

Service  
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# Service Manual

Horizontal Frequency  
31~60 kHz

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### SAFETY NOTICE

ANY PERSON ATTEMPTING TO SERVICE THIS CHASSIS MUST FAMILIARIZE HIMSELF WITH THE CHASSIS AND BE AWARE OF THE NECESSARY SAFETY PRECAUTIONS TO BE USED WHEN SERVICING ELECTRONIC EQUIPMENT CONTAINING HIGH VOLTAGES.

CAUTION: USE A SEPARATE ISOLATION TRANSFORMER FOR THIS UNIT WHEN SERVICING

## **Important Safety Notice**

Proper service and repair is important to the safe, reliable operation of all AOC Company Equipment. The service procedures recommended by AOC and described in this service manual are effective methods of performing service operations. Some of these service operations require the use of tools specially designed for the purpose. The special tools should be used when and as recommended.

It is important to note that this manual contains various CAUTIONS and NOTICES which should be carefully read in order to minimize the risk of personal injury to service personnel. The possibility exists that improper service methods may damage the equipment. It is also important to understand that these CAUTIONS and NOTICES ARE NOT EXHAUSTIVE. AOC could not possibly know, evaluate and advise the service trade of all conceivable ways in which service might be done or of the possible hazardous consequences of each way. Consequently, AOC has not undertaken any such broad evaluation. Accordingly, a servicer who uses a service procedure or tool which is not recommended by AOC must first satisfy himself thoroughly that neither his safety nor the safe operation of the equipment will be jeopardized by the service method selected.

Hereafter throughout this manual, AOC Company will be referred to as AOC.

### **WARNING**

Use of substitute replacement parts, which do not have the same, specified safety characteristics might create shock, fire, or other hazards.

Under no circumstances should the original design be modified or altered without written permission from AOC. AOC assumes no liability, express or implied, arising out of any unauthorized modification of design.

Servicer assumes all liability.

### **FOR PRODUCTS CONTAINING LASER:**

**DANGER**-Invisible laser radiations when open AVOID DIRECT EXPOSURE TO BEAM.

**CAUTION**-Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

**CAUTION** -The use of optical instruments with this product will increase eye hazard.

**TO ENSURE THE CONTINUED RELIABILITY OF THIS PRODUCT, USE ONLY ORIGINAL MANUFACTURER'S REPLACEMENT PARTS, WHICH ARE LISTED WITH THEIR PART NUMBERS IN THE PARTS LIST SECTION OF THIS SERVICE MANUAL.**

Take care during handling the LCD module with backlight unit

-Must mount the module using mounting holes arranged in four corners.

-Do not press on the panel, edge of the frame strongly or electric shock as this will result in damage to the screen.

-Do not scratch or press on the panel with any sharp objects, such as pencil or pen as this may result in damage to the panel.

-Protect the module from the ESD as it may damage the electronic circuit (C-MOS).

-Make certain that treatment person's body is grounded through wristband.

-Do not leave the module in high temperature and in areas of high humidity for a long time.

-Avoid contact with water as it may a short circuit within the module.

-If the surface of panel becomes dirty, please wipe it off with a soft material. (Cleaning with a dirty or rough cloth may damage the panel.)



## 1. General Specification

Specifications	
Panel	22" Diagonal, 16:10 Aspect Ratio
Resolution	1680 x 1050 pixels
Pixel (Dot) Pitch	0.282mm (H) x 0.282 mm (V)
Display Compatibility	HDTV (720P)
Brightness	300 cd/m <sup>2</sup> (typical)
Contrast	1000:1 (typical)
Response Time	5ms (typical)
Viewing Angle	160° (horizontal), 160° (vertical)
Inputs	1x Co-axial RF (ATSC/QAM/NTSC), 1x HDMI™ with HDCP, 1x Component YPbPr plus Stereo Audio, 1x RGB PC plus Stereo Audio, 1x S-Video plus Stereo Audio, 1x Composite Video
Outputs	1x Headphone, 1X SPDF
Features	De-interlacer, 3D Comb Filter, 3:2 Pull Down Recovery, Sleep Timer, Wall Mountable, Multiple Picture Mode, Time Set, V-Chip Parental Control, Digital Closed Caption. Supports 480i (SDTV), 480P (EDTV), 720P (HDTV), 1080i (HDTV) TV Signals.
Speakers	3 Watts x 2
Power	
Input	IEC Connector for direct power line connection
Voltage Range	100 ~ 240Vac at 50/60Hz
Power Consumption	60W max.
Environmental Conditions	
Operating	Temperature: 5°C~35°C, Relative Humidity: 20~80%, Altitude: 0~12,000 ft
Non-Operating	Temperature: -20°C~50°C, Relative Humidity: 10~90%, Altitude: 0~40,000 ft
Dimensions	20.2" W x 15.8" H x 5.7" D with stand; 20.2" W x 14.4" H x 2.6" D without stand
Net Weight	13.3 lbs with stand, 12.1 lbs without stand
Certifications	CSA/C-UL, FCC Class B

\*Product specifications may change without notice or obligation.

## 2. Operating Instructions

### 2.1 The Use of Remote Control

**REMOTE LED** – Blinks when the remote operates.

**POWER** – Press this button to turn the TV on from the Standby mode. Press it again to return to the Standby mode.

**NUMBER BUTTON PAD** – Use these buttons to select a channel or enter a password.

**INPUT** – This button allows the user to select the video input signal source.

- **(Dash)** – Use this button for the separation (-) of main and sub-channels when selecting a digital channel directly. For example, channel 28-2 would be selected by the following button sequence: 2, 8, (-), 2.

**CH (+ or -)** – These buttons change the channels up or down.

**VOL (+ or -)** – Press to increase (+) or decrease (-) the volume.

**LAST** – This button recalls the previously viewed channel.

**MUTE** – This button turns the sound on and off.

**MENU** – Use this button to access the On-Screen Display (OSD) menus.

**INFO** – This button displays the image and system information display.

**GUIDE** – This button displays program information. Note: this button is only functional for DTV.

**EXIT** – This button exits the On-Screen Display (OSD) menus.

 - These buttons navigate the On-Screen Display (OSD).

**OK** – Use this button to select your chosen option in On-Screen Display (OSD) menus.



**WIDE** – This button cycles through the available screen formats. The options are Normal, Zoom, Wide1, Wide2 and Cinema. The options when a PC is connected are Normal and Wide.

**SLEEP** – This button allows the user to select the sleep options by adjusting the timer for OFF, 5, 10, 15, 30, 45, 60, 90, 120, 180, or 240 minutes.

**MTS** – This button will select the MTS options of Stereo, SAP or Mono in TV mode and alternate audio channels, where available, in DTV mode.

**CC** – This button will select the Closed Caption mode. The options are OFF, CC1, CC2, CC3 or CC4.

**TV** – Press this button to select TV.

**AV** – Repeated pressing of this button will switch between AV1 (Composite, yellow RCA) and AV2 (S-Video) inputs.

**COMPONENT** – Press this button to select the Component (YPbPr) input.

**HDMI** – Press this button to select HDMI input source.

**ZOOM (- and +)** – These buttons have no effect because this function is not available on this HDTV.

**FREEZE** – This button has no effect because this function is not available on this HDTV.

**RGB** – This button selects an RGB Analog component such as a PC.

**PIP** – This button has no effect because this function is not available on this HDTV.

**PIP CH (- and +)** – These buttons have no effect because this function is not available on this HDTV.

**AUDIO** – This button has no effect because this function is not available on this HDTV.

**PIP INPUT** – This button has no effect because this function is not available on this HDTV.

**PIP SIZE** – This button has no effect because this function is not available on this HDTV.

**MODE** – This button has no effect because this function is not available on this HDTV.

**SWAP** – This button has no effect because this function is not available on this HDTV.



## 2.2 To Use the Menus

1. Press the MENU button on the remote control or the side of the TV and the OSD menu will be shown on the screen.
2. Press the UP and Down arrow buttons on the remote control buttons or the CH + or CH – buttons on the side of the HDTV to select one of the other menu options.
3. Once the menu option is displayed, press the Left arrow button on the remote control or the VOL + or VOL – button on the side of the TV to select one of the items to adjust.
4. Press the MENU button to return to previous screen when finished.
5. Repeat steps 2 through 5 to adjust additional options within this menu.
6. Once the adjustments are completed press the EXIT button to exit the OSD completely.

### MAIN MENU

The OSD consists of several menu options: SETUP, VIDEO, AUDIO and FEATURE.

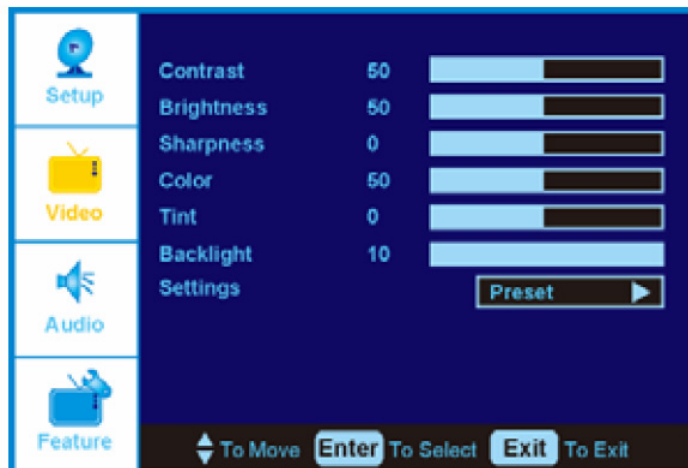
Note: Some of the submenu options may vary depending on your selected input source.



### USING YOUR TV

#### Picture adjustment

Press the MENU button to activate the On Screen Display (OSD), select the VIDEO option to adjust the contrast, brightness, sharpness, color, tint and the backlight.



#### Contrast

Press the Right and Left arrow buttons to start adjusting the contrast and the menu page will disappear and be

replaced by a small Contrast Indicator Bar so you can see the contrast level between the minimum and maximum available levels.

The Contrast adjusts the white levels in the picture. If the contrast is too low the picture will look washed out and if the contrast is too high you will not be able to see any detail in the bright parts of a picture.

### **Brightness**

Select the Brightness option in the Video submenu.

Press the Right and Left arrow buttons to start adjusting the Brightness and the menu page will disappear and be replaced by a small Brightness Indicator Bar so you can see the brightness level between the minimum and maximum available levels.

The Brightness adjusts the black levels in the picture. If the brightness is too low you will not be able to see the detail in darker parts of the picture and if the brightness is too high the picture will look washed out.

### **Sharpness**

Select the Sharpness option in the Video submenu. Press the Right and Left arrow buttons to start adjusting the Sharpness and the menu page will disappear and be replaced by a small Sharpness Indicator Bar so you can see the sharpness level between the minimum and maximum available levels.

### **Color**

Select the Color option in the Video submenu. Press the Right and Left arrow buttons to start adjusting the Color and the menu page will disappear and be replaced by a small Color Indicator Bar so you can see the color level between the minimum and maximum available levels.

### **Tint**

Select the Tint option in the Video submenu. Press the Right and Left arrow buttons to start adjusting the Tint and the menu page will disappear and be replaced by a small Tint Indicator Bar so you can see the color level between the minimum and maximum available levels.

The Tint adjusts the hue of the picture. The easiest way to set tint is to look at flesh tones and adjust for a realistic appearance. In most cases, the default middle position is correct. If people's faces look too orange try reducing the level of color first as the case of this is often too much color.

### **Backlight**

Select the Backlight option in the Video submenu. Press the Right and Left arrow buttons to start adjusting the Backlight and the menu page will disappear and be replaced by a small Backlight Indicator Bar so you can see the backlight level between the minimum and maximum levels (1 ~ 10).

The Backlight level does not affect the Brightness (black level) or Contrast (white level) of the picture, it adjusts the lamp current and this affects the overall brilliance of the picture.

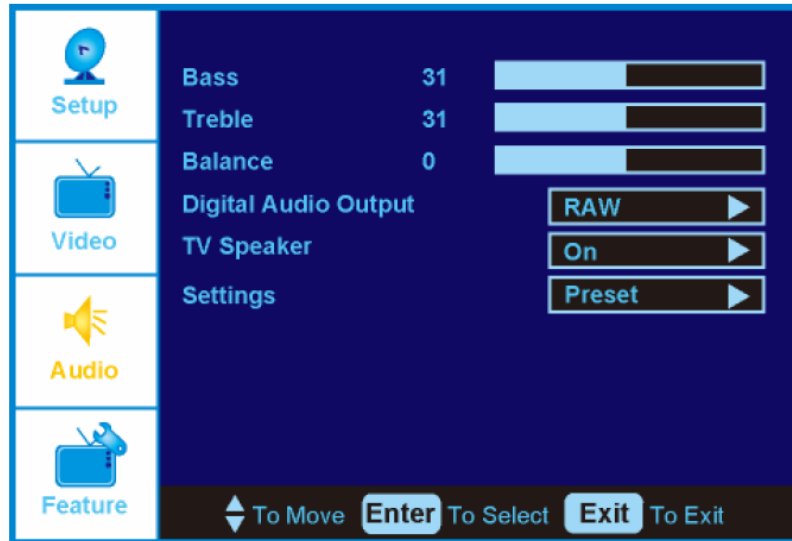
### **Setting**

Select the Settings option in the Video submenu. Press the Right arrow button on the remote control to restore all video settings to factory default.



## Audio adjustment

Press the MENU button to activate the On Screen Display (OSD). Select the AUDIO option to adjust the Audio Language, Bass, and Treble, Balance, Digital Audio Output and TV Speaker settings.



Press the MENU button to activate the On Screen Display (OSD). Select the AUDIO option to adjust the Audio Language, Bass, and Treble, Balance, Digital Audio Output and TV Speaker settings.

### Audio language

Select the audio language option in the audio submenu.

Press the right arrow button to select an alternate language if more than one language is available for the program (default, English, espanol, francais)

Note: this option is only available when ATSC TV selected as the input source.

### Bass

Select the Bass option in the Audio submenu. Press the Right and Left arrow buttons to start adjusting the Bass and the menu page will disappear and be replaced by a small Bass Indicator Bar so you can see the bass level between the zero and maximum available levels.

### Treble

Select the Treble option in the Audio submenu. Press the Right and Left arrow buttons to start adjusting the Treble and the menu page will disappear and be replaced by a small Treble Indicator Bar so you can see the treble level between the zero and maximum available levels.

### Balance

Select the Balance option in the Audio submenu. Press the right and left arrow buttons to start adjusting the balance and the menu page will disappear and be replaced by a small Balance Indicator Bar so you can see the balance adjustment to the left or right of the nominal position.

### Digital audio output

Select the Digital Audio Output option in the Audio submenu. Press the right arrow button to select RAW, PCM or OFF.

**TV speaker**

Select the TV Speaker option in the Audio submenu. Press the right arrow button to select ON or OFF. You may want to turn-off the internal speakers when listening to the audio through your Home Theatre System.

**Feature**

Press the MENU button to activate the On Screen Display (OSD). Select the FEATURE option to adjust the Time, Sleep Timer, Advanced Video Menu, Password, Parental Control, Analog Captions, Digital Captions, Digital Closed Caption, Input Label, Component Set, and VGA Set settings.

**Time set**

Select the Time Set option in the Feature submenu to set the current time. Press the right arrow button to select from Alaska, Hawaii, Pacific, Central, Mountain or Eastern time zones.

**Sleep timer**

Select the Sleep Timer option in the Feature submenu to set the HDTV to turn off automatically. Press the right arrow button to select from OFF, 5, 10, 15, 30, 45, 60, 90, 120, 180, or 240 minutes.

**Advanced video menu**

Select the Advanced Video Menu option in the Feature submenu to set the Noise Reduction, Color Temperature, 3D Y/C and Dynamic Contrast.

The **Noise Reduction** may be set to OFF, Low, Mid or High. Use this feature to diminish picture artifacts caused by the digitizing of image motion content that may be present in the picture.

The **Color Temperature** may be set to Cool, Normal or Warm.

The **3D Y/C** may be set to ON or OFF.

The **Dynamic Contrast** may be set to ON or OFF. Large areas of darkness in a picture will result in a lower Average Picture Level (APL) causing the overall picture to look too dark. Activate this feature to raise the APL.

**Password set**

Select the Password Set option in the Feature submenu to set the password for parental control options. Press the right arrow button and the Password panel will be displayed. Enter the four digit password using the number buttons

on the remote control. Enter it a second time to confirm you entered it correctly. **Note:** If you forget your password, entering 3448 will allow you to set a new password. This feature is not available when HDMI, Component, or VGA is selected as the input source.

**Parental control**

Select the Parental Control option in the Feature submenu to set the parental control levels for USA and Canada ratings.

Press the right arrow button and the Password panel will be displayed. Enter your password and the Parental Control menu will open.

Select USA Parental Locks or Canadian Parental Locks by highlighting the selection and pressing the right arrow button to open the selection.

Use the arrow buttons on the remote control to highlight the rating to be locked and press the OK button.

All ratings higher than your selection will also be locked. For example, if the "PG-13" rating is selected as your choice, the "R", "NC-17", and "X" ratings will also be locked.

TV Ratings may also be used to customize the program blocking of the following TV ratings:

- Y – All children
- Y7 – Older children
- G – General audience
- PG – Guidance suggested
- 14 – Strongly cautioned
- MA – Mature audience

You can also customize the TV ratings for the following content:

- FV – Fantasy Violence
- L – Adult language
- S – Sexual situations
- V - Violence
- D – Sexually suggestive dialog





### Digital caption

When watching DTV, the Digital Captions feature is available in the Feature menu. Press the right arrow button to select from Service 1-6, Text 1-4, and CC 1-4.

Note: This feature is not available when HDMI, Component, or VGA is selected as the input source.

### Digital closed caption

Select the Digital Closed Caption option in the Feature submenu. Press the right arrow button to open the Digital Closed Caption Menu. You can adjust the Size, Font, Text Color, Text Opacity, Background Opacity, Edge Effect and Edge Color. Note: This feature is not available when HDMI, Component, or VGA is selected as the input source.

### Analog caption

The Analog Caption feature is available in the Feature menu when a Composite input source is selected. Press the right arrow button to select from Text 1-4, and CC 1-4. Note: This feature is only available when Composite or S-Video is selected as the input source.

### Input label

The Input Label feature is available in the Feature menu. Press the right arrow button to open the Input Label panel.

This feature has been added to allow you to modify the input label. You can use up to ten characters to label the input.

Note: This feature is not available when DTV/TV is selected as the input source.

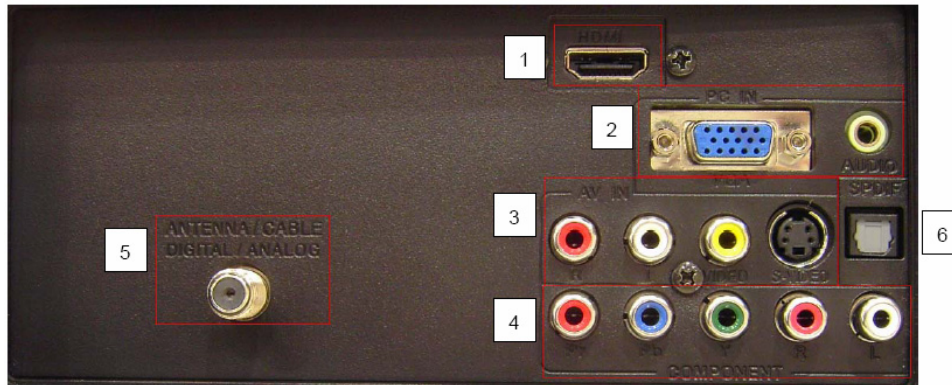
### Component Set

The Component Set option is available in the Feature menu. This option lets you adjust the Horizontal Position, Vertical Position, and Phase. Select the Settings option to restore to factory default settings. Note: This feature is only available when Component is selected as the input source.

### VGA Set

The VGA Set option is available in the Feature menu. This option lets you adjust the Horizontal Position, Vertical Position, Clock and Phase. You can also select Auto Adjust to automatically set the settings. Select the Settings option to restore to factory default settings. Note: This feature is only available when VGA is selected as the input source.

## 2.3 How to Connect



**HDMI** – Connect the primary source for digital video such as a DVD multimedia player or set top box through this all digital connector. The white color band on the rear of the TV indicates this connection. Your VIZIO Certified HDMI cables are available for purchase from [www.VIZIO.com](http://www.VIZIO.com) or by calling 888-VIZIOCE (888-849-4623).

**RGB PC** – Connect the video and audio cables from a computer here.

**AV/S-VIDEO IN** – Connect the primary source for composite video devices, such as a VCR or video game. Use the white and red connectors to connect the external audio from the same source. The signal being carried by the S-Video cable and connector, if connected, will take priority over the Video RCA connector (yellow connector).

**COMPONENT (YPb/CbPr/Cr with Audio L/R)** – Connect the primary source for component video devices such as a DVD Player or set top box here. From left to right, use red for Pr, blue for Pb, green for Y, red for right audio (R) and white for left audio (L) inputs.

**DTV** – Connect to an antenna or digital cable (out-of-the-wall, not from Cable Box) for Digital TV.\*


**SPDIF (Optical Digital Audio Out)** - When a digital audio signal is associated with the input selected for viewing, the digital audio will be available on this SPDIF connection to your home theater system.

## 2.4 Front Panel Control Knobs



**Remote control sensor-** this is the window through which all of the remote control signals pass to the sensor. Point the remote control directly at this window for the best response to the remote signal.

**Power light-** the power light will illuminate with a red light when the HDTV is powered off, a blue light indicates the HDTV is powered ON.

**Power (  )** – Switch the VW22L on by pressing the button once. Press the button again to turn the VW22L off.

**MENU** – This button activates the On Screen Display (OSD). If a sub-menu is active, pressing this button will return to the previous menu level.

**CH (▲/▼)** – Use these buttons to step up or down the TV channels. While the OSD is active, these buttons function as up and down controls in the OSD menus.

**VOL ( +/- )** – Use these buttons to increase or decrease to the speaker volume. While the OSD is active, these buttons function as left and right arrow to go to the next menu or increase or decrease settings.

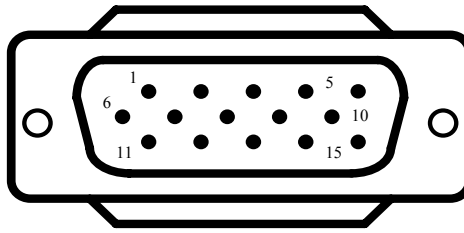
**INPUT** – Press this button to activate the Source List. The input sources are displayed in the following sequence from top to bottom: TV, Composite, S-Video, Component, VGA, HDMI.

Additionally, when the OSD is active, this button confirms the menu function to be adjusted.



### 3. Input/Output Specification

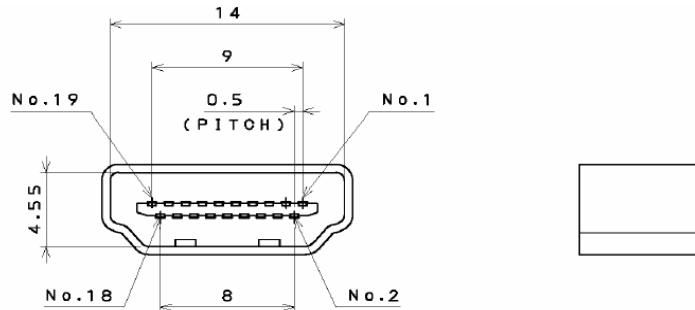
#### 3.1 RGB Signal input



15 - Pin Color Display Signal Cable

Pin No.	Description	Pin No.	Description
1	Red Video	9	Mandatory +5V Supply for PC Bypass
2	Green Video	10	Sync Ground
3	Blue Video	11	SDA(Remote Control)
4	SCL(Remote Control)	12	Bi-directional Data (SDA) for PC Bypass
5	Ground	13	H-Sync.
6	Red Video Ground	14	V-Sync.
7	Green Video Ground	15	Data Clock (SCL) for PC Bypass
8	Blue Video Ground		

#### 3.2 HDMI Digital connector pin assignments



Pin No.	Description	Pin No.	Description
1	TMDS Data2+	2	TMDS Data2 Shield
3	TMDS Data2-	4	TMDS Data1+
5	TMDS Data1 Shield	6	TMDS Data1-
7	TMDS Data0+	8	TMDS Data0 Shield
9	TMDS Data0-	10	TMDS Clock+
11	TMDS Clock Shield	12	TMDS Clock-
13	CEC	14	NC
15	SCL	16	SDA
17	DDC/CEC Ground	18	+5V Power
19	Hot Plug Detect		

3.3 AV/S-Video/Component Video Inputs

<b>AV (Composite Video input)</b>		
<b>Video1</b>		
	System	NTSC
	Amplitude	1.0 V (p-p), negative sync.
	Impedance	75 ohm terminated
<b>S-Video (Y / C input)</b>		
<b>S-Video2</b>		
	System	NTSC
	Y signal amplitude	1.0Vpp (including sync)
	C signal amplitude	0.286Vpp
	Impedance	75 ohm terminated
<b>Component (Y, Pb/Cb, Pr/Cr input)</b>		
<b>Video3</b>		
	System	1080i, 480p, 720p, 480i
	Y signal amplitude	1.0Vpp (including sync)
	Cr, (R-Y) / Cb, (B-Y) Signal amplitude	±0.35Vpp, 75 ohm
	Impedance	75 ohm terminated

3.4 Compatible Mode Table

VESA MODES							
Mode	Resolution	Total	Horizontal		Vertical		Nominal Pixel Clock (MHz)
			Nominal Frequency (KHz)	Sync Polarity	Nominal Freq. (Hz)	Sync Polarity	
VGA	640x480@60Hz	800 x 525	31.469	N	59.940	N	25.175
	640x480@72Hz	832 x 520	37.861	N	72.809	N	31.500
	640x480@75Hz	840 x 500	37.5	N	75	N	31.500
SVGA	800x600@56Hz	1024 x 625	35.156	P	56.25	P	36.000
	800x600@60Hz	1056 x 628	37.879	P	60.317	P	40.000
	800x600@72Hz	1040 x 666	48.097	P	72.188	P	40.000
	800x600@75Hz	1056 x 625	46.0875	P	75	P	49.5
XGA	1024x768@60Hz	1344x806	48.363	N	60.004	N	65.000
	1024x768@70Hz	1328x806	56.476	N	70.069	N	75.000
	1024x768@75Hz	1312x800	60.023	P	75.029	P	78.750
WXGA	1680x1050@60Hz		64.674	P	59.883	P	119



### 4. Mechanical Instructions

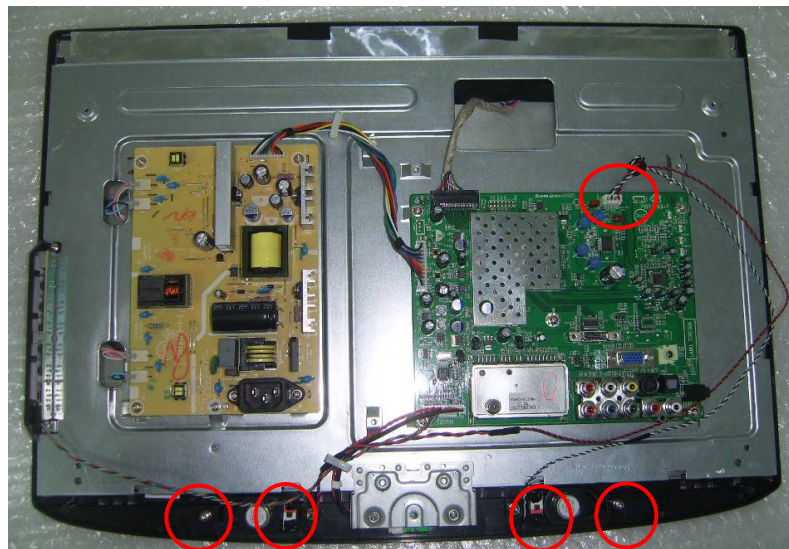
1. Remove the 3 screws to remove the stand base.



2. Remove 7 screws to remove the rear cover.



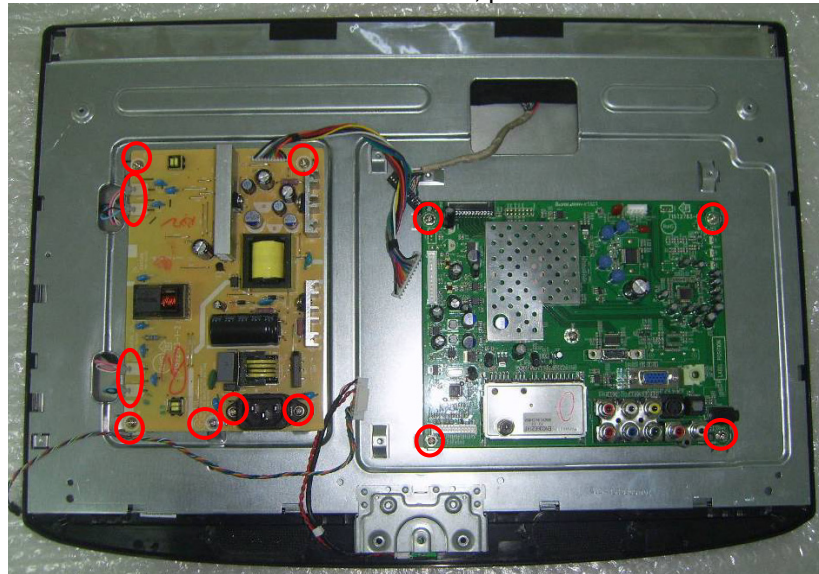
3. Remove 4 screws & connector to remove the speaker.



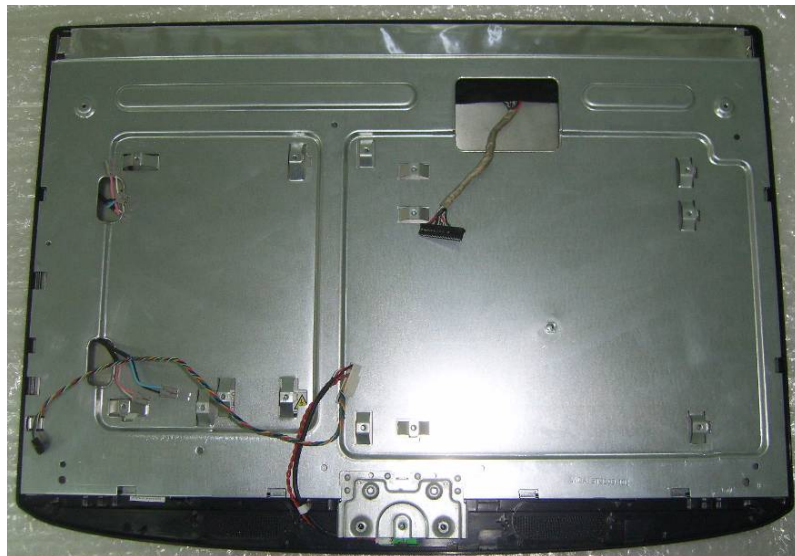
4. Remove 3 screws to remove key board and stand.



5. Remove the screws & connectors to remove the main board, power board.



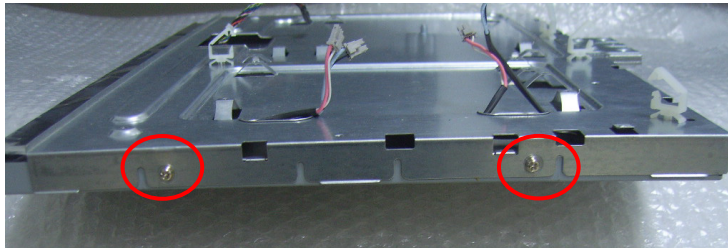
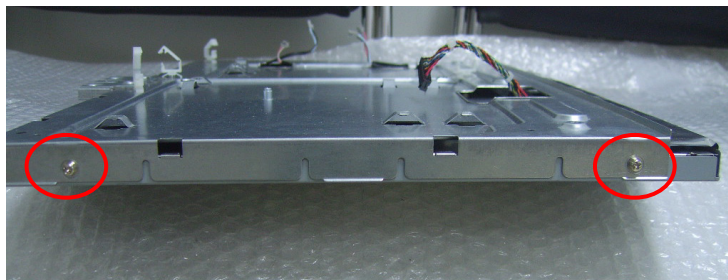
6. Remove the bezel.



7. Remove IR board.



8. Remove the 4 screws to remove the main frame.

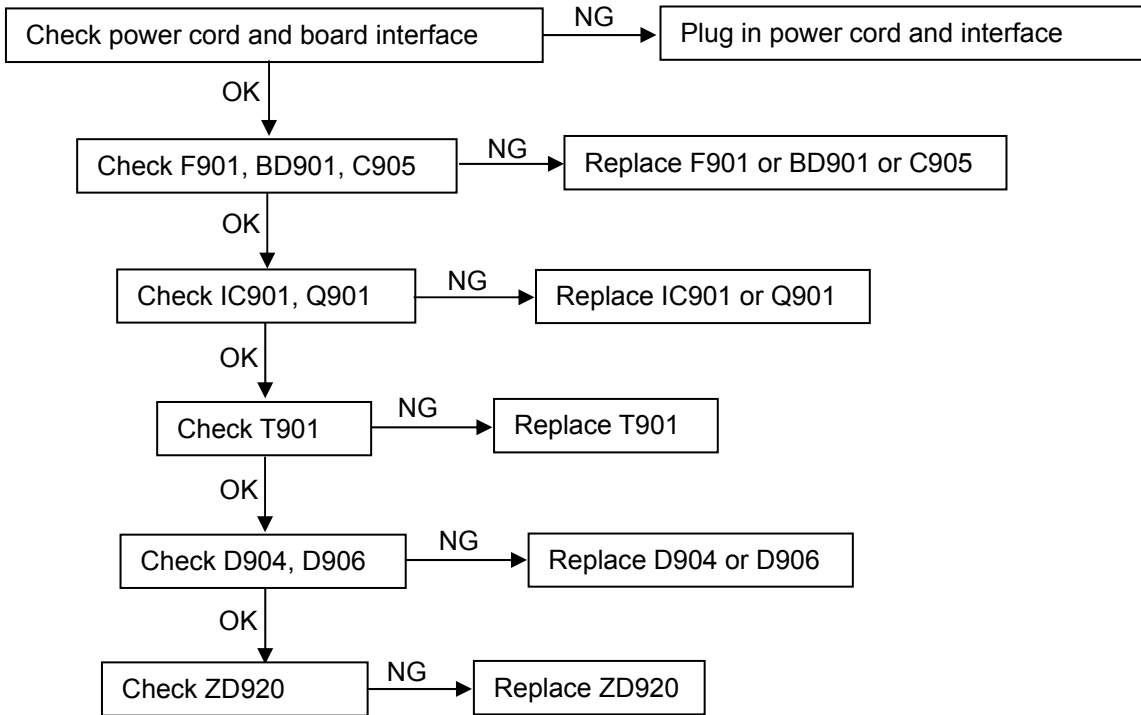


9. The panel.

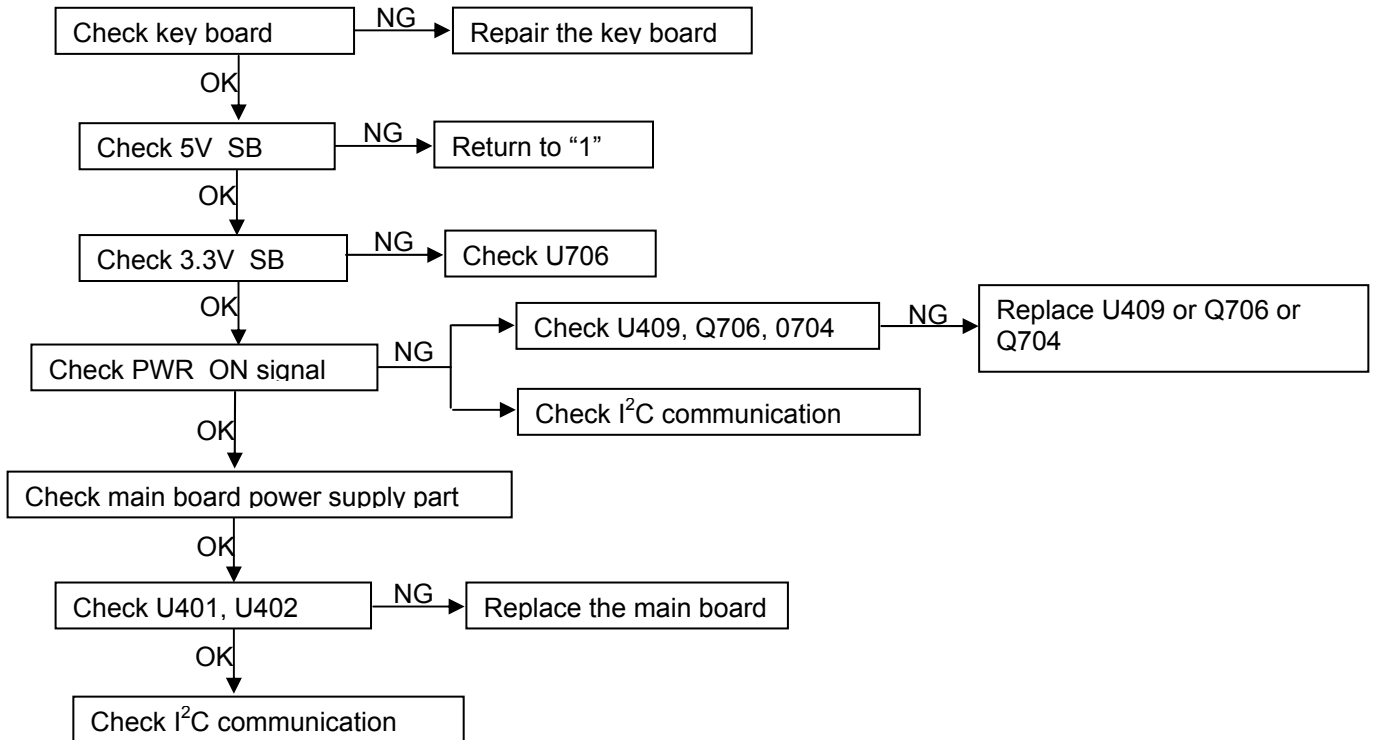


### 5. Repair Flow Chart

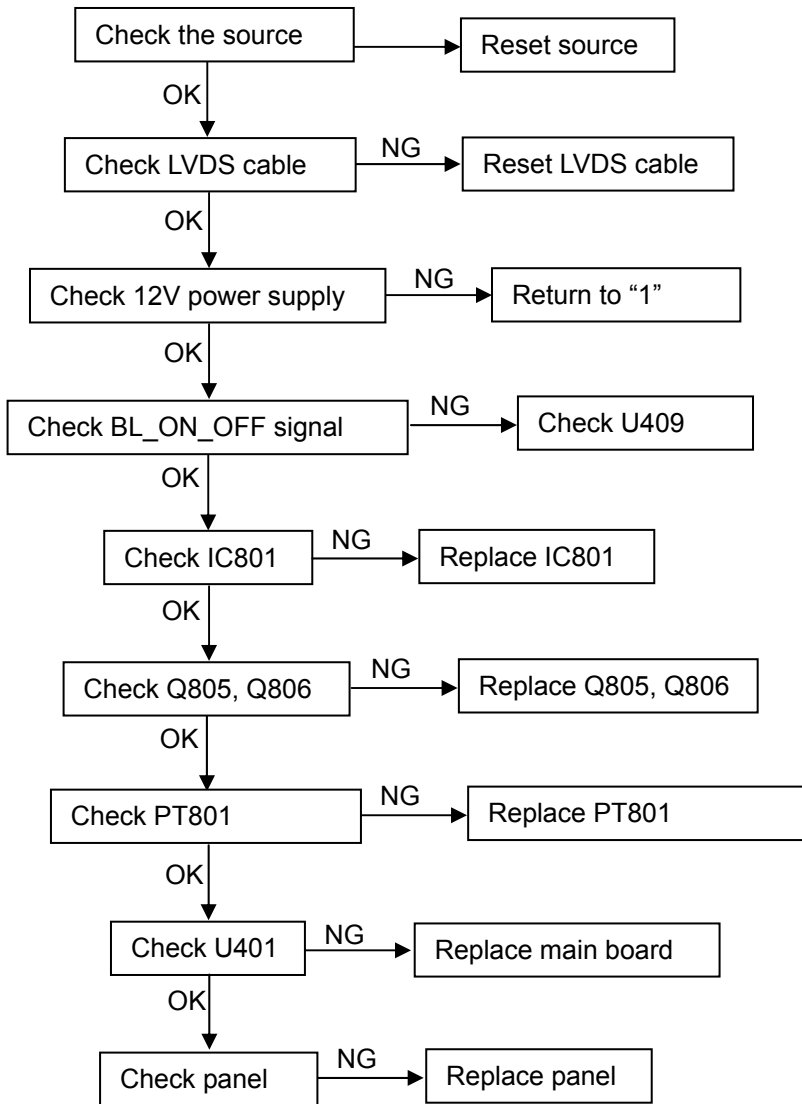
#### 1. No Power (No LED indicator)



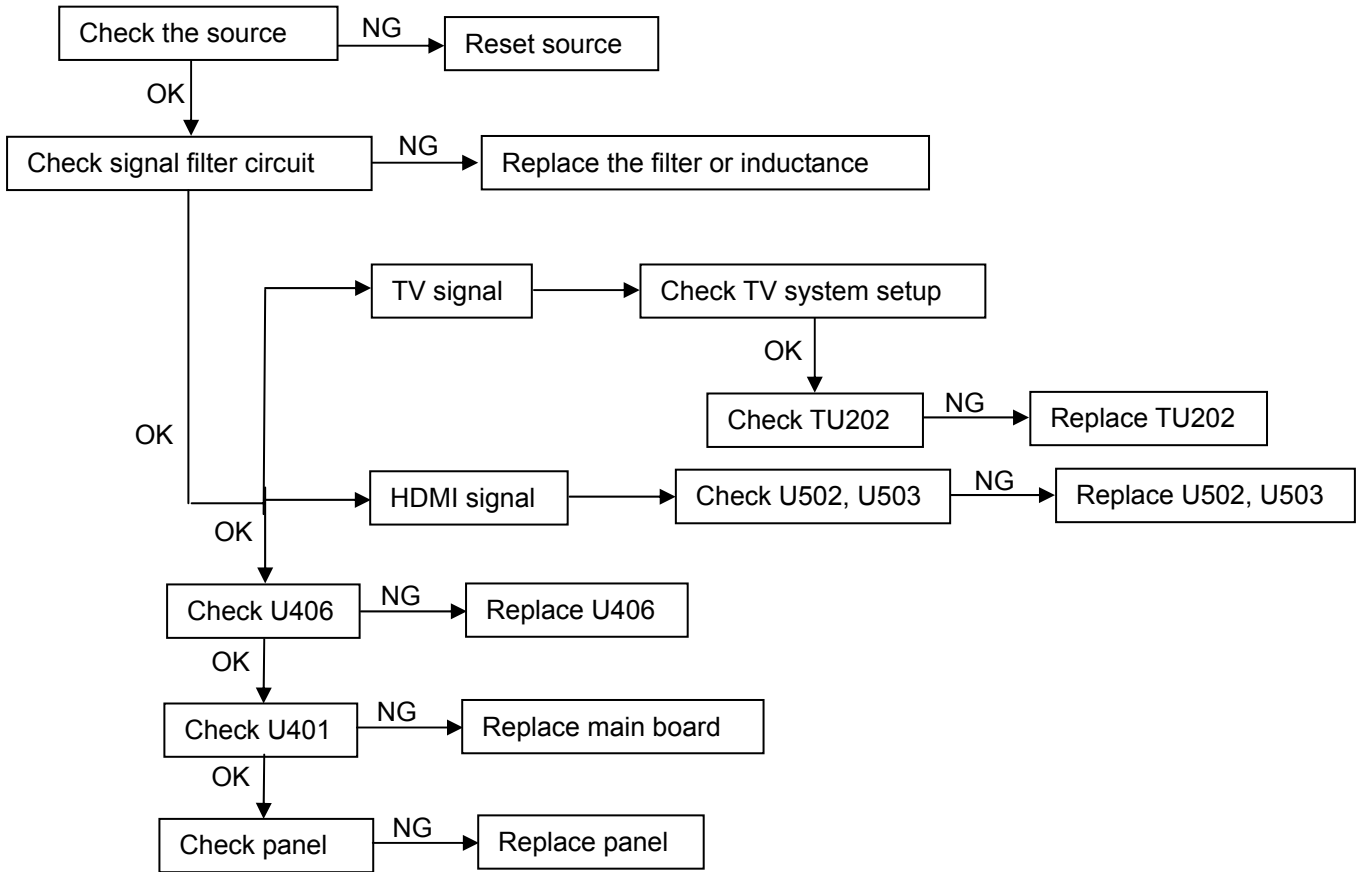
#### 2. Can not start (LED indicator yellow)



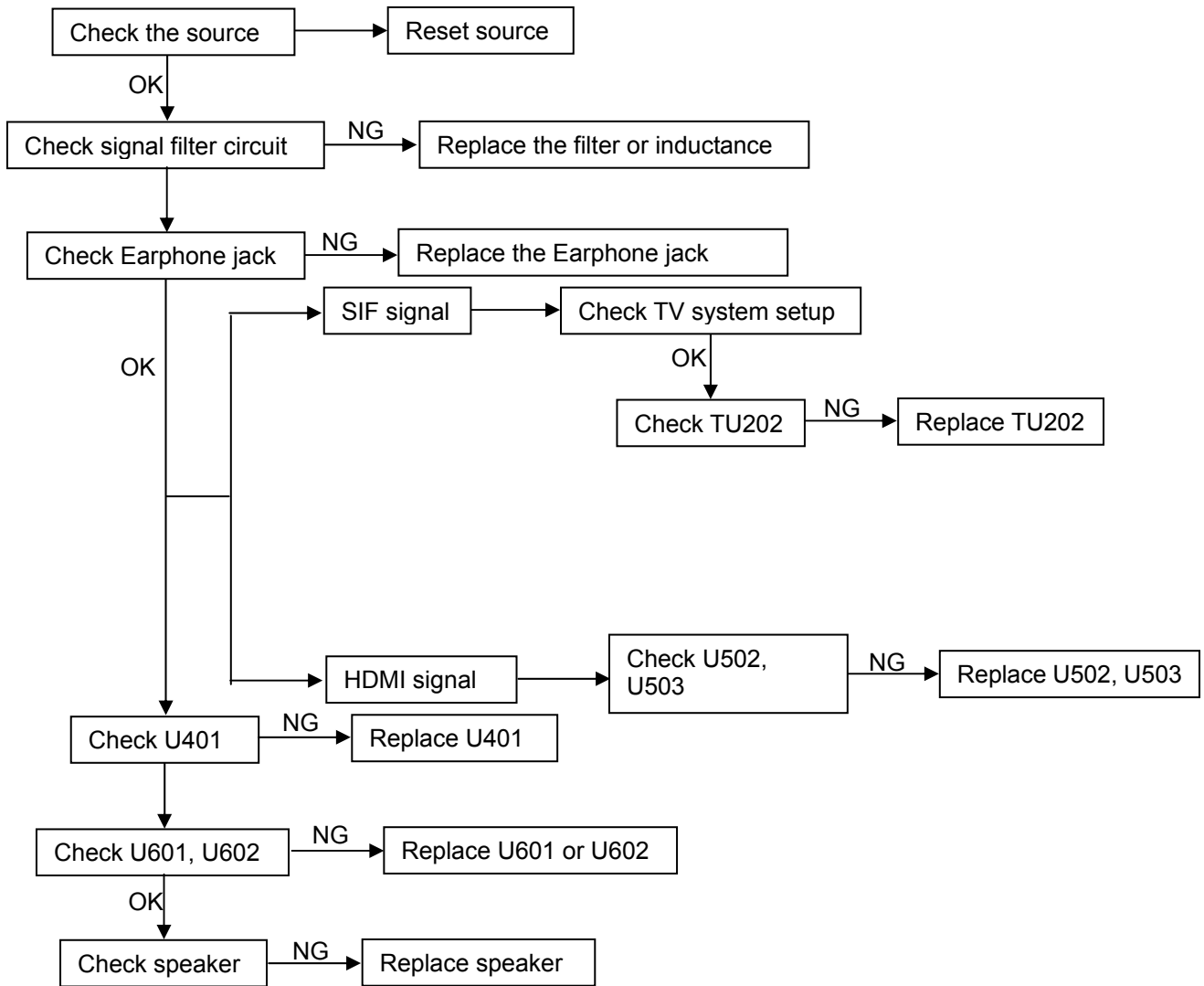
3. No display (LED indicator green)

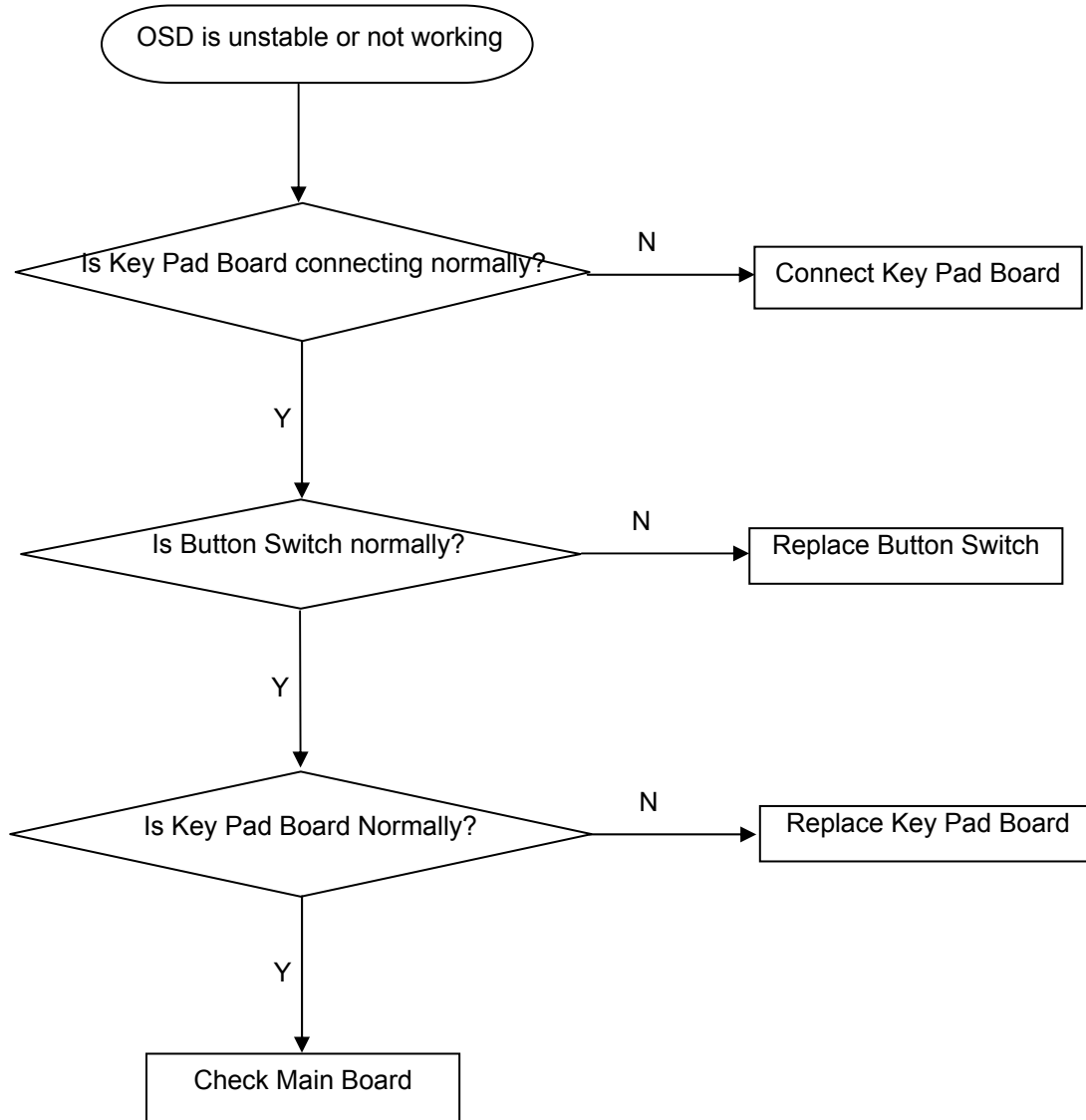


4. Abnormal display



5. No sound

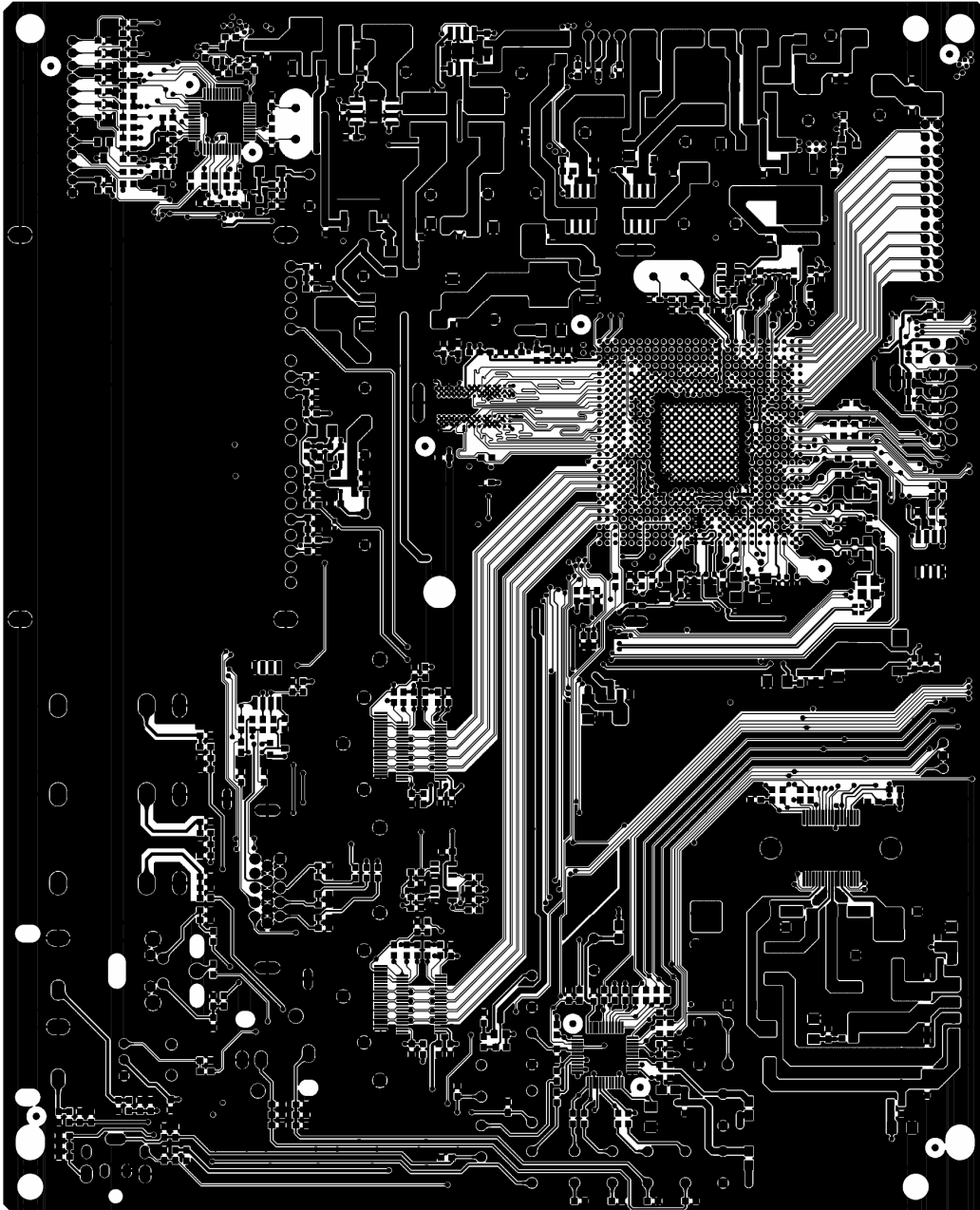


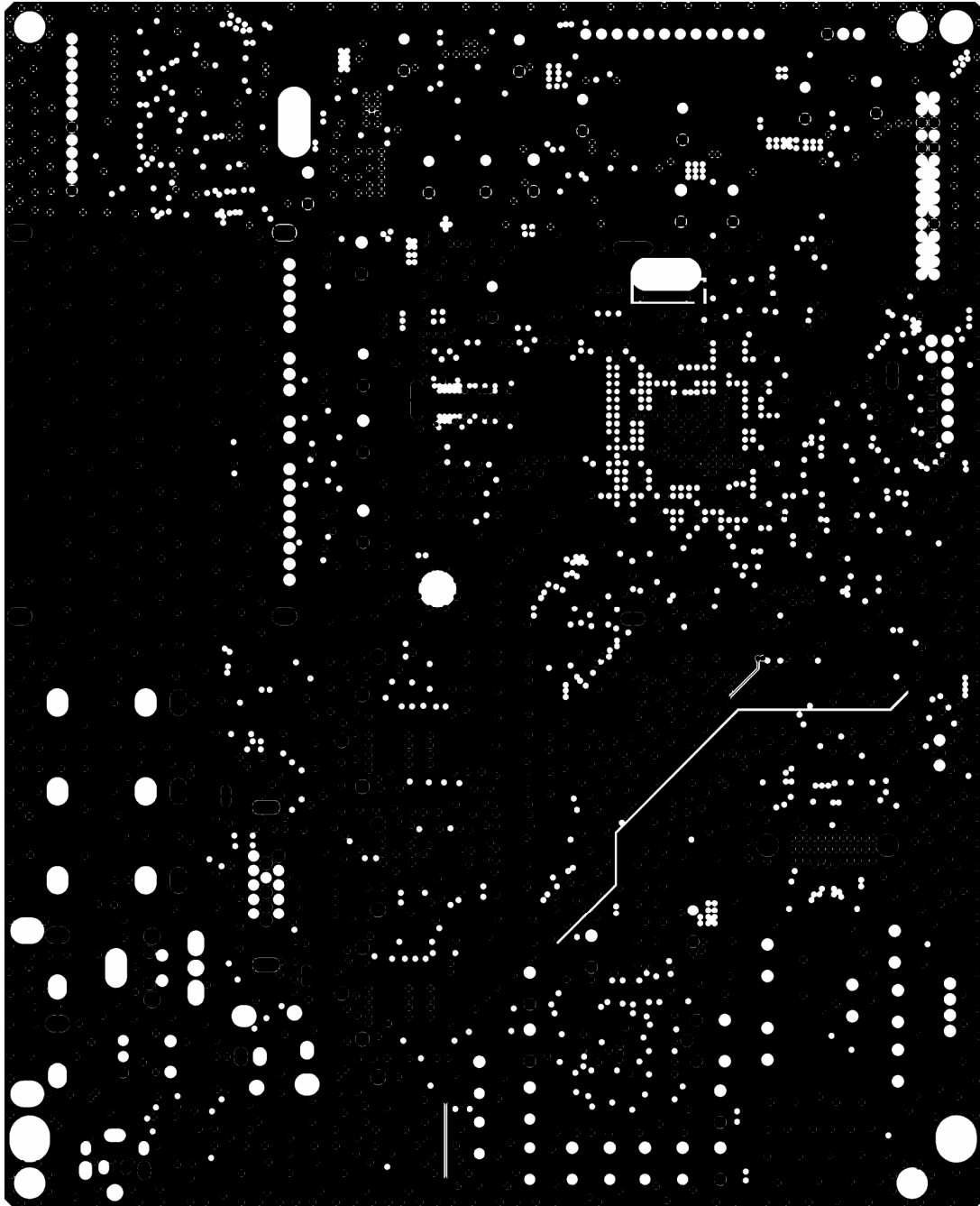


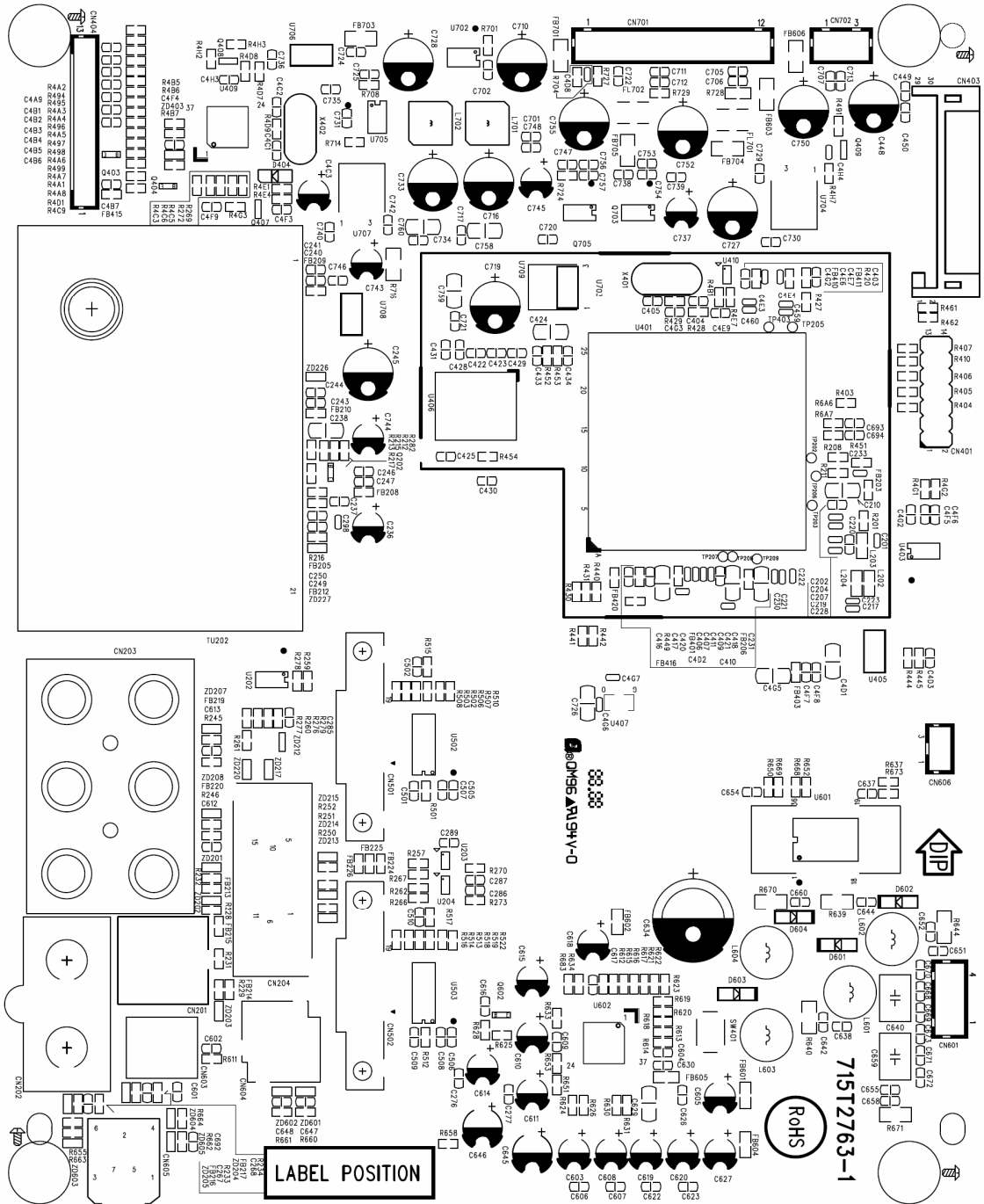


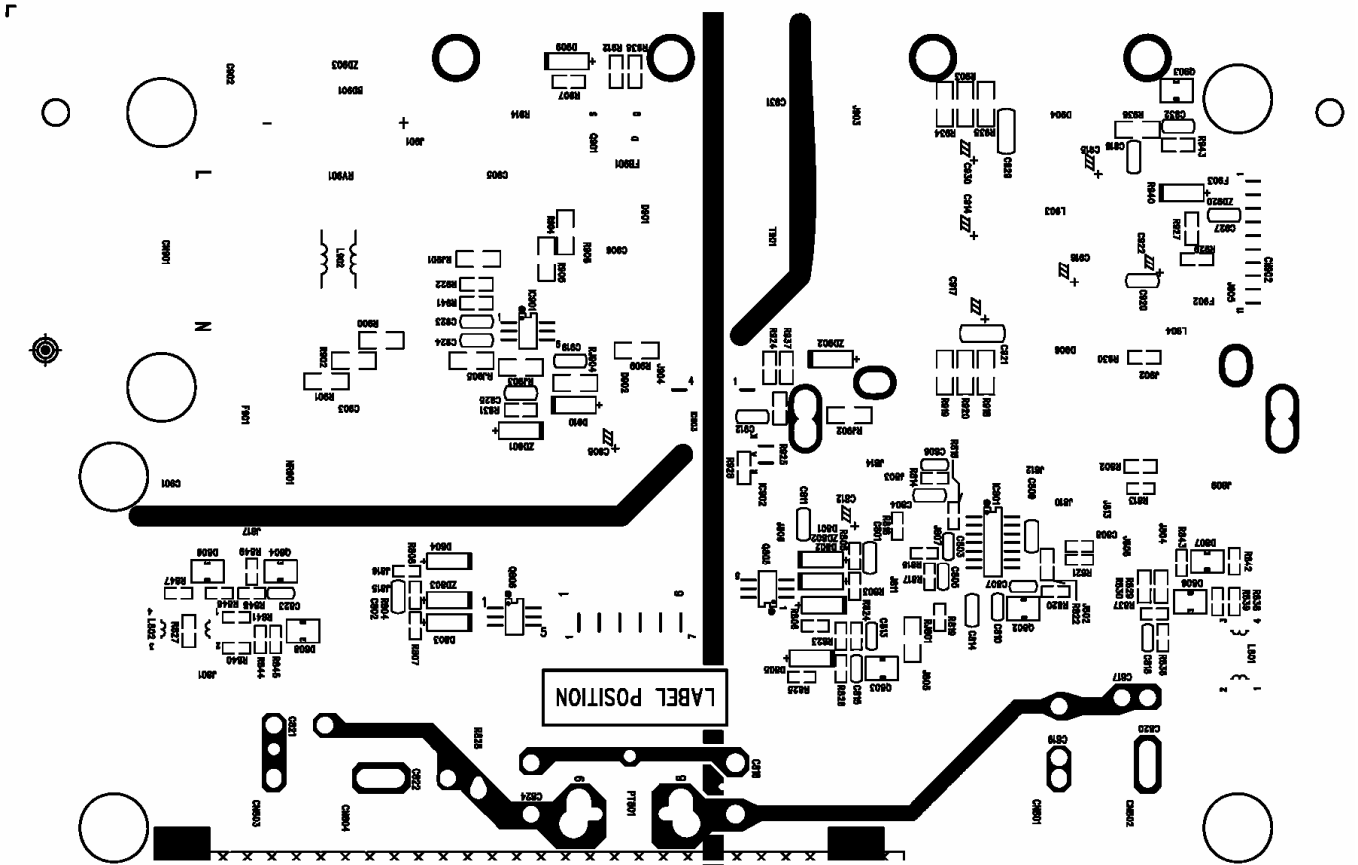
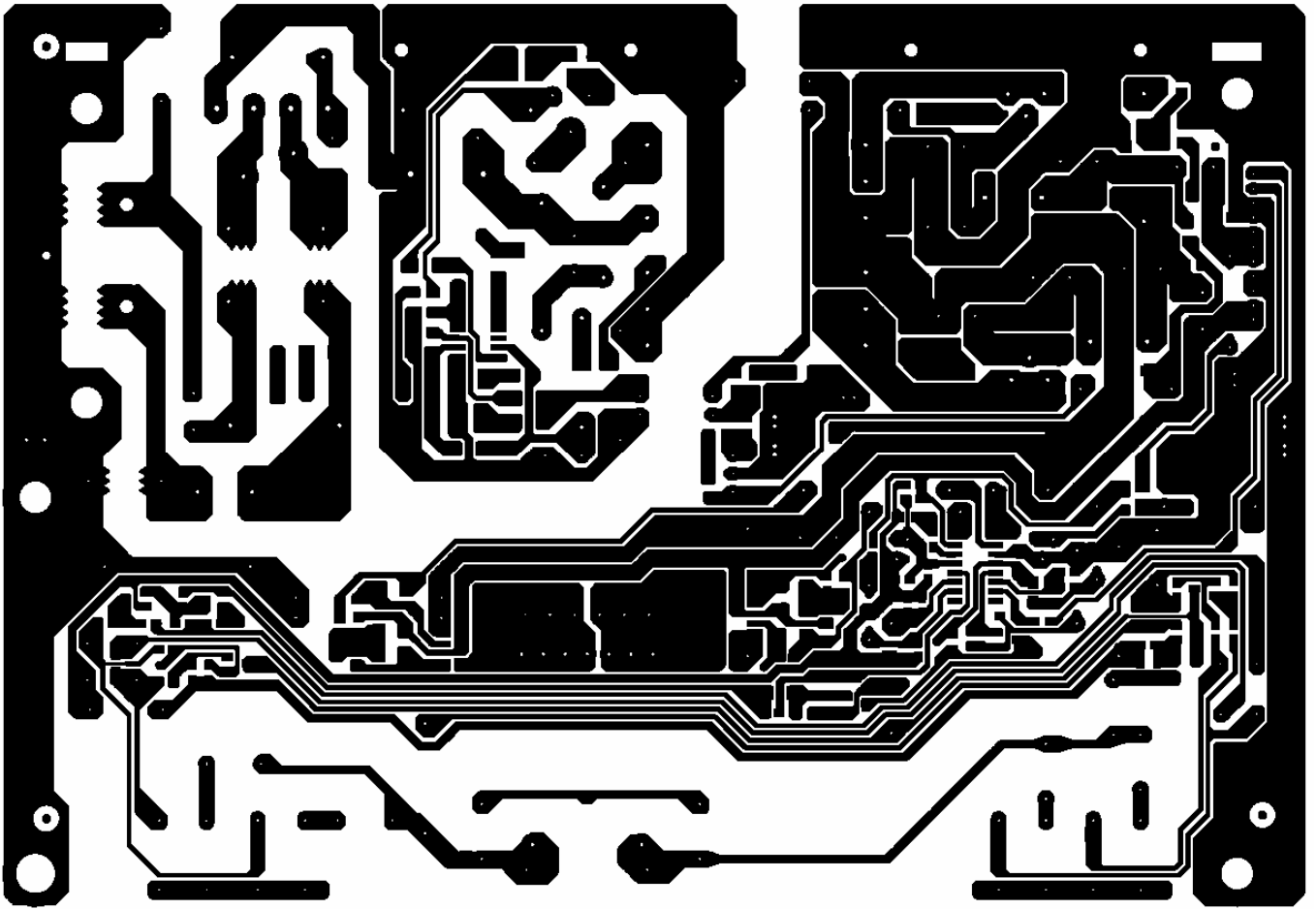
## 6. PCB Layout

### 6.1 Main Board











## 7. White Balance, Luminance Adjustment

Approximately 30 minutes should be allowed for warm up before proceeding white balance adjustment.

Before started adjust white balance, please set the Ca210 Channel to 03 Channel and set it's mode to xyLv mode.

Color Temp.		Cold	Normal	Warm
HDMI MODE	x	285	295	313
	y	293	305	329
	Y	Panel max luminance		

**Note: The tolerance of the color coordinates should be less than  $\pm 5$ .**

How to setting the Ca210 channel, you can reference to Ca210 user guide or simple use the "Memory CH" up or down to set the channel to 03 channel, and use the "Mode" key to set the mode to xyLv.

Following is the procedure to do white-balance adjust

**Note: We can only the HDMI white balance to cover the white balance of all source mode, This method is meet to the Zoran 770 software.**

### HDMI mode:

I . In the TV mode adjust volume to zero, press mute key, then press number key 9 → 8 → 7 → 6. It will achieve the factory mode. Select the item of White Balance and press right key to enter it.

II .before to adjust the white balance, please press the factory mode OSD of "Reset" to reset all white balance factory setting.

In the White Balance you can adjust 8 items.

1-3 items is RO, GO, BO → R, G, B Bias adjust.

4-6 items is RG, GG, BG → R, G, B Gain adjust.

7 item is Def\_contrast\_all\_mode adjust

8 item is Def\_brightness\_all\_mode adjust

9 item is Colortemp\_all\_Mode adjust

10 item is color temperature select: Cool, Normal, and Warm.

### III. Gain adjustment:

#### A. Adjust Cool color-temperature:

1. Set the pattern generator to pattern 104 or 0 IRE pattern. And adjust the Item 8 to min luminance.

2. Switch the Ca210 to xyLv-mode (with press "MODE" button)

3. Switch the Ca210 channel to Channel 03 (with up or down "MEMORY CH" button)

4. The LCD-indicator on Ca210 will show x =289, y =304, Lv can adjust to max luminance.

5. Use the item 1 and item 3 to Adjust black balance :use 30 IRE(Pattern 115) signal,and adjust the black balance,until the Ca210 show x =285, y =293.

6. Use the item 4 and item 6 to adjust white balance: use 100 IRE (Pattern 105) signal, and adjust the white balance,

until the Ca210 show x =285, y =293.

7. Adjust item 7 to check color temperature is saturation or not: Add by 7 steps and then to adjust the item 4 and item 6 to check the color temperature is saturation or not, until is saturation.
8. Enter the item 10 to select another color temperature to adjust.

**B. Adjust Normal color-temperature:**

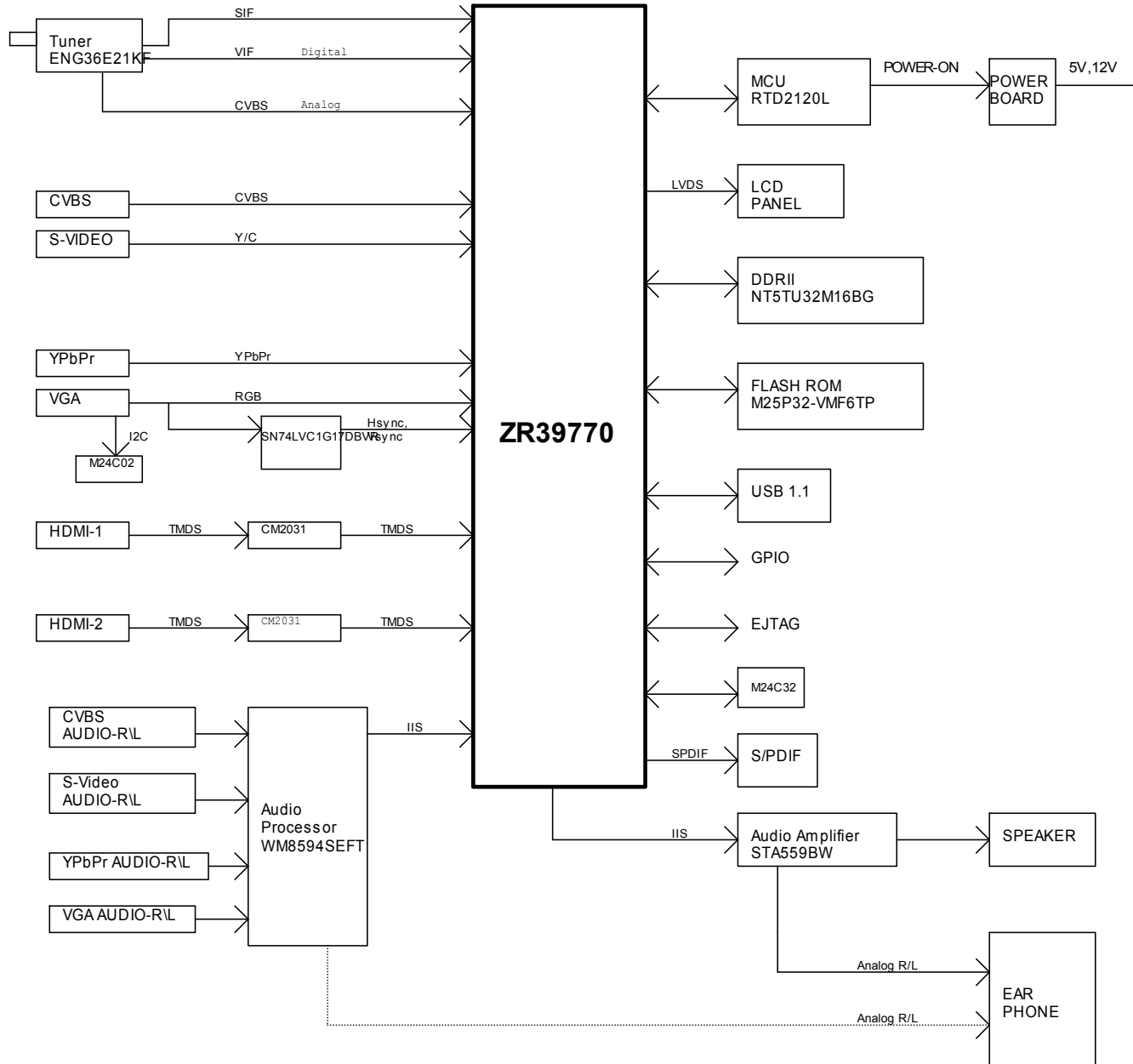
1. Set the pattern generator to pattern 104 or 0 IRE pattern. and adjust the Item 8 Cool color-temperature's item 8 value.
2. Switch the Ca210 to T $\Delta$ uvLv-mode (with press "MODE" button)
3. Switch the Ca210 channel to Channel 03 (with up or down "MEMORY CH" button)
4. The LCD-indicator on Ca210 will show T=8000.
5. Adjust the 9 item: Colortemp\_All\_Mode\_Normal, until Ca210 indicator reached the value T=8000
6. Adjust item 7 to check color temperature is saturation or not: Add by 7 steps and then to adjust the item 4 and item 6 to check the color temperature is saturation or not, until is saturation.
7. Loop the Item 5 and Item 6, until the T=8000 and RG/BG is saturation
8. Enter the 8 item to select another color temperature to adjust.

**C. Adjust Warm color-temperature:**

1. Set the pattern generator to pattern 104 or 0 IRE pattern. And adjust the Item 8 Cool color-temperature's item 8 value.
2. Switch the Ca210 to T $\Delta$ uvLv-mode (with press "MODE" button)
3. Switch the Ca210 channel to Channel 03 (with up or down "MEMORY CH" button)
4. The LCD-indicator on Ca210 will show T=6500.
5. Adjust the 9 item: Colortemp\_All\_Mode\_warm, until Ca210 indicator reached the value T=6500
6. Adjust item 7 to check color temperature is saturation or not: Add by 7 steps and then to adjust the item 4 and item 6 to check the color temperature is saturation or not, until is saturation.
7. Loop the Item 5 and Item 6, until the T=6500 and RG/BG is saturation
8. Enter the 8 item to select another color temperature to adjust.

Press "Exit" button on remote control to quit from factory mode.

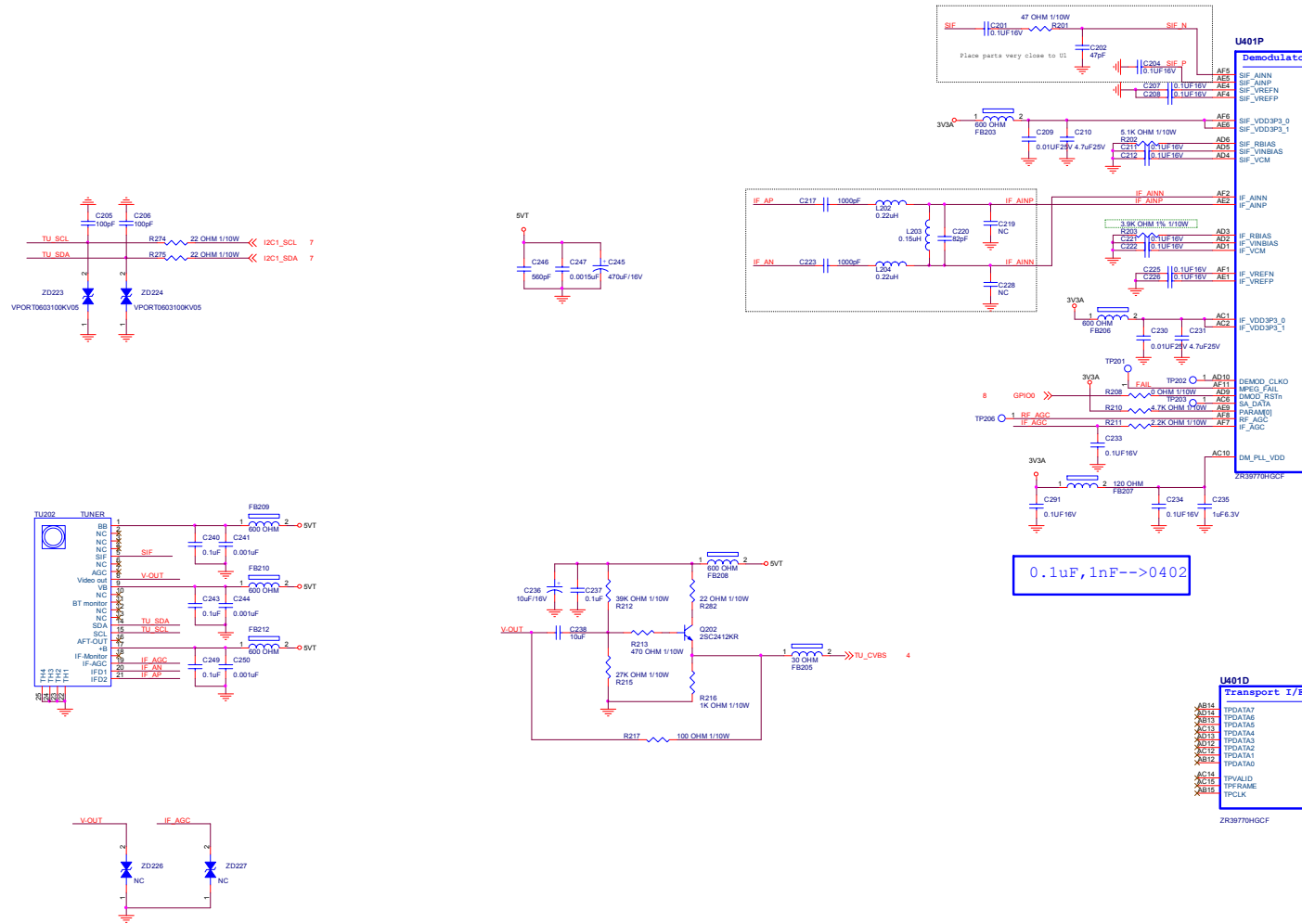
### 8. Block Diagram





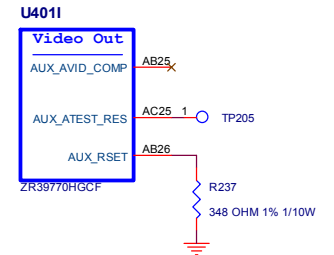
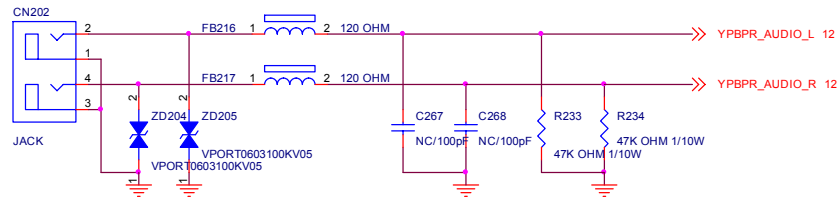
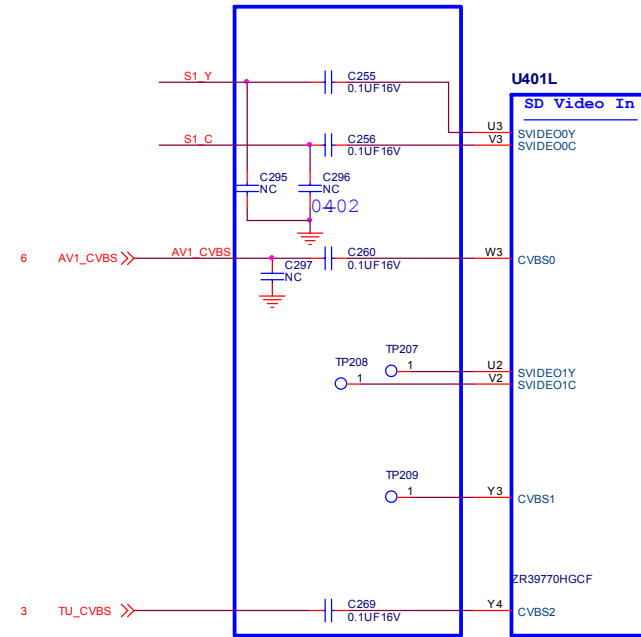
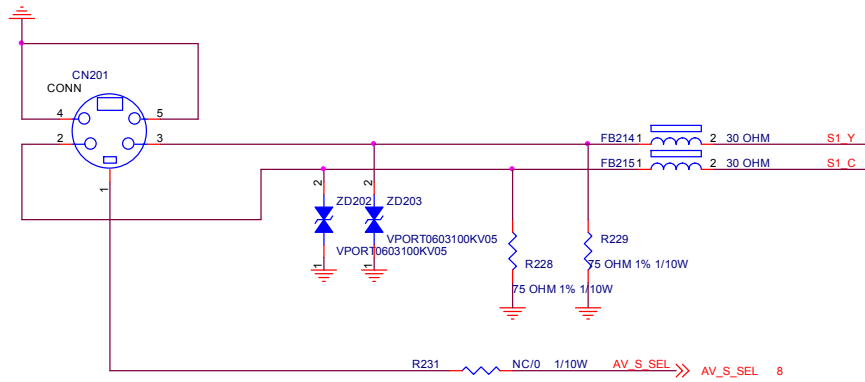
# 9. Schematic Diagram

## 9.1 Main Board

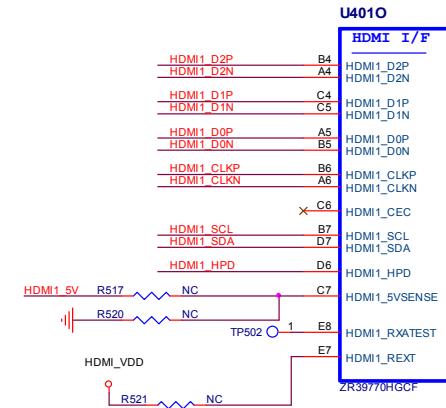
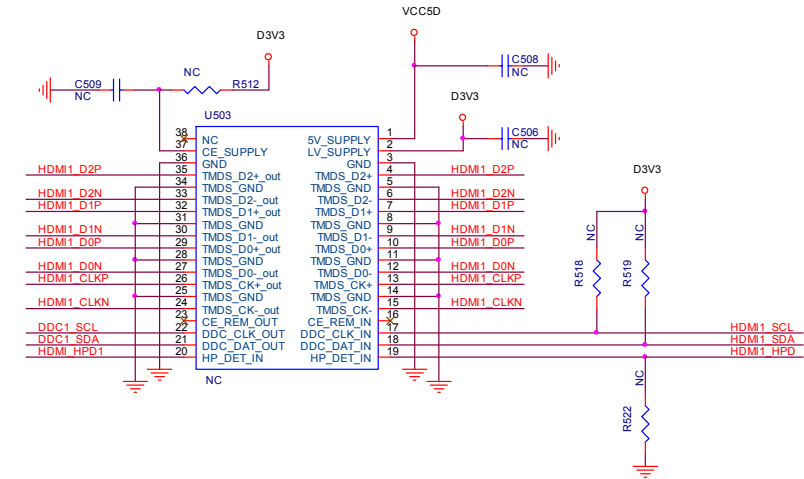
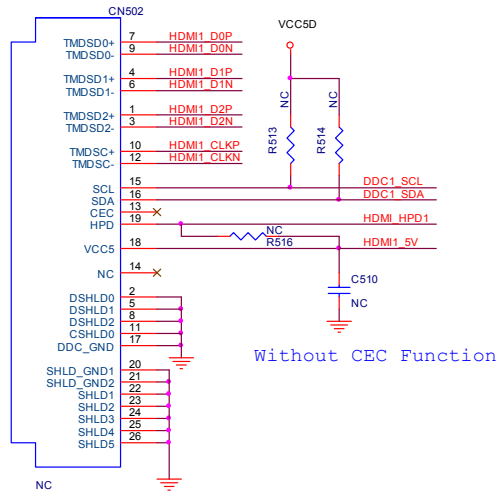
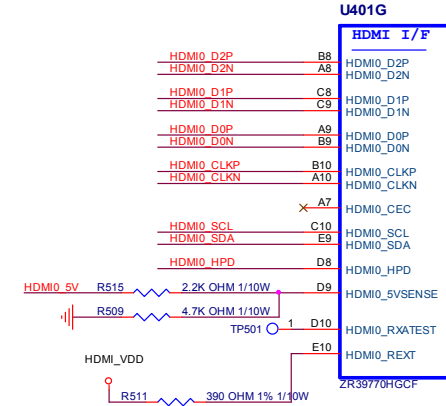
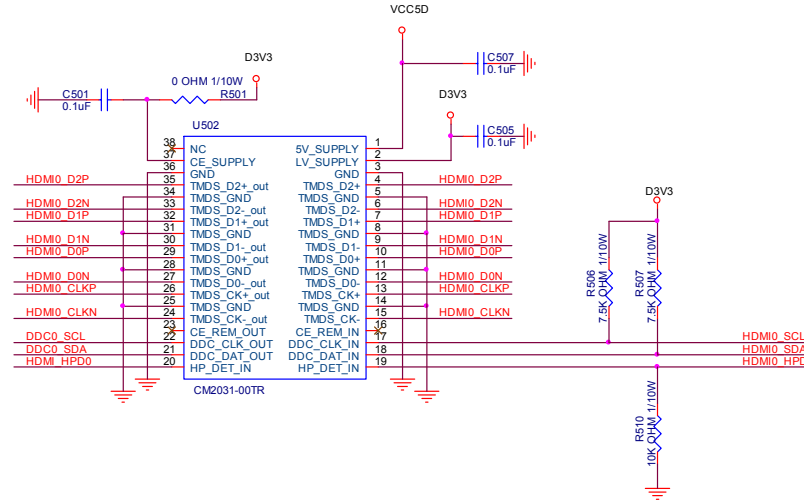
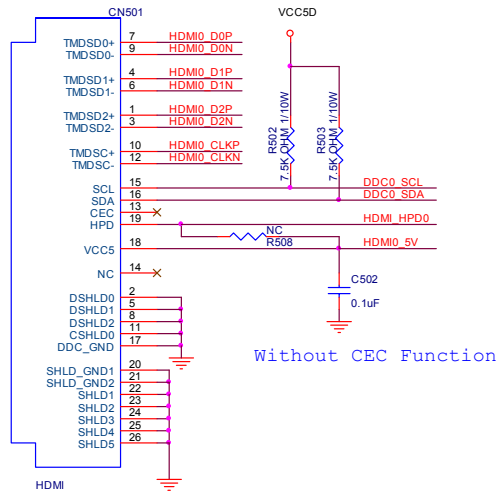


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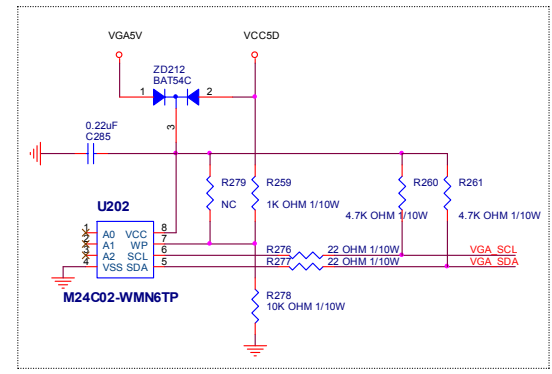
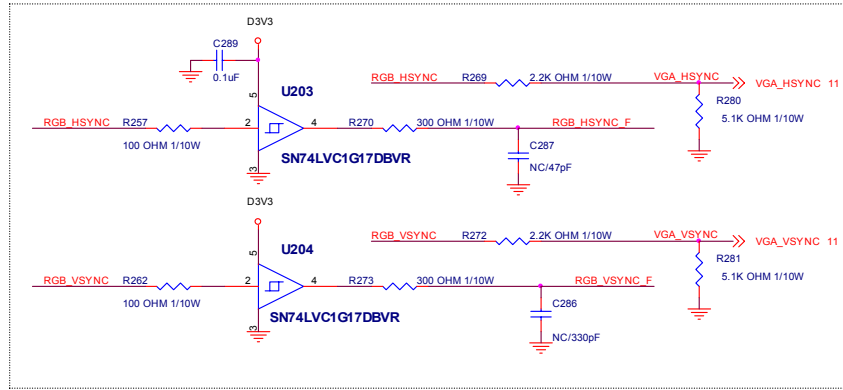
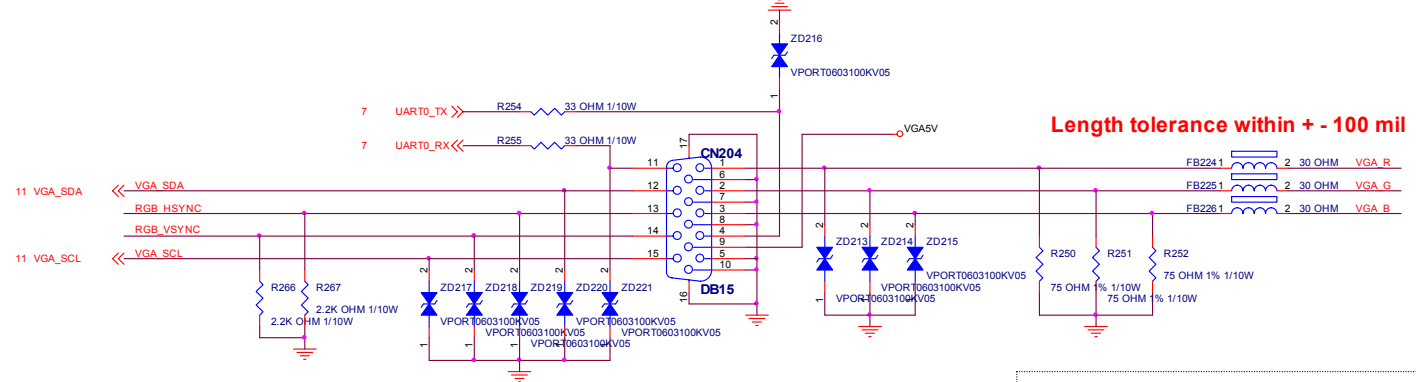
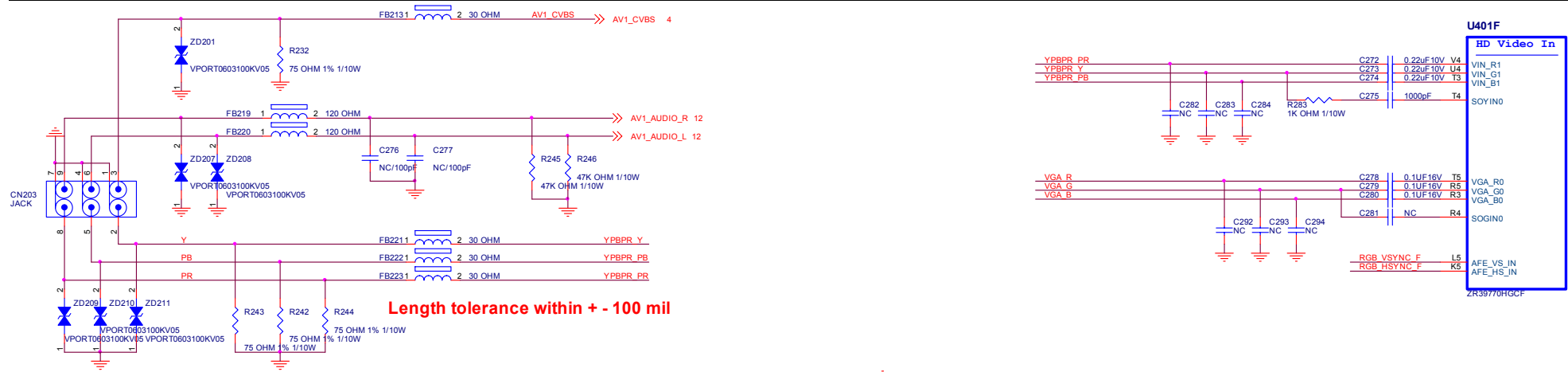
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胜利达电子	TPV MODEL		Rev	E
Key Component	03-Tuner	PCB NAME	71512763	Rev
Date	Thursday, 7 February 20, 2008	Sheet	3 of 10	<B>



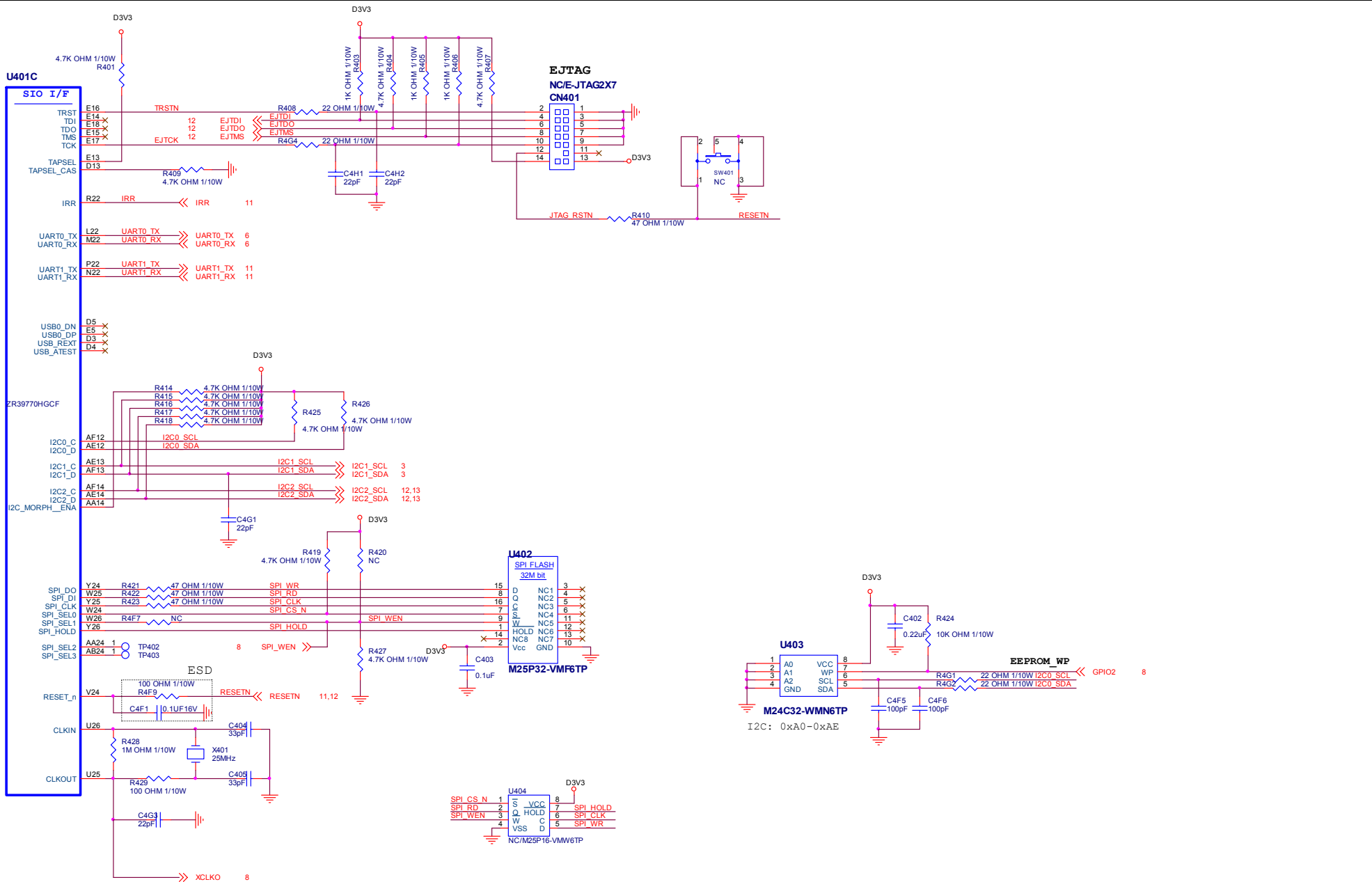
TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	BBY	Size	Custom
紙隔瓜蝦版	<b>T2763-G</b>	TPV MODEL	Rev	E
Key Component	<b>04-AV Input</b>	PCB NAME	715T2763	称爹 <称爹>
Date	Thursday, February 28, 2008	Sheet	4 of 18	



TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	BBY	Size	Custom
紙隔瓜銀膜	<b>T2763-G</b>	TPV MODEL	Rev	E
Key Component	<b>05-HDMI Input</b>	PCB NAME	715T2763	
Date	Thursday, February 28, 2008	Sheet	5 of 18	修葺 <修葺>

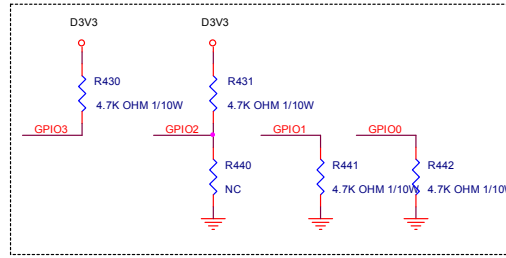


T P V ( Top Victory Electronics Co . , Ltd . )	OEM MODEL	BBY	Size	Custom
新開成爾康	<b>T2763-G</b>	TPV MODEL	Rev	E
Key Component	<b>06-YPbPr/VGA Input</b>	PCB NAME	715T2763	修裝
Date	Thursday, February 28, 2008	Sheet	6 of 18	<修裝>

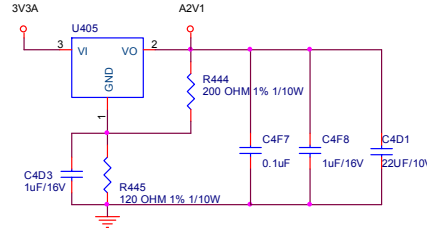
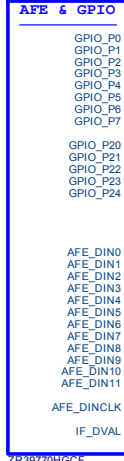


TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	BBY	Size	Custom
話 隔 瓜 網 販	T2763-G		Rev	E
Key Component	07-SIO I/F	PCB NAME	715T2763	
Date	Thursday, February 28, 2008	Sheet	7 of 18	修 葺 <修 葺>

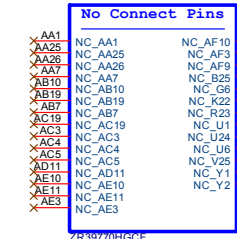
Bootstrap Configuration



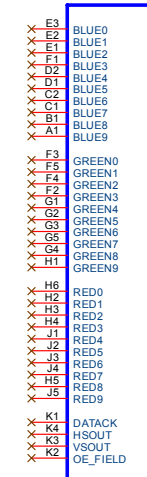
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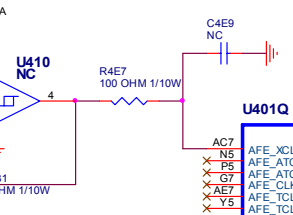
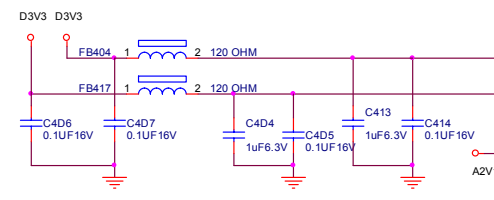
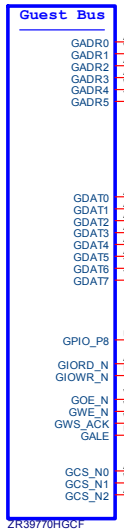
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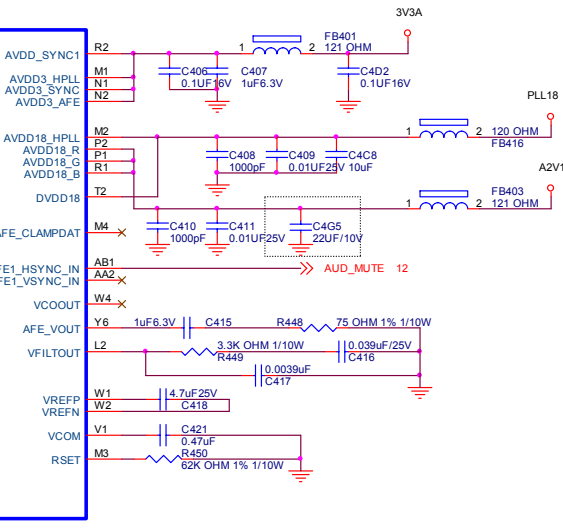
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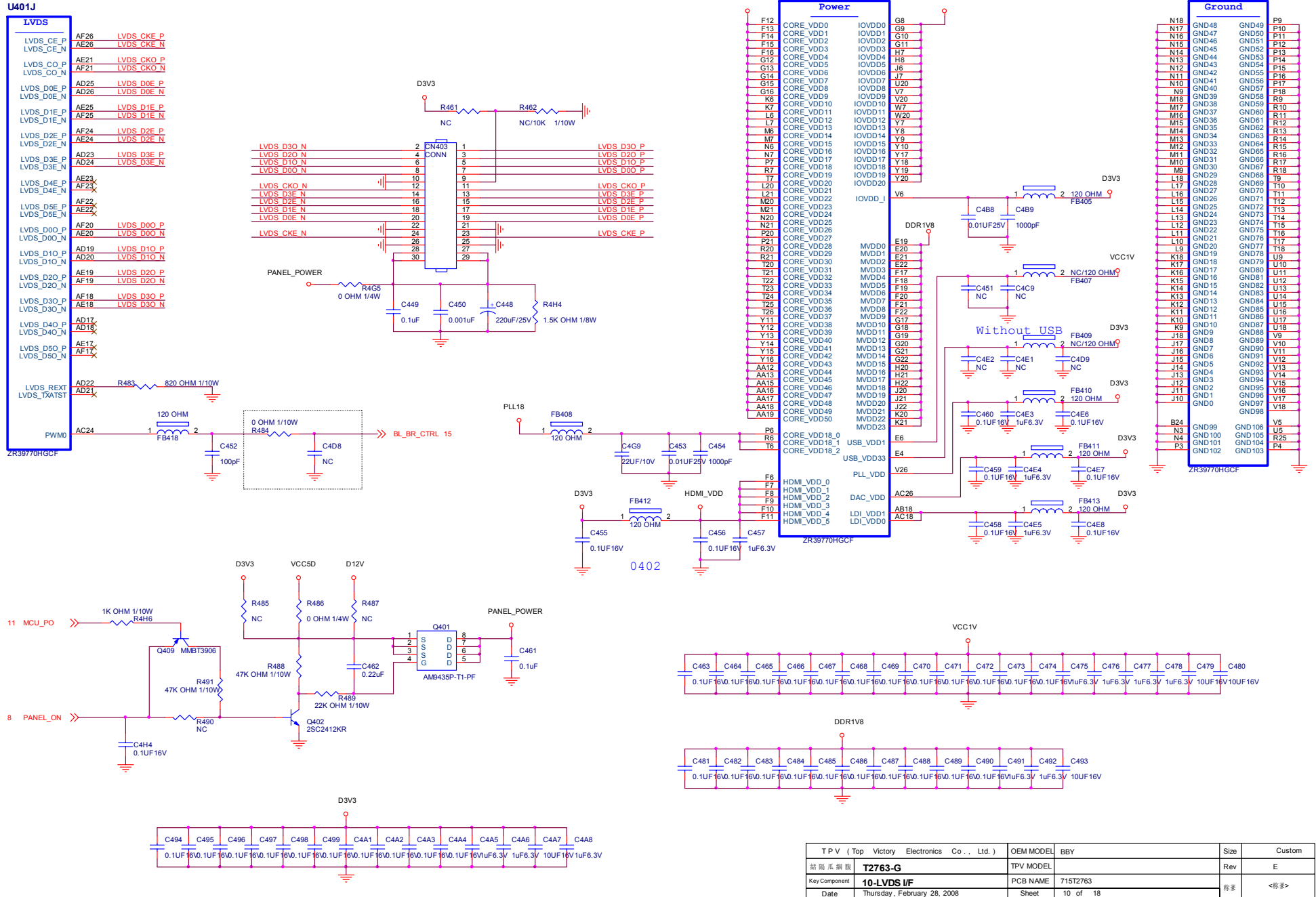
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U401Q

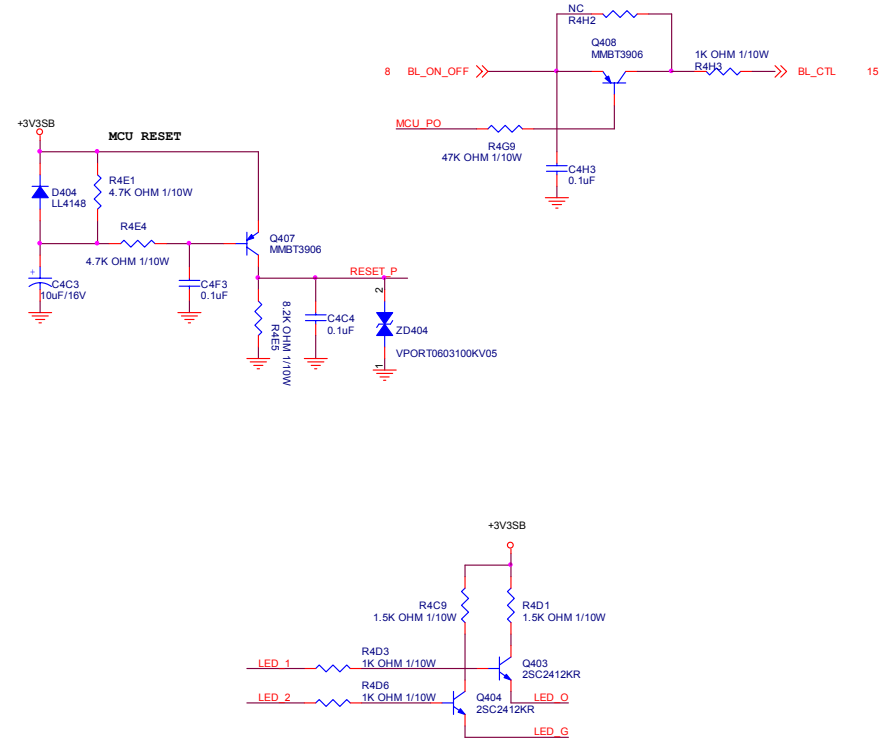
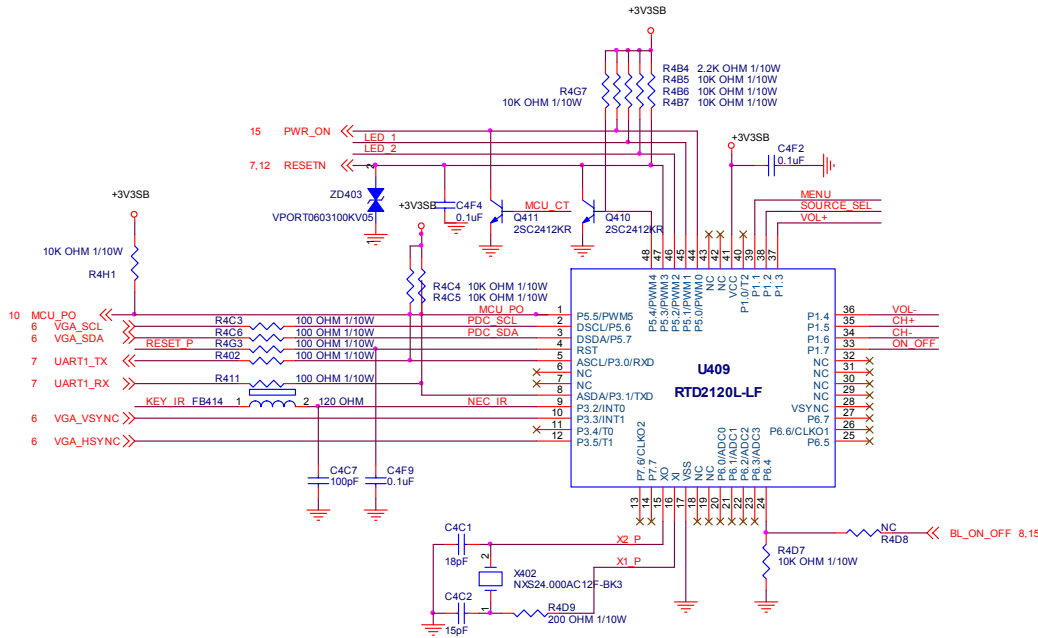
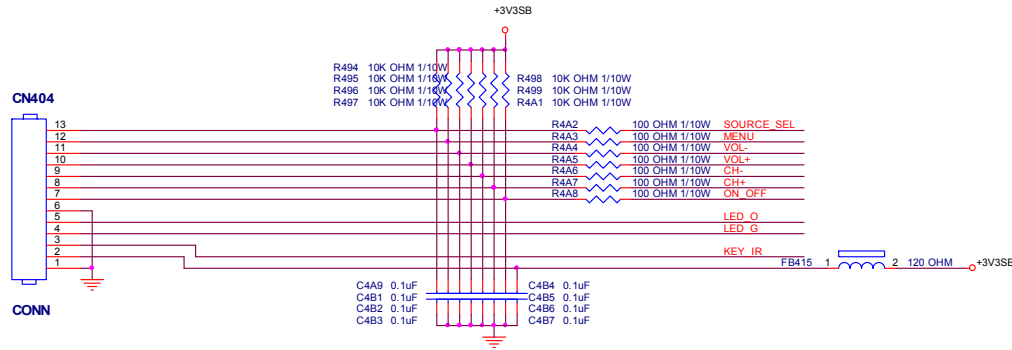




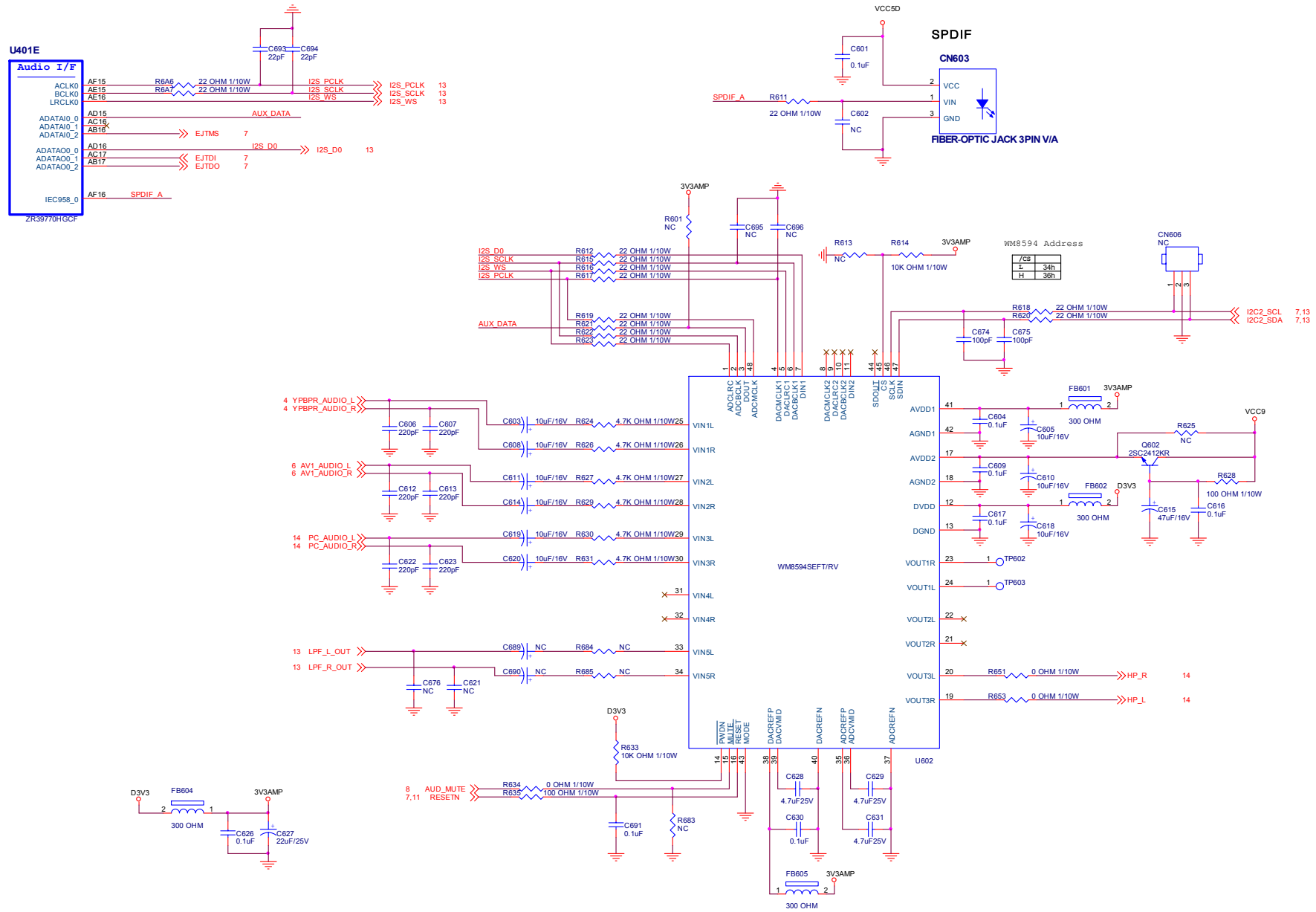


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Key Component	10-LVDS I/F	PCB NAME	715T2763	称差
Date	Thursday, February 28, 2008	Sheet	10 of 18	<称差>

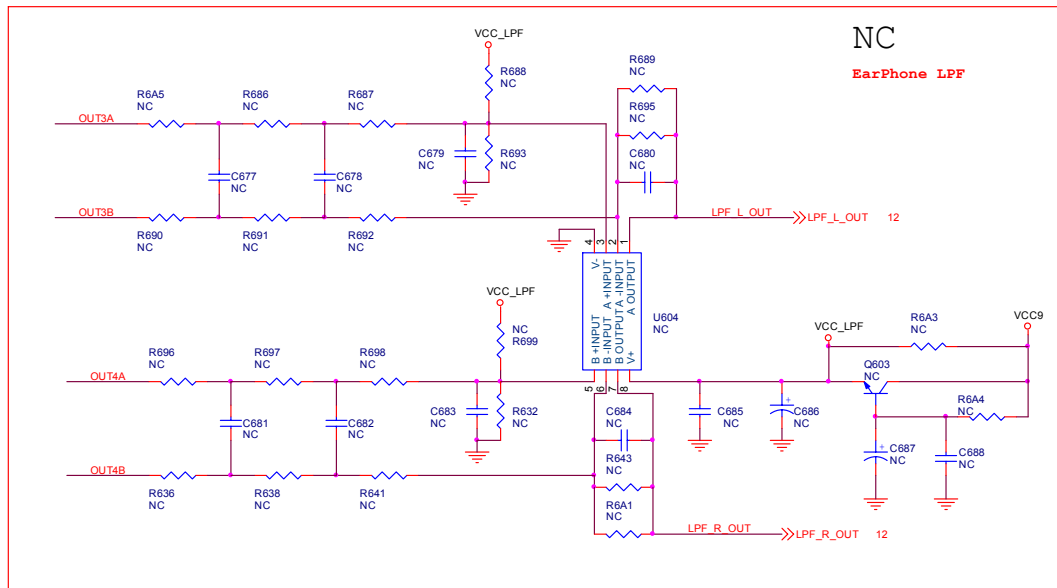
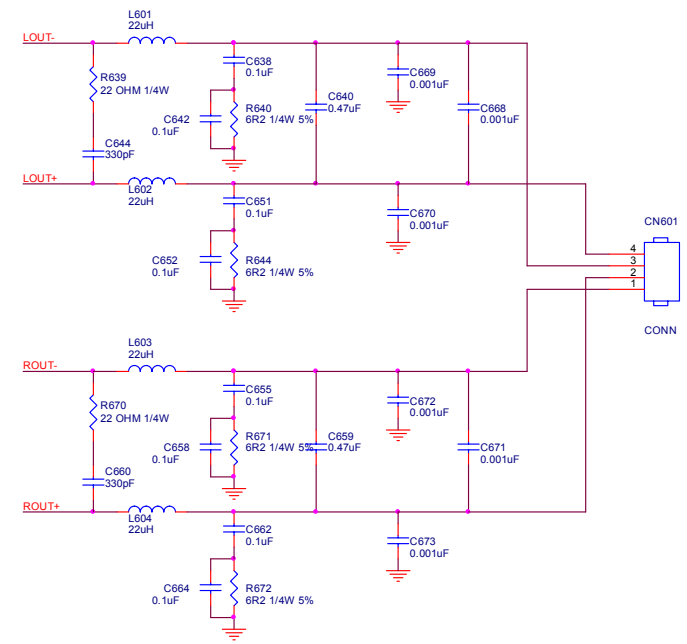
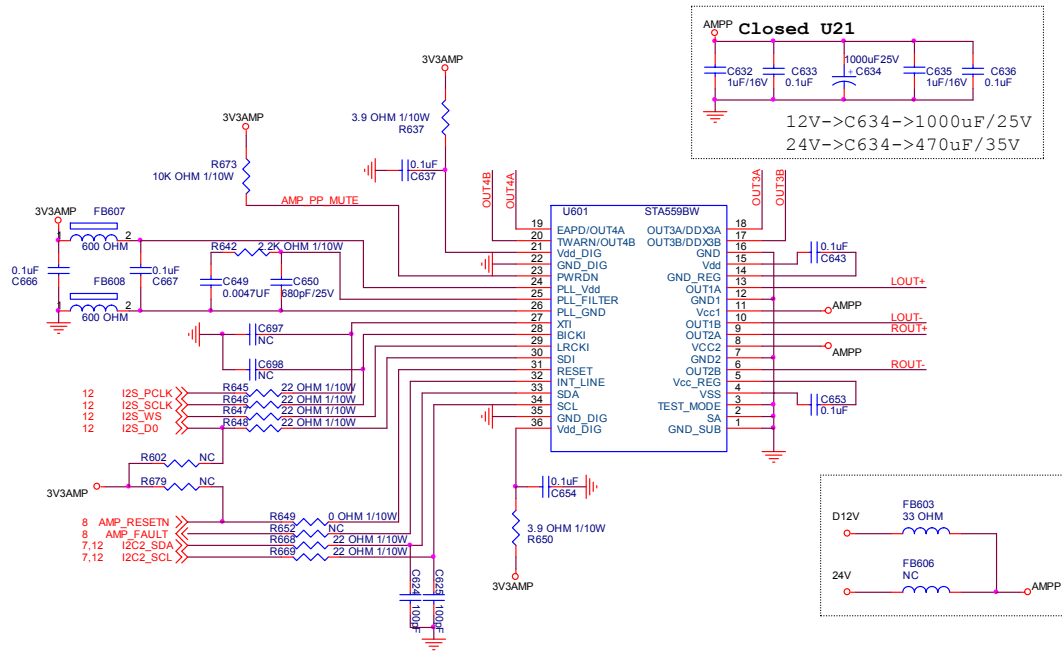




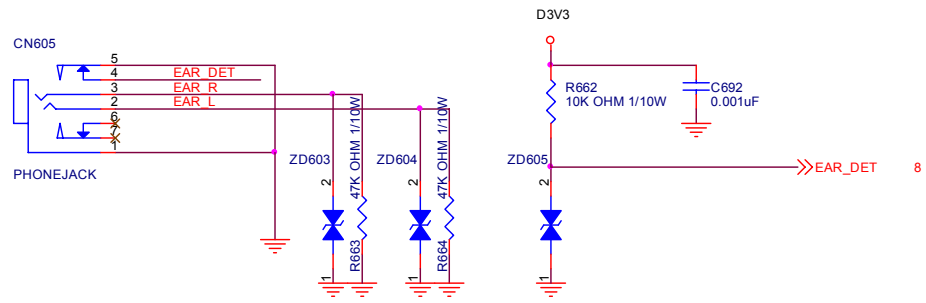
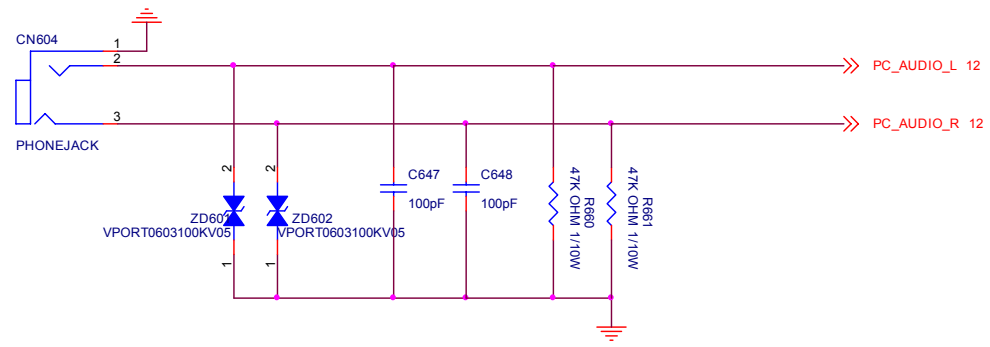
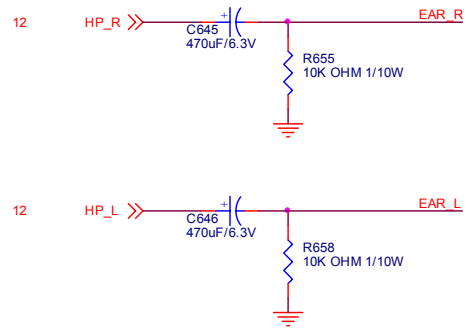
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嘉爾瓜爾	<b>T2763-G</b>	TPV MODEL	Rev	E
Key Component	<b>11-Standby MCU</b>	PCB NAME	715T2763	
Date	Thursday, February 28, 2008	Sheet	11 of 18	修葺 <修葺>



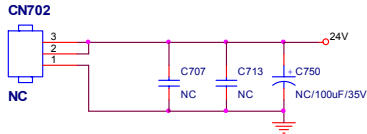
TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	BBY	Size	Custom
振華電通	<b>T2763-G</b>		Rev	E
Key Component	<b>12-Audio Processor</b>	PCB NAME	715T2763	料號
Date	Thursday, February 28, 2008	Sheet	12 of 18	<修修>



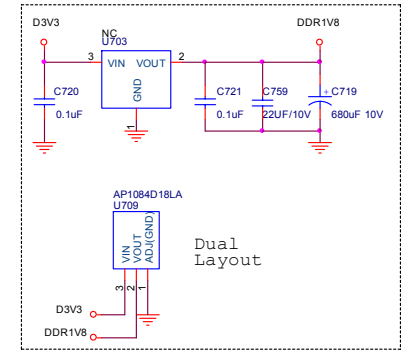
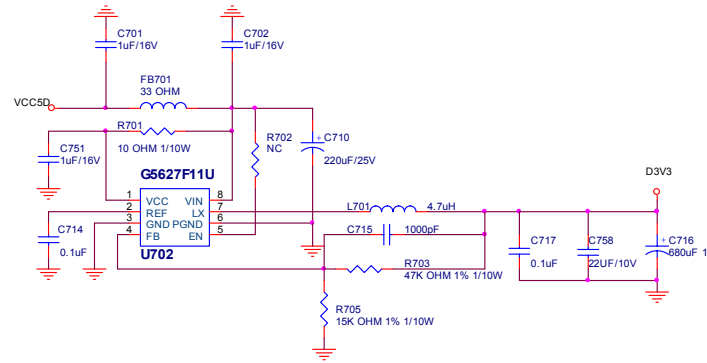
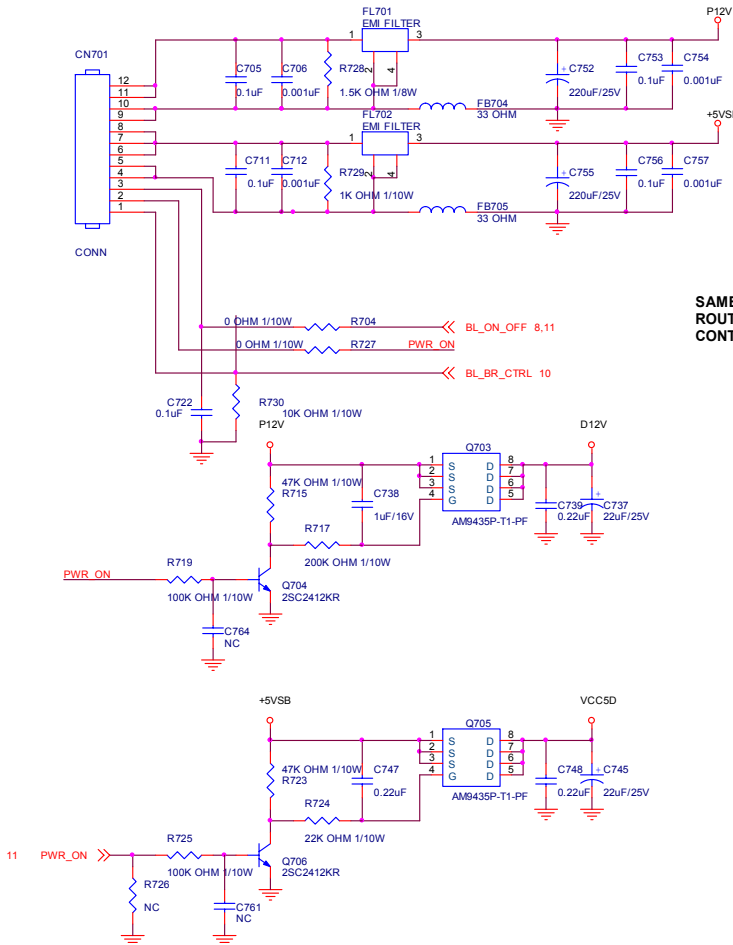
TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	BBY	Size	Custom
話筒瓜架版	<b>T2763-G</b>		Rev	E
Key Component	<b>13-Audio Amplifier</b>	PCB NAME	715T2763	
Date	Thursday, February 28, 2008	Sheet	13 of 18	修簽 <修簽>



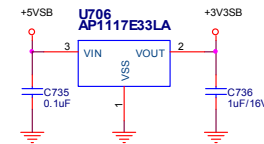
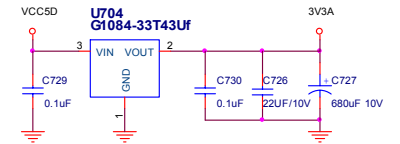
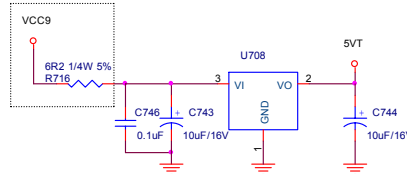
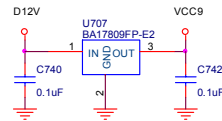
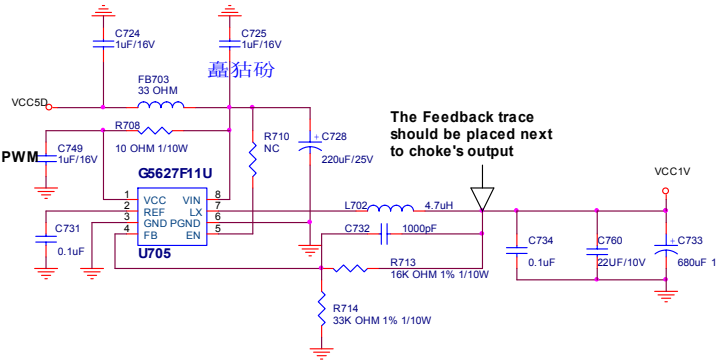
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結隔瓜樂服 <b>T2763-G</b>	TPV MODEL		Rev	E
Key Component	<b>14-Earphone/AV Output</b>	PCB NAME	715T2763	稱參 <稱參>
Date	Thursday, February 28, 2008	Sheet	14 of 18	



FROM POWER BOARD



SAME LAYER ROUTING WITH PWM CONTROLLER



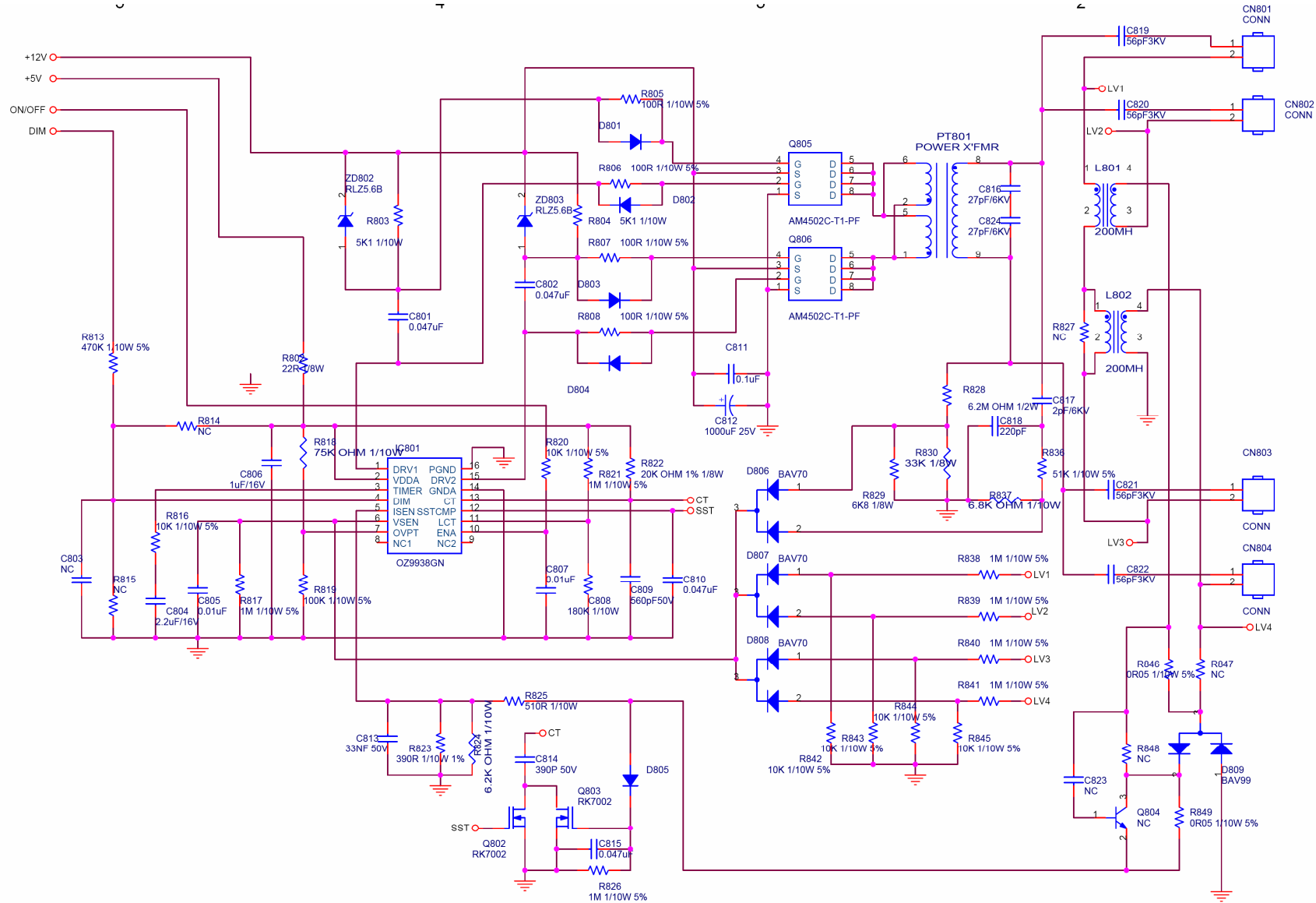
- 5,6,10,12 VCC5D
- 12,13 VCC9
- 3 5VT
- 11 +3V3SB
- 5,6,7,8,10,11,12,14 D3V3
- 3,8 3V3A
- 9,10 DDR1V8
- 10 VCC1V
- 13 24V

TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	BBY	Size	Custom
蘇麻瓜 蘇麻	T2763-G		Rev	E
Key Component	15-Power	PCB NAME	715T2763	稱差 <稱差>
Date	Thursday, February 28, 2008	Sheet	15 of 18	

# 22"LCD TV

## 9.2 Power Board

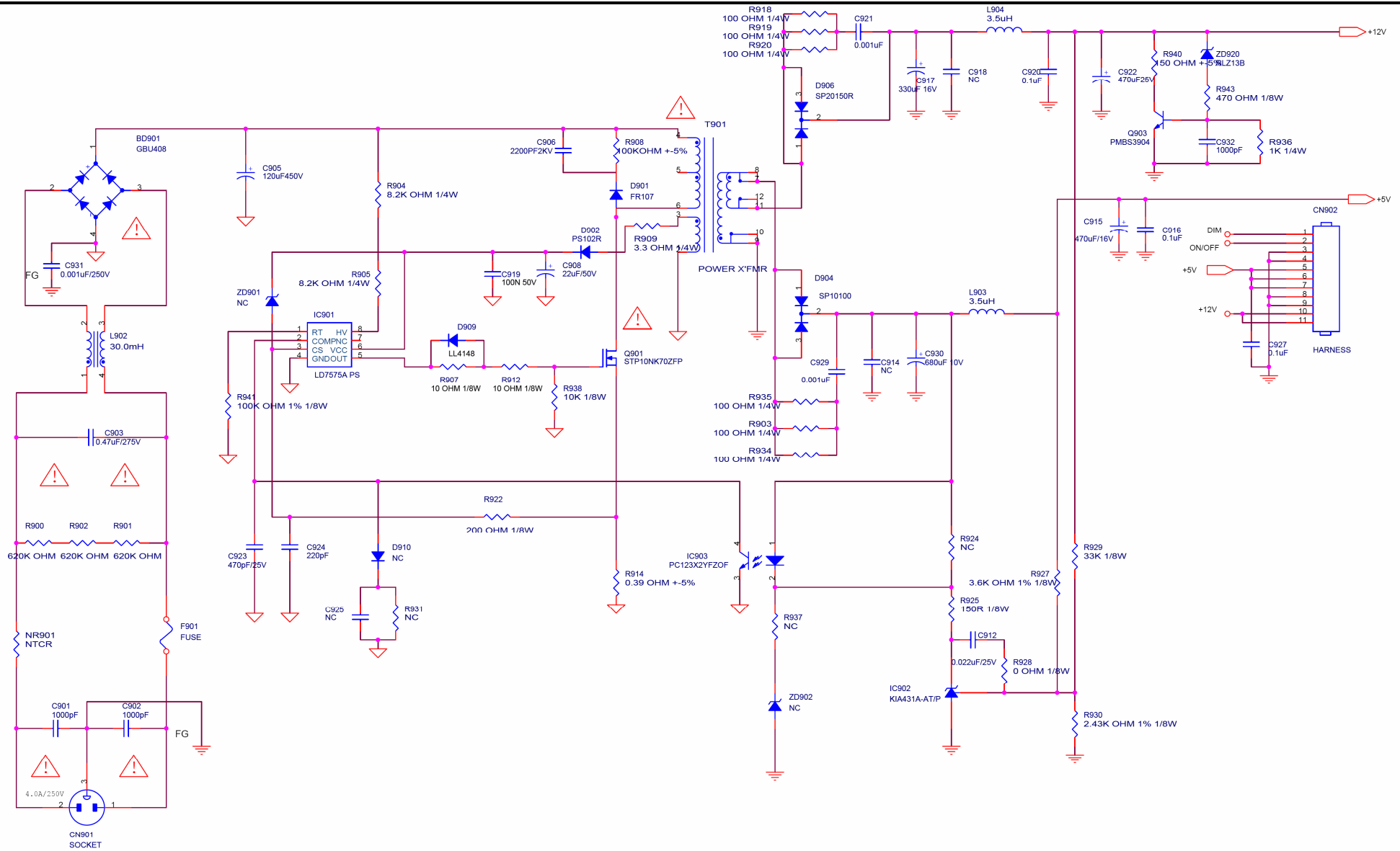
Vizio VW22LHDTV10T



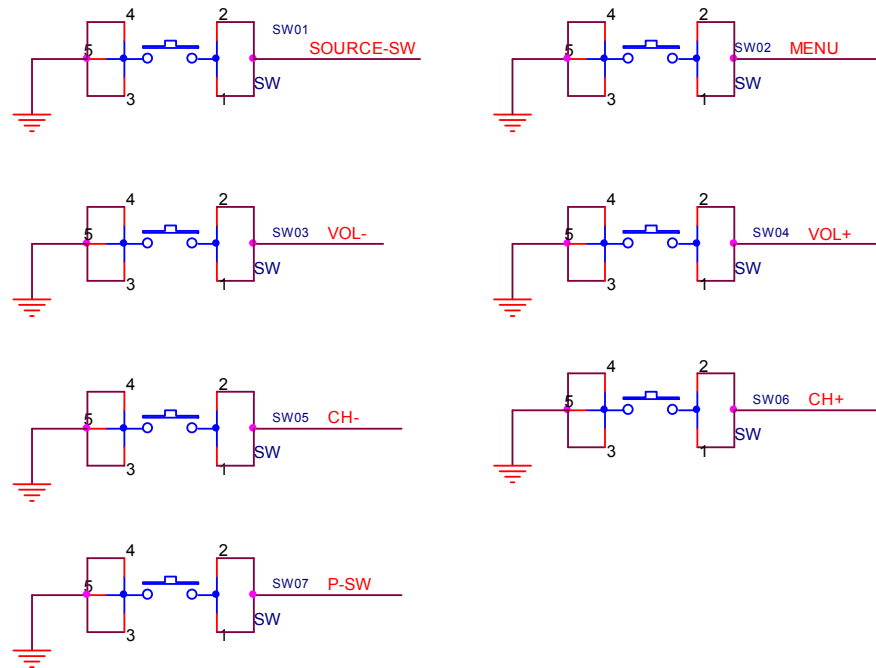
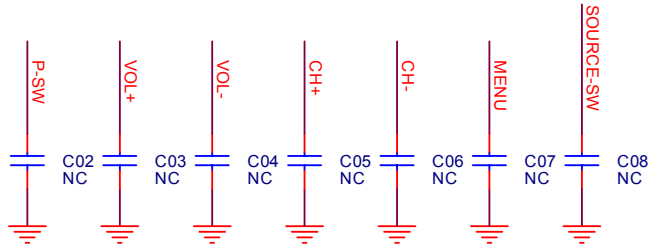
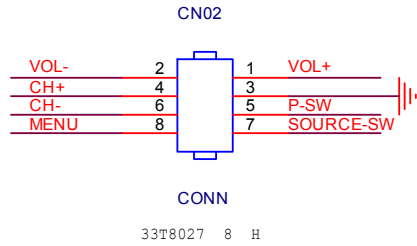
7.0mA R824=6.2K  
7.5mA R824=3.3K



TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	Size	B
絲瓜網膜	T2783-1-2-X-1-080102	Rev	1.0
Key Component	03.INVERTER	PCB NAME	71512783 1 2
Date	Wednesday, January 02, 2008	Sheet	1 of 3
		修簽	<修簽>



TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL		Size	A3
話 瓜 網 展	T2783-1-2-X-1.080102	TPV MODEL	PWTV7941MAA2	Rev
Key Component	02.POWER	PCB NAME	71512783 1 2	Rev
Date	Wednesday, January 02, 2008	Sheet	2 of 3	稱 號



Title		
Size A	Document Number <b>715T2833</b>	Rev A
Date: Thursday, August 02, 2007	Sheet 1 of 1	



10. Exploded View

VIZIO 22W TV EXPLODE

08 TV 22W(PSWG-NAT)			
ITEM	PIN	DESCRIPTION	QUANTITY
1		Bezel	1
2		Rear Cover	1
3		KEY Cover	1
4		KEY Button	1
5		IR Lens	1
6		MASK_BEZEL	1
7		Stand	1
8		Base	1
9		Main Frame	1
10		Side Cover/NAFTA	1
11		Vent BKT	2
12		22W HINGE BKT	1
13		Hinge ass'y	1
14	M1T1730-8-120(M3*)	Main Frame/Panel	4
15	M1T1730-8-120(M3*)	POWER BKT/Main Frame	4
16	M1T1730-8-120(M3*)	AG Socket/Main Frame	2
17			
18	M1T1730-8-120(M3*)	SCALAR BD-NAFTA/Main Frame	4
19	Q1T1830-8-120(C3*)	KEY Button/KEY Cover	2
20	D1T1830-8-120(M3*)	KEY Cover/Main Frame	1
21	Q1T1830-8-120(C3*)	Hinge BKT/Bezel	2
22	Q1T1030-8-120(C3*)	Speaker/Bezel	4
23	Q1T1830-8-47-CR3(C3*)	RCA/Rear Cover	1
24	D1T1830-8-47-CR3(M3*)	HDMI/Rear Cover	2
25	D1T1830-8-47-CR3(M3*)	Rear Cover/Main Frame	2
26	Q1T1840-10-47-CR3(M4*10)	Rear Cover/Bezel	2
27	M1T1840-8-47-CR3(M4*10)	Rear Cover/Hinge/Hinge BKT	3
28	M1T1740-10-120(M4*10)	Hinge/Stand	3
29	Q12T6300 26 6	Rubber pad	8

## 11. BOM List

E2282ZKNW7VZNN

Location	Part No.	Description
	040T 581 26704	SHIPPING LABEL
	041T 68508 A	CONTROL CARD
	044T9003214	CORNER PAPER
	045T 77 3	PE PACKING
	049T 51 1A	ERADICATOR
	050T 600 2	HANDLE1
	050T 600 3	HANDLE2
	052T 1150 C	BLACK TAPE
	052T 1185	MIDDLE TAPE FOR CARTON
	052T 1186	SMALL TAPE
	052T 1209 A	ADHESIVE TAPE 50(W)*135
	052T 1211 B	ADHESIVE TYPE
	052T 2191 A	TAPE
	052T 2191 A	TAPE
E07801	078T 494510 Y	SPK 8 OHM 3.5W 25X80 500 600MM SUNLINK
E08901	089T402A18N IS	POWER CORD
	092TB1JX1A21GM	BATTERY LR06 XINLI
E09501	095T801413X666	WIRE HARNESS 13P(PLUG)-5P(A1253HA HR)+8P
E09502	095T8018 3X694	LVDS CABLE
	098TRABD1NEVZU	REMOTE CONTROL FOR VIZIO 6150BC0-R
	0D1T 930 6120	SCREW
	0D1T 930 8 47 CR3	SCREW
	0D1T 930 8 47 CR3	SCREW
	0M1T 940 8 47 CR3	SCREW
	0M1T1730 6120	SCREW 3*6MM
	0M1T1730 8120	SCREW
	0M1T1730 8120	SCREW
	0M1T1740 16 47 CR3	SCREW
	0Q1T 930 8 47 CR3	SCREW
	0Q1T 930 10120	SCREW
	0Q1T 940 10 47 CR3	SCREW
	0Q1T1030 6120	SCREW
	705TQ733045	PLASTIC ASS'Y
	705TQ834025	REAR_COVER BBY ASS'Y
	705TQ834097	BEZEL 22W-8A5 VIZIO ASS'Y
	705TQ834098	STAND ASS'Y
E750	750TVVC0Z1311N	PANEL TPM220Z1-L03 C1A FQ TPV
	A15T0306101	SIDE COVER-NAFTA
	A15T0309101	MAINFRAME
	CBPF8Z5KQB	MAIN BAORD

	IRPF8QAA	IR BOARD
	PWTV8C41OQDL	POWER BOARD
	Q07T 8 3 19	COMPOUND PALLET
	Q07T 8 3 20	COMPOUND PALLET
	Q11T5005 1	WIRE SADDLE
	Q12T6300 26 6	RUBBER PAD
	Q34T0375BBV 1L0100	MASK BEZEL
	Q36T 600 35 2 GP	NONWOVEN FABRIC
	Q36T 600 35 10 GP	NONWOVEN FABRIC
	Q36T 600 43 1	NONWOVEN FABRIC
	Q40T 220997 1A	RATING LABEL
	Q40T 581935 2A	MERCURY LABEL
	Q40T0001624 4A	PALLET LABEL
	Q41T7800997 1A	REGISTRATION CARD
	Q41T7800997 2A	WARRANTY CARD
	Q41T7800997 3A	QSG
	Q44T6002121118	PAPER BOARD
	Q44T600260811A	PAPER BOARD
	Q44TC036101	EPS
	Q44TC036201	EPS
	Q44TC036997 1A	22 TV VIZIO CARTON
	Q45T 76 28NV2 R	PE BAG FOR CLAMP
	Q45T 99609 37 R	EPE COVER
	Q45T 99609 97	EPE COVER FOR BASE
	Q45T2007M0102A	PE BAG
	Q41T2201997 1A	MANUAL
	040T 58162435A	LABEL
	Q40T0001786 2A	RFID LABEL
	0Q1T 930 6120	SCREW
	A33T0305 QV 1L0100	BUTTON_FUNC
	A33T0309 GMA1L0100	COVER_FUNC
	KEPF7QAA	KEY BOARD
	A15T0315101	VESA BKT
	A34T0527 GM 1A0100	REAR_COVER
	Q36T 600 30 1	NONWOVEN FABRIC
	Q33T0185AEU 1C0100	IR LENS-A5
	Q34T0341 GMA1L0130	BEZEL 22W-8A5
	0M1T1740 10120	SCREW 42A9940008/42A9990008
	A34T0524 GM 1L0100	STAND
	A37T0056013	HINGE ASS'Y
	Q34T0340 GM 1L0133	BASE_S5
	040T 457624 1B	CPU LABEL
	040T 45762412B	CBPC LABEL

CN601	033T3278 4D	CONNECTOR
CN701	033T327812D	WAFER 12P PLUG
CN404	033T380213B Y	CONNECTOR
CN403	033T8027 30 H	CONNECTOR
C634	067T215S1024KV	EC 105°C CAP 1000UF M 25V
CN202	088T 78 1357C	RCA JACK 1*1 W+R V/A
CN203	088T 78 V6 C	RCA JACK 2*3 VERTICAL TYPE
CN605	088T 30211K	PHONE JACK
CN604	088T 30252C	PHONE JACK 3.5MM 3P V/A GREEN
CN204	088T 35315F VC	D-SUB 15PIN VERTICAL CONNECTOR
CN603	088T 359 5 JT	FIBER-OPTIC 3P V/T JST1227
CN201	088T100Z 5A CL	5 PIN MINI DIN JACK
X402	093T 2245B J1	XTL NXS24.000AC12F-KAB3 12PF 30PPM
X401	093T 2262B J	CRYSTAL NXS25.000 AC 20PF HC-49/US NSK
TU202	094TNTAT MA 4M	TUNER NTSC+ATSC ENG36E21KF PANASONIC
	Q12T 408 9	THERMAL PAD
	Q85T0078101 S	SHIELD
U01	056T 627 14 1	IC KSM-2003TN2E 37.9KHZ
GND	009T6005 1	GROUND TERMINAL
CN804	033G8021 2E U	INVERT CONNECTOR
CN803	033G8021 2E U	INVERT CONNECTOR
CN802	033G8021 2E U	INVERT CONNECTOR
CN801	033G8021 2E U	INVERT CONNECTOR
	040G 45762420A	LABEL 25X6MM
	051G 6 4503	GLUE_RTV
IC903	056G 139 3A	IC PC123Y22FZ0F
NR901	061G 5810T	RST NTCR 8 OHM +-20% 4A 13MM THINKING
C903	063G 10747410V	0.47UF 275VAC ARCO
C931	065G306M1022BM	Y1.CAP.001UF 250VAC MURATA
C822	065T 3J5606ET	CAP CER 56PF J 3KV
C821	065T 3J5606ET	CAP CER 56PF J 3KV
C820	065T 3J5606ET	CAP CER 56PF J 3KV
C819	065T 3J5606ET	CAP CER 56PF J 3KV
C817	065T 6J2096ET	2PF 5% SL 6KV TDK
C816	065T 6J2706ET	27PF 5% SL 6KV TDK
C824	065T 6J2706ET	27PF 5% SL 6KV TDK
C901	065T305M1022BP	1000PF
C902	065T305M1022BP	1000PF
C812	067G215H102 4K	LOW ESR EC 1000UF 25V EB1E102M
C915	067G215S4713KV	EC 105°C CAP 470UF M 16V
C905	067G315Z12115K	CAP 105°C 120UF M 450V
C917	067T 2043313KT	CS CAP 330UF 16V 10*12 MM
C922	067T215D4714KV	EC 105°C CAP 470UF M 25V

L902	073L 174 40 HG	GBQM4.778.391
L801	073T 174 35YSA	LINE FILTER 200MH+-25% TOP NATION
L802	073T 174 35YSA	LINE FILTER 200MH+-25% TOP NATION
T901	080TL19T 33 N	X'FMR 530UH YUVA-893
PT802	080TL22T 4 DN	X'FMR 775MH TK.2001Y.101
CN901	087T 501 44 DL	AC SOCKET 3PIN + 2 SCREW HOLE V/T
BD901	093G 50460900	BRIDGE DIODE GBU408 LITEON
CN902	095T 82011X501	WIRE HARNESS 11P(SAN)-10P(PLUG) 220MM
	705GQ757019	Q901 ASS'Y
	705GQ793050	D904 ASS'Y
	705TQ793033	D906 ASS'Y
L903	S73G25391V	CHOKER COIL ASS'Y
L904	S73G25391V	CHOKER COIL ASS'Y
CN02	033T8027 8 H	WAFER
SW02	077T 600 1GCJ	TACT SWITCH TSPB-2 -NP
SW01	077T 600 1GCJ	TACT SWITCH TSPB-2 -NP
SW06	077T 600 1GCJ	TACT SWITCH TSPB-2 -NP
SW07	077T 600 1GCJ	TACT SWITCH TSPB-2 -NP
SW04	077T 600 1GCJ	TACT SWITCH TSPB-2 -NP
SW05	077T 600 1GCJ	TACT SWITCH TSPB-2 -NP
SW03	077T 600 1GCJ	TACT SWITCH TSPB-2 -NP
	715T2833 1	KEY BOARD PCB
C659	064T701J4740AT	0.47UF 50V
C640	064T701J4740AT	0.47UF 50V
C716	067T 2046812KT	CS CAP 680UF 10V 8*11 MM
C733	067T 2046812KT	CS CAP 680UF 10V 8*11 MM
C727	067T 2046812KT	CS CAP 680UF 10V 8*11 MM
C719	067T 2046812KT	CS CAP 680UF 10V 8*11 MM
C744	067T 305100 3T	10UF 16V
C743	067T 305100 3T	10UF 16V
C620	067T 305100 3T	10UF 16V
C619	067T 305100 3T	10UF 16V
C618	067T 305100 3T	10UF 16V
C614	067T 305100 3T	10UF 16V
C611	067T 305100 3T	10UF 16V
C610	067T 305100 3T	10UF 16V
C608	067T 305100 3T	10UF 16V
C605	067T 305100 3T	10UF 16V
C603	067T 305100 3T	10UF 16V
C4C3	067T 305100 3T	10UF 16V
C236	067T 305100 3T	10UF 16V
C627	067T 305220 4T	105 RADIAL E-CAPACTOR 22UF 25V
C737	067T 305220 4T	105 RADIAL E-CAPACTOR 22UF 25V

C745	067T 305220 4T	105 RADIAL E-CAPACTOR 22UF 25V
C615	067T 305470 3T	EC 105°C 47UF M 16V
C645	067T 305471 1T	EC 105°C 470UF M 6.3V
C646	067T 305471 1T	EC 105°C 470UF M 6.3V
C245	067T 305471 3T	470UF +-20% 16V
C755	067T215B221 4T	CAP 105°C 220UF M 25V 8*12
C752	067T215B221 4T	CAP 105°C 220UF M 25V 8*12
C728	067T215B221 4T	CAP 105°C 220UF M 25V 8*12
C710	067T215B221 4T	CAP 105°C 220UF M 25V 8*12
C448	067T215B221 4T	CAP 105°C 220UF M 25V 8*12
L601	073T 259901 T	CHOKE 22UH 10% TSL0808RA-220K1R7
L602	073T 259901 T	CHOKE 22UH 10% TSL0808RA-220K1R7
L603	073T 259901 T	CHOKE 22UH 10% TSL0808RA-220K1R7
L604	073T 259901 T	CHOKE 22UH 10% TSL0808RA-220K1R7
R01	061T0603153	RST CHIPR 15 KOHM +-5% 1/10W
C01	065T0603104 32	CHIP 0.1UF 50V X7R
LED01	081T 14 24 EL	CHIP LED BLUE/DARK RED
	715T3001 1	IR BOARD PCB
CN01	033T8032 5F HR	CONN.1.25PITCH
	051G 200 1	OIL FOR DISAPPEAR
Q901	057G 667 21	STP10NK70ZFP
	0M1G1730 8120	SCREW
HS1	Q90T6064 5 GP	HEATSINK
	051G 200 1	OIL FOR DISAPPEAR
HS2	090G6064 1 GP	HEAT SINK
D904	093G 60267	SP10100
	0M1G1730 8120	SCREW
	051G 200 1	OIL FOR DISAPPEAR
	090G6273 1	HEAT SINK
D906	093G 60268	YG865C15RSC
	0M1G1730 8120	SCREW
IC801	056G 608 10	IC OZ9938GN-B SOIC-16
IC901	056T 379107	IC LD7575A PS SOP-8
Q903	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q803	057G 759 2	RK7002
Q802	057G 759 2	RK7002
Q805	057T 600517	AO4616 SOIC-8
Q806	057T 600517	AO4616 SOIC-8
R846	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R849	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R808	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R807	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R806	061G0603101	RST CHIPR 100 OHM +-5% 1/10W

R805	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R816	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R820	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R842	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R843	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R844	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R845	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R817	061G0603105	RST CHIPR 1M OHM +-5% 1/10W
R821	061G0603105	RST CHIPR 1M OHM +-5% 1/10W
R826	061G0603105	RST CHIPR 1M OHM +-5% 1/10W
R838	061G0603105	RST CHIPR 1M OHM +-5% 1/10W
R839	061G0603105	RST CHIPR 1M OHM +-5% 1/10W
R840	061G0603105	RST CHIPR 1M OHM +-5% 1/10W
R841	061G0603105	RST CHIPR 1M OHM +-5% 1/10W
C808	061G0603184	RST CHIPR 180 KOHM +-5% 1/10W
R823	061G0603390 0F	RST CHIPR 390 OHM +-1% 1/10W
R813	061G0603474	RST CHIPR 470 KOHM +-5% 1/10W
R825	061G0603511	RST CHIPR 510 OHM +-5% 1/10W
R803	061G0603512	RST CHIPR 5.1 KOHM +-5% 1/10W
R804	061G0603512	RST CHIPR 5.1 KOHM +-5% 1/10W
R836	061G0603513	RST CHIPR 51 KOHM +-5% 1/10W
R907	061G0805100	10 OHM 1/10W
R912	061G0805100	10 OHM 1/10W
R941	061G0805100 3F	RST CHIPR 100KOHM +-1% 1/8W
R938	061G0805103	RST CHIPR 10K OHM +-5% 1/8W
R925	061G0805151	RST CHIPR 150 OHM +-5% 1/8W
R822	061G0805200 2F	RST CHIPR 20 KOHM +-1% 1/8W
R802	061G0805220	RST CHIPR 22 OHM +-1% 1/8W
R930	061G0805243 1F	RST CHIPR 2.43 KOHM +-1% 1/8W
R929	061G0805330 2F	RST CHIPR 33K OHM +-1% 1/8W
R830	061G0805333	RST CHIPR 33 KOHM +-5% 1/8W
R829	061G0805682	RST CHIPR 6.8 KOHM +-5% 1/8W
RJ801	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
RJ901	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
RJ902	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
RJ903	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
RJ904	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
RJ905	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
R903	061G1206101	RST CHIPR 100 OHM +-5% 1/4W
R918	061G1206101	RST CHIPR 100 OHM +-5% 1/4W
R919	061G1206101	RST CHIPR 100 OHM +-5% 1/4W
R920	061G1206101	RST CHIPR 100 OHM +-5% 1/4W
R934	061G1206101	RST CHIPR 100 OHM +-5% 1/4W

R935	061G1206101	RST CHIPR 100 OHM +-5% 1/4W
R936	061G1206102	RST CHIPR 1K OHM +-5% 1/4W
R909	061G1206339	3.3 1206
R819	061T0603104	RST CHIPR 100KOHM +-5% 1/10W
R824	061T0603620 1F	RST CHIP 6.2K 1/10W 1%
R837	061T0603682	RST CHIPR 6.8KOHM +-5% 1/10W
R818	061T0603753	RST CHIPR 75 KOHM +-5% 1/10W
R928	061T0805000	RST CHIPR 0 OHM +-5% 1/8W
R922	061T0805201	RST CHIPR 200 OHM +-5% 1/8W
R927	061T0805360 1F	RST CHIPR 3.6 KOHM +-1% 1/8W
R943	061T0805471	RST CHIPR 470 OHM +-5% 1/8W
R902	061T1206624	RST CHIPR 620 KOHM +-5% 1/4W
R901	061T1206624	RST CHIPR 620 KOHM +-5% 1/4W
R900	061T1206624	RST CHIPR 620 KOHM +-5% 1/4W
R905	061T1206822	RST CHIPR 8.2 KOHM +-5% 1/4W
R904	061T1206822	RST CHIPR 8.2 KOHM +-5% 1/4W
C807	065G0603103 12	CHIP 0.01UF 16V X7R
C805	065G0603103 12	CHIP 0.01UF 16V X7R
C806	065G0603105 12	CHIP 1UF 16VX7R 0603
C818	065G0603221 31	CER1 0603 NP0 50V 220P P
C813	065G0603333 32	0.033UF/50V
C815	065G0603473 32	CHIP 0.047UF 50V X7R
C810	065G0603473 32	CHIP 0.047UF 50V X7R
C927	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R
C920	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R
C919	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R
C916	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R
C811	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R
C924	065G0805221 31	CAP CHIP 0805 220PF J 50V NPO
C912	065G0805223 22	CHIP 0.022UF 25V X7R 080
C804	065G0805225 12	CAP CHIP 0805 2.2UF K 16V X7R
C814	065G0805391 31	CHIP 390PF 50V
C923	065G0805471 21	CAP CHIP 0805 470PF J 25V NPO
C802	065G0805473 32	CHIP 0.047UF 50V X7R
C801	065G0805473 32	CHIP 0.047UF 50V X7R
C929	065G1206102 72	CAP CHIP 1206 1000PF K 500V X7R
C921	065G1206102 72	CAP CHIP 1206 1000PF K 500V X7R
C932	065T0805102 31	1000PF 50V NPO
C809	065T080556131G	CAP CHIP 0805 560PF G 50V NPO
D809	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D808	093G 64 42 P	BAV70 SOT23 BY PAN JIT
D806	093G 64 42 P	BAV70 SOT23 BY PAN JIT
D807	093G 64 42 P	BAV70 SOT23 BY PAN JIT



D909	093G 6432P	LL4148
D802	093G 6432P	LL4148
D803	093G 6432P	LL4148
D804	093G 6432P	LL4148
D805	093G 6432P	LL4148
D801	093G 6432P	LL4148
ZD802	093G 39S 24 T	RLZ 5.6B LLDS
ZD803	093G 39S 24 T	RLZ 5.6B LLDS
ZD920	093G 39S 40 T	RLZ 13B LLDS
FL701	053T 43 1	FILTER BULLWILL
FL702	053T 43 1	FILTER BULLWILL
U707	056T 133 23 R	BA17809FP-E2
U702	056T 379 92	IC G5627F11U SOP-8(FD)
U705	056T 379 92	IC G5627F11U SOP-8(FD)
U709	056T 563 56	AP1084D18LA TO-252-3L
U704	056T 563 75	G1084-33T43UF TO-252
U407	056T 563135	IC G952T24UF SOT-89
U708	056T 585 9	IC AP1117E50LA ANACHIP
U405	056T 585 10	AP1117ELA-ADJ
U706	056T 585 4A	AP1117E33LA
U601	056T 593 31	IC STA559BW13TR POWERSSO36
U406	056T 615 67	IC NT5TU32M16CG-25C 512MB BGA-84
U602	056T 647 23	IC WM8594SEFT/RV TQFP-48
U502	056T 662 11	IC CM2031-A0TR TSSOP-38
U409	056T1125701 X(DVZKZ4M22NQ1)	IC MCU RTD2120L-LF LQFP48
U401	056T1126 32	IC ZR39770BGCF BGA-632
U202	056T1133 34	M24C02-WMN6TP
U402	056T1133103(DVZKZ4M22FQ1)	IC M25P32-VMF6P 32M S0-16
U403	056T113353A	M24C32-WMN6TP
U203	056T4LVCG17 TI	IC SN74LVC1G17DBVR STO-23
U204	056T4LVCG17 TI	IC SN74LVC1G17DBVR STO-23
Q407	057T 417512	TRA MMBT3906 BLUE ROKET
Q408	057T 417512	TRA MMBT3906 BLUE ROKET
Q409	057T 417512	TRA MMBT3906 BLUE ROKET
Q401	057T 763 3B	AM9435P.T1-PF SO-8
Q703	057T 763 3B	AM9435P.T1-PF SO-8
Q705	057T 763 3B	AM9435P.T1-PF SO-8
Q411	057T 765 1	2SC2412KR
Q410	057T 765 1	2SC2412KR
Q706	057T 765 1	2SC2412KR
Q704	057T 765 1	2SC2412KR
Q602	057T 765 1	2SC2412KR

Q404	057T 765 1	2SC2412KR
Q403	057T 765 1	2SC2412KR
Q402	057T 765 1	2SC2412KR
Q202	057T 765 1	2SC2412KR
R4G6	061T0603000	RST CHIPR 0 OHM +5% 1/10W
R704	061T0603000	RST CHIPR 0 OHM +5% 1/10W
R727	061T0603000	RST CHIPR 0 OHM +5% 1/10W
R653	061T0603000	RST CHIPR 0 OHM +5% 1/10W
R651	061T0603000	RST CHIPR 0 OHM +5% 1/10W
R649	061T0603000	RST CHIPR 0 OHM +5% 1/10W
R634	061T0603000	RST CHIPR 0 OHM +5% 1/10W
R501	061T0603000	RST CHIPR 0 OHM +5% 1/10W
R4F8	061T0603000	RST CHIPR 0 OHM +5% 1/10W
R4B1	061T0603000	RST CHIPR 0 OHM +5% 1/10W
R484	061T0603000	RST CHIPR 0 OHM +5% 1/10W
R451	061T0603000	RST CHIPR 0 OHM +5% 1/10W
R208	061T0603000	RST CHIPR 0 OHM +5% 1/10W
R701	061T0603100	CHIP 10OHM 1/16W
R708	061T0603100	CHIP 10OHM 1/16W
R4E7	061T0603101	RST CHIPR 100 OHM +5% 1/10W
R4C6	061T0603101	RST CHIPR 100 OHM +5% 1/10W
R4C3	061T0603101	RST CHIPR 100 OHM +5% 1/10W
R635	061T0603101	RST CHIPR 100 OHM +5% 1/10W
R628	061T0603101	RST CHIPR 100 OHM +5% 1/10W
R4G3	061T0603101	RST CHIPR 100 OHM +5% 1/10W
R4F9	061T0603101	RST CHIPR 100 OHM +5% 1/10W
R4A8	061T0603101	RST CHIPR 100 OHM +5% 1/10W
R4A7	061T0603101	RST CHIPR 100 OHM +5% 1/10W
R4A6	061T0603101	RST CHIPR 100 OHM +5% 1/10W
R4A5	061T0603101	RST CHIPR 100 OHM +5% 1/10W
R257	061T0603101	RST CHIPR 100 OHM +5% 1/10W
R262	061T0603101	RST CHIPR 100 OHM +5% 1/10W
R402	061T0603101	RST CHIPR 100 OHM +5% 1/10W
R411	061T0603101	RST CHIPR 100 OHM +5% 1/10W
R429	061T0603101	RST CHIPR 100 OHM +5% 1/10W
R452	061T0603101	RST CHIPR 100 OHM +5% 1/10W
R454	061T0603101	RST CHIPR 100 OHM +5% 1/10W
R4A2	061T0603101	RST CHIPR 100 OHM +5% 1/10W
R4A3	061T0603101	RST CHIPR 100 OHM +5% 1/10W
R4A4	061T0603101	RST CHIPR 100 OHM +5% 1/10W
R729	061T0603102	RST CHIPR 1KOHM +5% 1/10W
R4H6	061T0603102	RST CHIPR 1KOHM +5% 1/10W
R4H3	061T0603102	RST CHIPR 1KOHM +5% 1/10W

R216	061T0603102	RST CHIPR 1KOHM +-5% 1/10W
R255	061T0603102	RST CHIPR 1KOHM +-5% 1/10W
R4D6	061T0603102	RST CHIPR 1KOHM +-5% 1/10W
R4D3	061T0603102	RST CHIPR 1KOHM +-5% 1/10W
R406	061T0603102	RST CHIPR 1KOHM +-5% 1/10W
R405	061T0603102	RST CHIPR 1KOHM +-5% 1/10W
R403	061T0603102	RST CHIPR 1KOHM +-5% 1/10W
R283	061T0603102	RST CHIPR 1KOHM +-5% 1/10W
R259	061T0603102	RST CHIPR 1KOHM +-5% 1/10W
R633	061T0603103	RST CHIPR 10KOHM +-5% 1/10W
R614	061T0603103	RST CHIPR 10KOHM +-5% 1/10W
R510	061T0603103	RST CHIPR 10KOHM +-5% 1/10W
R4C5	061T0603103	RST CHIPR 10KOHM +-5% 1/10W
R4C4	061T0603103	RST CHIPR 10KOHM +-5% 1/10W
R4B7	061T0603103	RST CHIPR 10KOHM +-5% 1/10W
R4B6	061T0603103	RST CHIPR 10KOHM +-5% 1/10W
R4B5	061T0603103	RST CHIPR 10KOHM +-5% 1/10W
R4A1	061T0603103	RST CHIPR 10KOHM +-5% 1/10W
R499	061T0603103	RST CHIPR 10KOHM +-5% 1/10W
R498	061T0603103	RST CHIPR 10KOHM +-5% 1/10W
R497	061T0603103	RST CHIPR 10KOHM +-5% 1/10W
R496	061T0603103	RST CHIPR 10KOHM +-5% 1/10W
R495	061T0603103	RST CHIPR 10KOHM +-5% 1/10W
R494	061T0603103	RST CHIPR 10KOHM +-5% 1/10W
R424	061T0603103	RST CHIPR 10KOHM +-5% 1/10W
R278	061T0603103	RST CHIPR 10KOHM +-5% 1/10W
R655	061T0603103	RST CHIPR 10KOHM +-5% 1/10W
R658	061T0603103	RST CHIPR 10KOHM +-5% 1/10W
R662	061T0603103	RST CHIPR 10KOHM +-5% 1/10W
R673	061T0603103	RST CHIPR 10KOHM +-5% 1/10W
ZD221	061T0603103	RST CHIPR 10KOHM +-5% 1/10W
R4G7	061T0603103	RST CHIPR 10KOHM +-5% 1/10W
R4H1	061T0603103	RST CHIPR 10KOHM +-5% 1/10W
R719	061T0603104	RST CHIPR 100KOHM +-5% 1/10W
R725	061T0603104	RST CHIPR 100KOHM +-5% 1/10W
R428	061T0603105	RST CHIPR 1MOHM +-5% 1/10W
R445	061T0603120 0F	RST CHIPR 120 OHM +-1% 1/10W
R705	061T0603150 2F	RST CHIPR 15 KOHM +-1% 1/10W
R713	061T0603150 2F	RST CHIPR 15 KOHM +-1% 1/10W
R4D1	061T0603152	CHIP 1.5KOHM 1/16W
R4C9	061T0603152	CHIP 1.5KOHM 1/16W
R444	061T0603200 0F	RST CHIPR 200 OHM +-1% 1/10W
R4D9	061T0603201	RST CHIPR 200 OHM +-5% 1/10W

R717	061T0603204	RST CHIPR 200 KOHM +-5% 1/10W
R617	061T0603220	CHIP 22OHM 1/10W
R616	061T0603220	CHIP 22OHM 1/10W
R615	061T0603220	CHIP 22OHM 1/10W
R612	061T0603220	CHIP 22OHM 1/10W
R611	061T0603220	CHIP 22OHM 1/10W
R4G4	061T0603220	CHIP 22OHM 1/10W
R4G2	061T0603220	CHIP 22OHM 1/10W
R4G1	061T0603220	CHIP 22OHM 1/10W
R408	061T0603220	CHIP 22OHM 1/10W
R282	061T0603220	CHIP 22OHM 1/10W
R277	061T0603220	CHIP 22OHM 1/10W
R276	061T0603220	CHIP 22OHM 1/10W
R275	061T0603220	CHIP 22OHM 1/10W
R274	061T0603220	CHIP 22OHM 1/10W
R6A7	061T0603220	CHIP 22OHM 1/10W
R6A6	061T0603220	CHIP 22OHM 1/10W
R669	061T0603220	CHIP 22OHM 1/10W
R668	061T0603220	CHIP 22OHM 1/10W
R648	061T0603220	CHIP 22OHM 1/10W
R647	061T0603220	CHIP 22OHM 1/10W
R646	061T0603220	CHIP 22OHM 1/10W
R645	061T0603220	CHIP 22OHM 1/10W
R623	061T0603220	CHIP 22OHM 1/10W
R622	061T0603220	CHIP 22OHM 1/10W
R621	061T0603220	CHIP 22OHM 1/10W
R620	061T0603220	CHIP 22OHM 1/10W
R619	061T0603220	CHIP 22OHM 1/10W
R618	061T0603220	CHIP 22OHM 1/10W
R642	061T0603222	CHIP 2.2K OHM 1/16W
R515	061T0603222	CHIP 2.2K OHM 1/16W
R4B4	061T0603222	CHIP 2.2K OHM 1/16W
R272	061T0603222	CHIP 2.2K OHM 1/16W
R269	061T0603222	CHIP 2.2K OHM 1/16W
R267	061T0603222	CHIP 2.2K OHM 1/16W
R266	061T0603222	CHIP 2.2K OHM 1/16W
R211	061T0603222	CHIP 2.2K OHM 1/16W
R489	061T0603223	CHIP 22KOHM 1/16W
R724	061T0603223	CHIP 22KOHM 1/16W
R457	061T0603270	RST CHIPR 27 OHM +-5% 1/10W
R215	061T0603273	RST CHIPR 27 KOHM +-5% 1/10W
R714	061T0603300 2F	RST CHIPR 30 KOHM +-1% 1/10W
R459	061T0603301	RST CHIPR 300OHM +-5% 1/10W

R273	061T0603301	RST CHIPR 300OHM +-5% 1/10W
R270	061T0603301	RST CHIPR 300OHM +-5% 1/10W
R254	061T0603330	CHIP 330OHM 1/16W
R449	061T0603332	RST CHIPR 3.3 KOHM +-5% 1/10W
R637	061T0603339	RST CHIPR 3.3 OHM +-5% 1/10W
R650	061T0603339	RST CHIPR 3.3 OHM +-5% 1/10W
R237	061T0603348 0F	RST CHIPR 348 OHM +-1% 1/10W
R511	061T0603390 0F	RST CHIPR 390 OHM +-1% 1/10W
R203	061T0603390 1F	RST CHIPR 3.9 KOHM +-1% 1/10W
R212	061T0603393	RST CHIPR 39 KOHM +-5% 1/10W
R201	061T0603470	RST CHIPR 47 OHM +-5% 1/10W
R410	061T0603470	RST CHIPR 47 OHM +-5% 1/10W
R421	061T0603470	RST CHIPR 47 OHM +-5% 1/10W
R422	061T0603470	RST CHIPR 47 OHM +-5% 1/10W
R423	061T0603470	RST CHIPR 47 OHM +-5% 1/10W
R703	061T0603470 2F	RST CHIPR 47 KOHM +-1% 1/10W
R213	061T0603471	RST CHIPR 470OHM +-5% 1/10W
R418	061T0603472	CHIP 4.7KOHM 1/16W
R417	061T0603472	CHIP 4.7KOHM 1/16W
R416	061T0603472	CHIP 4.7KOHM 1/16W
R415	061T0603472	CHIP 4.7KOHM 1/16W
R414	061T0603472	CHIP 4.7KOHM 1/16W
R409	061T0603472	CHIP 4.7KOHM 1/16W
R407	061T0603472	CHIP 4.7KOHM 1/16W
R404	061T0603472	CHIP 4.7KOHM 1/16W
R401	061T0603472	CHIP 4.7KOHM 1/16W
R210	061T0603472	CHIP 4.7KOHM 1/16W
R419	061T0603472	CHIP 4.7KOHM 1/16W
R4A9	061T0603472	CHIP 4.7KOHM 1/16W
R261	061T0603472	CHIP 4.7KOHM 1/16W
R260	061T0603472	CHIP 4.7KOHM 1/16W
R631	061T0603472	CHIP 4.7KOHM 1/16W
R630	061T0603472	CHIP 4.7KOHM 1/16W
R629	061T0603472	CHIP 4.7KOHM 1/16W
R627	061T0603472	CHIP 4.7KOHM 1/16W
R626	061T0603472	CHIP 4.7KOHM 1/16W
R624	061T0603472	CHIP 4.7KOHM 1/16W
R509	061T0603472	CHIP 4.7KOHM 1/16W
R4E4	061T0603472	CHIP 4.7KOHM 1/16W
R4E1	061T0603472	CHIP 4.7KOHM 1/16W
R4B2	061T0603472	CHIP 4.7KOHM 1/16W
R442	061T0603472	CHIP 4.7KOHM 1/16W
R441	061T0603472	CHIP 4.7KOHM 1/16W

R431	061T0603472	CHIP 4.7KOHM 1/16W
R430	061T0603472	CHIP 4.7KOHM 1/16W
R427	061T0603472	CHIP 4.7KOHM 1/16W
R426	061T0603472	CHIP 4.7KOHM 1/16W
R425	061T0603472	CHIP 4.7KOHM 1/16W
R4G9	061T0603473	CHIP 47KOHM 1/16W
R491	061T0603473	CHIP 47KOHM 1/16W
R723	061T0603473	CHIP 47KOHM 1/16W
R715	061T0603473	CHIP 47KOHM 1/16W
R664	061T0603473	CHIP 47KOHM 1/16W
R663	061T0603473	CHIP 47KOHM 1/16W
R661	061T0603473	CHIP 47KOHM 1/16W
R660	061T0603473	CHIP 47KOHM 1/16W
R488	061T0603473	CHIP 47KOHM 1/16W
R246	061T0603473	CHIP 47KOHM 1/16W
R245	061T0603473	CHIP 47KOHM 1/16W
R234	061T0603473	CHIP 47KOHM 1/16W
R233	061T0603473	CHIP 47KOHM 1/16W
R458	061T0603510	RST CHIPR 51 OHM +-5% 1/10W
R202	061T0603512	RST CHIPR 5.1 KOHM +-5% 1/10W
R280	061T0603512	RST CHIPR 5.1 KOHM +-5% 1/10W
R281	061T0603512	RST CHIPR 5.1 KOHM +-5% 1/10W
R450	061T0603620 2F	RST CHIPR 62 KOHM +-1% 1/10W
R228	061T0603750 9F	CHIP 75OHM 1/10W 1%
R229	061T0603750 9F	CHIP 75OHM 1/10W 1%
R232	061T0603750 9F	CHIP 75OHM 1/10W 1%
R242	061T0603750 9F	CHIP 75OHM 1/10W 1%
R243	061T0603750 9F	CHIP 75OHM 1/10W 1%
R244	061T0603750 9F	CHIP 75OHM 1/10W 1%
R250	061T0603750 9F	CHIP 75OHM 1/10W 1%
R251	061T0603750 9F	CHIP 75OHM 1/10W 1%
R252	061T0603750 9F	CHIP 75OHM 1/10W 1%
R448	061T0603750 9F	CHIP 75OHM 1/10W 1%
R502	061T0603752	RST CHIPR 7.5 KOHM +-5% 1/10W
R503	061T0603752	RST CHIPR 7.5 KOHM +-5% 1/10W
R506	061T0603752	RST CHIPR 7.5 KOHM +-5% 1/10W
R507	061T0603752	RST CHIPR 7.5 KOHM +-5% 1/10W
R483	061T0603821	RST CHIPR 820 OHM +-5% 1/10W
R4E5	061T0603822	RST CHIPR 8.2 KOHM +-5% 1/10W
R447	061T0603845 0F	RST CHIPR 0603 845R 1/10W 1%
R446	061T0603845 0F	RST CHIPR 0603 845R 1/10W 1%
R453	061T0603910	RST CHIPR 91 OHM +-5% 1/10W
R728	061T0805152	RST CHIPR 1.5 KOHM +-5% 1/8W

R4H4	061T0805152	RST CHIPR 1.5 KOHM +-5% 1/8W
R4G5	061T1206000	RST CHIPR 0 OHM +-5% 1/4W
R486	061T1206000	RST CHIPR 0 OHM +-5% 1/4W
R670	061T1206220	RST CHIPR 22 OHM +-5% 1/4W
R639	061T1206220	RST CHIPR 22 OHM +-5% 1/4W
R716	061T1206629	RST CHIP 6R2 1/4W 5%
R672	061T1206629	RST CHIP 6R2 1/4W 5%
R671	061T1206629	RST CHIP 6R2 1/4W 5%
R644	061T1206629	RST CHIP 6R2 1/4W 5%
R640	061T1206629	RST CHIP 6R2 1/4W 5%
C732	065T0402102 32	1000PF +-10% 50V X7R
C715	065T0402102 32	1000PF +-10% 50V X7R
C4B9	065T0402102 32	1000PF +-10% 50V X7R
C454	065T0402102 32	1000PF +-10% 50V X7R
C410	065T0402102 32	1000PF +-10% 50V X7R
C408	065T0402102 32	1000PF +-10% 50V X7R
C281	065T0402102 32	1000PF +-10% 50V X7R
C275	065T0402102 32	1000PF +-10% 50V X7R
C223	065T0402102 32	1000PF +-10% 50V X7R
C217	065T0402102 32	1000PF +-10% 50V X7R
C4B8	065T0402103 22	CHIP 0.01UF 25V X7R
C453	065T0402103 22	CHIP 0.01UF 25V X7R
C411	065T0402103 22	CHIP 0.01UF 25V X7R
C409	065T0402103 22	CHIP 0.01UF 25V X7R
C230	065T0402103 22	CHIP 0.01UF 25V X7R
C209	065T0402103 22	CHIP 0.01UF 25V X7R
C4G6	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C4F1	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C4E8	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C490	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C489	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C488	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C487	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C486	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C485	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C484	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C458	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C459	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C460	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C463	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C464	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C465	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C466	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R

C467	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C471	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C472	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C473	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C474	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C481	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C482	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C483	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C468	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C469	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C470	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C476	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C491	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C492	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C494	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C495	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C496	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C497	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C498	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C499	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C4A1	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C4A2	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C4A3	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C234	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C4E7	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C4E6	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C4D7	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C4D6	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C4D5	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C4D2	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C4A4	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C4A5	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C4A6	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C4A8	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C4H4	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C4G7	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C475	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C477	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C478	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C456	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C201	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C204	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C207	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R



C208	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C211	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C212	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C221	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C222	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C225	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C226	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C233	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C455	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C414	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C406	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C291	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C280	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C279	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C278	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C269	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C260	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C256	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C255	065T0402104 12	CAP CHIP 0402 0.1UF 16V X7R
C407	065T0402105 05	MLCC 0402 1UF K 6.3V X5R
C413	065T0402105 05	MLCC 0402 1UF K 6.3V X5R
C415	065T0402105 05	MLCC 0402 1UF K 6.3V X5R
C457	065T0402105 05	MLCC 0402 1UF K 6.3V X5R
C4D4	065T0402105 05	MLCC 0402 1UF K 6.3V X5R
C4E3	065T0402105 05	MLCC 0402 1UF K 6.3V X5R
C4E4	065T0402105 05	MLCC 0402 1UF K 6.3V X5R
C4E5	065T0402105 05	MLCC 0402 1UF K 6.3V X5R
C235	065T0402105 05	MLCC 0402 1UF K 6.3V X5R
C272	065T0402224 A7	CAP 0402 0.22UF Z 10V
C273	065T0402224 A7	CAP 0402 0.22UF Z 10V
C274	065T0402224 A7	CAP 0402 0.22UF Z 10V
C205	065T0603101 31	CHIP 100PF 50V NPO
C206	065T0603101 31	CHIP 100PF 50V NPO
C452	065T0603101 31	CHIP 100PF 50V NPO
C4C7	065T0603101 31	CHIP 100PF 50V NPO
C4F5	065T0603101 31	CHIP 100PF 50V NPO
C4F6	065T0603101 31	CHIP 100PF 50V NPO
C624	065T0603101 31	CHIP 100PF 50V NPO
C625	065T0603101 31	CHIP 100PF 50V NPO
C647	065T0603101 31	CHIP 100PF 50V NPO
C648	065T0603101 31	CHIP 100PF 50V NPO
C674	065T0603101 31	CHIP 100PF 50V NPO
C675	065T0603101 31	CHIP 100PF 50V NPO

C241	065T0603102 31	CHIP 1000PF 50V NPO
C244	065T0603102 31	CHIP 1000PF 50V NPO
C250	065T0603102 31	CHIP 1000PF 50V NPO
C450	065T0603102 31	CHIP 1000PF 50V NPO
C668	065T0603102 31	CHIP 1000PF 50V NPO
C669	065T0603102 31	CHIP 1000PF 50V NPO
C670	065T0603102 31	CHIP 1000PF 50V NPO
C671	065T0603102 31	CHIP 1000PF 50V NPO
C672	065T0603102 31	CHIP 1000PF 50V NPO
C673	065T0603102 31	CHIP 1000PF 50V NPO
C692	065T0603102 31	CHIP 1000PF 50V NPO
C706	065T0603102 31	CHIP 1000PF 50V NPO
C754	065T0603102 31	CHIP 1000PF 50V NPO
C757	065T0603102 31	CHIP 1000PF 50V NPO
C712	065T0603102 32	CHIP 1000PF 50V X7R
C601	065T0603104 32	CHIP 0.1UF 50V X7R
C604	065T0603104 32	CHIP 0.1UF 50V X7R
C609	065T0603104 32	CHIP 0.1UF 50V X7R
C616	065T0603104 32	CHIP 0.1UF 50V X7R
C617	065T0603104 32	CHIP 0.1UF 50V X7R
C626	065T0603104 32	CHIP 0.1UF 50V X7R
C630	065T0603104 32	CHIP 0.1UF 50V X7R
C633	065T0603104 32	CHIP 0.1UF 50V X7R
C731	065T0603104 32	CHIP 0.1UF 50V X7R
C734	065T0603104 32	CHIP 0.1UF 50V X7R
C735	065T0603104 32	CHIP 0.1UF 50V X7R
C740	065T0603104 32	CHIP 0.1UF 50V X7R
C742	065T0603104 32	CHIP 0.1UF 50V X7R
C4B4	065T0603104 32	CHIP 0.1UF 50V X7R
C4B5	065T0603104 32	CHIP 0.1UF 50V X7R
C4B6	065T0603104 32	CHIP 0.1UF 50V X7R
C4B7	065T0603104 32	CHIP 0.1UF 50V X7R
C4C4	065T0603104 32	CHIP 0.1UF 50V X7R
C4F2	065T0603104 32	CHIP 0.1UF 50V X7R
C4F3	065T0603104 32	CHIP 0.1UF 50V X7R
C4F4	065T0603104 32	CHIP 0.1UF 50V X7R
C4F7	065T0603104 32	CHIP 0.1UF 50V X7R
C4F9	065T0603104 32	CHIP 0.1UF 50V X7R
C501	065T0603104 32	CHIP 0.1UF 50V X7R
C502	065T0603104 32	CHIP 0.1UF 50V X7R
C505	065T0603104 32	CHIP 0.1UF 50V X7R
C507	065T0603104 32	CHIP 0.1UF 50V X7R
C746	065T0603104 32	CHIP 0.1UF 50V X7R

C691	065T0603104 32	CHIP 0.1UF 50V X7R
C705	065T0603104 32	CHIP 0.1UF 50V X7R
C711	065T0603104 32	CHIP 0.1UF 50V X7R
C714	065T0603104 32	CHIP 0.1UF 50V X7R
C717	065T0603104 32	CHIP 0.1UF 50V X7R
C720	065T0603104 32	CHIP 0.1UF 50V X7R
C721	065T0603104 32	CHIP 0.1UF 50V X7R
C729	065T0603104 32	CHIP 0.1UF 50V X7R
C730	065T0603104 32	CHIP 0.1UF 50V X7R
C636	065T0603104 32	CHIP 0.1UF 50V X7R
C637	065T0603104 32	CHIP 0.1UF 50V X7R
C638	065T0603104 32	CHIP 0.1UF 50V X7R
C642	065T0603104 32	CHIP 0.1UF 50V X7R
C643	065T0603104 32	CHIP 0.1UF 50V X7R
C753	065T0603104 32	CHIP 0.1UF 50V X7R
C756	065T0603104 32	CHIP 0.1UF 50V X7R
C722	065T0603104 32	CHIP 0.1UF 50V X7R
C4H3	065T0603104 32	CHIP 0.1UF 50V X7R
C654	065T0603104 32	CHIP 0.1UF 50V X7R
C653	065T0603104 32	CHIP 0.1UF 50V X7R
C652	065T0603104 32	CHIP 0.1UF 50V X7R
C651	065T0603104 32	CHIP 0.1UF 50V X7R
C655	065T0603104 32	CHIP 0.1UF 50V X7R
C658	065T0603104 32	CHIP 0.1UF 50V X7R
C662	065T0603104 32	CHIP 0.1UF 50V X7R
C664	065T0603104 32	CHIP 0.1UF 50V X7R
C666	065T0603104 32	CHIP 0.1UF 50V X7R
C667	065T0603104 32	CHIP 0.1UF 50V X7R
C237	065T0603104 32	CHIP 0.1UF 50V X7R
C240	065T0603104 32	CHIP 0.1UF 50V X7R
C243	065T0603104 32	CHIP 0.1UF 50V X7R
C249	065T0603104 32	CHIP 0.1UF 50V X7R
C289	065T0603104 32	CHIP 0.1UF 50V X7R
C403	065T0603104 32	CHIP 0.1UF 50V X7R
C422	065T0603104 32	CHIP 0.1UF 50V X7R
C423	065T0603104 32	CHIP 0.1UF 50V X7R
C426	065T0603104 32	CHIP 0.1UF 50V X7R
C427	065T0603104 32	CHIP 0.1UF 50V X7R
C428	065T0603104 32	CHIP 0.1UF 50V X7R
C4B3	065T0603104 32	CHIP 0.1UF 50V X7R
C4B2	065T0603104 32	CHIP 0.1UF 50V X7R
C4B1	065T0603104 32	CHIP 0.1UF 50V X7R
C4A9	065T0603104 32	CHIP 0.1UF 50V X7R

C461	065T0603104 32	CHIP 0.1UF 50V X7R
C449	065T0603104 32	CHIP 0.1UF 50V X7R
C434	065T0603104 32	CHIP 0.1UF 50V X7R
C433	065T0603104 32	CHIP 0.1UF 50V X7R
C432	065T0603104 32	CHIP 0.1UF 50V X7R
C431	065T0603104 32	CHIP 0.1UF 50V X7R
C429	065T0603104 32	CHIP 0.1UF 50V X7R
C632	065T0603105 12	CHIP 1UF 16V X7R
C635	065T0603105 12	CHIP 1UF 16V X7R
C425	065T0603105 17	CHIP 1UF 16V Y5V
C430	065T0603105 17	CHIP 1UF 16V Y5V
C4D3	065T0603105 17	CHIP 1UF 16V Y5V
C4F8	065T0603105 17	CHIP 1UF 16V Y5V
C701	065T0603105 17	CHIP 1UF 16V Y5V
C702	065T0603105 17	CHIP 1UF 16V Y5V
C724	065T0603105 17	CHIP 1UF 16V Y5V
C725	065T0603105 17	CHIP 1UF 16V Y5V
C736	065T0603105 17	CHIP 1UF 16V Y5V
C738	065T0603105 17	CHIP 1UF 16V Y5V
C749	065T0603105 17	CHIP 1UF 16V Y5V
C751	065T0603105 17	CHIP 1UF 16V Y5V
C4C2	065T0603150 31	CHIP 15PF 50V NPO
C247	065T0603152 32	CHIP 1500PF 50V X7R
C4C1	065T0603180 31	CHIP 18PF 50V NPO
C694	065T0603220 31	CHIP 22PF 50V NPO
C693	065T0603220 31	CHIP 22PF 50V NPO
C4H2	065T0603220 31	CHIP 22PF 50V NPO
C4G1	065T0603220 31	CHIP 22PF 50V NPO
C4G3	065T0603220 31	CHIP 22PF 50V NPO
C4H1	065T0603220 31	CHIP 22PF 50V NPO
C606	065T0603221 32	CHIP 220PF 50V X7R
C607	065T0603221 32	CHIP 220PF 50V X7R
C623	065T0603221 32	CHIP 220PF 50V X7R
C622	065T0603221 32	CHIP 220PF 50V X7R
C613	065T0603221 32	CHIP 220PF 50V X7R
C612	065T0603221 32	CHIP 220PF 50V X7R
C285	065T0603224 32	MLCC 0603 0.22UF K 50V X7R
C462	065T0603224 32	MLCC 0603 0.22UF K 50V X7R
C739	065T0603224 32	MLCC 0603 0.22UF K 50V X7R
C747	065T0603224 32	MLCC 0603 0.22UF K 50V X7R
C748	065T0603224 32	MLCC 0603 0.22UF K 50V X7R
C402	065T0603224 32	MLCC 0603 0.22UF K 50V X7R
C404	065T0603330 31 GP	CHIP 33PF 50V NPO

C405	065T0603330 31 GP	CHIP 33PF 50V NPO
C644	065T0603331 32	CHIP 330PF 50V X7R
C660	065T0603331 32	CHIP 330PF 50V X7R
C417	065T0603392 32	CHIP 3900PF 50V X7R
C416	065T0603393 32	CHIP 0.039UF 50V X7R
C202	065T0603470 31	CHIP 47PF 50V NPO
C649	065T0603472 32 GP	CHIP 4700PF 50V X7R
C421	065T0603474 12	CHIP 0.47UF 16V X7R
C246	065T0603561 31	CHIP 560PF 50V NPO
C650	065T0603681 21	CHIP 680PF 25V NPO
C220	065T0603820 31	0603 82PF +-5%, 50V NPO
C238	065T1206106 15	MLCC 1206 CAP 10UF K 16V X5R
C4C8	065T1206106 15	MLCC 1206 CAP 10UF K 16V X5R
C424	065T120610612K 3	CHIP 10UF 16V X7R 10%
C479	065T120610612K 3	CHIP 10UF 16V X7R 10%
C480	065T120610612K 3	CHIP 10UF 16V X7R 10%
C493	065T120610612K 3	CHIP 10UF 16V X7R 10%
C4A7	065T120610612K 3	CHIP 10UF 16V X7R 10%
C4G5	065T1206226 A5	CHIP 22UF 10V X5R
C4D1	065T1206226 A5	CHIP 22UF 10V X5R
C419	065T1206226 A5	CHIP 22UF 10V X5R
C4G9	065T1206226 A5	CHIP 22UF 10V X5R
C726	065T1206226 A5	CHIP 22UF 10V X5R
C758	065T1206226 A5	CHIP 22UF 10V X5R
C759	065T1206226 A5	CHIP 22UF 10V X5R
C760	065T1206226 A5	CHIP 22UF 10V X5R
C631	065T1206475 22	4.7U/25V X7R
C629	065T1206475 22	4.7U/25V X7R
C628	065T1206475 22	4.7U/25V X7R
C420	065T1206475 22	4.7U/25V X7R
C418	065T1206475 22	4.7U/25V X7R
C231	065T1206475 22	4.7U/25V X7R
C210	065T1206475 22	4.7U/25V X7R
FB601	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB602	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB604	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB605	071T 56G301 EA	CHIP BEAD 300 OHM 0805
FB420	071T 59B121	BEAD 0603 120 OHM
FB418	071T 59B121	BEAD 0603 120 OHM
FB417	071T 59B121	BEAD 0603 120 OHM
FB416	071T 59B121	BEAD 0603 120 OHM
FB415	071T 59B121	BEAD 0603 120 OHM
FB414	071T 59B121	BEAD 0603 120 OHM

FB412	071T 59B121	BEAD 0603 120 OHM
FB411	071T 59B121	BEAD 0603 120 OHM
FB410	071T 59B121	BEAD 0603 120 OHM
FB408	071T 59B121	BEAD 0603 120 OHM
FB405	071T 59B121	BEAD 0603 120 OHM
FB404	071T 59B121	BEAD 0603 120 OHM
FB402	071T 59B121	BEAD 0603 120 OHM
FB220	071T 59B121	BEAD 0603 120 OHM
FB219	071T 59B121	BEAD 0603 120 OHM
FB217	071T 59B121	BEAD 0603 120 OHM
FB216	071T 59B121	BEAD 0603 120 OHM
FB207	071T 59B121	BEAD 0603 120 OHM
FB401	071T 59B121 J	CHIP BEAD 121 OHM
FB403	071T 59B121 J	CHIP BEAD 121 OHM
FB203	071T 59B601 EA	CHIP BEAD 600OHM 0603 TB1608
FB206	071T 59B601 EA	CHIP BEAD 600OHM 0603 TB1608
FB208	071T 59B601 EA	CHIP BEAD 600OHM 0603 TB1608
FB209	071T 59B601 EA	CHIP BEAD 600OHM 0603 TB1608
FB210	071T 59B601 EA	CHIP BEAD 600OHM 0603 TB1608
FB212	071T 59B601 EA	CHIP BEAD 600OHM 0603 TB1608
FB607	071T 59B601 EA	CHIP BEAD 600OHM 0603 TB1608
FB608	071T 59B601 EA	CHIP BEAD 600OHM 0603 TB1608
FB413	071T 59C121 B	CHIP BEAD
FB205	071T 59K300 B	CHIP BEAD FCB1608KF-300T07 BULLWILL
FB213	071T 59K300 B	CHIP BEAD FCB1608KF-300T07 BULLWILL
FB214	071T 59K300 B	CHIP BEAD FCB1608KF-300T07 BULLWILL
FB215	071T 59K300 B	CHIP BEAD FCB1608KF-300T07 BULLWILL
FB221	071T 59K300 B	CHIP BEAD FCB1608KF-300T07 BULLWILL
FB222	071T 59K300 B	CHIP BEAD FCB1608KF-300T07 BULLWILL
FB223	071T 59K300 B	CHIP BEAD FCB1608KF-300T07 BULLWILL
FB224	071T 59K300 B	CHIP BEAD FCB1608KF-300T07 BULLWILL
FB225	071T 59K300 B	CHIP BEAD FCB1608KF-300T07 BULLWILL
FB226	071T 59K300 B	CHIP BEAD FCB1608KF-300T07 BULLWILL
FB705	071T3216330 6Y	CHIP BEAD 1206 33OHM 6A
FB704	071T3216330 6Y	CHIP BEAD 1206 33OHM 6A
FB703	071T3216330 6Y	CHIP BEAD 1206 33OHM 6A
FB701	071T3216330 6Y	CHIP BEAD 1206 33OHM 6A
FB603	071T3216330 6Y	CHIP BEAD 1206 33OHM 6A
L204	073T 57228	CHIP INDUCTOR 0805 0.22UH+-10% JKMT
L202	073T 57228	CHIP INDUCTOR 0805 0.22UH+-10% JKMT
L203	073T 8515810K	CHIP INDUCTOR 0.15UH 10% 0805
L702	073T253S 46 B	SMD CHOKE TP0504-4R7M 4.7UH
L701	073T253S 46 B	SMD CHOKE TP0504-4R7M 4.7UH

CN501	088T 340 21 VN	HDMI HEADER 21P V/A
ZD212	093T 60505	BAT54C PHILIPS
ZD215	093T 64 37 N	V-PORT-0603-100K V05
ZD214	093T 64 37 N	V-PORT-0603-100K V05
ZD213	093T 64 37 N	V-PORT-0603-100K V05
ZD211	093T 64 37 N	V-PORT-0603-100K V05
ZD210	093T 64 37 N	V-PORT-0603-100K V05
ZD209	093T 64 37 N	V-PORT-0603-100K V05
ZD208	093T 64 37 N	V-PORT-0603-100K V05
ZD207	093T 64 37 N	V-PORT-0603-100K V05
ZD205	093T 64 37 N	V-PORT-0603-100K V05
ZD204	093T 64 37 N	V-PORT-0603-100K V05
ZD203	093T 64 37 N	V-PORT-0603-100K V05
ZD202	093T 64 37 N	V-PORT-0603-100K V05
ZD201	093T 64 37 N	V-PORT-0603-100K V05
ZD216	093T 64 37 N	V-PORT-0603-100K V05
ZD605	093T 64 37 N	V-PORT-0603-100K V05
ZD604	093T 64 37 N	V-PORT-0603-100K V05
ZD603	093T 64 37 N	V-PORT-0603-100K V05
ZD602	093T 64 37 N	V-PORT-0603-100K V05
ZD601	093T 64 37 N	V-PORT-0603-100K V05
ZD404	093T 64 37 N	V-PORT-0603-100K V05
ZD403	093T 64 37 N	V-PORT-0603-100K V05
ZD224	093T 64 37 N	V-PORT-0603-100K V05
ZD223	093T 64 37 N	V-PORT-0603-100K V05
ZD220	093T 64 37 N	V-PORT-0603-100K V05
ZD219	093T 64 37 N	V-PORT-0603-100K V05
ZD218	093T 64 37 N	V-PORT-0603-100K V05
ZD217	093T 64 37 N	V-PORT-0603-100K V05
D401	093T 6432P	LL4148 BY PANJIT
D404	093T 6432P	LL4148 BY PANJIT
	715T2763 1	MAIN BOARD PCB
R518	061T0603752	RST CHIPR 7.5 KOHM +-5% 1/10W
R519	061T0603752	RST CHIPR 7.5 KOHM +-5% 1/10W
R520	061T0603472	CHIP 4.7KOHM 1/16W
R521	061T0603390 0F	RST CHIPR 390 OHM +-1% 1/10W
R522	061T0603103	RST CHIPR 10KOHM +-5% 1/10W
CN901	006T 31500	EYELET(2.0) FOR ITEM CN901(AC SOCKET)
IC902	056T 158 12	KIA431A-AT/P
R828	061G212Y625 KT	MGFR 6.2MOHM +-5% 1/2W
R908	061T152M10452T	RST MOFR 100KOHM +-5% 2WS
R940	061T152M15152T	RST MOFR 150 OHM +-5% 2WS
R914	061T152M36852T	RST MOF 0R36 5% 2W

**22"LCD TV****Vizio VW22LHDTV10T**

C906	065G 2K222 2T6921	CAP CER 2200PF K 2KV Y5P
C908	067G215Y2207KT	CAP 105°C 22UF M 50V KINGNICH
C930	067T 2046812KT	CS CAP 680UF 10V 8*11 MM
F901	084G 56 4 B	FUSE 4A 250V
D901	093G 6026T52T	RECTIFIER DIODE FR107
D902	093G 6038P52T	PS102R
FB901	095T 90 23	JUMP WIRE
J817	095T 90 23	JUMP WIRE
J905	095T 90 23	JUMP WIRE
	715T2783 1 2	POWER BOARD PCB