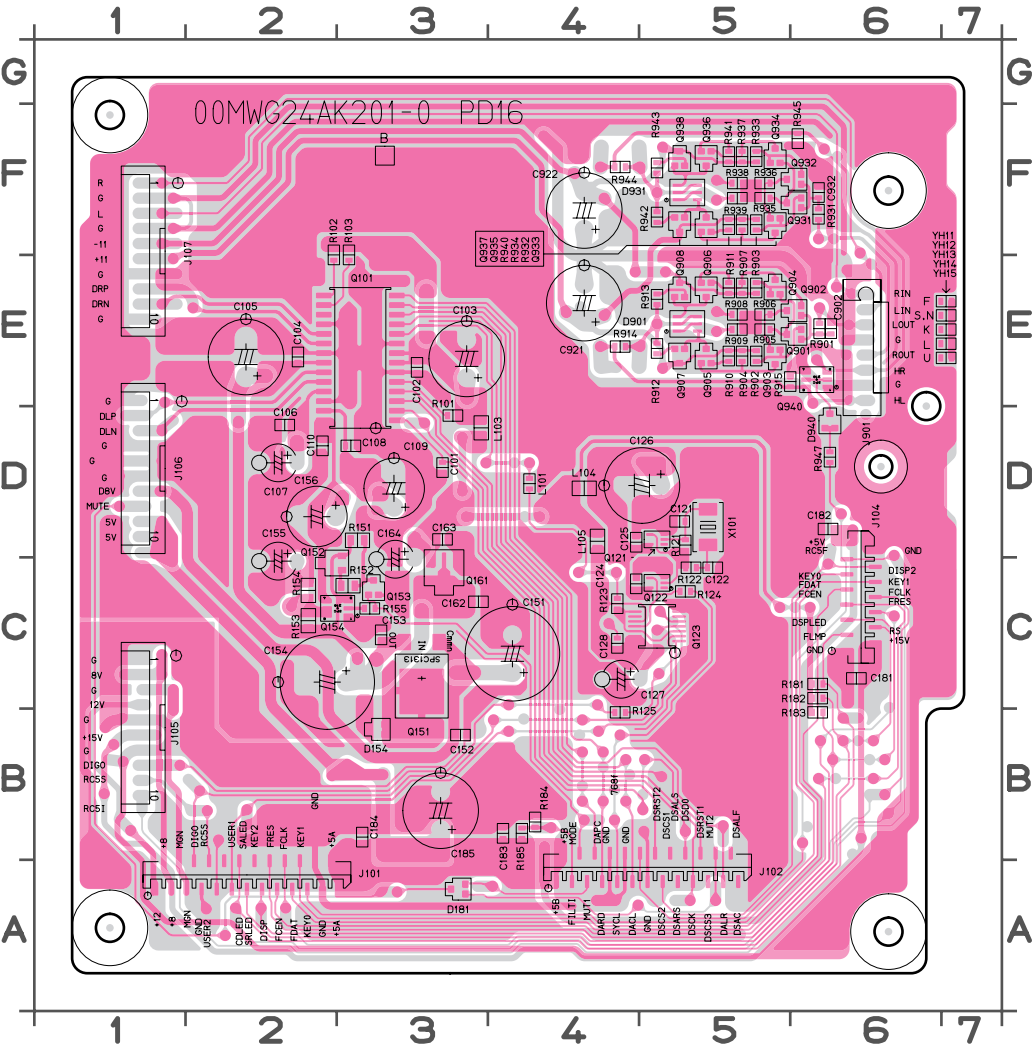
C202	C13
C203	C14
C204	B14
C205	C13
C206	C14
C207	E13
C208	G13
C211	H13
C212	I13
C213	I14
C221	H14
C222	J15
C252	C15
C253	C16
C254	B15
C255	C15
C256	C16
C257	E15
C258	G15
C261	H16
C262	I16
C263	I15
C271	H15
C272	K15
C801	E4
C802	F4
C805	B11
C811	F10
C814	F12
C821	D10
C824	C12
C831	G4
C834	B11
C841	F6
C842	F6
C843	F7
C844	E8
C851	G10
C852	J10
C855	H11
C856	I11
C857	H12
C858	I12
C961	B17
C962	I13
C963	J14
C971	B16
C972	I16
C973	J15
CF51	K4
CF52	K4
CF53	J5
CF54	J5
CF56	K4
CF57	K5

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).

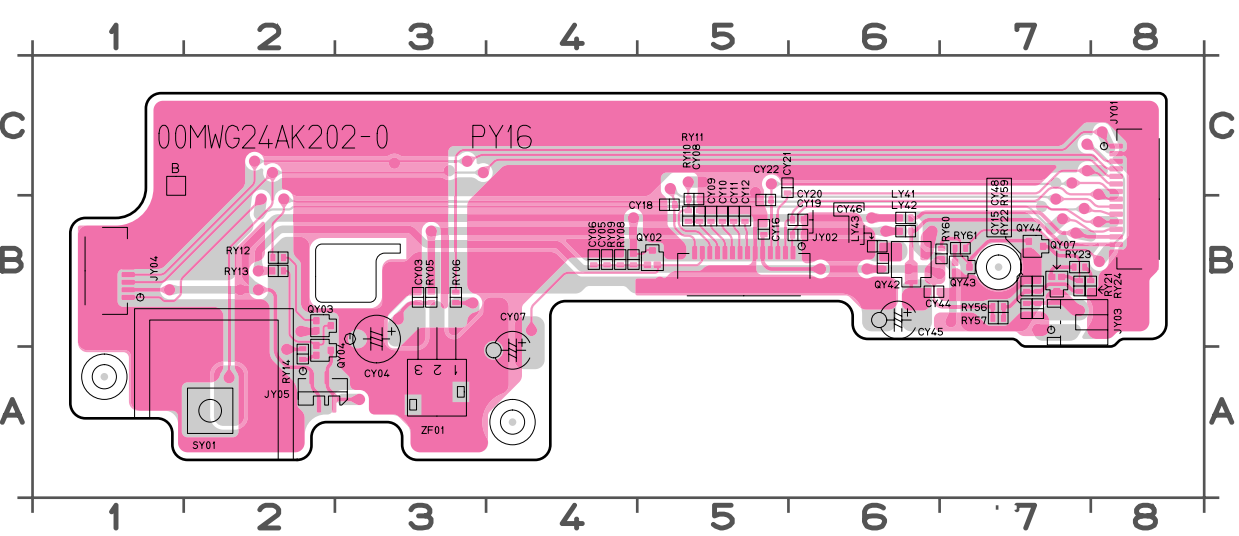
CN01	I5	D858	H12	Q214	F14	R207	D13	R281	C16	U17	J5	U77	G14
CN02	I5	D859	I12	Q215	G13	R208	E14	R841	F7	U18	I6	U79	I15
CN03	I4	DF51	J5	Q216	G14	R209	D13	R842	F7	U19	I6	U8	I3
CN06	K2	DN01	I4	Q251	D16	R210	E14	R851	H11	U2	F8	U80	K2
CN07	I2	DN02	I4	Q252	E16	R211	D14	R852	J11	U20	F6	U81	G15
CT01	K6	DN03	I3	Q253	D16	R212	E13	R853	H12	U21	I2	U82	D15
CT02	J7	DN04	I3	Q254	E15	R213	E13	R854	H12	U22	F6	U83	J15
CT03	J7	DN05	I4	Q255	D15	R214	F14	R855	I12	U25	E7	U85	C16
CT04	J7	DN06	I4	Q256	E15	R215	F14	R856	I11	U26	G7	U87	H15
CT05	J6	DN07	I4	Q257	F15	R216	F13	R857	I12	U27	G8	U88	I14
CT06	K6	DN21	I14	Q258	F16	R217	F14	R858	H12	U28	G6	U89	H14
CT07	J7	GH01	C6	Q259	F15	R218	G14	R961	J13	U29	F7	U9	E3
CT08	I7	J201	I14	Q260	F16	R219	F13	R962	J14	U3	E8	U90	H13
CT09	K6	J202	I15	Q261	F15	R220	G14	R963	J13	U30	D12	U91	K14
CT10	I6	J205	K13	Q262	F15	R221	G14	R965	K14	U31	G8	U94	F3
CT11	K7	J211	A13	Q263	F16	R222	G13	R966	K14	U32	F6	US03	J2
CT12	K7	J212	A15	Q264	F16	R223	G14	R967	J14	U33	H8	US04	I5
D201	E14	J213	A16	Q265	G15	R224	I14	R971	J16	U34	I8	US05	J7
D202	D14	J801	D1	Q266	G16	R225	I14	R972	J15	U35	H8	US06	K13
D203	D14	J802	D2	Q801	E5	R226	I14	R973	J15	U36	I8	US08	C14
D204	E14	J811	F2	Q811	F12	R227	I13	R975	K15	U38	I8	US09	C15
D205	E14	J812	G2	Q821	E12	R228	C13	R976	K15	U39	H8	US11	J14
D206	G13	J831	F3	Q831	G6	R229	C14	R977	J15	U4	H3	US12	H14
D207	G14	J832	G3	Q841	F7	R230	C13	RF51	K4	U40	I8	US13	F3
D208	G14	J851	H1	Q842	F7	R231	C14	RF52	J4	U42	F9	YH01	C5
D251	E15	J852	H2	Q851	H11	R251	B15	RF53	J4	U43	K4	YH05	K1
D252	D15	J853	H1	Q852	G12	R252	B16	RF54	J4	U44	I9	YH06	K1
D253	D15	J854	H2	Q853	H11	R253	C15	RF55	J4	U45	J11	YH07	K1
D254	E16	JF51	K5	Q855	I11	R254	C16	RF56	J4	U46	A12	YH08	K1
D255	E16	JH01	C2	Q856	J12	R255	C15	RF57	J5	U47	A12	YH09	K1
D256	G15	JH04	C4	Q857	I11	R256	C16	RF58	J3	U48	G12		
D257	G16	JH07	E1	Q961	J14	R257	D15	RN01	I4	U5	I3		
D258	G16	JH11	C5	Q962	J14	R258	E16	RN02	I5	U50	A12		
D801	F3	JH12	C6	Q963	J14	R259	D15	RN03	I5	U51	A12		
D802	E3	JT01	K6	Q964	J14	R260	E15	RN04	I4	U52	G13		
D811	F9	JT02	K7	Q971	J15	R261	D15	RN05	I3	U53	B13		
D812	F9	JT03	K5	Q972	J16	R262	E15	RN15	J2	U54	B13		
D813	F9	LF51	J5	Q973	J15	R263	E15	RN16	J2	U55	G13		
D814	E9	LN21	I15	Q974	J16	R264	F15	RN17	J2	U56	J6		
D821	E10	LT01	J7	QF51	J4	R265	F15	RN18	J3	U57	G11		
D822	E10	LT02	J5	QF52	J4	R266	F15	RT01	J6	U58	A12		
D823	D10	LT03	K8	QN01	I4	R267	F16	RT02	I7	U59	I13		
D824	D10	Q201	D14	QN02	I3	R268	G15	RT03	J8	U60	I12		
D831	G3	Q202	E14	QN03	F7	R269	F15	RT04	J7	U61	J12		
D832	G3	Q203	D14	QN04	F7	R270	G16	RT05	I7	U62	G13		
D833	G3	Q204	E14	QN05	K2	R271	G15	RT06	I7	U63	J14		
D834	F3	Q205	D13	QN07	J2	R272	G15	SF51	K4	U64	H14		
D841	F7	Q206	E13	QN08	I2	R273	G15	SH01	C7	U65	G13		
D842	F7	Q207	F13	QT01	I7	R274	I15	U10	I3	U68	G16		
D851	I9	Q208	F14	R201	B13	R275	I15	U11	I3	U69	I14		
D852	I9	Q209	F13	R202	B14	R276	I15	U12	G3	U7	H3		
D853	I9	Q210	F14	R203	C13	R277	I16	U13	I3	U71	D14		
D854	H9	Q211	F13	R204	C14	R278	C15	U14	I5	U72	G14		
D856	H11	Q212	F13	R205	C13	R279	C16	U15	H6	U73	G15		
D857	I11	Q213	F14	R206	C14	R280	C15	U16	I5	U76	H14		

PD16 PCB

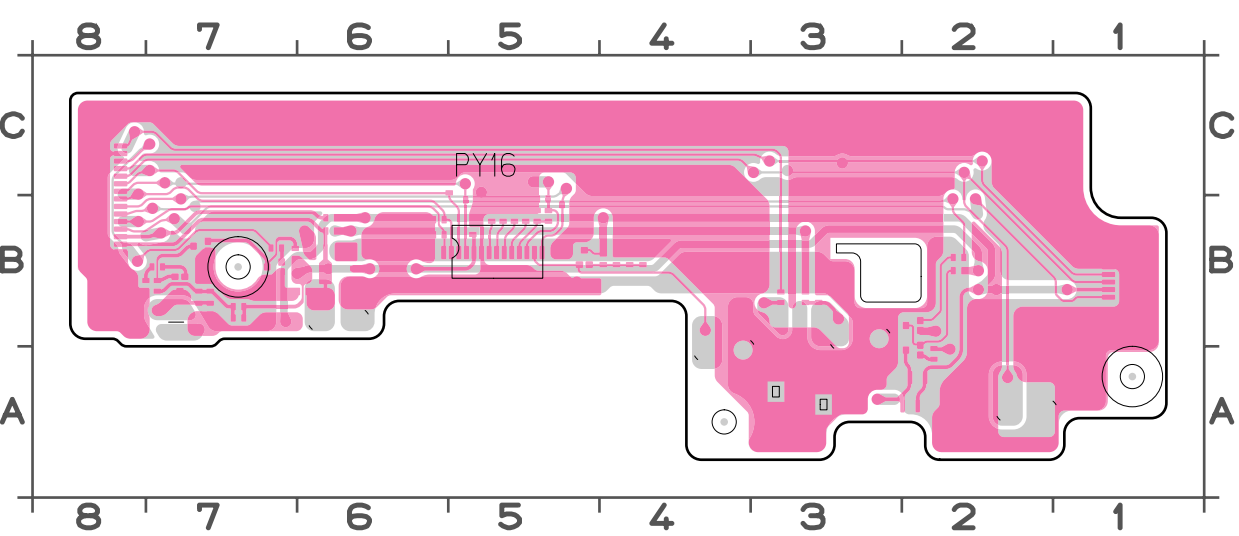


C101	D3	C164	C3	L105	D4	Q938	F5	R906	E5	R947	D6
C102	E3	C181	C6	Q101	E3	Q940	E6	R907	E5	X101	D5
C103	E3	C182	D6	Q121	D5	R101	D3	R908	E5	YH11	E7
C104	E2	C183	B4	Q122	C5	R102	F2	R909	E5	YH12	E7
C105	E2	C184	B3	Q123	C5	R103	F3	R910	E5	YH13	E7
C106	D2	C185	B3	Q151	C3	R121	D5	R911	E5	YH14	E7
C107	D2	C902	E6	Q152	C2	R122	C5	R912	E5	YH15	E7
C108	D3	C921	E4	Q153	C3	R123	C4	R913	E5		
C109	D3	C922	F4	Q154	C3	R124	C5	R914	E4		
C110	D2	C932	F6	Q161	C3	R125	B4	R915	E6		
C121	D5	D154	B3	Q901	E6	R151	D3	R931	F6		
C122	C5	D181	A3	Q902	E6	R152	C3	R932	F5		
C124	C4	D901	E5	Q903	E5	R153	C2	R933	F5		
C125	D4	D931	F5	Q904	E5	R154	C2	R934	F5		
C126	D5	D940	D6	Q905	E5	R155	C3	R935	F5		
C127	C5	J101	A2	Q906	E5	R181	C6	R936	F5		
C128	C4	J102	A5	Q907	E5	R182	C6	R937	F5		
C151	C4	J104	C6	Q908	E5	R183	B6	R938	F5		
C152	B3	J105	C1	Q931	F6	R184	B4	R939	F5		
C153	C3	J106	E1	Q932	F6	R185	B4	R940	F5		
C154	C3	J107	F1	Q933	F5	R901	E6	R941	F5		
C155	C2	J901	E6	Q934	F5	R902	E5	R942	F5		
C156	D2	L101	D4	Q935	F5	R903	E5	R943	F5		
C162	C3	L103	D3	Q936	F5	R904	E5	R944	F4		
C163	D3	L104	D4	Q937	F5	R905	E5	R945	F6		

PY16 A PCB



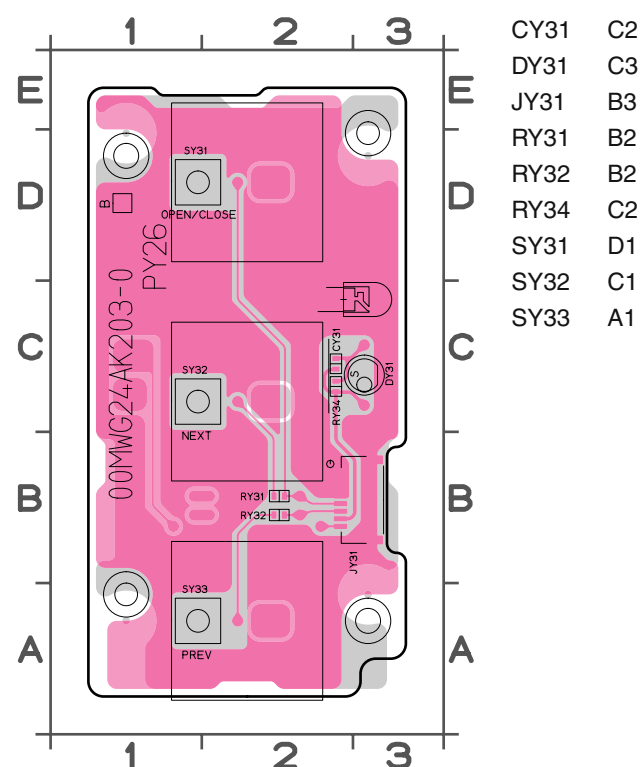
PY16 B PCB



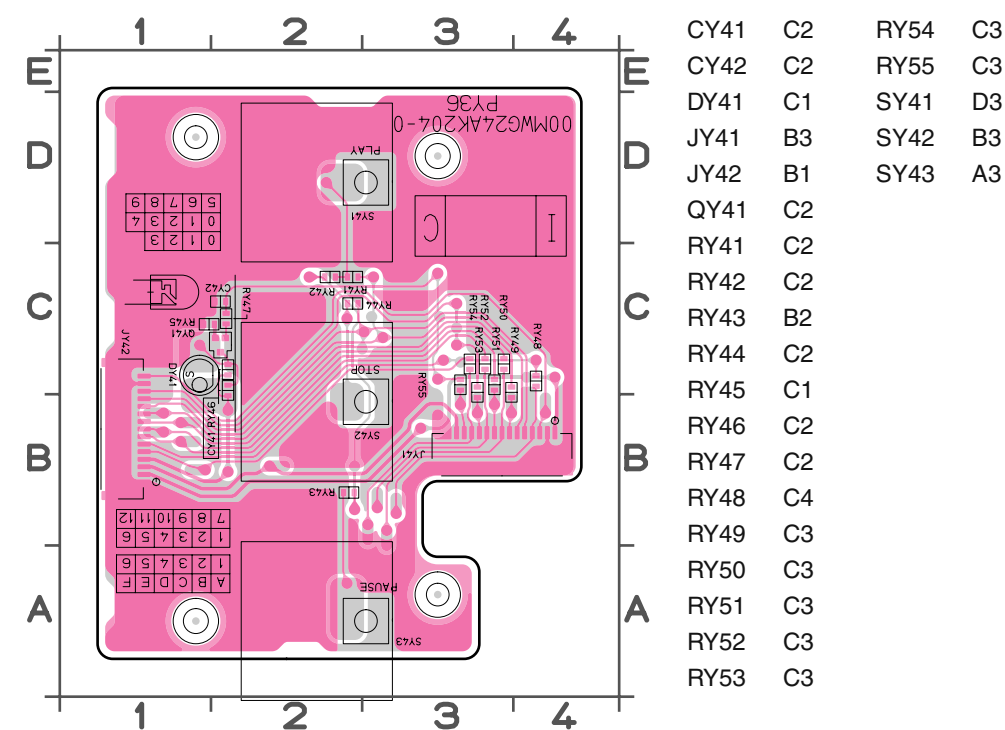
CY03	B3	CY46	B6	RY08	B4
CY04	B3	CY48	B7	RY09	B4
CY05	B4	JY01	B8	RY10	B5
CY06	B4	JY02	B5	RY11	B5
CY07	A4	JY03	B7	RY12	B2
CY08	B5	JY04	B1	RY13	B2
CY09	B5	JY05	A2	RY14	A2
CY10	B5	LY41	B6	RY21	B7
CY11	B5	LY42	B6	RY22	B7
CY12	B5	LY43	B6	RY23	B7
CY15	B7	QY02	B5	RY24	B8
CY16	B5	QY03	B2	RY56	B7
CY18	B5	QY04	A2	RY57	B7
CY19	B6	QY07	B7	RY59	B7
CY20	B6	QY42	B6	RY60	B7
CY21	C5	QY43	B7	RY61	B7
CY22	B5	QY44	B7	SY01	A2
CY44	B6	RY05	B3	ZF01	A3
CY45	B6	RY06	B3		

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).

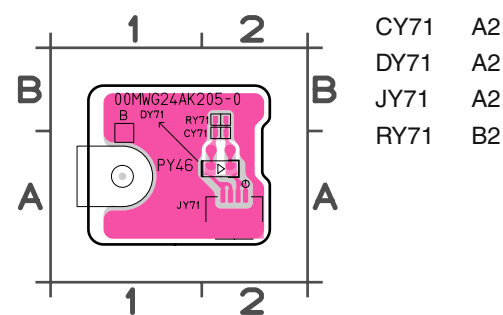
PY26 PCB



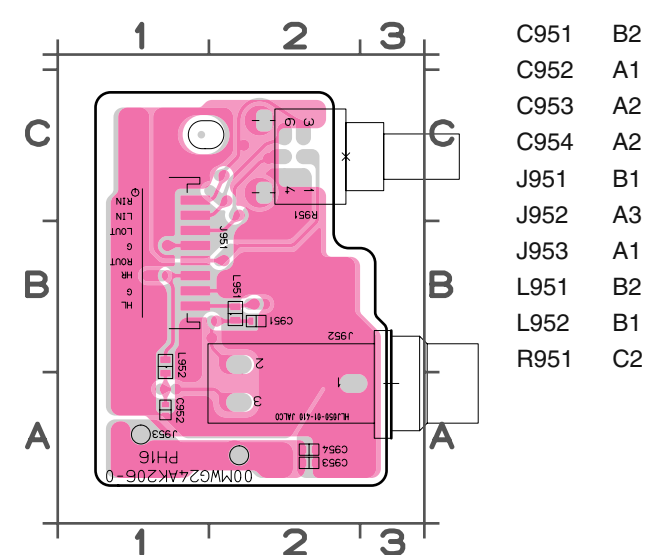
PY36 PCB



PY46 PCB



PH16 PCB



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).

1-25



PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJ)	PART NAME	DESCRIPTION
	001B	/F N	nsp	99M24AK248410	PANEL ASSY	FRONT PANEL AL ASSY GL
	001B	/K1G	nsp	99M24AK248410	PANEL ASSY	FRONT PANEL AL ASSY GL
	001B	/L1G	nsp	99M24AK248410	PANEL ASSY	FRONT PANEL AL ASSY GL
	001B	/N1G	99M24AK248410	99M24AK248410	PANEL ASSY	FRONT PANEL AL ASSY GL
	001B	/N1S	99M24AK248420	99M24AK248420	PANEL ASSY	FRONT PANEL AL ASSY SL
	001B	/S1G	nsp	99M24AK248410	PANEL ASSY	FRONT PANEL AL ASSY GL
	010B		00M256J355030	00M256J355030	LENS	IR LENS (MD)
	015B	/F N	nsp	00M18AK259110	BUSHING	BUSH SOUND BUTTON GL
	015B	/K1G	nsp	00M18AK259110	BUSHING	BUSH SOUND BUTTON GL
	015B	/L1G	nsp	00M18AK259110	BUSHING	BUSH SOUND BUTTON GL
	015B	/N1G	00M18AK259110	00M18AK259110	BUSHING	BUSH SOUND BUTTON GL
	015B	/N1S	00M18AK259120	00M18AK259120	BUSHING	BUSH SOUND BUTTON SL
	015B	/S1G	nsp	00M18AK259110	BUSHING	BUSH SOUND BUTTON GL
	020B	/F N	nsp	00M18AK105130	CHASSIS	CHASSIS FRONT MOLD GL
	020B	/K1G	nsp	00M18AK105130	CHASSIS	CHASSIS FRONT MOLD GL
	020B	/L1G	nsp	00M18AK105130	CHASSIS	CHASSIS FRONT MOLD GL
	020B	/N1G	00M18AK105130	00M18AK105130	CHASSIS	CHASSIS FRONT MOLD GL
	020B	/N1S	00M18AK105230	00M18AK105230	CHASSIS	CHASSIS FRONT MOLD SL
	020B	/S1G	nsp	00M18AK105130	CHASSIS	CHASSIS FRONT MOLD GL
	025B	/F N	nsp	00M18AK158010	WINDOW	WINDOW GL/SL
	025B	/K1G	nsp	00M18AK158010	WINDOW	WINDOW GL/SL
	025B	/L1G	nsp	00M18AK158010	WINDOW	WINDOW GL/SL
	025B	/N1G	00M18AK158010	00M18AK158010	WINDOW	WINDOW GL/SL
	025B	/N1S	00M18AK158010	00M18AK158010	WINDOW	WINDOW GL/SL
	025B	/S1G	nsp	00M18AK158010	WINDOW	WINDOW GL/SL
	058B	/F N	nsp	00M18AK270120	BUTTON	BUTTON SOUND GL
	058B	/K1G	nsp	00M18AK270120	BUTTON	BUTTON SOUND GL
	058B	/L1G	nsp	00M18AK270120	BUTTON	BUTTON SOUND GL
	058B	/N1G	00M18AK270120	00M18AK270120	BUTTON	BUTTON SOUND GL
	058B	/N1S	00M18AK270220	00M18AK270220	BUTTON	BUTTON SOUND SL
	058B	/S1G	nsp	00M18AK270120	BUTTON	BUTTON SOUND GL
	075B		00M18AK355010	00M18AK355010	LENS	LENS SIDE
	085B	/F N	nsp	00M04AJ259210	BUSHING	BUSH FOR FUNCTION BUTTONS GL
	085B	/K1G	nsp	00M04AJ259210	BUSHING	BUSH FOR FUNCTION BUTTONS GL
	085B	/L1G	nsp	00M04AJ259210	BUSHING	BUSH FOR FUNCTION BUTTONS GL
	085B	/N1G	00M04AJ259210	00M04AJ259210	BUSHING	BUSH FOR FUNCTION BUTTONS GL
	085B	/N1S	00M04AJ259110	00M04AJ259110	BUSHING	BUSH FOR FUNCTION BUTTONS SL
	085B	/S1G	nsp	00M04AJ259210	BUSHING	BUSH FOR FUNCTION BUTTONS GL
	088B	/F N	nsp	00M04AJ270130	BUTTON	FUNCTION BUTTONS GL
	088B	/K1G	nsp	00M04AJ270130	BUTTON	FUNCTION BUTTONS GL
	088B	/L1G	nsp	00M04AJ270130	BUTTON	FUNCTION BUTTONS GL
	088B	/N1G	00M04AJ270130	00M04AJ270130	BUTTON	FUNCTION BUTTONS GL
	088B	/N1S	00M04AJ270230	00M04AJ270230	BUTTON	FUNCTION BUTTONS SL
	088B	/S1G	nsp	00M04AJ270130	BUTTON	FUNCTION BUTTONS GL
	090B	/F N	nsp	00M18AK063110	ESCUTCHEON	ESCUTCHEON AL L SIDE GL
	090B	/K1G	nsp	00M18AK063110	ESCUTCHEON	ESCUTCHEON AL L SIDE GL
	090B	/L1G	nsp	00M18AK063110	ESCUTCHEON	ESCUTCHEON AL L SIDE GL
	090B	/N1G	00M18AK063110	00M18AK063110	ESCUTCHEON	ESCUTCHEON AL L SIDE GL
	090B	/N1S	00M18AK063210	00M18AK063210	ESCUTCHEON	ESCUTCHEON AL L SIDE SL
	090B	/S1G	nsp	00M18AK063110	ESCUTCHEON	ESCUTCHEON AL L SIDE GL
	093B	/F N	nsp	00M18AK063120	ESCUTCHEON	ESCUTCHEON AL R SIDE GL
	093B	/K1G	nsp	00M18AK063120	ESCUTCHEON	ESCUTCHEON AL R SIDE GL
	093B	/L1G	nsp	00M18AK063120	ESCUTCHEON	ESCUTCHEON AL R SIDE GL
	093B	/N1G	00M18AK063120	00M18AK063120	ESCUTCHEON	ESCUTCHEON AL R SIDE GL
	093B	/N1S	00M18AK063220	00M18AK063220	ESCUTCHEON	ESCUTCHEON AL R SIDE SL
	093B	/S1G	nsp	00M18AK063120	ESCUTCHEON	ESCUTCHEON AL R SIDE GL
	110B		00M18AK121010	00M18AK121010	LINK	LINK POWER
	111B		00M18AK112010	00M18AK112010	SHAFT	SHAFT POWER
	112B	/F N	nsp	00M18AK270110	BUTTON	BUTTON POWER GL
	112B	/K1G	nsp	00M18AK270110	BUTTON	BUTTON POWER GL
	112B	/L1G	nsp	00M18AK270110	BUTTON	BUTTON POWER GL
	112B	/N1G	00M18AK270110	00M18AK270110	BUTTON	BUTTON POWER GL
	112B	/N1S	00M18AK270210	00M18AK270210	BUTTON	BUTTON POWER SL
	112B	/S1G	nsp	00M18AK270110	BUTTON	BUTTON POWER GL
	150B	/F N	nsp	00M18AK063130	ESCUTCHEON	ESCUTCHEON TRAY GL MZ378
	150B	/K1G	nsp	00M18AK063130	ESCUTCHEON	ESCUTCHEON TRAY GL MZ378
	150B	/L1G	nsp	00M18AK063130	ESCUTCHEON	ESCUTCHEON TRAY GL MZ378

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

PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJ)	PART NAME	DESCRIPTION
	150B	/N1G	00M18AK063130	00M18AK063130	ESCUTCHEON	ESCUTCHEON TRAY GL MZ378
	150B	/N1S	00M18AK063230	00M18AK063230	ESCUTCHEON	ESCUTCHEON TRAY SL
	150B	/S1G	nsp	00M18AK063130	ESCUTCHEON	ESCUTCHEON TRAY GL MZ378
	151B	/F N	nsp	00M392K063160	ESCUTCHEON	ESCUTCHEON SACD MOLD GL
	151B	/K1G	nsp	00M392K063160	ESCUTCHEON	ESCUTCHEON SACD MOLD GL
	151B	/L1G	nsp	00M392K063160	ESCUTCHEON	ESCUTCHEON SACD MOLD GL
	151B	/N1G	00M392K063160	00M392K063160	ESCUTCHEON	ESCUTCHEON SACD MOLD GL
	151B	/N1S	00M392K063260	00M392K063260	ESCUTCHEON	ESCUTCHEON SACD MOLD SL
	151B	/S1G	nsp	00M392K063160	ESCUTCHEON	ESCUTCHEON SACD MOLD GL
	001D	/F N	nsp	00M18AK249110	SIDE PANEL	SIDE PANEL AL GL
	001D	/K1G	nsp	00M18AK249110	SIDE PANEL	SIDE PANEL AL GL
	001D	/L1G	nsp	00M18AK249110	SIDE PANEL	SIDE PANEL AL GL
	001D	/N1G	00M18AK249110	00M18AK249110	SIDE PANEL	SIDE PANEL AL GL
	001D	/N1S	00M18AK249210	00M18AK249210	SIDE PANEL	SIDE PANEL AL SL
	001D	/S1G	nsp	00M18AK249110	SIDE PANEL	SIDE PANEL AL GL
	100D	/F N	nsp	00M18AK257520	LID	TOP COVER ASM GL
	100D	/K1G	nsp	00M18AK257520	LID	TOP COVER ASM GL
	100D	/L1G	nsp	00M18AK257520	LID	TOP COVER ASM GL
	100D	/N1G	00M18AK257520	00M18AK257520	LID	TOP COVER ASM GL
	100D	/N1S	00M18AK257530	00M18AK257530	LID	TOP COVER ASM SL
	100D	/S1G	nsp	00M18AK257520	LID	TOP COVER ASM GL
	005G	/F N	nsp	00M04AJ057510	LEG	LEG ASSY GL
	005G	/K1G	nsp	00M04AJ057510	LEG	LEG ASSY GL
	005G	/L1G	nsp	00M04AJ057510	LEG	LEG ASSY GL
	005G	/N1G	00M04AJ057510	00M04AJ057510	LEG	LEG ASSY GL
	005G	/N1S	00M04AJ057520	00M04AJ057520	LEG	LEG ASSY SL
	005G	/S1G	nsp	00M04AJ057510	LEG	LEG ASSY GL
	093G	/F N	nsp	00M10AJ154120	KNOB	KNOB HEAD PHONE AL CAP GL
	093G	/K1G	nsp	00M10AJ154120	KNOB	KNOB HEAD PHONE AL CAP GL
	093G	/L1G	nsp	00M10AJ154120	KNOB	KNOB HEAD PHONE AL CAP GL
	093G	/N1G	00M10AJ154120	00M10AJ154120	KNOB	KNOB HEAD PHONE AL CAP GL
	093G	/N1S	00M10AJ154220	00M10AJ154220	KNOB	KNOB HEAD PHONE AL CAP SL
	093G	/S1G	nsp	00M10AJ154120	KNOB	KNOB HEAD PHONE AL CAP GL
	001M		nsp	nsp	MECHANISM	SA-CD MECHA MODULE
	014M		00M21AK304020	00M21AK304020	MECHANISM	MECHA LOADER AND MECHA TRAVERSE
	1000		00M18AK271520	00M18AK271520	HOLDER	LCD UNIT KIT
	1002		00MHQ21202990	00MHQ21202990	DISPLAY	LCD WSTN NEGATIVE96X35 TRULY
	▲ J001		00MYJ04002550	00MYJ04002550	JACK	!AC INLET TYPE HF-301
	J203		00MYT02011290	00MYT02011290	TERMINAL	EW-2560T-LH-W
	J204		00MYT02011280	00MYT02011280	TERMINAL	EW-2560T-LH-R
	L001		00MFC50280040	00MFC50280040	FERRITE CORE	TRCN-28-16-20 KITAGAWA
	L011		00MFC90280010	00MFC90280010	FERRITE CORE	HF70SH28*2*10 FPC FERRITE CORE
	L012		00MFC90280010	00MFC90280010	FERRITE CORE	HF70SH28*2*10 FPC FERRITE CORE
	L013		00MFC50270040	00MFC50270040	FERRITE CORE	USB-4 SLEEVE FERRITE CLAMP
	L014		00MFC50160030	00MFC50160030	FERRITE CORE	FERRITE CORE TFCK-16-8-13
	▲ LH01	/F N	nsp	00MTS16679050	TRANSF.	# MAIN TRANSF.AC100V 50/60HZ EI66-30
	▲ LH01	/K1G	nsp	00MTS15743070	TRANSF.	# MAIN TRANSF. AC220V 50HZ
	▲ LH01	/L1G	nsp	00MTS15743050	TRANSF.	# MAIN TRANSF. AC110V 60HZ
	▲ LH01	/N1G	00MTS15743080	00MTS15743080	TRANSF.	# MAIN TRANSF. AC230V 50/60HZ
	▲ LH01	/N1S	00MTS15743080	00MTS15743080	TRANSF.	# MAIN TRANSF. AC230V 50/60HZ
	▲ LH01	/S1G	nsp	00MTS15743080	TRANSF.	# MAIN TRANSF. AC230V 50/60HZ
	W103		nsp	00MYU15100520	FPC	SMCD-15X100-BDX6-P1.0-S4
	WY01		nsp	00MYU15100520	FPC	SMCD-15X100-BDX6-P1.0-S4
	WY02		nsp	00MYU04060520	FPC	2MCD-04X60-BDX6(BL)-P1.0-S4.0
	WY03		nsp	00MYU08060520	FPC	SMCD-8X60.0-BDX6-P1.0-S4
PACKING						
	005T	/F N	nsp	00M24AK851110	USER GUIDE	USER GUIDE SA-15S1 (F)
	005T	/K1G	nsp	00M24AK851350	USER GUIDE	USER GUIDE SA-15S1 (S L)
	005T	/L1G	nsp	00M24AK851350	USER GUIDE	USER GUIDE SA-15S1 (S L)
	005T	/N1G	00M24AK851310	00M24AK851310	USER GUIDE	USER GUIDE SA-15S1 (N)
	005T	/N1S	00M24AK851310	00M24AK851310	USER GUIDE	USER GUIDE SA-15S1 (N)
	005T	/S1G	nsp	00M24AK851350	USER GUIDE	USER GUIDE SA-15S1 (S L)
	T100		00MZX18AK0010	00MZX18AK0010	UNIT KIT	REMOTE CONTROLLER RC11SA
	▲ W001	/F N	nsp	00MZX01802080	MAINS CORD	# MAINS CORD MITY DC-302-J 125V 12A
	▲ W001	/K1G	nsp	00MZX01808030	MAINS CORD	# MAINS CORD CHINA 250V 10A
	▲ W001	/L1G	nsp	00MZX01807030	MAINS CORD	# MAINS CORD TAIWAN 10A 125V
	▲ W001	/N1G	00MZX01803080	00MZX01803080	MAINS CORD	# 2P MAINS CORD 10A 250V CLASS2

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

PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
	▲ W001	/N1S	00MZC01803080	00MZC01803080	MAINS CORD	# 2P MAINS CORD 10A 250V CLASS2
	▲ W001	/S1G	nsp	00MZC01804100	MAINS CORD	# AC 250V 10A FOR UK
NOT STANDARD SPARE PARTS						
	005S		nsp	00M18AK809010	CUSHION	CUSHION FOR SET
	010S		nsp	00M24AK801010	PACKING CASE	PACKING CASE SA-15S1
	020S	/N1G	nsp	00M24AK805010	MASS CARTON	MASTER CARTON SA-15S1
	020S	/N1S	nsp	00M24AK805010	MASS CARTON	MASTER CARTON SA-15S1
	J051		nsp	00MZD00900100	CONN. CORD	CINCH RC-5 CORD 0.9M
	J082		nsp	00D2048121004	CONN. CORD	2P PIN CORD

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

11. IC DATA

Q101 : CS4397

PCM MODE

Reset	RST	1	28	VREF	Voltage Reference
See Description	M4(AD0/CS)	2	27	FILT+	Reference Filter
See Description	M3(AD1/CDIN)	3	26	FILT-	Reference Ground
See Description	M2(SCL/CCLK)	4	25	CMOUT	Common ModeS Voltage
See Description	M0(SDA/CDOUT)	5	24	AOUTL-	Differential Output
Digital Ground	DGND	6	23	AOUTL+	Differential Output
Digital Power	VD	7	22	VA	Analog Power
Digital Power	VD	8	21	AGND	Analog Ground
Digital Ground	DGND	9	20	AOUTR+	Differential Output
Master Clock	MCLK	10	19	AOUTR-	Differential Output
Serial Clock	SCLK	11	18	AGND	Analog Ground
Left/Right Clock	LRCK	12	17	MUTEC	Mute Control
Serial Data	SDATA	13	16	C/H	Control port/Hardware select
See Description	M1	14	15	MUTE	Soft Mute

Reset - RST

Pin 1, Input

Function:

The device enters a low power mode and all internal state machines registers are reset when low. When high, the device will be in a normal operation mode .

RST	DESCRIPTION
0	Enabled
1	Normal operation mode

Digital Ground - DGND

Pins 6 and 9, Inputs

Function:

Digital ground reference.

Digital Power - VD

Pins 7 and 8, Input

Function:

Digital power supply. Typically 5.0 to 3.0 VDC.

Master Clock - MCLK

Pin 10, Input

Function:

The master clock frequency must be either 256x, 384x, 512x or 768x the input sample rate in Single Speed Mode; either 128x, 192x 256x or 384x the input sample rate in Double Speed Mode; or 64x, 96x 128x or 192x the input sample rate in Quad Speed Mode. Tables 4-6 illustrate the standard audio sample rates and the required master clock frequencies.

Sample Rate (kHz)	MCLK (MHz)			
	256x	384x	512x	768x
32	8.1920	12.2880	16.3840	24.5760
44.1	11.2896	16.9344	22.5792	33.8688
48	12.2880	18.4320	24.5760	36.8640

Table 4. Single Speed (16 to 50 kHz sample rates) Common Clock Frequencies

Serial Clock - SCLK

Pin 11, Input

Function:

Clocks individual bits of serial data into the SDATA pin. The required relationship between the Left/Right clock, serial clock and serial data is defined by either the Mode Control Byte in Control Port Mode or the M0 - M4 pins in Hardware Mode. The options are detailed in Figures 29-33

Left/Right Clock - LRCK

Pin 12, Input

Function:

The Left/Right clock determines which channel is currently being input on the serial audio data input, SDATA. The frequency of the Left/Right clock must be at the input sample rate. Audio samples in Left/Right sample pairs will be simultaneously output from the digital-to-analog converter whereas Right/Left pairs will exhibit a one sample period difference. The required relationship between the Left/Right clock, serial clock and serial data is defined by the Mode Control Byte and the options are detailed in Figures 29-33

Serial Audio Data - SDATA

Pin 13, Input

Function:

Serial audio data is input on this pin. The selection of the Digital Interface Format is determined by settings of the Mode select as detailed in Figures 29-33. The data is clocked into SDATA via the serial clock and the channel is determined by the Left/Right clock. The required relationship between the Left/Right clock, serial clock and serial data is defined by the Mode Control Byte and the options are detailed in Figures 29-33

Soft Mute - MUTE

Pin 15, Input

Function:

The analog outputs will ramp to a muted state when enabled. The ramp requires 1152 left/right clock cycles in Single Speed, 2304 cycles in Double Speed and 4608 cycles in Quad Speed mode. The bias voltage on the outputs will be retained and MUTEC will go active at the completion of the ramp period.

The analog outputs will ramp to a normal state when this function transitions from the enabled to disabled state. The ramp requires 1152 left/right clock cycles in Single Speed, 2304 cycles in Double Speed and 4608 cycles in Quad Speed mode. The MUTEC will release immediately on setting MUTE = 1. The converter analog outputs will mute when enabled. The bias voltage on the outputs will be retained and MUTEC will go active during the mute period.

Mute	DESCRIPTION
0	Enabled
1	Normal operation mode

Q101 : CS4397

Control Port / Hardware Mode Select - C/H

Pin 16, Input

Function:

Determines if the device will operate in either the Hardware Mode or Control Port Mode.

C/H	DESCRIPTION
0	Hardware Mode Enabled
1	Control Port Mode Enabled

Mute Control - MUTE_C

Pin 17, Output

Function:

The Mute Control pin goes low during power-up initialization, reset, muting, master clock to left/right clock frequency ratio is incorrect or power-down. This pin is intended to be used as a control for an external mute circuit to prevent the clicks and pops that can occur in any single supply system. Use of Mute Control is not mandatory but recommended for designs requiring the absolute minimum in extraneous clicks and pops.

Analog Ground - AGND

Pins 18 and 21, Inputs

Function:

Analog ground reference.

Differential Analog Output - AOUT_R⁻, AOUT_R⁺ and AOUT_L⁻, AOUT_L⁺

Pins 19, 20, 23 and 24, Outputs

Function:

The full scale differential analog output level is specified in the Analog Characteristics specifications table.

Analog Power - V_A

Pin 22, Input

Function:

Power for the analog and reference circuits. Typically 5VDC.

Common Mode Voltage - CMOUT

Pin 25, Output Function:

Filter connection for internal bias voltage, typically 50% of VREF. Capacitors must be connected from CMOUT to analog ground, as shown in Figure 6. CMOUT has a typical source impedance of 25 kΩ and any current drawn from this pin will alter device performance

Reference Ground - F_{ILT}⁻

Pin 26, Input Function:

Ground reference for the internal sampling circuits. Must be connected to analog ground.

Reference Filter - F_{ILT}⁺

Pin 27, Output Function:

Positive reference for internal sampling circuits. External capacitors are required from F_{ILT}⁺ to analog ground, as shown in Figure 6. F_{ILT}⁺ is not intended to supply external current.

Voltage Reference Input- VREF

Pin 28, Input Function:

Analog voltage reference. Typically 5VDC.

HARDWARE MODE

Mode Select - M0, M1, M2, M3, M4

Pins 2, 3, 4, 5 and 14, Inputs Function:

The Mode Select pins determine the operational mode of the device as detailed in Tables 9-14. The options include; Selection of the Digital Interface Format which determines the required relationship between the Left/Right clock, serial clock and serial data as detailed in Figures 29-33 Selection of the standard 15 μs/50 μs digital de-emphasis filter response, Figure 28, which requires re-configuration of the digital filter to maintain the proper filter response for 32, 44.1 or 48 kHz sample rates. Selection of the appropriate clocking mode to match the input sample rates. Access to the Direct Stream Digital Mode Access to the 8x Interpolation Input Mode

CONTROL PORT MODE

Address Bit 0 / Chip Select - AD0 / CS

Pin 2, Input Function:

In I²C mode, AD0 is a chip address bit. CS is used to enable the control port interface in SPI mode. The device will enter the SPI mode at anytime a high to low transition is detected on this pin. Once the device has entered the SPI mode, it will remain until either the part is reset or undergoes a power-down cycle.

Address Bit 1 / Control Data Input - AD1/CDIN

Pin 3, Input Function:

In I²C mode, AD1 is a chip address bit. CDIN is the control data input line for the control port interface in SPI mode.

Serial Control Interface Clock - SCL/CCLK

Pin 4, Input Function:

In I²C mode, SCL clocks the serial control data into or from SDA/CDOUT.

In SPI mode, CCLK clocks the serial data into AD1/CDIN and out of SDA/CDOUT.

Serial Control Data I/O - SDA/CDOUT

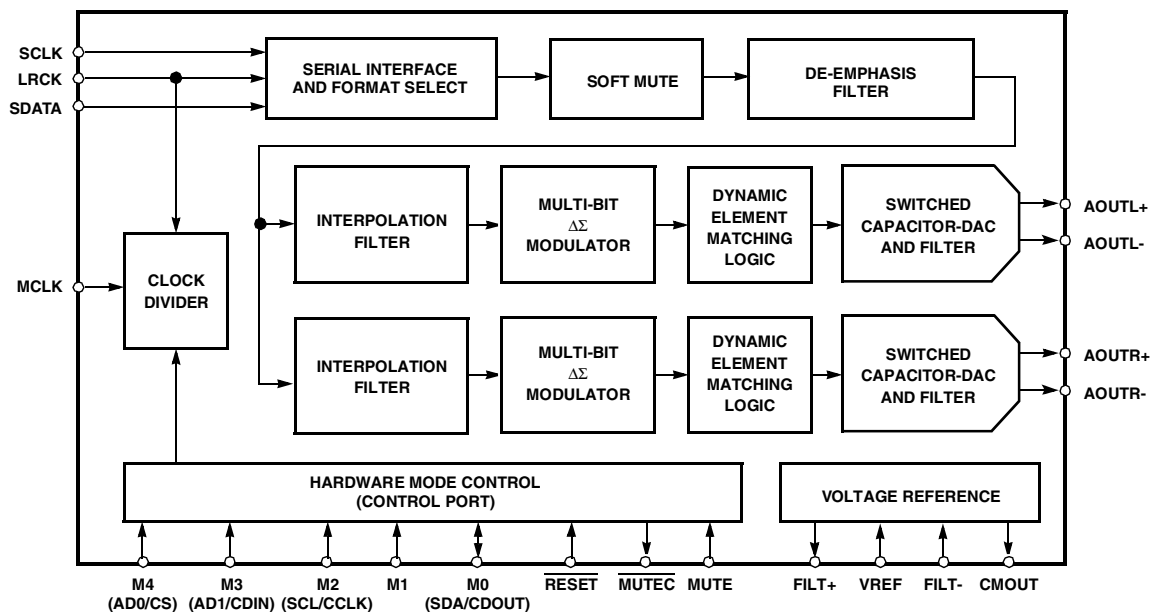
Pin 5, Input/Output Function:

In I²C mode, SDA is a data input/output. CDOUT is the control data output for the control port interface in SPI mode.

M1 - Mode Select

Pin 14, Input Function:

This pin is not used in Control Port Mode and must be terminated to ground.



DSD MODE

Refer to PCM mode	RST	1	28	VREF	Refer to PCM mode
Refer to PCM mode	M4(ADO/CS)	2	27	FILT+	Refer to PCM mode
Refer to PCM mode	M3(AD1/CDIN)	3	26	FILT-	Refer to PCM mode
Refer to PCM mode	M2(SCL/CCLK)	4	25	CMOUT	Refer to PCM mode
Refer to PCM mode	M0(SDA/CDOUT)	5	24	AOURL-	Refer to PCM mode
Refer to PCM mode	DGND	6	23	AOURL+	Refer to PCM mode
Refer to PCM mode	VD	7	22	VA	Refer to PCM mode
Refer to PCM mode	VD	8	21	AGND	Refer to PCM mode
Refer to PCM mode	DGND	9	20	AOUR+	Refer to PCM mode
Master Clock	MCLK	10	19	AOUR-	Refer to PCM mode
DSD Serial Clock	DSD_SCLK	11	18	AGND	Refer to PCM mode
Master Clock Mode	CLKMODE	12	17		Refer to PCM mode
Left Channel Data	DSD_L	13	16	C/H	Refer to PCM mode
Right Channel Data	DSD_R	14	15	MUTE	Refer to PCM mode

Master Clock - MCLK

Pin 10, Input

Function:

The master clock frequency must be either 4x or 6x the DSD data rate for 64x oversampled DSD data and 2x or 3x the DSD data rate for 128x oversampled DSD data, refer to Table 7.

CLKMODE

Pin 12, Input

Function:

This pin determines the allowable Master Clock to DSD data ratio as defined in Table 7.

		CLKMODE	
		0	1
DSD Over-Sampling Ratio	64x	4x	6x
	128x	2x	3x

DSD Serial Clock -DSD_SCLK

Pin 11, Input

Function:

Clocks the individual bits of the DSD audio data into the DSD_L and DSD_R pins.

Audio Data -DSD_L and DSD_R

Pins 13 and 14, Inputs

Function:

Direct Stream Digital audio data is clocked into DSD_L and DSD_R via the DSD serial clock.

Table 7. MCLK to DSD Data Rate Clock Ratios

PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
					POWER SUPPLY,AUDIO PCB (00MWG24AK101-)	
PA16	C202		00MOF55821570	00MOF55821570	FILM CAP.	DTG 820PF 100VDC TAPING
PA16	C203		00MOF55821570	00MOF55821570	FILM CAP.	DTG 820PF 100VDC TAPING
PA16	C204		00MOF55561570	00MOF55561570	FILM CAP.	DTG 560PF 100V
PA16	C205		00MOF55181560	00MOF55181560	FILM CAP.	DAMG 180PF 630VDC TAPING
PA16	C206		00MOF55181560	00MOF55181560	FILM CAP.	DAMG 180PF 630VDC TAPING
PA16	C208		00MOF55681570	00MOF55681570	FILM CAP.	DTG 680PF 100V
PA16	C211		nsp	00MOA227016Z0	ELECT. CAP.	ROS-16V227M-T2 #5 (LF) SILMIC
PA16	C212	/K1G	nsp	00MOA227016Z0	ELECT. CAP.	ROS-16V227M-T2 #5 (LF) SILMIC
PA16	C212	/L1G	nsp	00MOA227016Z0	ELECT. CAP.	ROS-16V227M-T2 #5 (LF) SILMIC
PA16	C212	/N1G	nsp	00MOA227016Z0	ELECT. CAP.	ROS-16V227M-T2 #5 (LF) SILMIC
PA16	C212	/N1S	nsp	00MOA227016Z0	ELECT. CAP.	ROS-16V227M-T2 #5 (LF) SILMIC
PA16	C212	/S1G	nsp	00MOA227016Z0	ELECT. CAP.	ROS-16V227M-T2 #5 (LF) SILMIC
PA16	C221	/F N	nsp	00MOA477025R0	ELECT. CAP.	ROA-25V471M-S1 #5 (LF) CERAFAINE
PA16	C221	/K1G	nsp	00MOA477016Z0	ELECT. CAP.	ROS-16V477M-S1 #5 (LF) SILMIC
PA16	C221	/L1G	nsp	00MOA477016Z0	ELECT. CAP.	ROS-16V477M-S1 #5 (LF) SILMIC
PA16	C221	/N1G	nsp	00MOA477016Z0	ELECT. CAP.	ROS-16V477M-S1 #5 (LF) SILMIC
PA16	C221	/N1S	nsp	00MOA477016Z0	ELECT. CAP.	ROS-16V477M-S1 #5 (LF) SILMIC
PA16	C221	/S1G	nsp	00MOA477016Z0	ELECT. CAP.	ROS-16V477M-S1 #5 (LF) SILMIC
PA16	C222	/F N	nsp	00MOA107025R0	ELECT. CAP.	ROA-25V107M-T2 #5 (LF) CERAFAINE
PA16	C222	/K1G	nsp	00MOA107025Z0	ELECT. CAP.	100UF 25V ARS
PA16	C222	/L1G	nsp	00MOA107025Z0	ELECT. CAP.	100UF 25V ARS
PA16	C222	/N1G	nsp	00MOA107025Z0	ELECT. CAP.	100UF 25V ARS
PA16	C222	/N1S	nsp	00MOA107025Z0	ELECT. CAP.	100UF 25V ARS
PA16	C222	/S1G	nsp	00MOA107025Z0	ELECT. CAP.	100UF 25V ARS
PA16	C252		00MOF55821570	00MOF55821570	FILM CAP.	DTG 820PF 100VDC TAPING
PA16	C253		00MOF55821570	00MOF55821570	FILM CAP.	DTG 820PF 100VDC TAPING
PA16	C254		00MOF55561570	00MOF55561570	FILM CAP.	DTG 560PF 100V
PA16	C255		00MOF55181560	00MOF55181560	FILM CAP.	DAMG 180PF 630VDC TAPING
PA16	C256		00MOF55181560	00MOF55181560	FILM CAP.	DAMG 180PF 630VDC TAPING
PA16	C258		00MOF55681570	00MOF55681570	FILM CAP.	DTG 680PF 100V
PA16	C261		nsp	00MOA227016Z0	ELECT. CAP.	ROS-16V227M-T2 #5 (LF) SILMIC
PA16	C262	/K1G	nsp	00MOA227016Z0	ELECT. CAP.	ROS-16V227M-T2 #5 (LF) SILMIC
PA16	C262	/L1G	nsp	00MOA227016Z0	ELECT. CAP.	ROS-16V227M-T2 #5 (LF) SILMIC
PA16	C262	/N1G	nsp	00MOA227016Z0	ELECT. CAP.	ROS-16V227M-T2 #5 (LF) SILMIC
PA16	C262	/N1S	nsp	00MOA227016Z0	ELECT. CAP.	ROS-16V227M-T2 #5 (LF) SILMIC
PA16	C262	/S1G	nsp	00MOA227016Z0	ELECT. CAP.	ROS-16V227M-T2 #5 (LF) SILMIC
PA16	C271	/F N	nsp	00MOA477025R0	ELECT. CAP.	ROA-25V471M-S1 #5 (LF) CERAFAINE
PA16	C271	/K1G	nsp	00MOA477016Z0	ELECT. CAP.	ROS-16V477M-S1 #5 (LF) SILMIC
PA16	C271	/L1G	nsp	00MOA477016Z0	ELECT. CAP.	ROS-16V477M-S1 #5 (LF) SILMIC
PA16	C271	/N1G	nsp	00MOA477016Z0	ELECT. CAP.	ROS-16V477M-S1 #5 (LF) SILMIC
PA16	C271	/N1S	nsp	00MOA477016Z0	ELECT. CAP.	ROS-16V477M-S1 #5 (LF) SILMIC
PA16	C271	/S1G	nsp	00MOA477016Z0	ELECT. CAP.	ROS-16V477M-S1 #5 (LF) SILMIC
PA16	C272	/F N	nsp	00MOA107025R0	ELECT. CAP.	ROA-25V107M-T2 #5 (LF) CERAFAINE
PA16	C272	/K1G	nsp	00MOA107025Z0	ELECT. CAP.	100UF 25V ARS
PA16	C272	/L1G	nsp	00MOA107025Z0	ELECT. CAP.	100UF 25V ARS
PA16	C272	/N1G	nsp	00MOA107025Z0	ELECT. CAP.	100UF 25V ARS
PA16	C272	/N1S	nsp	00MOA107025Z0	ELECT. CAP.	100UF 25V ARS
PA16	C272	/S1G	nsp	00MOA107025Z0	ELECT. CAP.	100UF 25V ARS
PA16	▲ C801		00MOA68801620	00MOA68801620	ELECT. CAP.	! 6800 UF 16V RA2 TYPE
PA16	▲ C802		00MOA68801620	00MOA68801620	ELECT. CAP.	! 6800 UF 16V RA2 TYPE
PA16	C805		nsp	00MOA33801020	ELECT. CAP.	3300 UF 10V RA-2
PA16	C811		00MOB10803570	00MOB10803570	ELECT. CAP.	1000U 35V(ALP) (LF)-BLOCK CAP
PA16	C814		nsp	00MOA22801620	ELECT. CAP.	2200UF 16V
PA16	▲ C821		00MOA68801620	00MOA68801620	ELECT. CAP.	6800 UF 16V RA2 TYPE
PA16	C824		nsp	00MOA22801620	ELECT. CAP.	2200UF 16V
PA16	▲ C831		00MOA22803520	00MOA22803520	ELECT. CAP.	! 2200UF M 35V RA-2
PA16	C834		nsp	00MOA22801620	ELECT. CAP.	2200UF 16V
PA16	C841		nsp	00MOA22703520	ELECT. CAP.	220UF 35V M RA-2
PA16	C844		nsp	00MOA47602520	ELECT. CAP.	47 UF M 25V RA-2
PA16	C851		00MOB47803580	00MOB47803580	ELECT. CAP.	4700U 35V(LAO)(LF)-BLOCK (A0410-104)ELNA
PA16	C852		00MOB47803580	00MOB47803580	ELECT. CAP.	4700U 35V(LAO)(LF)-BLOCK (A0410-104)ELNA
PA16	C855		nsp	00MOA107025R0	ELECT. CAP.	ROA-25V107M-T2 #5(LF)CERAFAINE
PA16	C856		nsp	00MOA107025R0	ELECT. CAP.	ROA-25V107M-T2 #5(LF)CERAFAINE
PA16	C857	/F N	nsp	00MOA477025R0	ELECT. CAP.	ROA-25V471M-S1 #5 (LF) CERAFAINE
PA16	C857	/K1G	nsp	00MOA477016Z0	ELECT. CAP.	ROS-16V477M-S1 #5 (LF) SILMIC
PA16	C857	/L1G	nsp	00MOA477016Z0	ELECT. CAP.	ROS-16V477M-S1 #5 (LF) SILMIC

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

PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
PA16	C857	/N1G	nsp	00MOA477016Z0	ELECT. CAP.	ROS-16V477M-S1 #5 (LF) SILMIC
PA16	C857	/N1S	nsp	00MOA477016Z0	ELECT. CAP.	ROS-16V477M-S1 #5 (LF) SILMIC
PA16	C857	/S1G	nsp	00MOA477016Z0	ELECT. CAP.	ROS-16V477M-S1 #5 (LF) SILMIC
PA16	C858	/F N	nsp	00MOA477025R0	ELECT. CAP.	ROA-25V471M-S1 #5 (LF) CERAFINE
PA16	C858	/K1G	nsp	00MOA477016Z0	ELECT. CAP.	ROS-16V477M-S1 #5 (LF) SILMIC
PA16	C858	/L1G	nsp	00MOA477016Z0	ELECT. CAP.	ROS-16V477M-S1 #5 (LF) SILMIC
PA16	C858	/N1G	nsp	00MOA477016Z0	ELECT. CAP.	ROS-16V477M-S1 #5 (LF) SILMIC
PA16	C858	/N1S	nsp	00MOA477016Z0	ELECT. CAP.	ROS-16V477M-S1 #5 (LF) SILMIC
PA16	C858	/S1G	nsp	00MOA477016Z0	ELECT. CAP.	ROS-16V477M-S1 #5 (LF) SILMIC
PA16	C961	/F N	nsp	00MOA106025R0	ELECT. CAP.	ROA-25V106M-T2 #5 (LF) CERAFINE
PA16	C961	/K1G	nsp	00MOA106035Z0	ELECT. CAP.	ROS-35V106M-T2 #5 (LF) SILMIC
PA16	C961	/L1G	nsp	00MOA106035Z0	ELECT. CAP.	ROS-35V106M-T2 #5 (LF) SILMIC
PA16	C961	/N1G	nsp	00MOA106035Z0	ELECT. CAP.	ROS-35V106M-T2 #5 (LF) SILMIC
PA16	C961	/N1S	nsp	00MOA106035Z0	ELECT. CAP.	ROS-35V106M-T2 #5 (LF) SILMIC
PA16	C961	/S1G	nsp	00MOA106035Z0	ELECT. CAP.	ROS-35V106M-T2 #5 (LF) SILMIC
PA16	C962		nsp	00MOA106035Z0	ELECT. CAP.	ROS-35V106M-T2 #5 (LF) SILMIC
PA16	C971	/F N	nsp	00MOA106025R0	ELECT. CAP.	ROA-25V106M-T2 #5 (LF) CERAFINE
PA16	C971	/K1G	nsp	00MOA106035Z0	ELECT. CAP.	ROS-35V106M-T2 #5 (LF) SILMIC
PA16	C971	/L1G	nsp	00MOA106035Z0	ELECT. CAP.	ROS-35V106M-T2 #5 (LF) SILMIC
PA16	C971	/N1G	nsp	00MOA106035Z0	ELECT. CAP.	ROS-35V106M-T2 #5 (LF) SILMIC
PA16	C971	/N1S	nsp	00MOA106035Z0	ELECT. CAP.	ROS-35V106M-T2 #5 (LF) SILMIC
PA16	C971	/S1G	nsp	00MOA106035Z0	ELECT. CAP.	ROS-35V106M-T2 #5 (LF) SILMIC
PA16	C972		nsp	00MOA106035Z0	ELECT. CAP.	ROS-35V106M-T2 #5 (LF) SILMIC
PA16	CF54		nsp	00MOA10606320	ELECT. CAP.	10 UF 63V RA-2
PA16	CN01		nsp	00MOA22703520	ELECT. CAP.	220UF 35V M RA-2
PA16	CN02		nsp	00MOA10510020	ELECT. CAP.	1UF100V RA-2TYPE
PA16	CN03		nsp	00MOA47505020	ELECT. CAP.	4.7 UF M 50V RA-2
PA16	CN06		nsp	00MOA22703520	ELECT. CAP.	220UF 35V M RA-2
PA16	CN07		nsp	00MOA106035Z0	ELECT. CAP.	ROS-35V106M-T2 #5 (LF) SILMIC
PA16	CT05		nsp	00MOA107025Z0	ELECT. CAP.	100UF 25V ARS
PA16	D201		nsp	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PA16	D202		nsp	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PA16	D203		nsp	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PA16	D204		nsp	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PA16	D205		nsp	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PA16	D206		nsp	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PA16	D207		nsp	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PA16	D208		nsp	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PA16	D251		nsp	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PA16	D252		nsp	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PA16	D253		nsp	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PA16	D254		nsp	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PA16	D255		nsp	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PA16	D256		nsp	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PA16	D257		nsp	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PA16	D258		nsp	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PA16	▲ D801		00MHE10004100	00MHE10004100	DIODE	IFRH10A15
PA16	▲ D802		00MHE10003100	00MHE10003100	DIODE	IFCH10A15
PA16	▲ D811		00MHD20055100	00MHD20055100	DIODE	ISHOTTKY 11EQS10 1A 100V
PA16	▲ D812		00MHD20055100	00MHD20055100	DIODE	ISHOTTKY 11EQS10 1A 100V
PA16	▲ D813		00MHD20055100	00MHD20055100	DIODE	ISHOTTKY 11EQS10 1A 100V
PA16	▲ D814		00MHD20055100	00MHD20055100	DIODE	ISHOTTKY 11EQS10 1A 100V
PA16	▲ D821		00MHD20055100	00MHD20055100	DIODE	ISHOTTKY 11EQS10 1A 100V
PA16	▲ D822		00MHD20055100	00MHD20055100	DIODE	ISHOTTKY 11EQS10 1A 100V
PA16	▲ D823		00MHD20055100	00MHD20055100	DIODE	ISHOTTKY 11EQS10 1A 100V
PA16	▲ D824		00MHD20055100	00MHD20055100	DIODE	ISHOTTKY 11EQS10 1A 100V
PA16	▲ D831		00MHD20055100	00MHD20055100	DIODE	ISHOTTKY 11EQS10 1A 100V
PA16	▲ D832		00MHD20055100	00MHD20055100	DIODE	ISHOTTKY 11EQS10 1A 100V
PA16	▲ D833		00MHD20055100	00MHD20055100	DIODE	ISHOTTKY 11EQS10 1A 100V
PA16	▲ D834		00MHD20055100	00MHD20055100	DIODE	ISHOTTKY 11EQS10 1A 100V
PA16	D841		00MHD31601000	00MHD31601000	ZENER DIODE	16V ZENER EQUIVALENT
PA16	D842		nsp	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PA16	▲ D851		00MHD20055100	00MHD20055100	DIODE	ISHOTTKY 11EQS10 1A 100V
PA16	▲ D852		00MHD20055100	00MHD20055100	DIODE	ISHOTTKY 11EQS10 1A 100V
PA16	▲ D853		00MHD20055100	00MHD20055100	DIODE	ISHOTTKY 11EQS10 1A 100V
PA16	▲ D854		00MHD20055100	00MHD20055100	DIODE	ISHOTTKY 11EQS10 1A 100V
PA16	D856		00MHD30021010	00MHD30021010	ZENER DIODE	HZ6A3L

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

PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
PA16	D857		00MHD30021010	00MHD30021010	ZENER DIODE	HZ6A3L
PA16	D858		nsp	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PA16	D859		nsp	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PA16	DF51		nsp	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PA16	▲ DN01		00MHD20055100	00MHD20055100	DIODE	ISHOTTKY 11EQS10 1A 100V
PA16	▲ DN02		00MHD20055100	00MHD20055100	DIODE	ISHOTTKY 11EQS10 1A 100V
PA16	▲ DN03		00MHD20055100	00MHD20055100	DIODE	ISHOTTKY 11EQS10 1A 100V
PA16	▲ DN04		00MHD20055100	00MHD20055100	DIODE	ISHOTTKY 11EQS10 1A 100V
PA16	▲ DN05		00MHD20055100	00MHD20055100	DIODE	ISHOTTKY 11EQS10 1A 100V
PA16	DN06		00MHD30471000	00MHD30471000	ZENER DIODE	4.7V ZENER EQUIVALENT
PA16	▲ DN07		00MHD20055100	00MHD20055100	DIODE	ISHOTTKY 11EQS10 1A 100V
PA16	DN21		nsp	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
PA16	▲ F801		00MFS10125850	00MFS10125850	FUSE	# 1.25 A 250V BS LISTED
PA16	▲ F811		00MFS10100850	00MFS10100850	FUSE	# 1 A 250V BS LISTED
PA16	▲ F831		00MFS10100850	00MFS10100850	FUSE	# 1 A 250V BS LISTED
PA16	▲ F851		00MFS10100850	00MFS10100850	FUSE	# 1 A 250V BS LISTED
PA16	▲ F852		00MFS10100850	00MFS10100850	FUSE	# 1 A 250V BS LISTED
PA16	▲ FH11	/K1G	nsp	00MFS10250850	FUSE	# T2.5A 250V SEMKO/BS
PA16	▲ FH11	/L1G	nsp	00MFS10250850	FUSE	# T2.5A 250V SEMKO/BS
PA16	▲ FH11	/N1G	00MFS10250850	00MFS10250850	FUSE	# T2.5A 250V SEMKO/BS
PA16	▲ FH11	/N1S	00MFS10250850	00MFS10250850	FUSE	# T2.5A 250V SEMKO/BS
PA16	▲ FH11	/S1G	nsp	00MFS10250850	FUSE	# T2.5A 250V SEMKO/BS
PA16	J211		00MYP10004500	00MYP10004500	PLUG	10PL-FJ(10P PLUG FJ-L TYPE)
PA16	J212		00MYP10004500	00MYP10004500	PLUG	10PL-FJ(10P PLUG FJ-L TYPE)
PA16	J213		00MYP10004500	00MYP10004500	PLUG	10PL-FJ(10P PLUG FJ-L TYPE)
PA16	JF51		00MYT02020890	00MYT02020890	TERMINAL	2P CINCIN PIN JACK
PA16	JT01		00MYJ15000220	00MYJ15000220	OPT. CONN.	TOTX179L TOSLINK TRANSCEIVER
PA16	JT02		00MYT02010790	00MYT02010790	TERMINAL	14X14 RA 1L1P BLK AU FLM-GND
PA16	LF51		00MFC90050130	00MFC90050130	FERRITE CORE	BL02RN2-R62T2 FERRITE BEAD
PA16	LN21		00MLY20120620	00MLY20120620	RELAY	ED2-12NU NEC 12V RELAY
PA16	LT01		00MTP41042030	00MTP41042030	TRANSF.	PULSE TRNSF.(TPS247MN-0386AN)
PA16	LT02		00MFC90050130	00MFC90050130	FERRITE CORE	BL02RN2-R62T2 FERRITE BEAD
PA16	LT03		00MFC90050130	00MFC90050130	FERRITE CORE	BL02RN2-R62T2 FERRITE BEAD
PA16	Q201		00MHF203691B0	00MHF203691B0	F.E.T.	2SK369 BL VGDS-40V PD0.4W
PA16	Q202		00MHT322402A0	00MHT322402A0	TRS.	2SC2240 GR OR BL TOSHIBA
PA16	Q203		00MHF203691B0	00MHF203691B0	F.E.T.	2SK369 BL VGDS-40V PD0.4W
PA16	Q204		00MHT109702A0	00MHT109702A0	TRS.	2SA970 (GR) OR (BL) TOSHIBA
PA16	Q205		00MHT109702A0	00MHT109702A0	TRS.	2SA970 (GR) OR (BL) TOSHIBA
PA16	Q206		00MHT322402A0	00MHT322402A0	TRS.	2SC2240 GR OR BL TOSHIBA
PA16	Q207		00MHF201701H0	00MHF201701H0	F.E.T.	2SK170 V LANK TOSHIBA
PA16	Q208		00MHF100741H0	00MHF100741H0	F.E.T.	2SJ74 V LANK TOSHIBA
PA16	Q209		00MHT109702A0	00MHT109702A0	TRS.	2SA970 (GR) OR (BL) TOSHIBA
PA16	Q210		00MHT322402A0	00MHT322402A0	TRS.	2SC2240 GR OR BL TOSHIBA
PA16	Q211		00MHT109702A0	00MHT109702A0	TRS.	2SA970 (GR) OR (BL) TOSHIBA
PA16	Q212		00MHT109702A0	00MHT109702A0	TRS.	2SA970 (GR) OR (BL) TOSHIBA
PA16	Q213		00MHT322402A0	00MHT322402A0	TRS.	2SC2240 GR OR BL TOSHIBA
PA16	Q214		00MHT322402A0	00MHT322402A0	TRS.	2SC2240 GR OR BL TOSHIBA
PA16	Q215		00MHT327052A0	00MHT327052A0	TRS.	2SC2705 O OR Y TAPING TOSHIBA
PA16	Q216		00MHT111452A0	00MHT111452A0	TRS.	2SA1145 O OR Y TAPING TOSHIBA
PA16	Q251		00MHF203691B0	00MHF203691B0	F.E.T.	2SK369 BL VGDS-40V PD0.4W
PA16	Q252		00MHT322402A0	00MHT322402A0	TRS.	2SC2240 GR OR BL TOSHIBA
PA16	Q253		00MHF203691B0	00MHF203691B0	F.E.T.	2SK369 BL VGDS-40V PD0.4W
PA16	Q254		00MHT109702A0	00MHT109702A0	TRS.	2SA970 (GR) OR (BL) TOSHIBA
PA16	Q255		00MHT109702A0	00MHT109702A0	TRS.	2SA970 (GR) OR (BL) TOSHIBA
PA16	Q256		00MHT322402A0	00MHT322402A0	TRS.	2SC2240 GR OR BL TOSHIBA
PA16	Q257		00MHF201701H0	00MHF201701H0	F.E.T.	2SK170 V LANK TOSHIBA
PA16	Q258		00MHF100741H0	00MHF100741H0	F.E.T.	2SJ74 V LANK TOSHIBA
PA16	Q259		00MHT109702A0	00MHT109702A0	TRS.	2SA970 (GR) OR (BL) TOSHIBA
PA16	Q260		00MHT322402A0	00MHT322402A0	TRS.	2SC2240 GR OR BL TOSHIBA
PA16	Q261		00MHT109702A0	00MHT109702A0	TRS.	2SA970 (GR) OR (BL) TOSHIBA
PA16	Q262		00MHT109702A0	00MHT109702A0	TRS.	2SA970 (GR) OR (BL) TOSHIBA
PA16	Q263		00MHT322402A0	00MHT322402A0	TRS.	2SC2240 GR OR BL TOSHIBA
PA16	Q264		00MHT322402A0	00MHT322402A0	TRS.	2SC2240 GR OR BL TOSHIBA
PA16	Q265		00MHT327052A0	00MHT327052A0	TRS.	2SC2705 O OR Y TAPING TOSHIBA
PA16	Q266		00MHT111452A0	00MHT111452A0	TRS.	2SA1145 O OR Y TAPING TOSHIBA
PA16	▲ Q801		00MHC31905320	00MHC31905320	IC	IPQ05RD21 5V 2A
PA16	▲ Q811		00MHC38908090	00MHC38908090	IC	! +8V 1A REGULATOR NJM7808FA

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PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
PA16	▲ Q821		00MHC38908090	00MHC38908090	IC	! +8V 1A REGULATOR NJM7808FA
PA16	▲ Q831		00MHC38912090	00MHC38912090	IC	! NJM7812FA +12V
PA16	Q841		00MHT30001000	00MHT30001000	TRS.	C2458,C1740S,C3199,ETC.
PA16	Q842		00MHT30001000	00MHT30001000	TRS.	C2458,C1740S,C3199,ETC.
PA16	Q851		00MHF202461C0	00MHF202461C0	F.E.T.	2SK246 (GR)
PA16	▲ Q852		00MHT41415100	00MHT41415100	TRS.	! TRANSISTOR 2SD1415
PA16	Q853		00MHT322402A0	00MHT322402A0	TRS.	2SC2240 GR OR BL TOSHIBA
PA16	Q855		00MHF202461C0	00MHF202461C0	F.E.T.	2SK246 (GR)
PA16	▲ Q856		00MHT21020100	00MHT21020100	TRS.	! 2SB1020
PA16	Q857		00MHT109702A0	00MHT109702A0	TRS.	2SA970 (GR) OR (BL) TOSHIBA
PA16	Q961		00MHT110482B0	00MHT110482B0	TRS.	2SA1048 Y OR GR TOSHIBA
PA16	Q962		00MHT324582B0	00MHT324582B0	TRS.	2SC2458 Y OR GR TOSHIBA
PA16	Q963		00MHT324582B0	00MHT324582B0	TRS.	2SC2458 Y OR GR TOSHIBA
PA16	Q964		00MHT110482B0	00MHT110482B0	TRS.	2SA1048 Y OR GR TOSHIBA
PA16	Q971		00MHT110482B0	00MHT110482B0	TRS.	2SA1048 Y OR GR TOSHIBA
PA16	Q972		00MHT324582B0	00MHT324582B0	TRS.	2SC2458 Y OR GR TOSHIBA
PA16	Q973		00MHT324582B0	00MHT324582B0	TRS.	2SC2458 Y OR GR TOSHIBA
PA16	Q974		00MHT110482B0	00MHT110482B0	TRS.	2SA1048 Y OR GR TOSHIBA
PA16	QF51		00MHT10001000	00MHT10001000	TRS.	A1048,A933S,A1267,ETC.
PA16	QF52		00MHT30001000	00MHT30001000	TRS.	C2458,C1740S,C3199,ETC.
PA16	QN01		00MHT30001000	00MHT30001000	TRS.	C2458,C1740S,C3199,ETC.
PA16	QN02		00MHT30001000	00MHT30001000	TRS.	C2458,C1740S,C3199,ETC.
PA16	QN03		00MBA20003000	00MBA20003000	SEMICON.COMP	DTC124ES/UN4212/KRC103M-AT/P
PA16	QN04		00MBA20003000	00MBA20003000	SEMICON.COMP	DTC124ES/UN4212/KRC103M-AT/P
PA16	▲ QN05		00MHC38912090	00MHC38912090	IC	! NJM7812FA +12V
PA16	QN07		00MHT30001000	00MHT30001000	TRS.	C2458,C1740S,C3199,ETC.
PA16	QN08		00MHT10001000	00MHT10001000	TRS.	A1048,A933S,A1267,ETC.
PA16	QT01		00MHC700400U0	00MHC700400U0	IC	LC74HCU04
PA16	R207		nsp	00MGD05121160	RES.	120 OHM +- 5% 1/6W
PA16	R208		nsp	00MGD05680160	RES.	68 OHM +- 5% 1/6W
PA16	R209		nsp	00MGD05121160	RES.	120 OHM +- 5% 1/6W
PA16	R210		nsp	00MGD05561160	RES.	560 OHM +- 5% 1/6W
PA16	R211		nsp	00MGD05333160	RES.	33K OHM +- 5% 1/6W
PA16	R212		nsp	00MGD05561160	RES.	560 OHM +- 5% 1/6W
PA16	R213		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
PA16	R214		nsp	00MGD05330160	RES.	33 OHM +- 5% 1/6W
PA16	R215		nsp	00MGD05330160	RES.	33 OHM +- 5% 1/6W
PA16	R216		nsp	00MGD05271160	RES.	270 OHM +- 5% 1/6W
PA16	R217		nsp	00MGD05271160	RES.	270 OHM +- 5% 1/6W
PA16	R218		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
PA16	R219		nsp	00MGD05271160	RES.	270 OHM +- 5% 1/6W
PA16	R220		nsp	00MGD05271160	RES.	270 OHM +- 5% 1/6W
PA16	R221		nsp	00MGD05470160	RES.	47 OHM +- 5% 1/6W
PA16	R222		nsp	00MGD05330160	RES.	33 OHM +- 5% 1/6W
PA16	R223		nsp	00MGD05330160	RES.	33 OHM +- 5% 1/6W
PA16	R224		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
PA16	R225		nsp	00MGD05470160	RES.	47 OHM +- 5% 1/6W
PA16	R257		nsp	00MGD05121160	RES.	120 OHM +- 5% 1/6W
PA16	R258		nsp	00MGD05680160	RES.	68 OHM +- 5% 1/6W
PA16	R259		nsp	00MGD05121160	RES.	120 OHM +- 5% 1/6W
PA16	R260		nsp	00MGD05561160	RES.	560 OHM +- 5% 1/6W
PA16	R261		nsp	00MGD05333160	RES.	33K OHM +- 5% 1/6W
PA16	R262		nsp	00MGD05561160	RES.	560 OHM +- 5% 1/6W
PA16	R263		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
PA16	R264		nsp	00MGD05330160	RES.	33 OHM +- 5% 1/6W
PA16	R265		nsp	00MGD05330160	RES.	33 OHM +- 5% 1/6W
PA16	R266		nsp	00MGD05271160	RES.	270 OHM +- 5% 1/6W
PA16	R267		nsp	00MGD05271160	RES.	270 OHM +- 5% 1/6W
PA16	R268		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
PA16	R269		nsp	00MGD05271160	RES.	270 OHM +- 5% 1/6W
PA16	R270		nsp	00MGD05271160	RES.	270 OHM +- 5% 1/6W
PA16	R271		nsp	00MGD05470160	RES.	47 OHM +- 5% 1/6W
PA16	R272		nsp	00MGD05330160	RES.	33 OHM +- 5% 1/6W
PA16	R273		nsp	00MGD05330160	RES.	33 OHM +- 5% 1/6W
PA16	R274		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
PA16	R275		nsp	00MGD05470160	RES.	47 OHM +- 5% 1/6W
PA16	R841		nsp	00MGD05272160	RES.	2.7K OHM +- 5% 1/6W

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PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
PA16	R842		nsp	00MGD05103160	RES.	10K OHM +- 5% 1/6W
PA16	R851		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
PA16	R852		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
PA16	R853		nsp	00MGD05272160	RES.	2.7K OHM +- 5% 1/6W
PA16	R854		nsp	00MGD05332160	RES.	3.3K OHM +- 5% 1/6W
PA16	R855		nsp	00MGD05272160	RES.	2.7K OHM +- 5% 1/6W
PA16	R856		nsp	00MGD05332160	RES.	3.3K OHM +- 5% 1/6W
PA16	R857		nsp	00MGD05332160	RES.	3.3K OHM +- 5% 1/6W
PA16	R858		nsp	00MGD05332160	RES.	3.3K OHM +- 5% 1/6W
PA16	R961		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
PA16	R962		nsp	00MGD05682160	RES.	6.8K OHM +-5% 1/6W
PA16	R963		nsp	00MGD05682160	RES.	6.8K OHM +-5% 1/6W
PA16	R965		nsp	00MGD05330160	RES.	33 OHM +- 5% 1/6W
PA16	R966		nsp	00MGD05330160	RES.	33 OHM +- 5% 1/6W
PA16	R967		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
PA16	R971		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
PA16	R972		nsp	00MGD05682160	RES.	6.8K OHM +-5% 1/6W
PA16	R973		nsp	00MGD05682160	RES.	6.8K OHM +-5% 1/6W
PA16	R975		nsp	00MGD05330160	RES.	33 OHM +- 5% 1/6W
PA16	R976		nsp	00MGD05330160	RES.	33 OHM +- 5% 1/6W
PA16	R977		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
PA16	RF51		nsp	00MGD05220160	RES.	22 OHM +- 5% 1/6W
PA16	RF52		nsp	00MGD05472160	RES.	4.7K OHM +- 5% 1/6W
PA16	RF53		nsp	00MGD05472160	RES.	4.7K OHM +- 5% 1/6W
PA16	RF54		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
PA16	RF55		nsp	00MGD05183160	RES.	18K OHM +- 5% 1/6W
PA16	RF56		nsp	00MGD05472160	RES.	4.7K OHM +- 5% 1/6W
PA16	RF57		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
PA16	RF58		nsp	00MGD05822160	RES.	8.2K OHM +- 5% 1/6W
PA16	RN01		nsp	00MGD05122160	RES.	1.2K OHM +- 5% 1/6W
PA16	RN02		nsp	00MGD05153160	RES.	15K OHM +- 5% 1/6W
PA16	RN03		nsp	00MGD05225160	RES.	2.2M OHM +- 5% 1/6W
PA16	RN04		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
PA16	RN05		nsp	00MGD05103160	RES.	10K OHM +- 5% 1/6W
PA16	RN15		nsp	00MGD05472160	RES.	4.7K OHM +- 5% 1/6W
PA16	RN16		nsp	00MGD05332160	RES.	3.3K OHM +- 5% 1/6W
PA16	RN17		nsp	00MGD05224160	RES.	220K OHM +- 5% 1/6W
PA16	RN18		nsp	00MGD05472160	RES.	4.7K OHM +-1% 1/6W
PA16	RT01		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
PA16	RT02		nsp	00MGD05330160	RES.	33 OHM +- 5% 1/6W
PA16	RT03		nsp	00MGD05750160	RES.	75 OHM +- 5% 1/6W
PA16	RT04		nsp	00MGD05220160	RES.	22 OHM +- 5% 1/6W
PA16	RT05		nsp	00MGD05122160	RES.	1.2K OHM +- 5% 1/6W
PA16	RT06		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
PA16	SF51		00MSS02021150	00MSS02021150	SLIDE SW	SLIDE SWITCH INT/EXT
PA16	▲ SH01		00MSP01011990	00MSP01011990	PUSH SW	!SDDL1 POWER SWITCH TV-3
DAC,CLOCK,HP BUFFER PCB (00MWG24AK201-)						
PD16	C101		nsp	00MDK96102300	CER. CAP.	1000 PF +- 10 % B 50V GR36
PD16	C102		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD16	C103		nsp	00MOA227016R0	ELECT. CAP.	ROA-16V227M-T2 #5 (LF) CERAFINE
PD16	C104		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD16	C105		nsp	00MOA227016Z0	ELECT. CAP.	ROS-16V227M-T2 #5 (LF) SILMIC
PD16	C106		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD16	C107		nsp	00MOA106025R0	ELECT. CAP.	ROA-25V106M-T2 #5 (LF) CERAFINE
PD16	C108		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD16	C109		nsp	00MOA107010R0	ELECT. CAP.	ROA-10V107M-T2 #5(LF)CERAFINE
PD16	C110		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD16	C121		nsp	00MDD91100300	CER. CAP.	10 PF +- 0.5 PF CH 50V GR39
PD16	C122		nsp	00MDD91100300	CER. CAP.	10 PF +- 0.5 PF CH 50V GR39
PD16	C124		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD16	C125		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD16	C126		nsp	00MOA107025Z0	ELECT. CAP.	100UF 25V ARS
PD16	C127		nsp	00MOA106035Z0	ELECT. CAP.	ROS-35V106M-T2 #5 (LF) SILMIC
PD16	C128		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD16	C151		nsp	00MOA477016R0	ELECT. CAP.	ROA-16V471M-S1 #5 (LF) CERAFINE
PD16	C152		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD16	C153		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA

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

PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
PD16	C154		nsp	00MOA477016R0	ELECT. CAP.	ROA-16V471M-S1 #5 (LF) CERAFAINE
PD16	C155		nsp	00MOA106025R0	ELECT. CAP.	ROA-25V106M-T2 #5 (LF) CERAFAINE
PD16	C156		nsp	00MOA107010R0	ELECT. CAP.	ROA-10V107M-T2 #5(LF)CERAFAINE
PD16	C162		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD16	C163		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD16	C164		nsp	00MOA10701020	ELECT. CAP.	100 UF M 10V RA-2
PD16	C181		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD16	C182		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD16	C183		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD16	C184		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD16	C185		nsp	00MOA227016Z0	ELECT. CAP.	ROS-16V227M-T2 #5 (LF) SILMIC
PD16	C902		nsp	00MDD95101300	CER. CAP.	100 PF +- 5 % CG 50V GR39
PD16	C921		nsp	00MOA22701620	ELECT. CAP.	220 UF M 16V RA-2
PD16	C922		nsp	00MOA22701620	ELECT. CAP.	220 UF M 16V RA-2
PD16	C932		nsp	00MDD95101300	CER. CAP.	100 PF +- 5 % CG 50V GR39
PD16	D154		00MHZ20028050	00MHZ20028050	CHIP DIODE	1SS301
PD16	D181		00MHZ20028050	00MHZ20028050	CHIP DIODE	1SS301
PD16	D901		00MHZ20007210	00MHZ20007210	CHIP DIODE	IMN10 DIODE ARRAY
PD16	D931		00MHZ20007210	00MHZ20007210	CHIP DIODE	IMN10 DIODE ARRAY
PD16	J105		00MYJ10005000	00MYJ10005000	JACK	10R-FJ(10P RECEPTACLE)
PD16	J106		00MYJ10005000	00MYJ10005000	JACK	10R-FJ(10P RECEPTACLE)
PD16	J107		00MYJ10005000	00MYJ10005000	JACK	10R-FJ(10P RECEPTACLE)
PD16	L101		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PD16	L103		00MFC90020100	00MFC90020100	FERRITE CORE	FB M J2125HM330-T
PD16	L104		00MFC90020100	00MFC90020100	FERRITE CORE	FB M J2125HM330-T
PD16	L105		00MFC90020100	00MFC90020100	FERRITE CORE	FB M J2125HM330-T
PD16	Q101		00MHC10008880	00MHC10008880	IC	CS4397 24/192 DAC CIRRUS LOGIC
PD16	Q121		00MHC010305K0	00MHC010305K0	IC	TC7SHU04FU
PD16	Q122		00MHC010305K0	00MHC010305K0	IC	TC7SHU04FU
PD16	Q123		00MHC005605K0	00MHC005605K0	IC	TC74VHC74FS
PD16	Q151		00MHC98905090	00MHC98905090	IC	NJM7805DLIA (TE1)
PD16	Q152		00MHX111622A0	00MHX111622A0	CHIP TRS.	2SA1586 O,Y
PD16	Q153		00MBA20019210	00MBA20019210	SEMICON.COMP	DTC114TU (ROHM)
PD16	Q154		00MBA20016050	00MBA20016050	SEMICON.COMP	HN1C03F(B)(NPNX2(MUTING))
PD16	Q161		00MHC98403980	00MHC98403980	IC	XC6203P332PR 3.3V 0.4A REG.
PD16	Q901		00MHX115862A0	00MHX115862A0	CHIP TRS.	2SA1586 (O,Y)
PD16	Q902		00MHX341162B0	00MHX341162B0	CHIP TRS.	2SC4116 (TOSHIBA)
PD16	Q903		00MHX341162B0	00MHX341162B0	CHIP TRS.	2SC4116 (TOSHIBA)
PD16	Q904		00MHX115862A0	00MHX115862A0	CHIP TRS.	2SA1586 (O,Y)
PD16	Q905		00MHX115862A0	00MHX115862A0	CHIP TRS.	2SA1586 (O,Y)
PD16	Q906		00MHX341162B0	00MHX341162B0	CHIP TRS.	2SC4116 (TOSHIBA)
PD16	Q907		00MHX341162B0	00MHX341162B0	CHIP TRS.	2SC4116 (TOSHIBA)
PD16	Q908		00MHX115862A0	00MHX115862A0	CHIP TRS.	2SA1586 (O,Y)
PD16	Q931		00MHX115862A0	00MHX115862A0	CHIP TRS.	2SA1586 (O,Y)
PD16	Q932		00MHX341162B0	00MHX341162B0	CHIP TRS.	2SC4116 (TOSHIBA)
PD16	Q933		00MHX341162B0	00MHX341162B0	CHIP TRS.	2SC4116 (TOSHIBA)
PD16	Q934		00MHX115862A0	00MHX115862A0	CHIP TRS.	2SA1586 (O,Y)
PD16	Q935		00MHX115862A0	00MHX115862A0	CHIP TRS.	2SA1586 (O,Y)
PD16	Q936		00MHX341162B0	00MHX341162B0	CHIP TRS.	2SC4116 (TOSHIBA)
PD16	Q937		00MHX341162B0	00MHX341162B0	CHIP TRS.	2SC4116 (TOSHIBA)
PD16	Q938		00MHX115862A0	00MHX115862A0	CHIP TRS.	2SA1586 (O,Y)
PD16	R101		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PD16	R102		nsp	00MNN05223610	CHIP RES.	22K OHM +- 5% 1/16W
PD16	R103		nsp	00MNN05223610	CHIP RES.	22K OHM +- 5% 1/16W
PD16	R121		nsp	00MNN05154610	CHIP RES.	150K OHM +- 5% 1/16W
PD16	R122		nsp	00MNN05821610	CHIP RES.	820 OHM +- 5% 1/16W
PD16	R123		nsp	00MNN05330610	CHIP RES.	33 OHM +- 5% 1/16W
PD16	R124		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PD16	R125		nsp	00MNN05100610	CHIP RES.	10 OHM +- 5% 1/16W
PD16	R151		00MNI05472110	00MNI05472110	CHIP RES.	4.7K OHM +- 5% 1/10W
PD16	R152		00MNI05122110	00MNI05122110	CHIP RES.	1.2K OHM +- 5% 1/10W
PD16	R153		00MNI05152110	00MNI05152110	CHIP RES.	1.5K OHM +- 5% 1/10W
PD16	R154		00MNI05392110	00MNI05392110	CHIP RES.	3.9K OHM +- 5% 1/10W
PD16	R155		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PD16	R181		nsp	00MNN05223610	CHIP RES.	22K OHM +- 5% 1/16W
PD16	R182		nsp	00MNN05223610	CHIP RES.	22K OHM +- 5% 1/16W
PD16	R183		nsp	00MNN05223610	CHIP RES.	22K OHM +- 5% 1/16W

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PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
PD16	R184		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PD16	R901		nsp	00MNN05471610	CHIP RES.	470 OHM +- 5% 1/16W
PD16	R902		nsp	00MNN05562610	CHIP RES.	5.6K OHM +- 5% 1/16W
PD16	R903		nsp	00MNN05562610	CHIP RES.	5.6K OHM +- 5% 1/16W
PD16	R904		nsp	00MNN05331610	CHIP RES.	330 OHM +- 5% 1/16W
PD16	R905		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PD16	R906		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PD16	R907		nsp	00MNN05331610	CHIP RES.	330 OHM +- 5% 1/16W
PD16	R908		nsp	00MNN05561610	CHIP RES.	560 OHM +- 5% 1/16W
PD16	R909		nsp	00MNN05681610	CHIP RES.	680 OHM +- 5% 1/16W
PD16	R910		nsp	00MNN05271610	CHIP RES.	270 OHM +- 5% 1/16W
PD16	R911		nsp	00MNN05271610	CHIP RES.	270 OHM +- 5% 1/16W
PD16	R912		nsp	00MNN05100610	CHIP RES.	10 OHM +- 5% 1/16W
PD16	R913		nsp	00MNN05100610	CHIP RES.	10 OHM +- 5% 1/16W
PD16	R914		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PD16	R931		nsp	00MNN05471610	CHIP RES.	470 OHM +- 5% 1/16W
PD16	R932		nsp	00MNN05562610	CHIP RES.	5.6K OHM +- 5% 1/16W
PD16	R933		nsp	00MNN05562610	CHIP RES.	5.6K OHM +- 5% 1/16W
PD16	R934		nsp	00MNN05331610	CHIP RES.	330 OHM +- 5% 1/16W
PD16	R935		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PD16	R936		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PD16	R937		nsp	00MNN05331610	CHIP RES.	330 OHM +- 5% 1/16W
PD16	R938		nsp	00MNN05561610	CHIP RES.	560 OHM +- 5% 1/16W
PD16	R939		nsp	00MNN05681610	CHIP RES.	680 OHM +- 5% 1/16W
PD16	R940		nsp	00MNN05271610	CHIP RES.	270 OHM +- 5% 1/16W
PD16	R941		nsp	00MNN05271610	CHIP RES.	270 OHM +- 5% 1/16W
PD16	R942		nsp	00MNN05100610	CHIP RES.	10 OHM +- 5% 1/16W
PD16	R943		nsp	00MNN05100610	CHIP RES.	10 OHM +- 5% 1/16W
PD16	R944		nsp	00MNN05000610	CHIP RES.	0 OHM +- 5% 1/16W
PD16	X101		00MJX33001470	00MJX33001470	X'TAL	DSX630G 33.8688MHZ XTAL SMD
					HEADPHONE VOL/OUT PCB (00MWG24AK206-)	
PH16	C951		nsp	00MDK96102300	CER. CAP.	1000 PF +- 10 % B 50V GR36
PH16	C952		nsp	00MDK96102300	CER. CAP.	1000 PF +- 10 % B 50V GR36
PH16	C953		nsp	00MDK96102300	CER. CAP.	1000 PF +- 10 % B 50V GR36
PH16	C954		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PH16	J952		00MYJ01003880	00MYJ01003880	JACK	H.P JACK HLJ0540-01-430 GRY
PH16	L951		00MFC90020100	00MFC90020100	FERRITE CORE	FB M J2125HM330-T
PH16	L952		00MFC90020100	00MFC90020100	FERRITE CORE	FB M J2125HM330-T
PH16	R951		00MRM01031220	00MRM01031220	VAR. RES.	RK09L12B0 10K B ALPS
					FRONT CENTER(LCD) PCB (00MWG24AK202-)	
PY16	CY03		nsp	00MDK98104300	CER. CAP.	0.1UF 50V F C1608JF1H104Z
PY16	CY05		nsp	00MDK98474200	CER. CAP.	GRM39F474Z16PT 0.47UF F 16V
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	CY15		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PY16	CY16		nsp	00MDK98104300	CER. CAP.	0.1UF 50V F C1608JF1H104Z
PY16	CY18		nsp	00MDK98104300	CER. CAP.	0.1UF 50V F C1608JF1H104Z
PY16	CY19		nsp	00MDK96102300	CER. CAP.	1000 PF +- 10 % B 50V GR36
PY16	CY20		nsp	00MDK96102300	CER. CAP.	1000 PF +- 10 % B 50V GR36
PY16	CY21		nsp	00MDK96102300	CER. CAP.	1000 PF +- 10 % B 50V GR36
PY16	CY22		nsp	00MDK96102300	CER. CAP.	1000 PF +- 10 % B 50V GR36
PY16	CY44		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PY16	CY46		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PY16	CY48		nsp	00MDK98104300	CER. CAP.	0.1UF 50V F C1608JF1H104Z
PY16	LY41		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PY16	LY42		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PY16	LY43		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PY16	QY02		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PY16	QY03		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PY16	QY04		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PY16	QY07		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PY16	QY42		00MHC98203090	00MHC98203090	IC	NJU7222U33-TE1 3.3V REG.
PY16	QY43		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PY16	QY44		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)

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PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
PY16	RY05		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PY16	RY06		nsp	00MNN05102610	CHIP RES.	1K 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	00MNN05683610	CHIP RES.	68K OHM +- 5% 1/16W
PY16	RY11		nsp	00MNN05223610	CHIP RES.	22K OHM +- 5% 1/16W
PY16	RY12		nsp	00MNN05223610	CHIP RES.	22K OHM +- 5% 1/16W
PY16	RY13		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PY16	RY14		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PY16	RY21		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PY16	RY22		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PY16	RY23		nsp	00MNN05470610	CHIP RES.	47 OHM +- 5% 1/16W
PY16	RY24		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PY16	RY56		nsp	00MNN05681610	CHIP RES.	680 OHM +- 5% 1/16W
PY16	RY57		nsp	00MNN05561610	CHIP RES.	560 OHM +- 5% 1/16W
PY16	RY59		nsp	00MNN05182610	CHIP RES.	1.8K OHM +- 5% 1/16W
PY16	RY60		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PY16	RY61		nsp	00MNN05223610	CHIP RES.	22K OHM +- 5% 1/16W
PY16	SY01		00MSP01012030	00MSP01012030	PUSH SW	SKHVBF 260GF RED
PY16	ZF01		00MHW10008210	00MHW10008210	PHOTO UNIT	RPM6936-H4
					FRONT LEFT(SW) PCB (00MWG24AK203-)	
PY26	CY31		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PY26	DY31		00MHI10046080	00MHI10046080	L.E.D.	BLUE LED SELU2E10C-P-E/F Φ 3
PY26	RY31		nsp	00MNN05331610	CHIP RES.	330 OHM +- 5% 1/16W
PY26	RY32		nsp	00MNN05331610	CHIP RES.	330 OHM +- 5% 1/16W
PY26	RY34		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PY26	SY31		00MSP01012030	00MSP01012030	PUSH SW	SKHVBF 260GF RED
PY26	SY32		00MSP01012030	00MSP01012030	PUSH SW	SKHVBF 260GF RED
PY26	SY33		00MSP01012030	00MSP01012030	PUSH SW	SKHVBF 260GF RED
					FRONT RIGHT(SW) PCB (00MWG24AK204-)	
PY36	CY41		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PY36	CY42		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PY36	DY41		00MHI10046080	00MHI10046080	L.E.D.	BLUE LED SELU2E10C-P-E/F Φ 3
PY36	QY41		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PY36	RY41		nsp	00MNN05151610	CHIP RES.	150 OHM +- 5% 1/16W
PY36	RY42		nsp	00MNN05181610	CHIP RES.	180 OHM +- 5% 1/16W
PY36	RY43		nsp	00MNN05271610	CHIP RES.	270 OHM +- 5% 1/16W
PY36	RY44		nsp	00MNN05151610	CHIP RES.	150 OHM +- 5% 1/16W
PY36	RY45		nsp	00MNN05471610	CHIP RES.	470 OHM +- 5% 1/16W
PY36	RY46		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PY36	RY47		nsp	00MNN05222610	CHIP RES.	2.2K OHM +- 5% 1/16W
PY36	RY48		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PY36	RY49		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PY36	RY50		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PY36	RY51		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PY36	RY52		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PY36	RY53		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PY36	RY54		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PY36	RY55		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PY36	SY41		00MSP01012030	00MSP01012030	PUSH SW	SKHVBF 260GF RED
PY36	SY42		00MSP01012030	00MSP01012030	PUSH SW	SKHVBF 260GF RED
PY36	SY43		00MSP01012030	00MSP01012030	PUSH SW	SKHVBF 260GF RED
					FRONT DISPLAY LED PCB (00MWG24AK205-)	
PY46	CY71		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PY46	DY71		00MHI10107210	00MHI10107210	L.E.D.	SML-010VTT86
PY46	RY71		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W

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

Mecha Loader and Mecha Traverse

Super Audio CD Player : SA-15S1

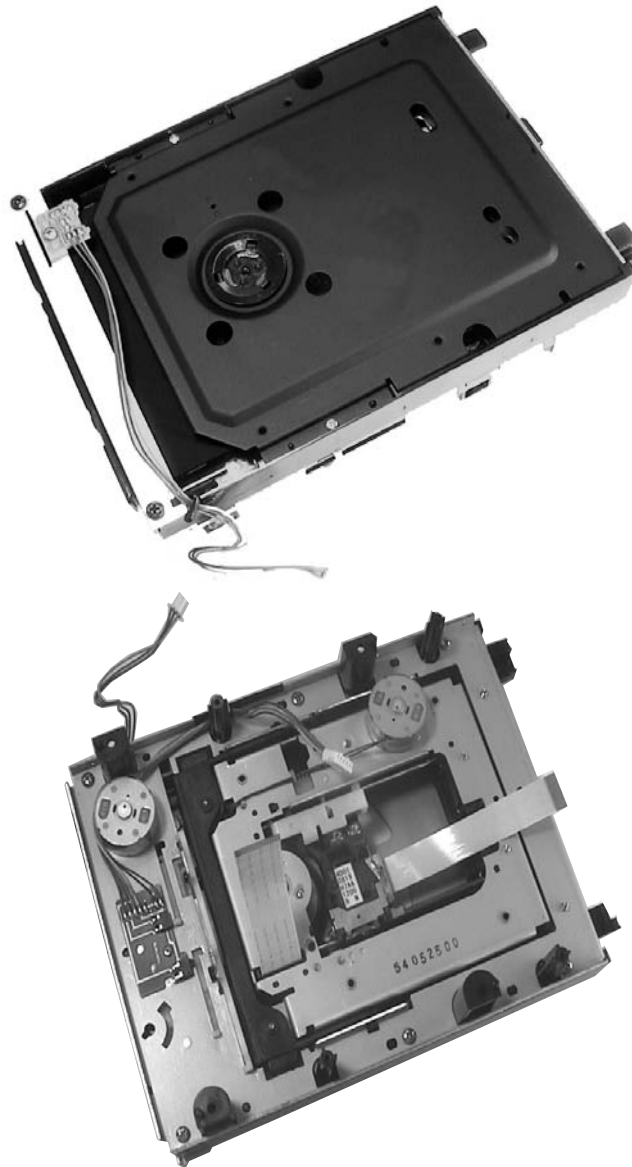


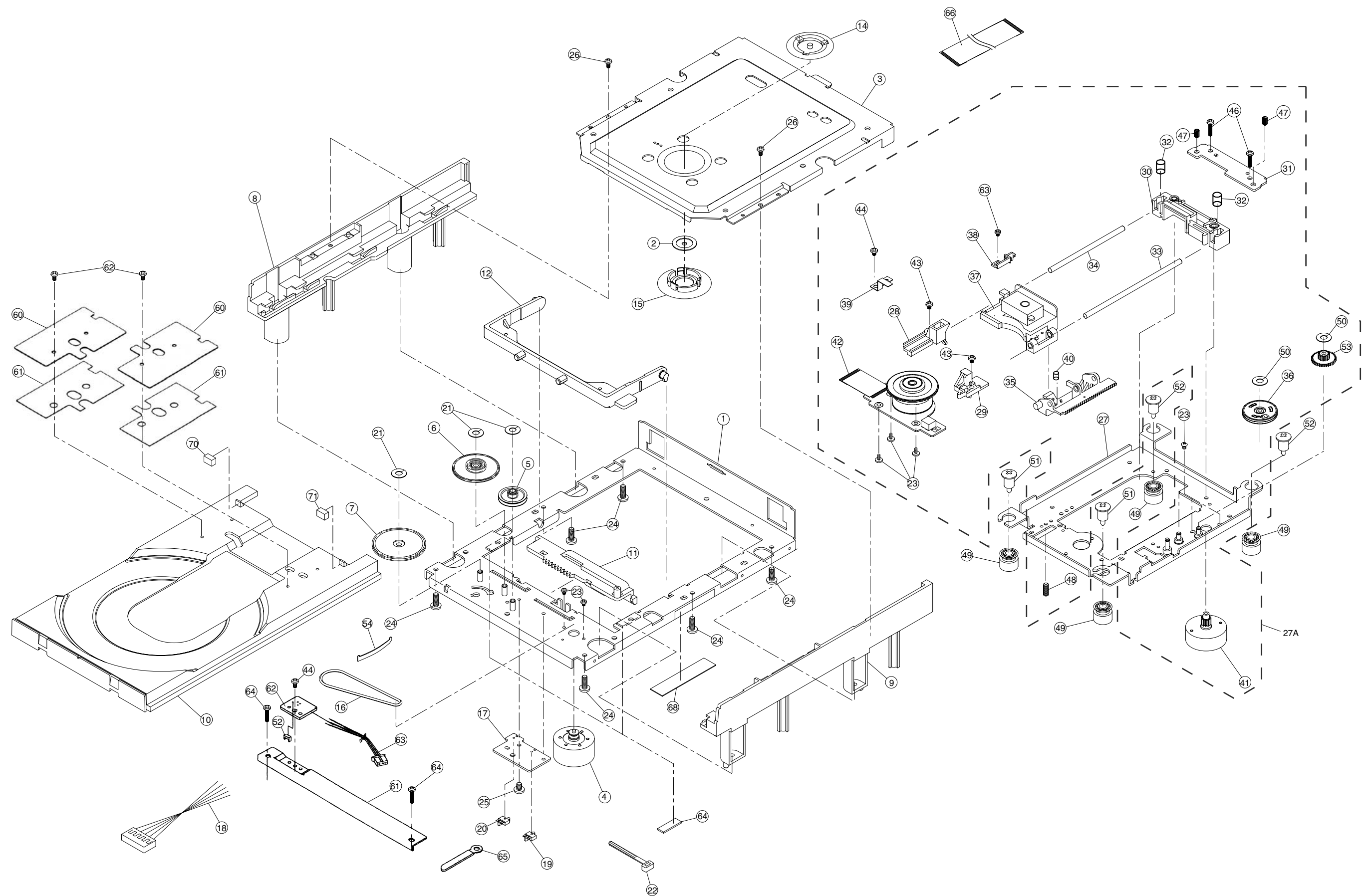
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1. EXPLODED VIEW AND PARTS LIST

P.C.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
	1		nsp	nsp	CHASSIS	MAIN CHASSIS ASSY 9KC 1A01 7
	2		90M13AK160210	90M13AK160210	BRACKET	CLAMPER BRACKET 9KA 7P08 5
	3		nsp	nsp	BRACKET	GUIDE CLAMP BRACKET
	4		90M-MM001290R	90M-MM001290R	MOTOR	LOADING MOTOR ASSY 9KC 2A00 3
	5		90M13AK058230	90M13AK058230	GEAR	LOADING GEAR 9KC 2G02 9
	6		90M13AK058210	90M13AK058210	GEAR	LOADING GEAR 2ND 9KB 9G03 0
	7		90M13AK058220	90M13AK058220	GEAR	LOADING GEAR 3RD 9KB 9G03 1
	8		90M13AK105210	90M13AK105210	CHASSIS	SUB CHASSIS-L 9KA 2G41 7
	9		90M13AK105220	90M13AK105220	CHASSIS	SUB CHASSIS-R 9KA 2G41 8
	10		90M13AK163210	90M13AK163210	TRAY	TRAY-D4 9KA 2G778
	11		90M13AK054210	90M13AK054210	CAM	SLIDE-CAM 9KC 1G00 3
	12		90M13AK002210	90M13AK002210	ARM	TRAVERSE ARM 9KC 1G00 4
	14		90M13AK005210	90M13AK005210	CLAMPER	CLAMPER H 9KA 7G20 2
	15		90M13AK005220	90M13AK005220	CLAMPER	CLAMPER L 9KA 7G20 3
	16		90M13AK264210	90M13AK264210	BELT	LOADING BELT 9KB 9G01 5
	17		nsp	nsp	PCB ASSY	SWITCH P.W.B. 9KC 1P01 4
	18		nsp	nsp	CORD	5P PH WIRE 9KC 2G04 3
	19		90M-SP001260R	90M-SP001260R	SWITCH	SWITCH ESE22MH21 9KS 01W2 04
	20		90M-SP001270R	90M-SP001270R	SWITCH	SWITCH ESE22MH23 9KS 01W2 05
	21		90M13AK012210	90M13AK012210	WASHER	POLY.SLIT WASHER 2.6X6X0.25C 9KP 26C6 25
	22		nsp	nsp	CLAMPER	WIRE CLAMPER 445 8004 007
	23		nsp	nsp	SCREW	PRECISION SCREW 1.7X2.2 TYPE3 9KS 17N0 22
	24		nsp	nsp	SCREW	SCREW 2.6X6 CBTS(B)-Z 9KB 26BK 06
	25		nsp	nsp	SCREW	PRECISION SCREW 2X3(S) TYPE3 9KS 20TK 33
	26		nsp	nsp	SCREW	SCREW 2X6 CBTS(P)-Z 9KB 20PK 06
	27A		90M13AK304210	90M13AK304210	MECHANISM	TRAVERSE MECHA (FEED) ASSY 9KC 2A06 3A
	23		nsp	nsp	SCREW	PRECISION SCREW 1.7X2.2 TYPE3
	27		nsp	nsp	CHASSIS	PU CHASSIS ASSY
	28		nsp	nsp	HOLDER	SHAFT HOLDER L
	29		nsp	nsp	HOLDER	SHAFT HOLDER R
	30		nsp	nsp	BRACKET	SHAFT TILT BASE
	31		nsp	nsp	RETAINER	SHAFT TILT PLATE
	32		nsp	nsp	SPRING	TILT SPRING
	33		nsp	nsp	SHAFT	MAIN SHAFT
	34		nsp	nsp	SHAFT	SUB SHAFT
	35		nsp	nsp	GEAR	PU RACK GEAR
	37		nsp	nsp	MECHANISM	PICK UP HOP-1200R
	38		nsp	nsp	SPRING	PU SPRING
	39		nsp	nsp	SPRING	SHAFT SPRING
	40		nsp	nsp	SPRING	RACK GEAR SPRING
	42		nsp	nsp	MOTOR	T/T MOTOR ASSY
	43		nsp	nsp	SCREW	SCREW 2.6X6 CBTS(S)-Z
	44		nsp	nsp	SCREW	SCREW 2.6X4 CBTS(S)-Z
	46		nsp	nsp	SCREW	SCREW 2.6X15 CFTS(S)-Z
	47		nsp	nsp	SCREW	SCREW 3X4 BSS
	48		nsp	nsp	SCREW	SCREW 3X8 BSS (A)
	63		nsp	nsp	SCREW	PRECISION SCREW 1.7X5 TYPE3
	23		nsp	nsp	SCREW	PRECISION SCREW 1.7X2.2 TYPE3
	36		nsp	nsp	GEAR	FEED GEAR 2ND ASSY
	41		nsp	nsp	MOTOR	FEED MOTOR ASSY
	50		nsp	nsp	WASHER	POLY.SLIT WASHER 2.1X4X0.25C
	53		nsp	nsp	GEAR	FEED GEAR 3RD
	49		90M13AK130210	90M13AK130210	DAMPER	DAMPER-SI25-LB 9KA 2G643
	51		nsp	nsp	SCREW	SPECIAL SCREW (FRONT)
	52		nsp	nsp	SCREW	SPECIAL SCREW (REAR)
	54		90M13AK116210	90M13AK116210	LEAF SPRING	TRAY-SPRING-VXF 9KB 7P02 4
	60		90M13AK104210	90M13AK104210	RETAINER	PLATE-RE-2HPC 9KC 2P03 1
	61		90M13AK104220	90M13AK104220	RETAINER	WF-PLATE-RE-2HPC 9KC 2P03 2
	62		nsp	nsp	SCREW	PRECISION SCREW 2X4(P) TYPE1 9KS 20P1 04
	64		nsp	nsp	CUSHION	RUBBER CUSHION 9KC 1G04 2
	66		90M-YU001350R	90M-YU001350R	FFC	FFC-0.5-24 L=80 9KA 2P70 6
	68		nsp	nsp	TAPE	TAPE W10X45 (NITTO NO.156)
	70		nsp	nsp	CUSHION	CUSHION L 6X3Xt4 9KC 2G07 6
	71		nsp	nsp	CUSHION	CUSHION R 6X3Xt2 9KC 2G07 7

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



Super Audio CD PCB Module

Super Audio CD Player : SA-15S1

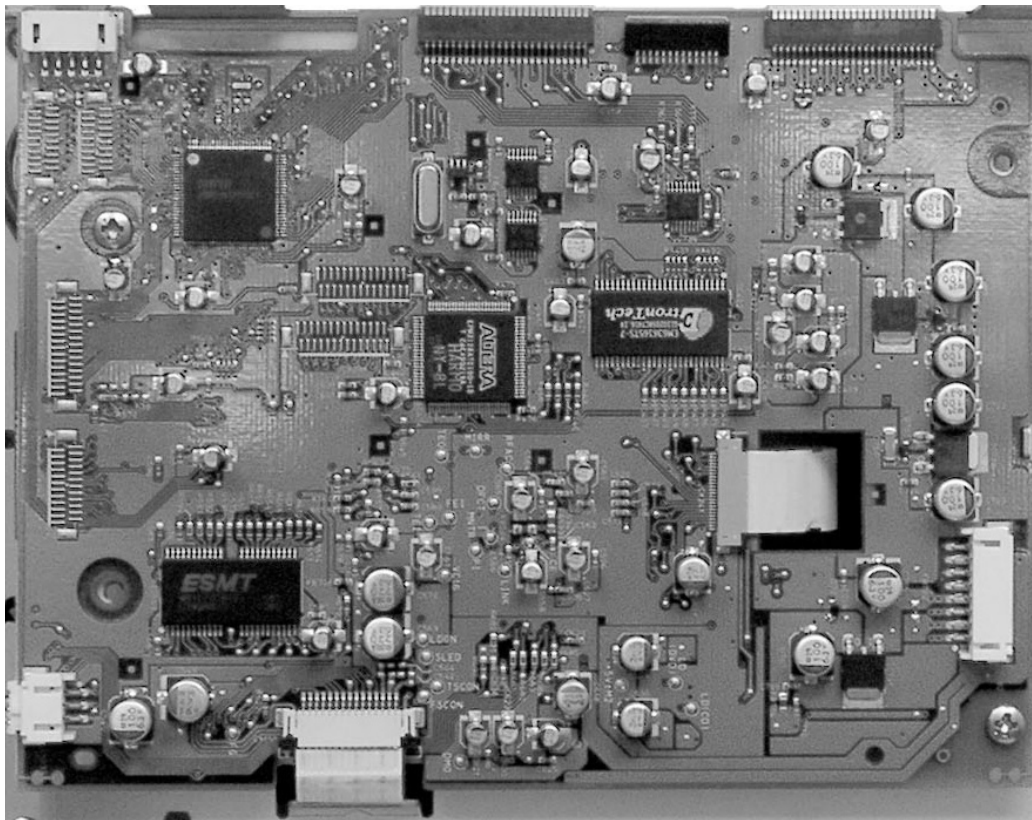
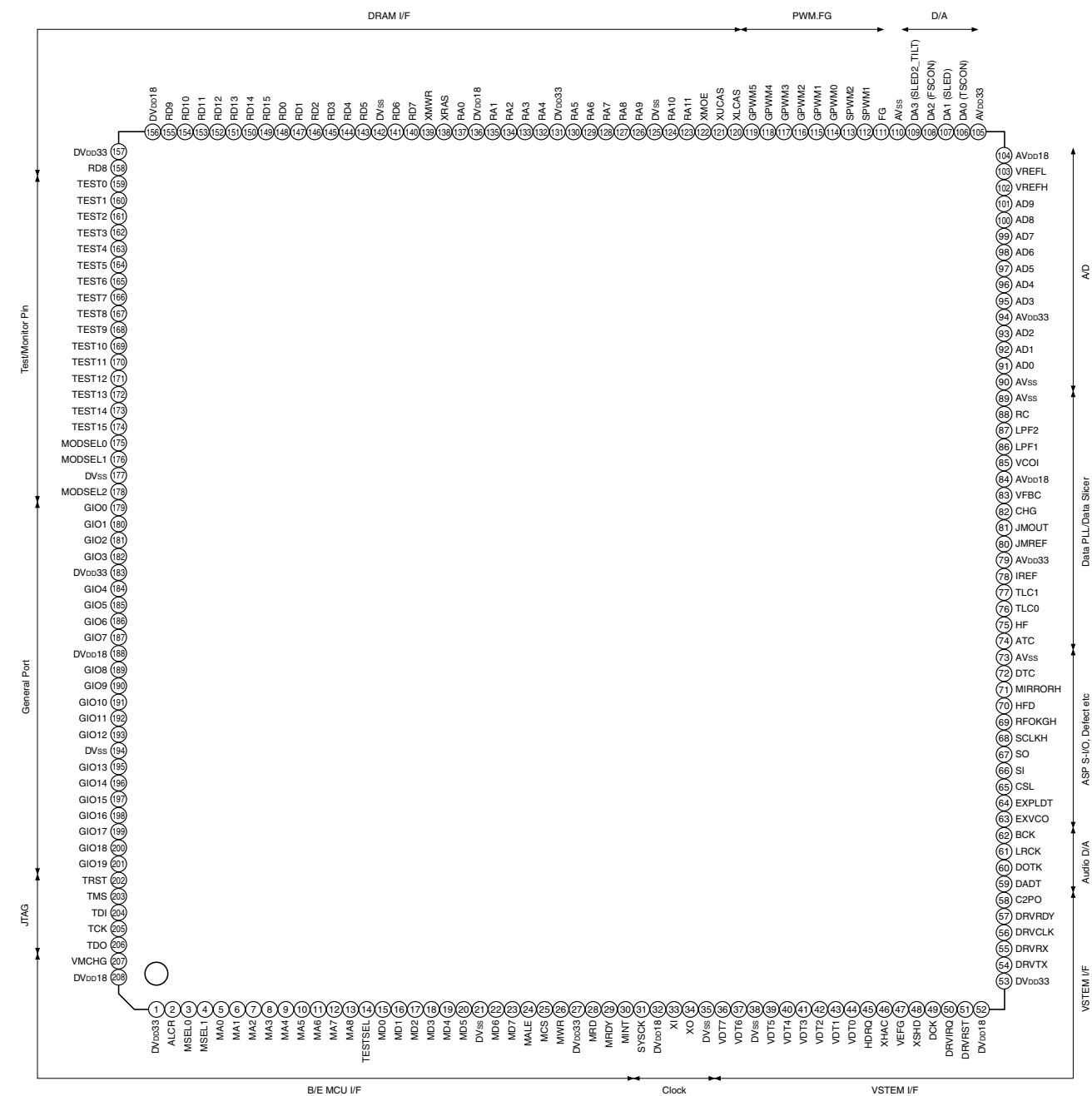


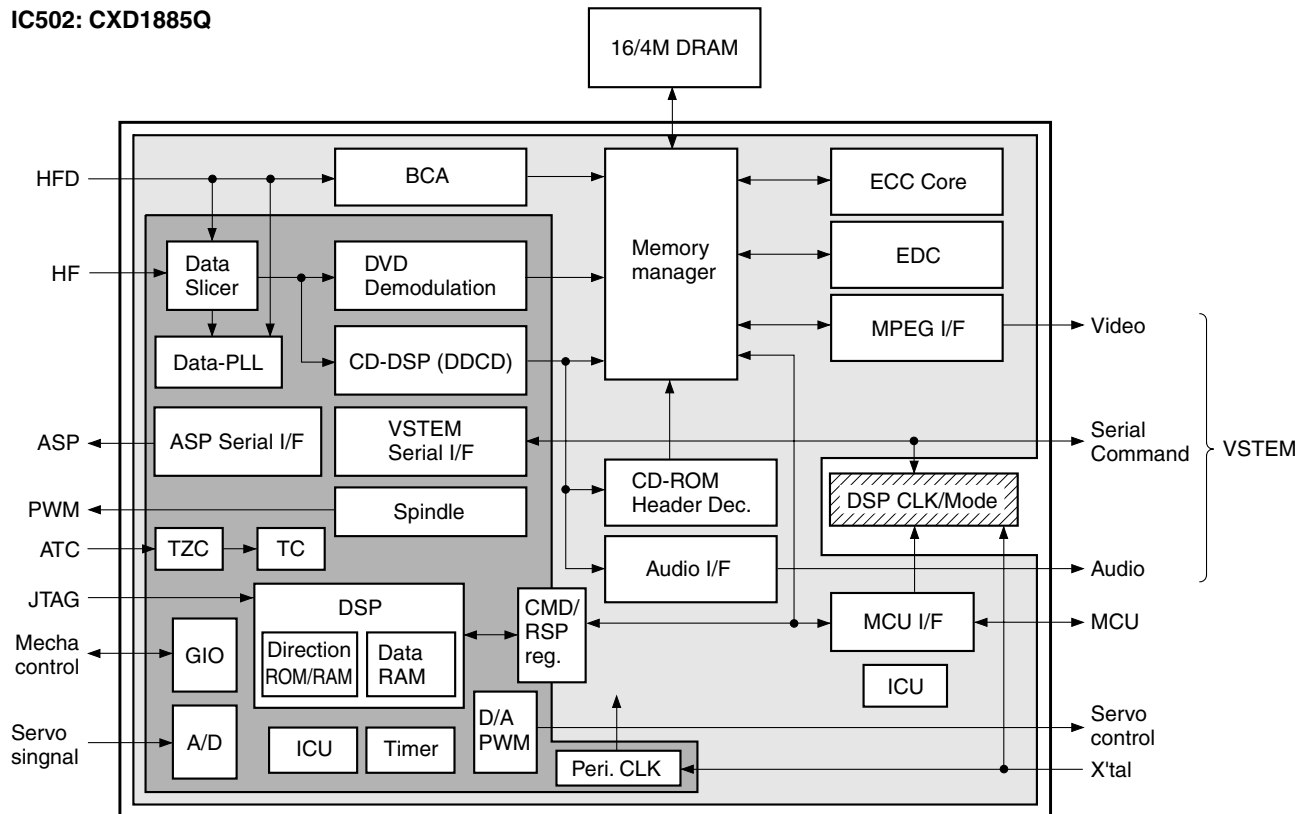
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1. IC DATA

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.			

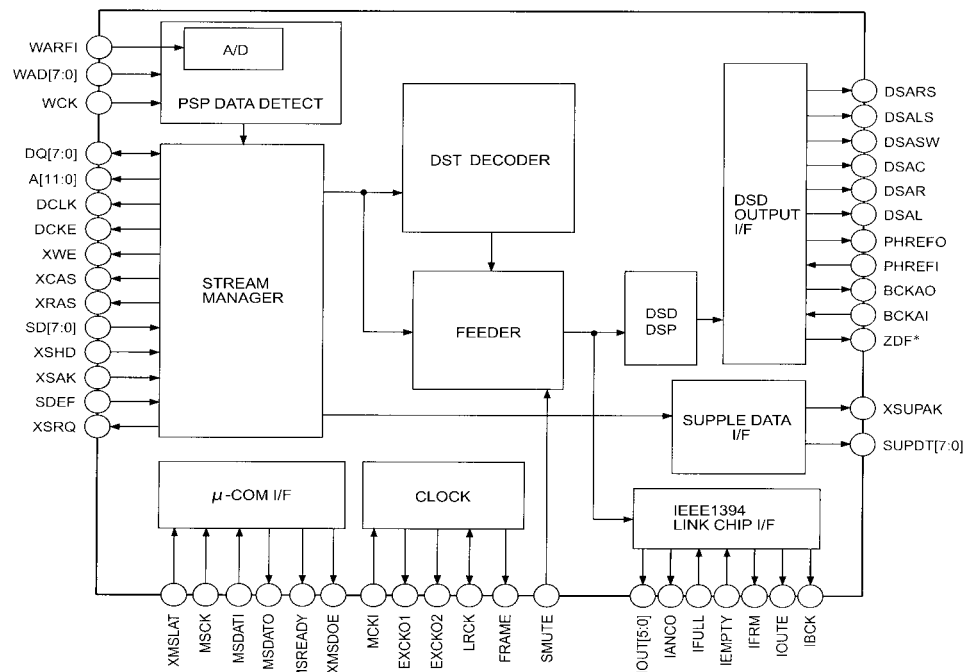
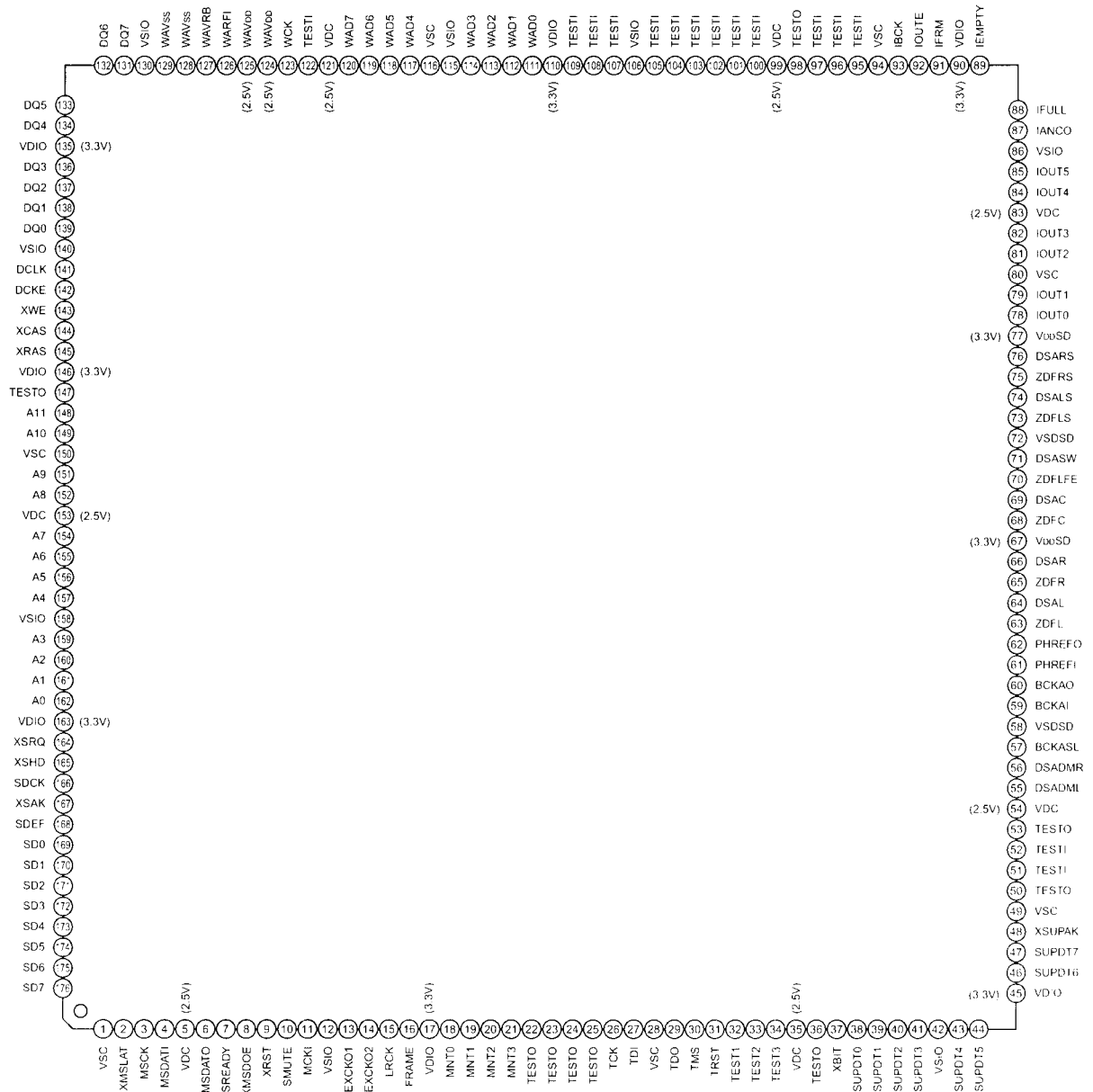
IC502: CXD1885Q

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.			

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

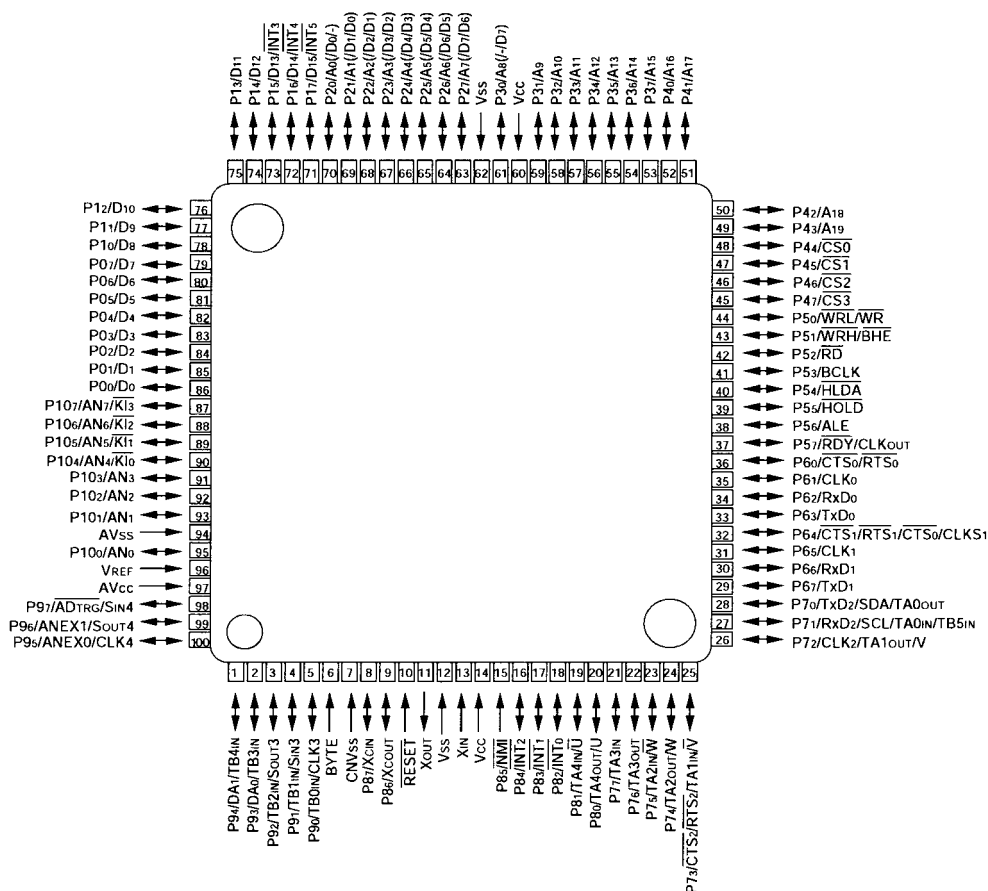
No.	Pin Name	I/O	Functions
63	ZDFL	O	Lch zero-data detection flag (at the time of mcom setup). It will be set to "H" if non-sound data continues 300 msecs.
64	DSAL	O	DSD data output terminal for Lch speaker.
65	ZDFR	O	Rch zero-data detection flag (at the time of mcom setup). It will be set to "H" if 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

IC731: M30624FGNGP



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		

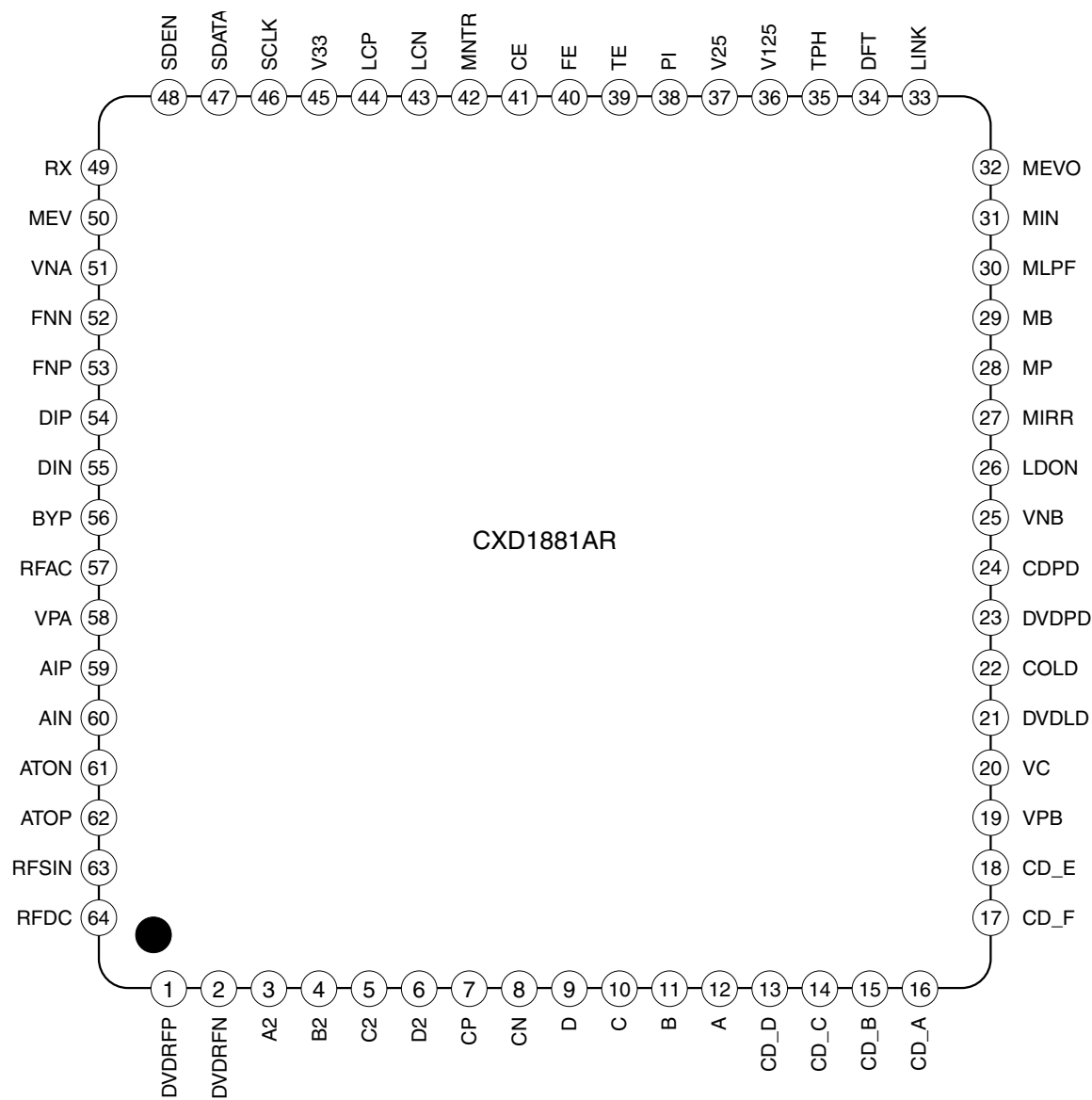
IC731: M30624FGNGP

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	DRVIRST	RESET for CXD1885Q(RESET=L)	Flash(w:pull up)	
33	P63/TXD0	TXD0	O	H	DRVIRX	SERIAL DATA for CXD1885Q		
34	P62/RXD0	RXD0	I		DRVITX	SERIAL DATA from CXD1885Q		
35	P61/CLK0	CLK0	O	H	DRVCLK	DATA CLOCK for CXD1885Q		
36	P60/CTS0~/RTS0~	CTS0~	I		DRVIRDY	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		

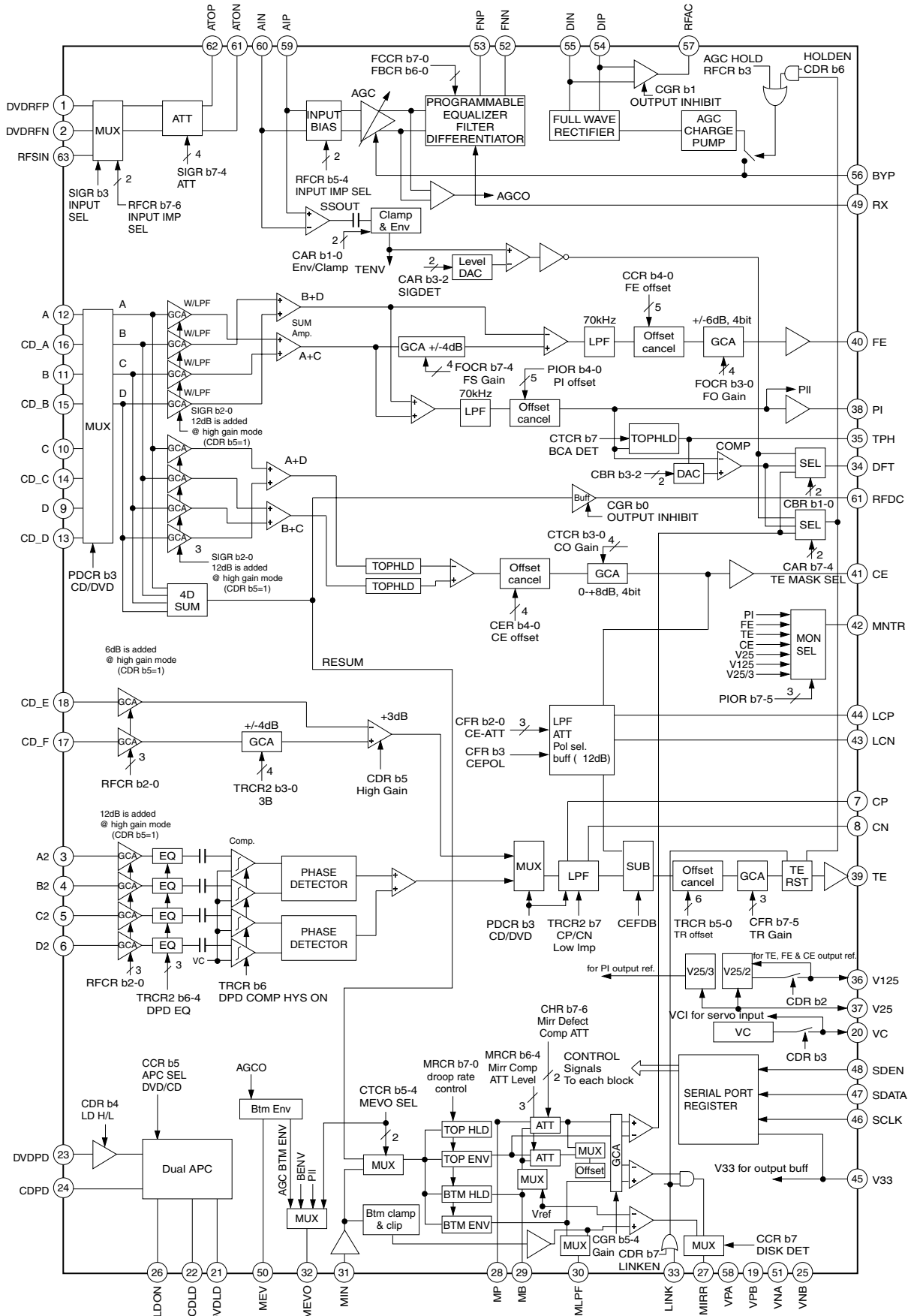
IC731: M30624FGNGP

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

IC7501: CDX1881AR



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

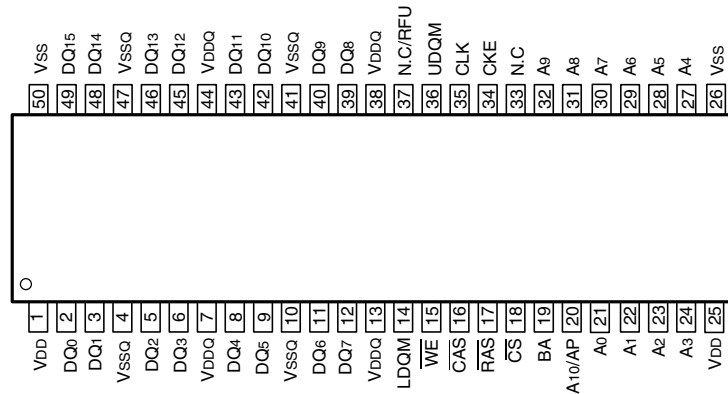
Analog Pins

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

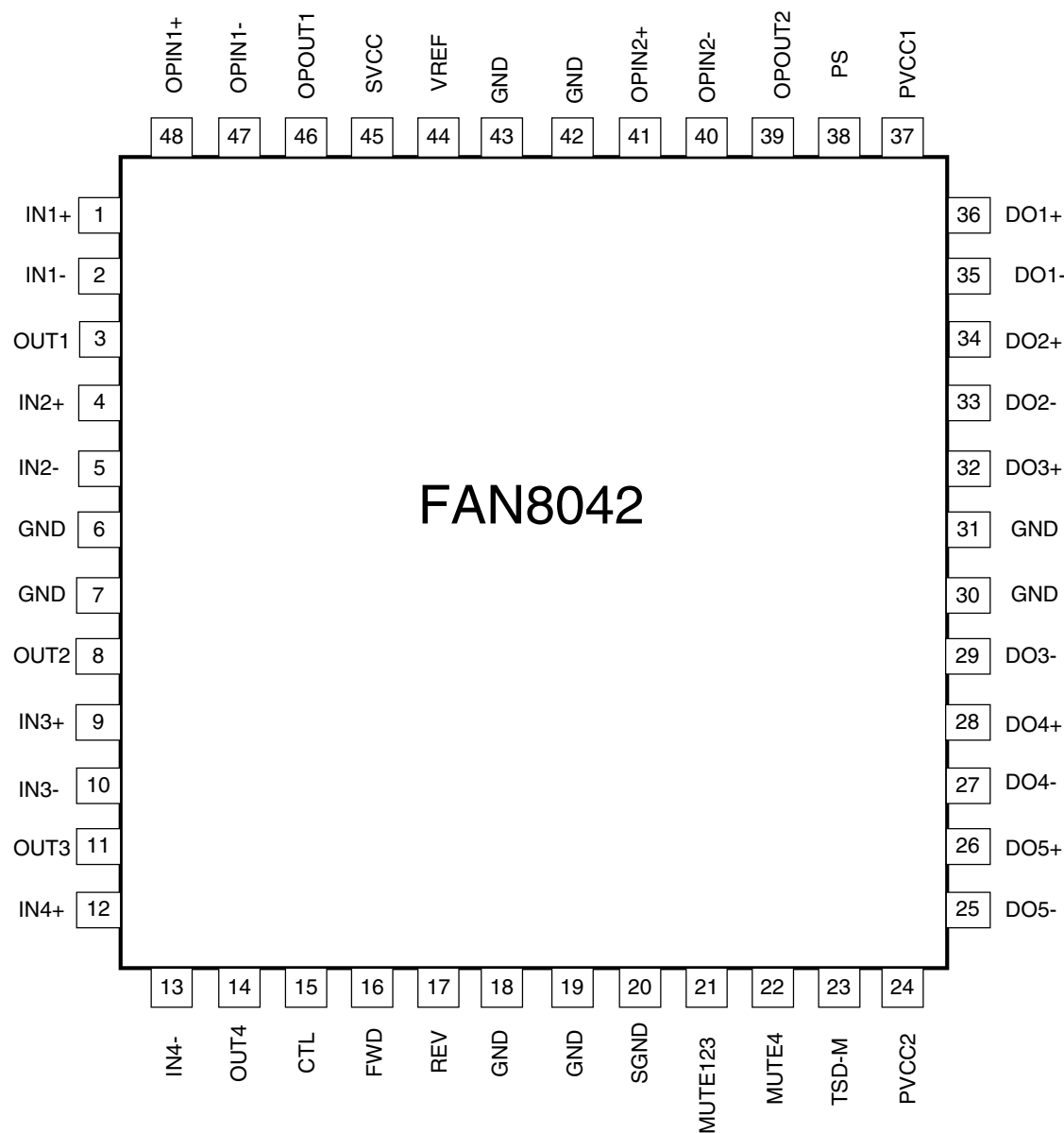
Name	I/O	Function
SDEN	I	Serial data enable
SDATA	I/O	Serial data
SCLK	I	Serial clock

IC402: 16M SDRAM (EM636165TS-7 etc)



Terminal Function

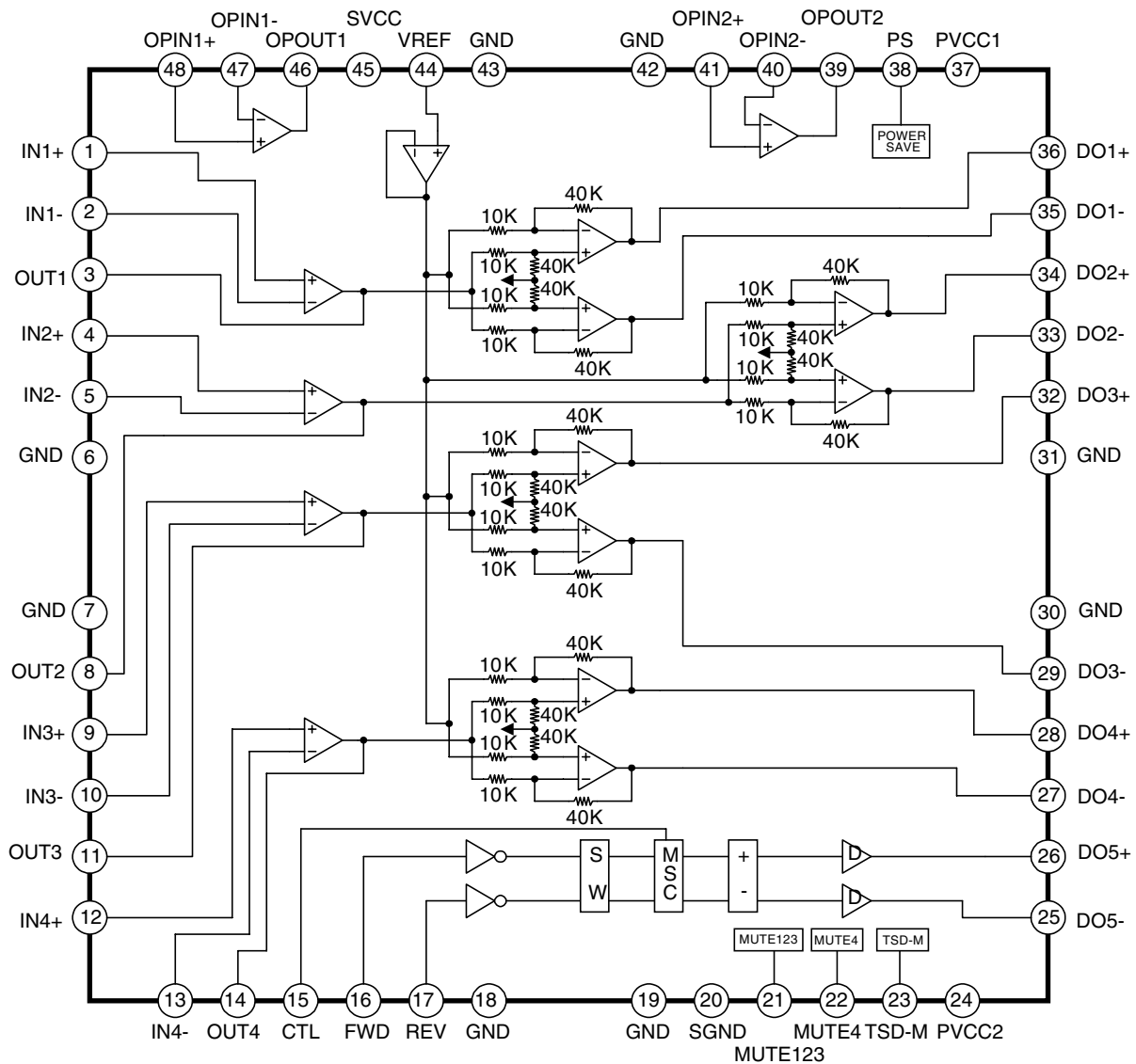
Pin No.	Pin Name	Symbol	Function
1	VDD	Power Supply/Ground	Power and ground for the input buffer and the core logic
2	DQ0	Data Input/Output	Data input/output are multiplexed on the same pin
3	DQ1	Data Input/Output	Data input/output are multiplexed on the same pin
4	VSSQ	Data Output Power/Ground	Isolated 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	LDQM	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	UDQM	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



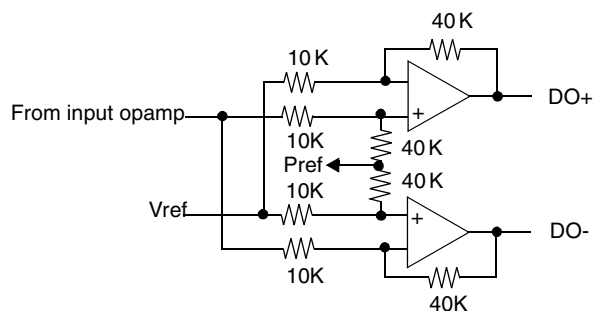
IC508: FAN8042

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

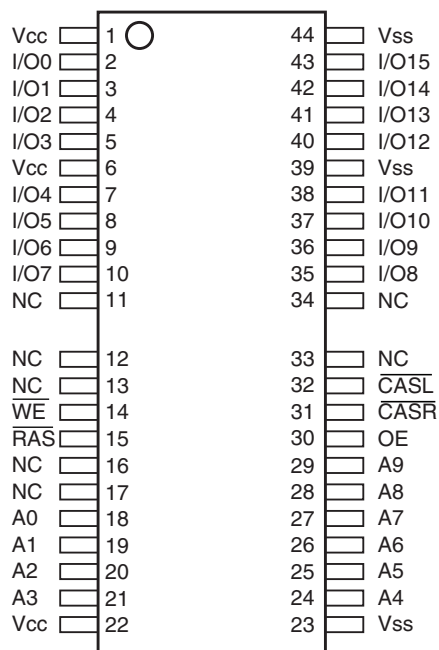


Note. Detailed circuit of the output power amp



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

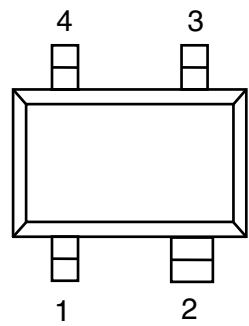
IC503: M11L16161SA-45T



PIN DESCRIPTIONS

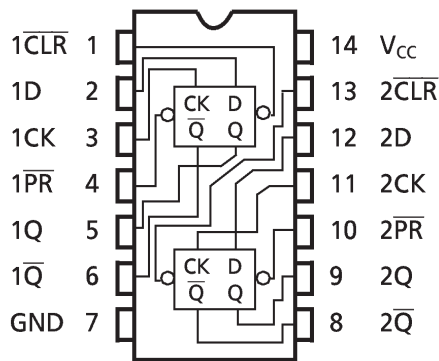
PIN NO. (SOJ Package)	PIN NAME	TYPE	DESCRIPTION
17~20,23~28	A0~A9	Input	Address Input Row Address:A0~A9 Column Address:A0~A9
14	$\overline{\text{RAS}}$	Input	Row Address Strobe
30	$\overline{\text{CASH}}$	Input	Column Address Strobe/Upper Byte Control
31	$\overline{\text{CASL}}$	Input	Column Address 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

IC733: S-80843C

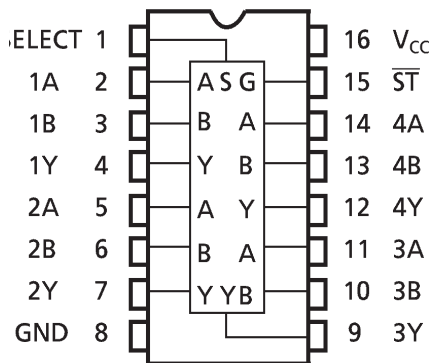


1	OUT
2	VDD
3	N.C.
4	VSS

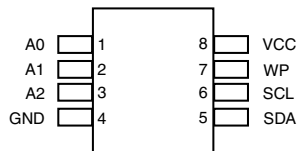
IC734: TC74VHC74FT



IC736: TC74VHC157FT



IC737: AT24C04

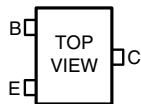


Pin Configurations

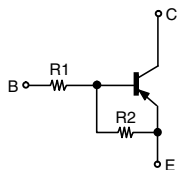
Pin Name	Function
A0 - A2	Address Inputs
SDA	Sedrial Data
SCL	Sedrial Clock Input
WP	Write Protect
NC	No Connect

TRASISTORS

DTA114EK — PNP
DTC114EK — NPN

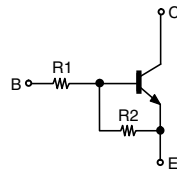


DTA Series



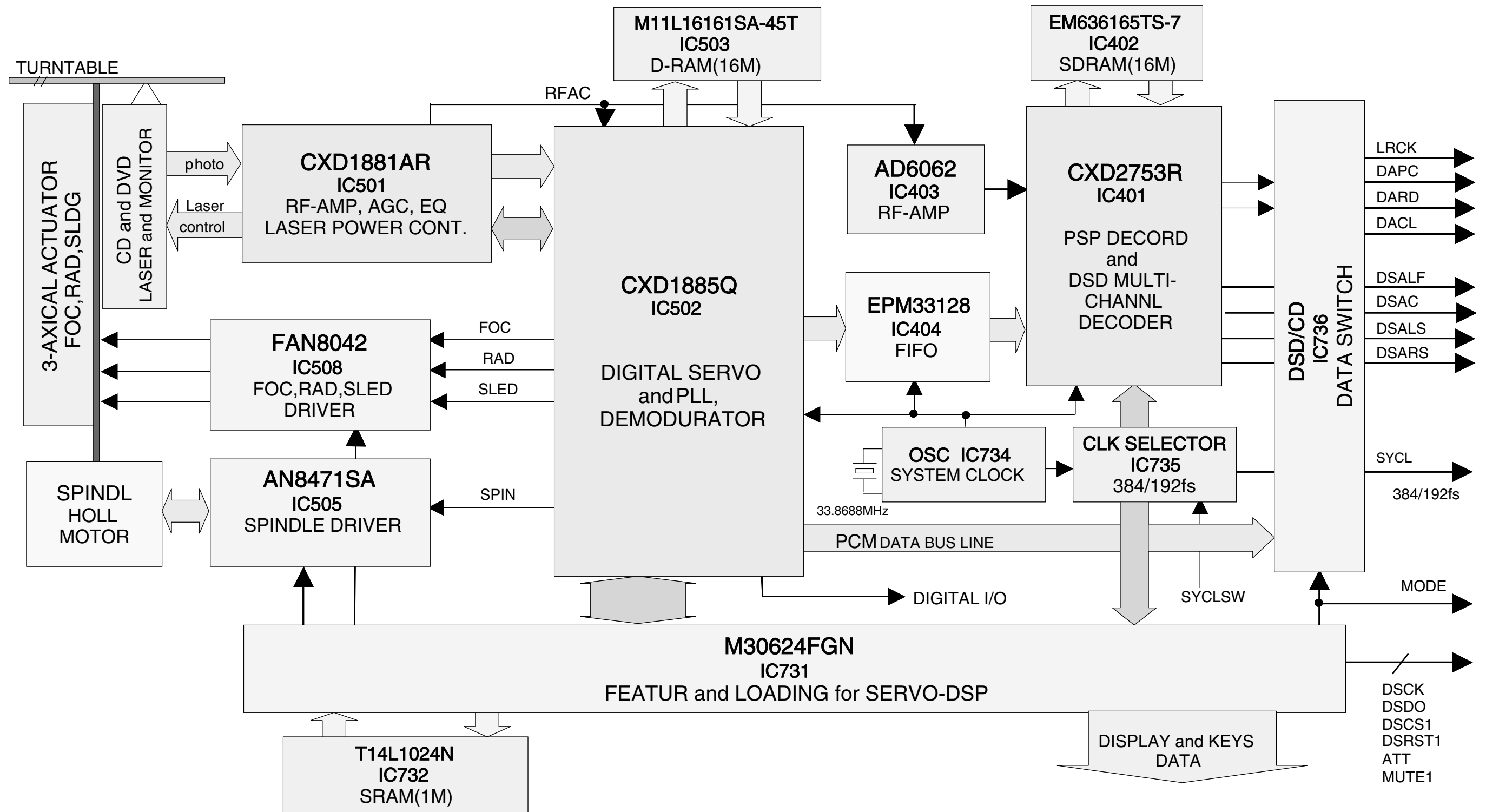
	R1	R2
DTA114EK	10kohm	10kohm

DTC Series



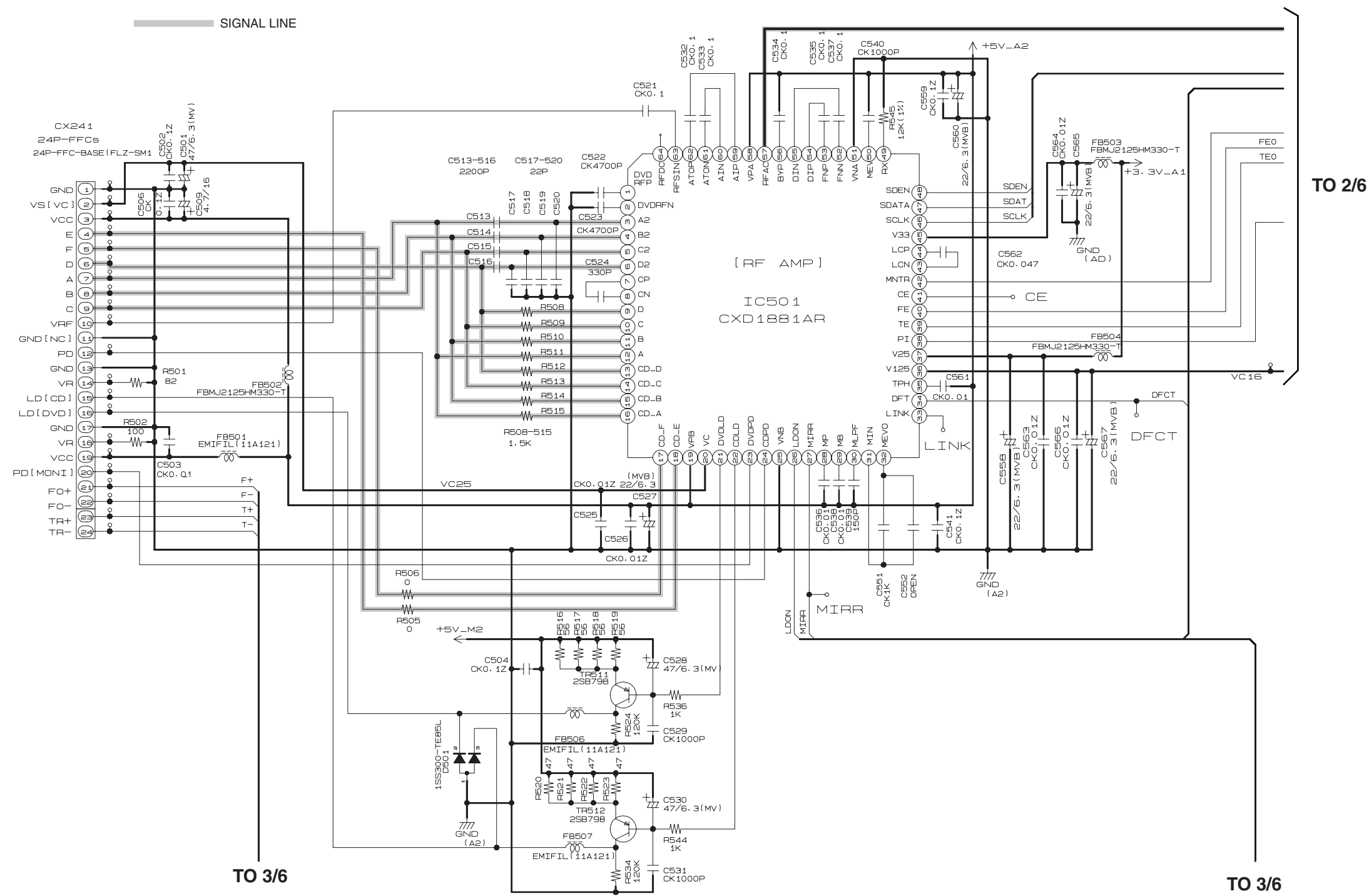
	R1	R2
DTC114EK	10kohm	10kohm

2. BLOCK DIAGRAM

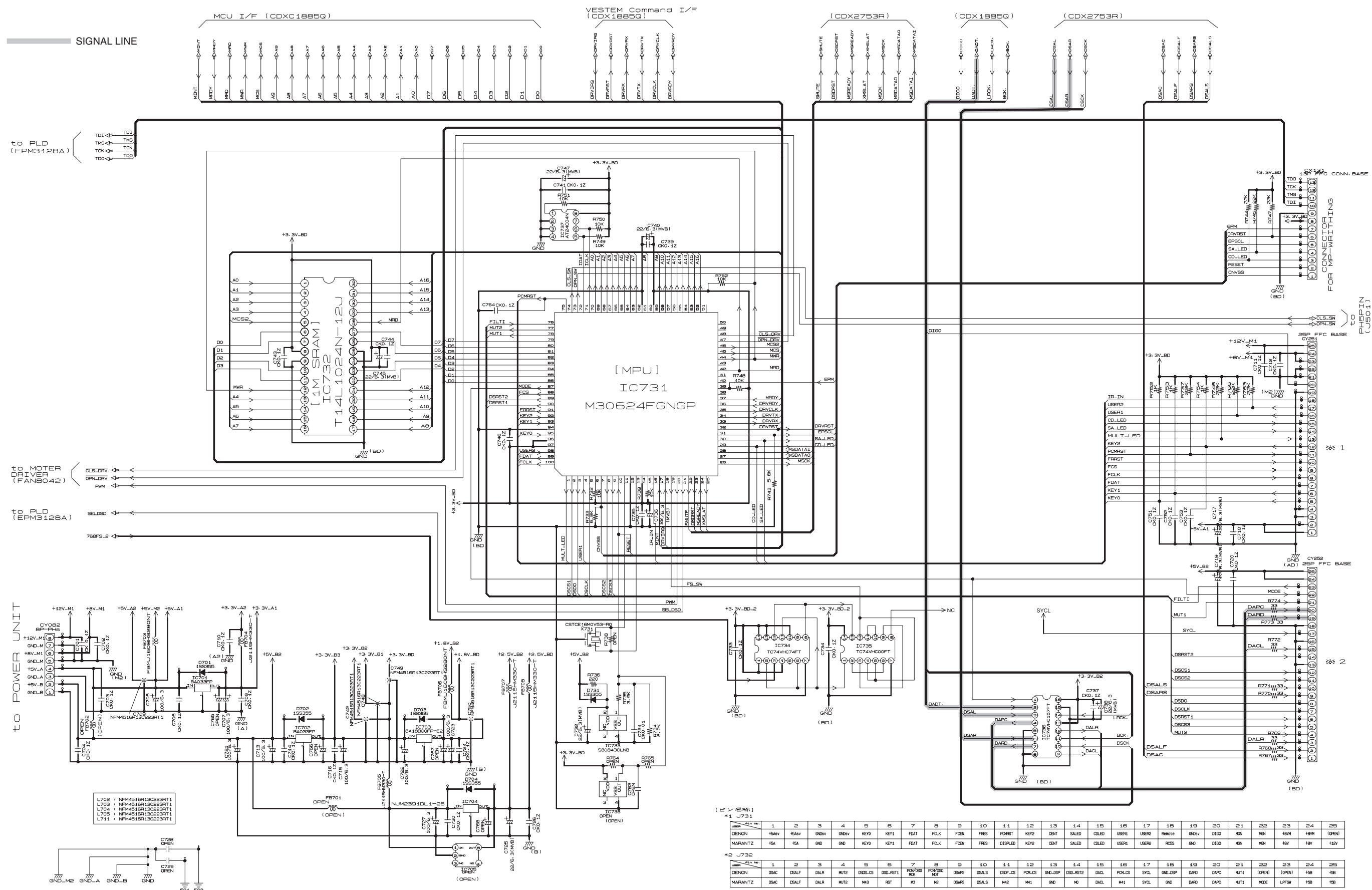


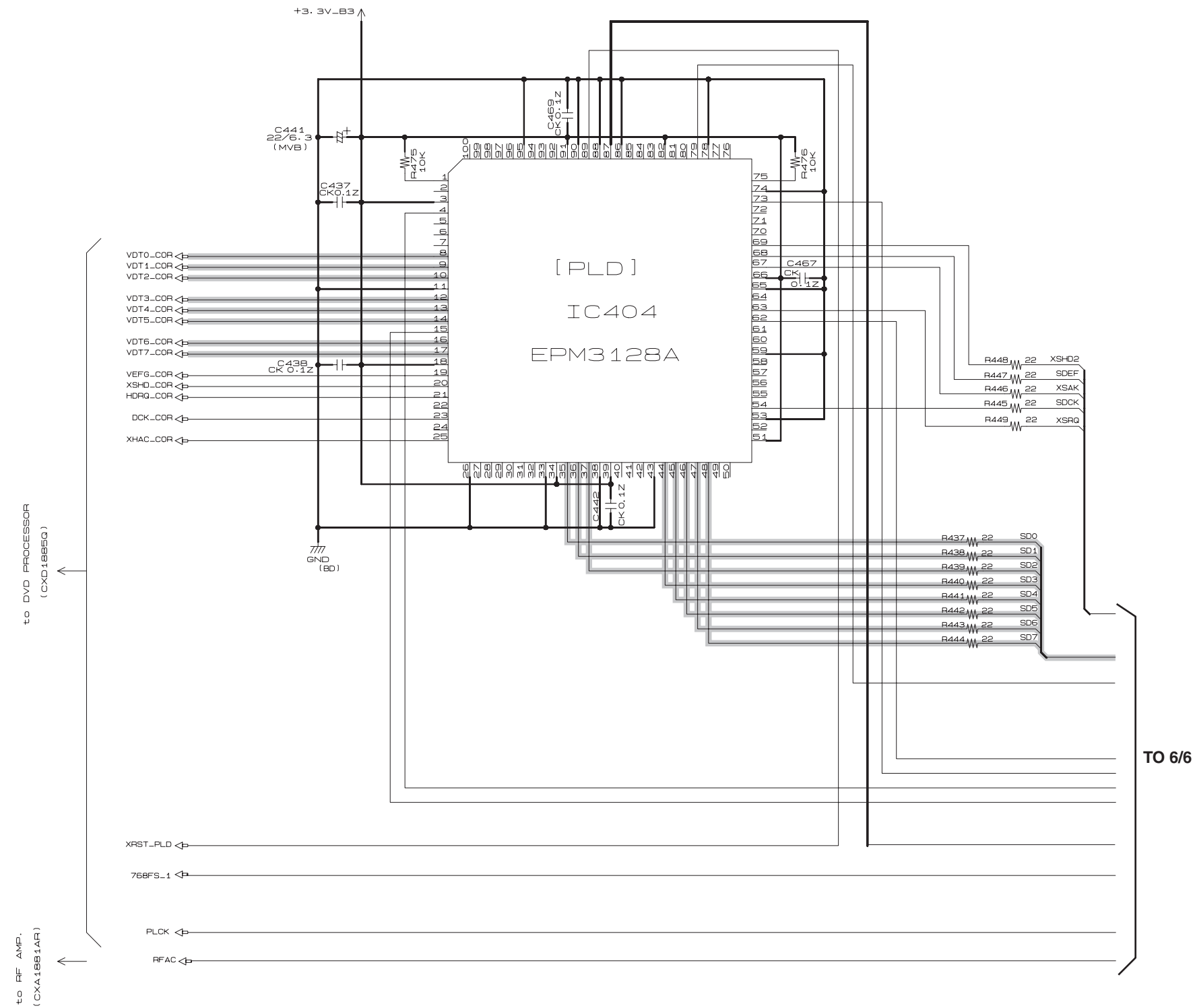
3. SCHEMATIC DIAGRAM

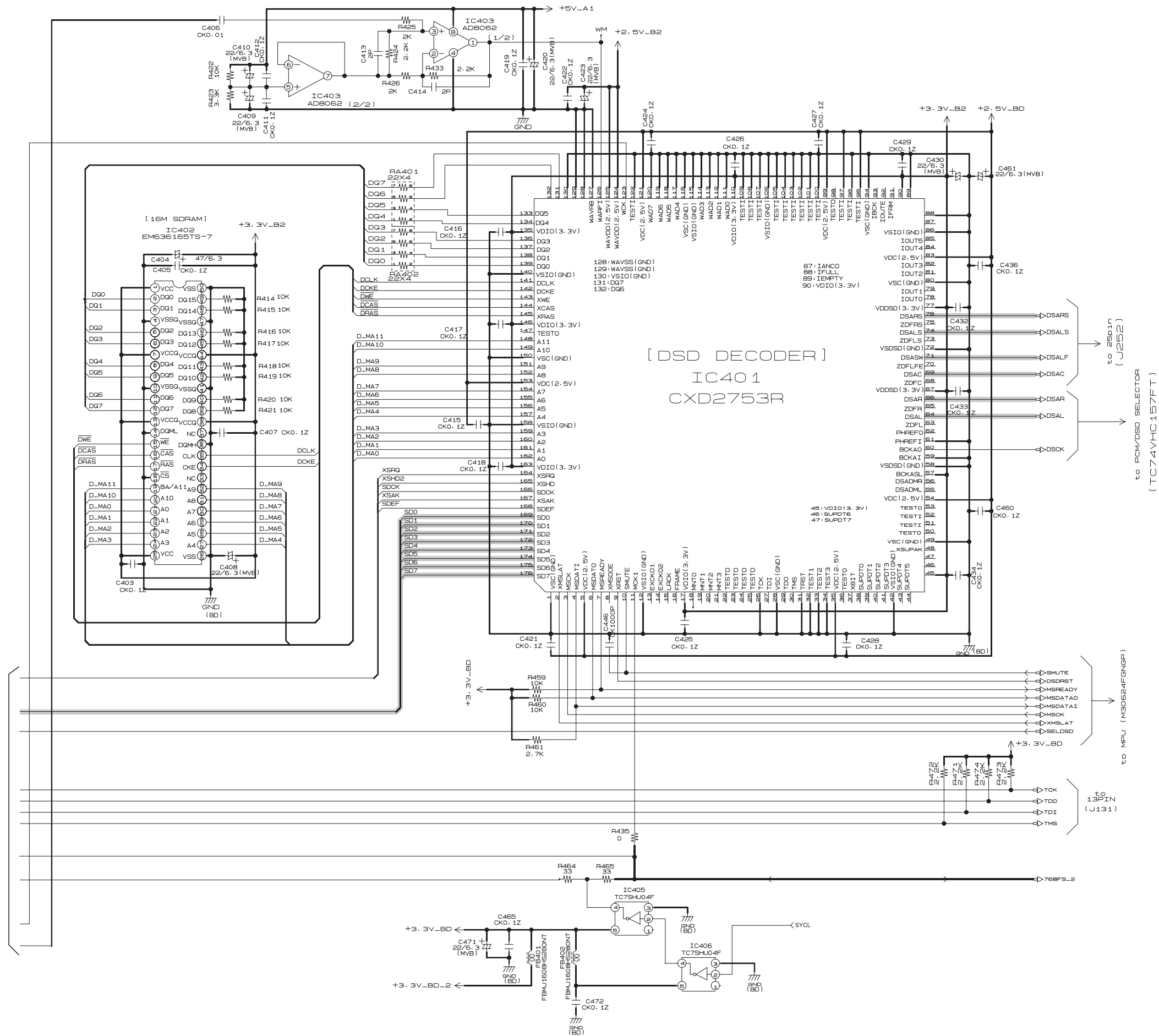
Super Audio CD MODULE UNIT - 1/6





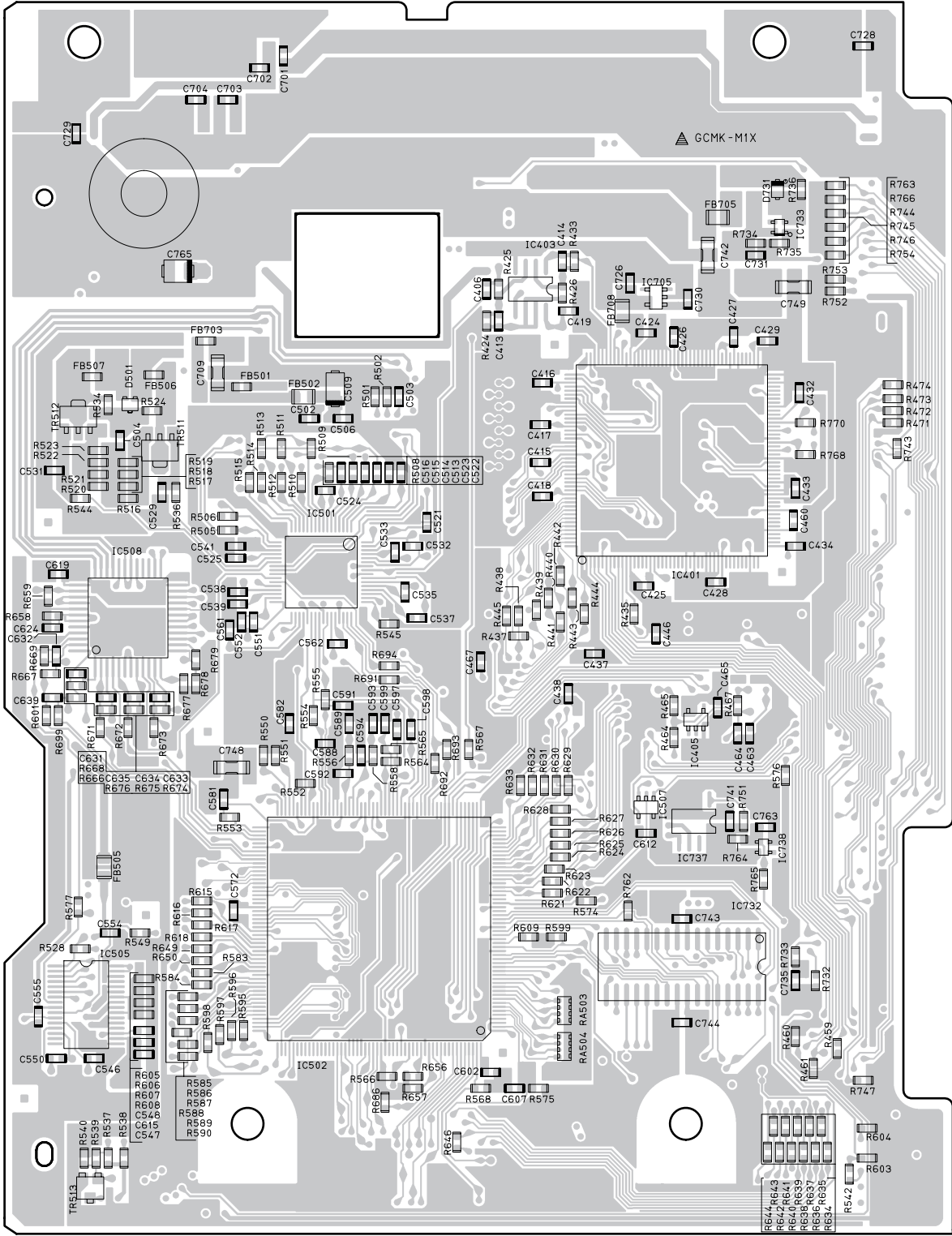




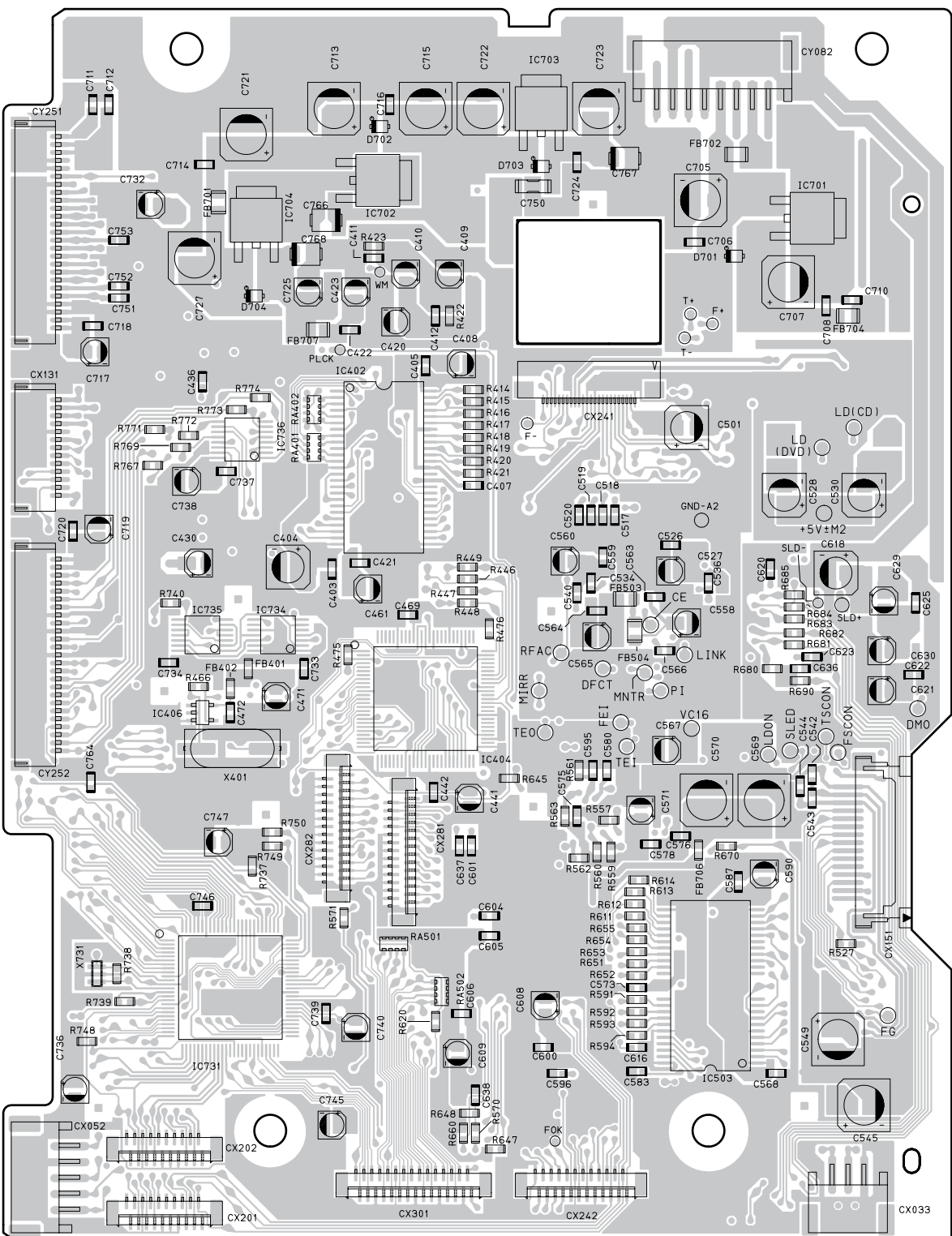


4. PARTS LOCATION

Super Audio CD MODULE UNIT



COMPONENT SIDE



FOIL SIDE

5. ELECTRICAL PARTS LIST

P.C.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
1U-3648	C-403		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-404		00MEY47600620	00MEY47600620	ELECT. CHIP	CE67C0J470MT(MV) +REF 00D2544464964
1U-3648	C-405		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-406		nsp	00MDK96103300	CERAMIC CAP.	CK73B1H103KT (1608) +1608 00D2570501901
1U-3648	C-407		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-408		00MEY22600620	00MEY22600620	ELECT. CHIP	CE67C0J220MT(MV-B) +REF 00D2544464951
1U-3648	C-409		00MEY22600620	00MEY22600620	ELECT. CHIP	CE67C0J220MT(MV-B) +REF 00D2544464951
1U-3648	C-410		00MEY22600620	00MEY22600620	ELECT. CHIP	CE67C0J220MT(MV-B) +REF 00D2544464951
1U-3648	C-411		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-412		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-413		nsp	00MDD90020300	CERAMIC CAP.	CC73CH1H2R0CT +1608 00D2570502942
1U-3648	C-414		nsp	00MDD90020300	CERAMIC CAP.	CC73CH1H2R0CT +1608 00D2570502942
1U-3648	C-415		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-416		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-417		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-418		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-419		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-420		00MEY22600620	00MEY22600620	ELECT. CHIP	CE67C0J220MT(MV-B) +REF 00D2544464951
1U-3648	C-421		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-422		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-423		00MEY22600620	00MEY22600620	ELECT. CHIP	CE67C0J220MT(MV-B) +REF 00D2544464951
1U-3648	C-424		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-425		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-426		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-427		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-428		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-429		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-430		00MEY22600620	00MEY22600620	ELECT. CHIP	CE67C0J220MT(MV-B) +REF 00D2544464951
1U-3648	C-432		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-433		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-434		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-436		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-437		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-438		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-441		00MEY22600620	00MEY22600620	ELECT. CHIP	CE67C0J220MT(MV-B) +REF 00D2544464951
1U-3648	C-442		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-446		nsp	00MDK96102300	CERAMIC CAP.	CK73B1H102KT +1608 00D2570509929
1U-3648	C-460		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-461		00MEY22600620	00MEY22600620	ELECT. CHIP	CE67C0J220MT(MV-B) +REF 00D2544464951
1U-3648	C-465		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-467		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-469		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-471		00MEY22600620	00MEY22600620	ELECT. CHIP	CE67C0J220MT(MV-B) +REF 00D2544464951
1U-3648	C-472		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-501		00MEY47600620	00MEY47600620	ELECT. CHIP	CE67C0J470MT(MV) +REF 00D2544464964
1U-3648	C-502		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-503		nsp	00MDK96103300	CERAMIC CAP.	CK73B1H103KT (1608) +1608 00D2570501901
1U-3648	C-504		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-506		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-509		00MEY47501050	00MEY47501050	TANTL.CAP CHIP	CS77B1A475MT +C 00D2572012906
1U-3648	C-513		nsp	00MDK96222300	CERAMIC CAP.	CK73B1H222KT +1608 00D2570509990
1U-3648	C-514		nsp	00MDK96222300	CERAMIC CAP.	CK73B1H222KT +1608 00D2570509990
1U-3648	C-515		nsp	00MDK96222300	CERAMIC CAP.	CK73B1H222KT +1608 00D2570509990
1U-3648	C-516		nsp	00MDK96222300	CERAMIC CAP.	CK73B1H222KT +1608 00D2570509990
1U-3648	C-517		nsp	00MDD95220300	CERAMIC CAP.	CC73CH1H220JT +1608 00D2570504908
1U-3648	C-518		nsp	00MDD95220300	CERAMIC CAP.	CC73CH1H220JT +1608 00D2570504908
1U-3648	C-519		nsp	00MDD95220300	CERAMIC CAP.	CC73CH1H220JT +1608 00D2570504908
1U-3648	C-520		nsp	00MDD95220300	CERAMIC CAP.	CC73CH1H220JT +1608 00D2570504908
1U-3648	C-521		nsp	00MDK96104300	CERAMIC CAP.	CK73B1E104KT +1608 00D2570516954
1U-3648	C-522		nsp	00MDK96472300	CERAMIC CAP.	CK73B1H472KT +1608 00D2570510934
1U-3648	C-523		nsp	00MDK96472300	CERAMIC CAP.	CK73B1H472KT +1608 00D2570510934
1U-3648	C-524		nsp	00MDK96331300	CERAMIC CAP.	CC73CH1H331JT +1608 00D2570507976
1U-3648	C-525		nsp	00MDK98103300	CERAMIC CAP.	CK73F1H103ZT +1608 00D2570511904
1U-3648	C-526		nsp	00MDK98103300	CERAMIC CAP.	CK73F1H103ZT +1608 00D2570511904
1U-3648	C-527		00MEY22600620	00MEY22600620	ELECT. CHIP	CE67C0J220MT(MV-B) +REF 00D2544464951
1U-3648	C-528		00MEY47600620	00MEY47600620	ELECT. CHIP	CE67C0J470MT(MV) +REF 00D2544464964
1U-3648	C-529		nsp	00MDK96102300	CERAMIC CAP.	CK73B1H102KT +1608 00D2570509929
1U-3648	C-530		00MEY47600620	00MEY47600620	ELECT. CHIP	CE67C0J470MT(MV) +REF 00D2544464964

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

P.C.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJ)	PART NAME	DESCRIPTION
1U-3648	C-531		nsp	00MDK96102300	CERAMIC CAP.	CK73B1H102KT +1608 00D2570509929
1U-3648	C-532		nsp	00MDK96104300	CERAMIC CAP.	CK73B1E104KT +1608 00D2570516954
1U-3648	C-533		nsp	00MDK96104300	CERAMIC CAP.	CK73B1E104KT +1608 00D2570516954
1U-3648	C-534		nsp	00MDK96104300	CERAMIC CAP.	CK73B1E104KT +1608 00D2570516954
1U-3648	C-534		nsp	00MDK96104300	CERAMIC CAP.	CK73B1E104KT +1608 00D2570516954
1U-3648	C-535		nsp	00MDK96104300	CERAMIC CAP.	CK73B1E104KT +1608 00D2570516954
1U-3648	C-535		nsp	00MDK96104300	CERAMIC CAP.	CK73B1E104KT +1608 00D2570516954
1U-3648	C-536		nsp	00MDK96103300	CERAMIC CAP.	CK73B1H103KT (1608) +1608 00D2570501901
1U-3648	C-537		nsp	00MDK96104300	CERAMIC CAP.	CK73B1E104KT +1608 00D2570516954
1U-3648	C-537		nsp	00MDK96104300	CERAMIC CAP.	CK73B1E104KT +1608 00D2570516954
1U-3648	C-538		nsp	00MDK96103300	CERAMIC CAP.	CK73B1H103KT (1608) +1608 00D2570501901
1U-3648	C-539		nsp	00MDD95151300	CERAMIC CAP.	CC73CH1H151JT +1608 00D2570506993
1U-3648	C-540		nsp	00MDK96102300	CERAMIC CAP.	CK73B1H102KT +1608 00D2570509929
1U-3648	C-541		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-545		00MEY10700620	00MEY10700620	ELECT. CHIP	CE67C0J101MT +REF 00D2544464906
1U-3648	C-546		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-547		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-548		nsp	00MDK98103300	CERAMIC CAP.	CK73F1H103ZT +1608 00D2570511904
1U-3648	C-549		00MEY47601620	00MEY47601620	ELECT. CHIP	CE67C1C470MT +REF 00D2544465918
1U-3648	C-550		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-551		nsp	00MDK96105200	CERAMIC CAP.	CK73B1A105KT +1608 00D2570521907
1U-3648	C-554		nsp	00MDK96104300	CERAMIC CAP.	CK73B1E104KT +1608 00D2570516954
1U-3648	C-555		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-558		00MEY22600620	00MEY22600620	ELECT. CHIP	CE67C0J220MT(MV-B) +REF 00D2544464951
1U-3648	C-559		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-560		00MEY22600620	00MEY22600620	ELECT. CHIP	CE67C0J220MT(MV-B) +REF 00D2544464951
1U-3648	C-561		nsp	00MDK96104300	CERAMIC CAP.	CK73B1E104KT +1608 00D2570516954
1U-3648	C-562		nsp	00MDK96473200	CERAMIC CAP.	CK73B1E473KT +1608 00D2570516941
1U-3648	C-563		nsp	00MDK98103300	CERAMIC CAP.	CK73F1H103ZT +1608 00D2570511904
1U-3648	C-564		nsp	00MDK98103300	CERAMIC CAP.	CK73F1H103ZT +1608 00D2570511904
1U-3648	C-565		00MEY22600620	00MEY22600620	ELECT. CHIP	CE67C0J220MT(MV-B) +REF 00D2544464951
1U-3648	C-566		nsp	00MDK98103300	CERAMIC CAP.	CK73F1H103ZT +1608 00D2570511904
1U-3648	C-567		00MEY22600620	00MEY22600620	ELECT. CHIP	CE67C0J220MT(MV-B) +REF 00D2544464951
1U-3648	C-568		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-569		00MEY22700690	00MEY22700690	ELECT. CHIP	CE67C0J221MT(MVA) +REF 00D2544645903
1U-3648	C-570		00MEY22700690	00MEY22700690	ELECT. CHIP	CE67C0J221MT(MVA) +REF 00D2544645903
1U-3648	C-571		00MEY22600620	00MEY22600620	ELECT. CHIP	CE67C0J220MT(MV-B) +REF 00D2544464951
1U-3648	C-572		nsp	00MDK98103300	CERAMIC CAP.	CK73F1H103ZT +1608 00D2570511904
1U-3648	C-573		nsp	00MDK98103300	CERAMIC CAP.	CK73F1H103ZT +1608 00D2570511904
1U-3648	C-575		nsp	00MDK98103300	CERAMIC CAP.	CK73F1H103ZT +1608 00D2570511904
1U-3648	C-576		nsp	00MDK98103300	CERAMIC CAP.	CK73F1H103ZT +1608 00D2570511904
1U-3648	C-578		nsp	00MDK98103300	CERAMIC CAP.	CK73F1H103ZT +1608 00D2570511904
1U-3648	C-580		nsp	00MDK98103300	CERAMIC CAP.	CK73F1H103ZT +1608 00D2570511904
1U-3648	C-581		nsp	00MDK96473200	CERAMIC CAP.	CK73B1E473KT +1608 00D2570516941
1U-3648	C-582		nsp	00MDK98103300	CERAMIC CAP.	CK73F1H103ZT +1608 00D2570511904
1U-3648	C-583		nsp	00MDK98103300	CERAMIC CAP.	CK73F1H103ZT +1608 00D2570511904
1U-3648	C-587		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-588		nsp	00MDK96331300	CERAMIC CAP.	CC73CH1H331JT +1608 00D2570507976
1U-3648	C-589		nsp	00MDK96154200	CERAMIC CAP.	CK73B1A154KT +1608 00D2570520908
1U-3648	C-590		00MEY22600620	00MEY22600620	ELECT. CHIP	CE67C0J220MT(MV-B) +REF 00D2544464951
1U-3648	C-591		nsp	00MDK96331300	CERAMIC CAP.	CC73CH1H331JT +1608 00D2570507976
1U-3648	C-592		nsp	00MDK96471300	CERAMIC CAP.	CC73CH1H471JT +1608 00D2570508917
1U-3648	C-593		nsp	00MDK96154200	CERAMIC CAP.	CK73B1A154KT +1608 00D2570520908
1U-3648	C-594		nsp	00MDK96471300	CERAMIC CAP.	CC73CH1H471JT +1608 00D2570508917
1U-3648	C-595		nsp	00MDK96104300	CERAMIC CAP.	CK73B1E104KT +1608 00D2570516954
1U-3648	C-596		nsp	00MDK98103300	CERAMIC CAP.	CK73F1H103ZT +1608 00D2570511904
1U-3648	C-597		nsp	00MDD95101300	CERAMIC CAP.	CC73CH1H101JT +1608 00D2570506951
1U-3648	C-598		nsp	00MDK96223200	CERAMIC CAP.	CK73B1E223KT +1608 00D2570516909
1U-3648	C-599		nsp	00MDK96223200	CERAMIC CAP.	CK73B1E223KT +1608 00D2570516909
1U-3648	C-600		nsp	00MDK98103300	CERAMIC CAP.	CK73F1H103ZT +1608 00D2570511904
1U-3648	C-601		nsp	00MDK98103300	CERAMIC CAP.	CK73F1H103ZT +1608 00D2570511904
1U-3648	C-602		nsp	00MDK98103300	CERAMIC CAP.	CK73F1H103ZT +1608 00D2570511904
1U-3648	C-604		nsp	00MDK98103300	CERAMIC CAP.	CK73F1H103ZT +1608 00D2570511904
1U-3648	C-605		nsp	00MDK98103300	CERAMIC CAP.	CK73F1H103ZT +1608 00D2570511904
1U-3648	C-606		nsp	00MDK98103300	CERAMIC CAP.	CK73F1H103ZT +1608 00D2570511904
1U-3648	C-607		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-608		00MEY22600620	00MEY22600620	ELECT. CHIP	CE67C0J220MT(MV-B) +REF 00D2544464951
1U-3648	C-609		00MEY22600620	00MEY22600620	ELECT. CHIP	CE67C0J220MT(MV-B) +REF 00D2544464951

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

P.C.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
1U-3648	C-612		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-615		nsp	00MDK96102300	CERAMIC CAP.	CK73B1H102KT +1608 00D2570509929
1U-3648	C-616		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-618		00MEY33601020	00MEY33601020	ELECT. CHIP	CE67C1A330MT +REF 00D2544575905
1U-3648	C-619		nsp	00MDK98103300	CERAMIC CAP.	CK73F1H103ZT +1608 00D2570511904
1U-3648	C-620		nsp	00MDK98103300	CERAMIC CAP.	CK73F1H103ZT +1608 00D2570511904
1U-3648	C-621		00MEY22600620	00MEY22600620	ELECT. CHIP	CE67C0J220MT(MV-B) +REF 00D2544464951
1U-3648	C-622		nsp	00MDK98103300	CERAMIC CAP.	CK73F1H103ZT +1608 00D2570511904
1U-3648	C-623		nsp	00MDK98103300	CERAMIC CAP.	CK73F1H103ZT +1608 00D2570511904
1U-3648	C-624		nsp	00MDK98103300	CERAMIC CAP.	CK73F1H103ZT +1608 00D2570511904
1U-3648	C-625		nsp	00MDK98103300	CERAMIC CAP.	CK73F1H103ZT +1608 00D2570511904
1U-3648	C-629		00MEY22600620	00MEY22600620	ELECT. CHIP	CE67C0J220MT(MV-B) +REF 00D2544464951
1U-3648	C-630		00MEY22600620	00MEY22600620	ELECT. CHIP	CE67C0J220MT(MV-B) +REF 00D2544464951
1U-3648	C-631		nsp	00MDK96682300	CERAMIC CAP.	CK73B1H682KT +1608 00D2570510950
1U-3648	C-632		nsp	00MDK96682300	CERAMIC CAP.	CK73B1H682KT +1608 00D2570510950
1U-3648	C-633		nsp	00MDK96102300	CERAMIC CAP.	CK73B1H102KT +1608 00D2570509929
1U-3648	C-634		nsp	00MDD95101300	CERAMIC CAP.	CC73CH1H101JT +1608 00D2570506951
1U-3648	C-635		nsp	00MDD95101300	CERAMIC CAP.	CC73CH1H101JT +1608 00D2570506951
1U-3648	C-636		nsp	00MDK96104300	CERAMIC CAP.	CK73B1E104KT +1608 00D2570516954
1U-3648	C-637		nsp	00MDK98103300	CERAMIC CAP.	CK73F1H103ZT +1608 00D2570511904
1U-3648	C-639		nsp	00MDK96682300	CERAMIC CAP.	CK73B1H682KT +1608 00D2570510950
1U-3648	C-701		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-702		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-703		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-704		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-705		00MEY10700620	00MEY10700620	ELECT. CHIP	CE67C0J101MT +REF 00D2544464906
1U-3648	C-706		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-707		00MEY10700620	00MEY10700620	ELECT. CHIP	CE67C0J101MT +REF 00D2544464906
1U-3648	C-708		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-709		00MFM12223030	00MFM12223030	EMI FILTER	NFM41CC223R2A3L +C 00D2590015901
1U-3648	C-710		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-711		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-712		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-713		00MEY10700620	00MEY10700620	ELECT. CHIP	CE67C0J101MT +REF 00D2544464906
1U-3648	C-714		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-715		00MEY10700620	00MEY10700620	ELECT. CHIP	CE67C0J101MT +REF 00D2544464906
1U-3648	C-716		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-717		00MEY22600620	00MEY22600620	ELECT. CHIP	CE67C0J220MT(MV-B) +REF 00D2544464951
1U-3648	C-718		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-719		00MEY22600620	00MEY22600620	ELECT. CHIP	CE67C0J220MT(MV-B) +REF 00D2544464951
1U-3648	C-720		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-721		00MEY10700620	00MEY10700620	ELECT. CHIP	CE67C0J101MT +REF 00D2544464906
1U-3648	C-722		00MEY10700620	00MEY10700620	ELECT. CHIP	CE67C0J101MT +REF 00D2544464906
1U-3648	C-723		00MEY10700620	00MEY10700620	ELECT. CHIP	CE67C0J101MT +REF 00D2544464906
1U-3648	C-724		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-725		00MEY22600620	00MEY22600620	ELECT. CHIP	CE67C0J220MT(MV-B) +REF 00D2544464951
1U-3648	C-726		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-727		00MEY10700620	00MEY10700620	ELECT. CHIP	CE67C0J101MT +REF 00D2544464906
1U-3648	C-730		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-731		nsp	00MDK96104300	CERAMIC CAP.	CK73B1E104KT +1608 00D2570516954
1U-3648	C-732		00MEY22600620	00MEY22600620	ELECT. CHIP	CE67C0J220MT(MV-B) +REF 00D2544464951
1U-3648	C-733		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-734		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-735		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-736		00MEY22600620	00MEY22600620	ELECT. CHIP	CE67C0J220MT(MV-B) +REF 00D2544464951
1U-3648	C-737		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-738		00MEY22600620	00MEY22600620	ELECT. CHIP	CE67C0J220MT(MV-B) +REF 00D2544464951
1U-3648	C-739		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-740		00MEY22600620	00MEY22600620	ELECT. CHIP	CE67C0J220MT(MV-B) +REF 00D2544464951
1U-3648	C-741		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-742		00MFM12223030	00MFM12223030	EMI FILTER	NFM41CC223R2A3L +C 00D2590015901
1U-3648	C-743		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-744		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-745		00MEY22600620	00MEY22600620	ELECT. CHIP	CE67C0J220MT(MV-B) +REF 00D2544464951
1U-3648	C-746		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-747		00MEY22600620	00MEY22600620	ELECT. CHIP	CE67C0J220MT(MV-B) +REF 00D2544464951
1U-3648	C-748		00MFM12223030	00MFM12223030	EMI FILTER	NFM41CC223R2A3L +C 00D2590015901
1U-3648	C-749		00MFM12223030	00MFM12223030	EMI FILTER	NFM41CC223R2A3L +C 00D2590015901

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

P.C.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJJ)	PART NAME	DESCRIPTION
1U-3648	C-750		00MFM12223030	00MFM12223030	EMI FILTER	NFM41CC223R2A3L +C 00D2590015901
1U-3648	C-751		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-752		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-753		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	C-764		nsp	00MDK98104200	CERAMIC CAP.	CK73F1E104ZT +1608 00D2570512903
1U-3648	CX033		nsp	nsp	JACK	3P PH CON.BASE(L) +REF 00D2050863936
1U-3648	CX052		nsp	nsp	JACK	5P PH CON.BASE(L) +REF 00D2050863952
1U-3648	CX131		nsp	nsp	JACK	13P FFC BASE(FMNSMT) +REF 00D2051174954
1U-3648	CX151		nsp	nsp	JACK	15P FFC BASE(P=1.0)L +REF 00D2051224901
1U-3648	CX241		nsp	nsp	JACK	24P FFC BASE(FLZ-SM1 +REF 00D2051152905
1U-3648	CY082		nsp	nsp	JACK	8P PH CON.BASE(L) +REF 00D2050863981
1U-3648	CY251		nsp	nsp	JACK	25P FFC BASE(FMNSMT) +REF 00D2051174983
1U-3648	CY251		00MYU25080520	00MYU25080520	FPC	FFC 1.0MM N=25 L=80
1U-3648	CY252		nsp	nsp	JACK	25P FFC BASE(FMNSMT) +REF 00D2051174983
1U-3648	CY252		00MYU25080520	00MYU25080520	FPC	FFC 1.0MM N=25 L=80
1U-3648	D-501		00MHZ21006000	00MHZ21006000	CHIP TR.	1SS300-TE85L +C 00D2760778900
1U-3648	D-701		00MHZ21303210	00MHZ21303210	CHIP TR.	1SS355 TE-17 +C 00D2760717903
1U-3648	D-702		00MHZ21303210	00MHZ21303210	CHIP TR.	1SS355 TE-17 +C 00D2760717903
1U-3648	D-703		00MHZ21303210	00MHZ21303210	CHIP TR.	1SS355 TE-17 +C 00D2760717903
1U-3648	D-704		00MHZ21303210	00MHZ21303210	CHIP TR.	1SS355 TE-17 +C 00D2760717903
1U-3648	D-731		00MHZ21303210	00MHZ21303210	CHIP TR.	1SS355 TE-17 +C 00D2760717903
1U-3648	FB401		90M-FC900330R	90M-FC900330R	FERRITE CORE	FBMJ1608HS280NT +1608 00D2350136907
1U-3648	FB402		90M-FC900330R	90M-FC900330R	FERRITE CORE	FBMJ1608HS280NT +1608 00D2350136907
1U-3648	FB501		90M-FC900320R	90M-FC900320R	FERRITE CORE	CHIP EMIFIL(11A121) +1608 00D2350130903
1U-3648	FB502		00MFC90020100	00MFC90020100	FERRITE CORE	FB M J2125HM330-T +C 00D2350160902
1U-3648	FB503		00MFC90020100	00MFC90020100	FERRITE CORE	FB M J2125HM330-T +C 00D2350160902
1U-3648	FB504		00MFC90020100	00MFC90020100	FERRITE CORE	FB M J2125HM330-T +C 00D2350160902
1U-3648	FB505		00MFC90020100	00MFC90020100	FERRITE CORE	FB M J2125HM330-T +C 00D2350160902
1U-3648	FB506		90M-FC900320R	90M-FC900320R	FERRITE CORE	CHIP EMIFIL(11A121) +1608 00D2350130903
1U-3648	FB507		90M-FC900320R	90M-FC900320R	FERRITE CORE	CHIP EMIFIL(11A121) +1608 00D2350130903
1U-3648	FB703		90M-FC900330R	90M-FC900330R	FERRITE CORE	FBMJ1608HS280NT +1608 00D2350136907
1U-3648	FB704		00MFC90020100	00MFC90020100	FERRITE CORE	FB M J2125HM330-T +C 00D2350160902
1U-3648	FB705		00MFC90020100	00MFC90020100	FERRITE CORE	FB M J2125HM330-T +C 00D2350160902
1U-3648	FB706		90M-FC900330R	90M-FC900330R	FERRITE CORE	FBMJ1608HS280NT +1608 00D2350136907
1U-3648	FB707		00MFC90020100	00MFC90020100	FERRITE CORE	FB M J2125HM330-T +C 00D2350160902
1U-3648	FB708		00MFC90020100	00MFC90020100	FERRITE CORE	FB M J2125HM330-T +C 00D2350160902
1U-3648	IC401		00MHC10081250	00MHC10081250	IC	CXD2753R +C 00D2623217003
1U-3648	IC402		00MHC10156990	00MHC10156990	IC	16M SDRAM(TSOP)-7/8 +C 00D2622875006
1U-3648	IC403		00MHC10209990	00MHC10209990	IC	AD8062-SO8 +C 00D2623195905
1U-3648	IC404		90M-HC108610R	90M-HC108610R	IC	EMP3128ATC100-10(HARMONY-8LI) 00D2623282009
1U-3648	IC405		00MHC007705K0	00MHC007705K0	IC	TC7SHU04F-TE85L +REF 00D2623203907
1U-3648	IC406		00MHC007705K0	00MHC007705K0	IC	TC7SHU04F-TE85L +REF 00D2623203907
1U-3648	IC501		90M-HC108630R	90M-HC108630R	IC	CXD1881AR +C 00D2623219001
1U-3648	IC502		90M-HC108640R	90M-HC108640R	IC	CXD1885Q +C 00D2623218002
1U-3648	IC503		00MHC10210990	00MHC10210990	IC	M11L16161SA-45T +REF 00D2623210000
1U-3648	IC505		90M-HC108650R	90M-HC108650R	IC	AN8471SA +C 00D2631109909
1U-3648	IC507		00MHC700805S0	00MHC700805S0	IC	TC7S08FTE85L +C 00D2621782909
1U-3648	IC508		90M-HC108660R	90M-HC108660R	IC	FAN8042 +C 00D2623221002
1U-3648	IC701		00D2622977946	00D2622977946	IC	BA33BC0FP-E2 +REF 00D2622977946
1U-3648	IC702		00D2622977946	00D2622977946	IC	BA33BC0FP-E2 +REF 00D2622977946
1U-3648	IC703		00MHC98J18210	00MHC98J18210	IC	BA18BC0FP-E2 +C 00D2622977904
1U-3648	IC704		00MHC98A26090	00MHC98A26090	IC	NJM2391DL1-26-TE1 +REF 00D2631182900
1U-3648	IC731		00D2623408207	00D2623408207	IC	M30624FGNGP-MZ0721 00D2623408207
1U-3648	IC732		90M-HC108620R	90M-HC108620R	IC	T14L1024N-12J(TAPE) +REF 00D2623310900
1U-3648	IC733		00MHC10098530	00MHC10098530	IC	S-80843CLNB-B64-T2 +C 00D2623206904
1U-3648	IC734		00MHC005605K0	00MHC005605K0	IC	TC74VHC74FT-EL +REF 00D2623197903
1U-3648	IC735		00MHC005105K0	00MHC005105K0	IC	TC74VHC00FT-EL +REF 00D2623200900
1U-3648	IC736		00MHC005805K0	00MHC005805K0	IC	TC74VHC157FT-EL +REF 00D2623198902
1U-3648	IC737		00D2623388903	00D2623388903	IC	AT24C04AN-10SI-1.8 +REF 00D2623388903
1U-3648	R-414		nsp	00MNN05103610	CHIP RESISTOR	RM73B--103JT +1608 00D2472009983
1U-3648	R-415		nsp	00MNN05103610	CHIP RESISTOR	RM73B--103JT +1608 00D2472009983
1U-3648	R-416		nsp	00MNN05103610	CHIP RESISTOR	RM73B--103JT +1608 00D2472009983
1U-3648	R-417		nsp	00MNN05103610	CHIP RESISTOR	RM73B--103JT +1608 00D2472009983
1U-3648	R-418		nsp	00MNN05103610	CHIP RESISTOR	RM73B--103JT +1608 00D2472009983
1U-3648	R-419		nsp	00MNN05103610	CHIP RESISTOR	RM73B--103JT +1608 00D2472009983
1U-3648	R-420		nsp	00MNN05103610	CHIP RESISTOR	RM73B--103JT +1608 00D2472009983
1U-3648	R-421		nsp	00MNN05103610	CHIP RESISTOR	RM73B--103JT +1608 00D2472009983
1U-3648	R-422		nsp	00MNN05103610	CHIP RESISTOR	RM73B--103JT +1608 00D2472009983

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

P.C.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
1U-3648	R-423		nsp	00MNN05332610	CHIP RESISTOR	RM73B--332JT +1608 00D2472008968
1U-3648	R-424		nsp	00MNN05222610	CHIP RESISTOR	RM73B--222JT +1608 00D2472008926
1U-3648	R-425		nsp	00MNN05202610	CHIP RESISTOR	RM73B--202JT +1608 00D2472008913
1U-3648	R-426		nsp	00MNN05202610	CHIP RESISTOR	RM73B--202JT +1608 00D2472008913
1U-3648	R-433		nsp	00MNN05222610	CHIP RESISTOR	RM73B--222JT +1608 00D2472008926
1U-3648	R-435		nsp	00MNN05000610	CHIP RESISTOR	RM73B--0R0KT +1608 00D2472018903
1U-3648	R-437		nsp	00MNN05220610	CHIP RESISTOR	RM73B--220JT +1608 00D2472003947
1U-3648	R-438		nsp	00MNN05220610	CHIP RESISTOR	RM73B--220JT +1608 00D2472003947
1U-3648	R-439		nsp	00MNN05220610	CHIP RESISTOR	RM73B--220JT +1608 00D2472003947
1U-3648	R-440		nsp	00MNN05220610	CHIP RESISTOR	RM73B--220JT +1608 00D2472003947
1U-3648	R-441		nsp	00MNN05220610	CHIP RESISTOR	RM73B--220JT +1608 00D2472003947
1U-3648	R-442		nsp	00MNN05220610	CHIP RESISTOR	RM73B--220JT +1608 00D2472003947
1U-3648	R-443		nsp	00MNN05220610	CHIP RESISTOR	RM73B--220JT +1608 00D2472003947
1U-3648	R-444		nsp	00MNN05220610	CHIP RESISTOR	RM73B--220JT +1608 00D2472003947
1U-3648	R-445		nsp	00MNN05220610	CHIP RESISTOR	RM73B--220JT +1608 00D2472003947
1U-3648	R-446		nsp	00MNN05220610	CHIP RESISTOR	RM73B--220JT +1608 00D2472003947
1U-3648	R-447		nsp	00MNN05220610	CHIP RESISTOR	RM73B--220JT +1608 00D2472003947
1U-3648	R-448		nsp	00MNN05220610	CHIP RESISTOR	RM73B--220JT +1608 00D2472003947
1U-3648	R-449		nsp	00MNN05220610	CHIP RESISTOR	RM73B--220JT +1608 00D2472003947
1U-3648	R-459		nsp	00MNN05103610	CHIP RESISTOR	RM73B--103JT +1608 00D2472009983
1U-3648	R-460		nsp	00MNN05103610	CHIP RESISTOR	RM73B--103JT +1608 00D2472009983
1U-3648	R-461		nsp	00MNN05272610	CHIP RESISTOR	RM73B--272JT +1608 00D2472008942
1U-3648	R-464		nsp	00MNN05330610	CHIP RESISTOR	RM73B--330JT +1608 00D2472003989
1U-3648	R-465		nsp	00MNN05330610	CHIP RESISTOR	RM73B--330JT +1608 00D2472003989
1U-3648	R-471		nsp	00MNN05222610	CHIP RESISTOR	RM73B--222JT +1608 00D2472008926
1U-3648	R-472		nsp	00MNN05222610	CHIP RESISTOR	RM73B--222JT +1608 00D2472008926
1U-3648	R-473		nsp	00MNN05222610	CHIP RESISTOR	RM73B--222JT +1608 00D2472008926
1U-3648	R-474		nsp	00MNN05222610	CHIP RESISTOR	RM73B--222JT +1608 00D2472008926
1U-3648	R-475		nsp	00MNN05103610	CHIP RESISTOR	RM73B--103JT +1608 00D2472009983
1U-3648	R-476		nsp	00MNN05103610	CHIP RESISTOR	RM73B--103JT +1608 00D2472009983
1U-3648	R-501		nsp	00MNN05820610	CHIP RESISTOR	RM73B--820JT +1608 00D2472004988
1U-3648	R-502		nsp	00MNN05101610	CHIP RESISTOR	RM73B--101JT +1608 00D2472005903
1U-3648	R-505		nsp	00MNN05000610	CHIP RESISTOR	RM73B--0R0KT +1608 00D2472018903
1U-3648	R-506		nsp	00MNN05000610	CHIP RESISTOR	RM73B--0R0KT +1608 00D2472018903
1U-3648	R-508		nsp	00MNN05152610	CHIP RESISTOR	RM73B--152JT +1608 00D2472007985
1U-3648	R-509		nsp	00MNN05152610	CHIP RESISTOR	RM73B--152JT +1608 00D2472007985
1U-3648	R-510		nsp	00MNN05152610	CHIP RESISTOR	RM73B--152JT +1608 00D2472007985
1U-3648	R-511		nsp	00MNN05152610	CHIP RESISTOR	RM73B--152JT +1608 00D2472007985
1U-3648	R-512		nsp	00MNN05152610	CHIP RESISTOR	RM73B--152JT +1608 00D2472007985
1U-3648	R-513		nsp	00MNN05152610	CHIP RESISTOR	RM73B--152JT +1608 00D2472007985
1U-3648	R-514		nsp	00MNN05152610	CHIP RESISTOR	RM73B--152JT +1608 00D2472007985
1U-3648	R-515		nsp	00MNN05152610	CHIP RESISTOR	RM73B--152JT +1608 00D2472007985
1U-3648	R-516		nsp	00MNN05560610	CHIP RESISTOR	RM73B--560JT +1608 00D2472004946
1U-3648	R-517		nsp	00MNN05560610	CHIP RESISTOR	RM73B--560JT +1608 00D2472004946
1U-3648	R-518		nsp	00MNN05560610	CHIP RESISTOR	RM73B--560JT +1608 00D2472004946
1U-3648	R-519		nsp	00MNN05560610	CHIP RESISTOR	RM73B--560JT +1608 00D2472004946
1U-3648	R-520		nsp	00MNN05470610	CHIP RESISTOR	RM73B--470JT +1608 00D2472004920
1U-3648	R-521		nsp	00MNN05470610	CHIP RESISTOR	RM73B--470JT +1608 00D2472004920
1U-3648	R-522		nsp	00MNN05470610	CHIP RESISTOR	RM73B--470JT +1608 00D2472004920
1U-3648	R-523		nsp	00MNN05470610	CHIP RESISTOR	RM73B--470JT +1608 00D2472004920
1U-3648	R-524		nsp	00MNN05124610	CHIP RESISTOR	RM73B--124JT +1608 00D2472012941
1U-3648	R-527		nsp	00MNN05101610	CHIP RESISTOR	RM73B--101JT +1608 00D2472005903
1U-3648	R-528		nsp	00MNN05101610	CHIP RESISTOR	RM73B--101JT +1608 00D2472005903
1U-3648	R-534		nsp	00MNN05124610	CHIP RESISTOR	RM73B--124JT +1608 00D2472012941
1U-3648	R-536		nsp	00MNN05102610	CHIP RESISTOR	RM73B--102JT +1608 00D2472007943
1U-3648	R-537		nsp	00MNN05104610	CHIP RESISTOR	RM73B--104JT +1608 00D2472012925
1U-3648	R-538		nsp	00MNN05181610	CHIP RESISTOR	RM73B--181JT +1608 00D2472005961
1U-3648	R-539		nsp	00MNN05473610	CHIP RESISTOR	RM73B--473JT +1608 00D2472011942
1U-3648	R-540		nsp	00MNN05104610	CHIP RESISTOR	RM73B--104JT +1608 00D2472012925
1U-3648	R-542		nsp	00MNN05000610	CHIP RESISTOR	RM73B--0R0KT +1608 00D2472018903
1U-3648	R-544		nsp	00MNN05102610	CHIP RESISTOR	RM73B--102JT +1608 00D2472007943
1U-3648	R-545		00MNM11202020	00MNM11202020	CHIP RESISTOR	RM73B--123FT +1608 00D2472019960
1U-3648	R-549		nsp	00MNN05000610	CHIP RESISTOR	RM73B--0R0KT +1608 00D2472018903
1U-3648	R-550		nsp	00MNN05000610	CHIP RESISTOR	RM73B--0R0KT +1608 00D2472018903
1U-3648	R-551		nsp	00MNN05000610	CHIP RESISTOR	RM73B--0R0KT +1608 00D2472018903
1U-3648	R-552		nsp	00MNN05000610	CHIP RESISTOR	RM73B--0R0KT +1608 00D2472018903
1U-3648	R-553		nsp	00MNN05333610	CHIP RESISTOR	RM73B--333JT +1608 00D2472011900
1U-3648	R-554		nsp	00MNN05103610	CHIP RESISTOR	RM73B--103JT +1608 00D2472009983

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

P.C.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION		
1U-3648	R-555		nsp	00MNN05103610	CHIP RESISTOR	RM73B--103JT	+1608	00D2472009983
1U-3648	R-556		nsp	00MNN05102610	CHIP RESISTOR	RM73B--102JT	+1608	00D2472007943
1U-3648	R-557		nsp	00MNN05223610	CHIP RESISTOR	RM73B--223JT	+1608	00D2472010969
1U-3648	R-558		nsp	00MNN05182610	CHIP RESISTOR	RM73B--182JT	+1608	00D2472008900
1U-3648	R-559		nsp	00MNN05104610	CHIP RESISTOR	RM73B--104JT	+1608	00D2472012925
1U-3648	R-560		nsp	00MNN05473610	CHIP RESISTOR	RM73B--473JT	+1608	00D2472011942
1U-3648	R-561		nsp	00MNN05683610	CHIP RESISTOR	RM73B--683JT	+1608	00D2472011984
1U-3648	R-562		nsp	00MNN05471610	CHIP RESISTOR	RM73B--471JT	+1608	00D2472006960
1U-3648	R-563		nsp	00MNN05154610	CHIP RESISTOR	RM73B--154JT	+1608	00D2472012967
1U-3648	R-564		nsp	00MNN05473610	CHIP RESISTOR	RM73B--473JT	+1608	00D2472011942
1U-3648	R-565		nsp	00MNN05563610	CHIP RESISTOR	RM73B--563JT	+1608	00D2472011968
1U-3648	R-566		nsp	00MNN05103610	CHIP RESISTOR	RM73B--103JT	+1608	00D2472009983
1U-3648	R-567		nsp	00MNN05330610	CHIP RESISTOR	RM73B--330JT	+1608	00D2472003989
1U-3648	R-568		nsp	00MNN05103610	CHIP RESISTOR	RM73B--103JT	+1608	00D2472009983
1U-3648	R-570		nsp	00MNN05000610	CHIP RESISTOR	RM73B--0R0KT	+1608	00D2472018903
1U-3648	R-571		nsp	00MNN05000610	CHIP RESISTOR	RM73B--0R0KT	+1608	00D2472018903
1U-3648	R-574		nsp	00MNN05000610	CHIP RESISTOR	RM73B--0R0KT	+1608	00D2472018903
1U-3648	R-577		nsp	00MNN05000610	CHIP RESISTOR	RM73B--0R0KT	+1608	00D2472018903
1U-3648	R-583		nsp	00MNN05000610	CHIP RESISTOR	RM73B--0R0KT	+1608	00D2472018903
1U-3648	R-584		nsp	00MNN05000610	CHIP RESISTOR	RM73B--0R0KT	+1608	00D2472018903
1U-3648	R-585		nsp	00MNN05000610	CHIP RESISTOR	RM73B--0R0KT	+1608	00D2472018903
1U-3648	R-586		nsp	00MNN05000610	CHIP RESISTOR	RM73B--0R0KT	+1608	00D2472018903
1U-3648	R-587		nsp	00MNN05000610	CHIP RESISTOR	RM73B--0R0KT	+1608	00D2472018903
1U-3648	R-588		nsp	00MNN05000610	CHIP RESISTOR	RM73B--0R0KT	+1608	00D2472018903
1U-3648	R-589		nsp	00MNN05000610	CHIP RESISTOR	RM73B--0R0KT	+1608	00D2472018903
1U-3648	R-590		nsp	00MNN05000610	CHIP RESISTOR	RM73B--0R0KT	+1608	00D2472018903
1U-3648	R-591		nsp	00MNN05000610	CHIP RESISTOR	RM73B--0R0KT	+1608	00D2472018903
1U-3648	R-592		nsp	00MNN05000610	CHIP RESISTOR	RM73B--0R0KT	+1608	00D2472018903
1U-3648	R-593		nsp	00MNN05000610	CHIP RESISTOR	RM73B--0R0KT	+1608	00D2472018903
1U-3648	R-594		nsp	00MNN05000610	CHIP RESISTOR	RM73B--0R0KT	+1608	00D2472018903
1U-3648	R-595		nsp	00MNN05000610	CHIP RESISTOR	RM73B--0R0KT	+1608	00D2472018903
1U-3648	R-596		nsp	00MNN05000610	CHIP RESISTOR	RM73B--0R0KT	+1608	00D2472018903
1U-3648	R-597		nsp	00MNN05000610	CHIP RESISTOR	RM73B--0R0KT	+1608	00D2472018903
1U-3648	R-598		nsp	00MNN05000610	CHIP RESISTOR	RM73B--0R0KT	+1608	00D2472018903
1U-3648	R-599		nsp	00MNN05103610	CHIP RESISTOR	RM73B--103JT	+1608	00D2472009983
1U-3648	R-601		nsp	00MNN05223610	CHIP RESISTOR	RM73B--223JT	+1608	00D2472010969
1U-3648	R-603		nsp	00MNN05103610	CHIP RESISTOR	RM73B--103JT	+1608	00D2472009983
1U-3648	R-604		nsp	00MNN05103610	CHIP RESISTOR	RM73B--103JT	+1608	00D2472009983
1U-3648	R-605		nsp	00MNN05010610	CHIP RESISTOR	RM73B--010KT	+1608	00D2472018916
1U-3648	R-606		nsp	00MNN05010610	CHIP RESISTOR	RM73B--010KT	+1608	00D2472018916
1U-3648	R-607		nsp	00MNN05010610	CHIP RESISTOR	RM73B--010KT	+1608	00D2472018916
1U-3648	R-608		nsp	00MNN05010610	CHIP RESISTOR	RM73B--010KT	+1608	00D2472018916
1U-3648	R-609		nsp	00MNN05103610	CHIP RESISTOR	RM73B--103JT	+1608	00D2472009983
1U-3648	R-611		nsp	00MNN05101610	CHIP RESISTOR	RM73B--101JT	+1608	00D2472005903
1U-3648	R-612		nsp	00MNN05101610	CHIP RESISTOR	RM73B--101JT	+1608	00D2472005903
1U-3648	R-613		nsp	00MNN05101610	CHIP RESISTOR	RM73B--101JT	+1608	00D2472005903
1U-3648	R-614		nsp	00MNN05101610	CHIP RESISTOR	RM73B--101JT	+1608	00D2472005903
1U-3648	R-615		nsp	00MNN05101610	CHIP RESISTOR	RM73B--101JT	+1608	00D2472005903
1U-3648	R-616		nsp	00MNN05101610	CHIP RESISTOR	RM73B--101JT	+1608	00D2472005903
1U-3648	R-617		nsp	00MNN05101610	CHIP RESISTOR	RM73B--101JT	+1608	00D2472005903
1U-3648	R-618		nsp	00MNN05101610	CHIP RESISTOR	RM73B--101JT	+1608	00D2472005903
1U-3648	R-620		nsp	00MNN05000610	CHIP RESISTOR	RM73B--0R0KT	+1608	00D2472018903
1U-3648	R-621		nsp	00MNN05220610	CHIP RESISTOR	RM73B--220JT	+1608	00D2472003947
1U-3648	R-622		nsp	00MNN05220610	CHIP RESISTOR	RM73B--220JT	+1608	00D2472003947
1U-3648	R-623		nsp	00MNN05220610	CHIP RESISTOR	RM73B--220JT	+1608	00D2472003947
1U-3648	R-624		nsp	00MNN05220610	CHIP RESISTOR	RM73B--220JT	+1608	00D2472003947
1U-3648	R-625		nsp	00MNN05220610	CHIP RESISTOR	RM73B--220JT	+1608	00D2472003947
1U-3648	R-626		nsp	00MNN05220610	CHIP RESISTOR	RM73B--220JT	+1608	00D2472003947
1U-3648	R-627		nsp	00MNN05220610	CHIP RESISTOR	RM73B--220JT	+1608	00D2472003947
1U-3648	R-628		nsp	00MNN05220610	CHIP RESISTOR	RM73B--220JT	+1608	00D2472003947
1U-3648	R-629		nsp	00MNN05220610	CHIP RESISTOR	RM73B--220JT	+1608	00D2472003947
1U-3648	R-630		nsp	00MNN05220610	CHIP RESISTOR	RM73B--220JT	+1608	00D2472003947
1U-3648	R-631		nsp	00MNN05220610	CHIP RESISTOR	RM73B--220JT	+1608	00D2472003947
1U-3648	R-632		nsp	00MNN05220610	CHIP RESISTOR	RM73B--220JT	+1608	00D2472003947
1U-3648	R-633		nsp	00MNN05220610	CHIP RESISTOR	RM73B--220JT	+1608	00D2472003947
1U-3648	R-634		nsp	00MNN05101610	CHIP RESISTOR	RM73B--101JT	+1608	00D2472005903
1U-3648	R-635		nsp	00MNN05330610	CHIP RESISTOR	RM73B--330JT	+1608	00D2472003989
1U-3648	R-636		nsp	00MNN05101610	CHIP RESISTOR	RM73B--101JT	+1608	00D2472005903

P.C.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJ)	PART NAME	DESCRIPTION
1U-3648	R-754		nsp	00MNN05102610	CHIP RESISTOR	RM73B--102JT +1608 00D2472007943
1U-3648	R-762		nsp	00MNN05103610	CHIP RESISTOR	RM73B--103JT +1608 00D2472009983
1U-3648	R-763		nsp	00MNN05223610	CHIP RESISTOR	RM73B--223JT +1608 00D2472010969
1U-3648	R-766		nsp	00MNN05223610	CHIP RESISTOR	RM73B--223JT +1608 00D2472010969
1U-3648	R-767		nsp	00MNN05330610	CHIP RESISTOR	RM73B--330JT +1608 00D2472003989
1U-3648	R-768		nsp	00MNN05330610	CHIP RESISTOR	RM73B--330JT +1608 00D2472003989
1U-3648	R-769		nsp	00MNN05330610	CHIP RESISTOR	RM73B--330JT +1608 00D2472003989
1U-3648	R-770		nsp	00MNN05330610	CHIP RESISTOR	RM73B--330JT +1608 00D2472003989
1U-3648	R-771		nsp	00MNN05330610	CHIP RESISTOR	RM73B--330JT +1608 00D2472003989
1U-3648	R-772		nsp	00MNN05330610	CHIP RESISTOR	RM73B--330JT +1608 00D2472003989
1U-3648	R-773		nsp	00MNN05330610	CHIP RESISTOR	RM73B--330JT +1608 00D2472003989
1U-3648	R-774		nsp	00MNN05330610	CHIP RESISTOR	RM73B--330JT +1608 00D2472003989
1U-3648	RA401		90M-BW000350R	90M-BW000350R	RESISTOR COMPO.	MNR14=220JE0AB +C 00D2479003908
1U-3648	RA402		90M-BW000350R	90M-BW000350R	RESISTOR COMPO.	MNR14=220JE0AB +C 00D2479003908
1U-3648	RA501		00MBW05103320	00MBW05103320	RESISTOR COMPO.	MNR14=103JE0 +C 00D2479007917
1U-3648	RA502		00MBW05103320	00MBW05103320	RESISTOR COMPO.	MNR14=103JE0 +C 00D2479007917
1U-3648	RA503		00MBW05103320	00MBW05103320	RESISTOR COMPO.	MNR14=103JE0 +C 00D2479007917
1U-3648	RA504		00MBW05103320	00MBW05103320	RESISTOR COMPO.	MNR14=103JE0 +C 00D2479007917
1U-3648	TR511		00MHX207982A0	00MHX207982A0	CHIP TR.	2SB798(DL/DK)-T1 +C 00D2720166905
1U-3648	TR512		00MHX207982A0	00MHX207982A0	CHIP TR.	2SB798(DL/DK)-T1 +C 00D2720166905
1U-3648	TR513		90M-HX300090R	90M-HX300090R	CHIP TR.	2SC2412KT96(S) +C 00D2730384900
1U-3648	X-731		00MFQ01605120	00MFQ01605120	SERAMIC VIB.	CSTCE16MOV53-R0 +2125 00D3990887903

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