DVD Home Theater System

HTS3265/75

Service
Service
Service

Service Manual

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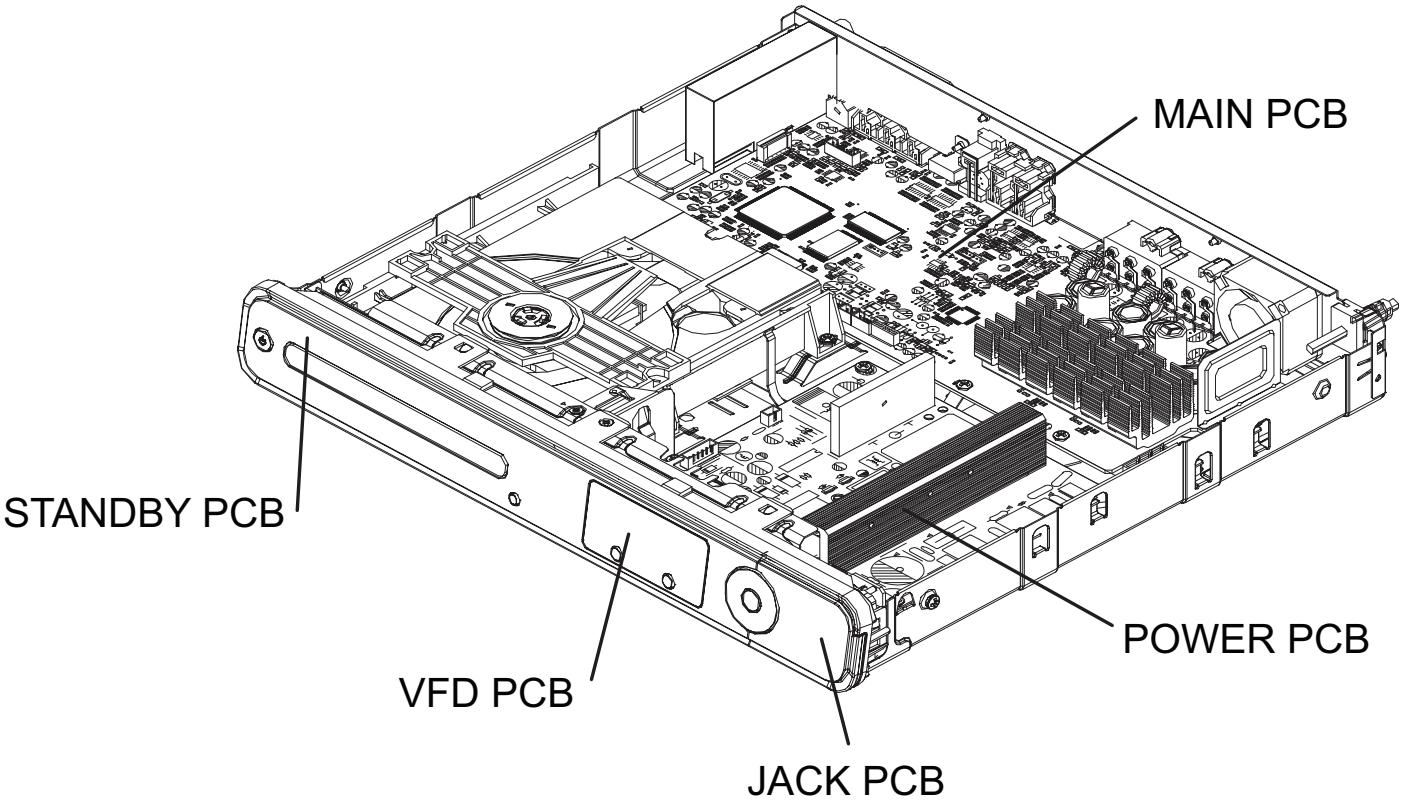
Published by LM0815 Service Audio Printed in The Netherlands Subject to modification

GB 3139 785 34000

Version 1.0

PHILIPS

LOCATION OF PCB BOARDS



VERSION VARIATION:

Type/Versions / Features	HTS3265 /75
Output Power - 600W	X
Voltage (220V~240V)	X
MP3 Link	X

SERVICE SCNARIO MATRIX:

Type/Versions / Board in used	HTS3265 /75
Main Board	Bd
Power Board	Bd
VFD+JACK+STANDBY Board	Bd

*Bd = Board Level Repair

SPECIFICATIONS

AMPLIFIER

Total output power :
- Home Theatre mode ..... 600 W

Frequency Response ..... 180 Hz – 18 kHz / ±3 dB
Signal-to-Noise Ratio..... > 60 dB (A-weighted)
Input Sensitivity
- AUX 1 ..... 400 mV
- AUX 2 ..... 400 mV
- MP3 LINK ..... 400 mV

RADIO

Tuning Range ..... FM 87.5-108 MHz
..... (50/100 kHz)
..... 26 dB Quieting
Sensitivity ..... FM 22 dBf,
IF Rejection Ratio ..... FM 60 dB
Signal-to-Noise Ratio..... FM 50 dB
Harmonic Distortion ..... FM Mono 3%
..... FM Stereo 3%
Frequency Response ..... FM 180 Hz–10 kHz / ±6 dB
Stereo Separation..... FM 26 dB (1 kHz)
Stereo Threshold ..... FM 29 dB

DISC

Laser Type..... Semiconductor
Disc Diametre ..... 12cm / 8cm
Video Decoding ..... MPEG-1 / MPEG-2 /
..... / DivX 3/4/5/6, Ultra
Video DAC..... 12 Bits
Signal System..... PAL / NTSC
Video Format ..... 4:3 / 16:9
Video S/N ..... 56 dB
Composite Video
Output..... 1.0 Vp-p, 75Ω
Frequency Response ..... 4 Hz–20 kHz (44.1 kHz)
..... 4 Hz–22 kHz (48 kHz)
..... 4 Hz–44 kHz (96 kHz)
PCM..... IEC 60958
Dolby Digital ..... IEC 60958, IEC 61937
DTS ..... IEC 60958, IEC 61937

MAIN UNIT

Power Supply Rating..... 220 - 240 V~;
..... 50 Hz
Power Consumption ..... 100 W
Dimensions..... 360 x 58 x 332 (mm)
..... (w x h x d)
Weight ..... 2.9 kg

FRONT AND REAR SPEAKERS

System..... Full range satellite
Impedance..... 3 Ω
Speaker drivers ..... 3” full range speaker
Frequency response..... 150 Hz – 20 kHz
Dimensions..... 103 x 203 x 71 (mm)
..... (w x h x d)
Weight ..... 0.54 kg/each

CENTRE SPEAKER

System..... Full range satellite
Impedance..... 6 Ω
Speaker drivers ..... 3” full range speaker
Frequency response..... 150 Hz – 20 kHz
Dimensions..... 244 x 105 x 74 (mm)
..... (w x h x d)
Weight ..... 0.84 kg

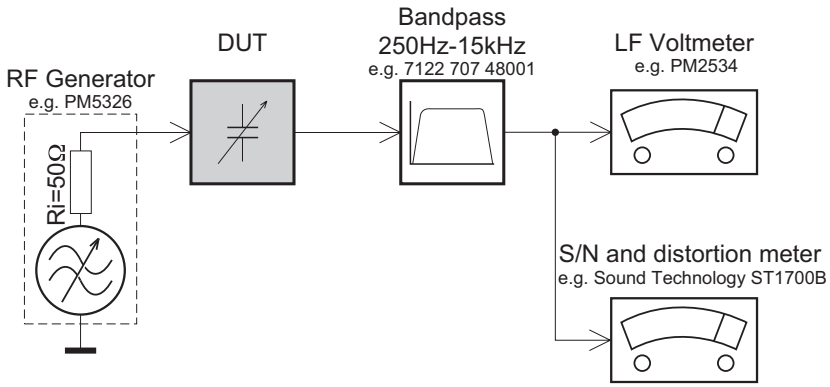
SUBWOOFER

Impedance..... 6 Ω
Speaker drivers ..... 165mm (6.5”) woofer
Frequency response..... 40 Hz – 150 Hz
Dimensions..... 163 x 363 x 369 (mm)
..... (w x h x d)
Weight ..... 5.08 kg

Specifications subject to change without prior notice.

MEASUREMENT SETUP

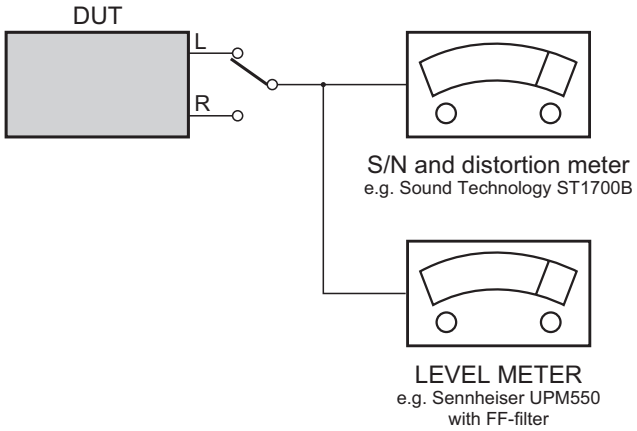
Tuner FM



Use a bandpass filter to eliminate hum (50Hz, 100Hz) and disturbance from the pilottone (19kHz, 38kHz).

CD

Use Audio Signal Disc SBC429 4822 397 30184
(replaces test disc 3)



SERVICE AIDS

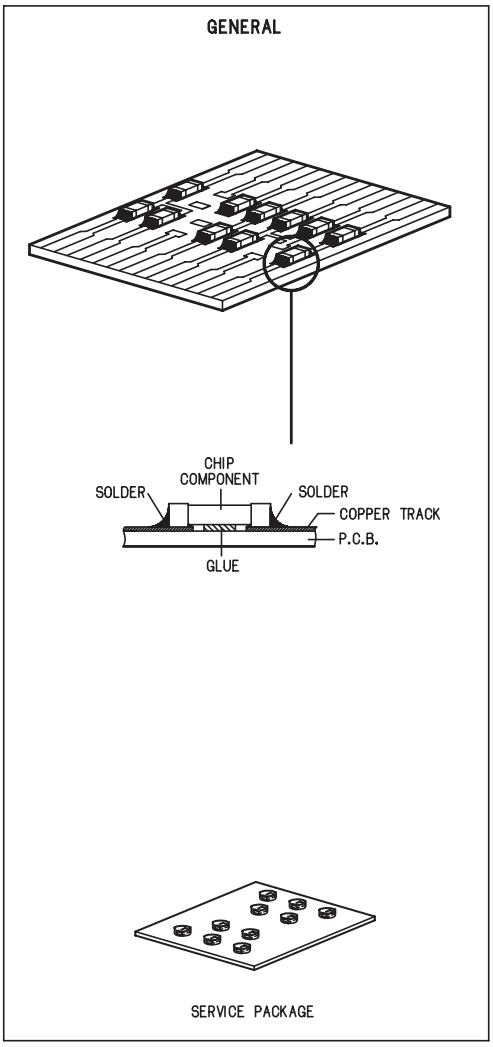
Service Tools:

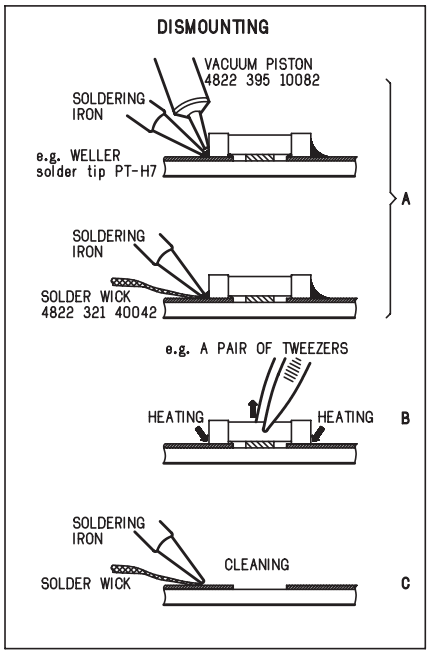
Universal Torx driver holder 4822 395 91019
Torx bit T10 150mm 4822 395 50456
Torx driver set T6-T20 .....4822 395 50145
Torx driver T10 extended 4822 395 50423

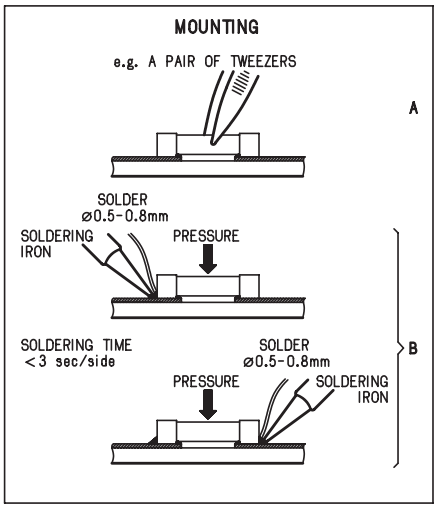
Compact Disc:

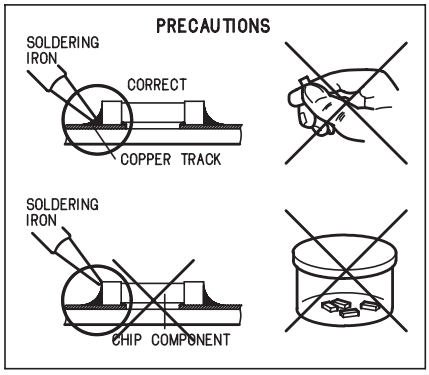
SBC426/426A Test disc 5 + 5A 4822 397 30096
SBC442 Audio Burn-in test disc 1kHz 4822 397 30155
SBC429 Audio Signals disc 4822 397 30184
Dolby Pro-logic Test Disc 4822 395 10216

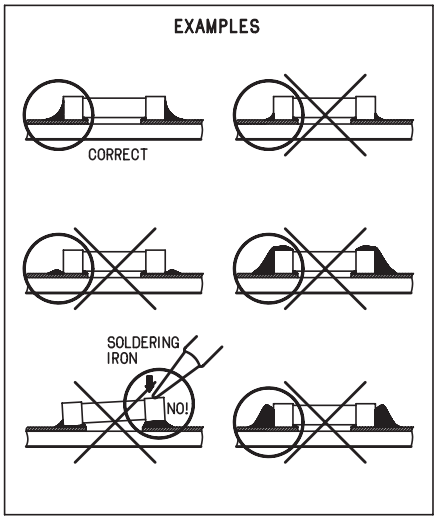
HANDLING CHIP COMPONENTS











ESD

(GB) WARNING

All ICs and many other semi-conductors are susceptible to electrostatic discharges (ESD). Careless handling during repair can reduce life drastically.
When repairing, make sure that you are connected with the same potential as the mass of the set via a wrist wrap with resistance.
Keep components and tools also at this potential.

(NL) WAARSCHUWING

Alle IC's en vele andere halfgeleiders zijn gevoelig voor electrostatische 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 ditzelfde potentiaal.

(F) ATTENTION

Tous les IC et beaucoup d'autres semi-conducteurs sont sensibles aux décharges statiques (ESD).
Leur longévité pourrait être considérablement écourtée par le fait qu'aucune précaution n'est prise à leur manipulation.
Lors de réparations, s'assurer de bien être relié au même potentiel que la masse de l'appareil et enfiler le bracelet serti d'une résistance de sécurité.
Veiller à ce que les composants ainsi que les outils que l'on utilise soient également à ce potentiel.

(D) WARNUNG

Alle ICs und viele andere Halbleiter sind empfindlich gegenüber elektrostatischen Entladungen (ESD).
Unsorgfältige Behandlung im Reparaturfall kan die Lebensdauer drastisch reduzieren.
Veranlassen Sie, dass Sie im Reparaturfall über ein Pulsarmband mit Widerstand verbunden sind mit dem gleichen Potential wie die Masse des Gerätes.
Bauteile und Hilfsmittel auch auf dieses gleiche Potential halten.

(I) AVVERTIMENTO

Tutti IC e parecchi semi-conduttori sono sensibili alle scariche statiche (ESD).
La loro longevità potrebbe essere fortemente ridatta in caso di non osservazione della più grande cauzione alla loro manipolazione.
Durante le riparazioni occorre quindi essere collegato allo stesso potenziale che quello della massa dell'apparecchio tramite un braccialetto a resistenza.
Assicurarsi che i componenti e anche gli utensili con quali si lavora siano anche a questo potenziale.

(GB) ESD PROTECTION EQUIPMENT

Complete Kit ESD3 (small tablemat, wristband, connection box, estention cable and earth cable 4822 310 10671
Wristband tester 4822 344 13999

(GB)

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

Safety components are marked by the symbol ⚠ .

(NL)

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

De Veiligheidsonderdelen zijn aangeduid met het symbol ⚠ .

(F)

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

Less composants de sécurité sont marqués ⚠ .

(D)

Bei jeder Reparatur sind die geltenden Sicherheitsvorschriften zu beachten. Der Original zustand des Geräts darf nicht verändert werden; für Reparaturen sind Original-Ersatzteile zu verwenden.

Sicherheitsbauteile sind durch das Symbol ⚠ markiert.

(I)

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

Componenty di sicurezza sono marcati con ⚠ .

(GB)

After servicing and before returning set to customer perform a leakage current measurement test from all exposed metal parts to earth ground to assure no shock hazard exist, The leakage current must not exceed 0.5mA.

(GB) Warning !

Invisible laser radiation when open.
Avoid direct exposure to beam.

(S) Varning !

Osynlig laserstrålning när apparaten är öppnad och spärren är urkopplad. Betrakta ej strålen.

(SF) Varoitus !

Avatussa laitteessa ja suojalukituksen ohitettaessa olet alttiina näkymättömälle laserisäteilylle. Älä katso säteeseen!

(DK) Advarse !

Usynlig laserstråling ved åbning når sikkerhedsafbrydere er ude af funktion. Undgå udsaettelse for stråling.

(F)

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

Pb(Lead) Free Solder

When soldering , be sure to use the pb free solder.

INDENTIFICATION:
Regardless of special logo (not always indicated) 

one must treat all sets from **1 Jan 2005** onwards, according next rules:

Important note: In fact also products of year 2004 must be treated in this way as long as you avoid mixing solder-alloys (leaded/ lead-free). So best to always use SAC305 and the higher temperatures belong to this.

Due to lead-free technology some rules have to be respected by the workshop during a repair:

- Use only lead-free solder alloy Philips SAC305 with order code 0622 149 00106. If lead-free solder-paste is required, please contact the manufacturer of your solder-equipment. In general use of solder-paste within workshops should be avoided because paste is not easy to store and to handle.
- Use only adequate solder tools applicable for lead-free solder alloy. The solder tool must be able
  - To reach at least a solder-temperature of 400?C,
  - To stabilize the adjusted temperature at the solder-tip
  - To exchange solder-tips for different applications.
- Adjust your solder tool so that a temperature around 360?C – 380?C is reached and stabilized at the solder joint. Heating-time of the solder-joint should not exceed ~ 4 sec. Avoid temperatures above 400?C otherwise wear-out of tips will rise drastically and flux-fluid will be destroyed. To avoid wear-out of tips switch off un-used equipment, or reduce heat.
- Mix of lead-free solder alloy / parts with leaded solder alloy / parts is possible but PHILIPS recommends strongly to avoid mixed solder alloy types (leaded and lead-free).
  If one cannot avoid or does not know whether product is lead-free, clean carefully the solder-joint from old solder alloy and re-solder with new solder alloy (SAC305).
- Use only original spare-parts listed in the Service-Manuals. Not listed standard-material (commodities) has to be purchased at external companies.
- Special information for BGA-ICs:
- Always use the 12nc-recognizable soldering temperature profile of the specific BGA (for de-soldering always use the lead-free temperature profile, in case of doubt)
- Lead free BGA-ICs will be delivered in so-called 'dry-packaging' (sealed pack including a silica gel pack) to protect the IC against moisture. After opening, dependent of MSL-level seen on indicator-label in the bag, the BGA-IC possibly still has to be baked dry. (MSL=Moisture Sensitivity Level). This will be communicated via AYS-website.
  Do not re-use BGAs at all.
- For sets produced before 1.1.2005 (except products of 2004), containing leaded solder-alloy and components, all needed spare-parts will be available till the end of the service-period. For repair of such sets nothing changes.
- On our website **www.atyourservice.ce.Philips.com** you find more information to:

  - BGA-de-/soldering (+ baking instructions)
  - Heating-profiles of BGAs and other ICs used in Philips-sets

  You will find this and more technical information within the "magazine", chapter "workshop news".

  For additional questions please contact your local repair-helpdesk.

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System , Region Code , etc. Setting Produre

1)System Reset

a) Press “OPTIONS“ button on R/C,TV will show setup menu
b) Select the menu using the▼ and ► on R/C
c) Go preference page to do system reset

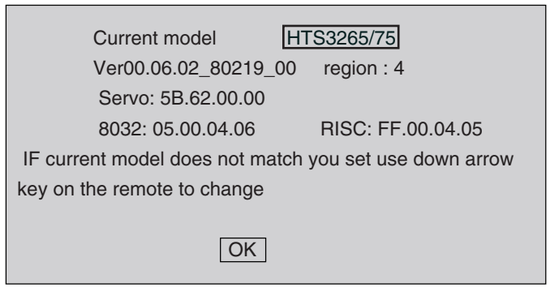
2)Region Code Change

a) In open model, press”9” “9“ “9“ “9“ on R/C,then input desired number to change region code :

1	USA
2	EU
3	AP
4	Australia ,NZ , Latam
5	Russia , INDIA
6	CHINA

3)Version Control Change

a) In open model, press “1“ “5“ “9“ on R/C
b) Press “ok” button to confirm
c) TV will show message as below:



4)Password Change

a) Press “OPTIONS “ button on R/C,TV will show setup menu
b) Select the menu using the▼ and ► on R/C
c) Go preference page select “password“ to change
* 000000 is default password supplied.

5)Check on the Sofeware Version

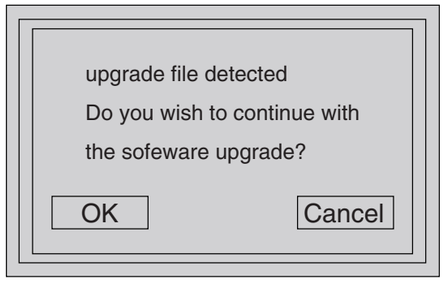
a) Open the CD Door
b) Press “INFO“ button on R/C
c) TV will show the version on screen

6)Trade model

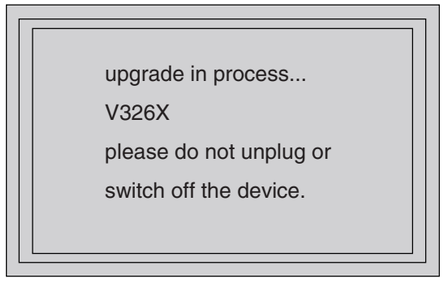
a) Press “Open/Close “ button on R/C
b) Press “2” “5” “9” on R/C,VFD will display “TRA ON “ or “TRA OFF“

7) Upgrading new sofeware

a) Copy “sofeware files” into a CD-R
b) Open the CD Door,then insert the CD-R program disc
c) Close the CD Door
d) VFD will show:
“Loading“
“Erase” -- erase the flash memory
“Writing” about 1 minute
“done “
* the system will switch off and on again automatically.
e) OSD will show:



f) Select “OK”, OSD will show:



CAUTION!

This information is confidential and may not be distributed.Only a qualified service person should reprogram the Region Code.

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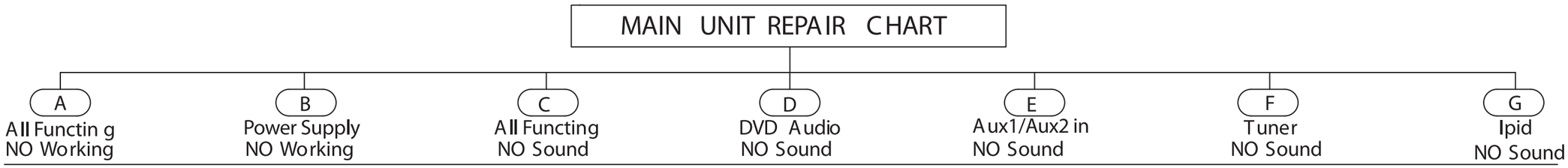
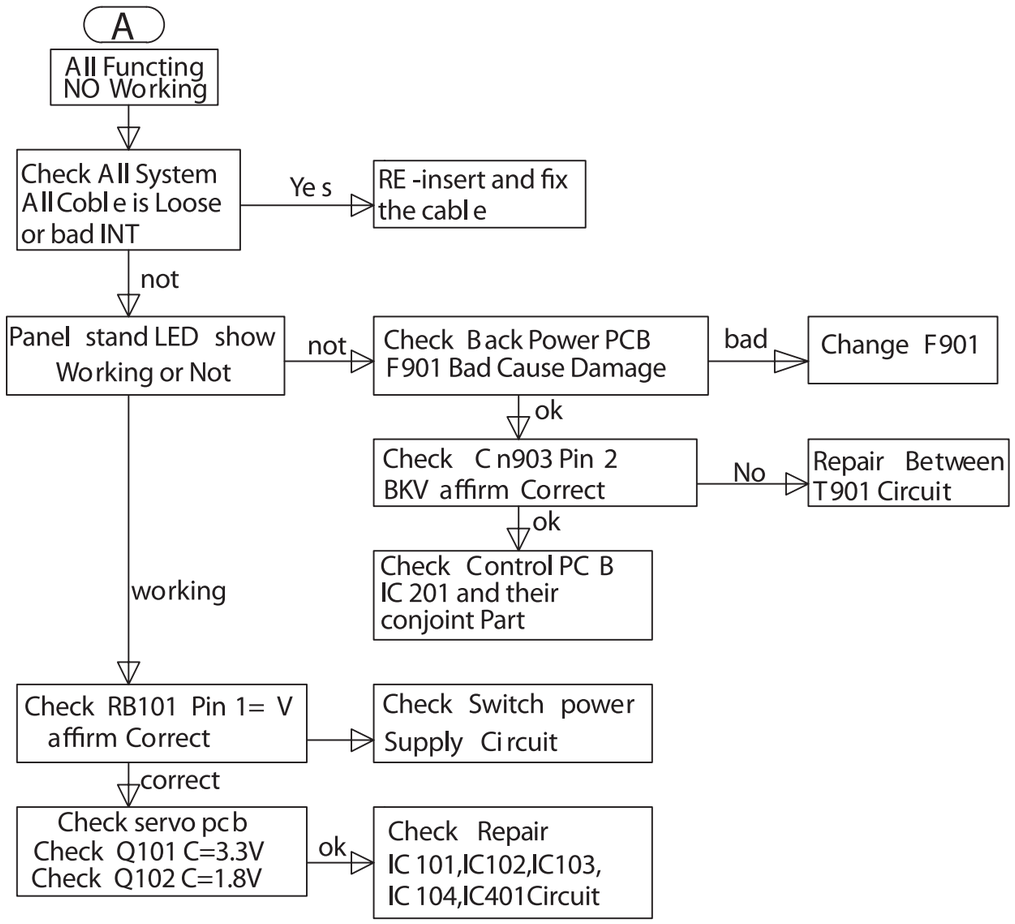
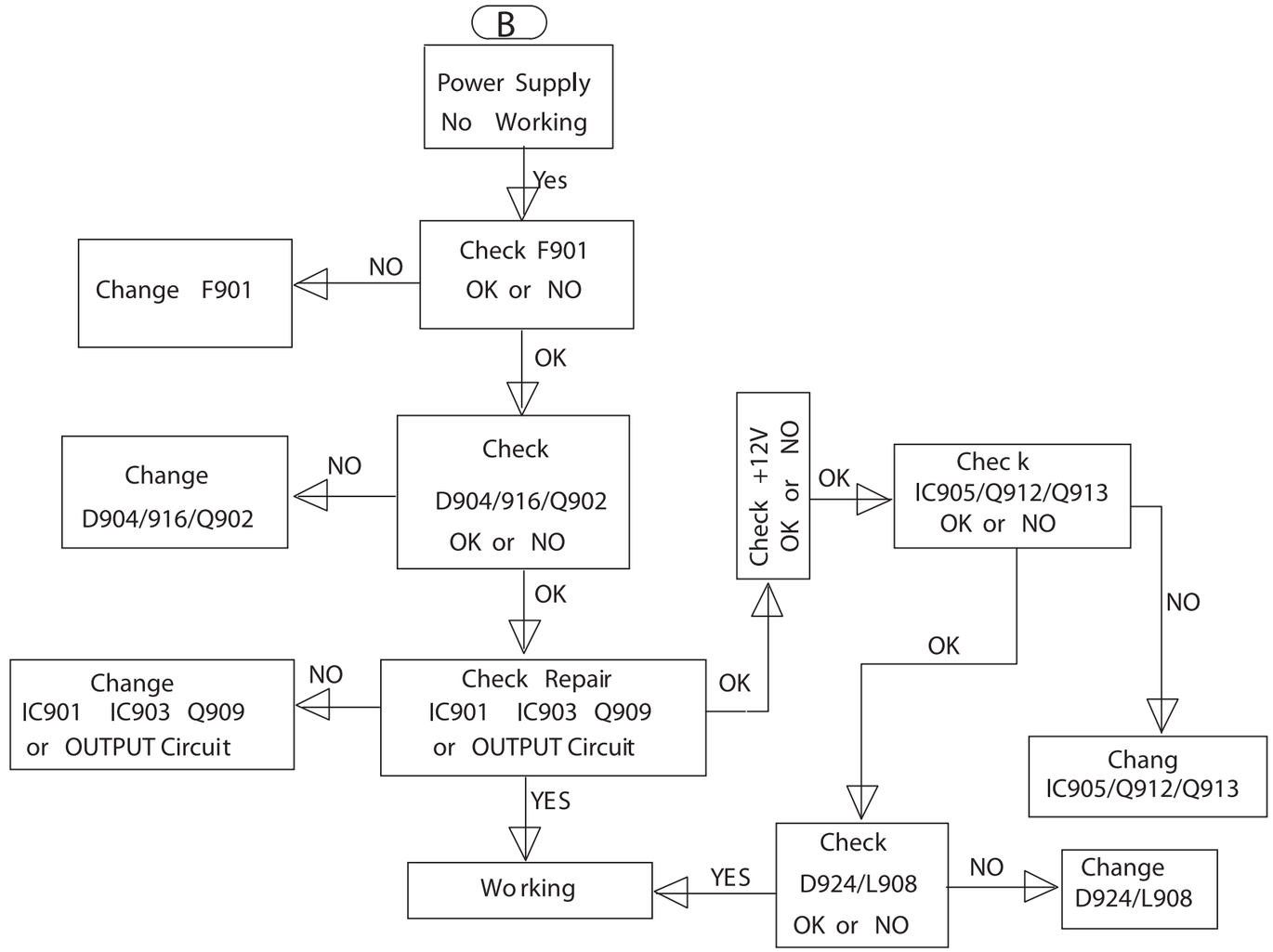
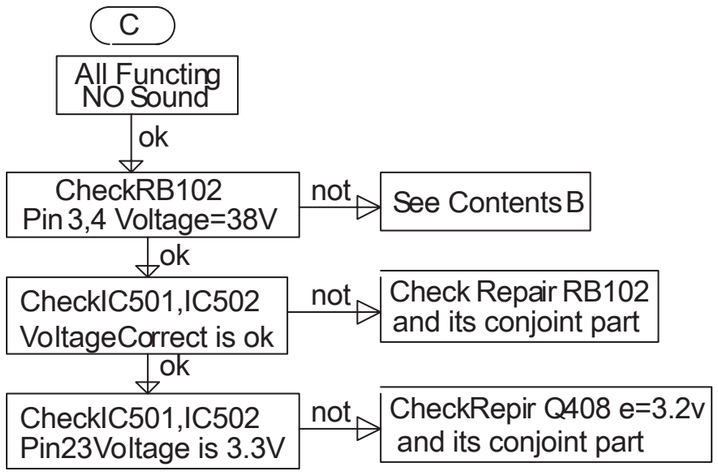
REPAIR INSTRUCTIONS (part one)

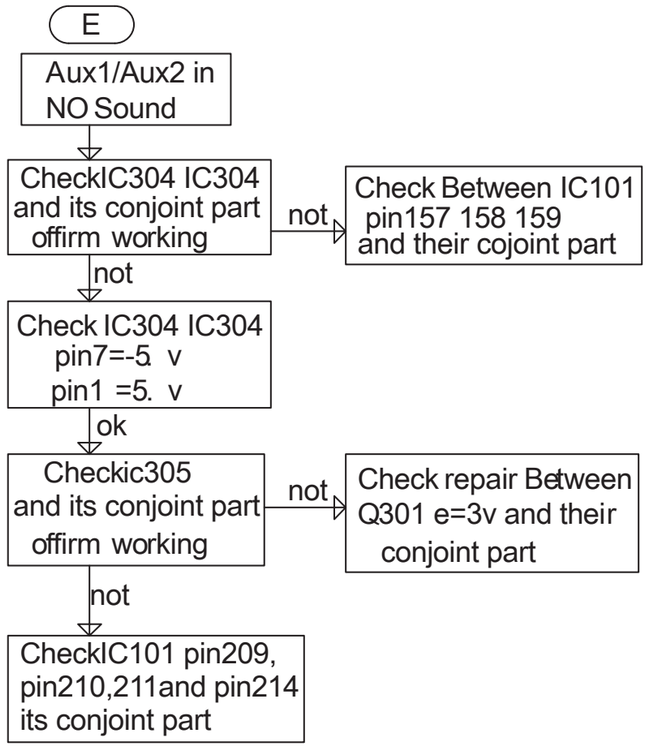


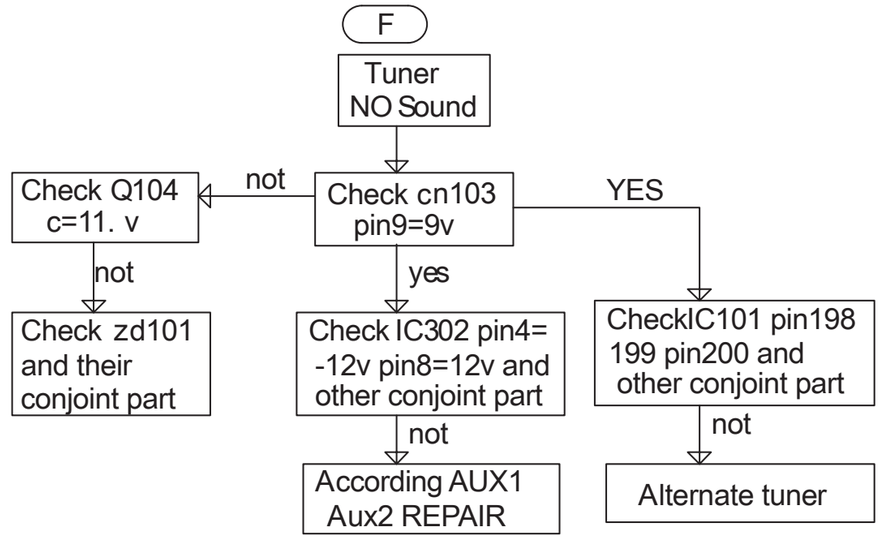


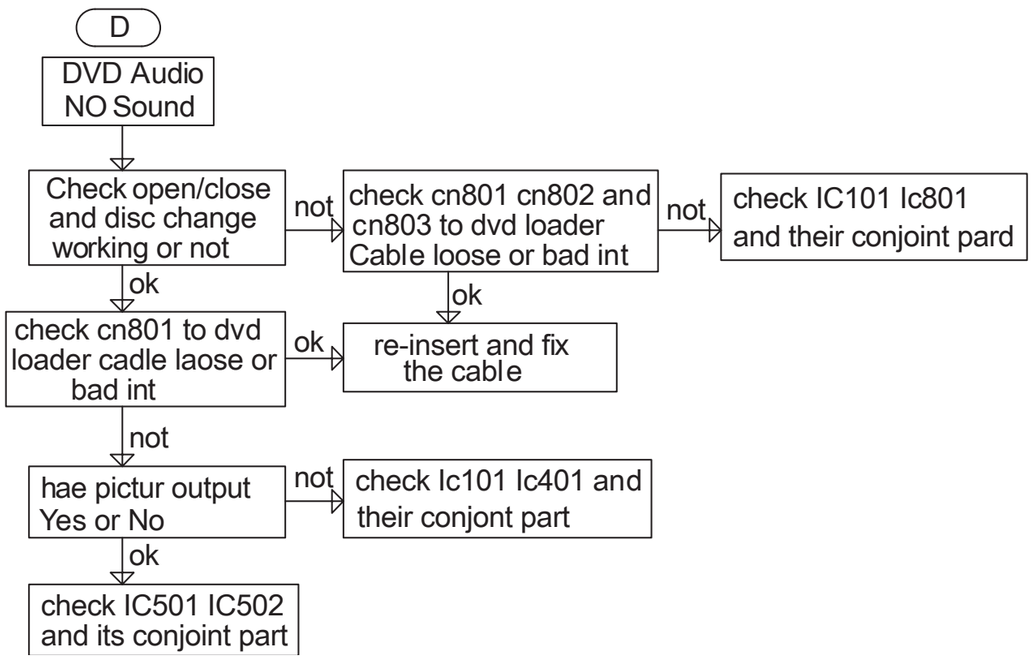


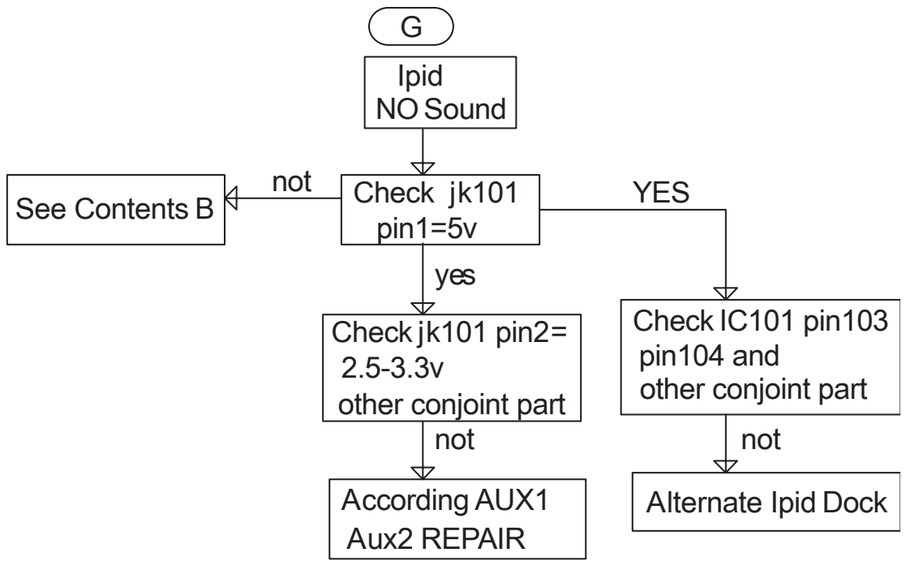
REPAIR INSTRUCTIONS (part two)











DISASSEMBLY INSTRUCTIONS

Dismantling of the Front Panel Assemble

1) Open the DVD Tray by using the Open/Close Button while the Set is ON and disconnect the mains supply after removing the Tray Cover.
   Note: If this is not possible, the DVD Tray has to be open manually.
   Take a mini screw driver about 2mm diameter and make a marking 24mm from the tip as shown in figure 2 . Place the set on its side, insert the mini screw driver till the marking and slide it towards the left as shown in figure 1 until the Tray moves out of the Front Panel.
2) Return the set to its upright position and remove the Tray Cover as shown in Figure 3 and close the tray manually by pushing it back in.

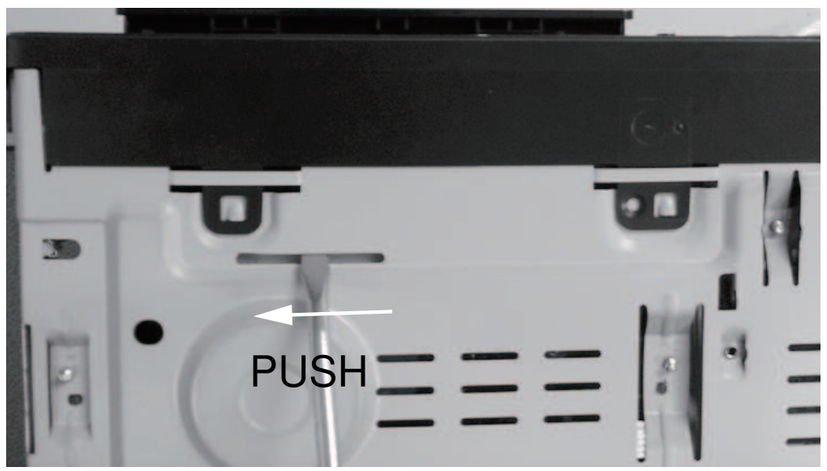


Figure 1

Figure 2

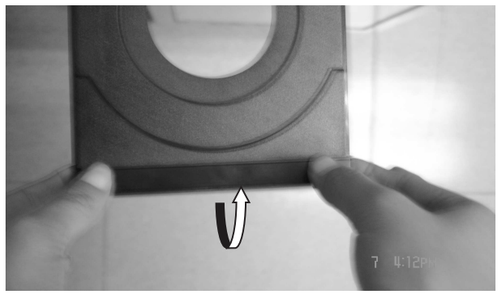


Figure 3

3 - 1

3) Loosen 6 screws and remove the Top Cover by lifting the rear portion upwards before sliding it out towards the rear.
   - 1 screw “A” each on the left & right side as shown in figure 4.
   - 4 screws “B” at the back panel as shown in figure 5.
4) Loosen 6 screws “C“ at the bottom panel as in figure 6 to remove the front panel.

Figure 4

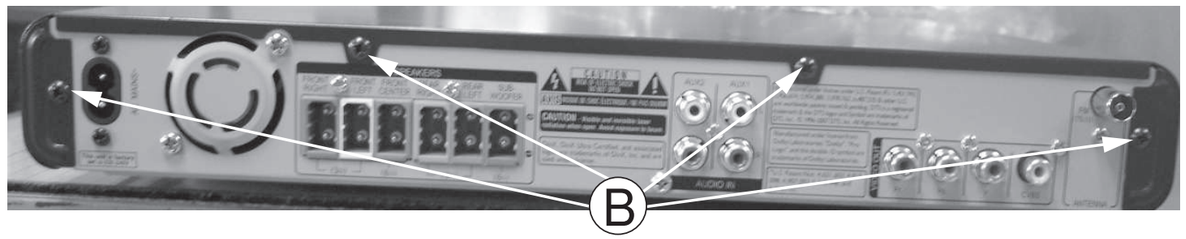


Figure 5

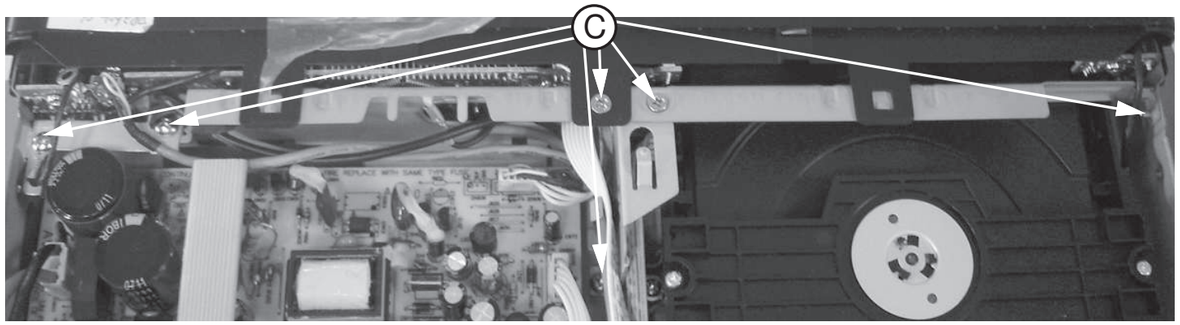


Figure 6

Dismantling of the Power Board

1) Loosen 4 screws " D " on the top of power board as shown in figure 7.
2) With a pincers to nip this space as shown in figurer 8 and to take up the power board.

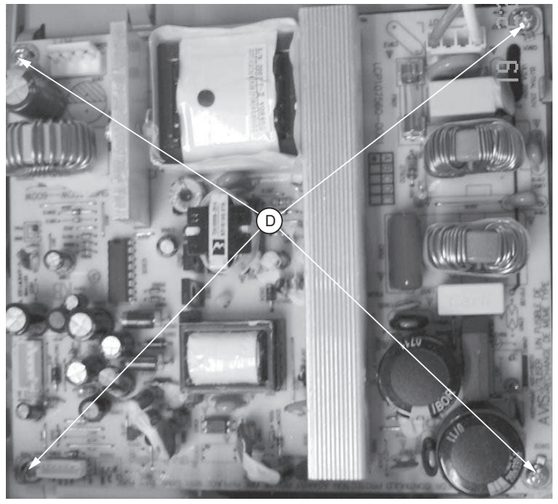


Figure 7

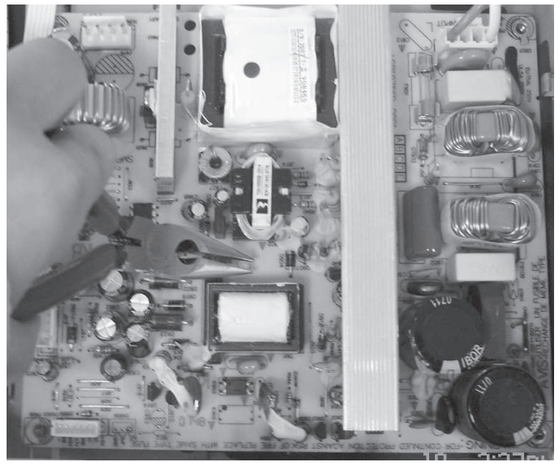


Figure 8

Dismantling of the Main Board

1) Loosen 4 screws "E" on the top of main board as shown in figure 9.
2) Loosen 6 screws "F" at the back panel as shown in figure 10.

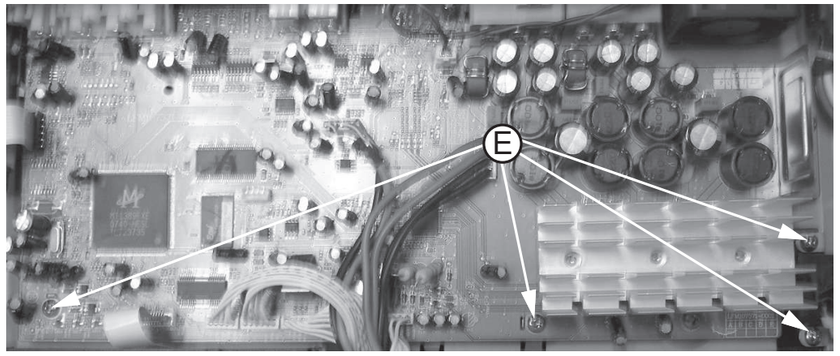


Figure 9

Figure 10

Dismantling of the DVD Module

1) Loosen 4 screws "G" at the DVD module as shown in figure 11.

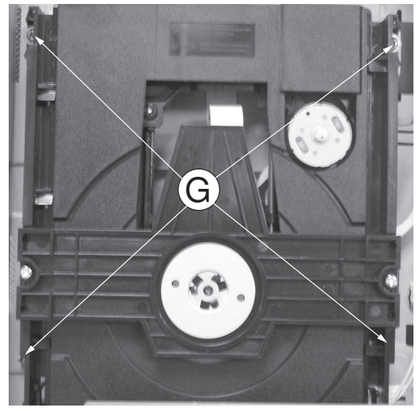


Figure 11

Dismantling of the VFD+JACK+STANDBY Board

1) Loosen 10 screws "H" on the top of VFD+JACK+STANDBY board as shown in figure 12.

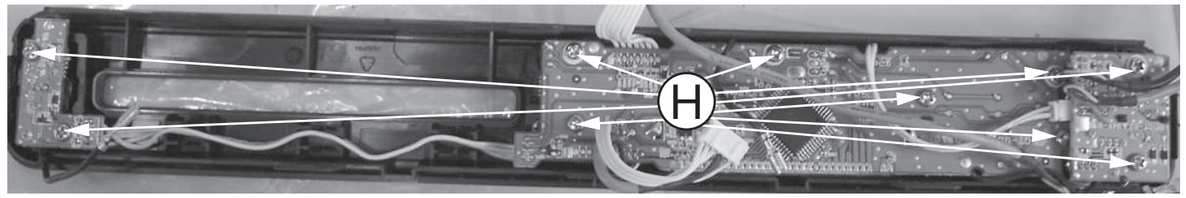
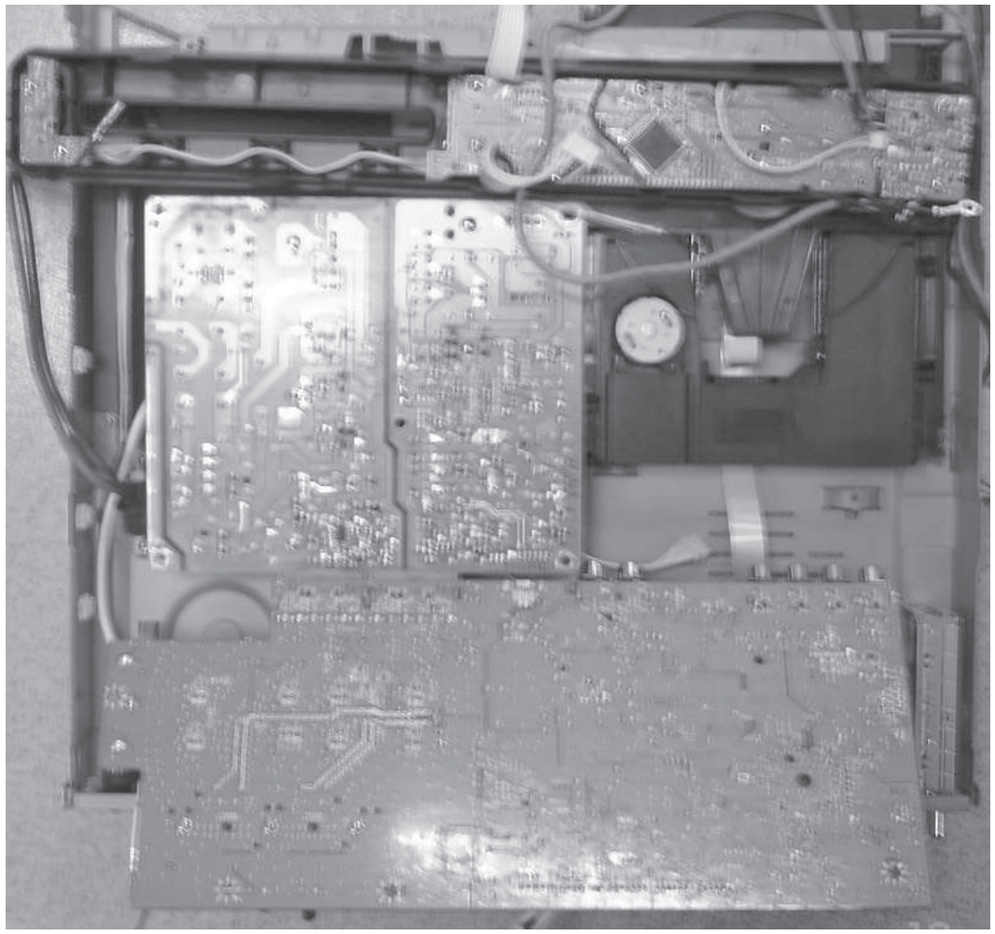


Figure 12

3 - 3

SERVICE POSITIONS

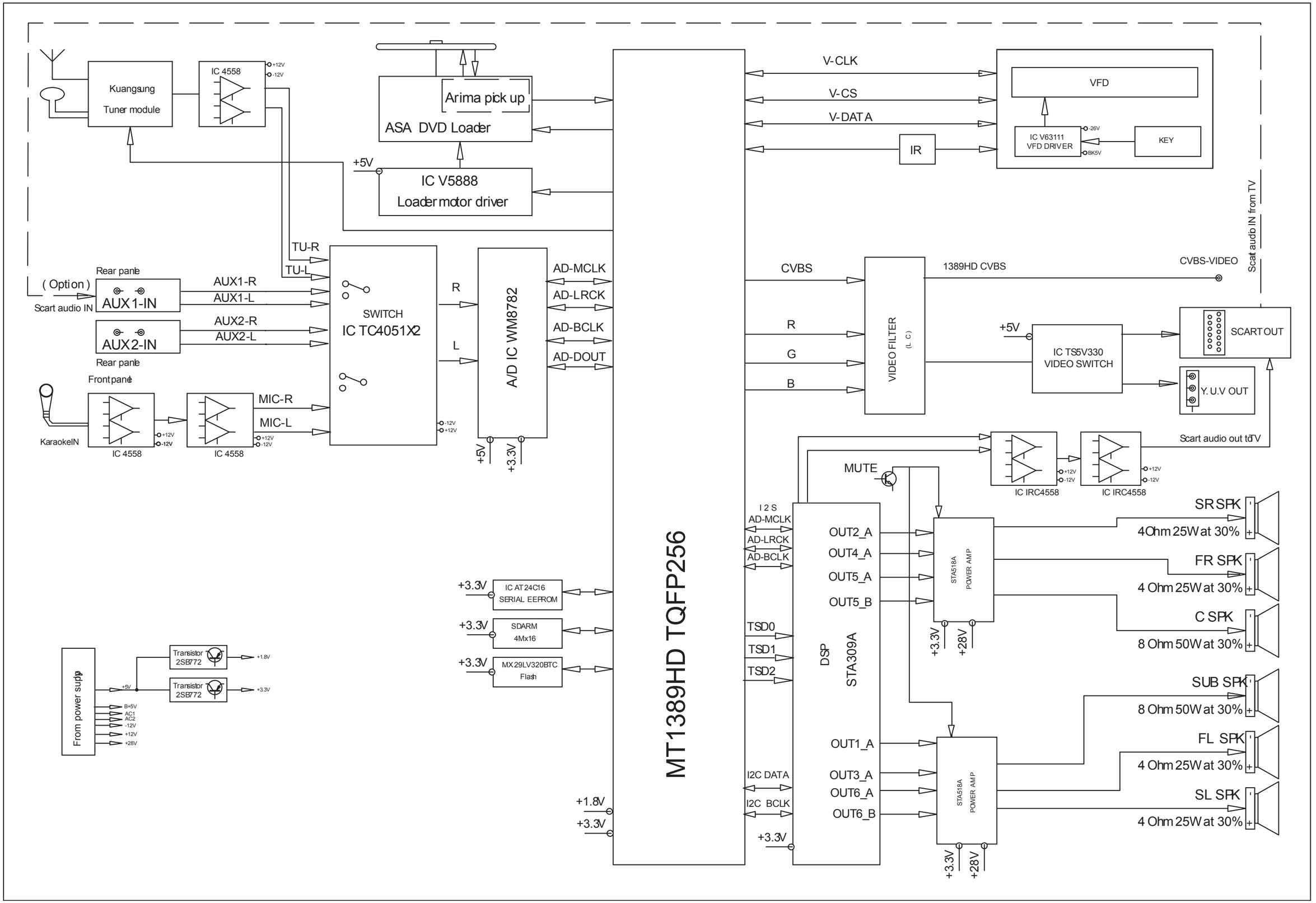
Service position A



Note:In some service positions the components or copper patterns of one board may risk touching its neighbouring pc boards or metallic parts. To prevent such short-circuit use a piece of hard paper or other insulating material between them.

4 - 1

BLOCK DIAGRAM



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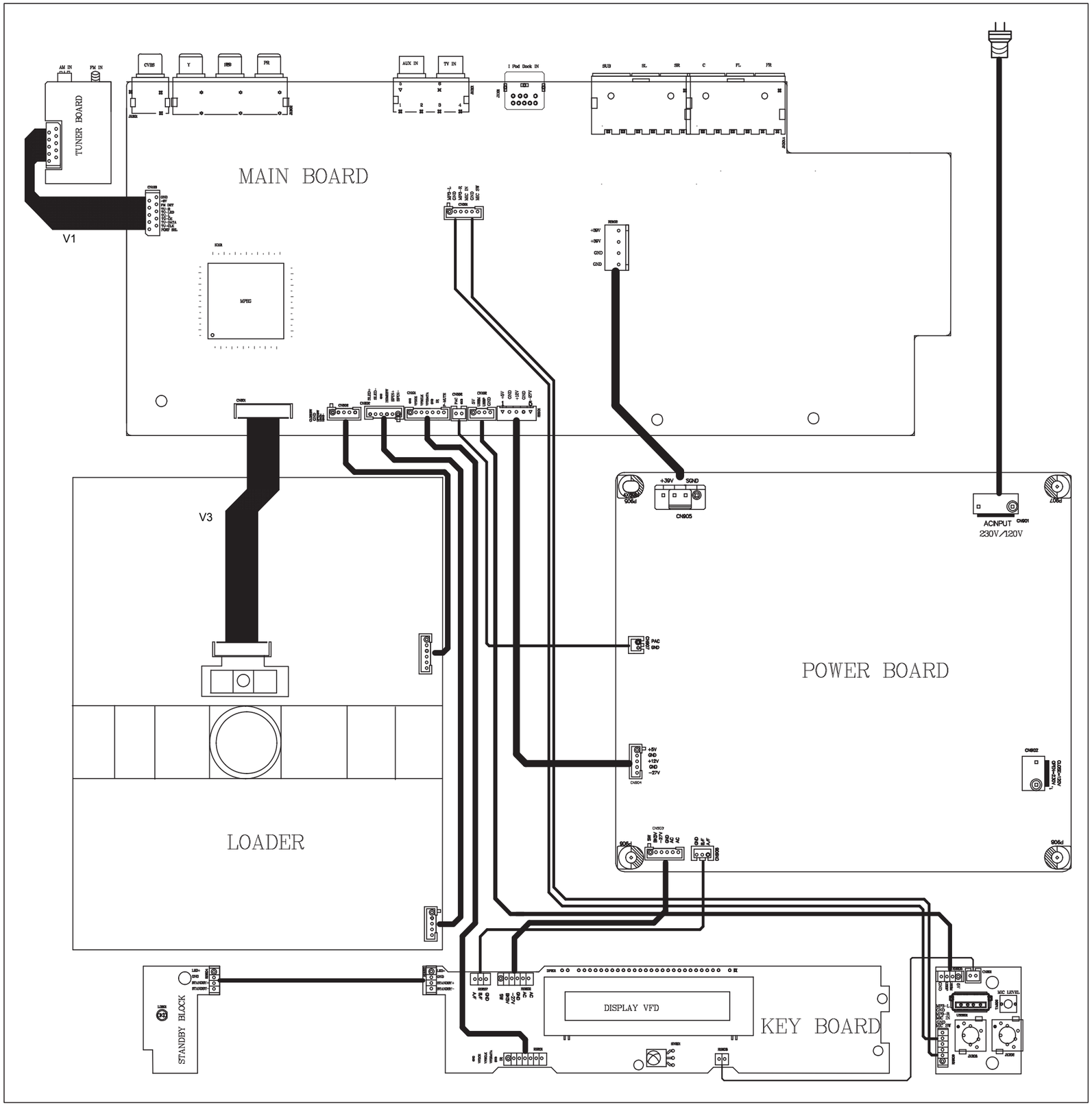
WIRING DIAGRAM



CONTROL BOARD

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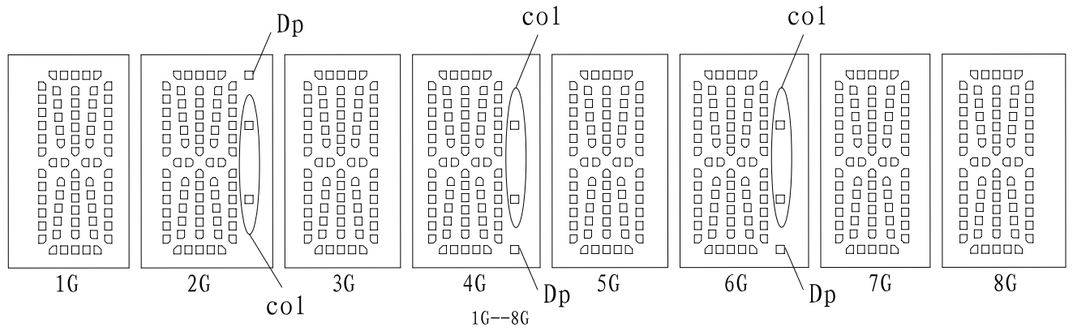
FTD DISPLAY PIN ASSIGNMENT



	1G	2G	3G	4G	5G	6G	7G	8G
P1	a	a	a	a	a	a	a	a
P2	j, p	j, p	j, p	j, p	j, p	j, p	j, p	j, p
P3	h	h	h	h	h	h	h	h
P4	k	k	k	k	k	k	k	k
P5	b	b	b	b	b	b	b	b
P6	f	f	f	f	f	f	f	f
P7	m	m	m	m	m	m	m	m
P8	g	g	g	g	g	g	g	g
P9	c	c	c	c	c	c	c	c
P10	e	e	e	e	e	e	e	e
P11	r	r	r	r	r	r	r	r
P12	n	n	n	n	n	n	n	n
P13	d	d	d	d	d	d	d	d
P14		col		col		col		
P15		Dp		Dp		Dp		

PIN CONNECTION

管脚序号(Pin NO.)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
连接(Connection)	F1	F1	NP	NC	P15	P14	NC	P13	P12	P11	P10	P9	P8	P7	P6	P5
管脚序号(Pin NO.)	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
连接(Connection)	P4	P3	P2	P1	NC	1G	2G	3G	4G	5G	6G	7G	8G	NP	F2	F2

注(Notes) : Fn :灯丝(Filament Pin) nG :栅极(Grid Pin)
Pn :阳极(Anode Pin) NP :无引出脚(No Pin)
NC :无功能(No connection Pin)

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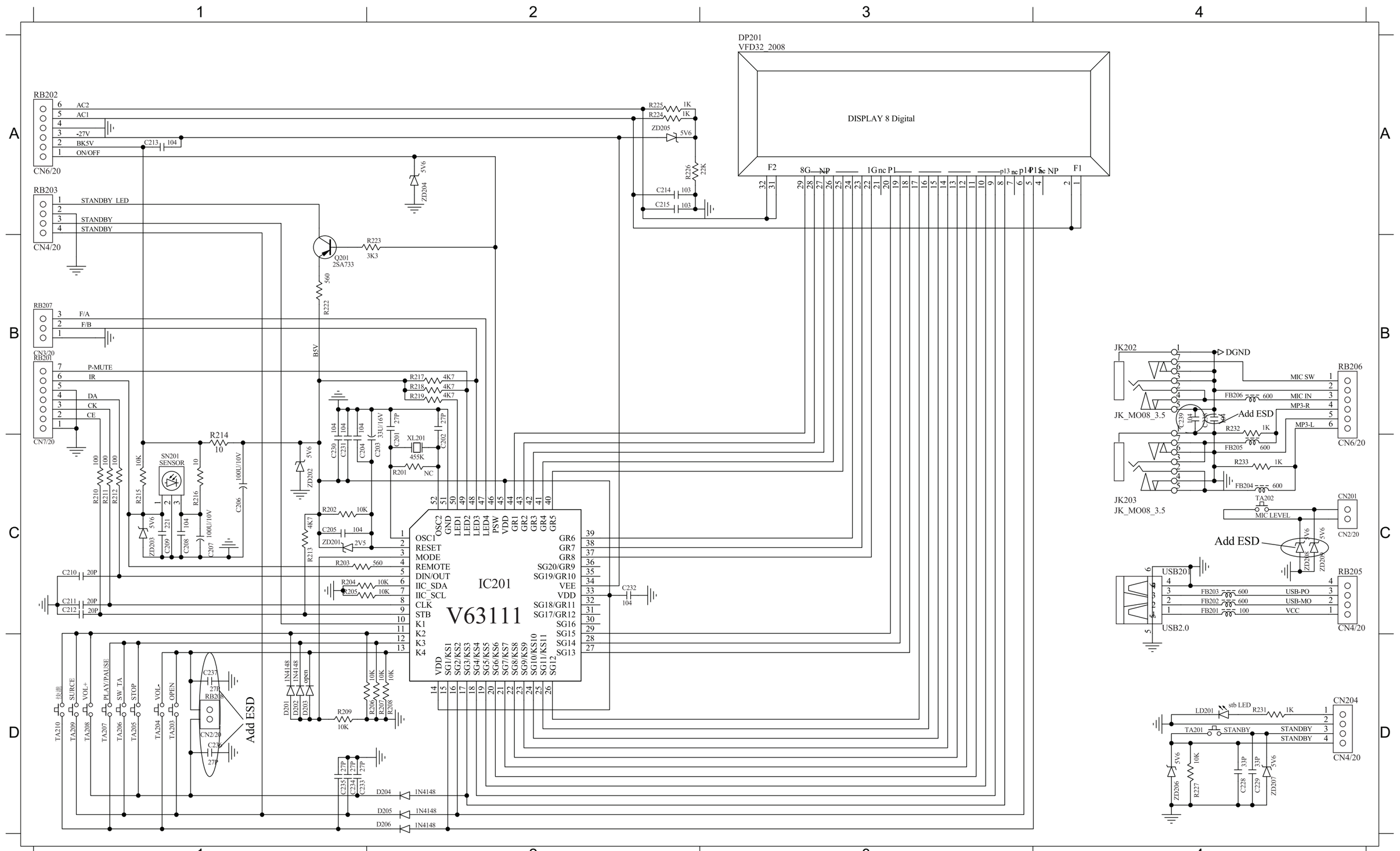
CIRCUIT DIAGRAM

C1 D4	C14 B2	C18 C1	C22 B4	D12 D2	FB12D3	IC11 B3	Q12 C1	Q16 A2	R14 B1	R18 C1	R22 D1	R26 D1	R30 C2	R34 C2	R40 A3	R44 D1	RB13A1	SN11B1	TA14D1	TA18D2
C11 B1	C15 D3	C19 B2	C23 B3	D13 D2	FB13D3	JK11 C2	Q13 D1	R11 A1	R15 B1	R19 C1	R23 C1	R27 A2	R31 C2	R35 C2	R41 A4	R45 D1	RB14A1	TA11 D1	TA15D2	TA20D2
C12 B1	C16 C1	C20 B2	C24 B1	DP11A3	FB14D3	LD11 A2	Q14 D1	R12 B1	R16 C1	R20 C1	R24 D1	R28 A2	R32 C2	R38 B2	R42 C1	RB11A1	RB15D3	TA12D1	TA16D2	USB11D3
C13 B1	C17 C1	C21 B3	D11 D2	FB11C3	FB15D3	Q11 B1	Q15 D1	R13 A2	R17 C1	R21 D1	R25 D1	R29 B2	R33 C2	R39 B2	R43 D1	RB12B1	RB16D3	TA13D1	TA17D2	ZD1 A1



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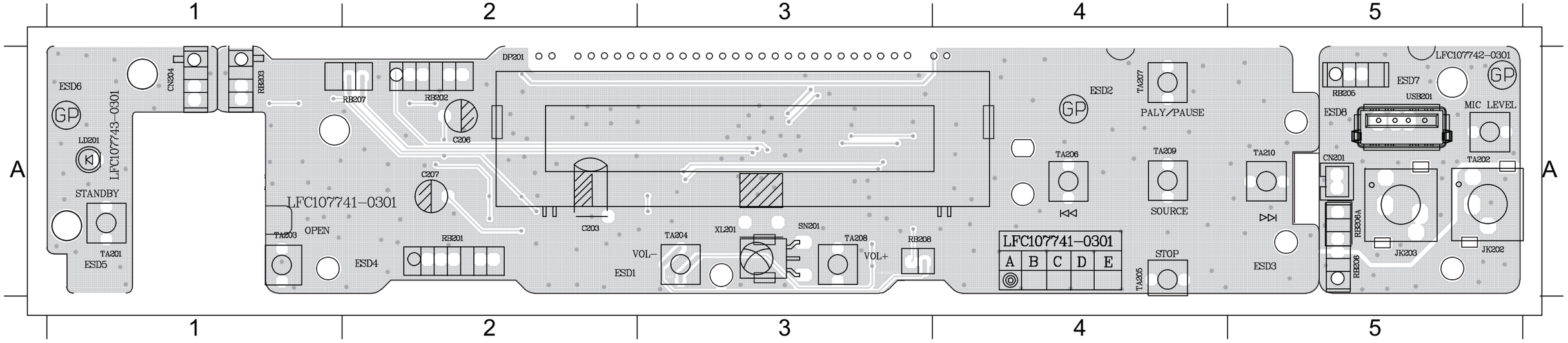
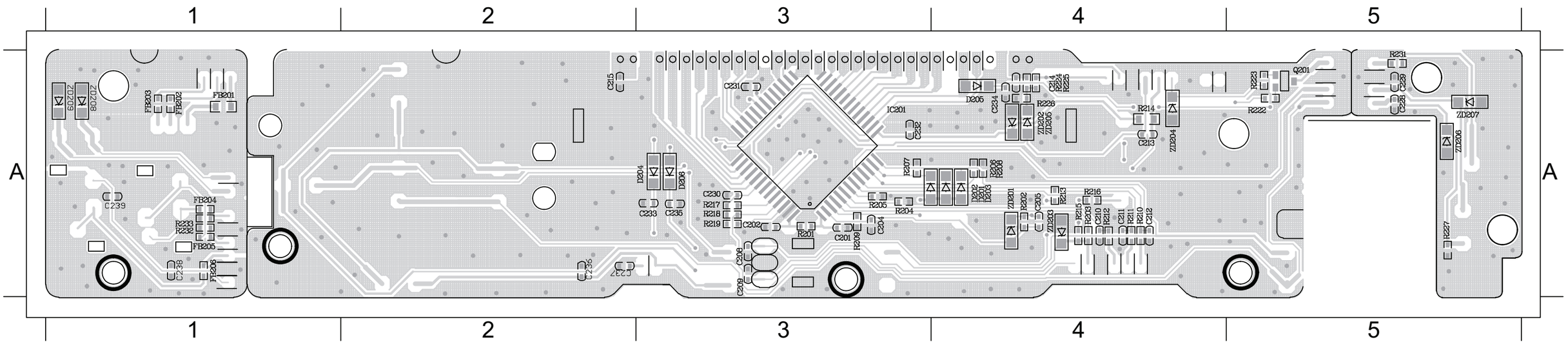
PCB LAYOUT - TOP VIEW



PCB LAYOUT - BOTTOM VIEW



MAIN BOARD

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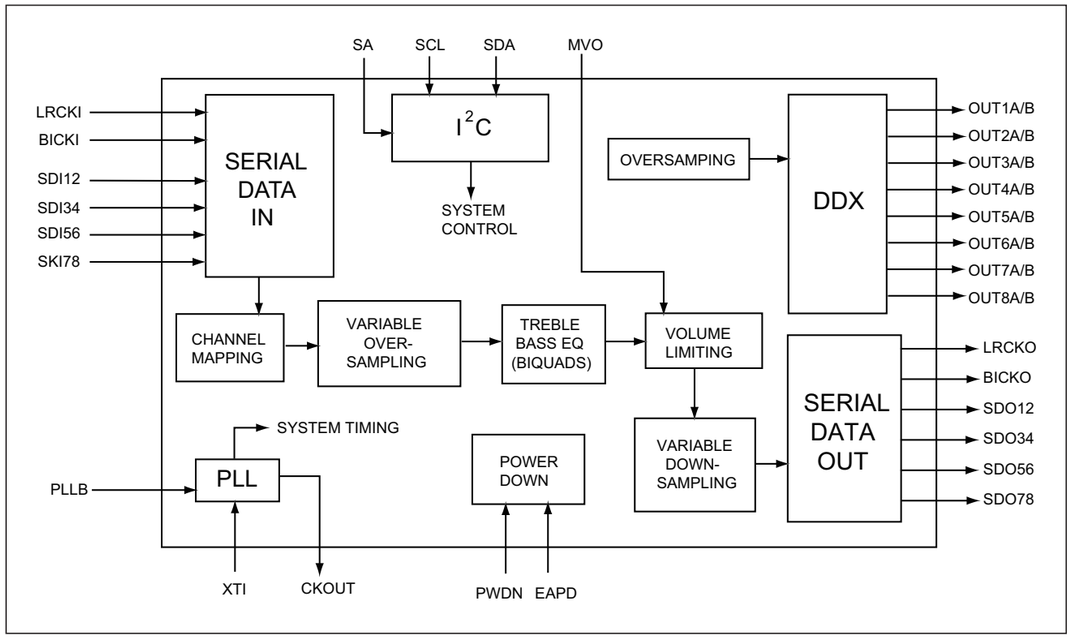
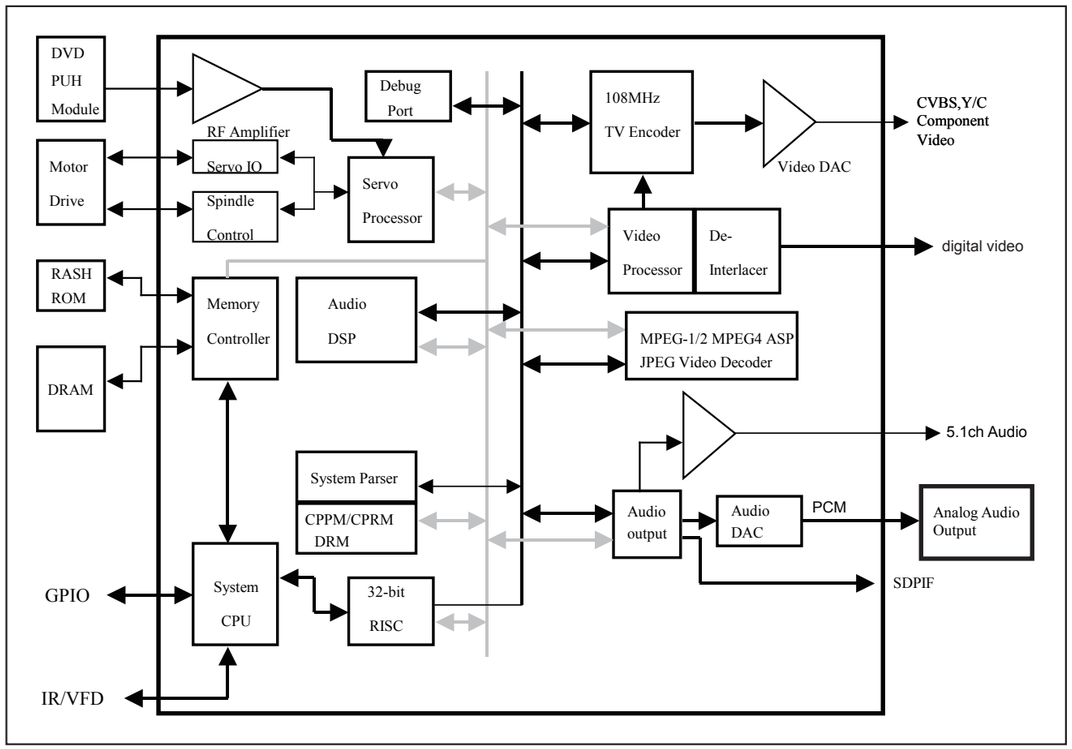
INTERNAL IC DIAGRAM - STA309A



INTERNAL IC DIAGRAM - MT1389HD



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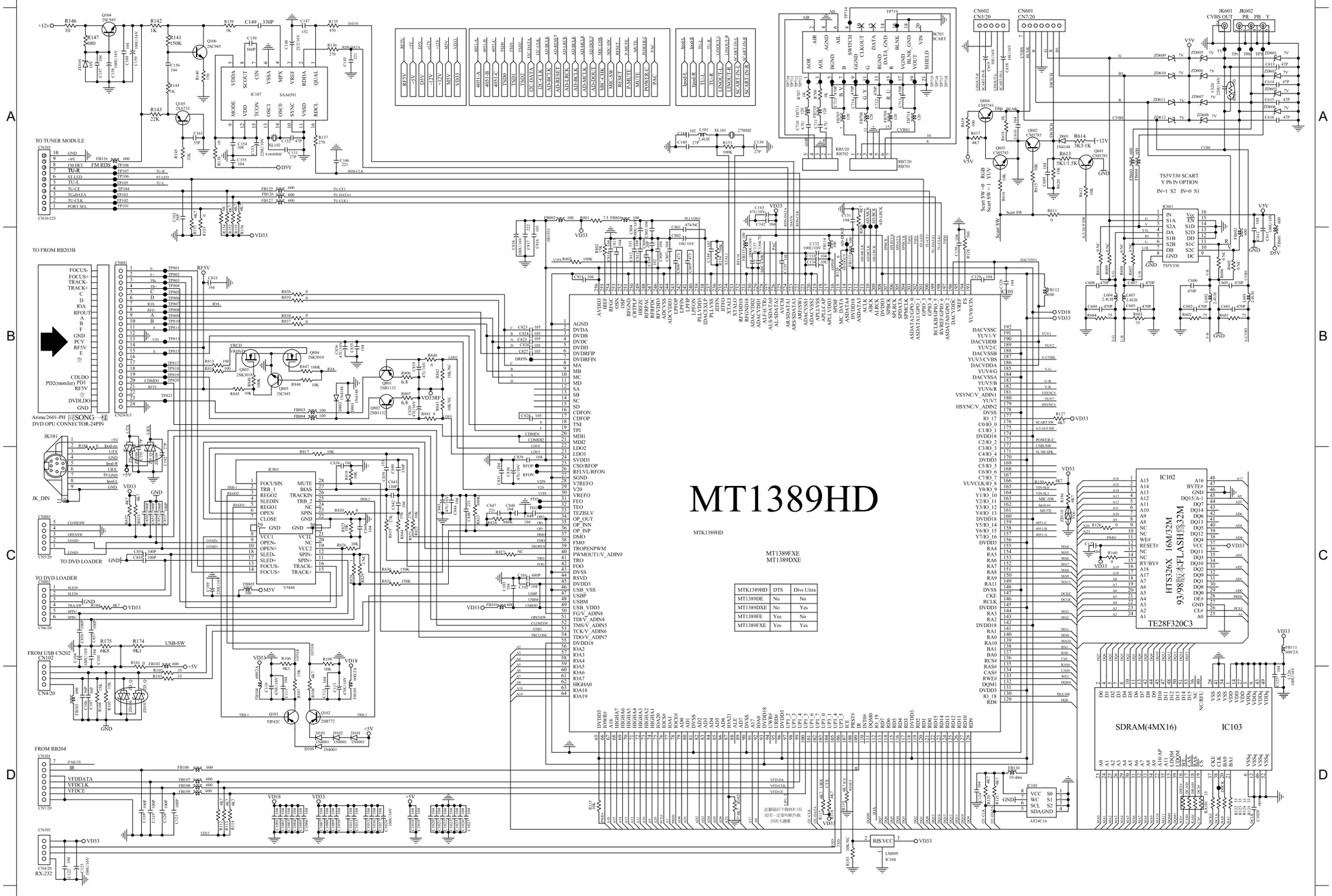
CIRCUIT DIAGRAM - part one



C1001	D1	C607	B5	D802	B2	R128	B4
C1002	D1	C608	B5	FB101	C2	R129	B4
C1003	D2	C609	B5	FB102	C1	R133	A3
C1004	D2	C611	B5	FB103	C1	R134	B3
C1005	D2	C612	B5	FB104	D1	R146	A1
C1006	D2	C613	A5	FB105	D2	R147	A1
C1007	D2	C614	A5	FB106	D1	R151	A1
C1008	D2	C615	A5	FB107	D1	R152	A1
C1009	D2	C616	A5	FB108	D1	R153	A1
C101	C2	C620	A5	FB109	D1	R155	A1
C1010	D2	C802	B3	FB110	D4	R156	A1
C1012	D2	C803	B3	FB111	C5	R159	C4
C1013	D2	C804	A3	FB112	B4	R160	C5
C1015	D2	C805	B3	FB113	B4	R174	C1
C1016	D2	C806	B3	FB114	B4	R175	C1
C1017	D2	C807	B3	FB115	B3	R182	D3
C1018	D2	C808	B3	FB116	A1	R184	C1
C1019	D2	C809	B3	FB125	B1	R601	B5
C102	C2	C810	B3	FB126	B1	R602	B5
C1020	D2	C811	B3	FB127	B1	R603	B5
C1021	D2	C812	B3	FB601	B5	R604	B5
C1022	D2	C813	B3	FB602	B5	R605	B5
C1023	D2	C814	B3	FB603	A5	R607	B5
C1024	D2	C815	B3	FB604	A5	R610	B5
C1025	D2	C816	B2	FB801	A3	R801	A3
C1026	D2	C817	B2	FB802	A3	R802	B3
C1027	D2	C818	B2	FB803	B2	R803	B3
C103	C2	C819	B2	FB804	B2	R806	B2
C104	C1	C820	B2	FB805	C1	R807	B2
C105	C1	C823	B2	IC101	B4	R808	A4
C106	D1	C824	B2	IC102	C5	R813	B1
C107	D1	C825	B2	IC103	D5	R814	B1
C110	D2	C826	B2	IC104	D4	R817	C2
C111	D2	C827	B2	IC105	D4	R818	C2
C112	D2	C828	B2	IC801	C1	R819	C2
C113	D2	C829	C2	JK601	A5	R820	C2
C118	D1	C830	C2	JK602	A5	R821	C2
C119	D1	C831	C2	L601	B5	R822	C2
C120	D1	C833	B1	L602	B5	R823	C2
C121	D1	C835	B2	L603	B5	R824	C2
C122	D1	C836	B2	L604	B5	R825	C2
C123	D1	C838	C2	Q101	D1	R826	C2
C124	D4	C839	C2	Q102	D2	R828	C2
C125	D5	C840	C2	Q104	A1	R830	C2
C126	D5	C841	C2	Q801	B2	R831	C2
C127	C5	C842	C2	Q802	B2	R832	C1
C128	B4	C843	C2	Q803	B1	R833	C1
C129	B4	C844	C2	Q804	B2	R836	B1
C130	B4	C845	C2	Q805	B1	R837	B1
C131	A4	C846	C2	R101	C1	R838	B1
C132	B4	C847	C2	R102	C1	R839	B1
C133	B4	C848	C2	R103	C1	R840	B2
C134	B4	C849	C2	R104	D1	R841	B2
C135	B3	C850	C1	R105	D1	R844	C2
C136	B3	C851	C1	R106	C1	R845	B1
C137	B3	C852	C1	R107	D2	R846	B1
C139	A3	C853	C1	R108	D2	R847	B2
C140	A3	C854	C1	R109	C2	R848	B2
C142	A3	C855	C1	R112	D1	RA101	D5
C143	A3	C856	C1	R113	D1	XL101	A3
C144	B3	C857	C1	R114	D1	ZD101	A1
C157	A1	CN101	D1	R115	D3	ZD106	D1
C158	A1	CN102	C1	R117	D4	ZD107	D1
C159	A1	CN103	A1	R118	D4	ZD601	A5
C160	A1	CN105	D1	R119	D4	ZD602	A5
C162	A1	CN801	B1	R120	D4	ZD603	A5
C189	C1	CN802	C1	R121	D4	ZD604	A5
C601	B5	CN803	C1	R122	D5	ZD605	A5
C602	B5	D101	D2	R123	D5	ZD606	A5
C603	B5	D102	D2	R124	D5	ZD607	A5
C604	B5	D103	D2	R125	D5	ZD608	A5
C605	B5	D104	D2	R126	C5		
C606	B5	D801	B2	R127	B5		

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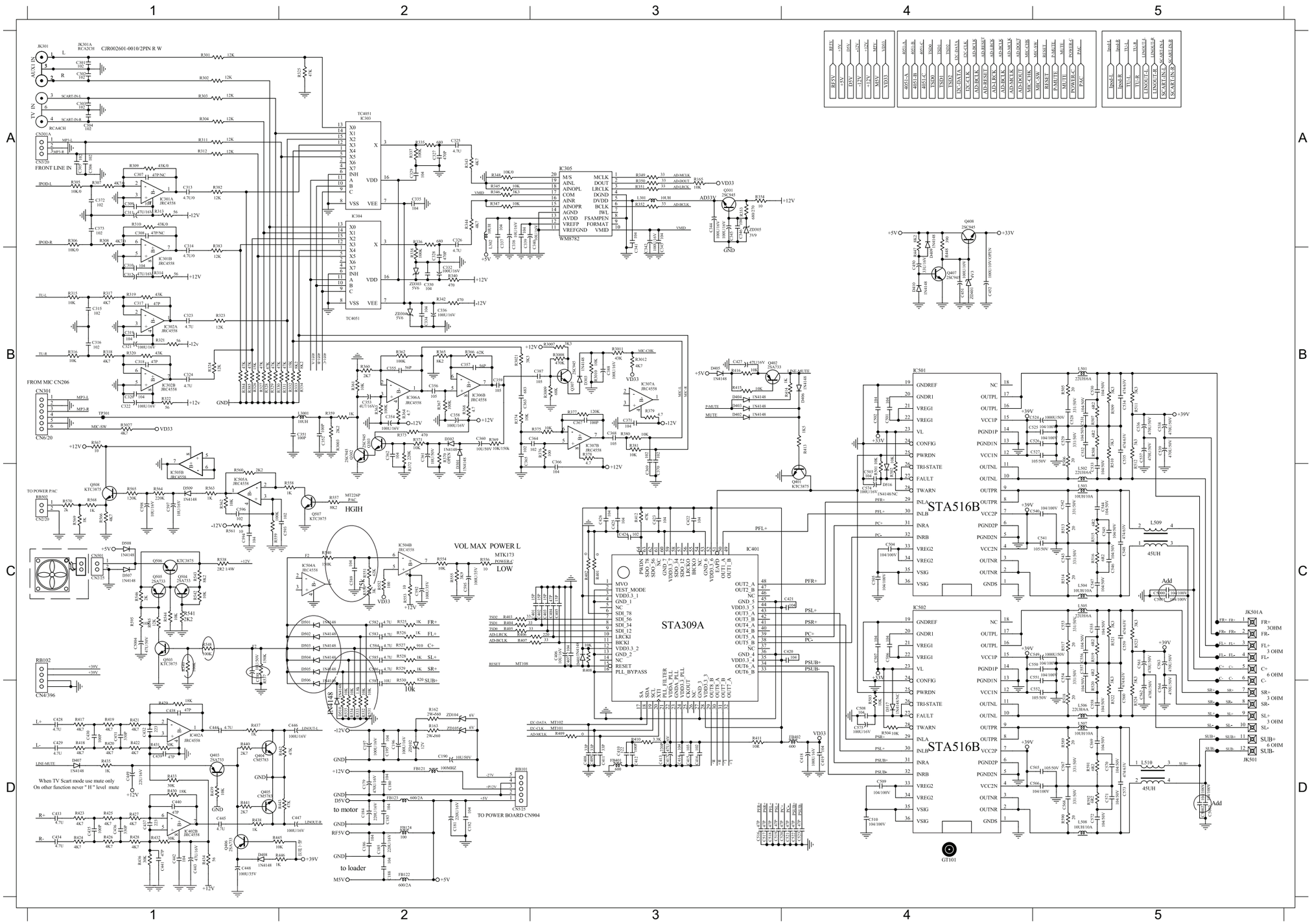
CIRCUIT DIAGRAM - part two



C179	D2	C417	D3	C584	C2	R3011	B3	R416	B3
C180	D2	C418	D4	C585	C2	R3012	B3	R442	D2
C181	D2	C419	D4	C586	C2	R302	A1	R447	B4
C182	D2	C420	C4	C587	D2	R3021	B2	R448	B4
C183	D2	C421	C4	C588	C1	R3027	B1	R501	C4
C184	D2	C422	C3	C589	C2	R303	A1	R502	C4
C185	D2	C423	C3	C592	C2	R304	A1	R503	D4
C186	D2	C424	C3	C593	C2	R311	A1	R504	D4
C188	D2	C425	C3	C594	C1	R312	A1	R505	B5
C190	D2	C426	C3	C595	C2	R313	A1	R506	B5
C195	D2	C427	B3	C596	C1	R314	B1	R507	B5
C196	D2	C450	B4	C597	C1	R315	B1	R508	B5
C197	D2	C451	B4	C598	C1	R316	B1	R509	B5
C301	A1	C5000	C5	CN301	B1	R317	B1	R510	B5
C302	A1	C5001	C5	CN501	C1	R318	B1	R511	B5
C303	A1	C5002	D5	D301	B2	R319	B1	R512	B5
C304	A1	C5003	D5	D302	B2	R320	B1	R513	C5
C305	A1	C5004	C1	D303	B3	R321	B1	R514	C5
C306	A1	C501	B4	D401	C3	R322	B1	R515	C5
C311	A1	C502	B4	D402	B3	R323	B1	R516	C5
C312	B1	C503	C4	D403	B3	R324	B1	R517	C5
C315	B1	C504	C4	D404	B3	R325	A2	R518	D5
C316	B1	C505	C4	D405	B3	R326	B1	R519	C5
C317	B1	C506	C4	D406	B4	R327	B1	R520	D5
C318	B1	C507	C4	D409	B4	R328	B1	R521	D5
C319	B1	C508	D4	D410	B4	R329	B1	R522	D5
C320	B1	C509	D4	D501	C2	R330	B1	R523	D5
C321	B1	C510	D4	D502	C2	R331	B2	R524	D5
C322	B1	C516	D3	D503	C2	R332	B2	R525	C2
C323	B1	C517	D3	D504	C2	R333	B2	R526	C2
C324	B1	C518	D3	D505	C2	R334	B2	R527	C2
C325	A2	C519	D3	D506	C2	R335	A2	R528	C2
C326	A2	C520	D4	D507	C1	R336	A2	R529	C2
C327	A2	C521	D4	D508	C1	R337	A2	R530	D2
C328	B2	C522	D4	D509	C1	R338	B2	R531	D2
C329	A2	C523	D4	FB121	D2	R340	B2	R532	D2
C330	B2	C524	B3	FB122	D2	R342	B2	R533	D2
C332	B2	C525	B3	FB123	D2	R343	A2	R534	D2
C334	B2	C526	B3	FB124	D2	R344	A2	R535	D2
C335	A2	C527	B3	FB401	D3	R345	A2	R537	C1
C336	B2	C528	B5	FB402	D4	R346	A2	R538	C1
C337	A2	C529	B5	IC302	B1	R347	A2	R540	C2
C338	A2	C530	B5	IC303	A2	R348	A2	R541	C1
C339	A2	C531	B5	IC304	A2	R349	A3	R542	C1
C340	A3	C532	B5	IC305	A3	R350	A3	R543	C1
C341	A3	C533	B5	IC306	B2	R351	A3	R544	C1
C342	A3	C534	B5	IC307	B3	R352	A3	R545	C1
C343	A3	C535	B5	IC401	C3	R353	A3	R546	C1
C344	A3	C536	B5	IC501	B4	R354	A3	R548	C1
C345	A3	C537	B5	IC502	C4	R359	B2	R549	C1
C346	A3	C538	B5	IC504	C2	R360	B2	R550	C2
C351	B2	C539	B5	IC505	C1	R361	B2	R551	C2
C352	B2	C540	C3	JK501	C5	R362	B2	R552	C2
C353	B2	C541	C4	JK501A	C5	R363	B2	R553	C2
C354	B2	C542	C4	L3001	B2	R364	B2	R554	C2
C355	B2	C543	C4	L301	A3	R365	B2	R555	C2
C356	B2	C544	C4	L302	A2	R366	B2	R556	C2
C357	B2	C545	C4	L501	B5	R367	B2	R557	C2
C358	B2	C546	C4	L502	C5	R368	B2	R558	C2
C359	B2	C547	C4	L503	C5	R369	B2	R559	C1
C360	B2	C548	C4	L504	C5	R371	B2	R560	C1
C361	B2	C549	C4	L505	C5	R372	B2	R561	C1
C362	B2	C550	C4	L506	D5	R373	B2	R562	C1
C363	B2	C551	C4	L507	D5	R374	B2	R563	C1
C364	B2	C552	D4	L508	D5	R375	B3	R564	C1
C365	B2	C553	C5	L509	C5	R376	B3	R565	C1
C366	B3	C554	C5	L510	D4	R377	B3	R566	C1
C367	B3	C555	C5	Q301	A3	R378	B3	R567	B1
C368	B3	C556	C5	Q302	B2	R379	B3	R568	C1
C369	C3	C557	C5	Q303	B2	R380	B3	R569	C1
C370	C3	C558	D5	Q307	B3	R381	B3	R570	C1
C371	B3	C559	C5	Q401	C4	R382	A1	R589	D5
C387	B3	C560	C5	Q402	B3	R383	A1	R590	D5
C388	B3	C561	C5	Q407	B4	R384	B1	R591	D5
C401	C3	C562	C5	Q408	A4	R385	B1	R592	D5
C402	C3	C563	C5	Q503	C1	R401	C3	R595	C1
C403	C3	C564	C5	Q504	C1	R402	C3	RB101	D2
C404	C3	C565	D5	Q505	C1	R403	C2	RB102	C1
C405	C3	C566	D5	Q506	C1	R404	C2	RB502	C1
C406	C3	C567	D5	Q507	C2	R405	C2	ZD102	D2
C407	C3	C568	D5	Q508	C1	R406	C2	ZD104	D2
C408	D3	C569	D5	R162	D2	R407	C2	ZD105	D2
C409	D3	C570	D5	R163	D2	R408	C3	ZD303	B2
C410	D3	C571	D5	R165	A3	R409	D3	ZD304	B2
C411	D3	C572	D5	R3003	B2	R410	D3	ZD305	A3
C412	D3	C573	D5	R3007	B3	R411	D3	ZD401	B4
C413	D3	C574	C5	R3008	B3	R412	C3		
C414	D3	C575	D5	R3009	B3	R413	B4		
C415	D3	C582	C2	R301	A1	R414	B4		
C416	D3	C583	C2	R3010	B3	R415	B3		

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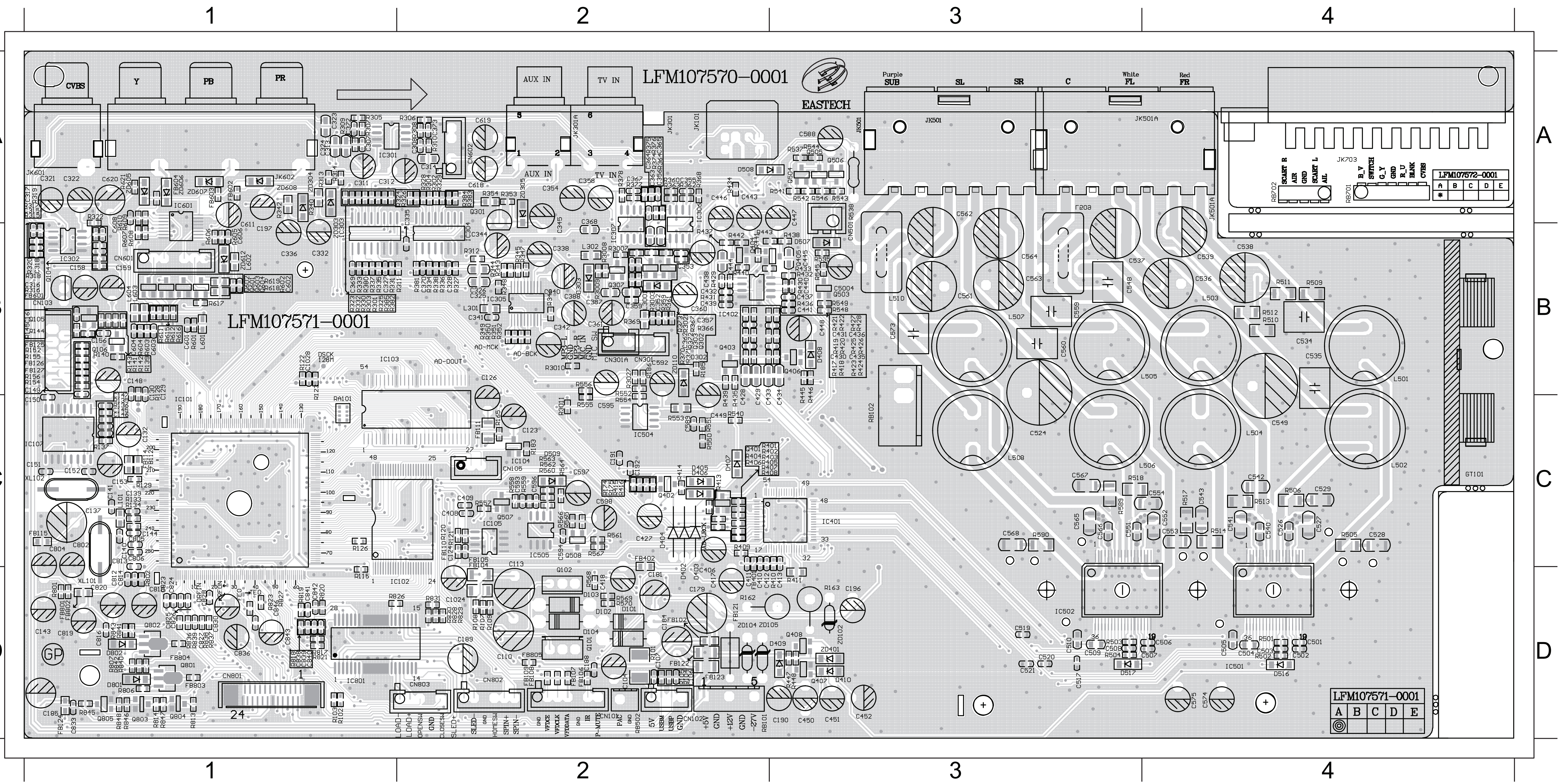
PCB LAYOUT - TOP VIEW

C1024	D2	C159	B1	C324	A1	C355	A2	C408	C2	C507	D4	C540	C4	C567	C3
C104	D2	C179	D2	C325	B2	C356	A2	C409	C2	C508	D3	C541	C4	C568	C3
C106	D2	C181	D2	C326	B2	C357	B2	C410	D2	C509	D3	C542	C4	C573	B3
C107	D2	C184	D2	C327	B1	C358	A2	C411	D2	C510	D3	C543	C4	C574	D4
C110	D2	C188	D2	C328	B2	C359	B2	C412	D2	C517	D3	C548	B3	C575	D4
C113	C2	C189	D2	C332	B1	C360	B2	C413	D3	C519	D3	C549	C4	C588	A3
C123	C2	C190	D3	C335	A2	C361	B2	C417	D2	C520	D3	C551	C3	C589	C2
C124	C2	C196	D3	C336	B1	C362	B2	C418	D2	C521	D3	C552	C4	C592	B2
C126	B2	C197	B1	C338	B2	C363	A2	C427	C2	C524	C3	C553	C4	C593	C2
C129	B1	C311	A1	C340	B2	C364	A2	C450	D3	C526	C4	C554	C4	C594	C2
C130	B1	C312	A1	C341	B2	C365	A2	C451	D3	C527	C4	C559	B3	C595	C2
C132	C1	C315	A1	C342	B2	C367	A2	C5004	B3	C529	C4	C560	B3	C596	C2
C137	C1	C316	B1	C343	C2	C368	B2	C501	D4	C534	B3	C561	B3	C597	C2
C139	C1	C317	A1	C344	B2	C369	B1	C502	D4	C535	B3	C562	A3	C598	C2
C140	C1	C318	B1	C345	C2	C370	B2	C503	D4	C536	B4	C563	B3	C601	B1
C143	D1	C321	A1	C352	B2	C387	B2	C504	D4	C537	B3	C564	B3	C602	B1
C144	C1	C322	A1	C353	B2	C388	B2	C505	D4	C538	B4	C565	C3	C603	B1
C158	B1	C323	A1	C354	A2	C406	D2	C506	D4	C539	B4	C566	C3	C604	B1

C606	B1	C826	D1	CN501	B3	D508	A2	FB123	D2	IC103	B1	JK602	A1
C608	A1	C827	D1	CN801	D1	D509	C2	FB124	D1	IC104	C2	L3001	B2
C611	B1	C828	D1	CN802	D2	D801	D1	FB125	B1	IC105	C2	L301	B2
C620	A1	C830	D1	CN803	D2	D802	D1	FB126	B1	IC302	B1	L302	B2
C802	C1	C833	D1	D101	D2	FB102	D2	FB127	B1	IC303	B1	L501	B3
C804	C1	C836	D1	D102	D2	FB104	C2	FB401	D2	IC304	B2	L502	C4
C805	C1	C838	D1	D103	D2	FB105	C2	FB402	C2	IC305	B2	L503	B5
C806	C1	C839	D1	D104	D2	FB106	D2	FB601	B1	IC306	A2	L504	C4
C812	D1	C840	D1	D302	B2	FB107	D2	FB602	A1	IC307	B2	L505	B5
C813	C1	C841	D1	D303	B2	FB108	D2	FB603	A1	IC401	C3	L506	C3
C814	D1	C842	D1	D402	D2	FB109	D2	FB604	A1	IC501	D4	L507	B3
C816	D1	C843	D1	D403	D2	FB110	C2	FB801	D1	IC502	D3	L508	C3
C818	D1	C846	D1	D404	C2	FB111	C2	FB802	D1	IC504	C2	L509	A3
C819	D1	CN101	D2	D405	C2	FB112	C1	FB803	D1	IC505	C2	L510	B3
C820	D1	CN102	D2	D406	C2	FB114	C1	FB804	D1	IC801	D1	L601	B1
C823	D1	CN103	B1	D409	D3	FB115	C1	FB805	D2	JK501	A3	L602	B1
C824	D1	CN105	C2	D410	D3	FB121	D2	IC101	C1	JK501A	A4	L603	B1
C825	D1	CN301	B2	D507	B3	FB122	D2	IC102	D1	JK601	A1	L604	B1

Q101	D2	Q802	D1	R128	B1	R3011	C2	R324	A2	R344	B2	R367	B2
Q102	D2	Q803	D1	R129	C1	R302	A2	R325	B1	R345	B2	R368	A2
Q104	B1	Q804	D1	R133	C1	R3021	B2	R326	A2	R346	B2	R369	B2
Q301	A2	Q805	D1	R134	C1	R3027	B2	R327	B2	R347	B2	R371	B2
Q302	B2	R101	D2	R152	B1	R303	B1	R328	A2	R348	B2	R372	B2
Q303	B2	R102	D1	R155	B1	R304	A2	R329	A2	R349	B2	R373	B2
Q307	B2	R103	D1	R156	B1	R311	B2	R330	B1	R350	B2	R374	A1
Q401	C2	R104	D2	R162	D2	R312	B2	R331	B1	R351	B2	R375	A2
Q402	C2	R105	D2	R163	D3	R313	A1	R332	B1	R352	B2	R376	A2
Q407	D3	R107	D2	R165	C2	R314	A1	R333	B1	R353	A2	R377	A2
Q408	D3	R108	D2	R174	C2	R315	A1	R334	B2	R354	A2	R378	A2
Q503	B3	R109	D2	R175	C2	R316	B1	R335	B1	R359	B2	R380	B1
Q504	A3	R115	D1	R3003	B2	R317	A1	R336	B2	R360	A2	R381	B2
Q505	A3	R120	C2	R3007	B2	R318	B1	R337	B1	R361	B2	R382	B1
Q506	A3	R121	C2	R3008	B2	R319	A1	R338	B2	R362	A2	R383	A2
Q507	C2	R122	B1	R3009	B2	R320	B1	R340	A1	R363	A2	R384	A2
Q508	C2	R123	B1	R301	B1	R322	A1	R342	A1	R364	A2	R385	B1
Q801	D1	R126	C1	R3010	B2	R323	B1	R343	B2	R366	B2	R401	C2

R402	C2	R501	D4	R542	A3	R561	C2	R607	B1	R836	D1	ZD303	B1
R403	C2	R502	D4	R543	A3	R562	C2	R610	A1	R837	D1	ZD304	A1
R404	C2	R503	D3	R544	A3	R563	C2	R801	D1	R838	D1	ZD305	A2
R405	C2	R504	D3	R545	B3	R564	C2	R802	D1	R839	D1	ZD401	D3
R406	C2	R505	C4	R546	A3	R565	C2	R806	D1	R840	D1	ZD605	A1
R407	C2	R506	C4	R548	B3	R566	C2	R807	D1	R841	D1	ZD606	A1
R408	C2	R509	B3	R549	B3	R567	C2	R813	D1	R845	D1	ZD607	A1
R409	C2	R510	B3	R550	C2	R568	D2	R814	D1	R846	D1	ZD608	A1
R410	D3	R511	B3	R551	C2	R569	D2	R817	D1	R847	D1		
R411	D3	R512	B3	R552	C2	R570	D2	R818	D1	R848	D1		
R412	D2	R513	C4	R553	C2	R589	C3	R819	D1	RA101	C1		
R413	C2	R514	C4	R554	C2	R590	C3	R820	D1	RB101	D2		
R414	C2	R517	C4	R555	C2	R595	B3	R821	D1	RB102	C3		
R415	C2	R518	C3	R556	B2	R601	B1	R823	D1	RB502	C2		
R416	C2	R537	A3	R557	C2	R602	B1	R826	D1	XL101	D1		
R442	B2	R538	A3	R558	C2	R603	B1	R828	D2	ZD102	D3		
R447	D3	R540	C2	R559	C2	R604	B1	R830	D2	ZD104	D2		
R448	D3	R541	A3	R560	C2	R605	B1	R831	D2	ZD105	D2		



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PCB LAYOUT - BOTTOM VIEW

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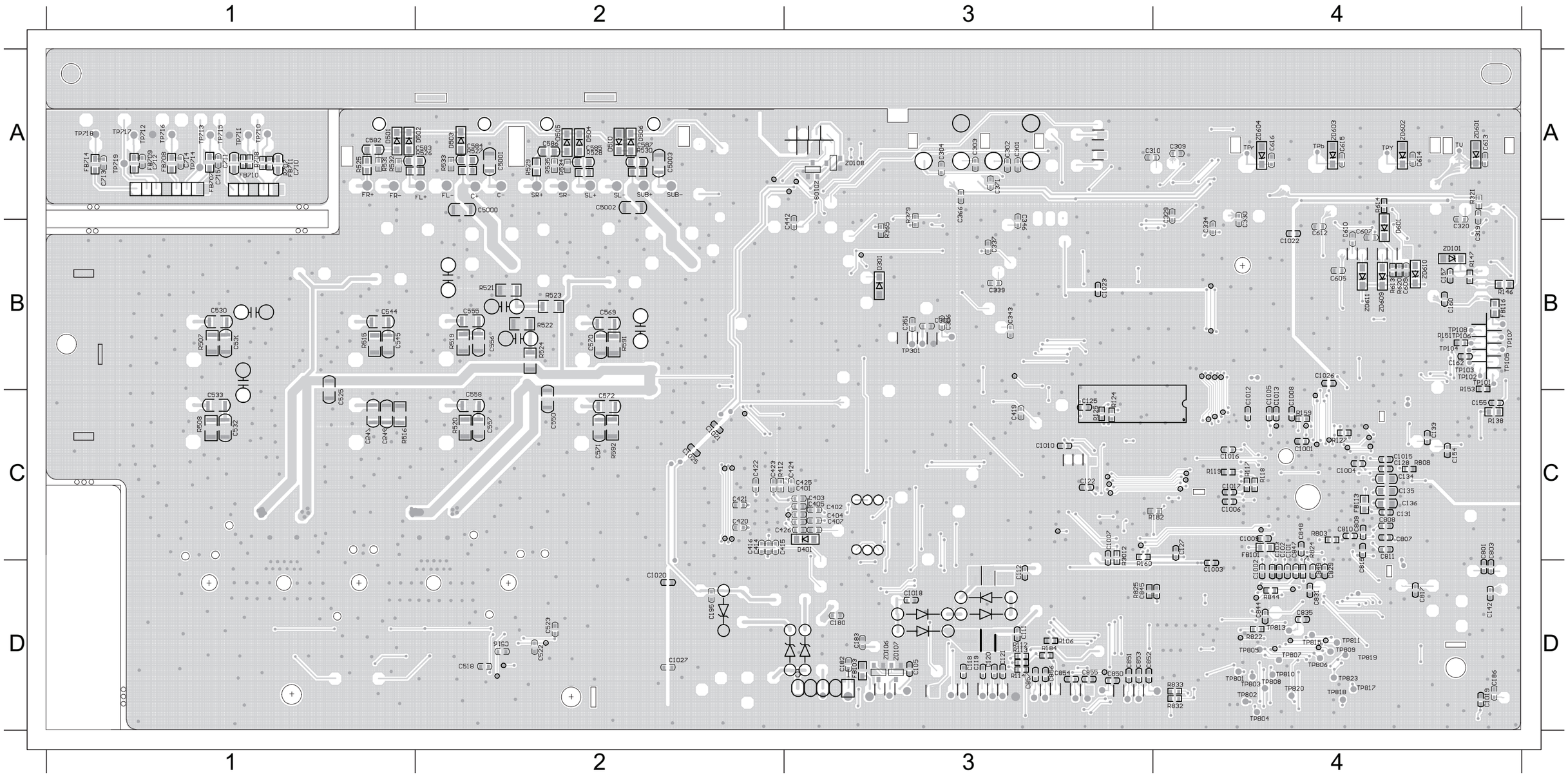
C1002	D4	C1012	B4	C1022	B4	C119	D3	C135	C4	C186	D4	C329	A4	C402	C3	C421	C2	C516	D2	C545	B1	C571	C2	C609	B4	C810	C4	C848	C4	D301	B3	FB113	A4	R125	C3	R3012	C3	R521	B2	R531	A1	R824	C4	ZD603	A4
C1003	D4	C1013	B4	C1023	B3	C120	D3	C136	C4	C195	D2	C330	A4	C403	C3	C422	C2	C518	D2	C546	C1	C572	C2	C612	B4	C811	C4	C849	C4	D401	C3	FB116	B4	R127	C4	R321	A4	R522	B2	R532	A1	R825	C3	ZD604	A4
C1004	C4	C1015	C4	C1025	C2	C121	D3	C142	D4	C301	A3	C334	A4	C404	C3	C423	C2	C522	D2	C547	C1	C582	A1	C613	A4	C815	C4	C850	D3	D501	A1	R106	D3	R146	A4	R365	B3	R523	B2	R533	A2	R832	D4		
C1005	B4	C1016	C4	C1026	B4	C122	C3	C157	B4	C302	A3	C337	B3	C405	C3	C424	C3	C523	D2	C550	C2	C583	A2	C614	A4	C817	D4	C851	D3	D502	A2	R112	D3	R147	A4	R379	A3	R524	B2	R534	A2	R833	D4		
C1006	C4	C1017	C4	C1027	D2	C125	C3	C160	B4	C303	A3	C339	B3	C407	C3	C425	C3	C525	C1	C555	B2	C584	A2	C615	A4	C829	D4	C852	D3	D503	A2	R113	D3	R151	B4	R507	B1	R525	A1	R535	A2	R844	D4		
C1007	C3	C1018	D3	C103	C4	C127	C4	C162	B4	C304	A3	C346	A3	C414	C2	C426	C2	C530	B1	C556	B2	C585	A2	C616	A4	C831	D4	C853	D3	D504	A2	R114	D3	R153	B4	R508	C1	R526	A2	R591	B2	ZD101	B4		
C1008	C4	C1019	D4	C105	D3	C128	C4	C180	D3	C305	B3	C351	B3	C415	C2	C5000	A2	C531	B1	C557	C2	C586	A2	C803	C4	C835	D4	C854	D3	D505	A2	R117	C4	R159	C4	R515	B1	R527	A2	R592	C2	ZD106	D3		
C1009	C4	C102	C4	C111	D3	C131	C4	C182	D3	C306	B3	C366	A3	C416	C2	C5001	A2	C532	C1	C558	C2	C587	A2	C807	C4	C844	D4	C855	D3	D506	A2	R118	C4	R160	D3	R516	C1	R528	A2	R803	C4	ZD107	D3		
C101	C4	C1020	D2	C112	D3	C133	C4	C183	D3	C319	B4	C371	A3	C419	C3	C5002	A2	C533	C1	C569	B2	C605	B4	C808	C4	C845	D3	C856	D3	FB101	C4	R119	C4	R182	C3	R519	B2	R529	A2	R808	C4	ZD601	A4		



POWER BOARD

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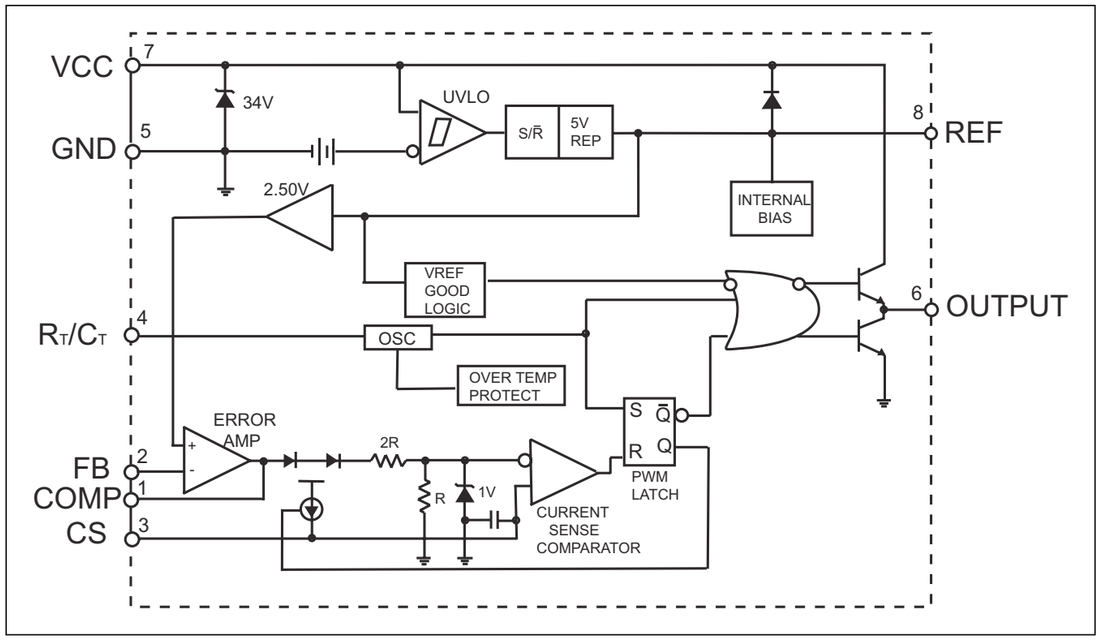

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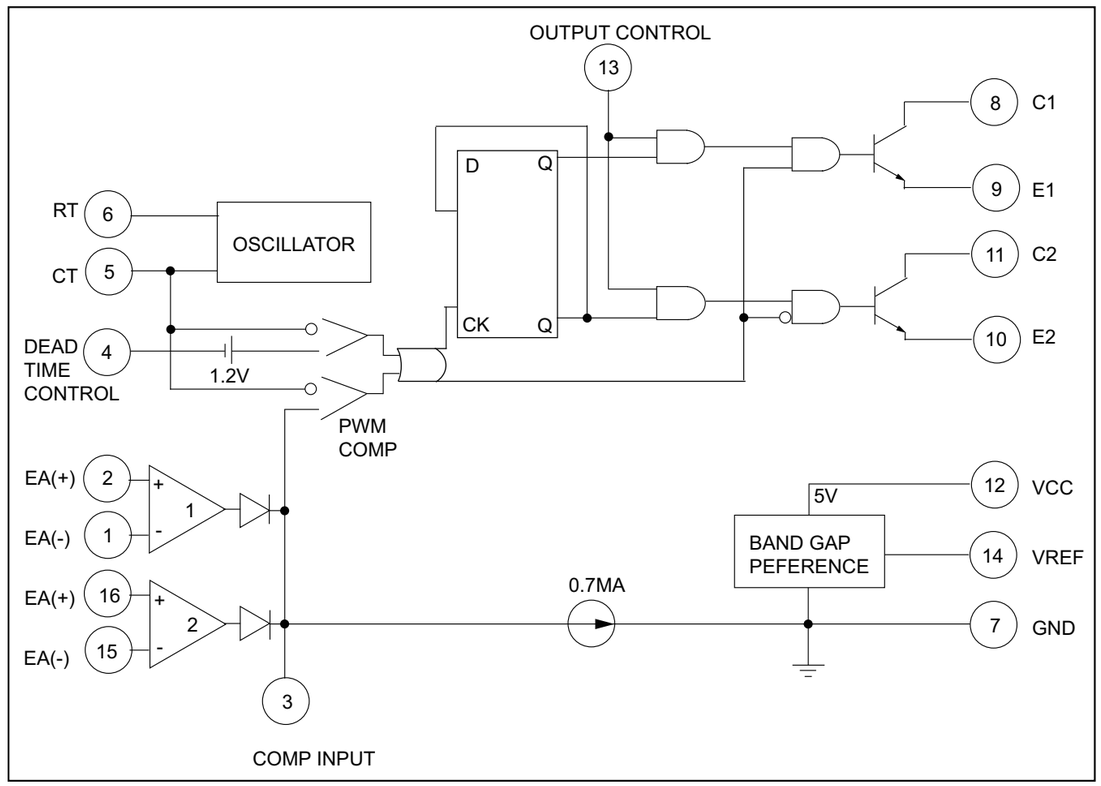

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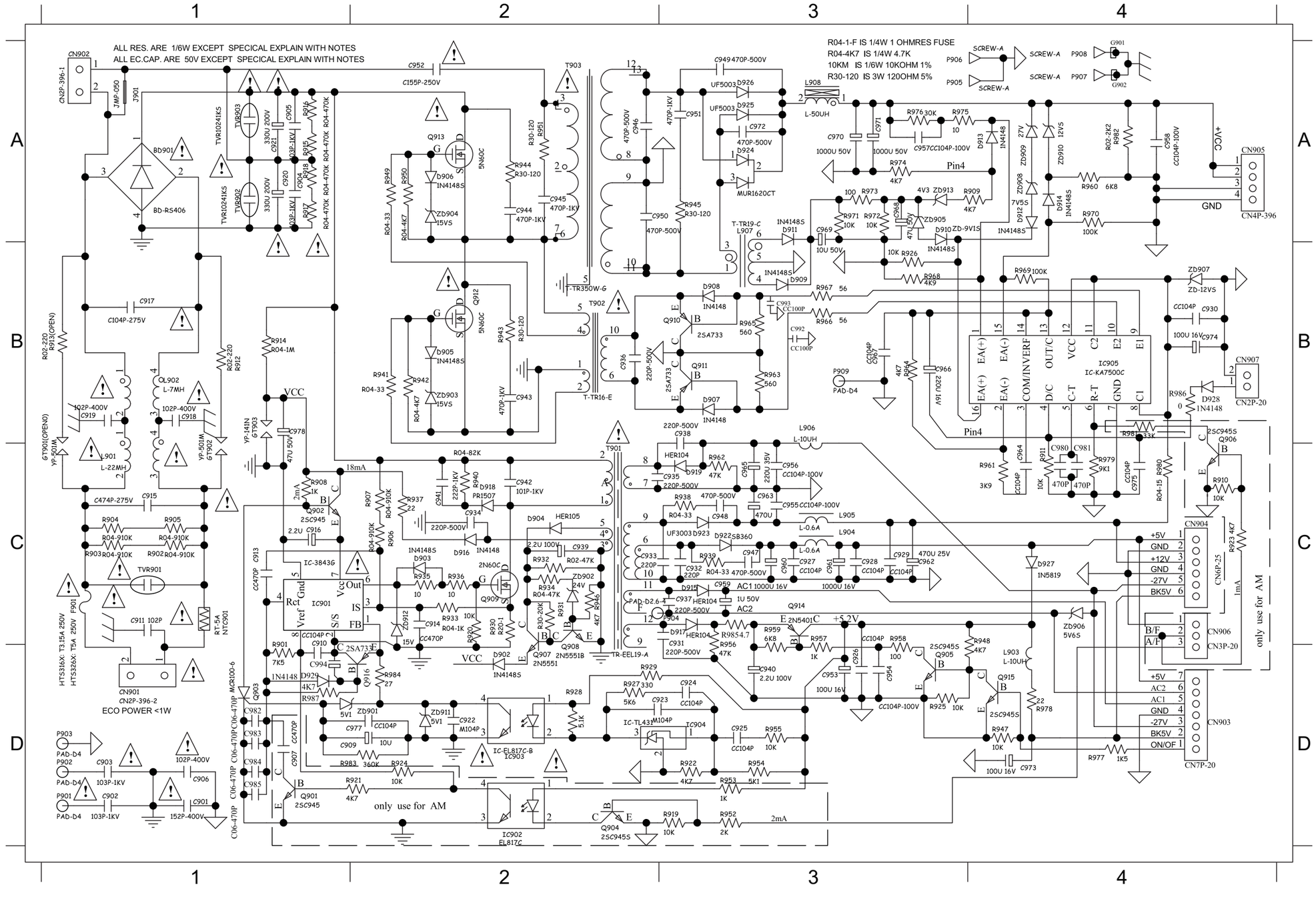
CIRCUIT DIAGRAM

BD901	A1	C915	C1	C926	D3	C937	C3	C948	C3	C960	C3	C972	A3	C985	D1	D905	B2	D917	C3	GT902	B2	L907	A3	Q912	B2	R907	C2	R922	D3	R935	C2	R946	C2	R959	C3	R970	A4	R982	A4	ZD903	B2
C901	D1	C916	C1	C927	C3	C938	B3	C949	A3	C961	C3	C973	D4	C992	B3	D906	A2	D918	C2	IC901	C1	L908	A3	Q913	A2	R908	C1	R925	D3	R936	C2	R947	D4	R960	A4	R971	A3	R983	D1	ZD904	A2
C902	D1	C917	B1	C928	C3	C939	C2	C950	A2	C962	C3	C974	B4	C993	B3	D907	B3	D919	C3	IC903	D2	NTC901	C1	Q914	C3	R909	A3	R926	B3	R937	C2	R948	C4	R961	C4	R972	A3	R984	D2	ZD905	A3
C903	D1	C918	B1	C929	C3	C940	D3	C951	A3	C963	C3	C975	C4	C994	D1	D908	B3	D922	C3	IC904	D3	Q902	C1	Q915	D4	R911	C4	R927	D2	R938	C3	R949	A2	R962	C3	R973	A3	R985	C3	ZD906	C4
C904	A1	C919	B1	C930	B4	C941	C2	C952	A2	C964	C4	C977	D1	CN901	D1	D909	B3	D923	C3	IC905	C4	Q903	D1	Q916	D2	R912	B1	R928	D2	R939	C3	R950	A2	R963	B3	R974	A3	R987	D1	ZD907	B4
C905	A1	C920	A1	C931	C3	C942	C2	C954	D3	C965	C3	C978	B1	CN903	D4	D910	A3	D924	A3	L901	C1	Q905	D3	R901	C1	R914	B1	R929	D2	R940	C2	R951	A2	R964	B3	R975	A3	T901	C2	ZD908	A4
C906	D1	C921	A1	C932	C3	C943	B2	C955	C3	C966	B3	C980	C4	CN904	C4	D911	A3	D927	C4	L902	B1	Q907	D2	R902	C1	R915	A1	R930	C2	R941	B2	R954	D3	R965	B3	R976	A3	T902	B2	ZD909	A4
C909	D1	C922	D2	C933	C2	C944	A2	C956	C3	C967	B3	C981	C4	CN905	A4	D912	A4	D929	D1	L903	D4	Q908	D2	R903	C1	R916	A1	R931	C2	R942	B2	R955	D3	R966	B3	R977	D4	T903	A2	ZD910	A4
C910	C1	C923	D2	C934	C2	C945	C1	C957	A3	C968	A3	C982	D1	D902	D2	D914	A4	F901	C1	L904	C3	Q909	D2	R904	C1	R917	A1	R932	C2	R943	B2	R956	C3	R967	B3	R978	D4	TVR901	C1	ZD911	D2
C913	C1	C924	D3	C935	C3	C946	A2	C958	A4	C969	A3	C983	D1	D903	B2	D915	C3	G901	A4	L905	C3	Q910	B3	R905	C1	R918	A1	R933	C2	R944	A2	R957	C3	R968	B3	R979	C4	ZD901	D2	ZD913	A3
C914	C2	C925	D3	C936	B2	C947	C3	C959	C3	C971	A3	C984	D1	D904	B2	D916	B2	G902	A4	L906	B3	Q911	B3	R906	C2	R920	C2	R934	C2	R945	A3	R958	C3	R969	B4	R980	C4	ZD902	C2		



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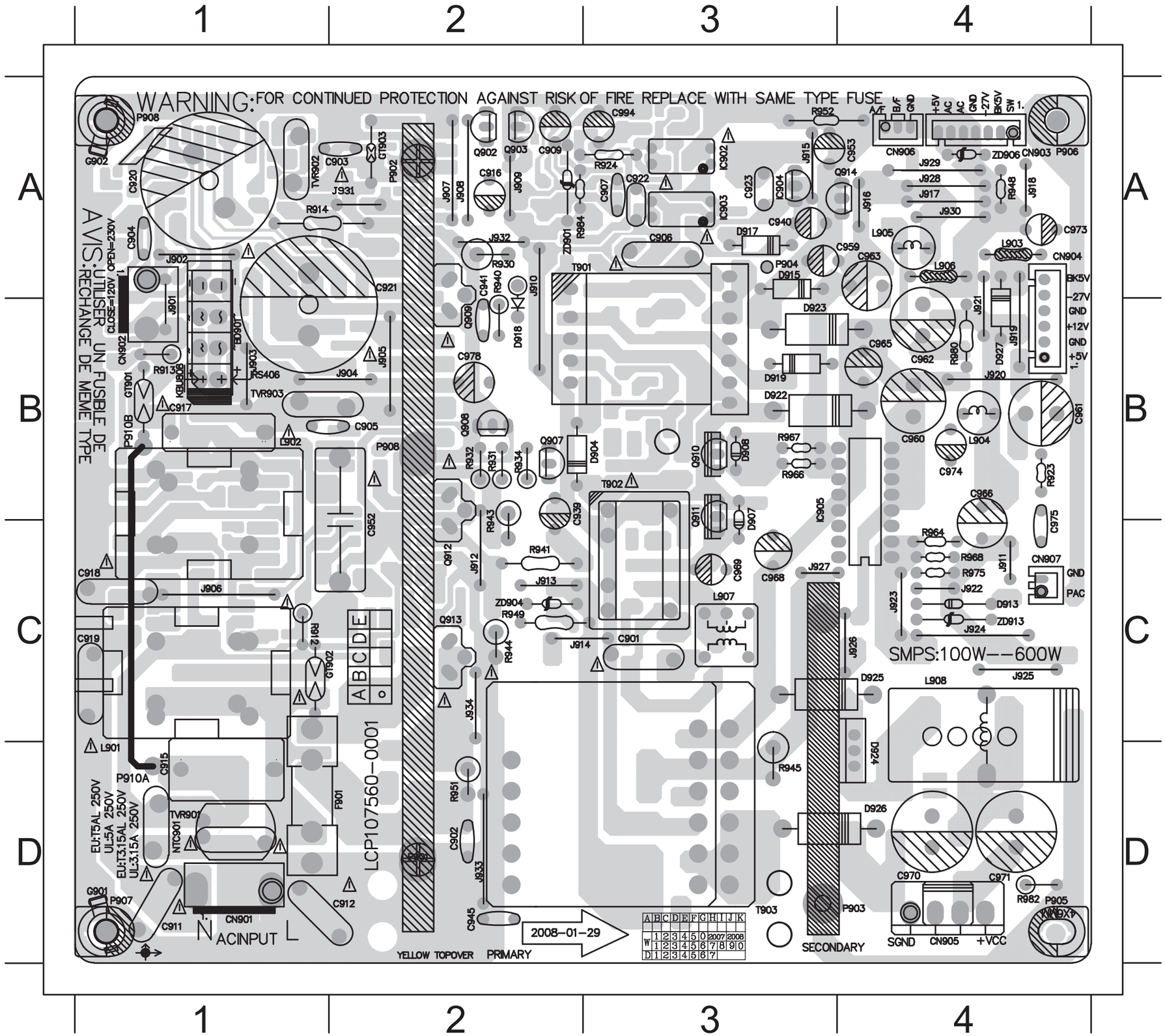
PCB LAYOUT - TOP VIEW



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C902	D2	D923	B3	Q902	A2		
C903	A2	D924	D4	Q903	A2		
C904	A1	D927	B4	Q907	B2		
C905	B2	F901	D2	Q908	B2		
C906	A3	GT902	C2	Q909	B2		
C909	A2	IC903	A3	Q910	B3		
C915	D1	IC904	A3	Q911	B3		
C916	A2	IC905	B3	Q912	C2		
C917	B1	J902	A1	Q913	C2		
C918	C1	J903	B1	Q914	A4		
C919	C1	J904	B2	R912	C1		
C920	A1	J905	B2	R914	A1		
C921	A2	J906	C2	R930	A2		
C922	A3	J907	A2	R931	B2		
C923	A3	J908	A2	R932	B2		
C939	B2	J909	A2	R934	B2		
C940	A3	J910	A2	R940	A2		
C941	A2	J911	C4	R941	C2		
C945	D2	J912	C2	R943	C2		
C952	C2	J913	C2	R944	C2		
C959	A4	J914	C2	R945	D3		
C960	B4	J915	A3	R948	A4		
C961	B4	J916	A4	R949	C2		
C962	B4	J917	A4	R951	D2		
C963	B4	J918	A4	R964	C4		
C965	B4	J920	B4	R966	B3		
C966	B4	J921	B4	R967	B3		
C968	C3	J922	C4	R968	C4		
C969	C3	J923	C4	R975	C4		
C971	D4	J924	C4	R980	B4		
C973	A4	J925	C4	R982	D4		
C974	B4	J926	C4	R984	A2		
C975	B2	J927	C3	T901	A2		
C978	B2	J929	A4	T902	B3		
C994	A3	J930	A4	T903	D3		
CN901	D1	J931	A2	TVR901	D1		
CN903	A4	J932	A2	TVR902	A1		
CN904	A4	J933	D2	TVR903	B1		
CN905	D4	J934	D2	ZD901	A2		
CN907	C4	L901	D1	ZD904	C2		
D904	B3	L902	B1	ZD906	A4		
D907	B3	L903	A4	ZD911	A2		
D908	B3	L904	B4	ZD913	C4		
D915	A3	L905	A4				
D917	A3	L906	A4				
D918	B2	L907	C3				

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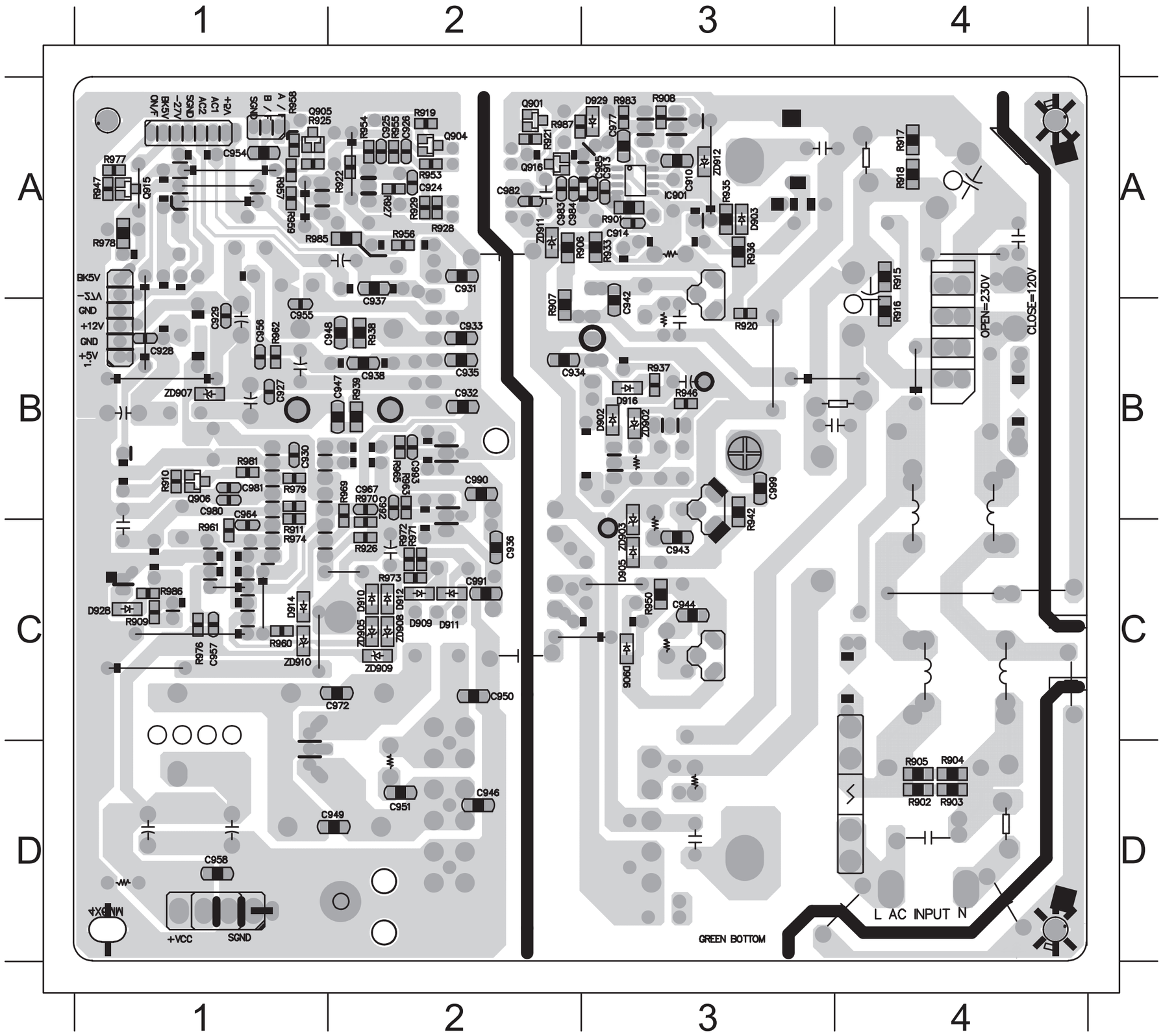
PCB LAYOUT - BOTTOM VIEW



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C914	A3	D902	B3	R939	B2
C924	A2	D903	A3	R942	B3
C925	A2	D905	C3	R946	B3
C926	A2	D906	C3	R947	A1
C927	B1	D909	C2	R950	C3
C928	B1	D910	C2	R954	A2
C929	B1	D911	C2	R955	A2
C930	B1	D912	C2	R956	A2
C931	A2	D914	C1	R957	A1
C932	B2	D916	B3	R958	A1
C933	B2	D928	C1	R959	A1
C934	B2	D929	A3	R960	C1
C935	B2	IC901	A3	R961	C1
C936	C2	Q905	A1	R962	B1
C937	A2	Q915	A1	R963	B2
C938	B2	Q916	A2	R965	B2
C942	A3	R901	A3	R969	B2
C943	C3	R902	D4	R970	B2
C944	C3	R903	D4	R971	C2
C946	D2	R904	D4	R972	C2
C947	B2	R905	D4	R973	C2
C948	B1	R906	A2	R974	C1
C949	D1	R907	A2	R976	C1
C950	C2	R908	A3	R977	A1
C951	D3	R909	C1	R978	A1
C954	A1	R911	C1	R979	B1
C955	B1	R915	A4	R983	A3
C956	B1	R916	B4	R985	A1
C957	C1	R917	A4	R986	C1
C958	D1	R918	A4	R987	A2
C964	B1	R920	B3	ZD902	B3
C967	B2	R922	A2	ZD903	C3
C972	C1	R925	A1	ZD905	C2
C977	A3	R926	C2	ZD907	B1
C980	B1	R927	A2	ZD908	C2
C981	B1	R928	A2	ZD909	C2
C982	A2	R929	A2	ZD910	C1
C983	A2	R933	A3		
C984	A2	R935	A3		
C985	A3	R936	A3		

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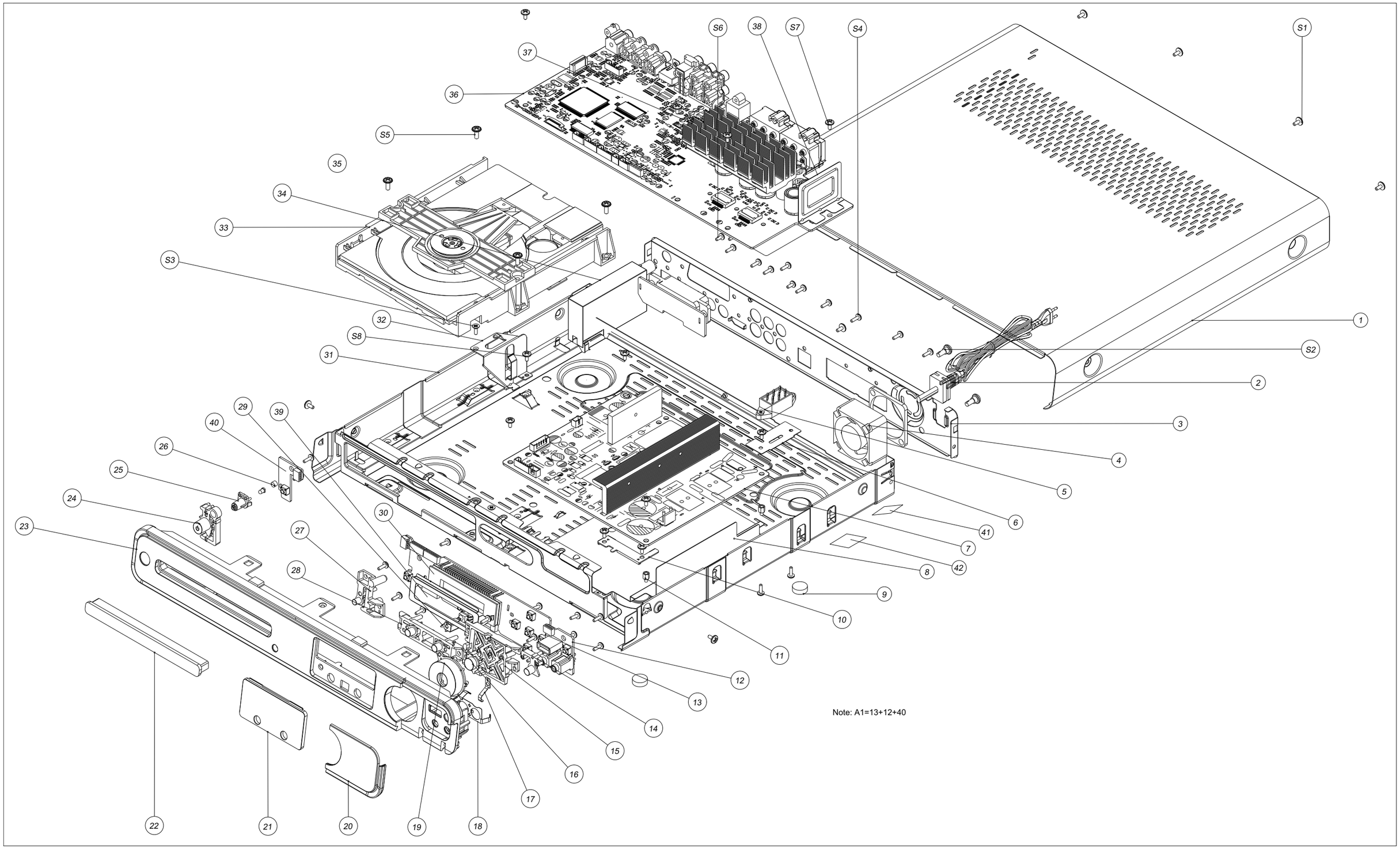
MECHANICAL EXPLODED VIEW



Note: A1=13+12+40

MECHANICAL PART LIST

Loc.	12 No.	Description
MAIN		
1	996510012462	TOP COVER SECC
2	996510010082	LINE CORD 2P 1800mm SAA /79
3	996510015698	REAR COVER SECC
4	996510012461	FAN DC
6	996510012455	PVC SHEET
7	996510015699	POWER PCB ASSY
8	996510011276	POWER PCB PLATE PVC
9	996510011288	RUBBER FOOT
14	996510012460	MIC-LEVEL BUTTON
15	996510011285	FUCTION BUTTON BASE ABS
16	996510011284	SOURCE BUTTON ABS
19	996510011282	FUNCTION BUTTON ABS
20	996510011287	CONNECTORS COVER
21	996510011286	VFD LENS PMMA
22	996510012458	DVD DOOR ABS
23	996510012459	FRONT PANEL
24	996510011280	POWER BUTTON ABS
25	996510010840	STANDBY LENS
27	996510011281	EJECT BUTTON ABS
28	996510011283	VOLUME BUTTON ABS
31	996510013766	BOTTOM COVER SECC
33	996510010819	DVD LOADER
34	996510010825	TUNER
36	996510015261	MAIN+SCART PCB
39	996510012457	VFD FILTER PC
41	996510012456	PVC SHEET_SAFETY
42	996510011277	PVC SHEET-SMALL
A1	996510015262	VFD+JACK+STANDBY PCB ASSY
FM	996510008251	FM ANT
RC	996510012491	REMOTE CONTROL
V1	996510000673	FFC CABLE 10P 100MM P1.25MM
V1	996510007429	FFCCBLE 10P100mmUL20798 P=1
V3	996510007319	FFC CABLE 24P 180MM
V3	996510013767	FFC CABLE 24P
VIDEO	996500013058	RCA CABLE 2P 1.2M

SPEAKER		
RFC	996510001599	RUBBER FOOT -CENTER SPK
RFRF	996510001601	RUBBER FOOT - REAR SPK
RFS	996510010854	RUBBER FOOT -SUB
SPKC	996510012465	SPEAKER BOX -CENTER
SPKFL	996510012466	SPEAKER BOX - FRONT LEFT
SPKFR	996510012467	SPEAKER BOX - FRONT RIGHT
SPKRL	996510012468	SPEAKER BOX - REAR LEFT
SPKRR	996510012469	SPEAKER BOX - REAR RIGHT
SUBW	996510012470	SUBWOOFER

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REVISION LIST

Version 1.0
*Initial release

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