

**Service
Service
Service**



Service Manual



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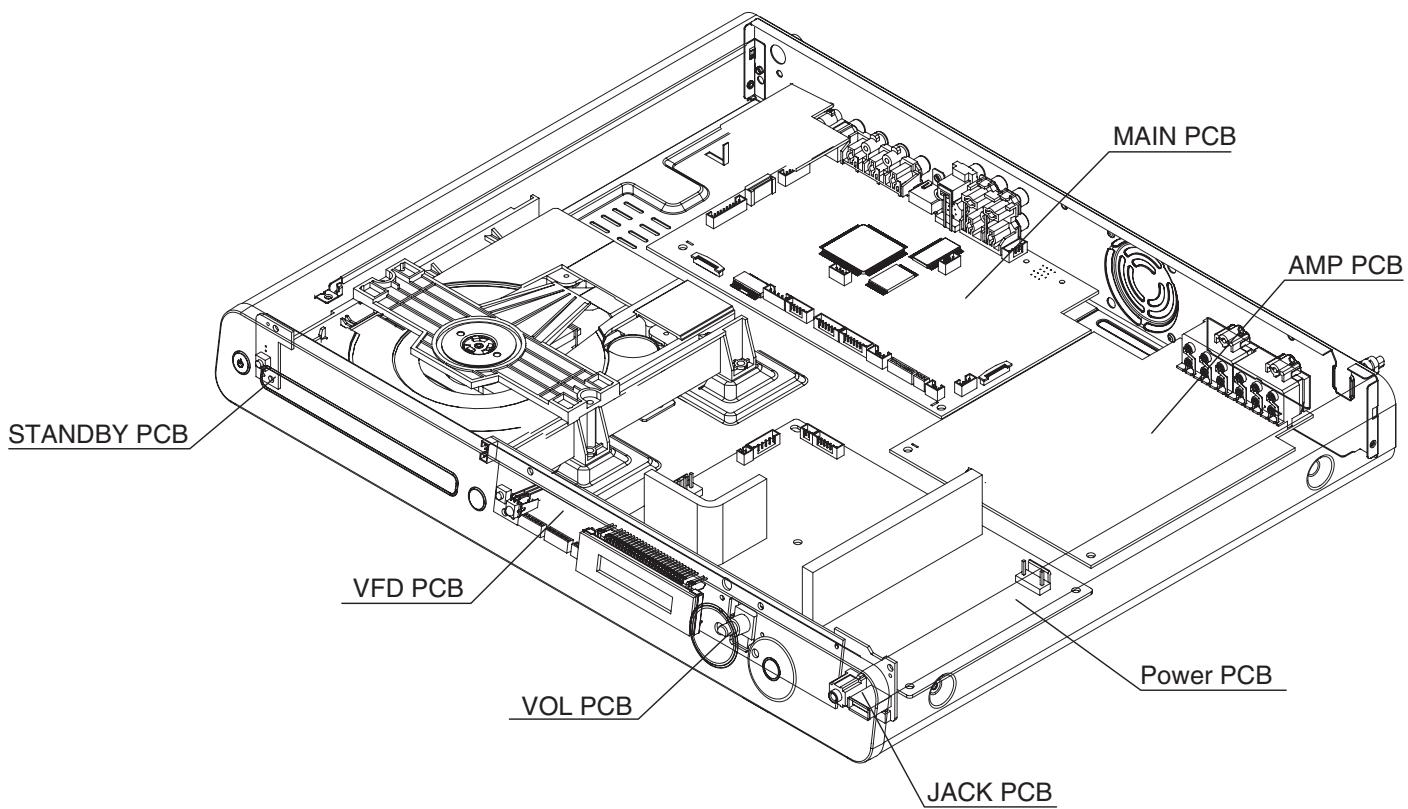
(GB) 3139 785 34240

Version 1.0



PHILIPS

LOCATION OF PCB BOARDS



VERSION VARIATION:

Features	Type/Versions	HTS3366
	/51	
Main(Power Output-600W)	X	
S-video out	X	
Power Voltage (120V/230V)	X	
WMA	X	

SERVICE SCENARIO MATRIX:

Boards in used	Type/Versions	HTS3366
	/51	
Main Board	Bd	
Power Board	Bd	
AMP Board	Bd	
VFD+JACK+VOL+STANDBY Board	Bd	

* Bd= Board Level Repair

SPECIFICATIONS

Amplifier

Total output power	
Home Theatre mode.....	600W
Frequency response.....	180 Hz~18 kHz / ±3dB
Signal-to-noise ratio.....	> 60 dB (A-weighted)
Input sensitivity	
AUX	400 mV
MP3 LINK	400 mV

Disc

Laser Type.....	Semiconductor
Disc diameter.....	12cm / 8cm
Video decoding.....	MPEG1/ MPEG2 / DivX / DivX Ultra
Video DAC.....	12 bits
Signal system.....	PAL / NTSC
Video S/N	56 dB
Audio DAC.....	24 bits / 96 kHz
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, DTS	IEC60958, IEC61937

Radio

Tuning range	FM 87.5-108 MHz (50 kHz),
26 dB quieting sensitivity	FM 22 dBf
IF rejection ratio.....	FM 60 dB
Signal-to-noise ratio.....	FM 50 dB
Harmonic distortion.....	FM 3%
Frequency response.....	FM 180 Hz~10 kHz / ±6dB
Stereo separation	FM 26 dB (1 kHz)
Stereo Threshold.....	FM 29 dB

USB

Compatibility	Hi-Speed USB (2.0)
Class support.....	UMS (USB Mass Storage Class) MTP (Media Transfer Protocol)

Main unit

Power supply	110-127 V / 220-240 V ~50-60 Hz switchable
Power consumption	100W
Dimensions (WxHxD)	435 x 58 x 360 (mm)
Weight	3.7 kg

Speakers

System.....	full range satellite
Speaker impedance.....	6 ohm (centre), 3 ohm (Front/Rear)
Speaker drivers:	
Centre.....	2x 2.5" woofer + 1 x 2" tweeter
Front/Rear	3" full range
Frequency response.....	150 Hz - 20 kHz
Dimensions (WxHxD):	
Centre.....	440 x 105 x 75 (mm)
Front.....	103 x 203 x 71 (mm)
Rear.....	262 x 1199 x 264 (mm)
Weight:	
Centre.....	1.39 kg
Front.....	0.54 kg
Rear.....	3.53 kg

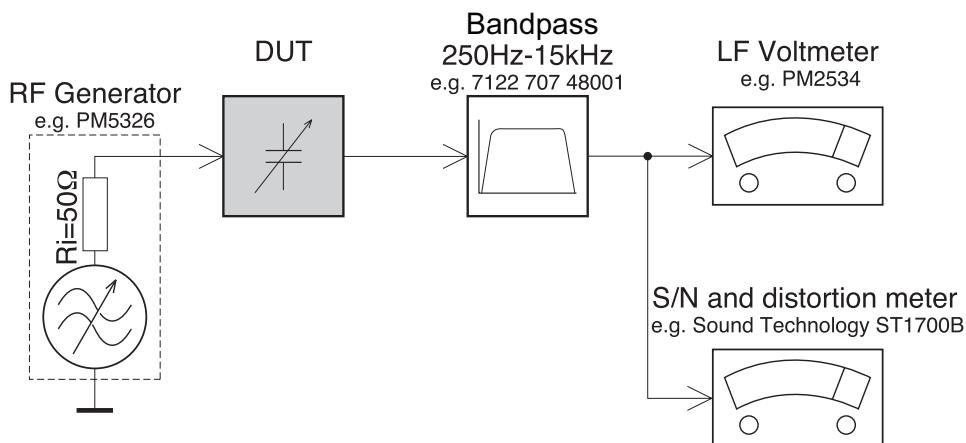
Subwoofer

Impedance.....	6 ohm
Speaker drivers	165 mm (6.5") woofer
Frequency response.....	40 Hz - 150 Hz
Dimensions (WxHxD)	163 x 363 x 369 (mm)
Weight	5.08 kg

Specifications subject to change without prior notice.

MEASUREMENT SETUP

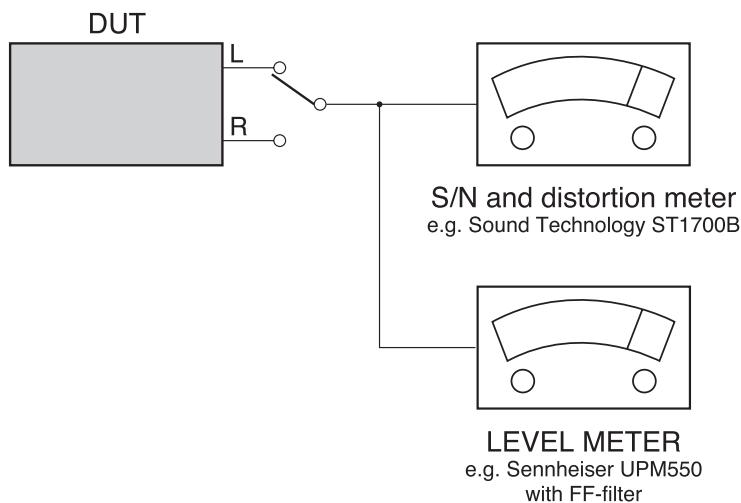
Tuner FM



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

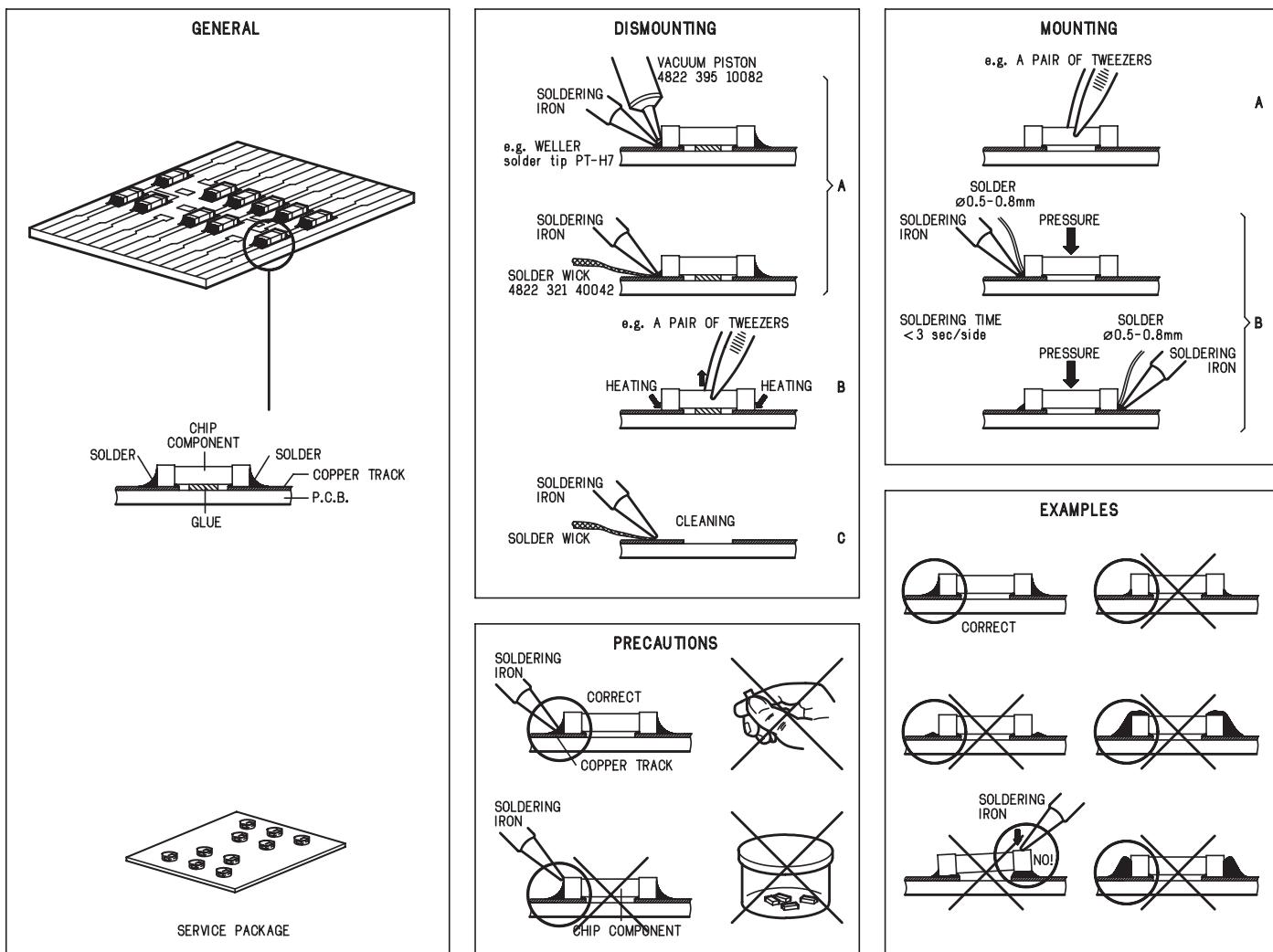
Service Tools:

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





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.



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.



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 ICs und viele andere Halbleiter sind empfindlich gegenüber elektrostatischen Entladungen (ESD).

Unsorgfältige Behandlung im Reparaturfall kann 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.



AVVERTIMENTO

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

La loro longevità potrebbe essere fortemente ridotta 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.



ESD PROTECTION EQUIPMENT

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



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 Δ .



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 symbool Δ .



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

Less composants de sécurité sont marqués Δ .



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 Δ markiert.



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.

Componenti di sicurezza sono marcati con Δ .



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 suojalukiukseen ohittaa olet alttiina näkymättömälle laserisäteilylle. Älä katso säteeseen!

DK Advarse !

Usynlig laserstrålning ved åbning når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.



"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.

IDENTIFICATION:

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 unused 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.

System , Region Code , etc. Setting Procedure

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 sysystem reset

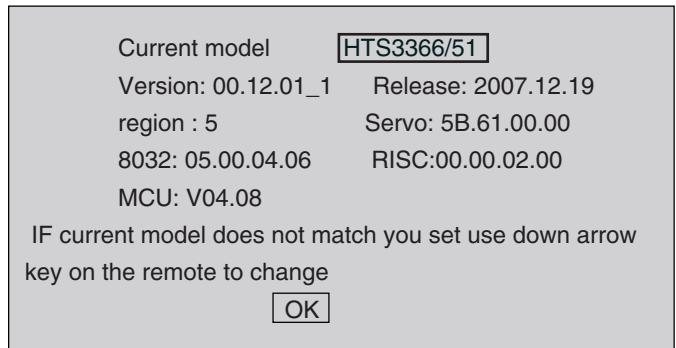
2) Region Code Change

- a) In open model, press "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 disc
- b) open the CD Door, then insert CD-R program disc
- c) close the CD Door
- d) VFD will show:

"Loading"

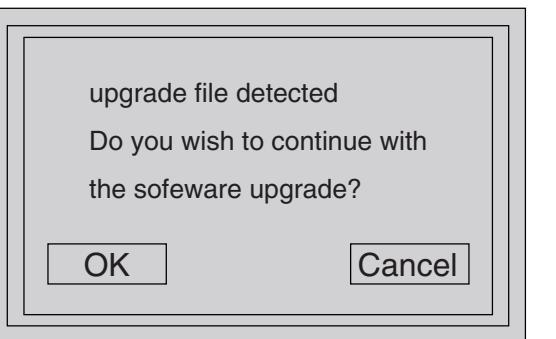
"Erase" -- erase the flash memory

"Writing" about 1 minute

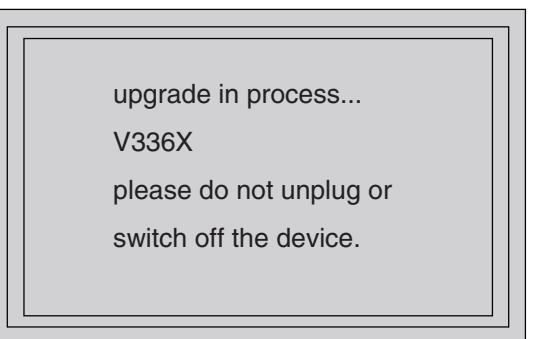
"done"

* the system will switch off and on again automatically.

- e) OSD will show:

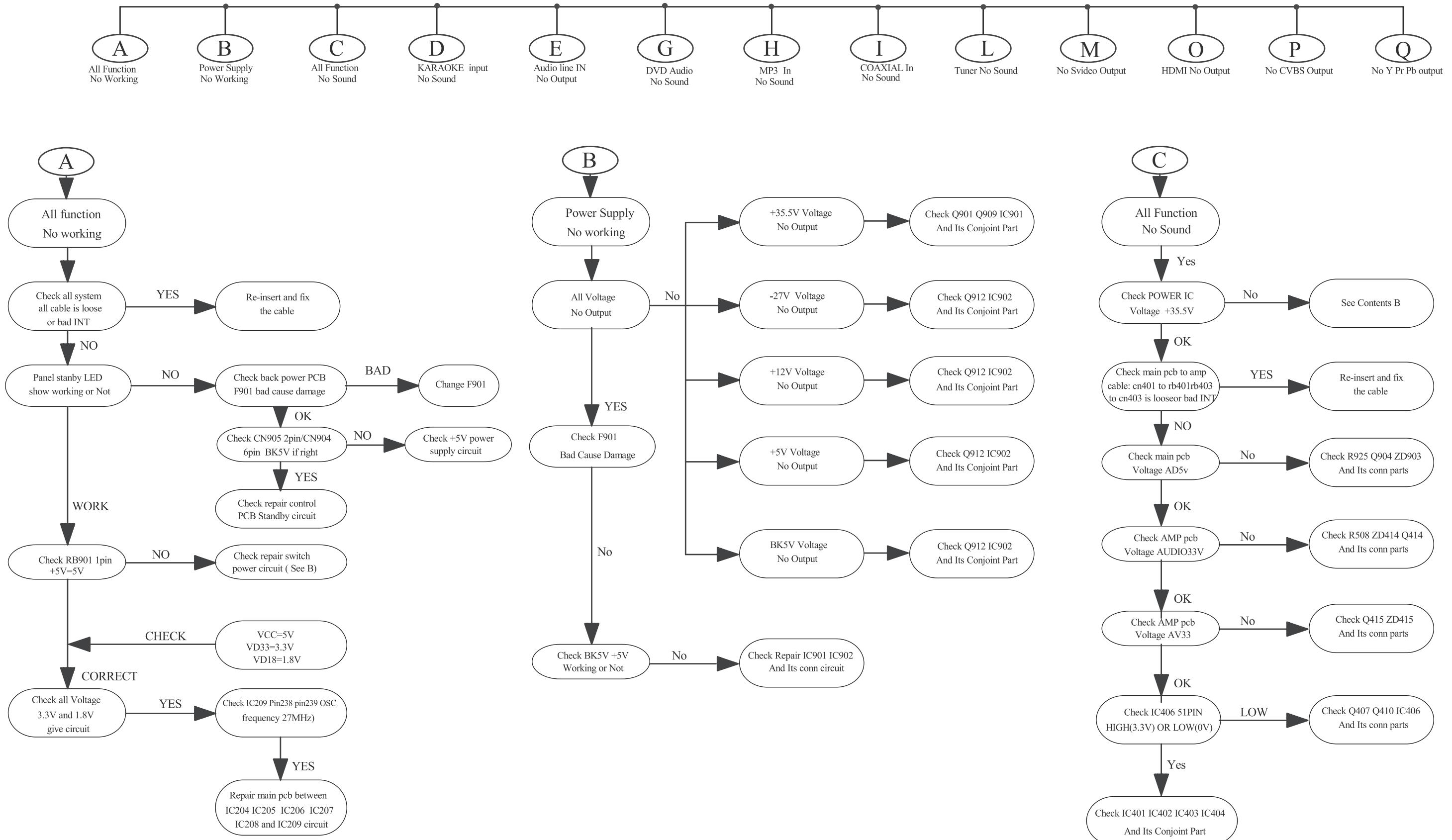


- f) select "OK", OSD will show:



CAUTION!

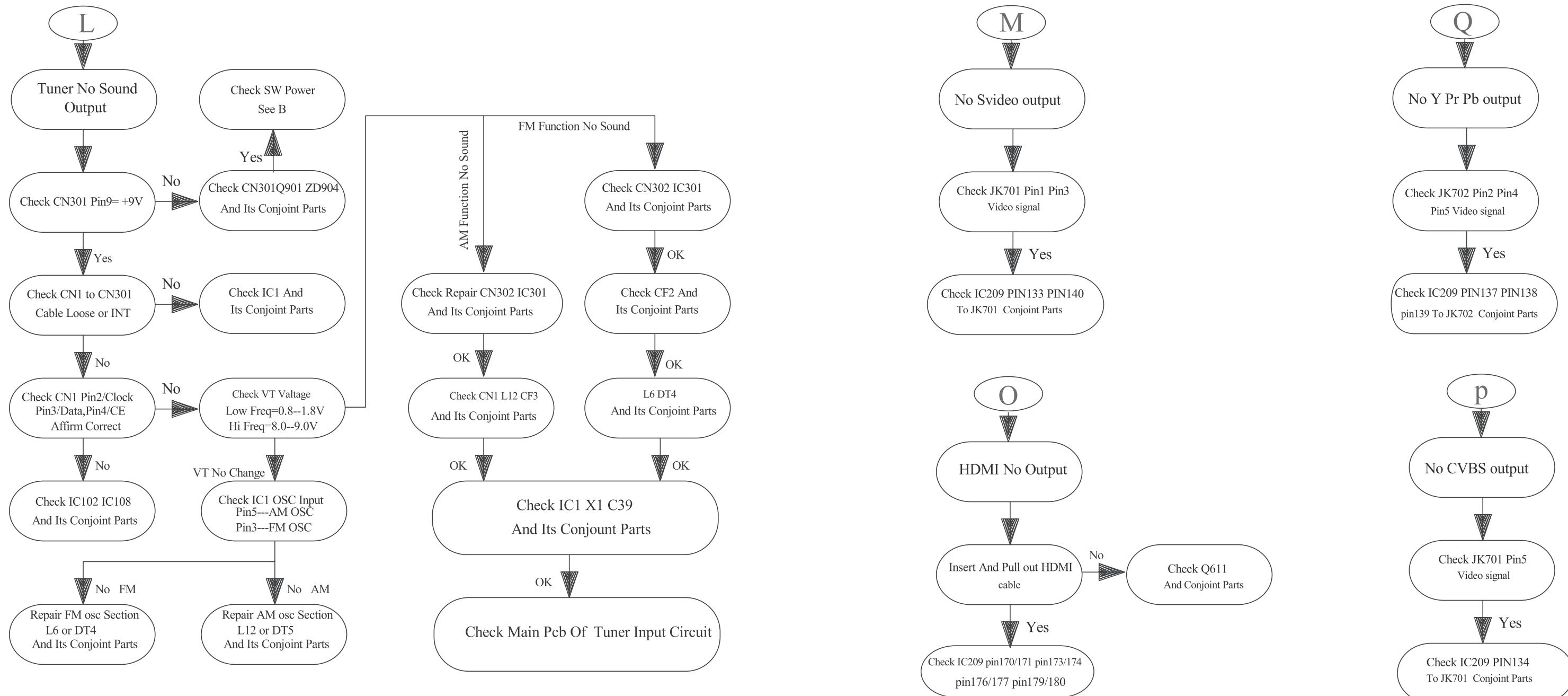
This information is confidential and may not be distributed. Only a qualified service person should reprogram the Region Code.

REPAIR INSTRUCTIONS (part one)**MAIN UNIT REPAIR CHART 1/3**

REPAIR INSTRUCTIONS (part two)**MAIN UNIT REPAIR CHART 2/3**

REPAIR INSTRUCTIONS (part three)

MAIN UNIT REPAIR CHART 3/3



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 right 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.

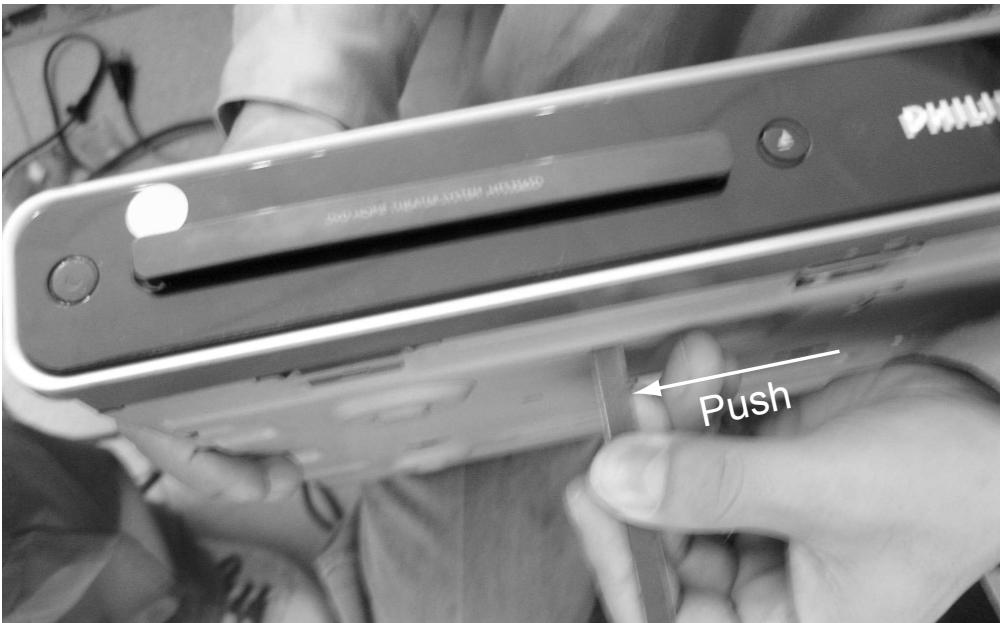


Figure 1

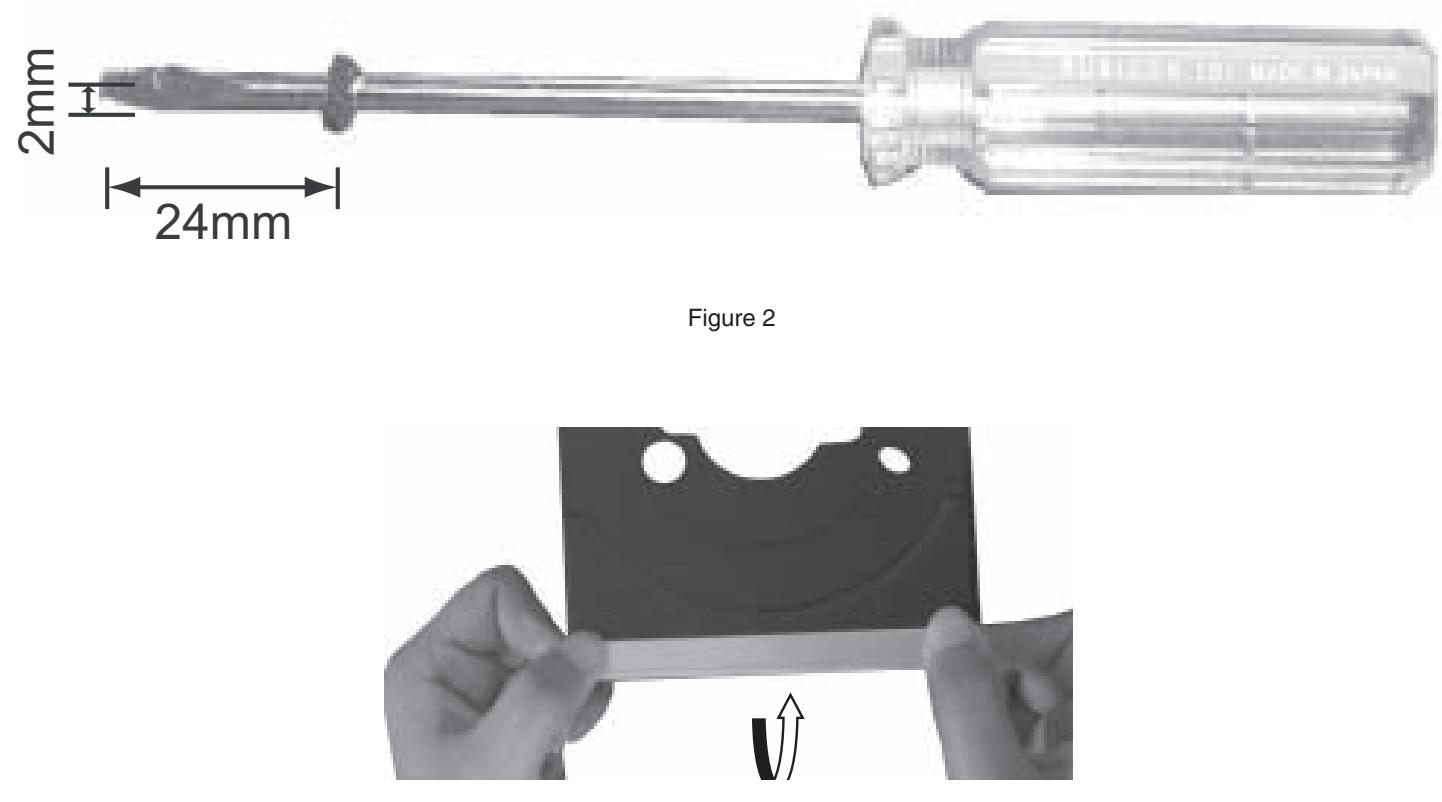


Figure 2

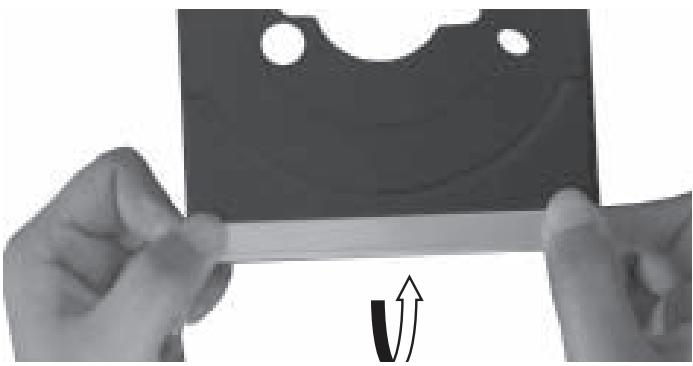


Figure 3

- 3) Loosen 7 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
 - 5 screws "B" at the back panel as shown in figure 5
- 4) Loosen 1 screw "C" each left & right side on the front panel after move the top panel as shown in figure 6.
- 5) Loosen 6 screws "D" at bracket of front panel as shown in figure 7



Figure 4

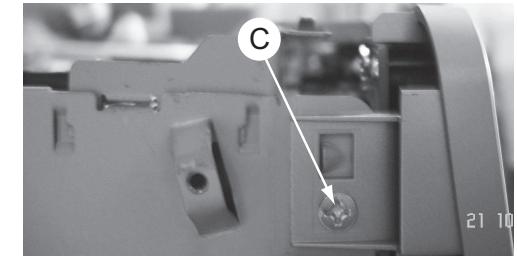


Figure 6

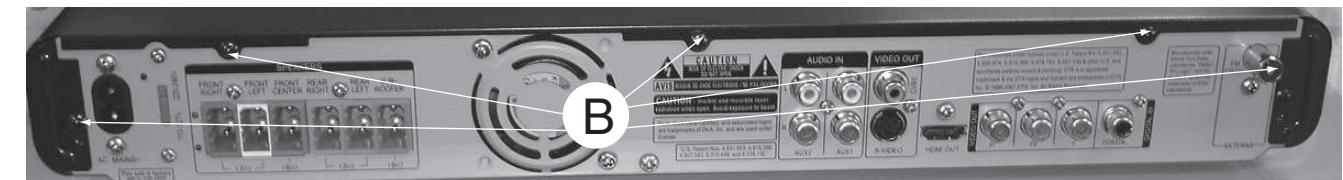


Figure 6

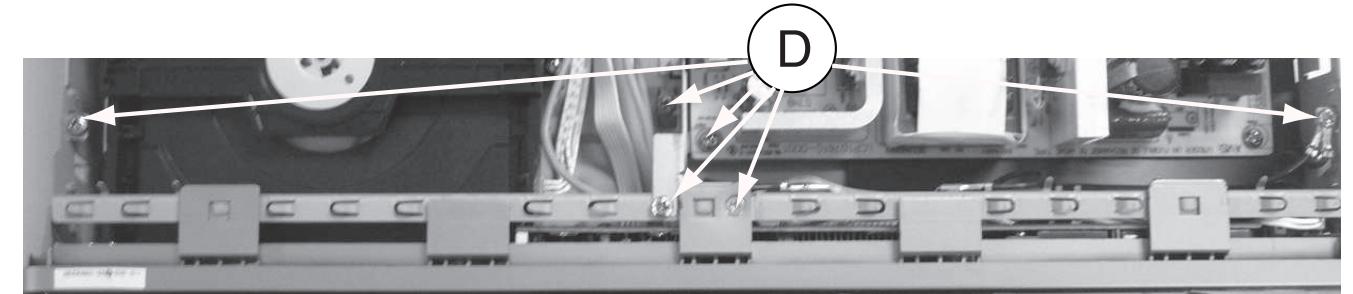


Figure 7

Dismantling of the AMP Board

- 1) Loosen 4 screws to remove the AMP Board.
- 2 screws "E" on the top of AMP board as shown in figure 8
- 2 screws "F" at the back panel as shown in figure 9

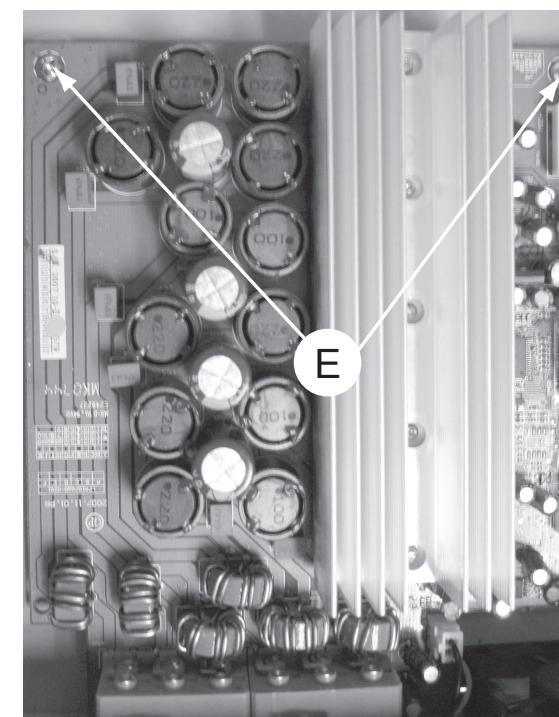


Figure 8

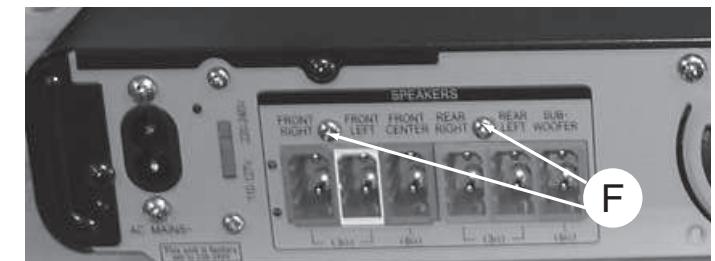


Figure 9

Dismantling of the Main Board

- 1) Loosen 2 screws "G" on the top of main board as shown in figure10
- 2) Loosen 7 screws "H" at the back panel as shown in figure 11

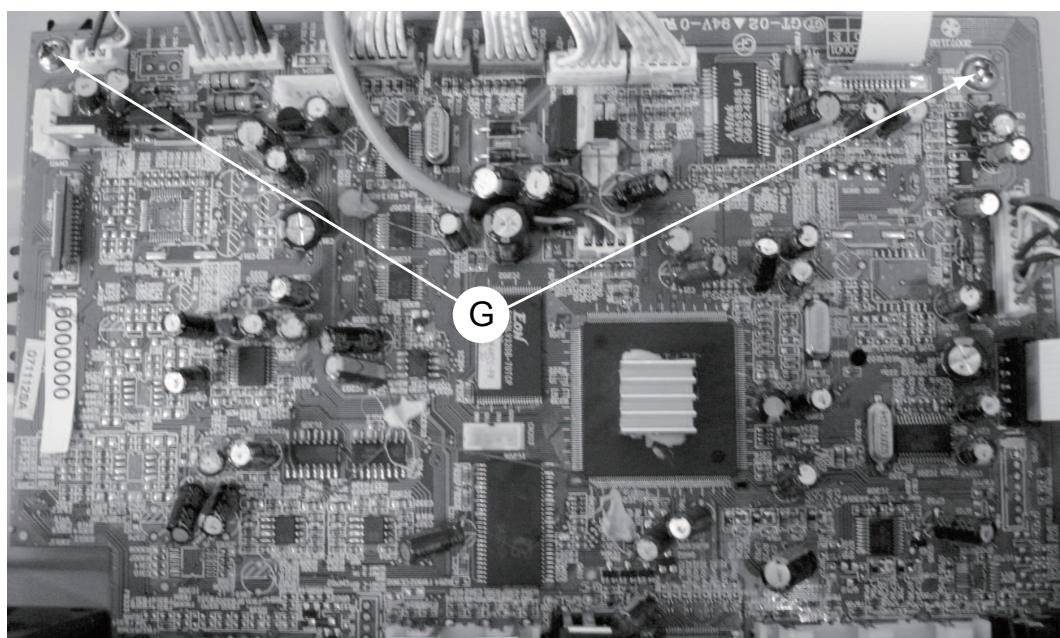


Figure 10

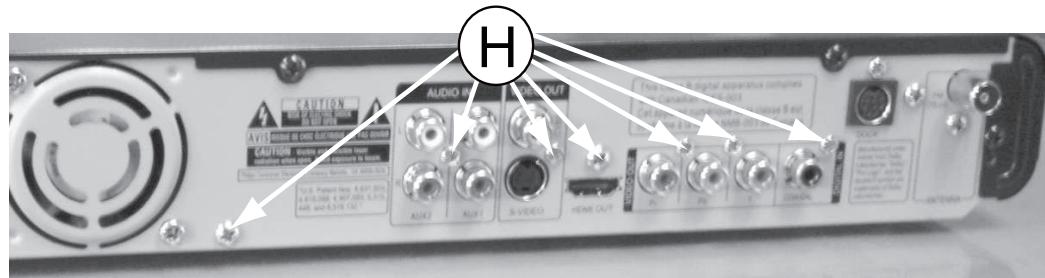


Figure 11

Dismantling of the Power Board

- 1) Loosen 4 screws "I" on the top of power board as shown in figure 12

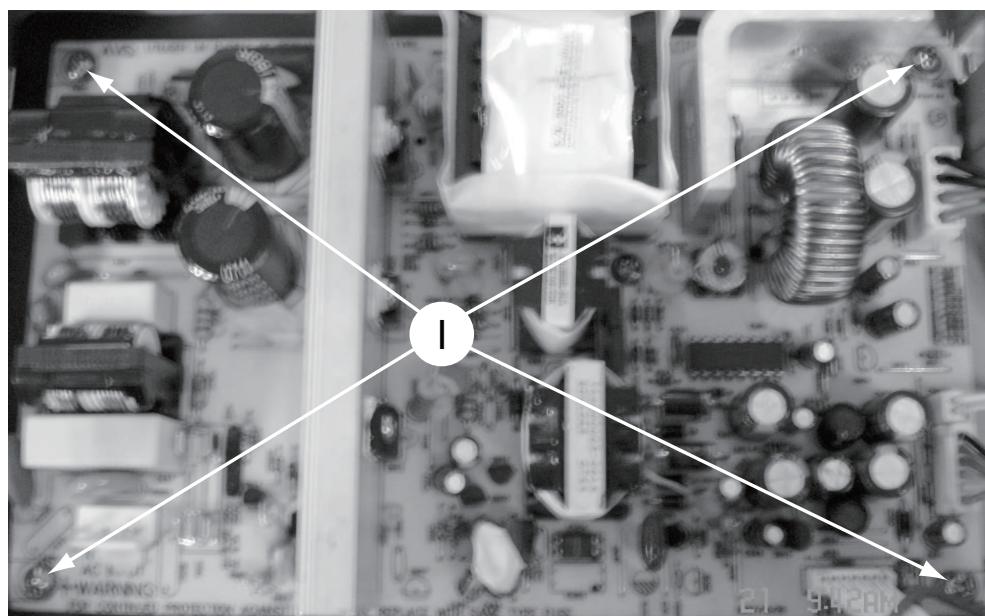


Figure 12

Dismantling of the VFD+JACK+VOL+STANDBY Board

- 1) Loosen 9 screws "J" on the top of control board as shown in 13

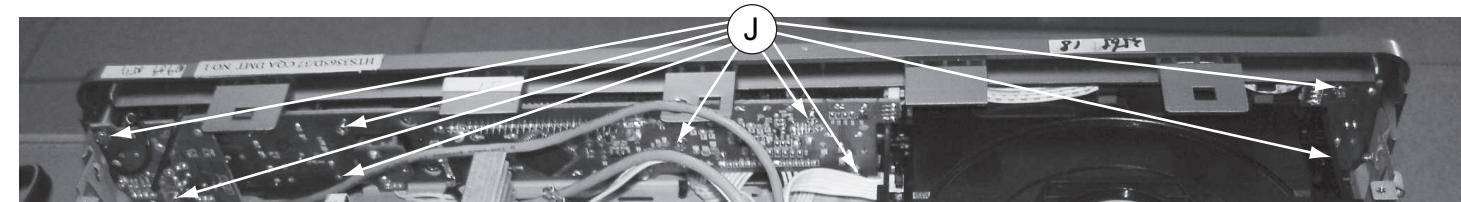


Figure 13

Dismantling of the DVD Module

- 1) Loosen 4 screws "K" as shown in figure 14.

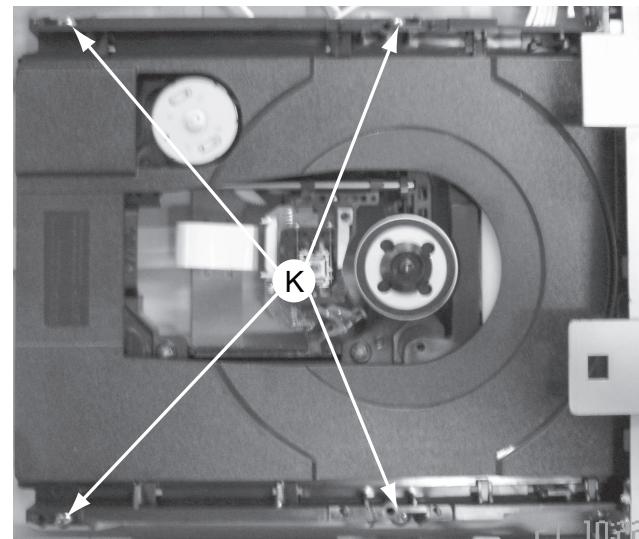
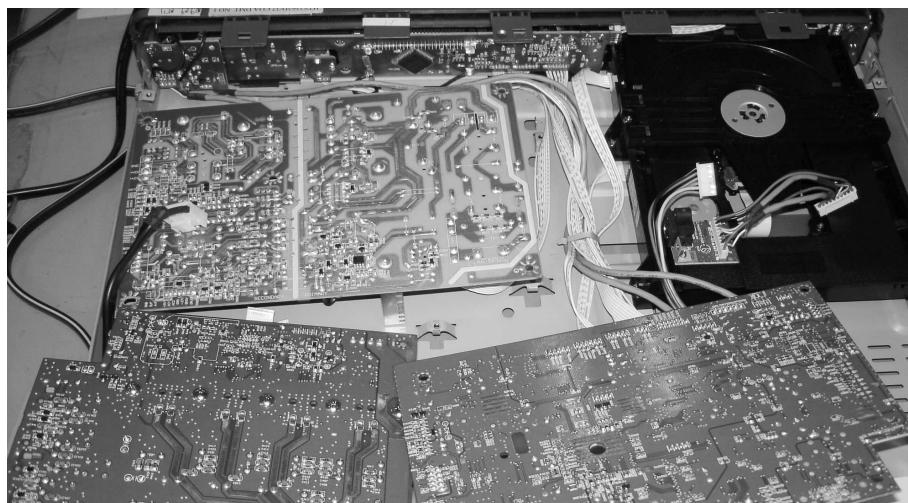


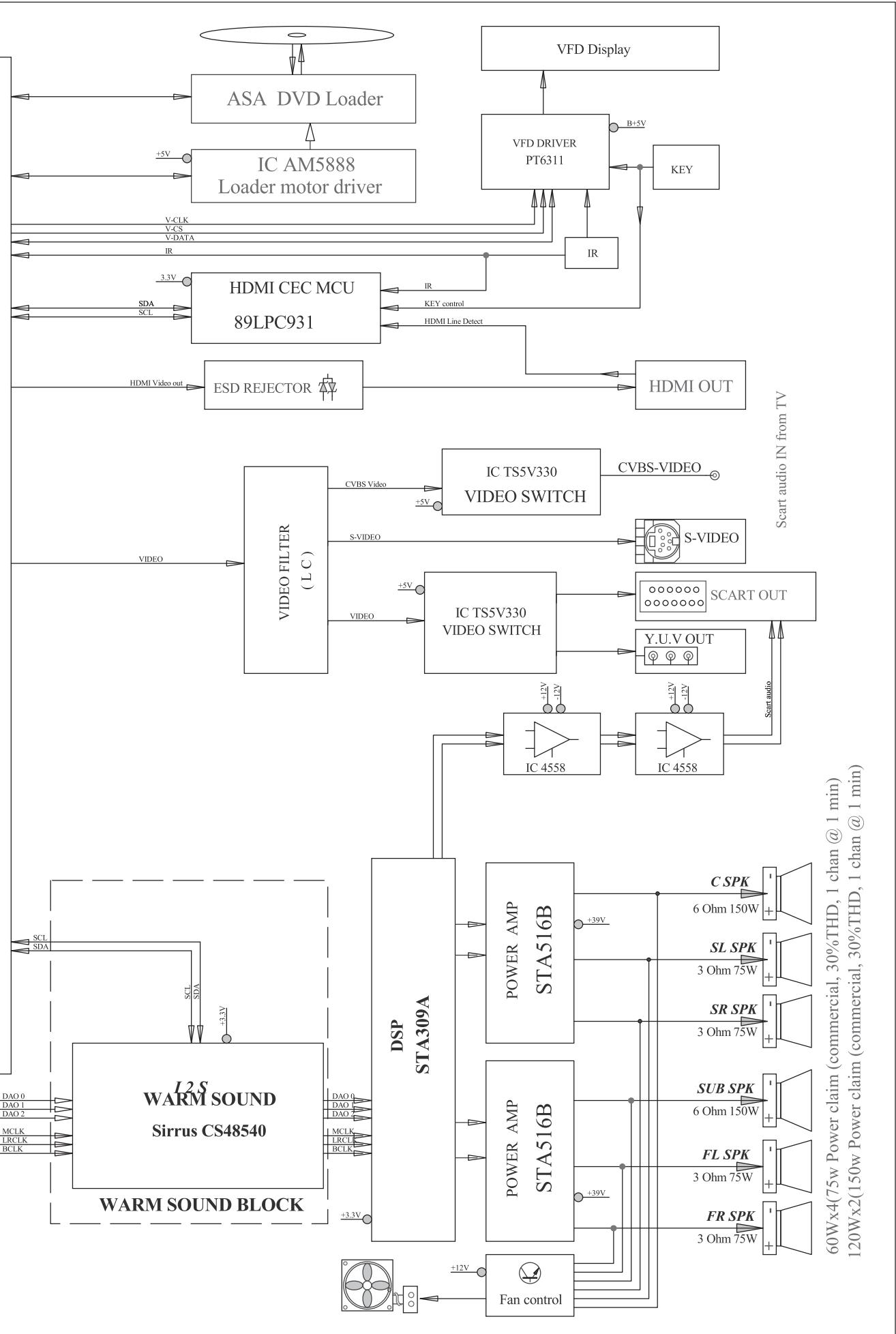
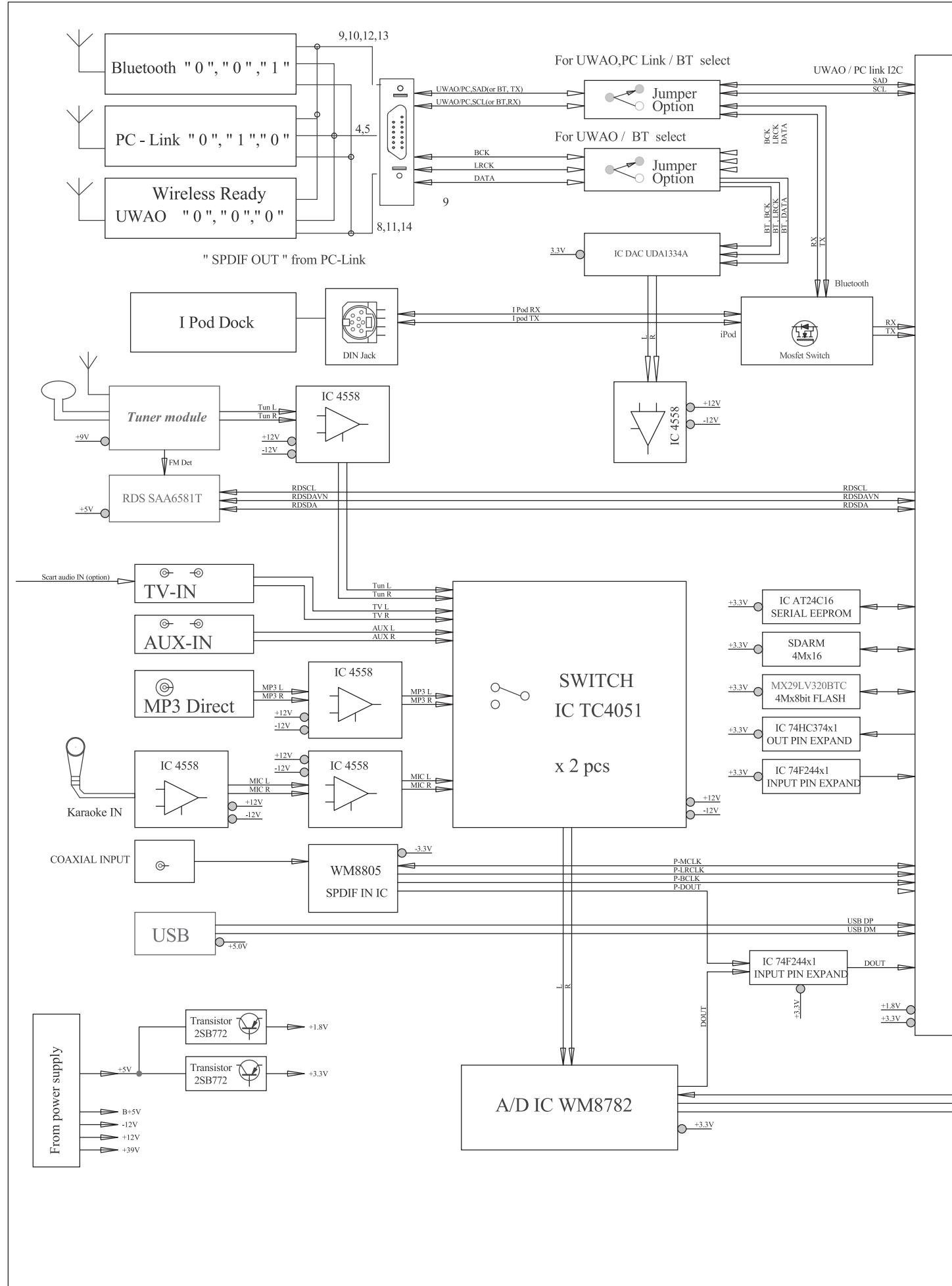
Figure 14

SERVICE POSITIONS

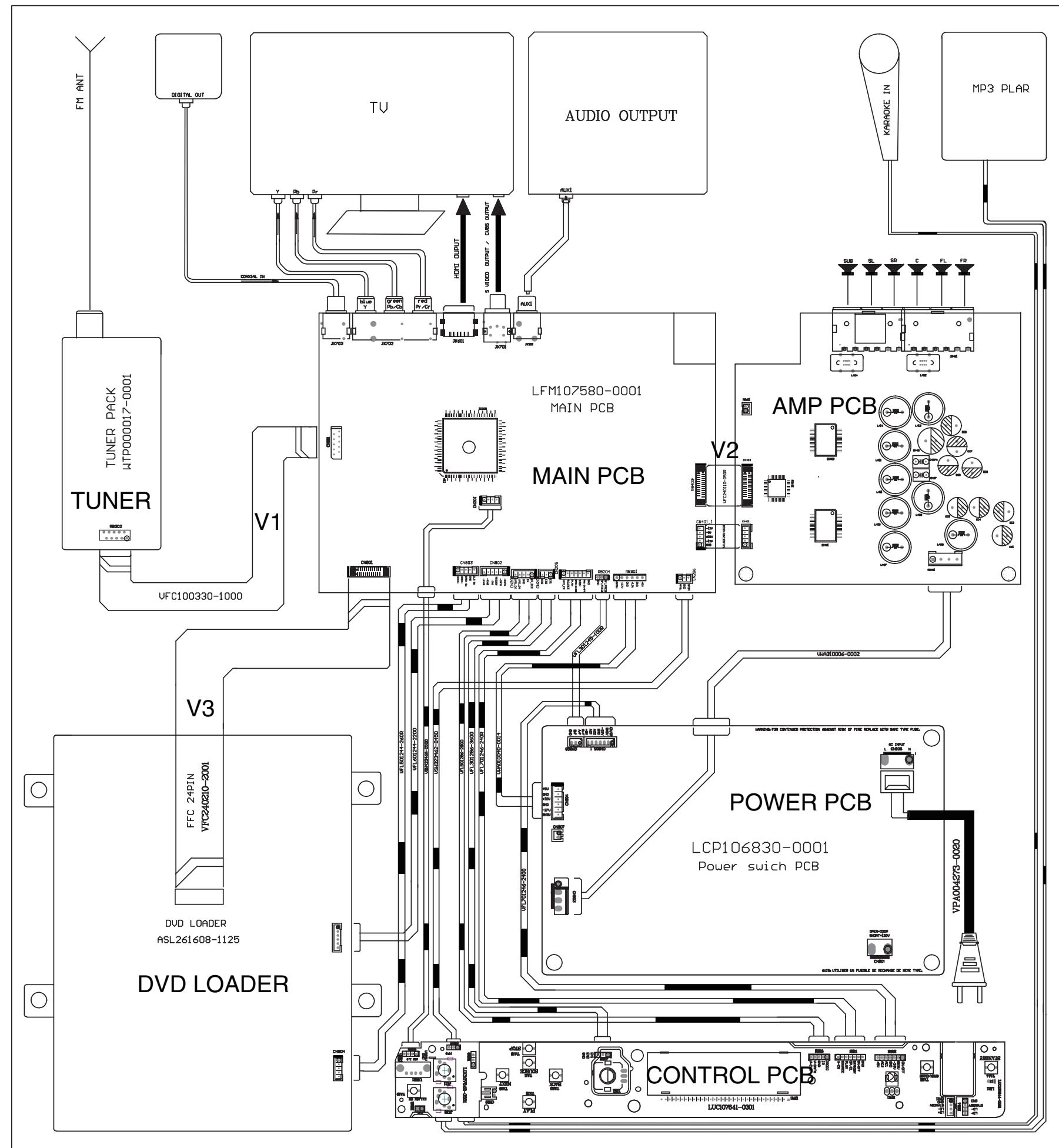
service position A (main unit)



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.

BLOCK DIAGRAM

WIRING DIAGRAM

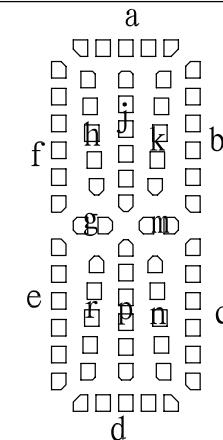
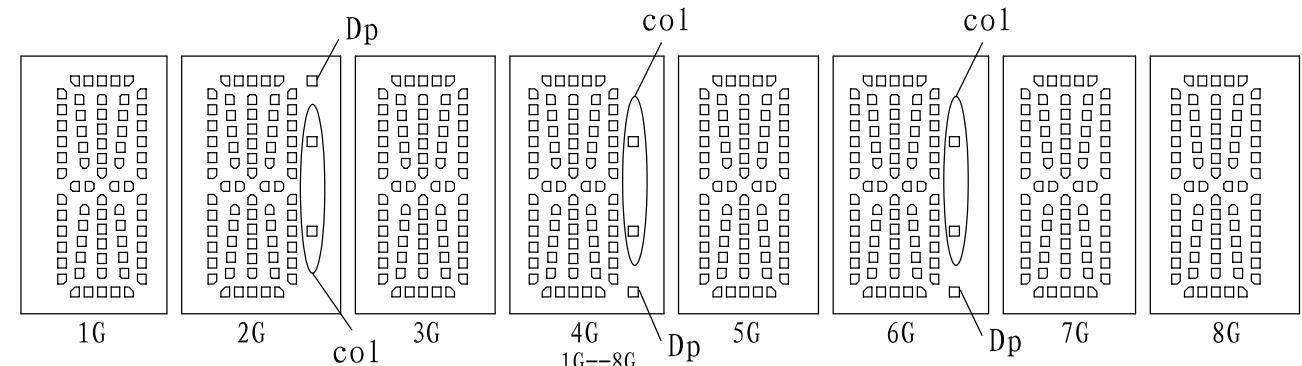


CONTROL BOARD

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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							
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

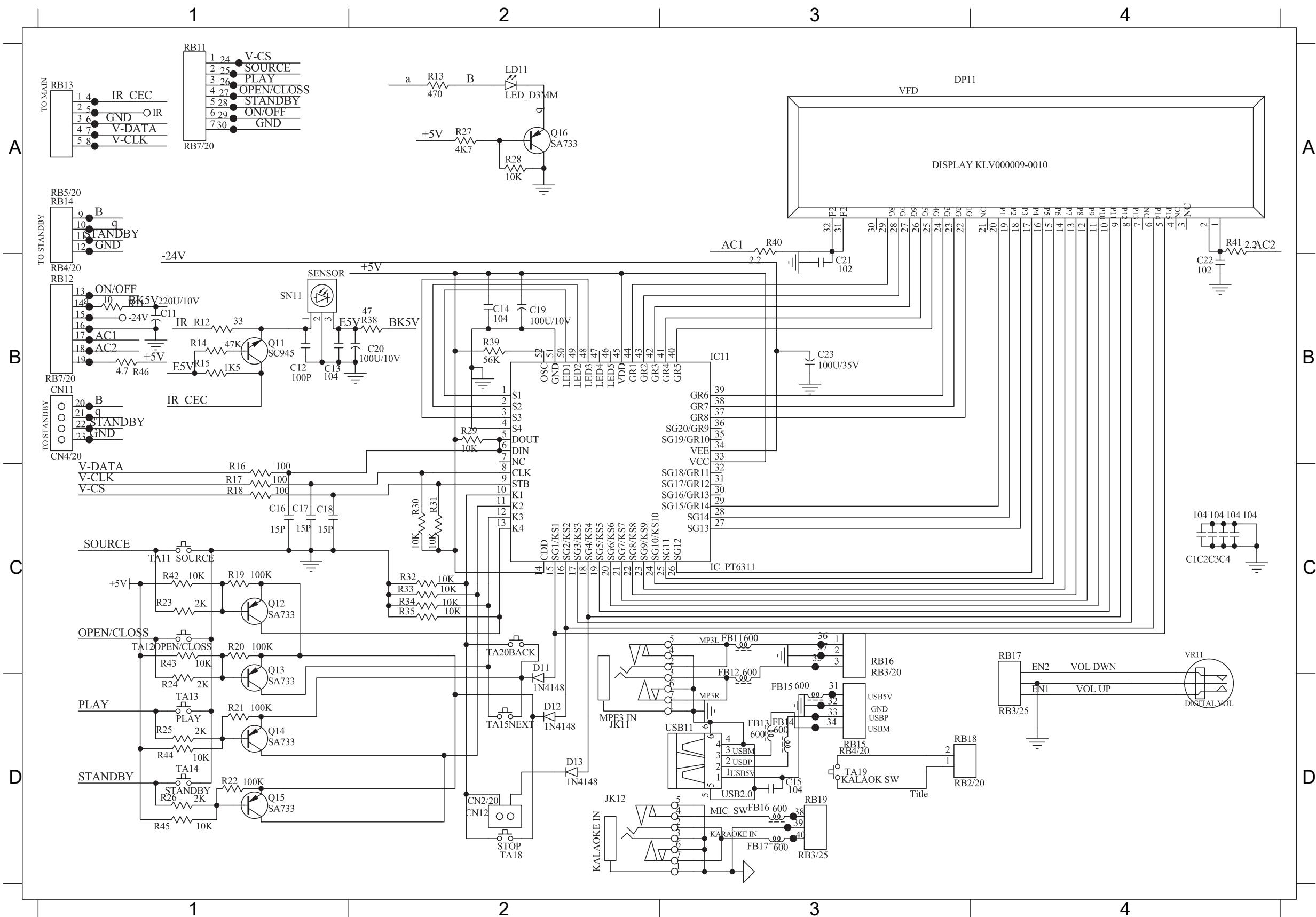
注 (Notes) : Fn : 灯丝 (Filament Pin) nG : 栅极 (Grid Pin)

Pn : 阳极 (Anode Pin) NP : 无引出脚 (No Pin)

NC : 无功能 (No connection Pin)

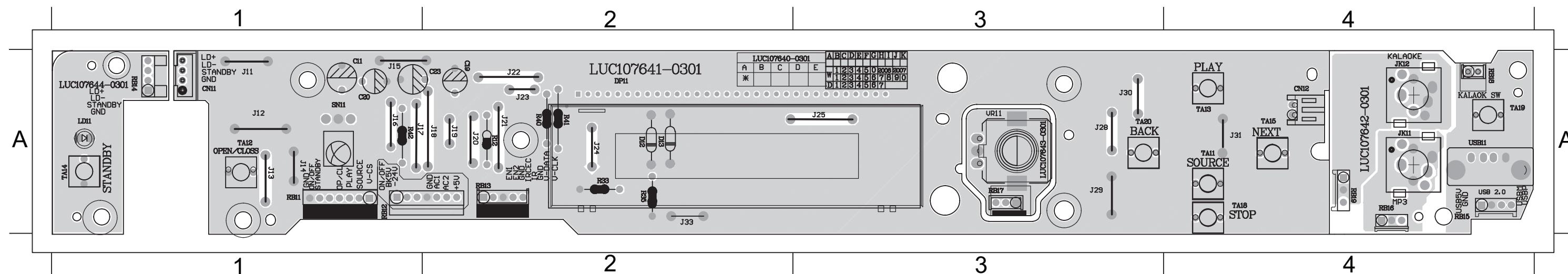
CIRCUIT DIAGRAM

C11	B1	C17	C1	C23	B3	FB11	C3	FB17	D3	Q12	C1	R12	B1	R18	C1	R24	D1	R30	C2	R38	B2	R44	D1	RB14	A1	SN11	B1	TA18	D2
C12	B1	C18	C1	CN12	D2	FB12	D3	IC11	B3	Q13	C1	R13	A2	R19	C1	R25	D1	R31	C2	R39	B2	R45	D1	RB15	D3	TA11	C1	TA19	D3
C13	B1	C19	B2	D11	D2	FB13	D3	JK11	D2	Q14	D1	R14	B1	R20	C1	R26	D1	R32	C2	R40	A3	R46	B1	RB16	C3	TA12	C1	TA20	C2
C14	B2	C20	B2	D12	D2	FB14	D3	JK12	D2	Q15	D1	R15	B1	R21	D1	R27	A2	R33	C2	R41	A4	RB11	A1	RB17	C4	TA13	D1	USB11	D3
C15	D3	C21	B3	D13	D2	FB15	D3	LD11	A2	Q16	A2	R16	C1	R22	D1	R28	A2	R34	C2	R42	C1	RB12	B1	RB18	D3	TA14	D1	VR11	D4
C16	C1	C22	B4	DP11	A3	FB16	D3	Q11	B1	R11	B1	R17	C1	R23	C1	R29	B2	R35	C2	R43	C1	RB13	A1	RB19	D3	TA15	D2		

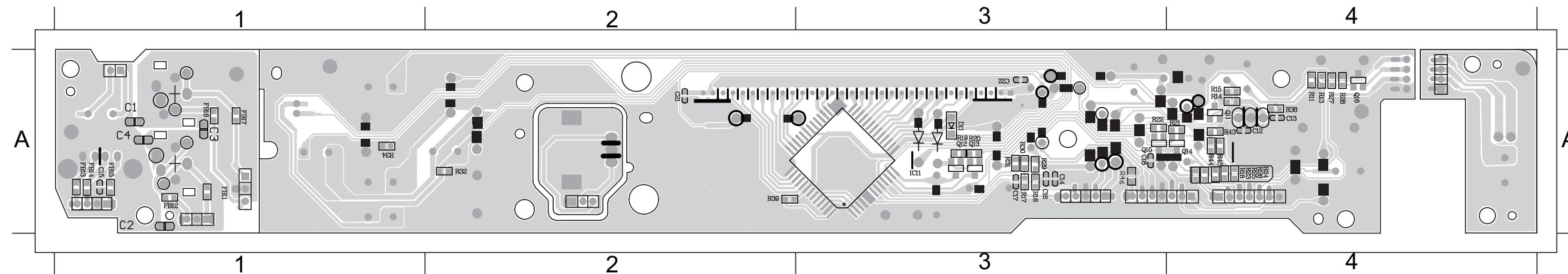


PCB LAYOUT - TOP VIEW

C11 A1 CN12 A2	J11 A1 J15 A1	J19 A2 J23 A2	J29 A3 JK11 A4	R33 A2 R42 A1	RB14 A1 RB18 A4	TA12 A1 TA18 A4	VR11 A3
C19 A2 D12 A2	J12 A1 J16 A1	J20 A2 J24 A2	J30 A3 JK12 A4	R35 A2 RB11 A1	RB15 A4 RB19 A4	TA13 A4 TA19 A4	
C20 A1 D13 A2	J13 A1 J17 A1	J21 A2 J25 A3	J31 A4 LD11 A1	R40 A2 RB12 A1	RB16 A4 SN11 A1	TA14 A1 TA20 A3	
C23 A1 DP11 A2	J14 A1 J18 A2	J22 A2 J28 A3	J33 A2 R12 A2	R41 A2 RB13 A2	RB17 A3 TA11 A4	TA15 A4 TA18 A4	USB11A4

**PCB LAYOUT - BOTTOM VIEW**

C12 A4 C16 A3	C22 A3 FB13 A1	FB17 A1 Q13 A3	R11 A4 R16 A3	R20 A3 R24 A4	R28 A4 R32 A2	R43 A4
C13 A4 C17 A3	D11 A3 FB14 A1	IC11 A3 Q14 A4	R13 A4 R17 A3	R21 A4 R25 A4	R29 A3 R34 A1	R44 A4
C14 A3 C18 A3	FB11 A1 FB15 A1	Q11 A4 Q15 A3	R14 A4 R18 A4	R22 A3 R26 A4	R30 A3 R38 A4	R45 A4
C15 A1 C21 A2	FB12 A1 FB16 A1	Q12 A3 Q16 A4	R15 A4 R19 A3	R23 A4 R27 A4	R31 A3 R39 A2	R46 A3



6 - 1
INTERNAL IC DIAGRAM - AS81F641642C

MAIN BOARD

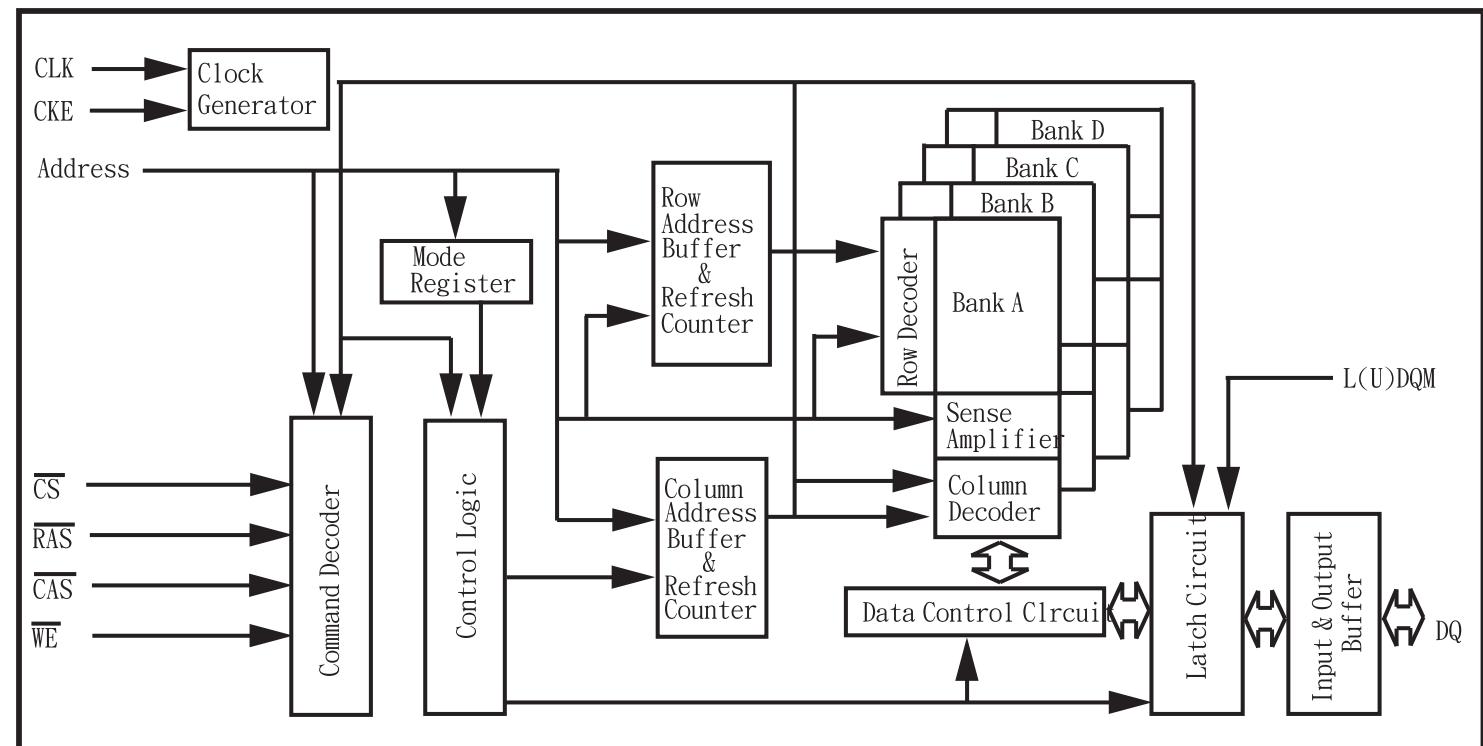
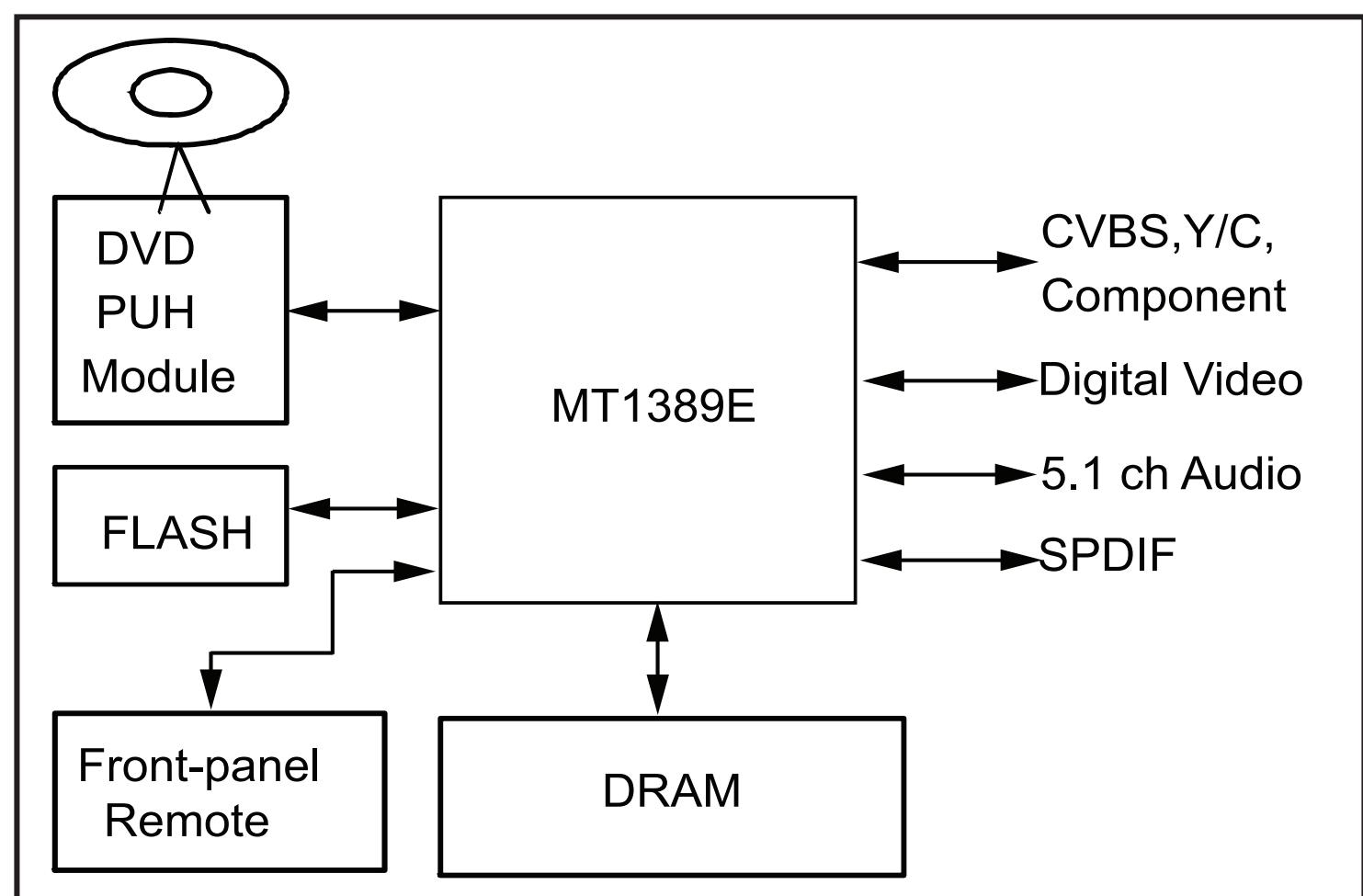


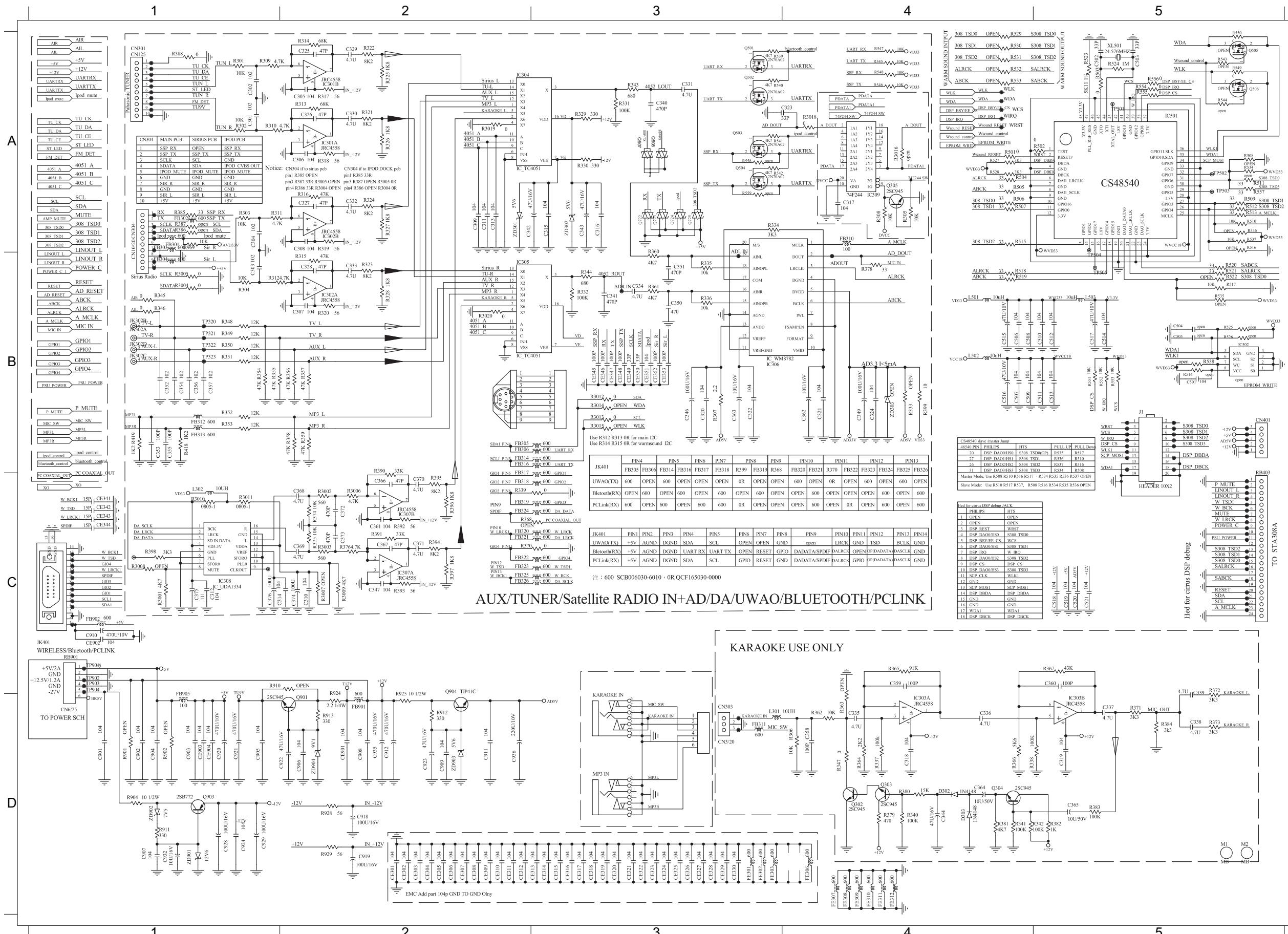
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INTERNAL IC DIAGRAM - MT1389E

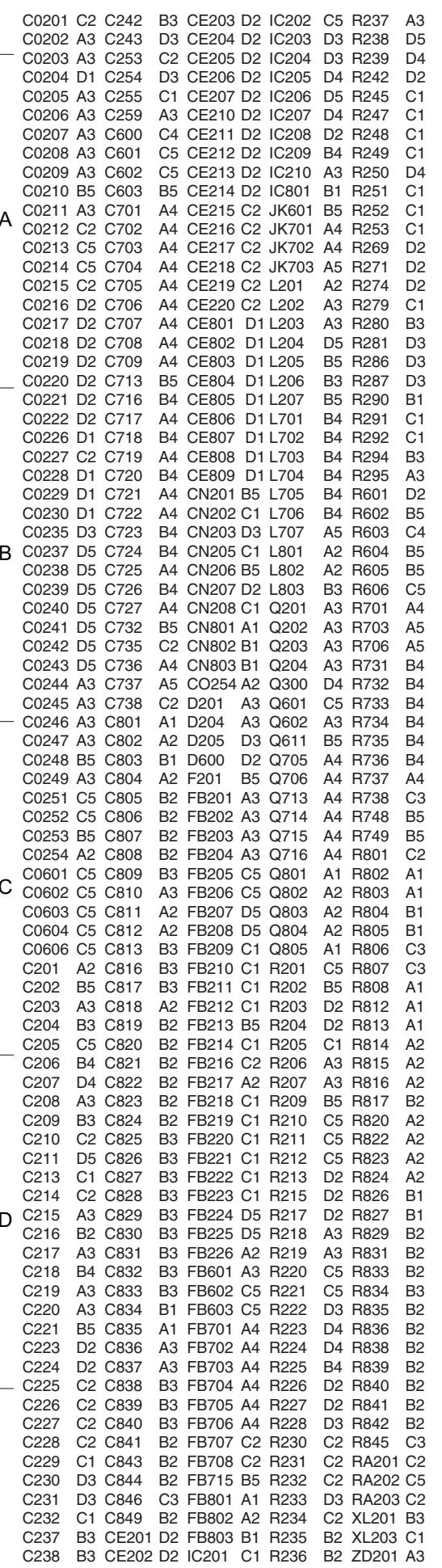
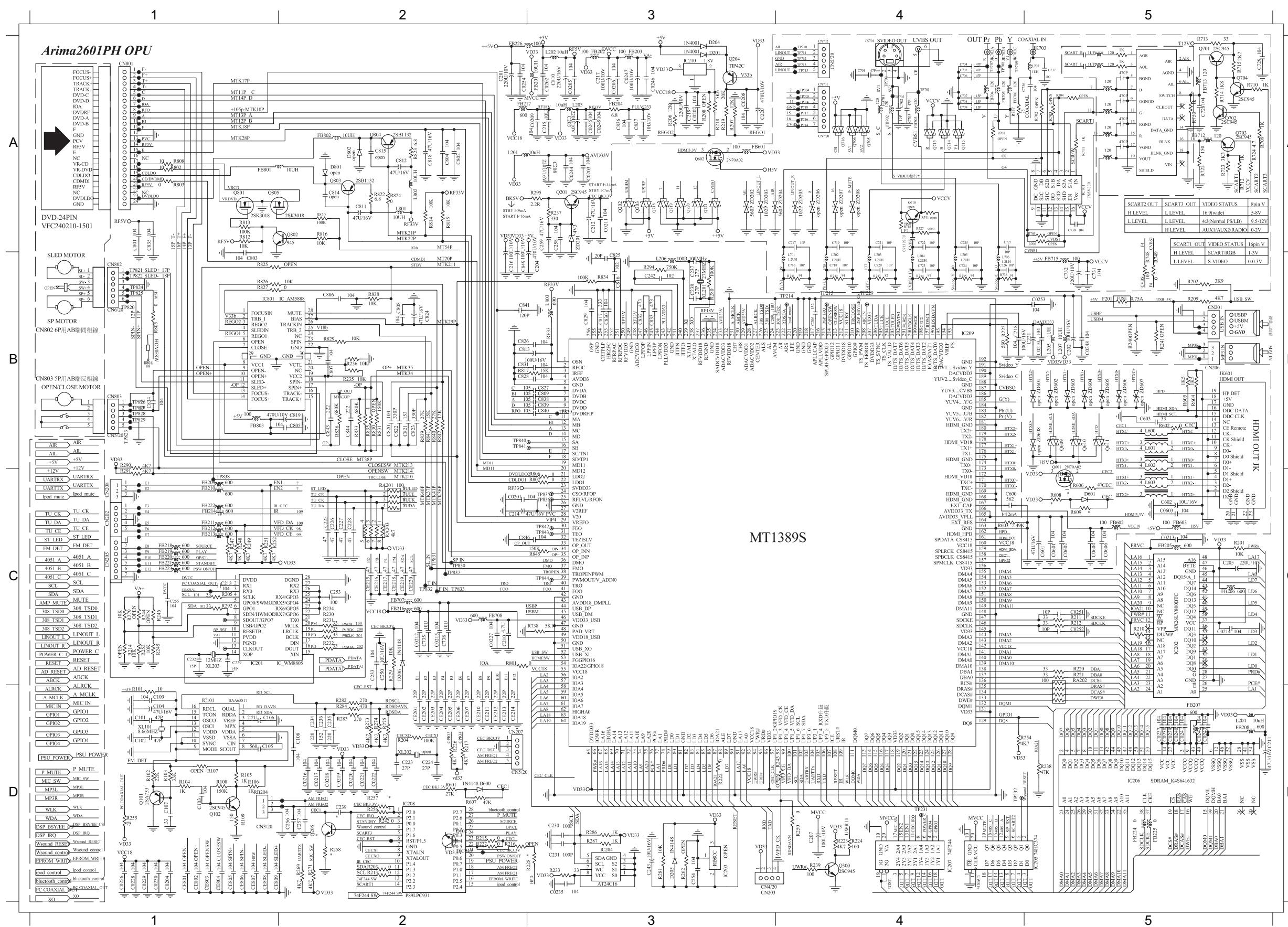


CIRCUIT DIAGRAM - part one

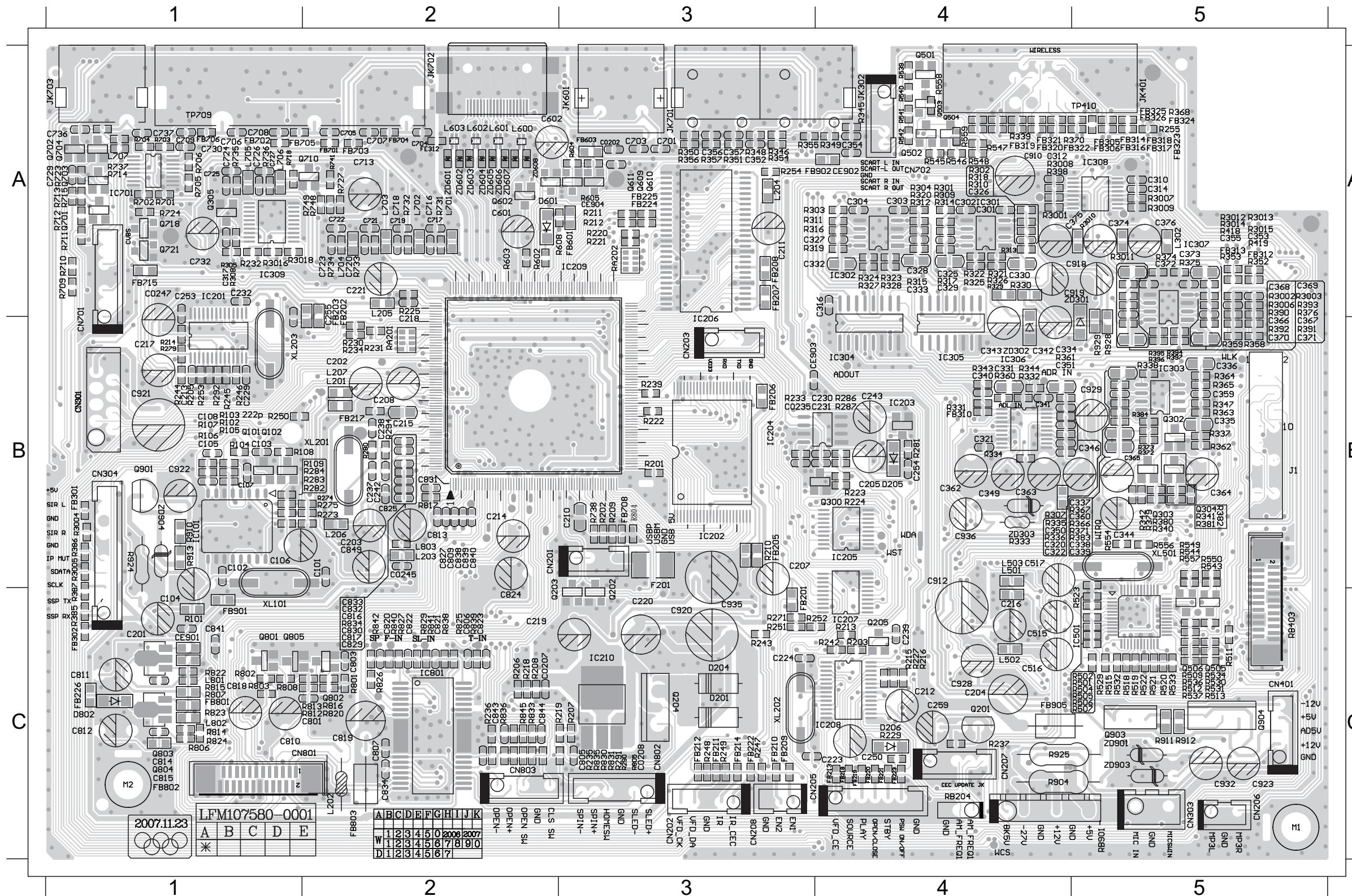


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C302	A1	C908	D2	FE304	D4	R354	B1
C305	A2	C909	D2	FE305	D4	R355	B1
C306	A1	C911	D2	FE306	D4	R356	B2
C309	A2	C912	D2	FE307	D4	R357	B2
C311	A2	C918	D2	FE308	D4	R358	B2
C313	A2	C919	D2	FE309	D4	R359	B2
C315	A3	C920	D1	FE310	D4	R360	B3
C316	A3	C921	D1	FE311	D4	R361	B3
C317	A4	C922	D2	FE312	D4	R362	D4
C318	D4	C923	D2	IC301	A2	R364	D4
C319	D5	C924	D1	IC303	D4	R365	C4
C320	B3	C928	D1	IC304	A2	R366	D4
C321	B4	C929	D1	IC305	B2	R367	C5
C322	B3	C932	D1	IC306	B3	R368	C3
C323	A3	C935	D2	IC309	A4	R371	D5
C324	B4	C936	D2	IC501	A5	R372	D5
C325	A2	CE301	D2	JK302	B1	R373	D5
C326	A2	CE302	D2	L301	D3	R378	B4
C329	A2	CE303	D2	L501	B4	R379	D4
C330	A2	CE304	D2	L502	B4	R380	D4
C331	A3	CE305	D2	L503	B5	R381	D4
C334	B3	CE306	D2	Q302	D4	R382	D5
C335	D4	CE307	D2	Q303	D4	R383	D5
C336	D4	CE308	D2	Q304	D4	R384	D5
C337	D5	CE309	D2	Q305	A4	R388	A1
C338	D5	CE310	D2	Q507	A3	R399	B4
C339	D5	CE311	D2	Q722	A3	R418	B1
C340	A3	CE312	D2	Q723	A3	R419	B1
C341	B3	CE313	D3	Q724	A3	R501	A4
C342	A3	CE314	D3	Q901	D2	R502	A5
C343	A3	CE315	D3	Q903	D1	R503	A5
C344	D4	CE316	D3	Q904	D2	R504	A4
C346	B3	CE317	D3	R301	A1	R505	A4
C349	B4	CE318	D3	R3018	A4	R506	A4
C350	B3	CE319	D3	R3019	A2	R507	A4
C351	B3	CE320	D3	R302	A1	R509	A5
C352	B1	CE321	D3	R3020	B2	R510	A5
C353	B1	CE322	D3	R305	A4	R512	A5
C354	B1	CE323	D3	R305	D4	R513	A5
C355	B1	CE324	D3	R307	B3	R515	A4
C356	B1	CE325	D3	R308	A4	R517	B5
C357	B1	CE326	D3	R309	A1	R518	B4
C358	D4	CE327	D3	R310	A1	R519	B4
C359	C4	CE328	D3	R313	A2	R520	B5
C360	C5	CE329	D3	R314	A2	R521	B5
C362	B4	CE330	D3	R317	A2	R522	B5
C363	B3	CE341	C1	R318	A1	R523	A5
C364	D4	CE342	C1	R321	A2	R524	A5
C365	D5	CE343	C1	R322	A2	R525	B5
C502	A5	CE344	C1	R325	A2	R526	B5
C503	A5	CE345	B3	R326	A2	R537	A5
C506	B4	CE346	B3	R329	A3	R549	A5
C507	B4	CE347	B3	R330	A3	R550	A5
C508	B4	CE348	B3	R331	A3	R554	A5
C509	B4	CE351	B3	R332	B3	R556	A5
C510	B5	CE352	B3	R334	A3	R557	A5
C511	B5	CE353	B3	R335	B3	R904	D1
C512	B5	CE901	D2	R336	B3	R911	D1
C513	B5	CE903	D1	R337	D4	R912	D2
C514	B5	CE904	D1	R338	D5	R913	D2
C515	B4	CN301	A1	R340	D4	R924	D2
C516	B4	CN303	D3	R341	D4	R925	D2
C517	B5	CN401	B5	R342	D4	R926	D2
C518	C5	CN302	D4	R343	A3	R927	D2
C519	C5	CN303	D4	R344	B3	R928	D2
C520	C5	FB310	A4	R345	B3	R929	D2
C521	C5	FB311	D3	R346	B3	R930	D2
C522	C5	FB312	D3	R347	B3	R931	D2
C523	C5	FB313	D3	R348	B3	R932	D2
C524	C5	FB314	D3	R349	B3	R933	D2
C525	C5	FB315	D3	R350	B3	R934	D2
C526	C5	FB316	D3	R351	B3	R935	D2
C527	C5	FB317	D3	R352	B3	R936	D2
C528	C5	FB318	D3	R353	B3	R937	D2
C529	C5	FB319	D3	R354	B3	R938	D2
C530	C5	FB320	D3	R355	B3	R939	D2
C531	C5	FB321	D3	R356	B3	R940	D2
C532	C5	FB322	D3	R357	B3	R941	D2
C533	C5	FB323	D3	R358	B3	R942	D2
C534	C5	FB324	D3	R359	B3	R943	D2
C535	C5	FB325	D3	R360	B3	R944	D2
C536	C5	FB326	D3	R361	B3	R945	D2
C537	C5	FB327	D3	R362	B3	R946	D2
C538	C5	FB328	D3	R363	B3	R947	D2
C539	C5	FB329	D3	R364	B3	R948	D2
C540	C5	FB330	D3	R365	B3	R949	D2
C541	C5	FB331	D3	R366	B3	R950	D2
C542	C5	FB332	D3	R367	B3	R951	D2
C543	C5	FB333	D3	R368	B3	R952	D2
C544	C5	FB334	D3	R369	B3	R953	D2
C545	C5	FB335	D3	R370	B3	R954	D2
C546	C5	FB336	D3	R371	B3	R955	D2
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C549	C5	FB339	D3	R374	B3	R958	D2
C550	C5	FB340	D3	R375	B3	R959	D2
C551	C5	FB341	D3	R376	B3	R960	D2
C552	C5	FB342	D3	R377	B3	R961	D2
C553	C5	FB343	D3	R378	B3	R962	D2
C554	C5	FB344	D3	R379	B3	R963	D2
C555	C5	FB345	D3	R380	B3	R964	D2
C556	C5	FB346	D3	R381	B3	R965	D2
C557	C5	FB347	D3	R382	B3	R966	D2
C558	C5	FB348	D3	R383	B3	R967	D2
C559	C5	FB349	D3	R384	B3	R968	D2
C560	C5	FB350	D3	R385	B3	R969	D2
C561	C5	FB351	D3	R386	B3	R970	D2
C562	C5	FB352	D3	R387	B3	R971	D2
C563	C5	FB353	D3	R388	B3	R972	D2
C564	C5	FB354	D3	R389	B3	R973	D2
C565	C5	FB355	D3	R390	B3	R974	D2
C566	C5	FB356	D3	R391	B3	R975	D2
C567	C5	FB357	D3	R392	B3	R976	D2
C568							

CIRCUIT DIAGRAM - part two

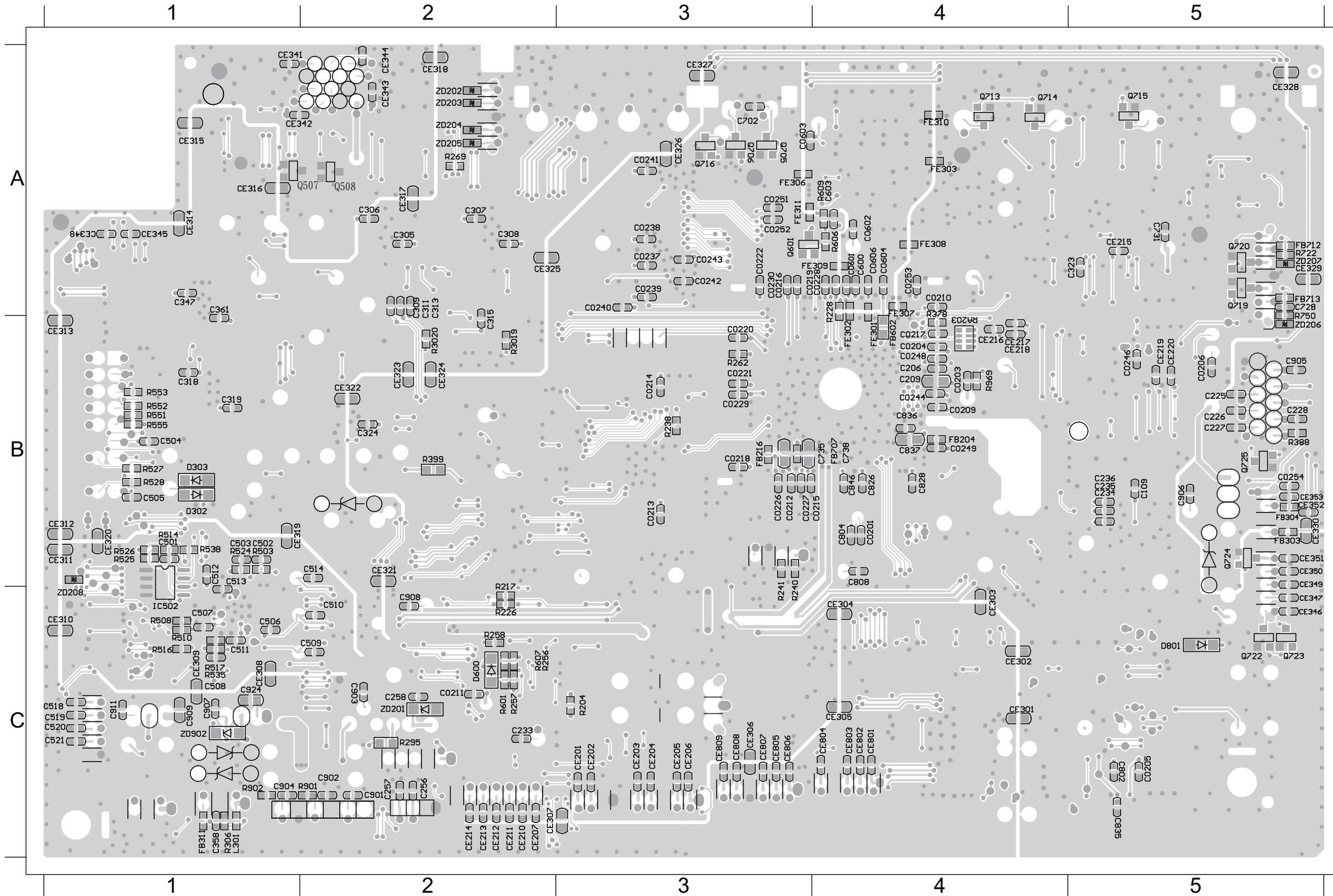


PCB LAYOUT - TOP VIEW



A	C0235 B3 C703 A3 CN303C5 L207 B2 R291 C3 R521 C5
B	C0245 B2 C704 A2 CN401C5 L501 B4 R292 B1 R522 C5
C	C0247 A1 C705 A2 CN801C1 L502 C4 R301 A4 R523 C5
A	C201 C1 C706 A1 CN802C3 L503 B4 R3018 A1 R537 C5
B	C202 B2 C707 A2 CN803C2 L701 A2 R302 A4 R549 B5
C	C203 B2 C708 A1 D201 C3 L702 A2 R305 A1 R550 B5
A	C204 C4 C709 A1 D204 C3 L703 A2 R307 B5 R554 B5
B	C205 B4 C713 A2 D205 B4 L704 A2 R308 A1 R556 B5
C	C207 B3 C716 A2 F201 B3 L705 A1 R309 A4 R557 B5
A	C208 B2 C717 A2 FB201 C3 L706 A1 R310 A4 R602 A2
B	C210 B3 C718 A2 FB202 C4 L707 A1 R313 A4 R603 A2
C	C211 A3 C719 A2 FB203 A2 L801 C1 R314 A4 R604 A3
A	C213 B1 C720 A2 FB205 B3 L802 C1 R317 A4 R605 A3
B	C214 B2 C721 A2 FB206 B3 L803 B2 R318 A4 R701 A1
C	C215 B2 C722 A2 FB207 A3 Q201 C4 R321 A4 R703 A1
A	C216 C4 C723 A2 FB208 A3 Q202 C3 R322 A4 R706 A1
B	C217 B1 C724 A1 FB209 C3 Q203 C3 R325 A4 R731 A2
C	C218 A2 C725 A1 FB210 C3 Q204 C3 R326 A4 R732 A2
A	C219 C2 C726 A1 FB211 C3 Q300 B5 R329 A4 R733 A2
B	C220 C3 C727 A1 FB212 C3 Q302 B5 R330 A4 R734 A2
C	C221 A2 C732 A1 FB213 C4 Q303 B5 R331 A4 R735 A1
A	C223 C4 C736 A1 FB214 C3 Q304 B5 R332 A4 R736 A1
B	C224 C3 C737 A1 FB217 B2 Q305 A1 R334 A4 R737 A1
C	C229 B1 C801 C2 FB218 C4 Q602 A2 R335 B4 R738 B3
A	C230 B4 C803 C2 FB219 C4 Q611 A3 R336 B4 R748 A2
B	C231 B4 C805 C3 FB220 C4 Q801 C1 R337 B5 R749 A2
C	C232 A1 C806 C2 FB221 C4 Q802 C2 R338 B5 R801 C2
A	C237 B2 C807 C2 FB222 C3 Q803 C1 R340 B5 R802 C1
B	C238 B2 C809 B2 FB223 C4 Q804 C1 R341 B5 R803 C1
C	C242 B2 C810 C1 FB224 A3 Q805 C1 R342 B5 R805 C3
A	C243 B4 C811 C1 FB225 A3 Q901 B1 R343 B4 R806 C1
B	C253 A1 C812 C1 FB226 C1 Q903 C5 R344 B4 R807 C1
C	C254 B4 C813 B2 FB310 B5 Q904 C5 R345 A4 R808 C1
A	C255 A2 C816 C2 FB312 A5 R201 B3 R346 A3 R812 C2
B	C259 C4 C817 C2 FB313 A5 R202 B3 R347 B5 R813 C2
C	C301 A4 C818 C1 FB601 A3 R203 C4 R348 A3 R814 C1
A	C302 A4 C819 C2 FB603 A3 R205 B1 R349 A4 R815 C1
B	C316 A4 C820 C2 FB701 A2 R206 C2 R350 A3 R816 C2
C	C317 A1 C821 C2 FB702 A1 R207 C3 R351 A3 R817 B2
A	C320 B5 C822 C2 FB703 A2 R209 B3 R352 A5 R820 C2
B	C321 B5 C823 C2 FB704 A2 R210 B3 R353 A5 R822 C1
C	C322 B5 C824 B2 FB705 A1 R211 A3 R354 A3 R823 C1
A	C325 A4 C825 B2 FB706 A1 R212 A3 R355 A3 R824 C1
B	C326 A4 C827 B2 FB708 B3 R213 C4 R356 A3 R826 C2
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B	C331 B5 C831 B2 FB802 C1 R219 C2 R359 B5 R831 C3
C	C334 A4 C832 C2 FB803 C2 R220 A3 R360 B5 R833 C2
A	C335 B5 C833 C2 FB901 C1 R221 A3 R361 B5 R834 C2
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C	C337 B5 C838 B2 FE312 A2 R223 B4 R364 B5 R836 C2
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B	C351 B5 C921 B1 IC301 A4 R237 C4 R382 B5 R914 B1
C	C352 A3 C922 B1 IC303 B5 R239 B3 R383 B5 R925 C4
A	C353 A5 C923 C5 IC304 B4 R242 C4 R384 B5 R928 B5
B	C354 A4 C928 C4 IC305 B4 R245 B1 R418 A5 R929 B5
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A	C356 A3 C932 C5 IC309 A1 R248 C3 R501 C5 RA202 A3
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C	C359 B5 C936 B5 IC801 C2 R250 B1 R504 C5 RB901 C5
A	C360 B5 CE901C1 JK302 A4 R251 C3 R505 C5 XL201 B2
B	C362 B5 CE903B3 JK601 A3 R252 C3 R506 C5 XL203 B1
C	C363 B5 CE904A3 JK701 A3 R253 B1 R507 C5 XL501 B5
A	C364 B5 CN201B3 JK702 A2 R271 C3 R509 C5 ZD301 A5
B	C365 B5 CN202C3 JK703 A1 R274 B2 R512 C5 ZD302 B4
C	C351 C4 CN203B3 L201 B2 R279 B1 R513 C5 ZD901 C5
A	C356 C4 CN205C3 L202 C2 R280 B2 R515 C5 ZD903 C5
B	C357 B4 CN206C5 L203 B2 R281 B4 R517 C5 ZD904 B1

PCB LAYOUT - BOTTOM VIEW



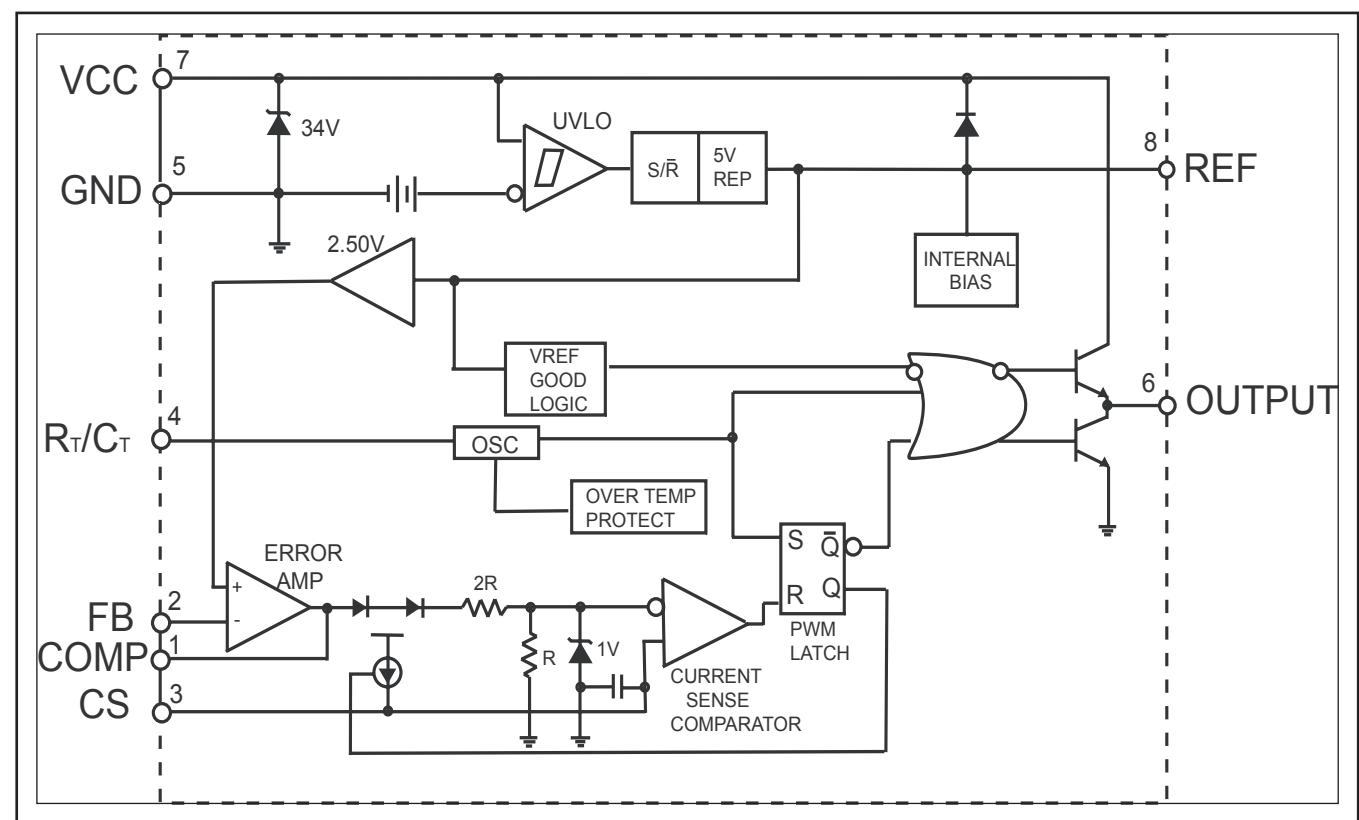
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C0205	C5	C503	B1	CE303	C4	FE303	A4
C0206	B5	C506	C1	CE304	C4	FE304	A4
C0209	B4	C507	C1	CE305	C4	FE305	A3
C0210	A4	C508	C1	CE306	C3	FE306	A3
C0211	C2	C509	C2	CE307	C2	FE307	A4
C0212	B3	C510	C2	CE308	C1	FE308	A4
C0213	B3	C511	C1	CE309	C1	FE309	A4
C0214	B3	C512	B1	CE310	C1	FE310	A4
C0215	B3	C513	B1	CE311	B1	FE311	A3
C0216	A3	C514	B2	CE312	B1	L301	C1
C0217	B4	C518	C1	CE313	B1	Q507	A1
C0218	B3	C519	C1	CE314	A1	Q601	A3
C0219	A3	C520	C1	CE315	A1	Q705	A3
C0220	B3	C521	C1	CE316	A1	Q706	A3
C0221	B3	C600	A4	CE317	A2	Q713	A4
C0222	A3	C603	A4	CE318	A2	Q714	A4
C0226	B3	C702	A3	CE319	B1	Q715	A5
C0227	B3	C735	B4	CE320	B1	Q716	A3
C0228	A4	C738	B4	CE321	B2	Q722	C5
C0229	B3	C802	C5	CE322	B2	Q723	C5
C0230	A3	C804	B4	CE323	B2	Q724	B5
C0237	A3	C808	B4	CE324	B2	R204	C3
C0238	A3	C826	B4	CE325	A2	R217	C2
C0239	A3	C828	B4	CE326	A3	R226	C2
C0240	A3	C835	C5	CE327	A3	R228	A4
C0241	A3	C836	B4	CE328	A5	R238	B3
C0242	A3	C837	B4	CE329	A5	R269	A2
C0243	A3	C846	B4	CE330	B5	R295	C2
C0244	B4	C901	C2	CE341	A1	R3019	B2
C0246	B5	C902	C2	CE342	A1	R3020	B2
C0248	B4	C903	C2	CE343	A2	R305	C1
C0249	B4	C904	C1	CE344	A2	R378	B4
C0251	A3	C905	B5	CE345	A1	R388	B5
C0252	A3	C906	B5	CE346	C5	R399	B2
C0253	A4	C907	C1	CE347	C5	R503	B1
C0254	B5	C908	C2	CE348	A1	R510	C1
C0601	A4	C909	C1	CE351	B5	R524	B1
C0602	A4	C911	C1	CE352	B5	R525	B1
C0603	A3	C924	C1	CE353	B5	R526	B1
C0604	A4	CE201	C3	CE801	C4	R601	C2
C0606	A4	CE202	C3	CE802	C4	R606	A4
C206	B4	CE203	C3	CE803	C4	R804	B3
C209	B4	CE204	C3	CE804	C4	RA203	B4
C225	B5	CE205	C3	CE805	C3	ZD201	C2
C226	B5	CE206	C3	CE806	C3	ZD902	C1
C227	B5	CE207	C2	CE807	C3		
C228	B5	CE210	C2	CE808	C3		
C305	A2	CE211	C2	CE809	C3		
C306	A2	CE212	C2	CO254	B5		
C309	A2	CE213	C2	D302	B1		
C311	A2	CE214	C2	D303	B1		
C313	A2	CE215	A5	D600	C2		
C315	A2	CE216	B4	FB204	B4		
C318	B1	CE217	B4	FB216	B3		
C319	B1	CE218	B4	FB311	C1		
C323	A5	CE219	B5	FB602	B4		

POWER BOARD

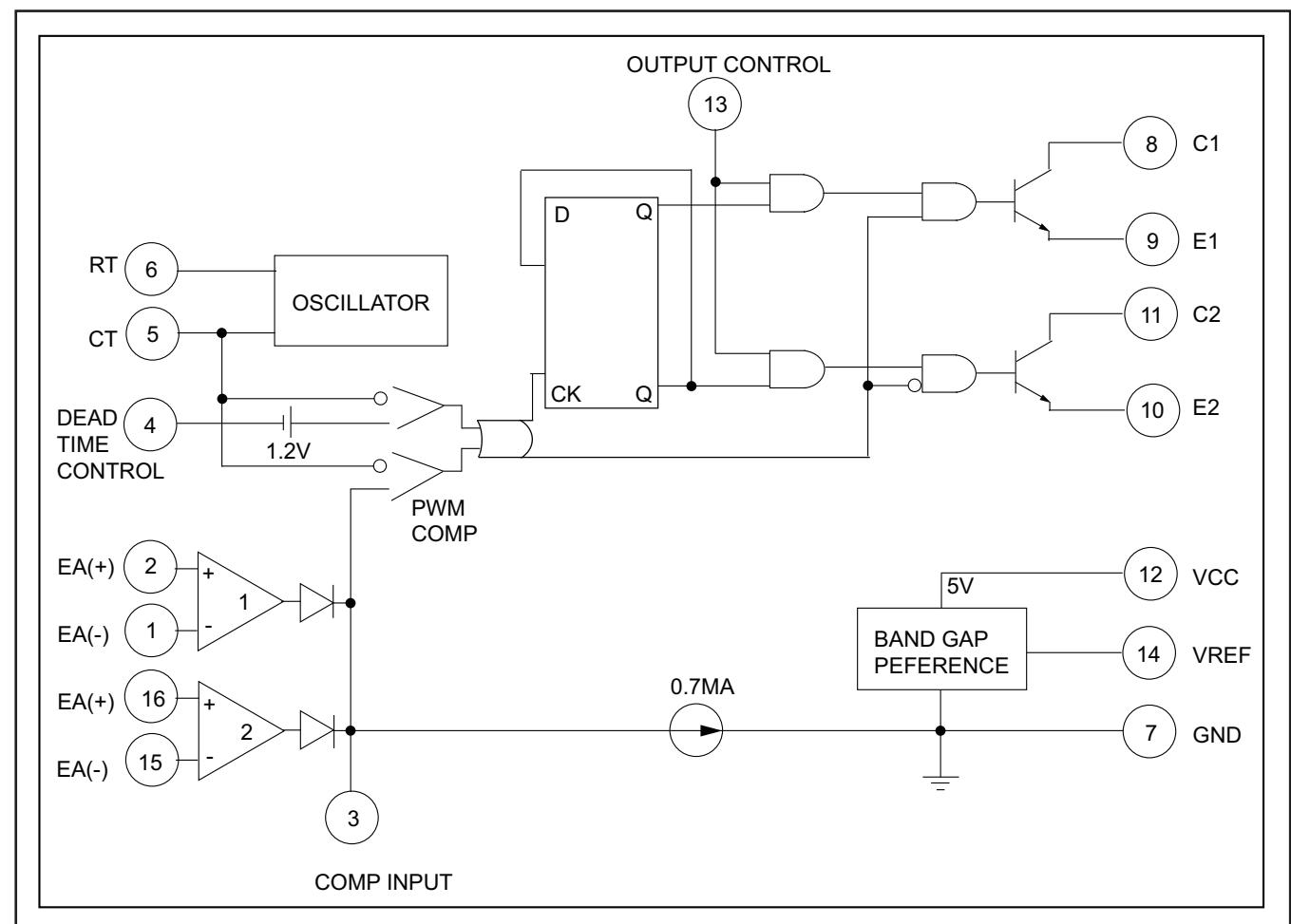
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INTERNAL IC DIAGRAM - AP3843GMTR

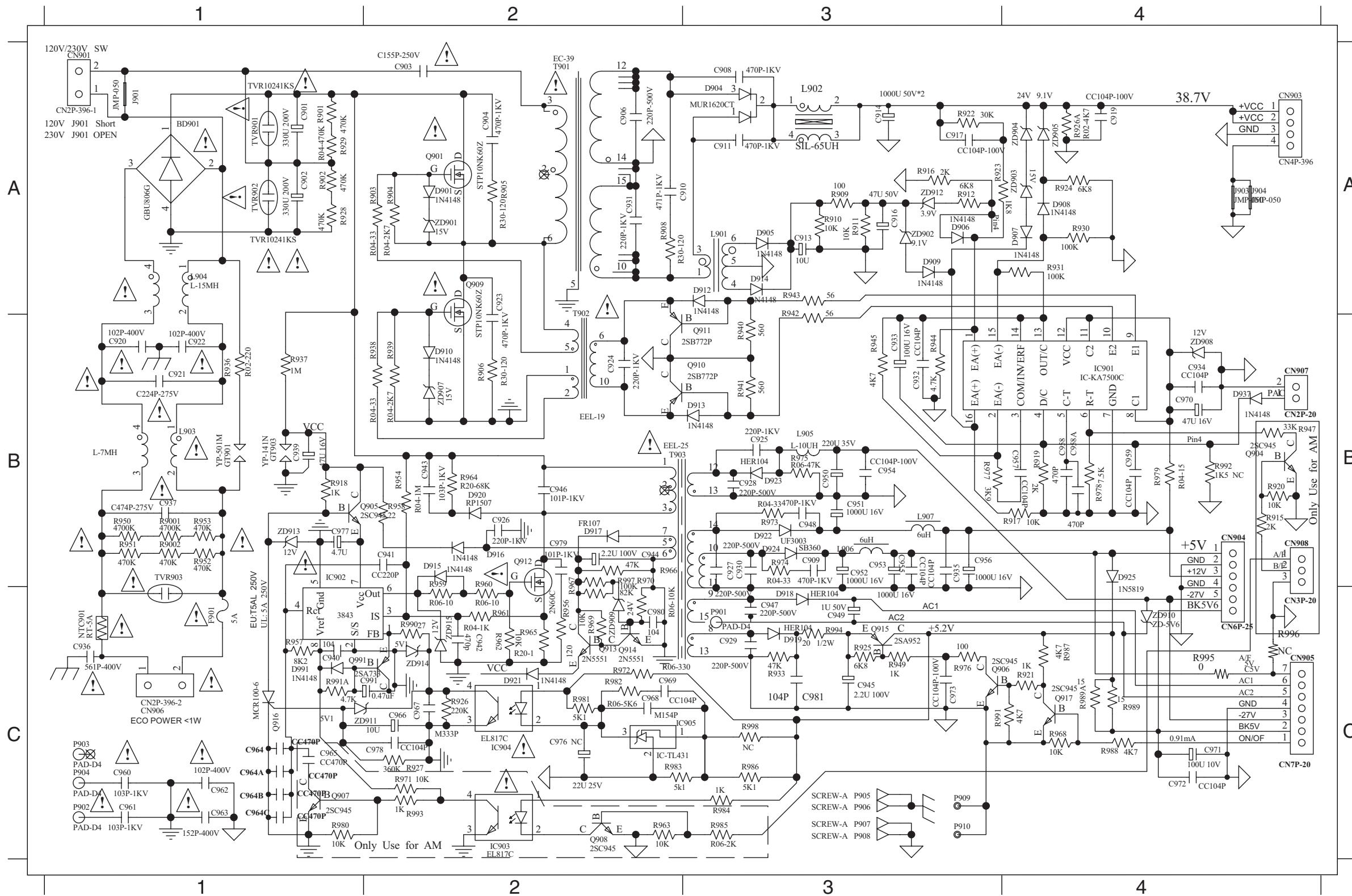


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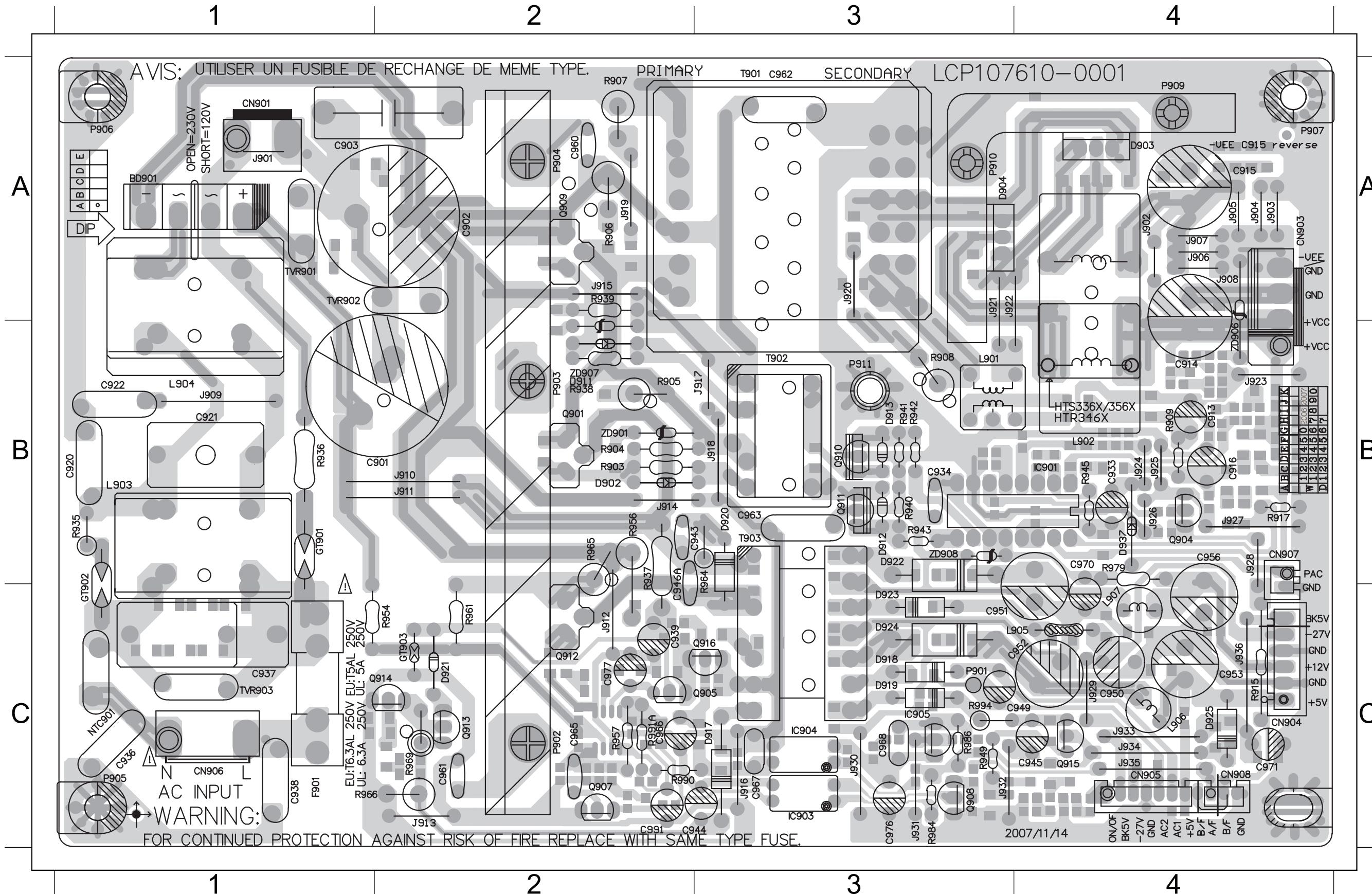
CIRCUIT DIAGRAM

BD901	A1	C917	A3	C931	A2	C946	B2	C959	B4	C970	B4	CN907	B4	D916	B2	GT901	B1	L907	B3	Q916	C1	R910	A3	R926B	A4	R941	B3	R958	B2	R973	B3	R989	C4	TVR901A1	ZD912	A3
C901	A1	C919	A4	C932	B3	C948	B3	C960	C1	C971	C4	CN908	B4	D917	B2	GT903	B1	L907	B3	Q917	C4	R911	A3	R926C	A4	R942	A3	R959	C2	R974	B3	R989A	C4	TVR902A1	ZD913	B1
C902	A1	C920	B1	C933	B3	C949	C3	C961	C1	C972	C4	D901	A2	D918	C3	IC901	B4	NTC901C1	Q991	C1	R912	A3	R926D	A4	R943	A3	R960	C2	R975	B3	R990	C2	TVR903B1	ZD914	C2	
C903	A2	C921	B1	C934	B4	C950	B3	C962	C1	C973	C3	D904	A3	D919	C3	IC902	B1	Q901	A2	R9001	B1	R916	A3	R927	C2	R944	B3	R962	C2	R976	C3	R991	C4	ZD901	A2	
C904	A2	C922	B1	C935	B3	C951	B3	C963	C1	C977	B1	D905	A3	D920	B2	IC904	C2	Q905	B1	R9002	B1	R917	B4	R928	A1	R945	B3	R964	C2	R978	B4	R993	C2	ZD902	A3	
C906	A2	C923	A2	C937	B1	C952	B3	C964	C1	C978	C2	D907	A4	D921	C2	IC905	C2	Q906	C3	R901	A1	R918	B1	R929	A1	R949	C3	R964	B2	R978	B4	R994	C3	ZD903	A4	
C908	A3	C924	B2	C939	B1	C953	B3	C964A	C1	C980	C2	D908	A4	D922	B3	J903	A4	Q909	A2	R902	A1	R919	B4	R930	A4	R950	B1	R965	C2	R979	B4	R994	C3	ZD904	A4	
C909	B3	C925	B3	C940	C1	C954	B3	C964B	C1	C991	C1	D909	A3	D923	B3	J904	A4	Q910	B3	R903	A2	R921	C4	R931	A4	R951	B1	R966	B2	R981	C2	R995	C4	ZD905	A4	
C910	A2	C926	B2	C941	B2	C955	B3	C964C	C1	CN901	A1	D910	B2	D924	B3	L901	A3	Q911	B3	R904	A2	R922	A3	R936	B1	R952	B1	R967	B2	R982	C2	R997	B2	ZD907	B2	
C911	A3	C927	B3	C942	C2	C956	B3	C966	C2	CN903	A4	D912	A3	D925	B4	L902	A3	Q912	B2	R905	A2	R923	A4	R937	B1	R953	B1	R968	C4	R983	C2	T901	A2	ZD908	B4	
C913	A3	C928	B3	C943	B2	C957	B4	C967	C2	CN904	B4	D913	B3	D937	B4	L903	B1	Q913	C2	R906	B2	R924	A4	R938	B2	R954	B2	R969	C2	R986	C3	T901	B2	ZD909	C2	
C914	A3	C929	C3	C944	B2	C958	B4	C968	C2	CN905	C4	D914	A3	D991	C1	L904	A1	Q914	C2	R908	A2	R925	C3	R939	B2	R955	C4	R970	C2	R987	C4	T902	B2	ZD910	C4	
C916	A3	C930	B3	C945	C4	C958A	B4	C969	C2	CN906	C1	D915	B2	F901	C1	L905	B3	Q915	C3	R909	A3	R926A	A4	R940	B3	R957	C1	R972	C2	R988	C4	T903	B2	ZD911	C1	



PCB LAYOUT - TOP VIEW

BD901	A1	C921	B1	C945	C4	C960	A2	C971	C4	CN907	B4	D920	B3	GT901	B1	J910	B2	J918	B3	J927	B4	L901	B3	Q901	B2	Q915	C4	R917	B4	R943	B3	R966	C1	T901	B3	ZD908	B3
C901	B2	C922	B1	C946	B2	C961	C2	C977	C2	CN908	C4	D921	C2	GT903	C2	J911	B2	J920	A3	J929	C4	L902	B4	Q905	C2	Q916	C3	R936	B1	R945	B4	R969	C2	T902	B3		
C902	A2	C933	B4	C949	C3	C962	A3	C991	C2	D904	A3	D922	B3	IC901	B4	J912	C2	J921	A3	J930	C3	L903	B1	Q909	A2	R903	B2	R937	B2	R949	C3	R979	B4	T903	B3		
C903	A1	C934	B3	C950	C4	C963	B3	CN901	A1	D912	B3	D923	C3	IC904	C3	J913	C2	J922	A3	J931	C3	L904	B1	Q910	B3	R904	B2	R938	B2	R954	C1	R986	C3	TVR901 A1			
C913	B4	C937	C1	C951	C4	C966	C2	CN903	A4	D913	B3	D924	C3	IC905	C3	J914	B2	J923	B4	J932	C3	L905	C4	Q911	B3	R905	B2	R939	A2	R957	C2	R990	C2	TVR902 A1			
C914	B4	C939	C2	C952	C4	C967	C3	CN904	C4	D917	C3	D925	C4	J903	A4	J915	A2	J924	B4	J933	C4	L906	C4	Q912	C2	R906	A2	R940	B3	R961	C2	TVR903 C1					
C916	B4	C943	B2	C953	C4	C968	C3	CN905	C4	D918	C3	D937	B4	J904	A4	J916	C3	J925	B4	J934	C4	L907	C4	Q913	C2	R908	B3	R941	B3	R964	B3	ZD901 B2					
C920	B1	C944	C2	C956	B4	C970	B4	CN906	C1	D919	C3	F901	C1	J909	B1	J917	B3	J926	B4	J936	C4	NTC901	C1	Q914	C2	R909	B4	R942	B3	R965	B2	T901	A3	ZD907 B2			



PCB LAYOUT - BOTTOM VIEW

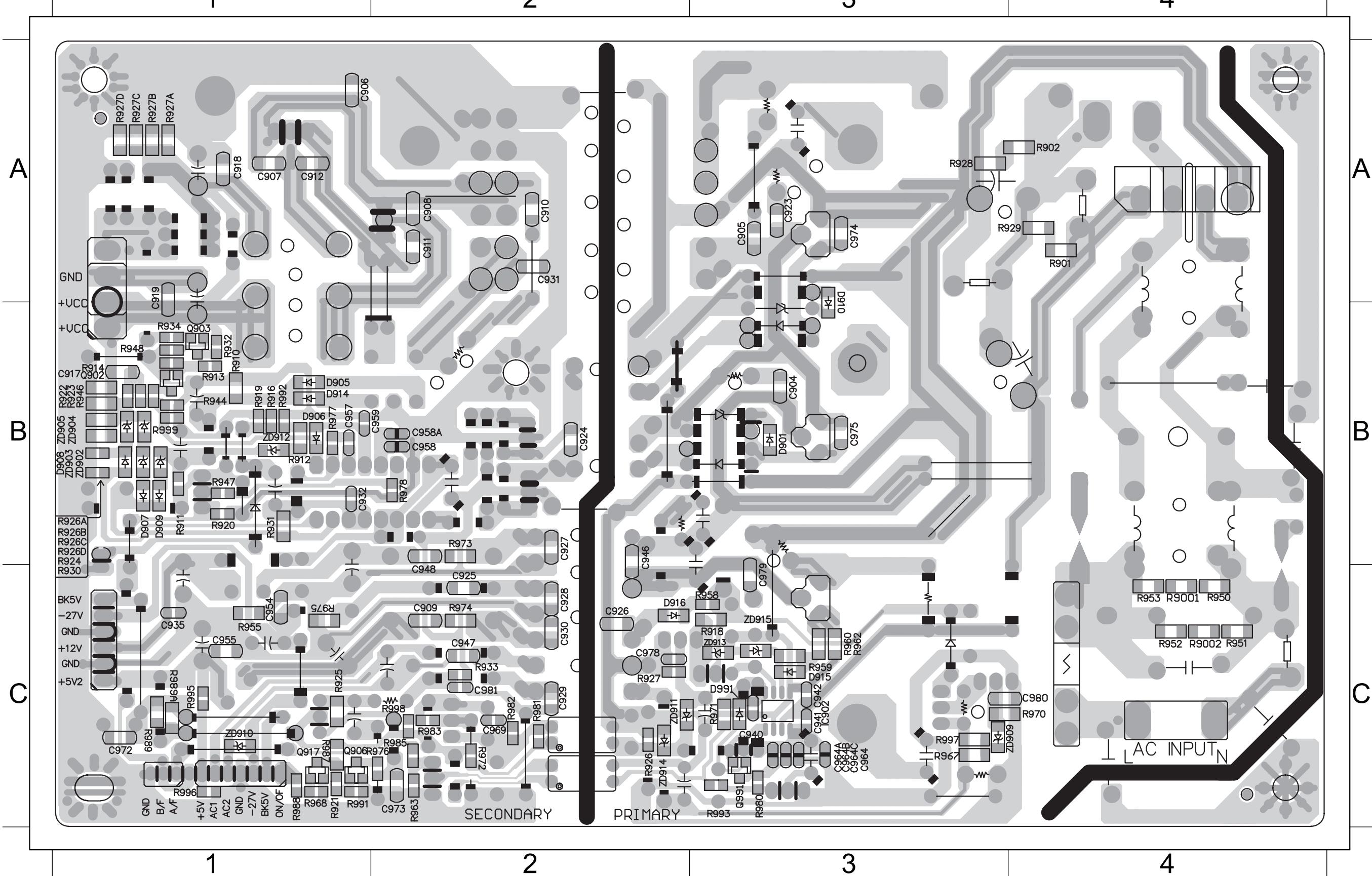
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C919	A1	D910	A3	C932	B1	D914	B1	R922	B1	R926DB1	ZD903B1	C946	B2	R978	B2	C972	C1	R968	C1	R991	C1	C928	C2	D916	C2	R982	C2	C942	C3	D991	C3	R960	C3	ZD913C3	R952	C4	
C908	A2	R928	A3	C957	B1	R910	B1	R923	B1	R930	B1	ZD904B1	C948	B2	C904	B3	Q906	C1	R975	C1	R995	C1	C929	C2	R927	C2	R983	C2	C964	C3	IC902C3	R962	C3	C980	C4	R953	C4
C910	A2	R901	A4	D905	B1	R911	B1	R924	B1	R931	B1	ZD905B1	C958	B2	D901	B3	Q917	C1	R987	C1	ZD910C1	C930	C2	R972	C2	ZD911C2	C964AC3	Q991	C3	R967	C3	R9001C4	R970	C4			
C911	A2	R902	A4	D907	B1	R912	B1	R926AB1	R944	B1	ZD912B1	C958AB2	C935	C1	R921	C1	R988	C1	C909	C2	C969	C2	R974	C2	ZD914C2	C964BC3	R918	C3	R993	C3	R9002C4						
C931	A2	R929	A4	D908	B1	R916	B1	R926BB1	R977	B1	C924	B2	C959	B2	C954	C1	R925	C1	R989	C1	C925	C2	R976	C2	C940	C3	C964CC3	R958	C3	R997	C3	R950	C4				

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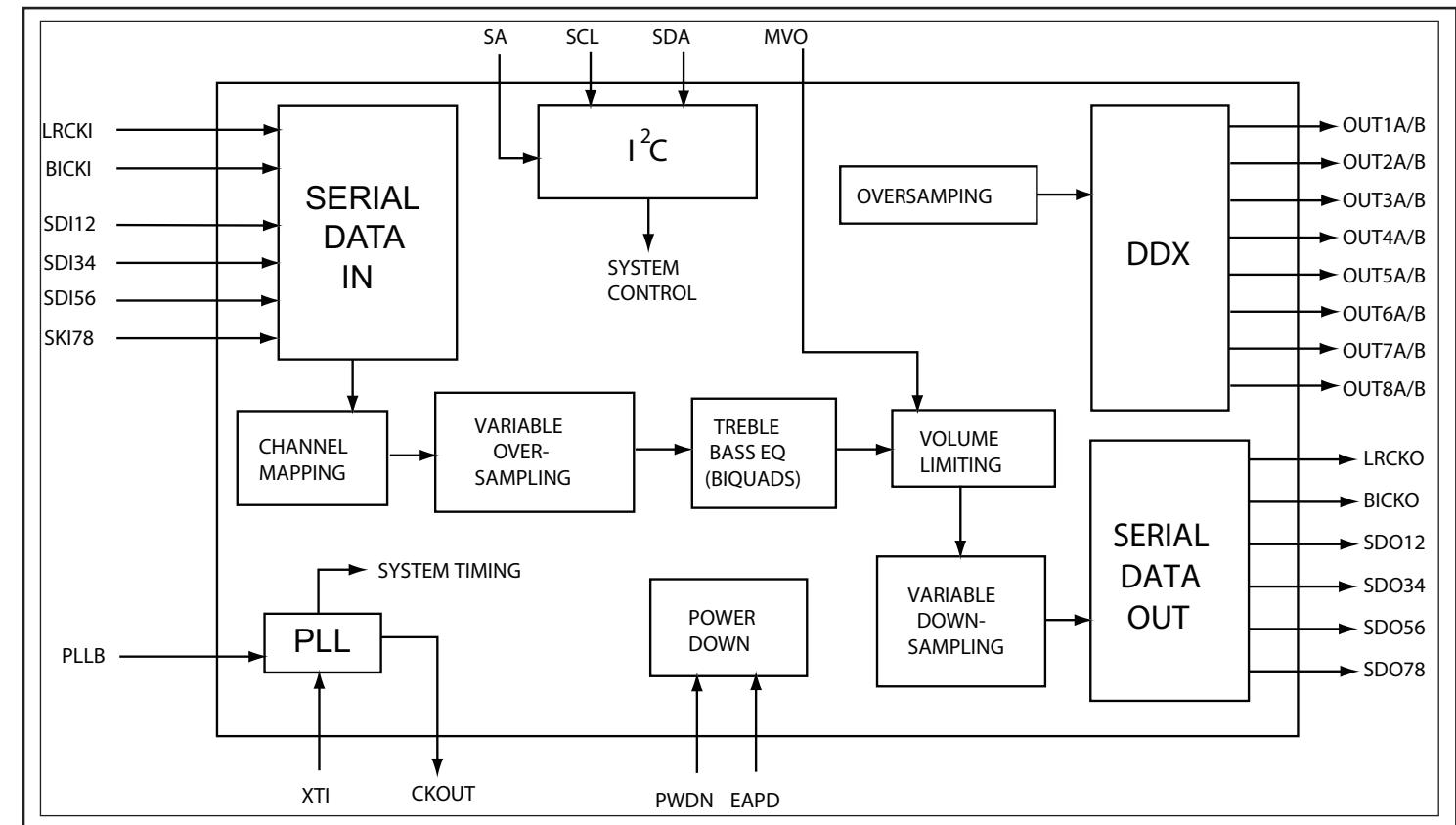


AMP BOARD

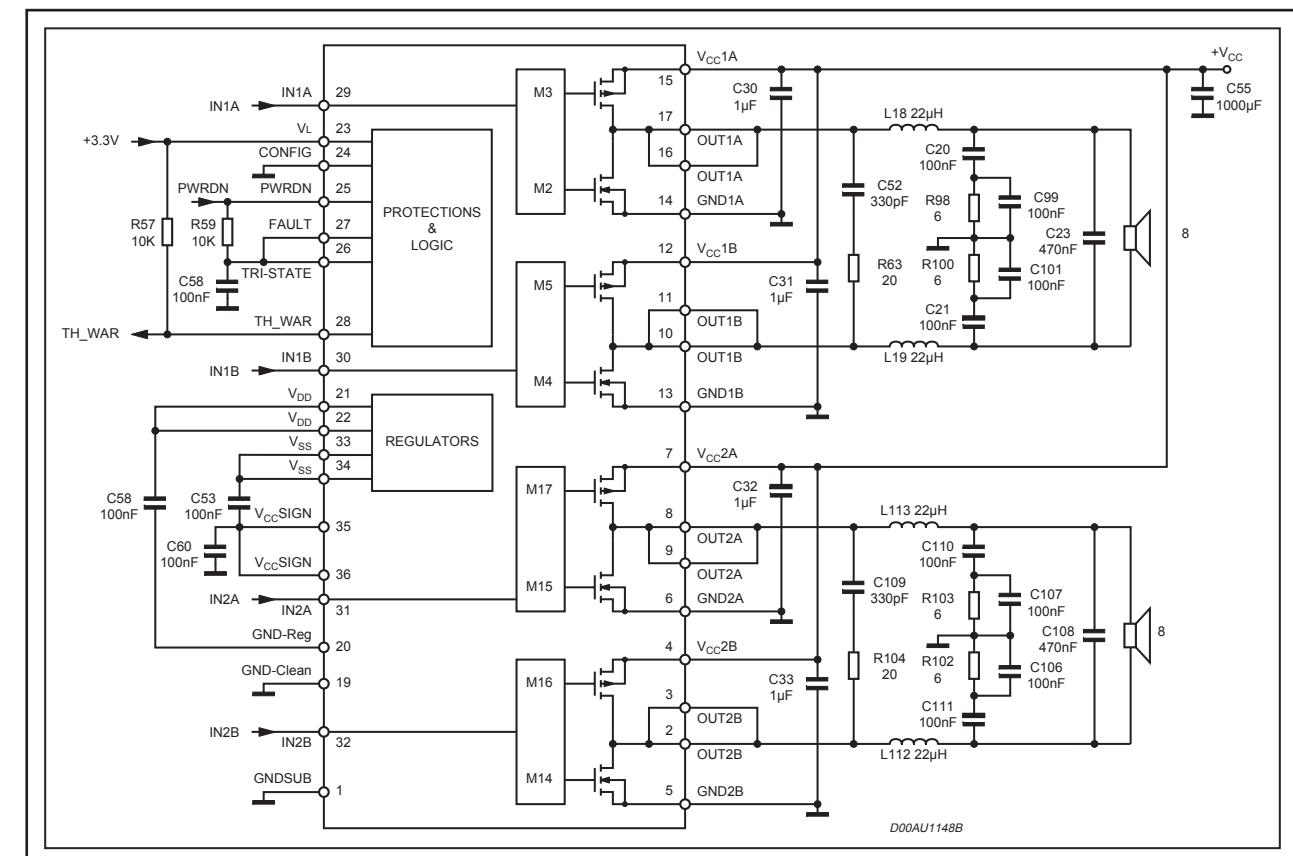
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INTERNAL IC DIAGRAM - STA309A

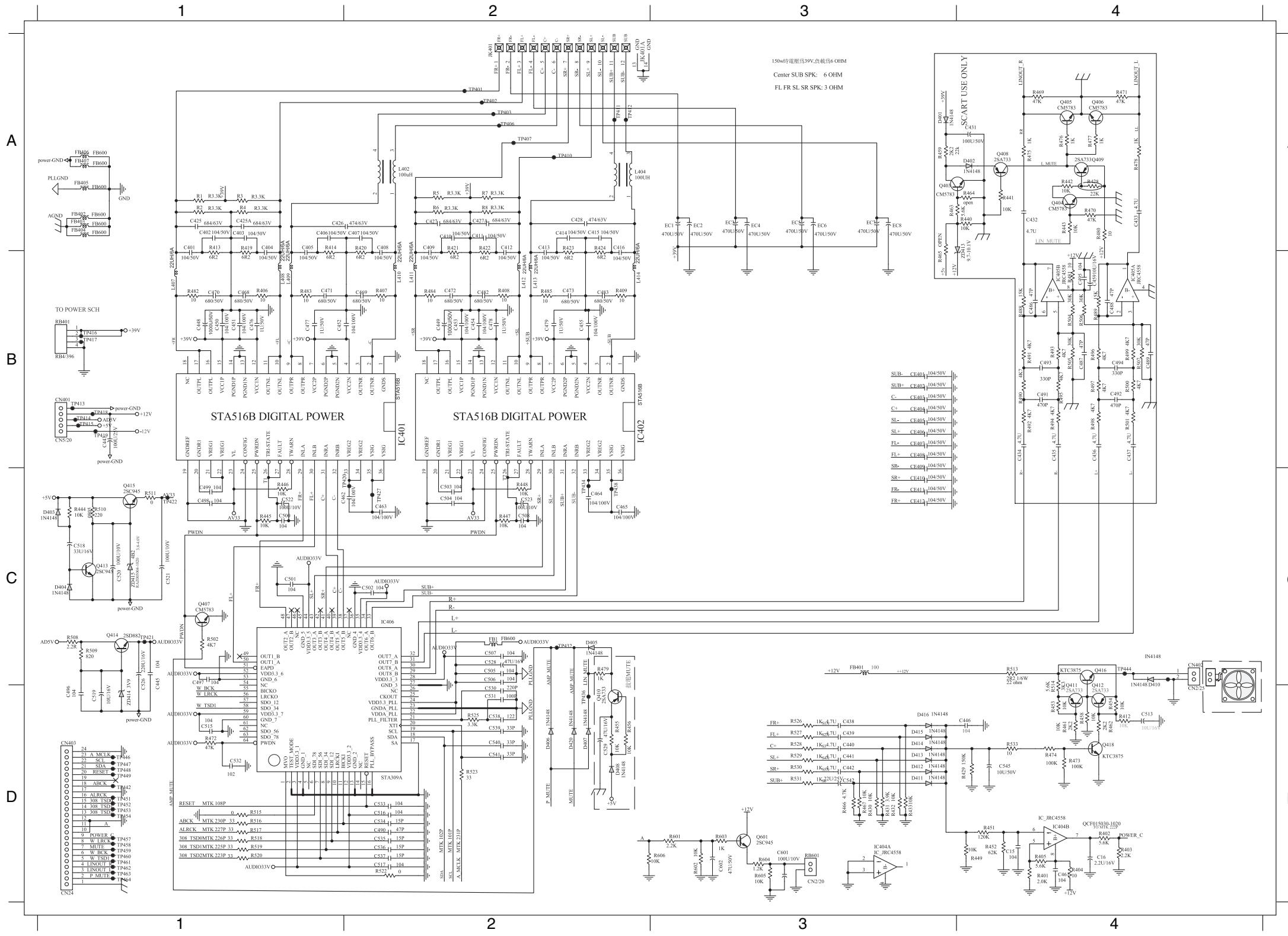


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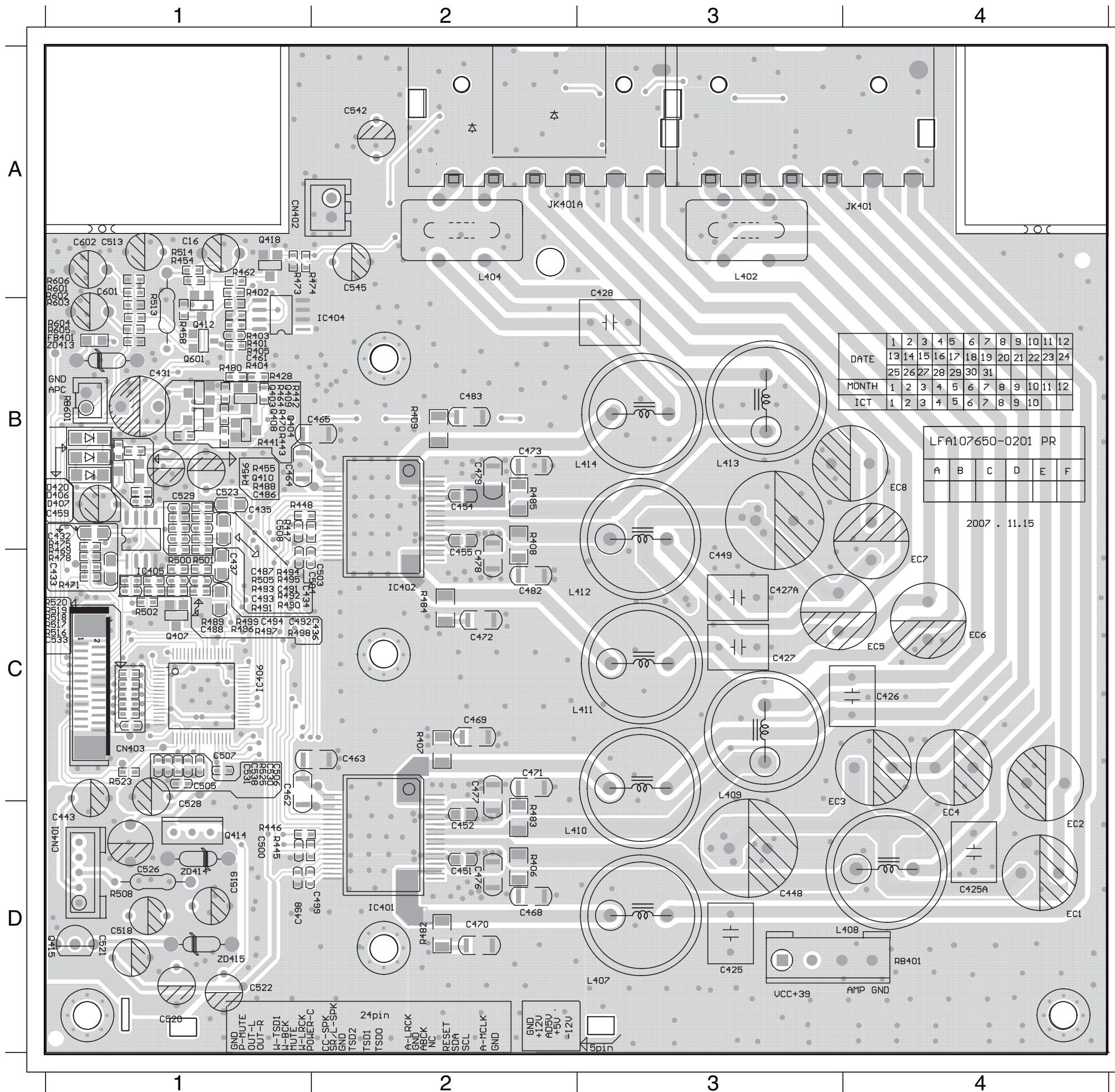


CIRCUIT DIAGRAM

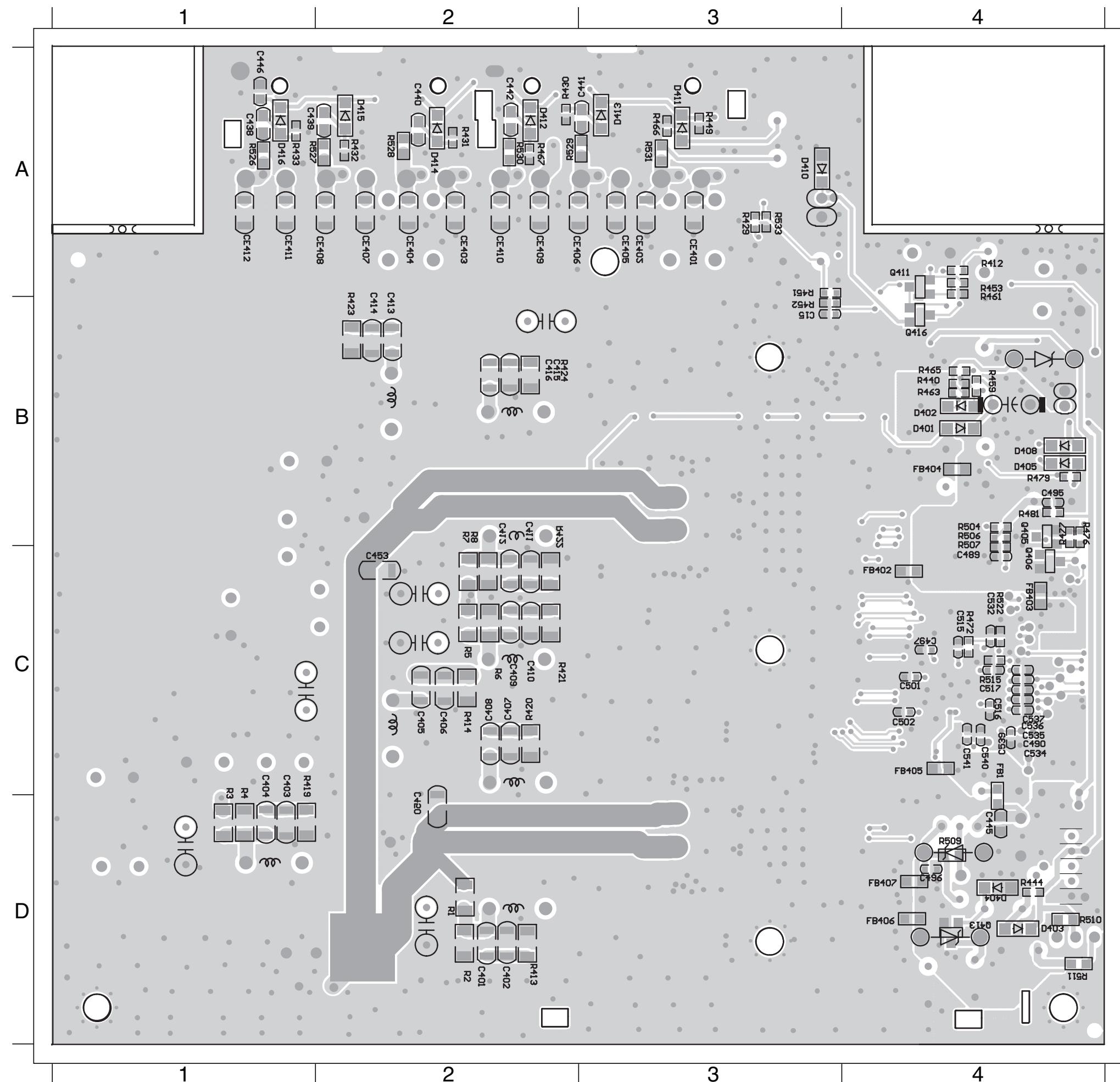
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C16	D4	C413	B2	C441	D3	C461	D4	C478	B2	C504	C2	C522	C1	C539	D2	CE407	B3	D406	D2	EC2	A3	FB406	A1	L410	B2	Q418	D4	R408	B2	R431	D3	R456	D2	R485	B2	R515	D1	R530	D3	ZD414	D1
C401	B1	C414	A2	C442	D3	C462	C2	C479	B2	C505	C2	C523	C2	C540	D2	CE408	B3	D407	D2	EC3	A3	FB407	A1	L411	B2	Q601	D3	R409	B2	R432	D3	R458	D4	R490	B4	R516	D1	R531	D3	ZD415	C1
C402	A1	C415	A2	C443	B1	C463	C2	C482	B2	C506	C2	C526	C1	C541	D2	CE409	C3	D407	D2	EC4	A3	IC401	B1	L412	B2	R1	A1	R412	D4	R433	D3	R461	D4	R495	B4	R517	D1	R533	D4		
C403	A1	C416	B2	C445	C1	C464	C2	C483	B2	C507	C2	C528	C2	C542	D3	CE410	C3	D408	D2	EC5	A3	IC402	B2	L413	B2	R2	A1	R413	B1	R444	C1	R462	D4	R497	B4	R518	D1	R6	A2		
C404	B1	C425	A1	C446	D4	C465	C2	C490	D2	C508	C2	C529	D2	C545	D4	CE411	C3	D410	C4	EC6	A3	IC404	D3	L414	B2	R3	A1	R414	B1	R445	C1	R466	D3	R519	D1	R601	D3				
C405	B1	C425A	A1	C448	B1	C468	B1	C496	D1	C513	D4	C530	D2	C601	D3	CE412	C3	D411	D3	EC7	A3	IC406	C2	Q407	C1	R4	A1	R419	B1	R446	C1	R467	D3	R501	B4	R520	D1	R602	D3		
C406	A1	C426	A1	C449	B2	C469	B2	C497	C1	C515	D1	C531	D2	C602	D3	CN401	B1	D412	D3	EC8	A3	JK401	A2	Q410	D2	R401	D4	R420	B2	R447	C2	R472	D1	R502	C1	R522	D2	R603	D3		
C407	A2	C427	A2	C450	B1	C470	B1	C498	C1	C516	D2	C533	D2	CE401	B3	CN402	C4	D413	D3	FB1	C2	JK401AA2	Q411	D4	R402	D4	R421	B2	R448	C2	R473	D4	R508	C1	R523	D2	R604	D3			
C408	B2	C427A	A2	C451	B1	C471	B1	C499	C1	C517	D2	C534	D2	CE402	B3	CN403	D1	D414	D3	FB401	C3	L402	A2	Q412	D4	R403	D4	R422	B2	R451	D4	R474	D4	R509	C1	R525	D2	R605	D3		
C409	B2	C428	A2	C452	B1	C472	B2	C500	C1	C518	C1	C535	D2	CE403	B3	D403	A3	D415	D3	FB402	A1	L404	A2	Q413	C1	R404	D4	R423	B2	R452	D4	R479	C2	R510	C1	R526	D3	R7	A2		
C410	A2	C438	D3	C453	B2	C473	B2	C501	C1	C519	D1	C536	D2	CE404	B3	D403	A4	D416	D3	FB403	A1	L407	B1	Q414	C1	R405	D4	R424	B2	R453	D4	R482	B1	R511	C1	R527	D3	R8	A2		
C411	A2	C439	D3	C454	B2	C476	B1	C502	C2	C520	C1	C537	D2	CE405	B3	D404	C1	D420	D2	FB404	A1	L408	B1	Q415	C1	R406	B1	R429	D4	R454	D4	R483	B1	R513	C4	R528	D3	RB401	B1		



PCB LAYOUT - TOP VIEW

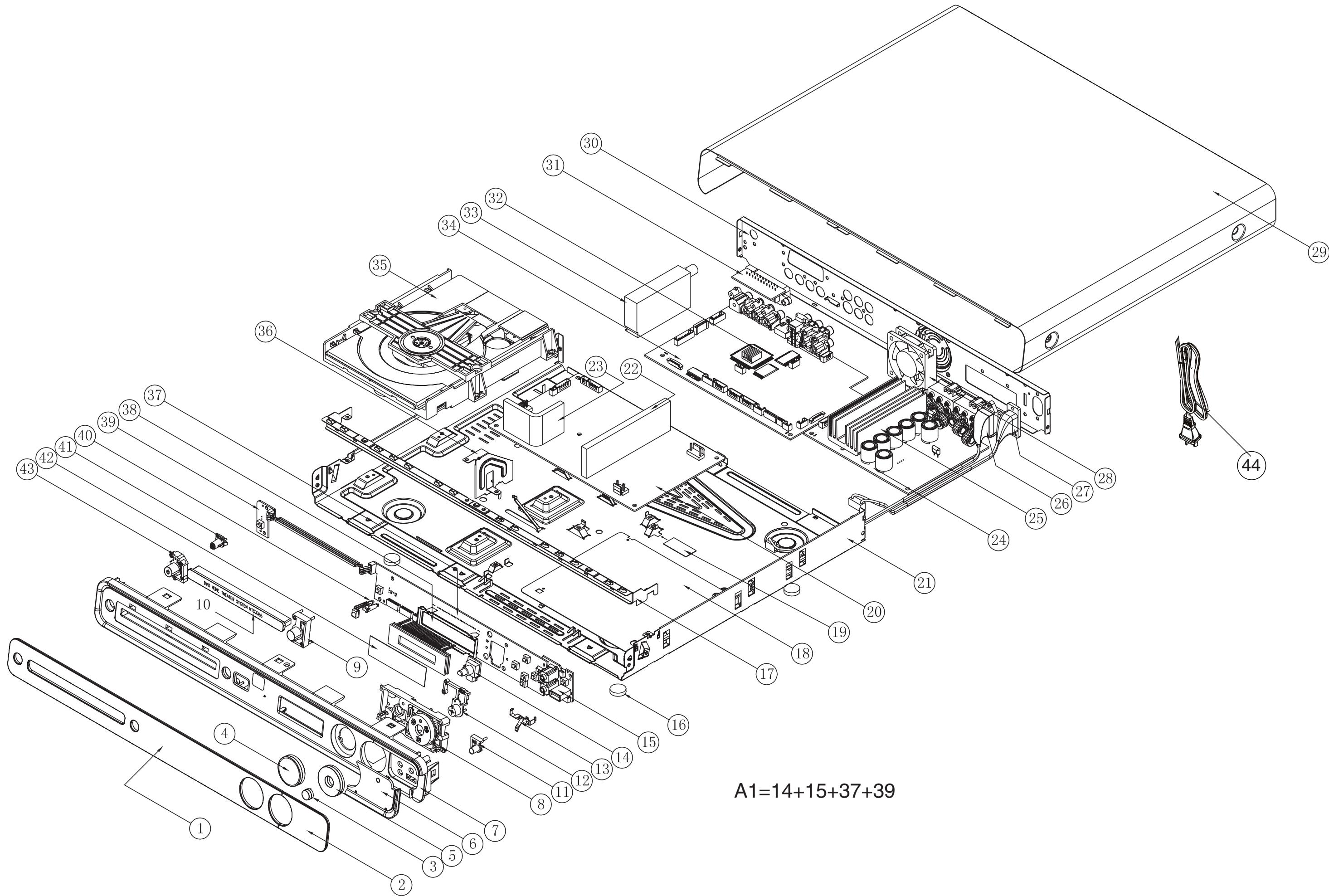


PCB LAYOUT - BOTTOM VIEW



C15	B3	D405	B4	R531	A3
C401	D2	D408	B4	R533	A3
C402	D2	D410	A3	R6	C2
C403	D1	D411	A3	R7	C2
C404	D1	D412	A2	R8	C2
C405	C2	D413	A3		
C406	C2	D414	A2		
C407	C2	D415	A2		
C408	C2	D416	A1		
C409	C2	FB1	C4		
C410	C2	FB402	C4		
C411	C2	FB403	C4		
C412	C2	FB404	B4		
C413	B2	FB405	C4		
C414	B2	FB406	D4		
C415	B2	FB407	D4		
C416	B2	Q411	A4		
C438	A1	Q413	D4		
C439	A2	Q416	B4		
C440	A2	R1	D2		
C441	A3	R2	D2		
C442	A2	R3	D1		
C445	D4	R412	A4		
C446	A1	R413	A4		
C450	D2	R413	D2		
C453	C2	R414	C2		
C490	C4	R419	D1		
C496	D4	R420	C2		
C497	C4	R421	C2		
C501	C4	R422	C2		
C502	C4	R423	B2		
C515	C4	R424	B2		
C516	C4	R429	A3		
C517	C4	R430	A2		
C534	C4	R431	A2		
C535	C4	R432	A2		
C536	C4	R433	A1		
C537	C4	R444	D4		
C539	C4	R451	A3		
C540	C4	R452	B3		
C541	C4	R453	A4		
CE401	A3	R461	A4		
CE402	A3	R466	A3		
CE403	A2	R467	A2		
CE404	A2	R472	C4		
CE405	A3	R479	B4		
CE406	A2	R5	C2		
CE407	A2	R509	D4		
CE408	A2	R510	D4		
CE409	A2	R511	D4		
CE410	A2	R515	C4		
CE411	A1	R522	C4		
CE412	A1	R526	A1		
D403	B4	R527	A2		
D403	B4	R528	A2		
D404	D4	R529	A2		
D404	D4	R530	A2		

MECHANICAL EXPLODED VIEW



MECHANICAL PART LIST

<u>Loc.</u>	<u>12NC.</u>	<u>Description</u>
MECHANICAL PART LIST		
1	996510012484	DISPLAY LENS PMMA
10	996510012857	DVD DOOR
11	996510012488	MIC LEVEL BUTTON
12	996510010838	SOURCE BRACKET
16	996510010842	RUBBER FOOT
18	996510010826	PVC SHEET
19	996510010827	PVC SHEET
2	996510012485	USB DOOR LENS
20	996510015350	POWER PCB
21	996510012217	BOTTOM PANEL
24	996510015061	AMP PCB ASSY
28	996510010843	FAN
29	996510012858	TOP COVER
3	996510010835	SOURCE BUTTON PC PMMA
30	996510012859	REAR PANEL
33	996510011275	TUNER PACK
34	996510017272	MAIN PCB ASSY
35	996510010819	DVD LOADER
V3	996510007319	FFC CABLE 24P 180MM
4	996510010833	VOLUME KNOB PMMA PC
41	996510010840	STANDBY LENS
43	996510010836	POWER KEY
44	996510002650	POWER CORD
5	996510010832	FUNCTION BUTTON
6	996510010829	USB DOOR
7	996510012486	FRONT PANEL
8	996510010837	FUNCTION BRACKET
9	996510010834	EJECT KEY
A1	996510014546	VFD+JACK+VOL+STANDBY PCB
FM	994000002731	FM ANTENNA 1500MM
LSCREW	996510017273	SCREW
RC	996510012491	REMOTE CONTROL
V1	996510000673	FFC CABLE 10P 100MM P1.25MM
V2	996510011292	FFC CABLE 24P 50mm
VIDEO	996500013058	RCA CABLE 2P 1.2M

Speaker

RFC	996510001599	RUBBER FOOT -CENTER SPK
RFF	996510001601	RUBBER FOOT - REAR SPK
RFR	996510012224	RUBBER FOOT - REAR
RFS	996510010854	RUBBER FOOT -SUB
SPKC	996510017274	SPEAKER BOX -CENTER
SPKFL	996510017275	SPEAKER BOX -FRONT LEFT
SPKFR	996510017276	SPEAKER BOX - FRONT RIGHT
SPKRL	996510017277	SPEAKER BOX- REAR LEFT
SPKRR	996510017278	SPEAKER BOX- REAR RIGHT
SUBW	996510017279	SUBWOOFER

REVISION LIST

Version 1.0
*Initial release