DVD Player

DVP3136/94

Service

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Service Manual

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CLASS 1 LASER PRODUCT

Published by TCL-HY 0707 Service Audio Printed in The Netherlands Subject to modification

GB 3139 785 32840

Version 1.0

PHILIPS

Technical Specifications

TV standard (PAL/50Hz) (NTSC/60Hz)

Number of lines	625	525
Playback	Multi standard	(PAL/NTSC)

Video performance

Video DAC	14 bit
YPbPr	0.7Vpp ---- 75 ohm
Video output	1Vpp ----- 75 ohm

Video format

Digital Compression	MPEG 2 for DVD,SVCD
	MPEG 1 for VCD

DVD	**50Hz**	**60Hz**
Horiz resolution	720 pixels	720 pixels
Vertical resolution	576lines	480 lines

VCD	**50Hz**	**60Hz**
Horiz. resolution	352 pixels	352 pixels
Vertical resolution	288lines	240 lines

Audio format

Digital	**MPEG/AC-3/ PCM**	**Compressed Digital 16, 20, 24bits** fs, 44.1, 48, 96kHz
	MP3(ISO 9660)	96,112,128,256kbps & variable bit rate fs,32, 44.1,48 kHz

Analogue Sound Stereo
Dolby surround compatible downmix from Dolby Digital multi-channel sound

Audio performance

DA converter	24bits, 192KHz	
DVD	fs 96kHz	4Hz----44kHz
	fs 48kHz	4Hz----22kHz
SVCD	fs 48kHz	4Hz----22kHz
	fs 44.1kHz	4Hz----20kHz
CD/ VCD	fs 44.1kHz	4Hz----20kHz
Line Output		
Signal-Noise (1kHz)		>70dB
Dynamic Range (1kHz)		>60dB
Cross talk (1kHz)		>70dB
Distortion/Noise (1kHz)		>65dB

Spearker Output

Signal-Noise(1KHz)	>70dB
Dynamic range(1KHz)	>60dB
Crosstalk (1KHz)	>60dB
Distortlon/noise(1KHz)	>-62dB
Speaker Power Output	
@10%THD 6Ω	<=10W rms/ch
	(2 channels)
Frequency Response	20Hz-20kHz
MPEG MP3	MPEG Audio L3

Connections

YPbPr output	Cinch 3x
Video output	Cinch(yellow)
Audio output (L+R)	Cinch (white/red)
Digital output	1 coaxial
	IEC60958 for CDDA/ LPCM
	IEC61937 for MPEG1/2

6 channal analog output	
Audio Front L/R	Clinch (white/red)
Audio Rear L/R	Clinch (white/red)
Audio Center	Clinch (blue)
Audio Subwoofer	Clinch (black)
2 channel speaker output	
Audio+RCH-Clip (red/black)	
Audio+LCH-Clip (red/black)	

Cabinet

Dimensions (w X h X d)	360 x 37 x 237mm
Weight	Approximately 2kg

Power consumption

Power supply Rating	110V -240V;
	50/60HZ
Power consumption	<12W
Power consumption in standby mode	<2W
Standby mode	

Specifications subject to change without prior notice.

Safety instruction, Warning & Notes

Safety instruction

1. General safety

Safety regulations require that during a repair:

. Connect the unit to the mains via an isolation transformer.

. Replace safety components indicated by the symbol ⚠, only by components identical to the original ones. Any other component substitution (other than original type) may increase risk of fire or electrical shock hazard.

Safety regulations require that after a repair, you must return the unit in its original condition. Pay, in particular, attention to the following points:

. Route the wires/cables correctly, and fix them with the mounted cable clamps.

. Check the insulation of the mains lead for external damage.

. Check the electrical DC resistance between the mains plug and the secondary side:

1) Unplug the mains cord, and connect a wire between the two pins of the mains plug.
2) Set the mains switch the "on" position (keep the mains cord unplug).
3) Measure the resistance value between the mains plug and the front panel, controls, and chassis bottom.
4) Repair or correct unit when the resistance measurement is less than 1MΩ.
5) Verify this, before you return the unit to the customer/user (ref. UL-standard no. 1492).
6) Switch the unit "off", and remove the wire between the two pins of the mains plug.

2.Laser safety

This unit employs a laser. Only qualified service personnel may remove the cover, or attempt to service this device (due to possible eye injury).

Laser device unit

Type : Semiconductor laser GaAlAs

Wavelength : 650nm (DVD)

: 780nm (VCD/CD)

Output power : 7mW (DVD)

: 10mW (DVD /CD)

Beam divergence: 60 degree

Note: Use of controls or adjustments or performance of procedure other than those specified herein, may result in hazardous radiation exposure. Avoid direct exposure to beam.

Warning

1.General

. All ICs and many other semiconductors are susceptible to electrostatic discharges (ESD). Careless handing during repair can reduce life drastically. Make sure that, during repair, you are at the same potential as the mass of the set by a wristband with resistance. Keep components and tools at this same potential. Available ESD protection equipment:

1) Complete kit ESD3 (small tablemat, wristband, connection box, extension cable and earth cable) 4822 310 10671.
2) Wristband tester 4822 344 13999.

. Be careful during measurements in the live voltage section. The primary side of the power supply , including the heat sink, carries live mains voltage when you connect the player to the mains (even when the player is “off”!). It is possible to touch copper tracks and/or components in this unshielded primary area, when you service the player. Service personnel must take precautions to prevent touching this area or components in this area. A “lighting stroke” and a stripe-marked printing on the printed wiring board, indicate the primary side of the power supply.

. Never replace modules, or components, while the unit is “on”.

2. Laser

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

. Only qualified service personnel may remove the cover or attempt to service this device, due to possible eye injury.

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

. Text below is placed inside the unit, on the laser cover shield:

CAUTION: VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN, AVOID EXPOSURE TO BEAM.

Notes

Lead-Free requirement for service

INDENTIFICATION:

Regardless of special logo (not always indicated) 

One must treat all sets from 1.1.2005 onwards, according next rules.

Important note: In fact also products a little older can also 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, 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 highest 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. This will be communicated via AYS-website.
  Do not re-use BGAs at all.
- For sets produced before 1.1.2005, containing leaded soldering-tin 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.

Mechanical and Dismantling Instructions

Dismantling Instruction

The following guideline is a general instruction for how to dismantle the player, Detailed operation done according the set unit.
Step1: Remove 5 screws around the Top Cover, then remove the Top Cover (Figure 1).

Figure 1

Step2: If it is necessary to dismantle Loader or Front Panel, It should be remove the Front door assembly first. (Figure 2)
Note: Make sure to operate gently otherwise the guider would be damaged.

Please kindly note that dismantle the front door assembly carefully to avoid damage tray and the front door assembly.

Figure 2

Mechanical and Dismantling Instructions

Dismantling Instruction

Step3: If the tray can't open in normal way, you can make it through the instruction as below (Figure 3).
Note: Make sure to operate gently otherwise the guider would be damaged.

Figure 3

Step4: Dismantling Loader, disconnect the 3 connectors aiming in the below figure, and remove screw around the Loader. (Figure 4)

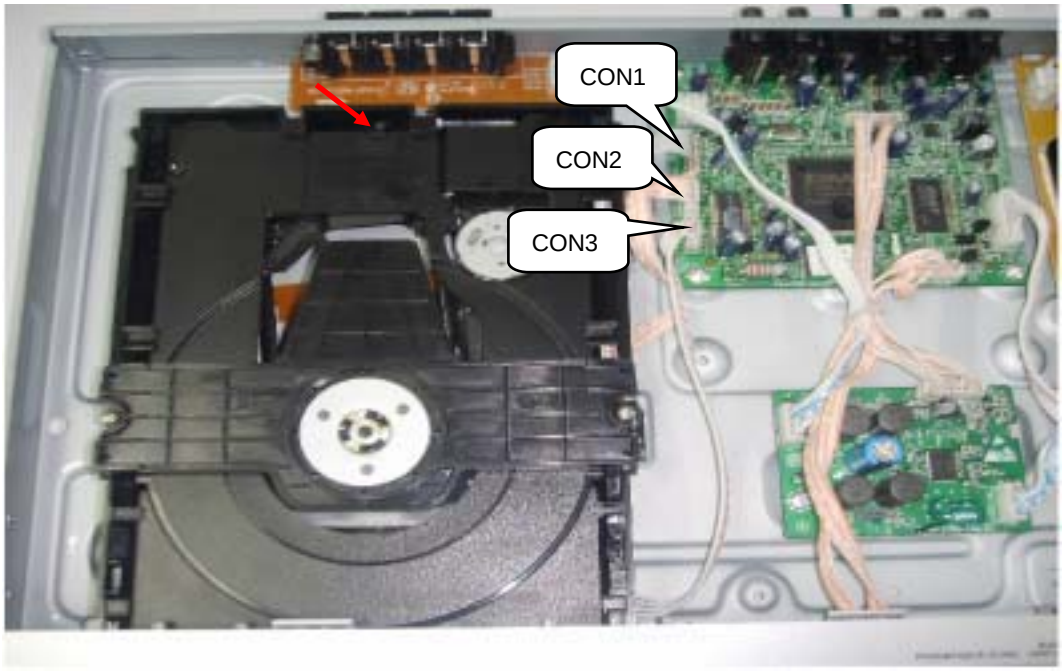


Figure 4

Mechanical and Dismantling Instructions

Dismantling Instruction

Step5: Dismantling Front Panel, disconnect the 1 connector, then release the snaps on the both sides of Front Panel and bottom cabinet , then gently pull the Panel out from the set. (Figure 5 & 6 & 7)

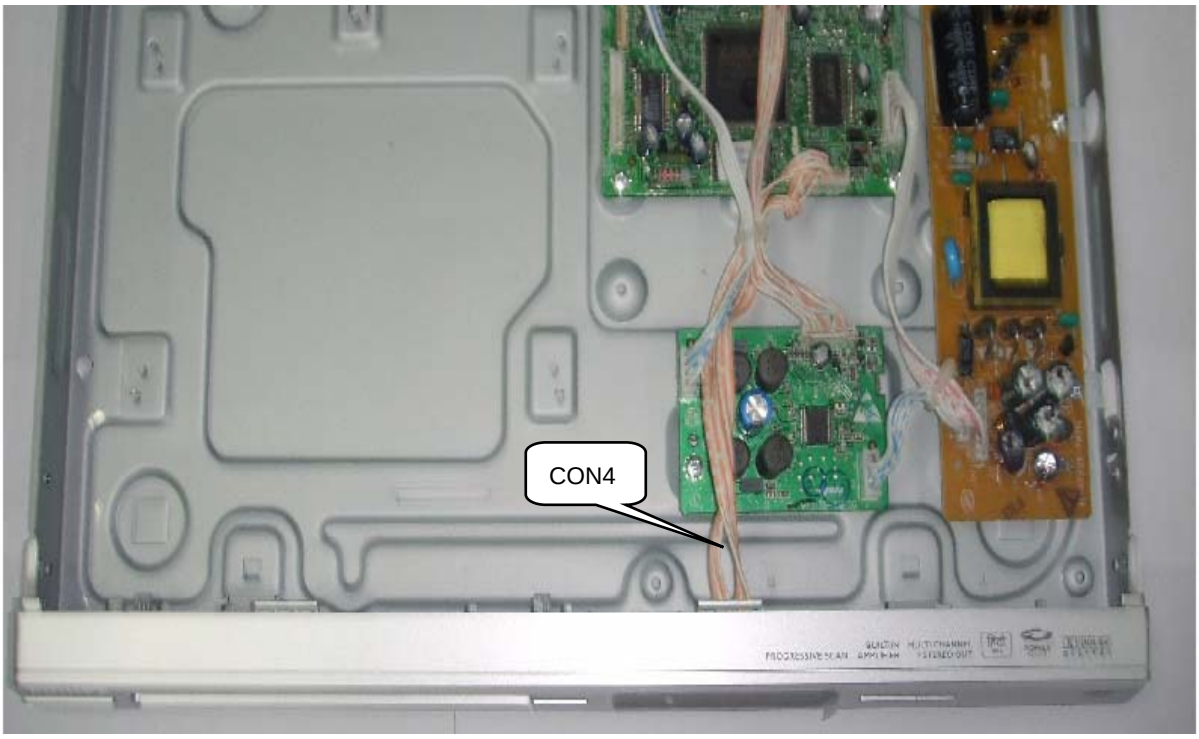


Figure 5

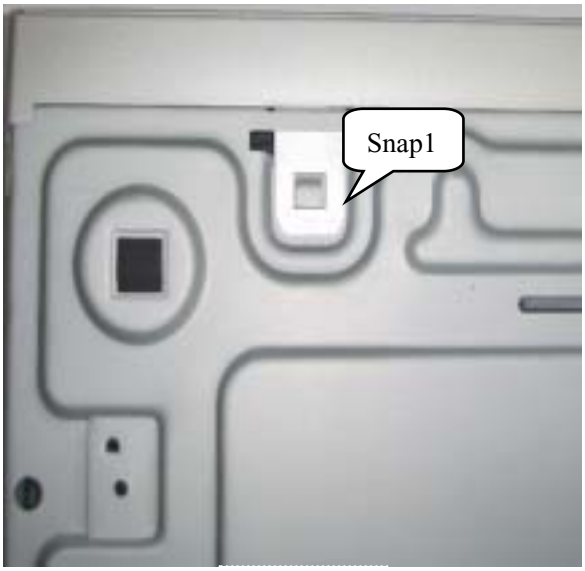


Figure 6

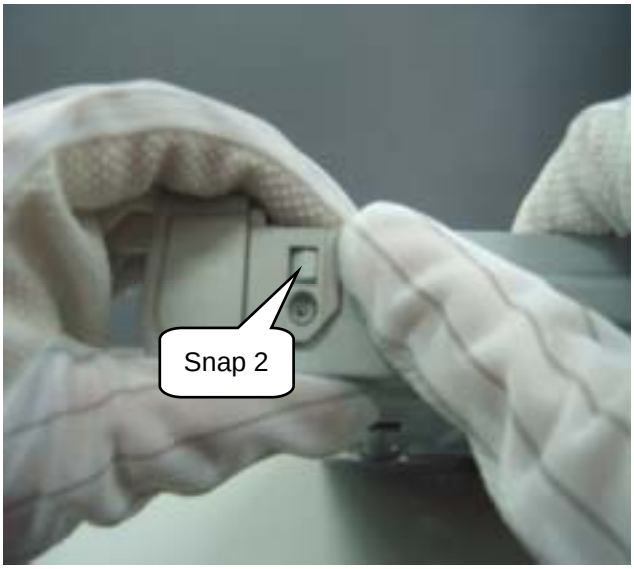


Figure 7

Mechanical and Dismantling Instructions

Dismantling Instruction

Step6: Dismantling Amplifier Board, first disconnect the 3 connector, then remove 1 screw. (Figure 8)

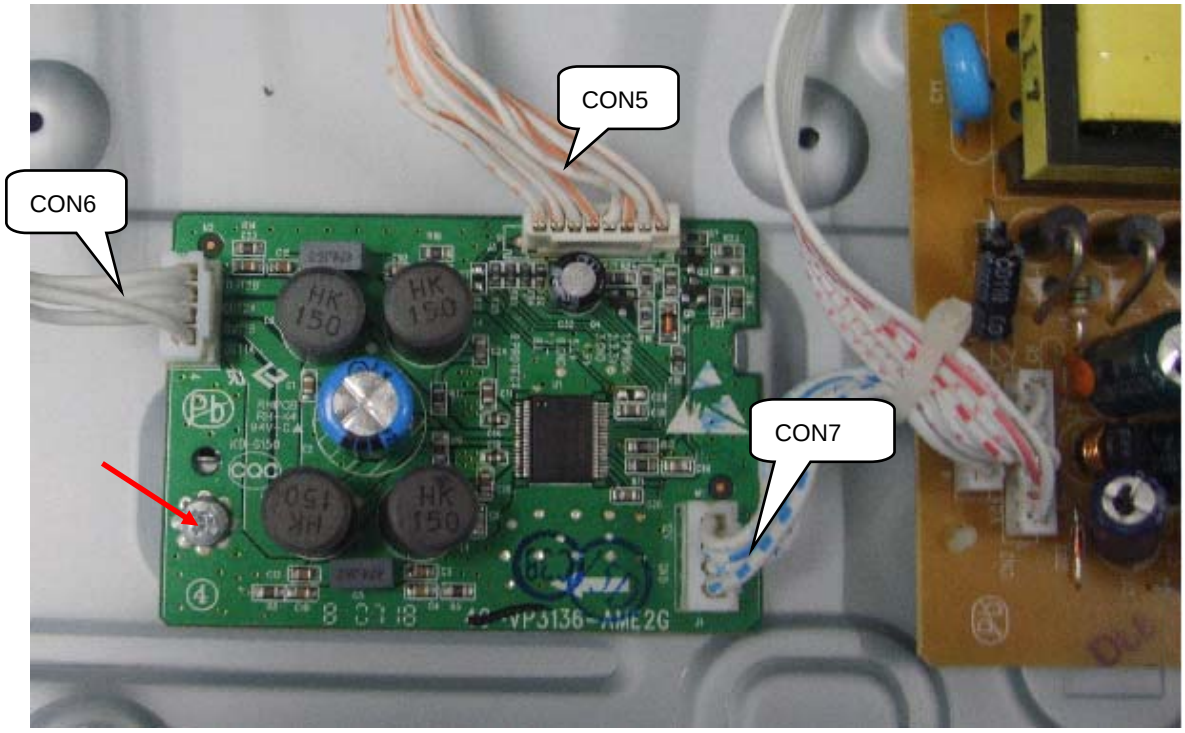


Figure 8

Step7: Dismantling Main Board, first disconnect the 1 connector, then remove 5 screws to remove the Main board. (Figure 9)

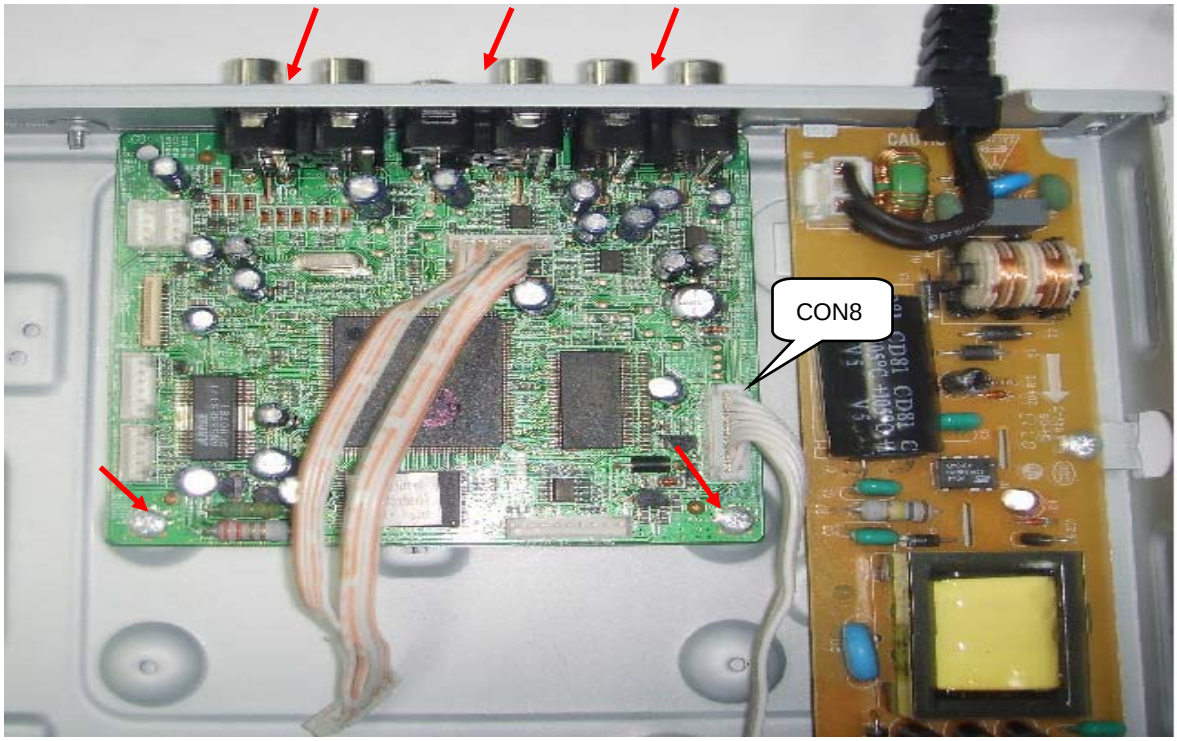


Figure 9

Mechanical and Dismantling Instructions

Dismantling Instruction

Step8: Remove the 2 screws on Power Board to dismantle the Power Board. (Figure 10)

Figure 10

ATTENTION OF REPAIRING

Make sure adding silicon glue to fix the capacitor C4 after repairing, (Avoid the hazard of C4 touching the Top Cover.)
（Figure11）

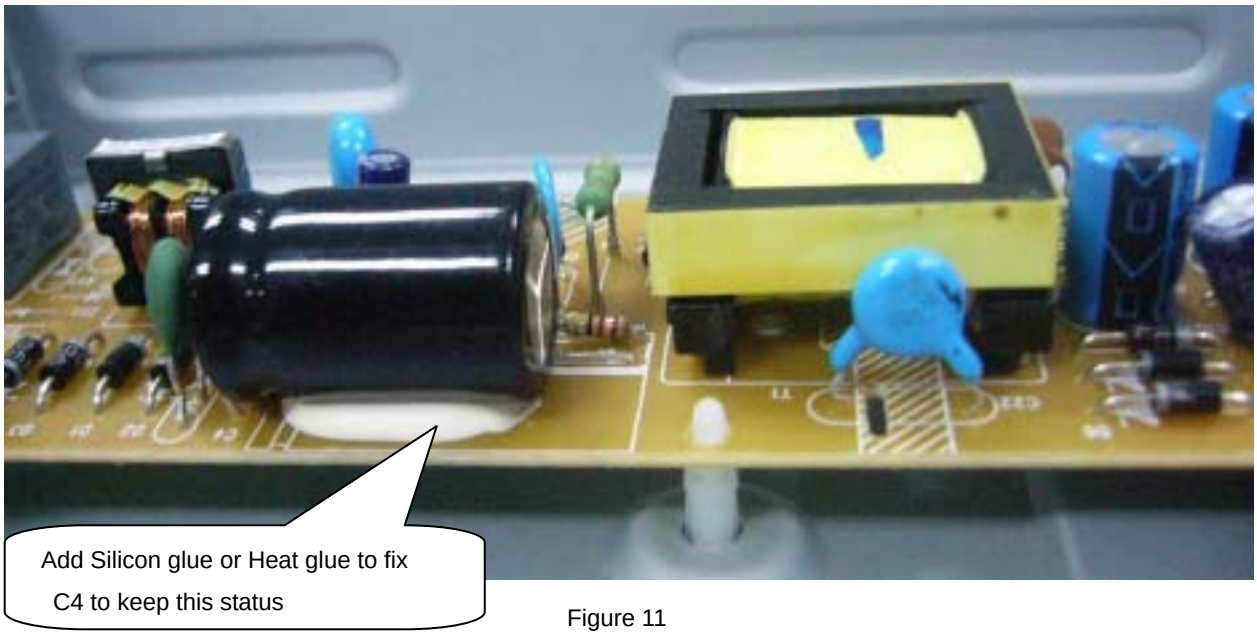


Figure 11

Mechanical and Dismantling Instructions

Dismantling Instruction

Step9: Remove the 2 screws on Input/Output Board to dismantle the Input/Out Board. (Figure 12)

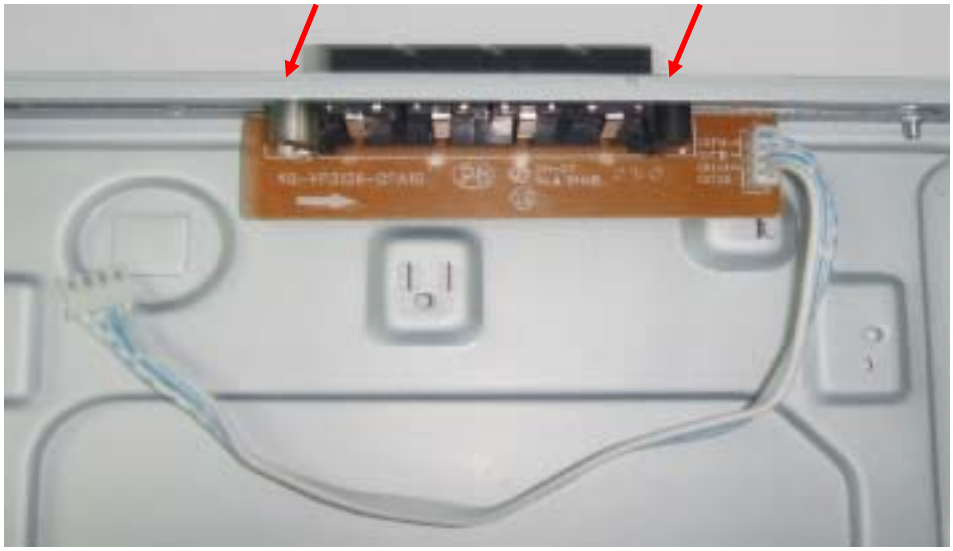


Figure12

Software upgrade

Preparation to upgrade software

1) Start the CD Burning software and create a new CD project (Data Disc) with the following setting:
   Label: DVP3XXX (No need the label name)

Note: It is required capital letter for the File System name, and it no need have the File name during start the CD burning software for Zoran project.

2) Burn the data onto a blank CDR

A. Procedure for software upgrade:

1) Power on the set and insert the prepared Upgrade CDR.
2) The set will starts reading disc & response with the following display TV screen:

   Loading

   Firmware Upgrade Erase and program.

   Start Cancel

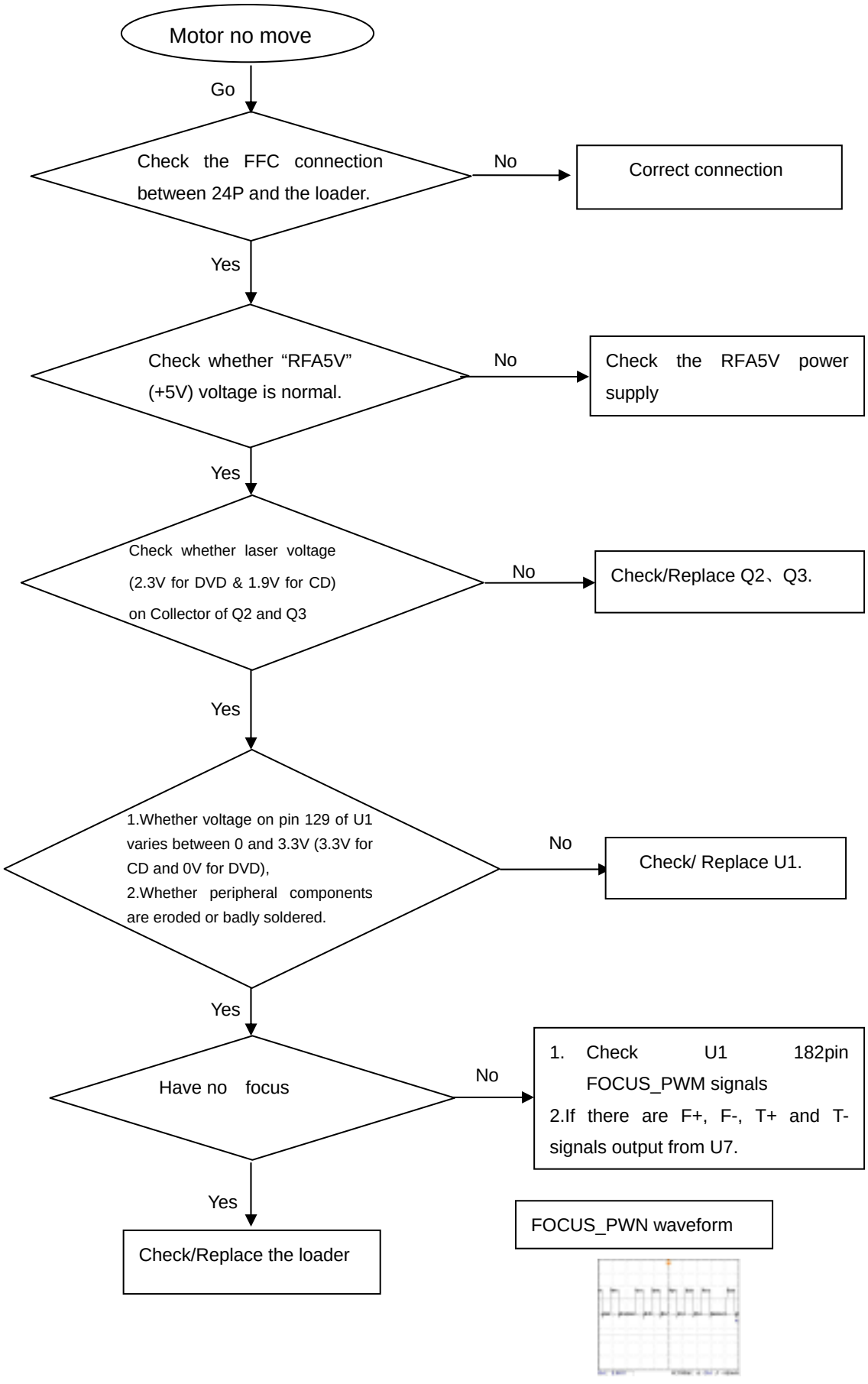
   Select Start to start upgrade.
3) Press <OK> button to confirm, then screen will display :
   Firmware Upgrade Programming, Please Wait...
   Do not Switch the Player Off !
4) The upgraded disc will automatically out when files coping complete, then take out the disc.
5) About 1 minute later, the tray will automatically close when upgrading complete.

B. Read out the software versions to confirm upgrading

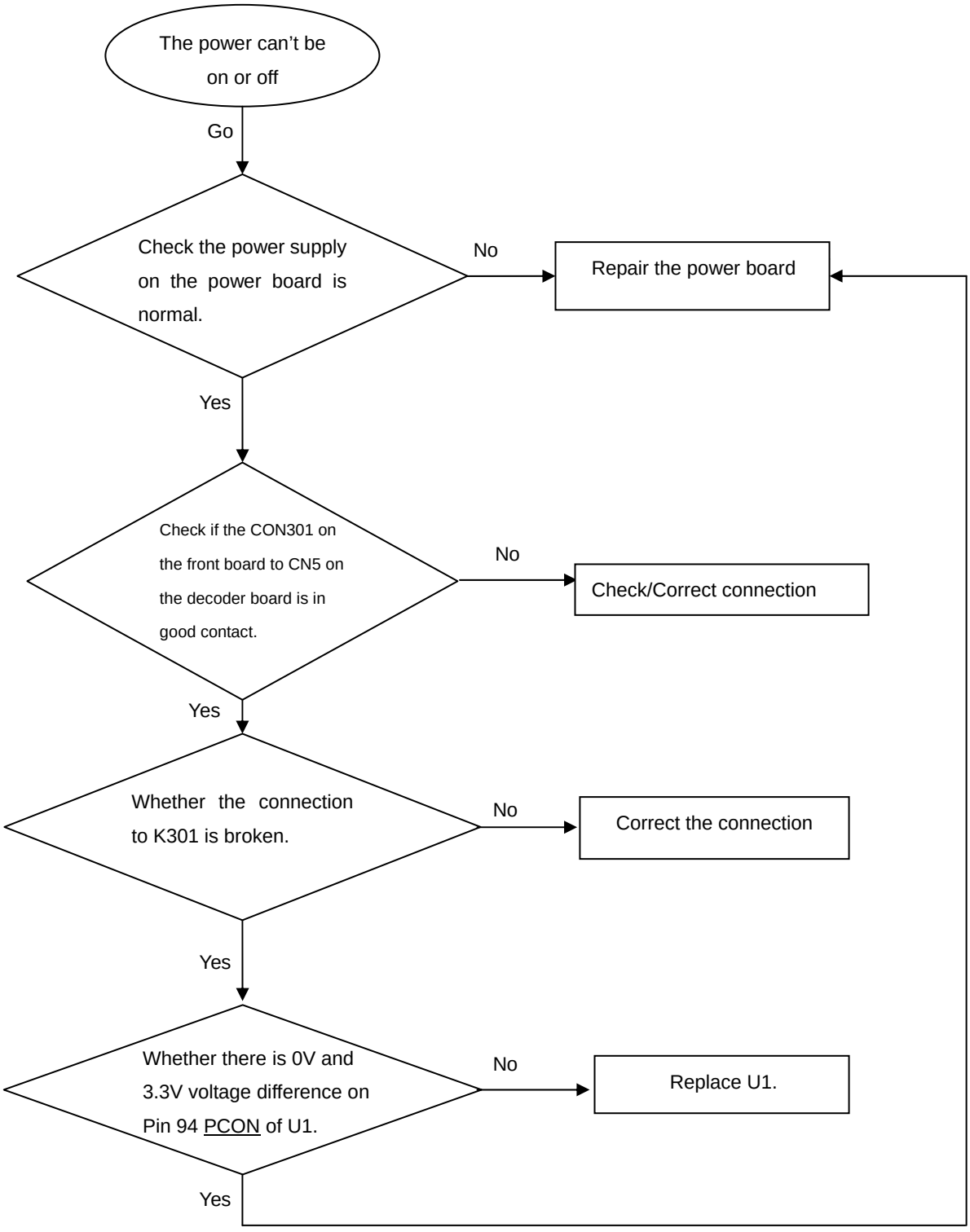
1) Power on e set and Open the tray door.
2) Press <9><6><6>button to check the software information.
   The software version and other information are display on the TV screen as follows:
   BE Version: DVP3XXXXX_XX.XX
   FE Version: DCX.XXXXXX.XX.XX
   DSP Version: DSP.XX
   Region Code: X

Caution: The set must not be power off during upgrading, Otherwise the Main board will be damaged entirely.

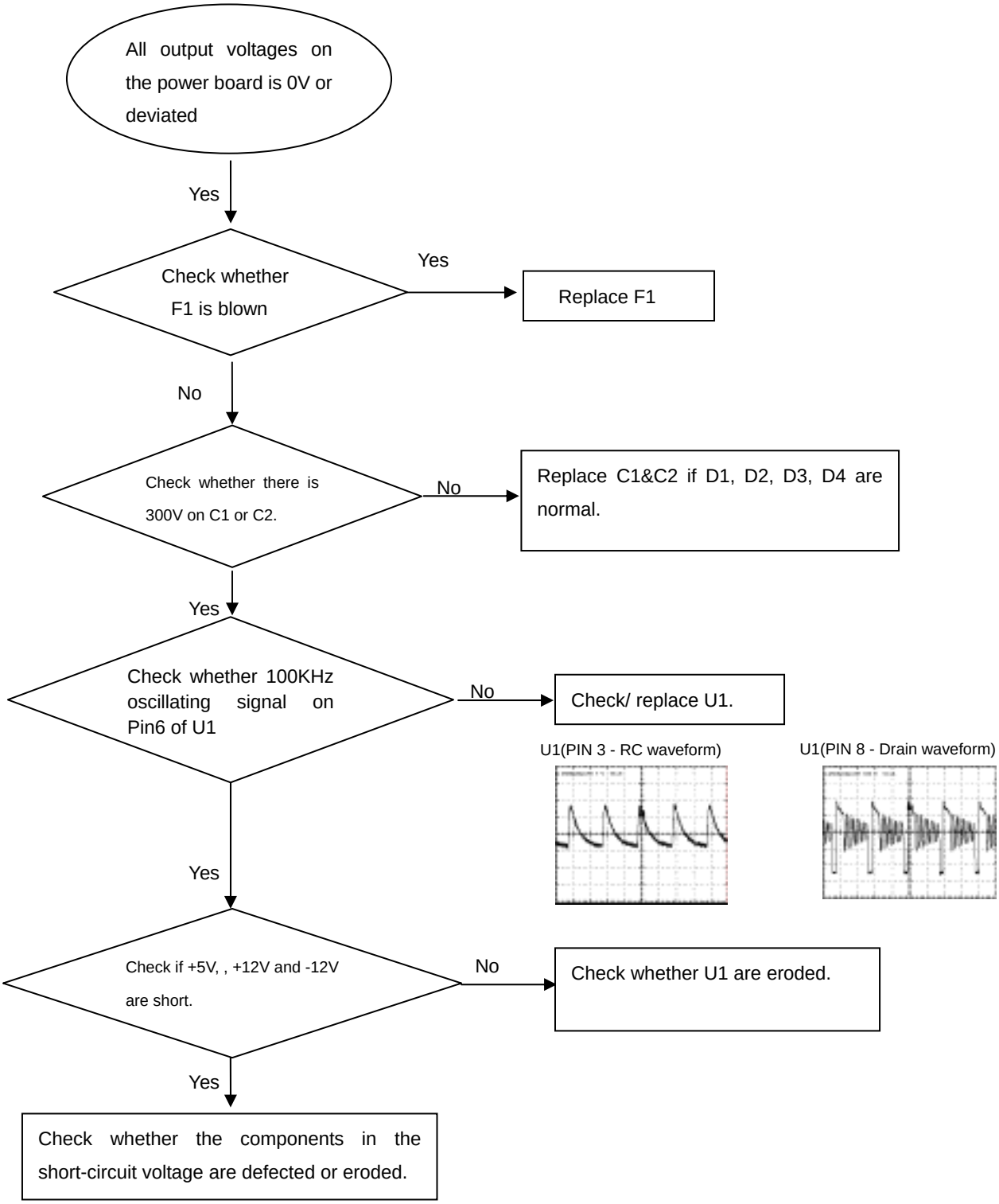
Spindle motor does not move



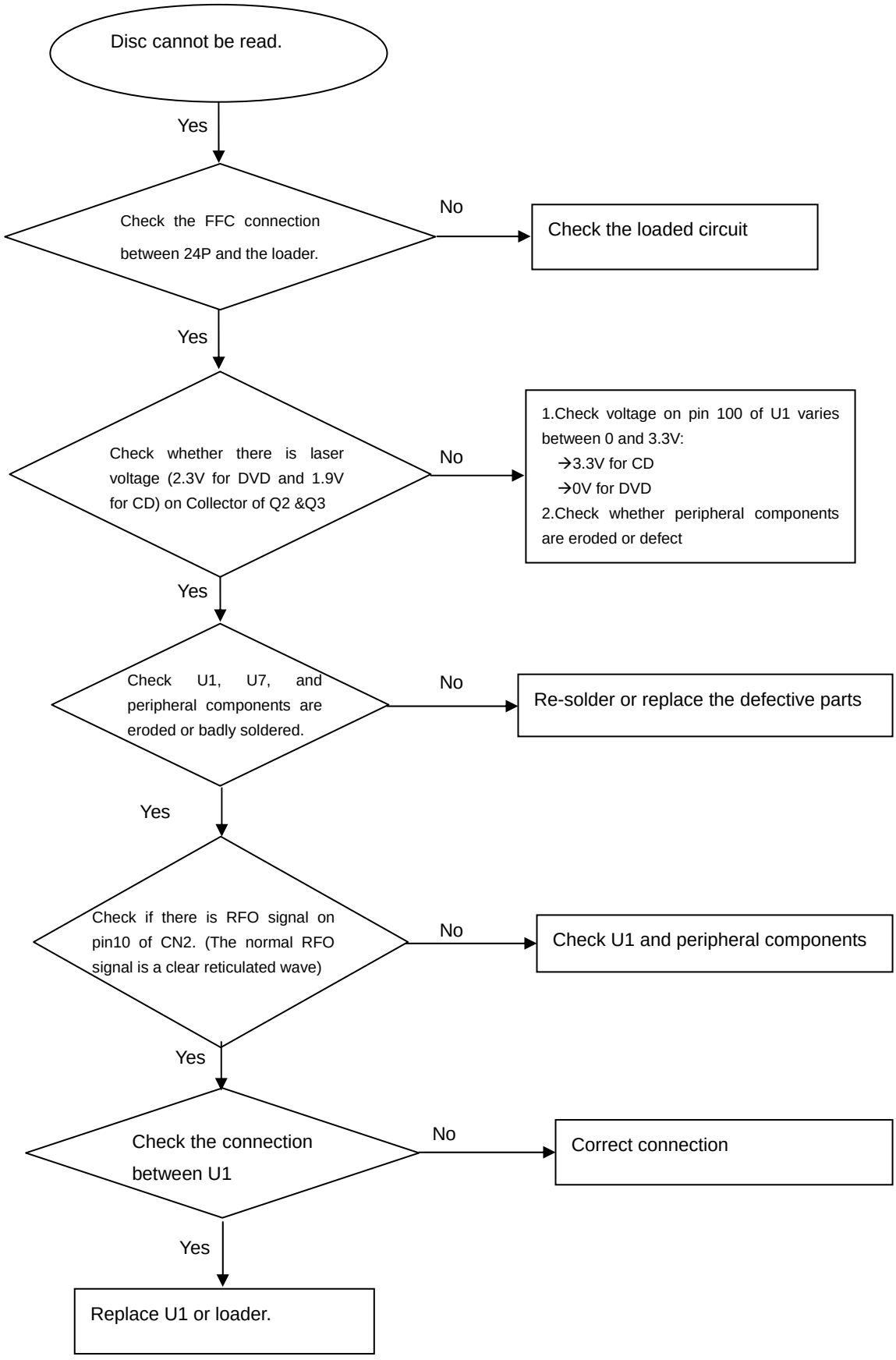
The power can not be on or off



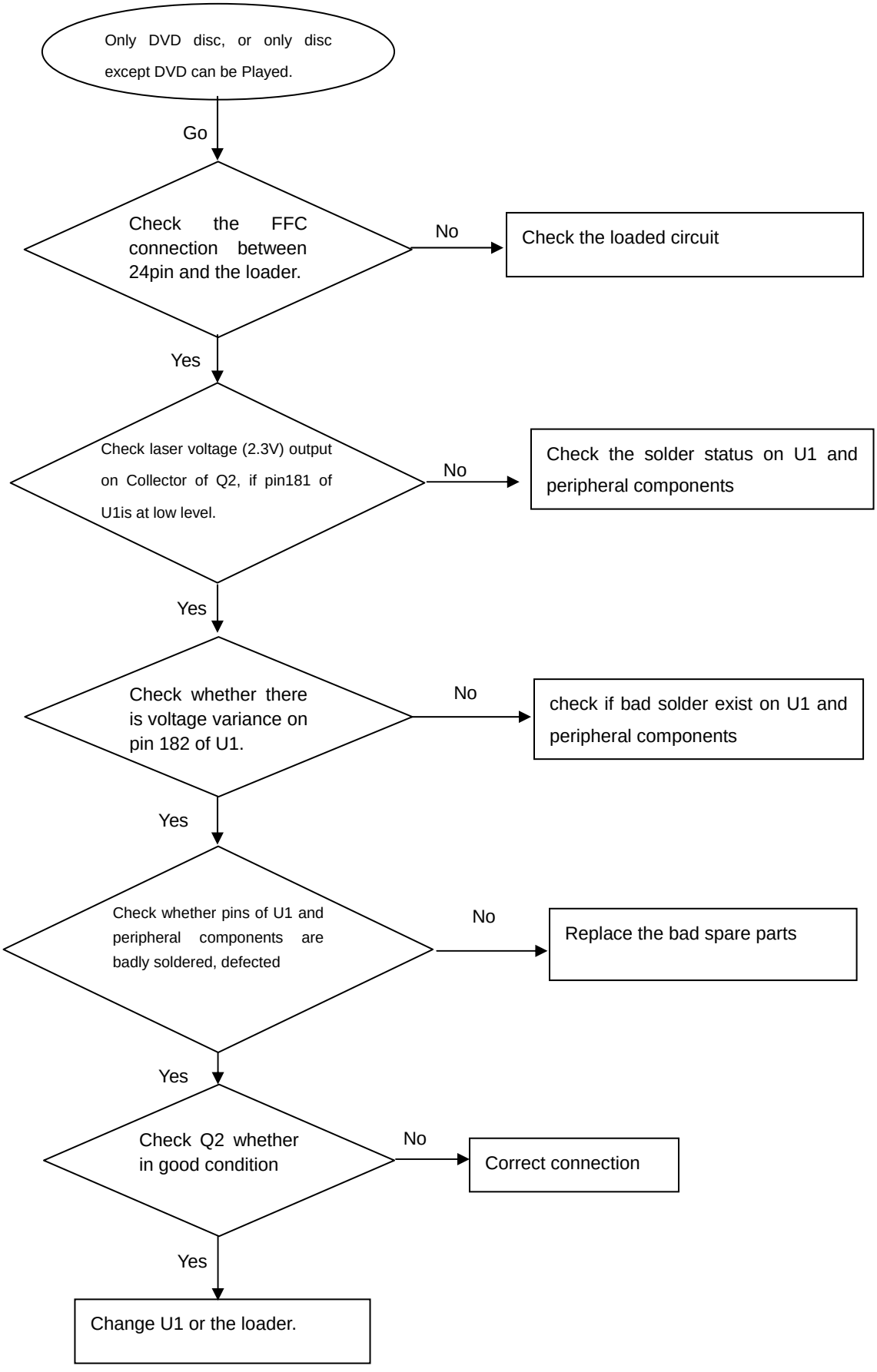
All output voltages on the power board is 0V or deviated.



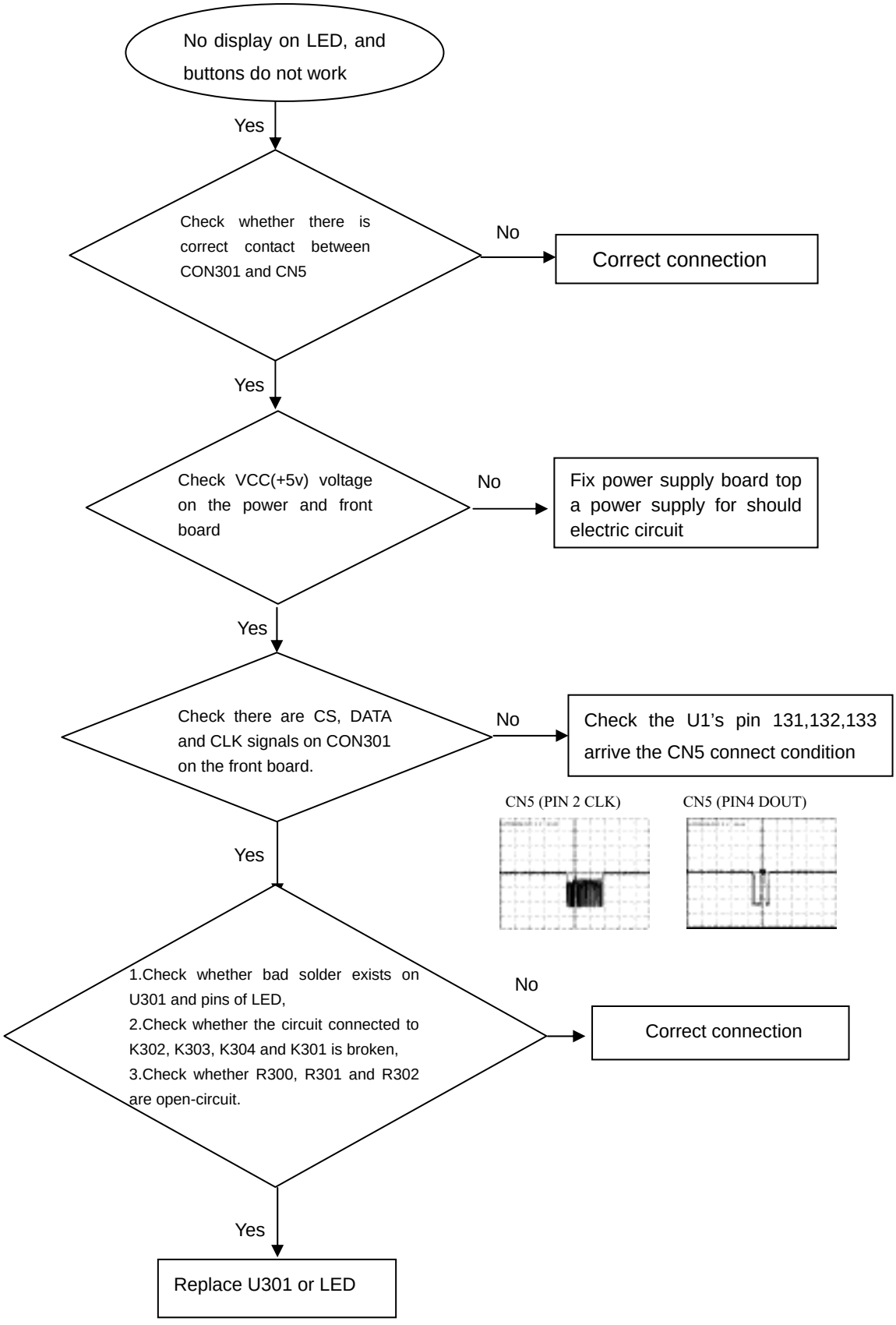
Disc cannot be read.



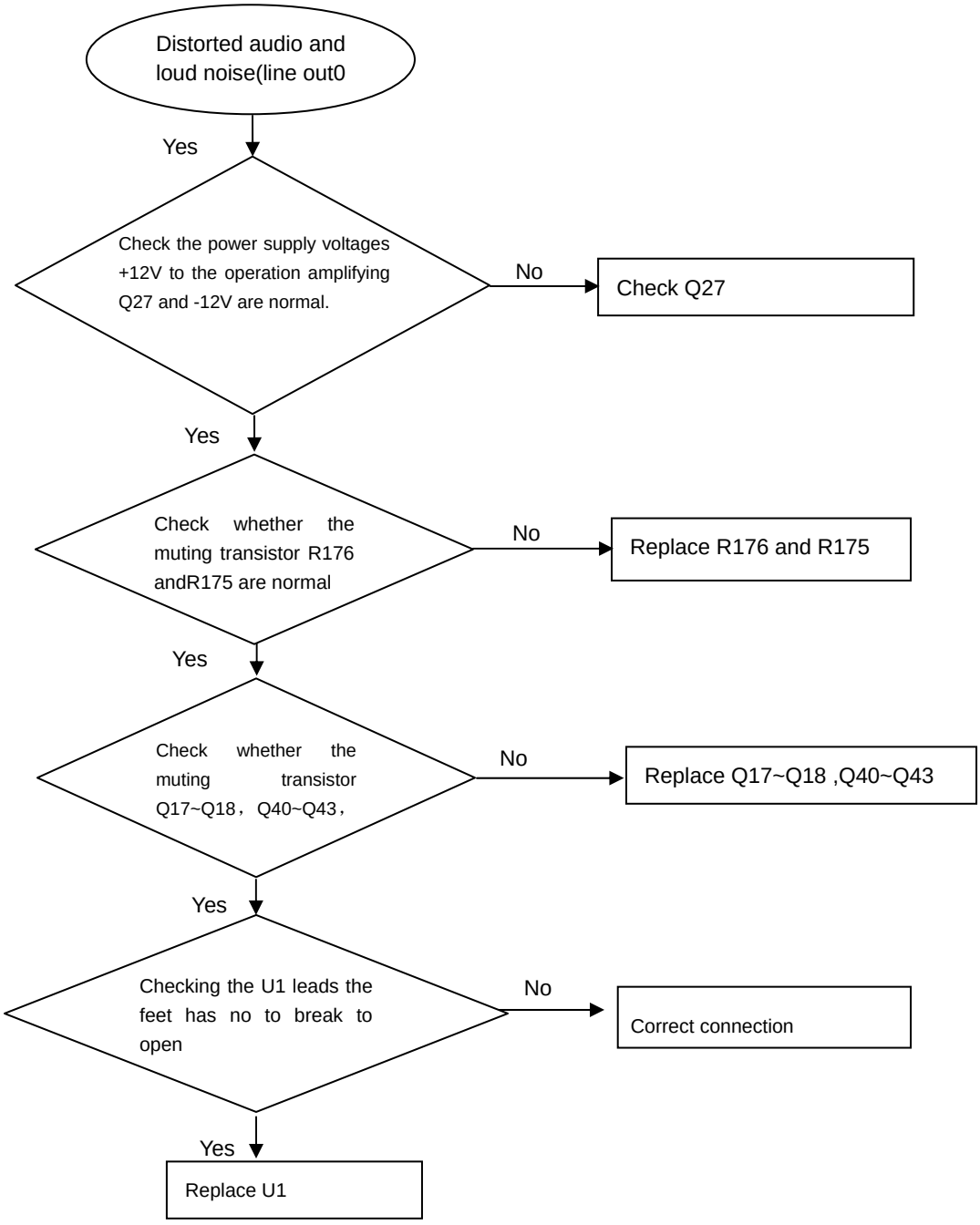
Only DVD disc or only disc except DVD can be played



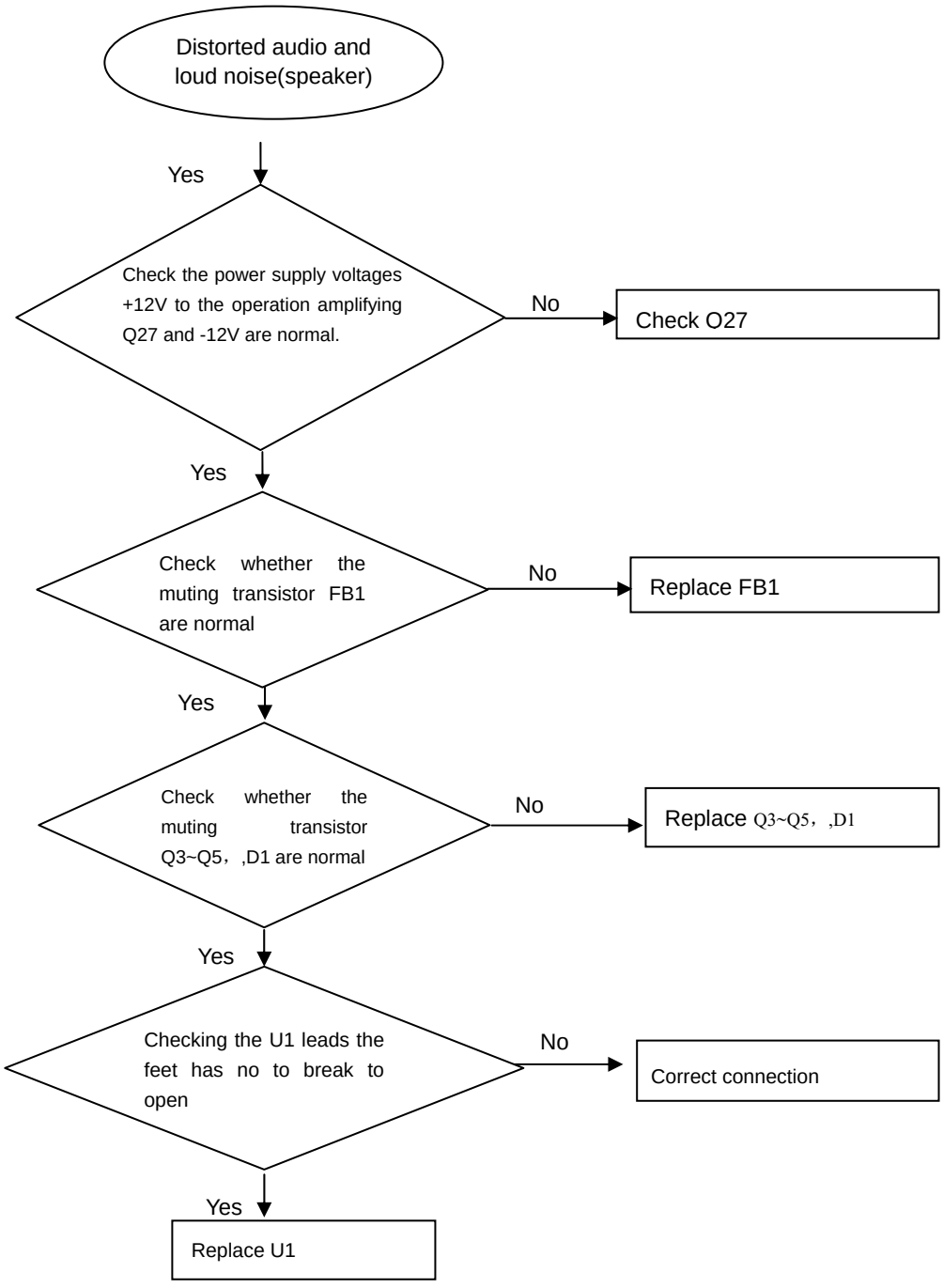
No display on LED, and buttons do not work



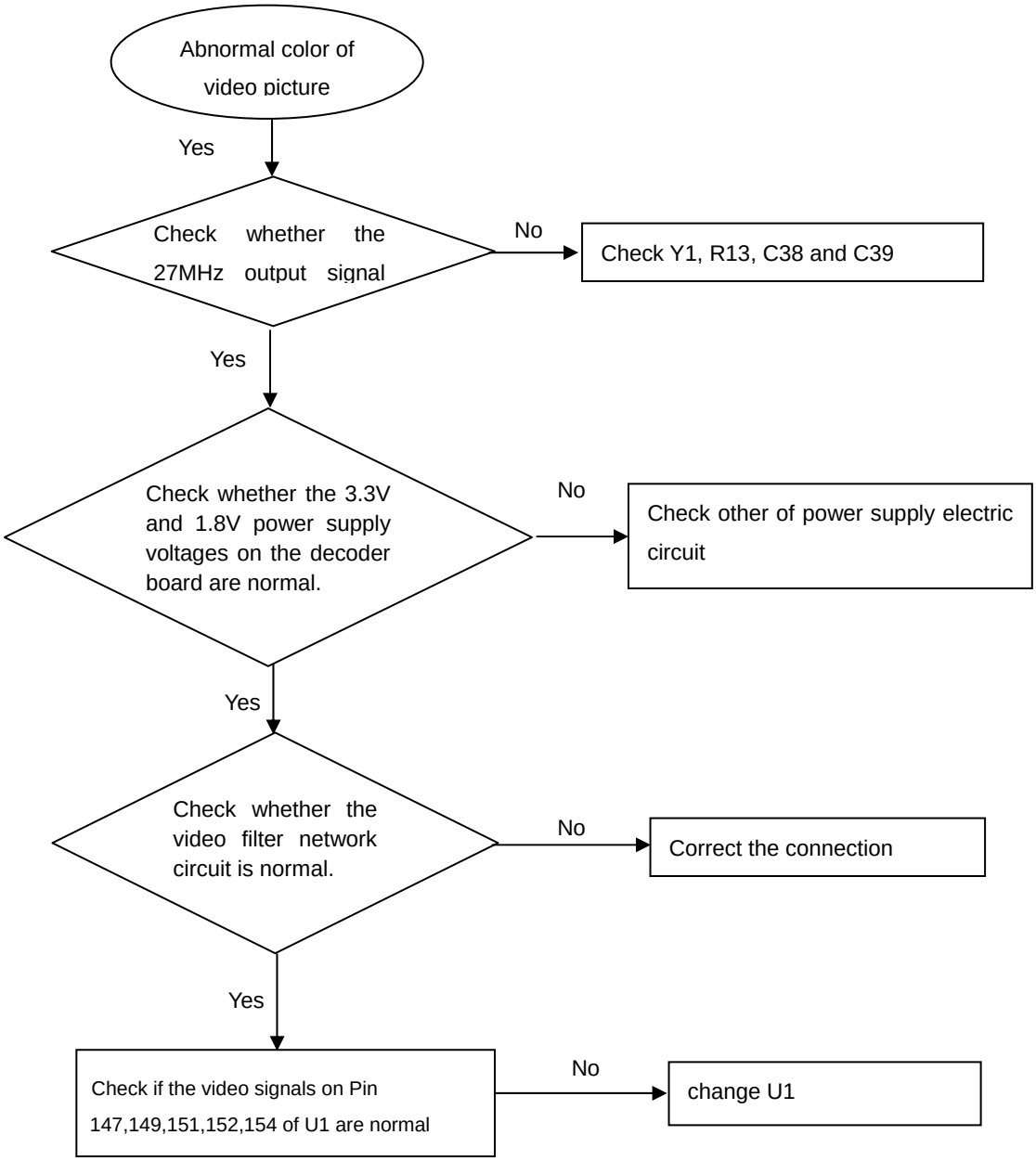
Distorted audio and loud noise(Line out)



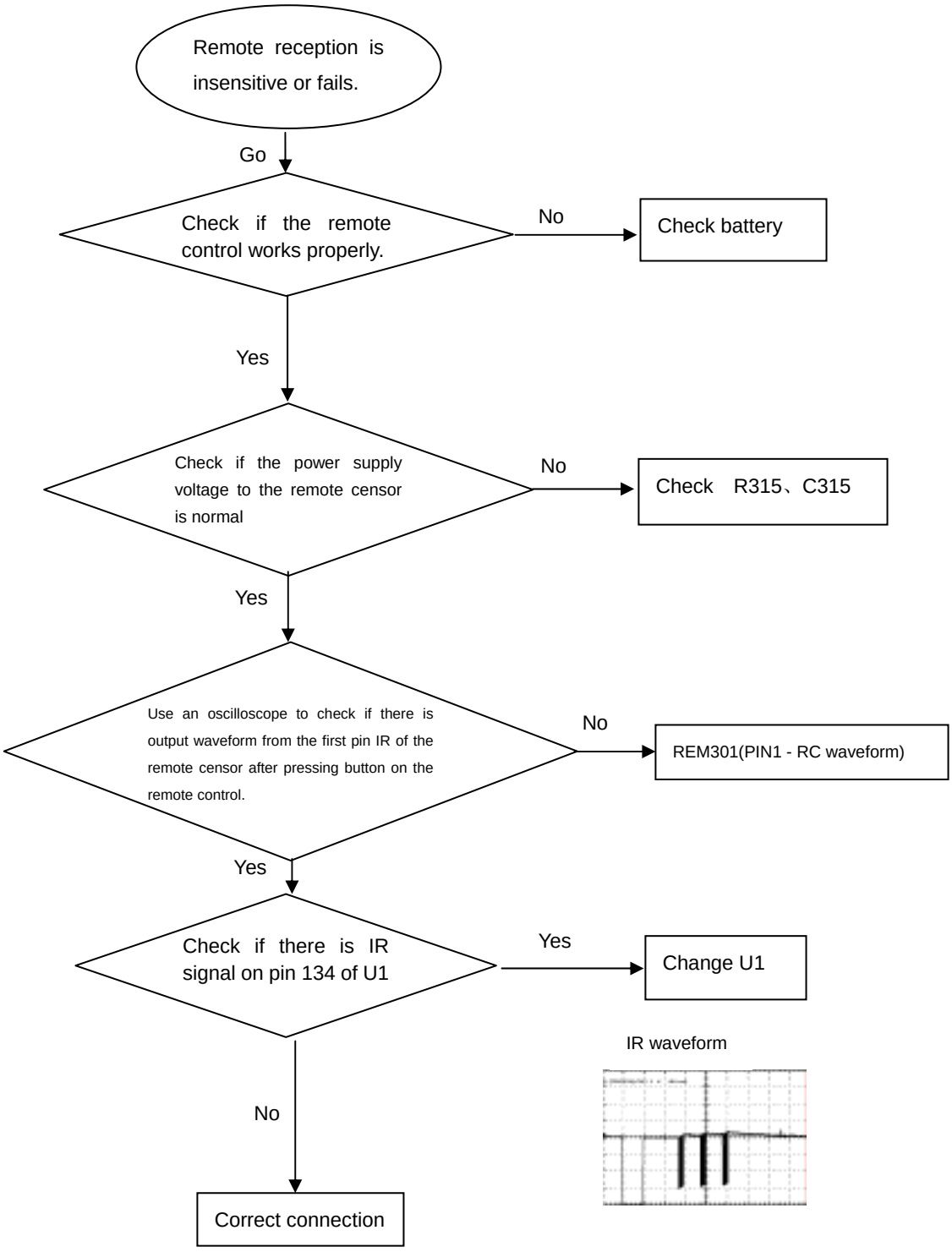
Distorted audio and loud noise(Speaker)



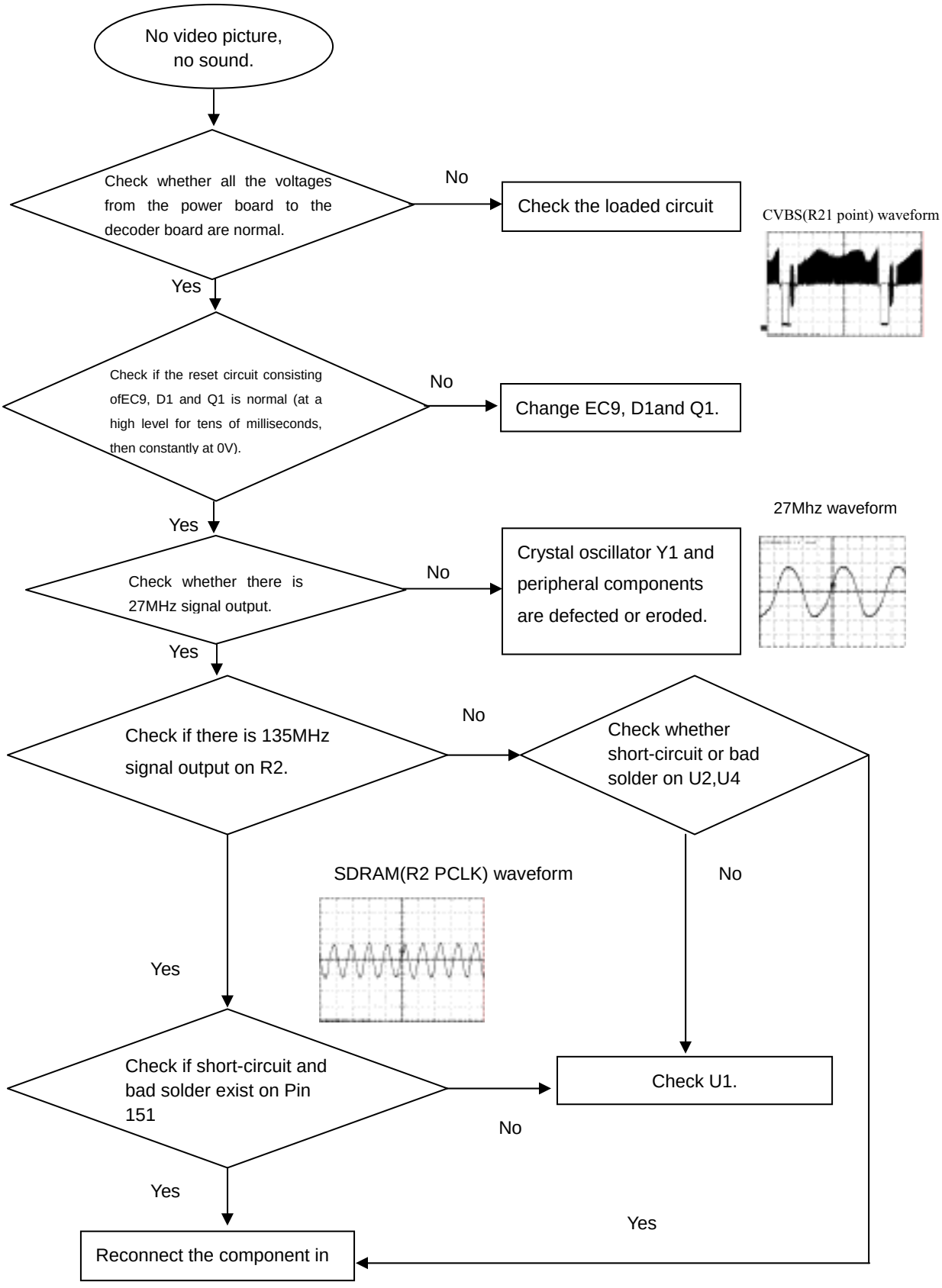
Abnormal color of video picture



Remote reception is insensitive or fails.

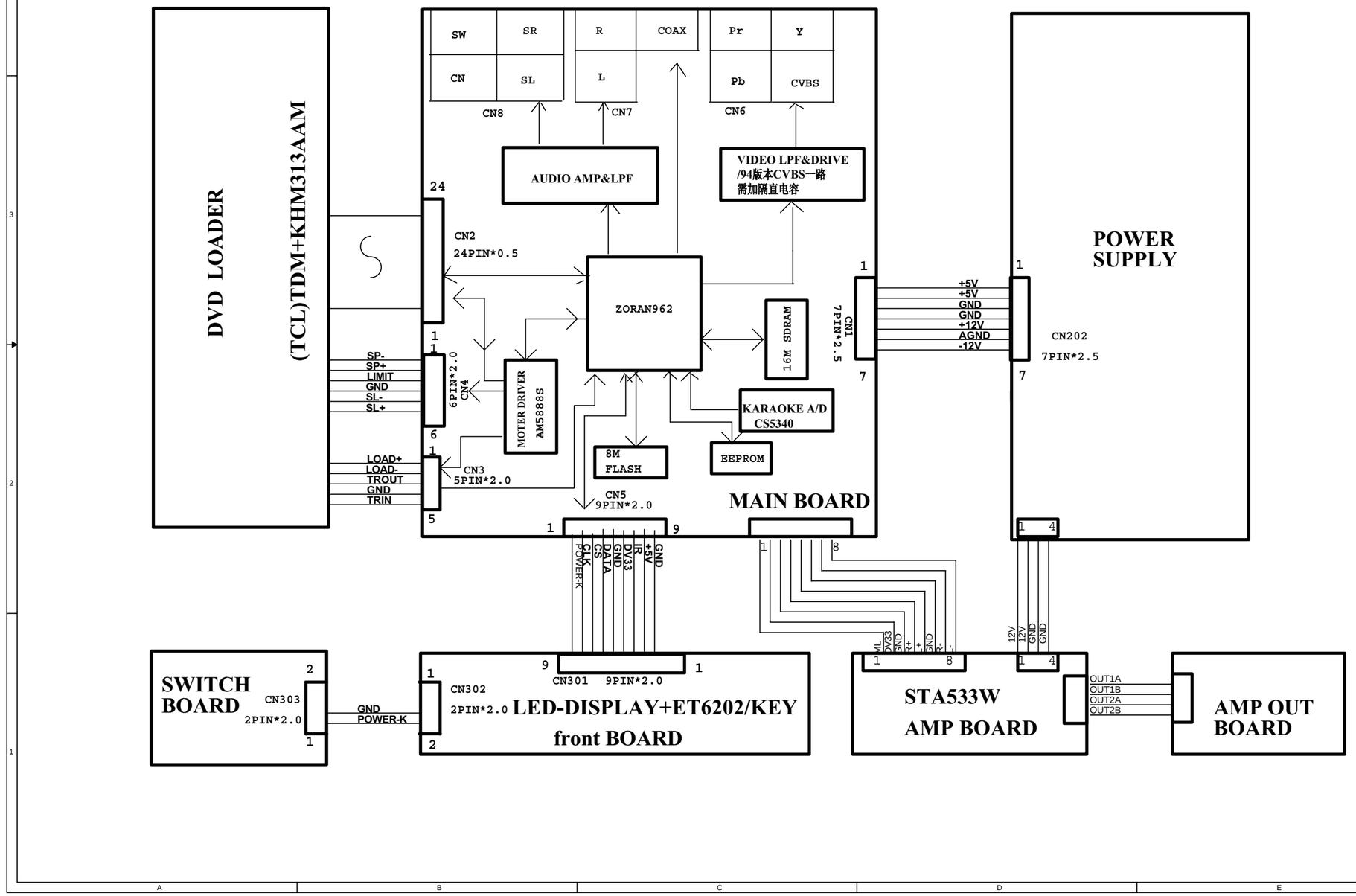


No video picture, no sound.



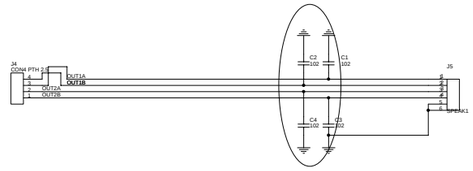
5-1

DVP3136 WIRING DIAGRAM



6-1

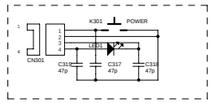
Input/Output Electric Diagram for DVP3136/94



C1 B 2
C2 B 2
C3 B 2
C4 B 2
J4 B 1
J5 B 2
X4 E 4

6-2

Switch Board Electric Diagram for DVP3136/94

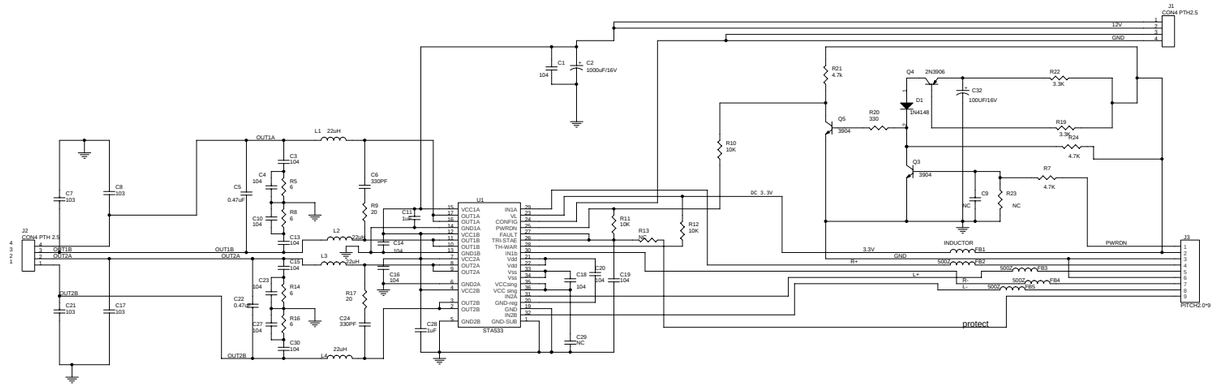


SWITCH BOARD

CB301	B 2
C317	B 2
C318	B 2
C113	B 2
R201	B 2
LED1	B 2
X1	B 4

6-3

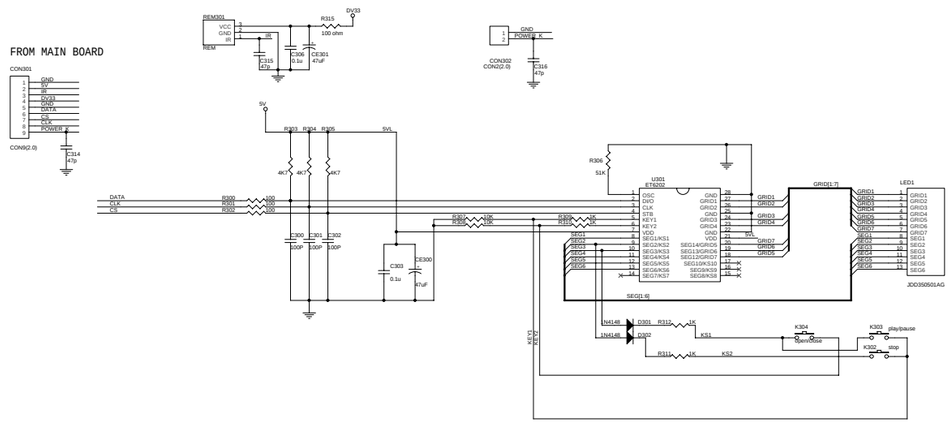
Amplifier Board Electric Diagram for DVP3136/94



C1	2 B
C2	2 B
C3	1 B
C4	1 C
C5	1 C
C6	2 C
C7	1 C
C8	1 C
C9	3 C
C10	1 C
C11	2 C
C13	1 C
C14	2 C
C15	1 C
C16	2 C
C17	1 C
C18	2 C
C19	2 C
C20	2 C
C21	1 C
C22	1 C
C23	1 C
C24	2 C
C27	1 C
C28	2 C
C29	2 C
C30	1 C
C32	3 B
D1	3 B
FB1	3 C
FB2	3 C
FB3	3 C
FB4	3 C
FB5	3 C
J1	4 B
J2	1 C
J3	4 C
L1	2 B
L2	2 C
L3	2 C
L4	2 C
Q3	3 B
Q4	3 B
Q5	3 B
R5	1 C
R7	3 C
R8	1 C
R9	2 C
R10	2 B
R11	2 C
R12	2 C
R13	2 C
R14	1 C
R16	1 C
R17	2 C
R19	3 B
R20	3 B
R21	3 B
R22	3 B
R23	3 C
R24	3 B
U1	2 C
X4	4 E

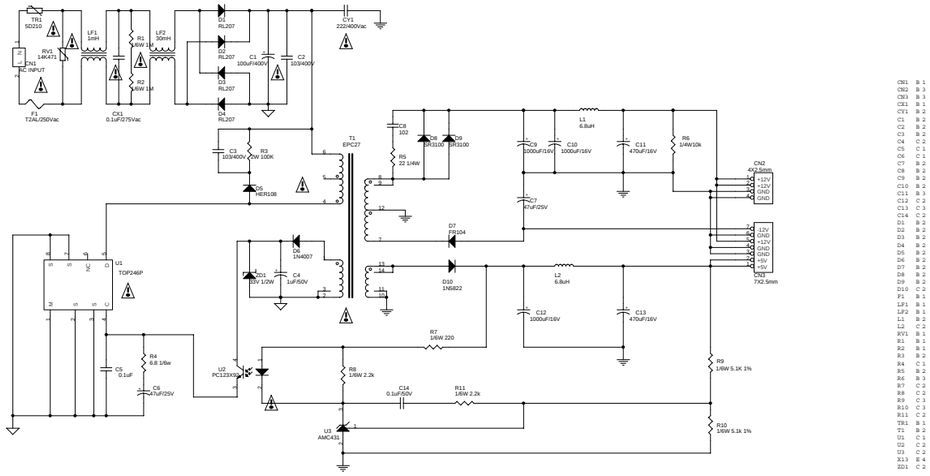
6-4

Front Board Electric Diagram for DVP3136/94



6-5

Power Board Electric Diagram for DVP3136/94



CB1	B 1
CB2	B 3
CB3	B 3
CE1	B 1
CY1	B 2
C1	B 2
C2	B 2
C3	B 2
C4	C 2
C5	C 1
C6	C 1
C7	B 2
C8	B 2
C9	B 2
C10	B 2
C11	B 3
C12	C 2
C13	C 3
C14	C 2
D1	B 2
D2	B 2
D3	B 2
D4	B 2
D5	B 2
D6	B 2
D7	B 2
D8	B 2
D9	B 2
D10	C 2
F1	B 1
LF1	B 1
LF2	B 1
L1	B 2
L2	C 2
RV1	B 1
R1	B 1
R2	B 1
R3	B 2
R4	C 1
R5	B 2
R6	B 3
R7	C 2
R8	C 2
R9	C 3
R10	C 3
R11	C 2
TR1	B 1
T1	B 2
U1	C 1
U2	C 2
U3	C 2
X13	B 4
ZD1	C 2

*** CAUTION :**

THE PARTS MARKED WITH ⚠ ARE IMPORTANT PARTS ON THE SAFETY.

PLEASE USE THE PARTS HAVING THE DESIGNATED PARTS NUMBER WITHOUT FAIL.

6-6

Main Board Electric Diagram for DVP3136/94: Vaddis_SDRAM_Flash

Flash speed <= 70 nS.
If plan to use 90ns Flash, it needs to be verified by s/w.

Flash select	R39	R40
Intel	NM	0R
AMD/SST	0R	NM

BOOTSEL	JP3	JP2
Play	OPEN	OPEN
Download	OPEN	CLOSE
SW debug	CLOSE	OPEN

Close to Vaddis!

OPU: 313A HD65
R5: 22K 11K
R6: 33K 18K

Important power supply!

ZORAN
Vaddis 9
ZR36966/36962

Crystal
Use it to connect the shell of the crystal with ground.

RESET

EEPROM

UART

Close to Vaddis

Clock to Vaddis

Place de-coupling capacitors close to power pins.

SDRAM configuration:
1X16Mbit: CS0# = Low;
1X64Mbit: CS1# = Low; CS0#=BA1
SDRAM speed <-7ns
Tras <=44.4ns
Trp <=22.2ns

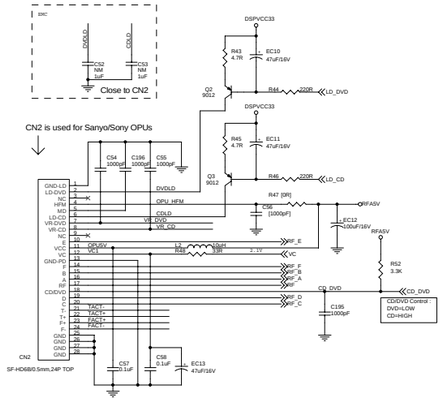
16Mbit: K4S161622C-TC/L70

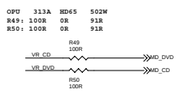
NM
[HY57V641620HGT-H/UC70]

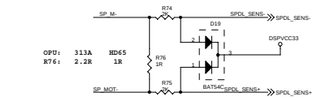
CN10	D 4	C202	B 3
CN112	C 4	C205	B 3
CN119	D 4	C206	A 4
C2	D 1	D1	B 4
C3	D 1	EC1	D 1
C4	D 1	EC4	A 3
C5	D 1	EC9	B 4
C6	D 1	EC20	C 3
C7	D 1	FB1	D 1
C8	D 1	FB3	A 3
C9	D 1	FB4	A 3
C10	D 1	FB6	A 3
C11	D 1	FB7	B 3
C12	D 1	FB8	B 3
C15	C 3	FB9	C 3
C19	D 1	FB30	C 2
C20	D 1	FB35	C 4
C21	D 1	JP2	C 1
C22	D 1	JP3	C 1
C23	D 1	Q1	B 4
C24	A 3	R1	D 2
C25	A 3	R2	C 2
C26	A 3	R3	A 2
C27	A 3	R4	A 2
C28	A 3	R5	A 2
C29	A 3	R6	A 2
C30	A 3	R7	A 2
C31	A 2	R8	A 2
C32	A 2	R9	A 2
C33	A 2	R10	B 3
C34	A 2	R13	A 4
C35	A 3	R14	A 4
C36	A 3	R15	A 4
C37	C 2	R19	B 3
C38	A 4	R20	B 3
C39	A 4	R21	B 3
C43	B 4	R22	B 3
C44	C 4	R24	B 4
C45	D 2	R30	B 4
C48	A 1	R33	B 4
C49	A 2	R34	B 4
C50	A 3	R35	B 4
C51	A 2	R36	B 4
C189	A 3	R37	C 4
C190	A 3	R38	C 4
C191	A 3	R39	A 1
C192	A 3	R40	A 1
C193	A 3	R41	C 1
C194	A 3	R42	C 1
C201	C 2	R56	C 3
		R223	C 4
		R224	C 4
		R225	C 4
		R226	C 3
		R227	D 3
		R228	C 3
		R229	D 3
		R235	A 3
		R238	A 3
		U1A	B 2
		U2	D 2
		U3	D 2
		U4	A 1
		U5	C 4
		X11	E 4
		Y1	A 4

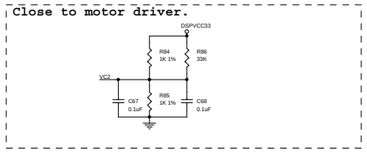
6-7

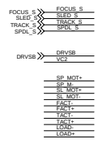
Main Board Electric Diagram for DVP3136/94: Front End

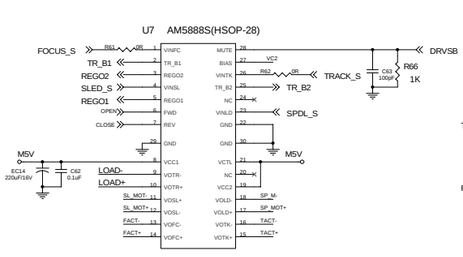


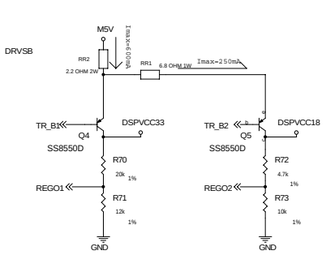


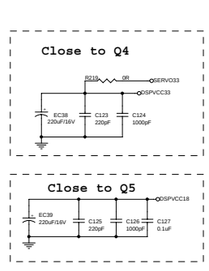


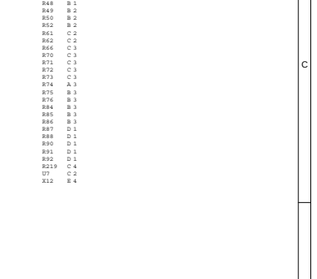






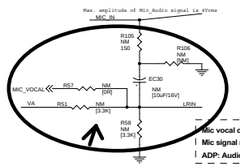


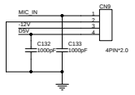


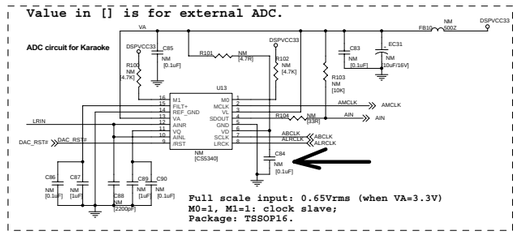


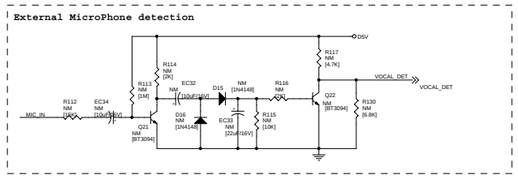
6-8

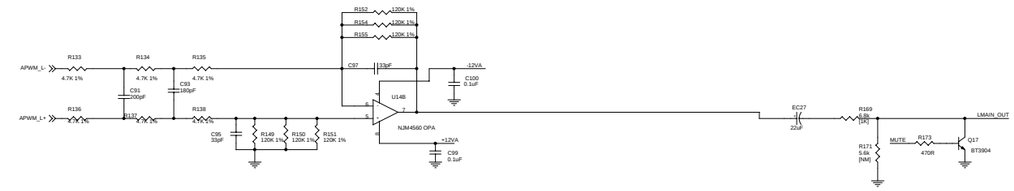
Main Board Electric Diagram for DVP3136/94: Audio Input_Output

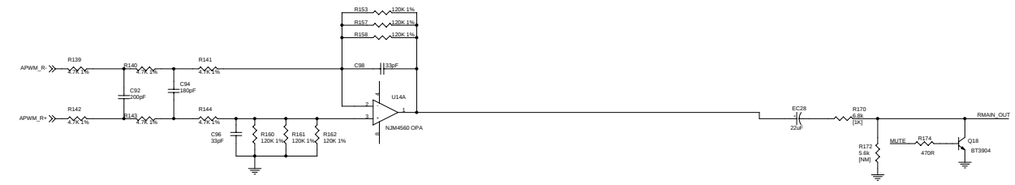


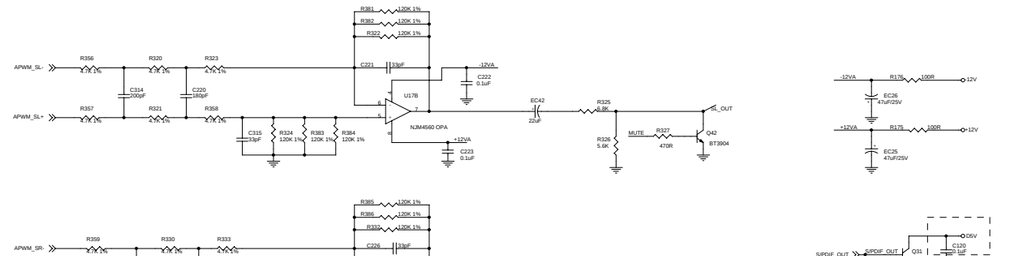


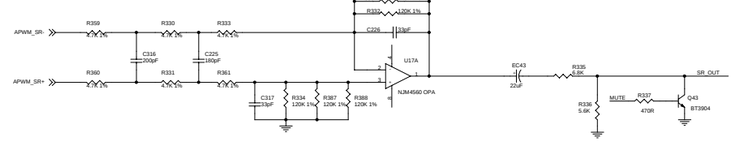


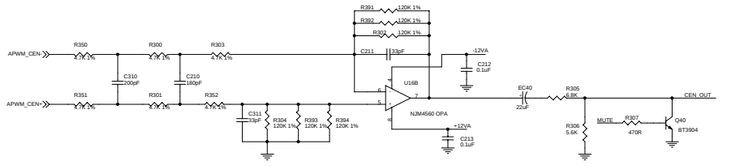


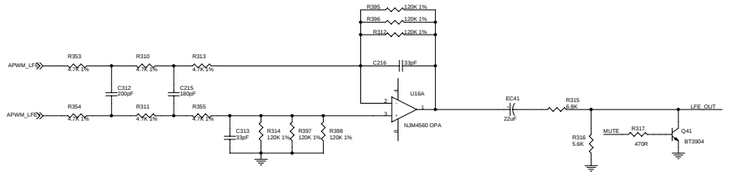


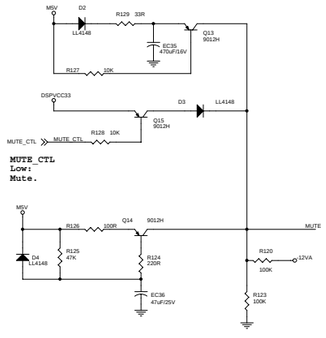


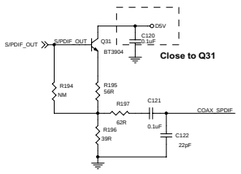


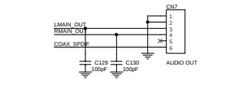


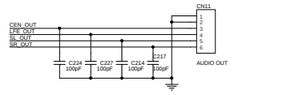








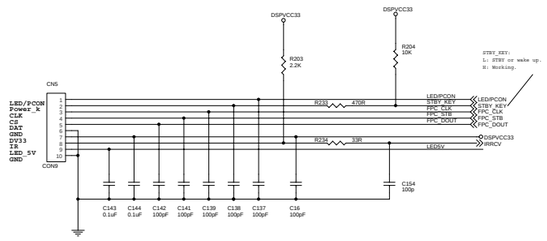


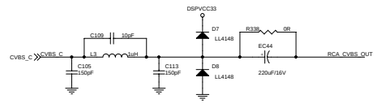


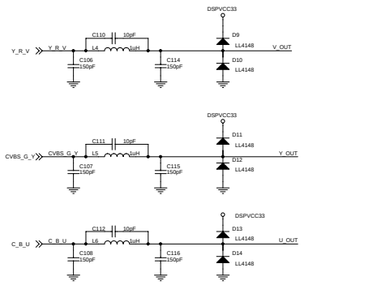
C87	C 4	R128	D 1				
C89	A 2	R129	C 1				
C911	D 4	R130	B 1				
C93	A 1	R133	A 2				
C84	B 1	R134	A 2				
C85	A 1	R135	A 2				
C86	B 1	R136	A 2				
C87	B 1	R137	A 2				
C88	B 1	R138	A 2				
C89	B 1	R139	A 2				
C90	B 1	R140	A 2				
C91	A 2	R141	A 2				
C92	B 2	R142	B 2				
C93	A 2	R143	B 2				
C94	A 2	R144	B 2				
C95	A 3	R149	A 3				
C96	B 3	R150	A 3				
C97	A 3	R151	A 3				
C98	A 3	R152	A 3				
C99	A 3	R153	A 3				
C100	A 3	R154	A 3				
C120	C 4	R155	A 3				
C121	C 4	R157	A 3				
C122	C 4	R158	A 3				
C129	C 4	R160	B 3				
C130	C 4	R161	B 3				
C132	A 2	R162	B 3				
C133	A 2	R169	A 4				
C210	C 2	R170	B 4				
C211	C 3	R171	A 4				
C212	C 3	R172	B 4				
C213	D 3	R173	A 4				
C214	D 4	R174	B 4				
C215	D 2	R175	B 4				
C216	D 3	R176	B 4				
C217	D 4	R194	C 4				
C220	B 2	R195	C 4				
C221	B 3	R196	C 4				
C222	B 3	R197	C 4				
C223	B 3	R300	C 2				
C224	D 4	R301	C 2				
C225	C 2	R302	C 3				
C226	C 3	R303	C 2				
C227	D 4	R304	C 3				
C310	C 2	R305	C 3				
C311	C 3	R306	D 3				
C312	D 2	R307	C 3				
C313	D 2	R310	D 2				
C314	B 2	R311	D 2				
C315	B 3	R312	D 3				
C316	C 2	R313	D 2				
C317	C 3	R314	D 3				
D2	C 1	R315	D 3				
D3	D 1	R316	D 3				
D4	D 1	R317	D 3				
D15	B 1	R320	B 2				
D16	B 1	R321	B 2				
EC25	B 4	R322	B 3				
EC26	B 4	R323	B 2				
EC27	A 4	R324	B 3				
EC28	B 4	R325	B 3				
EC30	A 1	R326	B 3				
EC31	B 1	R327	B 4				
EC32	B 1	R330	C 2				
EC33	B 1	R331	C 2				
EC34	B 1	R332	C 3				
EC35	C 1	R333	C 2				
EC36	D 1	R334	C 3				
EC40	C 3	R335	C 3				
EC41	D 3	R336	C 3				
EC42	B 3	R337	C 3				
EC43	C 3	R350	C 2				
FB10	A 2	R351	C 2				
Q13	C 1	R352	C 2				
Q14	D 1	R353	D 2				
Q15	D 1	R354	D 2				
Q17	A 4	R355	D 2				
Q18	B 4	R356	B 2				
Q21	B 1	R357	B 2				
Q22	B 1	R358	B 2				
Q31	C 4	R359	C 2				
Q40	C 4	R360	C 2				
Q41	D 4	R361	C 2				
Q42	B 4	R381	B 3				
Q43	C 4	R382	B 3				
R51	A 1	R383	B 3				
R57	A 1	R384	B 3				
R58	A 1	R385	B 3				
R100	A 1	R386	C 3				
R101	A 1	R387	C 3				
R102	A 1	R388	C 3				
R103	A 1	R391	C 3				
R104	B 1	R392	C 3				
R105	A 1	R393	C 3				
R106	A 1	R394	C 3				
R112	B 1	R395	D 3				
R113	B 1	R396	D 3				
R114	B 1	R397	D 3				
R115	B 1	R398	D 3				
R116	B 1	U13	A 1				
R117	B 1	U14A	B 3				
R120	D 2	U14B	A 3				
R123	D 2	U16A	D 3				
R124	D 1	U16B	C 3				
R125	D 1	U17A	C 3				
R126	D 1	U17B	B 3				
R127	C 1	X13	R 4				

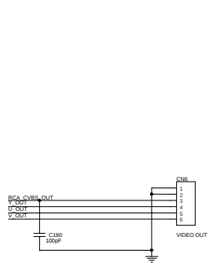
6-9

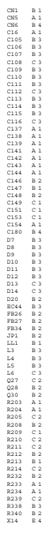
Main Board Electric Diagram for DVP3136/94: Power_Video Out

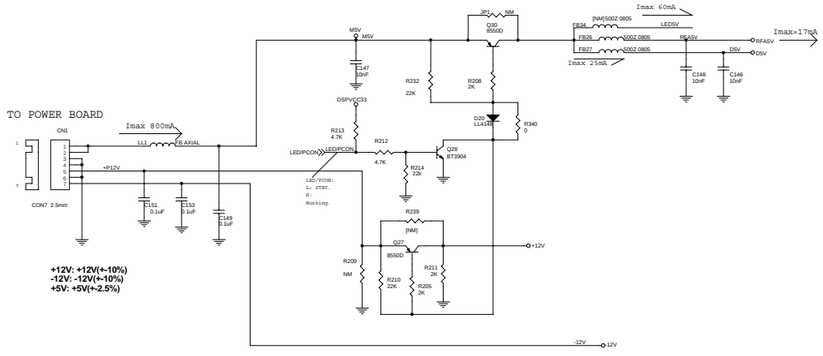






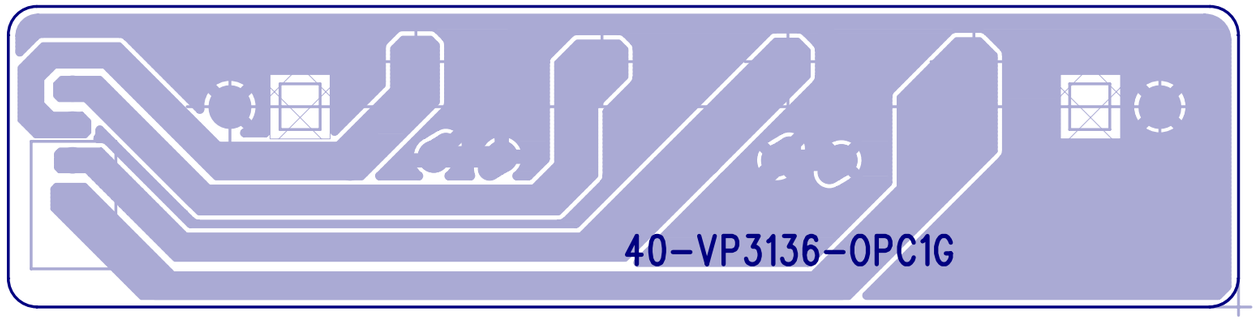






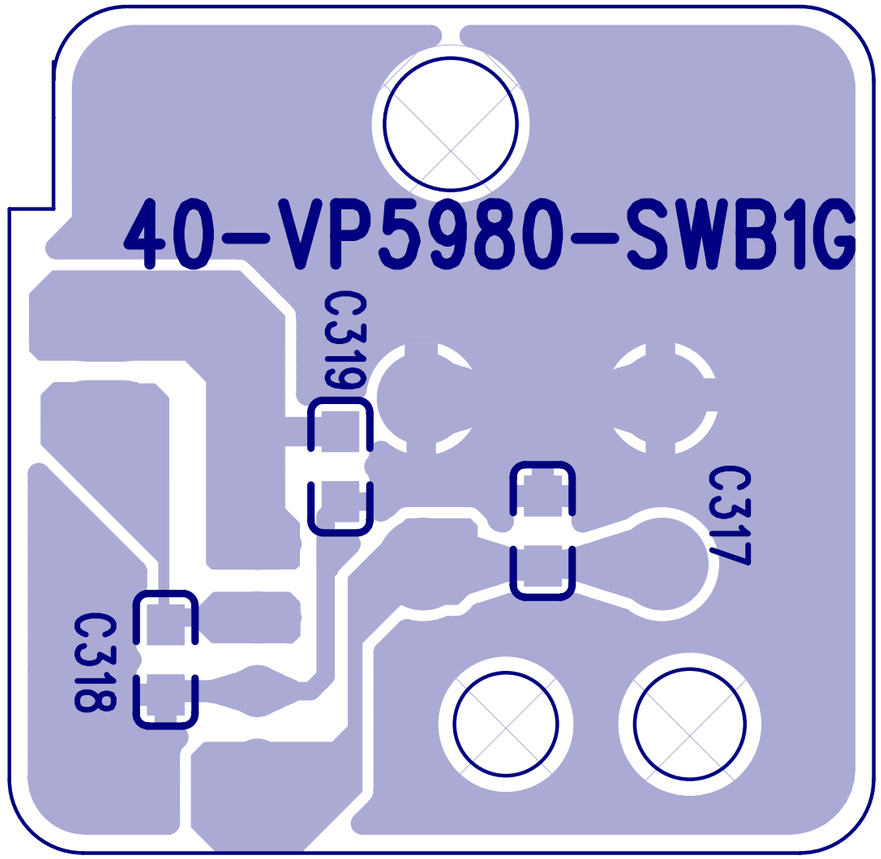
6-10

Input/Output Board Print_Layout (Bottom Side) for DVP3136/94



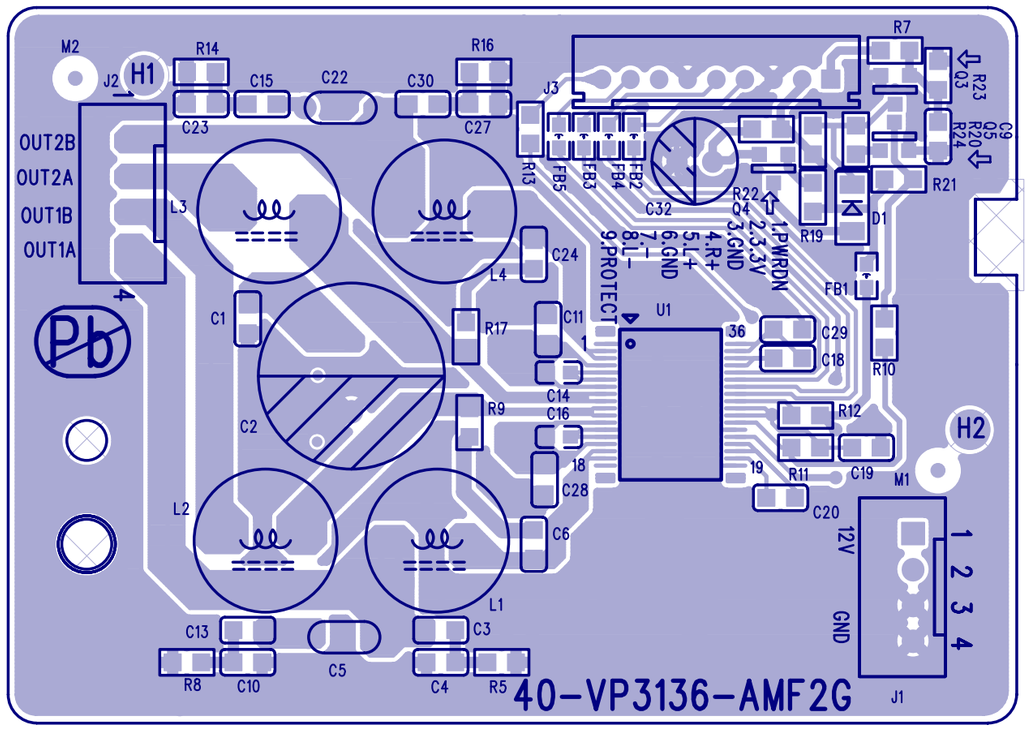
6-11

Switch Board Print_Layout (Bottom Side) for DVP3136/94



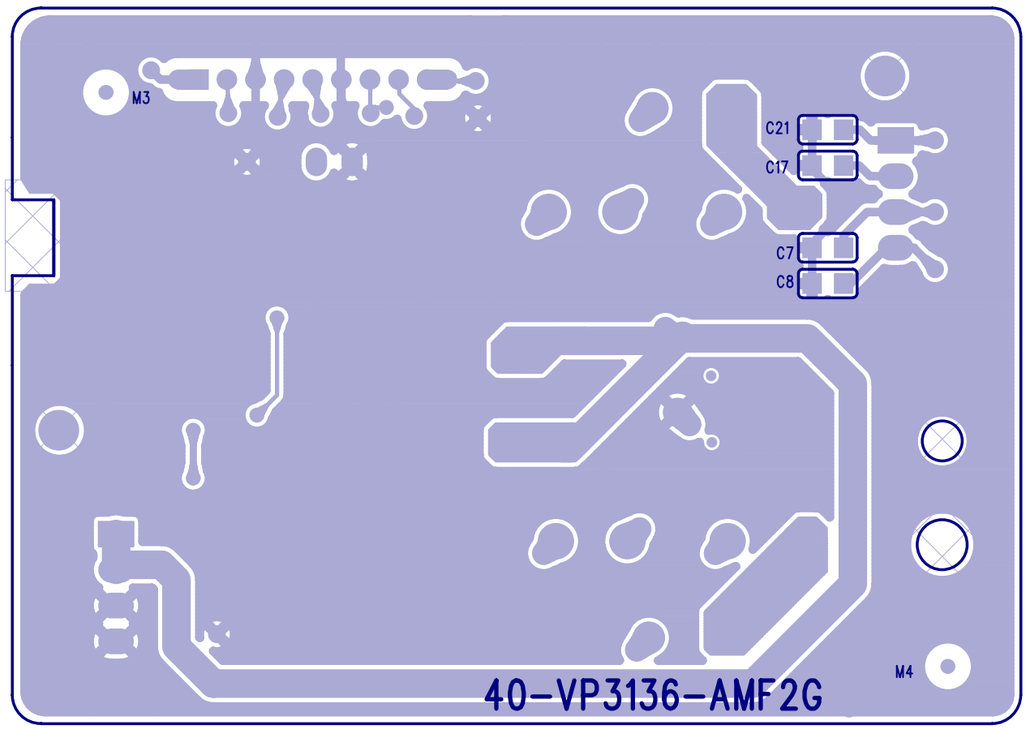
6-12

Amplifier Board Print_Layout (Top Side) for DVP3136/94



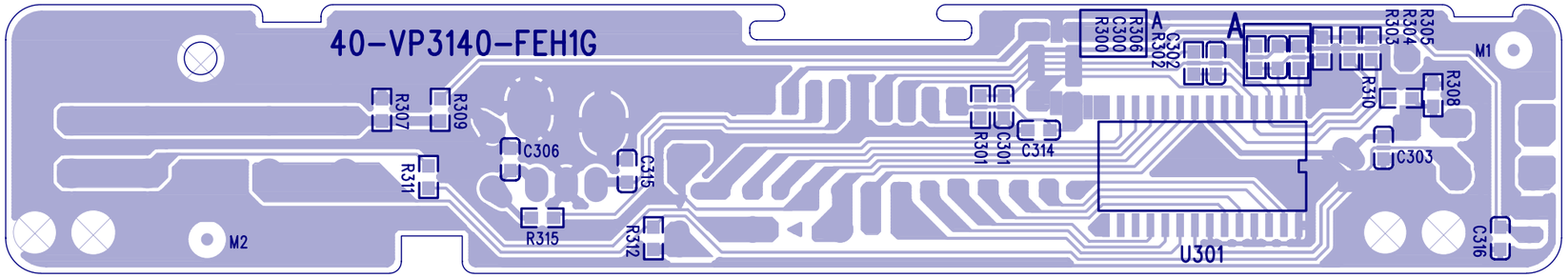
6-13

Amplifier Board Print_Layout (Bottom Side) for DVP3136/94



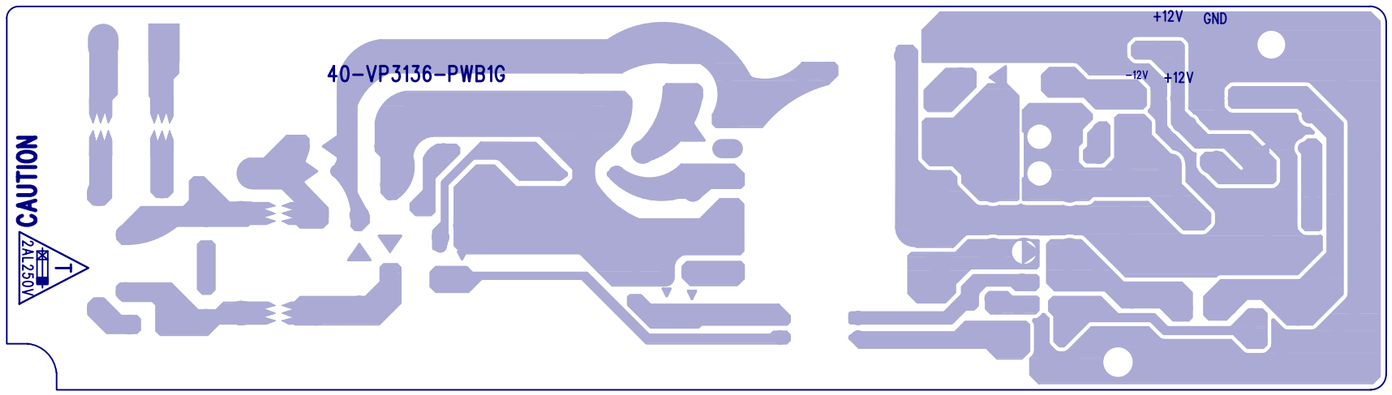
6-14

Front Board Print_Layout (Bottom Side) for DVP3136/94



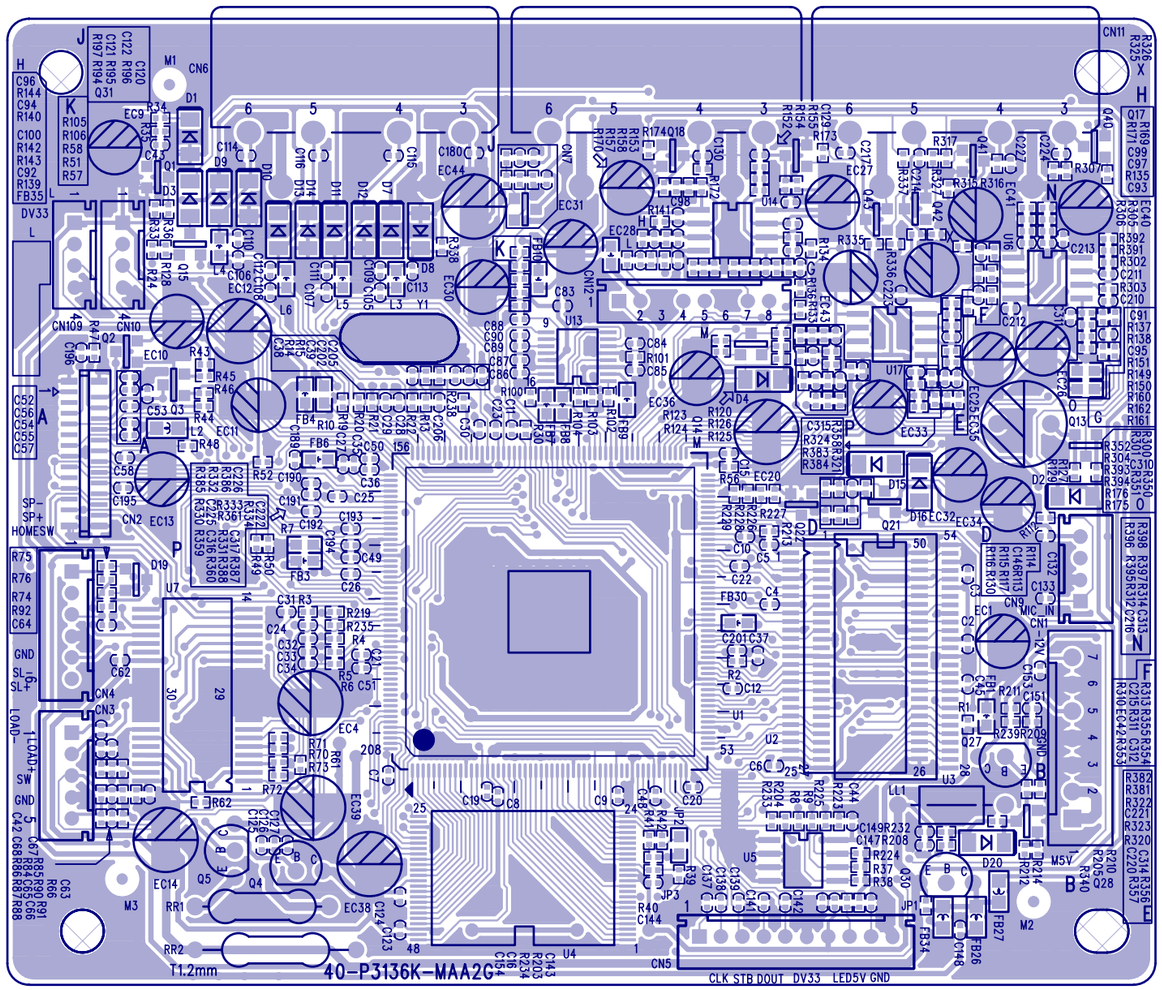
6-15

Power Board Print _Layout (Bottom Side) for DVP3136/94



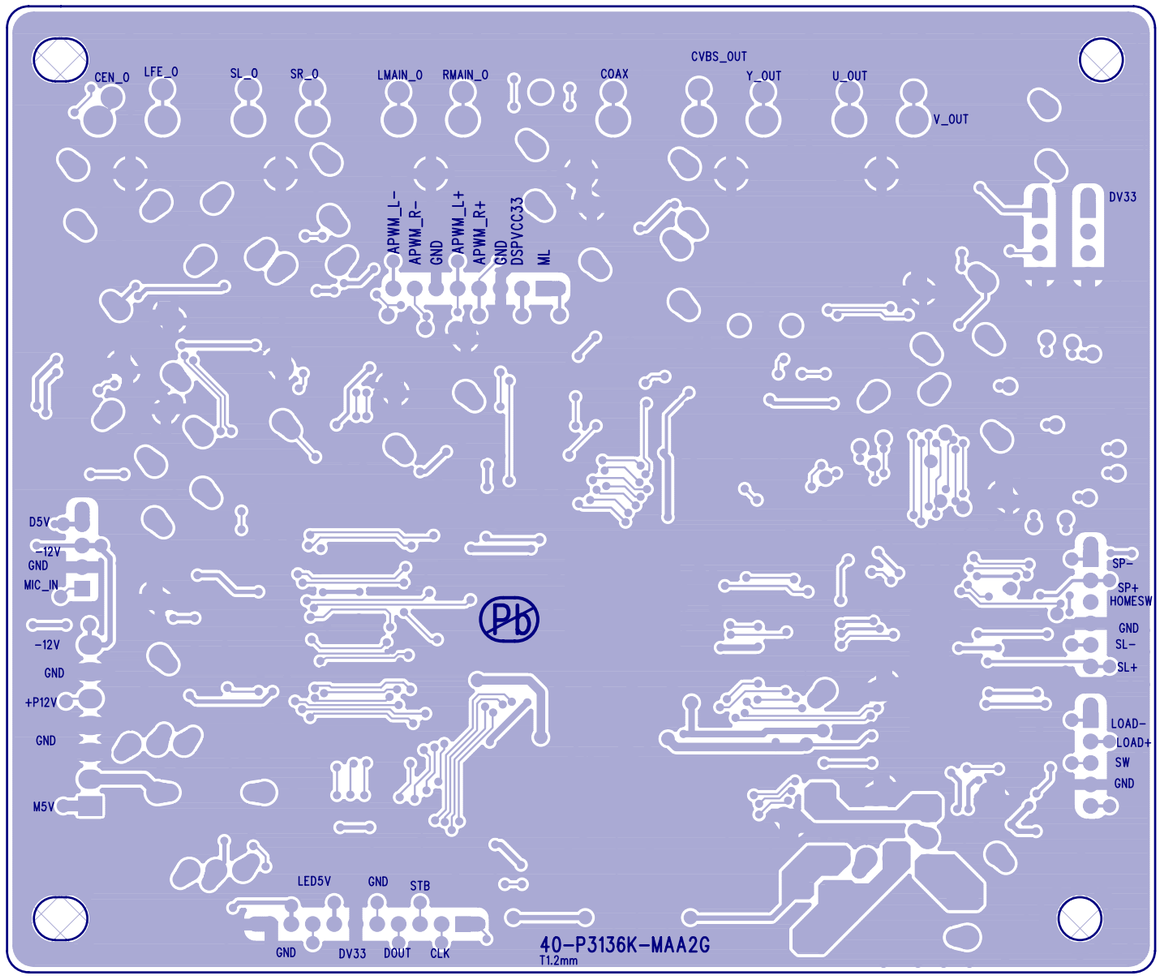
6-16

Main Board Print_Layout (Top Side) for DVP3136/94

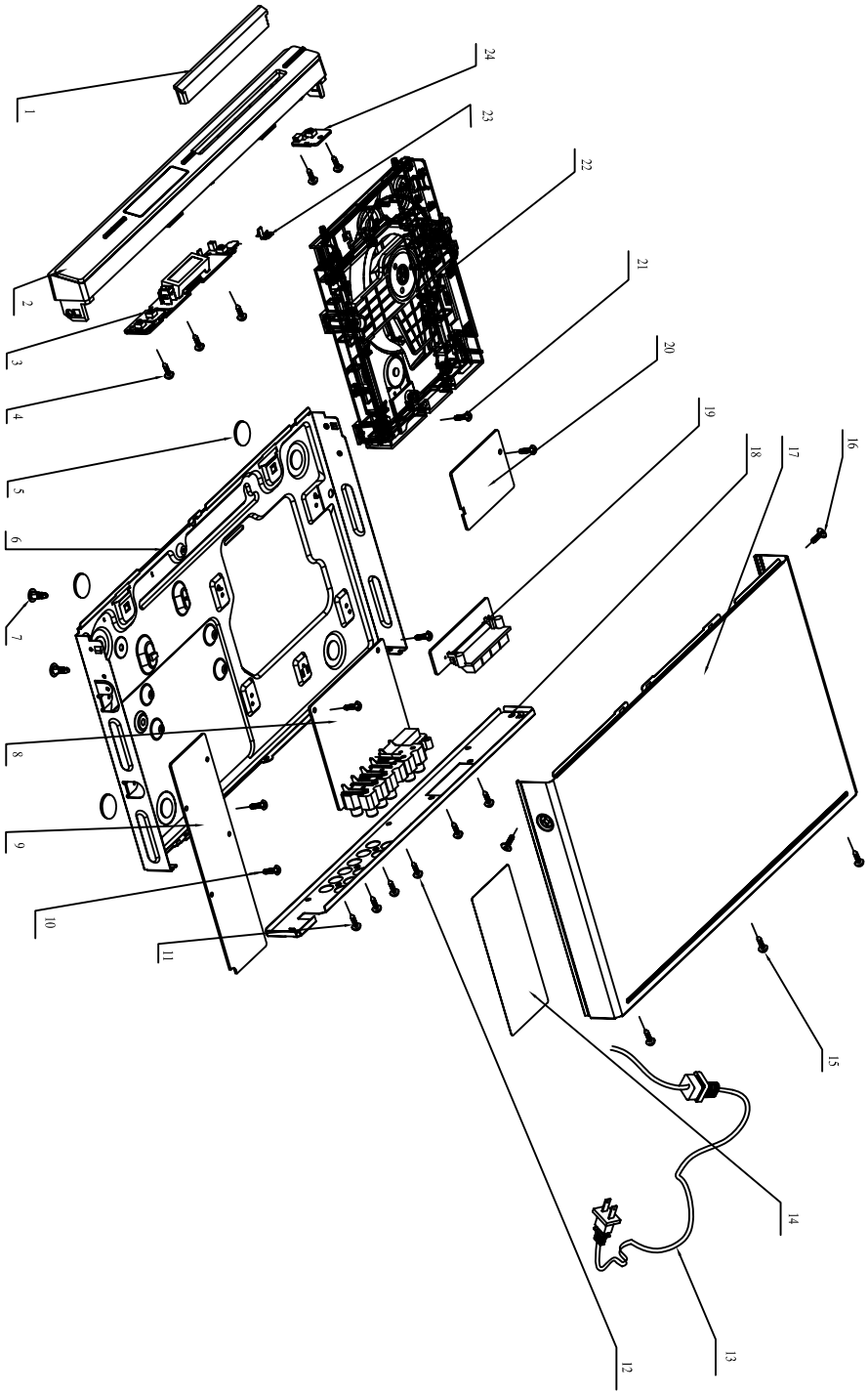


6-17

Main Board Print_Layout (Bottom Side) for DVP3136/94



DVP3136/94 Mechanical Exploded View



Remark: It's a general Mechanical Exploded View for DVP3136/94

Detailed information please refer to Model set.

ENCASING & ACCESSORIES PARTS LIST

No	12NC No.	Part Name	Q'ty
1	996510005288	Front Door	1
2	996510005289	Front Panel Ass'y for DVP3136/94	1
3	996510005282	Front Board	1
5	996510001815	PAD	4
6	996510005291	Bottom Cabinet	1
7	/	PCB Supportor	2
8	996510005280	Main Board	1
9	996510005281	Power Board	1
13	996510001179	Power Code	1
14	/	Insulator PAD	1
17	996510001775	Top cover	1
18	996510005290	Rear Cabinet	1
19	/	Input/Output Board	1
20	/	Amplifier Board	1
22	996510005283	Loader	1
23	996510001163	Switch Board	1
24	/	ESD PAD	1

Accessory

RBuffer	996510005287	RIGHT BUFFER	1
LBuffer	996510001202	LEFT BUFFER	1
RC	996510001822	REMOTE CONTROL	1
AVCAB	996510001106	VIDEO CABLE 1500mm	1
DBOX	996510005286	DISPLAY BOX	1

Cable

C0N302	996510004064	2P HS	1
CON301	996510005285	HS 9PIN	1
6P	996510001222	HS 6P PH-6Y/PH-6Y	1
5P	996510005284	5PIN HS	1
CN2	996510001108	24PIN HS	1

Note:Only the parts mentioned in this list are normal service spare parts

SCREW LIST

No	12NC No.	Part Name	Q'ty
4	/	S/T Screw B2.6X8 BF	5
10	/	TRIANGLE M/C SCREW B 3 X 6	5
11	/	TRIANGLE M/C SCREW B 3 X6	5
12	/	S/T SCREW B 3 X 8 BF	1
15	/	TRIANGLE M/C SCREW B 3 X6	3
16	/	M/C SCREW TRIANGLE W 3 X 6	2
21	/	MACHINE SCREW	2

REVISION LIST

Version 1.0

* Initial release

Remark: This Service manual only for Philips Service repairment, Please Don't transmitte or forward it to others.