



SERVICE MANUAL

Product Type: LCD TV
Chassis: KT Chassis
Manual Series:
Manual Part#: 9219KK4410
Model Line:
Product Year:

CONTENTS

Product Safety Servicing Guidelines.....2
Remote Control Unit.....3
Main Unit (Front View/Side View/Rear View).....4
Specifications.....6
Alignment Instructions.....7
Software Upgrade Instructions.....14
Working Principle Analysis.....19
Block Diagram.....20
Wiring Diagram.....21
Schematic Diagram.....22
Exploded View.....31
Exploded View Parts List.....32
9219KK4410 Replacement Parts List.....33
Printed Circuit Board.....56
Troubleshooting Guides.....57

Product Safety Servicing Guidelines

ATTENTION: This service manual is only for service personnel to take reference with. Before servicing please read the following points carefully.

CAUTION: Do not attempt to modify this product in any way.
Never perform customized installations without manufacturer's approval.
Unauthorized modifications will not only void the warranty, but may lead to property damage or user injury.

Service work should be performed only after you are thoroughly familiar with these safety checks and servicing guidelines.

AC voltage must be 120V +/-10%, otherwise the power board will be burned out with AC 220V supply.

GRAPHIC SYMBOLS



The exclamation point within an equilateral triangle is intended to alert the service personnel to important safety information in the service literature.



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the service personnel to the presence of noninsulated "dangerous voltage" that may be of sufficient magnitude to constitute a risk of electric shock.

INSTRUCTIONS

Be sure to switch off the power supply before replacing or welding any components or inserting/plugging in connection wire. Anti static measures must be taken (throughout the entire production process!):

- Do not touch here and there by hand at will;
- Be sure to use anti static electric iron;
- It's necessary for the welder to wear anti static gloves.

Please refer to the part list before replacing components that have special safety requirements. Do not replace with different components with different specs and type at will.

LCD SERVICING PRECAUTIONS

- Screens are different from one model to another and therefore not interchangeable. Be sure to use the screen of the original model for replacement.
- The operation voltage of LCD screen is 700-825V. Be sure to take proper measures in protecting yourself and the machine when testing the system in the course of normal operation or right after the power is switched off. Please do not touch the circuit or the metal part of the module that is in operation mode. Relevant operation is possible only one minute after the power is switched off.
- Do not use any adapter that is not identical with the TV set. Otherwise it will cause fire or damage to the set.
- Never operate the set or do any installation work in bad environment such as wet bathroom, laundry, kitchen, or nearby fire source, heating equipment and devices or exposure to sunlight etc. Otherwise bad effect will result.
- If any foreign substance such as water, liquid, metal slices or other matters happens to fall into the module, be sure to cut the power off immediately and do not move anything on the module lest it should cause fire or electric shock due to contact with the high voltage or short circuit.

- Should there be smoke, abnormal smell or sound from the module, please shut the power off at once. Likewise, if the screen is not working after the power is on or in the course of operation, the power must be cut off immediately and no more operation is allowed under the same condition.
- Do not pull out or plug in the connection wire when the module is in operation or just after the power is off because in this case relatively high voltage still remains in the capacitor of the driving circuit. Please wait at least one minute before the pulling out or plugging in the connection wire.
- When operating or installing LCD please don't subject the LCD components to bending, twisting or extrusion, collision lest mishap should result.
- As most of the circuitry in LCD TV set is composed of CMOS integrated circuits, it's necessary to pay attention to anti statics. Before servicing LCD TV make sure to take anti static measure and ensure full grounding for all the parts that have to be grounded.
- There are lots of connection wires between parts behind the LCD screen. When servicing or moving the set please take care not to touch or scratch them. Once they are damaged the screen would be unable to work and no way to get it repaired.
- If the connection wires, connections or components fixed by the thermotropic glue need to disengage when service, please soak the thermotropic glue into the alcohol and then pull them out in case of damage.
- Special care must be taken in transporting or handling it. Exquisite shock vibration may lead to breakage of screen glass or damage to driving circuit. Therefore it must be packed in a strong case before the transportation or handling.
- For the storage make sure to put it in a place where the environment can be controlled so as to prevent the temperature and humidity from exceeding the limits as specified in the manual. For prolonged storage, it is necessary to house it in an anti-moisture bag and put them altogether in one place. The ambient conditions are tabulated as follows:

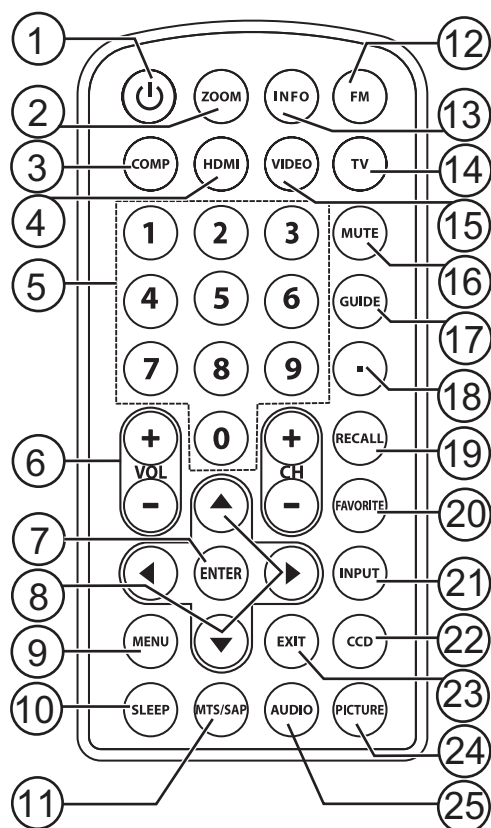
Temperature	Scope for operation	0 ~ +50 °C
	Scope for storage	-20 ~ +60 °C
Humidity	Scope for operation	20% ~ 85%
	Scope for storage	10% ~ 90%

- Display of a fixed picture for a long time may result in appearance of picture residue on the screen, as commonly called "ghost shadow". The extent of the residual picture varies with the maker of LCD screen. This phenomenon doesn't represent failure. This "ghost shadow" may remain in the picture for a period of time (several minutes). But when operating it please avoid displaying still picture in high brightness for a long time.

Points for attention during installation

- The front panel of LCD screen is of glass. When installing it please make sure to put it in place.
- For service or installation it's necessary to use specified screw lest it should damage the screen.
- Be sure to take anti dust measures. Any foreign substance that happens to fall down between the screen and the glass will affect the receiving and viewing effect
- When dismantling or mounting the protective partition plate that is used for anti vibration and insulation please take care to keep it in intactness so as to avoid hidden trouble.
- Be sure to protect the cabinet from damage or scratch during service, dismantling or mounting.

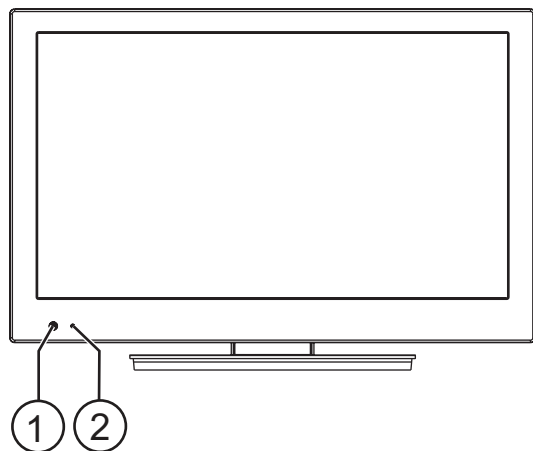
Remote Control Unit



- ① (power) Press to turn your TV on or off (standby mode). When your TV is turned off, power still flows into it. To disconnect all power, unplug the power cord.
- ② ZOOM Press to select the aspect ratio of the picture. You can select **Normal**, **Zoom**, **Wide**, **Cinema**, or **Auto Zoom**. For more information, see "Adjusting the TV picture" on page 16.
- ③ COMP Press to select a component input source. Press once for **Component 1**. Press twice for **Component 2**.
- ④ HDMI Press to select an HDMI input source. Press once for **HDMI 1**. Press twice for **HDMI 2**. Press three times for **HDMI 3**.
- ⑤ Numbers Press to directly enter channel or FM radio frequency numbers, or to enter the Parental Control password.
- ⑥ VOL +/VOL - Press to increase or decrease the volume.
- ⑦ ENTER Press to confirm selections in an on-screen menu, or to open a submenu.
- ⑧ Press to navigate within the on-screen menus. For more information, see "Navigating the menus" on page 14.
- ⑨ MENU Press to open the on-screen menus. For more information, see "Navigating the menus" on page 14.
- ⑩ SLEEP Press to set the sleep timer. For more information, see "Setting the sleep timer" on page 27.
- ⑪ MTS/SAP Press to select the audio mode. For analog channels, you can select **STEREO**, **SAP** (secondary audio program), or **MONO**.
For digital channels, you can select the audio track (if more than one track is available). For more information, see "Selecting the audio mode" on page 18.
- ⑫ FM Press to switch to FM radio mode. For more information, see "Switching to FM mode" on page 29.
- ⑬ INFO Press to display the information banner.
- ⑭ TV Press to select TV mode.
- ⑮ VIDEO Press to select a video input source. Press once for **AV1**. Press twice for **AV2**. Press three times for **S-VIDEO1**. Press four times for **S-VIDEO2**.
- ⑯ MUTE Press to turn off the sound. Press again to restore the sound.
- ⑰ GUIDE Press to display program guide information (if available) for DTV broadcasts.
- ⑱ (dot) Press to enter a program number for a digital sub-channel. For more information, see "Digital sub-channels" on page 15.
- ⑲ RECALL Press to return to the last channel viewed.
- ⑳ FAVORITE Press to display your favorite channel list. For more information, see "Setting up a favorite channel list" on page 20.
- ㉑ INPUT Press to display the input source menu. For more information, see "Selecting the video input source" on page 13.
- ㉒ CCD Press to turn on closed captioning. For more information, see "Turning closed captioning on or off" on page 25.
- ㉓ EXIT Press to exit the on-screen menu.
- ㉔ PICTURE Press to select the picture mode. For more information, see "Adjusting the TV picture" on page 16.
- ㉕ AUDIO Press to select the audio mode. For more information, see "Selecting the audio mode" on page 18.

Main Unit (Front View/Side View/Rear View)

Front

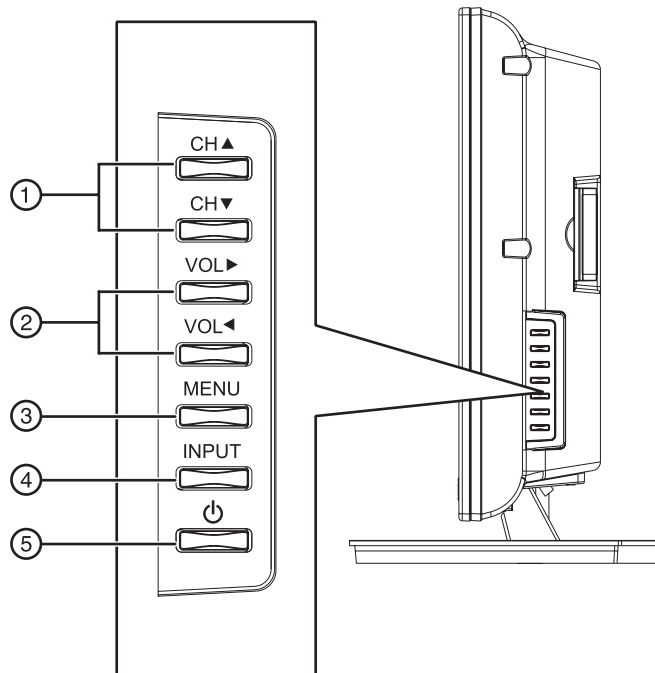


① Remote control sensor

② Power indicator

Lights blue when your TV is on. Lights red when your TV is off (standby mode). When your TV is off, power still flows into it. To disconnect all power, unplug the power cord.

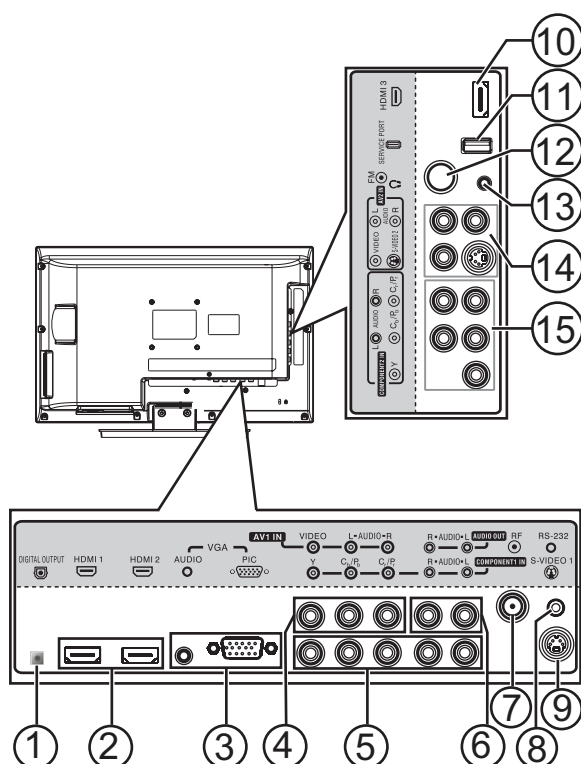
Side buttons



- | | |
|---|--|
| ① CH ▲/CH ▼ | Press to go to the next or previous channel in the channel list. |
| ② VOL ▲/VOL ▼ | Press to decrease or increase the volume. |
| ③ MENU | Press to open the on-screen menu. |
| ④ INPUT | Press to open the <i>Input Source</i> menu and select the video input source. |
| ⑤  (power) | Press to turn your TV on or off (standby mode). When your TV is turned off, power still flows into it. To disconnect all power, unplug the power cord. |

Main Unit (Front View/Side View/Rear View)

Back



- ① DIGITAL OUTPUT
Connect a digital optical cable to this jack to output a digital audio signal to a digital audio amplifier. For more information, see "Connecting a digital sound system" on page 12.
- ② HDMI1/HDMI2
Connect an HDMI device, such as a cable box or DVD player, to this jack. An HDMI cable carries both video and audio, so you do not need to make an audio connection. For more information, see "Connecting an HDMI device" on page 10.
- ③ VGA AUDIO/VGA PIC
Connect the audio and video outputs from your computer to these jacks. For more information, see "Connecting a computer" on page 11.
- ④ AV1 VIDEO and L/R AUDIO
Connect the video and audio output from an AV device to this jack. For more information, see "Connecting a VCR" on page 9.
- ⑤ COMPONENT1 IN Y, Cb/Pb, Cr/Pr and L/R AUDIO
Connect the video and audio output from a component video device to these jacks. For more information, see "Connecting a component video device" on page 10.
- ⑥ AUDIO OUT L/R
Connect these jacks to an external audio amplifier to hear your TV sound through a stereo amplifier. For more information, see "Connecting an audio amplifier" on page 11.
- ⑦ RF
Connect an antenna, cable TV, or cable/satellite box output cable to this jack. For more information, see "Connecting an antenna, cable TV, or satellite TV box" on page 9.
- ⑧ RS-232
For service only. Do not use.
- ⑨ S-VIDEO 1
Connect the S-Video output from a video device such as a DVD player, camcorder, or game console to this jack. For more information, see "Connecting a VCR" on page 9.
- ⑩ HDMI 3
Connect an HDMI device, such as a cable box or DVD player, to this jack. An HDMI cable carries both video and audio, so you do not need to make an audio connection. For more information, see "Connecting an HDMI device" on page 10.
- ⑪ SERVICE PORT
Service port for upgrading firmware. Do not use.
- ⑫ FM
Connect the 75 ohm coaxial cable from an FM antenna to this jack.
- ⑬ (headphone)
Connect headphones to this jack. For more information, see "Connecting headphones" on page 12.
- ⑭ AV2 IN VIDEO/S-VIDEO2 and L/R AUDIO
Connect the video and audio output from an AV device to this jack. For more information, see "Connecting a camcorder or game" on page 10.
- ⑮ COMPONENT2 IN Y, Cb/Pb, Cr/Pr and L/R AUDIO
Connect the video and audio output from a component video device to these jacks. For more information, see "Connecting a component video device" on page 10.

SPECIFICATIONS

TV type	LCD
TV panel	19-inch TFT LCD
TV system	NTSC-M, ATSC
Channels	VHF: 2 - 13 UHF: 14 - 69 CATV: 1 - 125 CADTV: 1-135 DTV: 2 - 69
Audio multiplex	BTSC system
Audio output	5W × 2
Power requirement	AC 120 V, 60 Hz
Power consumption	35 W
Dimensions	18.1 × 12.5 × 9.84 inches (19") (460 × 318 × 250 mm)
Weight	10.14 lbs. (4.6 kg)
Input terminals	Composite video/left and right audio (2) S-Video (2) Component video/left and right audio (2) HDMI (3) VGA/audio (1) FM antenna (1) Antenna (1)
Output terminals	Headphone jack (1) Audio output (1) Digital output (1)
Control terminals	RS-232 (1) Service Port (1)
FM radio presets	50
FM frequency range	87.0~107.9 MHz

Note:

1. Design and specifications are subject to change without notice.
2. Weight and dimensions shown are approximate.
3. Specifications and external appearance may be changed for the sake of improvement.

Alignment Instruction

Alignment equipment

VG848 (YPbPr、VGA signal generator)

VG849 (HDMI signal generator)

CA210 (white balance apparatus)

Alignment flow

Test the voltage of power supply

According to the wiring diagram “9219KK4401JL”, connect main board, FM board, power board, IR board and key board correctly, then turn on the main power supply and press the key “standby”.

a) Test the voltage of each pin of socket X602 in turn, please refer the voltage to the Table 1;

Table 1 Voltage of each pin of X602

X602	Pin1	2	3	4、5	6、7	8	9	10	11	12	13
Voltage	3.0 V~ 5.0 V	1.0 V~ 3.3 V	0	15.0 V~ 16.0 V	0	0~ 1.0 V	4.7 V~ 5.3 V	0	4.7 V~ 5.3 V	0	4.5 V~ 5.3 V

Alignment Instruction

Alignment flow chart

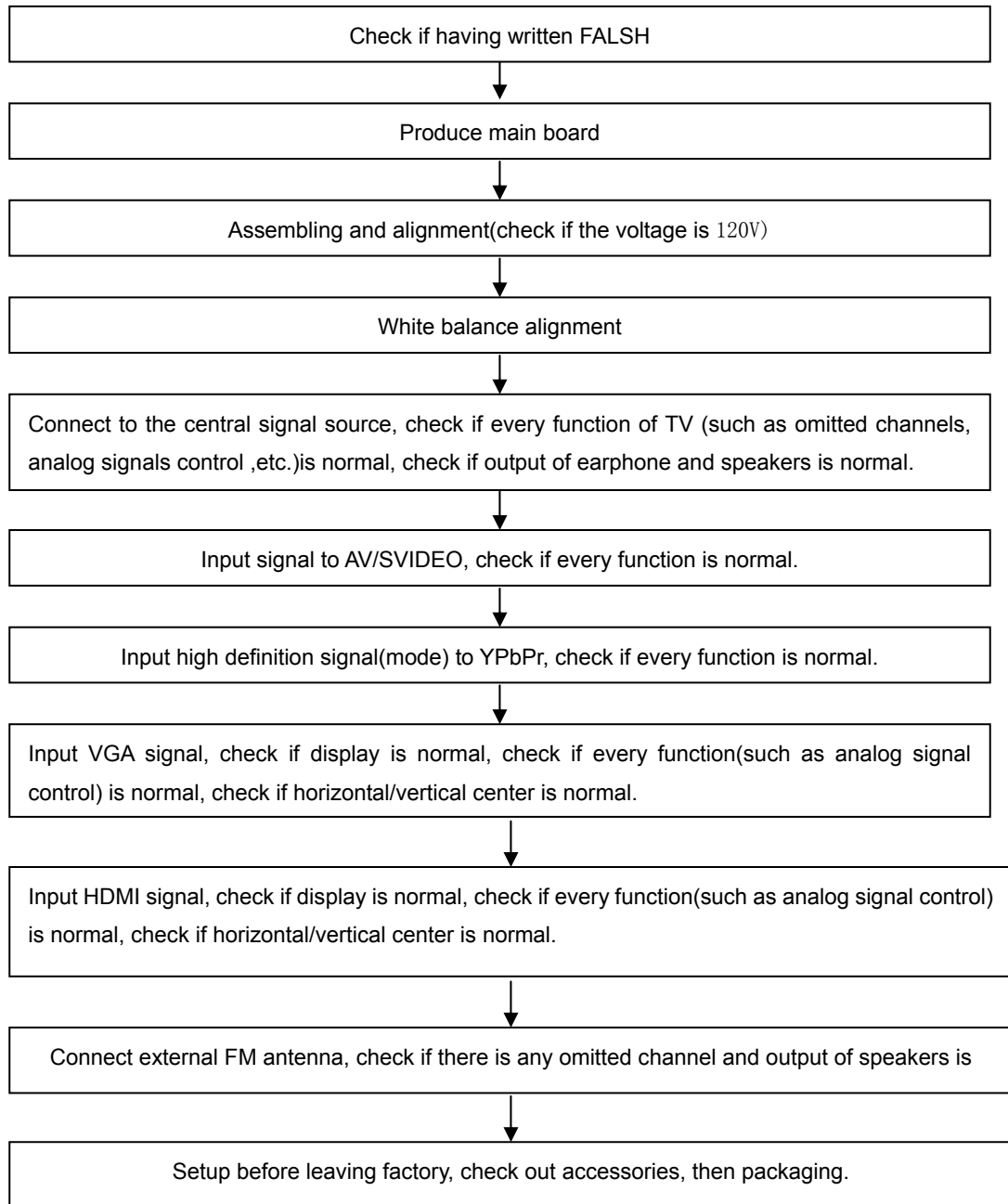


Fig.1 Alignment flow chart

Alignment Instruction

Alignment instruction

Unit adjustment

According to wiring diagram “9219KK4401JL”, connect main board, FM board, power board, key board and IR board correctly, connect to AC120V power supply, then power on the set, check if display is normal.

Factory menu using method

- a) First press key “INPUT”, then press number keys “2、5、8、0” in turn to enter initial class factory menu;
- b) Press keys “CH+” and “CH-”, move cursor to each adjustment page of initial class factory menu, then press key “ENTER” to enter into adjustment menu of each adjustment page;
- c) Press keys “CH+” and “CH-” to move cursor upwards or downwards within any adjustment page;
- d) Move cursor to any adjustment item, press key “VOL-” or “VOL+” to adjust it;
- e) Press key “MENU” to return to initial menu from any page of adjustment menu;
- f) Press key “EXIT” to exit factory menu at any time;按 “EXIT”
- g) Set item “Aging Mode” as “On” to enter into factory-aging mode;

White balance adjustment

Pre-adjustment

The set should be working for over 30 minutes before white balance adjustment so that it can be in a stable state. Use white balance apparatus CA210 and change to BBY channel to adjust white balance;

Only need to adjust chromaticity coordinates when color temperature is 10000K (namely “COOL”) for the unit. To meet testing requirements of BBY when color temperature is 8000K or 6500K, make sure chromaticity coordinates of bright scale is $X=280 \pm 5$ $Y=288 \pm 5$, chromaticity coordinates of dark scale is $X=280 \pm 8$ $Y=288 \pm 8$;

Manual adjustment of both groups of white balance datum

YPbPr white balance adjustment

ADC correction:

Input signal with format of 720P/60 Hz and content of SMPTE color bar plus gray scale (Timing of VG848 is 976, PAT is 984); enter into page “Auto Color” of factory menu, set item “Source” as “VG848”, set item “Test Pattern” as “SMPTE Color Bar”, then select item “Start to do auto color”, press key “Enter”, the picture will twinkle for a moment and then return to normal, a prompt of “Auto Color Successful” will be displayed, that is, ADC correction is completed; press key “Menu” to return to the superior menu;

White balance adjustment:

The set should be working for over 30 minutes before white balance adjustment so that it can be in a stable state. Use apparatus CA210 and change to CH2 channel, input signal with format of 720P/60 Hz and content of 16 gray-scale, enter into page “White Balance/Color Temp” of factory menu, fix item “Green Gain”, adjust items “Red Gain、Blue Gain” to set chromaticity coordinates

Alignment Instruction

of the 13th scale as (280、288) ;fix item “Green Offset”, adjust items “Red Offset、Blue Offset” to set chromaticity coordinates of the 4th scale as (280、288) . Repeat adjust items “Red Gain、Blue Gain” and “Red Offset、Blue Offset” until chromaticity coordinates of both gray scales are (280、288) , the error of dark scale should be within ± 8 and the error of bright scale should be within ± 5 ; then press key “Menu” to return to the superior menu.

Check if color temperature of “NORMAL” and “WARM” is normal (the error of dark scale should be within ± 8 , the error of bright scale should be within ± 5); otherwise adjust item “Color Temp NORMAL” and “Color Temp WARM” to meet requirements and then save them.

Note: Should not need to adjust white balance if panel has good coincidence indicator.

VGA white balance alignment

ADC correction:

Input signal with format of 640×480/60 Hz and content of 16 gray-scale (Timing of VG848 is 1, PAT is 921); enter into “Auto Color” page of factory menu, set item “Source” as “VG848”, then select item “Start to do auto color” and press key “Enter”, the picture will twinkle for a moment and then return to normal, a prompt of “Auto Color Successful” will be displayed, that is, ADC correction is completed; press key “Menu” to return to the superior menu;

White balance adjustment:

The set should be working for over 30 minutes before white balance adjustment so that it can be in a stable state. Use apparatus CA210 and change to CH2 channel, input signal with format of 640×480/60 Hz and content of 16 gray-scale, enter into page “White Balance/Color Temp” of factory menu, fix item “Green Gain”, adjust items “Red Gain、Blue Gain” to set chromaticity coordinates of the 13th scale as (280、288) ;fix item “Green Offset”, adjust items “Red Offset、Blue Offset” to set chromaticity coordinates of the 4th scale as (280、288) . Repeat adjust items “Red Gain、Blue Gain” and “Red Offset、Blue Offset” until chromaticity coordinates of both gray scales are (280、288) , the error of dark scale should be within ± 8 and the error of bright scale should be within ± 5 ; then press key “Menu” to return to the superior menu.

Check if color temperature of “NORMAL” and “WARM” is normal (the error of dark scale should be within ± 8 , the error of bright scale should be within ± 5); otherwise adjust item “Color Temp NORMAL” and “Color Temp WARM” to meet requirements and then save them.

Note: Should not need to adjust white balance if panel has good coincidence indicator.

Auto white balance adjustment

Pre-ADC correction

Enter into factory menu, set item “InputSource” as “Component1\Component2”, input signal with format of 720P/60 Hz and content of SMPTE color bar plus gray scale (Timing of VG848 is 976, PAT is 984), then enter into page “Auto Color”, set item “Source” as “VG848”, set item “Test Pattern” as “SMPTE Color Bar”, then select item “Start to do auto color”, press key “Enter”, the picture will twinkle for a moment and then return to normal, a prompt of “Auto Color Successful” will be displayed, that is, ADC correction is completed; press key “Menu” to return to the superior menu; then set item “InputSource” as “VGA”, input signal with format of 640×480/60 Hz and content of 16 gray-scale(Timing of VG848 is 1, PAT is 921), follow above steps to complete ADC correction.

Alignment Instruction

Auto white balance adjustment

The set should be working for over 30 minutes before white balance adjustment so that it can be in a stable state. Connect CA210 to USB port of a computer with a data line, connect VG848 and TV to COM port or virtual COM port of a computer respectively (default connection is that VG848 to COM5 and TV to COM1; enter into administrator window with password "xoceco" to change the default connection if necessary and then save it); be sure to output VG848 signal to AV2、YPbPr2、VGA、HDMI3 ports of TV.

Open file "White_Balance.exe", load config file "AdjustConfig.txt", then connect CA210、VG848、TV respectively according to the indication of interface prompt .(note: set probe as "0-CAL" before connecting to CA210, then press item "connect to CA210", set probe as "MEAS" when a prompt "CA-210 connection and correction are normal" is displayed on the left-bottom side; default channel for CA210 is CH02 BBY; enter into administrator window with password "xoceco" to change the default setting if apparatus is different and then save it.)

Press item "auto white balance adjustment", auto-adjustment will be completed when a prompt "adjusting successfully" is displayed.

Performance checkout

TV function

Input central signal to RF port, first enter menu "CHANNELS", then auto-search channels to check if there is any omitted channel; check if output of speakers is normal; check if picture is normal, especially make sure that the channels have been found must include ATSC and NTSC signals.

AV/S-Video interface

Input signal to AV/S port respectively, check if picture and sound are normal.

YPbPr/YCbC port

Input YUV signal with format listed as Table2 respectively from VG848 signal generator, check if picture and sound are normal.

Alignment Instruction

Table 2 YUV signal format

No.	definition	horizontal frequency kHz	vertical frequency Hz	dot pulse frequency MHz	memo
1	720×480i@59.94/60 Hz	15.734	59.94/60	13.5	480i(59.94/60p)
2	720 × 480p@59.94/60 Hz	31.469	59.94/60	27.00	480p(59.94/60p)
3	1280 × 720p@59.94/60 Hz	44.96	59.94/60	74.18	720p(59.94/60p)
4	1920 × 1080i@59.94/60 Hz	33.75	59.94	74.25	1080i(59.94/60i)
5	1920 × 1080p@23.98/24 Hz	27.00	23.98/24	74.25	1080i(23.98/24p)
6	1920 × 1080p@59.94/60 Hz	67.50	59.94/60	148.50	1080p(59.94/60p)

VGA port

Input VGA signal with format listed as Table3 respectively from VG848 signal generator, check if picture and sound are normal. If there is any error, please enter into menu “SETTINGS” and select item “Computer Settings” to correct it automatically.

Table 3 VGA signal format

No.	definition	horizontal frequency kHz	vertical frequency Hz	dot pulse frequency MHz	memo
1	720 × 400@70 Hz	31.47	70.08	28.32	DOS
2	640 × 480@60 Hz	31.50	60.00	25.18	VESA
3	800 × 600@60 Hz	37.90	60.00	40.00	VESA
4	1024 × 768@60 Hz	48.40	60.00	65.00	VESA
5	1280 × 1024@60 Hz	63.98	60.02	108.00	VESA(only for Full HD panel)
6	1360 × 768@60 Hz	47.71	60.01	85.50	VESA(only for 1366X768 panel)
7	1920 × 1080@60 Hz	67.16	59.96	173.00	VESA(only for Full HD panel)

Alignment Instruction

HDMI port

Input HDMI signal with format listed as Table2 respectively from VG849 signal generator, check if picture and sound are normal.

FM port

Connect to FM external antenna, enter into FM menu to auto-search channels, check if there is any omitted channel; check if output of speakers is normal.

Note: The place of TV set or antenna would have an effect on searching channels under the circumstances of weak signal input.

User menu setup before leaving factory

Enter into factory menu, select item "Reset to default", the machine will preset items of user menu automatically before leaving factory. Be sure to do this step after alignment in the factory.

Software writing instruction

Table 4 software writing instruction

location number	part number	part model	software function instruction	software writing before SMT	software writing method
N109	5272532004	W25X32VSS	FLASH	YES	writing with ALL11,etc.

Software Upgrade Instruction

The model can be upgraded from port of USB or RS232. Upgraded from USB is recommended for only a U disk is needed and upgrading speed is faster. Upgraded from RS232 can be used under the circumstances of failure to be upgraded from USB. Besides a computer and a serial line are needed, upgrading speed from RS232 is slower.

Upgraded from USB

Copy upgrading file “zTVApp_rom_aes.ecc” to the root directory of a U disk. Be sure that there is only one file with name “.ecc” in the U disk:

1. Connect to AC power supply, power on the set and wait until the set works normal;
2. Insert the U disk to USB port and a figure will be displayed as Fig.1 ;

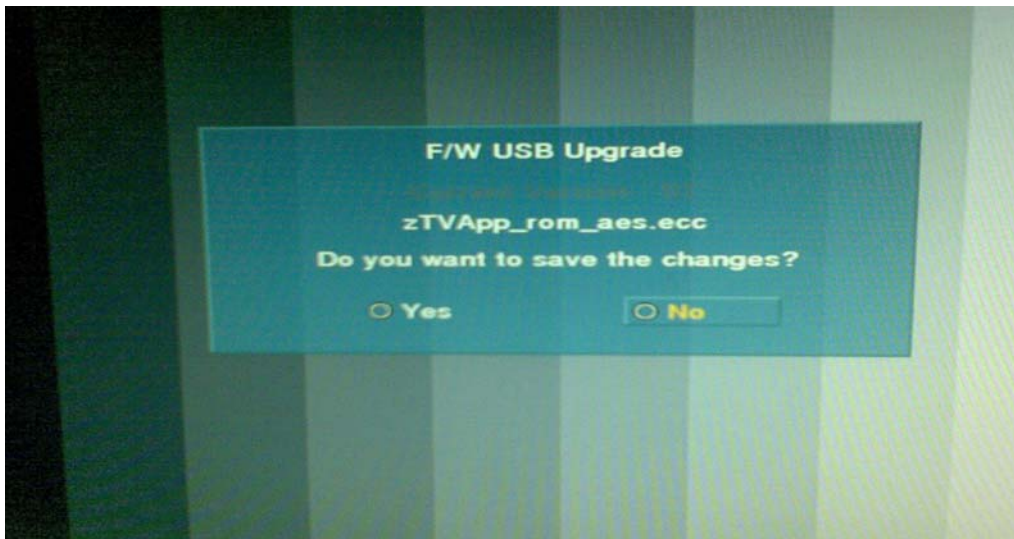


Fig. 1

If there is not a figure displayed as Fig.1 after insert the U disk, please pull out the U disk and insert it again; if a figure as Fig.1 can not be displayed in any case, please power off/on the set again and check out upgrading files and the U disk;

3. Select item “YES” and press button “OK”, the set will be upgraded automatically for about a few minutes, then a figure as Fig.2 will be displayed after upgrading successfully;

Software Upgrade Instruction



Fig. 2

4. Power off the AC power supply, pull out the U disk, then power on the set again to complete the upgrading process.

Upgraded from RS232

A computer and a serial line are needed. Online upgrading tool can be used with file "iDev.exe" of Zoran. Upgrading process will last for a little long time.

1. Connect the serial line correctly (transferred by a earphone line), then open the upgrading file "iDev.exe" ;



Software Upgrade Instruction



Fig. 3

1. Press button “setup” as Fig. 4;

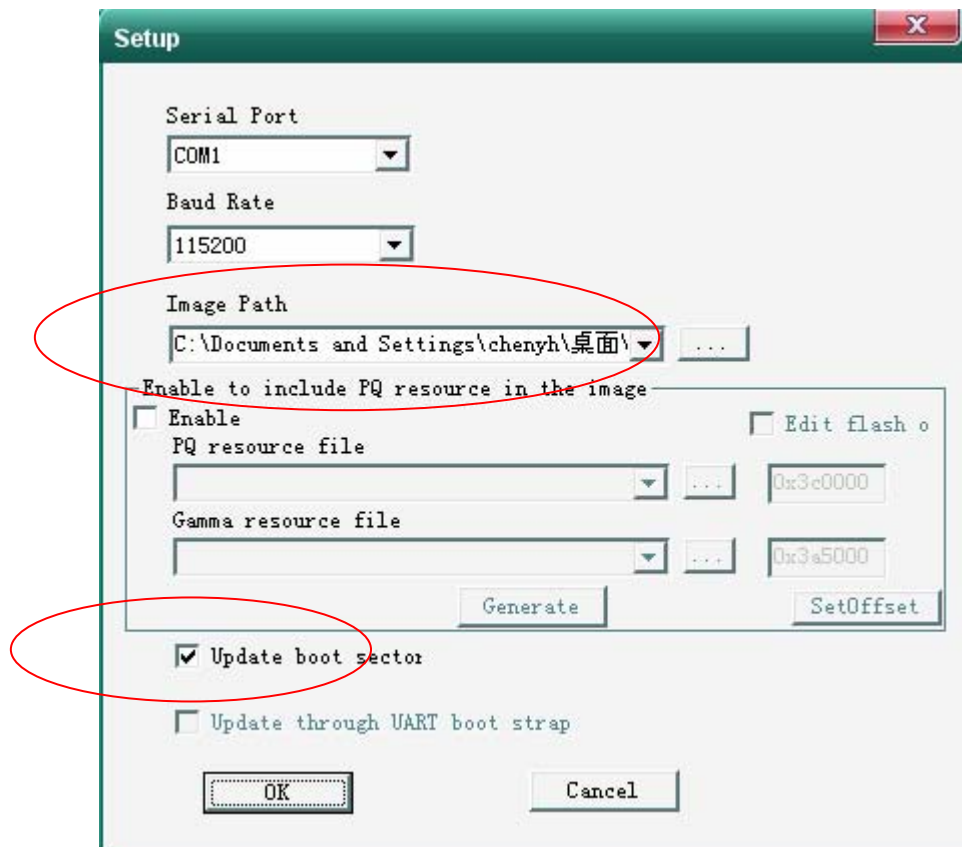


Fig. 4

Setup items “Serial Port” and “Baud Rate” correctly, select “Image Path” as Fig. 4 to load upgrading file “zTVApp_rom_aes.ecc”, select item “Update boot sector”, press button “OK”, then return to display a figure as Fig. 3;

Software Upgrade Instruction

3. Press button “down” as Fig. 5;



Fig. 5

A figure will be displayed as Fig. 6 if serial port has been occupied;

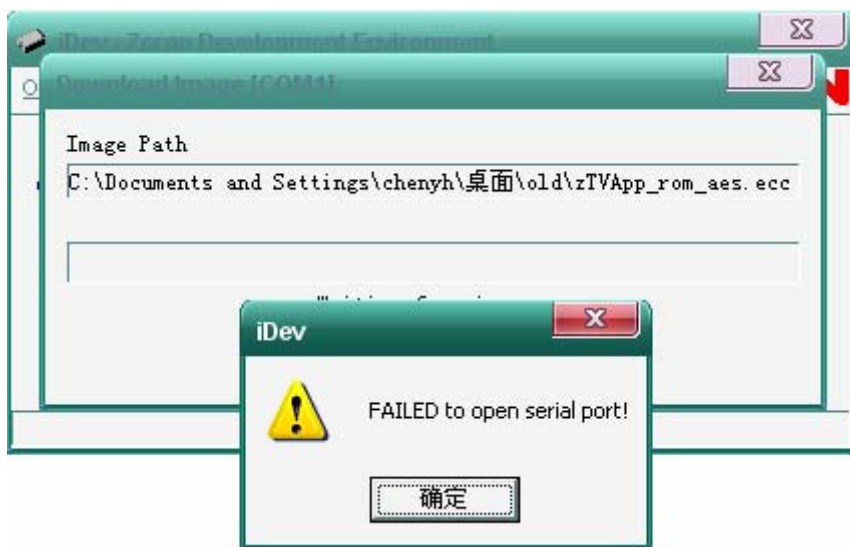


Fig. 6

Now first close the software which is occupying serial port, then press button “down” again;

Software Upgrade Instruction

4. Power off/on the set again, then begin upgrading process as Fig. 7;

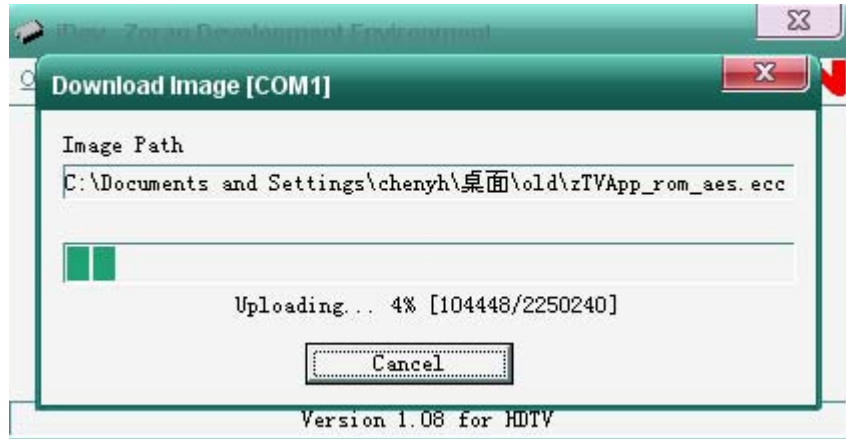


Fig. 7

5. It will take a few minutes to upgrade until a figure as Fig. 8 displayed;

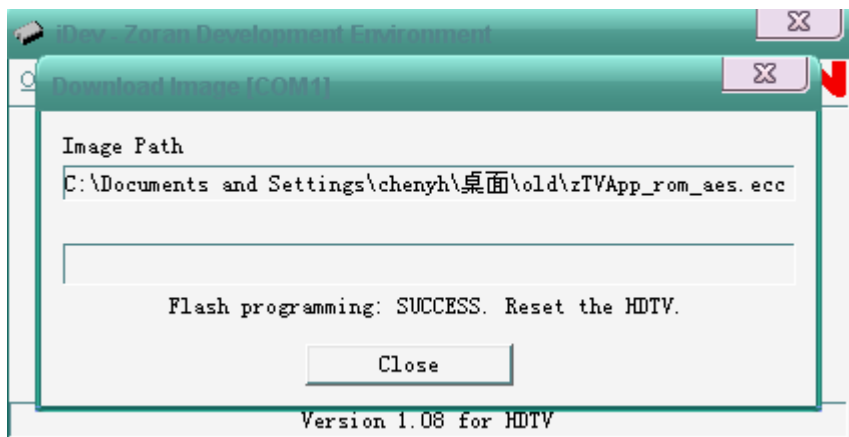


Fig. 8

6. Power off the AC power supply, then power on the set again to complete the upgrading process.

Working Principle Analysis

TV channel

The signal is inputted to TUNER and then to IF from RF. IF signal is inputted to main chip to be demodulated by NTSC, ATSC and BTSC sections respectively, all of demodulation are completed within main chip.

HDMI, AV, SV, YPBPR and VGA signals are inputted to main chip directly without any outside switch and EEPROM.

FM radio channel

FM signal is inputted from external antenna, then analog audio signal processed by chip Si4702 is outputted to main chip.

USB channel

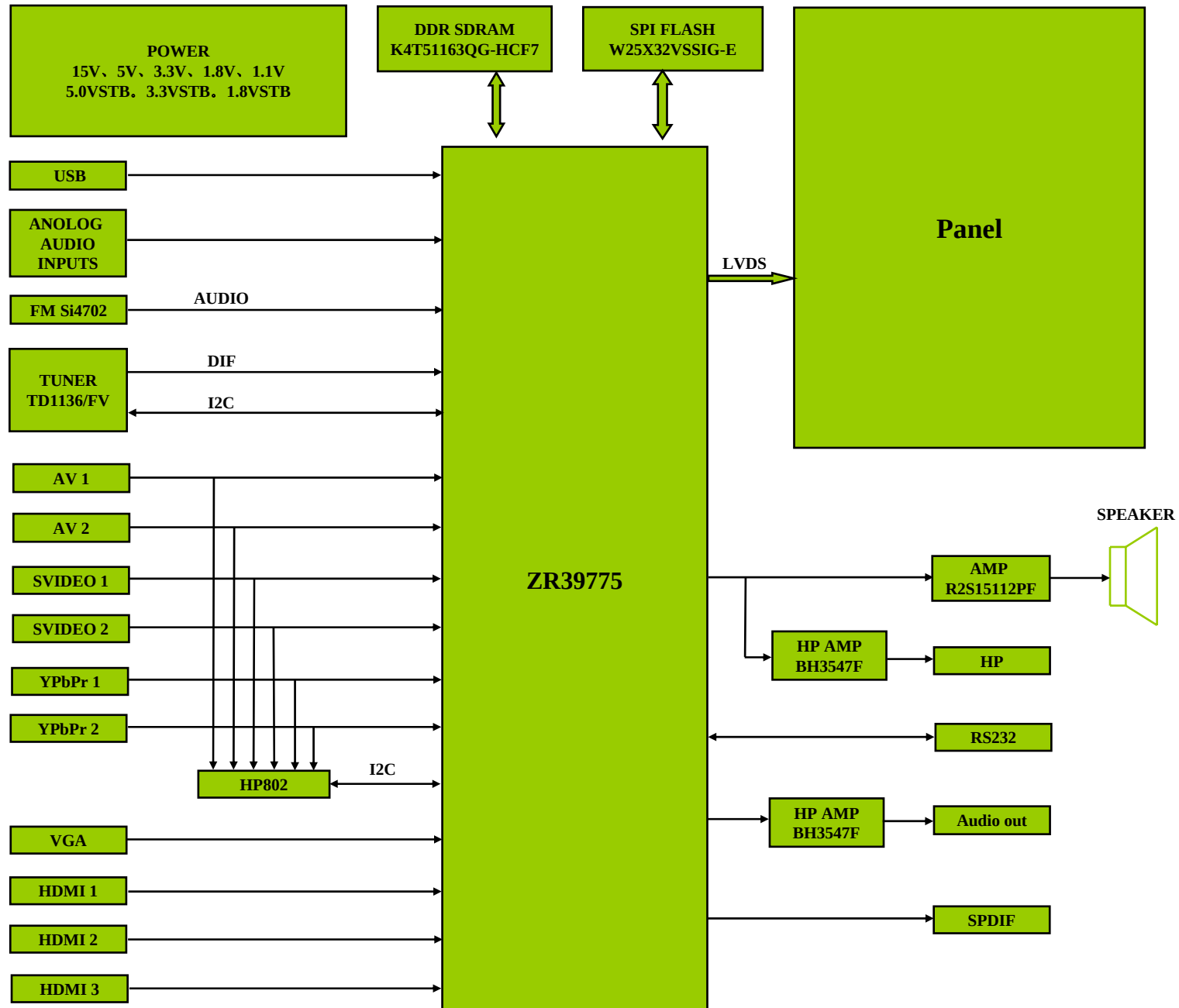
Only used to upgrade software without other functions developed

Sound

Both analog audio signals are outputted from main chip, signal of channel 1 is outputted to speakers after amplified by power amplifier, signal of channel 2 is outputted to Audio Out after amplified by earphones amplifier.

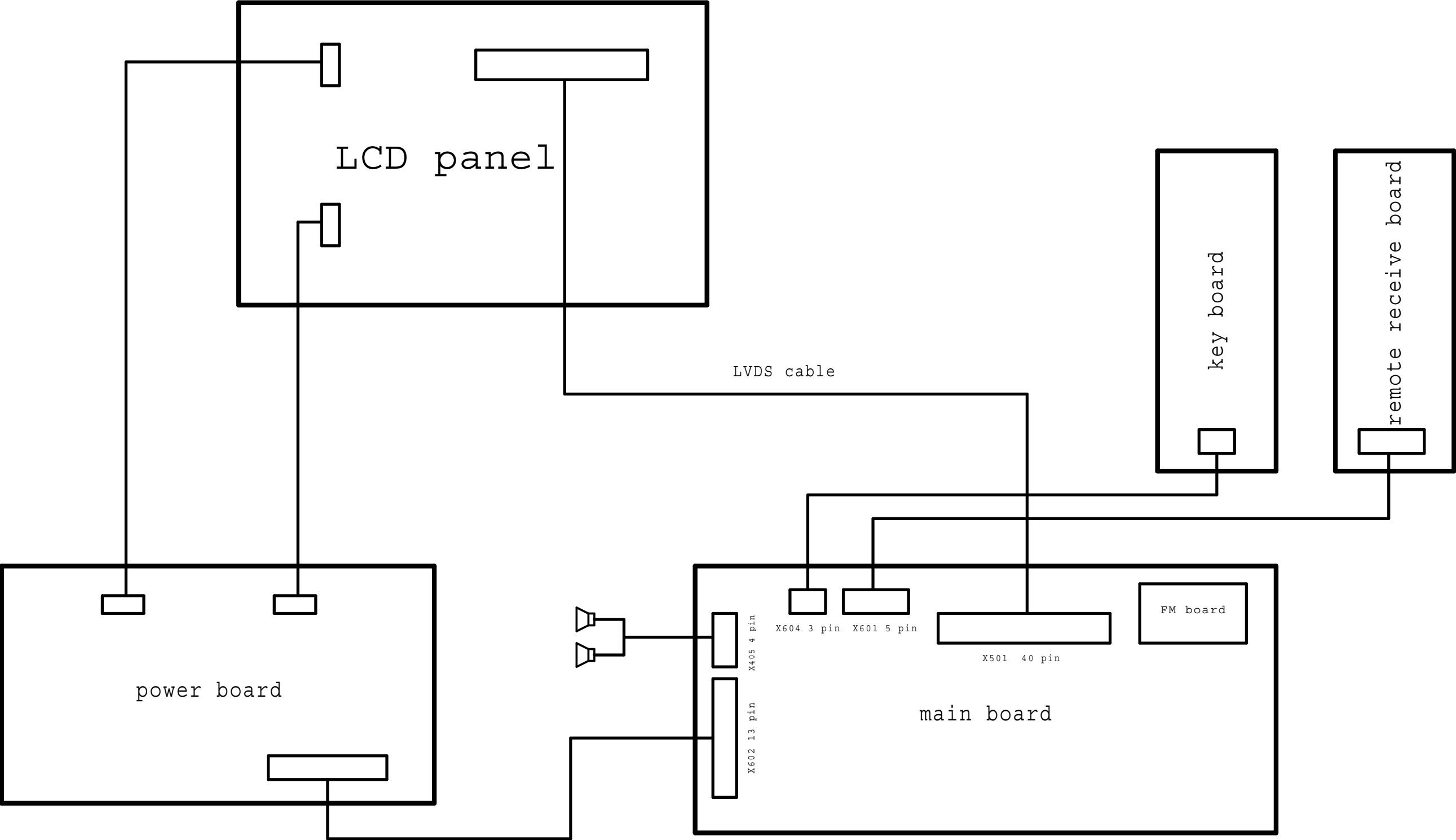
LC-19KK44

Block Diagram



LC-I9KK44

Wiring Diagram



1

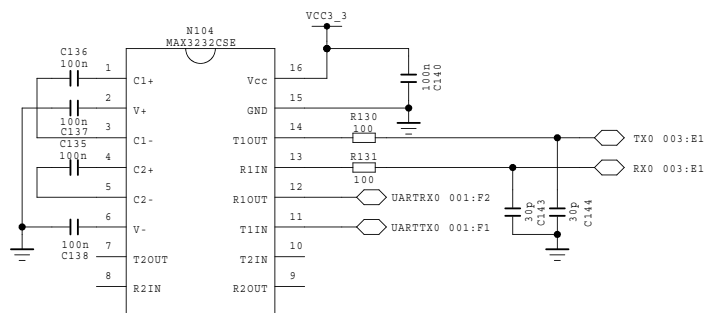
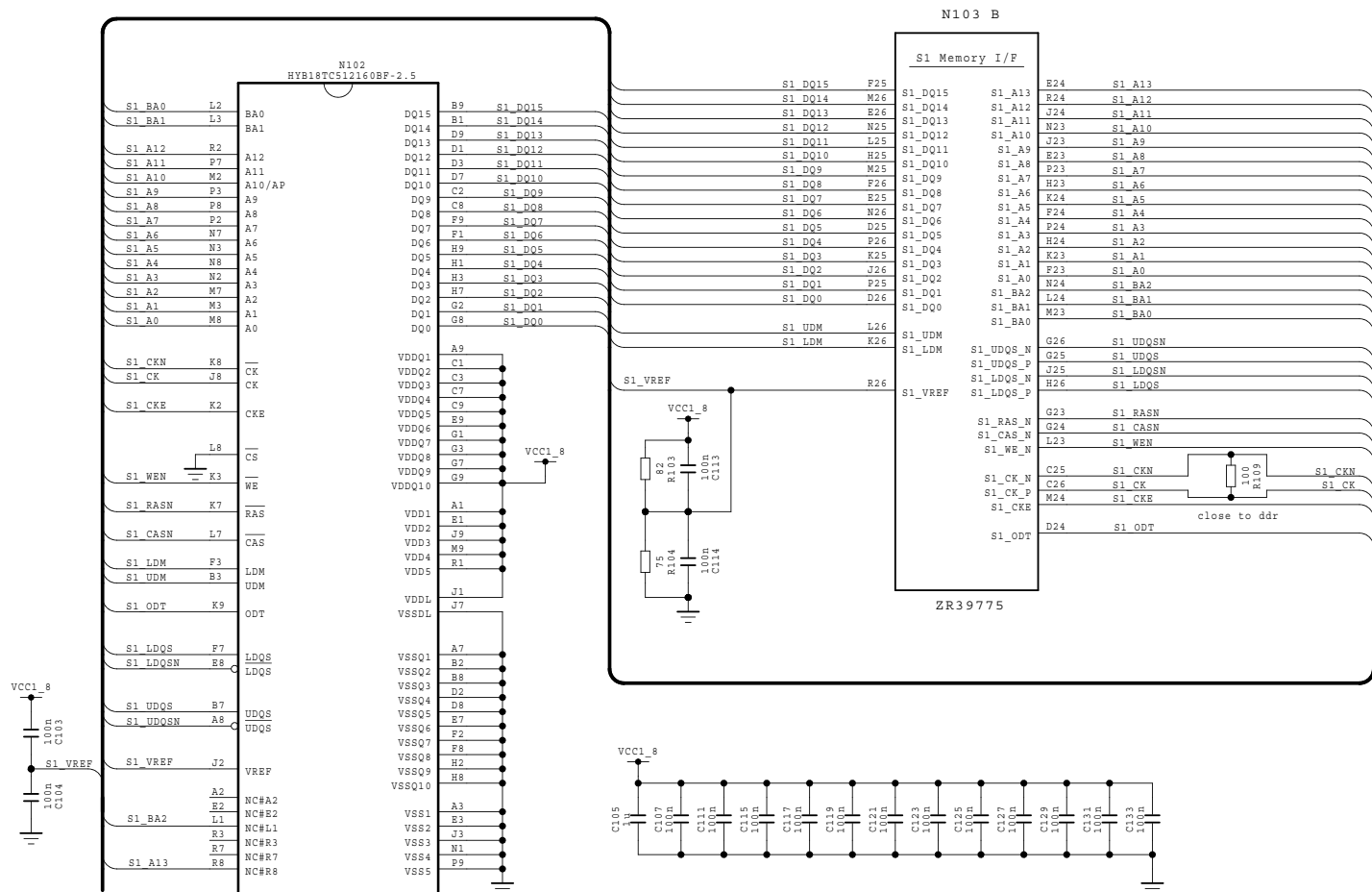
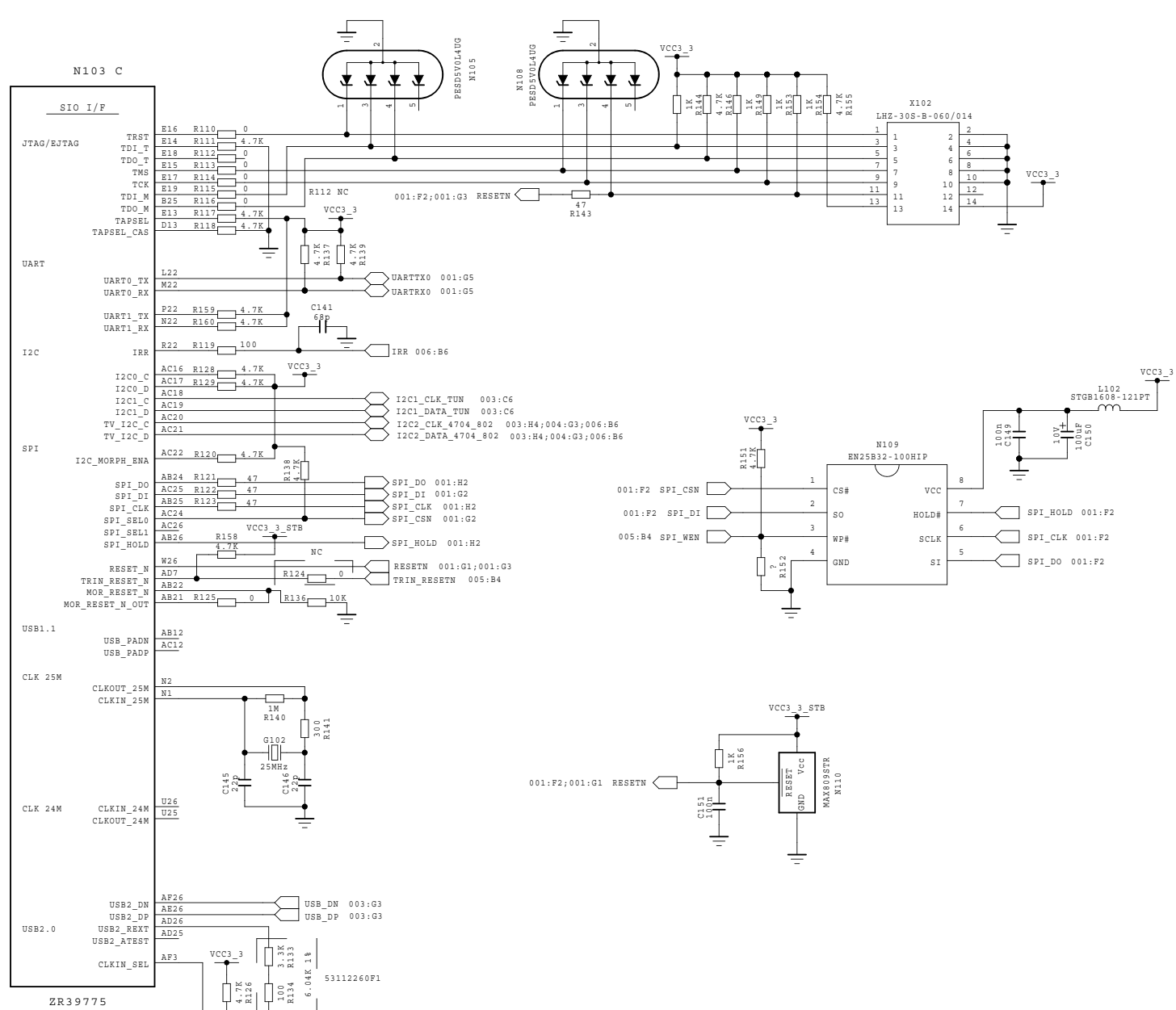
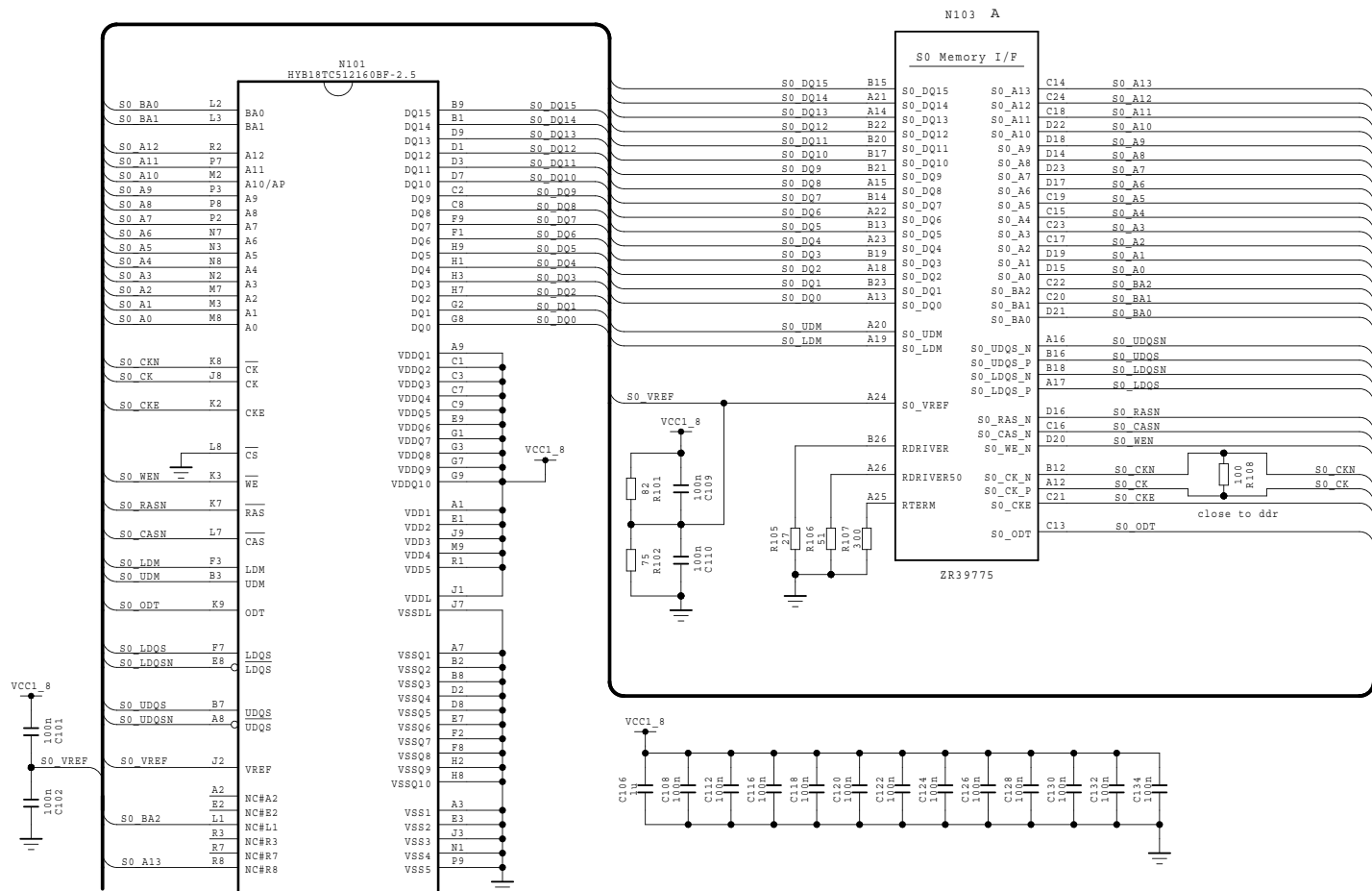
2

3

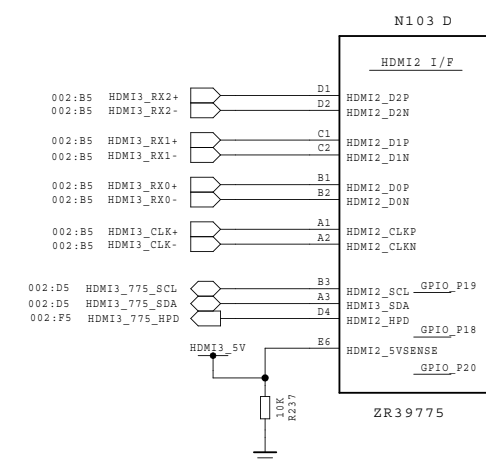
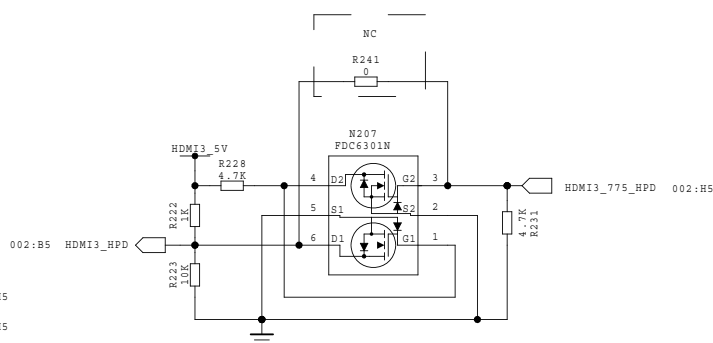
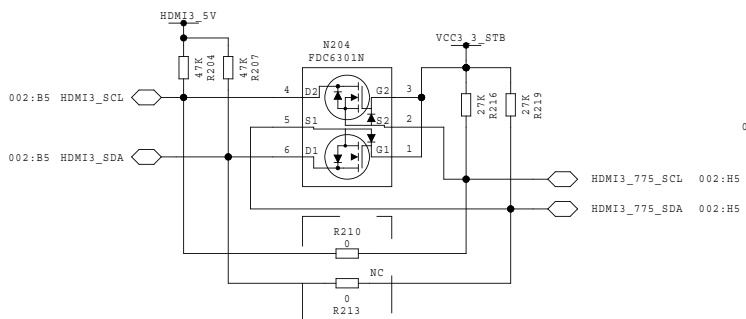
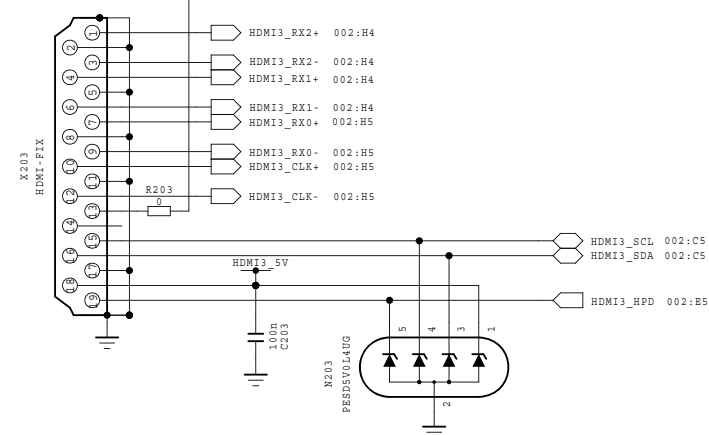
4

5

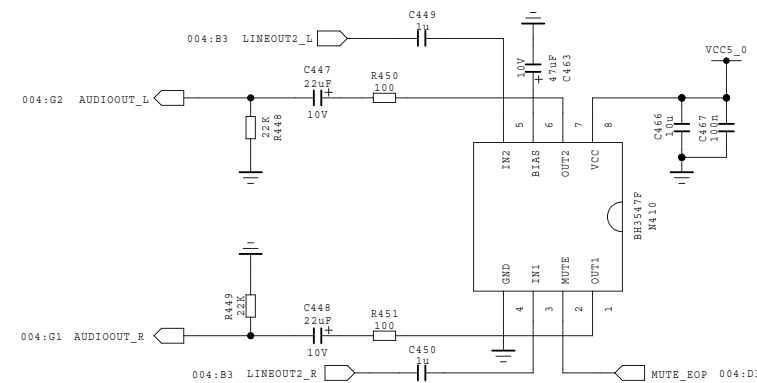
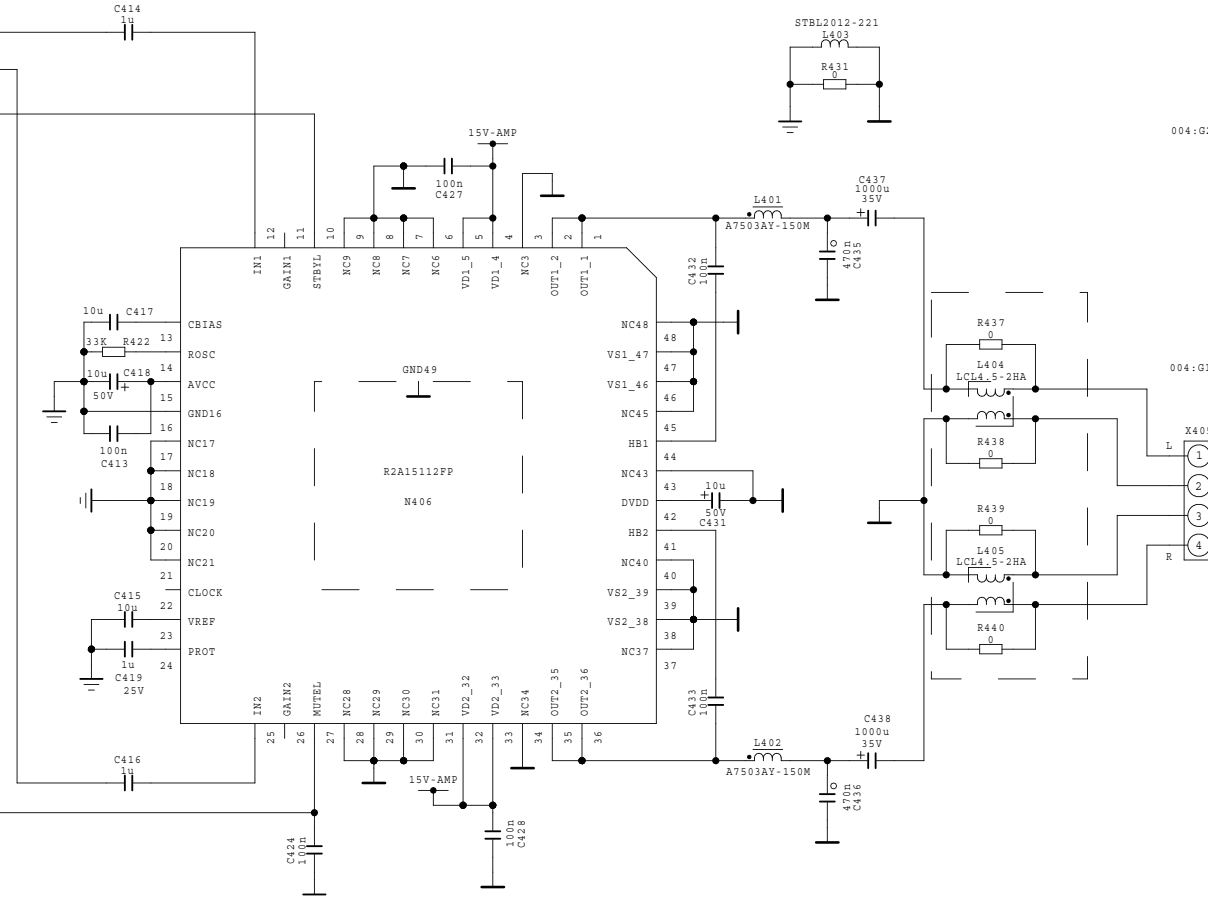
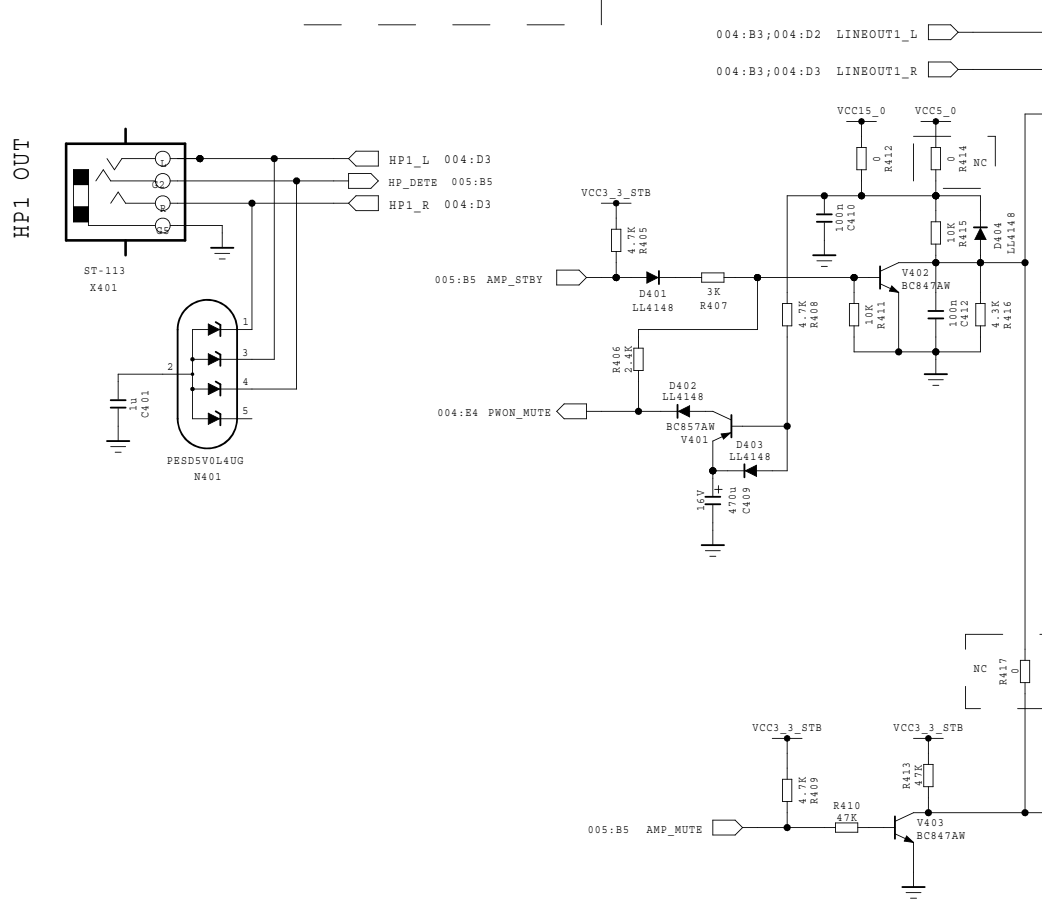
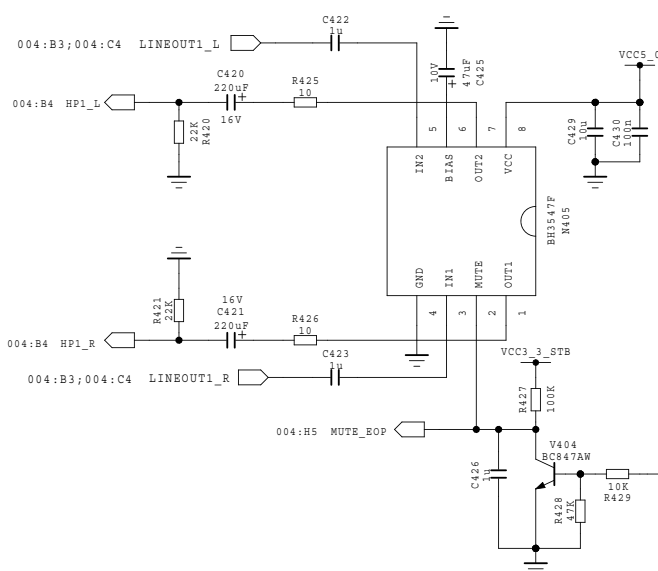
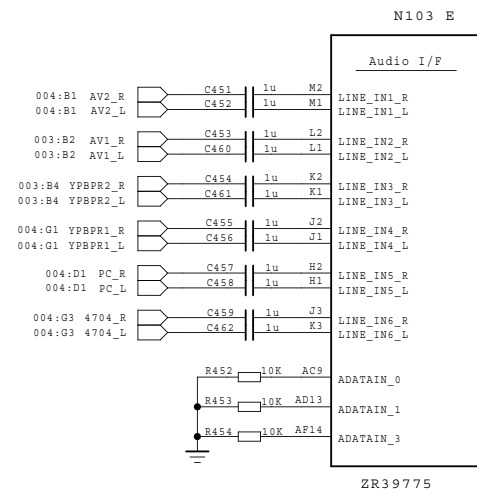
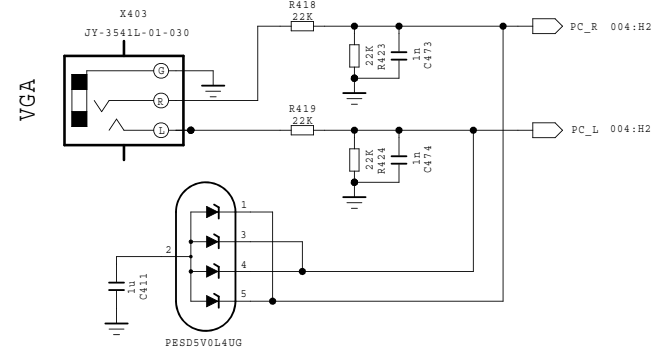
6



LC-I9KK44
DDR / FLASH



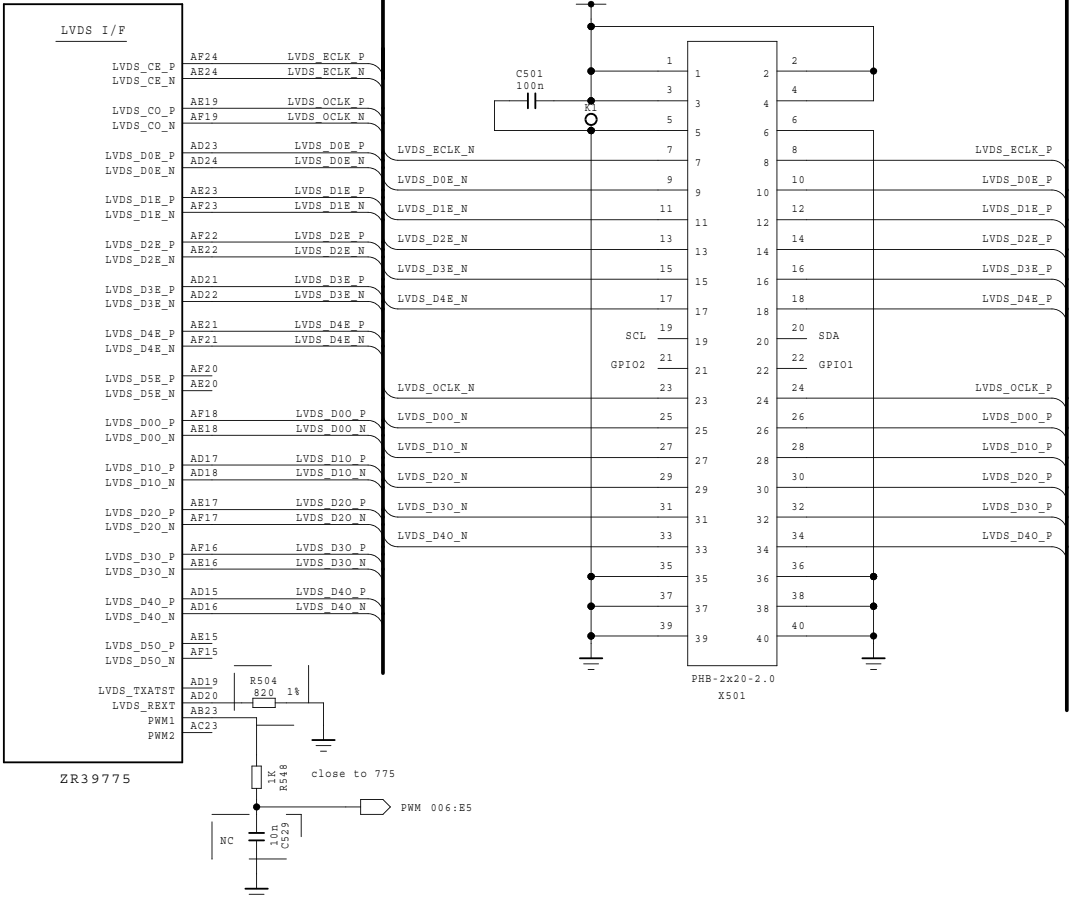
HDMI



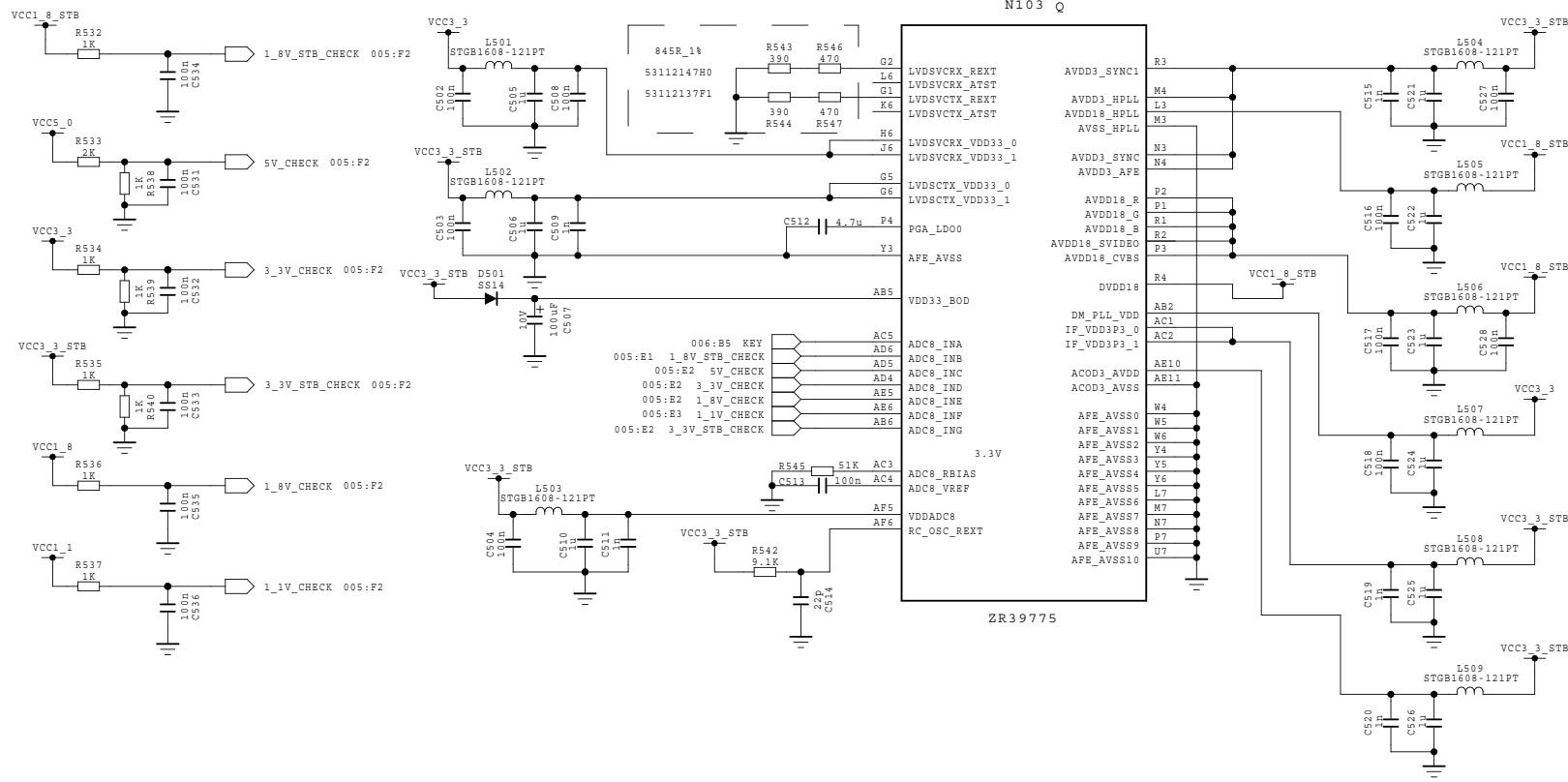
LC-19KK44
AUDIO / AMP

1
2
3
4
5
6

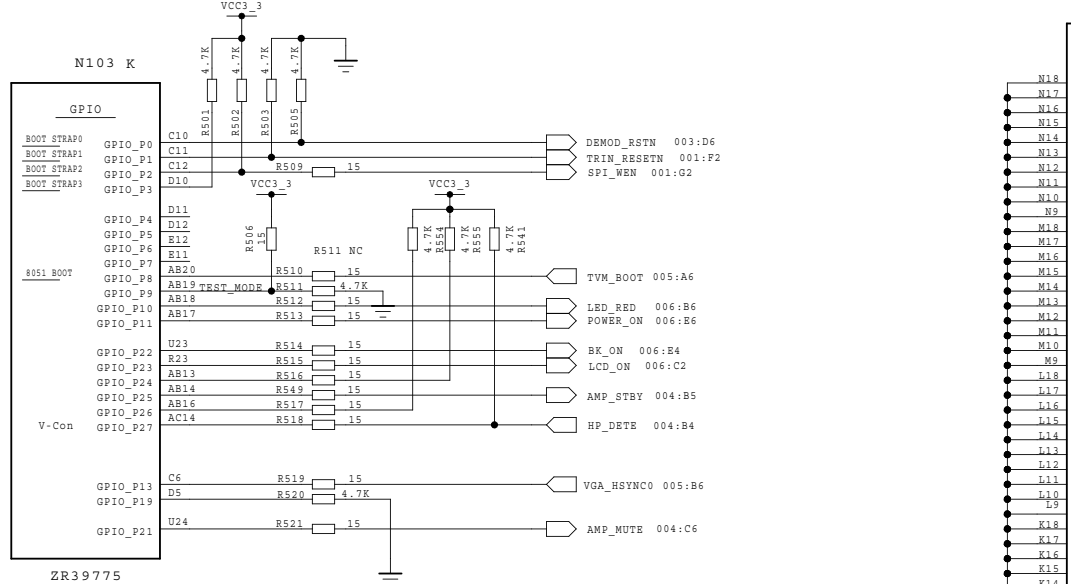
N103 J



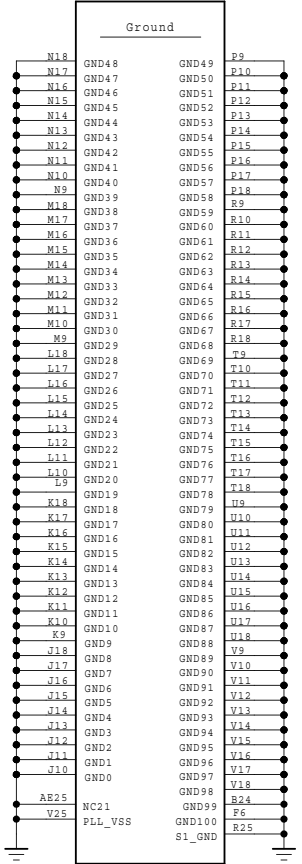
N103 Q



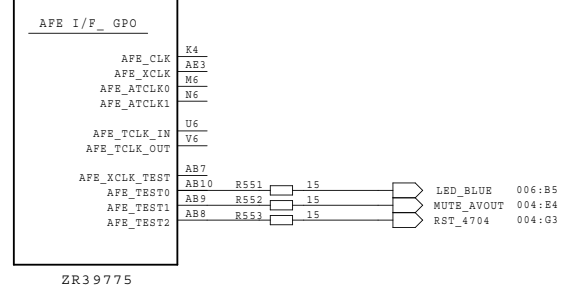
GPIO P[3:0]=1100 - BOOT From SPI



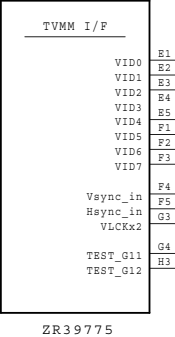
N103 N



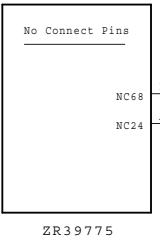
N103 S



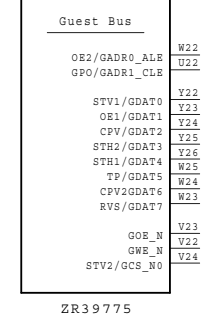
M N103



N103 L

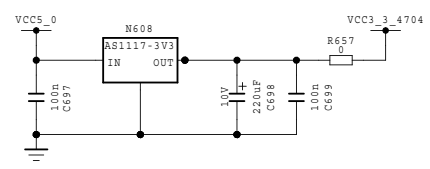
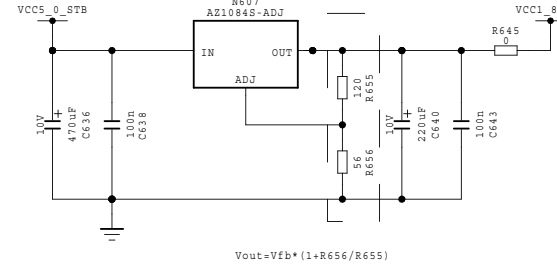
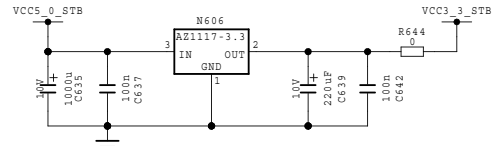
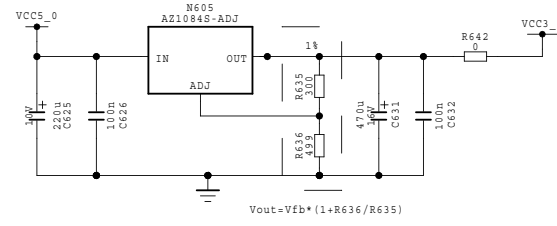
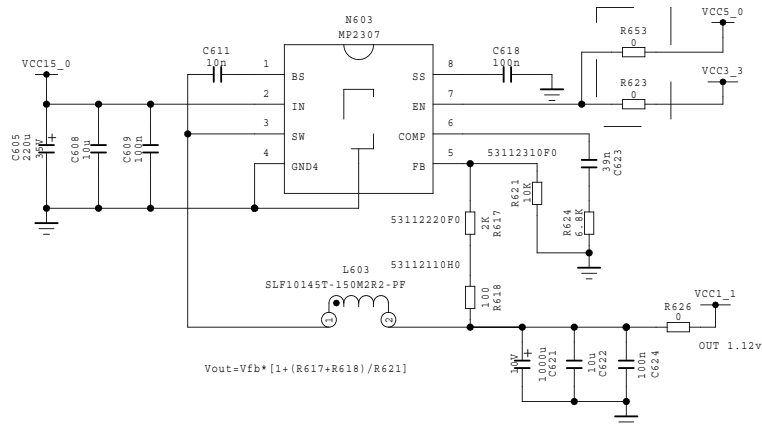


N103 H

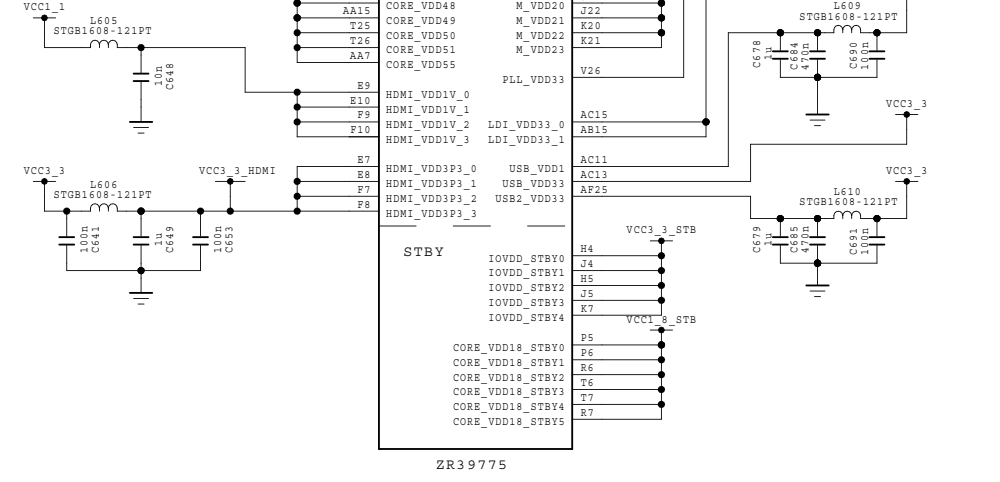
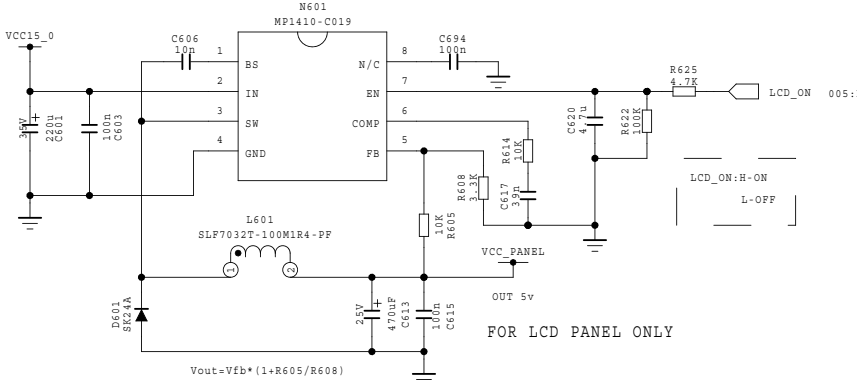


LC-I9KK44
GPIO / LVDS / GND

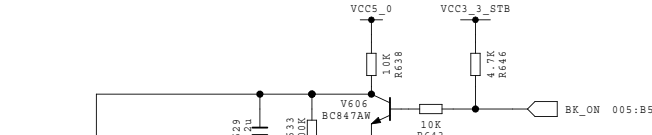
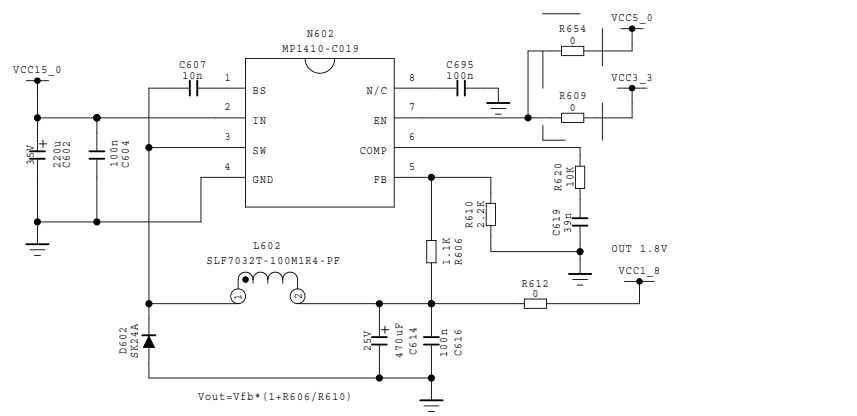
1



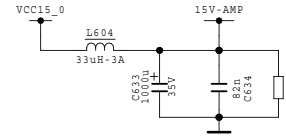
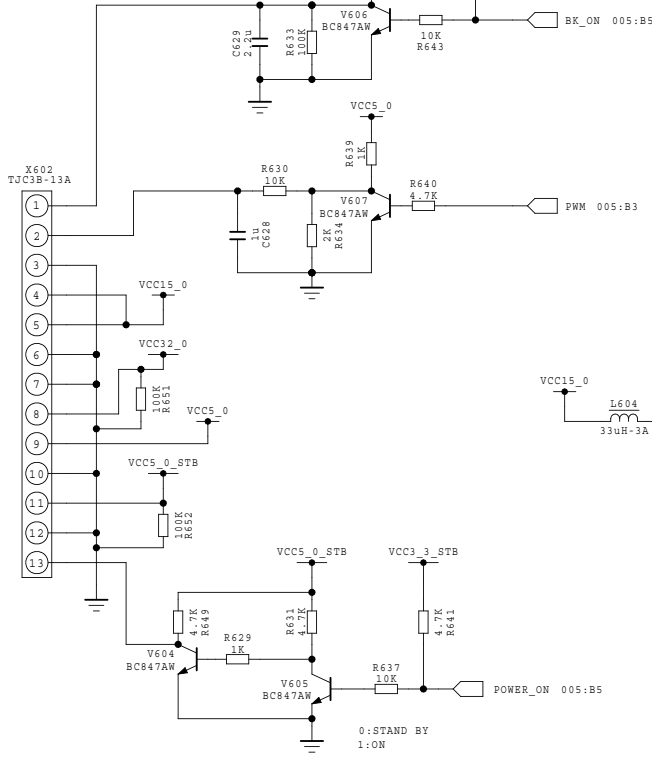
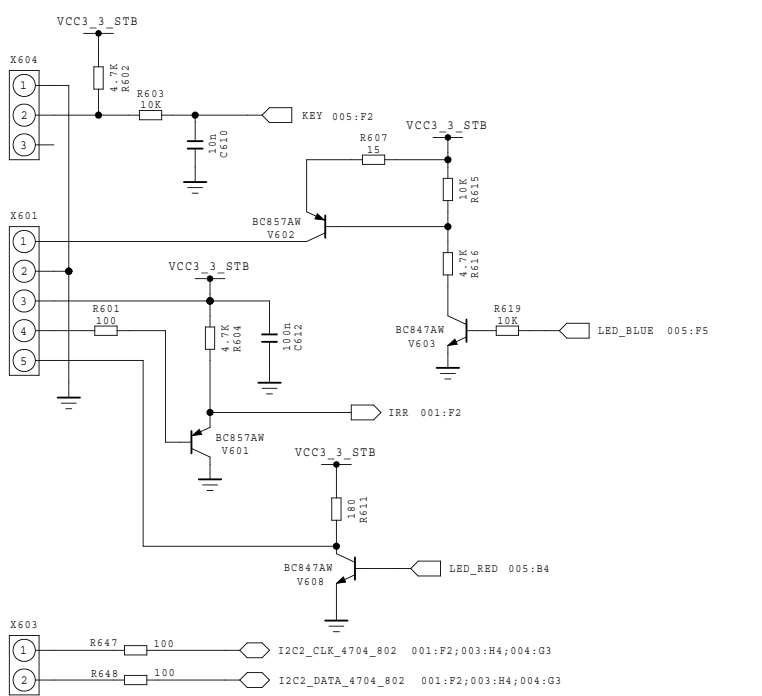
2



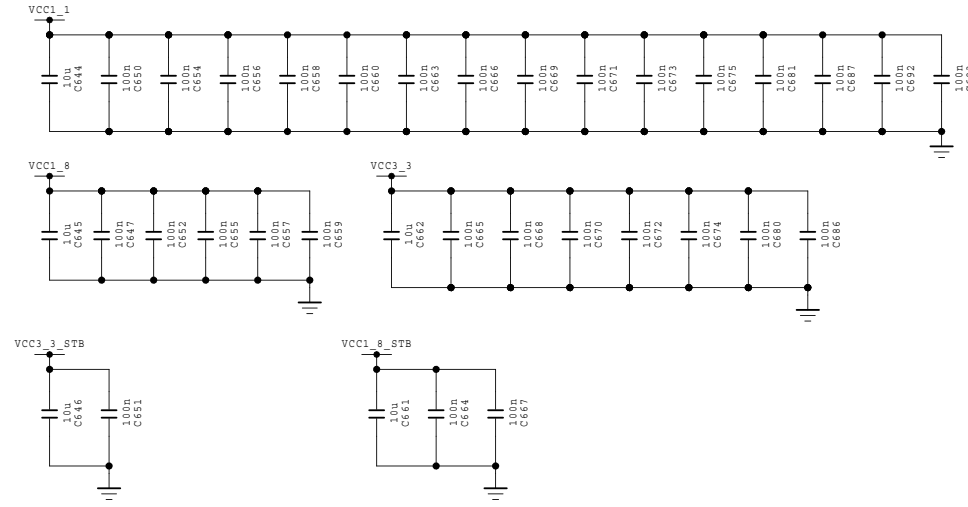
3



4

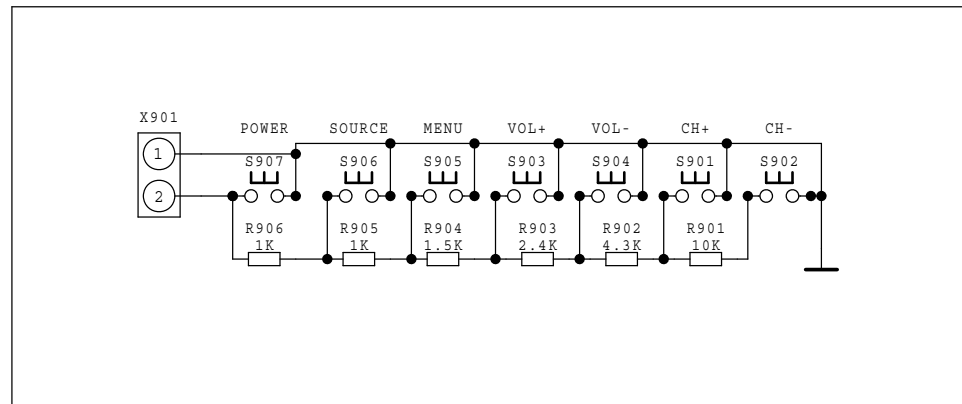
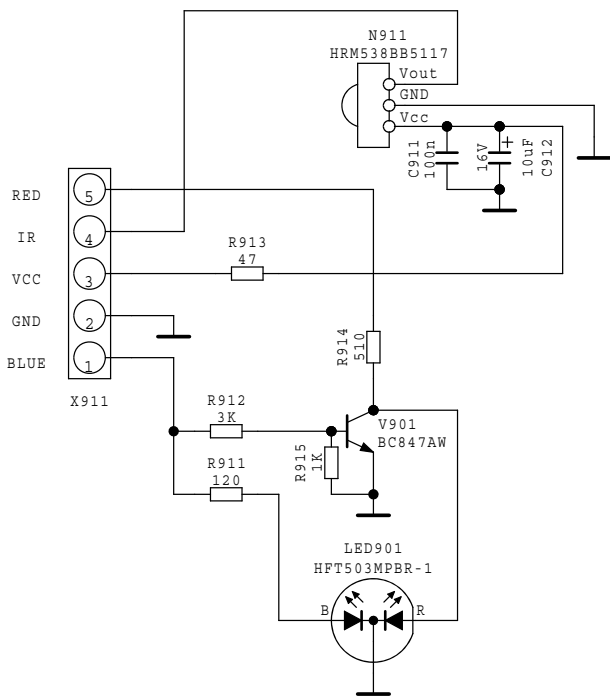
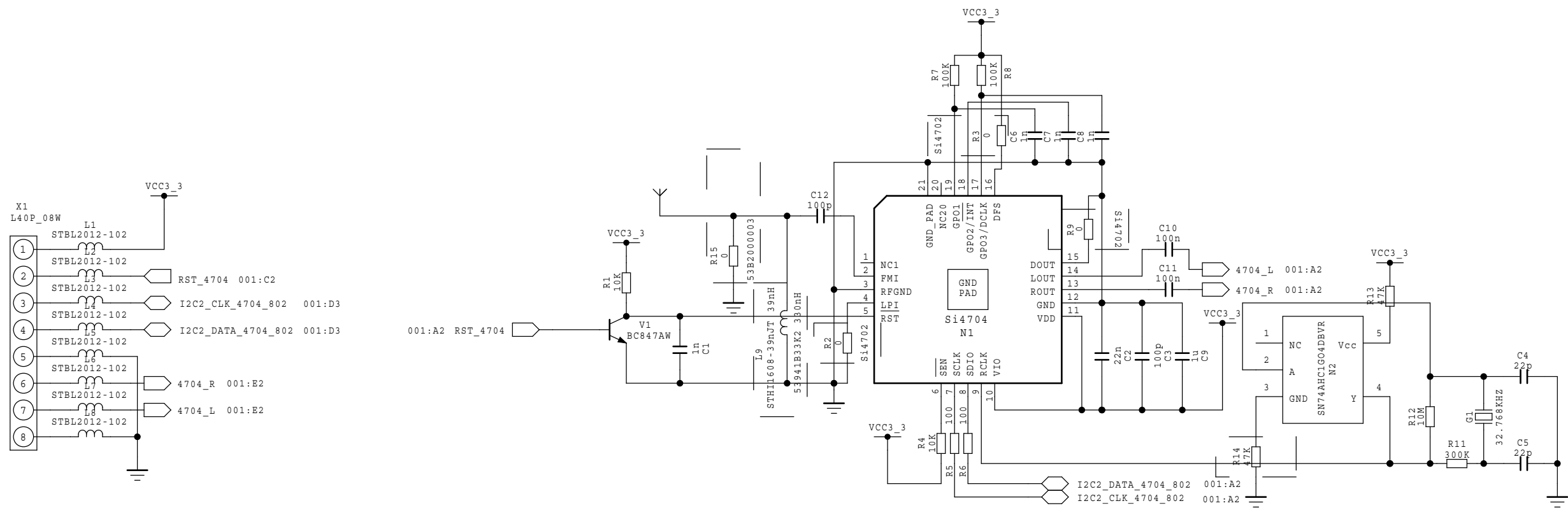


5



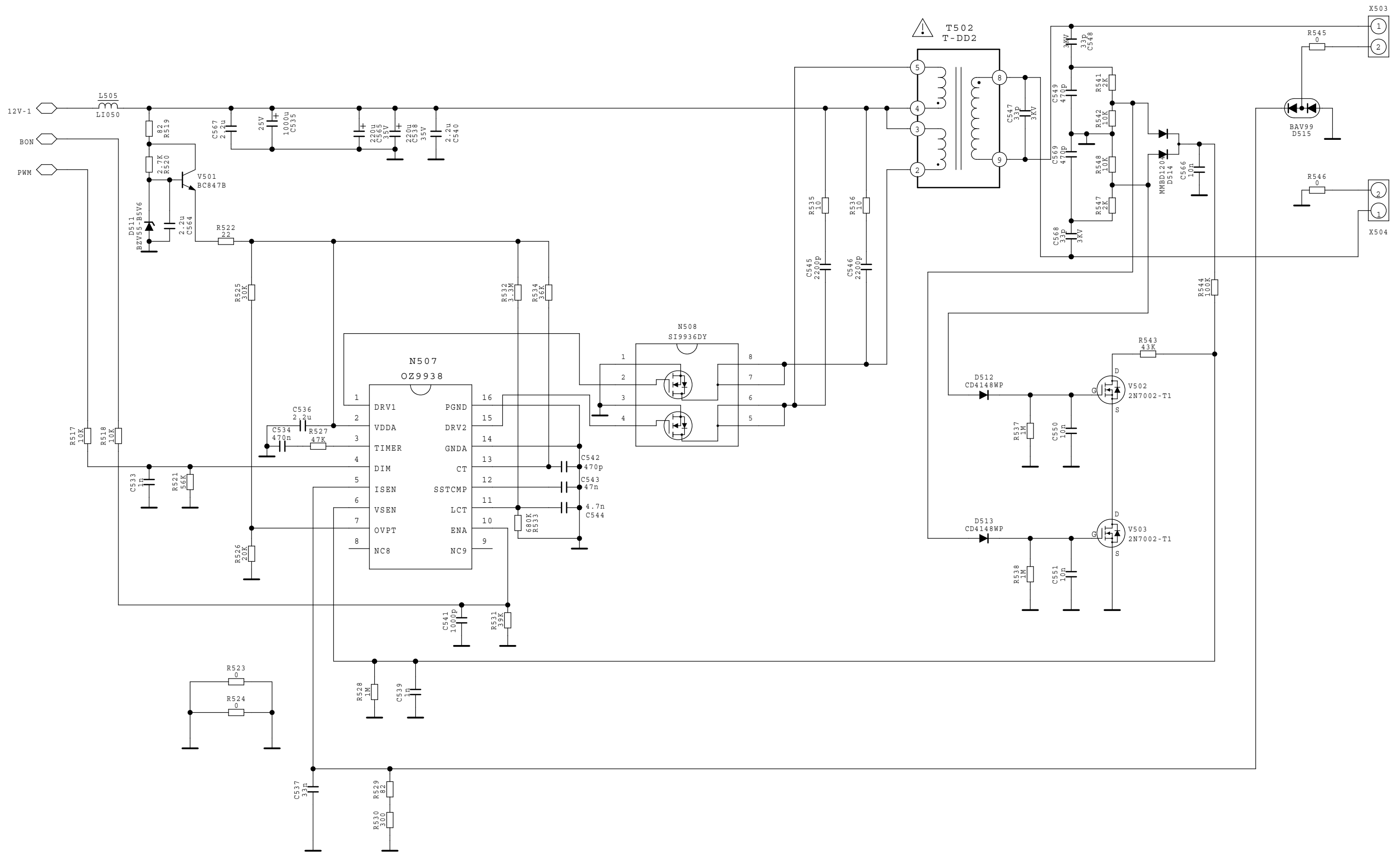
6

LC-I9KK44
POWER



LC-I9KK44

FM BOARD / KEY BOARD / REMOTE RECEIVER BOARD



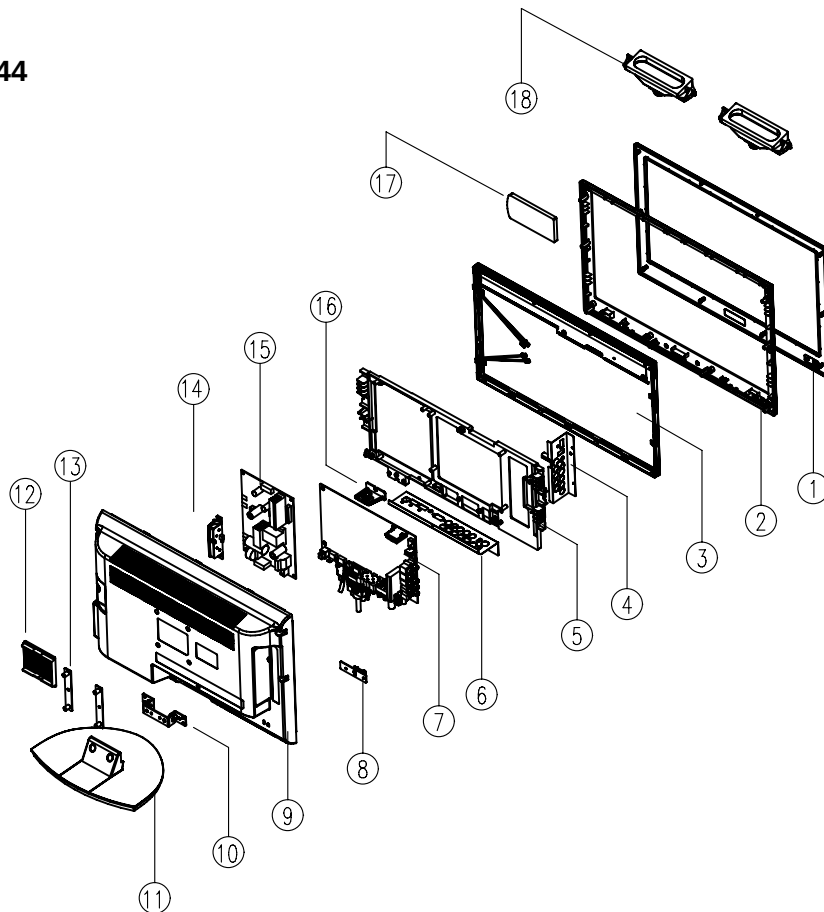
LC-I9KK44

INVERTER BOARD

POWER BOARD

Exploded View

LC-19KK44



Exploded View Parts List

LC-19KK44

NO.	Part No.	DISCRIPTION
1	6619440010	front cabinet assembly
2	5Z19440030	Middle cabinet
3	5203195201	Display panel
4	5810069020	Interface baffle(side)
5	5740232010	Main frame HIPS VO
6	5810068900	Interface baffle
7	6KK0030110	main board assembly
8	6KK0030910	IR board assembly
9	5H1944H020	back cabinet
10	6158109000	Rotor assembly
11	6151186020	Stand assembly
12	58B0040620	Bracket for remote control
13	5810066300	Wall-mounting fixed board
14	6KK00205A0	Key board assembly
15	6KK0032010	Power board assembly
16	58B004042A	Bracket for power cord clip
17	6010X00702	Remote control
18	6170810000	Speaker assembly_8W

9219KK4410 Replacement Parts List

LOCA. NO.	PART NO.	DESCRIPTION
C636	53703747	SMT ELE CAP. CDPS 10V 470uF M
	5203195201	PANEL CLAA185WA02 !
G1	5213320004	CRYSTAL 32.768K
G102	5216250005	CRYSTAL HC-49S 25MHZ
LED901	5221200003	DIODE HFT503MPBR-1
D510	5225097002	DIODE HZ11A1
D503	5225156002	DIODE HZ16-1
D524	5225199002	DIODE HZ20-2
D501	5228000022	RECTIFIER T2SB60
D511	5235056004	DIODE MMSZ5232B
V501	5250847101	TRANSISTOR BC847B
V1	5250847201	TRANSISTOR BC847AW
V402	5250847201	TRANSISTOR BC847AW
V403	5250847201	TRANSISTOR BC847AW
V404	5250847201	TRANSISTOR BC847AW
V603	5250847201	TRANSISTOR BC847AW
V604	5250847201	TRANSISTOR BC847AW
V605	5250847201	TRANSISTOR BC847AW
V606	5250847201	TRANSISTOR BC847AW
V607	5250847201	TRANSISTOR BC847AW
V608	5250847201	TRANSISTOR BC847AW
V901	5250847201	TRANSISTOR BC847AW
N505	5260050002	IC BA50BCOT
N403	5260179001	IC HKTX179DA
N502	5260421001	IC TLP4214GR !
N503	5260431001	IC LM431A (M)
N911	5265117002	IC HRM138BB5117
N501	5266453001	IC STR-Y6453
N506	5267805005	IC KA78R05C
N105	5270504001	SMT IC PESD5VOL4UG
N108	5270504001	SMT IC PESD5VOL4UG
N201	5270504001	SMT IC PESD5VOL4UG
N202	5270504001	SMT IC PESD5VOL4UG
N203	5270504001	SMT IC PESD5VOL4UG
N301	5270504001	SMT IC PESD5VOL4UG
N302	5270504001	SMT IC PESD5VOL4UG
N303	5270504001	SMT IC PESD5VOL4UG
N304	5270504001	SMT IC PESD5VOL4UG
N306	5270504001	SMT IC PESD5VOL4UG
N307	5270504001	SMT IC PESD5VOL4UG
N308	5270504001	SMT IC PESD5VOL4UG
N401	5270504001	SMT IC PESD5VOL4UG
N402	5270504001	SMT IC PESD5VOL4UG
N404	5270504001	SMT IC PESD5VOL4UG
N407	5270504001	SMT IC PESD5VOL4UG
N305	5270505001	SMT IC PESD5VOL5UY

9219KK4410 Replacement Parts List

N103	5270775001	SMT IC SUPRAHD775
N310	5270802001	SMT IC HP802
N110	5270809002	SMT IC MAX809 STR
N605	5271084001	SMT IC AZ1084S-ADJ
N607	5271084001	SMT IC AZ1084S-ADJ
N608	5271117002	SMT IC AS1117M-3.3 (M)
N606	5271117010	SMT IC AZ1117-3.3
N601	5271410002	SMT IC MP1410-C019
N602	5271410002	SMT IC MP1410-C019
N406	5271511201	SMT IC R2A15112FP
N603	5272307001	SMT IC MP2307
N109	5272532004	SMT IC W25X32VSSIG-E
N104	5273232001	SMT IC MAX3232CDR
	5273428315	SMT IC M34283
N405	5273547001	SMT IC BH3547F
N410	5273547001	SMT IC BH3547F
N309	5274223001	SMT IC IP4223CZ6
N1	5274702002	SMT IC si4702
N508	5274826001	SMT IC A04826
N101	5275116301	SMT IC K4T51163QG-HCF7
N204	5276301001	SMT IC FDC6301N
N205	5276301001	SMT IC FDC6301N
N206	5276301001	SMT IC FDC6301N
N207	5276301001	SMT IC FDC6301N
N208	5276301001	SMT IC FDC6301N
N209	5276301001	SMT IC FDC6301N
N2	5277404002	SMT IC SN74AHC1G04DBVR
N507	5279938001	SMT IC OZ9938GN
X403	5281000008	EARPHONE JACK ST-112
X401	5281000010	EARPHONE JACK ST-113
X303	5281000018	EARPHONE JACK HJK-3.5-401
	5283020003	2 PIN CONNECTOR TJC10-2AW
X503	5283020018	2 PIN CONNECTOR HC35001-2AW
X504	5283020018	2 PIN CONNECTOR HC35001-2AW
X604	5283030002	3 PIN CONNECTOR TJC10-3A
X501	5283030012	3 PIN CONNECTOR FF-A3963-WV-2
X405	5283040001	4 PIN CONNECTOR TJC3-04A
X601	5283050002	5 PIN CONNECTOR TJC10-5A
X911	5283050003	5 PIN CONNECTOR TJC10-5AW
X502	5283130001	13 PIN CONNECTOR TJC3-13A
X602	5283130001	13 PIN CONNECTOR TJC3-13A
X1	5283160006	16 PIN CONNECTOR L16P
X501	5283400007	40 PIN CONNECTION PHB-2X20 2.0
	5284000017	ANT JACK HR-F
X306	5284000065	USB SOCKET A4
X305	5289000013	SOCKET S-AV-8421
X402	5289000038	SOCKET AV2-8413

9219KK4410 Replacement Parts List

X404	5289000065	AV SOCKET HJR-413/PB-1
X302	5289000073	AV SOCKET AV13-05-501
X301	5289000096	AV SOCKET HJR-613/PB-4
X304	5289000124	VGA SOCKET HC1038-15F1-3.08
	5291000001	SWITCH KFC-A06-4X4.5X5B
T502	5422063004	TRANSFORMER BCQ-EEL19-XE !
T501	5422097004	TRANSFORMER BK-35-01XB !
L501	5452000085	FILTER UF2327M-163Y1R5-X02!
L502	5452000093	LINE FILTER LCL-1818D !
L404	5452000104	LINE FILTER LCL4.5-2HA
L405	5452000104	LINE FILTER LCL4.5-2HA
L504	5458005002	INDUCTANCE LI050
L505	5458005002	INDUCTANCE LI050
L401	5458015002	INDUCTANCE A7503AY-150M
L402	5458015002	INDUCTANCE A7503AY-150M
L604	5458047002	INDUCTANCE LH470-1
	5461300001	MAGNET RING TY30X20X10
L503	5461350012	MAGNET RING 253D-02
L102	5464160001	MAGNET RING BG1608B121
L501	5464160001	MAGNET RING BG1608B121
L502	5464160001	MAGNET RING BG1608B121
L503	5464160001	MAGNET RING BG1608B121
L504	5464160001	MAGNET RING BG1608B121
L505	5464160001	MAGNET RING BG1608B121
L506	5464160001	MAGNET RING BG1608B121
L507	5464160001	MAGNET RING BG1608B121
L508	5464160001	MAGNET RING BG1608B121
L509	5464160001	MAGNET RING BG1608B121
L605	5464160001	MAGNET RING BG1608B121
L606	5464160001	MAGNET RING BG1608B121
L607	5464160001	MAGNET RING BG1608B121
L608	5464160001	MAGNET RING BG1608B121
L609	5464160001	MAGNET RING BG1608B121
L610	5464160001	MAGNET RING BG1608B121
L1	5464200006	MAGNET RING STBH2012-102PT
L2	5464200006	MAGNET RING STBH2012-102PT
L3	5464200006	MAGNET RING STBH2012-102PT
L4	5464200006	MAGNET RING STBH2012-102PT
L408	5464200006	MAGNET RING STBH2012-102PT
L409	5464200006	MAGNET RING STBH2012-102PT
L410	5464200006	MAGNET RING STBH2012-102PT
L411	5464200006	MAGNET RING STBH2012-102PT
L413	5464200006	MAGNET RING STBH2012-102PT
L414	5464200006	MAGNET RING STBH2012-102PT
L5	5464200006	MAGNET RING STBH2012-102PT
L6	5464200006	MAGNET RING STBH2012-102PT
L7	5464200006	MAGNET RING STBH2012-102PT

9219KK4410 Replacement Parts List

L8	5464200006	MAGNET RING STBH2012-102PT
L403	5464200007	MAGNET RING STBH2012-221PT
	5480000037	BATTERY CR2032
	5500804003	SPEAKER 8W4Ω 33.5X145
FU301	5510000061	FUSE SMD1206P075TF
FU501	5510022291	FUSE 3921200000 2A 250V !
FU502	5510031451	FUSE 20N030L-125V 3A !
TUNER301	5524140003	TUNER TD1136/FV
	5546000003	ANTENNA FM
HP01	5551000055	SOLDERING BLADE
HP02	5551000055	SOLDERING BLADE
HP03	5551000055	SOLDERING BLADE
K1	5556000137	BLANK HEART COLUMN $\phi 2.36 \times 14B$
	5602130006	POWER CORD UL 2m
	5610618008	WIRE UL1015 18# 60mm
	5610618008	WIRE UL1015 18# 60mm
	5610818008	WIRE UL1015 18# 80mm
	5610818008	WIRE UL1015 18# 80mm
	5620411033	WIRE (4 PIN) 250/300
	5620543073	WIRE (5 PIN)
	5621312031	WIRE (13 PIN)
	5631001112	VIDEO WIRE 2m
	5631001119	LVDS WIRE 100mm
	5632110000	CABLE 100mm
	5720005010	LINE CLASP
	5720038000	LINE CLASP
	5740232010	MAIN FRAME HIPS V0
	5810066300	FIXED BOARD
	5810068900	PORT BAFFLE
	5810069020	PORT BAFFLE
	5820160000	FM SHIELDING COVER
	5820161000	FM SHIELDING COVER
	5860277000	EVA ADHESIVE TAPE 27X13X1.5
	5870265010	ELECTRIC WASHER (18X14X60)
	5870299010	CONDUCTIVE WASHER 20X21X60
	5870299010	CONDUCTIVE WASHER 20X21X60
	5903027500	HANDLE
	5932094000	HANDLE WASHER
	5944034960	MANUAL L19KK44 INSIGNIA (English)
	5944034970	MANUAL L19KK44 INSIGNIA (spanish)
	5946006730	MANUAL L19KK44 INSIGNIA (BBY)
	5947534000	CAR LABEL DX-LCD32-09 DYNEX
	5947536400	TRANSPORTION LABEL 65X65 (BBY)
	5947537717	PORT BAFFLE LC-19KK44
	5947553000	PORT BAFFLE LC-19KK44 (side)
	5947562700	LABEL (BBY)
	5947562700	LABEL (BBY)

9219KK4410 Replacement Parts List

	5947562700	LABEL (BBY)
	5947563800	REMOTE LABEL RC-X07-0B
	5961219900	FOAM EPE
	5961220000	FOAM EPE
	5962004708	ACCESSORY BAG 220X355X0.03
	5962019800	POLY BAG 90X280X0.04
	5962107400	POLY BAG 100X230
	5962113300	POLY BAG 840X470
	5962116700	POLY BAG
	5981130105	SCREW P(+) T3X10BT-D. Zn
	5981130105	SCREW P(+) T3X10BT-D. Zn
	5981330081	SCREW B(+) T3X8BT-D. Zn
	5981330081	SCREW B(+) T3X8BT-D. Zn
	5981330081	SCREW B(+) T3X8BT-D. Zn
	5981330081	SCREW B(+) T3X8BT-D. Zn
	5981330081	SCREW B(+) T3X8BT-D. Zn
	5981330081	SCREW B(+) T3X8BT-D. Zn
	5981330101	SCREW B(+) T3X10BT-D. Zn
	5981340081	SCREW B(+) T4X8BT-D. Zn
	5981340081	SCREW B(+) T4X8BT-D. Zn
	5981440121	SCREW F(+) T4X12BT-D. Zn
	5981530105	SCREW T(+) T3X10BT-D. Ni
	5981530105	SCREW T(+) T3X10BT-D. Ni
	5982130084	SCREW P(+) M3X8-D. Zn
	5982330084	SCREW B(+) M3X8-D. Zn
	5982330084	SCREW B(+) M3X8-D. Zn
	5982340102	SCREW B(+) M4X10-D. Zn
	5982940081	SCREW SJ2836 M4X8-D. Ni
M01	5985620251	RIVER GB876-86-2X2.5-
M02	5985620251	RIVER GB876-86-2X2.5-
M03	5985620251	RIVER GB876-86-2X2.5-
M04	5985620251	RIVER GB876-86-2X2.5-
M05	5985620251	RIVER GB876-86-2X2.5-
M06	5985620251	RIVER GB876-86-2X2.5-
M07	5985620251	RIVER GB876-86-2X2.5-
M08	5985620251	RIVER GB876-86-2X2.5-
M09	5985620251	RIVER GB876-86-2X2.5-
M10	5985620251	RIVER GB876-86-2X2.5-
M11	5985620251	RIVER GB876-86-2X2.5-
M12	5985620251	RIVER GB876-86-2X2.5-
M13	5985620251	RIVER GB876-86-2X2.5-
M14	5985620251	RIVER GB876-86-2X2.5-
J501	5990000000	LIGHT WIRE
J508	5990000000	LIGHT WIRE
J514	5990000000	LIGHT WIRE
J515	5990000000	LIGHT WIRE
J516	5990000000	LIGHT WIRE
J517	5990000000	LIGHT WIRE

9219KK4410 Replacement Parts List

J518	5990000000	LIGHT WIRE
J522	5990000000	LIGHT WIRE
J523	5990000000	LIGHT WIRE
J527	5990000000	LIGHT WIRE
J528	5990000000	LIGHT WIRE
J533	5990000000	LIGHT WIRE
J540	5990000000	LIGHT WIRE LC-19X44/DZ-5119
	6151186020	STAND ASSY LC-19X44
	6156090720	STAND ASSY LC-19X44
	6158109000	ROTOR ASSY LC-19X44
	6619440020	FRONT CABINET ASSY 1M N J
	6619440030	FRONT CABINET ASSY 2M N J
D505	52201A1233	DIODE SARS01
D523	522C100531	DIODE SR506
D509	522C202021	DIODE SF20JC10
D401	52301A0251	DIODE LL4148
D402	52301A0251	DIODE LL4148
D403	52301A0251	DIODE LL4148
D404	52301A0251	DIODE LL4148
D512	52301B1521	SMT DIODE CD4148WP
D513	52301B1521	SMT DIODE CD4148WP
D405	52302A0231	DIODE MMBD1204
D514	52302A0231	DIODE MMBD1204
D515	52302B2131	DIODE BAV99LT1
D201	523C100181	DIODE D1FS4
D501	523C100182	DIODE SS14
D601	523C100293	SMT DIODE SK24A
D602	523C100293	SMT DIODE SK24A
D504	523E101081	DIODE ES1J
V401	5250857B01	TRANSISTOR BC857AW
V501	5250857B01	TRANSISTOR BC857AW
V601	5250857B01	TRANSISTOR BC857AW
V602	5250857B01	TRANSISTOR BC857AW
X201	528T019004	SMT 19 PIN HDMI 1775245-2
X202	528T019004	SMT 19 PIN HDMI 1775245-2
X203	528T019004	SMT 19 PIN HDMI 1775245-2
V201	52CB131001	TRANSISTOR 2N7002-T1
V502	52CB131001	TRANSISTOR 2N7002-T1
V503	52CB131001	TRANSISTOR 2N7002-T1
R503	5301C110H1	RESISTOR 1/6W 100 Ω J
R541	5301C256H1	RESISTOR 1/6W 5.6K J
R525	5301C330H1	RESISTOR 1/6W 30K J
R558	5302F047H0	RESISTOR 1W 47 Ω JL
R502	5302FB39H0	RESISTOR 1W 0.39 Ω JL
R505	5302G427H0	RESISTOR 2W 270K JL
R501	5308E510H1	RESISTOR 1/2W 1M J
R110	53112000H0	SMT RESISTOR 0603 1/10W 0 X

9219KK4410 Replacement Parts List

R113	53112000H0	SMT RESISTOR 0603 1/10W 0 X
R114	53112000H0	SMT RESISTOR 0603 1/10W 0 X
R115	53112000H0	SMT RESISTOR 0603 1/10W 0 X
R116	53112000H0	SMT RESISTOR 0603 1/10W 0 X
R125	53112000H0	SMT RESISTOR 0603 1/10W 0 X
R134	53112000H0	SMT RESISTOR 0603 1/10W 0 X
R14	53112000H0	SMT RESISTOR 0603 1/10W 0 X
R2	53112000H0	SMT RESISTOR 0603 1/10W 0 X
R201	53112000H0	SMT RESISTOR 0603 1/10W 0 X
R202	53112000H0	SMT RESISTOR 0603 1/10W 0 X
R203	53112000H0	SMT RESISTOR 0603 1/10W 0 X
R3	53112000H0	SMT RESISTOR 0603 1/10W 0 X
R325	53112000H0	SMT RESISTOR 0603 1/10W 0 X
R343	53112000H0	SMT RESISTOR 0603 1/10W 0 X
R344	53112000H0	SMT RESISTOR 0603 1/10W 0 X
R345	53112000H0	SMT RESISTOR 0603 1/10W 0 X
R347	53112000H0	SMT RESISTOR 0603 1/10W 0 X
R348	53112000H0	SMT RESISTOR 0603 1/10W 0 X
R412	53112000H0	SMT RESISTOR 0603 1/10W 0 X
R431	53112000H0	SMT RESISTOR 0603 1/10W 0 X
R609	53112000H0	SMT RESISTOR 0603 1/10W 0 X
R623	53112000H0	SMT RESISTOR 0603 1/10W 0 X
R630	53112000H0	SMT RESISTOR 0603 1/10W 0 X
R9	53112000H0	SMT RESISTOR 0603 1/10W 0 X
R425	53112010H0	SMT RESISTOR 0603 1/10W 10 J
R426	53112010H0	SMT RESISTOR 0603 1/10W 10 J
R506	53112015H0	SMT RESISTOR 0603 1/10W 15 J
R509	53112015H0	SMT RESISTOR 0603 1/10W 15 J
R510	53112015H0	SMT RESISTOR 0603 1/10W 15 J
R512	53112015H0	SMT RESISTOR 0603 1/10W 15 J
R513	53112015H0	SMT RESISTOR 0603 1/10W 15 J
R514	53112015H0	SMT RESISTOR 0603 1/10W 15 J
R515	53112015H0	SMT RESISTOR 0603 1/10W 15 J
R516	53112015H0	SMT RESISTOR 0603 1/10W 15 J
R517	53112015H0	SMT RESISTOR 0603 1/10W 15 J
R518	53112015H0	SMT RESISTOR 0603 1/10W 15 J
R519	53112015H0	SMT RESISTOR 0603 1/10W 15 J
R521	53112015H0	SMT RESISTOR 0603 1/10W 15 J
R549	53112015H0	SMT RESISTOR 0603 1/10W 15 J
R551	53112015H0	SMT RESISTOR 0603 1/10W 15 J
R552	53112015H0	SMT RESISTOR 0603 1/10W 15 J
R553	53112015H0	SMT RESISTOR 0603 1/10W 15 J
R607	53112015H0	SMT RESISTOR 0603 1/10W 15 J
R105	53112027H0	SMT RESISTOR 0603 1/10W 27 J
R121	53112047H0	SMT RESISTOR 0603 1/10W 47 J
R122	53112047H0	SMT RESISTOR 0603 1/10W 47 J
R123	53112047H0	SMT RESISTOR 0603 1/10W 47 J

9219KK4410 Replacement Parts List

R143	53112047H0	SMT RESISTOR 0603 1/10W 47 J
R913	53112047H0	SMT RESISTOR 0603 1/10W 47 J
R106	53112051H0	SMT RESISTOR 0603 1/10W 51 J
R656	53112056H0	SMT RESISTOR 0603 1/10W 56 J
R102	53112075F0	SMT RESISTOR 0603 1/10W 75 F
R306	53112075H0	SMT RESISTOR 0603 1/10W 75 J
R307	53112075H0	SMT RESISTOR 0603 1/10W 75 J
R308	53112075H0	SMT RESISTOR 0603 1/10W 75 J
R311	53112075H0	SMT RESISTOR 0603 1/10W 75 J
R312	53112075H0	SMT RESISTOR 0603 1/10W 75 J
R313	53112075H0	SMT RESISTOR 0603 1/10W 75 J
R316	53112075H0	SMT RESISTOR 0603 1/10W 75 J
R324	53112075H0	SMT RESISTOR 0603 1/10W 75 J
R331	53112075H0	SMT RESISTOR 0603 1/10W 75 J
R332	53112075H0	SMT RESISTOR 0603 1/10W 75 J
R335	53112075H0	SMT RESISTOR 0603 1/10W 75 J
R336	53112075H0	SMT RESISTOR 0603 1/10W 75 J
R337	53112075H0	SMT RESISTOR 0603 1/10W 75 J
R338	53112075H0	SMT RESISTOR 0603 1/10W 75 J
R339	53112075H0	SMT RESISTOR 0603 1/10W 75 J
R349	53112075H0	SMT RESISTOR 0603 1/10W 75 J
R350	53112075H0	SMT RESISTOR 0603 1/10W 75 J
R351	53112075H0	SMT RESISTOR 0603 1/10W 75 J
R355	53112075H0	SMT RESISTOR 0603 1/10W 75 J
R101	53112082H0	SMT RESISTOR 0603 1/10W 82 J
R108	53112110H0	SMT RESISTOR 0603 1/10W 100 J
R119	53112110H0	SMT RESISTOR 0603 1/10W 100 J
R130	53112110H0	SMT RESISTOR 0603 1/10W 100 J
R131	53112110H0	SMT RESISTOR 0603 1/10W 100 J
R317	53112110H0	SMT RESISTOR 0603 1/10W 100 J
R318	53112110H0	SMT RESISTOR 0603 1/10W 100 J
R340	53112110H0	SMT RESISTOR 0603 1/10W 100 J
R341	53112110H0	SMT RESISTOR 0603 1/10W 100 J
R353	53112110H0	SMT RESISTOR 0603 1/10W 100 J
R354	53112110H0	SMT RESISTOR 0603 1/10W 100 J
R450	53112110H0	SMT RESISTOR 0603 1/10W 100 J
R451	53112110H0	SMT RESISTOR 0603 1/10W 100 J
R5	53112110H0	SMT RESISTOR 0603 1/10W 100 J
R6	53112110H0	SMT RESISTOR 0603 1/10W 100 J
R601	53112110H0	SMT RESISTOR 0603 1/10W 100 J
R618	53112110H0	SMT RESISTOR 0603 1/10W 100 J
R655	53112112H0	SMT RESISTOR 0603 1/10W 120 J
R911	53112112H0	SMT RESISTOR 0603 1/10W 120 J
R611	53112118H0	SMT RESISTOR 0603 1/10W 180 J
R107	53112130F0	SMT RESISTOR 0603 1/10W 300 F
R141	53112130F0	SMT RESISTOR 0603 1/10W 300 F
R635	53112130F0	SMT RESISTOR 0603 1/10W 300 F

9219KK4410 Replacement Parts List

R543	53112137F1	SMT RESISTOR 0603 1/10W 374 F
R544	53112137F1	SMT RESISTOR 0603 1/10W 374 F
R234	53112139F0	SMT RESISTOR 0603 1/10W 390 F
R546	53112147H0	SMT RESISTOR 0603 1/10W 470 J
R547	53112147H0	SMT RESISTOR 0603 1/10W 470 J
R636	53112149F1	SMT RESISTOR 0603 1/10W 499 F
R914	53112151H0	SMT RESISTOR 0603 1/10W 510 J
R504	53112182H0	SMT RESISTOR 0603 1/10W 820 J
R534	53112210F0	SMT RESISTOR 0603 1/10W 1K F
R535	53112210F0	SMT RESISTOR 0603 1/10W 1K F
R536	53112210F0	SMT RESISTOR 0603 1/10W 1K F
R537	53112210F0	SMT RESISTOR 0603 1/10W 1K F
R538	53112210F0	SMT RESISTOR 0603 1/10W 1K F
R539	53112210F0	SMT RESISTOR 0603 1/10W 1K F
R540	53112210F0	SMT RESISTOR 0603 1/10W 1K F
R144	53112210H0	SMT RESISTOR 0603 1/10W 1K J
R149	53112210H0	SMT RESISTOR 0603 1/10W 1K J
R153	53112210H0	SMT RESISTOR 0603 1/10W 1K J
R154	53112210H0	SMT RESISTOR 0603 1/10W 1K J
R156	53112210H0	SMT RESISTOR 0603 1/10W 1K J
R222	53112210H0	SMT RESISTOR 0603 1/10W 1K J
R224	53112210H0	SMT RESISTOR 0603 1/10W 1K J
R226	53112210H0	SMT RESISTOR 0603 1/10W 1K J
R356	53112210H0	SMT RESISTOR 0603 1/10W 1K J
R357	53112210H0	SMT RESISTOR 0603 1/10W 1K J
R510	53112210H0	SMT RESISTOR 0603 1/10W 1K J
R532	53112210H0	SMT RESISTOR 0603 1/10W 1K J
R548	53112210H0	SMT RESISTOR 0603 1/10W 1K J
R560	53112210H0	SMT RESISTOR 0603 1/10W 1K J
R563	53112210H0	SMT RESISTOR 0603 1/10W 1K J
R570	53112210H0	SMT RESISTOR 0603 1/10W 1K J
R629	53112210H0	SMT RESISTOR 0603 1/10W 1K J
R639	53112210H0	SMT RESISTOR 0603 1/10W 1K J
R905	53112210H0	SMT RESISTOR 0603 1/10W 1K J
R906	53112210H0	SMT RESISTOR 0603 1/10W 1K J
R915	53112210H0	SMT RESISTOR 0603 1/10W 1K J
R606	53112211H0	SMT RESISTOR 0603 1/10W 1.1K J
R514	53112212H0	SMT RESISTOR 0603 1/10W 1.2K J
R904	53112215H0	SMT RESISTOR 0603 1/10W 1.5K J
R328	53112220F0	SMT RESISTOR 0603 1/10W 2K F
R533	53112220F0	SMT RESISTOR 0603 1/10W 2K F
R617	53112220F0	SMT RESISTOR 0603 1/10W 2K F
R634	53112220H0	SMT RESISTOR 0603 1/10W 2K J
R610	53112222H0	SMT RESISTOR 0603 1/10W 2.2K J
R406	53112224H0	SMT RESISTOR 0603 1/10W 2.4K J
R903	53112224H0	SMT RESISTOR 0603 1/10W 2.4K J
R407	53112230H0	SMT RESISTOR 0603 1/10W 3K J

9219KK4410 Replacement Parts List

R912	53112230H0	SMT RESISTOR 0603 1/10W 3K J
R513	53112233H0	SMT RESISTOR 0603 1/10W 3.3K J
R608	53112233H0	SMT RESISTOR 0603 1/10W 3.3K J
R330	53112239H0	SMT RESISTOR 0603 1/10W 3.9K J
R416	53112243H0	SMT RESISTOR 0603 1/10W 4.3K J
R902	53112243H0	SMT RESISTOR 0603 1/10W 4.3K J
R111	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R117	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R118	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R120	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R126	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R128	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R129	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R137	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R138	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R139	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R146	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R151	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R155	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R158	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R159	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R160	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R228	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R229	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R230	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R231	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R232	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R233	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R319	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R320	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R326	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R342	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R346	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R405	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R408	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R409	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R430	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R501	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R502	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R503	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R505	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R520	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R541	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R554	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R555	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R602	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R604	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J

9219KK4410 Replacement Parts List

R616	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R625	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R631	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R640	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R641	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R646	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R649	53112247H0	SMT RESISTOR 0603 1/10W 4.7K J
R133	53112260F1	SMT RESISTOR 0603 1/10W 6.04K F
R624	53112268H0	SMT RESISTOR 0603 1/10W 6.8K J
R527	53112291H0	SMT RESISTOR 0603 1/10W 9.1K J
R542	53112291H0	SMT RESISTOR 0603 1/10W 9.1K J
R605	53112310F0	SMT RESISTOR 0603 1/10W 10K F
R621	53112310F0	SMT RESISTOR 0603 1/10W 10K F
R1	53112310H0	SMT RESISTOR 0603 1/10W 10K J
R136	53112310H0	SMT RESISTOR 0603 1/10W 10K J
R223	53112310H0	SMT RESISTOR 0603 1/10W 10K J
R225	53112310H0	SMT RESISTOR 0603 1/10W 10K J
R227	53112310H0	SMT RESISTOR 0603 1/10W 10K J
R235	53112310H0	SMT RESISTOR 0603 1/10W 10K J
R236	53112310H0	SMT RESISTOR 0603 1/10W 10K J
R237	53112310H0	SMT RESISTOR 0603 1/10W 10K J
R4	53112310H0	SMT RESISTOR 0603 1/10W 10K J
R411	53112310H0	SMT RESISTOR 0603 1/10W 10K J
R415	53112310H0	SMT RESISTOR 0603 1/10W 10K J
R429	53112310H0	SMT RESISTOR 0603 1/10W 10K J
R452	53112310H0	SMT RESISTOR 0603 1/10W 10K J
R453	53112310H0	SMT RESISTOR 0603 1/10W 10K J
R454	53112310H0	SMT RESISTOR 0603 1/10W 10K J
R523	53112310H0	SMT RESISTOR 0603 1/10W 10K J
R556	53112310H0	SMT RESISTOR 0603 1/10W 10K J
R558	53112310H0	SMT RESISTOR 0603 1/10W 10K J
R559	53112310H0	SMT RESISTOR 0603 1/10W 10K J
R603	53112310H0	SMT RESISTOR 0603 1/10W 10K J
R614	53112310H0	SMT RESISTOR 0603 1/10W 10K J
R615	53112310H0	SMT RESISTOR 0603 1/10W 10K J
R619	53112310H0	SMT RESISTOR 0603 1/10W 10K J
R620	53112310H0	SMT RESISTOR 0603 1/10W 10K J
R637	53112310H0	SMT RESISTOR 0603 1/10W 10K J
R638	53112310H0	SMT RESISTOR 0603 1/10W 10K J
R643	53112310H0	SMT RESISTOR 0603 1/10W 10K J
R901	53112310H0	SMT RESISTOR 0603 1/10W 10K J
R515	53112316H0	SMT RESISTOR 0603 1/10W 16K J
R302	53112322H0	SMT RESISTOR 0603 1/10W 22K J
R303	53112322H0	SMT RESISTOR 0603 1/10W 22K J
R304	53112322H0	SMT RESISTOR 0603 1/10W 22K J
R305	53112322H0	SMT RESISTOR 0603 1/10W 22K J
R309	53112322H0	SMT RESISTOR 0603 1/10W 22K J

9219KK4410 Replacement Parts List

R310	53112322H0	SMT RESISTOR 0603 1/10W 22K J
R314	53112322H0	SMT RESISTOR 0603 1/10W 22K J
R315	53112322H0	SMT RESISTOR 0603 1/10W 22K J
R401	53112322H0	SMT RESISTOR 0603 1/10W 22K J
R402	53112322H0	SMT RESISTOR 0603 1/10W 22K J
R403	53112322H0	SMT RESISTOR 0603 1/10W 22K J
R404	53112322H0	SMT RESISTOR 0603 1/10W 22K J
R418	53112322H0	SMT RESISTOR 0603 1/10W 22K J
R419	53112322H0	SMT RESISTOR 0603 1/10W 22K J
R420	53112322H0	SMT RESISTOR 0603 1/10W 22K J
R421	53112322H0	SMT RESISTOR 0603 1/10W 22K J
R423	53112322H0	SMT RESISTOR 0603 1/10W 22K J
R424	53112322H0	SMT RESISTOR 0603 1/10W 22K J
R432	53112322H0	SMT RESISTOR 0603 1/10W 22K J
R433	53112322H0	SMT RESISTOR 0603 1/10W 22K J
R434	53112322H0	SMT RESISTOR 0603 1/10W 22K J
R435	53112322H0	SMT RESISTOR 0603 1/10W 22K J
R448	53112322H0	SMT RESISTOR 0603 1/10W 22K J
R449	53112322H0	SMT RESISTOR 0603 1/10W 22K J
R511	53112322H0	SMT RESISTOR 0603 1/10W 22K J
R216	53112327H0	SMT RESISTOR 0603 1/10W 27K J
R217	53112327H0	SMT RESISTOR 0603 1/10W 27K J
R218	53112327H0	SMT RESISTOR 0603 1/10W 27K J
R219	53112327H0	SMT RESISTOR 0603 1/10W 27K J
R220	53112327H0	SMT RESISTOR 0603 1/10W 27K J
R221	53112327H0	SMT RESISTOR 0603 1/10W 27K J
R238	53112327H0	SMT RESISTOR 0603 1/10W 27K J
R422	53112333H0	SMT RESISTOR 0603 1/10W 33K J
R561	53112343H0	SMT RESISTOR 0603 1/10W 43K J
R13	53112347H0	SMT RESISTOR 0603 1/10W 47K J
R204	53112347H0	SMT RESISTOR 0603 1/10W 47K J
R205	53112347H0	SMT RESISTOR 0603 1/10W 47K J
R206	53112347H0	SMT RESISTOR 0603 1/10W 47K J
R207	53112347H0	SMT RESISTOR 0603 1/10W 47K J
R208	53112347H0	SMT RESISTOR 0603 1/10W 47K J
R209	53112347H0	SMT RESISTOR 0603 1/10W 47K J
R323	53112347H0	SMT RESISTOR 0603 1/10W 47K J
R329	53112347H0	SMT RESISTOR 0603 1/10W 47K J
R410	53112347H0	SMT RESISTOR 0603 1/10W 47K J
R413	53112347H0	SMT RESISTOR 0603 1/10W 47K J
R428	53112347H0	SMT RESISTOR 0603 1/10W 47K J
R545	53112351H0	SMT RESISTOR 0603 1/10W 51K J
R521	53112356H0	SMT RESISTOR 0603 1/10W 56K J
R504	53112368H0	SMT RESISTOR 0603 1/10W 68K J
R427	53112410H0	SMT RESISTOR 0603 1/10W 100K J
R622	53112410H0	SMT RESISTOR 0603 1/10W 100K J
R633	53112410H0	SMT RESISTOR 0603 1/10W 100K J

9219KK4410 Replacement Parts List

R7	53112410H0	SMT RESISTOR 0603 1/10W 100K J
R8	53112410H0	SMT RESISTOR 0603 1/10W 100K J
R11	53112427H0	SMT RESISTOR 0603 1/10W 270K J
R140	53112510H0	SMT RESISTOR 0603 1/10W 1M J
R528	53112510H0	SMT RESISTOR 0603 1/10W 1M J
L412	53122000H0	SMT RESISTOR 0805 1/8W 0 J
L415	53122000H0	SMT RESISTOR 0805 1/8W 0 J
R358	53122000H0	SMT RESISTOR 0805 1/8W 0 J
R359	53122000H0	SMT RESISTOR 0805 1/8W 0 J
R360	53122000H0	SMT RESISTOR 0805 1/8W 0 J
R361	53122000H0	SMT RESISTOR 0805 1/8W 0 J
R362	53122000H0	SMT RESISTOR 0805 1/8W 0 J
R363	53122000H0	SMT RESISTOR 0805 1/8W 0 J
R523	53122000H0	SMT RESISTOR 0805 1/8W 0 J
R524	53122000H0	SMT RESISTOR 0805 1/8W 0 J
R644	53122000H0	SMT RESISTOR 0805 1/8W 0 J
R645	53122000H0	SMT RESISTOR 0805 1/8W 0 J
R657	53122000H0	SMT RESISTOR 0805 1/8W 0 J
R512	53122010H0	SMT RESISTOR 0805 1/8W 10 J
R535	53122010H0	SMT RESISTOR 0805 1/8W 10 J
R536	53122010H0	SMT RESISTOR 0805 1/8W 10 J
R507	53122020H0	SMT RESISTOR 0805 1/8W 20 J
R516	53122020H0	SMT RESISTOR 0805 1/8W 20 J
R522	53122022H0	SMT RESISTOR 0805 1/8W 22 J
R529	53122047H0	SMT RESISTOR 0805 1/8W 47 J
R519	53122082H0	SMT RESISTOR 0805 1/8W 82 J
R530	53122130H0	SMT RESISTOR 0805 1/8W 300 J
R545	53122156H0	SMT RESISTOR 0805 1/8W 560 J
R546	53122156H0	SMT RESISTOR 0805 1/8W 560 J
R517	53122210H0	SMT RESISTOR 0805 1/8W 1K J
R520	53122227H0	SMT RESISTOR 0805 1/8W 2.7K J
R547	53122256H0	SMT RESISTOR 0805 1/8W 5.6K J
R542	53122282H0	SMT RESISTOR 0805 1/8W 8.2K J
R548	53122282H0	SMT RESISTOR 0805 1/8W 8.2K J
R518	53122310H0	SMT RESISTOR 0805 1/8W 10K J
R526	53122320H0	SMT RESISTOR 0805 1/8W 20K J
R506	53122322H0	SMT RESISTOR 0805 1/8W 22K J
R531	53122339H0	SMT RESISTOR 0805 1/8W 39K J
R534	53122339H0	SMT RESISTOR 0805 1/8W 39K J
R543	53122343H0	SMT RESISTOR 0805 1/8W 43K J
R352	53122362H0	SMT RESISTOR 0805 1/8W 62K J
R544	53122410H0	SMT RESISTOR 0805 1/8W 100K J
R650	53122410H0	SMT RESISTOR 0805 1/8W 100K J
R651	53122410H0	SMT RESISTOR 0805 1/8W 100K J
R652	53122410H0	SMT RESISTOR 0805 1/8W 100K J
R533	53122468H0	SMT RESISTOR 0805 1/8W 680K J
R537	53122510H0	SMT RESISTOR 0805 1/8W 1M J

9219KK4410 Replacement Parts List

R538	53122510H0	SMT RESISTOR 0805 1/8W 1M J
R532	53122533H0	SMT RESISTOR 0805 1/8W 3.3M J
R12	53122610H0	SMT RESISTOR 0805 1/8W 10M J
R612	53131000H0	SMT RESISTOR 1206 1/4W 0 J
R626	53131000H0	SMT RESISTOR 1206 1/4W 0 J
R642	53131000H0	SMT RESISTOR 1206 1/4W 0 J
C511	5320522K01	CAPACITOR EP050B225K-B-B
C519	5325110H90	CAPACITOR CC SL 500V 101J
C518	5325147K00	CAPACITOR CT B 500V 471K
C507	5328110K0Y	CAPACITOR CK45-B3DD101KYL
C515	5328210K00	CAPACITOR CT B 2KV 102K
C547	5329003C90	CAPACITOR CC SL 3KV 030C
C548	5329005D90	CAPACITOR CC SL 3KV 050D
C568	5329005D90	CAPACITOR CC SL 3KV 050D
C501	532B147M20	CAPACITOR ECK-DNS471MBX !
C504	532B147M20	CAPACITOR ECK-DNS471MBX !
C517	532B222M20	CAPACITOR ECK-DNS222MEX !
C135	53311410K0	SMT CAPACITOR 0603 X7R 16V 104K
C136	53311410K0	SMT CAPACITOR 0603 X7R 16V 104K
C137	53311410K0	SMT CAPACITOR 0603 X7R 16V 104K
C138	53311410K0	SMT CAPACITOR 0603 X7R 16V 104K
C201	53311410K0	SMT CAPACITOR 0603 X7R 16V 104K
C202	53311410K0	SMT CAPACITOR 0603 X7R 16V 104K
C203	53311410K0	SMT CAPACITOR 0603 X7R 16V 104K
C347	53311410K0	SMT CAPACITOR 0603 X7R 16V 104K
C404	53311410K0	SMT CAPACITOR 0603 X7R 16V 104K
C406	53311410K0	SMT CAPACITOR 0603 X7R 16V 104K
C408	53311410K0	SMT CAPACITOR 0603 X7R 16V 104K
C530	53311410K0	SMT CAPACITOR 0603 X7R 16V 104K
C612	53311410K0	SMT CAPACITOR 0603 X7R 16V 104K
C637	53311410K0	SMT CAPACITOR 0603 X7R 16V 104K
C638	53311410K0	SMT CAPACITOR 0603 X7R 16V 104K
C642	53311410K0	SMT CAPACITOR 0603 X7R 16V 104K
C643	53311410K0	SMT CAPACITOR 0603 X7R 16V 104K
C697	53311410K0	SMT CAPACITOR 0603 X7R 16V 104K
C699	53311410K0	SMT CAPACITOR 0603 X7R 16V 104K
C368	53311447K0	SMT CAPACITOR 0603 2R 16V 474K
C684	53311447K0	SMT CAPACITOR 0603 2R 16V 474K
C685	53311447K0	SMT CAPACITOR 0603 2R 16V 474K
C106	53311510K0	SMT CAPACITOR 0603 X5R 16V 105K
C401	53311510K0	SMT CAPACITOR 0603 X5R 16V 105K
C402	53311510K0	SMT CAPACITOR 0603 X5R 16V 105K
C411	53311510K0	SMT CAPACITOR 0603 X5R 16V 105K
C414	53311510K0	SMT CAPACITOR 0603 X5R 16V 105K
C416	53311510K0	SMT CAPACITOR 0603 X5R 16V 105K
C419	53311510K0	SMT CAPACITOR 0603 X5R 16V 105K
C422	53311510K0	SMT CAPACITOR 0603 X5R 16V 105K

9219KK4410 Replacement Parts List

C423	53311510K0	SMT CAPACITOR 0603 X5R 16V 105K
C434	53311510K0	SMT CAPACITOR 0603 X5R 16V 105K
C449	53311510K0	SMT CAPACITOR 0603 X5R 16V 105K
C450	53311510K0	SMT CAPACITOR 0603 X5R 16V 105K
C451	53311510K0	SMT CAPACITOR 0603 X5R 16V 105K
C452	53311510K0	SMT CAPACITOR 0603 X5R 16V 105K
C453	53311510K0	SMT CAPACITOR 0603 X5R 16V 105K
C454	53311510K0	SMT CAPACITOR 0603 X5R 16V 105K
C455	53311510K0	SMT CAPACITOR 0603 X5R 16V 105K
C456	53311510K0	SMT CAPACITOR 0603 X5R 16V 105K
C457	53311510K0	SMT CAPACITOR 0603 X5R 16V 105K
C458	53311510K0	SMT CAPACITOR 0603 X5R 16V 105K
C459	53311510K0	SMT CAPACITOR 0603 X5R 16V 105K
C460	53311510K0	SMT CAPACITOR 0603 X5R 16V 105K
C461	53311510K0	SMT CAPACITOR 0603 X5R 16V 105K
C462	53311510K0	SMT CAPACITOR 0603 X5R 16V 105K
C534	53311510K0	SMT CAPACITOR 0603 X5R 16V 105K
C3	53312110H0	SMT CAPACITOR 0603 CG 25V 101J
C326	53312110H0	SMT CAPACITOR 0603 CG 25V 101J
C306	53312122H0	SMT CAPACITOR 0603 CG 25V 221J
C311	53312122H0	SMT CAPACITOR 0603 CG 25V 221J
C318	53312122H0	SMT CAPACITOR 0603 CG 25V 221J
C319	53312122H0	SMT CAPACITOR 0603 CG 25V 221J
C324	53312122H0	SMT CAPACITOR 0603 CG 25V 221J
C325	53312122H0	SMT CAPACITOR 0603 CG 25V 221J
C333	53312122H0	SMT CAPACITOR 0603 CG 25V 221J
C334	53312122H0	SMT CAPACITOR 0603 CG 25V 221J
C335	53312122H0	SMT CAPACITOR 0603 CG 25V 221J
C340	53312122H0	SMT CAPACITOR 0603 CG 25V 221J
C341	53312122H0	SMT CAPACITOR 0603 CG 25V 221J
C342	53312122H0	SMT CAPACITOR 0603 CG 25V 221J
C1	53312210H0	SMT CAPACITOR 0603 CG 25V 102J
C304	53312210H0	SMT CAPACITOR 0603 CG 25V 102J
C313	53312210H0	SMT CAPACITOR 0603 CG 25V 102J
C369	53312210H0	SMT CAPACITOR 0603 CG 25V 102J
C372	53312210H0	SMT CAPACITOR 0603 CG 25V 102J
C373	53312210H0	SMT CAPACITOR 0603 CG 25V 102J
C374	53312210H0	SMT CAPACITOR 0603 CG 25V 102J
C385	53312210H0	SMT CAPACITOR 0603 CG 25V 102J
C386	53312210H0	SMT CAPACITOR 0603 CG 25V 102J
C387	53312210H0	SMT CAPACITOR 0603 CG 25V 102J
C388	53312210H0	SMT CAPACITOR 0603 CG 25V 102J
C468	53312210H0	SMT CAPACITOR 0603 CG 25V 102J
C471	53312210H0	SMT CAPACITOR 0603 CG 25V 102J
C472	53312210H0	SMT CAPACITOR 0603 CG 25V 102J
C473	53312210H0	SMT CAPACITOR 0603 CG 25V 102J
C474	53312210H0	SMT CAPACITOR 0603 CG 25V 102J

9219KK4410 Replacement Parts List

C475	53312210H0	SMT CAPACITOR 0603 CG 25V 102J
C476	53312210H0	SMT CAPACITOR 0603 CG 25V 102J
C6	53312210H0	SMT CAPACITOR 0603 CG 25V 102J
C7	53312210H0	SMT CAPACITOR 0603 CG 25V 102J
C8	53312210H0	SMT CAPACITOR 0603 CG 25V 102J
C606	53312310R0	SMT CAPACITOR 0603 2E 25V 103Z
C607	53312310R0	SMT CAPACITOR 0603 2E 25V 103Z
C611	53312310R0	SMT CAPACITOR 0603 2E 25V 103Z
C2	53312322K0	SMT CAPACITOR 0603 X7R 25V 223K
C10	53312410K0	SMT CAPACITOR 0603 2R 25V 104K
C11	53312410K0	SMT CAPACITOR 0603 2R 25V 104K
C140	53312410K0	SMT CAPACITOR 0603 2R 25V 104K
C149	53312410K0	SMT CAPACITOR 0603 2R 25V 104K
C151	53312410K0	SMT CAPACITOR 0603 2R 25V 104K
C301	53312410K0	SMT CAPACITOR 0603 2R 25V 104K
C302	53312410K0	SMT CAPACITOR 0603 2R 25V 104K
C303	53312410K0	SMT CAPACITOR 0603 2R 25V 104K
C308	53312410K0	SMT CAPACITOR 0603 2R 25V 104K
C309	53312410K0	SMT CAPACITOR 0603 2R 25V 104K
C310	53312410K0	SMT CAPACITOR 0603 2R 25V 104K
C410	53312410K0	SMT CAPACITOR 0603 2R 25V 104K
C412	53312410K0	SMT CAPACITOR 0603 2R 25V 104K
C413	53312410K0	SMT CAPACITOR 0603 2R 25V 104K
C424	53312410K0	SMT CAPACITOR 0603 2R 25V 104K
C430	53312410K0	SMT CAPACITOR 0603 2R 25V 104K
C432	53312410K0	SMT CAPACITOR 0603 2R 25V 104K
C433	53312410K0	SMT CAPACITOR 0603 2R 25V 104K
C467	53312410K0	SMT CAPACITOR 0603 2R 25V 104K
C501	53312410K0	SMT CAPACITOR 0603 2R 25V 104K
C521	53312410K0	SMT CAPACITOR 0603 2R 25V 104K
C526	53312410K0	SMT CAPACITOR 0603 2R 25V 104K
C527	53312410K0	SMT CAPACITOR 0603 2R 25V 104K
C615	53312410K0	SMT CAPACITOR 0603 2R 25V 104K
C616	53312410K0	SMT CAPACITOR 0603 2R 25V 104K
C618	53312410K0	SMT CAPACITOR 0603 2R 25V 104K
C624	53312410K0	SMT CAPACITOR 0603 2R 25V 104K
C626	53312410K0	SMT CAPACITOR 0603 2R 25V 104K
C632	53312410K0	SMT CAPACITOR 0603 2R 25V 104K
C694	53312410K0	SMT CAPACITOR 0603 2R 25V 104K
C695	53312410K0	SMT CAPACITOR 0603 2R 25V 104K
C911	53312410K0	SMT CAPACITOR 0603 2R 25V 104K
C510	53312422K0	SMT CAPACITOR 0603 X5R 25V 224K
C343	53312422M0	SMT CAPACITOR 0603 2E 25V 224M
C344	53312422M0	SMT CAPACITOR 0603 2E 25V 224M
C345	53312422M0	SMT CAPACITOR 0603 2E 25V 224M
C346	53312422M0	SMT CAPACITOR 0603 2E 25V 224M
C348	53312422M0	SMT CAPACITOR 0603 2E 25V 224M

9219KK4410 Replacement Parts List

C349	53312422M0	SMT CAPACITOR 0603 2E 25V 224M
C350	53312422M0	SMT CAPACITOR 0603 2E 25V 224M
C351	53312422M0	SMT CAPACITOR 0603 2E 25V 224M
C353	53312422M0	SMT CAPACITOR 0603 2E 25V 224M
C354	53312422M0	SMT CAPACITOR 0603 2E 25V 224M
C355	53312422M0	SMT CAPACITOR 0603 2E 25V 224M
C356	53312422M0	SMT CAPACITOR 0603 2E 25V 224M
C357	53312422M0	SMT CAPACITOR 0603 2E 25V 224M
C359	53312422M0	SMT CAPACITOR 0603 2E 25V 224M
C360	53312422M0	SMT CAPACITOR 0603 2E 25V 224M
C361	53312422M0	SMT CAPACITOR 0603 2E 25V 224M
C363	53312422M0	SMT CAPACITOR 0603 2E 25V 224M
C364	53312422M0	SMT CAPACITOR 0603 2E 25V 224M
C365	53312422M0	SMT CAPACITOR 0603 2E 25V 224M
C370	53312422M0	SMT CAPACITOR 0603 2E 25V 224M
C371	53312422M0	SMT CAPACITOR 0603 2E 25V 224M
C426	53312510R0	SMT CAPACITOR 0603 2E 25V 105Z
C9	53312510R0	SMT CAPACITOR 0603 2E 25V 105Z
C307	53313018H0	SMT CAPACITOR 0603 CG 50V 180J
C322	53313018H0	SMT CAPACITOR 0603 CG 50V 180J
C323	53313018H0	SMT CAPACITOR 0603 CG 50V 180J
C337	53313018H0	SMT CAPACITOR 0603 CG 50V 180J
C338	53313018H0	SMT CAPACITOR 0603 CG 50V 180J
C339	53313018H0	SMT CAPACITOR 0603 CG 50V 180J
C145	53313022H0	SMT CAPACITOR 0603 CH 50V 220J
C146	53313022H0	SMT CAPACITOR 0603 CH 50V 220J
C4	53313022H0	SMT CAPACITOR 0603 CH 50V 220J
C5	53313022H0	SMT CAPACITOR 0603 CH 50V 220J
C514	53313022H0	SMT CAPACITOR 0603 CH 50V 220J
C143	53313030H0	SMT CAPACITOR 0603 CG 50V 300J
C144	53313030H0	SMT CAPACITOR 0603 CG 50V 300J
C316	53313033H0	SMT CAPACITOR 0603 CH 50V 330J
C312	53313047H0	SMT CAPACITOR 0603 CH 50V 470J
C314	53313047H0	SMT CAPACITOR 0603 CH 50V 470J
C320	53313047H0	SMT CAPACITOR 0603 CH 50V 470J
C321	53313047H0	SMT CAPACITOR 0603 CH 50V 470J
C141	53313068H0	SMT CAPACITOR 0603 CH 50V 680J
C12	53313110H0	SMT CAPACITOR 0603 CH 50V 101J
C508	53313110H0	SMT CAPACITOR 0603 CH 50V 101J
C439	53313133H0	SMT CAPACITOR 0603 CH 50V 331J
C440	53313133H0	SMT CAPACITOR 0603 CH 50V 331J
C533	53313210H0	SMT CAPACITOR 0603 CG 50V 102J
C539	53313210H0	SMT CAPACITOR 0603 CG 50V 102J
C317	53313310K0	SMT CAPACITOR 0603 2R 50V 103K
C328	53313310K0	SMT CAPACITOR 0603 2R 50V 103K
C358	53313310K0	SMT CAPACITOR 0603 2R 50V 103K
C362	53313310K0	SMT CAPACITOR 0603 2R 50V 103K

9219KK4410 Replacement Parts List

C366	53313310K0	SMT CAPACITOR 0603 2R 50V 103K
C516	53313310K0	SMT CAPACITOR 0603 2R 50V 103K
C610	53313310K0	SMT CAPACITOR 0603 2R 50V 103K
C537	53313339K0	SMT CAPACITOR 0603 2R 50V 393K
C617	53313339K0	SMT CAPACITOR 0603 2R 50V 393K
C619	53313339K0	SMT CAPACITOR 0603 2R 50V 393K
C623	53313339K0	SMT CAPACITOR 0603 2R 50V 393K
C634	53313382K0	SMT CAPACITOR 0603 2R 50V 823K
C512	53321547R0	SMT CAPACITOR 0805 2E 16V 475Z
C620	53321547R0	SMT CAPACITOR 0805 2E 16V 475Z
C536	53322522R0	SMT CAPACITOR 0805 2E 25V 225Z
C540	53322522R0	SMT CAPACITOR 0805 2E 25V 225Z
C564	53322522R0	SMT CAPACITOR 0805 2E 25V 225Z
C542	53323147H0	SMT CAPACITOR 0805 CH 50V 471J
C549	53323156H0	SMT CAPACITOR 0805 CH 50V 561J
C569	53323156H0	SMT CAPACITOR 0805 CH 50V 561J
C541	53323210H0	SMT CAPACITOR 0805 CH 50V 102J
C545	53323222H0	SMT CAPACITOR 0805 CH 50V 222J
C546	53323222H0	SMT CAPACITOR 0805 CH 50V 222J
C544	53323247K0	SMT CAPACITOR 0805 X7R 50V 472K
C550	53323310K0	SMT CAPACITOR 0805 X7R 50V 103K
C551	53323310K0	SMT CAPACITOR 0805 X7R 50V 103K
C566	53323310K0	SMT CAPACITOR 0805 X7R 50V 103K
C543	53323347K0	SMT CAPACITOR 0805 X7R 50V 473K
C427	53323410K0	SMT CAPACITOR 0805 X7R 50V 104K
C428	53323410K0	SMT CAPACITOR 0805 X7R 50V 104K
C603	53323410K0	SMT CAPACITOR 0805 X7R 50V 104K
C604	53323410K0	SMT CAPACITOR 0805 X7R 50V 104K
C609	53323410K0	SMT CAPACITOR 0805 X7R 50V 104K
C622	5332A610K0	SMT CAPACITOR 0805 X5R 10V 106K
C644	5332A610K0	SMT CAPACITOR 0805 X5R 10V 106K
C645	5332A610K0	SMT CAPACITOR 0805 X5R 10V 106K
C646	5332A610K0	SMT CAPACITOR 0805 X5R 10V 106K
C661	5332A610K0	SMT CAPACITOR 0805 X5R 10V 106K
C662	5332A610K0	SMT CAPACITOR 0805 X5R 10V 106K
C367	53331547K0	SMT CAPACITOR 1206 X5R 16V 475K
C403	53331610K0	SMT CAPACITOR 1206 X5R 16V 106K
C405	53331610K0	SMT CAPACITOR 1206 X5R 16V 106K
C407	53331610K0	SMT CAPACITOR 1206 X5R 16V 106K
C415	53331610K0	SMT CAPACITOR 1206 X5R 16V 106K
C417	53331610K0	SMT CAPACITOR 1206 X5R 16V 106K
C429	53331610K0	SMT CAPACITOR 1206 X5R 16V 106K
C466	53331610K0	SMT CAPACITOR 1206 X5R 16V 106K
C567	53332522K0	SMT CAPACITOR 1206 X7R 25V 225K
C629	53332522K0	SMT CAPACITOR 1206 X7R 25V 225K
C608	53332610K0	SMT CAPACITOR 1206 X5R 25V 106K
C509	533A1210K0	SMT CAPACITOR 0402 X7R 16V 102K

9219KK4410 Replacement Parts List

C511	533A1210K0	SMT CAPACITOR 0402 X7R 16V 102K
C515	533A1210K0	SMT CAPACITOR 0402 X7R 16V 102K
C519	533A1210K0	SMT CAPACITOR 0402 X7R 16V 102K
C520	533A1210K0	SMT CAPACITOR 0402 X7R 16V 102K
C648	533A1310K0	SMT CAPACITOR 0402 X7R 16V 103K
C101	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C102	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C108	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C109	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C110	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C112	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C116	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C118	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C120	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C122	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C124	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C126	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C128	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C130	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C132	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C134	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C327	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C329	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C330	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C331	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C332	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C381	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C382	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C383	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C384	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C502	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C503	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C504	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C508	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C513	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C516	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C517	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C518	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C527	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C528	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C531	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C532	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C533	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C534	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C535	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C536	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C641	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z

9219KK4410 Replacement Parts List

C647	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C650	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C651	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C652	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C653	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C654	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C655	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C656	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C657	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C658	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C659	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C660	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C663	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C664	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C665	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C666	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C667	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C668	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C669	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C670	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C671	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C672	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C673	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C674	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C675	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C680	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C681	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C682	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C683	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C686	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C687	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C688	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C689	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C690	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C691	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C692	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C693	533A1410R0	SMT CAPACITOR 0402 2E 16V 104Z
C505	533AA510R0	SMT CAPACITOR 0402 2E 10V 105Z
C506	533AA510R0	SMT CAPACITOR 0402 2E 10V 105Z
C510	533AA510R0	SMT CAPACITOR 0402 2E 10V 105Z
C521	533AA510R0	SMT CAPACITOR 0402 2E 10V 105Z
C522	533AA510R0	SMT CAPACITOR 0402 2E 10V 105Z
C523	533AA510R0	SMT CAPACITOR 0402 2E 10V 105Z
C524	533AA510R0	SMT CAPACITOR 0402 2E 10V 105Z
C525	533AA510R0	SMT CAPACITOR 0402 2E 10V 105Z
C526	533AA510R0	SMT CAPACITOR 0402 2E 10V 105Z
C649	533AA510R0	SMT CAPACITOR 0402 2E 10V 105Z

9219KK4410 Replacement Parts List

C676	533AA510R0	SMT CAPACITOR 0402 2E 10V 105Z
C677	533AA510R0	SMT CAPACITOR 0402 2E 10V 105Z
C678	533AA510R0	SMT CAPACITOR 0402 2E 10V 105Z
C679	533AA510R0	SMT CAPACITOR 0402 2E 10V 105Z
C503	5342B422K0	CAPACITOR 250VAC 0.22uF K !
C506	5342B422K0	CAPACITOR 250VAC 0.22uF K !
C502	5342B433K0	CAPACITOR 275VAC 0.33uF K !
C435	534B0447H1	CAPACITOR CL21X 50V 474J
C436	534B0447H1	CAPACITOR CL21X 50V 474J
C509	53607715M4	ELE CAPACITOR KXW 400V 150uF M(D18)
C625	5366C722M1	ELE CAPACITOR CD110 10V 220uF M
C409	5366D747M1	ELE CAPACITOR CD110 16V 470uF M
C418	53670610M3	ELE CAPACITOR CD288H 50V 10uF M
C431	53670610M3	ELE CAPACITOR CD288H 50V 10uF M
C305	5367D733M3	ELE CAPACITOR RLF 16V 330uF M(D8
C315	5367D733M3	ELE CAPACITOR RLF 16V 330uF M(D8
C531	5367D733M3	ELE CAPACITOR RLF 16V 330uF M(D8
C631	5367D733M3	ELE CAPACITOR RLF 16V 330uF M(D8
C514	5367E610M0	ELE CAPACITOR CD110H 25V 10uF M
C522	5367E810M5	ELE CAPACITOR RLF 25V 1000UF M(D10
C524	5367E810M5	ELE CAPACITOR RLF 25V 1000UF M(D10
C525	5367E810M5	ELE CAPACITOR RLF 25V 1000UF M(D10
C528	5367E810M5	ELE CAPACITOR RLF 25V 1000UF M(D10
C529	5367E810M5	ELE CAPACITOR RLF 25V 1000UF M(D10
C535	5367E810M5	ELE CAPACITOR RLF 25V 1000UF M(D10
C621	5367E810M5	ELE CAPACITOR RLF 25V 1000UF M(D10
C635	5367E810M5	ELE CAPACITOR RLF 25V 1000UF M(D10
C512	5367F710M4	ELE CAPACITOR CD288H 35V 100uF M
C538	5367F722M3	ELE CAPACITOR RLF 35V 220uF M(D8
C601	5367F722M3	ELE CAPACITOR RLF 35V 220uF M(D8
C602	5367F722M3	ELE CAPACITOR RLF 35V 220uF M(D8
C605	5367F722M3	ELE CAPACITOR RLF 35V 220uF M(D8
C437	5367F810M5	ELE CAPACITOR RLF 35V 1000UF M
C438	5367F810M5	ELE CAPACITOR RLF 35V 1000UF M
C633	5367F810M5	ELE CAPACITOR RLF 35V 1000UF M
C447	53703622A0	SMT ELE CAPACITOR CDPS 10V 22uF M
C448	53703622A0	SMT ELE CAPACITOR CDPS 10V 22uF M
C425	53703647B0	SMT ELE CAPACITOR CDPS 10V 47uF M
C463	53703647B0	SMT ELE CAPACITOR CDPS 10V 47uF M
C150	53703710B0	SMT ELE CAPACITOR CDPS 10V 100uF M
C507	53703710B0	SMT ELE CAPACITOR CDPS 10V 100uF M
C639	53703722D0	SMT ELE CAPACITOR CDPS 10V 220uF M
C640	53703722D0	SMT ELE CAPACITOR CDPS 10V 220uF M
C698	53703722D0	SMT ELE CAPACITOR CDPS 10V 220uF M
C912	53704610A0	SMT ELE CAPACITOR CDPS 16V 10uF M
C336	53704710C0	SMT ELE CAPACITOR CDPS 16V 100uF M
C420	53704722D0	SMT ELE CAPACITOR CDPS 16V 220uF M

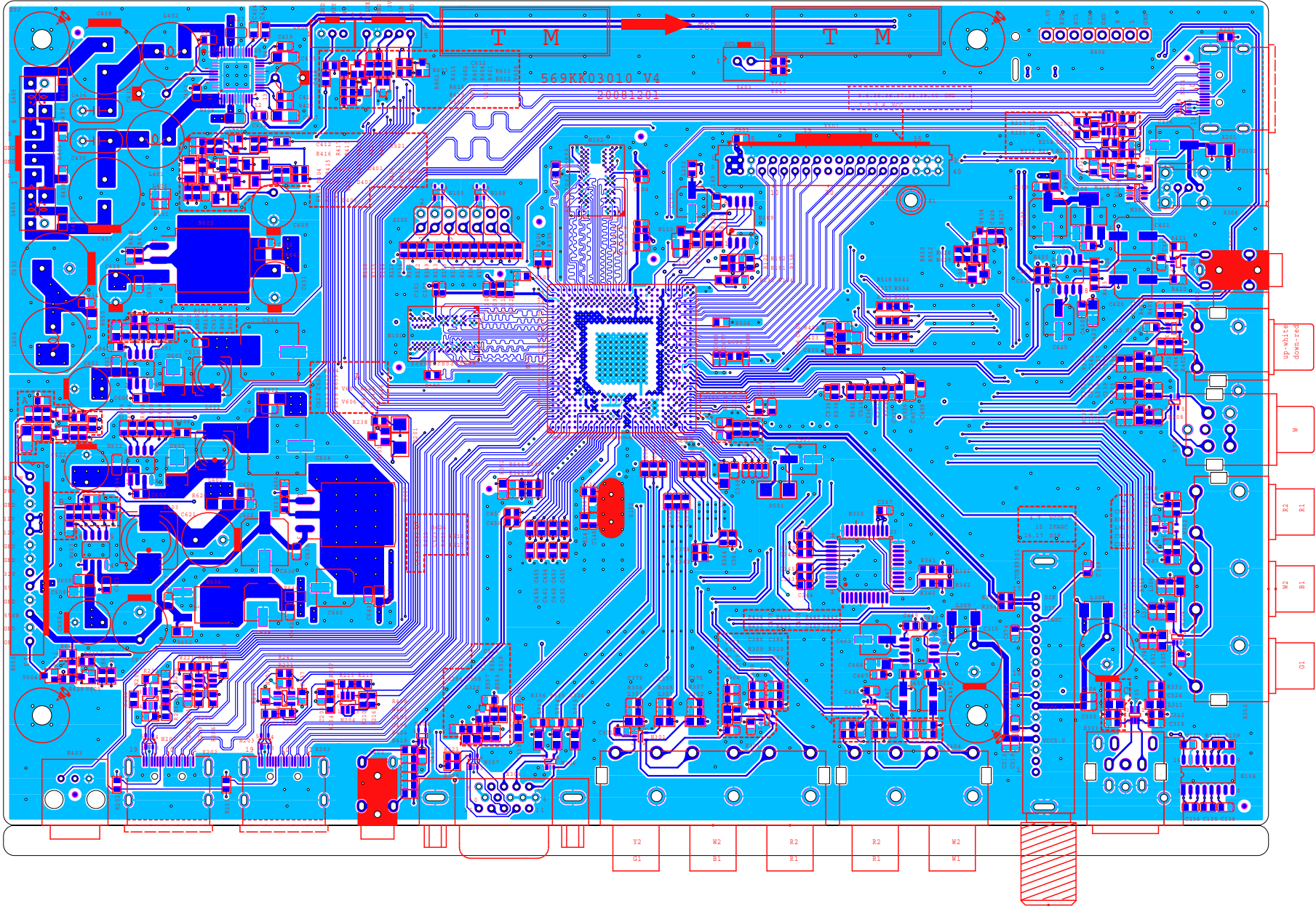
9219KK4410 Replacement Parts List

C421	53704722D0	SMT ELE CAPACITOR CDPS 16V 220uF M
C613	53706747F0	SMT ELE CAPACITOR CDPS 25V 470uF M
C614	53706747F0	SMT ELE CAPACITOR CDPS 25V 470uF M
L308	53912A18K0	SMT INDUCTANCE SGMI2012-1R8KT
L311	53912A18K0	SMT INDUCTANCE SGMI2012-1R8KT
L312	53912A18K0	SMT INDUCTANCE SGMI2012-1R8KT
L316	53912A18K0	SMT INDUCTANCE SGMI2012-1R8KT
L317	53912A18K0	SMT INDUCTANCE SGMI2012-1R8KT
L318	53912A18K0	SMT INDUCTANCE SGMI2012-1R8KT
L319	53912A18K0	SMT INDUCTANCE SGMI2012-1R8KT
L320	53912A18K0	SMT INDUCTANCE SGMI2012-1R8KT
R364	53912B33K0	SMT INDUCTANCE SGMI2012GR33KT
R365	53912B33K0	SMT INDUCTANCE SGMI2012GR33KT
R366	53912B33K0	SMT INDUCTANCE SGMI2012GR33KT
L304	53925022K0	SMT INDUCTANCE NLC453232T-220K
L309	53925022K0	SMT INDUCTANCE NLC453232T-220K
L9	53941B33K2	SMT INDUCTANCE STLI1608-R33KT
L601	53997010M0	SMT INDUCTANCE SLF7032T-100MIR4-2PF
L602	53997010M0	SMT INDUCTANCE SLF7032T-100MIR4-2PF
L603	53999015M0	SMT INDUCTANCE SLF10145T150M2R2-PF
L310	539E2B22H0	SMT INDUCTANCE ELJNDR22JF
R15	53B2000003	SMT THERMISTER ULCE1005A015FR
RT501	53B4005001	THERMISTER 5D2-14LC !
	56203E3050	WIRE (3 PIN)
N109	568KK0001A	SOFTWARE MAIN CPU ATSC CPT185 Bes
	569KK0301A	MAIN PCB LC-19KK44
	569KK03050	BUTTON PCB LC-19KK44
	569KK03090	INFRARED SENSOR PCB LC-19KK44
	569KK0346A	FM CONNECTION PCB LC-19KK44
	569KT05200	POWER PCB LC-19KT46
	570030101A	LIGHT CONDUCTING COLUMN
	572011201C	POWER CORD CLASP
SRP501	580B450110	HEAT SINK
SRP502	580B700110	HEAT SINK
N103	580Q280110	HEAT SINK
	58A0080800	FM BOARD BRACKET
	58B0039910	BUTTON BRACKET
	58B0040060	SIDE BUTTON BRACKET
	58B004042A	POWER CORD BRACKET
	58B0040520	SPEAKER BRACKET
	58B0040620	REMOTE BRACKET
	5942KK0010	CIRCUIT DIAGRAM LC-19KT46
	594600624A	INTERLEAF (BBY)
	59621192P8	POLY BAG 630X550
	59621199P8	POLY BAG 420X350
	5982A30062	SCREW GB9074. 4 M3X6-D.Ni
	5986A00531	SCREW M3X7

9219KK4410 Replacement Parts List

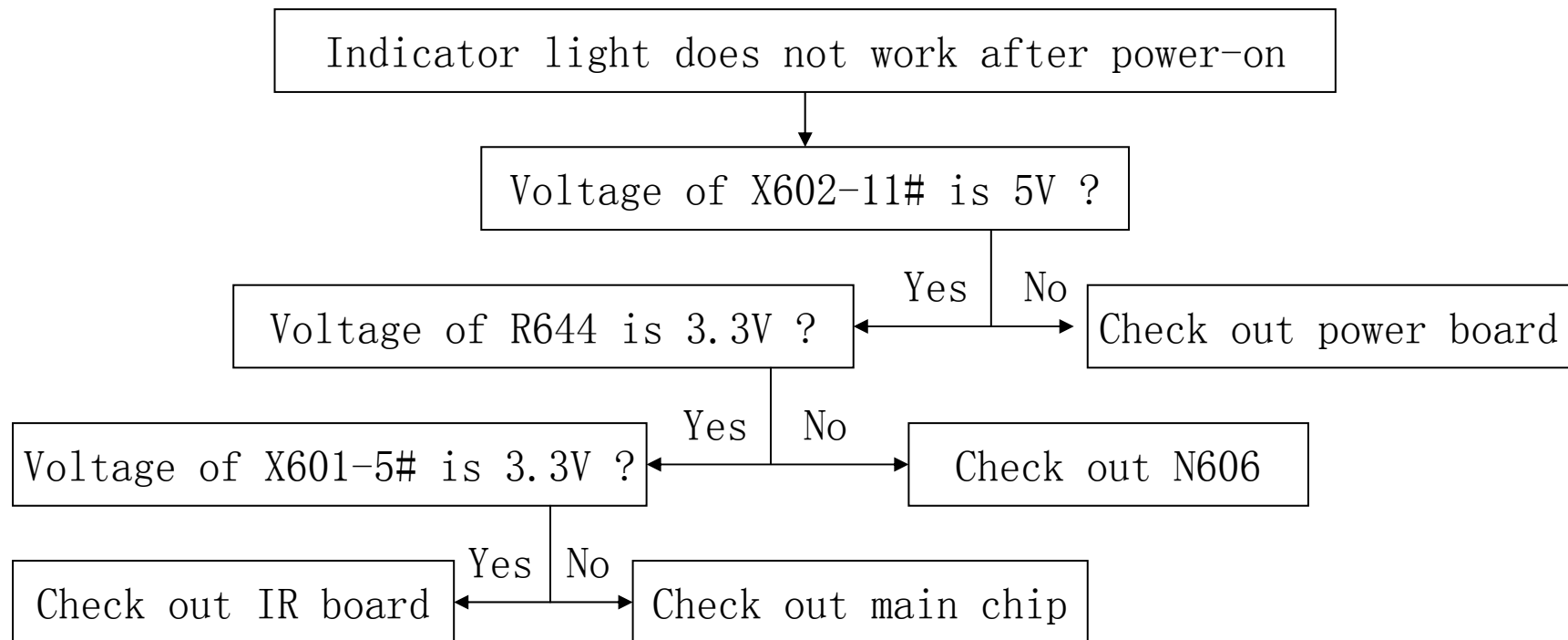
	5986A00761	SCREW M5X10
	59A3100041	FLOSS FABRIC
	59A3100041	FLOSS FABRIC
	59A3100041	FLOSS FABRIC
	59A5001300	WIRE FIXED BLADE NS-L19X-10A, INSIGN
	5A24634233	BACK NAME PLATE LABEL
	5A31170010	FRONT NAME PLATE INSIGNIA 19"
	5A31170010	FRONT NAME PLATE INSIGNIA 19"
	5B02907001	PACKING BOX NS-L19X-10A, INSIGNIA
	5H1944H020	BACK CABINET 19 N U
	5Z19440030	MIDDLE CABINET
	690HA00001	DUMMY ASSY

9219KK4410 Printed Circuit Board



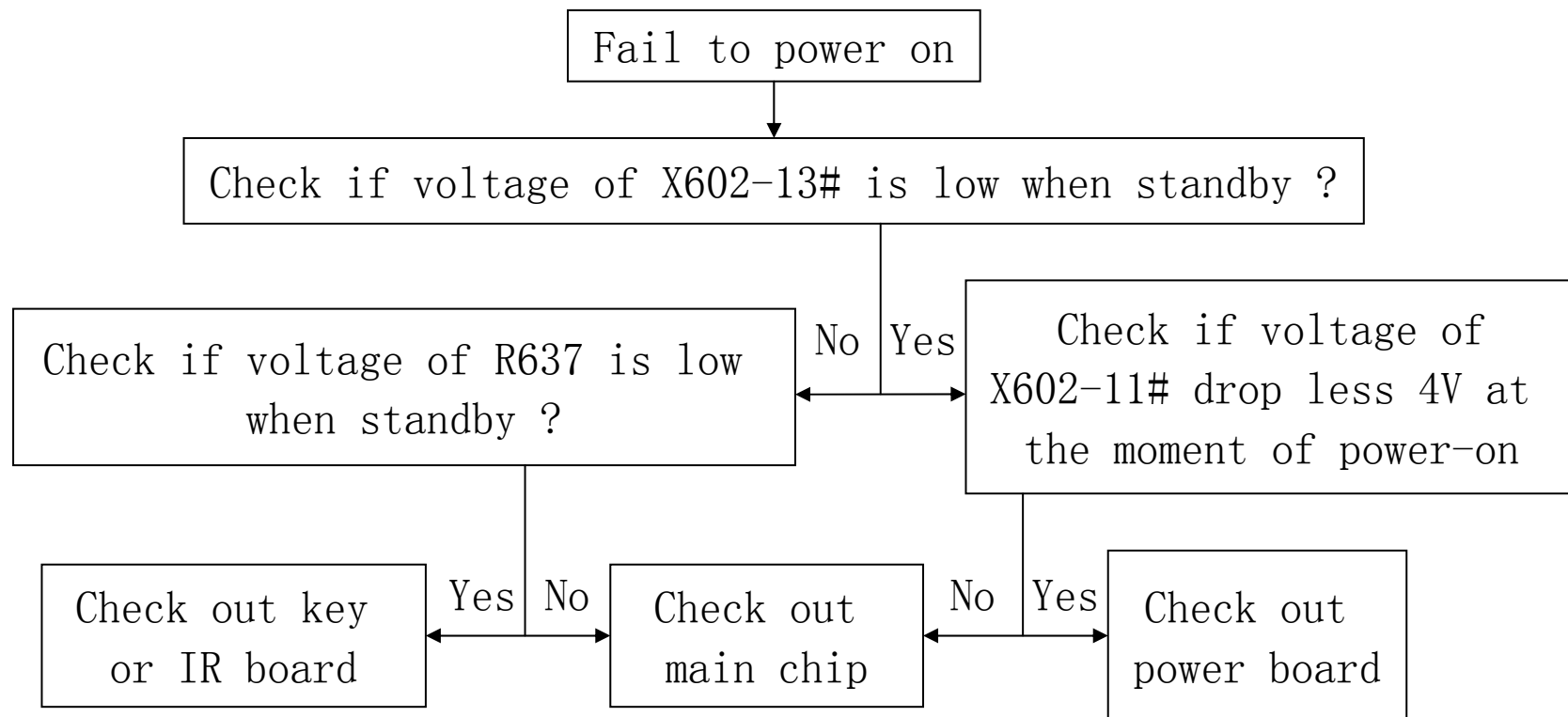
Troubleshooting Guides

(1) Indicator light does not work after power-on



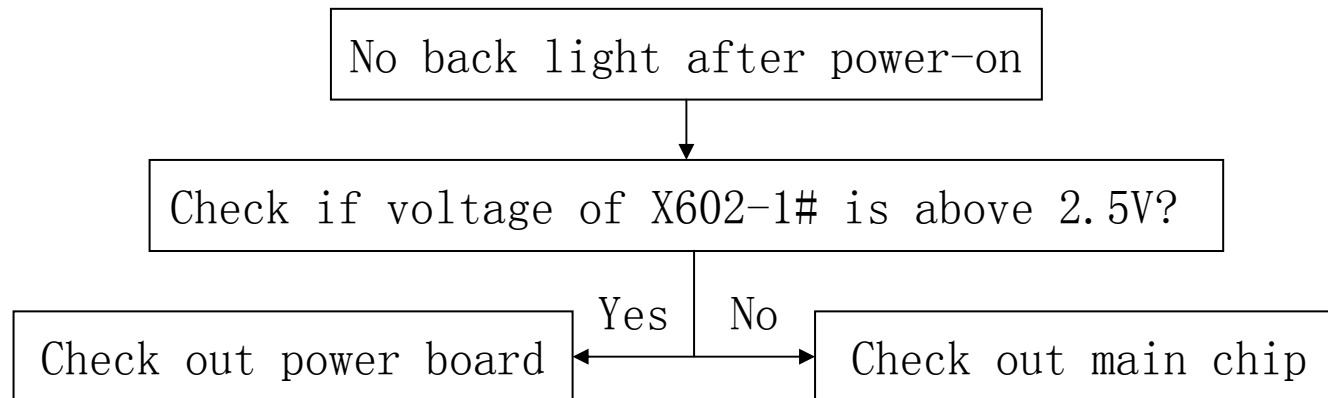
Troubleshooting Guides

- (2) The set cannot work with key control or remote control and indicator light is keeping red after power-on .



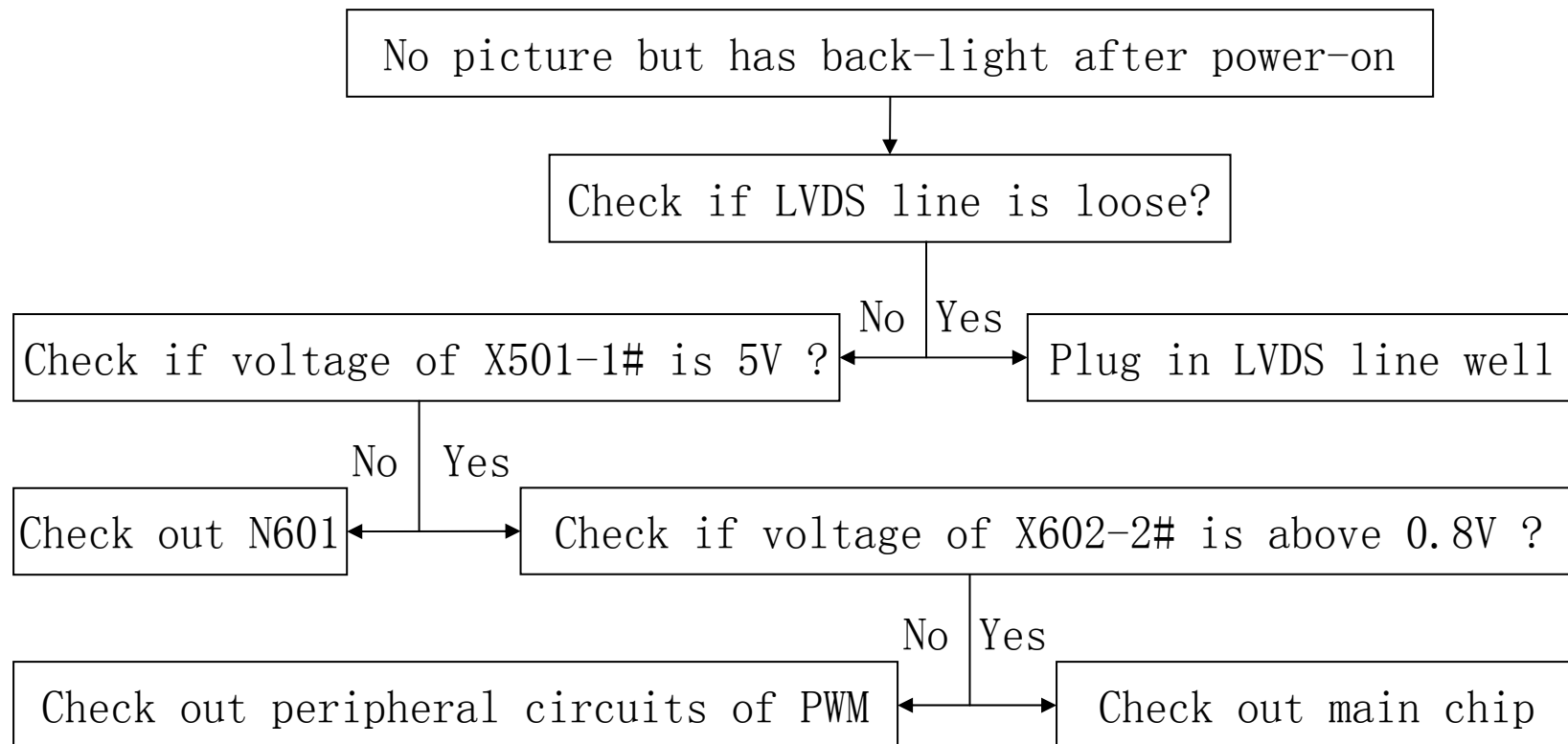
Troubleshooting Guides

(3) No back light after power-on



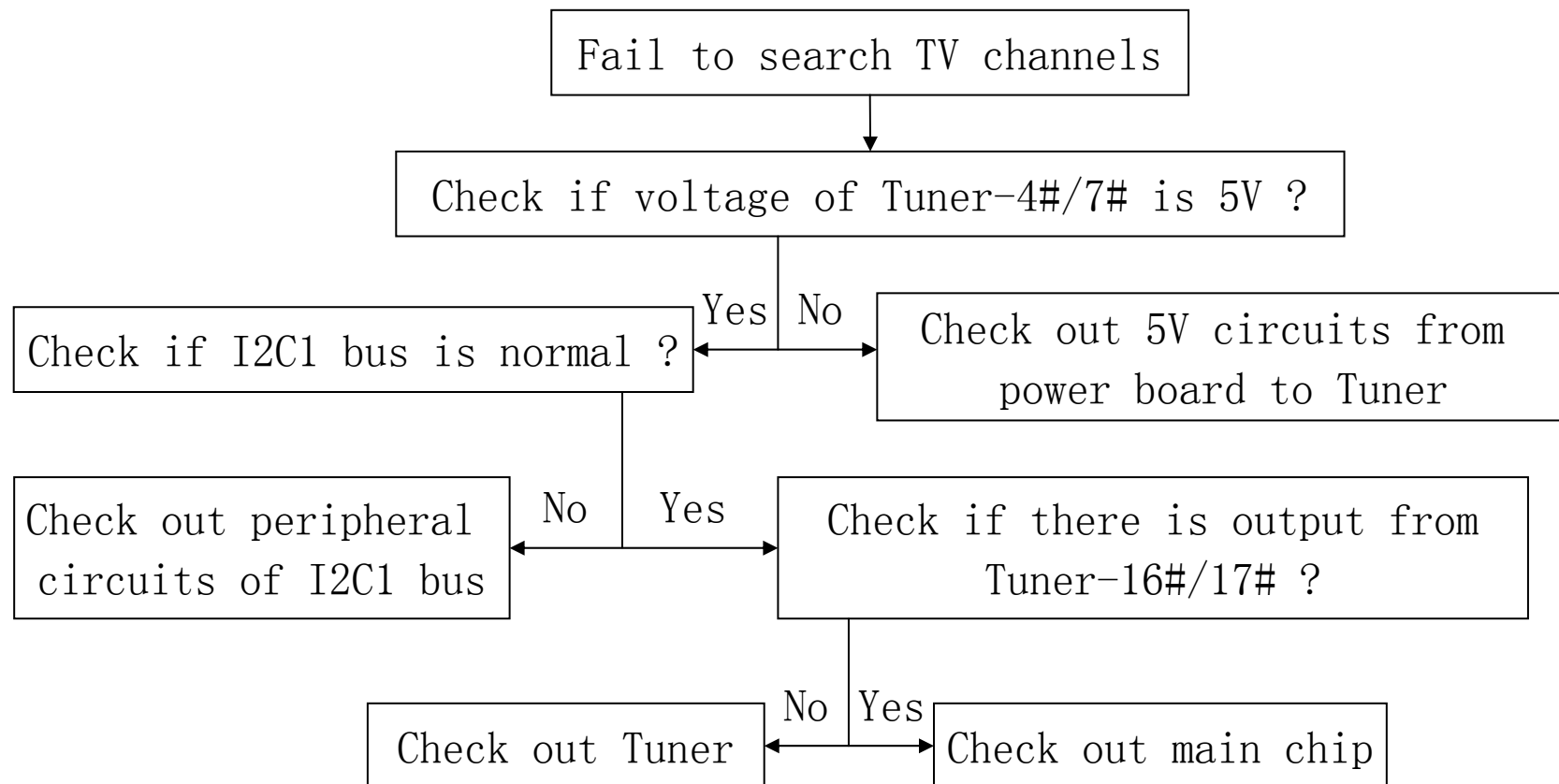
Troubleshooting Guides

(4) No picture but has back-light after power-on



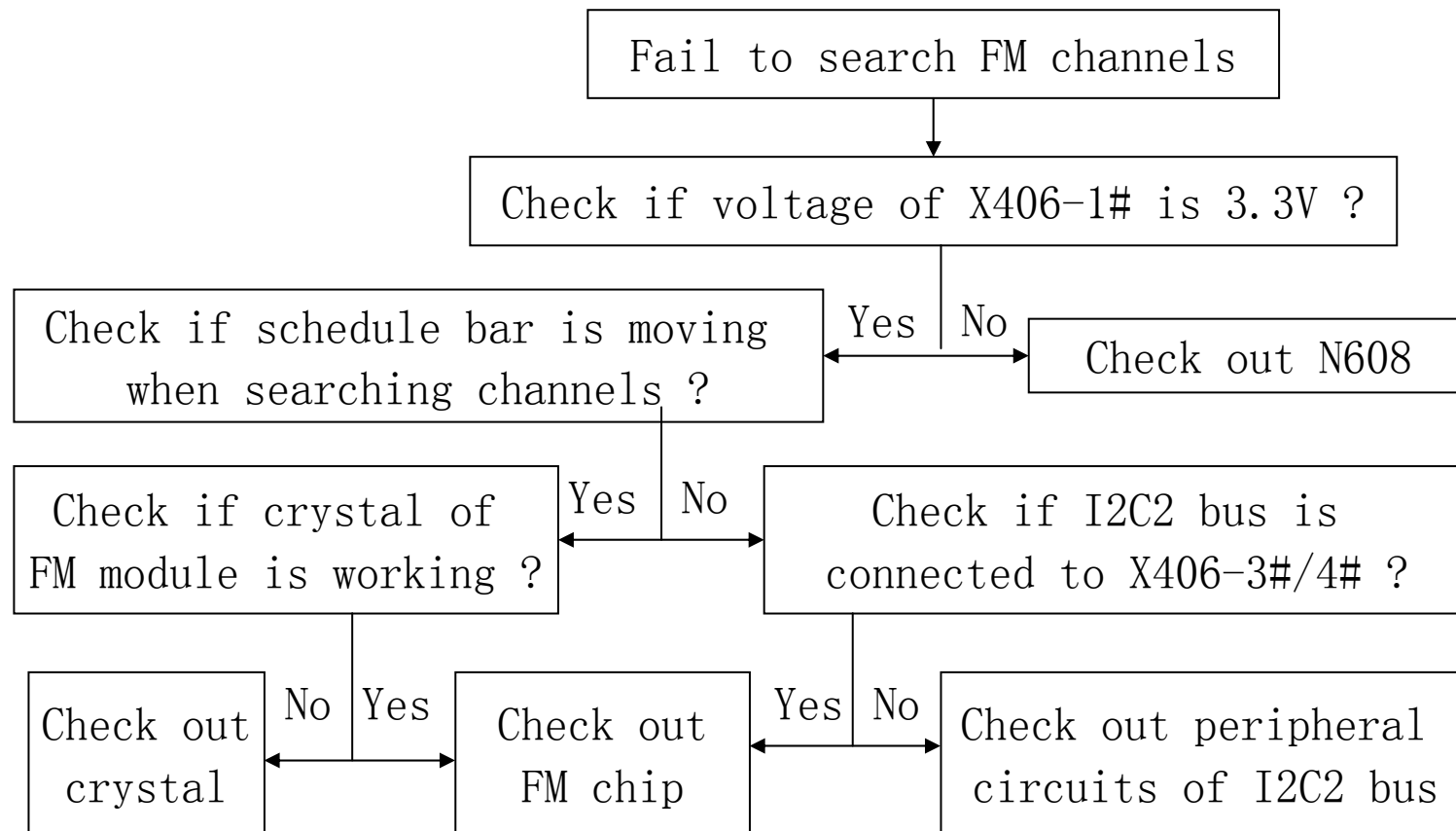
Troubleshooting Guides

(5) Fail to search TV channels



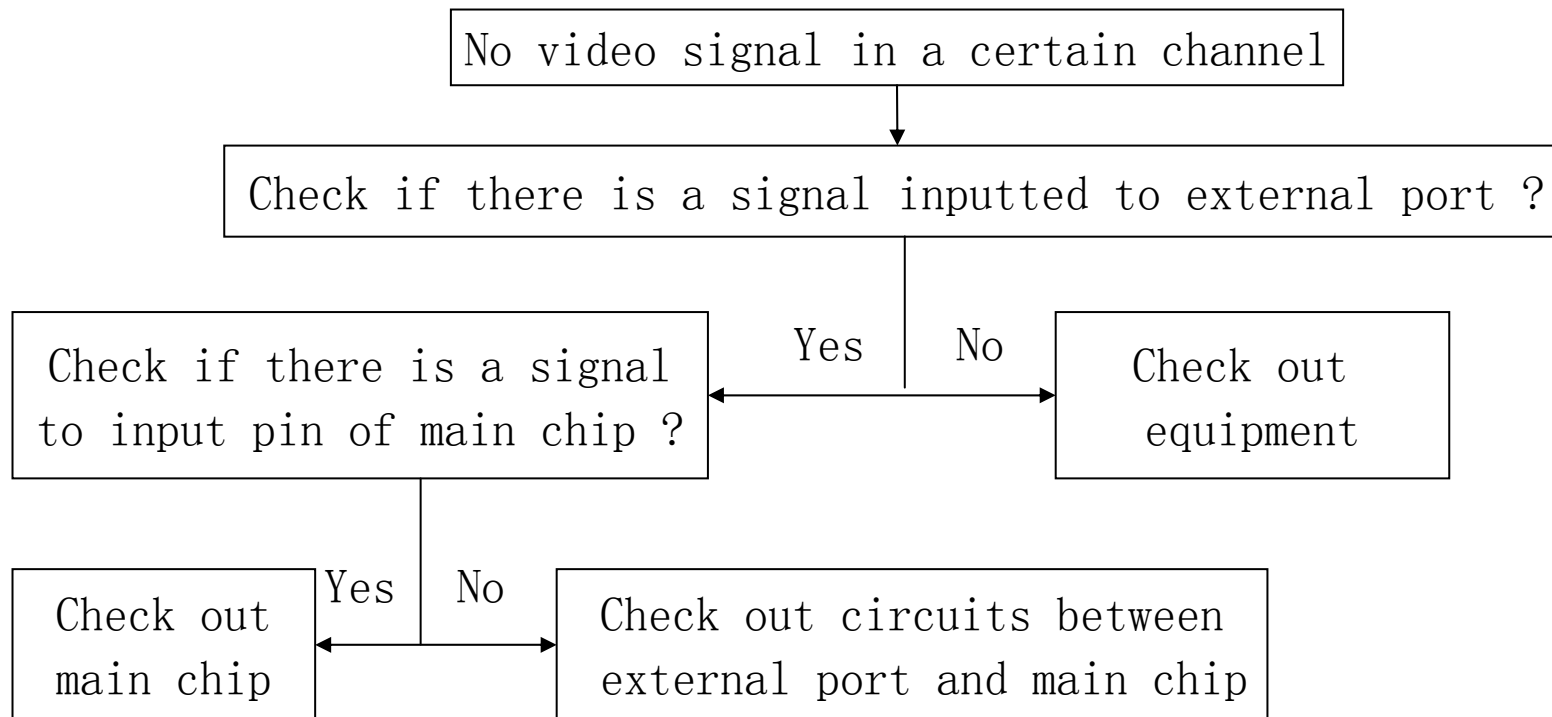
Troubleshooting Guides

(6) Fail to search FM channels



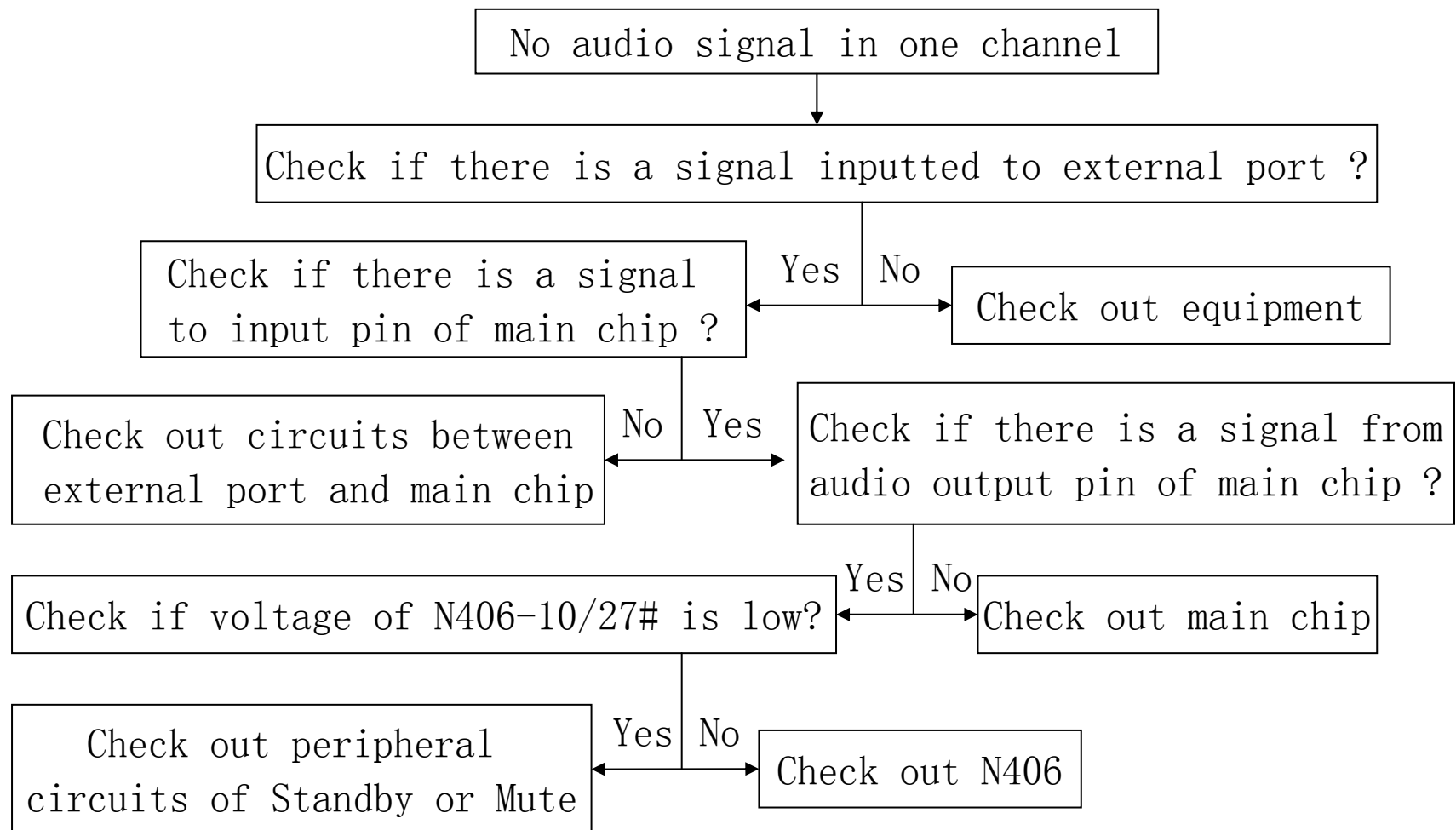
Troubleshooting Guides

(7) No video signal in a certain channel



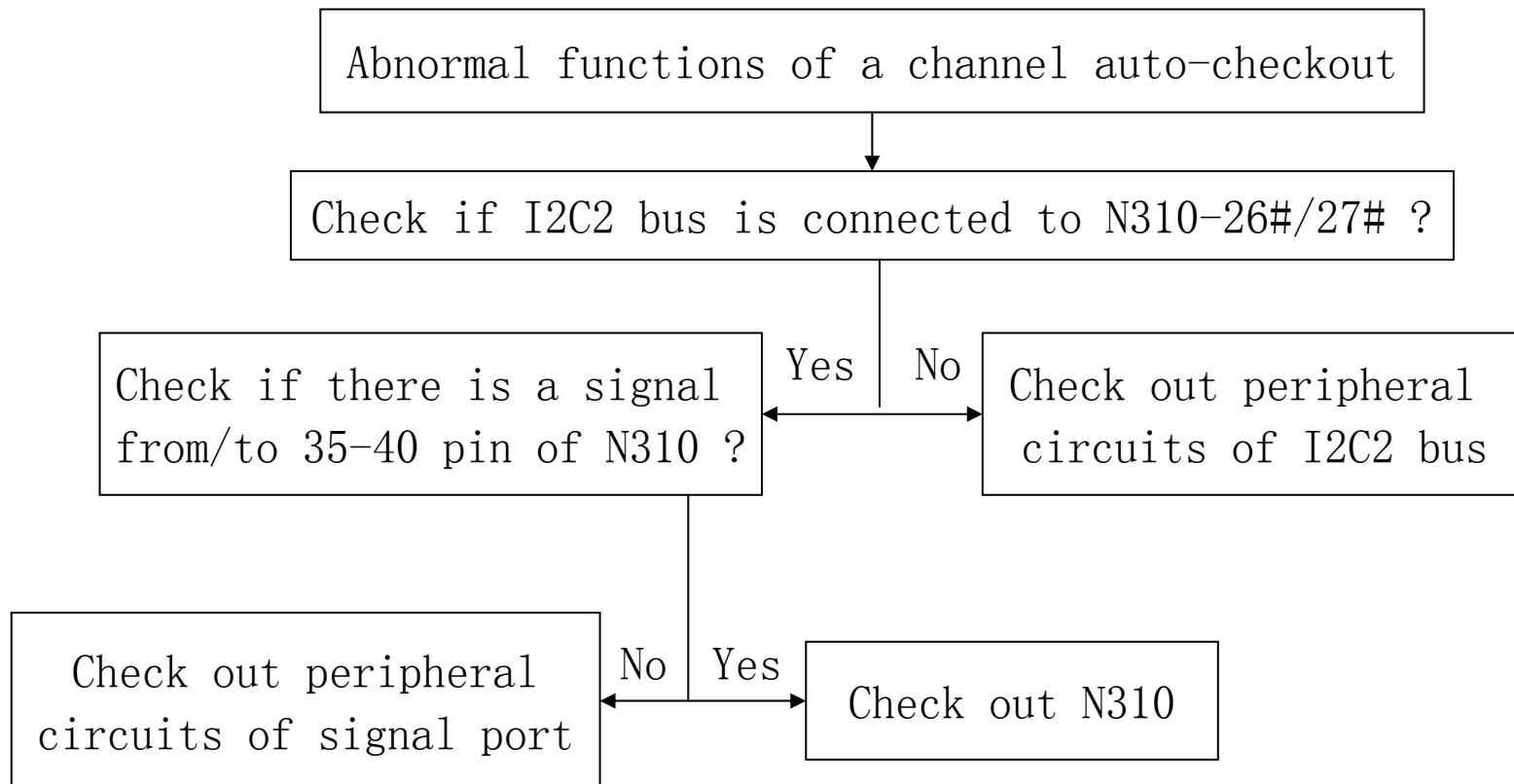
Troubleshooting Guides

(8) No audio signal in one channel



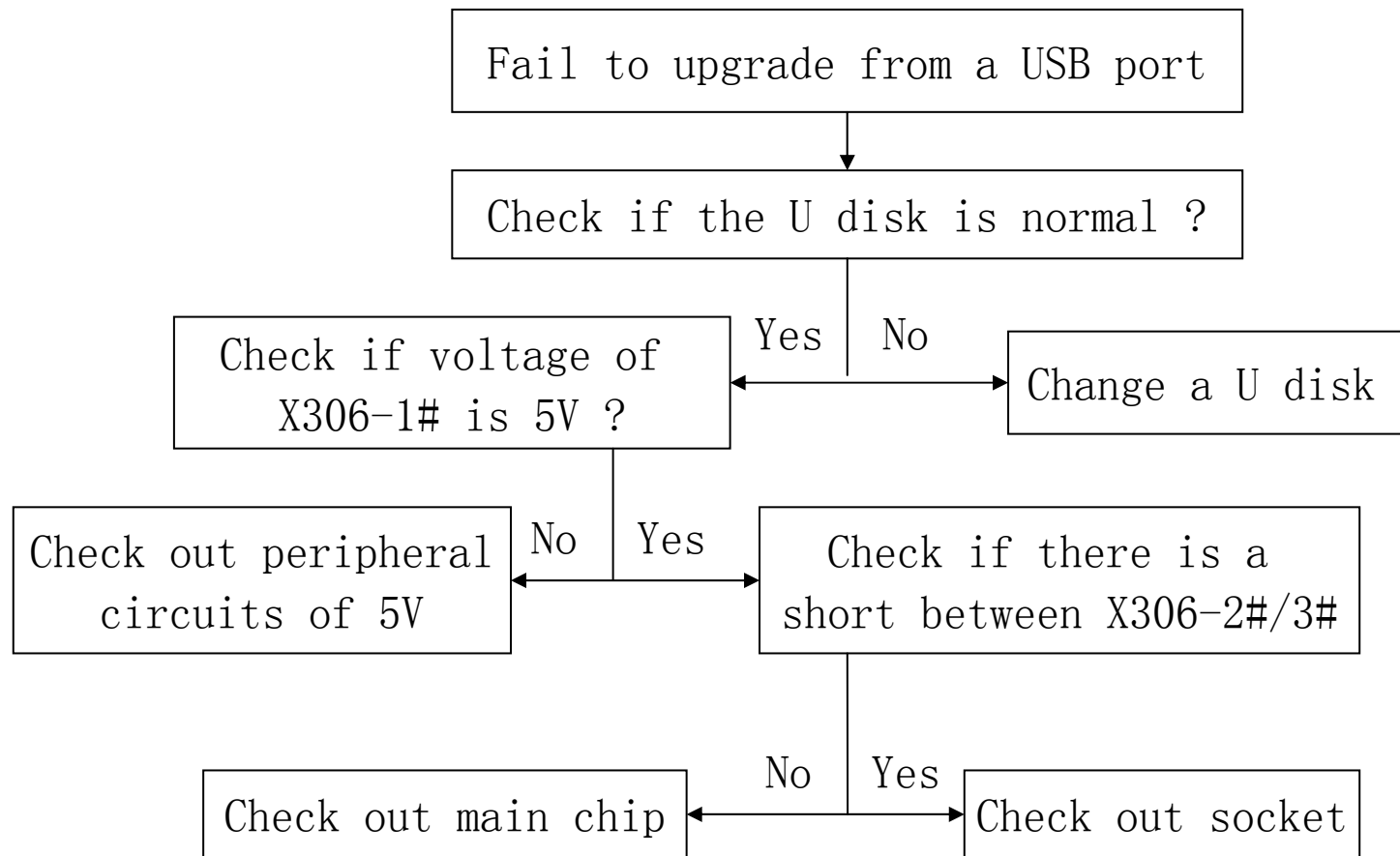
Troubleshooting Guides

(9) Abnormal functions of a channel auto-checkout



Troubleshooting Guides

(10) Fail to upgrade from USB port



Troubleshooting Guides

(11) No sound from earphone or Audio Out

