



LCD TV Service Manual

For qualified service personnel only.
Version 1.0

Model Number.
40LA45RQ

Changing Entertainment. Again.
www.rca.com



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Records of Revision

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Chapter 1 Product Introduction

1.1 Basic Specifications

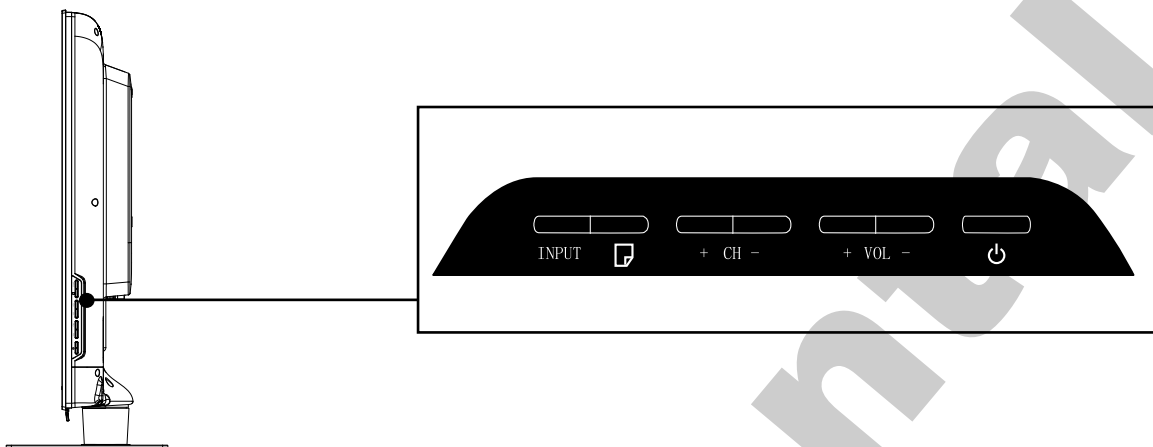
Model		40LA45RQ
Diagonal Display Size		40 inches
Television System		American TV standard ATSC/NTSC system
Channel Coverage		VHF: 2~13 UHF: 14~69 CATV: 1~135 Digital Terrestrial Broadcast (8VSB): 2~69 Digital Cable (64/256QAM): 1~135
Power Supply		AC 110 V, 60Hz
Connection Interface	RF input	Cable/Antenna x 1
	Video input	AV x 1 Component x 2 HDMI x 3
	Audio input	AV x 1 Component x 2 PC Audio In x 1
	Audio output	Headphone x 1, Digital Audio Out x 1, Analog Audio Out (L/R) x 1
	Graphic input	RGB 15pin x 1
Resolution		1920 x 1080
Component/HDMI mode		480i, 480p, 720p, 1080i, 1080p
Dimension	With stand	38.6"W x 26.8"H x 9.8"D
	Without stand	38.6"W x 25.0"H x 4.3"D
	Package	49.4"W x 30.7"H x 8.5"D
Weight	With stand	41.1LBS (18.5KGS)
	Without stand	35.6LBS (16KGS)
	Package	48.2LBS (21.7KGS)
Power Consumption		less than 230W

Chapter 1 Product Introduction

1.2 Product Function

Side Keypad Buttons

If you cannot locate your remote, you can use the side keypad buttons on your TV to operate many TV features.



INPUT: Displays the Source Select List.

MENU (□): Displays the TV Main Menu.

CH+: Scans up through the channel list. In the TV menu system, it acts like the up arrow on the remote control and can be used to select menu options.

CH-: Scans down through the channel list. In the TV menu system, it acts like the down arrow on the remote control and can be used to select menu options.

VOL+: Increases the volume. In the TV menu system, it acts like the right arrow on the remote control and can be used to select menu options.

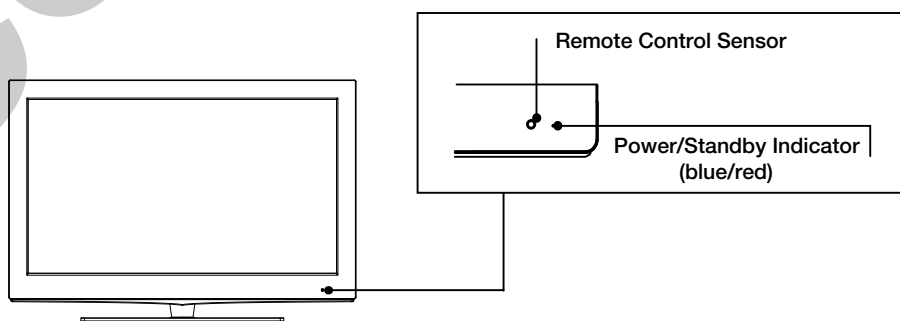
VOL-: Decreases the volume. In the TV menu system, it acts like the left arrow on the remote control and can be used to select menu options.

POWER (⏻): Turns the TV on and off.

Front Panel

Power/Standby Indicator: Blue and red dual-color LED. It shows red when the TV is turned off and blue when turned on.

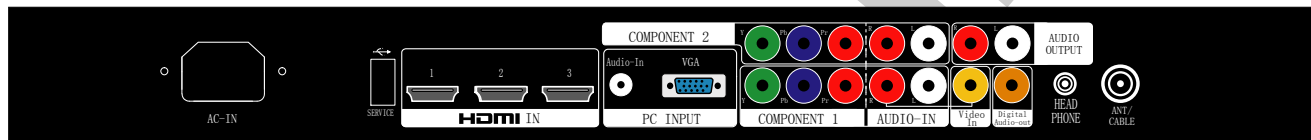
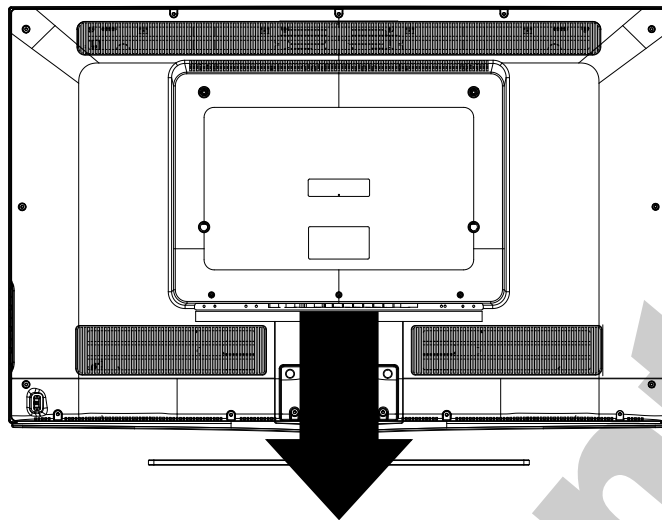
Remote Control Sensor: Remote control IR sensor, which receives infrared ray sent by remote control.



For more information about TV function, please refer to the User's Manual.

Chapter 1 Product Introduction

1.3 Connection Interface



ANT/CABLE: Connect to receive the signal from your antenna or cable via coaxial cable.

Head phone: Connect a 3.5mm headphone for personal audio.

Digital Audio-out: Connect a coaxial cable for digital audio output.

AUDIO OUTPUT L/R: Connect double-channel coaxial cables for analog audio output.

Note:• *Digital Audio-out and AUDIO OUTPUT L/R are supposed to be connected to audio power amplifier, which provides smoother and more powerful sound performance.*

AUDIO-IN L/R, Video In: Connect an AV device that has composite video jacks, such as a VCR or a DVD player. To access device connected to these jacks, press the INPUT button on your remote; then press the up/down arrow to select AV. Press the ENTER button at last to confirm.

- **AUDIO-IN L:** Left audio channel connection. The left audio connector is usually white. For mono audio sources, be sure to use the left AUDIO INPUT.

- **AUDIO-IN R:** Right audio channel connection. The right audio connector is usually red.

Note:• *The AV input (Video In), COMPONENT 1 input (Y, Pb, Pr) share the same audio input jacks-AUDIO-IN L/R.*

COMPONENT 1,2 Y/Pb/Pr: Connect a device that has component video jacks, such as a DVD player.

To access device connected to the Y/Pb/Pr jack, press the INPUT button on your remote; then press the up/down arrow to select Component1 or Component2. Press the ENTER button at last to confirm.

- **Y/Pb/Pr (Component Video):** They provide good picture quality because the video signal is separated into three components. Use three video-grade or component video cables for the connection. When using Y/Pb/Pr, make sure you connect left and right audio cables to the Audio L and Audio R jacks.

HDMI1, 2, 3: (High-Definition Multimedia Interface) It provides an uncompressed digital connection that carries both video and audio data by way of an integrated mini-plug cable.

PC INPUT VGA: Connect your computer or other device with a VGA output to this jack using a 15-pin, D-sub cable.

PC INPUT Audio-In: Use to obtain sound when a PC is connected to TV. Use 3.5mm stereo mini-pin cable to connect PC to TV.

SERVICE: For service use only. Do not connect any device.

AC-IN: AC power input.

Chapter 2 LCD Panel Information

2.1 General Information

TV 32LA45RQ employs three kinds of LCD panel: V400H1-L01 (including same-pole and different-pole panels), V400H1-L03 (including same-pole and normal panels) and V400H1-L05, which are almost the same except some backlight unit difference. They are all 40" TFT Liquid Crystal Display modules with 20 CCFL and 2ch-LVDS interface (for V400H1-L05 14 CCFL). These modules support 1920 x 1080 HDTV format and can display true 16.7M colors (8-bit colors).

Furthermore, these LCD panels can be divided into three groups: V400H1-L01 (including same-pole and different-pole panels) and V400H1-L03 same-pole panels belong to group A; V400H1-L03 normal panels belong to group B; and V400H1-L05 belong to group C. Each group will be elaborated in the details below (see page 6).

2.2 Main Features

- High brightness (530 nits)
- Ultra-high contrast ratio (1800:1)
- Faster response time (Gray to gray average 6.5ms)
- High color saturation NTSC 72%
- Ultra wide viewing angle : 176(H)/176(V) (CR>20) with Super MVA technology
- DE (Data Enable) only mode
- LVDS (Low Voltage Differential Signaling) interface
- Color reproduction (nature color)
- Optimized response time for both 50/60 Hz Frame rate
- Low color shift function
- RoHS compliance

2.3 General Specification

The following list gives specification of V400H1-L01. For more details or specifications of LCD panel, please refer to the LCD panel Specification of Approval.

Item	Specification	Unit	Note
Active Area	885.6(H) x 498.15 (V) (40" diagonal)	mm	(1)
Bezel Opening Area	891.7 (H) x 504.2 (V)	mm	
Driver Element	a-Si TFT active matrix	- -	
Pixel Number	1920 x R.G.B. x 1080 pixel	-	
Pixel Pitch	0.1730 (H) x 0.5190 (V)	mm	
Pixel Arrangement	RGB vertical stripe	- -	
Display Colors	16.7M color	-	
Transmissive Mode	Transmissive mode / Normally black	- -	
Surface Treatment	Anti-Glare coating (Haze 17%) Hardness (3H)	- -	

Note: (1) For mechanical and outline dimensions, please refer to the drawings in Specifications of Approval.

For detailed specifications about LCD panel, please refer to the panel Specification for Approval.

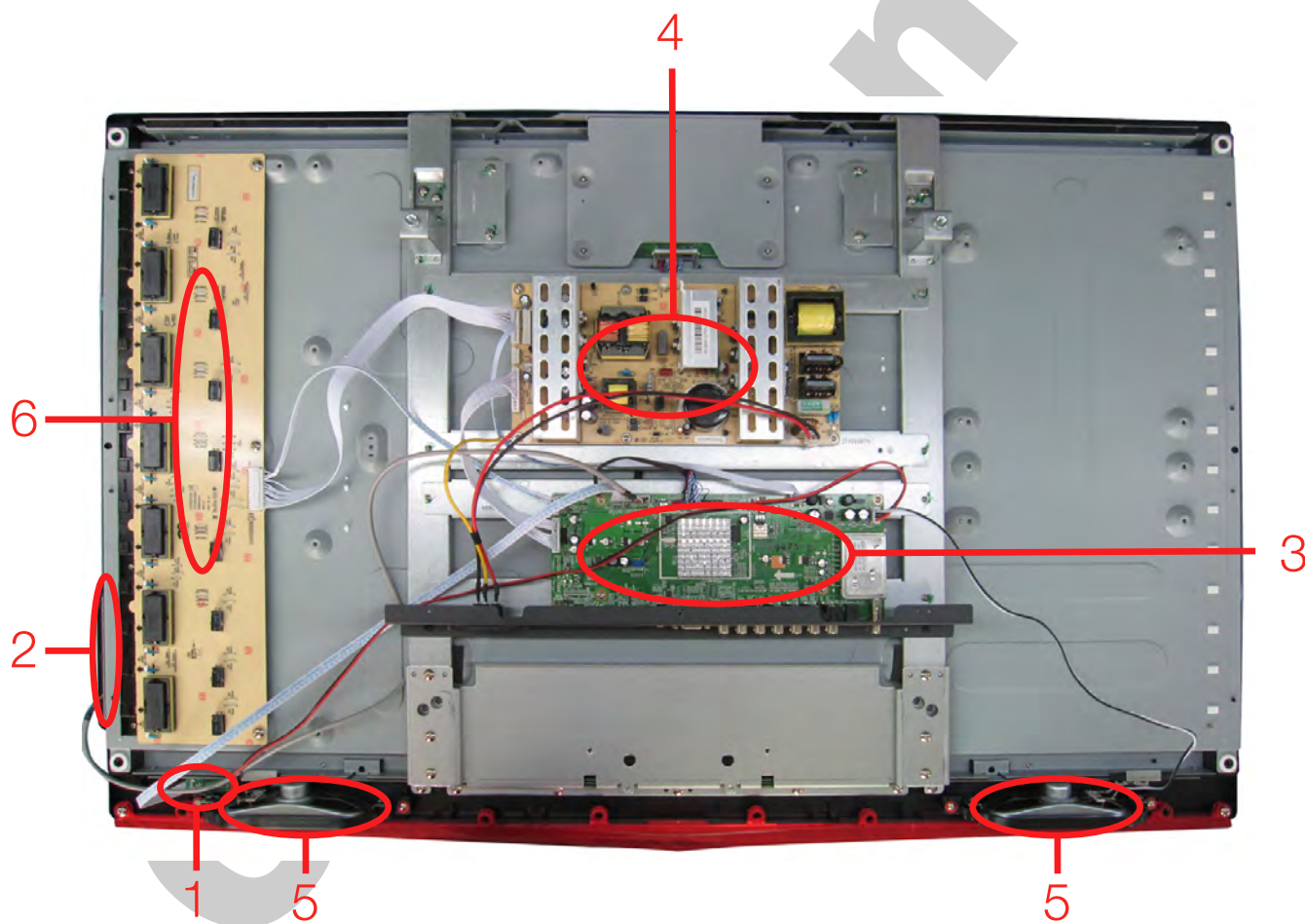
Chapter 3 Main Component

3.1 Inner Structure

Inside cabinet (front):

Note: The appearance may be different depending on the different panel and power board.

The picture below shows the ordinary power board and independent inverter board for panel V400H1-L05 (in group C).



Chapter 3 Main Component

Item List

Group A: V400H1-L01 (including same-pole and different-pole panels) and V400H1-L03 same-pole panels

Item	Part No.	Part Name	Description	Note
1	RT1040E0101	IR board	22F, 45 x 15 x 1.6 mm	(1)
2	RT0940E0100	Key board	22F, 106.9 x 11.9 x 1.6 mm	(2)
3	RE01TC711LNA0	Main board	Chipset RSC7.11A	
4	RE46AY2500 RE46AY2501	Power board	AYL400201 250W, 2-in-1 power board AYL400203	(3)
5	RE261530458101	Speakers	8Ohm, 10W	

Note: (1,2) 22F and dimensions refer to the PCB board.

(3) 2-in-1 power board matches the same-pole and different-pole panels without inverter. And the power board is connected to balance board of panel via high-voltage output jack and feedback jack.

Group B: V400H1-L03 normal panels

Item	Part No.	Part Name	Description	Note
1	RT1040E0101	IR board	22F, 45 x 15 x 1.6 mm	(1)
2	RT0940E0100	Key board	22F, 106.9 x 11.9 x 1.6 mm	(2)
3	RE01TC711LNA0	Main board	Chipset RSC7.11A	
4	RE46AY2700	Power board	AYP427101 250W, ordinary power board	(3)
5	RE261530458101	Speakers	8Ohm, 10W	

Note: (1,2) 22F and dimensions refer to the PCB board.

(3) Ordinary power board matches the normal panel which employs a built-in inverter.

Group C: V400H1-L05 (with independent inverter)

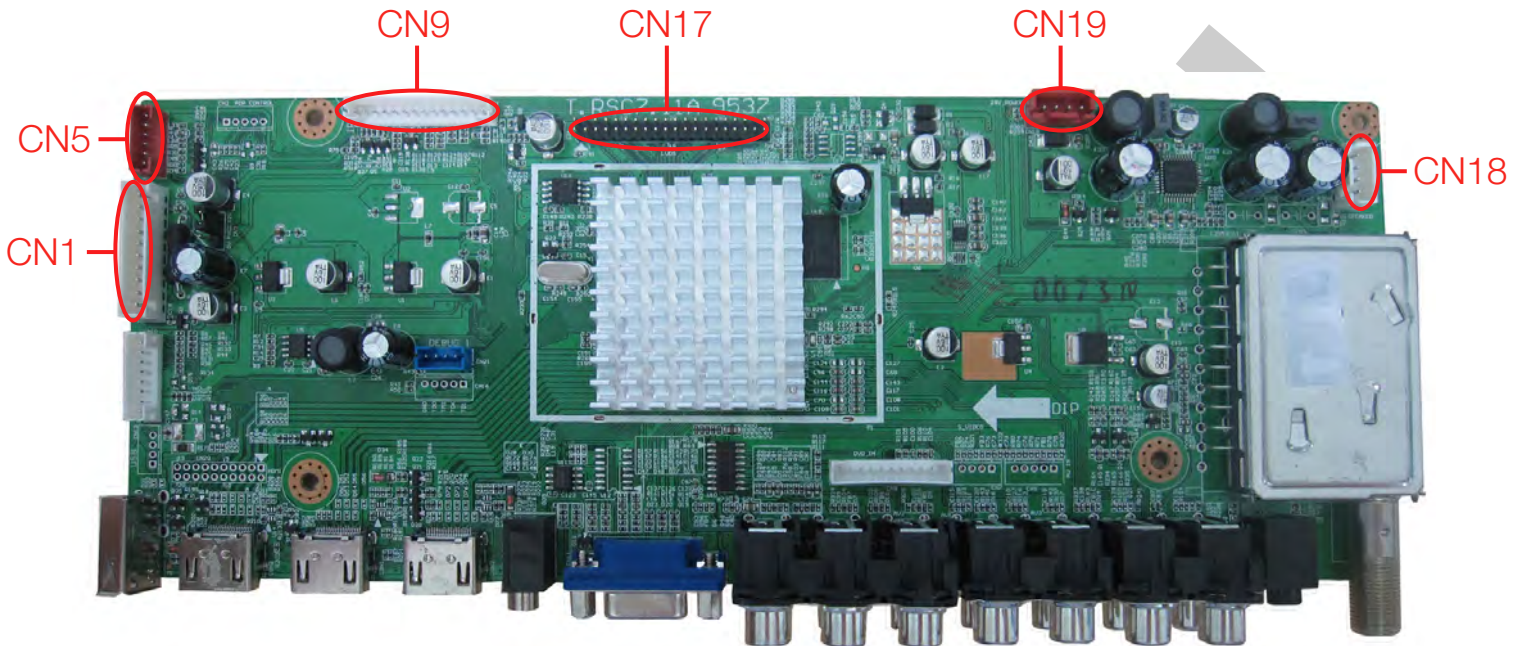
Item	Part No.	Part Name	Description	Note
1	RT1040E0100	IR board	22F, 45 x 15 x 1.6 mm	(1)
2	RT0940E0100	Key board	22F, 106.9 x 11.9 x 1.6 mm	(2)
3	RE01TC711LNA0	Main board	Chipset RSC7.11A	
4	RE46AY2500	Power board	AYP427101 250W, ordinary power board	(3)
5	RE261530458101	Speakers	8Ohm, 10W	
6	RE027SSAY0	Inverter board	AYI401401, independent inverter board	(4)

Note: (1,2) 22F and dimensions refer to the PCB board.

(3,4) Group C panels employ an ordinary power board and an independent inverter.

Chapter 3 Main Component

3.2 Main board connection



Jack List

Jack No.	Specification	Description	Connection	Note
CN5	6 Pin 2.0mm	Inverter jack	To LCD panel inverter or 2-in-1 power board	Backlight control
CN9	14 Pin 2.0mm	IR and keyboard jack	To IR board and keyboard	
CN17	2x15 Pin 2.0mm	LVDS interface	To LCD panel	
CN18	4 Pin 2.54mm	Speaker jack	To speakers	
CN1	10 Pin 2.54mm	Main power supply jack	To power board	
CN19	4 Pin 2.54mm	Amplifier power supply jack	To power board	

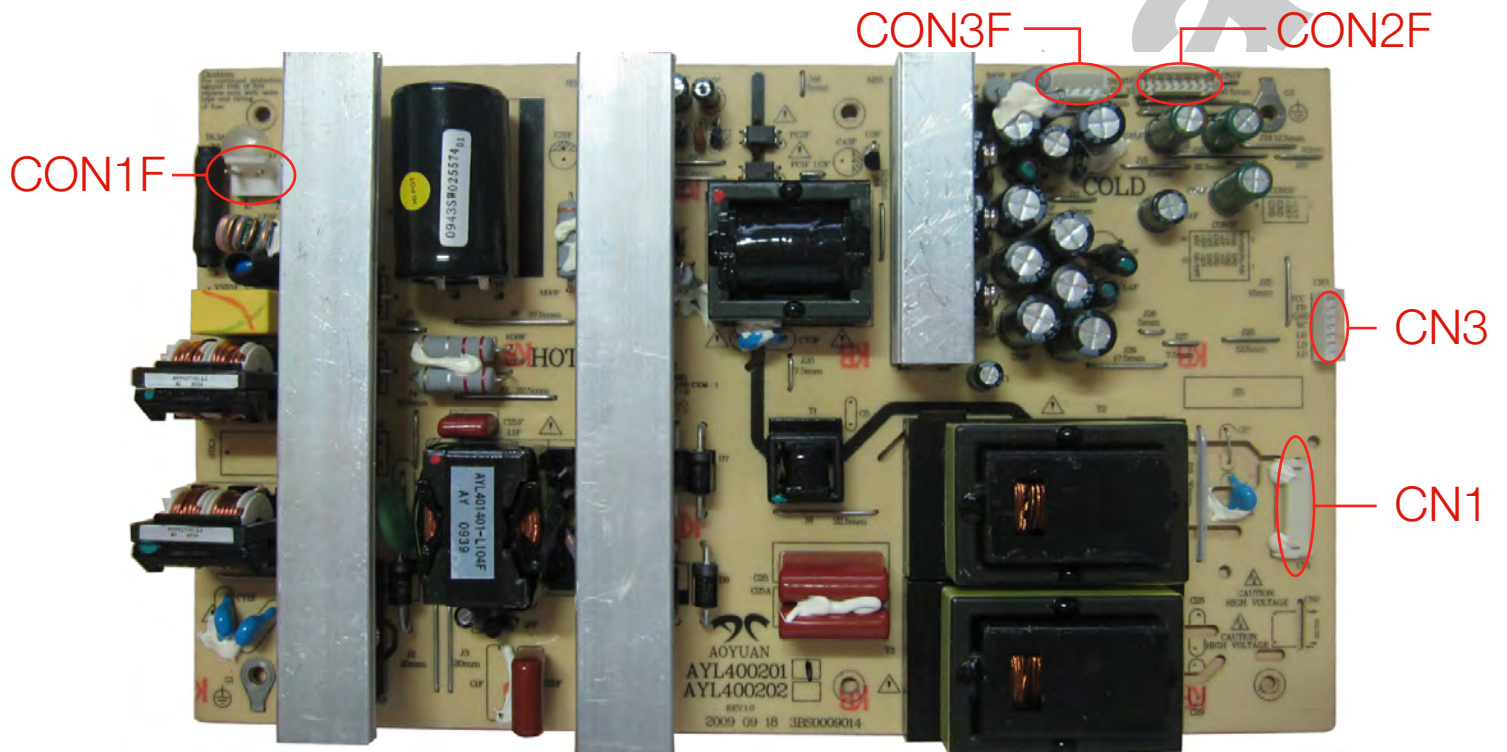
Note: The wire connections are different depending on the different panel groups. See the following pages.

Chapter 3 Main Component

3.3 Power board connection

3.3.1 2-in-1 power board

Group A: V400H1-L01 (including same-pole and different-pole panels) and V400H1-L03 same-pole panels



Jack List

Jack No.	Specification	Description	Connection	Note
CON1F	2 Pin 3.96mm	AC input jack	To AC power supply	
CN3	7 Pin 2.0mm	Backlight feed back	To LCD panel balance board	
CON2F	8x2 Pin 2.0mm	Main board power supply and backlight control	To main board	
CON3F	4 Pin 2.54mm	Amplifier power supply	To main board	
CN1	2 Pin	Backlight power supply	To LCD panel backlight unit	

Chapter 4 Easy Troubleshooting

Note: Before opening the cabinet and working on the repairs, please read the troubleshooting and Q&A attached in the user's manual, which has covered most of the problems caused by improper using or settings to the TV set. If that does not work, please carry out the easy troubleshooting before checking or replacing the main parts of the television. The troubleshooting guides given below base on the situation in which the TV's functions are set and used properly.

Plus, if the easy troubleshooting can not help, please work on the repairing according to the procedures given in chapter 5, Exception Handles.

4.1 Troubleshooting for Common Use

TV can not be turned on

- Check the connection and condition of wires and inlets that relate to power board, including the AC power inlet, the power incoming wire, wires between power board and mainboard, etc.
- Check the diagram around power board to see if there exists a short circuit or creepage.
- The power board may be bad. Please change the board for testing. If it cannot help, refer to the chapter 5 for more intensive information.
- In addition, the malfunction of LCD panel can cause failure of power on. Please refer to 4.2 Troubleshooting for Displaying for more information.

Auto turning off

- Check the sleep timer setting.
- Check the surrounding diagram of power board. The problem is most possibly caused by short circuit or wire breakage, because this kind of malfunctions can cause excessive current, which will make the power board startup self-protection.

The screen goes black after a shorting blink

- If the TV screen can not display after the blink, that means the panel or other parts of equipment is broken (most likely by improper input voltage). Ensure the input voltage of every component, and then check the part that is suspected damaged.
- If this problem occurs repeatedly, check the surrounding diagram and connections of panel inverter board. Also, the backlight unit and LCD lamps should be checked out.

There exists afterimages after power off

- If the panel can work normally at the other time, it may be caused by bad mainboard. Upgrade to the latest software first, if that does not work, attempt to change the mainboard.

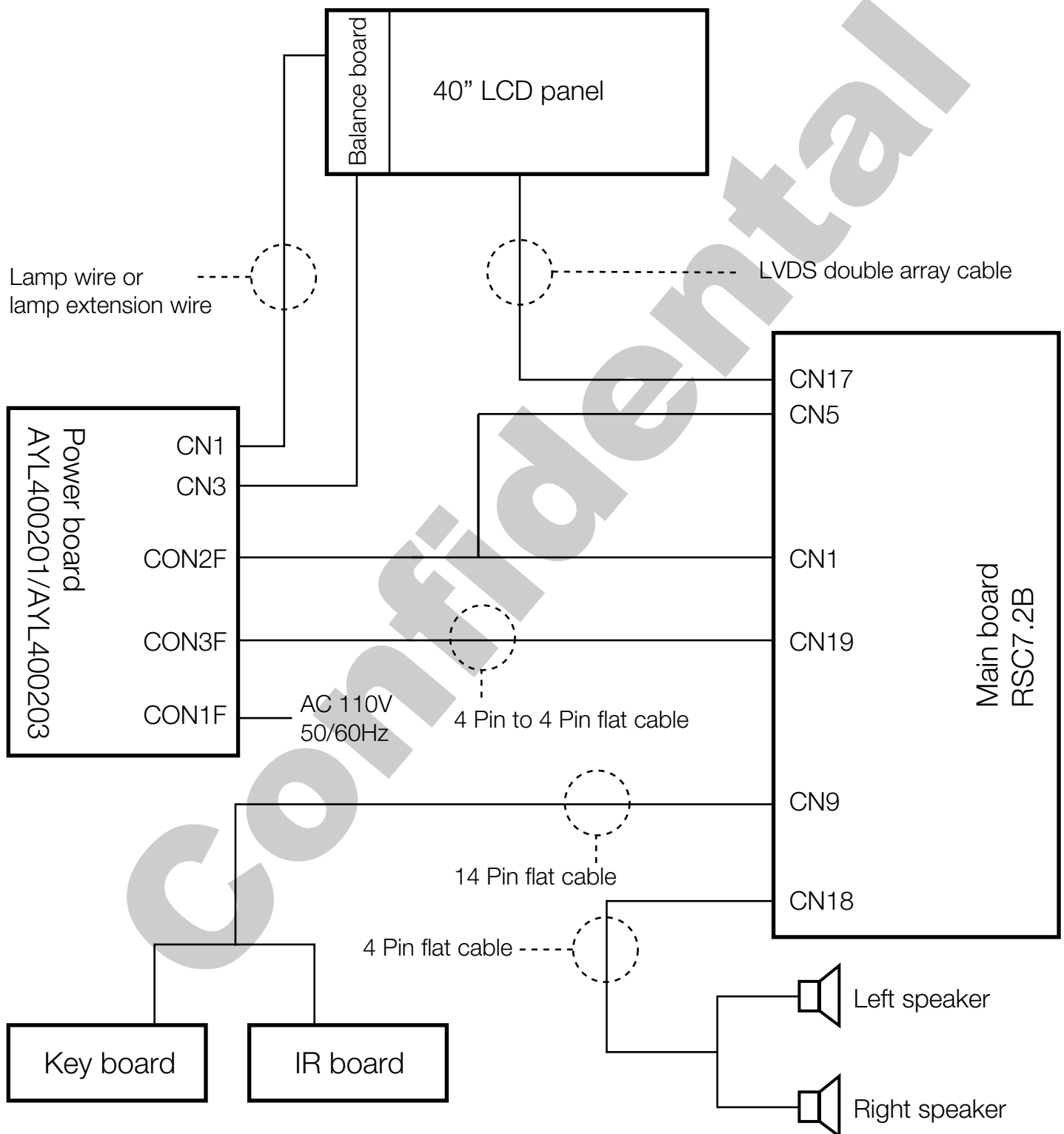
There exists squeak when TV is working

- Listen to the squeak carefully to make sure where the noise comes from. If it is from speakers, the voice may be caused by bad speakers. Change them for a try..
- If the noise comes from the inner parts of cabinet, it may be produced by abnormal AC current in power board. Change the board and check its surrounding circuits for a try.
- Check the routing of wires inside the cabinet to suppress interference.

Chapter 3 Main Component

3.4 Connection Diagram

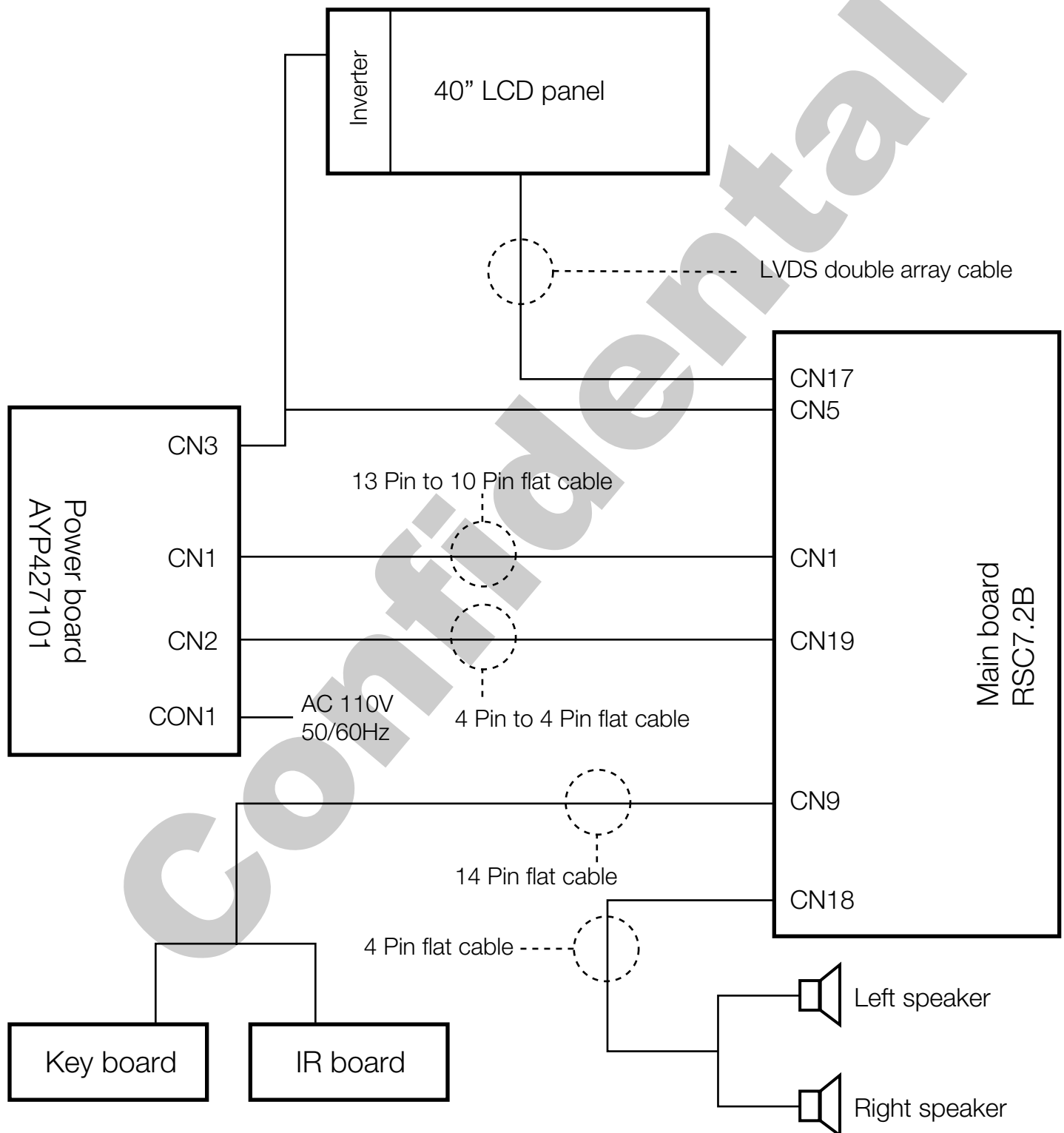
3.4.1 Group A panels



Chapter 3 Main Component

3.4 Connection Diagram

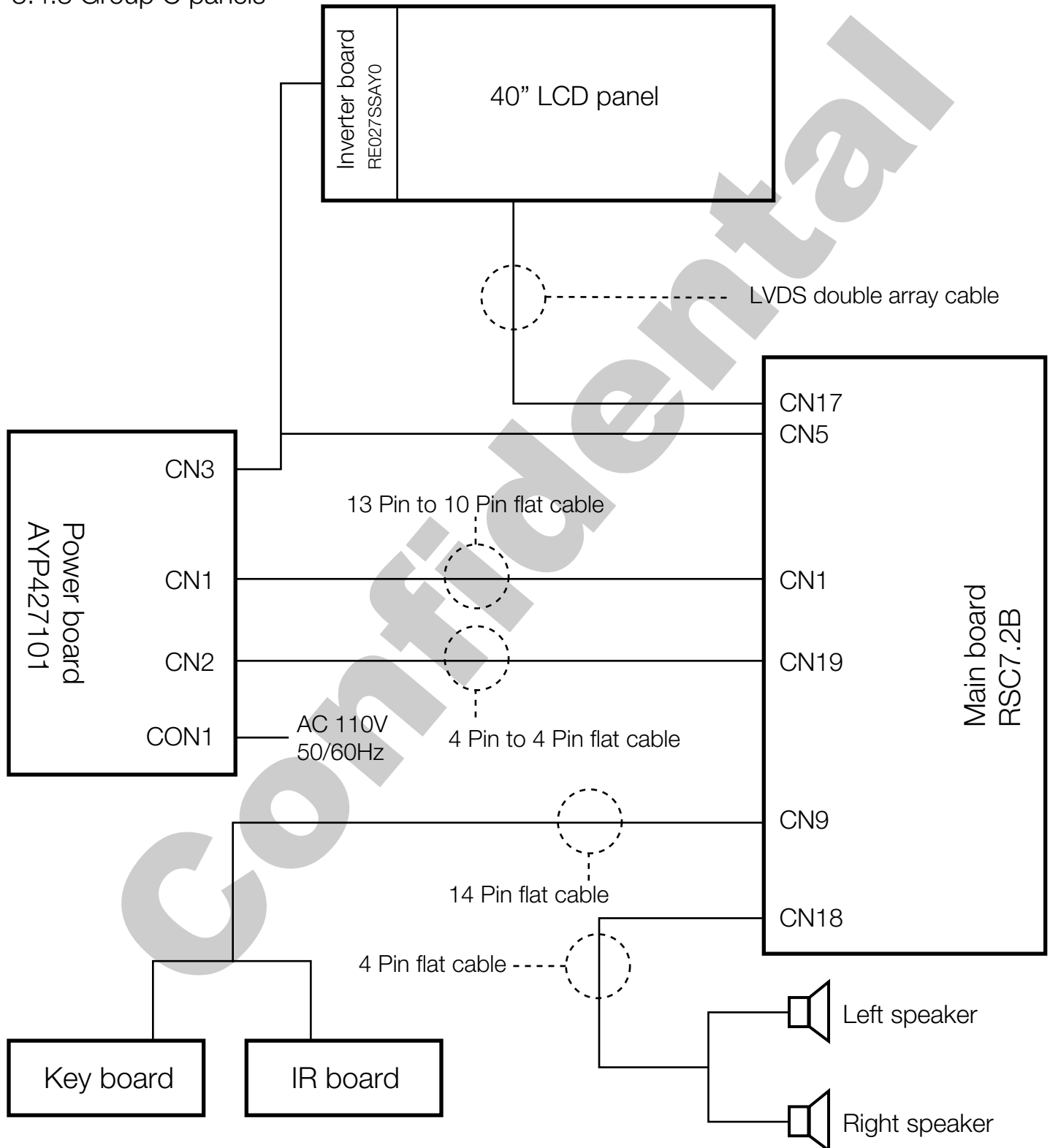
3.4.2 Group B panels



Chapter 3 Main Component

3.4 Connection Diagram

3.4.3 Group C panels



Chapter 4 Easy Troubleshooting

Note: Before opening the cabinet and working on the repairs, please read the troubleshooting and Q&A attached in the user's manual, which has covered most of the problems caused by improper using or settings to the TV set. If that does not work, please carry out the easy troubleshooting before checking or replacing the main parts of the television. The troubleshooting guides given below base on the situation in which the TV's functions are set and used properly.

Plus, if the easy troubleshooting can not help, please work on the repairing according to the procedures given in chapter 5, Exception Handles.

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TV can not be turned on

- Check the connection and condition of wires and inlets that relate to power board, including the AC power inlet, the power incoming wire, wires between power board and mainboard, etc.
- Check the diagram around power board to see if there exists a short circuit or creepage.
- The power board may be bad. Please change the board for testing. If it cannot help, refer to the chapter 5 for more intensive information.
- In addition, the malfunction of LCD panel can cause failure of power on. Please refer to 4.2 Troubleshooting for Displaying for more information.

Auto turning off

- Check the sleep timer setting.
- Check the surrounding diagram of power board. The problem is most possibly caused by short circuit or wire breakage, because this kind of malfunctions can cause excessive current, which will make the power board startup self-protection.

The screen goes black after a shorting blink

- If the TV screen can not display after the blink, that means the panel or other parts of equipment is broken (most likely by improper input voltage). Ensure the input voltage of every component, and then check the part that is suspected damaged.
- If this problem occurs repeatedly, check the surrounding diagram and connections of panel inverter board. Also, the backlight unit and LCD lamps should be checked out.

There exists afterimages after power off

- If the panel can work normally at the other time, it may be caused by bad mainboard. Upgrade to the latest software first, if that does not work, attempt to change the mainboard.

There exists squeak when TV is working

- Listen to the squeak carefully to make sure where the noise comes from. If it is from speakers, the voice may be caused by bad speakers. Change them for a try..
- If the noise comes from the inner parts of cabinet, it may be produced by abnormal AC current in power board. Change the board and check its surrounding circuits for a try.
- Check the routing of wires inside the cabinet to suppress interference.

Chapter 4 Easy Troubleshooting

4.2 Troubleshooting for Displaying

Note: If the troubleshooting given below can not help you, change the LCD panel for a try. But we strongly suggest you regard changing the panel as the last step of fixing the display problem.

No display (including white screen, black screen, etc.)

- Check the power board output and main board input ports to make sure whether the TV has been turned on successfully, because the failure in power on can lead to a no-display problem.
- If it is proved to have been electrified and turn on, check the LVDS cable first.
- Check if both of the two plugs of the flat cable between mainboard and power board have been well inserted into the slots. Unstable power supply can also cause serious display problem.
- If the display problem only happens in one input mode, that may be caused by wrong version software. Update the new software. If that can't help, change the main board for a try.

Screen tearing, or there exists moire on screen

- Bad LVDS cable and inappropriate panel driving voltage is still the biggest factor of this problem. So check them first.
- If the cable and voltage are correct, update the software for a try.
- Sometimes the fastening pieces can make unproper pressure to LCD panel, check them out.
- If the screen tearing happens in one or several input sources while the other source can display normally, it can be caused by bad mainboard most likely. Please change the mainboard for a try.
- Refer to chapter 5 for more details and resolution ways.

Straight dark/light line(s) on screen

- If the bad line is very narrow, it is usually caused by LCD panel malfunction, change the panel for a try.
- If the lines link together and become a bad band, upgrade the software and then check the ports and circuits of broken-down output mode(s).
- If the dark/light line, or band, appears in all the input modes, please change the LCD panel. But we suggest you check the panel inlet board(which links the panel and mainboard though LVDS cable) first, because sometimes the liquid crystal displaying unit is okay, while the inlet board has a transmitting problem, which also will lead to a displaying failure.
- Refer to chapter 5 for more details and resolution ways.

Color cast or interference

- If the cast or interference happens in only one input mode, check the output port(on mainboard) and transmitting network (around mainboard) of that mode.
- If the cast or interference happens in all the input modes, please exclude the malfunction according to easy troubleshooting for No Display. If that can not help, refer to chapter 5 for more details and resolution ways. In addition, most of this kind of problems come from the bad mainboards.

Chapter 4 Easy Troubleshooting

4.3 Troubleshooting for Audio

Note: Comparing with the display problem, the audio malfunctions are easier to work out. Constantly, if you have excluded the possibility of bad speakers and bad connection of audio output, the problem generally comes from the audio processing parts of mainboard. Please change mainboard for a try, or refer to chapter 5 for further information about repairing.

No Sound

- Check whether the speakers are broken first.
- Check the wire that links the mainboard and speakers. Watch if there is fracture or cladding material breakage.
- Check the joint of speakers and audio wire, watch if there is poor soldering or fake solder. Besides, the polarity mistake can also lead to audio problem.

Volume too low

- Check whether there is a jam at the sound hole in front cabinet.
- Check whether one or more speakers are bad.

Sound channel loss or confounding

- Check whether the audio wires are installed reversedly. The left channel wire should be white and the right channel wire is red.
- Check the audio output socket of mainboard to see whether it is wrongly inserted. If not, the mainboard audio output module may be bad, refer to chapter 5 for more details and resolution ways.
- If the connection is stable and right, the mainboard audio output module may be bad, refer to chapter 5 for more details and resolution ways.

Noise

- Check if there is anything should not exist in the speaker hollow space (such as screws).
- Check if the antihunting EVA is broken or missing.
- Check if the speakers are bad.

4.4 Troubleshooting for Keyboard

No key can work

- Check the wire between mainboard and keyboard, watch if there is fracture or cladding material breakage.
- Check the joint of mainboard and keyboard wire, watch if there is poor soldering or fake solder.
- Check the resistances that locate on the keyboard PCB. Watch if there is wrong or broken ones. Also, the poor soldering of fake solder should be concerned and checked carefully.
- Check the other components of keyboard (such as capacitances and microswitches) are wrong or bad.

Chapter 4 Easy Troubleshooting

Keys are sunken

- Check the screws that fasten the keyboard to the cabinet. They may be lost or getting loose.
- The key set may be bad, change them.

There is a reacting delay when operating the keys

- That is usually caused by bad keyboard, change it for a try.

Functions of keys are out of order

- Check the keyboard to see whether there is a short circuit between each soldering joint.
- Check all the resistances on PCB board.
- If a key is supposed to be able to achieve more than one functions, but it can achieve not all of them, that is usually caused by wrong software. Please update the latest and correct software for a try.
- If you can't ensure where the problem comes from, change the keyboard for a try. If that still can't help, refer to chapter 5 for more details and resolution ways.

4.5 Troubleshooting for Remote Control

Note: If the troubleshooting can not help, please change the RC board. If that still can't solve the problem, please refer to chapter 5 for more details and resolution ways with a will to mainboard repairing.

The RC (remote control, the same below) does not work

- Check the wire between mainboard and RC board, watch if there is fracture or cladding material breakage.
- Check the joint of mainboard and RC board wire, watch if there is poor soldering or fake solder. Also, the short circuit can lead to this problem, too.
- Check the infrared sensor that locates on the keyboard PCB. Watch if it is wrong or broken. Also, the poor soldering of fake solder should be concerned and checked carefully.
- Check the other components of RC board are wrong or bad.

The LED displays light in wrong color

- The short circuit is the most probable causation factor of this proble. Check the wire and joints for a judgement.
- Check the cable that links mainboard and RC board, watch if it is inserted with wrong location(similar with left-right channel wire fault for audio).
- Check the LED assembling, watch if its pins are in wrong location.

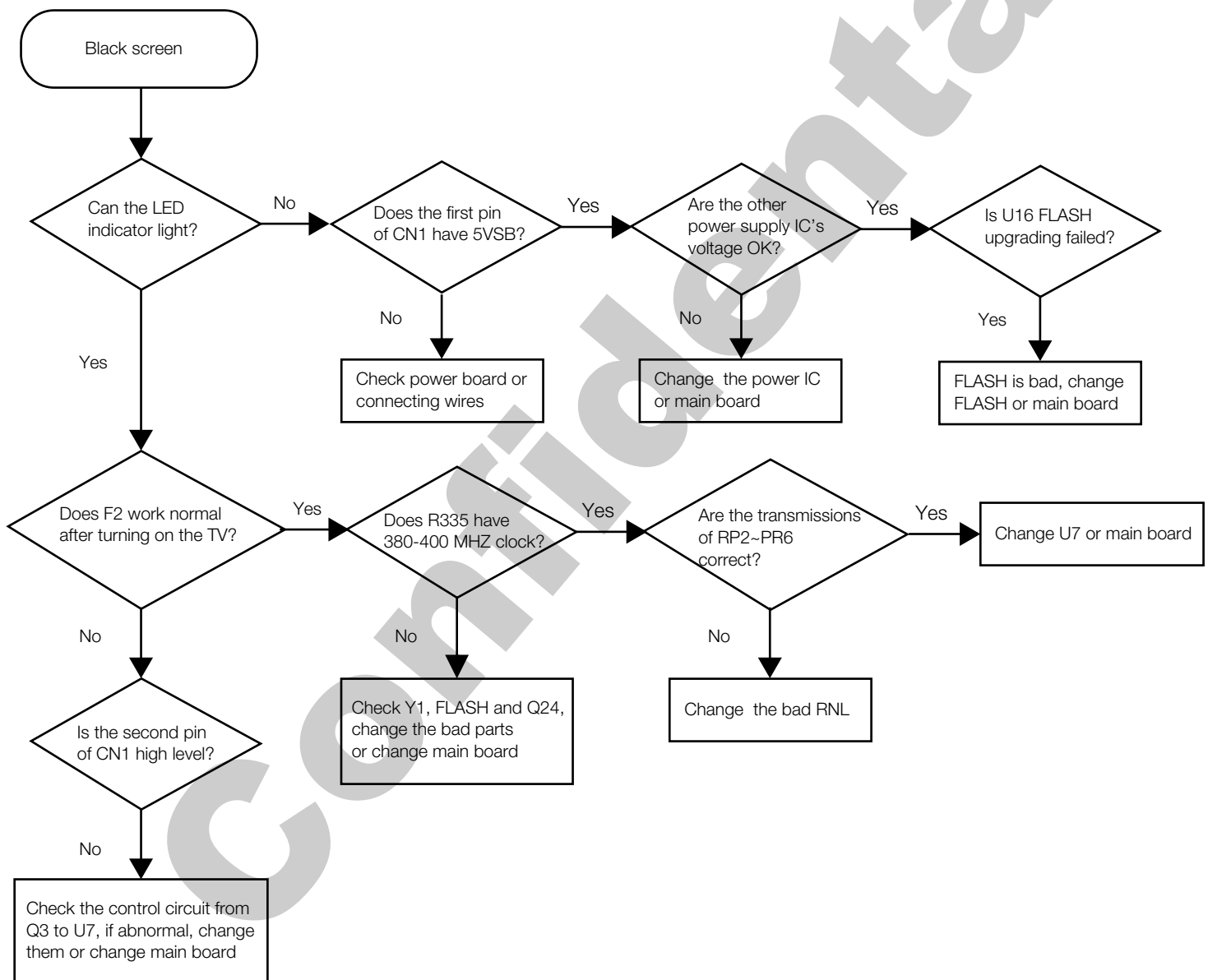
Chapter 5 Exception Handles

Note: The exception handles are prepared for qualified personal only.

5.1 Display Exceptions

5.1.1 Black screen and no display

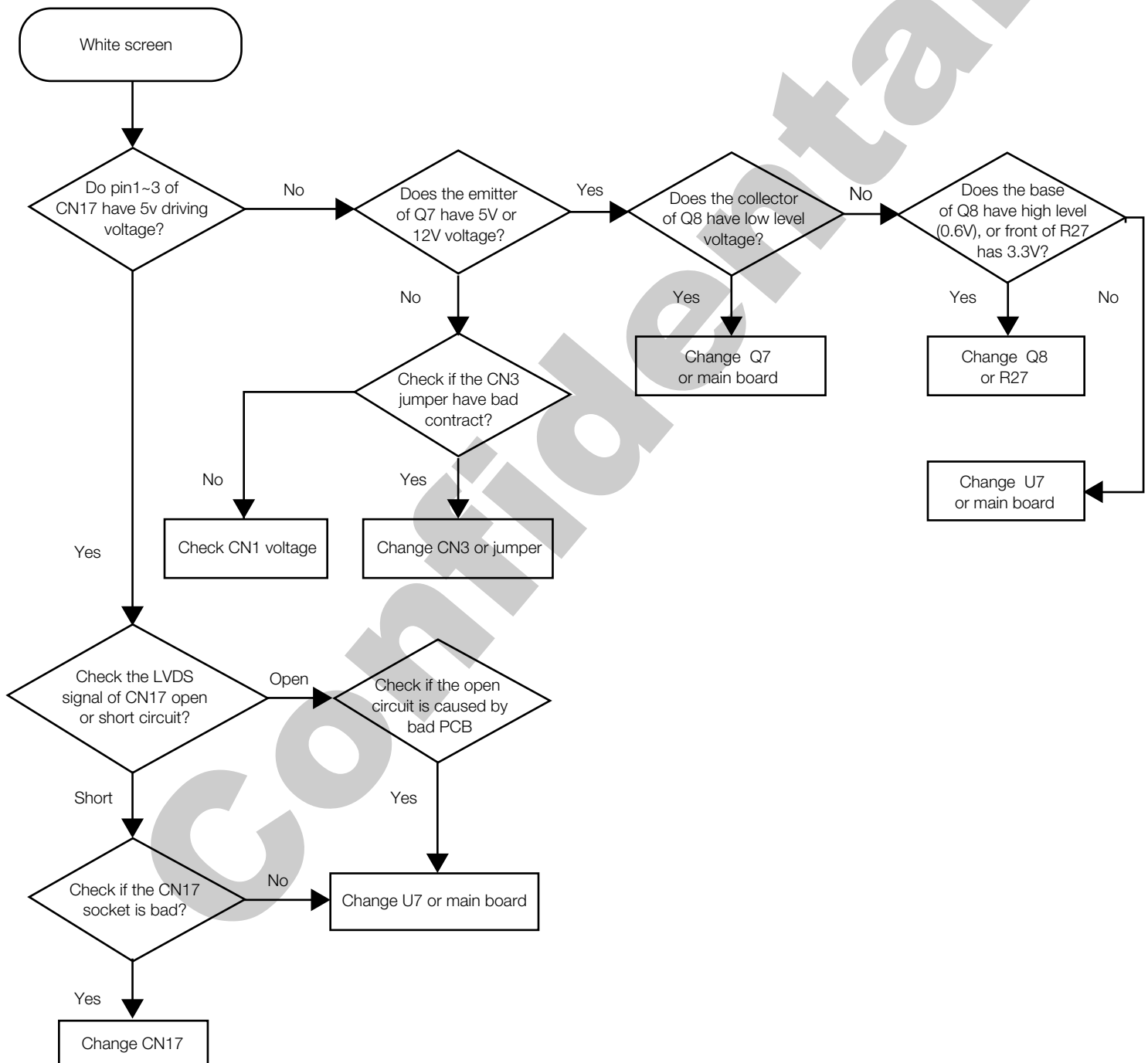
Note: If the troubleshooting guide can not help you with the obviation of faults, please change the non-conforming materials to rework.



Chapter 5 Exception Handles

5.1 Display Exceptions

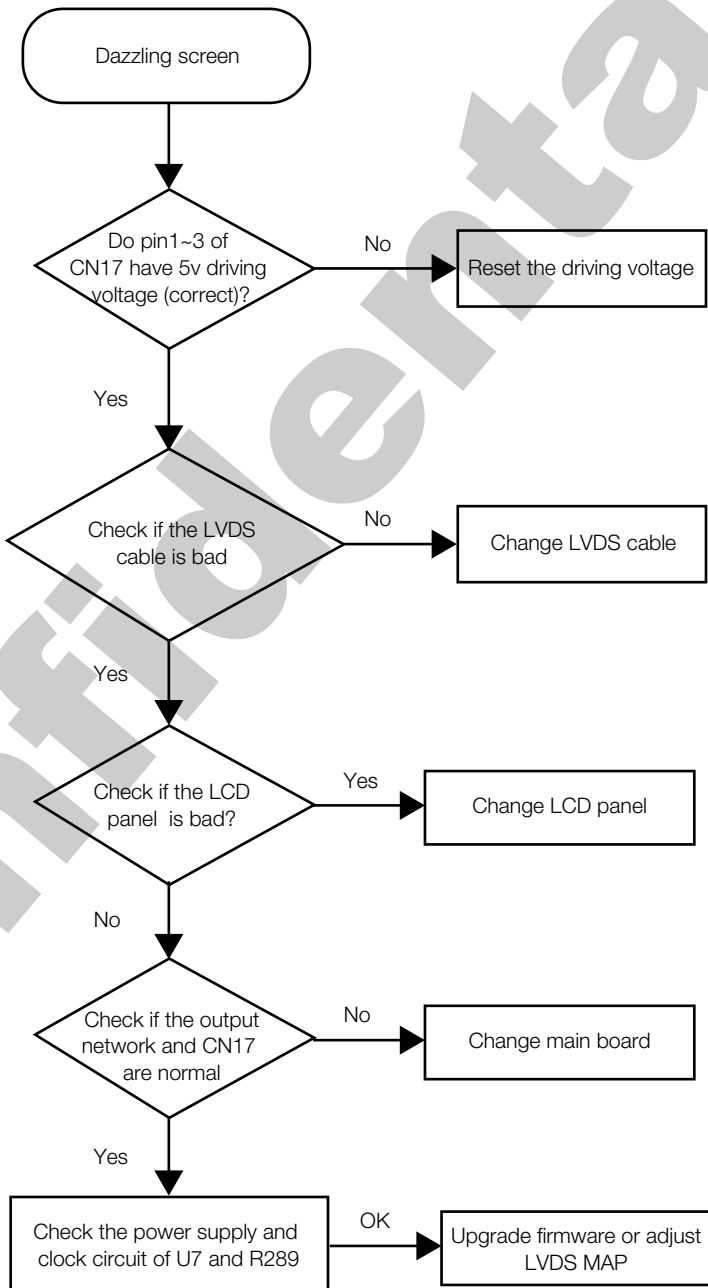
5.1.2 White screen



Chapter 5 Exception Handles

5.1 Display Exceptions

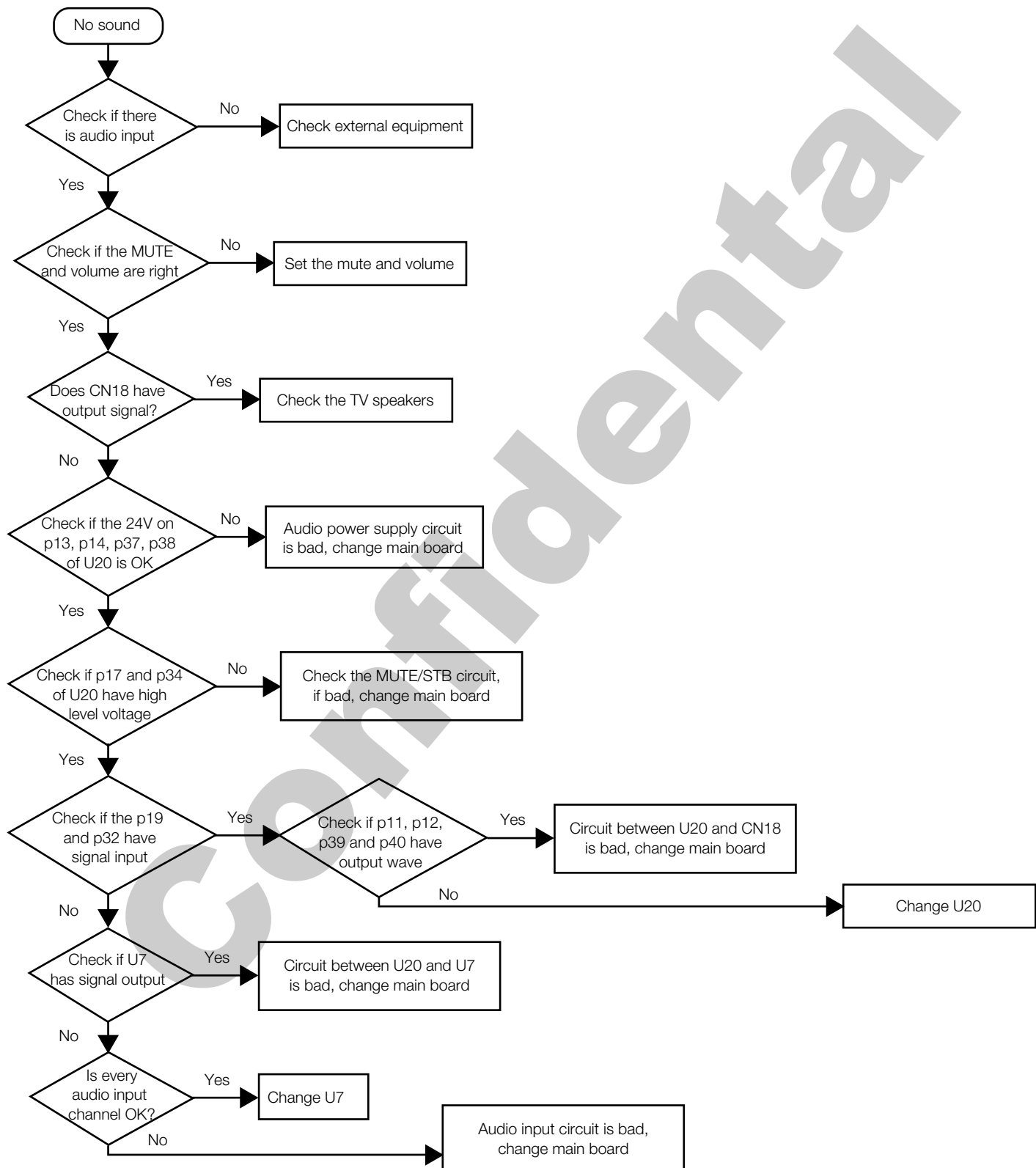
5.1.3 Dazzling screen



Chapter 5 Exception Handles

5.2 Audio Exceptions

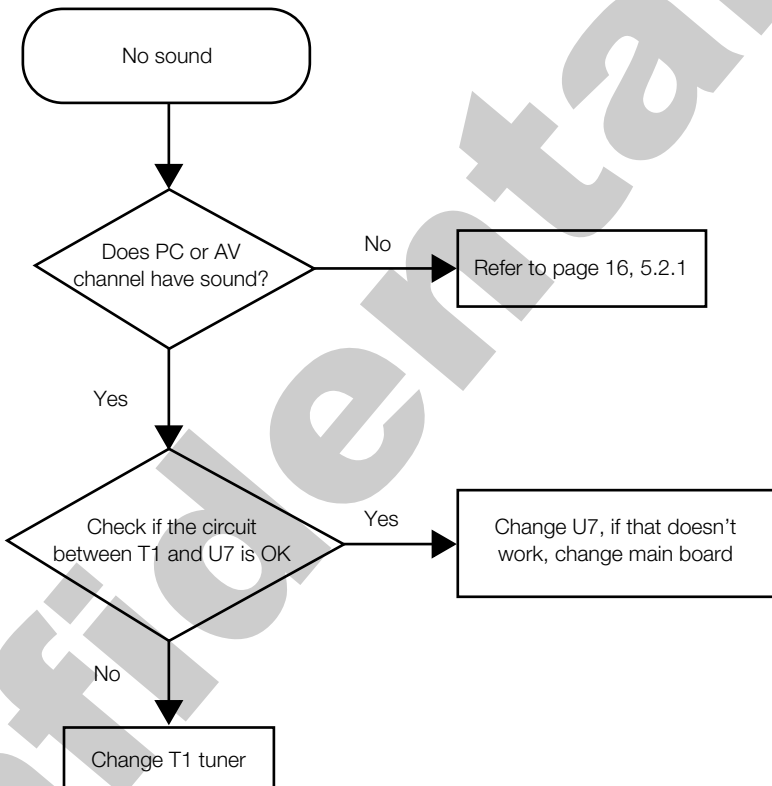
5.2.1 No sound (completely)



Chapter 5 Exception Handles

5.2 Audio Exceptions

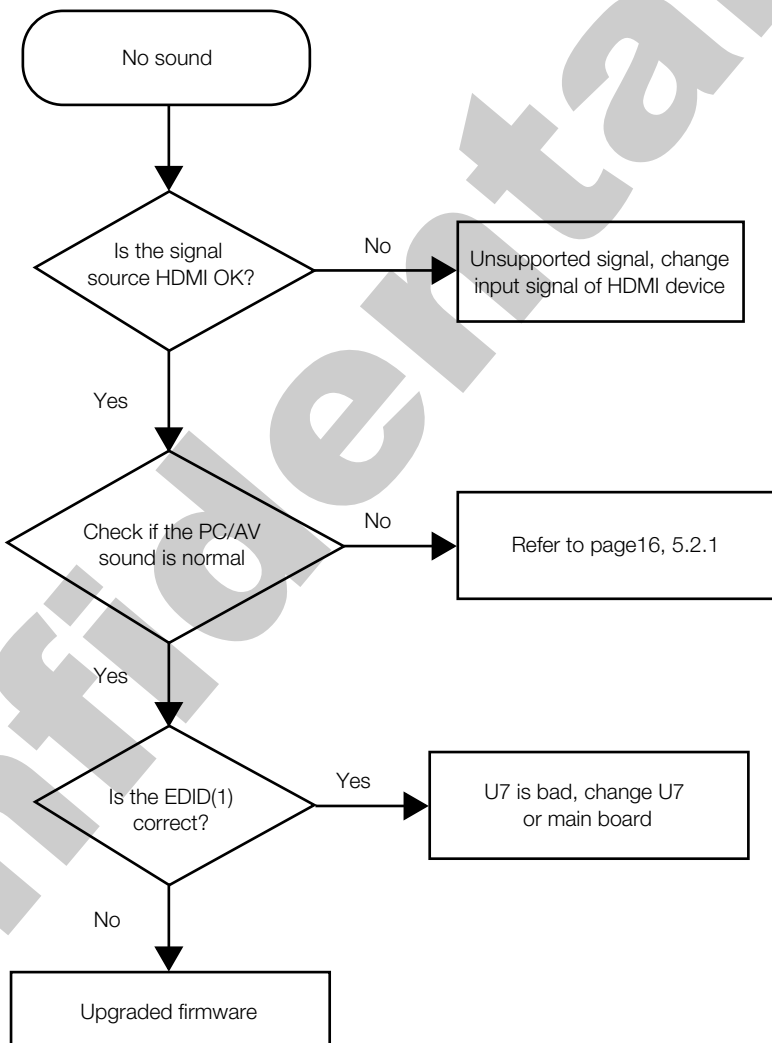
5.2.2 No sound (TV)



Chapter 5 Exception Handles

5.2 Audio Exceptions

5.2.3 No sound (HDMI)

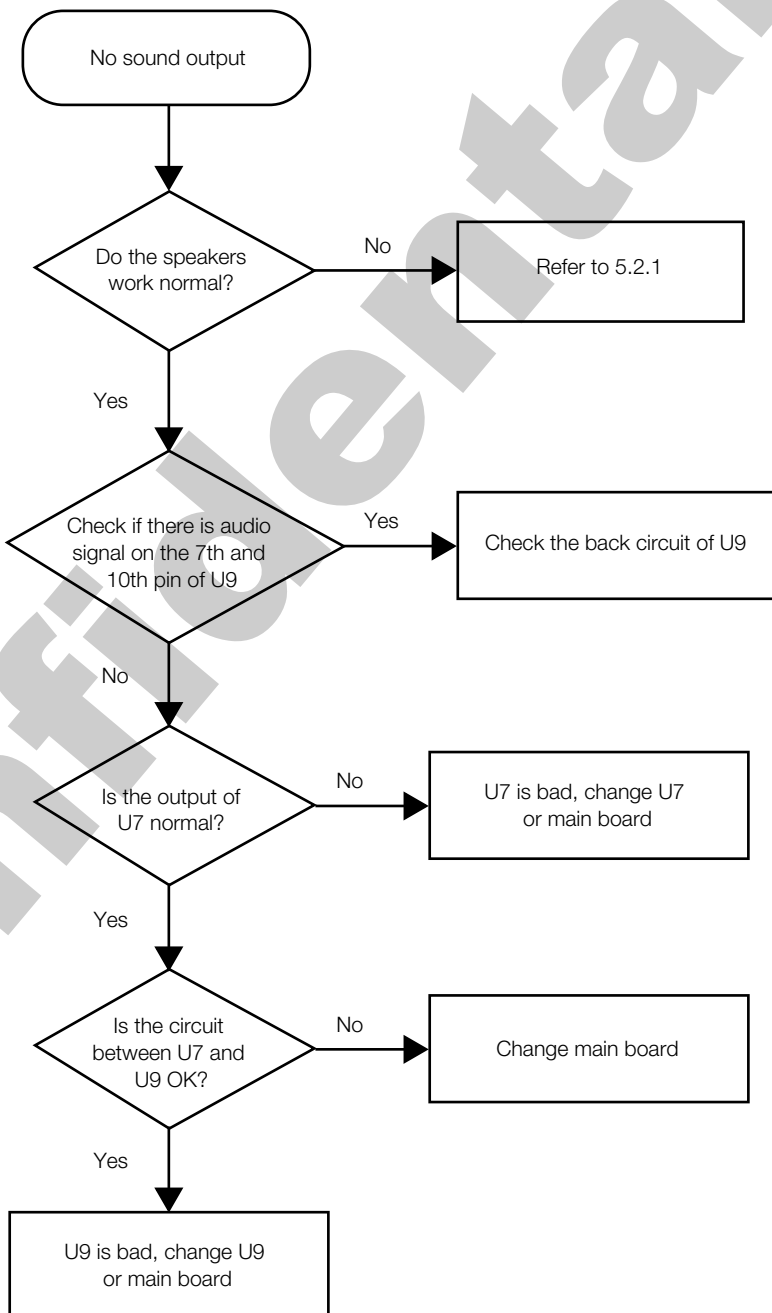


Note (1): EDID means Extended Display Identification Data

Chapter 5 Exception Handles

5.2 Audio Exceptions

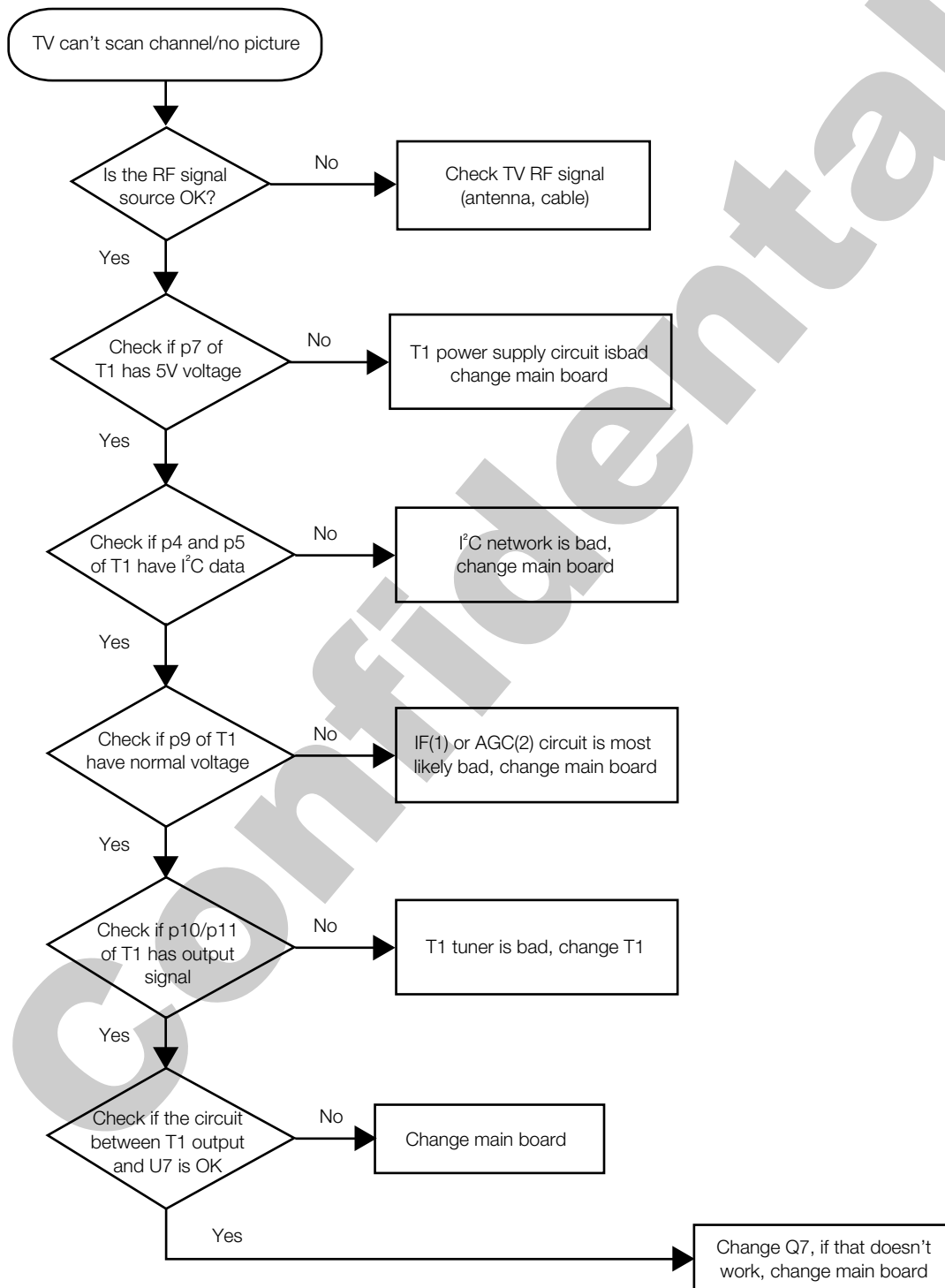
5.2.4 No sound output



Chapter 5 Exception Handles

5.3 Function Exceptions

5.3.1 TV function

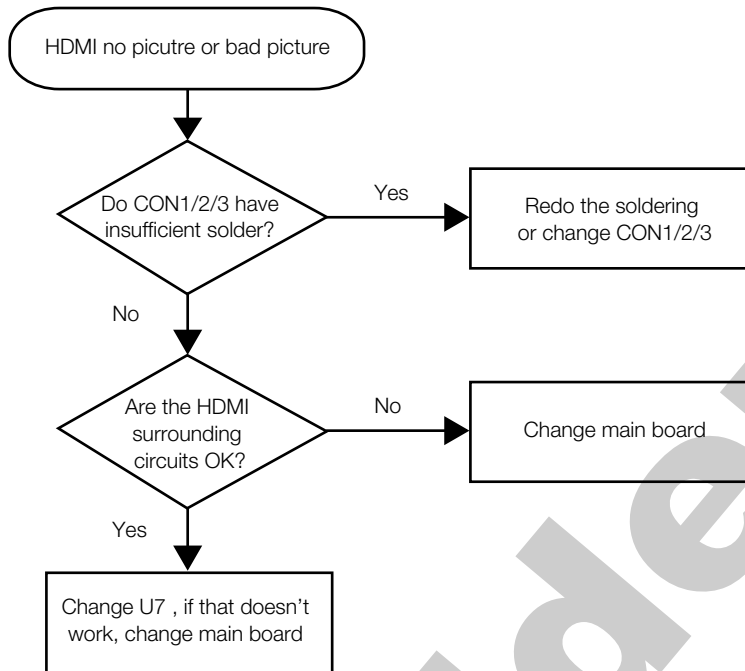


Note: (1) IF: Intermediate Frequency
(2) AGC: Automatic Gain Control

Chapter 5 Exception Handles

5.3 Function Exceptions

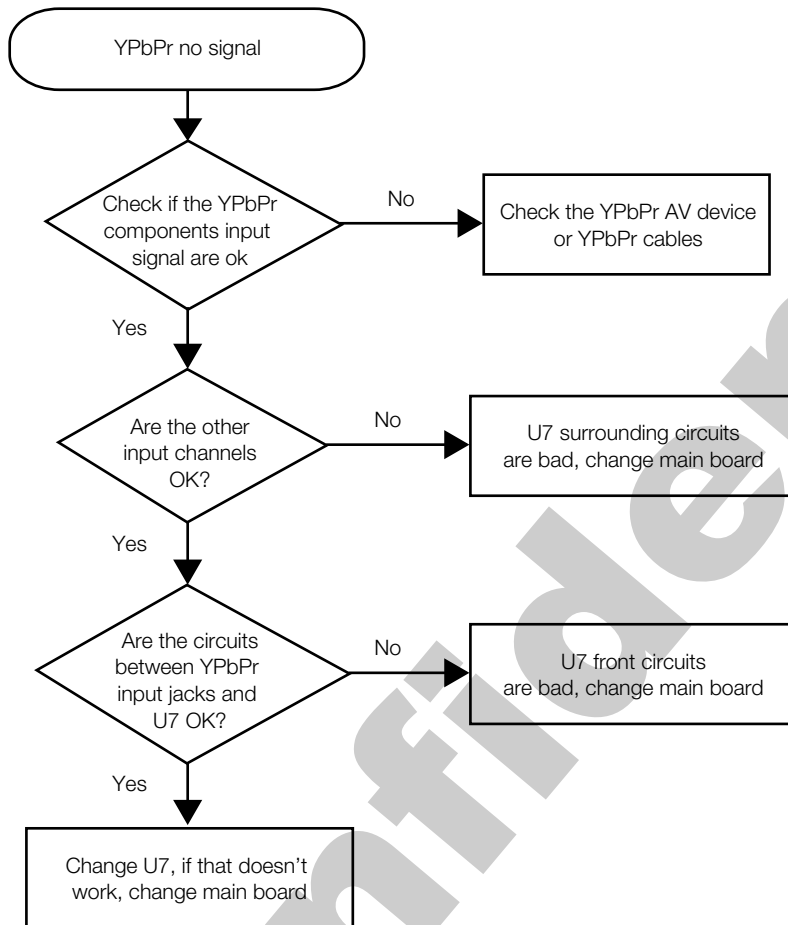
5.3.2 HDMI no picture



Chapter 5 Exception Handles

5.3 Function Exceptions

5.3.3 YPbPr no signal



Chapter 6 Firmware Upgrading

REC7 series main board has a USB SERVICE port, which is reserved for service use only. Please upgrade the firmware according to the instruction below.

6.1 Direct upgrading (do no need normal display)

STEP 1

Get an empty USB disk with size not larger than 2GB, copy firmware file (**CompBase.bin**, or **AllCompBase.bin**) to the root directry of disk.

Note: the size of USB disk can not be larger than 2GB, and before copying the firmware file, make sure the disk is empty. And the file must be placed in the root directry.

STEP 2

Turn off the TV, insert the USB disk into the SERVICE jack on the side panel of TV and then turn on the TV. After turned on, the TV's LED indicator will shine red and blue alternately. Wait for about one and half a minute to accomplish the upgrading.

Note: DO NOT power off or unplug the TV while upgrading.

6.2 Factory upgrading (need normal display)

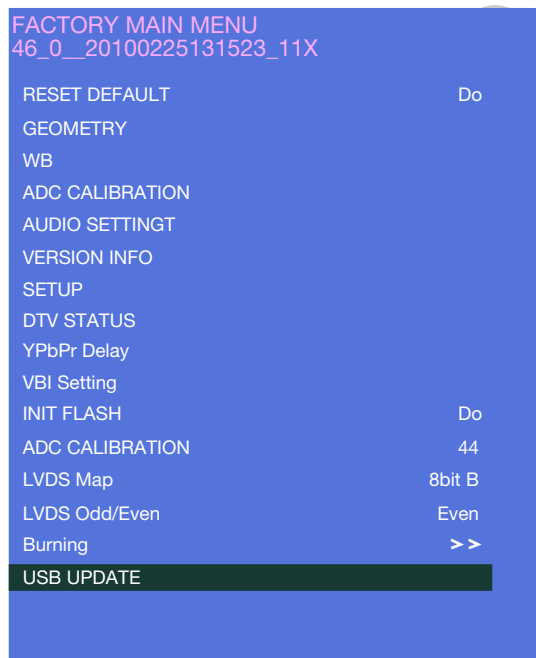
STEP 1

Get an empty USB disk with size not larger than 2GB, copy firmware file (**AllCompBase.bin only**) to the root directry of disk.

Note: the size of USB disk can not be larger than 2GB, and before copying the firmware file, make sure the disk is empty. And the file must be placed in the root directry.

STEP 2

Turn on the TV, insert the USB disk into the SERVICE jack on the side panel of TV. Then press the remote control buttons "MENU" → "1147" to enter factory menu (see below).

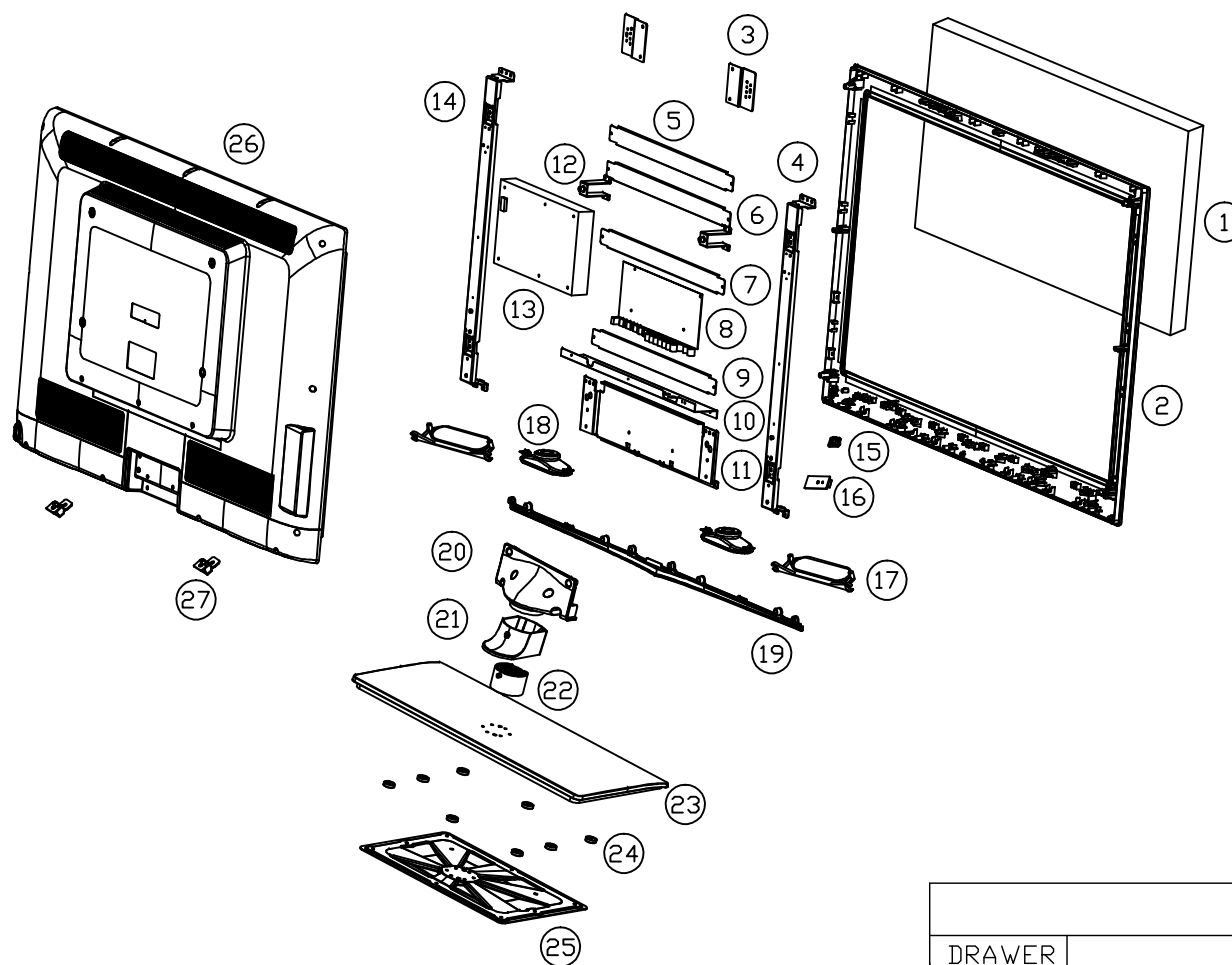


STEP 3

Choose "USB UPDATE" and press OK. If there are "CompBase.bin" and "AllCompBase.bin" in the disk at the same time, be sure to select "AllCompBase.bin" to update. The upgrading phenomenon is the same to direct upgrading.

Note: DO NOT power off or unplug the TV while upgrading, otherwise the upgrading will fail, and the main board will be unable to upgrade normally any more.

40" EXPLODE

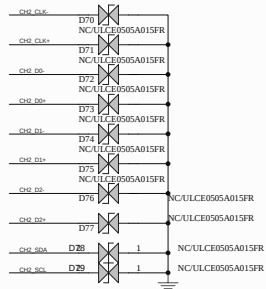
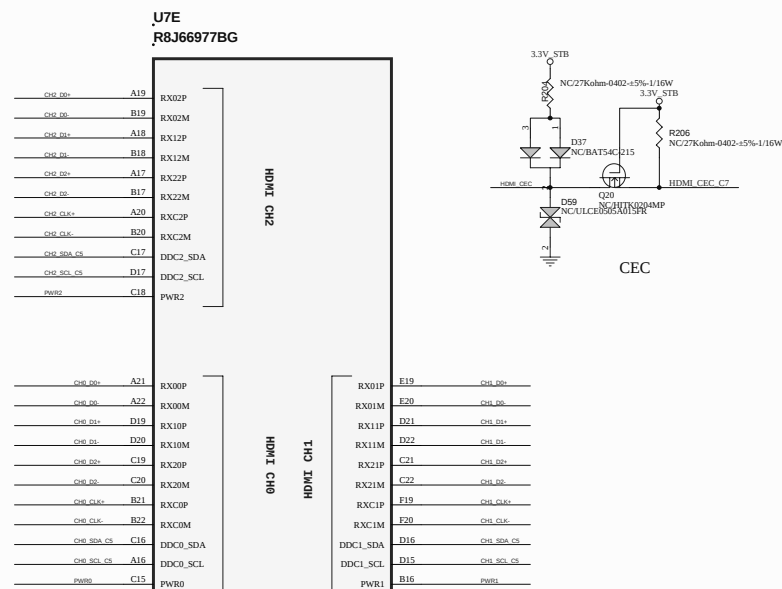
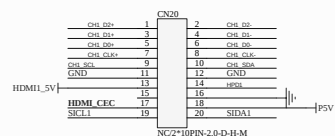


27	Wall Mount Parts	RW1132E0100	PCS	2
26	Back Cover	RR0240E01H0	PCS	1
25	Metal Base	RW0146E0102	PCS	1
24	Bottom Cushion	RS0437B1002	PCS	8
23	Base panel	RR0740E01H0	PCS	1
22	Base	RR1546E01H2	PCS	1
21	Base cover	RR0346E01H0	PCS	4
20	Base pillar	RR1546E01H0	PCS	1
19	Deck Strap	RR1640E010	PCS	1
18	speaker	RE261530458101	PCS	2
17	speaker cover	RR1840E0100	PCS	2
16	IR Board	RT1040E0101	PCS	1
15	Lens	RR1326B03T0	PCS	1
14	Panel bracket -left	RW0240E0100	PCS	1
13	Power Board	RE46AY2500	PCS	1
12	Wall Mount Parts	RW1140E0100	PCS	2
11	Connector Cover	RW1140E0101	PCS	1
10	Terminal cover	RW0440E0100	PCS	1
9	Main bracket -down	RW0940E0101	PCS	1
8	Main Board	RE01TC711LNA0	PCS	1
7	Main bracket -up	RW0940E0100	PCS	1
6	Power bracket -down	RW0940E0105	PCS	1
5	Power bracket -up	RW0940E0102	PCS	1
4	Panel bracket -right	RW0240E0101	PCS	1
3	Slip for Panel -up/down	RW1140E0102	PCS	2
2	Front Cover	RR0140E01H0	PCS	1
1	40" LCD panel	P400CM002	PCS	1
NO.	PART NAME	CUST P/N:	UNIT	AMOUNT

DRAWER			REV. V0
DATE	10/03/10	PART NAME:	
CHECKED		40" EXPLODE	FORM NO.
APPROVED		UNITS: MM	

定位孔





A

B

C

D

A

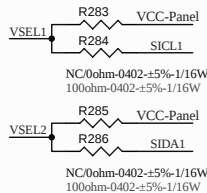
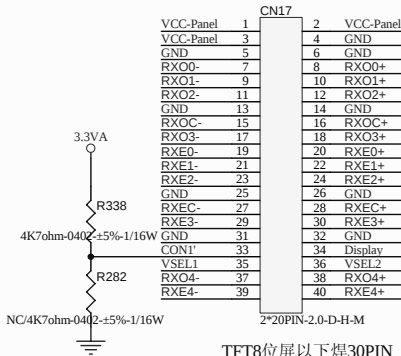
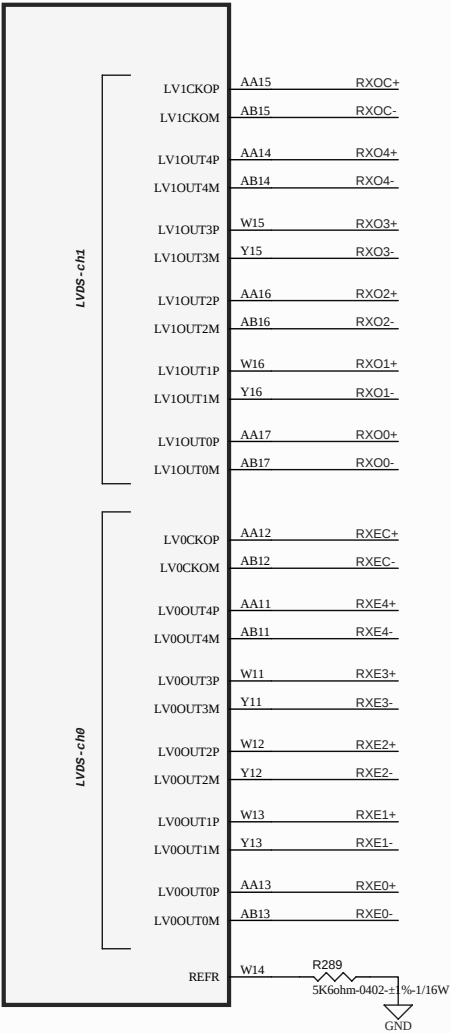
B

C

D

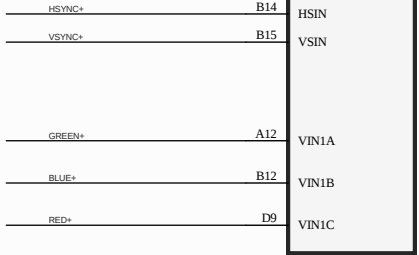
U7K

R8J66977BG



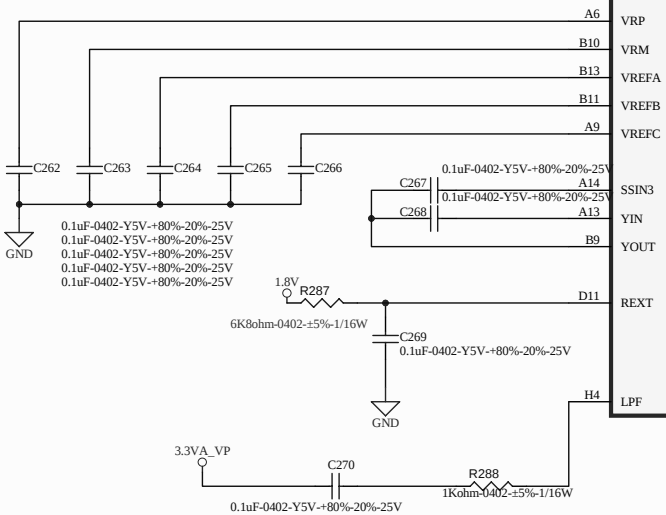
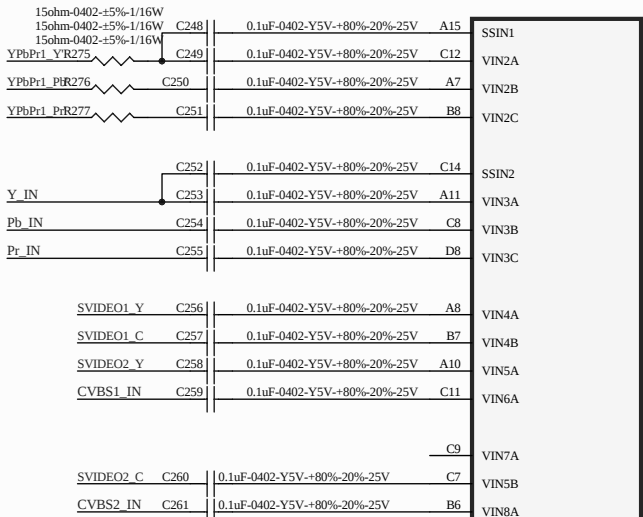
U7D

R8J66977BG



U7C

R8J66977BG



A

B

C

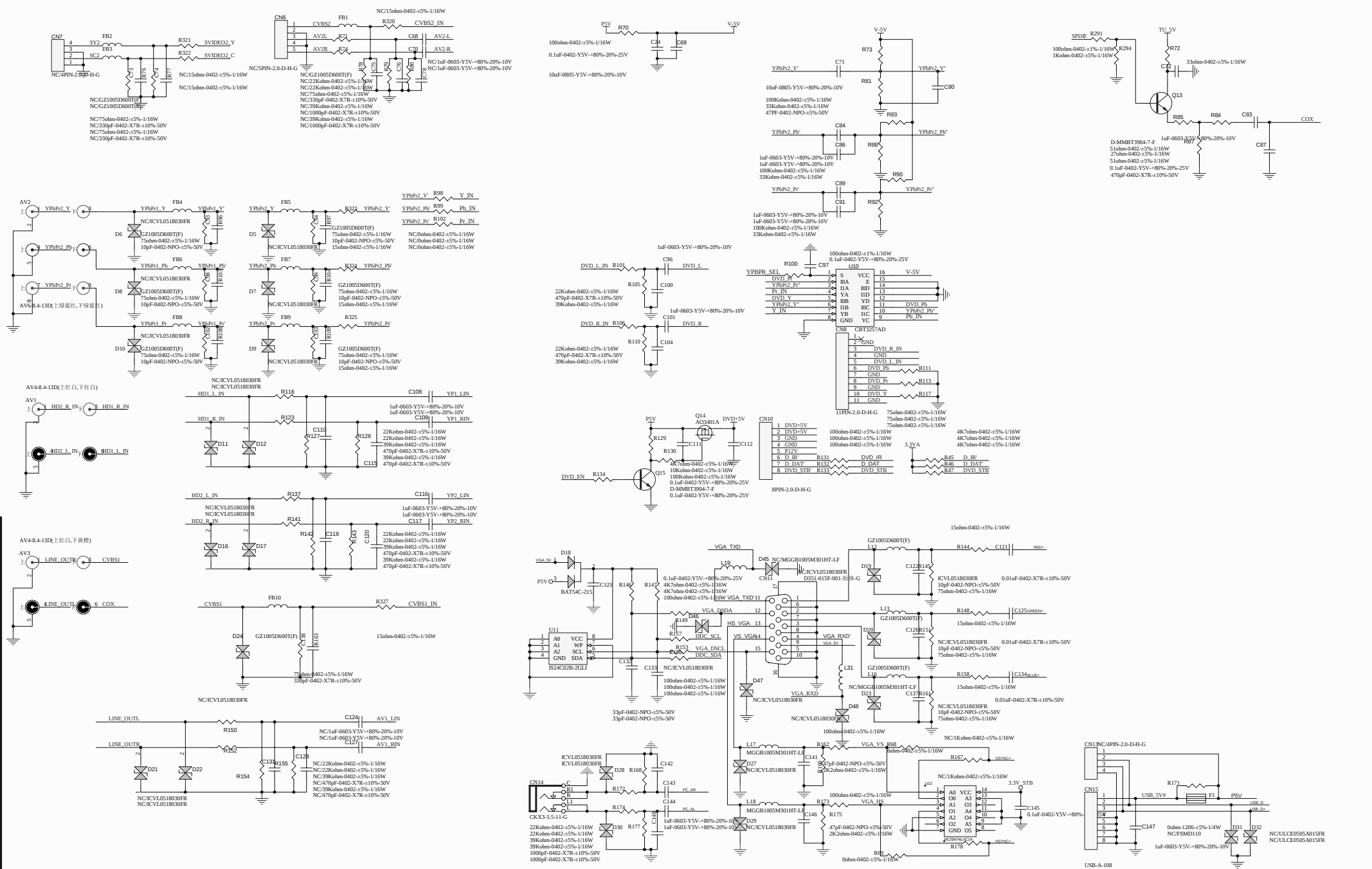
D

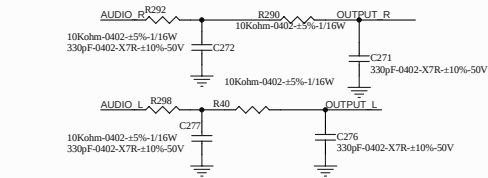
A

B

C

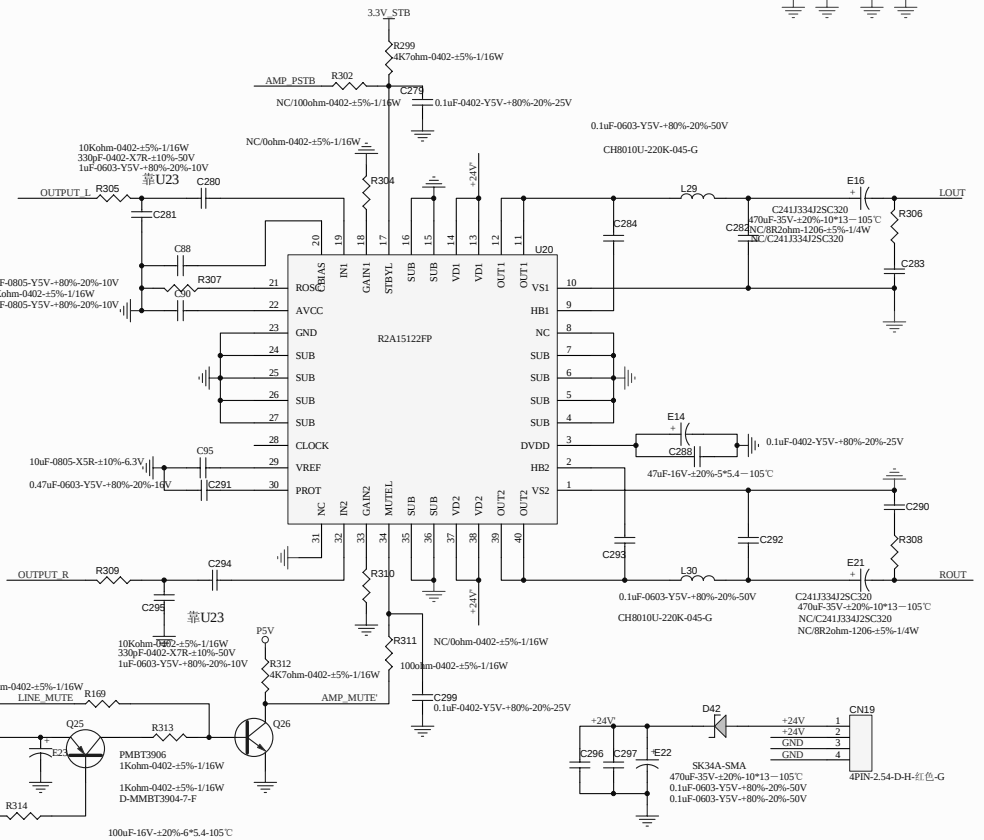
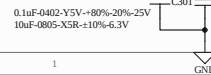
D

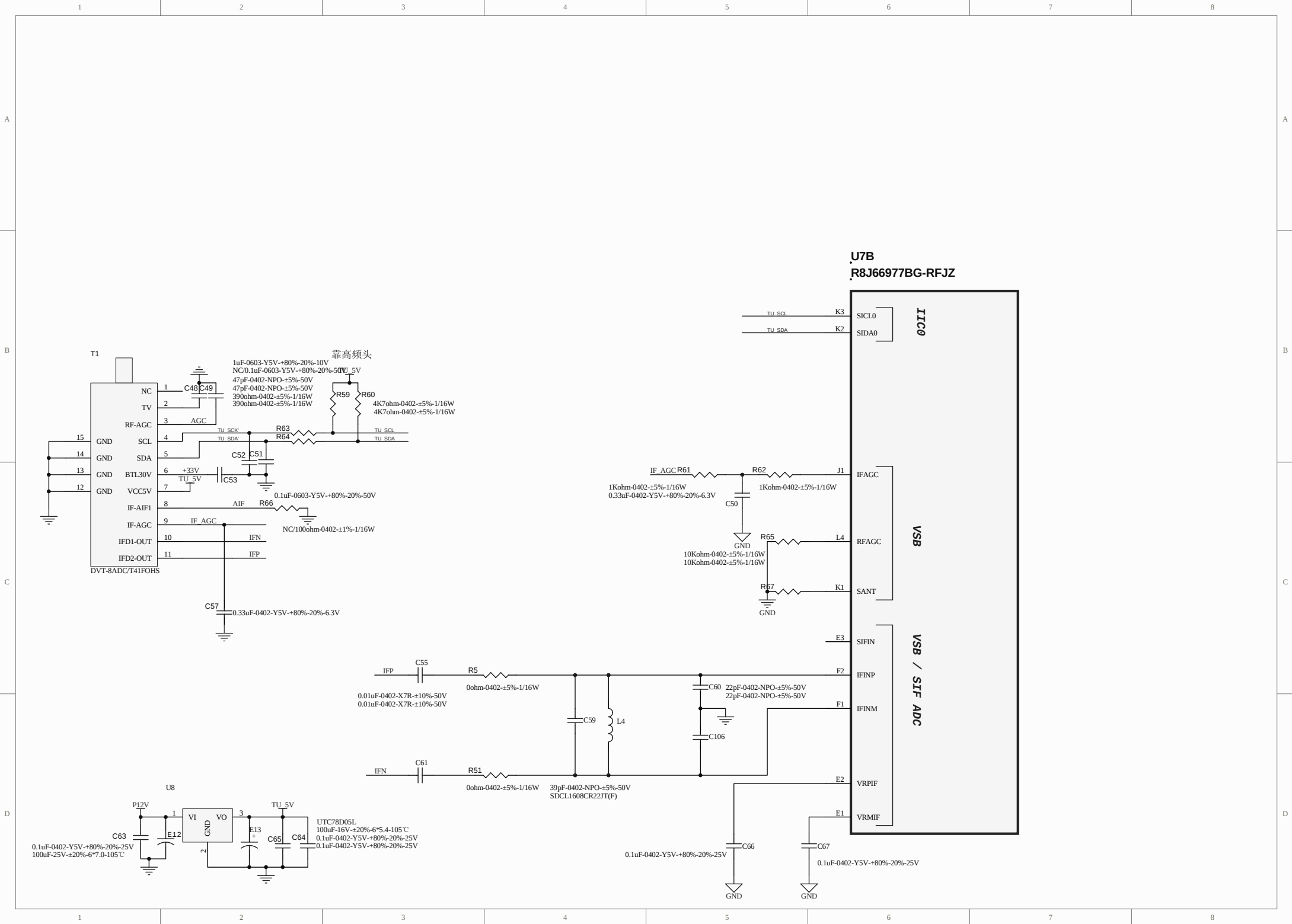


[illegible]

Audio ADC	AIN0	C4	YP1_LIN
	AINR0	B5	YP1_RIN
	AIN1	C3	YP2_LIN
	AINR1	B4	YP2_RIN
	AIN2	C1	AV1_LIN
	AINR2	A2	AV1_RIN
	AIN3	C2	PC_AL
	AINR3	A3	PC_AR
	AIN4	B2	AV2-L
	AINR4	A4	AV2-R
AIN5	B1	DVD_L	
AINR5	A5	DVD_R	
AINRT	B3		
VCOM_ADC	A1		

0.1uF-0.002-Y5V-+80%-20%-25V
10uF-0805-X5R-+10%-6.3V





PCB Layout for C7 Mainboard

