

# DVD Player

DVP3126(K), DVP3146(K), DVP3148K

Service

DVP3126/94/96/98/51,DVP3126X/94

DVP3126K/56/93/96/98/61/51

Service

DVP3146/94,DVP3146X/94

DVP3146K/93/96/98

DVP3148K/51

# Service



# Service Manual

## TABLE OF CONTENTS

	Chapter
. Technical Specifications.....	1-2
. Safety Instruction, Warning & Notes.....	1-3
. Mechanical and Dismantling Instructions.....	2-1
. Region Code, Software Version& Upgrades.....	3-1
. Trouble Shooting Chart.....	4-1
. Wiring Diagram.....	5-1
. Electrical Diagrams and Print-layouts.....	6-1
. Set Mechanical Exploded View & Electrical Part list.....	7-1
. Electrical Parts List.....	8-1
. Revision List.....	9-1

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Version 1.2

**CLASS 1  
LASER PRODUCT**



3139 785 32882

# PHILIPS

## Technical Specifications

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

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

### Video performance

Video DAC	12 bit, 108MHz
YPbPr	0.7Vpp ---- 75 ohm
Video output	1Vpp ----- 75 ohm

### Video format

Digital Compression	MPEG 2 for DVD,SVCD MPEG 1 for VCD DivX® (For DVP3146/94,DVP3146K/98)
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<b>DVD</b>	<b>50Hz</b>	<b>60Hz</b>
Horiz resolution	720 pixels	720 pixels
Vertical resolution	576lines	480 lines

<b>VCD</b>	<b>50Hz</b>	<b>60Hz</b>
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) 96,112,128,256,320kbps & variable bit rate fs,32, 44.1,48 kHz
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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
Signal-Noise (1kHz)	>90dB
Dynamic Range (1kHz)	>80dB
Cross talk (1kHz)	>70dB
Distortion/Noise (1kHz)	>65dB
MPEG MP3	MPEG Audio L3

6 Channal analog ouput

Audio Front L/R	Cinch( White/Red)
Audio Rear L/R	Cinch( White/Red)
Audio Center	Cinch( Blue)
Audio Subwoofer	Cinch(Black)

### 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, Dolby Digital

### Cabinet

Dimensions (w X h X d)	360 x 37 x 209 mm /360 x 38 x 209 mm
Weight	Approximately 1.35kg

### Power consumption

Power supply Rating	110V -240V; 50/60HZ
Power consumption	<10W
Power consumption in standby mode	<1W

**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 1M $\Omega$ .
  - 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

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### 1. General

. All ICs and many other semiconductors are susceptible to electrostatic discharges (ESD). Careless handling 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 handling 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: Manufactured under licence from Dolby Laboratories. The double-D symbol is trademarks of Dolby Laboratories, Inc. All rights reserved.

## Notes

### Lead-Free requirement for service

#### IDENTIFICATION:

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](http://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

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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.

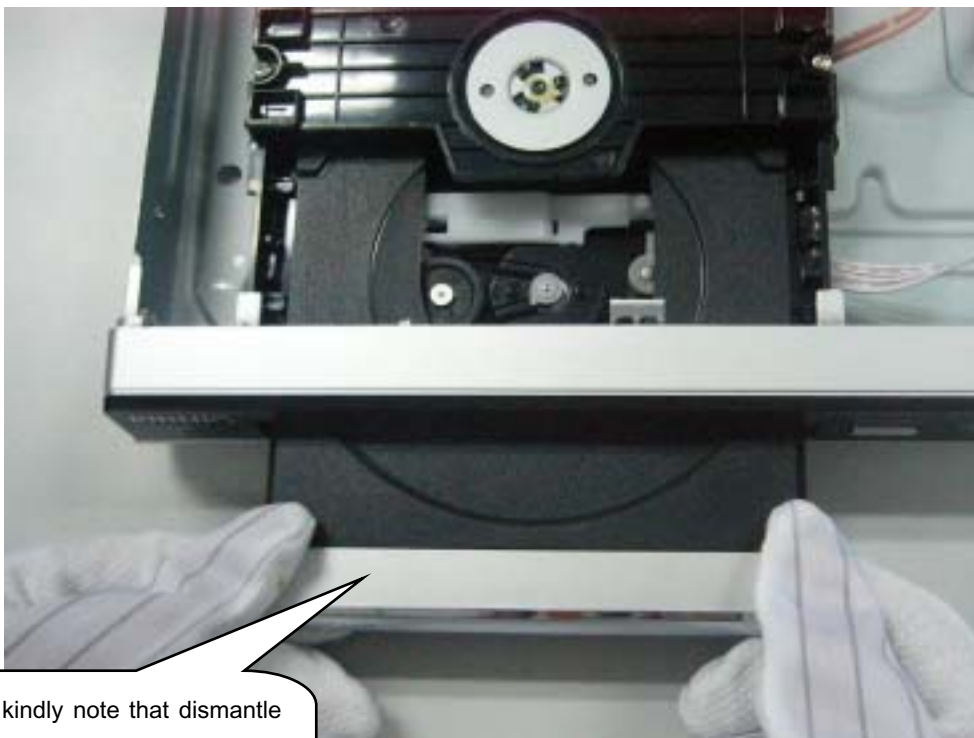


Figure 2

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

## 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 1 screw around the Loader. (Figure 4)

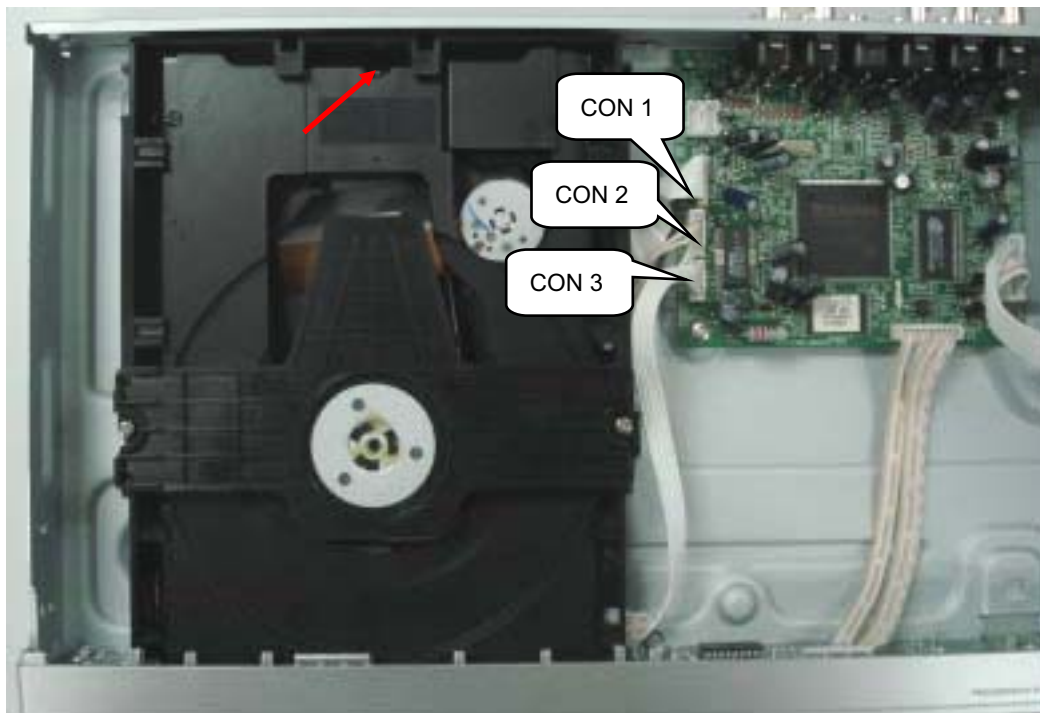


Figure 4



## 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)

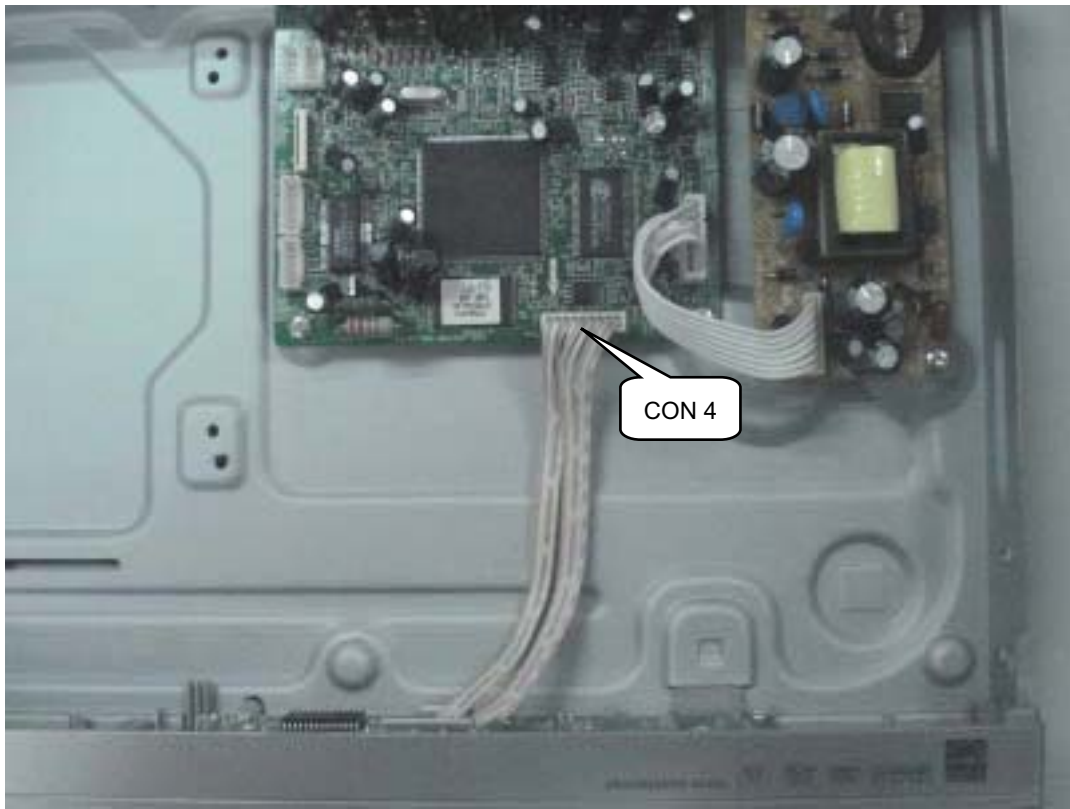


Figure 5

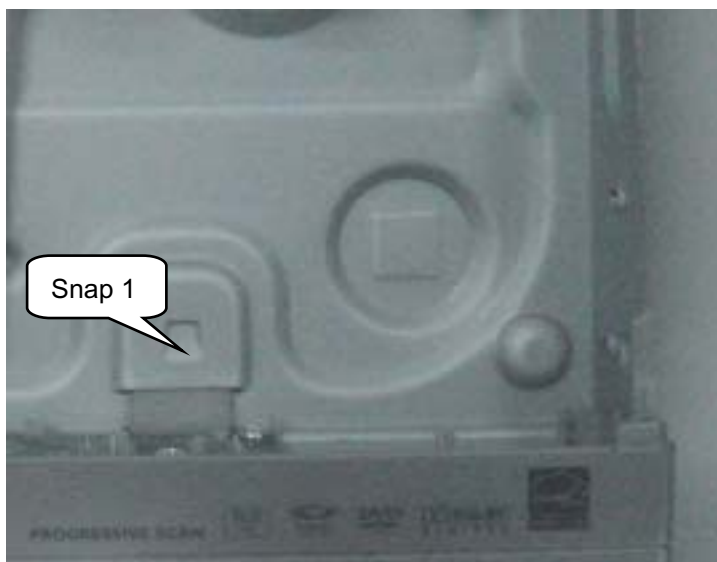


Figure 6

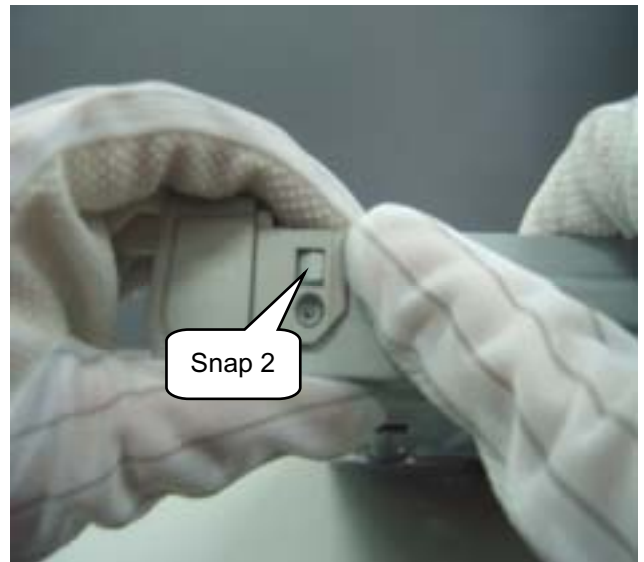


Figure 7



## Mechanical and Dismantling Instructions

### Dismantling Instruction

**Step6:** Dismantling Main Board, first disconnect the 1 connector, then remove 4 screws to remove the Main board. (Figure 8)

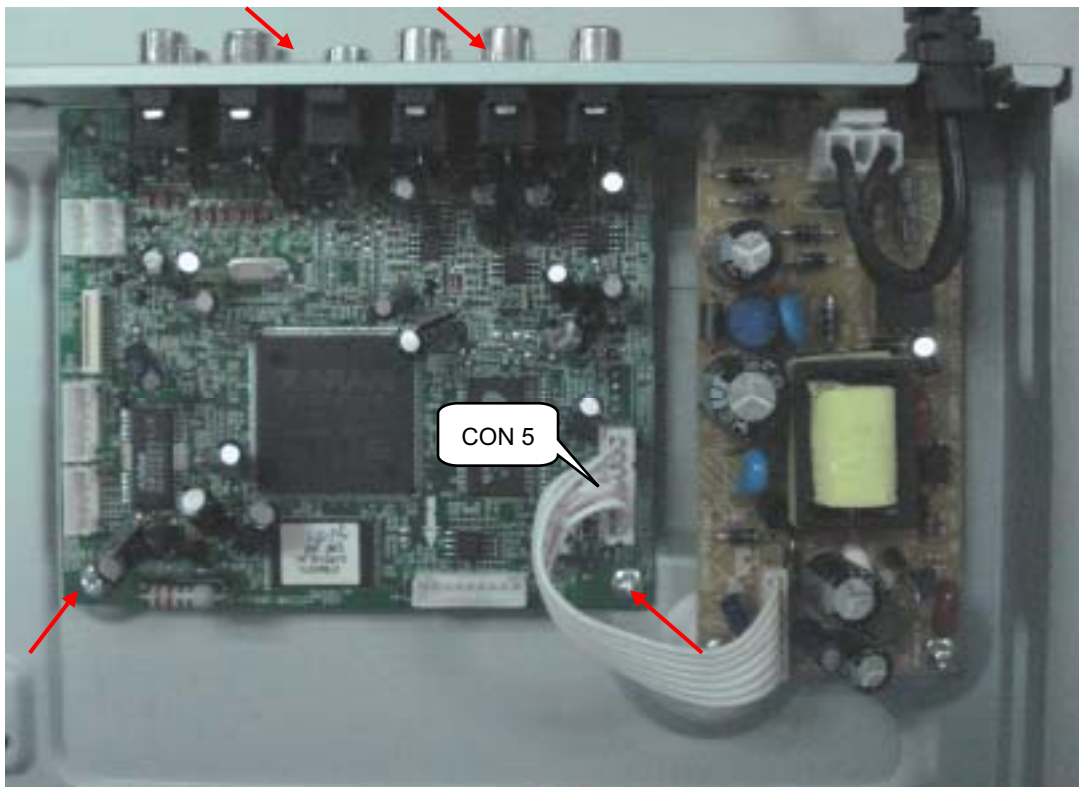


Figure 8

**Step7:** Remove the 2 screws on Power Board to dismantle the Power Board. (Figure 9)



Figure 9

## 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

### 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

### 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

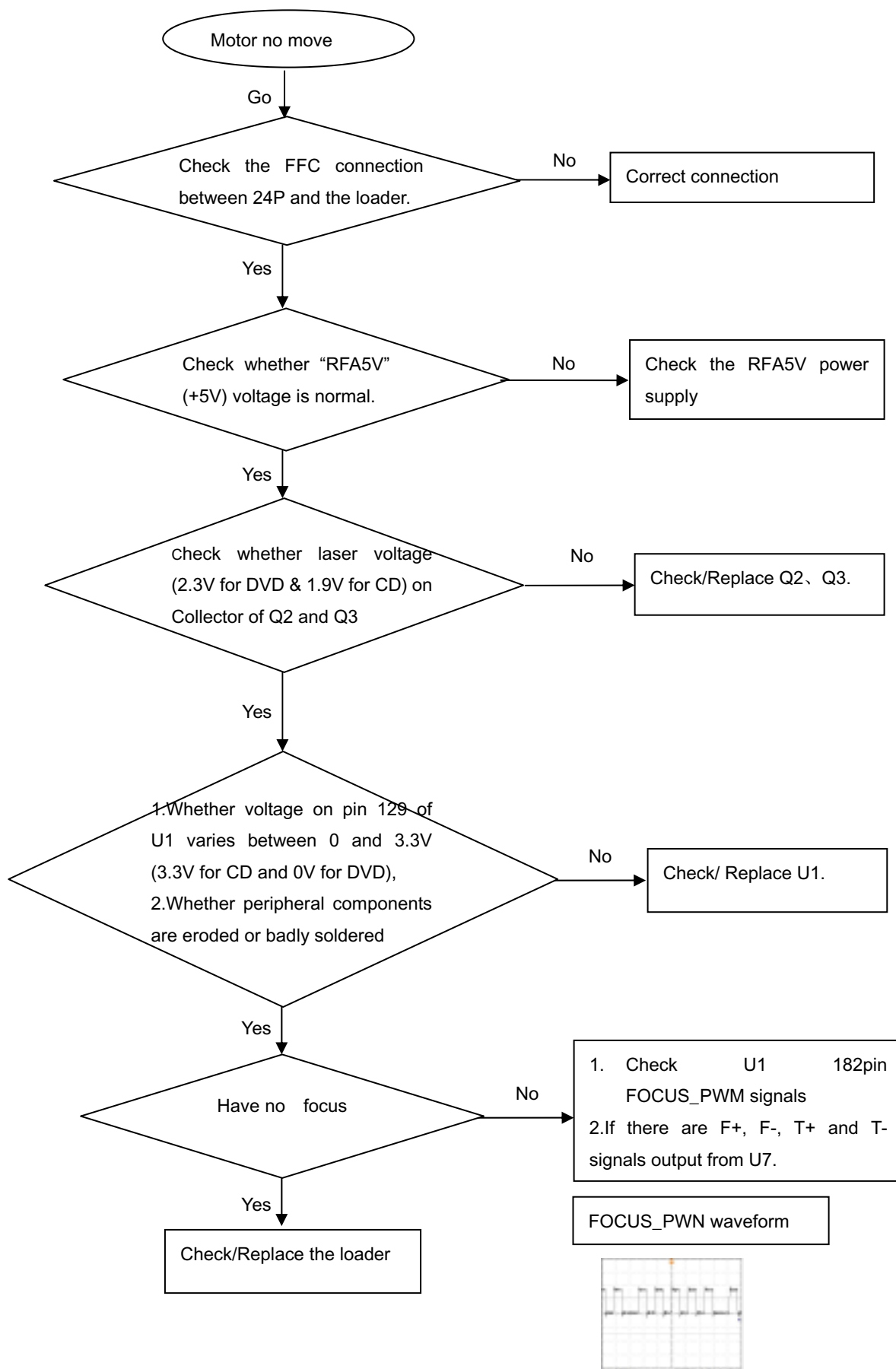
Cancel

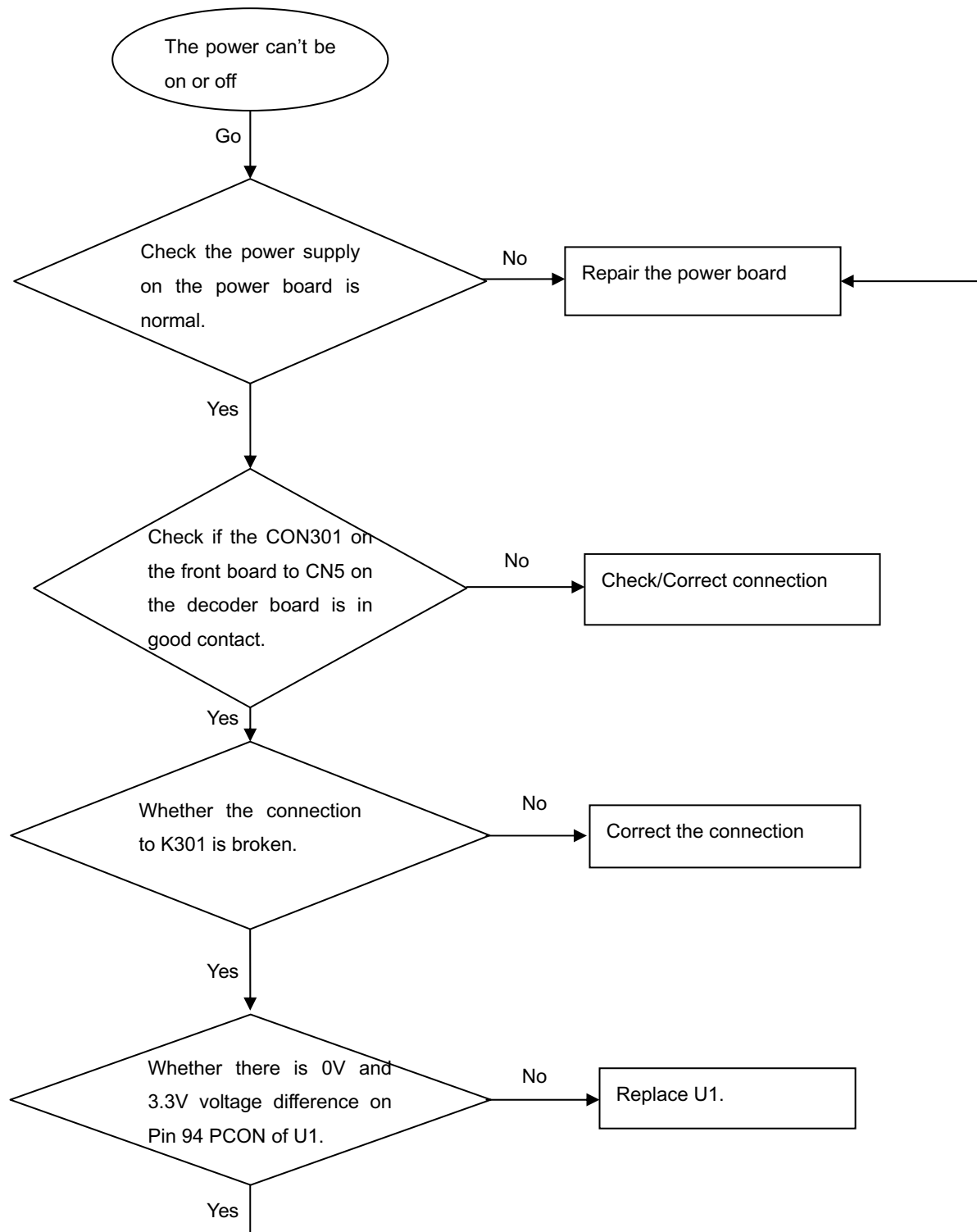
Select **Start** to start upgrade.
- 3) Press <OK> button to confirm, then screen will display :  

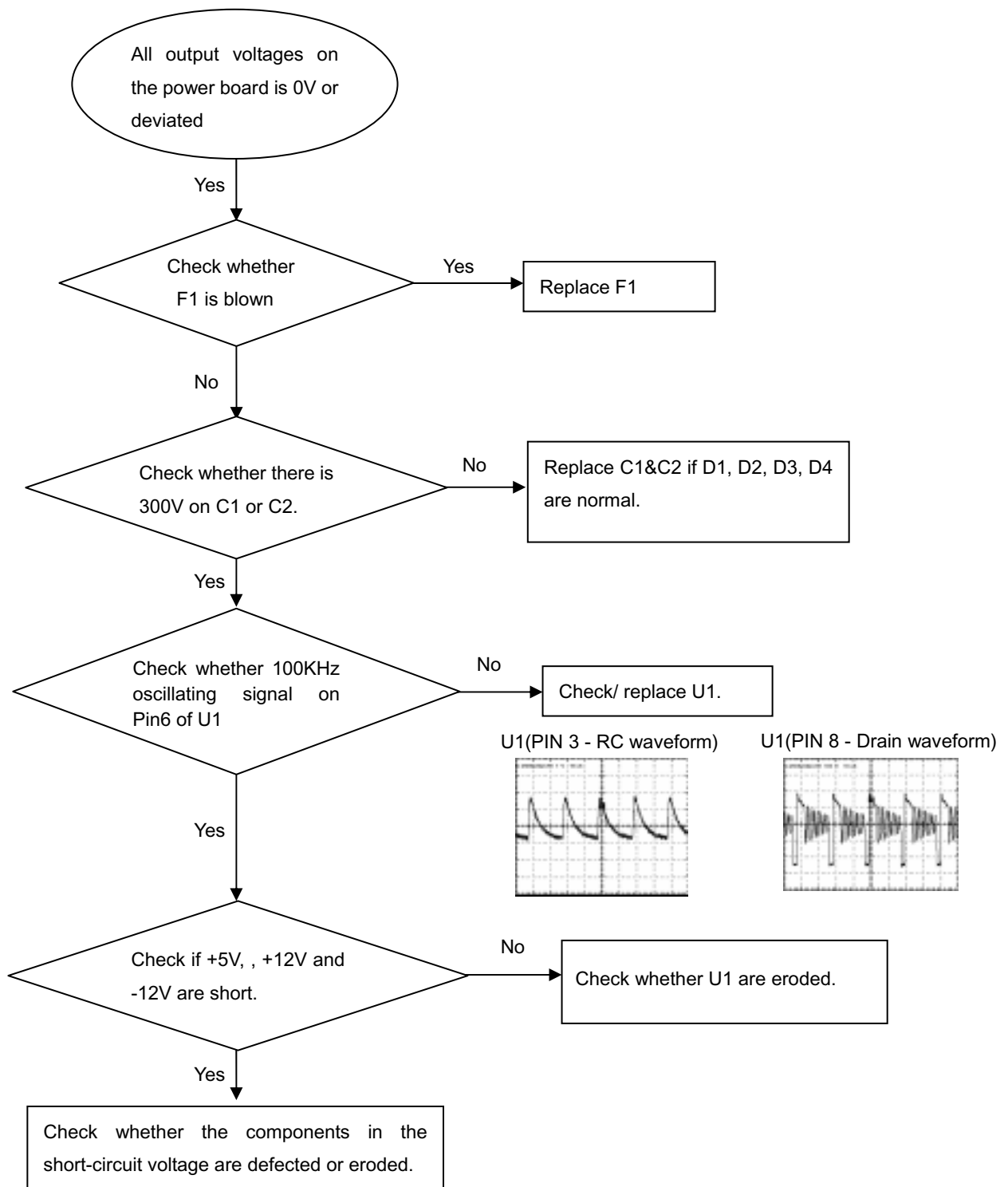
Firmware Upgrade Programming, Please Wait...

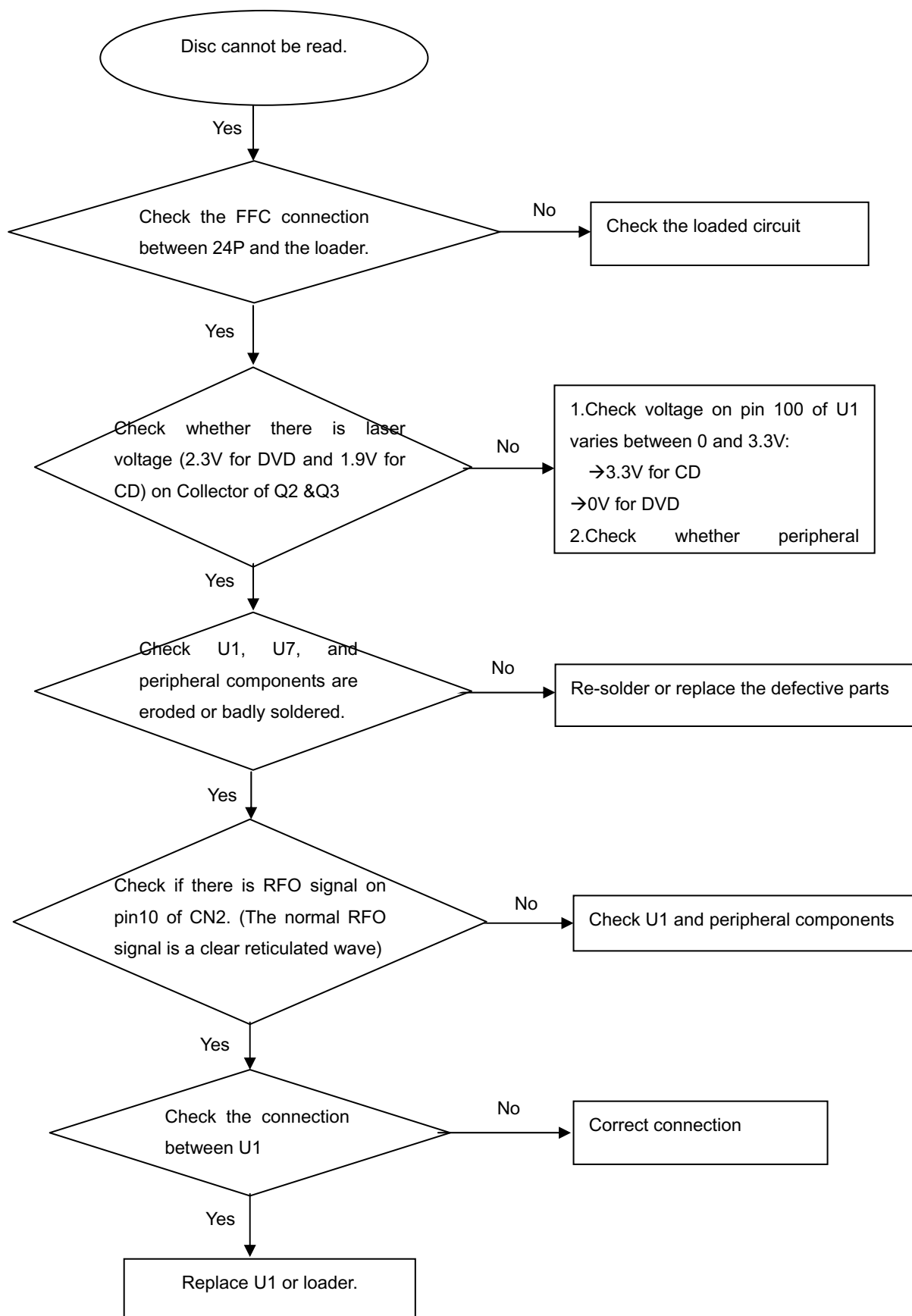
Do not Switch the Player Off !
- 4) The upgraded disc will automatically out when files coping complete, then take out the disc.
- 5) About 1 minute later, the tray will automatically close when upgrading complete.

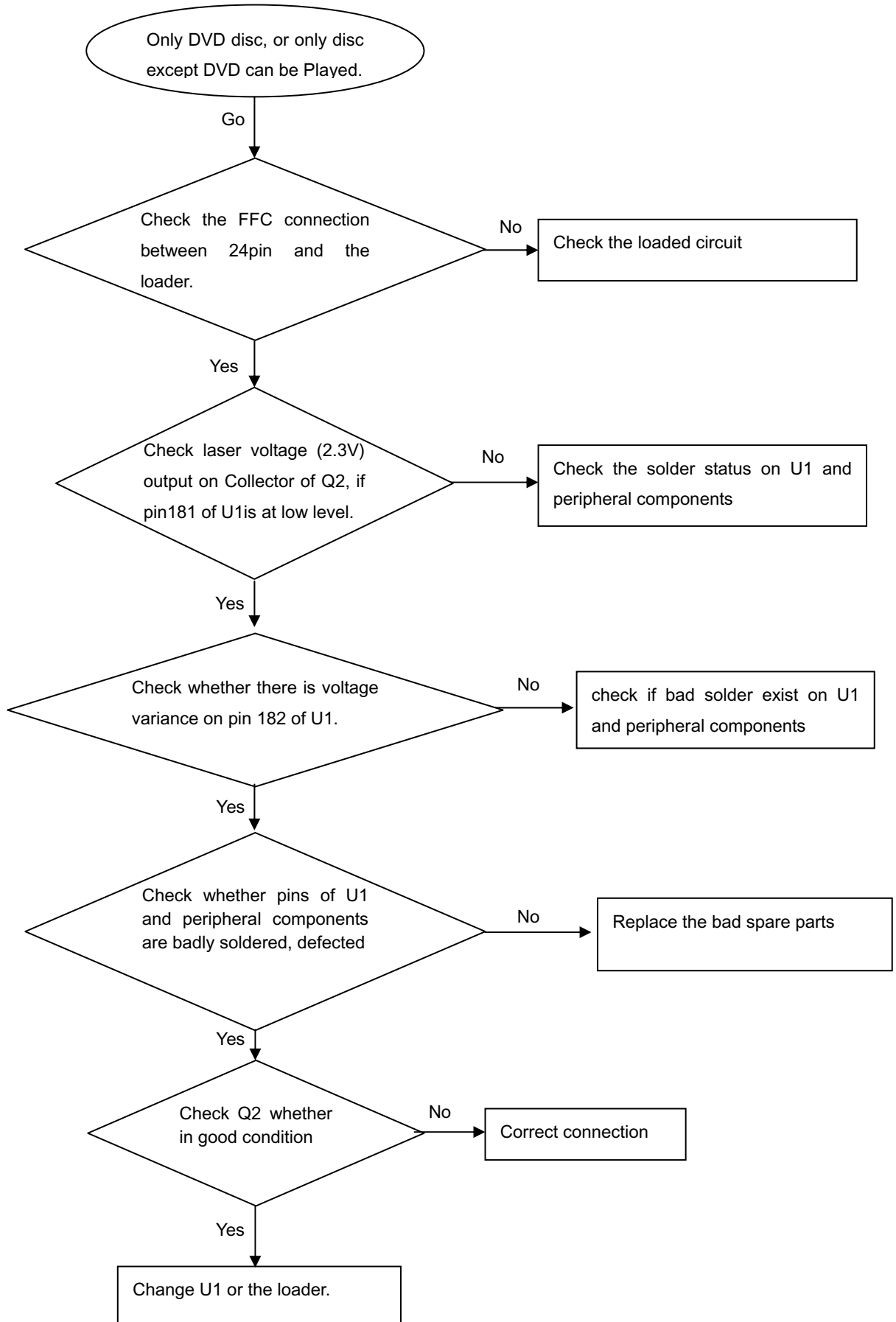
**Caution:** The set must not be power off during upgrading, Otherwise the Main board will be damaged entirely.

**Spindle motor does not move**

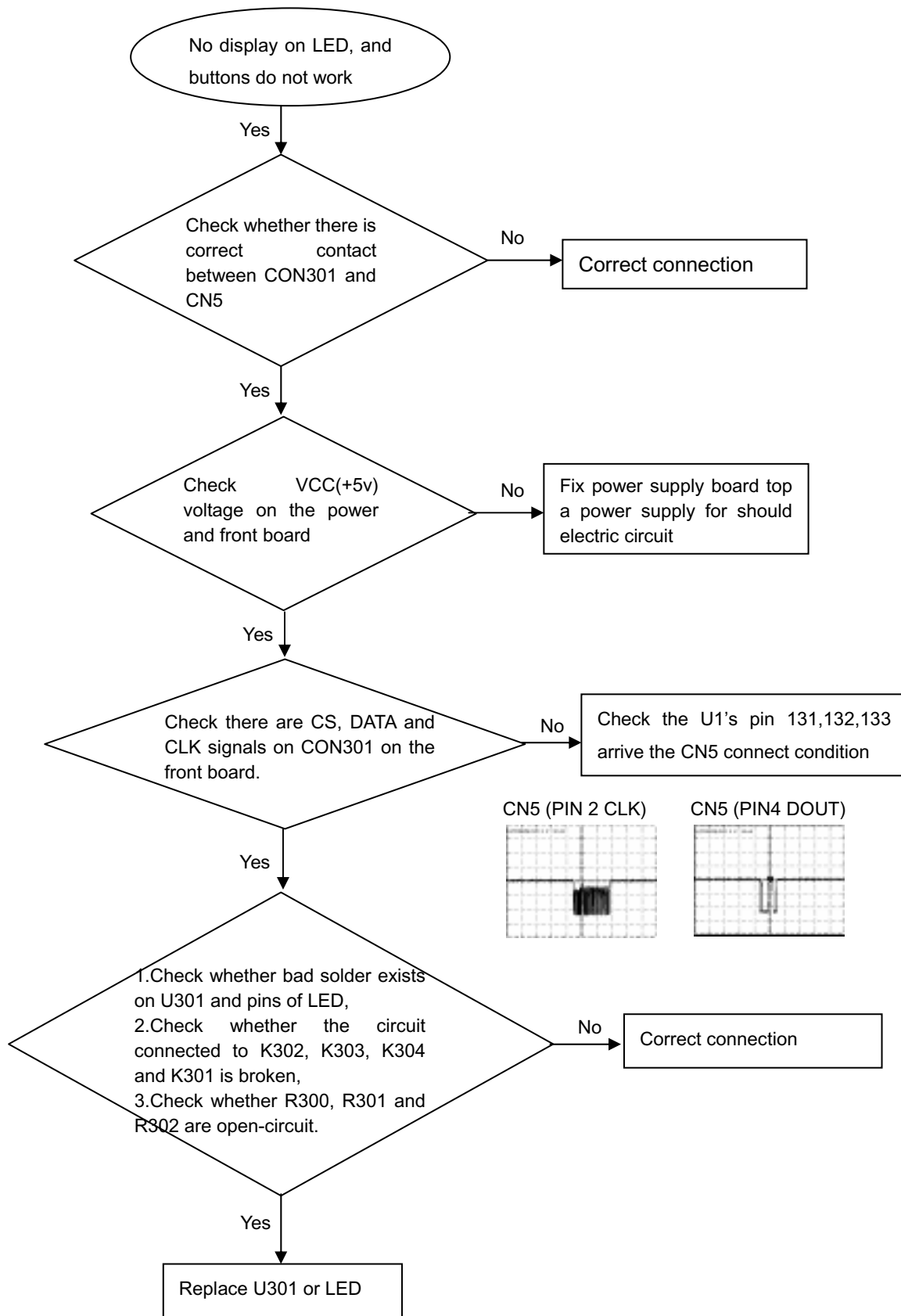
**The power can not be on or off**

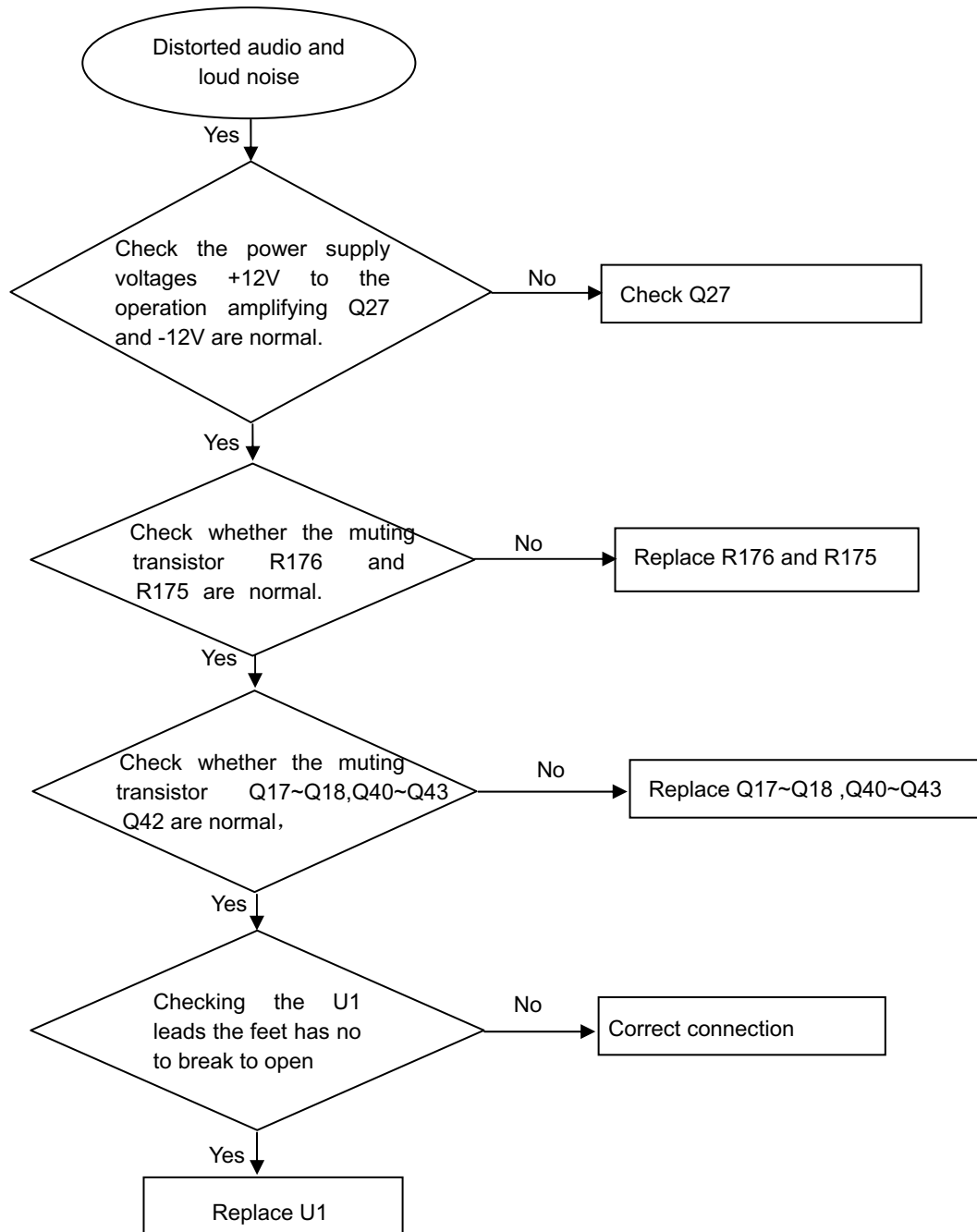
**All output voltages on the power board is 0V or deviated.**

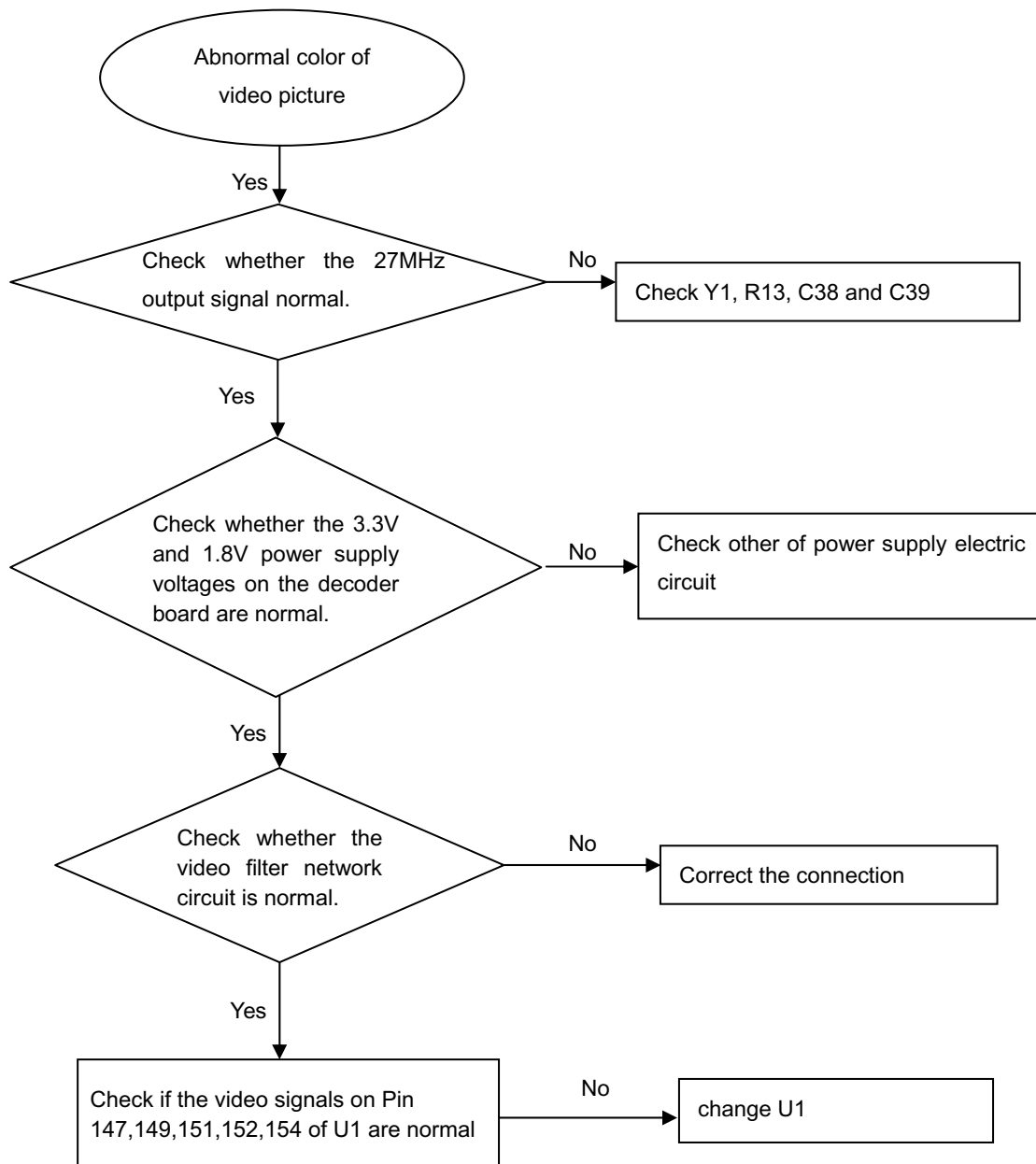
**Disc cannot be read.**

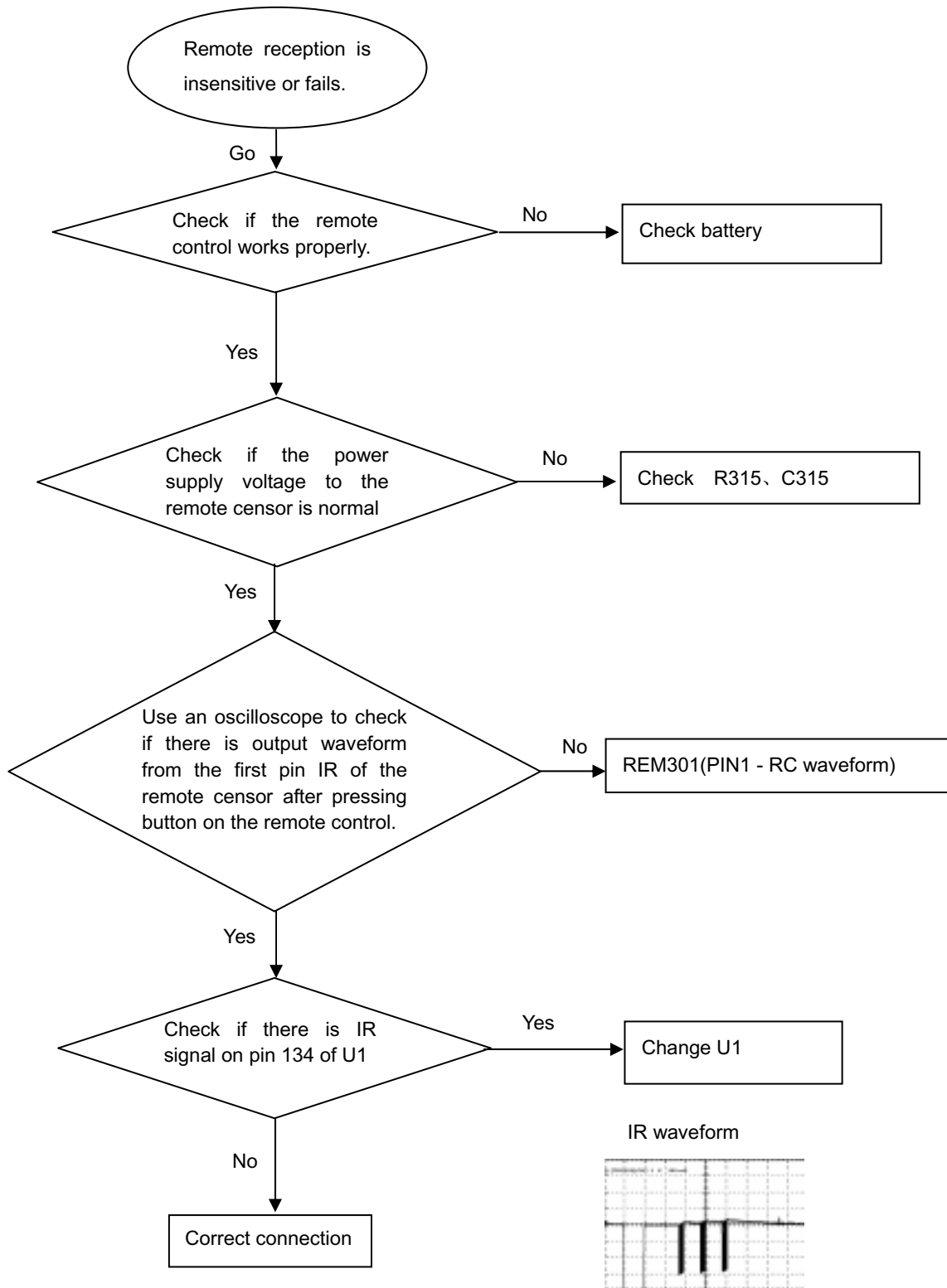
**Only DVD disc or only disc except DVD can be played**

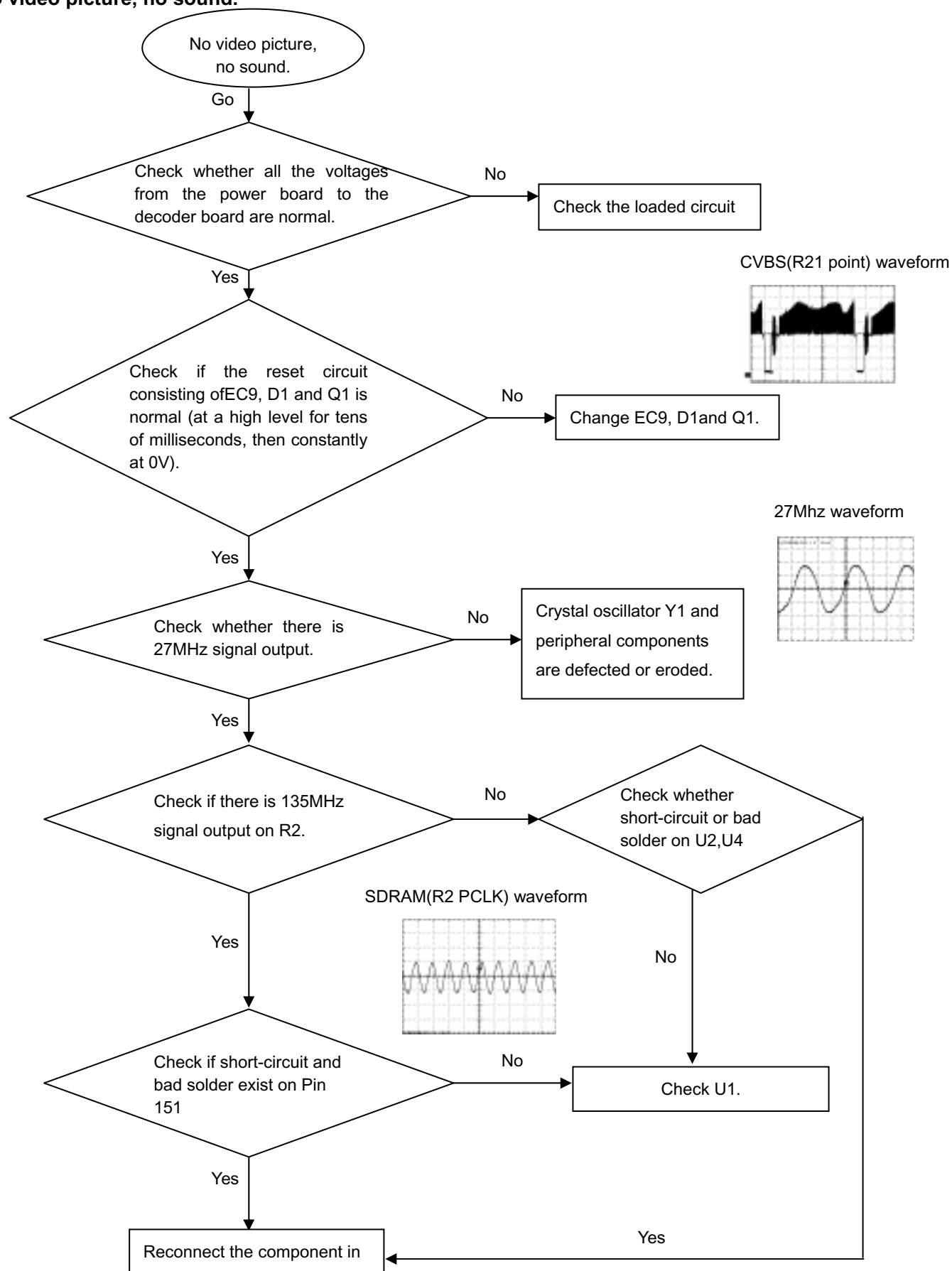


**No display on LED, and buttons do not work**

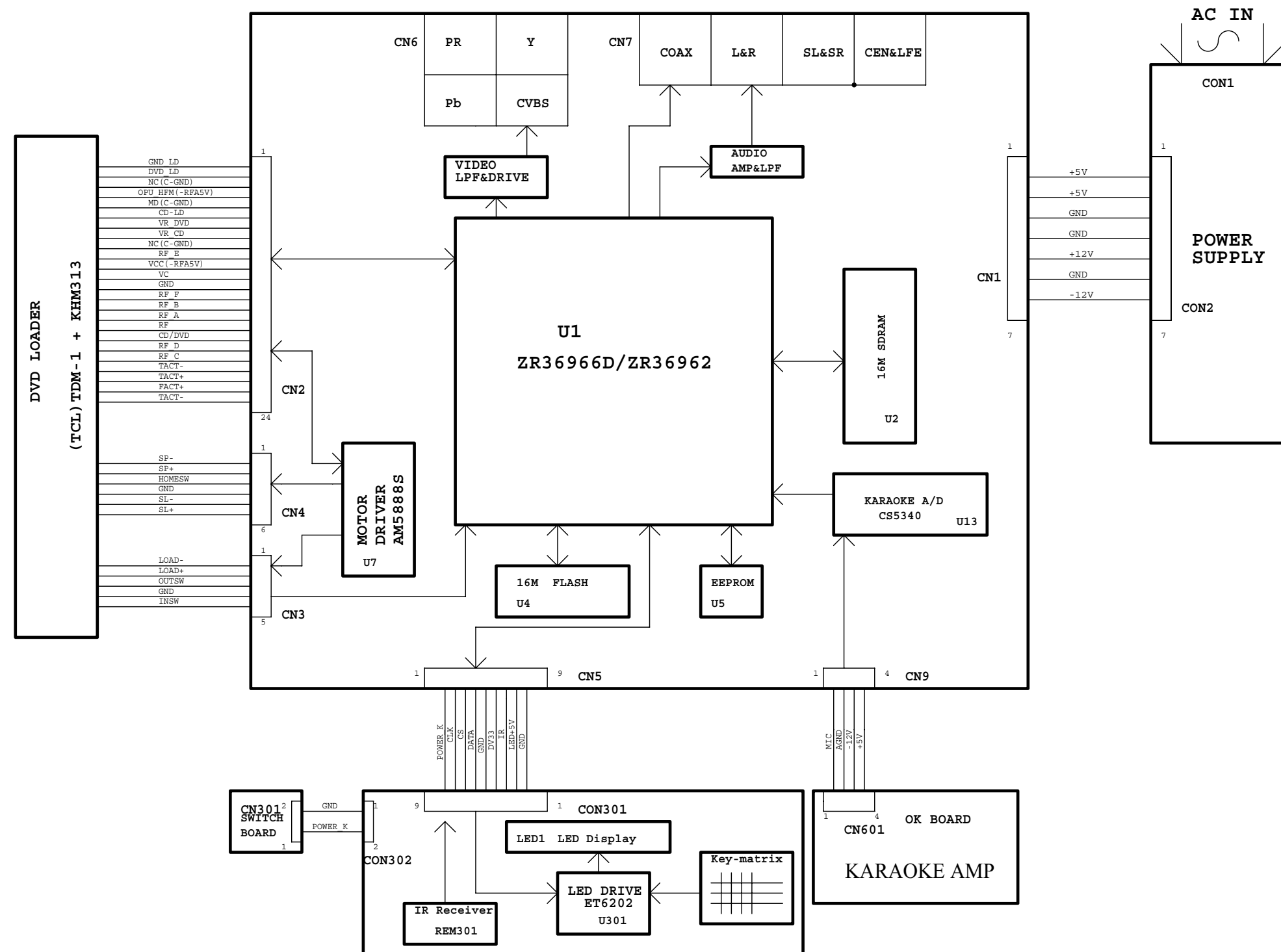
**Distorted audio and loud noise**

**Abnormal color of video picture**

**Remote reception is insensitive or fails.**

**No video picture, no sound.**

## DVP3126 (K) /XX, DVP3146 (K) /XX, DVP3148K/XX WIRING DIAGRAM



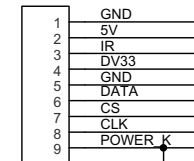
Remark:DVP3146 DVP3126 have no Karaoke.

Remark:DVP3146 (K) USE ZORAN36966,DVP3126 (k) USE ZORAN36962.

# Front Board Electric Diagram for DVP3126(K)/XX, DVP3146(K)/XX, DVP3148K/XX

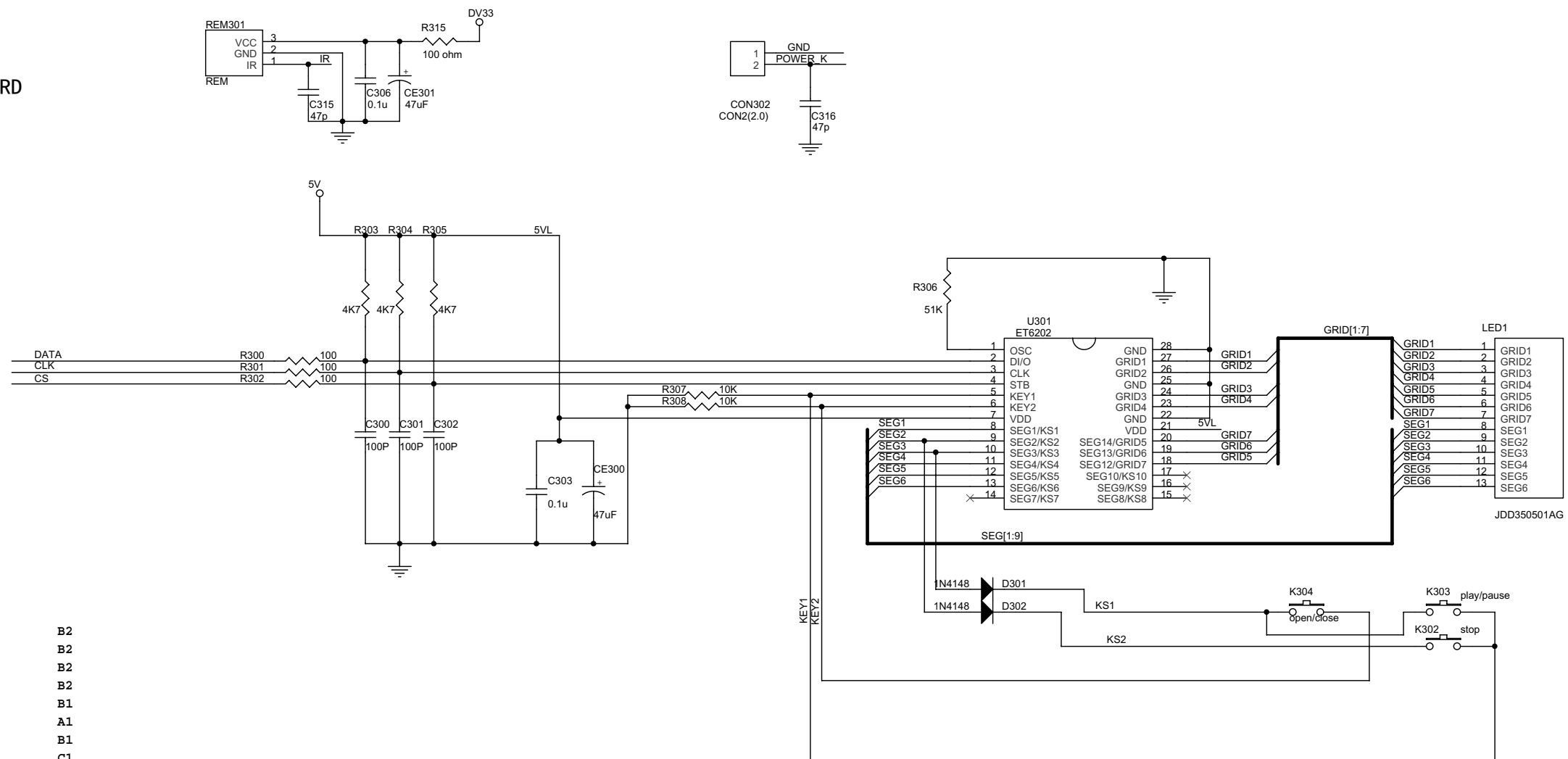
FROM MAIN BOARD

CON301



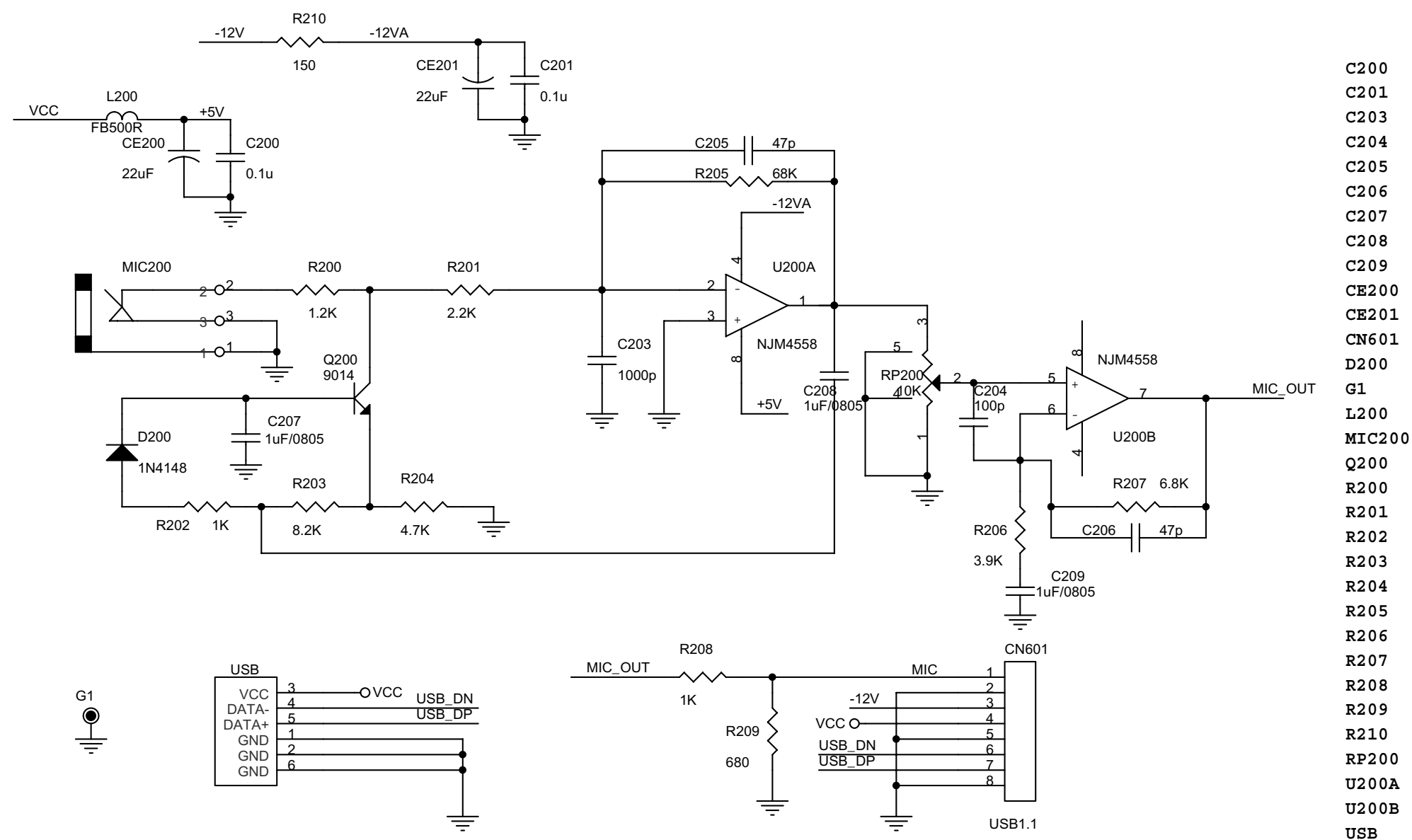
CON9(2.0)

C300	B2
C301	B2
C302	B2
C303	B2
C306	B1
C314	A1
C315	B1
C316	C1
CE300	C2
CE301	B1
CON301	A1
CON302	C1
D301	D2
D302	D2
K302	E3
K303	E2
K304	D2
LED1	E2
R300	B2
R301	B2
R302	B2
R303	B2
R304	B2
R305	B2
R306	C1
R307	C2
R308	C2
R315	B1
REM301	B1
U301	D2

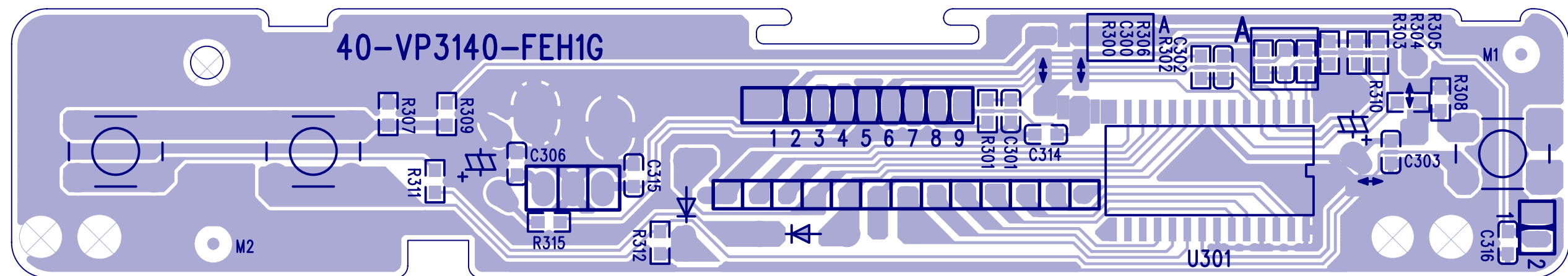




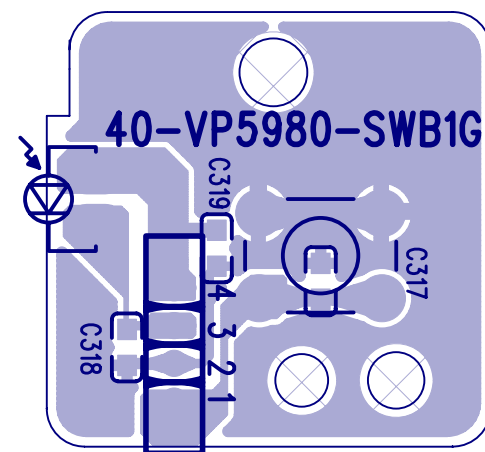
OK+USB Board Electric Diagram for DVP3126K/XX, DVP3146K/XX, DVP3148K/XX



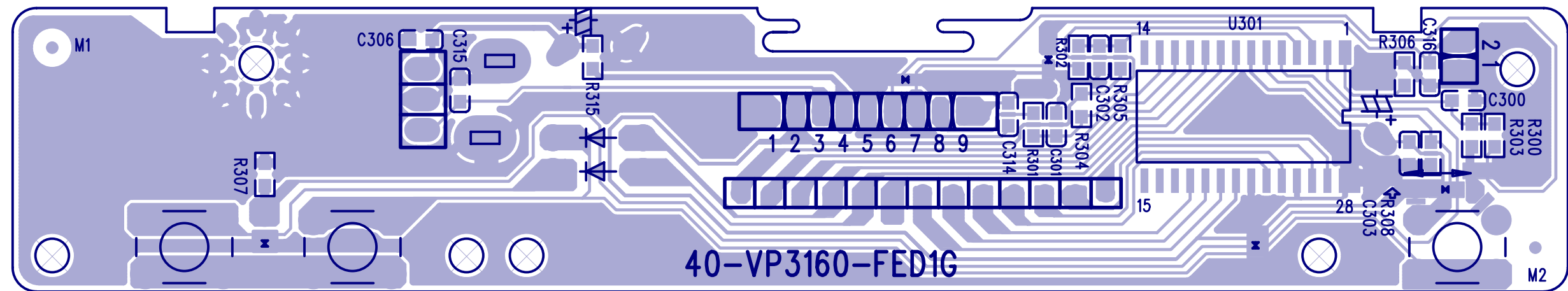
Front Board Print-Layout (Bottom Side) for DVP3126(K)/XX, DVP3146(K)/XX, DVP3148K/XX



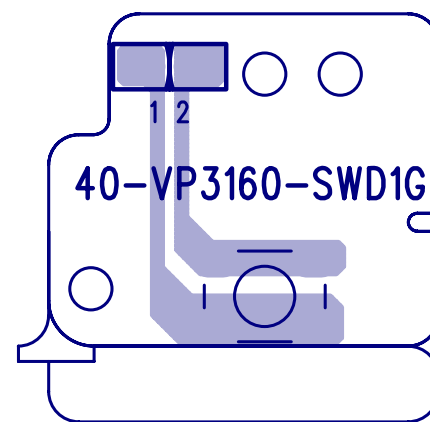
Switch Board Print-Layout (Bottom Side) for DVP3126(K)/XX, DVP3146(K)/XX, DVP3148K/XX




Front Board Print-Layout (Bottom Side) for DVP3146K/98, DVP3148K/51

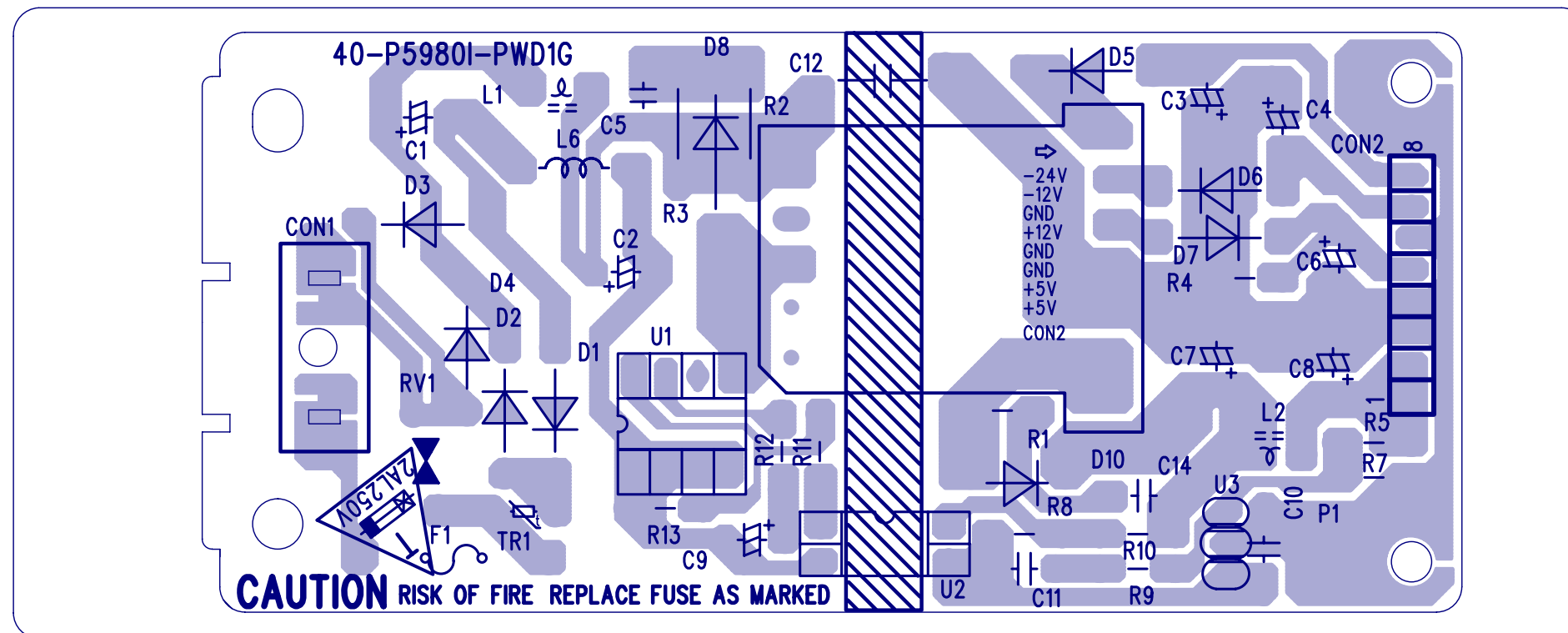


Switch Board Print-Layout (Bottom Side) for DVP3146K/98, DVP3148K/51

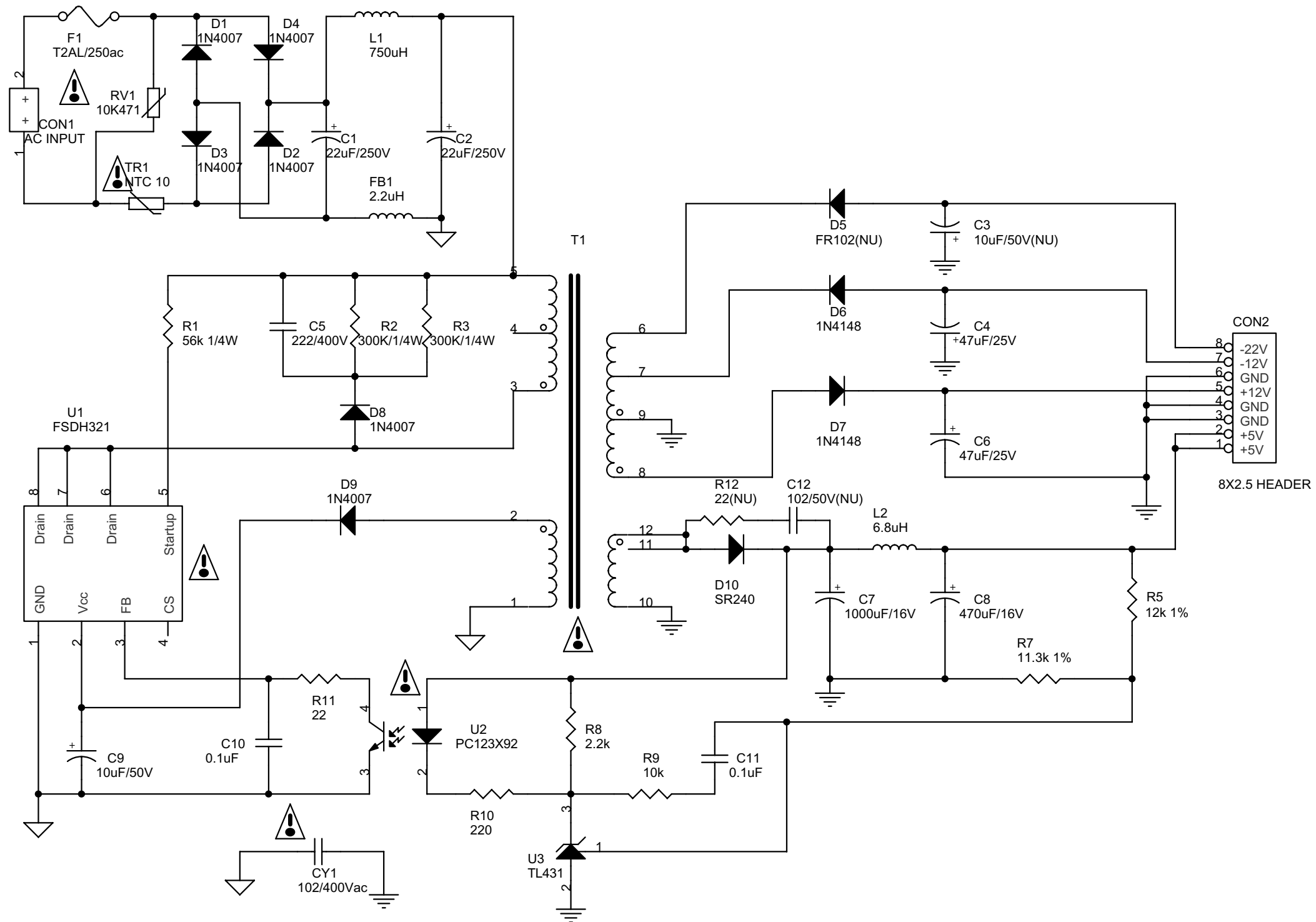


**\* CAUTION :**  
THE PARTS MARKED WITH  ARE IMPORTANT PARTS ON THE SAFETY.  
PLEASE USE THE PARTS HAVING THE DESIGNATED PARTS NUMBER WITHOUT FAIL.

Power Board Print-Layout (Bottom Side) for DVP3126(K)/XX



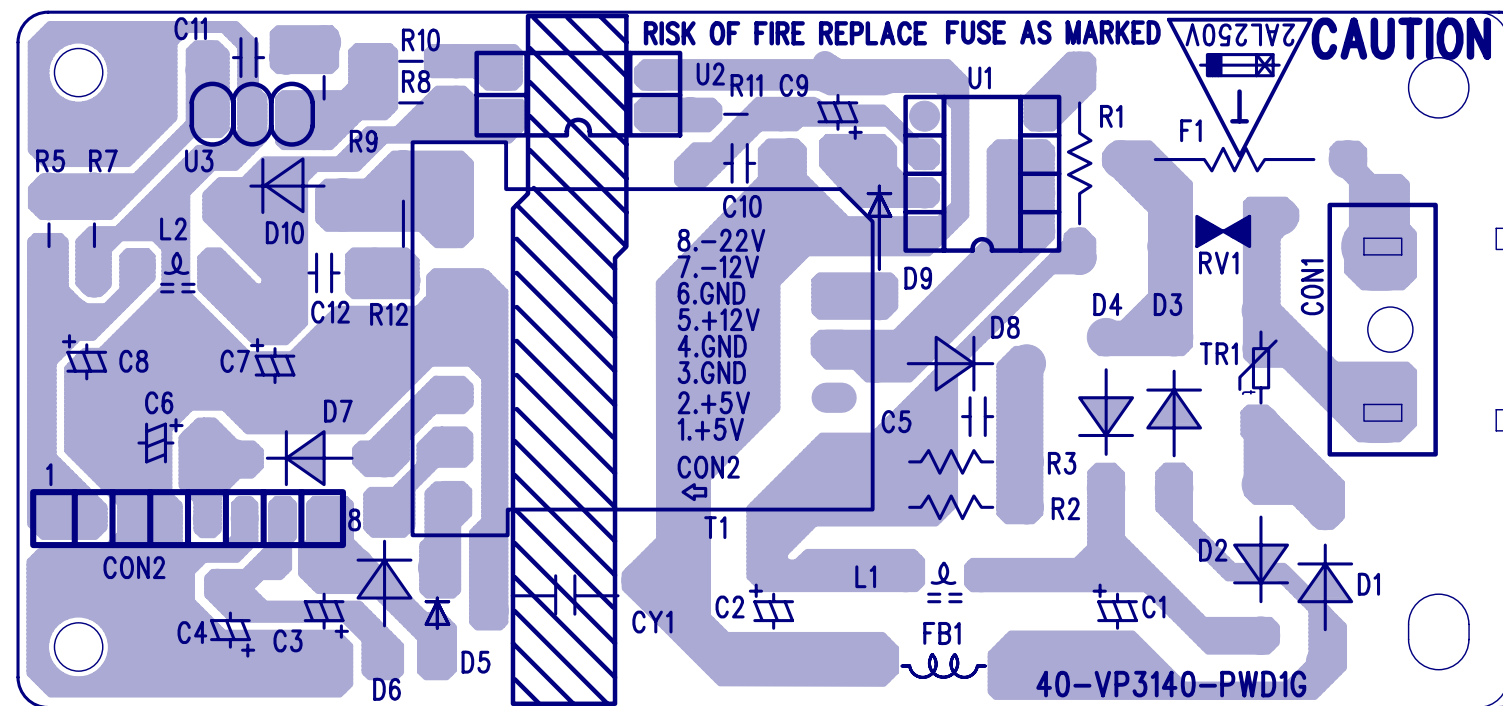
### Power Board Electric Diagram for DVP3146(K)/XX, DVP3148K/XX



C1	B1
C10	A3
C11	C3
C12	C2
C2	B1
C3	C1
C4	C2
C5	A2
C6	C2
C7	C3
C8	C3
C9	A3
CON1	A1
CON2	D2
CY1	B4
D1	A1
D10	C3
D2	A1
D3	A1
D4	A1
D5	C1
D6	C2
D7	C2
D8	B2
D9	B2
F1	A1
FB1	B1
L1	B1
L2	C3
R1	A2
R10	B3
R11	A3
R12	C2
R2	B2
R3	B2
R5	D3
R7	D3
R8	B3
R9	B3
RV1	A1
T1	B2
TR1	A1
U1	A2
U2	B3
U3	B3

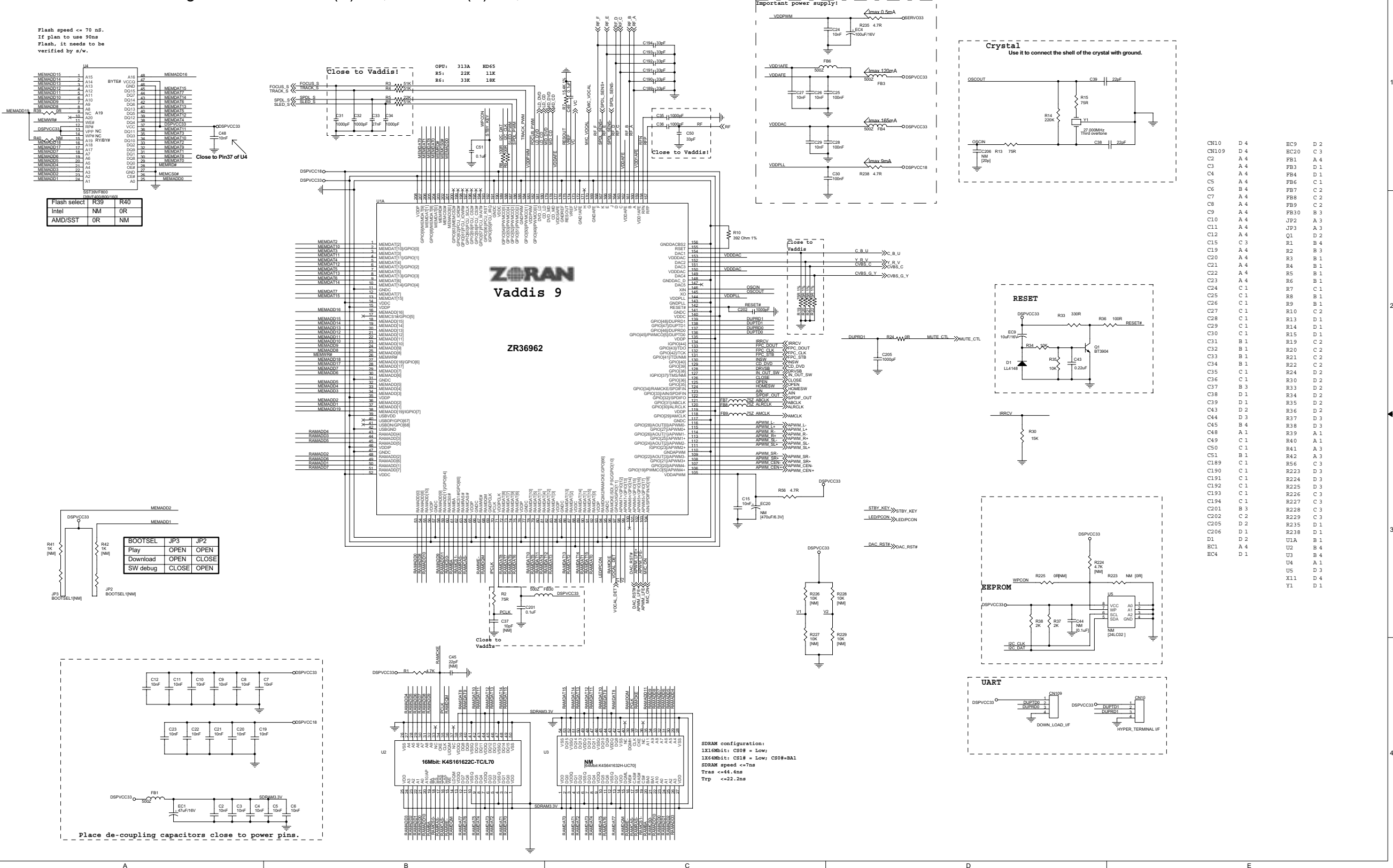
**\* CAUTION :**  
THE PARTS MARKED WITH  ARE IMPORTANT PARTS ON THE SAFETY.  
PLEASE USE THE PARTS HAVING THE DESIGNATED PARTS NUMBER WITHOUT FAIL.

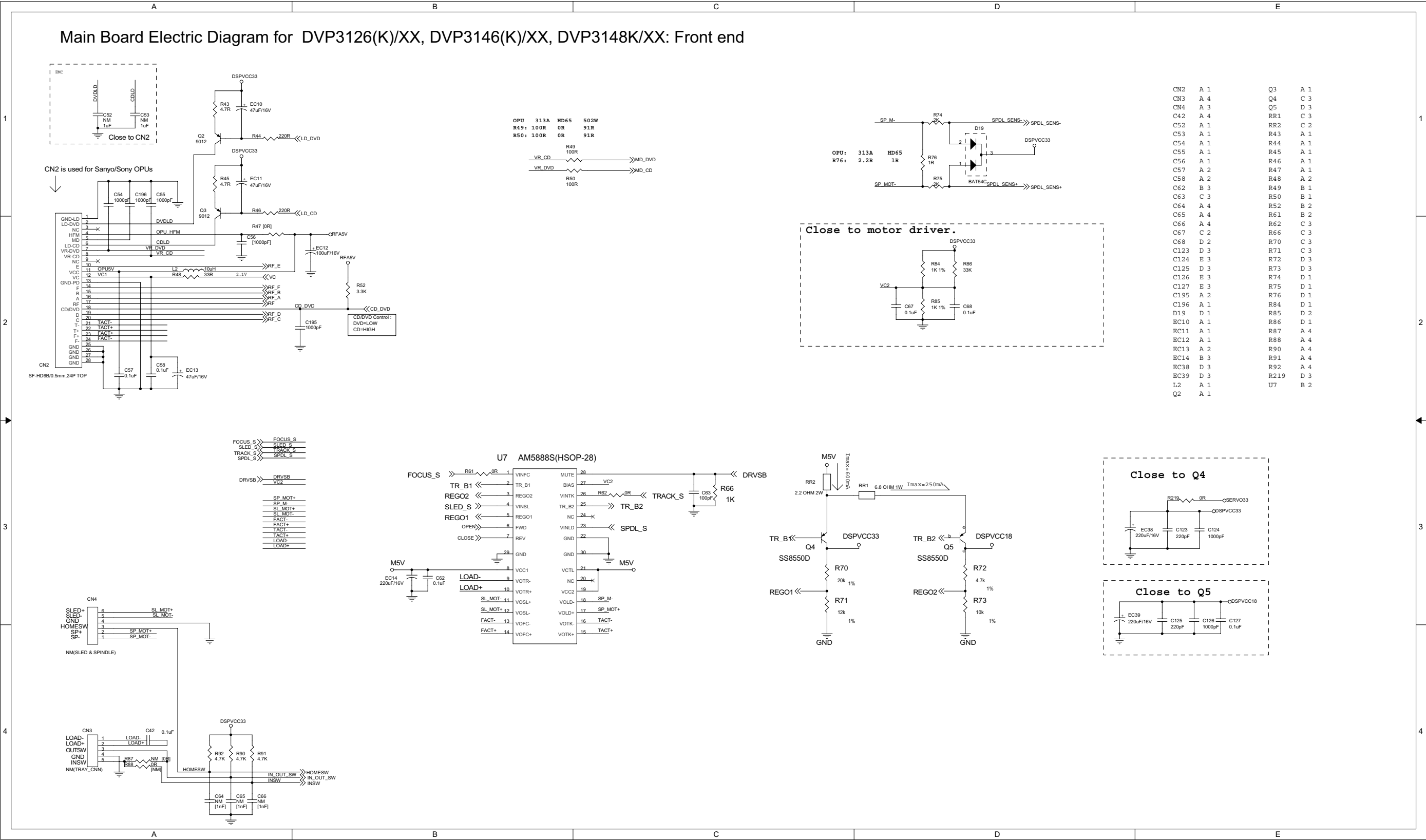
Power Board Print-Layout (Bottom Side) for DVP3146(K)/XX, DVP3148K/XX



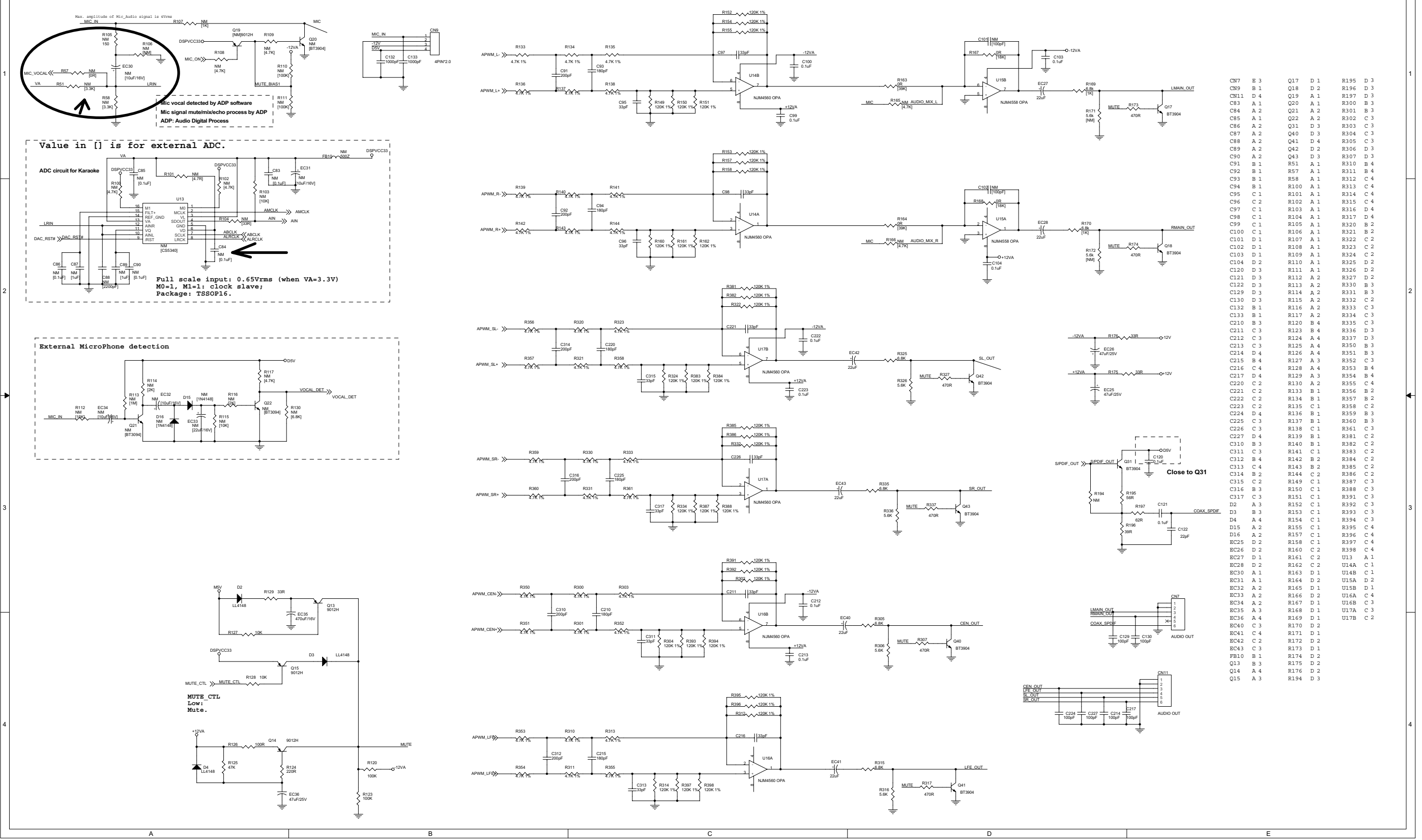


## Main Board Electric Diagram for DVP3126(K)/XX, DVP3146(K)/XX, DVP3148K/XX: INDEX

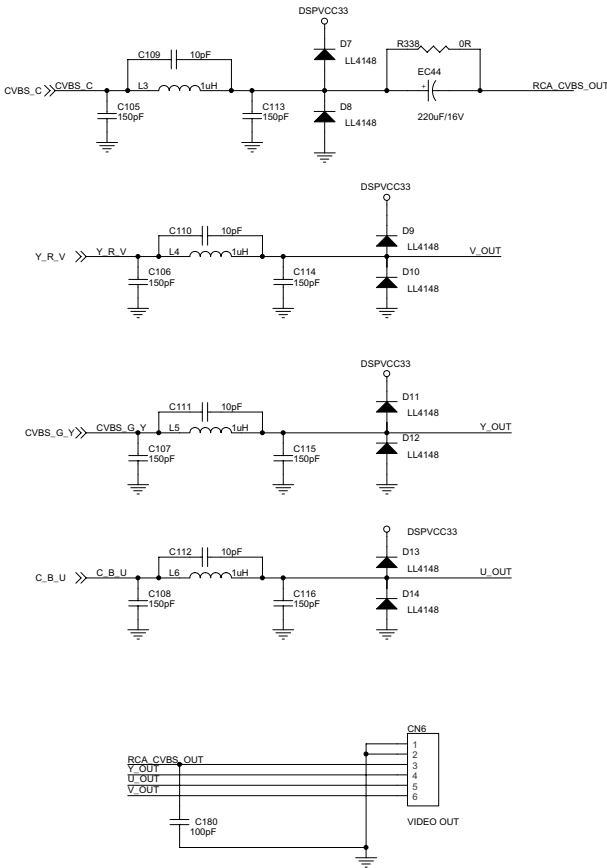
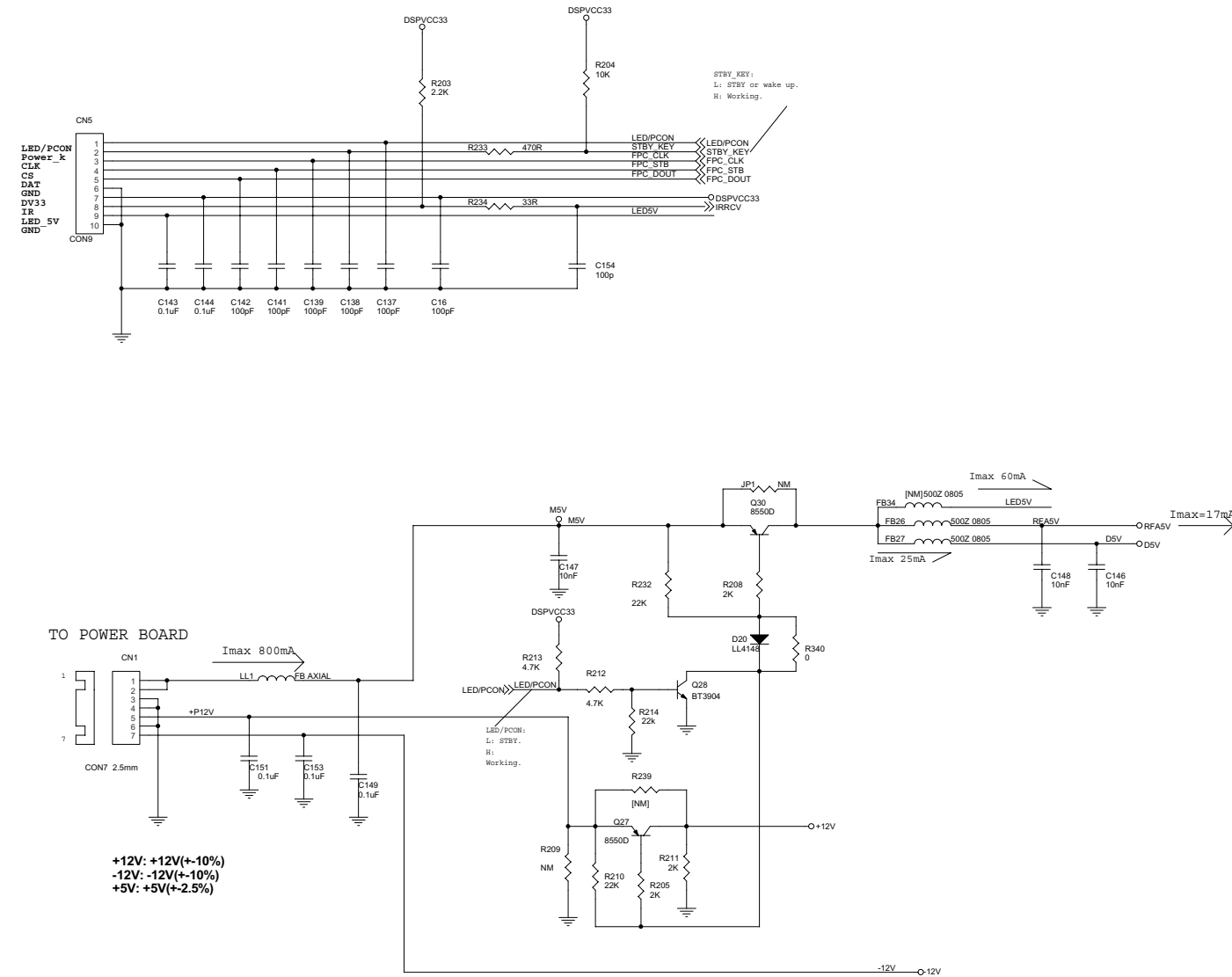




Main Board Electric Diagram for DVP3126(K)/XX, DVP3146(K)/XX, DVP3148K/XX: Audio Input\_Outp

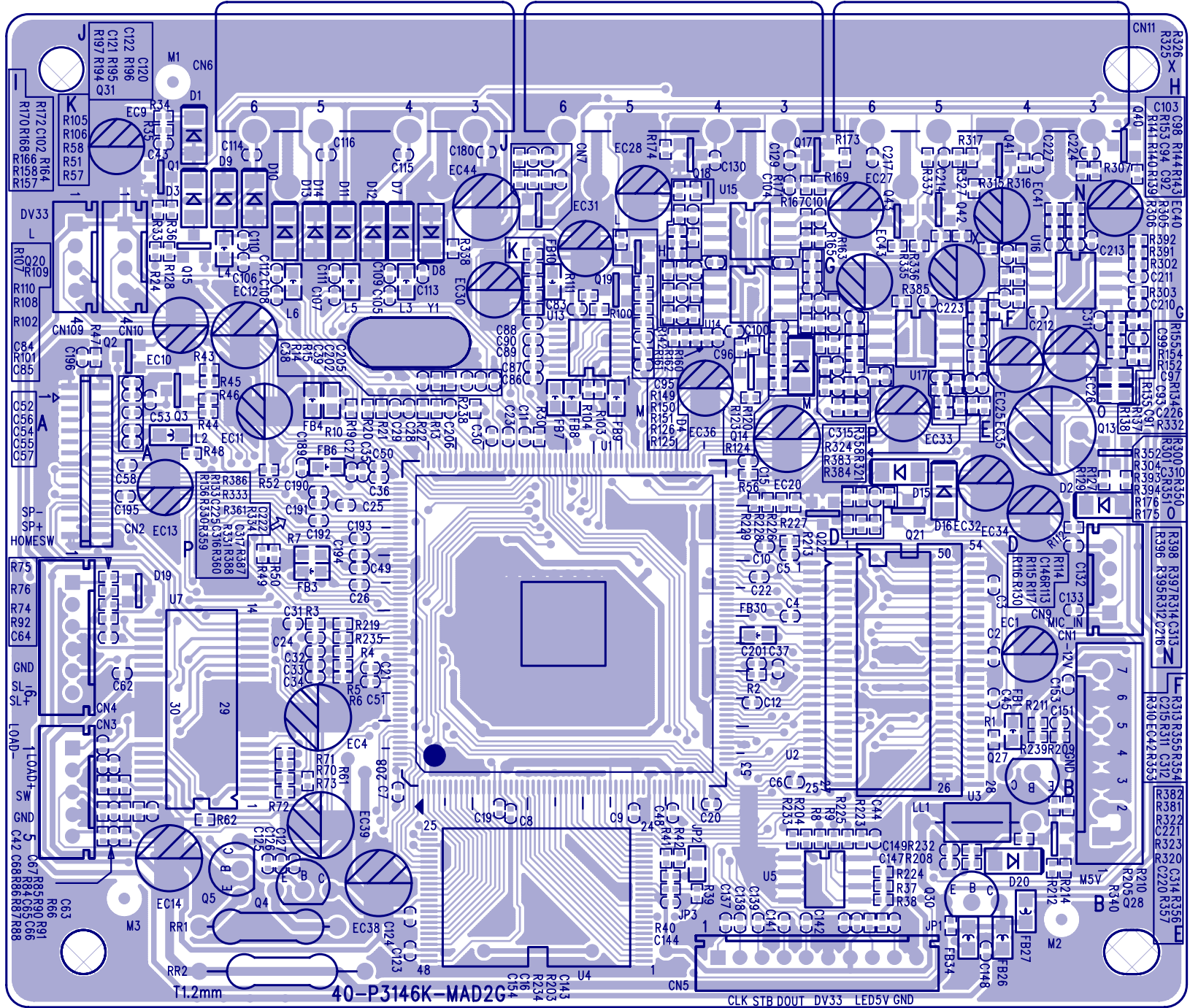


Main Board Electric Diagram for DVP3126(K)/XX, DVP3146(K)/XX, DVP3148K/XX: Power\_Video Out\_

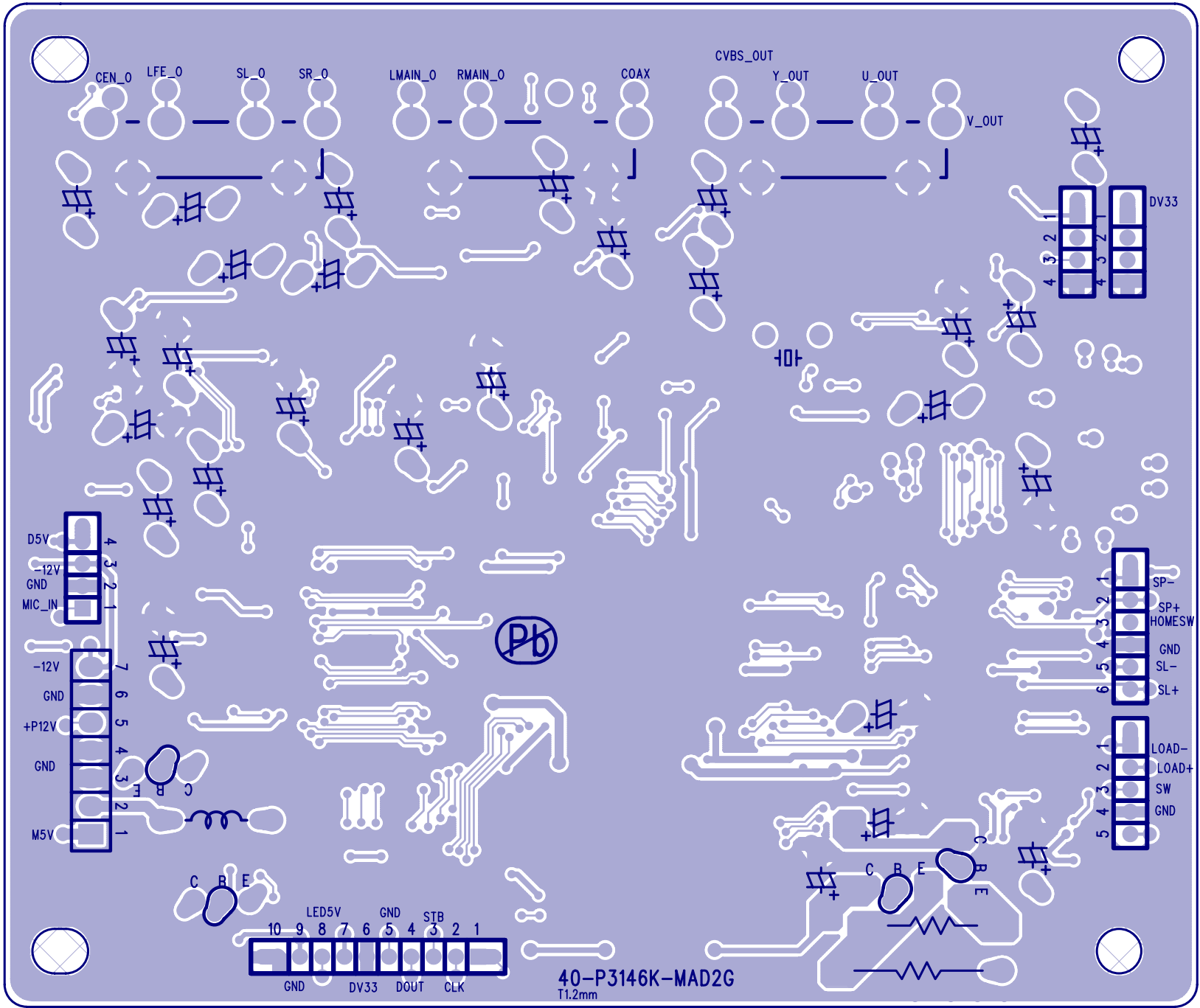


CN1	A 3
CN5	A 1
CN6	D 3
C16	A 2
C105	C 2
C106	C 2
C107	C 2
C108	C 3
C109	C 1
C110	D 2
C111	D 2
C112	D 3
C113	D 2
C114	D 2
C115	D 2
C116	D 3
C137	A 2
C138	A 2
C139	A 2
C141	A 2
C142	A 2
C143	A 2
C144	A 2
C146	C 3
C147	B 2
C148	C 3
C149	A 3
C151	A 3
C153	A 3
C154	B 2
C180	C 3
D7	D 1
D8	D 1
D9	D 2
D10	D 2
D11	D 2
D12	D 2
D13	D 3
D14	D 3
D20	B 3
EC44	D 1
FB26	B 2
FB27	B 2
FB34	B 2
JP1	B 2
LL1	A 3
L3	C 1
L4	C 2
L5	C 2
L6	C 3
Q27	B 3
Q28	B 3
Q30	B 2
R203	A 1
R204	B 1
R205	B 3
R208	B 3
R209	B 3
R210	B 3
R211	B 3
R212	B 3
R213	B 3
R214	B 3
R232	B 3
R233	B 1
R234	B 2
R239	B 3
R338	D 1
R340	B 3

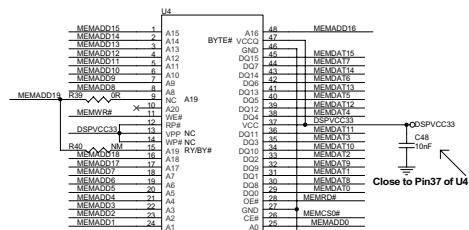
Main Board Print-Layout (Top Side) for DVP3126(K)/XX, DVP3146(K)/XX, DVP3148K/XX



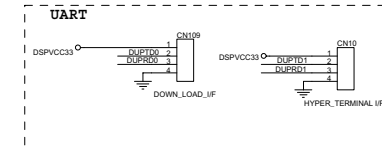
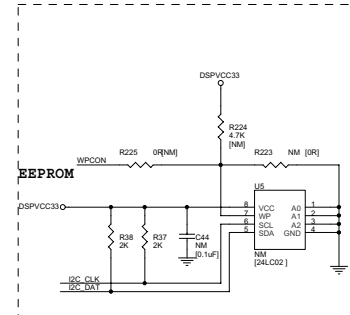
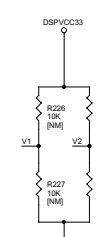
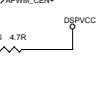
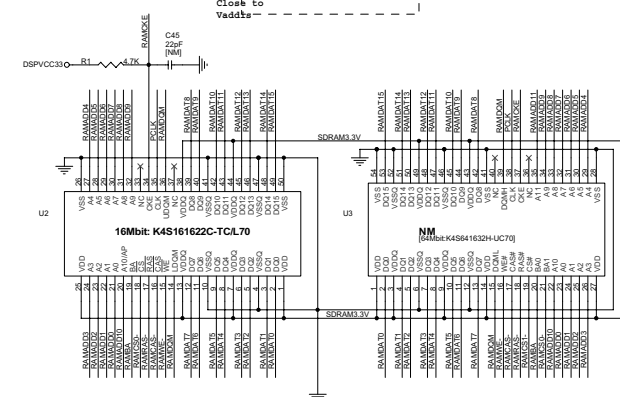
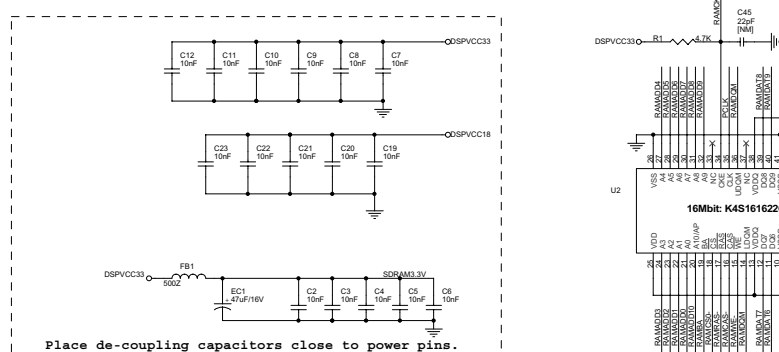
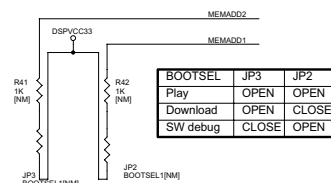
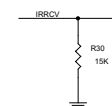
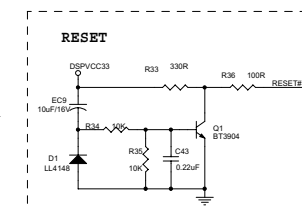
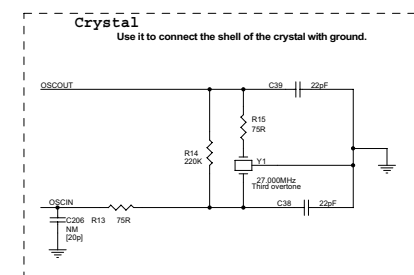
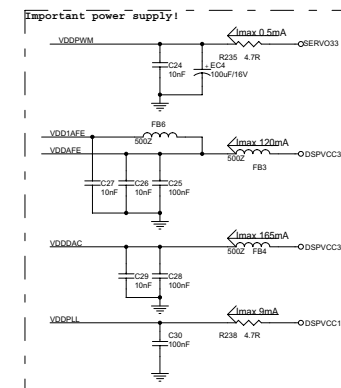
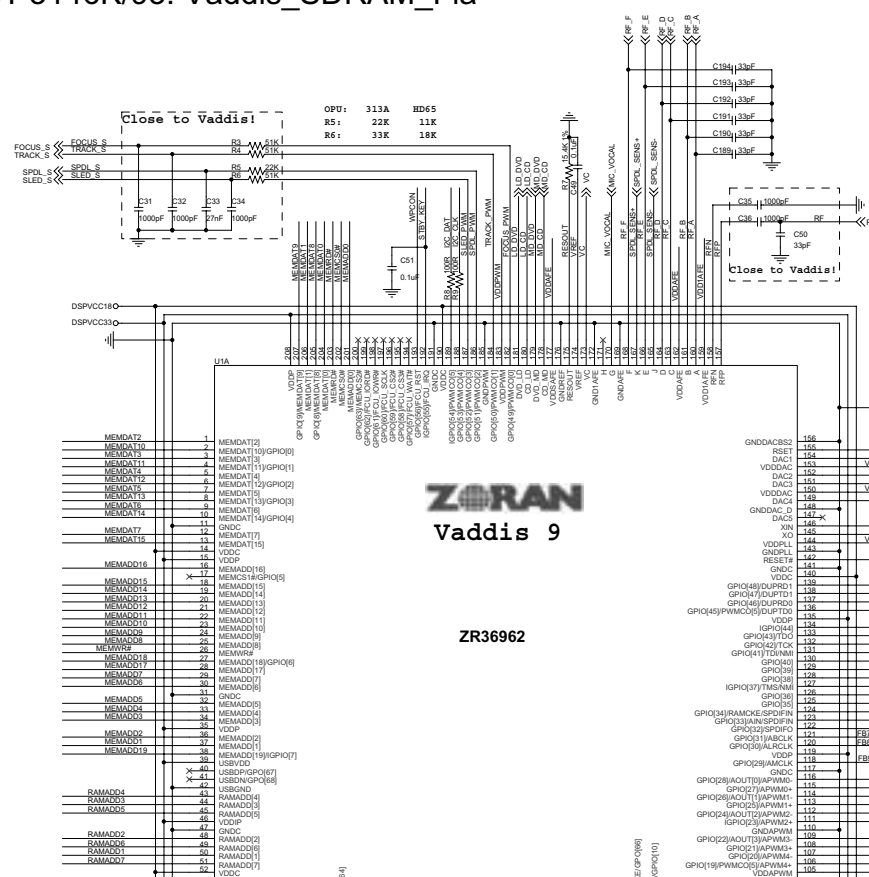
Main Board Print-Layout (Bottom Side) for DVP3126(K)/XX, DVP3146(K)/XX, DVP3148K/XX



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



[39V/F400/800/160]		
Flash select	R39	R40
Intel	NM	0R
AMD/SST	0R	NM

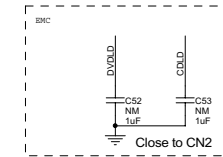


CN10	D 4	EC9	D 2
CN109	D 4	EC20	C 3
C2	A 4	FB1	A 4
C3	A 4	FB3	D 1
C4	A 4	FB4	D 1
C5	A 4	FB6	A 4
C6	B 4	FB7	C 2
C7	A 4	FB8	C 2
C8	A 4	FB9	C 2
C9	A 4	FB30	B 3
C10	A 4	JP2	A 4
C11	A 4	JP3	A 3
C12	A 4	Q1	D 2
C15	C 3	R1	B 4
C19	A 4	R2	B 3
C20	A 4	R3	A 1
C21	A 4	R4	B 1
C22	A 4	R5	B 1
C23	A 4	R6	B 1
C24	C 1	R7	C 1
C25	C 1	R8	B 1
C26	C 1	R9	B 1
C27	C 1	R10	C 2
C28	C 1	R13	D 1
C29	C 1	R14	D 1
C30	C 1	R15	D 1
C31	B 1	R19	C 2
C32	B 1	R20	C 2
C33	B 1	R21	C 2
C34	B 1	R22	C 2
C35	C 1	R24	C 2
C36	C 1	R30	D 2
C37	B 3	R33	D 2
C38	D 1	R34	D 2
C39	D 1	R35	D 2
C43	D 2	R36	D 2
C44	D 3	R37	D 2
C45	B 4	R38	D 3
C48	A 1	R39	A 1
C49	C 1	R40	A 1
C50	C 1	R41	A 3
C51	B 1	R42	A 3
C189	C 1	R56	C 3
C190	C 1	R223	D 3
C191	C 1	R224	D 3
C192	C 1	R225	D 3
C193	C 1	R226	C 3
C194	C 1	R227	C 3
C201	B 3	R228	C 3
C202	C 2	R229	C 3
C203	C 2	R230	D 1
C206	D 1	R238	D 1
D1	D 2	U1A	B 4
EC1	A 4	U2	B 4
EC4	D 1	U3	B 4
		U4	A 1
		U5	D 3
		X11	D 4
		Y1	D 4

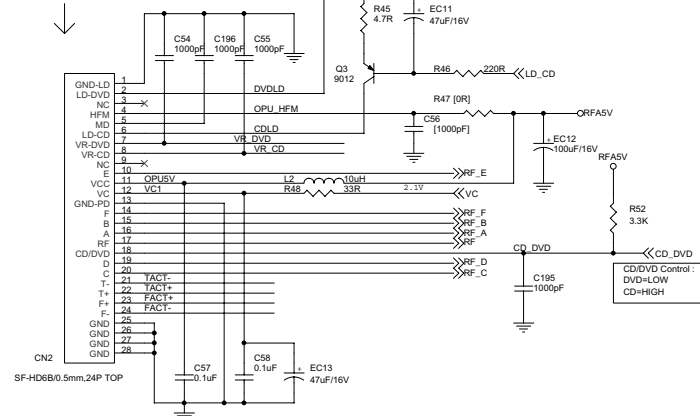
```
SDRAM configuration:
1X16Mbit: CS0# = Low;
1X64Mbit: CS1# = Low; CS0# = BA
SDRAM speed <= 7ns
Tras <= 44.4ns
Trp <= 22.2ns
```



## Main Board Electric Diagram for DVP3146K/93: Front end



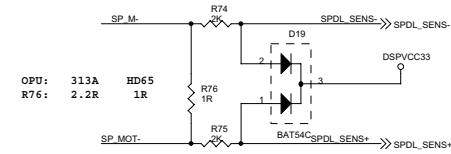
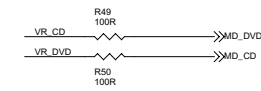
CN2 is used for Sanyo/Sony OPUs



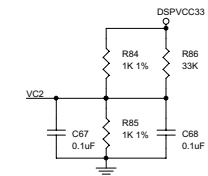
```

OPU      313A  HD65    502W
R49: 100R    0R      91R
R50: 100R    0R      91R

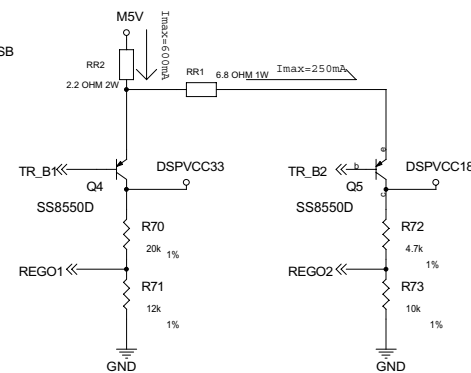
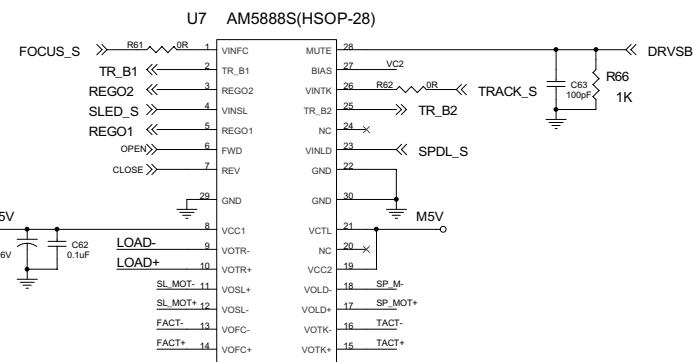
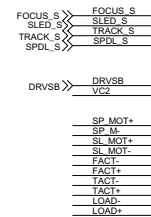
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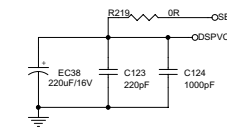
Close to motor driver.



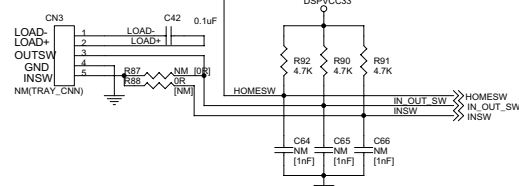
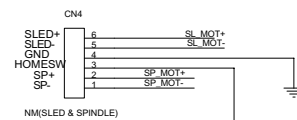
CN2	A 1	Q3	A 1
CN3	A 4	Q4	C 3
CN4	A 3	Q5	D 3
C42	A 4	RR1	C 3
C52	A 1	RR2	C 2
C53	A 1	R43	A 1
C54	A 1	R44	A 1
C55	A 1	R45	A 1
C56	A 1	R46	A 1
C57	A 2	R47	A 1
C58	A 2	R48	A 2
C62	B 3	R49	B 1
C63	C 3	R50	B 1
C64	A 4	R52	B 2
C65	A 4	R61	B 2
C66	A 4	R62	C 3
C67	C 2	R66	C 3
C68	D 2	R70	C 3
Cl23	D 3	R71	C 3
Cl24	E 3	R72	D 3
Cl25	D 3	R73	D 3
Cl26	E 3	R74	D 1
Cl27	E 3	R75	D 1
Cl95	A 2	R76	D 1
Cl96	A 1	R84	D 1
D19	D 1	R85	D 2
EC10	A 1	R86	D 1
EC11	A 1	R87	A 4
EC12	A 1	R88	A 4
EC13	A 2	R90	A 4
EC14	B 3	R91	A 4
EC38	D 3	R92	A 4
EC39	D 3	R219	D 3
L2	A 1	U7	B 2
Q2	A 1		

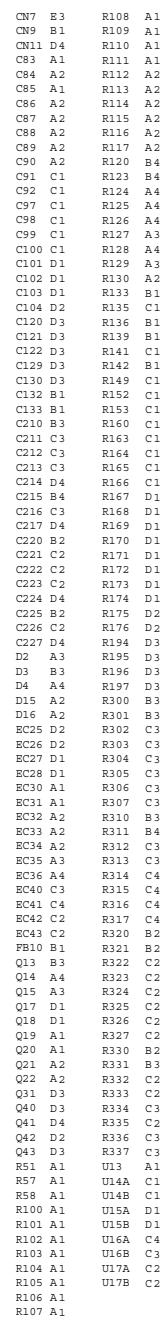


Close to Q4



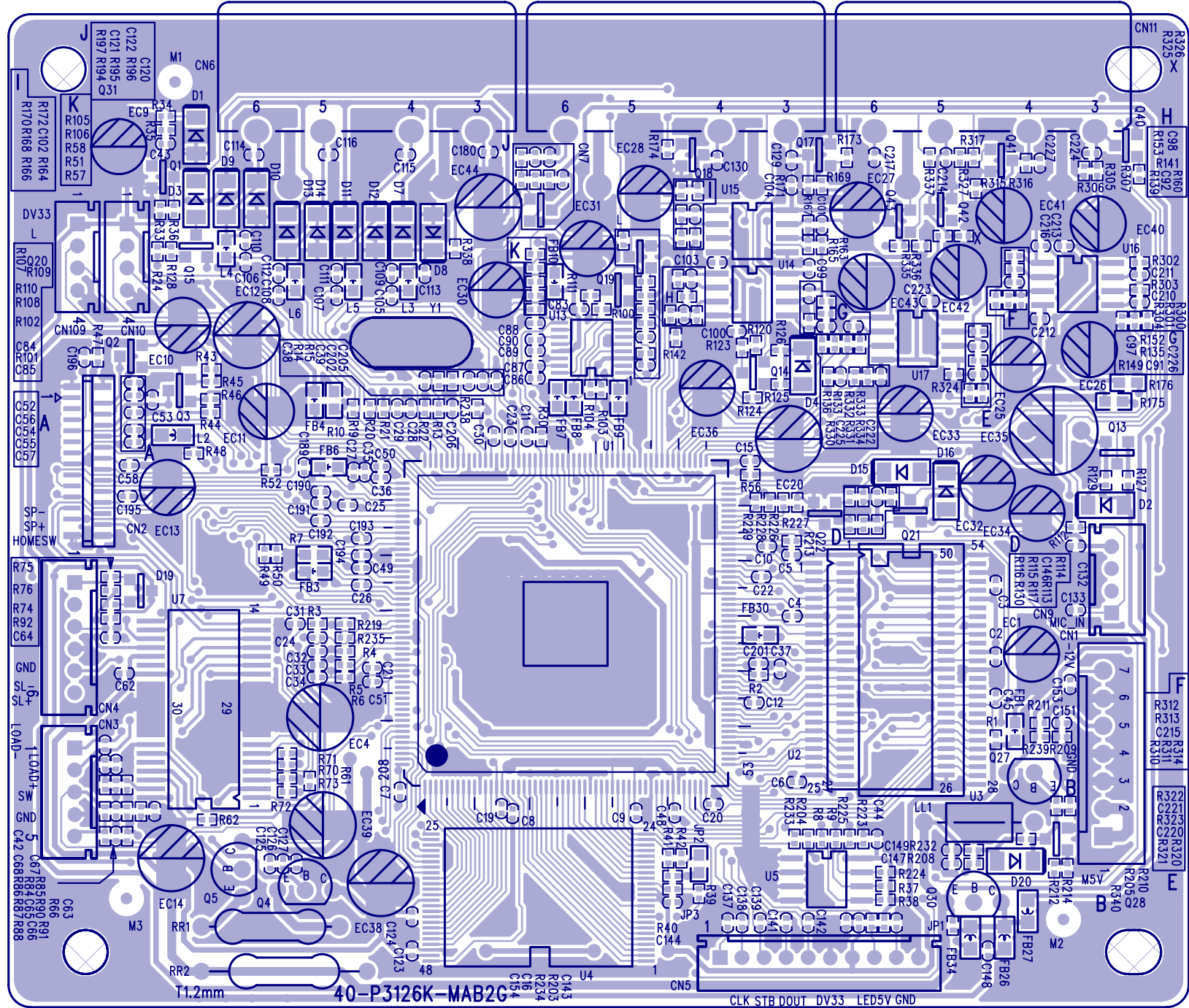
Close to Q5



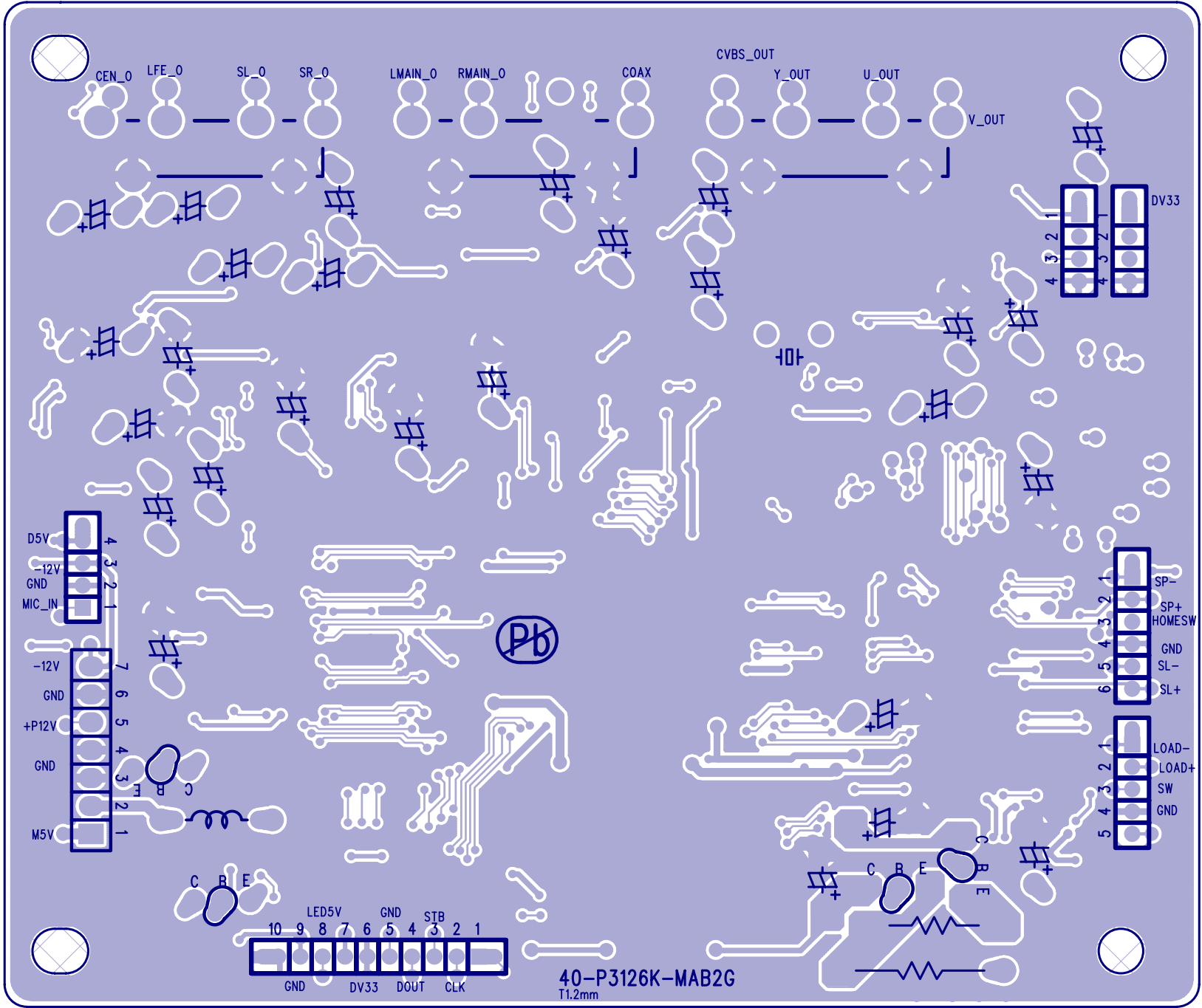


CN1	A 3
CN5	A 1
CN6	D 3
C16	A 2
C105	C 2
C106	C 2
C107	C 2
C108	C 3
C109	C 1
C110	D 2
C111	D 2
C112	D 2
C113	D 2
C114	D 2
C115	D 2
C116	D 2
C137	A 2
C138	A 2
C139	A 2
C141	A 2
C142	A 2
C143	A 2
C144	A 2
C146	C 3
C147	B 2
C148	C 3
C149	A 3
C151	A 3
C153	A 3
C154	B 2
C180	C 3
D7	D 1
D8	D 1
D9	D 2
D10	D 2
D11	D 2
D12	D 2
D13	D 3
D14	D 3
D20	B 3
EC44	D 1
FB26	B 2
FB27	B 2
FB34	B 2
JP1	B 3
LL1	A 3
L3	C 1
L4	C 2
L5	C 2
L6	C 3
Q27	B 3
Q28	B 3
Q30	B 2
R203	A 1
R204	B 1
R205	B 3
R208	B 3
R209	B 3
R210	B 3
R211	B 3
R212	B 3
R213	B 3
R214	B 3
R232	B 3
R233	B 1
R234	B 3
R239	B 2
R338	D 1
R340	B 3

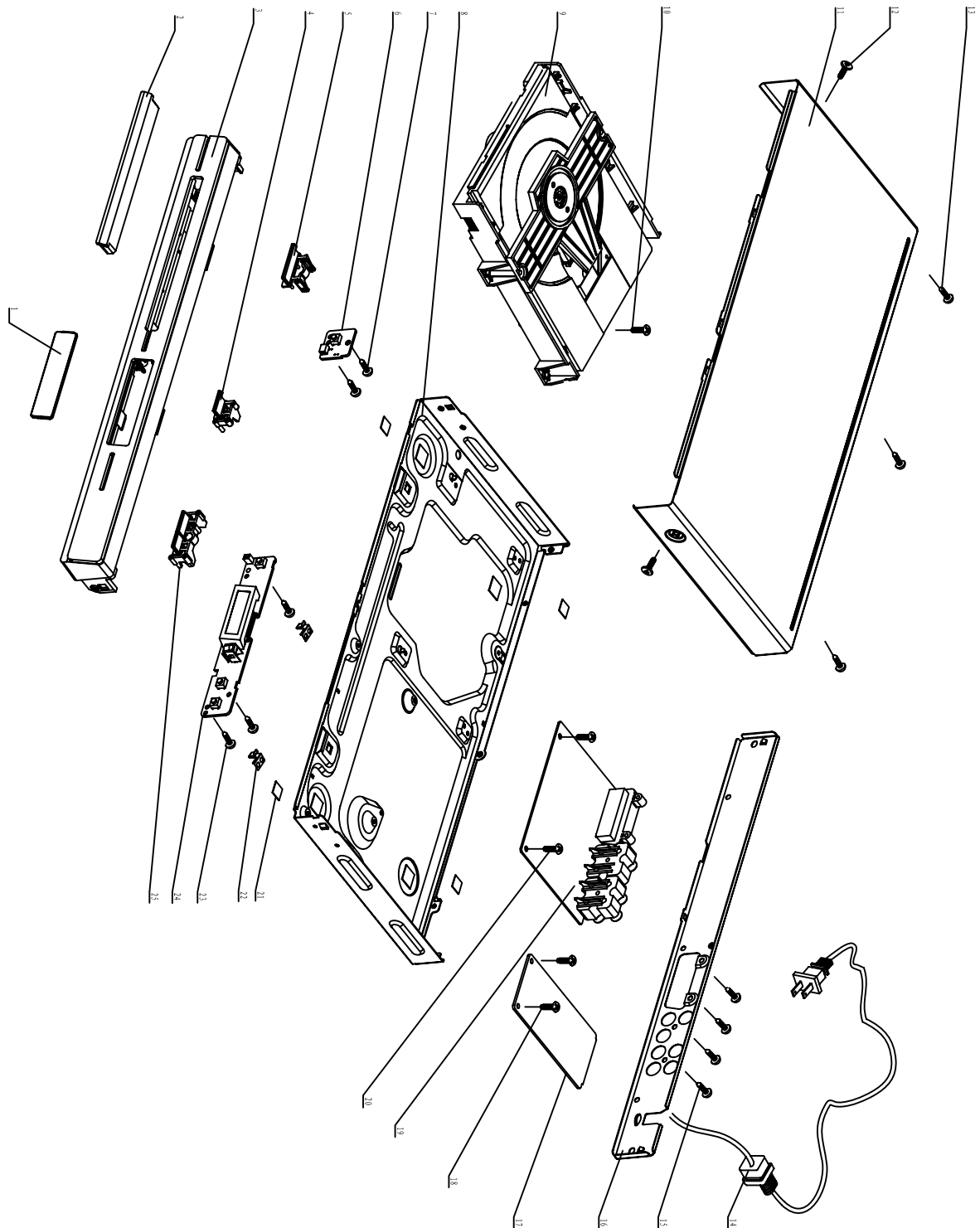
Main Board Print-Layout (Top Side) for DVP3146K/93



Main Board Print-Layout (Bottom Side) for DVP3146K/93



## DVP3126/XX,DVP3146/XX Mechanical Exploded View



Remark: It's a general Mechanical Exploded View for DVP3126/XX,DVP3146/XX,  
Detailed information please refer to Model set.

Ass'y1 is the assembled component for location 1,3,4,5,25

## ENCASING &amp; ACCESSORIES PARTS LIST

No	12NC No.	Part Name	Q'ty
Assy1	996510002904	Front Panel Ass'y for DVP3126/94 ,DVP3126X/94	1
	996510002893	Front Panel Ass'y for DVP3126/98/96/51	
	996510002683	Front Panel Ass'y for DVP3146/94,DVP3146X/94	
2	996510002682	Front Door Ass'y for DVP3146/94,DVP3146X/94	1
	996510002892	Front Door Ass'y for DVP3126/94/98/96/51	1
6	996510001163	Ass'y-Switch Board	1
8	996510001177	Bottom Cabinet	1
9	996510001805	Loader for DVP3126/94/98,DVP3126x/94	1
	996510002887	Loader for DVP3126/96/51	
	996510001166	Loader for DVP3146/94,DVP346x/94	
11	/	Top cover	1
	996510001682	Top cover for DVP3126/94,DVP3126x/94,DVP3146/94, DVP3146x/94	
14	996510001179	Power Cord for DVP3126/94/51,DVP3126x/94, DVP3146/94,DVP3146X/94	1
16	996510001537	Power Cord for DVP3126/98	
	996510002223	Power Cord for DVP3126/96	
17	996510002899	Back Panel for DVP3126/94,DVP3126x/94	1
	996510001883	Back Panel for DVP3146/94 ,DVP3146x/94	
	996510002901	Back Panel for DVP3126/98	
	996510002890	Back Panel for DVP3126/96	
19	996510001820	Ass'y-Power Board for DVP3126/94,DVP3126x/94	1
	996510001190	Ass'y-Power Board for DVP3126/98	
	996510001878	Ass'y-Power Board for DVP3146/94/96 DVP3126/51,DVP3146x/94	
	996510002902	Ass'y-Main Board for DVP3126/94,DVP3126x/94	1
	996510002891	Ass'y-Main Board for DVP3126/98/96/51	
	996510002680	Ass'y-Main Board for DVP3146/94,DVP3146x/94	
21	/	Pad 4	1
22	/	ESD Pad 1	1
24	996510001164	Ass'y-Front Board DVP3126/94,DVP3126x/94	1

## SCREW LIST

No	12NC No.	Part Name	Q'ty
7	/	S/T Screw B2.6X8 BF	2
10	/	Machine Screw	1
12	/	Triangle M/C Screw 3*6	2
13	/	Triangle M/C Screw B3*6	3
15	/	S/T Screw B 3 X 8 BF	4
18	/	Triangle M/C Screw B3*6	2
20	/	Triangle M/C Screw B3*6	2
23	/	S/T Screw B2.6X8 BF	3

## Accessory

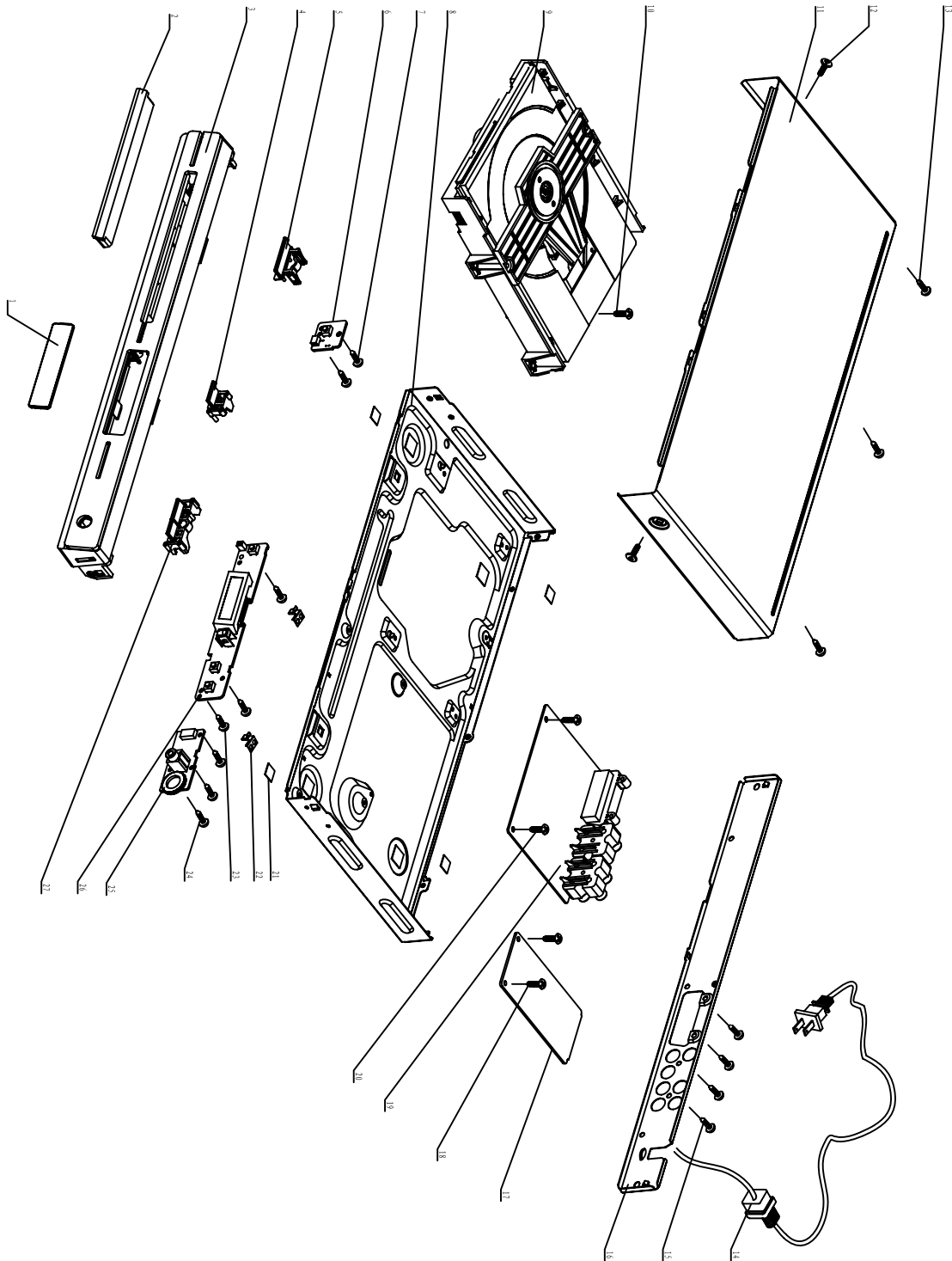
PAC2	996510001203	RIGHT BUFFER
PAC1	996510001202	LEFT BUFFER
RC	996510001822	REMOTE CONTROL for DVP3126/94 ,DVP3126x/94, DVP3146/94,DVP3146x/94
RC	996510001806	REMOTE CONTROL for DVP3126/98/51
PAC8	996510001106	VIDEO CABLE 1500mm
PAC3	996510002903	DISPLAY BOX
PAC3	996510002681	DISPLAY BOX for DVP3146x/94
PAC5	996510002668	POLY BAG for DVP3146/94,DVP3146x/94

## Cable

C0N302	996510001171	2P HS DVP3126/94 ,DVP3126x/94
CON301	996510001172	HS 9PIN DVP3126/94,DVP3126x/94
CN2	996510001168	24PIN HS DVP3146/94 ,DVP3146x/94
CN1	996510001169	TJC3-7Y/SCN-7P L=80MM for DVP3126 /94/98 , DVP3126x/94
CN3		PH-5Y/PH-5Y L=130MM 1 for DVP3126/94,
CN1	996510001192	DVP3126X/94,DVP3146/94,DVP3146x/94 CABLE HS 7P 2468#26 for DVP3126/96/51,
CN4	996510001904	DVP3146/94,DVP3146x/94
CN4	996510001170	6PIN HS for DVP3146/94,DVP3146x/94 / 6PIN HS for DVP3126/51

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

## DVP3126K/XX,DVP3146K/XX,DVP3148K/XX Mechanical Exploded View



Remark: It's a general Mechanical Exploded View for DVP3126K/XX,DVP3146K/XX,DVP3148K/XX  
Detailed information please refer to Model set.

Ass'y1 is the assembled component for location 1,3,4,5,27



**ENCASING & ACCESSORIES PARTS LIST**

No	12NC No.	Part Name	Q'ty
Ass'y1	996510004028	Front Panel Ass'y for DVP3126K/61	1
	996510002889	Front Panel Ass'y for DVP3126K/56/96	
	996510002678	Front Panel Ass'y for DVP3146K/93	
	996510002671	Front Panel Ass'y for DVP3146K/96/98	
	/	Front Panel Ass'y for DVP3148K/51	
2	996510002896	Front Panel Ass'y for DVP3126K/98/51/93	1
	/	Front Panel Ass'y for DVP3146K/51	
	996510002888	Front Door Ass'y for DVP3126K/61/56/96/98/51/93	
	996510002677	Front Door Ass'y for DVP3146K/93	
	996510002670	Front Door Ass'y for DVP3146K/96/98/51	
6	/	Front Door Ass'y for DVP3148K/51	1
	996510001163	Ass'y-Switch Board for DVP3146K/93	
		DVP3126K/96/56/61/98/51/93	
	996510001188	Ass'y-Switch Board for DVP3146K/96/98/51,	
		DVP3148K/51	
8	996510001177	Bottom Cabinet	1
9	996510001805	Loader for DVP3126K/98	1
	996510002887	Loader for DVP3126K/56/96/51/61/93	
	996510001864	Loader for DVP3146K/93/51,DVP3148K/51	
	996510001166	Loader for DVP3146K/96/98	
	996510001682	Top cover for DVP3126K/61/56/96/98/51/93	
14	/	DVP3146K/93/96/51,DVP3148K-51	1
	/	Top cover for DVP3146K/98	
	996510005741	Power Cord for DVP3126K/61	
	996510001206	Power Cord for DVP3126K/93	
	996510001179	Power Cord for DVP3126K/56/51,DVP3148K/51	
16	/	DVP3146K/51	1
	996510002223	Power Cord for DVP3126K/96,DVP3146K/96	
	996510001537	Power Cord for DVP3146K/98,DVP3126K/98	
	996510005742	Rear Cabinet for DVP3126K/61	
	996510002897	Rear Cabinet for DVP3126K/93	
17	/	Rear Cabinet for DVP3126K/56/51	1
	/	Rear Cabinet for DVP3126K/96	
	/	Rear Cabinet for DVP3146K/93	
	/	Rear Cabinet for DVP3146K/96	
	/	Rear Cabinet for DVP3146K/98	
19	/	Rear Cabinet for DVP3148K/51	1
	/	DVP3146K/51	
	/	Rear Cabinet for DVP3126K/98	
	996510001878	Ass'y-Power Board for DVP3126K/56/96/51/61/93	
		DVP3146K/93/96/51,DVP3148K/51	
21	996510002667	Ass'y-Power Board for DVP3146K/98,	1
		DVP3126K/98	
	996510002886	Ass'y-Main Board for DVP3126K/61/56/96/98/51	
	996510002894	Ass'y-Main Board for DVP3126K/93	
	996510002673	Ass'y-Main Board for DVP3146K/93	
22	996510001877	Ass'y-Main Board for DVP3146K/96/98/51	1
		DVP3148K/51	
	/	Pad	
	/	ESD Pad	
	25	996510001183	
25		Ass'y-OK Board for DVP3126K/61/98/51,	1
		DVP3146K/93/96/98/51,DVP3148K/51	
	996510002674	Ass'y-OK Board for DVP3126K/93	
	996510002674	Ass'y-OK Board for DVP3126K/56/96	

**ENCASING & ACCESSORIES PARTS LIST**

No	12NC No.	Part Name	Q'ty
26	996510001164	Ass'y-Front Board for DVP3126K/61/56/96/51/93	1
		DVP3146K/93	
	996510001189	Ass'y-Front Board for DVP3146K/96/98/51	
		DVP3148K/51	
7	/	S/T Screw B2.6X8 BF	2
10	/	Machine Screw	1
12	/	Triangle M/C Screw 3*6	2
13	/	Triangle M/C Screw B3*6	3
15	/	S/T Screw B 3 X 8 BF	4
18	/	Triangle M/C Screw B3*6	2
20	/	Triangle M/C Screw B3*6	2
23	/	S/T Screw B2.6X8 BF	3
24	/	S/T Screw B2.6X8 BF	2
<b>Accessory</b>			
AVCAB	996510001106	VIDEO CABLE 1500mm	1
RC	996510001778	REMOTE CONTROL for DVP3126K/96/56/98/51/61	1
RC	996510002675	REMOTE CONTROL for DVP3126K/93	
RC	996500034181	REMOTE CONTROL for DVP3146K/96/51/98	
		DVP3148K/51	
RBuffer	996510001203	RIGHT BUFFER for DVP3126K/93/56/96/51/93/61	1
		DVP3146K/93/51	
LBuffer	996510001202	LEFT BUFFER	1
DBOX	996510005744	COLOUR BOX for DVP3126K/61	1
DBOX	996510002895	COLOUR BOX for DVP3126K/93	
DBOX	996510002676	COLOUR BOX for DVP3146K/93	
DBOX	/	COLOUR BOX for DVP3126K/51	
DBOX	/	COLOUR BOX for DVP3146K/51	
DBOX	/	COLOUR BOX for DVP3146K/98	
IFU	996510005756	OPERATION MANUAL for DVP3126K/61	2
FUSE	996510001780	FUSE 2A 250V 5X20MM	1
Battery	996510003815	BAT 1.5V/R03/AAA 1-PACK	1
<b>Cable</b>			
CON301	996510001172	HS 9PIN	1
CN601	996510001184	4P HS	1
CN2	996510001168	24PIN HS for DVP3126K/56/96/98/51/93/61,DVP3146K/96/51/98	1
CON2	996510001904	CABLE HS 7P 2468#26 60 for DVP3126K/56/61/93/	1
		96/98/51, DVP3146K/93/96/98/51, DVP3148K/51	
C0N302	996510001171	2P HS for DVP3126K/96/98, DVP3146K/93	1
C0N302	996510004064	2P HS for DVP3126K/51/61/93	1
C0N302	996510001193	PH-2Y/SAW-2P L=170MM for DVP3146K/96	1
C0N302	/	2P HS for DVP3146K/51/98	1
CN3	996510001192	PH-5Y/PH-5Y for DVP3126K/56/96/98,	1
		DVP3146K/96/98, DVP3148K/51	
CN3	/	PH-5Y/PH-5Y for DVP3126K/51/61/93, DVP3146K/51	1
	996510004063	CABLE PH-5Y/PH-5Y L=130MM for DVP3126K/61/93	
CN4	996510001170	6PIN HS for DVP3146K/96	1
CN4	/	6PIN HS for DVP3126K/51/61/93, DVP3146K/98	1
CN4	996510001222	HS 6P PH-6Y/PH-6Y for DVP3146K/93/51	1

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

## 8-1

### REVISION LIST

#### **Version 1.0**

\*Initial release

#### **Version 1.1**

\* Update Service manual to include 3126/51,3126k/51

\* Correction of Partcode to Philips 12nc

#### **Version 1.2**

\* Include DVP3126X/94 and DVP3146X/94 models

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