DVD Player

DVP3250K

DVP3250K/55

Service

Service

Service

Service Manual

TABLE OF CONTENTS

Page

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

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CLASS 1 LASER PRODUCT

Published by EN-0903 BU AVM Printed in The Netherlands Subject to modification

GB 3139 785 34761

Version 1.1

PHILIPS

Specifications

TV STANDARD

	(PAL/50Hz)	(NTSC/60Hz)
Number of lines	625	525
Playback	Multistandard	(PAL/NTSC)

VIDEO PERFORMANCE

Video DAC	12 bit, 108 MHz
Y Pb Pr	0.7 Vpp ~ 75 ohm
Video Output	1 Vpp ~ 75 ohm

VIDEO FORMAT

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

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

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

AUDIO FORMAT

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

Analog Sound Stereo
Dolby Surround compatible downmix from Dolby Digital multi-channel sound

AUDIO PERFORMANCE

DA Converter	24 bit, 192 kHz	
DVD	fs 96 kHz	4 Hz - 44 kHz
	fs 48 kHz	4 Hz - 22 kHz
SVCD	fs 48 kHz	4 Hz - 22 kHz
	fs 44.1kHz	4 Hz - 20 kHz
CD/VCD	fs 44.1kHz	4 Hz - 20 kHz
Signal-Noise (1kHz)		> 90 dB
Dynamic range(1kHz)		> 80 dB
Crosstalk (1kHz)		> 70 dB
Distortion/noise (1kHz)		> 65 dB
MPEG MP3		MPEG Audio L3

CONNECTIONS

Y Pb Pr Output	Cinch 3x
Video Output	Cinch (yellow)
Audio Output(L+R)	Cinch (white/red)
Digital Output	1 coaxial IEC60958 for CDDA / LPCM IEC61937 for MPEG 1/2, Dolby Digital

CABINET

Dimensions (w x h x d)	360 x 37x 209 mm
Weight	Approximately 2 kg

POWER CONSUMPTION

Power Supply Rating	110 V – 240 V; 50/60 Hz
Power consumption	< 10 W
Power consumption in Standby mode	< 1 W

Specifications are 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: 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

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

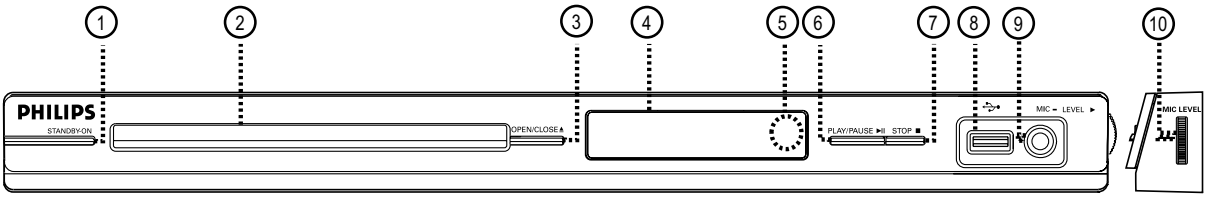
You find more information to:

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.

DVD Player Instruction



① **STANDBY-ON**
– Turns on this unit or turns off to normal standby mode.

② **Disc tray**

③ **OPEN/CLOSE ▲**
– Opens/closes the disc tray.

④ **Display panel**
– Shows information about the current status of the unit.

⑤ **IR Sensor**
– Point the remote control towards this sensor.

⑥ **PLAY/PAUSE ►II**
– Starts/pauses playback.

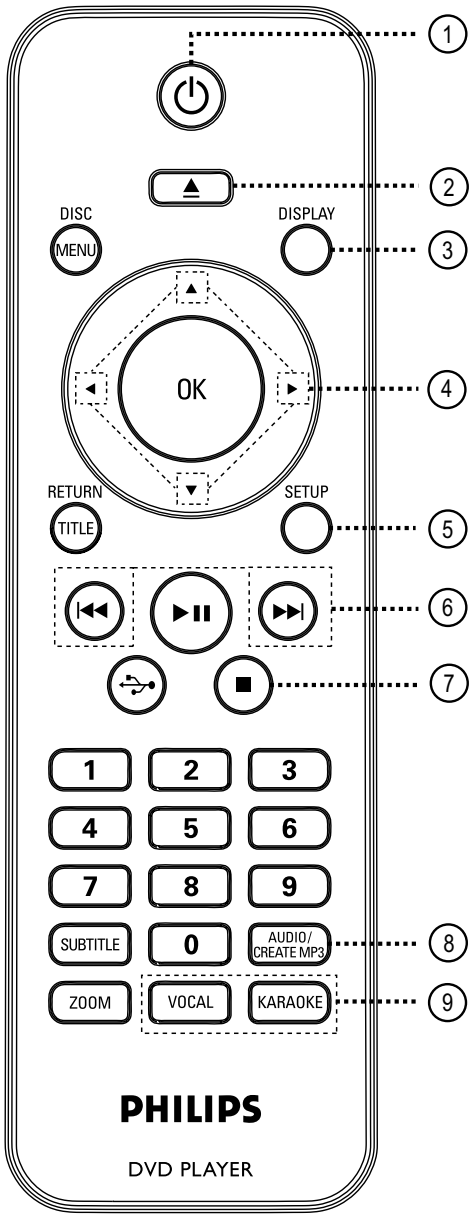
⑦ **STOP ■**
– Stops playback.

⑧ (USB) **jack**
– Input for USB flash drive or digital camera.
* Not all brands and models of digital cameras are supported.

⑨ **MIC**
– For microphone connection.

⑩ **MIC LEVEL**
– Microphone volume control.

Remote Control Instruction



① ⏻ (Standby-On)
– Turns on this unit or turns off to normal standby mode.

② ⏏ (Open/Close)
– Opens/closes the disc tray.

③ **DISPLAY**
– Displays the current status or disc information.

④ ▲▼◀▶
– ▲▼: Cursor buttons for moving up/ down or press up/down for a slow backward or forward search.
– ◀▶: Cursor buttons for moving to the left/right or press left/right for fast backward or forward search.

⑤ **SETUP**
– Enters or exits the disc setup menu.

⑥ ⏮ / ⏭ (Previous/Next)
– Skips to the previous or next title/ chapter/track.
– Press and hold this button for fast backward or forward search.

⑦ ■ (Stop)
– Stops playback.

⑧ **AUDIO/CREATE MP3**
– Selects an audio language or channel.
– Access create MP3 menu.

⑨ **VOCAL**
– Choose audio channel or karaoke method.

KARAOKE
– Toggles between 'MIC', 'Vol', 'Echo', 'Key' or 'Karaoke Scoring'.

Remote Control Instruction (continued)

⑩ **DISC MENU**
– Enters or exits disc contents menu.
– For VCD 2.0 and SVCD, turns on or off the playback control mode.

⑪ **OK**
– Confirms an entry or selection.

⑫ **RETURN/TITLE**
– Returns to the previous menu or shows title menu

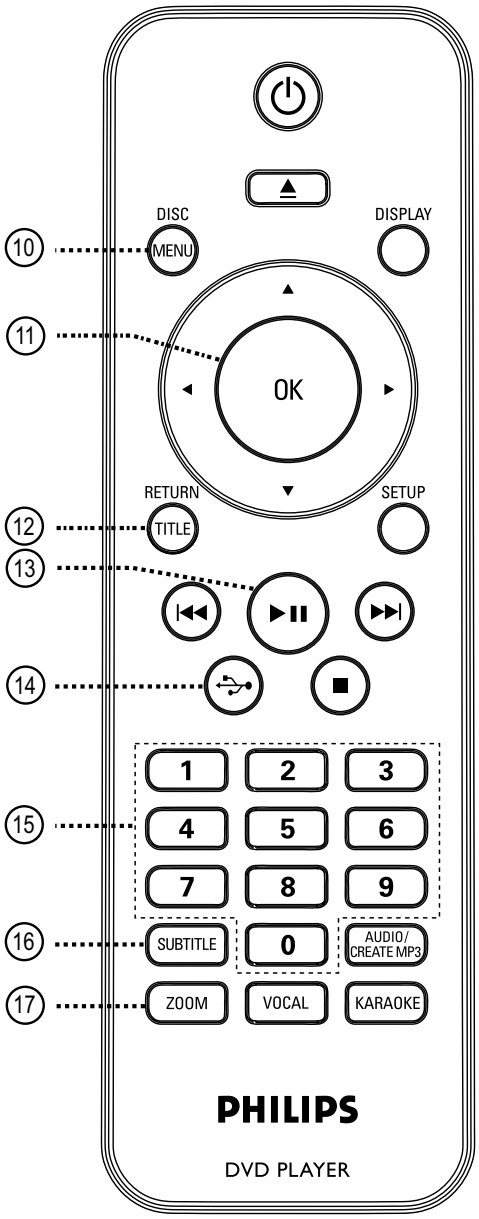
⑬ ▶II (Play/Pause)
– Starts or pauses playback.

⑭ (USB)
– Switches to USB mode and shows the content of the USB device.

⑮ **Numeric keypad 0-9**
– Selects a track or title number of the disc.

⑯ **SUBTITLE**
– Selects a DVD subtitle language.

⑰ **ZOOM**
– Zoom the picture on the TV.



Mechanical and Dismantling Instructions

Dismantling Instruction

The following guidelines show how to dismantle the player.
Step1: Remove 5 screws around the Top Cover, and then remove the Top Cover (Figure 1).

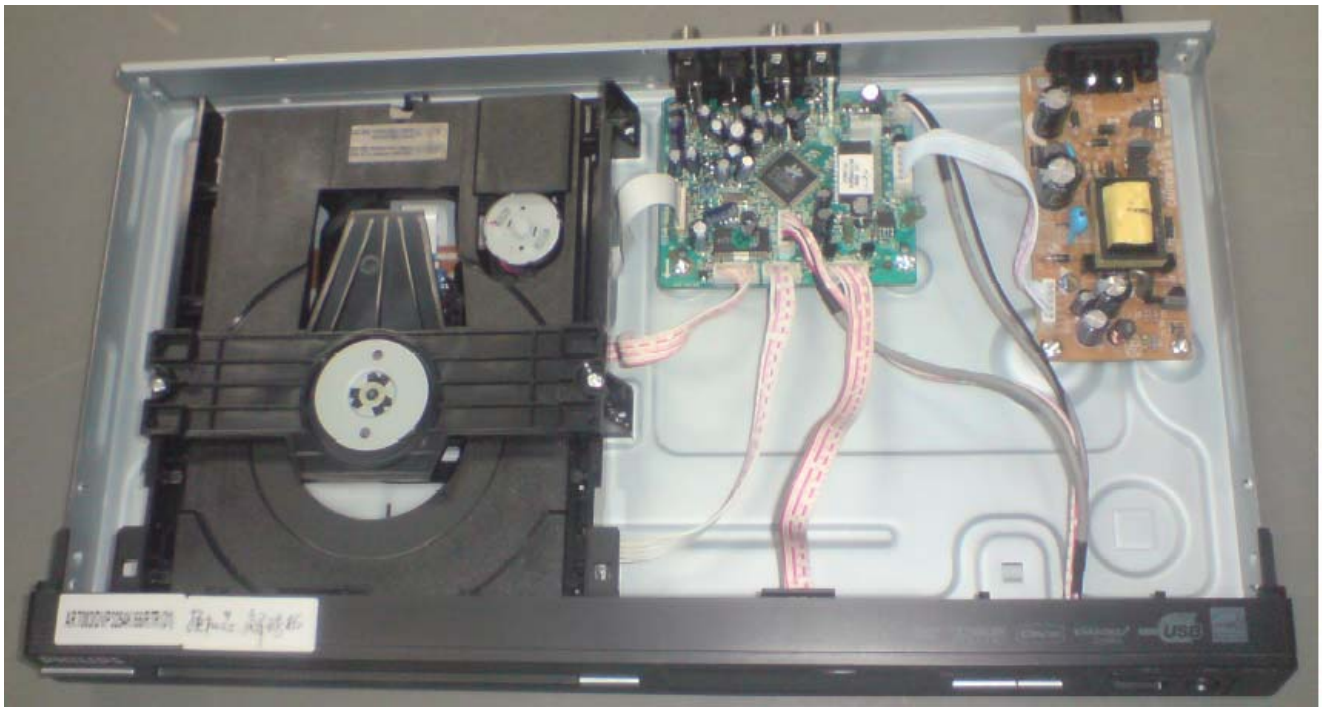


Figure 1

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

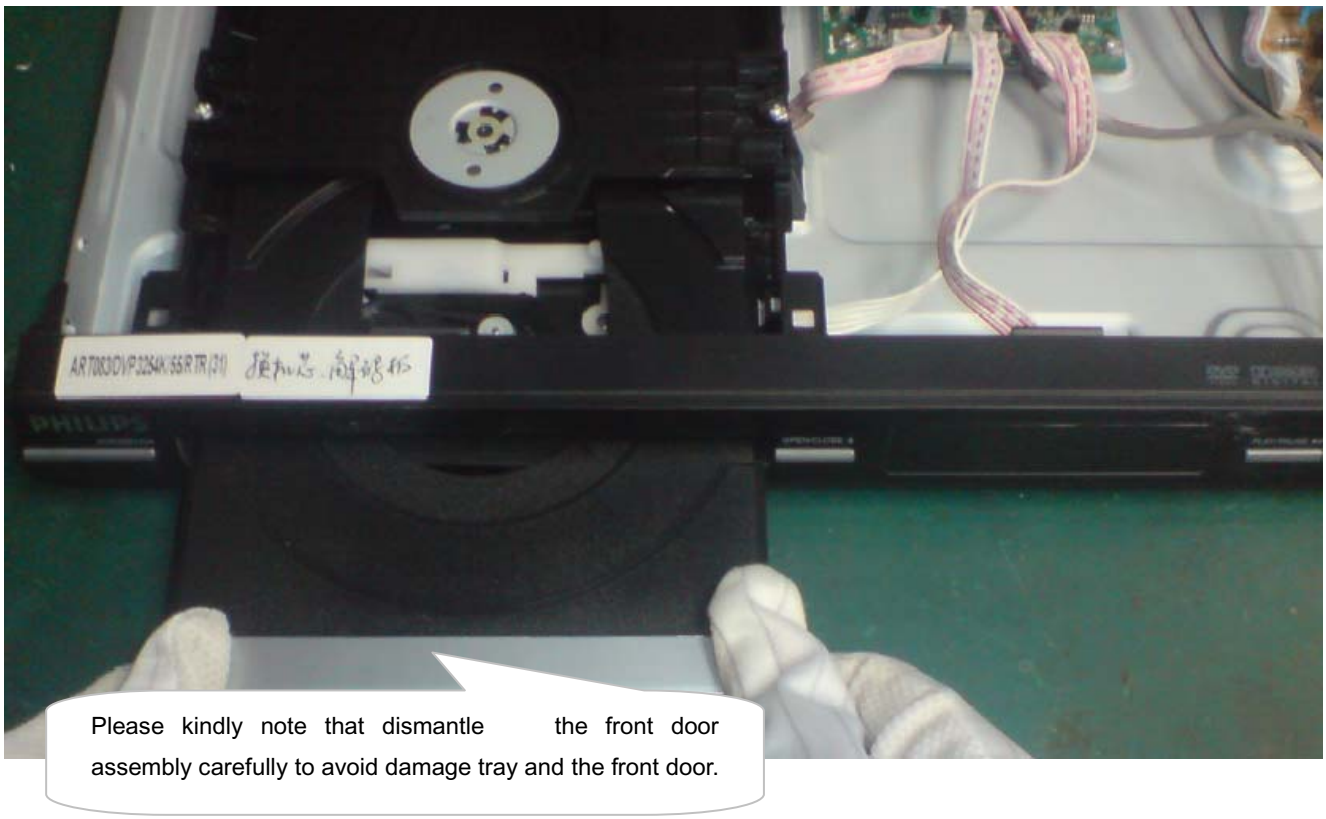


Figure 2

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.

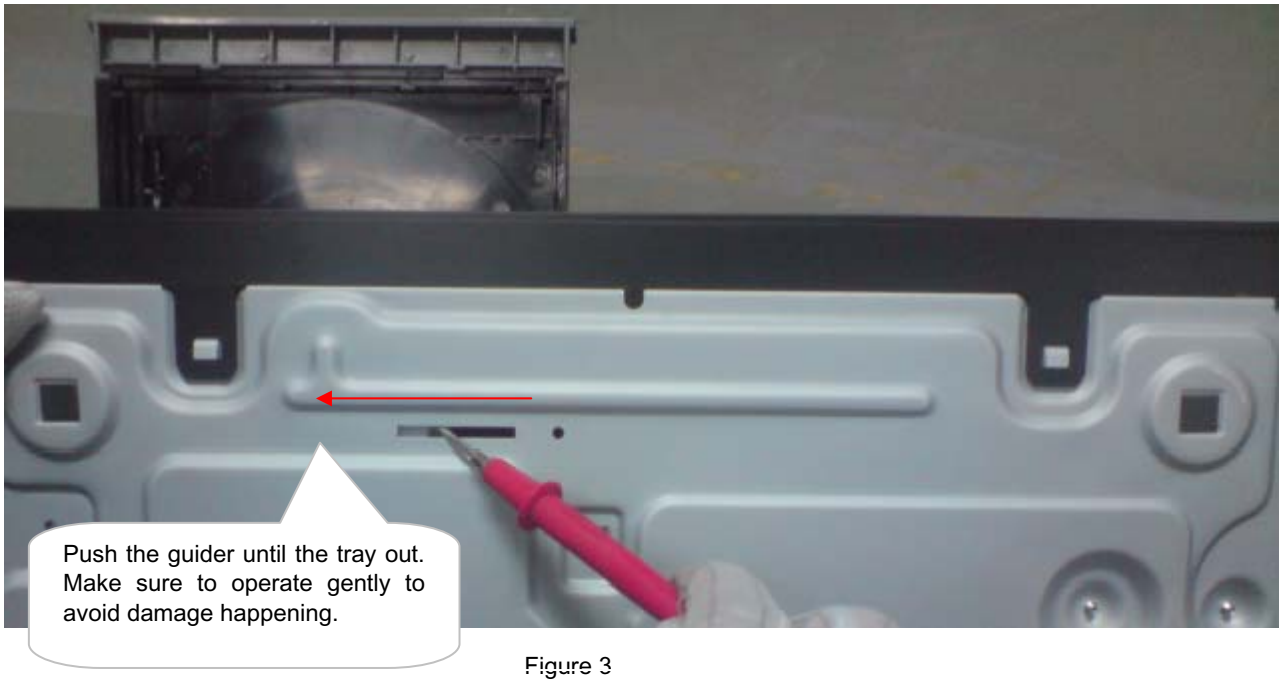


Figure 3

Step4: Dismantling Front Panel, disconnect the connectors (XP5, XP6, XP7), then release the snaps on the both sides of Front Panel and bottom cabinet , then gently pull the Panel out from the set. (Figure 4 & 5)

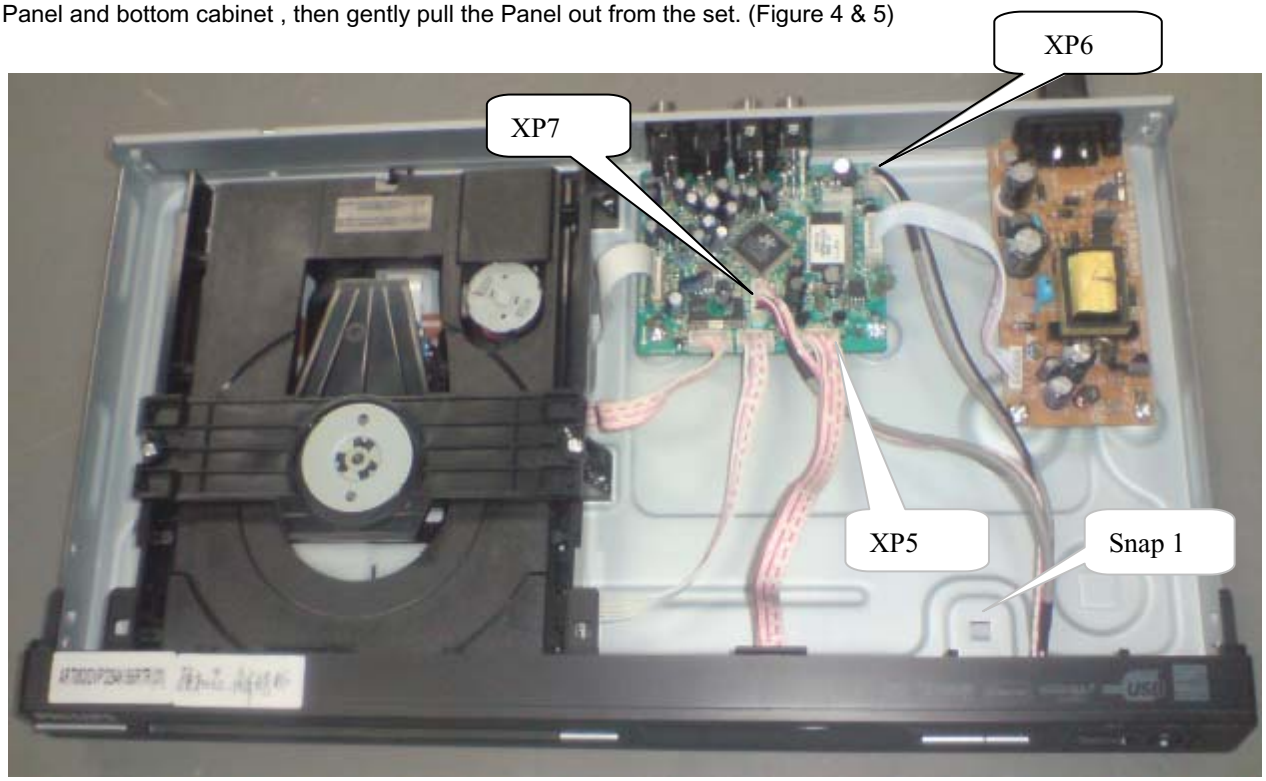


Figure 4

Mechanical and Dismantling Instructions

Dismantling Instruction

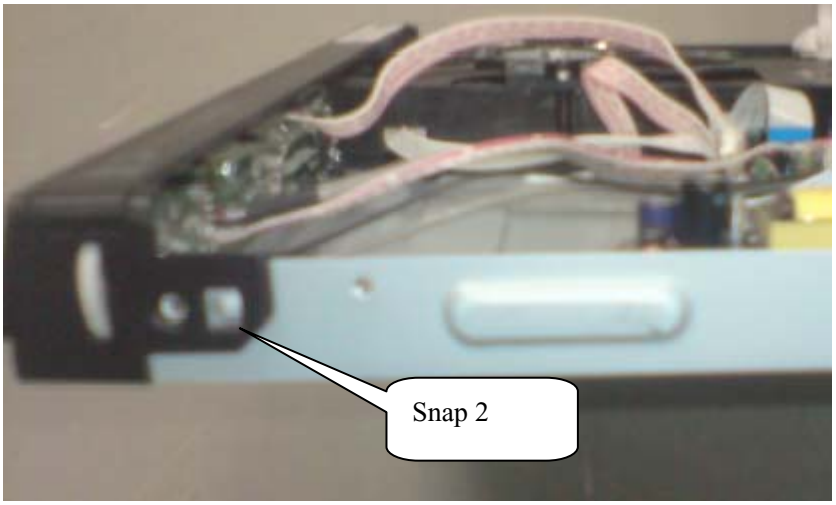


Figure 5

Step5: Dismantling Loader, disconnect the 3 connectors (XP2, XP3, XP4) aiming in the below figure, and remove 1 screw that connects the loader and the bottom cabinet. (Figure 6)

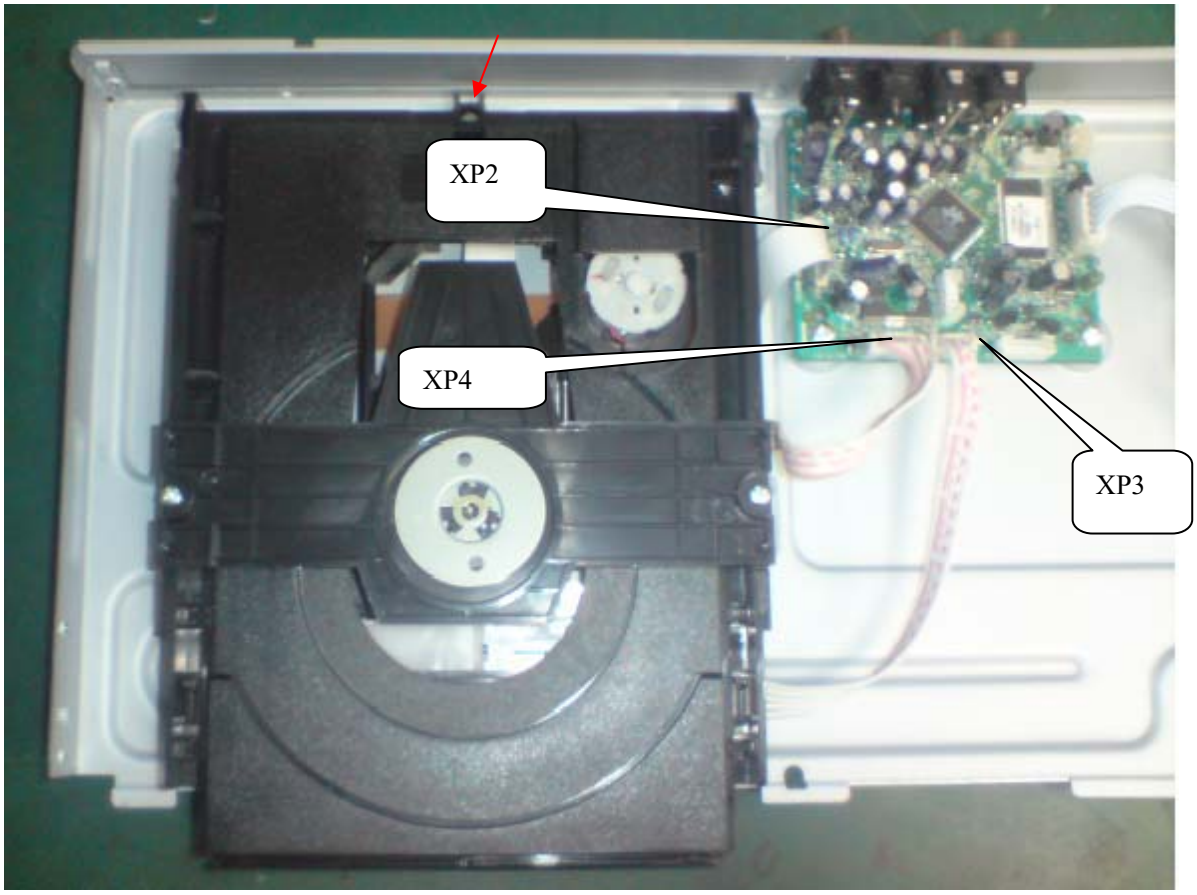


Figure 6

Mechanical and Dismantling Instructions

Dismantling Instruction

Step6: Dismantling Main Board, first disconnect the connector (XP1), and then remove 4screws. (Figure 7)

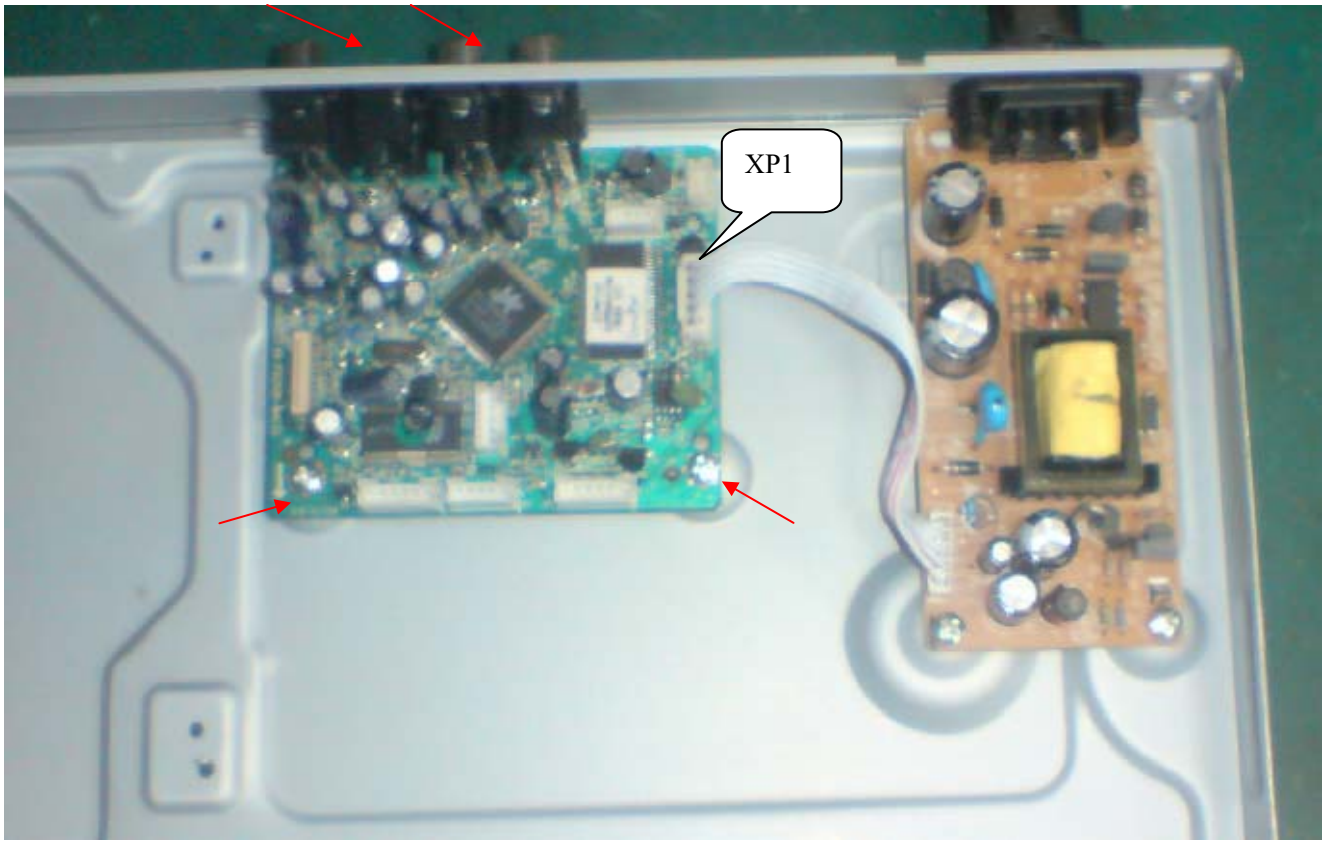


Figure 7

Step7: Remove the 4 screws on Power Board to dismantle the Power Board. (Figure 8)

Figure 8

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)
   File Name: DVPXXXX_XX.BIN
   Power on the set and open the tray, then press <5><5> to check the File Name.

Note: It is required capital letter for the File System name.

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:
   Upgrade File DETECTED
   Upgrade?
   Press Play TO START.
3) Press <OK> button to confirm, then screen will display :
   Files coping…
   UPGRADING…
4) The upgraded tray will automatically open when files coping complete, then take out the disc.
5) About 1 minute later, the trace will automatically close when upgrading complete.

B. Read out the software versions to confirm upgrading

1) Power on the set and press <Setup> button on the remote control.
2) Press <1><3><7><9> button.
   The software version and other information are display on the TV screen as follows:
   Version XX.XX.XX.XX (Main version)
   SUB-VER XX.XX.XX.XX (software version of application software)
   8032 XX.XX.XX.XX
   Servo XX.XX.XX.XX (software version of Servo)
   RISC XX.XX.XX.XX
   DSP XX.XX.XX.XX
   Region Code X 4

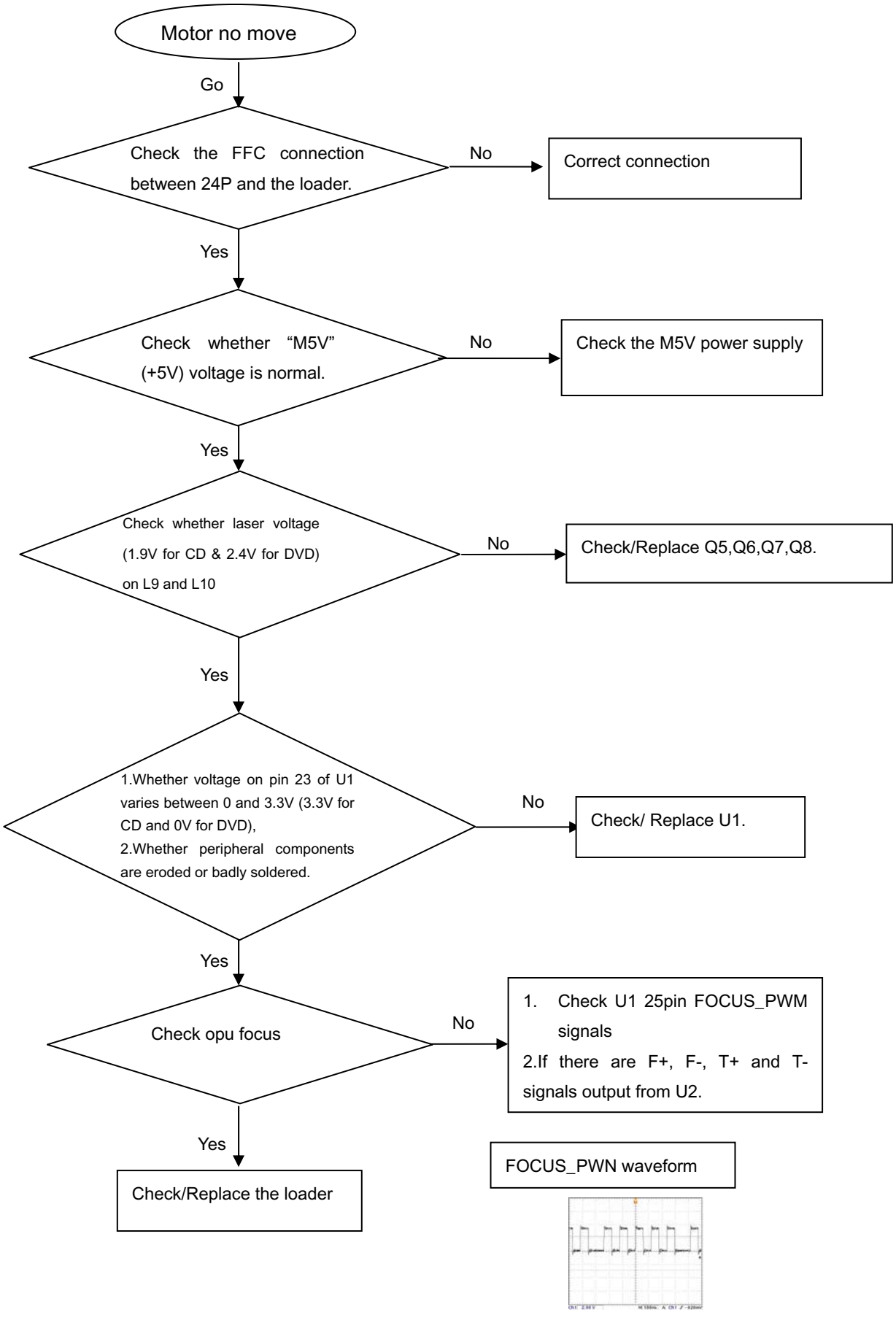
Caution: The set must not be power off during upgrading, Otherwise the Main board will be damaged entirely.

Region Code Change

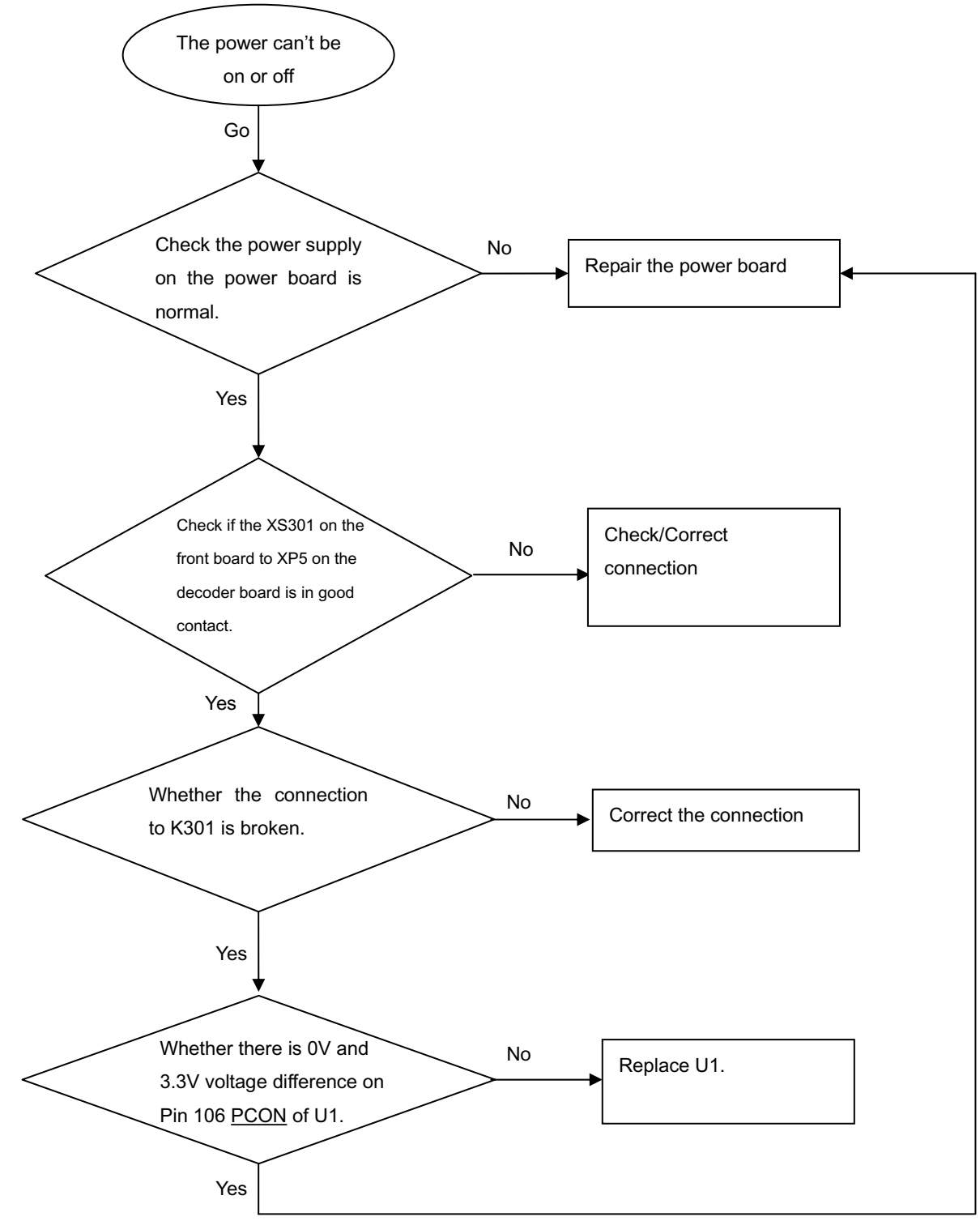
1) Power on the set and open the tray door;
2) Press the "Setup" button on the remote control, then the setup interface should be displayed on the TV screen;
3) Move the right cursors of the remote control to choose the "Reference" and press "1" "3" "8" "9" "3" "1" on the remote control;
4) Then move the up or down cursors to choose the region code.

Note: restart after above steps.

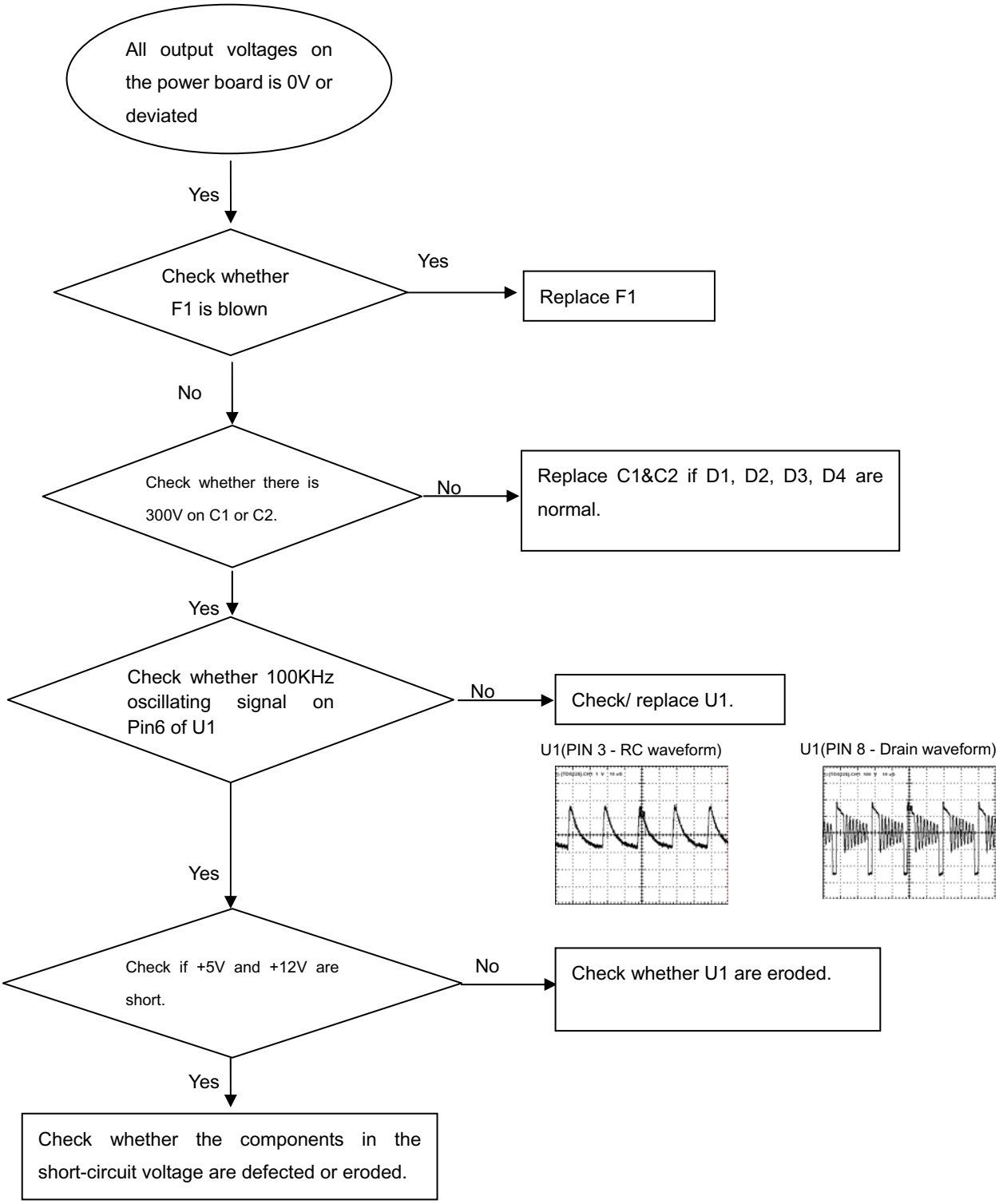
Spindle motor does not move



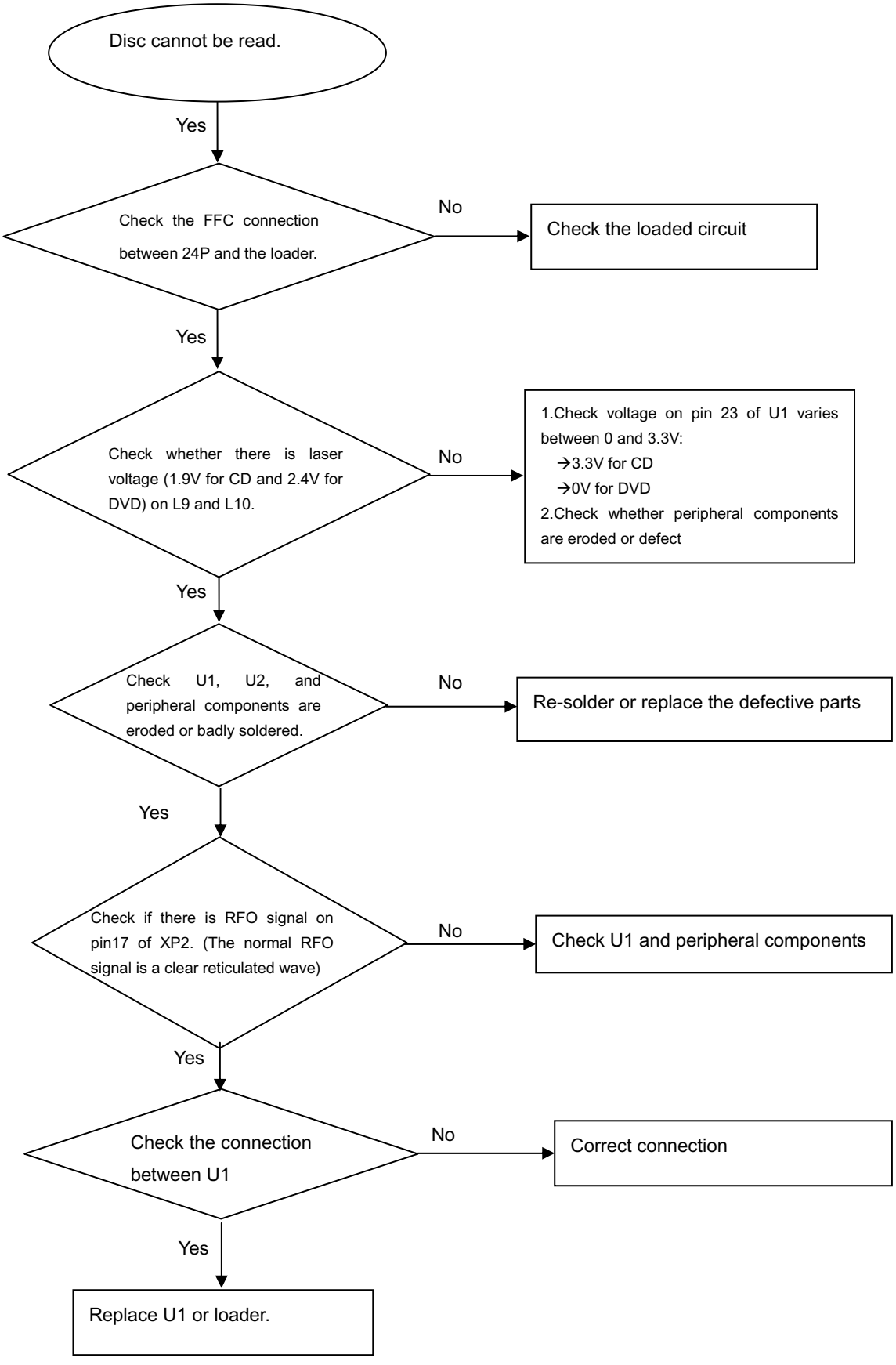
The power can not be on or off



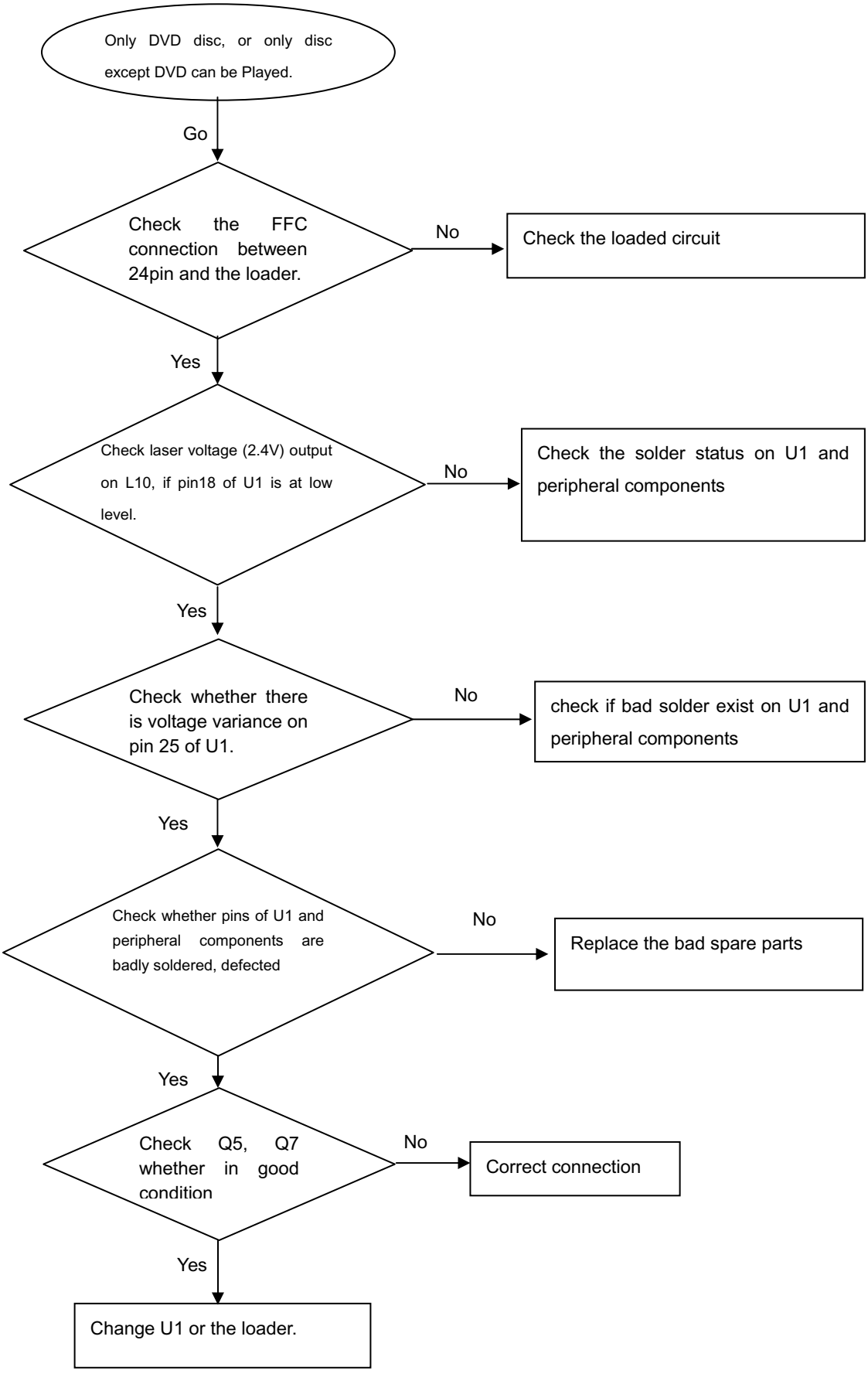
All output voltages on the power board is 0V or deviated.



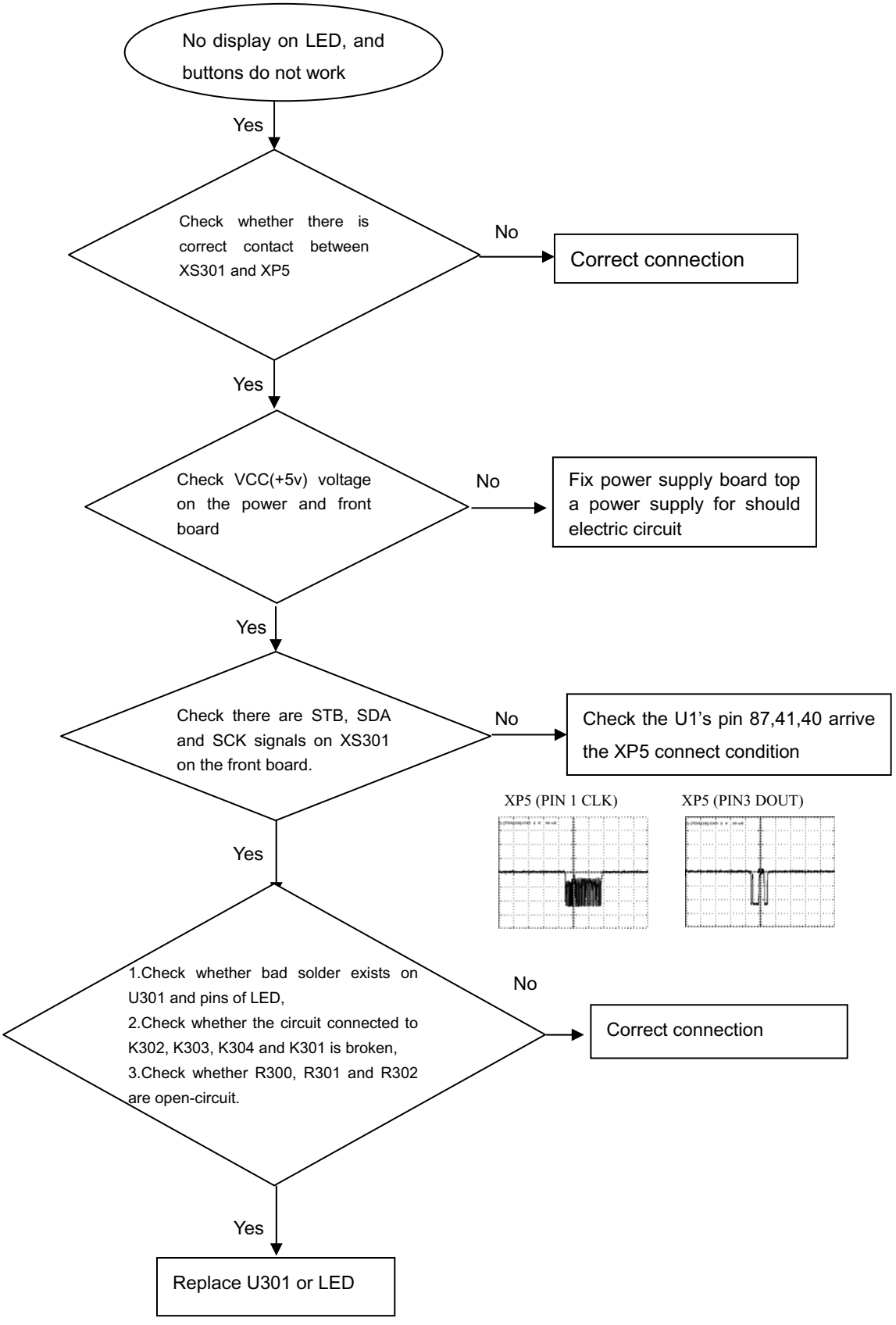
Disc cannot be read.



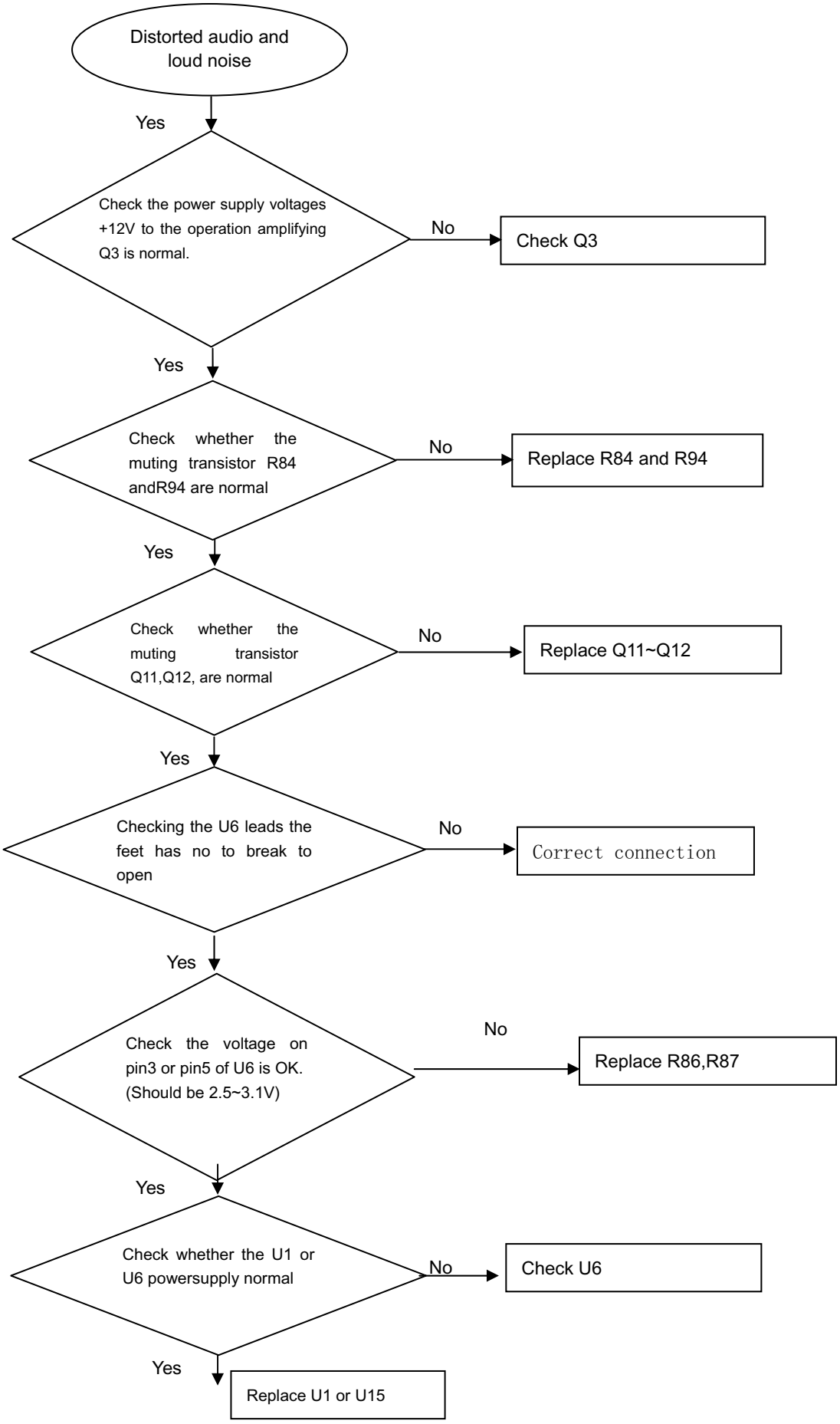
Only DVD disc or only disc except DVD can be played



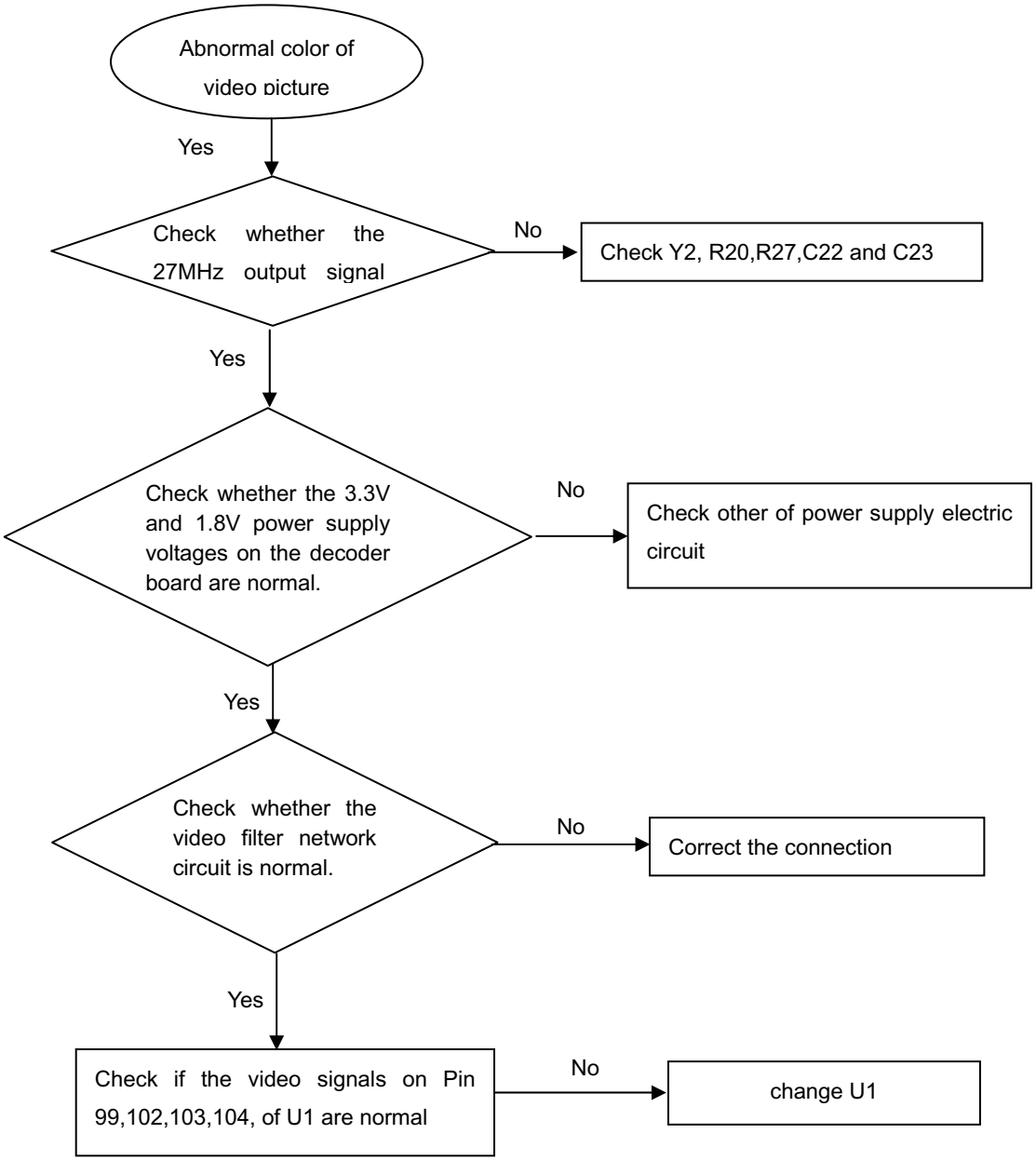
No display on LED, and buttons do not work



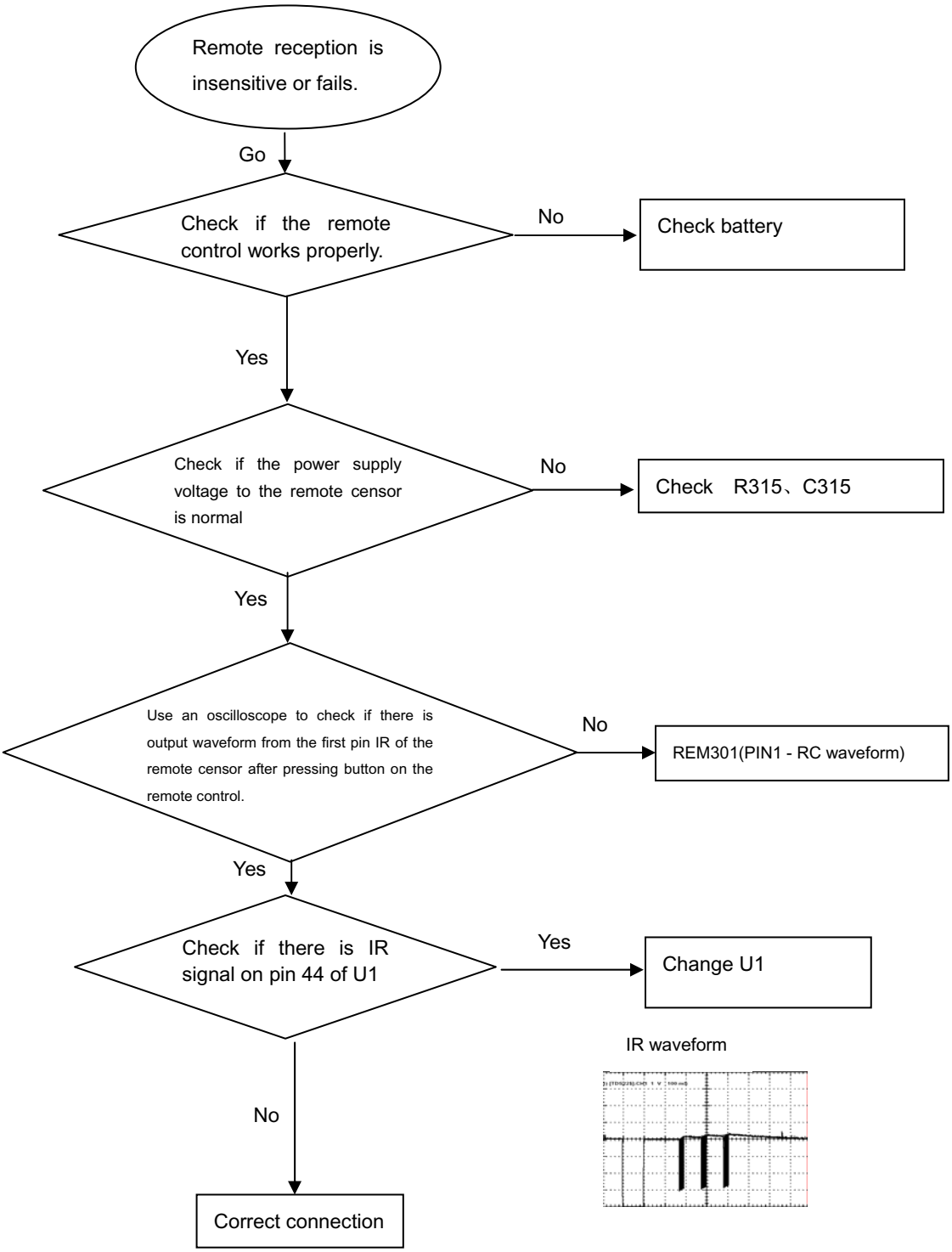
Distorted audio and loud noise



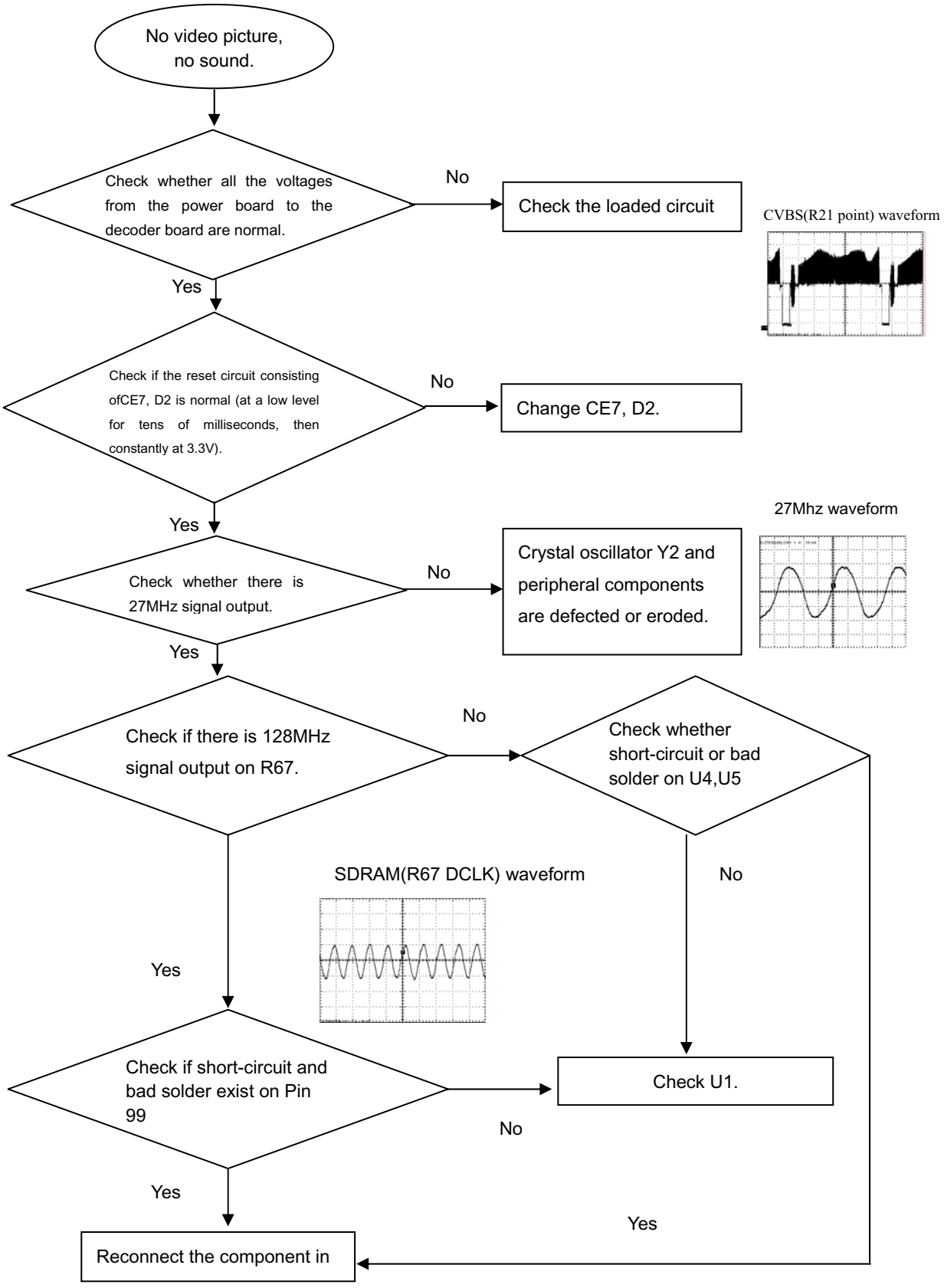
Abnormal color of video picture



Remote reception is insensitive or fails.

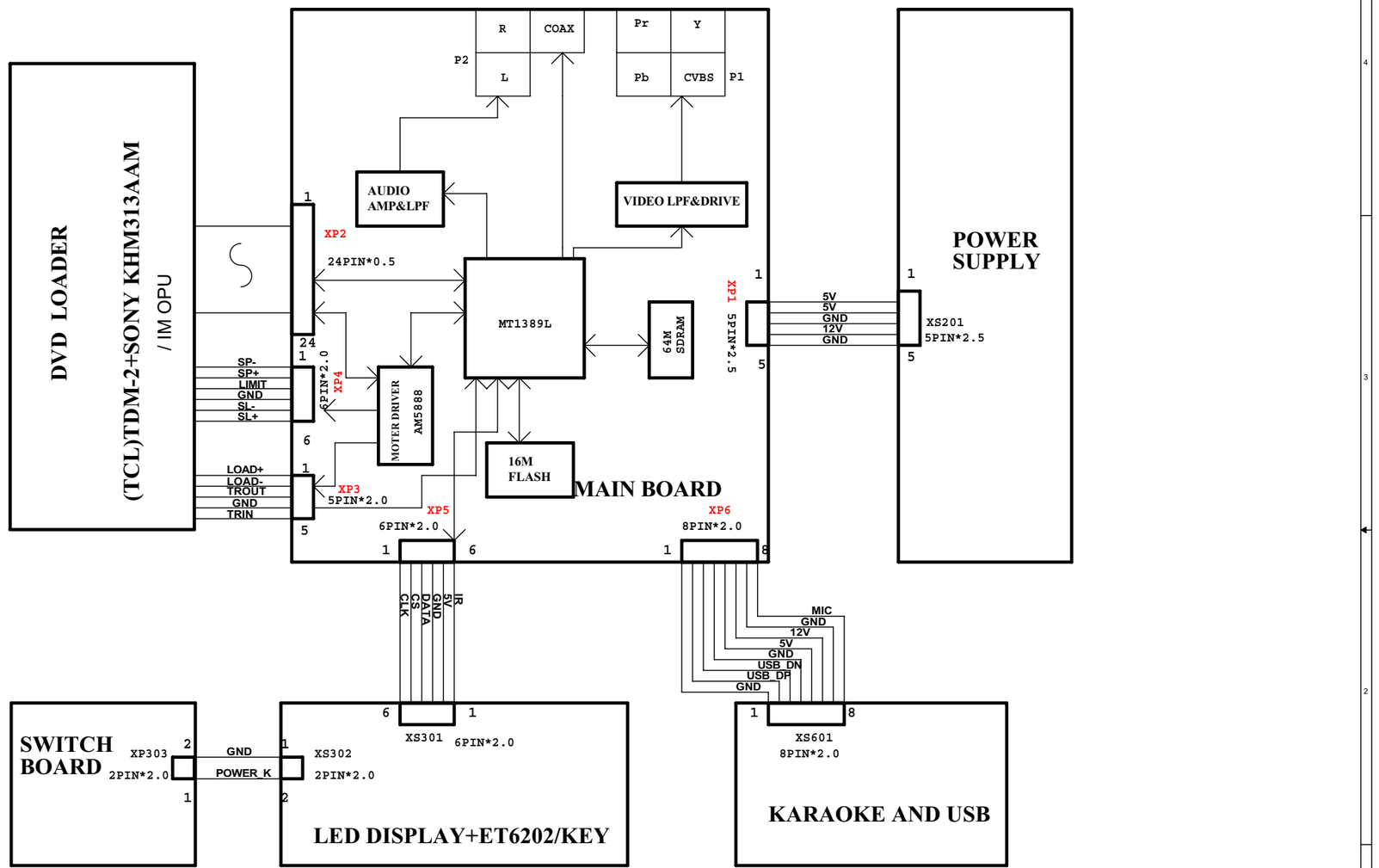


No video picture, no sound.



6-1

DVP3250K/55 WIRING DIAGRAM



Remark: XP6 8PIN*2.0 is divided into XP6 3PIN and XP7 5PIN.

XP5 6PIN*2.0 is the same as HS 6P PH-6Y/JC20-6Y 150MM

XS302 2PIN*2.0 is the same as 2P HS

XP6 8PIN*2.0 is the same as 8PIN CABLE WITCH SHIELD

XP4 6PIN*2.0 is the same as HS 6P PH-6Y/PH-6Y

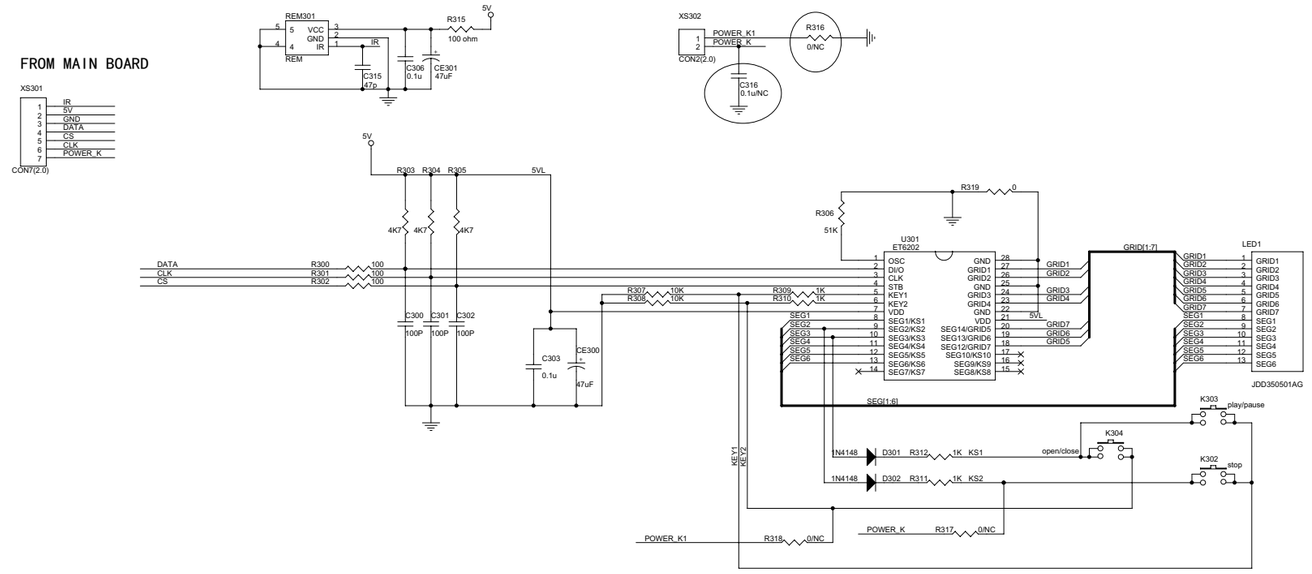
XP2 24PIN*0.5 is the same as 24PIN HS

XP3 5PIN*2.0 is the same as PH-5Y/PH-5Y L=130MM

XP1 5PIN*2.5 is the same as 5PIN CABLE TJC3-5Y/SCN-5P L=90MM

7-1

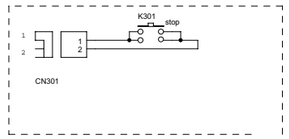
Front Board Electric Diagram for DVP3250K/55



C300	B2
C301	B2
C302	B2
C303	B2
C306	B1
C315	A1
C316	B1
CE300	B2
CE301	B1
D301	C2
D302	C2
K302	D2
K303	D2
K304	C2
LED1	D1
R300	A1
R301	A1
R302	A1
R303	B1
R304	B1
R305	B1
R306	C1
R307	B1
R308	B1
R309	B1
R310	B1
R311	C2
R312	C2
R315	B1
R316	C1
R317	C2
R318	B2
R319	C1
REM301	A1
U301	C1
XS301	A1
XS302	B1

7-2

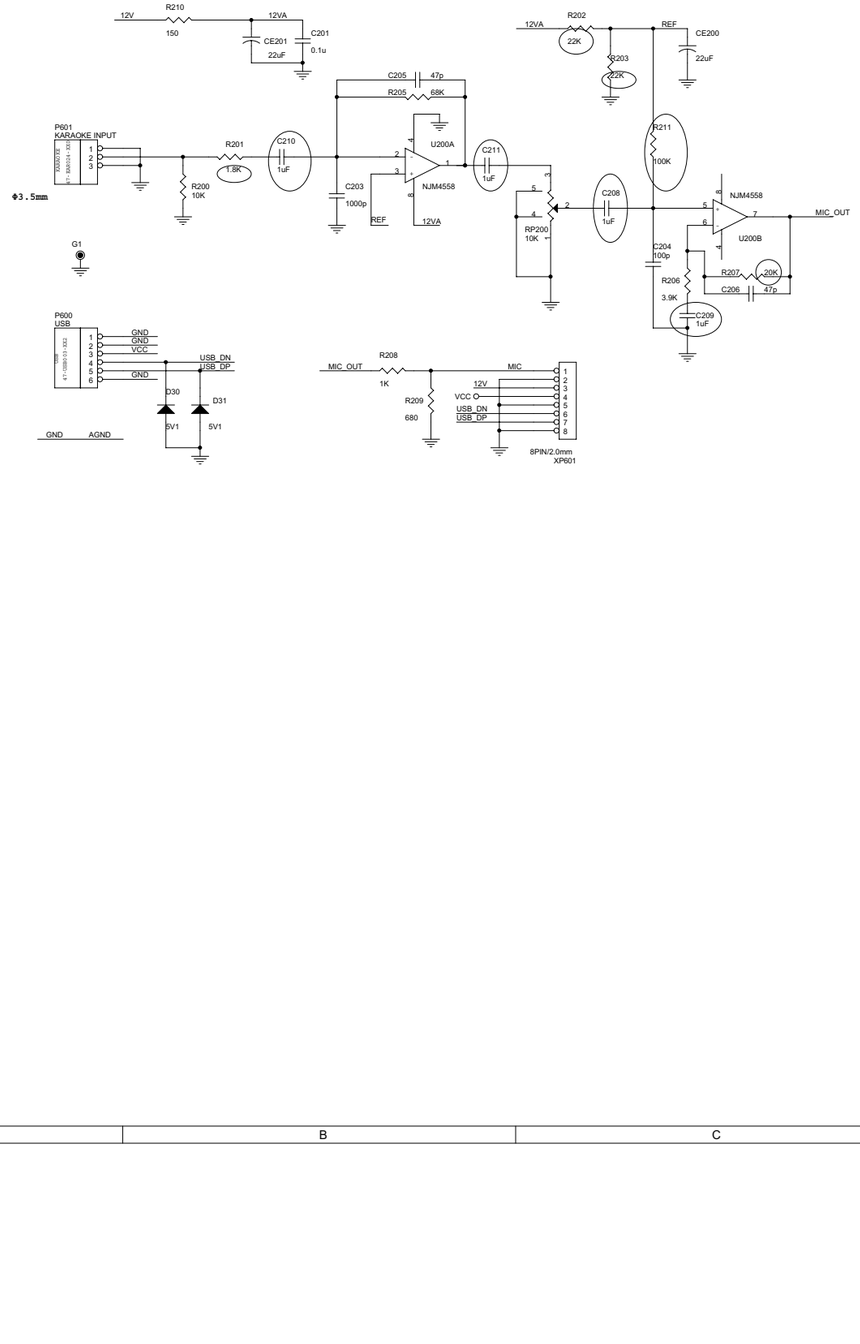
Switch Board Electric Diagram for DVP3250K/55



SWITCH BOARD

7-3

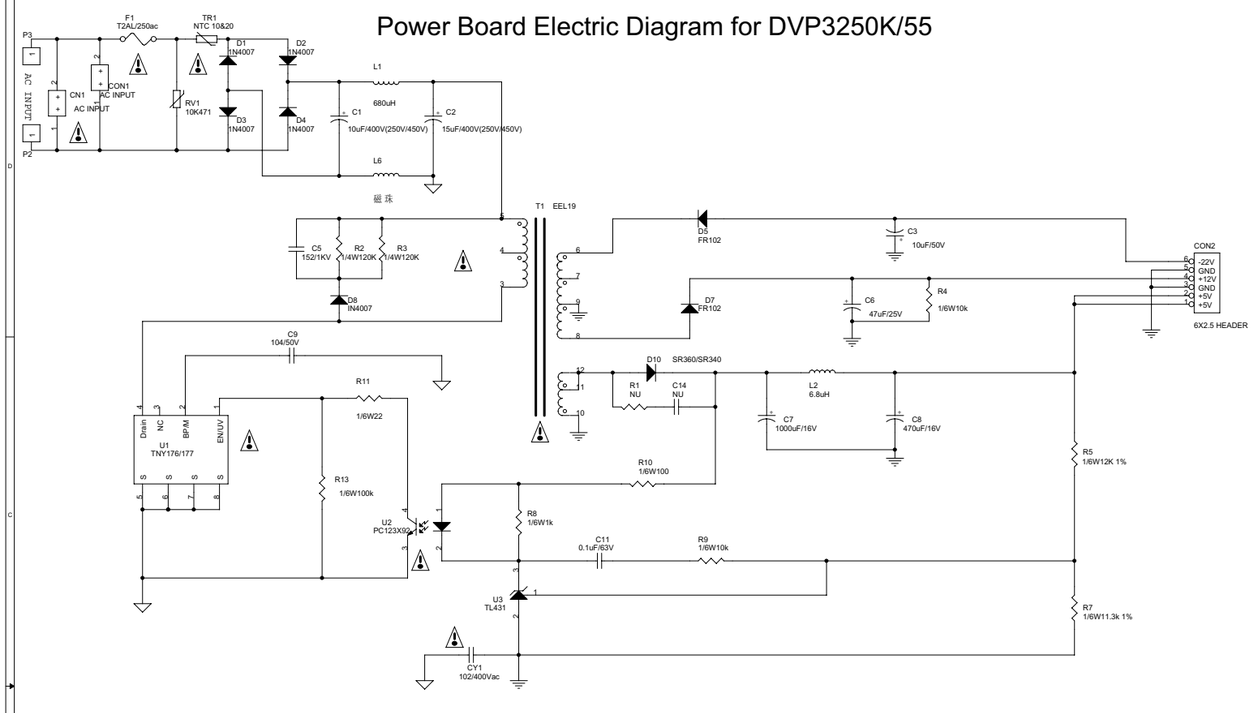
OK+USB+LED Board for DVP3250K/55:



C201	B1
C203	B2
C204	C2
C205	B1
C206	C2
C208	C2
C209	C2
C210	B2
C211	B2
CE200	C1
CE201	B1
D30	B2
D31	B2
G1	A2
P600	A2
P601	A2
R200	B2
R201	B2
R202	C1
R203	C1
R205	B1
R206	C2
R207	C2
R208	B2
R209	B2
R210	B1
R211	C2
RP200	B2
U200A	B2
U200B	C2
XP601	C2

7-4

Power Board Electric Diagram for DVP3250K/55



*** CAUTION :**

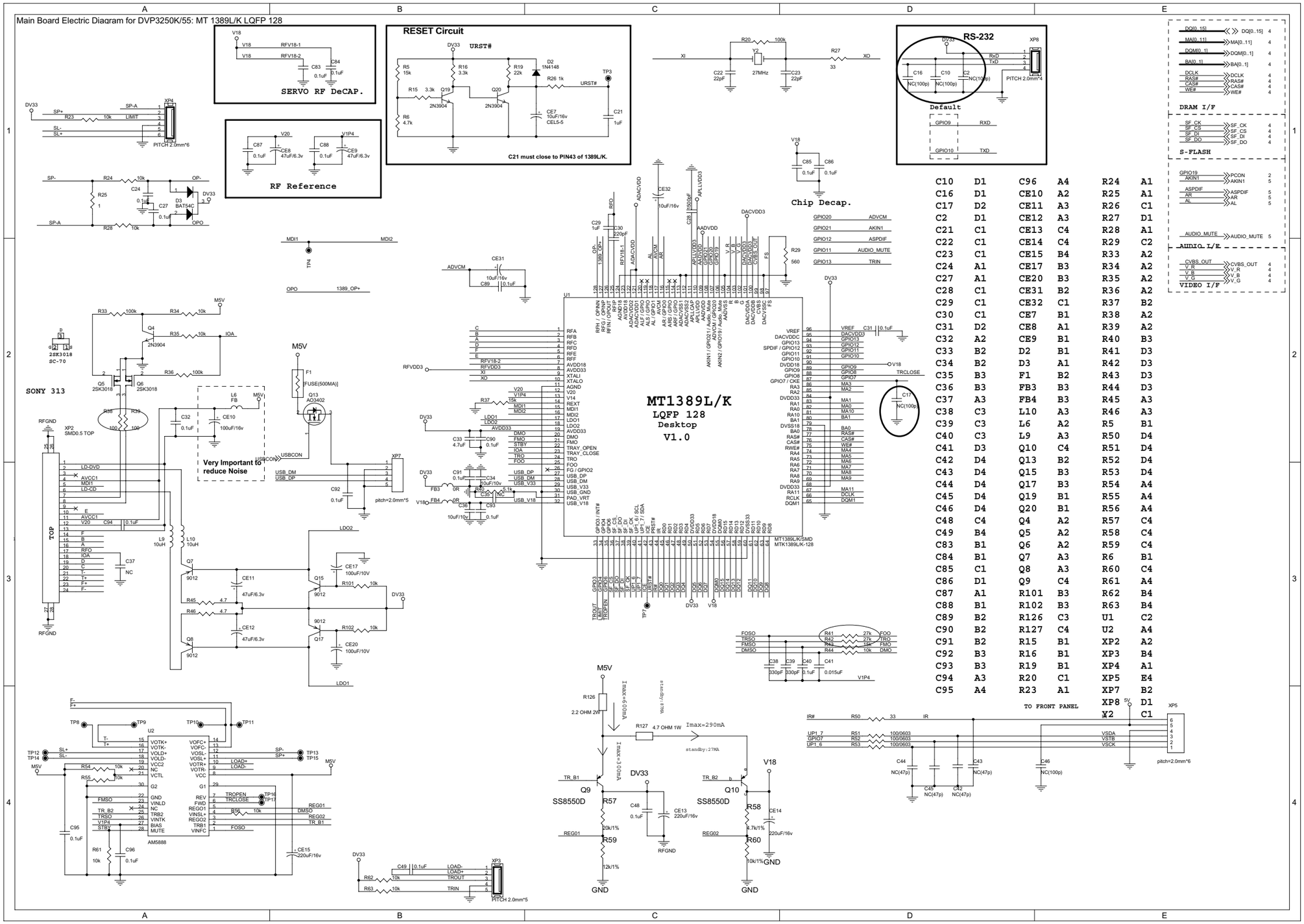
THE PARTS MARKED WITH ⚠ ARE IMPORTANT PARTS ON THE SAFETY.

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

C1	A1
C11	B2
C14	B2
C2	B1
C3	C1
C5	A1
C6	C1
C7	B2
C8	C2
C9	A2
CN1	A1
CON1	A1
CON2	C1
CY1	B2
D1	A1
D10	B2
D2	A1
D3	A1
D4	A1
D5	B1
D7	B1
D8	A1
F1	A1
L1	A1
L2	B2
L6	A1
P2	A1
P3	A1
R1	B2
R10	B2
R11	A2
R13	A2
R2	A1
R3	A1
R4	C1
R5	C2
R7	C2
R8	B2
R9	B2
RV1	A1
T1	B1
TR1	A1
U1	A2
U2	A2
U3	B2

7-5

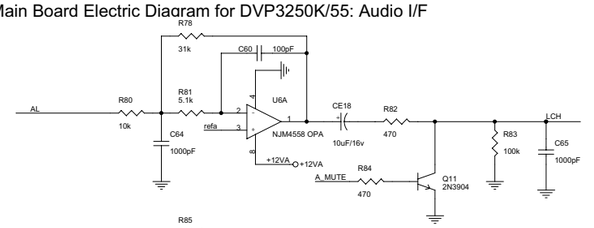
Main Board Electric Diagram for DVP3250K/55: MT 1389L/K LQFP 128

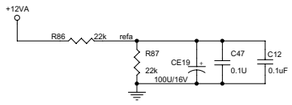


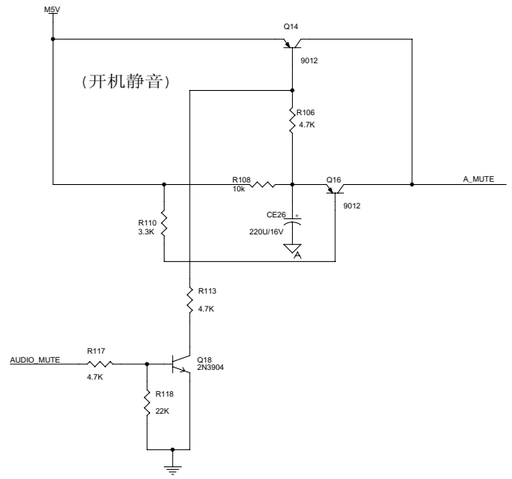
C10	D1	C96	A4	R24	A1
C16	D1	CE10	A2	R25	A1
C17	D2	CE11	A3	R26	C1
C2	D1	CE12	A3	R27	D1
C21	C1	CE13	C4	R28	A1
C22	C1	CE14	C4	R29	C2
C23	C1	CE15	B4	R33	A2
C24	A1	CE17	B3	R34	A2
C27	A1	CE20	B3	R35	A2
C28	C1	CE31	B2	R36	A2
C29	C1	CE32	C1	R37	B2
C30	C1	CE7	B1	R38	A2
C31	D2	CE8	A1	R39	A2
C32	A2	CE9	B1	R40	B3
C33	B2	D2	B1	R41	D3
C34	B2	D3	A1	R42	D3
C35	B3	F1	B2	R43	D3
C36	B3	FB3	B3	R44	D3
C37	A3	FB4	B3	R45	A3
C38	C3	L10	A3	R46	A3
C39	C3	L6	A2	R5	B1
C40	C3	L9	A3	R50	D4
C41	D3	Q10	C4	R51	D4
C42	D4	Q13	B2	R52	D4
C43	D4	Q15	B3	R53	D4
C44	D4	Q17	B3	R54	A4
C45	D4	Q19	B1	R55	A4
C46	D4	Q20	B1	R56	A4
C48	C4	Q4	A2	R57	C4
C49	B4	Q5	A2	R58	C4
C83	B1	Q6	A2	R59	C4
C84	B1	Q7	A3	R6	B1
C85	C1	Q8	A3	R60	C4
C86	D1	Q9	C4	R61	A4
C87	A1	R101	B3	R62	B4
C88	B1	R102	B3	R63	B4
C89	B2	R126	C3	U1	C2
C90	B2	R127	C4	U2	A4
C91	B2	R15	B1	XP2	A2
C92	B3	R16	B1	XP3	B4
C93	B3	R19	B1	XP4	A1
C94	A3	R20	C1	XP5	E4
C95	A4	R23	A1	XP7	B2
				XP8	D1
				Y2	C1

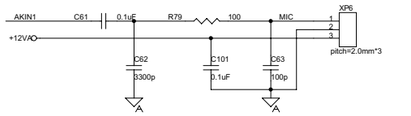
7-6

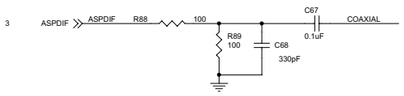
Main Board Electric Diagram for DVP3250K/55: Audio I/F

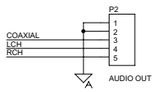


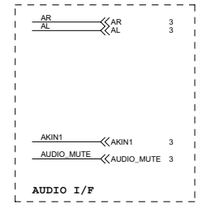












C101	C1
C12	A2
C47	A2
C60	A1
C61	C1
C62	C1
C63	C1
C64	A1
C65	B1
C66	A1
C67	C1
C68	C1
C69	A1
C70	B1
CE18	A1
CE19	A2
CE21	A1
CE26	A3
P2	C2
Q11	B1
Q12	B2
Q14	A2
Q16	A3
Q18	A3
R106	A2
R108	A3
R110	A3
R113	A3
R117	A3
R118	A3
R78	A1
R79	C1
R80	A1
R81	A1
R82	A1
R83	B1
R84	A1
R85	A1
R86	A2
R87	A2
R88	C1
R89	C1
R90	A1
R91	A1
R92	A1
R93	B1
R94	A2
U6A	A1
U6B	A1
XP6	C1

7-7

COMMON1389L/K_KHM313_AM5888_V2 Desktop Model

MT1389L/K (LQFP128) DVD TEST Board w/ Sony KHM Series PUHs

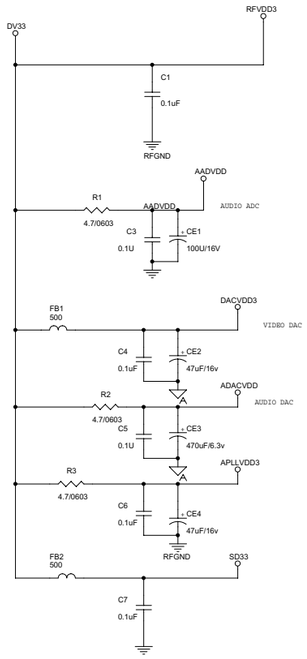
MT1389L/K Features Support List (MIC/USB Only for MT1389L)

Item	Features
1	5.1CH(only 2CH for 89K) + USB + VFD + AMUTE
2	
3	
4	

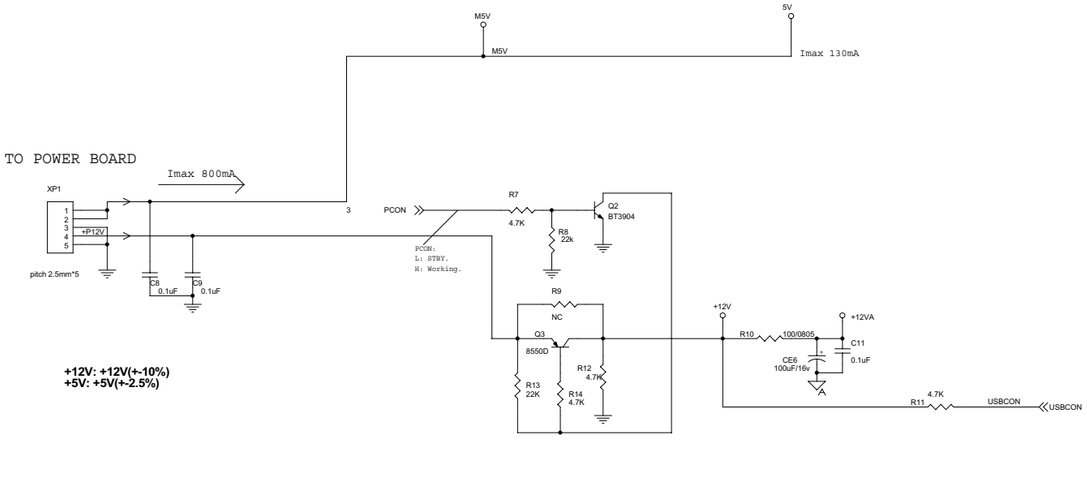
MT1389L/K General GPIO List

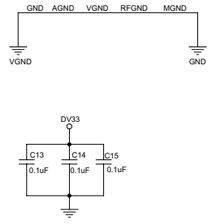
Name	PIN	Features
GPIO3	33	TROUT
GPIO4	34	LIMIT
GPIO6	35	TROPEN
GPIO7	87	VSTB
GPO_A	22	STBY
GPO_B	23	IOA
GPIO2	26	NC
GPIO8	88	TRCLOSE
GPIO9	89	RXD
GPIO10	91	TXD
GPIO11	92	AUDIO_MUTE
GPIO12	93	ASPDIF
GPIO13	94	TRIN
GPIO19	106	PCON
GPIO20	107	ADVCM
GPIO21	108	AKIN1
GPIOK0	27	Only for 89K
GPIOK1	28	Only for 89K
GPIOK2	31	Only for 89K

Main Board Electric Diagram for DVP3250K/55: Power



C1	D1
C11	C4
C13	D4
C14	D4
C15	D4
C3	D2
C4	D2
C5	D2
C6	D2
C7	D3
C8	A3
C9	A3
CE1	D2
CE2	D2
CE3	D2
CE4	D2
CE6	C4
FB1	D2
FB2	D3
Q2	B3
Q3	B3
R1	D2
R10	B3
R11	C4
R12	B4
R13	B4
R14	B4
R2	D2
R3	D2
R7	B3
R8	B3
R9	B3
XP1	A3

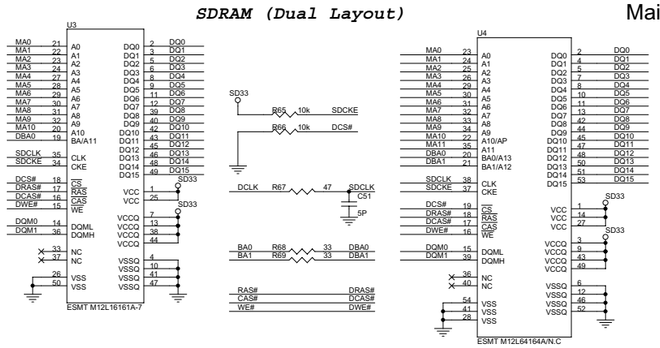




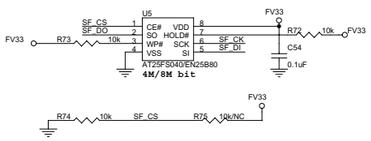
7-8

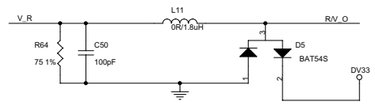
Main Board Electric Diagram for DVP3250K/55 : SDRAM & FLASH & Video OUT

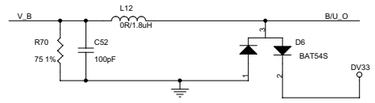
SDRAM (Dual Layout)

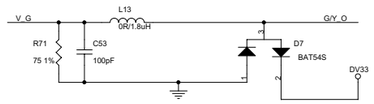


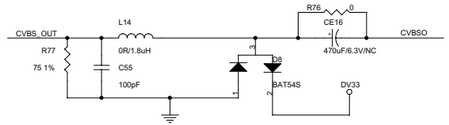
S-FLASH

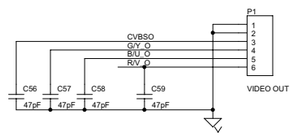


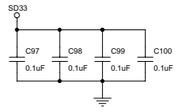


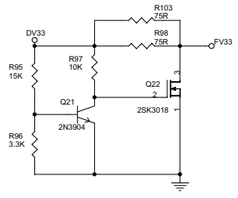


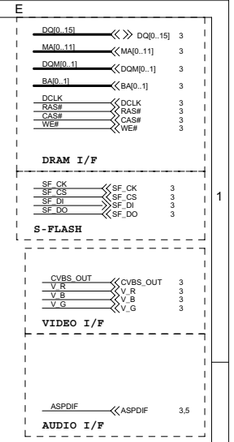








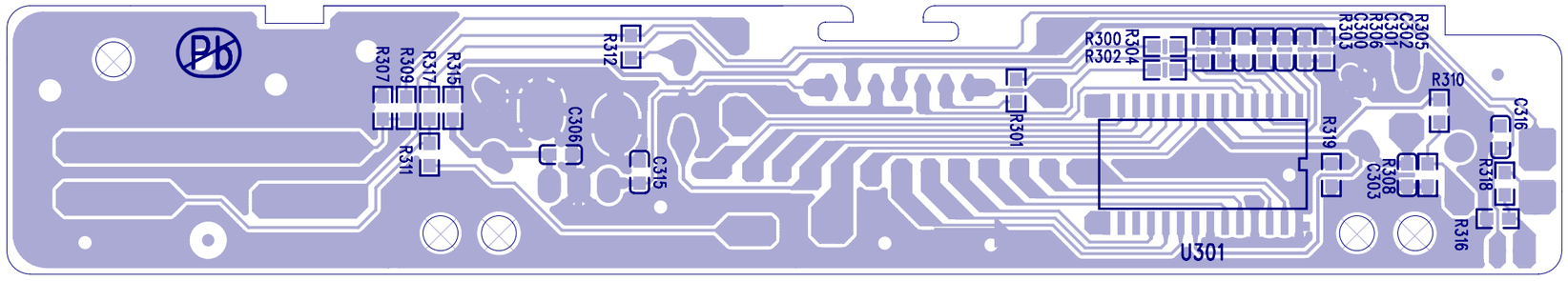




C100	A3
C50	B1
C51	A1
C52	B1
C53	B2
C54	A2
C55	B2
C56	B3
C57	B3
C58	B3
C59	C3
C97	A3
C98	A3
C99	A3
CE16	C2
D5	C1
D6	C1
D7	C2
D8	C2
L11	C1
L12	B1
L13	B2
L14	C2
P1	C2
Q21	B3
Q22	B3
R103	B3
R64	B1
R65	A1
R66	A1
R67	A1
R68	A1
R69	A1
R70	B1
R71	B2
R72	A2
R73	A2
R74	A2
R75	A2
R76	C2
R77	B2
R95	A3
R96	A3
R97	B3
R98	B3
U3	A1
U4	B1
U5	A2

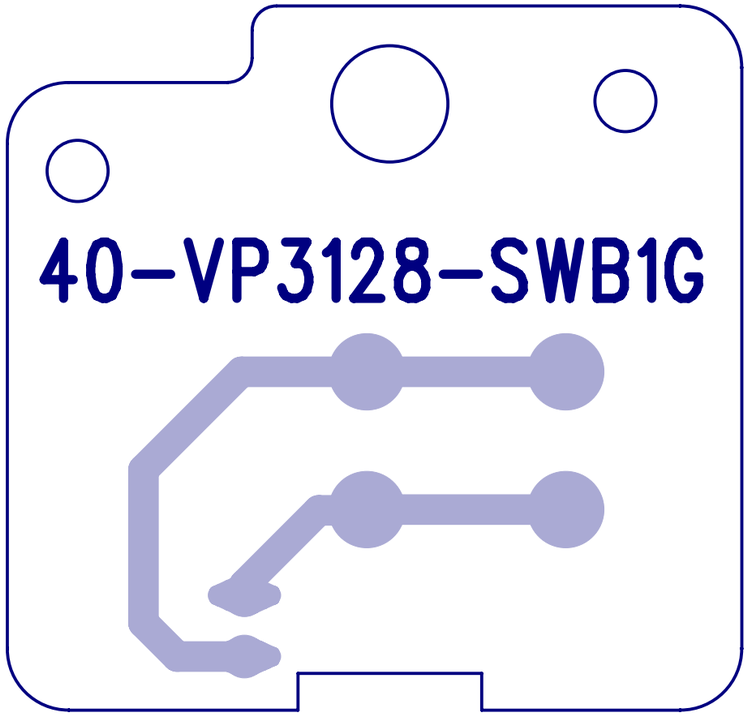
7-9

Front Board Print-layout (Bottom side) for DVP3250K/55



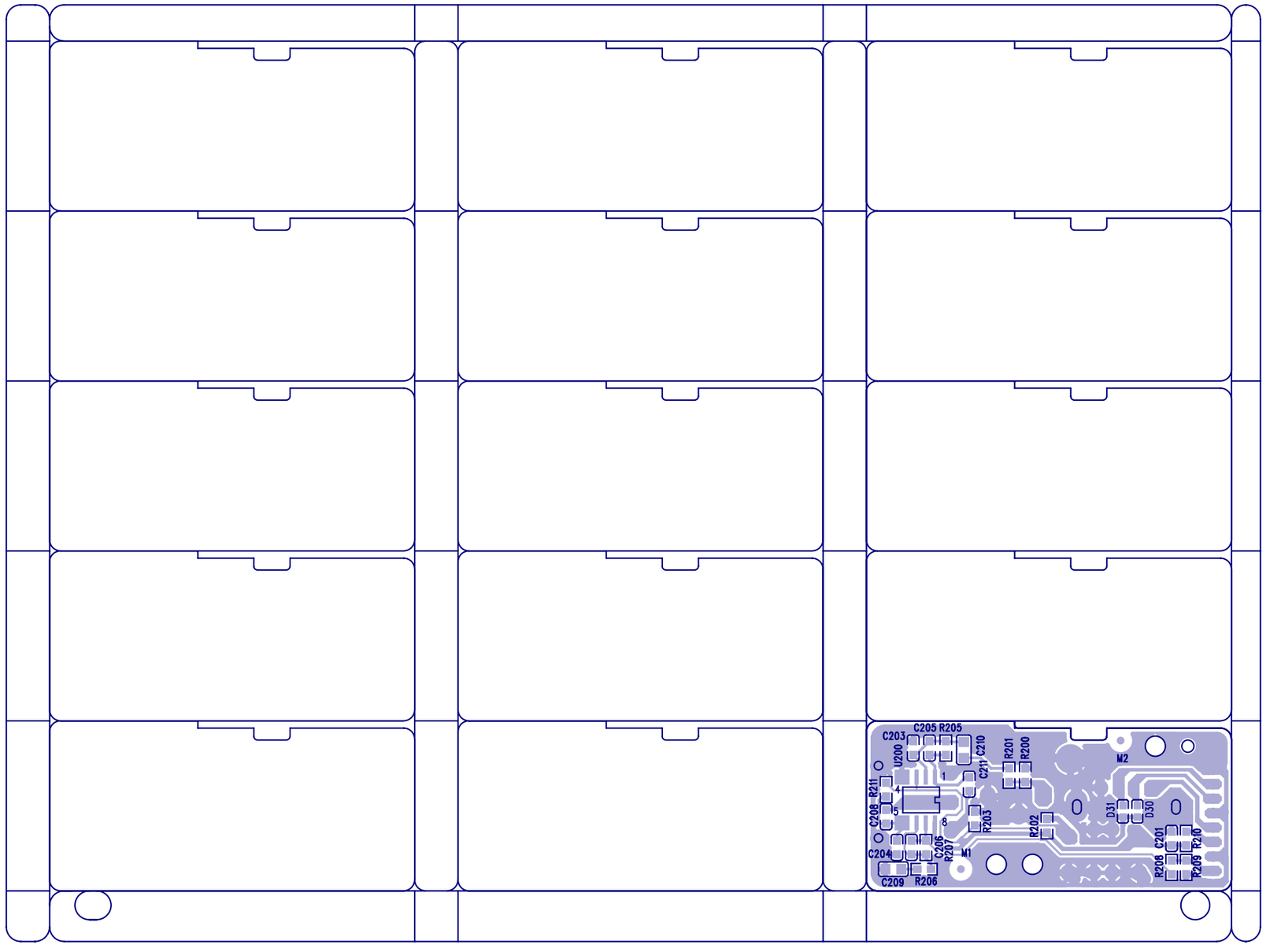
7-10

Switch Board Print-layout (Bottom side)for DVP3250K/55



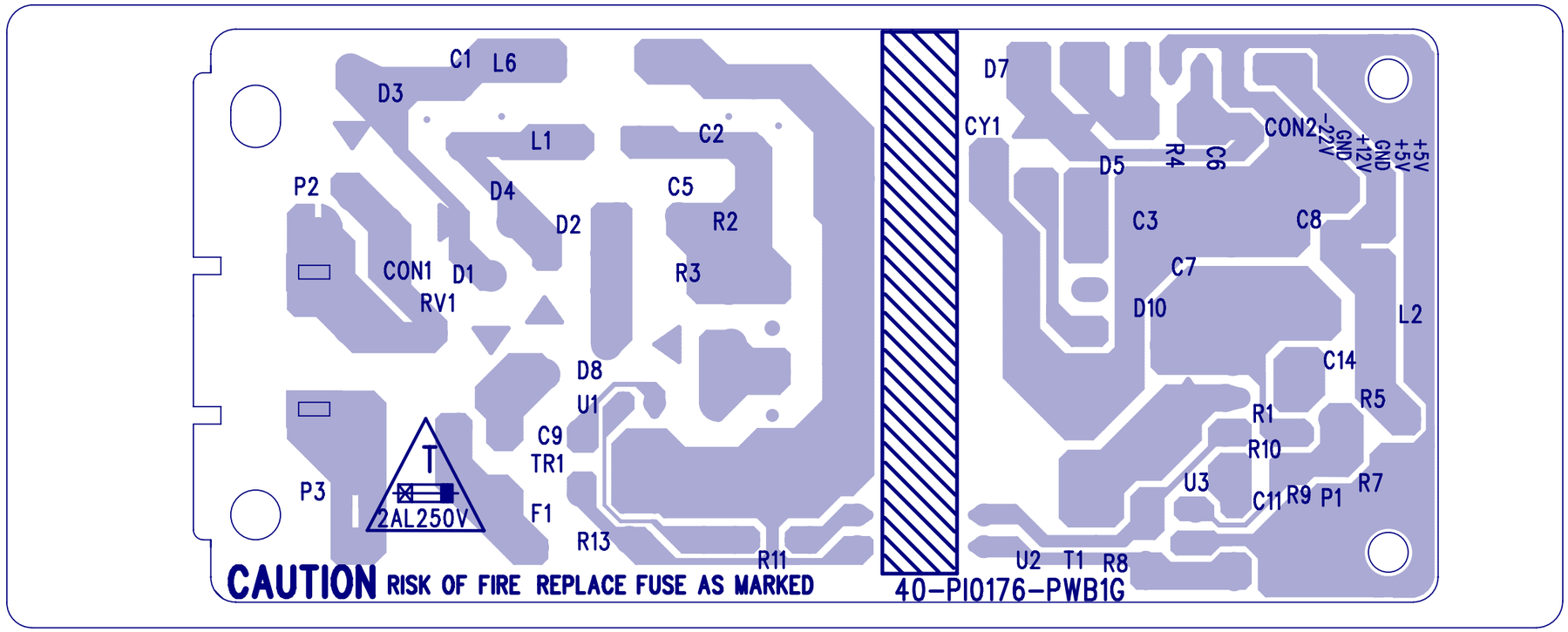
7-11

OK + USB Board Print-layout (Bottom side) for DVP3250K/55



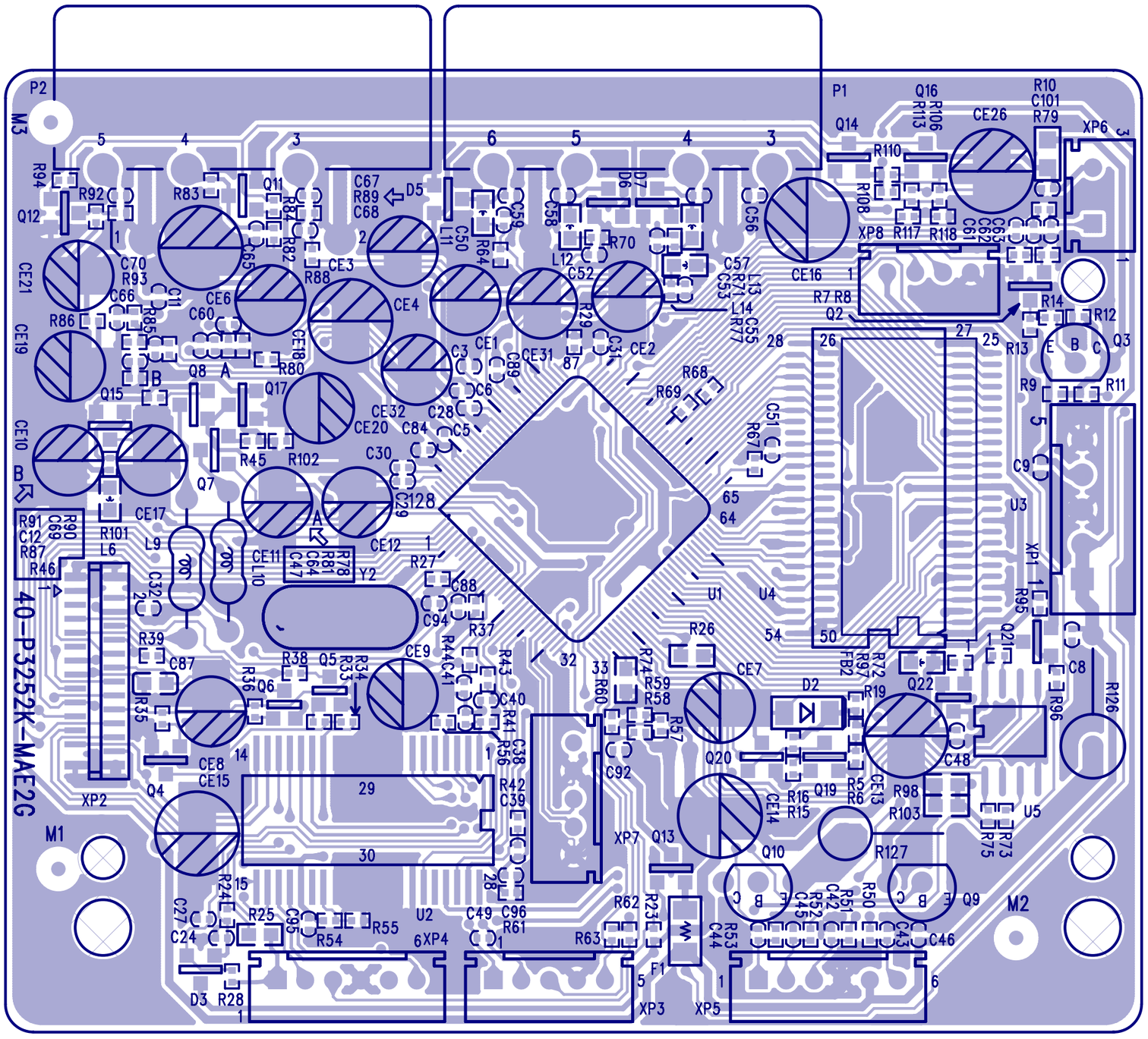
7-12

Power Board Print-layout (Bottom side) for DVP3250K/55



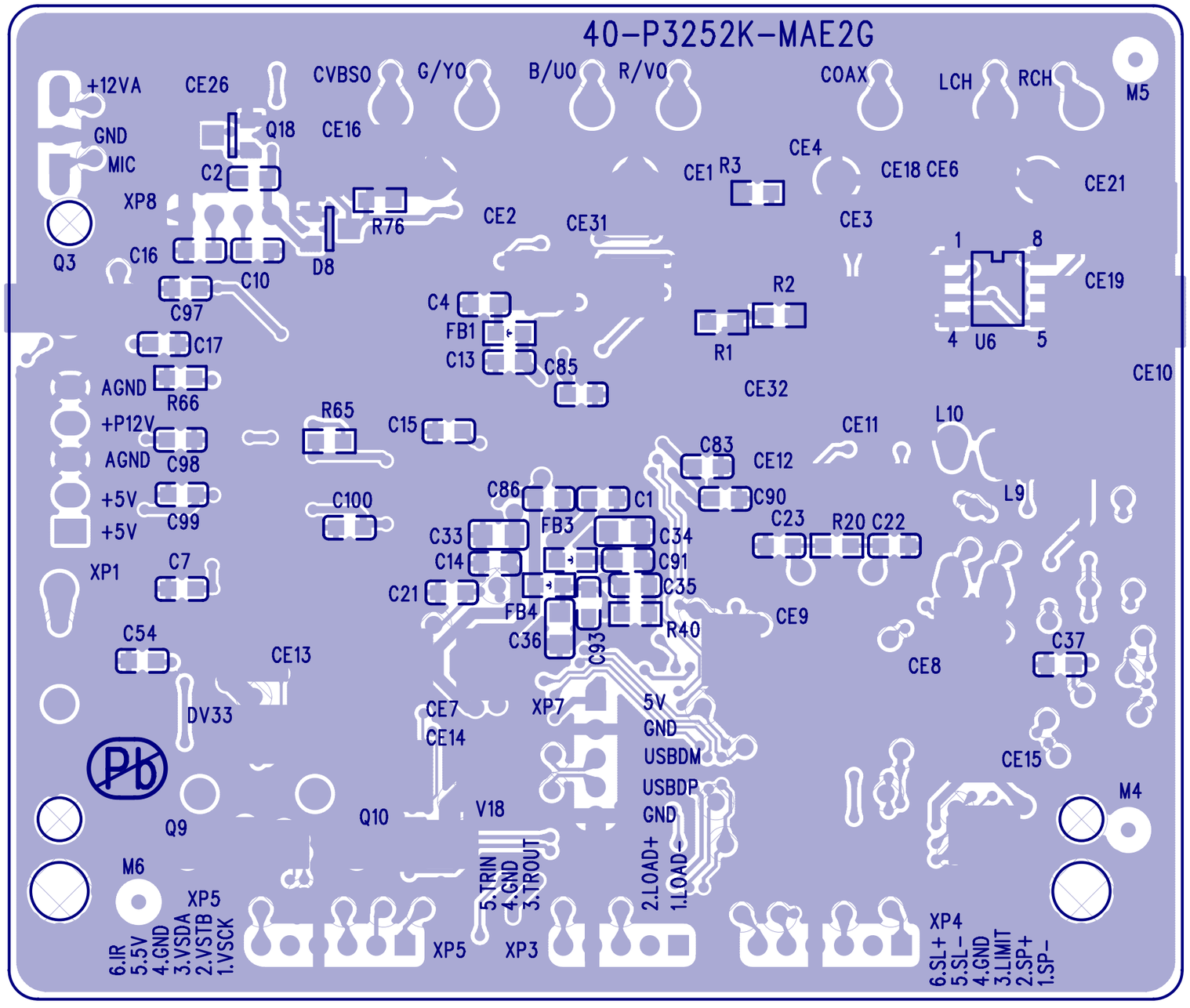
7-13

Main Board Print-layout (Top side) for DVP3250K/55

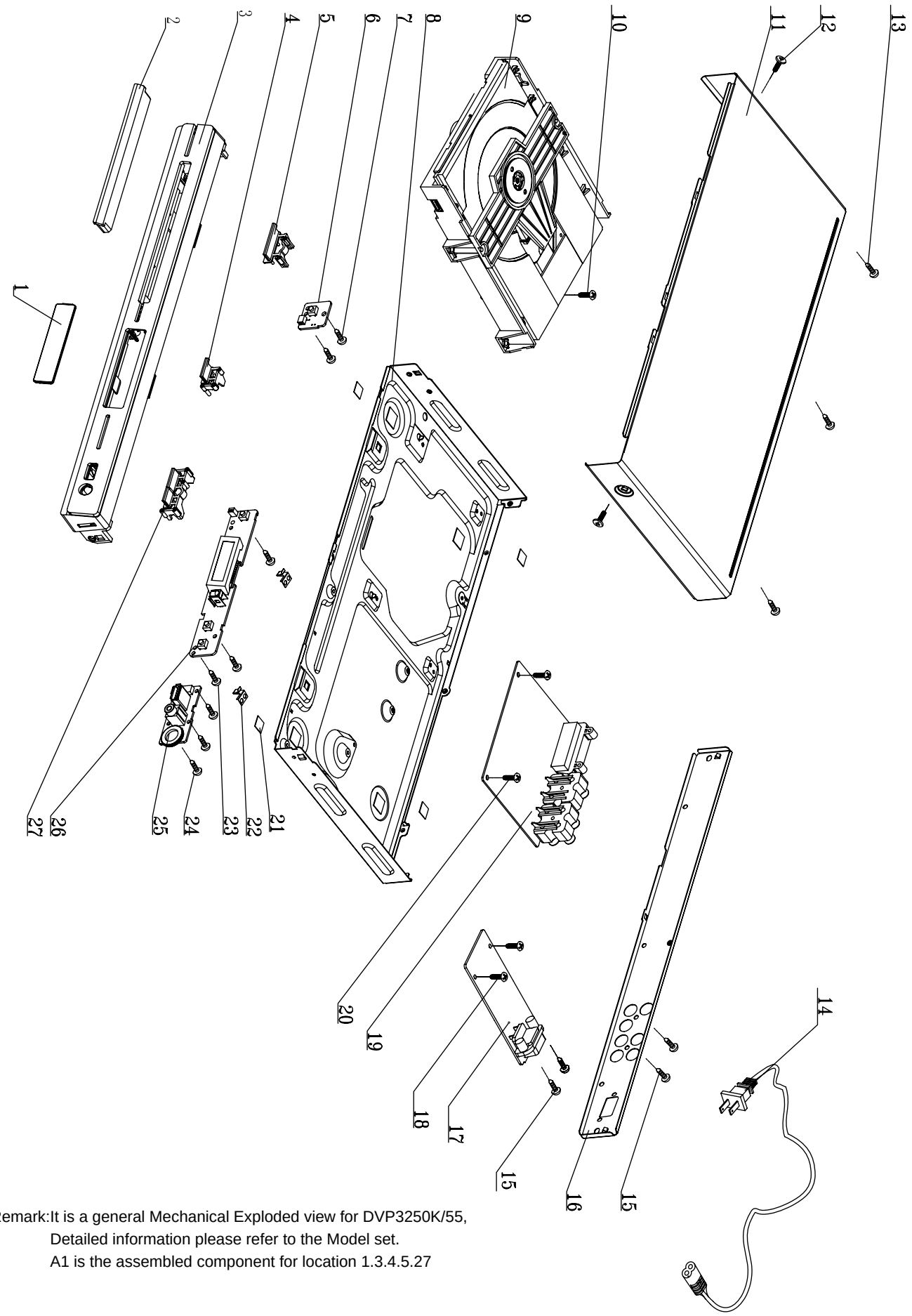


7-14

Main Board Print -layout (Bottom side) for DVP3250K/55



Exploded View for DVP3250K/55:



Remark:It is a general Mechanical Exploded view for DVP3250K/55,
Detailed information please refer to the Model set.
A1 is the assembled component for location 1.3.4.5.27

Electrical PARTS LIST

No	12NC No.	Part Name	Q'ty
⚠ **17**	**996510010952**	**ASSY- PW BD**	**1**
D1	996510011047	DIODE IN4007	1
D8	996510011047	DIODE IN4007	1
D4	996510011047	DIODE IN4007	1
D3	996510011047	DIODE IN4007	1
D2	996510011047	DIODE IN4007	1
D10	996500027866	DIODE SR360 3A/60V	1
D7	996500014043	DIODE FR102 (FAST RECOVERY)	1
F1	996510001780	FUSE 2A 250V 5X20MM	1
L1	996510009942	COIL WIDTH	1
L2	996500032509	COIL SL0811-6R8K2R4	1
T1	996510010954	TRANSFORMER CONV	1
U1	996510010953	IC TNY176PN	1
U2	996500027867	PHOTOCOUPLER PS2561L1-1-V(WF)	1
U3	996510009661	adjustable shunt regulator	1
19	**996510018201**	**ASSY- MAIN BD**	**1**
D2	996510009667	SMD. SWITCHING DIODE LL4148	1
D3	996510009668	BAT54C	1
D5	996510009859	SCHOTTKY DIODES BAT54S SOP-23	1
D8	996510009859	SCHOTTKY DIODES BAT54S SOP-23	1
D7	996510009859	SCHOTTKY DIODES BAT54S SOP-23	1
D6	996510009859	SCHOTTKY DIODES BAT54S SOP-23	1
L10	996500014082	COIL CHOKE 10UH +/-10%	1
L9	996500014082	COIL CHOKE 10UH +/-10%	1
Q10	996510009671	TRANSISTOR	1
Q9	996510009671	TRANSISTOR	1
Q3	996510009671	TRANSISTOR	1
Q11	996510009669	SMD.TRANSISTOR MMBT3904LT1 NPN	1
Q4	996510009669	SMD.TRANSISTOR MMBT3904LT1 NPN	1
Q20	996510009669	SMD.TRANSISTOR MMBT3904LT1 NPN	1
Q20	996510009669	SMD.TRANSISTOR MMBT3904LT1 NPN	1
Q19	996510009669	SMD.TRANSISTOR MMBT3904LT1 NPN	1
Q18	996510009669	SMD.TRANSISTOR MMBT3904LT1 NPN	1
Q12	996510009669	SMD.TRANSISTOR MMBT3904LT1 NPN	1
Q13	996510010949	MOSFET AO3402	1
Q14	996510009670	TRANSISTOR SMT 3CG9012M	1
Q8	996510009670	TRANSISTOR SMT 3CG9012M	1
Q7	996510009670	TRANSISTOR SMT 3CG9012M	1
Q17	996510009670	TRANSISTOR SMT 3CG9012M	1
Q16	996510009670	TRANSISTOR SMT 3CG9012M	1
Q15	996510009670	TRANSISTOR SMT 3CG9012M	1
Q5	996510009769	N Channel MOSFET 2SK3108	1
Q6	996510009769	N Channel MOSFET 2SK3108	1
U1	996510010950	IC MT1389DE/L	1
U2	996510009674	IC AM5888IC	1
U4	996510009863	64M SDRAM TSOP54 M12L64164A-7T	1
U5	996510010951	16M FLASH	1
U6	996500032494	IC AS4558M	1
Y2	996510009675	27MCL20PF	1
25	**996510010958**	**KU BD**	**1**
U200	996500032494	IC AS4558M	1
26	**996510010956**	**ASSY- FB BD**	**1**
LED1	996510010957	LED	1
REM301	996510010903	IR RECEIVER MODULE 14MM 5V	1
U301	996510009665	IC ET6202 SOP-2	1
6	**996510010955**	**ASSY- SW BD**	**1**
9	**996510018202**	**DVD LOADER**	**1**
OPU	996510018183	IM OPU	1

MECHANICAL & ACCESSORIES PARTS LIST

No	12NC No.	Part Name	Q'ty
11	**996510007452**	**TOP COVER**	**1**
⚠ **14**	**996510001175**	**POWER CORD**	**1**
16	**996510010965**	**BACK PANEL**	**1**
2	**996510020886**	**FRONT DOOR**	**1**
21	**996510006463**	**PAD**	**4**
⚠ **8**	**996510010966**	**BOTTOM CABINET**	**1**
9	**996510018202**	**DVD LOADER**	**1**
ASSY1	**996510020884**	**ASSY - FRONT CABINET**	**1**
AVCable	**996510001106**	**VIDEO CABLE 1500mm**	**1**
Dbox	**996510020883**	**Display BOX**	**1**
⚠ **POWERSOCKET**	**996510020885**	**POWER SOCKET transition**	**1**
RC	**996510010959**	**REMOTE CONTROL**	**1**
XP1	**996510010962**	**5PIN CBL TJC3-5Y/SCN-5P L=90MM**	**1**
XP2	**996510012752**	**24PIN HS**	**1**
XP3	**996510004063**	**CABLE PH-5Y/PH-5Y L=130MM**	**1**
XP4	**996510001222**	**HS 6P PH-6Y/PH-6Y**	**1**
XP5	**996510012698**	**HS 6P PH-6Y/JC20-6Y 150MM**	**1**
XP6	**996510010961**	**8PIN CABLE WITCH SHIELD**	**1**
XS302	**996510004064**	**CABLE 2P HS L=160MM**	**1**

Screws List:

No	Reference No.	Part Name	Q'ty
7	—	S/T SCREW B 2.6 X 8 BF	2
10	—	MACHINE SCREW (B3*7)	1
12	—	M/C SCREW TRIANGLE W 3 X 6	3
13	—	TRIANGLE M/C SCREW B 3 X 6	2
15	—	S/T SCREW B 3 X 8 BF	4
18	—	TRIANGLE M/C SCREW B 3 X 6	2
20	—	TRIANGLE M/C SCREW B 3 X 6	2
23	—	S/T SCREW B 2.6 X 8 BF	3
24	—	S/T SCREW B 2.6 X 8 BF	3

REVISION LIST

Version 1.0
* Initial release for DVP3250K/55

Version 1.1
* Updating Part List