DVD Player

DVP5980(K), DVP5982, DVP5986K

Service

Service

Service

DVP5980/05/12
DVP5980K/55/75
DVP5982/37
DVP5986K/51/93/96/98

Service Manual

TABLE OF CONTENTS

Page

. 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
. Revision List…….....8-1

©Copyright 2007 Philips Consumer Electronics B.V. Eindhoven, The Netherlands
All rights reserved. No part of this publication may be reproduced, stored in aretrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise without the prior permission of Philips.

Published by TCL-HY 0706 Service Audio Printed in The Netherlands Subject to modification

Version 1.0

CLASS 1 LASER PRODUCT

GB 3139 785 324XX

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
RGB（SCART）	0.7Vpp ---- 75 ohm (For Version 05/12)

Video format

Digital Compression	MPEG 2 for DVD,SVCD MPEG 1 for VCD DivX®	
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
Signal-Noise (1kHz)		>90dB
Dynamic Range (1kHz)		>80dB
Cross talk (1kHz)		>80dB
Distortion/Noise (1kHz)		>80dB
MPEG MP3		MPEG Audio L3

Connections

Scart Output	Euroconnector (For Europe version)
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
6 Channal analog ouput (For DVP5986K)	
Audio Front L/R	Cinch(White/Red)
Audio Rear L/R	Cinch(White/Red)
Audio Center	Cinch(Blue)
Audio Subwoofer	Cinch(Black)
HDMI Out	

Cabinet

Dimensions (w X h X d)	435 x 38 x 210 mm
Weight	Approximately 2 kg

Power consumption

Power supply Rating	110V-240V; 50/60HZ
Power consumption	<12W
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 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.

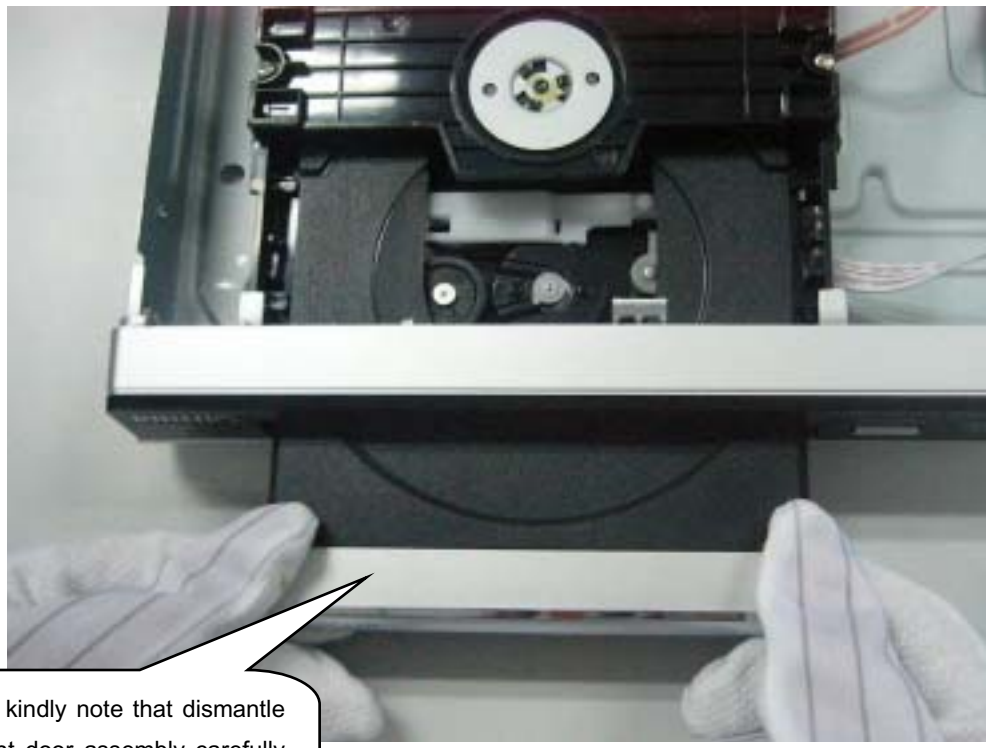
Mechanical and Dismantling Instructions

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.

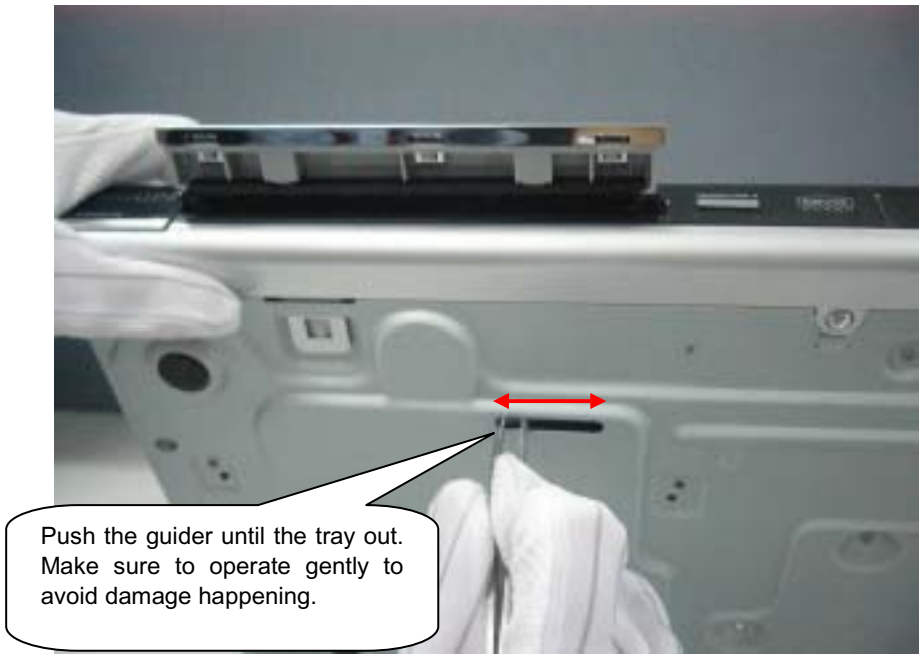


Figure 3

Step4: Dismantling Loader, disconnect the 3 connectors aiming in the below figure, and remove 1 screw around the Loader. (Figure 4)

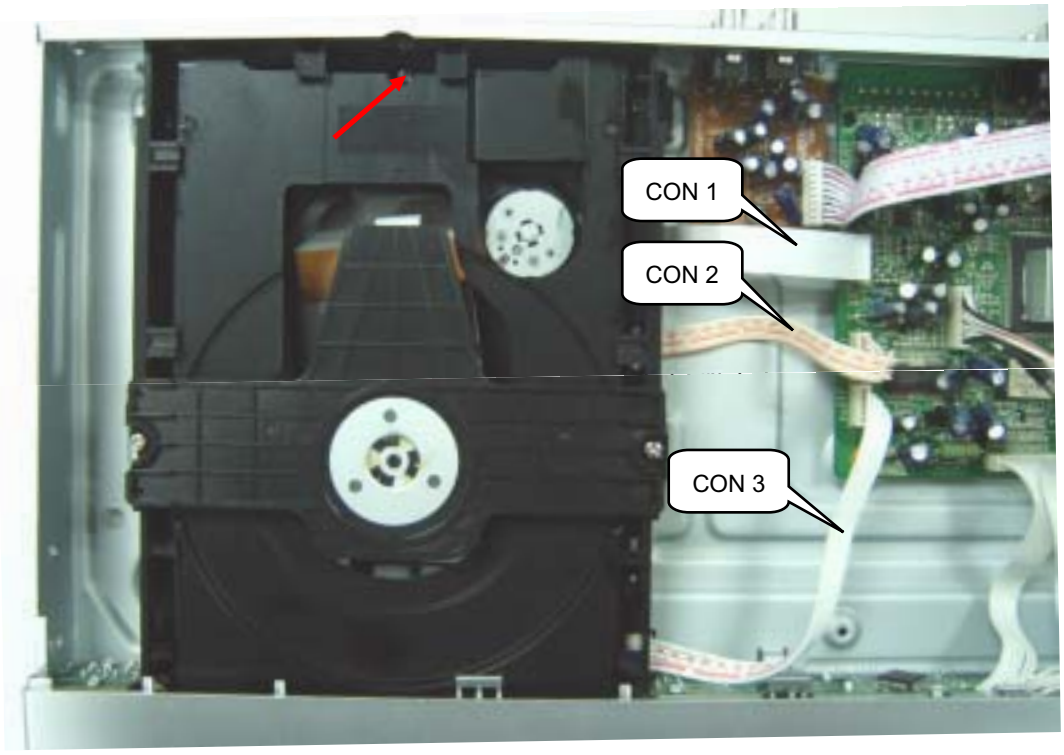


Figure 4

Mechanical and Dismantling Instructions

Dismantling Instruction

Step5: Dismantling Front Panel, disconnect the 3 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)

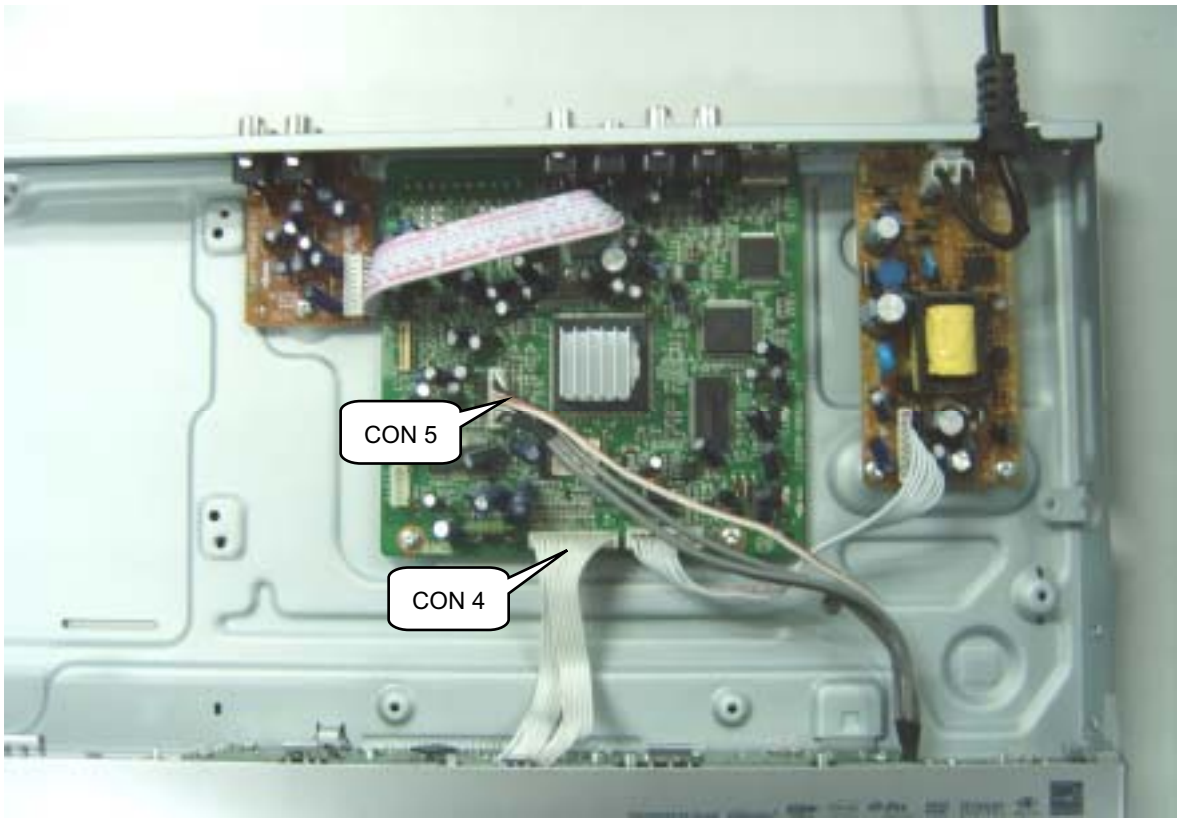


Figure 5

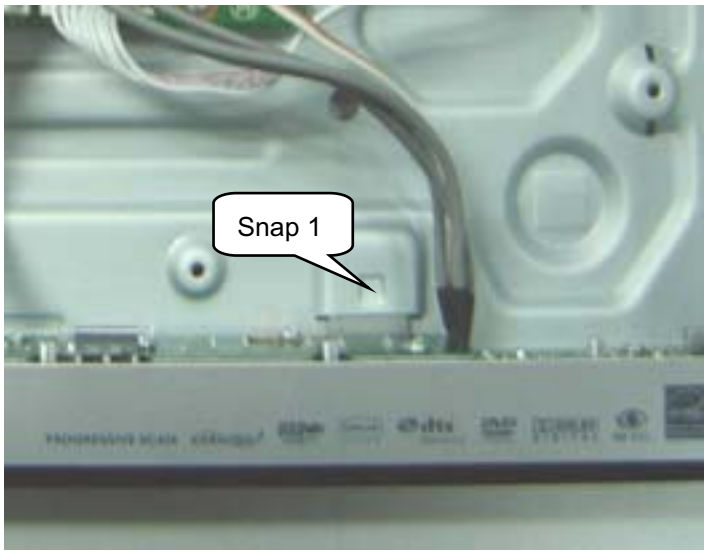


Figure 6

Figure 7

Mechanical and Dismantling Instructions

Dismantling Instruction

Step6: Dismantling AV Board, first disconnect the 1 connector, and then remove 2 screws to remove the AV board. (Figure 8)

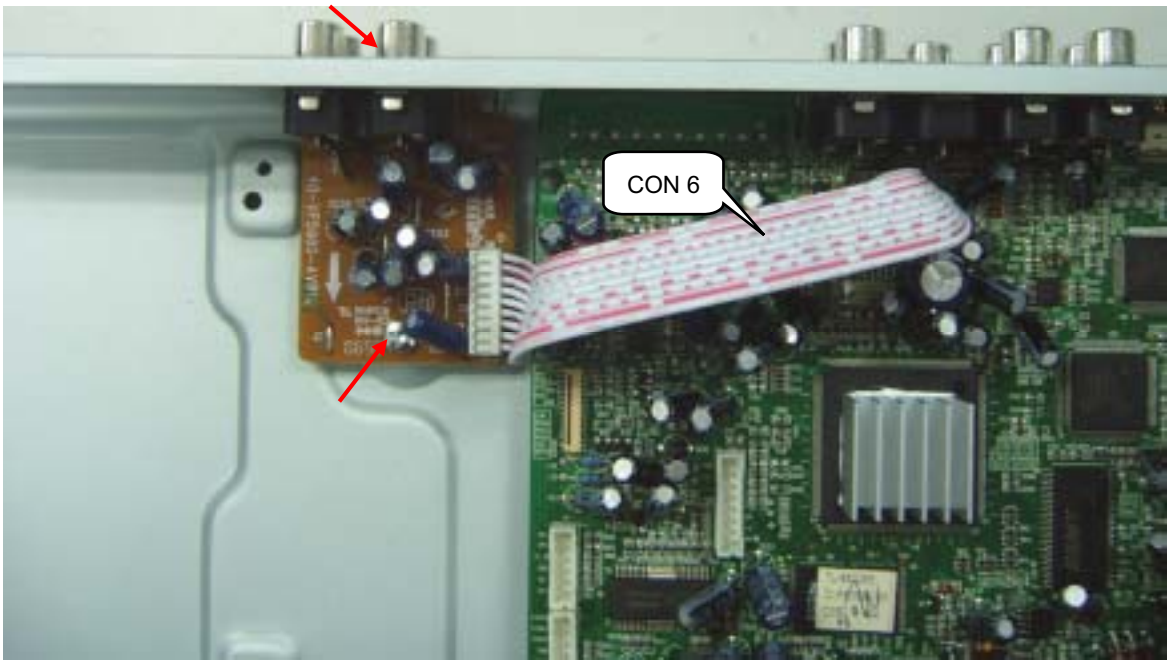


Figure 8

Step7: Dismantling Main Board, first disconnect the 1 connector, and then remove 4 screws. (Figure 9)

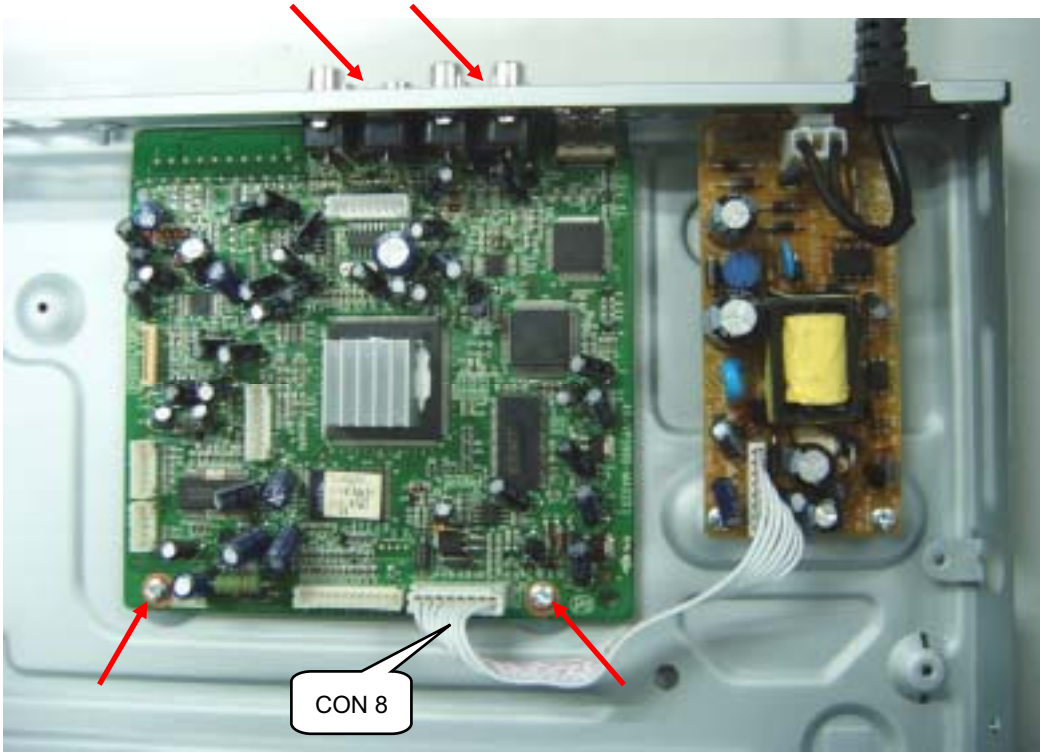


Figure 9

Mechanical and Dismantling Instructions

Dismantling Instruction

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

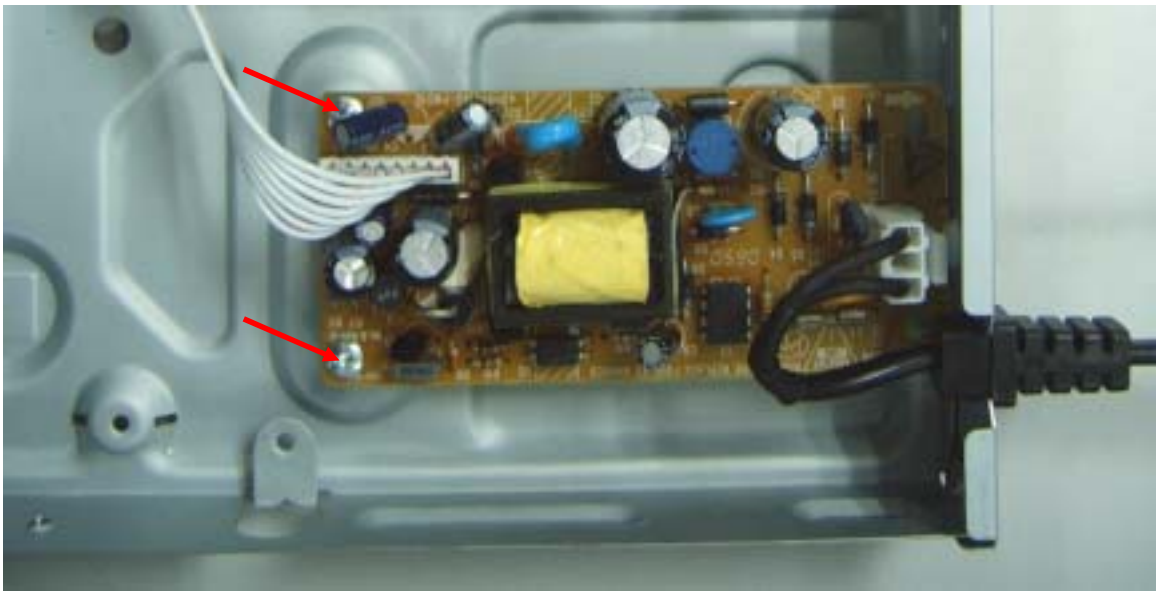


Figure 10

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: DVP5XXX (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 disc will automatically out when files coping complete, then take out the disc.
5) About 1 minute later, the trace will automatically close when upgrading complete.

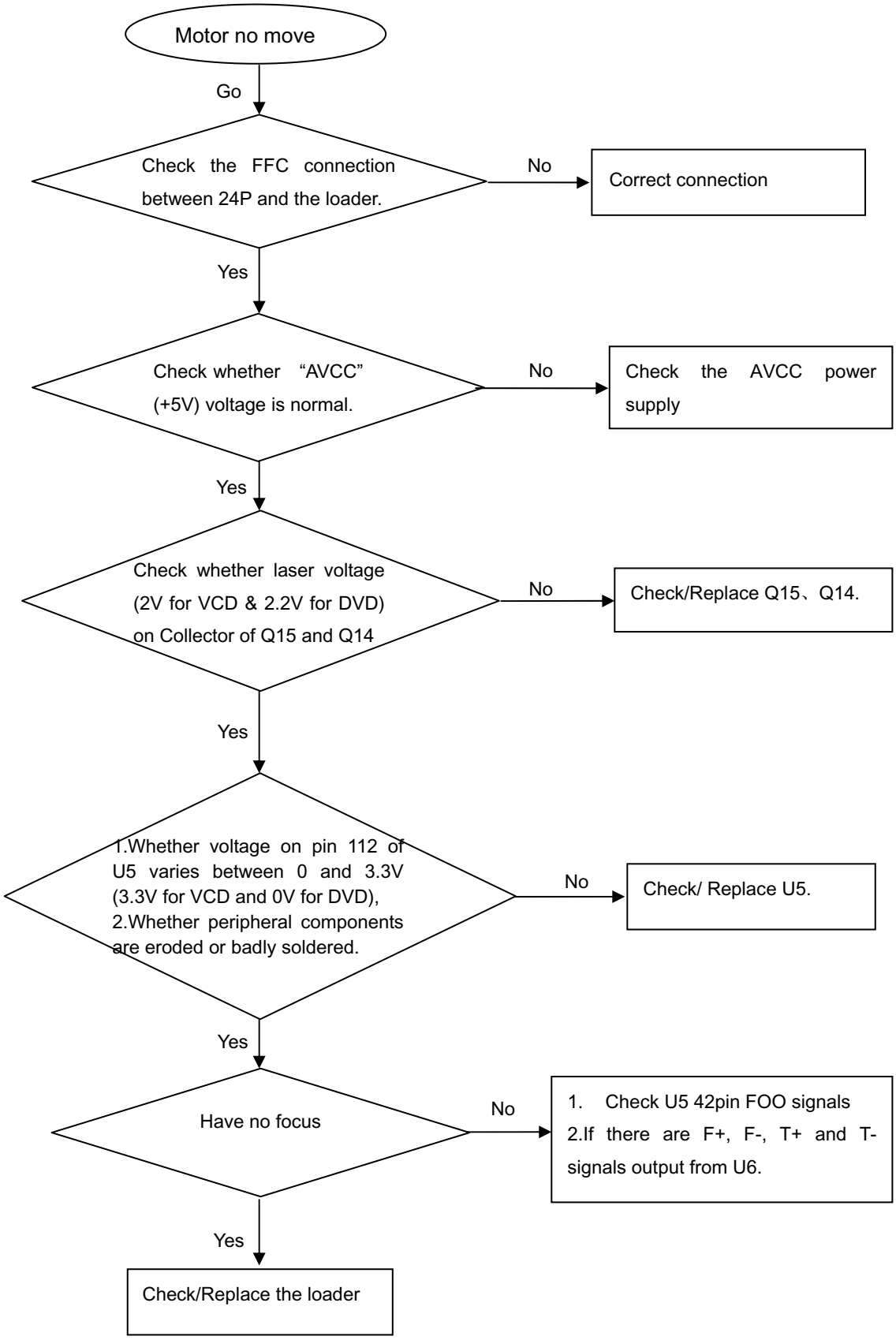
B. Read out the software versions to confirm upgrading

1) Power on the set and press <Setup> button on the remote control.
2) Press<1><3><7><9>button to check the software information.
   The software version and other information are display on the TV screen as follows:

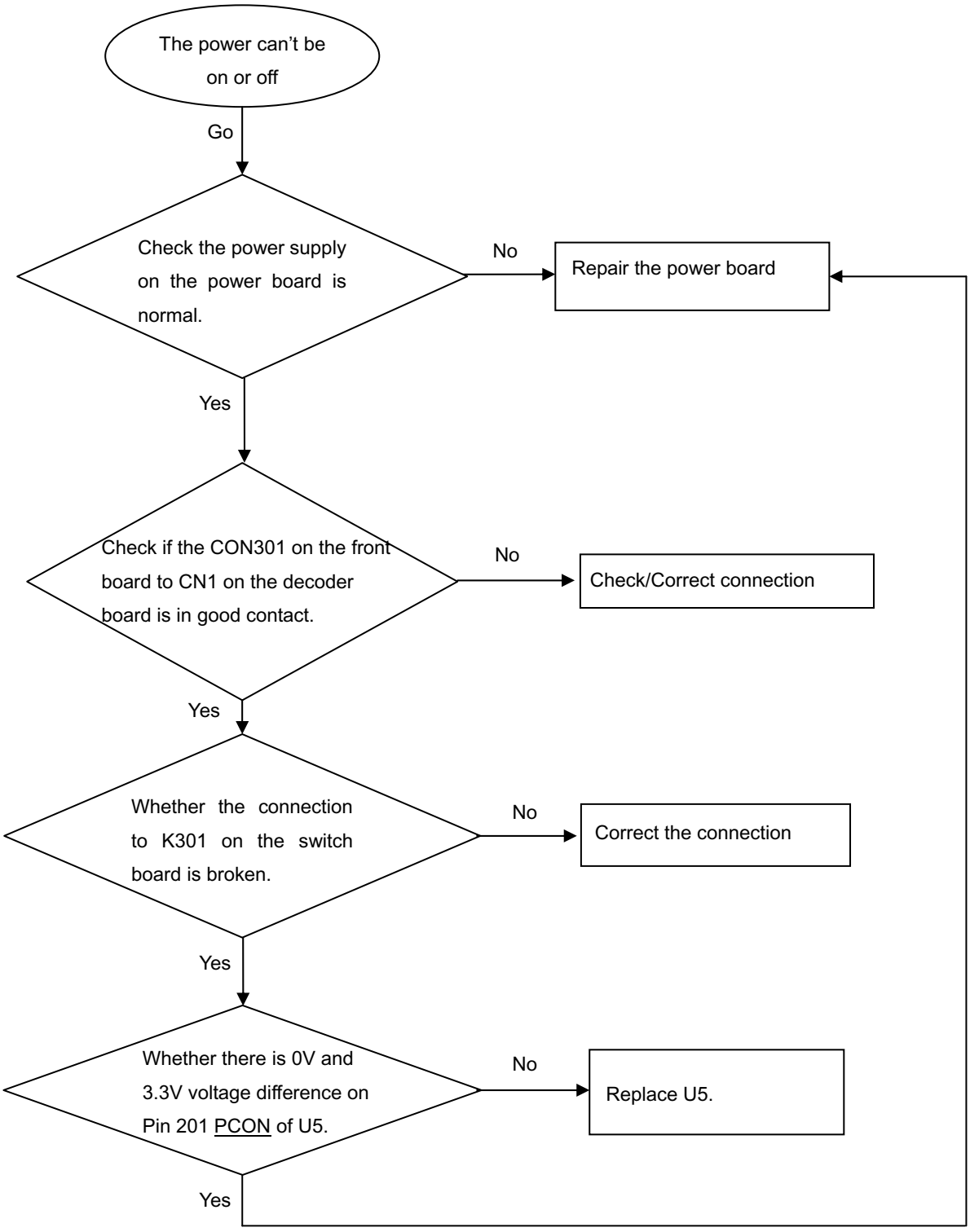
Version	XX.XX.XX.XX (Main version)
SUB-VER	XX.XX.XX.XX (software version of application software)
8032	XX.XX.XX.XX
Servo	XX.XX.XX.XX (software version of Servo)
RISC	XX.XX.XX.XX
DSP	XX.XX.XX.XX
Region Code	X

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.

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

Yes

Check whether F1 is blown

Yes

Replace F1

No

Check whether there is 300V on C1.

No

Replace C1 if D1, D2, D3, D4 are normal.

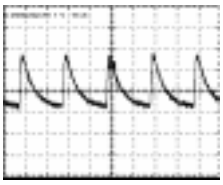
Yes

Check whether 100KHz oscillating signal on Pin6 of U1

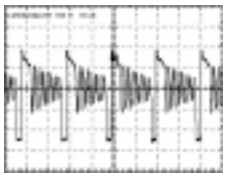
No

Check/ replace U1.

U1(PIN 3 - RC waveform)



U1(PIN 8 - Drain waveform)



Yes

Check if +5V, +12V, -12V and -24V are short.

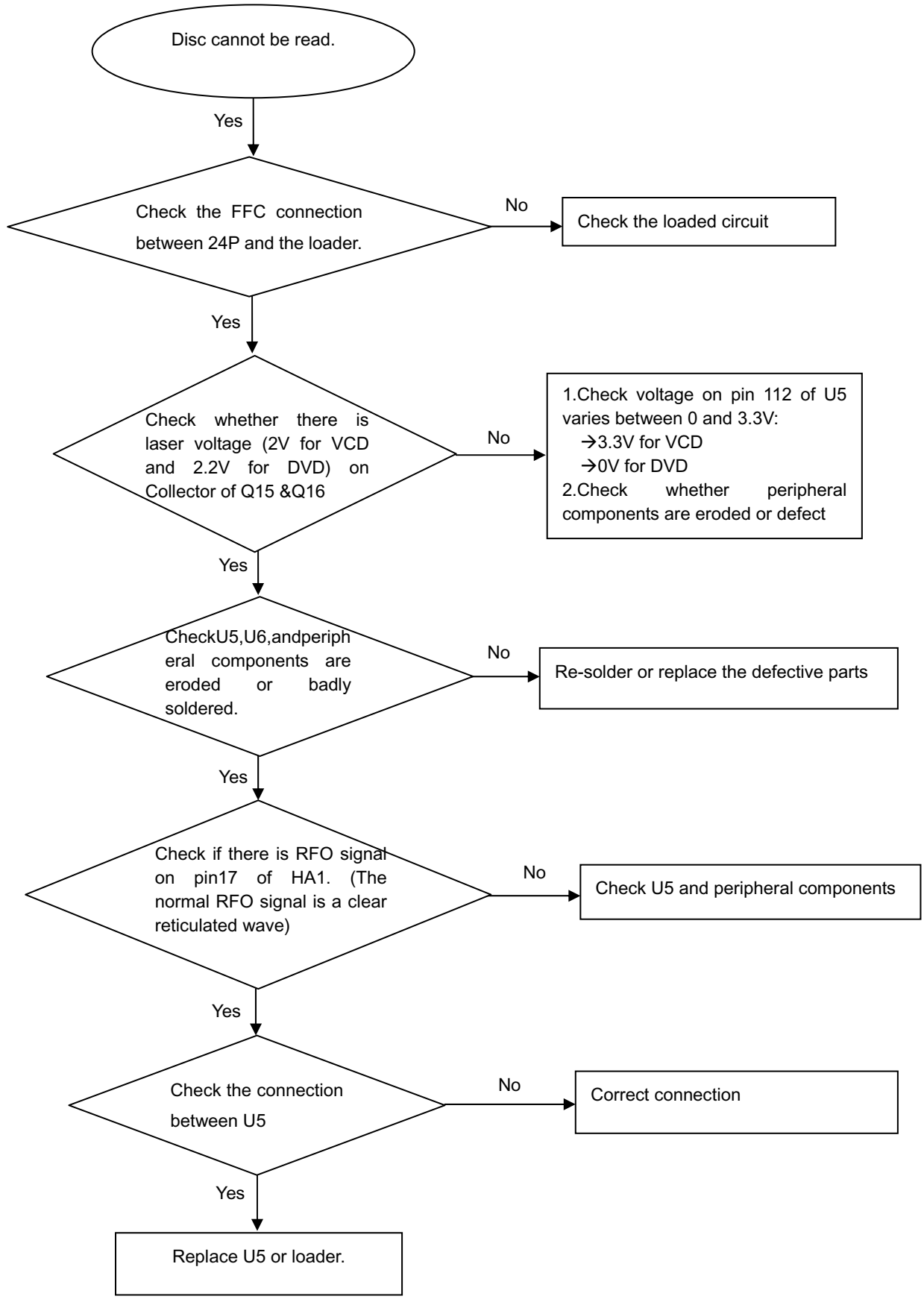
No

Check whether U2 are eroded.

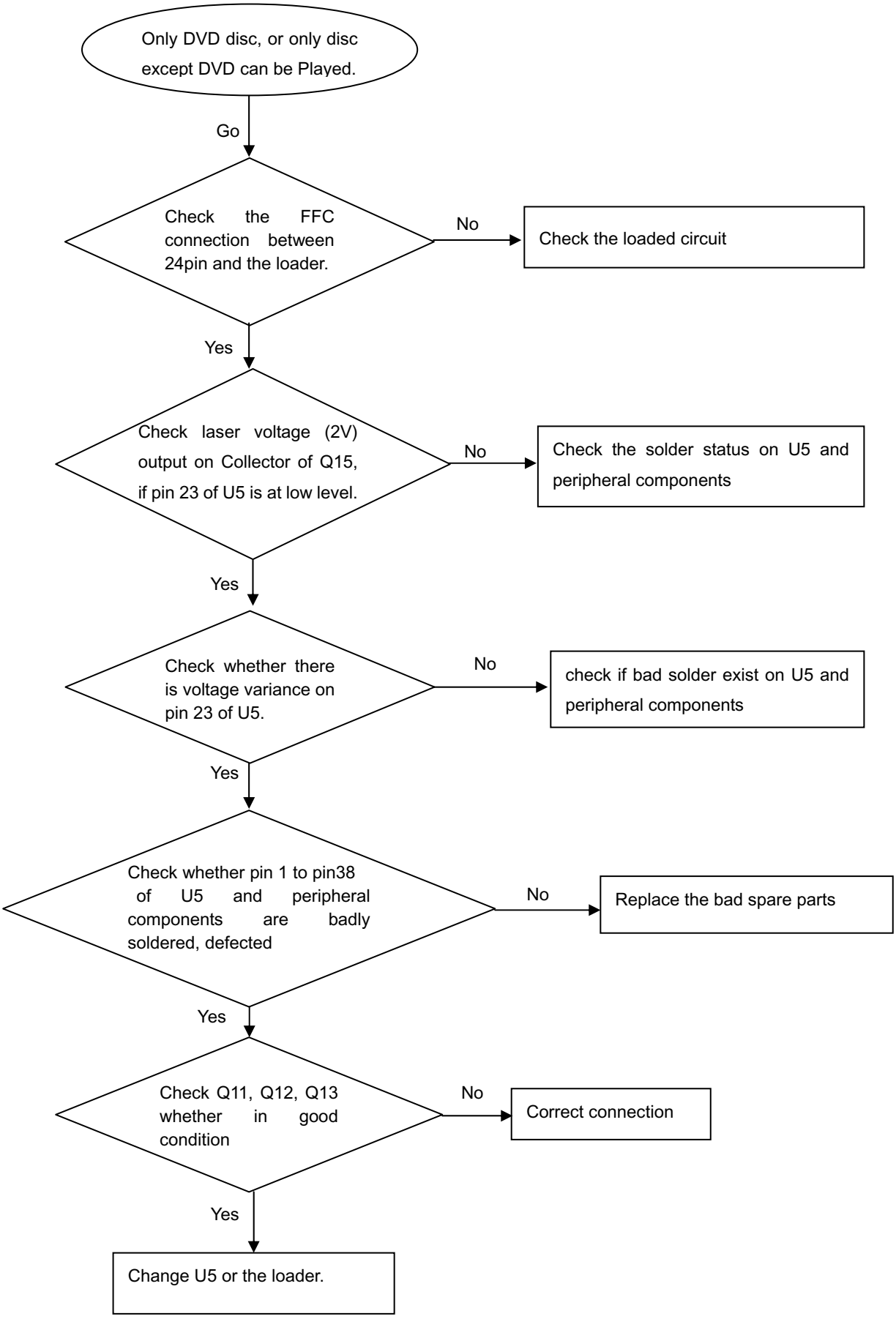
Yes

Check whether the components in the short-circuit voltage are defected or eroded.

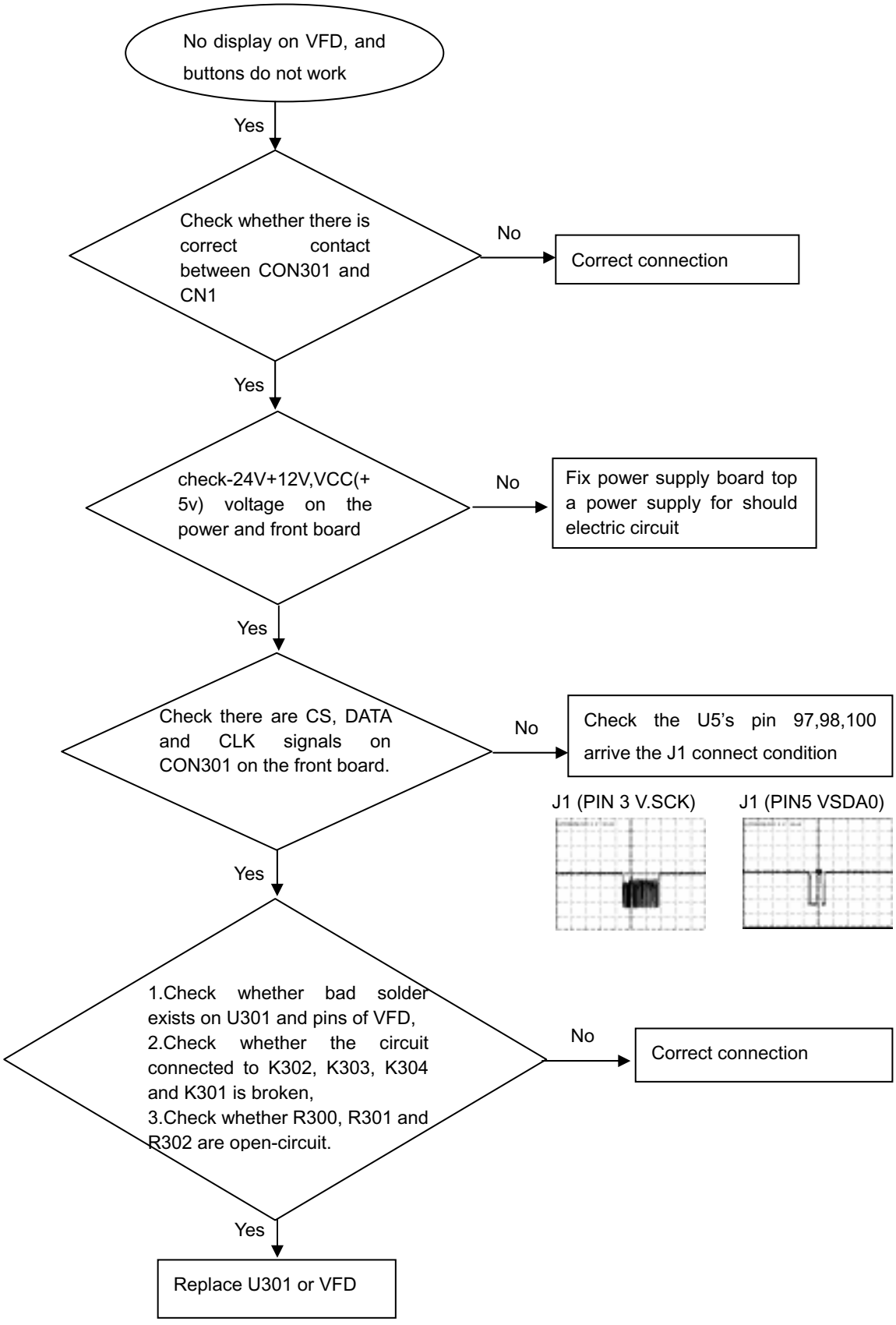
Disc cannot be read.



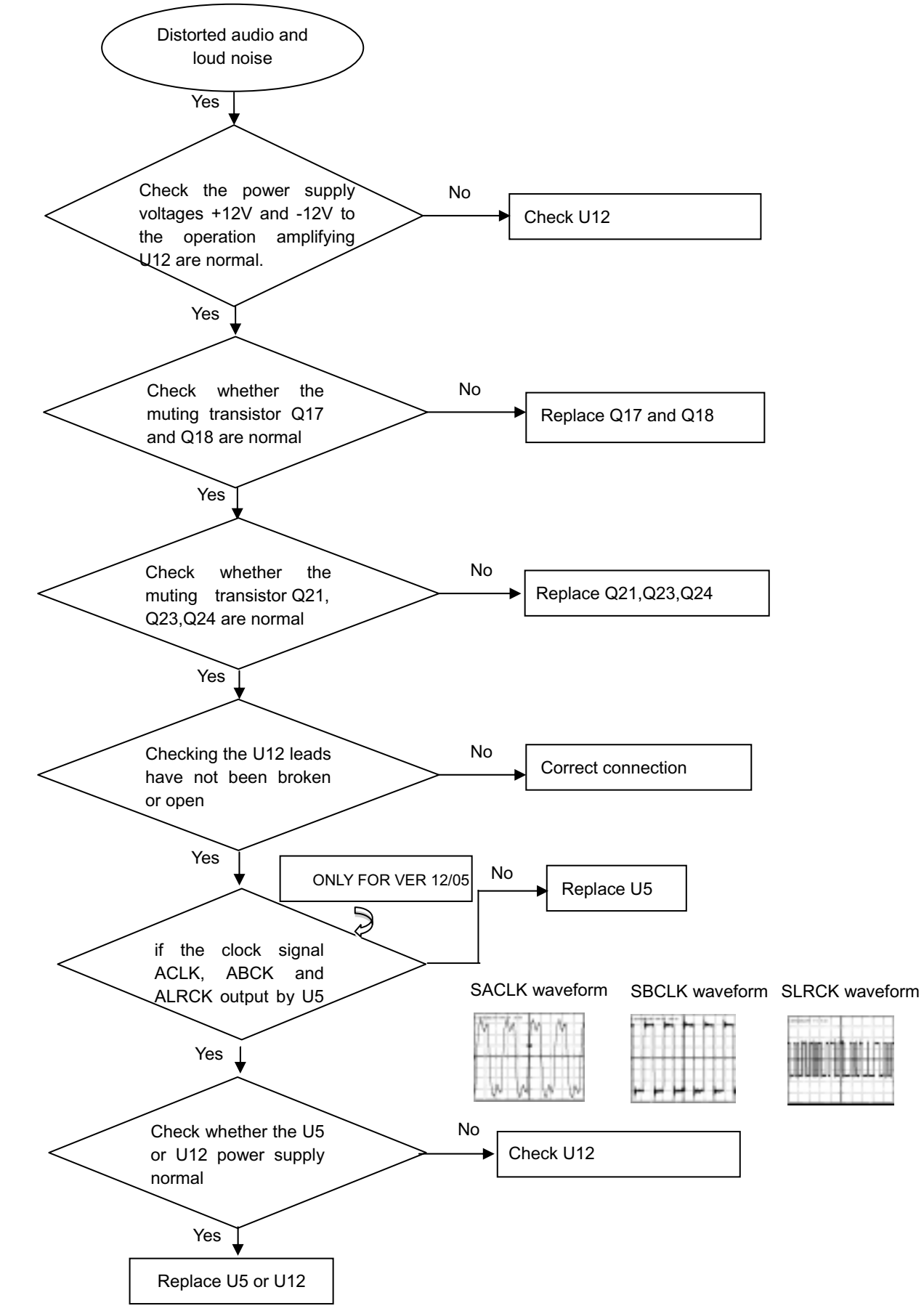
Only DVD disc or only disc except DVD can be played



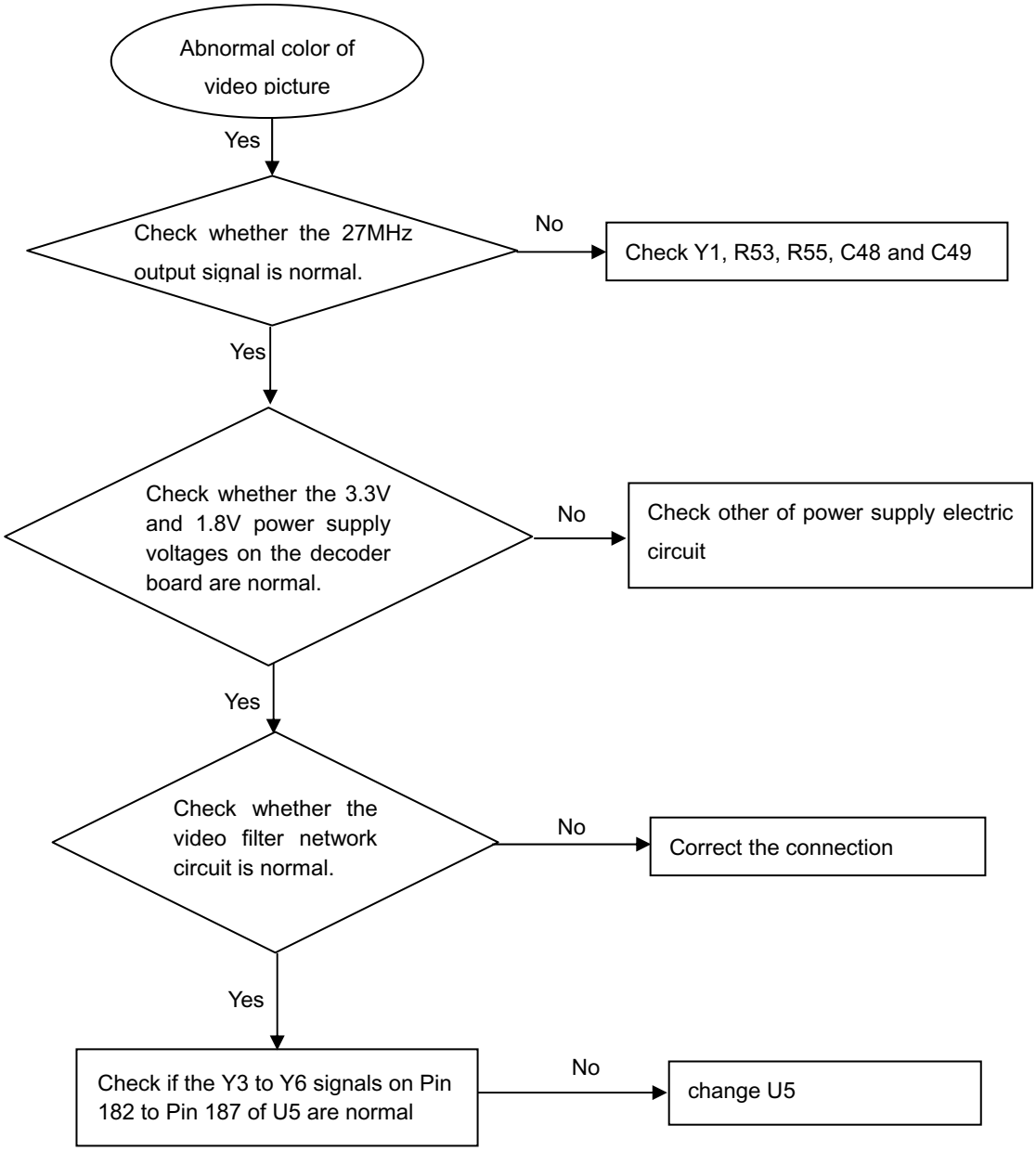
No display on VFD, and buttons do not work



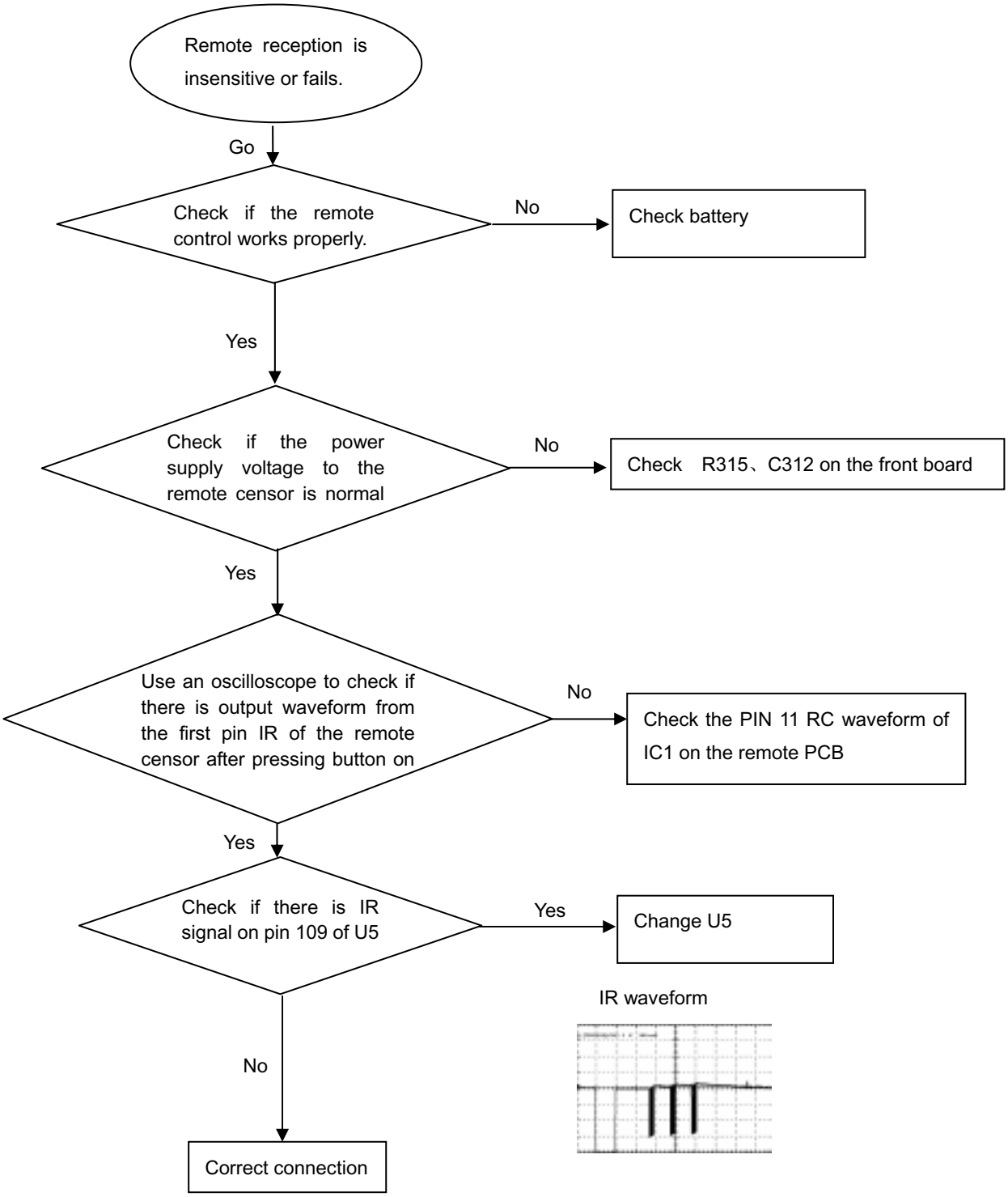
Distorted audio and loud noise



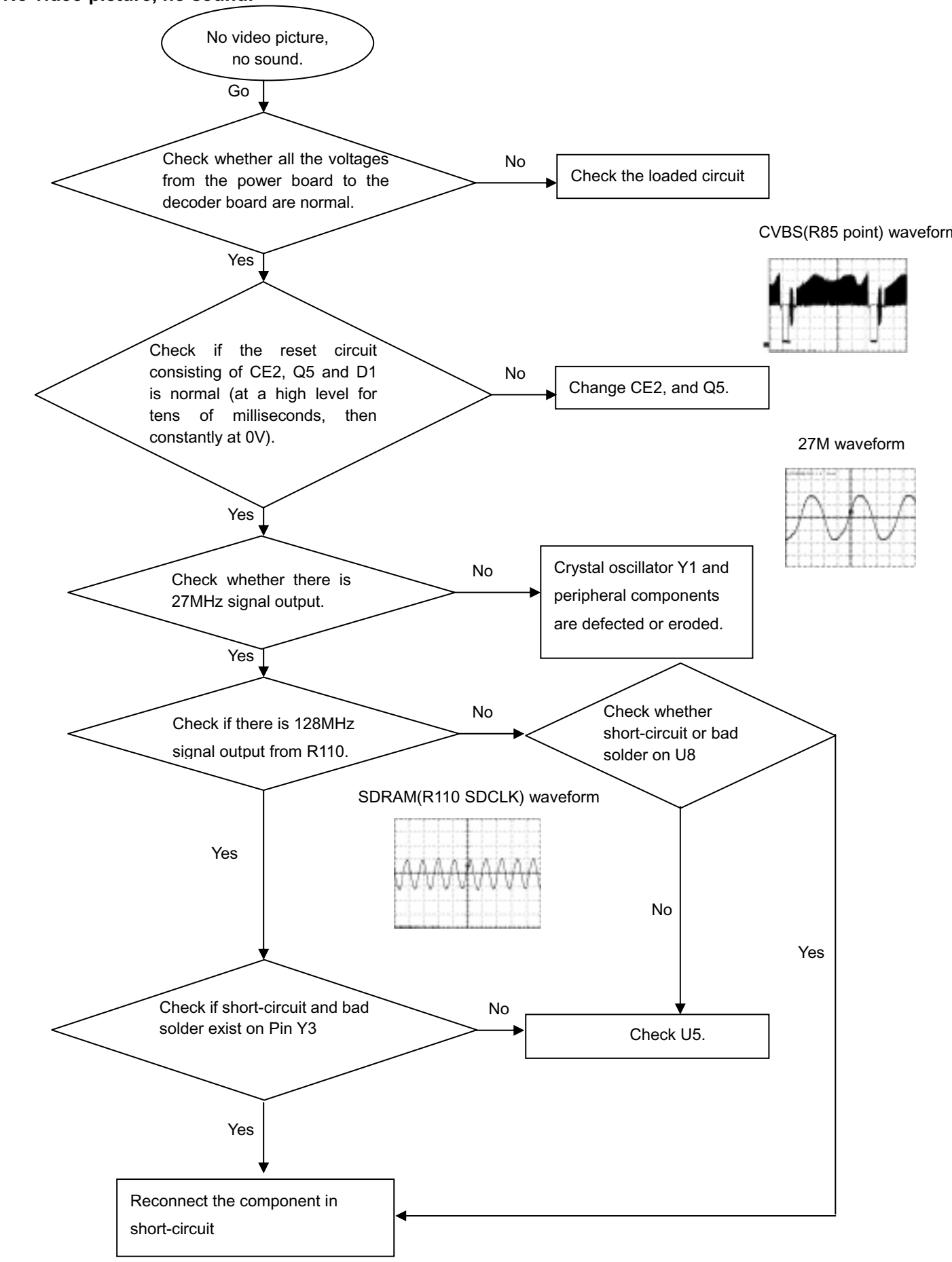
Abnormal color of video picture



Remote reception is insensitive or fails.

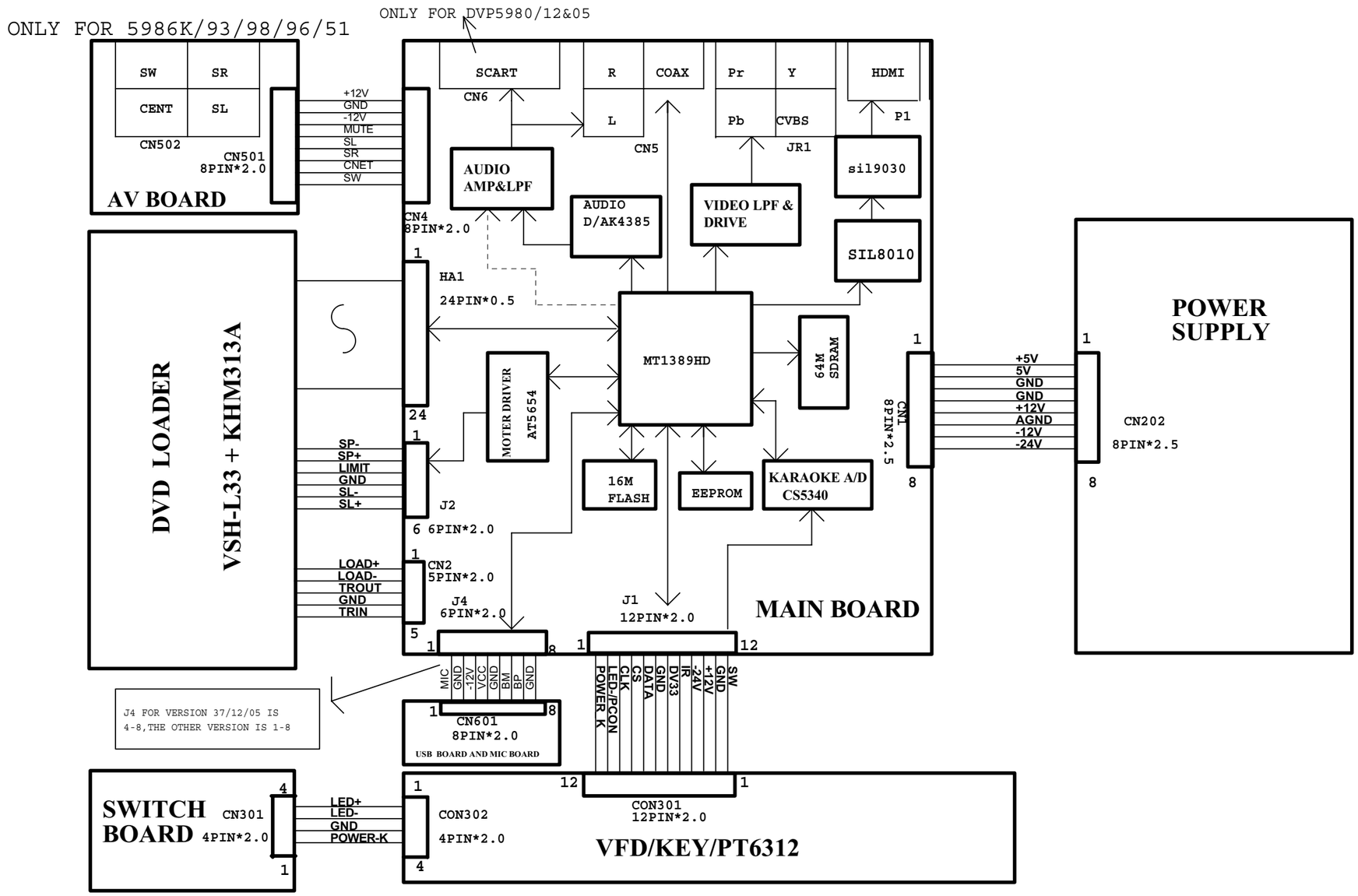


No video picture, no sound.



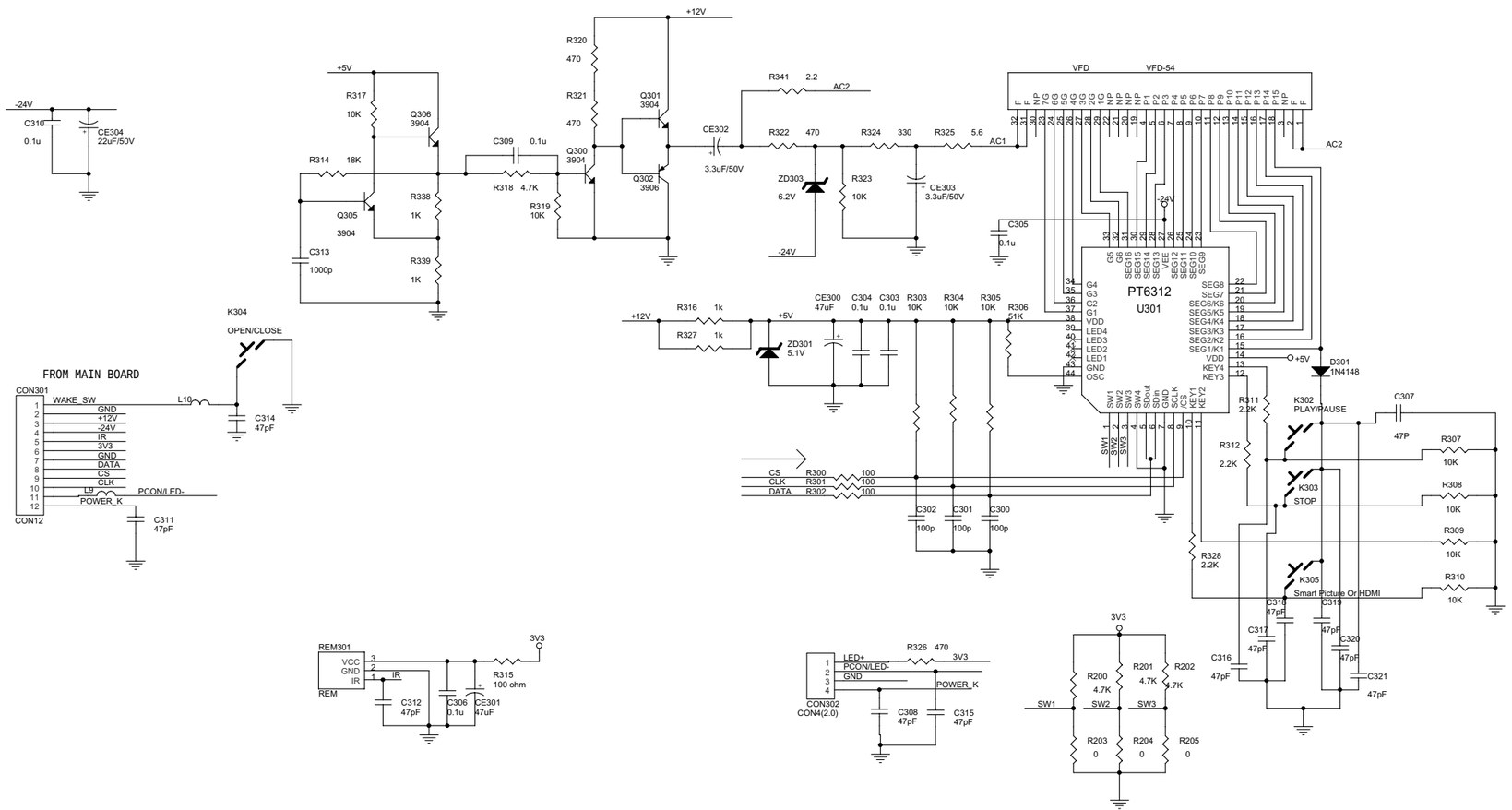
5-1

DVP598X/XX WIRING DIAGRAM



6-1

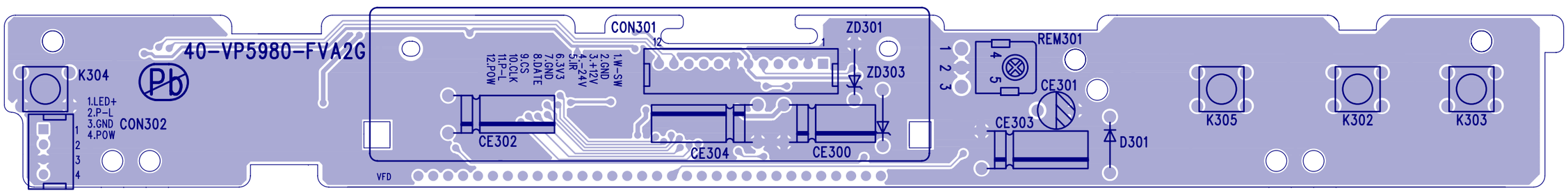
Front Board Electric Diagram for DVP5980(K)/XX, DVP5982/XX, DVP5986K/XX



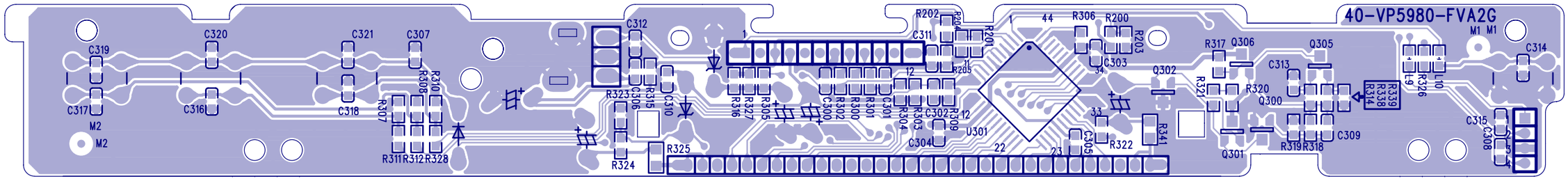
C309	4	D
C306	4	B
C303	3	C
C304	3	C
C305	3	C
C310	5	D
R203	3	B
R204	2	B
R205	2	B
R338	4	D
R339	4	C
D301	2	C
R327	3	C
R316	3	C
R311	2	C
R312	2	C
R328	2	C
R341	3	D
CE303	3	D
CE302	3	D
R200	3	B
R201	2	B
R202	2	B
R318	4	D
ZD301	3	C
R325	3	D
ZD303	3	D
R303	3	C
R304	3	C
R305	3	C
R307	1	C
R308	1	C
R309	1	C
R310	1	B
R317	4	D
R319	4	D
R323	3	D
R314	5	D
CE304	5	D
C307	2	C
C308	3	B
C311	5	C
C312	4	B
C314	5	C
C315	3	B
C316	2	B
C317	2	B
C318	2	B
C319	2	B
C320	2	B
C321	2	B
CE300	3	C
CE301	4	B
R306	3	C
R315	4	B
C300	3	C
C301	3	C
C302	3	C
R300	3	C
R301	3	C
R302	3	C
R324	3	D
L10	5	C
L9	5	C
R320	4	D
R321	4	D
R322	3	D
R326	3	B
C313	5	C
Q300	4	D
Q301	4	D
Q305	4	D
Q306	4	D
Q302	4	D
X1	2	A
CON302	3	B
CON301	5	C
K304	5	C
K302	2	C
U301	2	C
REM301	5	B
K303	2	C
K305	2	C
VFD	3	D

6-2

Front Board Print-Layout (Top Side) for DVP5980(K)/XX, DVP5982/XX, DVP5986K/XX

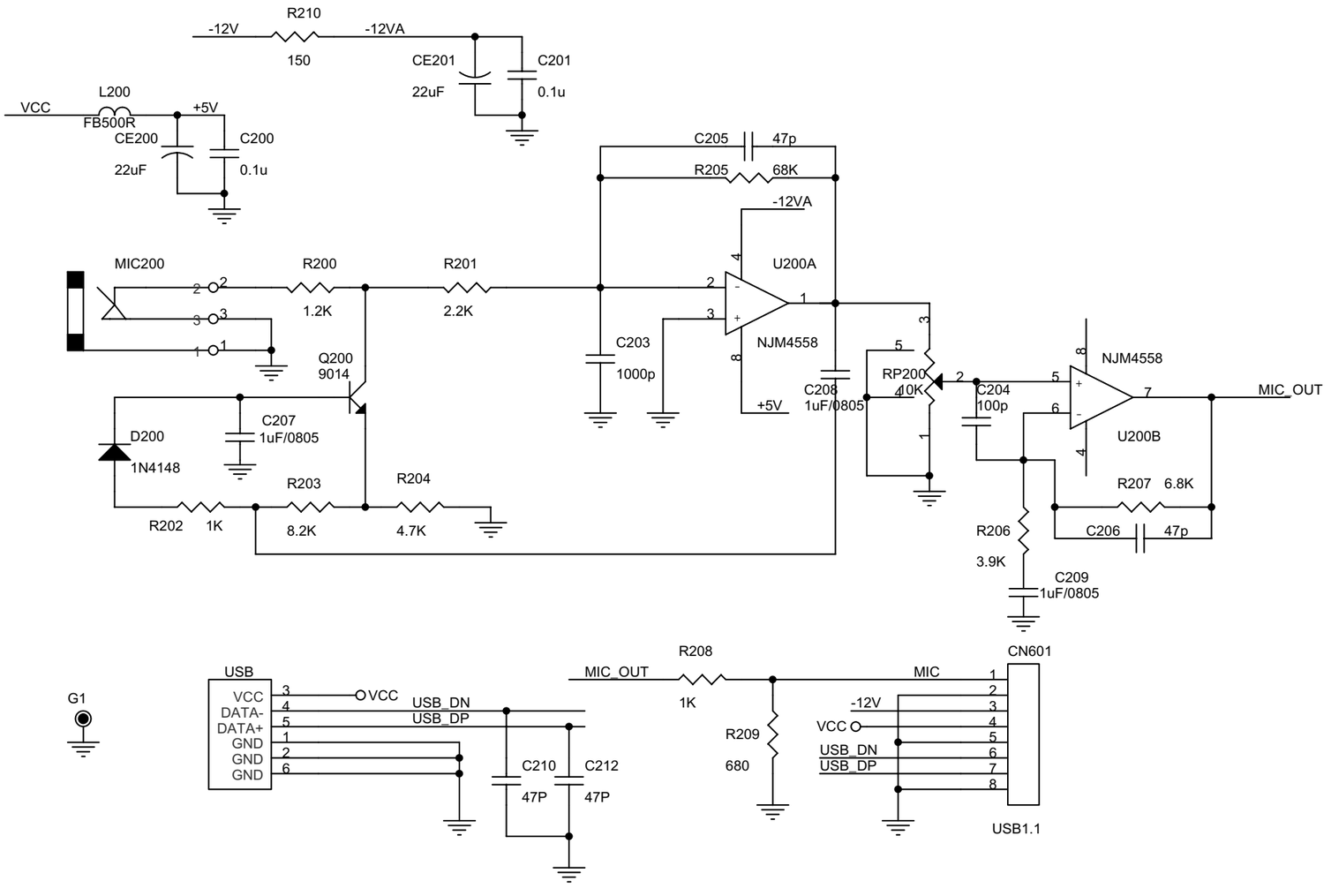


Front Board Print-Layout (Bottom Side) for DVP5980(K)/XX, DVP5982/XX, DVP5986K/XX



6-3

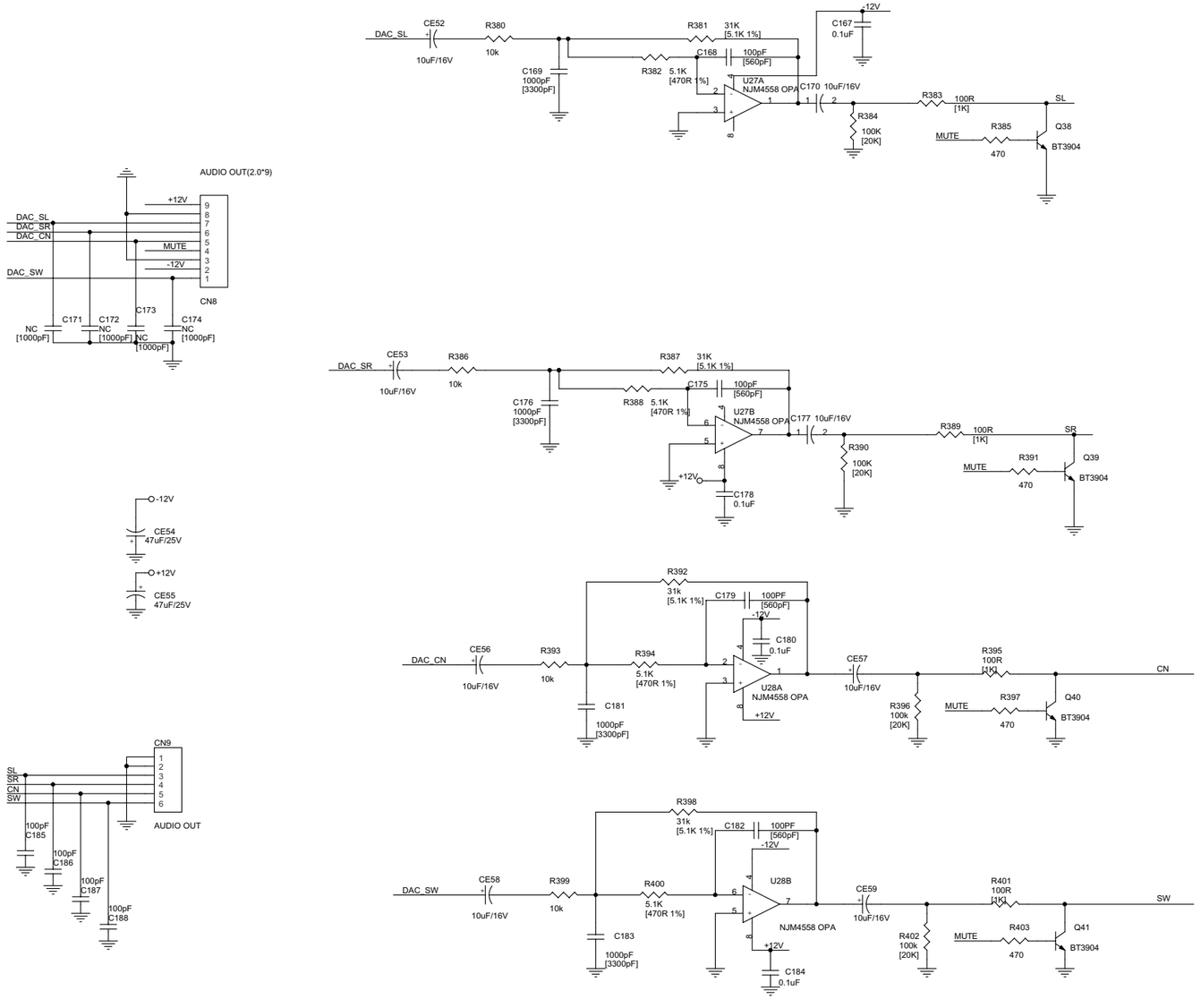
USB Board Electric Diagram for DVP5980(K)/XX, DVP5982/XX, DVP5986K/XX



C200	1	A
C201	2	A
R200	2	A
R208	3	C
R202	1	B
D200	1	B
C207	1	B
C208	3	B
C209	4	B
R201	2	A
R206	4	B
R204	2	B
R207	4	B
R203	2	B
RP200	3	B
CE201	2	A
CE200	1	A
C205	3	A
C206	4	B
C210	2	C
C212	2	C
R205	3	A
C204	3	B
R210	2	A
R209	3	C
C203	2	B
Q200	2	B
X1	5	0
X1	3	C
X13	1	A
L200	1	A
U200A	3	A
U200B	4	B
G1	1	C
CN601	4	C
USB	1	C
MIC200	1	A

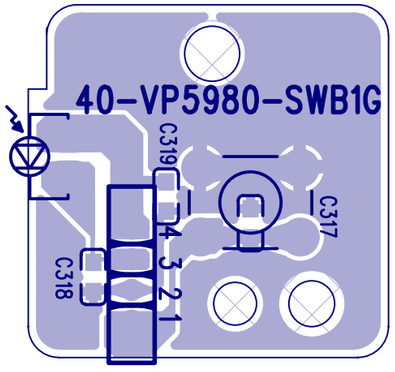
6-4

AV Board Electric Diagram for DVP5986K/XX



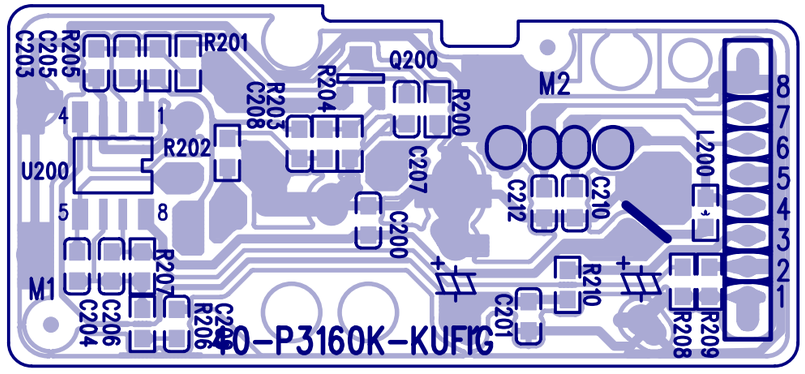
C167	D3
C168	D3
C169	D4
C170	D3
C171	C5
C172	C5
C173	C5
C174	C5
C175	C3
C176	C4
C178	C3
C179	C3
C180	C3
C181	B4
C182	B3
C183	D3
C184	B3
C185	B5
C186	B5
C187	B5
C188	B5
CE52	D4
CE53	C4
CE54	C5
CE55	C5
CE56	B4
CE57	B3
CE58	B4
CE59	B3
CN8	D5
CN9	B5
Q38	D2
Q39	C2
Q40	B2
Q41	B2
R380	D4
R381	D3
R382	D3
R383	D3
R384	D3
R385	D3
R386	C4
R387	C3
R388	C4
R389	C3
R390	C3
R391	C3
R392	C3
R393	B4
R394	B4
R395	B3
R396	B3
R397	B3
R398	B3
R399	B4
R400	B4
R401	B3
R402	B2
R403	B3
U27	C3
U27	D3
U28	C3
U28	D3
R396	B3

Switch Board Print-Layout (Bottom Side) for DVP5980(K)/XX, DVP5982/XX, DVP5986K/XX

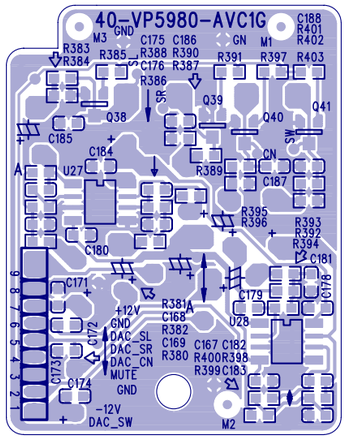


6-5

USB Board Print-Layout (Bottom Side) for DVP5980(K)/XX, DVP5982/XX, DVP5986K/XX

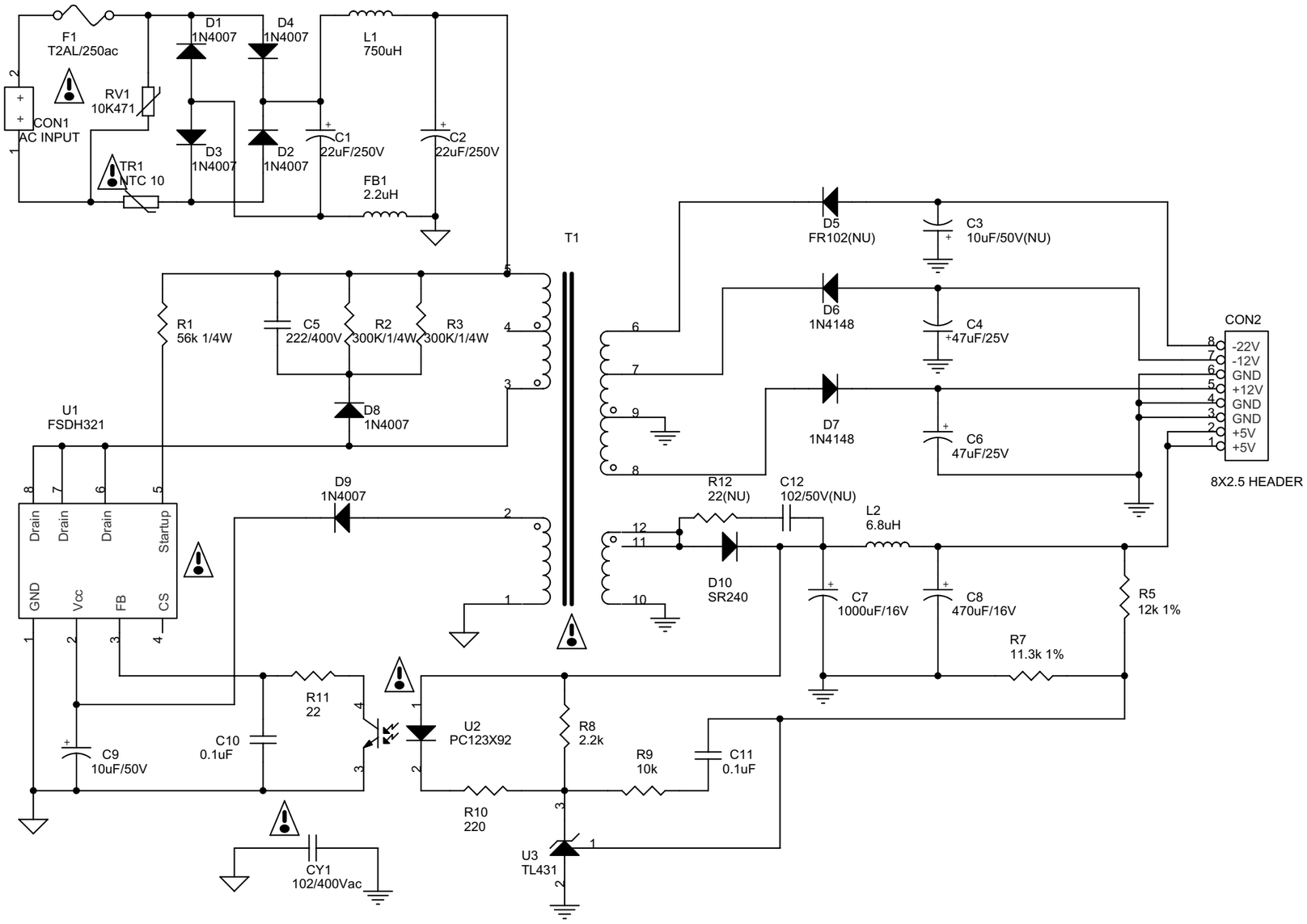


AV Board Print-Layout (Bottom Side) for DVP5986K/XX



6-6

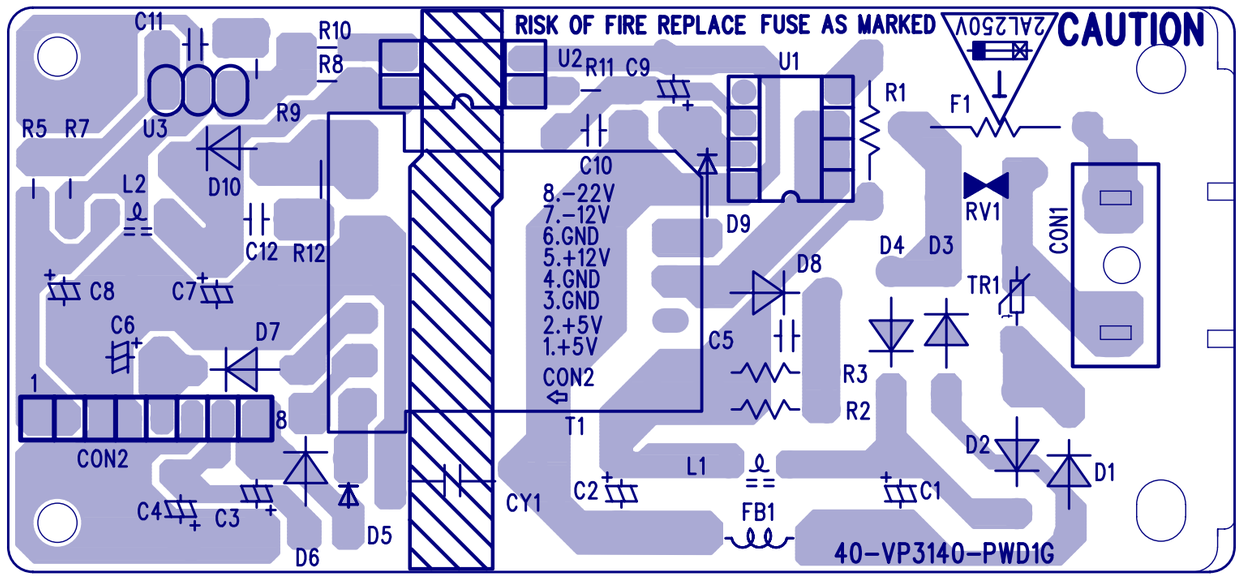
Power Board Electric Diagram for DVP5980(K)/XX, DVP5982/XX, DVP5986K/XX



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

6-7

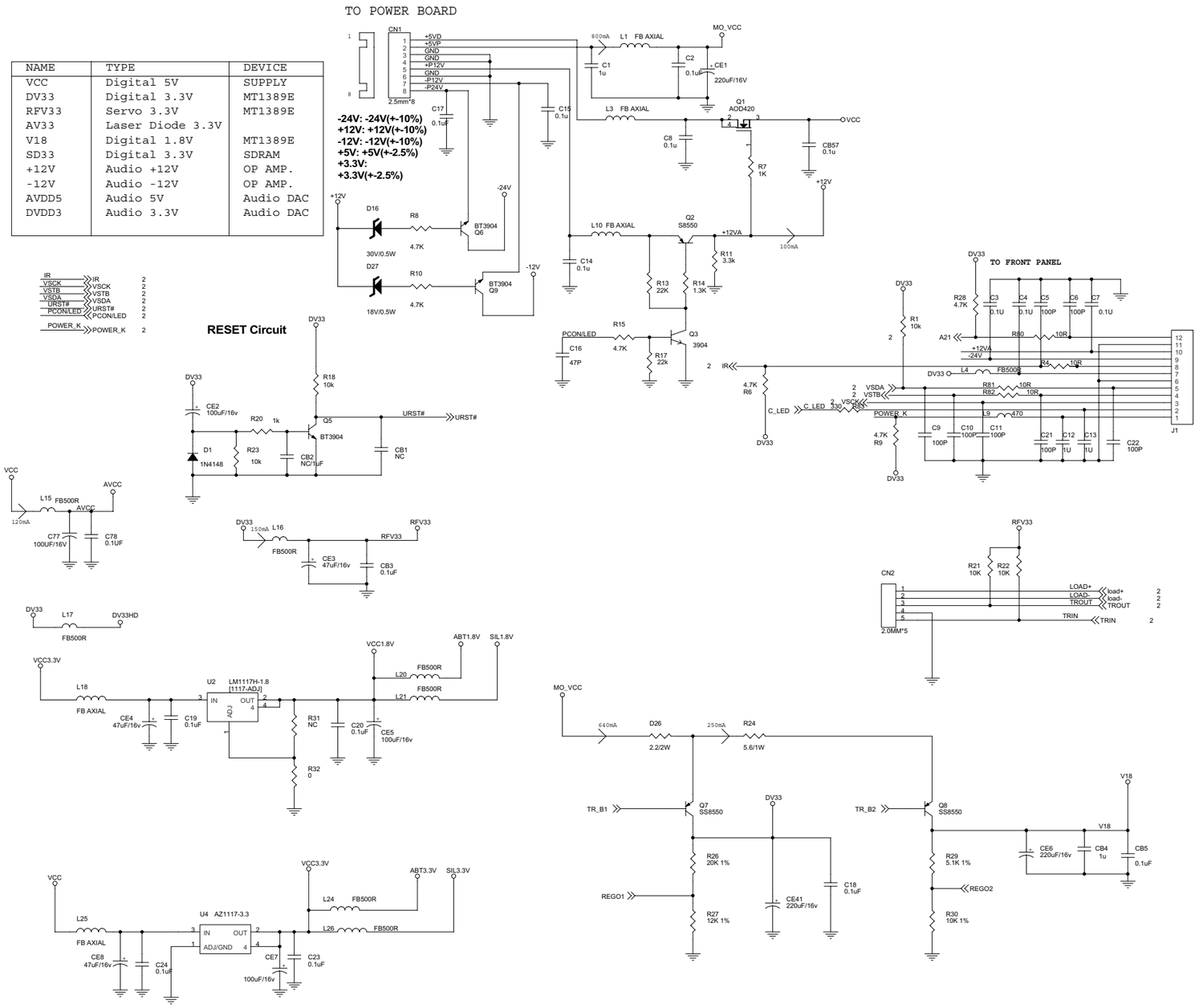
Power Board Print-Layout (Bottom Side) for DVP5980(K)/XX, DVP5982/XX, DVP5986K/XX



6-8

Main Board Electric Diagram for DVP5980(K)/XX, DVP5982/XX, DVP5986K/XX:POWER&CONNECTOR

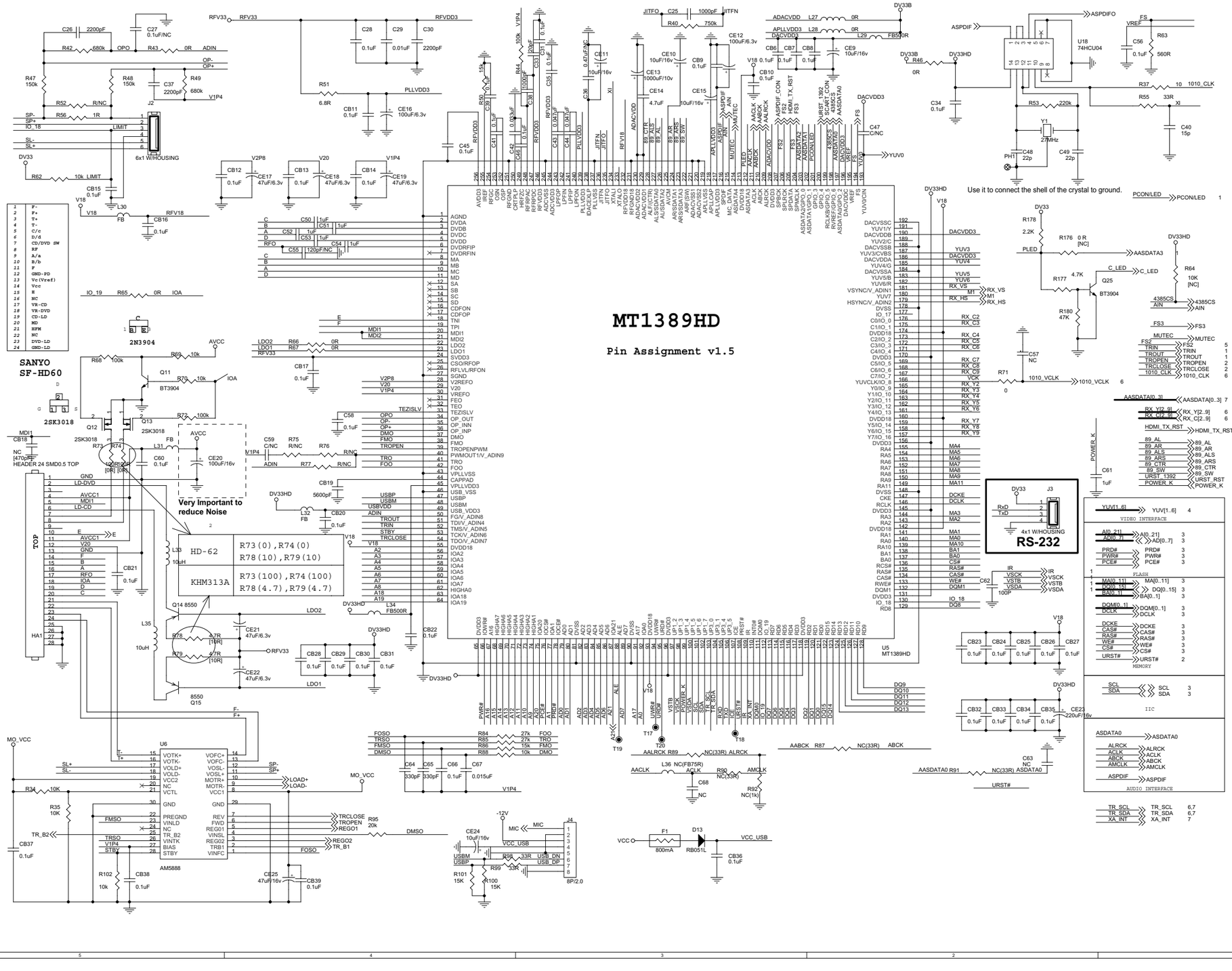
NAME	TYPE	DEVICE
VCC	Digital 5V	SUPPLY
DV33	Digital 3.3V	MT1389E
RFV33	Servo 3.3V	MT1389E
AV33	Laser Diode 3.3V	
V18	Digital 1.8V	MT1389E
SD33	Digital 3.3V	SDRAM
+12V	Audio +12V	OP AMP.
-12V	Audio -12V	OP AMP.
AVDD5	Audio 5V	Audio DAC
DVDD3	Audio 3.3V	Audio DAC



C78	5	C
C24	5	A
C3	2	C
C4	2	C
C7	2	C
C2	3	D
C18	3	A
C19	5	B
C20	4	B
C23	5	A
CB3	4	B
CB5	2	B
C17	4	D
CB57	3	D
C8	3	D
C14	4	C
C15	4	D
R32	5	B
R14	3	C
R7	3	D
D1	5	C
C12	2	C
C13	2	C
R20	5	C
C1	4	D
CB4	2	B
CN2	3	B
D26	3	B
CN1	4	D
R11	3	C
R6	3	C
R8	4	D
R9	3	C
R10	4	C
R28	2	C
R15	3	C
R29	3	B
R24	3	B
R30	3	A
R22	2	D
R21	2	D
R4	2	C
R80	2	C
R81	2	C
R82	2	C
R1	3	C
R18	4	C
R23	5	C
R27	3	A
D27	4	C
R26	3	B
R13	3	C
R17	3	C
D16	4	D
C16	4	C
CE4	5	B
CE8	4	D
CE8	5	A
C21	2	C
C22	2	C
C5	2	C
C6	2	C
C9	3	C
C10	2	C
C11	2	C
C77	5	C
CE2	5	C
CE5	4	B
CE7	5	A
CE6	2	B
CE41	3	A
CE1	3	D
R83	3	C
L9	2	C
Q3	3	C
X1	2	A
Q1	3	D
U4	5	A
Q5	4	C
Q6	4	D
Q9	4	C
J1	2	C
L4	2	C
L15	5	C
L16	5	C
L17	5	B
L20	4	B
L21	4	B
L24	4	A
L26	4	A
L1	3	D
L3	4	D
L10	4	D
L18	5	B
L25	5	A
U2	5	B
CB2	5	C
CB1	4	C
R31	5	B
Q2	3	D
Q7	3	B
Q8	3	B

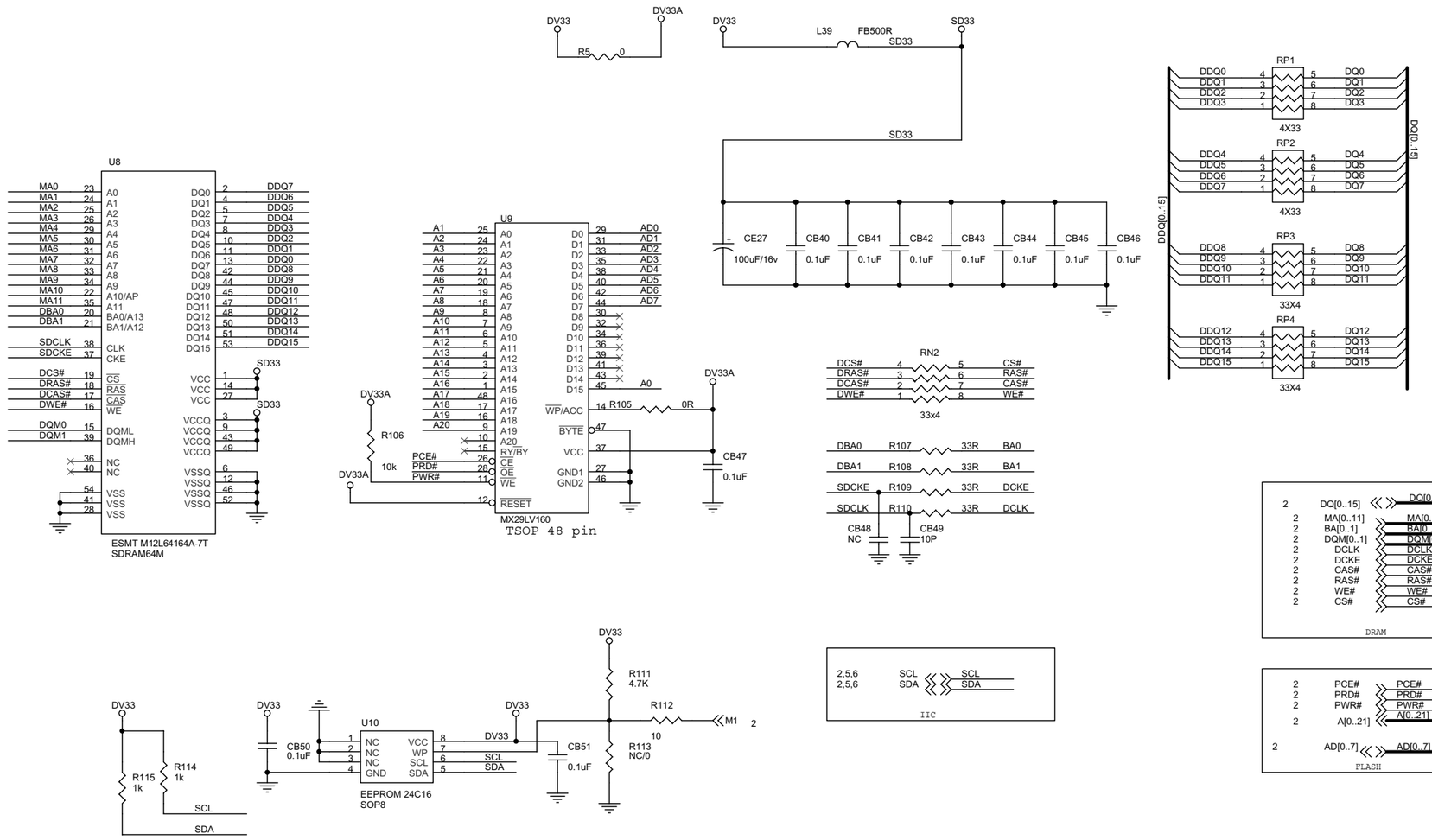
6-9

Main Board Electric Diagram for DVP5980(K)/XX, DVP5982/XX, DVP5986K/XX:MT1389HD&Frontend



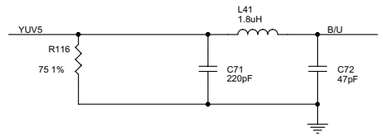
6-10

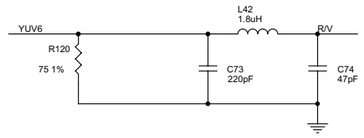
Main Board Electric Diagram for DVP5980(K)/XX, DVP5982/XX, DVP5986K/XX:SDRAM & FLASH

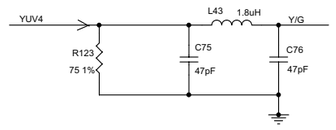


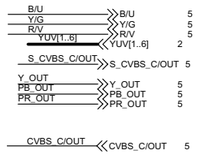
6-11

Main Board Electric Diagram for DVP5980(K)/XX, DVP5982/XX, DVP5986K/XX:VIDEO OUT

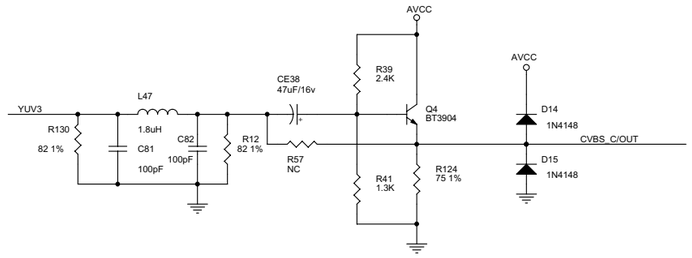


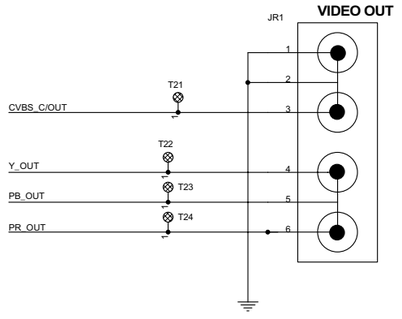






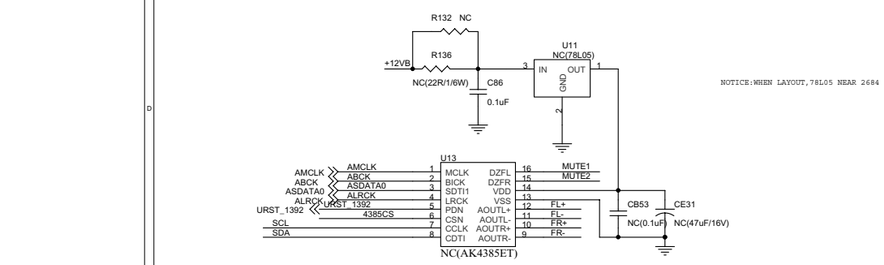

```
R41    3  B
L41    3  D
L42    3  D
L43    3  C
L47    4  B
D14    3  B
D15    3  B
R39    3  B
C72    3  D
C74    3  D
C75    3  C
C76    3  C
CE38   4  B
R124   3  B
R116   4  D
R120   4  D
R123   4  C
R12    4  B
R130   4  B
C82    4  B
C81    4  B
C71    3  D
C73    3  D
X1     2  A
Q4     3  B
R57    4  B
JR1    3  B
T21    4  B
T22    4  A
T23    4  A
T24    4  A
```

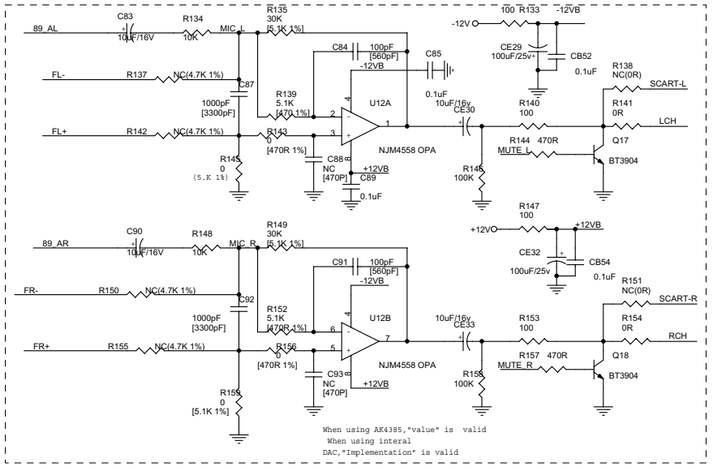


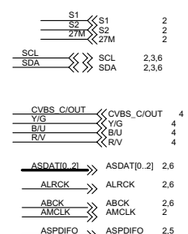


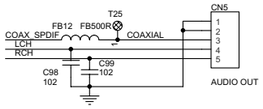
6-12

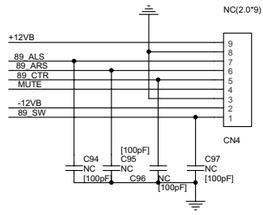
Main Board Electric Diagram for DVP5980(K)/XX, DVP5982/XX, DVP5986K/XX:AUDIO OUT&SCART

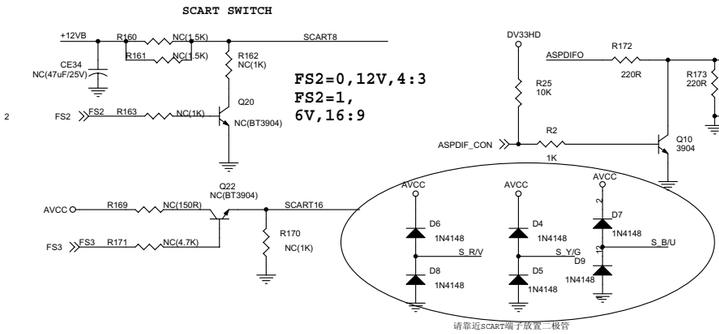


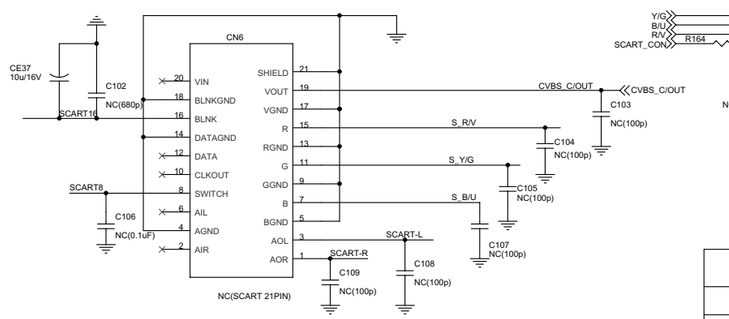


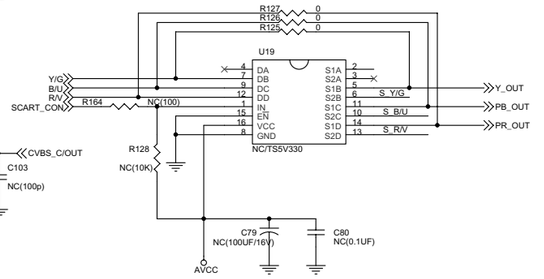




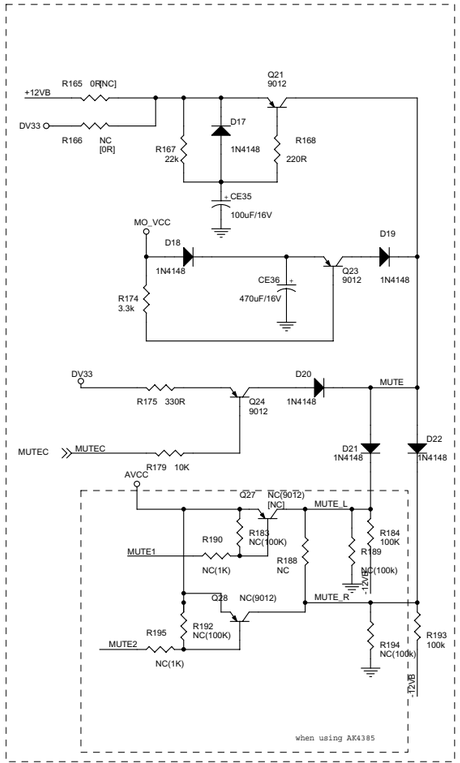








SCART_CON	SCART OUT
1	ON
0	OFF



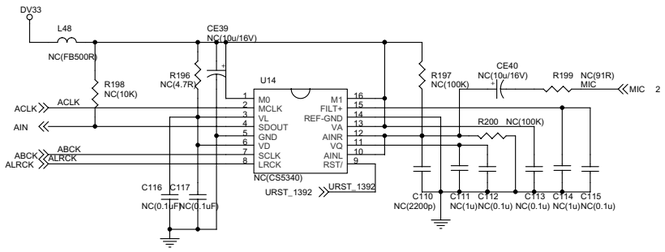
mute circuit

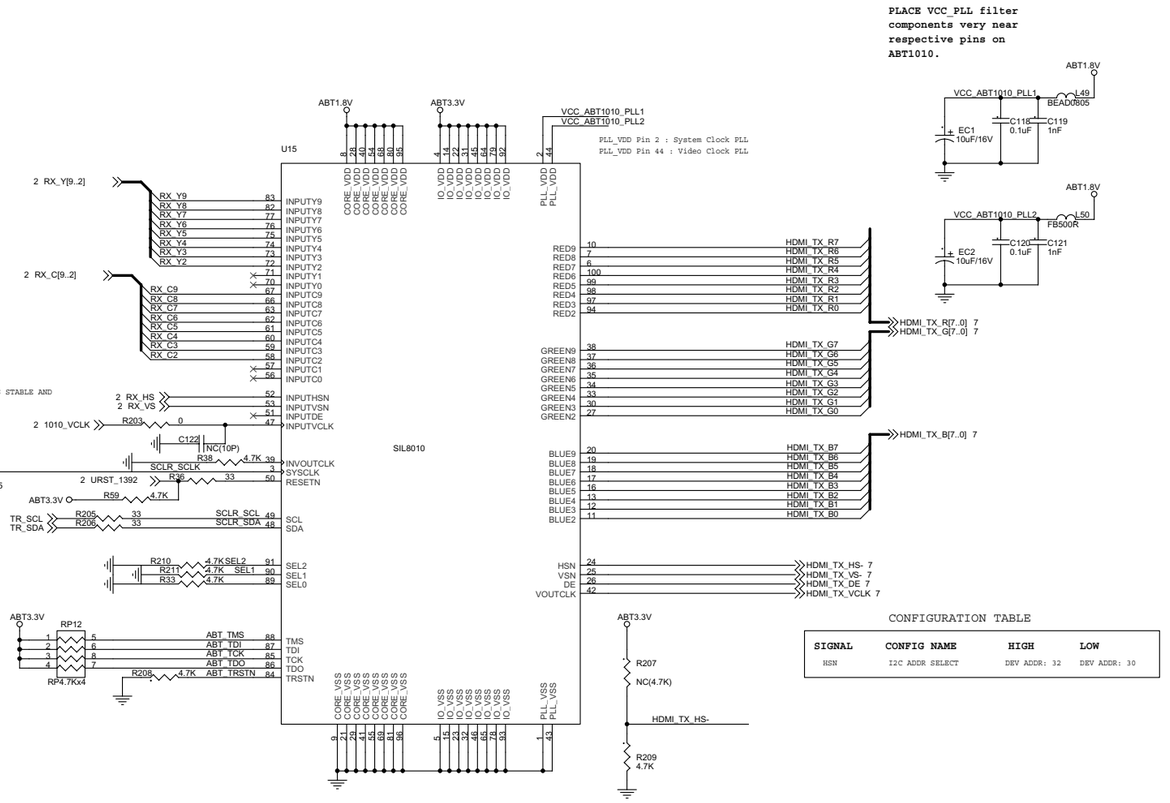
FS3	FS1	FS2	SCART8	SCART16
1	0	0	12V (9.5V - 12V 4:3)	3V (RGB)
1	0	1	6V (5V - 8V 16:9)	3V (RGB)
0				0V (CVBS)
	1		0V (TV MODE)	

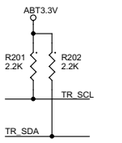
When have no SCART, this inside of circle a piece is"OPEN"

6-13

Main Board Electric Diagram for DVP5980(K)/XX, DVP5982/XX, DVP5986K/XX:HDMI OUT MT1392&KARAOKE







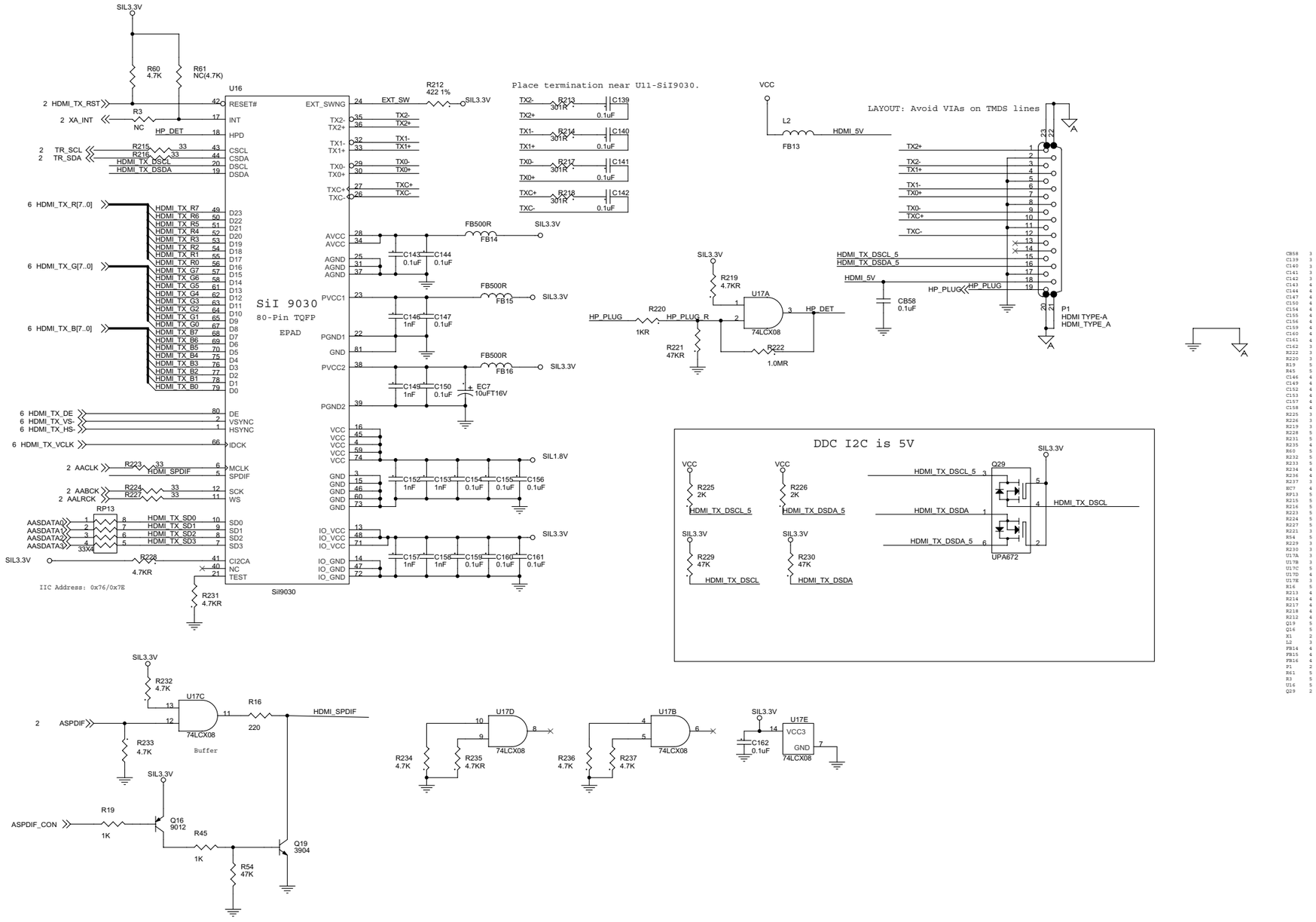
CONFIGURATION TABLE

SIGNAL	CONFIG NAME	HIGH	LOW
HSN	I2C ADDR SELECT	DEV ADDR: 32	DEV ADDR: 30

Place these bypass capacitors as close as possible to CORE_VDD and IO_VDD pads.

6-14

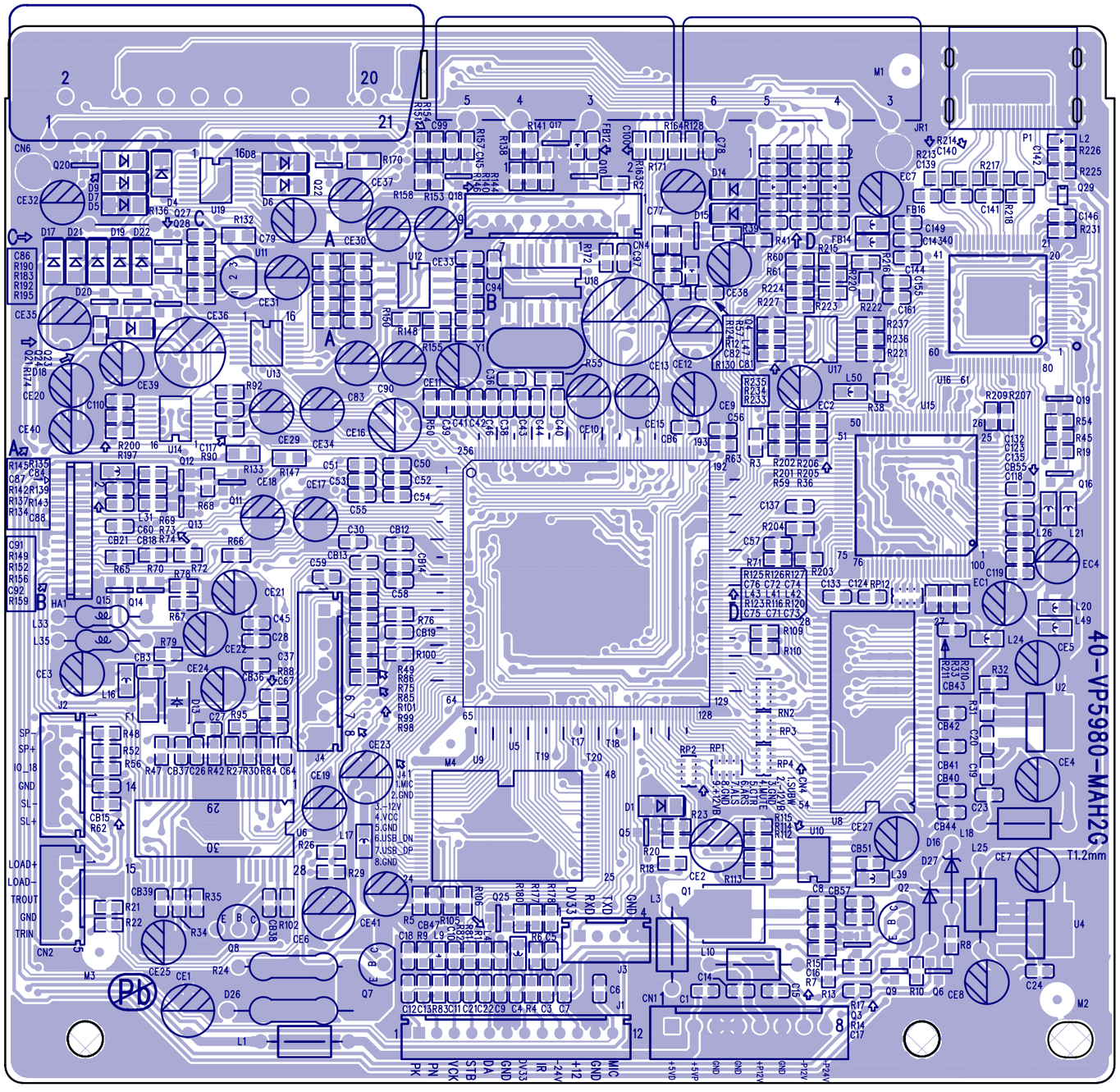
Main Board Electric Diagram for DVP5980(K)/XX, DVP5982/XX, DVP5986K/XX:: TRANSMITTER



CB58 3 C
C139 3 D
C140 3 C
C141 3 C
C142 3 C
C143 4 C
C144 4 C
C147 4 C
C150 4 C
C154 4 B
C155 4 B
C156 4 B
C159 4 B
C160 4 B
C161 4 B
C162 3 A
R222 3 C
R220 3 C
R19 5 A
R45 5 A
C146 4 C
C149 4 C
C152 4 B
C153 4 B
C157 4 B
C158 4 B
R225 3 B
R226 3 B
R219 3 C
R228 5 B
R231 5 B
R235 4 A
R60 5 D
R232 5 B
R233 5 A
R234 4 A
R236 4 A
R237 3 A
EC7 4 C
RP13 5 B
R215 5 C
R216 5 C
R223 5 B
R224 5 B
R227 5 B
R221 3 C
R54 5 A
R229 3 B
R230 3 B
U17A 3 C
U17B 3 A
U17C 5 B
U17D 4 A
U17E 3 A
R16 5 B
R213 4 D
R214 4 C
R217 4 C
R218 4 C
R212 4 D
Q19 5 A
Q16 5 A
X1 2 A
L2 3 C
FB14 4 C
FB15 4 C
FB16 4 C
P1 2 C
R61 5 D
R3 5 D
U16 5 D
Q29 2 B

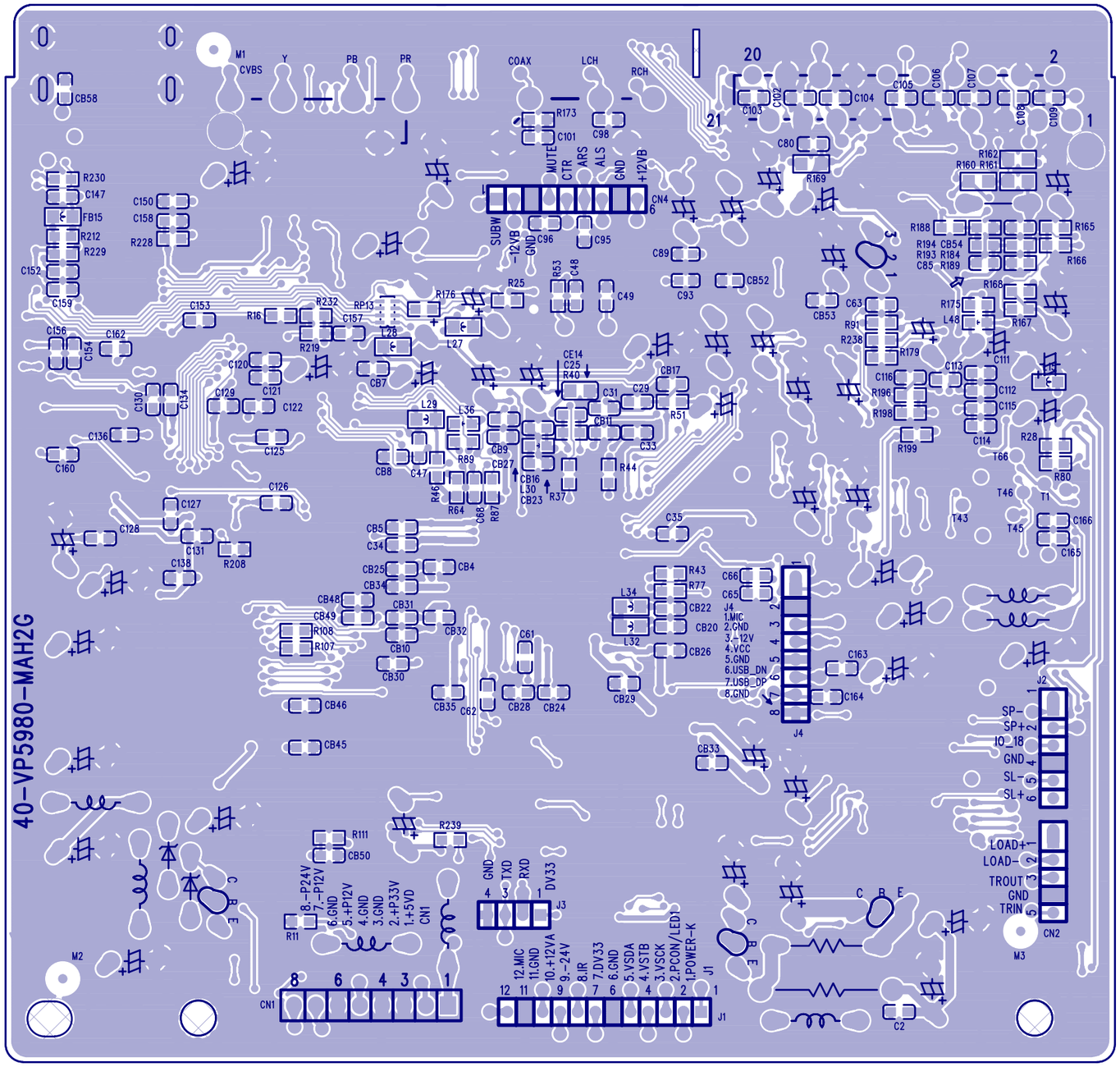
6-15

Main Board Print-Layout (Top Side) for DVP5980(K)/XX, DVP5982/XX, DVP5986K/XX

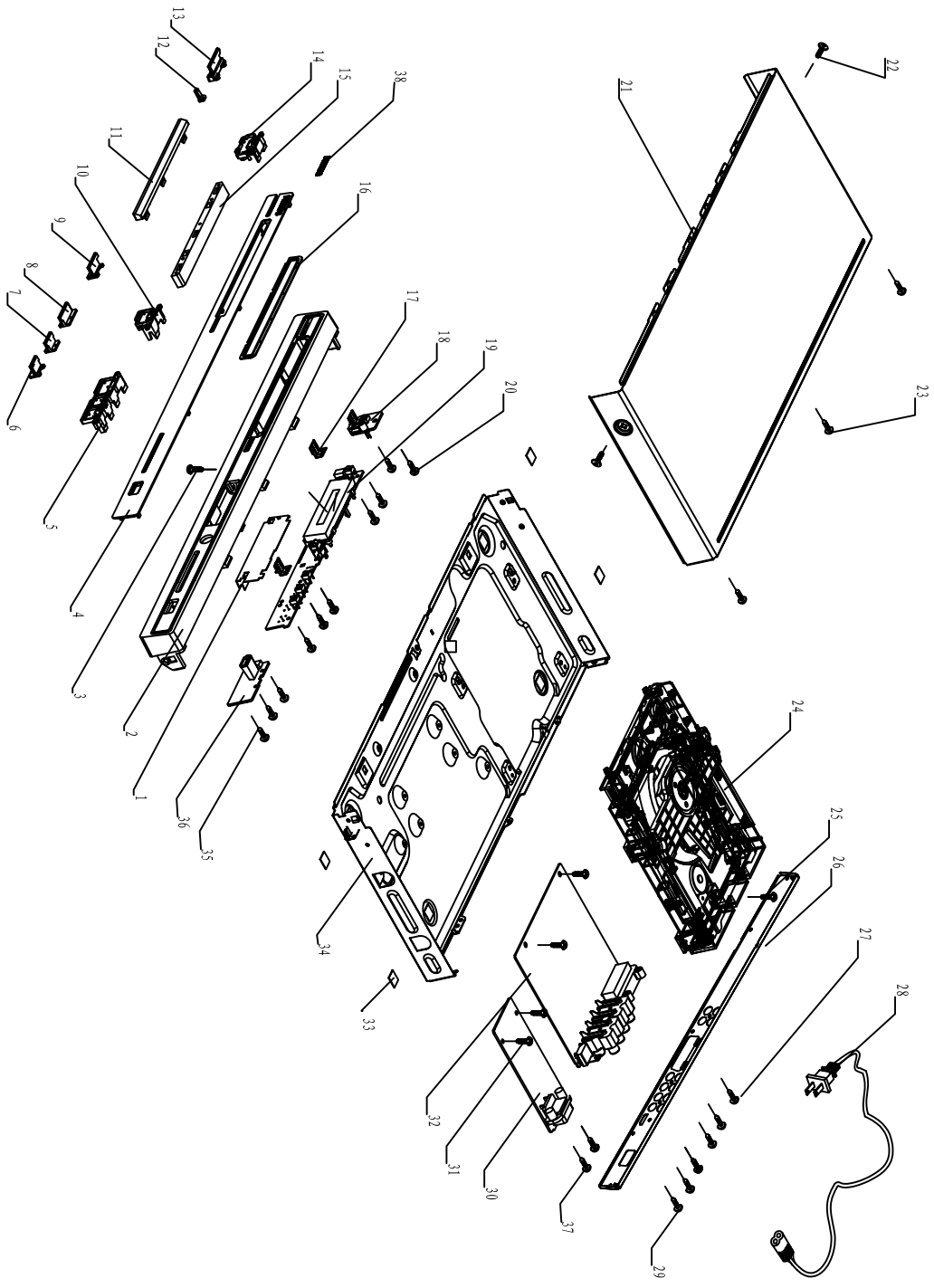


6-16

Main Board Print-Layout (Bottom Side) for DVP5980(K)/XX, DVP5982/XX, DVP5986K/XX



DVP5980/XX,DVP5982/XX Mechanical Exploded View



Remark:
Ass'y1 is the assemble component for location 2,4,5,6,7,8,9,10,12,13,14,16,38
Ass'y2 is the assemble compoient for location 11,15

It's a general Mechanical Exploded View for DVP5980/XX,DVP5982/XX, Detailed information please refer to Model set.

ENCASING & ACCESSORIES PARTS LIST

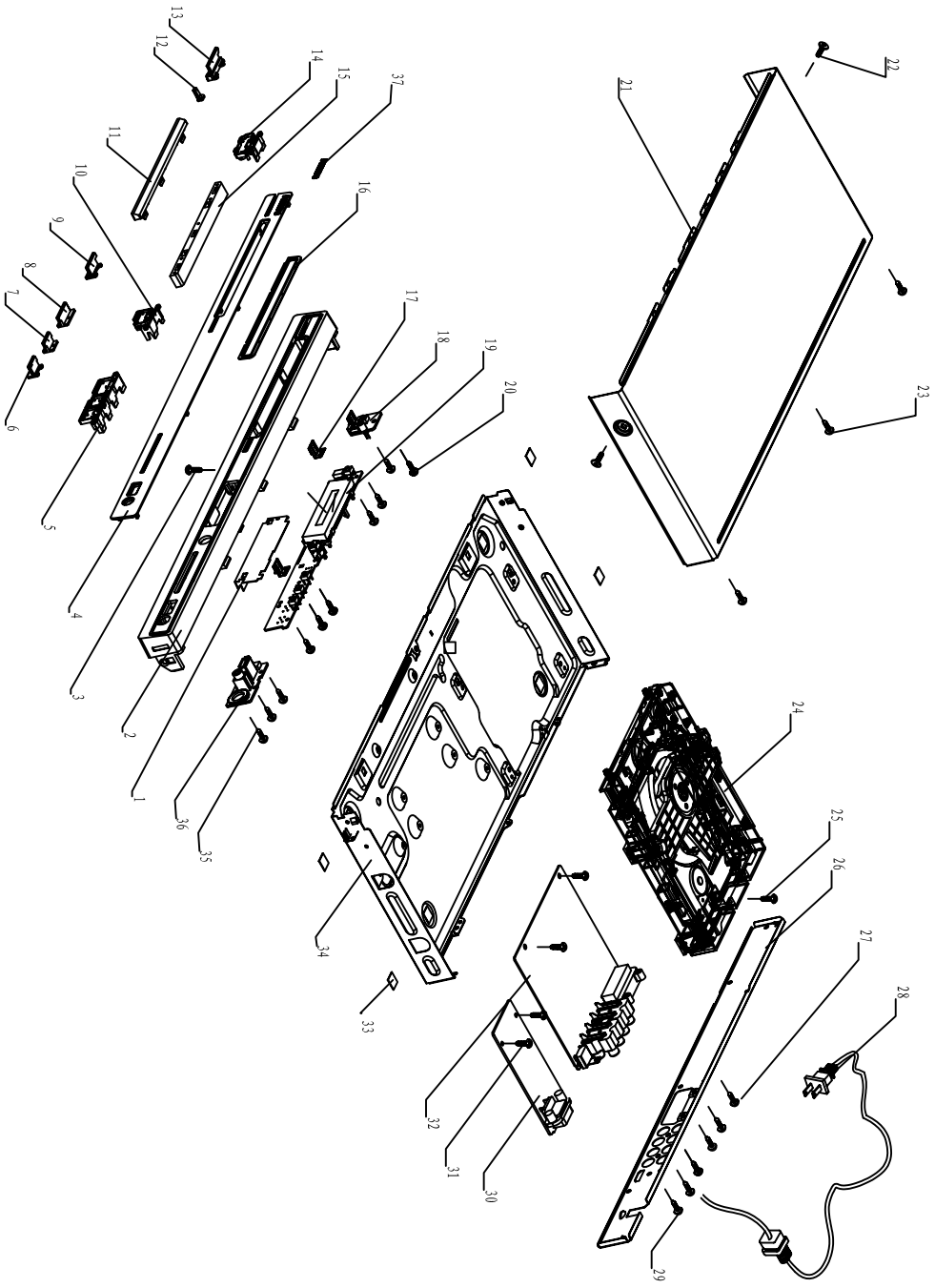
No	12NC No.	Part Name	Q'ty
1	/	ESD Plate	1
Ass'y1	/	Front Panel Ass'y for DVP5980/05/12	1
	/	Front Panel Ass'y for DVP5982/37	
Ass'y2	/	Front Door Ass'y for DVP5980/05/12	1
	/	Front Door Ass'y for DVP5982/37	
17	/	Earthing Plate	1
18	/	Ass'y-Switch Board	1
19	/	Ass'y- Front Board	1
21	/	Top cover	1
24	/	Loader	1
26	/	Rear Cabinet for DVP5980/05/12	1
	/	Rear Cabinet for DVP5982/37	
28	/	Power Cord for DVP5980/05	1
	/	Power Cord for DVP5980/12	
	/	Power Cord for DVP5982/37	
30	/	Ass'y-Power Board for DVP5980/05/12	1
	/	Ass'y-Power Board for DVP5982/37	
32	/	Ass'y-Main Board for DVP5980/05/12	1
	/	Ass'y-Main Board for DVP5982/37	
33	/	Pad	4
34	/	Bottom Cabinet	1
36	/	Ass'y -USB Board	1

SCREW LIST

No	12NC No.	Part Name	Q'ty
3	/	Machine Screw	1
20	/	S/T Screw B 2.6 X 8 BF	7
22	/	Machine Screw	2
23	/	Machine Screw	3
25	/	Machine Screw	1
27	/	Machine Screw	2
29	/	Machine Screw	1
31	/	Machine Screw	5
35	/	Triangle M/C Screw B 3 X 6	2
37	/	S/T SCREW B 3 X 8 BF	2

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

DVP5980K/XX Mechanical Exploded View



Remark:
Ass'y1 is the assemble component for location 2,4,5,6,7,8,9,10,12,13,14,16,38
Ass'y2 is the assemble compoient for location 11,15

It's a general Mechanical Exploded View for DVP5980K/XX, Detailed information please refer to Model set.

ENCASING & ACCESSORIES PARTS LIST

No	12NC No.	Part Name	Q'ty
1	/	ESD Plate	1
Ass'y1	996510002165	Front Panel Ass'y	1
Ass'y2	996510002164	Front Doorl Ass'y	1
17	/	Earthing Plate	1
18	996510001860	Ass'y-Switch Board	1
19	996510001861	Ass'y- Front Board	1
21	/	Top cover	1
24	996510001864	Loader	1
26	/	Rear Cabinet for DVP5980K/55	1
	/	Rear Cabinet for DVP5980K/75	
28	/	Power Cord for DVP5980K/55	1
	996510002166	Power Cord for DVP5980K/75	
30	/	Power Board for DVP5980K/55	1
	996510001859	Power Board for DVP5980K/75	
32	996510002163	Main Board for DVP5980K/55	1
33	/	Pad	4
34	/	Bottom Cabinet	1
36	996510001863	Ass'y USB+OK Board	1

SCREW LIST

No	12NC No.	Part Name	Q'ty
3	/	Machine Screw	1
20	/	S/T Screw B 2.6 X 8 BF	7
22	/	Machine Screw	2
23	/	Machine Screw	3
25	/	Machine Screw	1
27	/	Machine Screw	2
29	/	Machine Screw	1
31	/	Machine Screw	5
35	/	Triangle M/C Screw B 3 X 6	3

Accessory

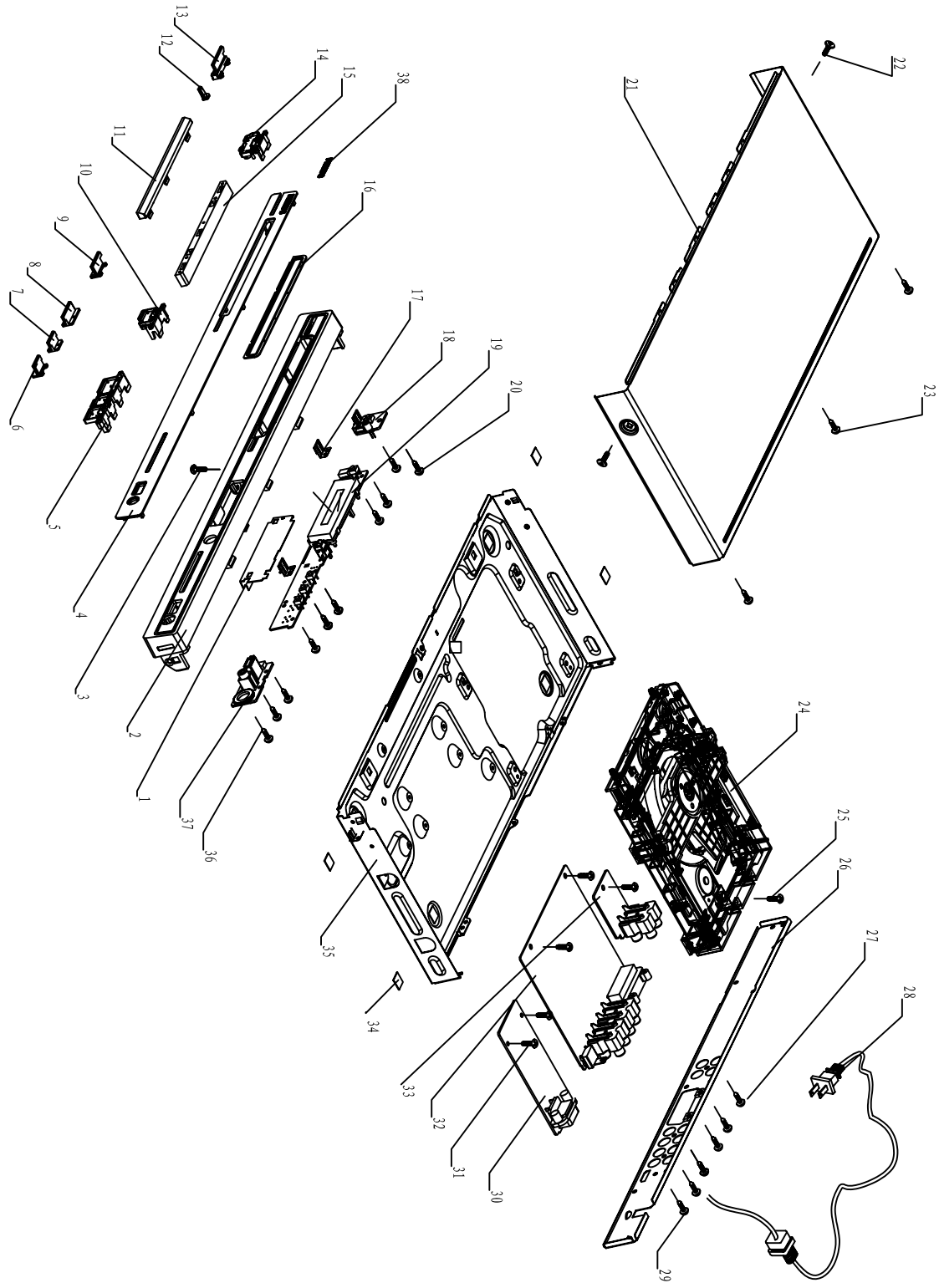
AVCAB	996510001106	VIDEO CABLE 1500mm	1
RC	996510001865	REMOTE CONTROL	1

Cable

CN2	996510001192	PH-5Y/PH-5Y L=130MM	1
J2	996510001222	HS 6P PH-6Y/PH-6Y	1
HA1	996510001108	24PIN FLAT WIRE	1
CON302	996510001868	CABLE HS 4P UL20080#28 160MM	1
CON301	996510001867	CABLE HS PH-12Y/JC20-12P	1
CN601	996510001866	CABLE 8P HS	1
CON2	996510000546	8PIN HS	1

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

DVP5986K/XX Mechanical Exploded View



Remark:
Ass'y1 is the assemble component for location 2,4,5,6,7,8,9,10,12,13,14,16,38
Ass'y2 is the assemble compoient for location 11,15

It's a general Mechanical Exploded View for DVP5986K/XX, Detailed information please refer to Model set.

ENCASING & ACCESSORIES PARTS LIST

No	12NC No.	Part Name	Q'ty
1	/	ESD Plate	1
Ass'y1	/	Front Panel Ass'y	1
Ass'y2	/	Front Door Ass'y	1
17	/	Earthing Plate	1
18	/	Ass'y-Switch Board	1
19	/	Ass'y- Front Board	1
21	/	Top cover	1
24	/	Loader	1
26	/	Rear Cabinet for DVP5986K/98	1
	/	Rear Cabinet for DVP5986K/93	
	/	Rear Cabinet for DVP5986K/51	
28	/	Power Cord for DVP5986K/98	1
	/	Power Cord for DVP5986K/93	
	/	Power Cord for DVP5986K/51	
30	/	Ass'y-Power Board for DVP5986K/51/93	1
	/	Ass'y-Power Board for DVP5986K/98	
32	/	Ass'y-Main Board	1
33	/	Ass'y-AV Board	1
34	/	Pad	4
35	/	Bottom Cabinet	1
37	/	Ass'y USB+OK Board	1

SCREW LIST

No	12NC No.	Part Name	Q'ty
3	/	Machine Screw	1
20	/	S/T Screw B 2.6 X 8 BF	7
22	/	Machine Screw	2
23	/	Machine Screw	3
25	/	Machine Screw	1
27	/	Machine Screw	2
29	/	Machine Screw	1
31	/	Machine Screw	5
36	/	Triangle M/C Screw B 3 X 6	3

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

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.