



**Applicable Country & Regions: Europe/China**

**Service Manual for BenQ:**

**LCD M2400HD**

**(D-SUB+DVI-D+HD MI1.3+USB2.0**

**+ Webcam + White Bezel)**



## **Product Service Manual – Level 1~2**

**Version: 1st**  
**Date:05-08-2008**

**Notice:**

For RO to input specific “Legal Requirement” in specific NS regarding to responsibility and liability statements.

Please check BenQ’s eSupport web site, <http://esupport.benq.com>, to ensure that you have the most recent version of this manual.

**First Edition (August, 2008)**

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**Abbreviations & Acronyms**

A	
ADC	Analogue to Digital Converter
AFC	Automatic Frequency Control: control signal used to tune to the correct frequency
B	
BenQ	BenQ Corporation
BTSC	Broadcast Television System Committee
C	
CPU	Central Process Unit
CVBS	Composite Video Blanking and Synchronisation
D	
DLP	Digital Light Processing / Texas Instruments®
DMD	Digital Micromirror Device
DRAM	Dynamic RAM
DVI	Digital Video Interface
DVI-I	Digital Video Interface-Integrated
E	
EEPROM	Electrically Erasable and Programmable Read Only Memory
F	
FLASH	FLASH memory
G	
G-TXT	Green Teletext
H	
HDMI	High Definition Multimedia Interface, digital audio and video interface
HP	Head Phone
I	
I <sup>2</sup> C	Integrated IC bus
L	
LED	Light Emitting Diode
LVDS	Low Voltage Differential Signalling, data transmission system for high
M	
MOSFET	Metal Oxide Semiconductor Field Effect Transistor
N	
NC	Not Connected
NVM	Non Volatile Memory: IC containing TV related data (for example, options)
O	
OSD	On Screen Display

P	
PC	Personal Computer
PCB	Printed Circuit Board (or PWB)
R	
RC	Remote Control transmitter
RGB	Red, Green, and Blue. The primary colour signals for TV. By mixing levels of R, G, and B, all colours (Y/C) are
ROM	Read Only Memory
S	
SDA	Data signal on I <sup>2</sup> C bus
SDRAM	Synchronous DRAM
SW	Sub Woofer / Software
T	
THD	Total Harmonic Distortion
V	
VGA	Video Graphics Array
Y	
YPbPr	Component video (Y= Luminance, Pb/ Pr= Colour difference signals B-Y and R-Y, other amplitudes w.r.t. to YUV)
Y/C	Video related signals: Y consists of luminance signal, blanking level and sync; C consists of colour signal.

## 1. About This Manual

The purpose of Service Manual is to provide a guide line to engineers to repair different models. The appearance and capability is introduced in this Service Manual. It is better for repair engineer to have a rough idea of this model through reading the Service Manual. Please do pay attention to the item part of the disassembly when repair the machine and also do the protection of panel any time. When repairing the circuit board, please follow the requirement of RoHS and refer to the circuit diagram and repairing process that attached in the Service Manual. The method of firmware updated, the way of using the menu and some information that may be used when repairing are also attached in the Service Manual that provide repair engineer various choice.

### 1.1 Important

Only trained service personnel who are familiar with this BenQ Product shall perform service or maintenance to it. Before performing any maintenance or service, the engineer MUST read the "Important Safety Information".

### 1.2 Trademark



## 2. Introduction

This section contains general service information, please read through carefully. It should be stored for easy access place.

### 2.1 RoHS (2002/95/EC) Requirements – Applied to all countries require RoHS.

The RoHS (Restriction of Hazardous Substance in Electrical and Electronic Equipment Directive) is a legal requirement by EU (European Union) for the global electronics industry which sold in EU and some counties also require this requirement. Any electrical and electronics products launched in the market after June 2006 should meet this RoHS requirements. Products launched in the market before June 2006 are not required to compliant with RoHS parts. If the original parts are not RoHS complaints, the replacement parts can be non ROHS complaints, but if the original parts are RoHS compliant, the replacement parts MUST be RoHS

complaints.

If the product service or maintenance require replacing any parts, please confirming the RoHS requirement before replace them.

## 2.2 Safety Notice

1. Make sure your working environment is dry and clean, and meets all government safety requirements.
2. Ensure that other persons are safe while you are servicing the product.
3. DO NOT perform any action that may cause a hazard to the customer or make the product unsafe.
4. Use proper safety devices to ensure your personal safety.
5. Always use approved tools and test equipment for servicing.
6. Never assume the product's power is disconnected from the mains power supply. Check that it is disconnected before opening the product's cabinet.
7. Modules containing electrical components are sensitive to electrostatic discharge (ESD). Follow ESD safety procedures while handling these parts.
8. Some products contain more than one battery. Do not disassemble any battery, or expose it to high temperatures such as throwing into fire, or it may explode.
9. Refer to government requirements for battery recycling or disposal.

## 2.3 Compliance Statement

1. Caution: This Optical Storage Product contains a Laser device. Refer to the product specifications and your local Laser Safety Compliance Requirements.

## 3. General Description

This new LCD (Liquid Crystal Display) monitor BenQ M2400HD offers numerous features and functions, for example:

- TFT display (Thin Film Transistor; active matrix)
- minimal space requirements thanks to slim casing
- optimum ergonomic characteristics (totally distortion-free, excellent picture definition and colour purity right into the corners)
- high degree of brightness and good contrast

- high resolution (1920x1080)
- presentation of up to 16.7 million colours (in conjunction with an appropriate graphics card)
- automatic scanning of horizontal frequencies from 30 to 83 kHz and refresh rates (vertical frequencies) from 50 to 76 Hz (absolutely flicker-free)
- digital screen controller with microprocessor for storing 21 different display modes
- freely adjustable colour alignment for matching the screen colours to the colours of various input and output devices
- convenient operation via integrated OSD (On-Screen-display) menu
- VESA-DDC compatibility
- plug&play capability
- power management for reducing power consumption when the computer is not in use
- compliance with the recommendations in accordance with TCO'03

This operating manual contains important information you require to start up and run your LCD monitor.

This specification defines the requirements for the 24" MICROPROCESSOR based Multi-mode supported high resolution color LCD monitor. This monitor can be directly connected to general 15-pin D-sub VGA connector, 24-pin DVI connector and 19-pin HDMI connector, also supports VESA DPMS power management and plug & play function. There is a build-in stereo audio amplifier with OSD control to drive a pair of speakers.

#### **Additional information**

Due to the nature of liquid crystal display (LCD) technology, the picture resolution is always fixed. For the best display performance, please set the display resolution to 1920x1080 pixels with an aspect ratio of 16:10. This is called "Native Resolution" or maximal resolution – that is, the clearest picture. Lower resolutions are displayed on a full screen through an interpolation circuit. Image blurring across pixel boundaries can occur with the interpolated resolution depending upon the image type and its initial resolution.

#### **4. Related service information**

This Service Manual contains general information. There are 2 levels of service:

Level 1: Cosmetic / Appearance / Alignment Service

Level 2: Circuit Board or Standard Parts Replacement

**Service Web Site**eSupport URL: <http://esupport.benq.com>**5. Product Overview****5.1 Monitor Specifications**

LCD Panel	Driving system	TFT Color LCD
	Size	558.68mm(22")
	Pixel pitch	0.282mm(H) × 0.282mm(V)
	Display Area	531.36x 298.89 mm
	Viewable angle	170, 160 (CR>10)
	Contrast	1000:1
	Dynamic contrast ratio	10000: 1 (typical)
	Brightness	300 cd/m <sup>2</sup>
	Response time	5ms(typical) 2 ms (GTG)
Input	Video	RGB analog 0.7 Vpp/75 Ohm positive Digital: DVI-D, HDMI
	Synchronization	TTL separate signal connection 15-pin mini D-sub cable
	H-Frequency	30 - 83 kHz Multi- frequency monitor
	V-Frequency	50 - 76 Hz modes within these parameters
Display Colors		16.7M Colors
Image diagnostics		Digital, OSD Technology, AUTO key (automatic image setting)
Controls		5 buttons and AUTO key
Max. Resolution		1920 x 1080
Power management		VESA DPMS, EPA
EPA ENERGY STAR®	Max. power consumption	67W (max)
	saving mode	< 2 Watt
Speaker(power consumption)		1 Watt x 2
Operating voltage		Automatic switched mode power supply, 100-240 V, 50-60 HZ
Environmental Considerations		Operating Temp: 0° to 35°C Operating Humidity: 10% to 85%
Dimension (H x W x D)		365.5mm x 582.6mm x 197.4mm
Weight (N. W.)		7 KG

## 5.2 Packing

When packing the monitor into the carton, please follow the pictures as below.



Using the EPE bag to pack the monitor without base.



Putting the base into the PE bag



Using the EPS to pack the monitor



Putting the base and user manual in the position as the picture shows above.



Putting the monitor and accessories into the carton.

<http://www.wjel.net>

**Level 1 Cosmetic / Appearance / Alignment Service****Visual Inspection & Cleaning**

- Cleaning. Always unplug your monitor from the wall outlet before cleaning. Clean the LCD monitor surface with a lint-free, non-abrasive cloth. Avoid using any liquid, aerosol or glass cleaners.
- Slots and openings on the back or top of the cabinet are for ventilation. They must not be blocked or covered. Your monitor should never be placed near or over a radiator or heat source, or in a built-in installation unless proper ventilation is provided.
- Never push objects or spill liquid of any kind into this product.

**Software/Firmware Upgrade Process****1. When do the part, need the tools as follow:**

- An i486 (or above) personal computer or compatible.
- Microsoft operation system Windows 95/98/2000/XP.
- "PORT95NT.exe" program
- Software ISP SN Alignment kits

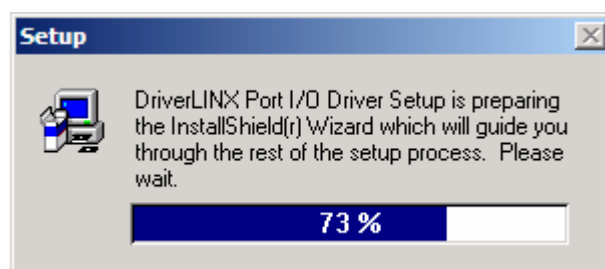
The kit contents:

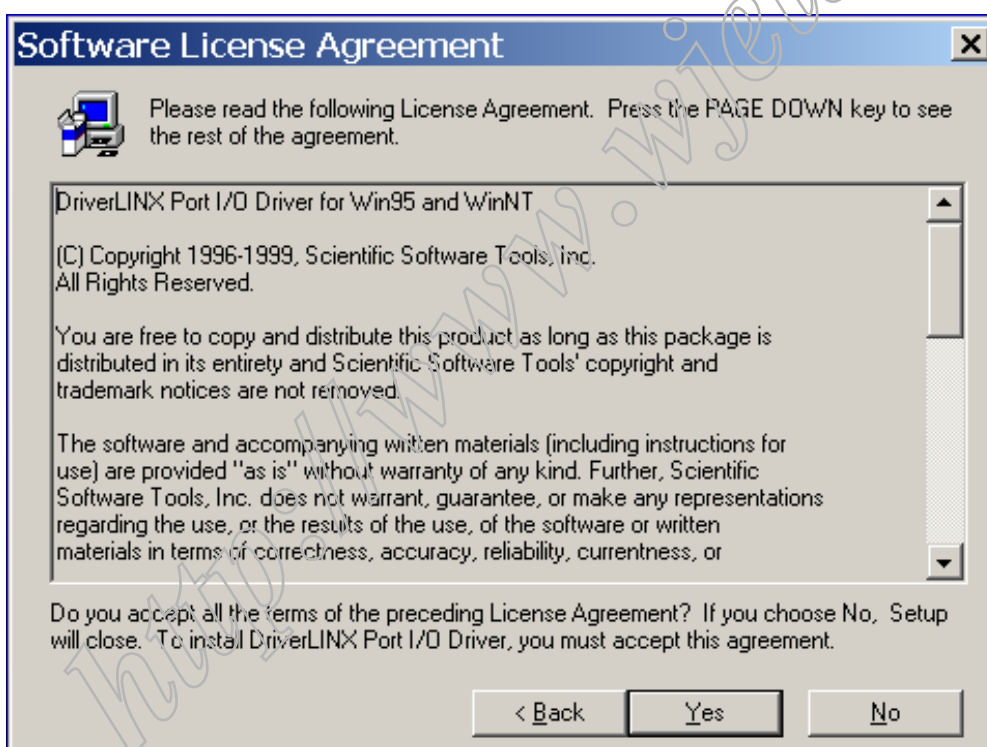
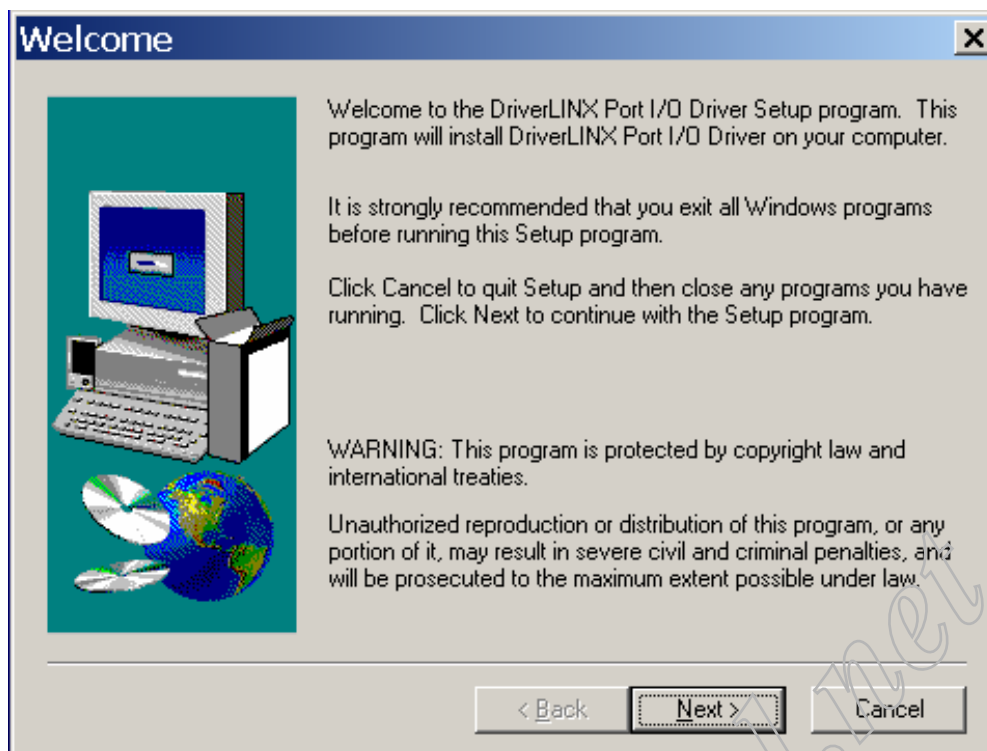
- ISP BOARD x1
- Printer cable x1
- VGA cable x1

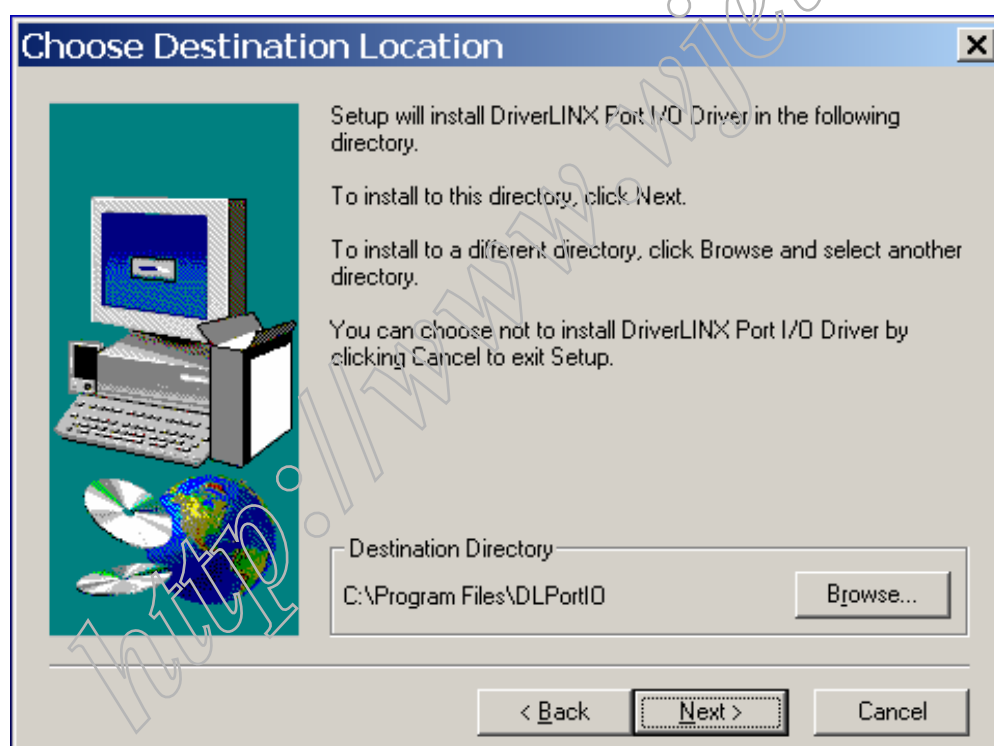
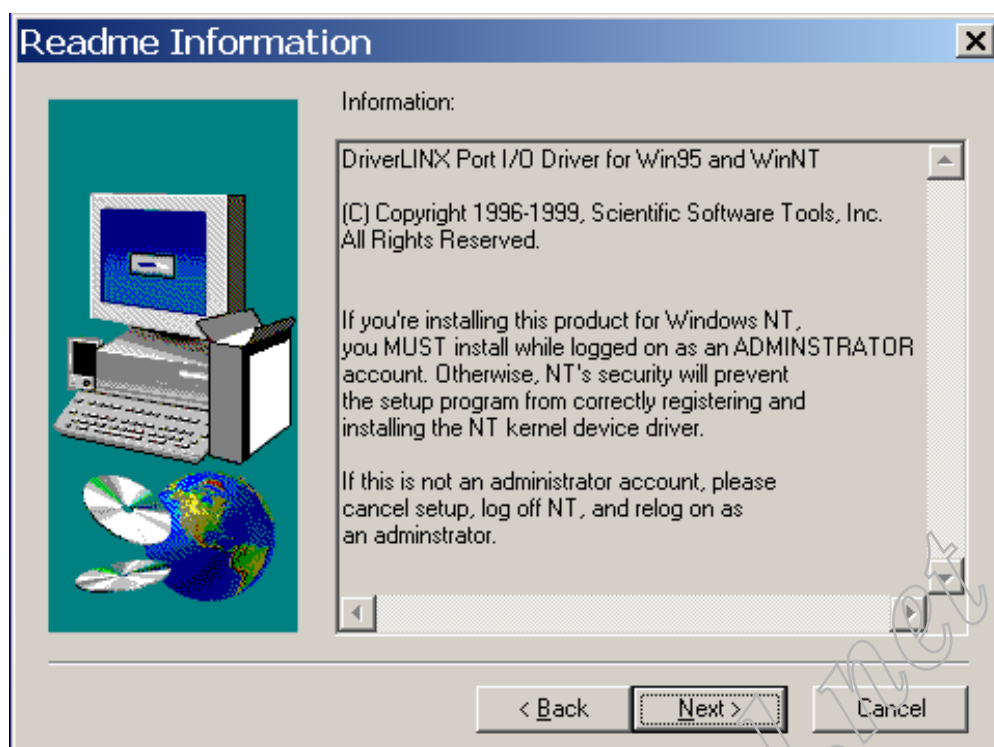
**2. Install the "PORT95NT.EXE", and restart the computer.**

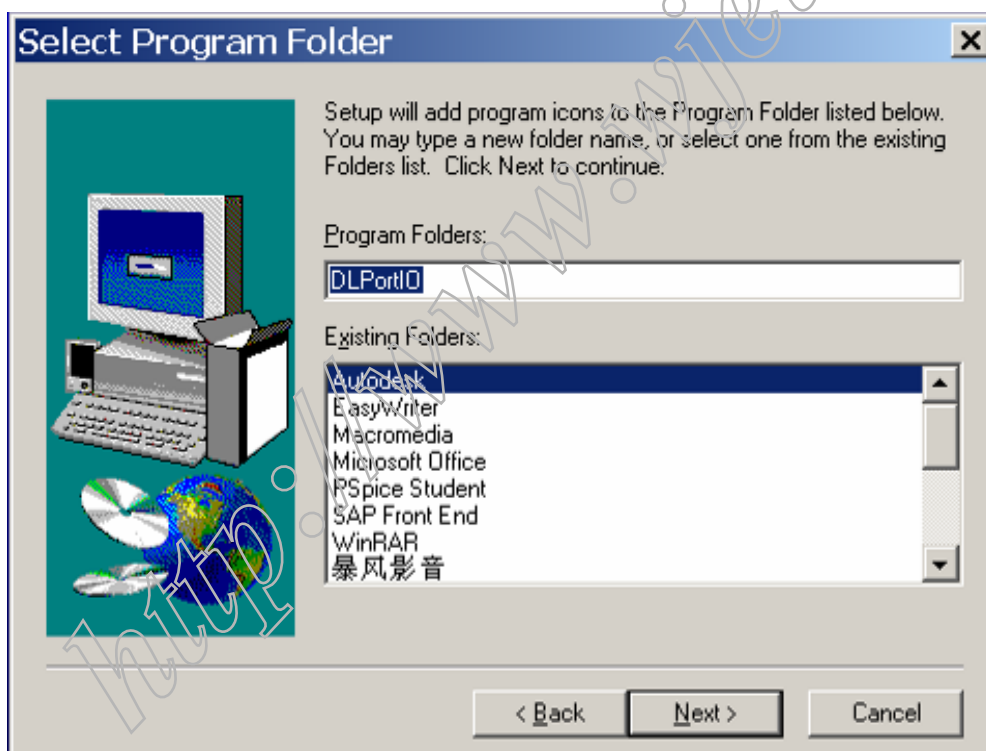
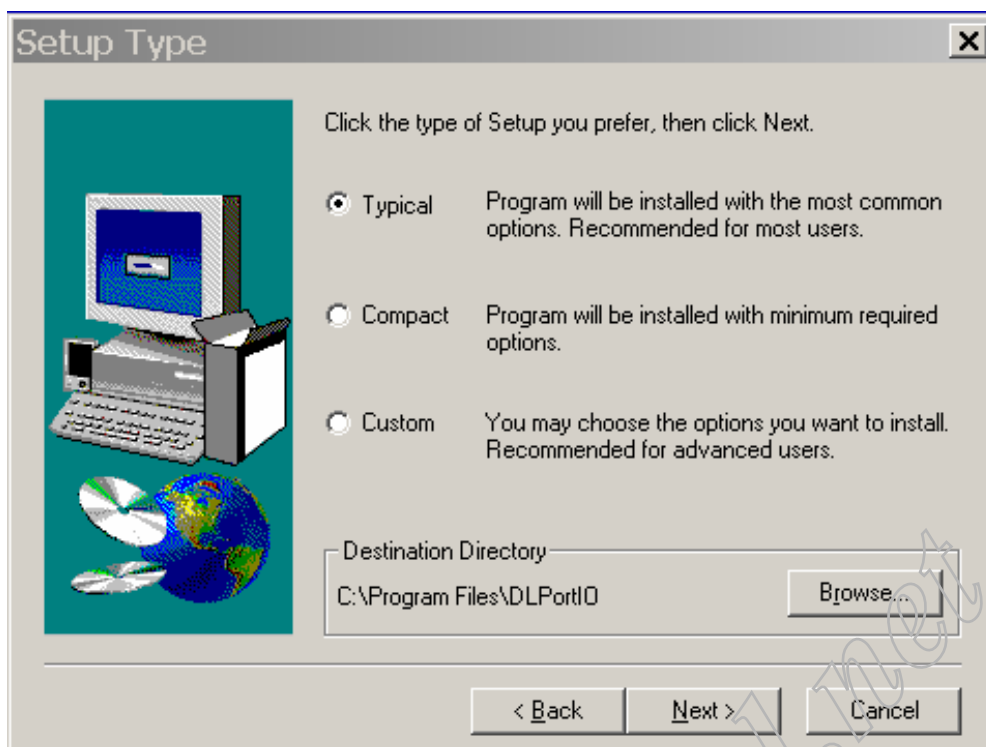
You must install the

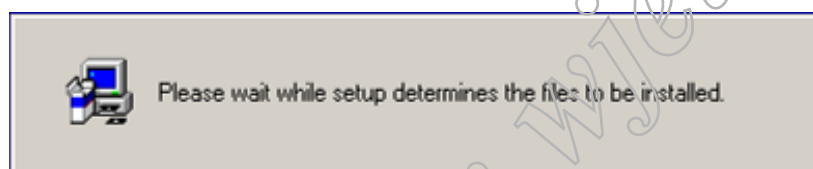
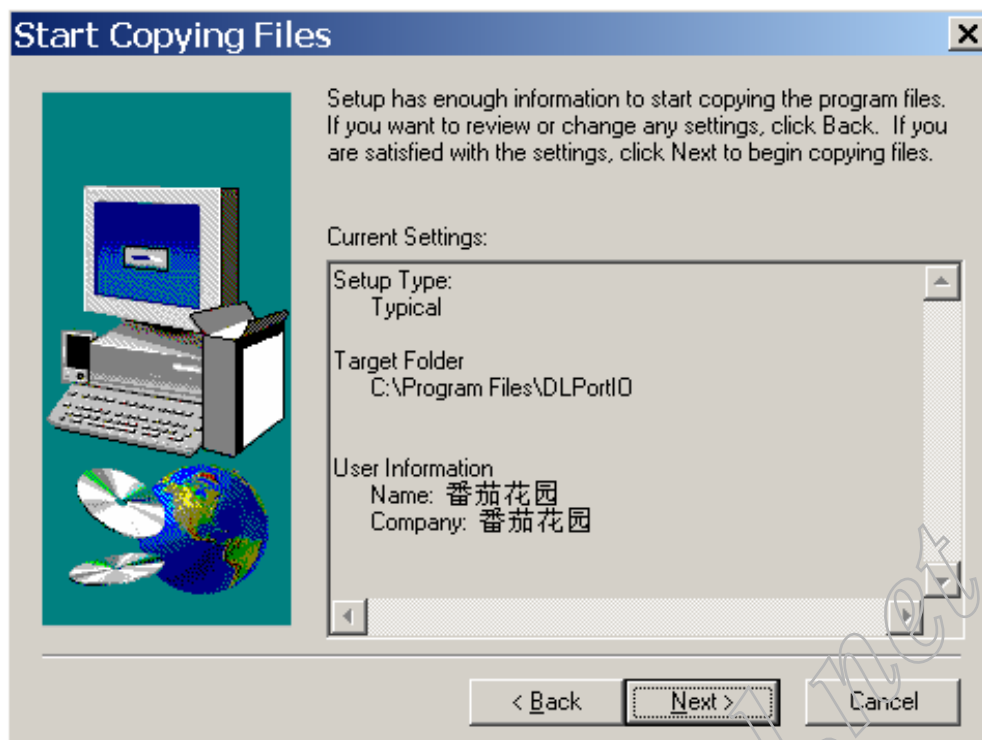
at the first. The processing as follows:




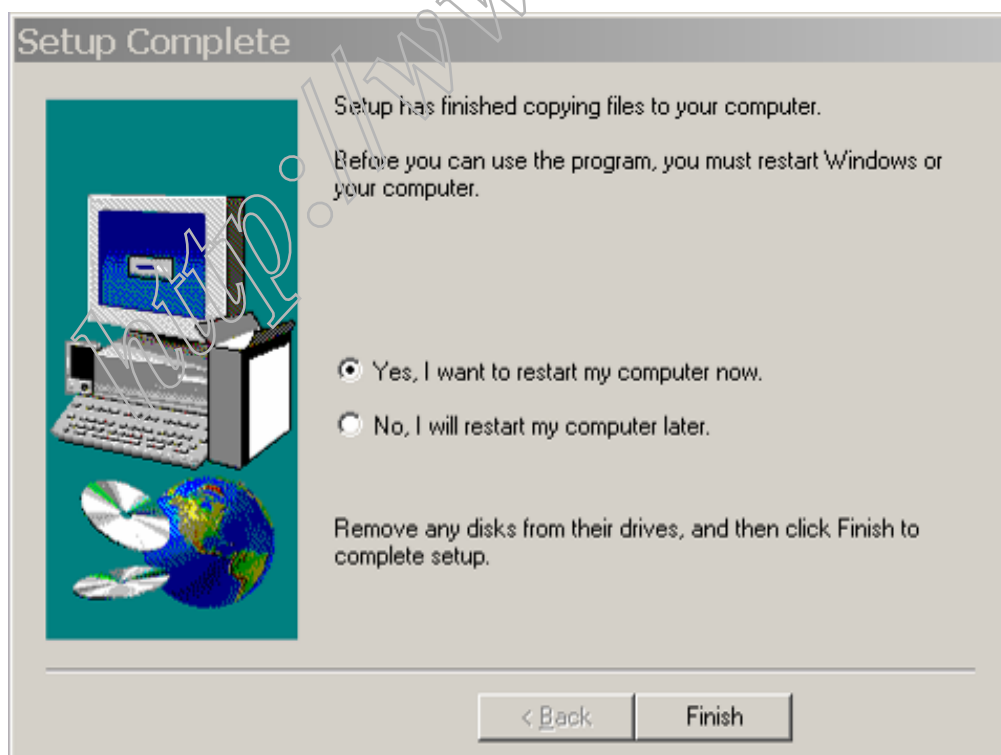




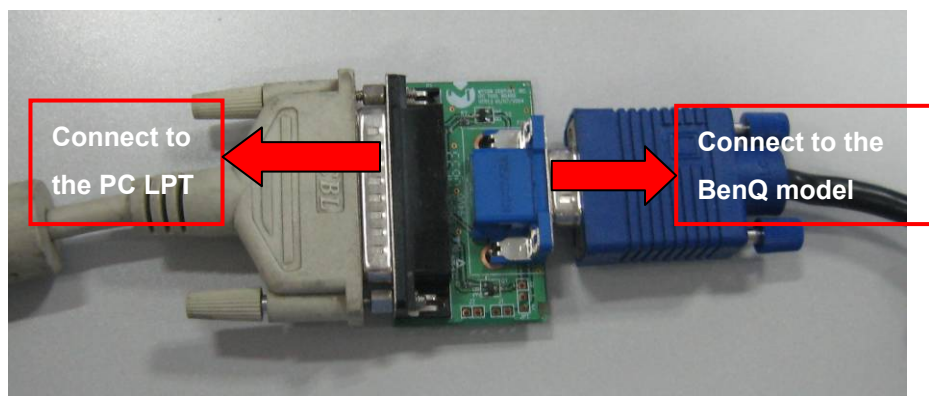
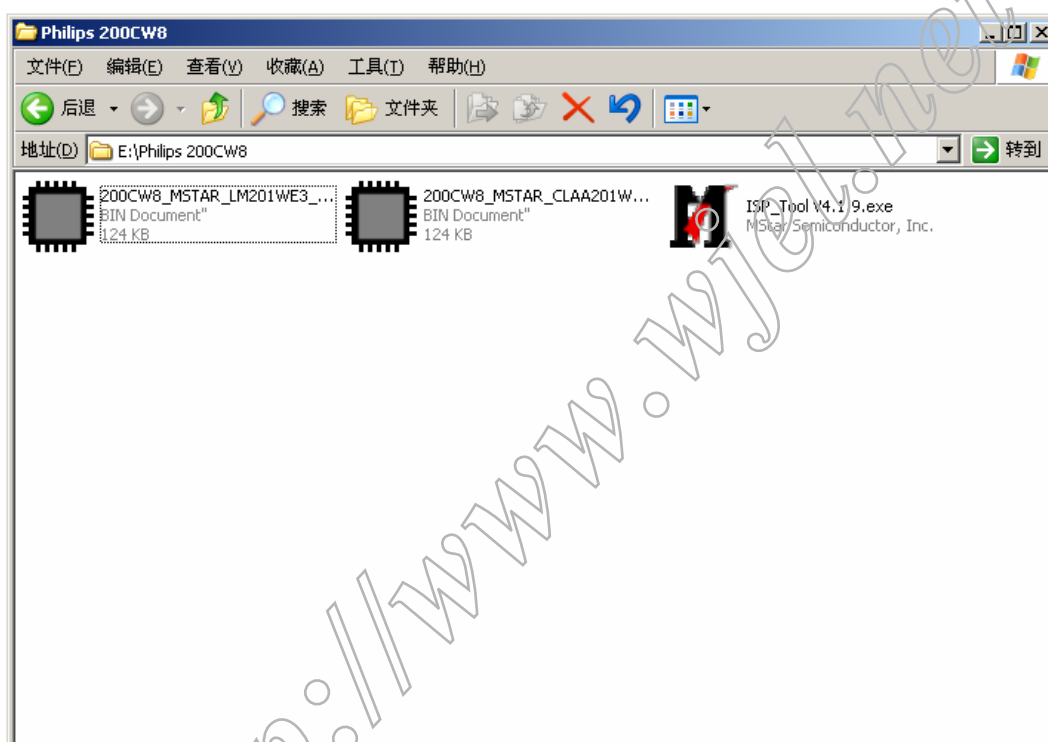





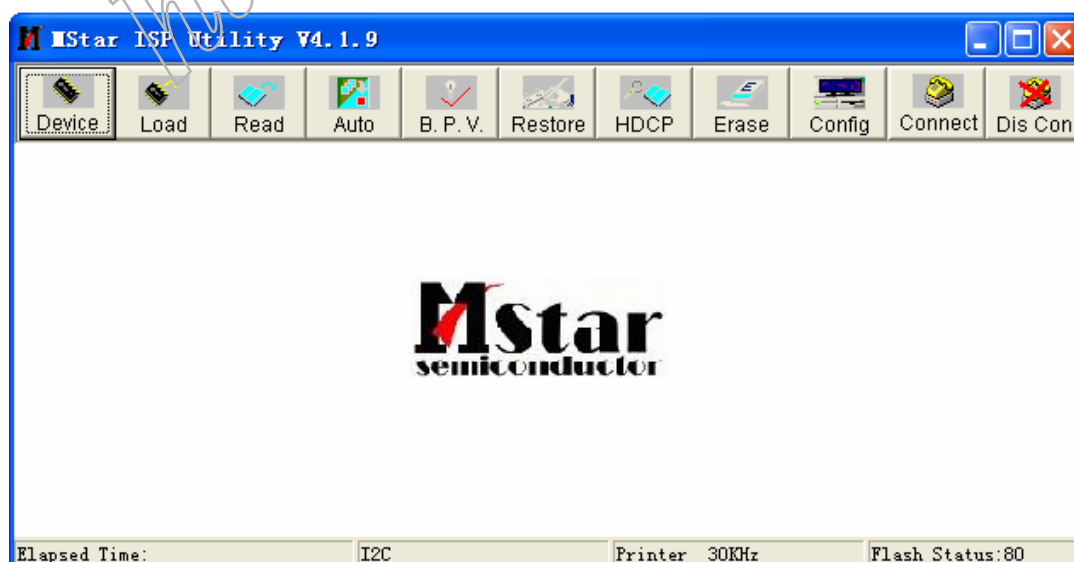
Click  to complete the installation.



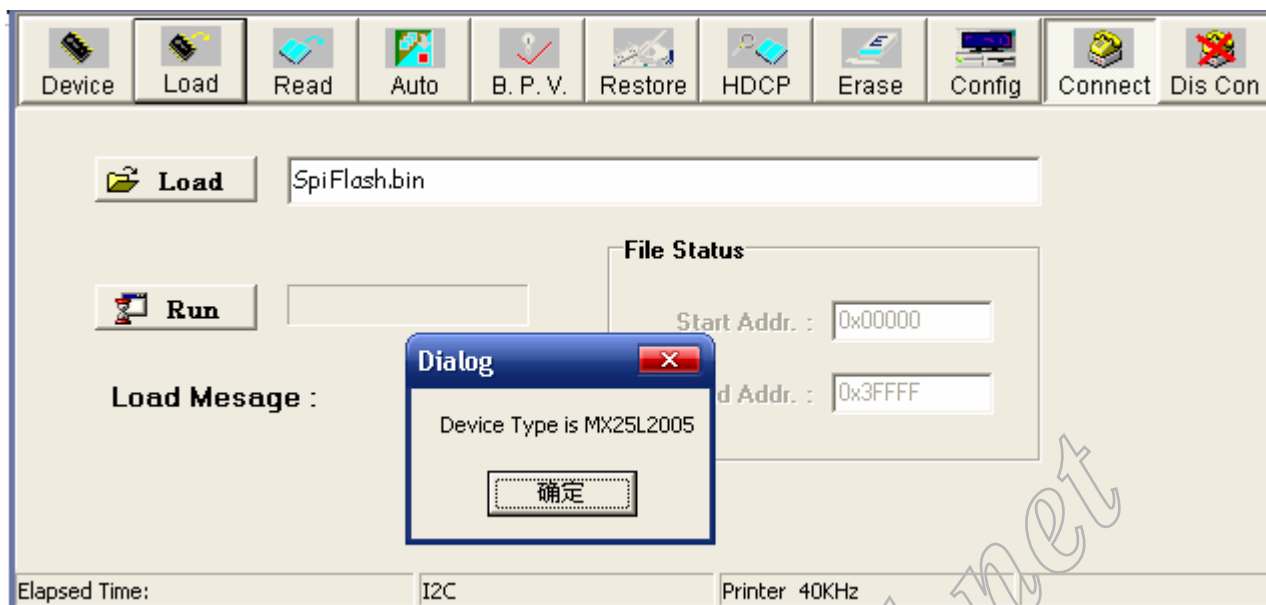
**Note:** After installation, you must restart the PC to take the setup to effect.

**3. Connect the ISP board as follow:****4. The process of ISP write is as follows.**

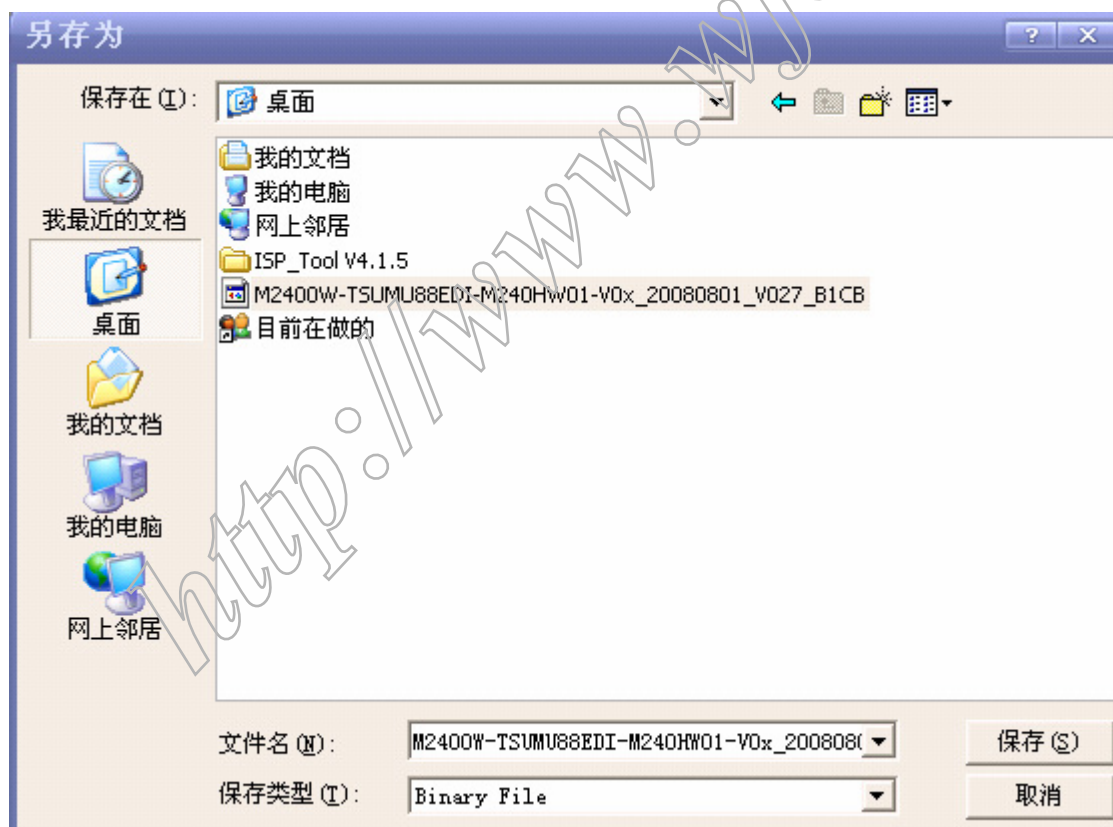
a. Double-click  running the program as follows:

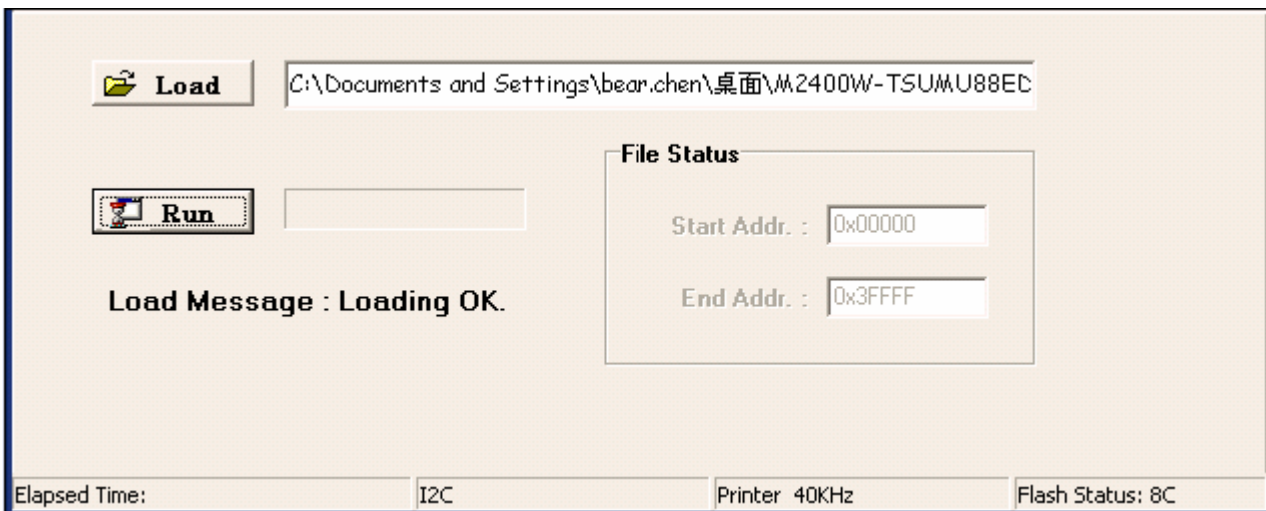



- b. Click  icon, running the program as follows:

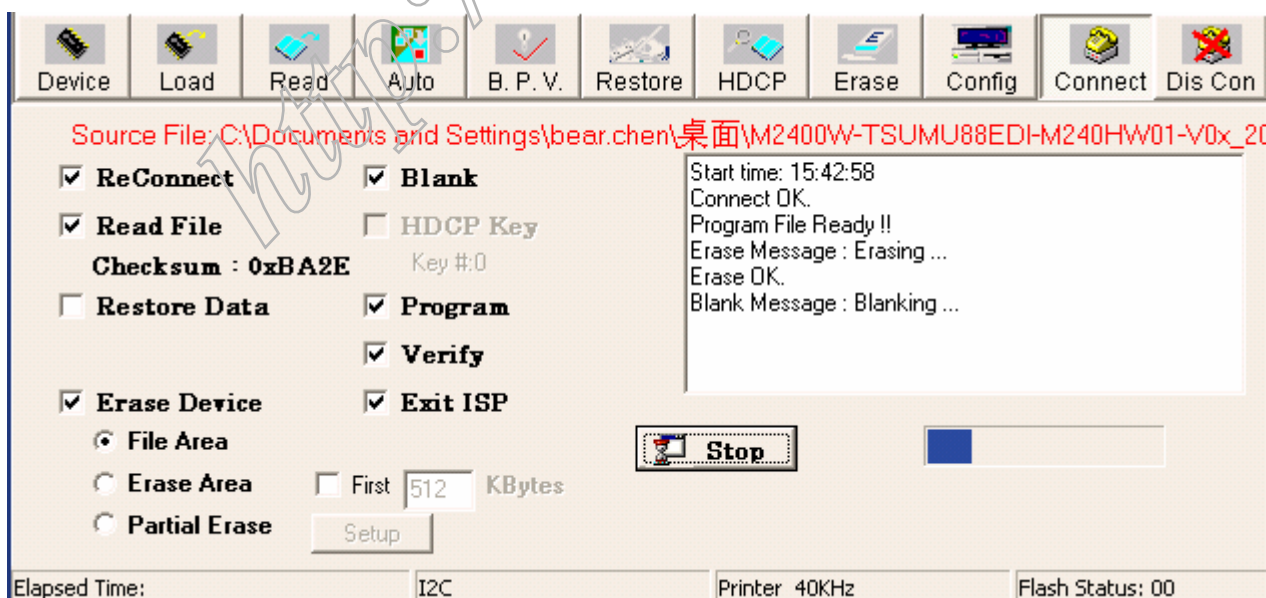
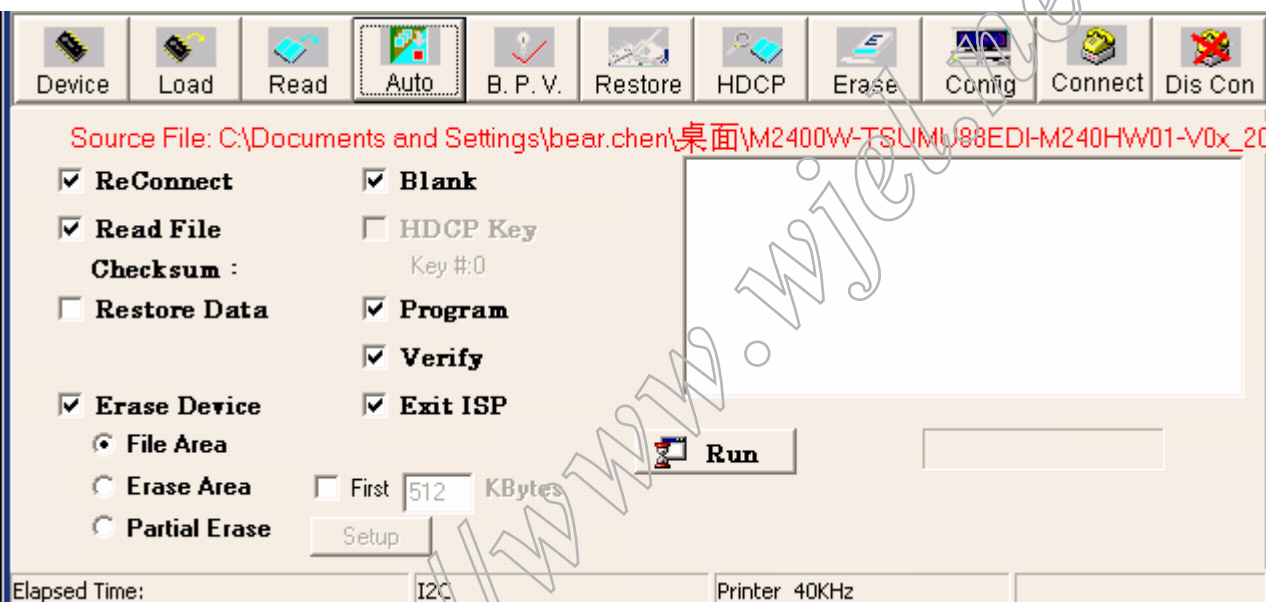


- c. Click  icon, load the program "M2400W-TSUMU88EDI-M240HW01-V0x\_20080801\_V027\_B1CB.BIN"





d. Click  icon, it will auto run. If burn in success, it will show as the follow picture:



**Adjustment / Alignment Procedure****Adjusting the Picture**

You can use the OSD (On Screen Display) menu to adjust all the settings on your monitor.

Press the MENU key to display the following main OSD menu.



There are four main OSD menus:

1. Display
2. Picture
3. Picture Advanced
4. Audio
5. System

Use the ▲ or ▼ keys to highlight a menu item, and press the ENTER key to enter the Menu item settings.

## Display menu



1. Press the MENU key to display the main menu.
2. Press the ▲ or ▼ keys to select DISPLAY and then press the ENTER key to enter the menu.
3. Press the ▲ or ▼ keys to move the highlight to a menu item and then press the ENTER key to select that item.
4. Press the ▲ or ▼ keys to make adjustments or selections.
5. To return to the previous menu, press the MENU button.

Item	Function	Operation	Range
Auto Adjustment	Optimizes and adjusts the screen settings automatically for you. The AUTO key is a 'hot-key' for this function.	Press the ENTER key to select this option and make adjustment.	
H. Position	Adjusts the horizontal position of the screen image.	Press the ▲ or ▼ keys to adjust the value.	0 to 100
V. Position	Adjusts the vertical position of the screen image.		0 to 100
Pixel Clock	Adjusts the pixel clock frequency timing to synchronize with the analog input video signal. Not applicable to a digital input signal.		0 to 100
Phase	Adjusts the pixel clock phase timing to synchronize with the analog input video signal. Not applicable to a digital input signal.		0 to 63

## Picture menu



1. Press the MENU key to display the main menu.
2. Press the ▲ or ▼ keys to select PICTURE and then press the ENTER key to enter the menu.
3. Press the ▲ or ▼ keys to move the highlight to a menu item and then press the ENTER key to select that item.
4. Press the ▲ or ▼ keys to make adjustments or selections.
5. To return to the previous menu, press the MENU button.

Item	Function	Operation	Range
Brightness	Adjusts the balance between light and dark shades. The function is not available for use when Dynamic Contrast is on	Press the ▲ key to increase the brightness and press the ▼ key to decrease the brightness.	0 to 100
Contrast	Adjusts the degree of difference between darkness and lightness. The function is not available for use when Dynamic Contrast is on.	Press the ▲ key to increase the contrast and press the ▼ key to decrease the contrast.	0 to 100
Sharpness	Adjusts the clarity and visibility of the edges of the subjects in the image.	Press the ▲ key to improve the crispness of the display and press the ▼ key to have softness effect on the display.	1 to 5
Color - Press ENTER to enter the Color menu.			
Normal	Allows video and still photographs	▲ ▼	0 to 100

	to be viewed with natural coloring. This is the factory default color.		
Bluish	Applies a cool tint to the image and is factory pre-set to the PC industry standard white color.		0 to 63
Reddish	Applies a warm tint to the image and is factory pre-set to the news print standard white color.		
User Mode	Tailors the image color tint. The blend of the Red, Green and Blue primary colors can be altered to change the color tint of the image. The default start setting is 50. Decreasing one or more of the colors will reduce their respective influence on the color tint of the image. e.g. if you reduce the Blue level the image will gradually take on a yellowish tint. If you reduce Green, the image will become a magenta tint.	Press the ▲ or ▼ keys and the ENTER key to select Red, Green, or Blue. Then use Press the ▲ or ▼ keys to make the color adjustments.	<ul style="list-style-type: none"> <li>• Red (0 to 100)</li> <li>• Green (0 to 100)</li> <li>• Blue (0 to 100)</li> </ul>
Reset Color	Resets the User Mode custom color settings to the factory defaults.	Press the ▲ or ▼ keys to change the settings.	<ul style="list-style-type: none"> <li>• YES</li> <li>• NO</li> </ul>
Press MENU to leave the Color menu.			
Dynamic Contrast	The function will increase the level of contrast to provide sharper and more detailed image quality. Activating Dynamic Contrast will disable Brightness and Contrast controls.	Press the ENTER key to select this option. Press the ▲ or ▼ keys to change the settings.	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> </ul>

## Picture Advanced menu



1. Press the MENU key to display the main menu.
2. Press the ▲ or ▼ keys to select PICTURE ADVANCED and then press the ENTER key to enter the menu.
3. Press the ▲ or ▼ keys to move the highlight to a menu item and then press the ENTER key to select that item.
4. Press the ▲ or ▼ keys to make adjustments or selections.
5. To return to the previous menu, press the MENU button.

Item	Function	Operation	Range
Picture Mode	<p>Selects a picture mode that best suits the type of images shown on the screen.</p> <ul style="list-style-type: none"> <li>• Standard - for basic PC application.</li> <li>• Movie - for viewing videos.</li> <li>• Dynamics - for viewing landscape-specific videos and playing games.</li> <li>• Photo - for viewing still images.</li> <li>• sRGB - for better color matching representation with the peripheral devices, such as printers, DSCs, etc.</li> </ul>	<p>Press the ▲ or ▼ keys to change the settings.</p>	<ul style="list-style-type: none"> <li>• Standard</li> <li>• Movie</li> <li>• Dynamics</li> <li>• Photo</li> <li>• sRGB</li> </ul>
Display Mode	<p>This feature is provided to allow aspect ratio's other than 16:10 to be displayed without geometric distortion.</p> <ul style="list-style-type: none"> <li>• Full - Scales the input image to fill the screen. Ideal for 16:10 aspect images.</li> <li>• Aspect - Ideal for 4:3 aspect images.</li> </ul>	<p>Press the ▲ or ▼ keys to change the settings.</p>	<ul style="list-style-type: none"> <li>• Full</li> <li>• Aspect</li> </ul>
Senseye Demo	<p>Displays the preview of screen images under the selected mode from Picture Mode. The screen will be divided into two windows; the left window demonstrates images of Standard mode, while the right window presents the images under the specified mode.</p>	<p>Press the ▲ or ▼ keys to change the settings.</p>	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> </ul>

## Audio menu



1. Press the MENU key to display the main menu.
2. Press the ▲ or ▼ keys to select PICTURE and then press the ENTER key to enter the menu.
3. Press the ▲ or ▼ keys to move the highlight to a menu item and then press the ENTER key to select that item.
4. Press the ▲ or ▼ keys to make adjustments ▲ or ▼ selections.
5. To return to the previous menu, press the MENU button.

Item	Function	Operation	Range
Volume	Adjusts the audio volume	Press the ▲ or ▼ keys to change the volume.	
Mute	Mutes the audio input	Press the ▲ or ▼ keys to change the settings.	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> </ul>
Audio Select	Allow users to select the audio source or let the monitor detect it automatically	Press the ▲ or ▼ keys to change the settings.	<ul style="list-style-type: none"> <li>• PC Audio</li> <li>• HDMI Audio</li> <li>• Auto Detect</li> </ul>

## System menu



1. Press the MENU key to display the main menu.
2. Press the ▲ or ▼ keys to select SYSTEM and then press the ENTER key to enter the menu.
3. Press the ▲ or ▼ keys to move the highlight to a menu item and then press the ENTER key to select that item.
4. Press the ▲ or ▼ keys to make adjustments or selections.
5. To return to the previous menu, press the MENU button.

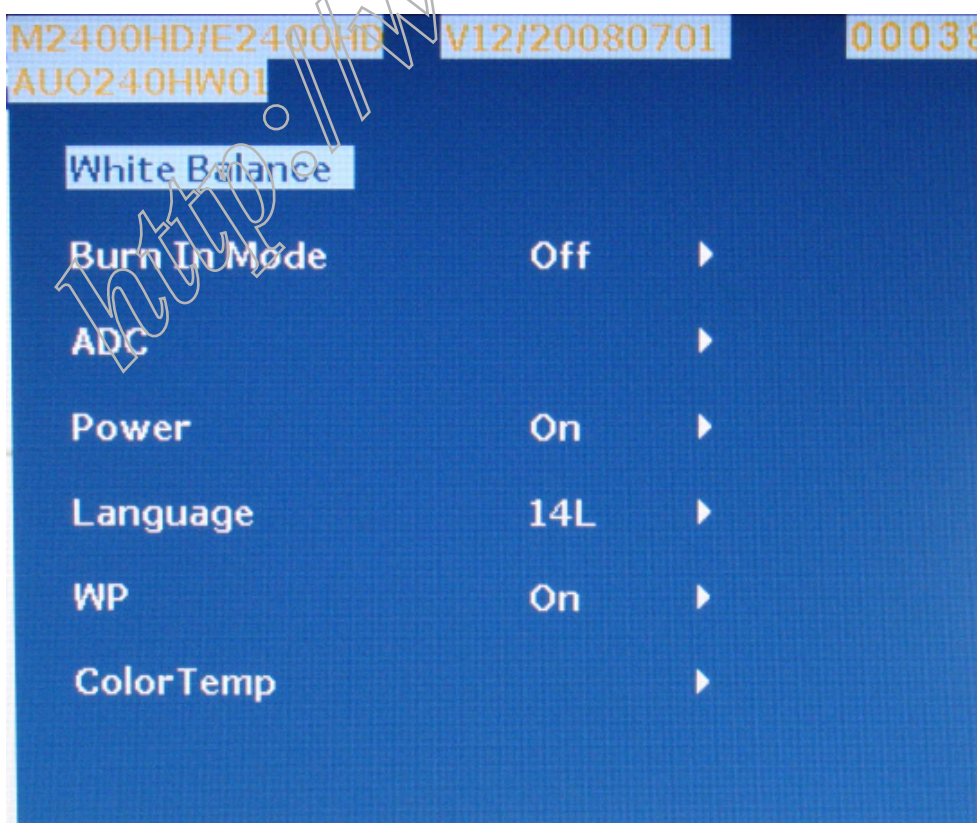
Item	Function	Operation	Range
Input	Selects the D-sub (analog) or DVI (digital) input. Use this to change the input to that appropriate to your video cable connection type. Analog-only models do not have the Input function.	Press the ▲ or ▼ keys to change the settings.	<ul style="list-style-type: none"> <li>• DVI</li> <li>• D-sub</li> <li>• HDMI</li> </ul>
OSD Settings - Press ENTER to enter the OSD Settings menu.			
Language	Sets the OSD menu Language.	Press the ▲ or ▼ keys to adjust the value. The language options displayed on your OSD may differ from those shown on the right, depending on the product supplied in your region.	<ul style="list-style-type: none"> <li>• English</li> <li>• French</li> <li>• German</li> <li>• Italian</li> <li>• Spanish</li> <li>• Polish/</li> <li>Japanese</li> <li>• Czech/</li> <li>Traditional Chinese</li> <li>• Hungarian/</li> <li>Simplified Chinese</li> <li>• Serbo-Croatian</li> </ul>

			<ul style="list-style-type: none"> <li>• Romanian</li> <li>• Dutch</li> <li>• Russian</li> <li>• Swedish</li> <li>• Portuguese</li> </ul>
H. Position	Adjusts the horizontal position of the OSD menu.	Press the ▲ or ▼ keys to change the settings.	0 to 100
V. Position	Adjusts the vertical position of the OSD menu.		0 to 100
Display Time	Adjusts the display the OSD menu.		<ul style="list-style-type: none"> <li>• 5 Sec.</li> <li>• 10 Sec.</li> <li>• 15 Sec.</li> <li>• 20 Sec.</li> <li>• 25 Sec.</li> <li>• 30 Sec.</li> </ul>
OSD Lock	Prevents all the monitor settings from being accidentally changed. When this function is activated, the OSD controls and hotkey operations will be disabled.	Press the ▲ or ▼ keys to change the settings. To unlock the OSD controls when the OSD is preset to be locked, press and hold the 'MENU' key for 15 seconds to enter the 'OSD Lock' option and make changes. Alternatively, you may use the ▲ or ▼ keys to select 'OFF' in the 'OSD Lock' submenu from the 'OSD Settings' menu, and all OSD controls will be accessible.	<ul style="list-style-type: none"> <li>• YES</li> <li>• NO</li> </ul>
Press MENU to leave the OSD Settings menu.			
DDC/CI*	Allows the monitor settings to be set through	Press the ENTER key to select this	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> </ul>

	the software on the PC.	option. Press the the ▲ or ▼ keys to change the settings.	
Information	Displays the current monitor property settings.	Press the ENTER key to select this option.	
HDMI Auto Switch	When this function is activated, HDMI port will be in the input auto select loop. Otherwise, HDMI can only be selected by input select or by hot key.	Press the ENTER key to select this option. Press the the ▲ or ▼ keys to change the settings.	<ul style="list-style-type: none"> <li>• ON</li> <li>• OFF</li> </ul>
Reset All	Resets all mode, color and geometry settings to the factory default values.	Press the ▲ or ▼ keys to change the settings.	<ul style="list-style-type: none"> <li>• YES</li> <li>• NO</li> </ul>

### Factory OSD Menu

Turn off the monitor, keep pressing the "MENU" + "ENTER" buttons, and turn on the monitor, then when we press the AUTO button, the factory OSD will be at the left top of the panel as below.



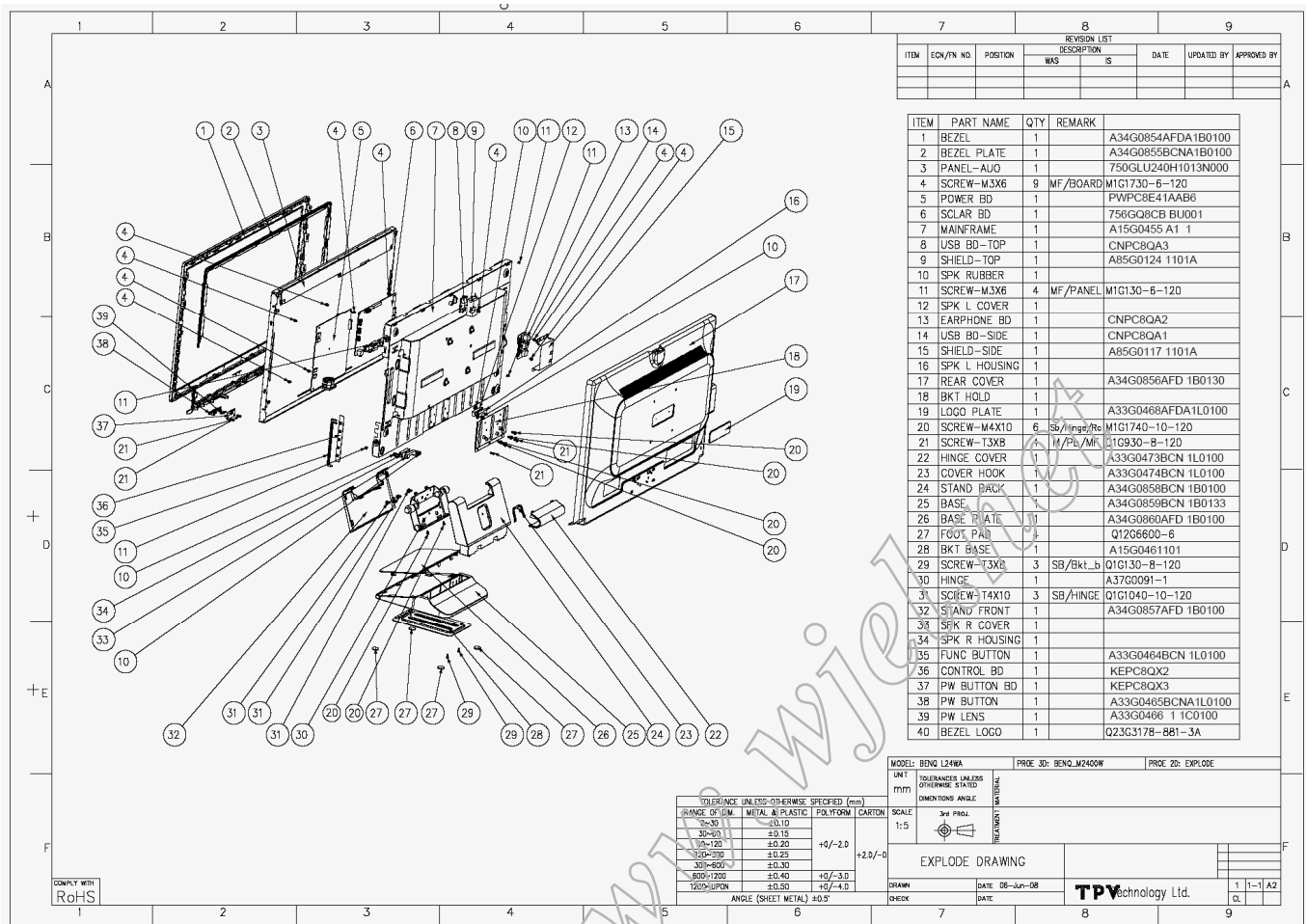
**BenQ Service Page**

1. Trigger method: Press "Menu" key and Power on.
2. Press the Menu key will display the service page
3. Press menu key will close the service page.
4. power off will quit the service mode
5. At the service mode, the key function is same as normal OSD define.
6. The timer can only reset at the service mode by "Timer Reset". And need to have a warning message to double confirm the reset function. The timer should record up to 99999 hours
7. Add one select item for HDCP(DVI port), Mode1, Mode2 at Service menu  
 Mode1: To enable the hot plug pin detection.(HDMI port default)  
 Mode 2: To disable the hot plug pin detection.(DVI port default)
8. add BenQ logo on/off item, the default is "on"
9. add the auto power on item, the default is "off "
10. Add the timer reset warning message, when select the timer reset item, then the warning message will display and need to confirm it again and the default is "No".
11. Panel type define need to have the panel version
12. F/W version need to define the dual or analog model.

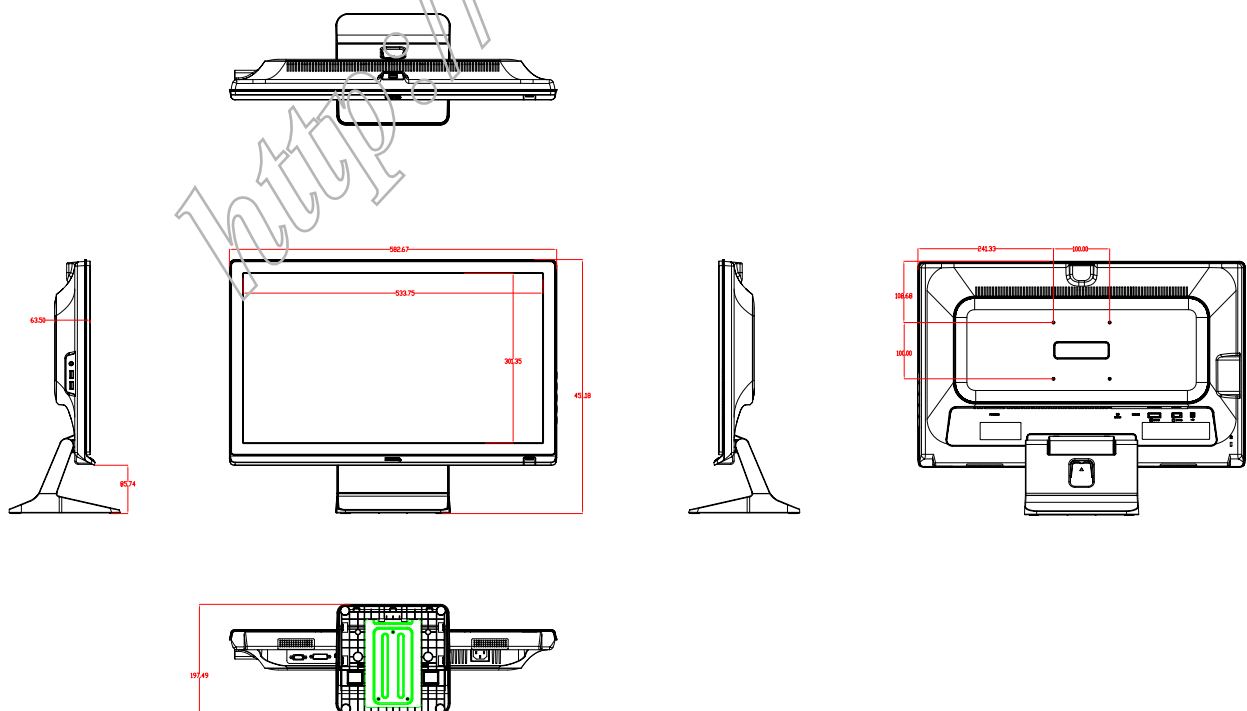


## Level 2 Circuit Board and Standard Parts Replacement

## Product Exploded View

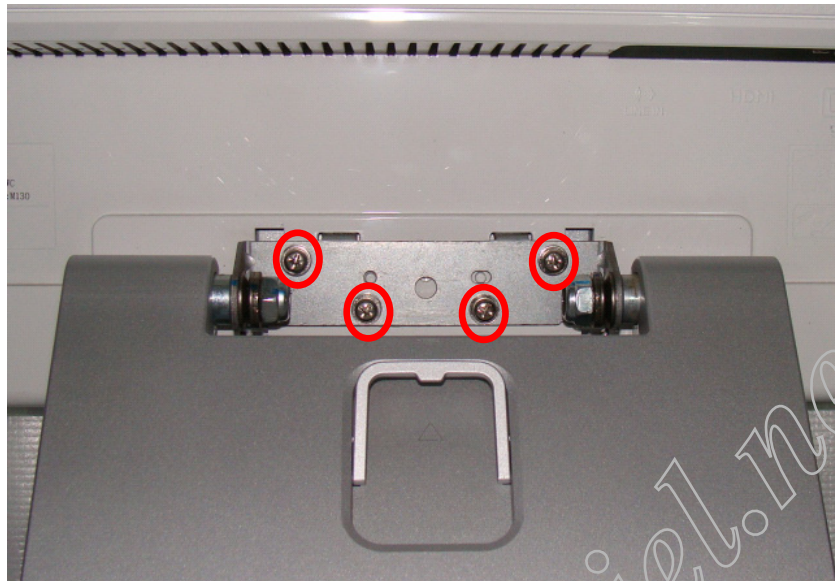


## Six angles' view



**Product Disassembly****1). Remove the stand-base ASS'Y**

Place the monitor face down on a smooth surface. Be careful to avoid scratch and injury during the uninstall. And then remove the four screws as below to remove the stand-base ASS'Y.

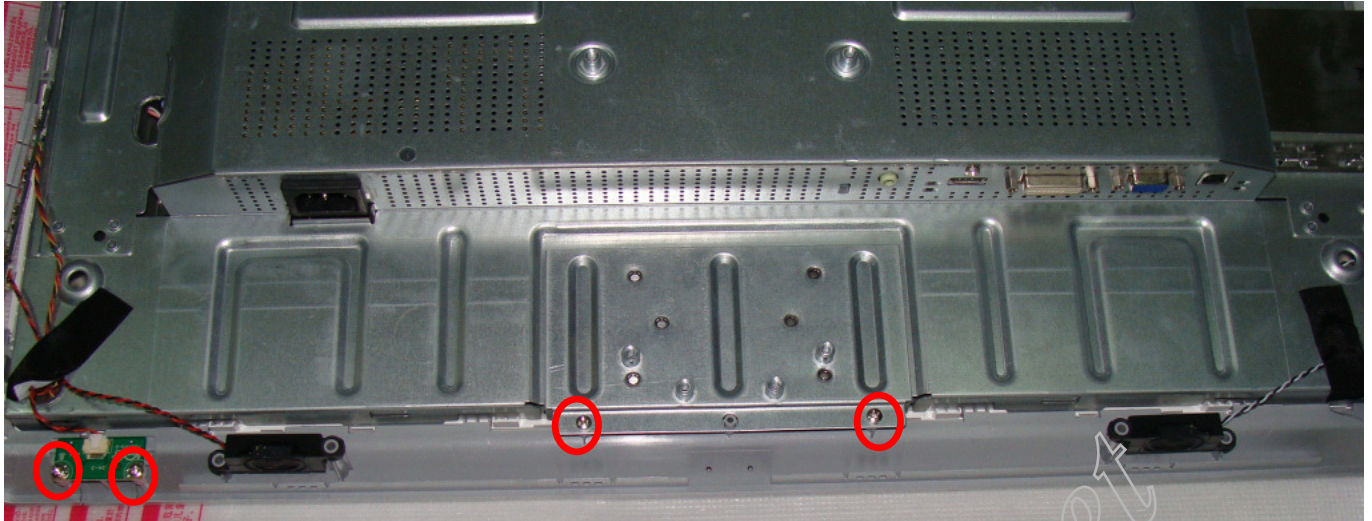
**Fig1****2). Remove the rear cover**

Remove the rear cover as Fig2. The arrows in blue are the hook that we should put attention to when remove the rear cover. Use plastic putty knife to release hooks, then you can easily remove the rear cover.

**Fig2**

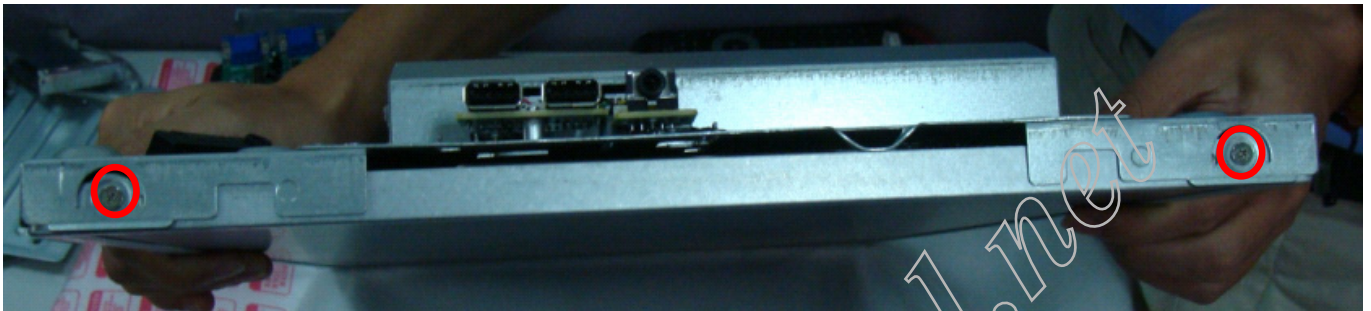
**3).Remove the Bezel**

Release the four screws marked in red as below to remove the bezel. Remove the USB shield.

**Fig.3**

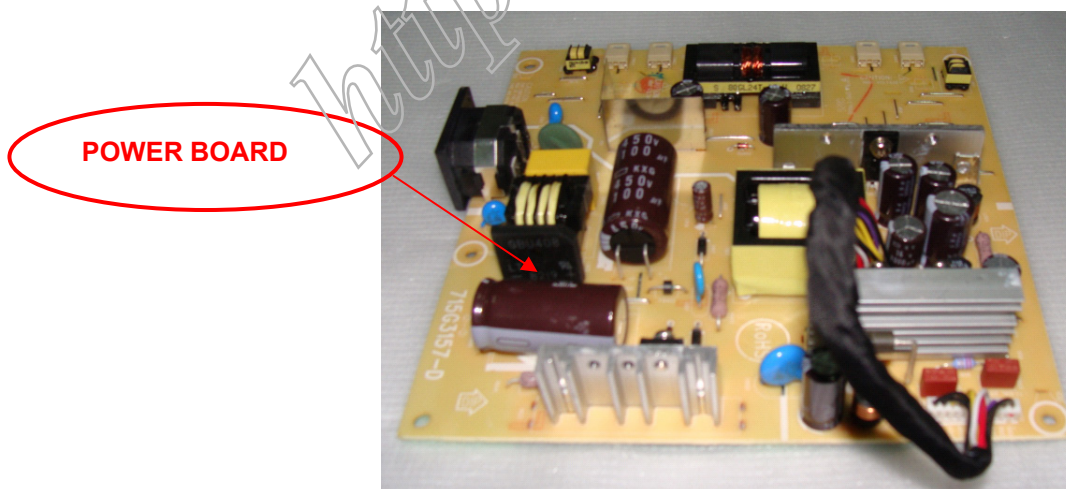
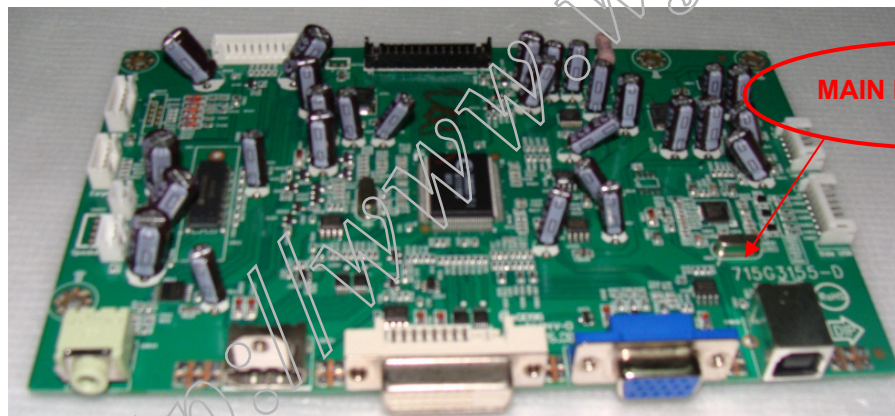
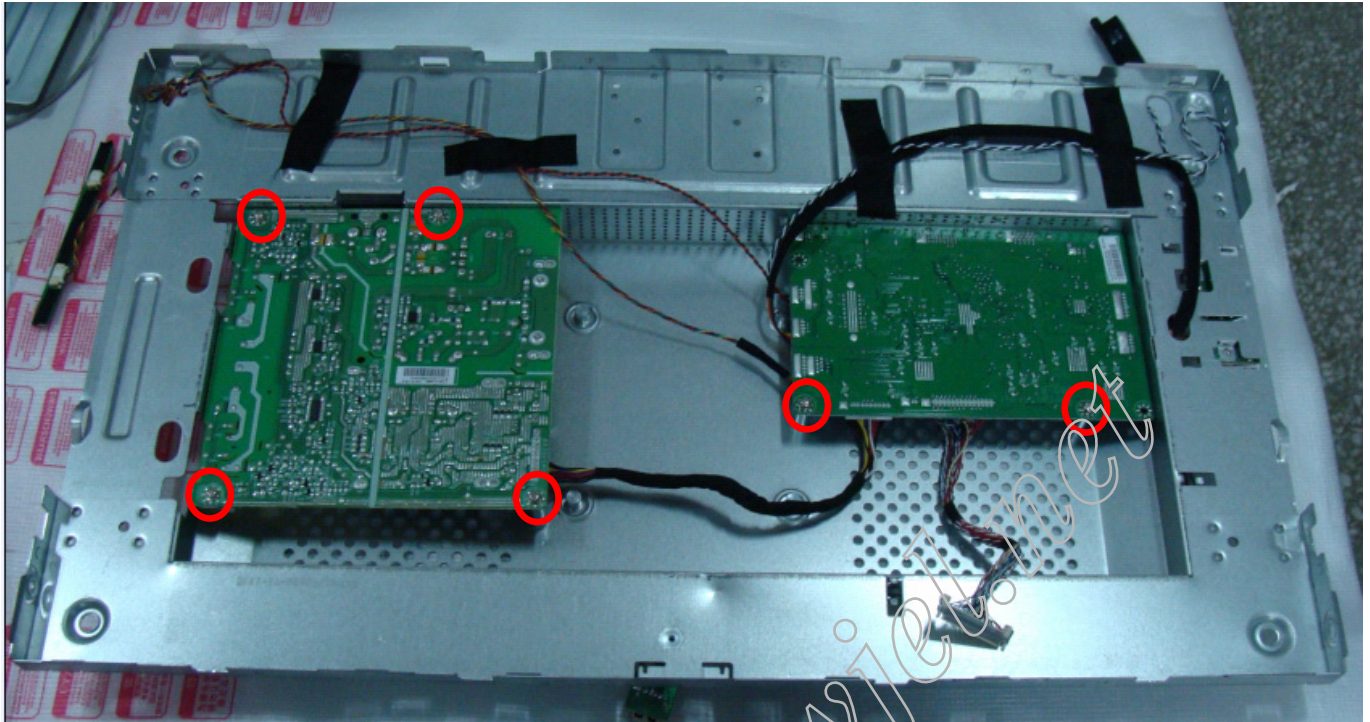
**4).Remove the Panel**

Remove the 4 screws on the side of main frame first, and then disconnect the Lamp Connections and LVDS Cable connection.



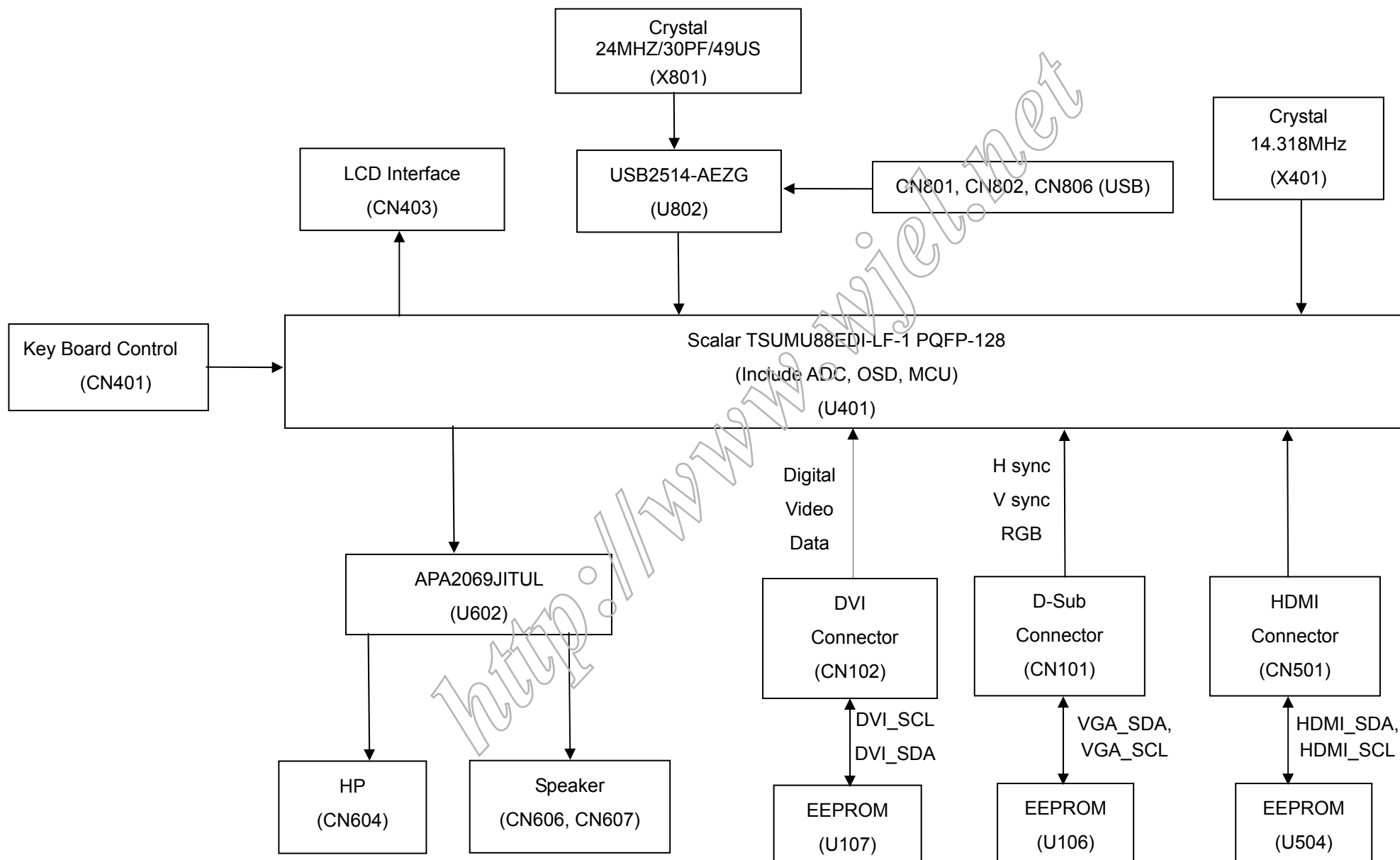
**5).Remove the Main Board and Power Board**

Remove the screws in red and disconnect the all connections, at last you can get the Main Board and Power Board as follow.

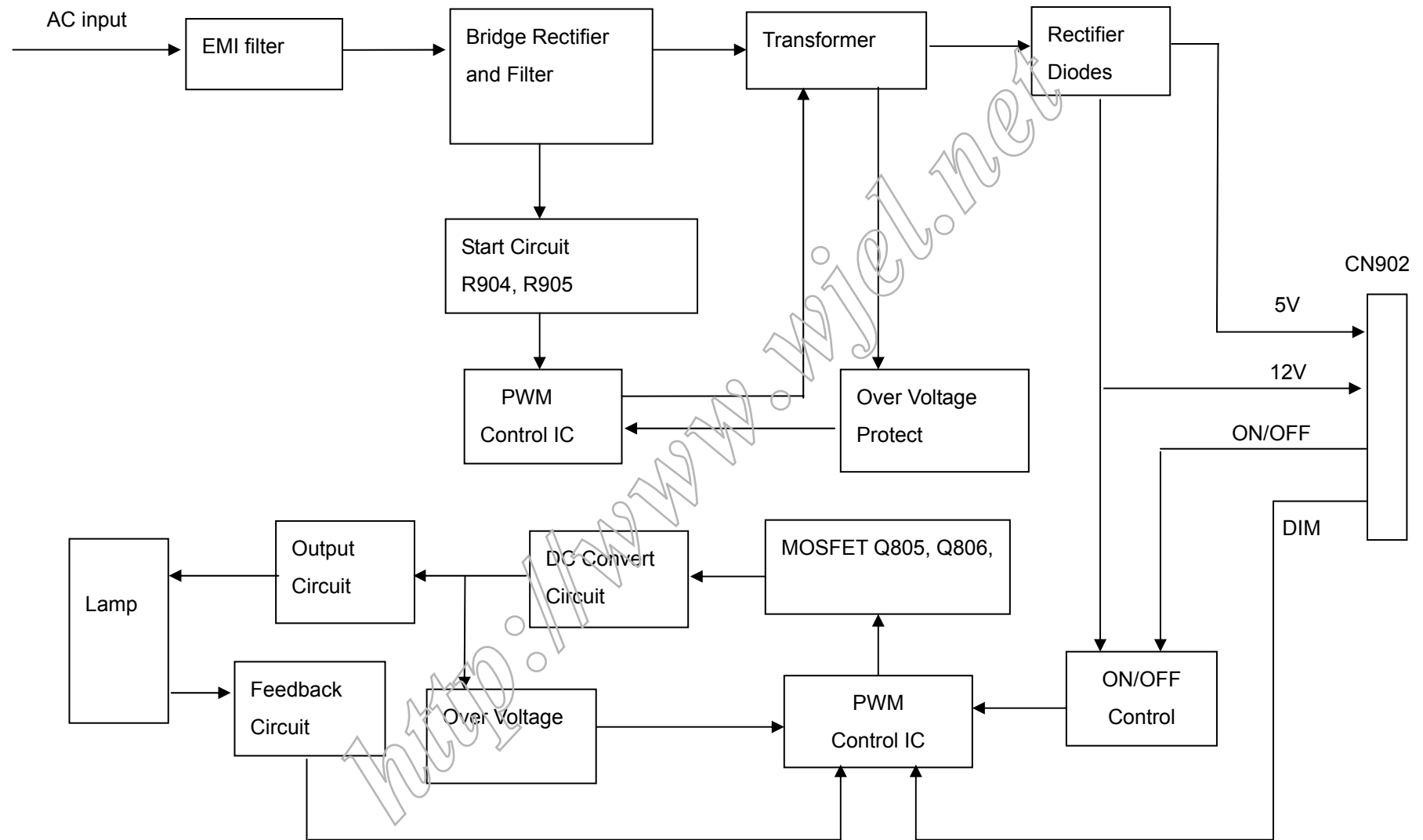


## Block Diagram

## Main Board

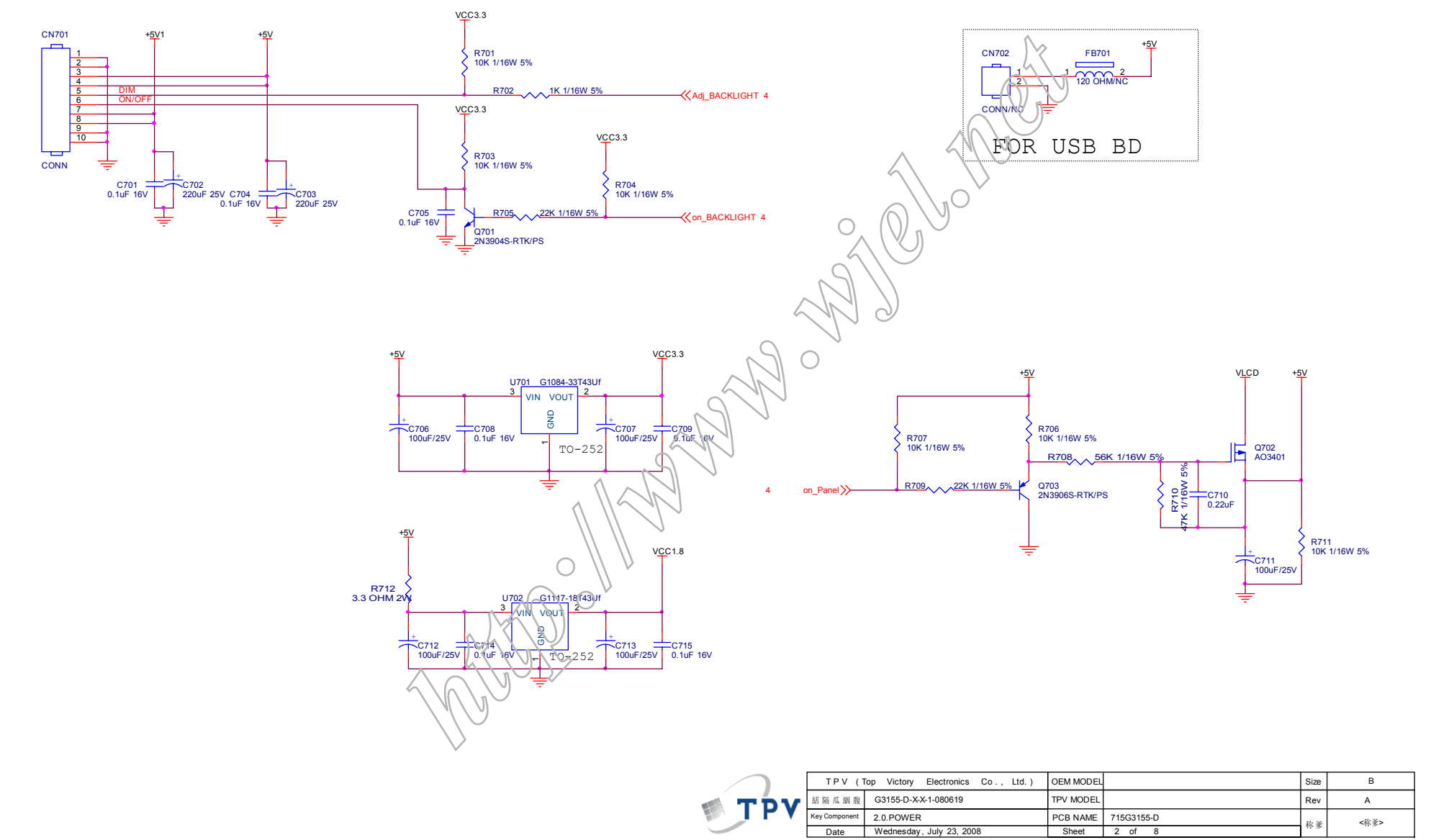


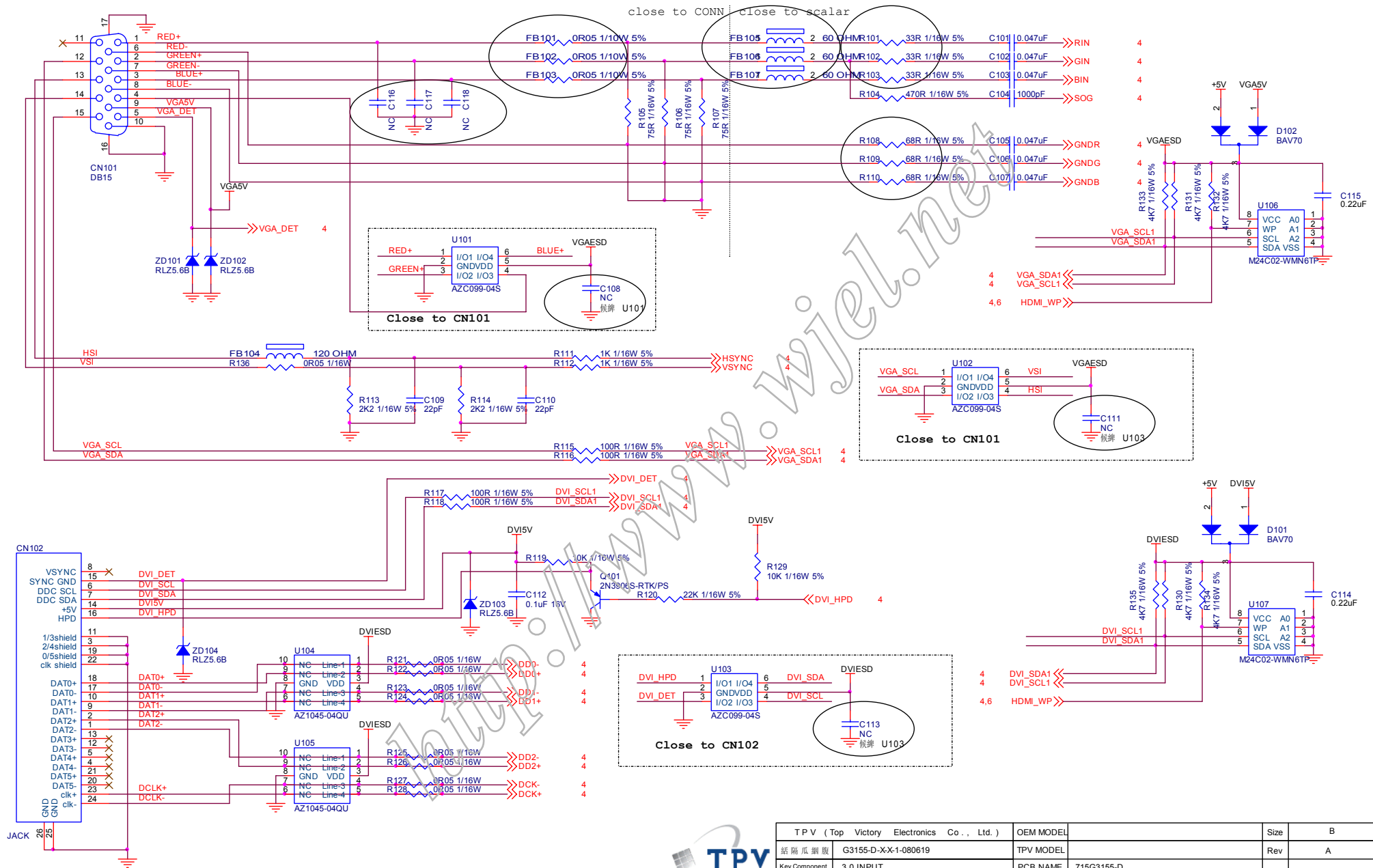
## Power Board



Schematic Diagram

Main Board

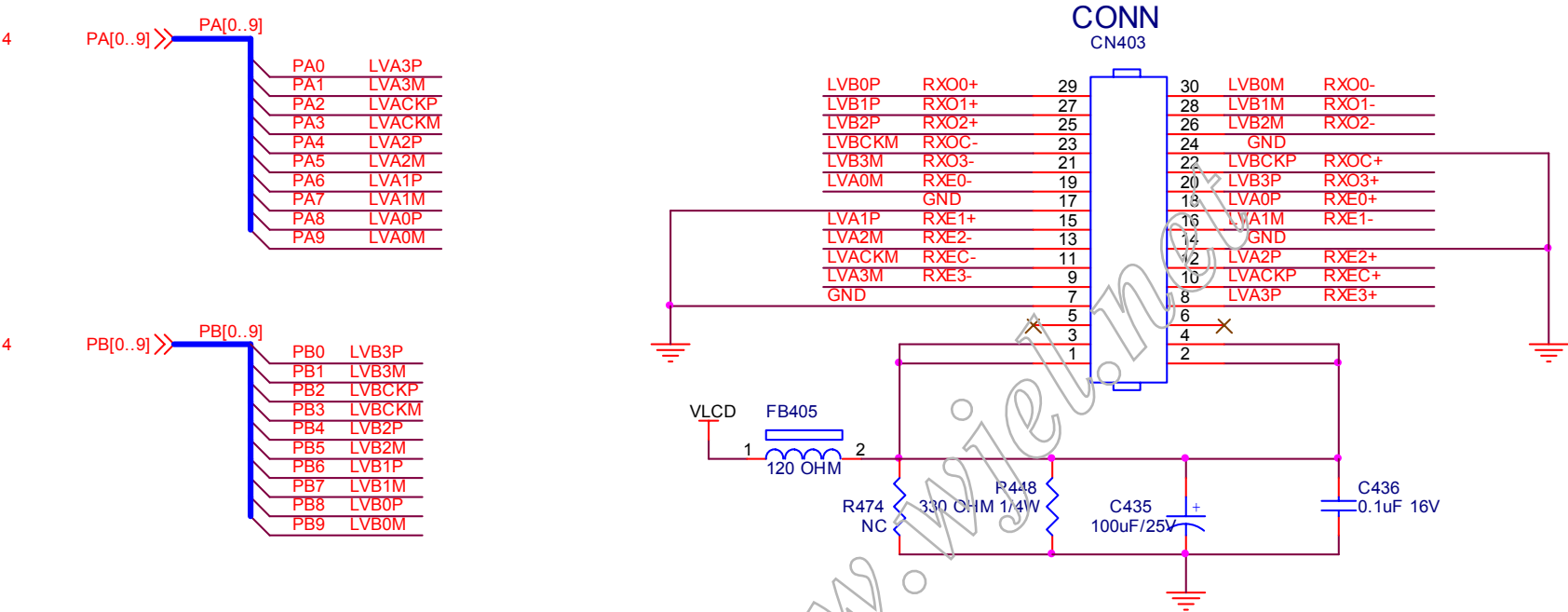




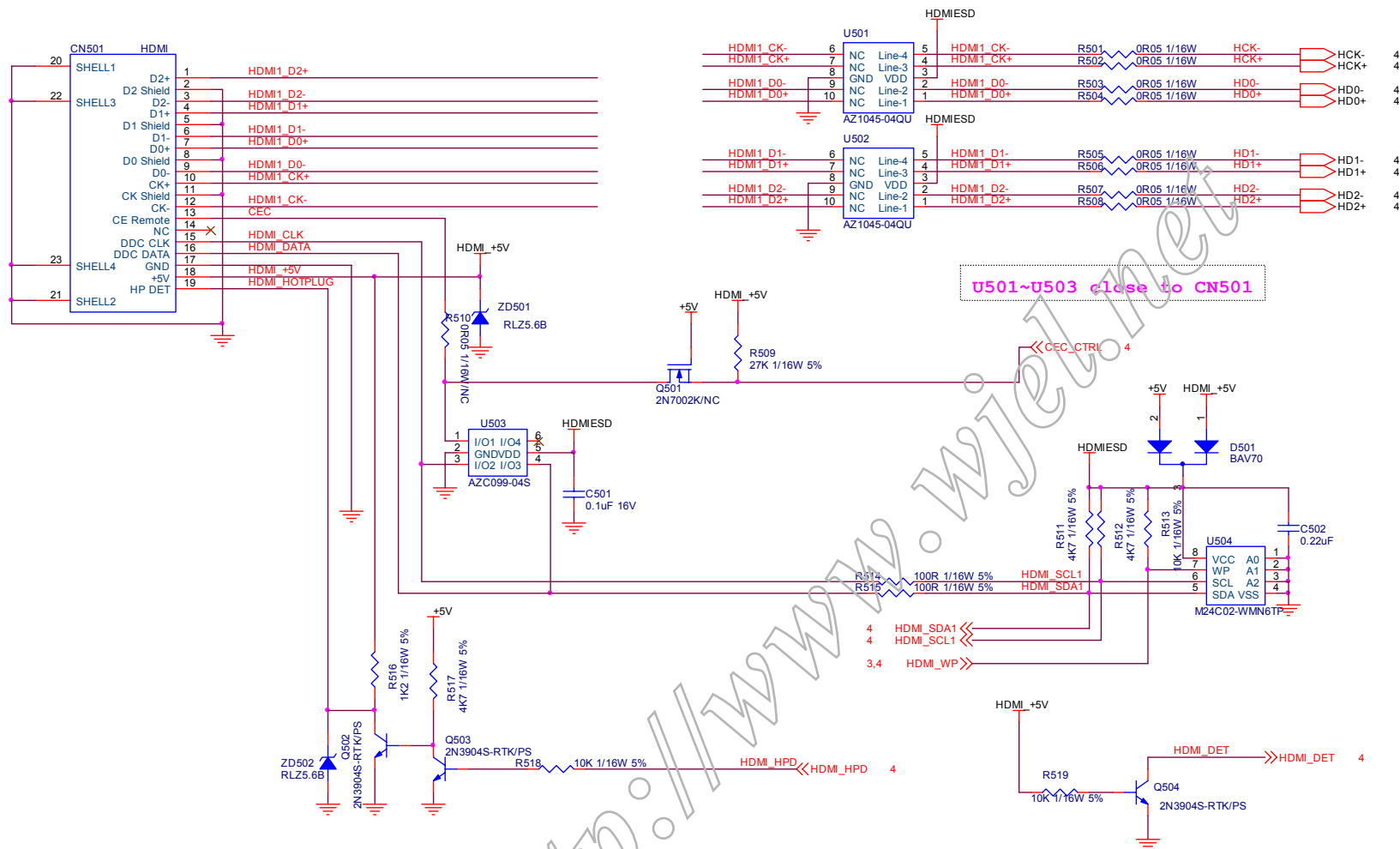
TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL		Size	B
結陽瓜洲廠	G3155-D-XX-1-080619	TPV MODEL	Rev	A
Key Component	3.0.INPUT	PCB NAME	715G3155-D	稱重
Date	Wednesday, July 23, 2008	Sheet	3 of 8	<稱重>



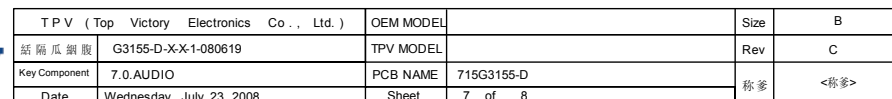
TPV (Top Victory Electronics Co., Ltd.)		OEM MODEL	Size	C
规格书名称		TPV MODEL	Rev	A
Key Component	SH155-DV-X1-080619 4.0" S-LCD	PCB NAME	715G3155-D	
Date	Thursday, July 24, 2008	Sheet	4 of 8	
			称 号	<格 号>

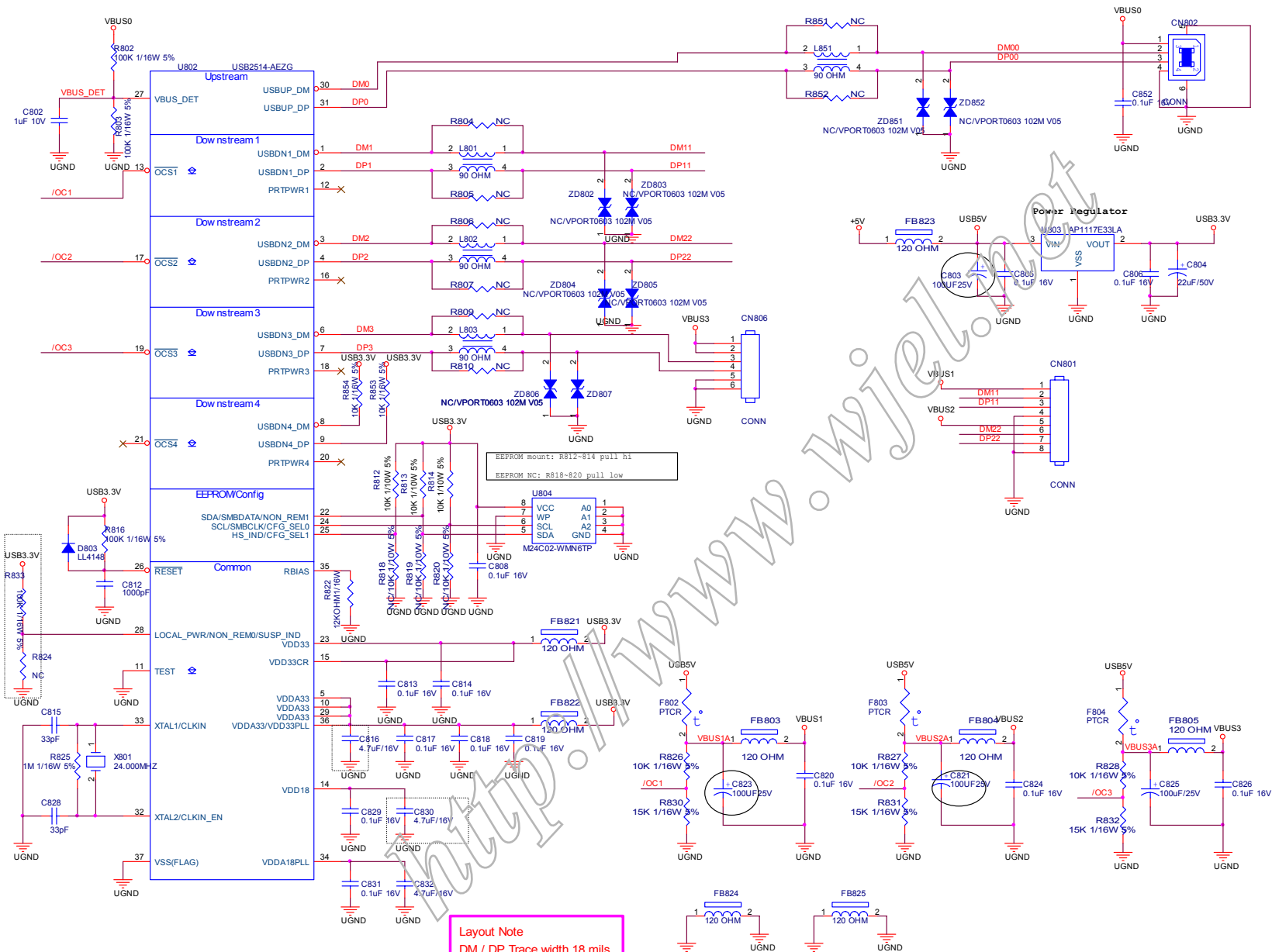


TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	Size	A
結 隔 瓜 網 膜	G3155-D-X-X-1-080619	Rev	C
Key Component	5.0.PANEL INTERFACE	PCB NAME	715G3155-D
Date	Wednesday, July 23, 2008	Sheet	5 of 8
		称 爹	<称爹>



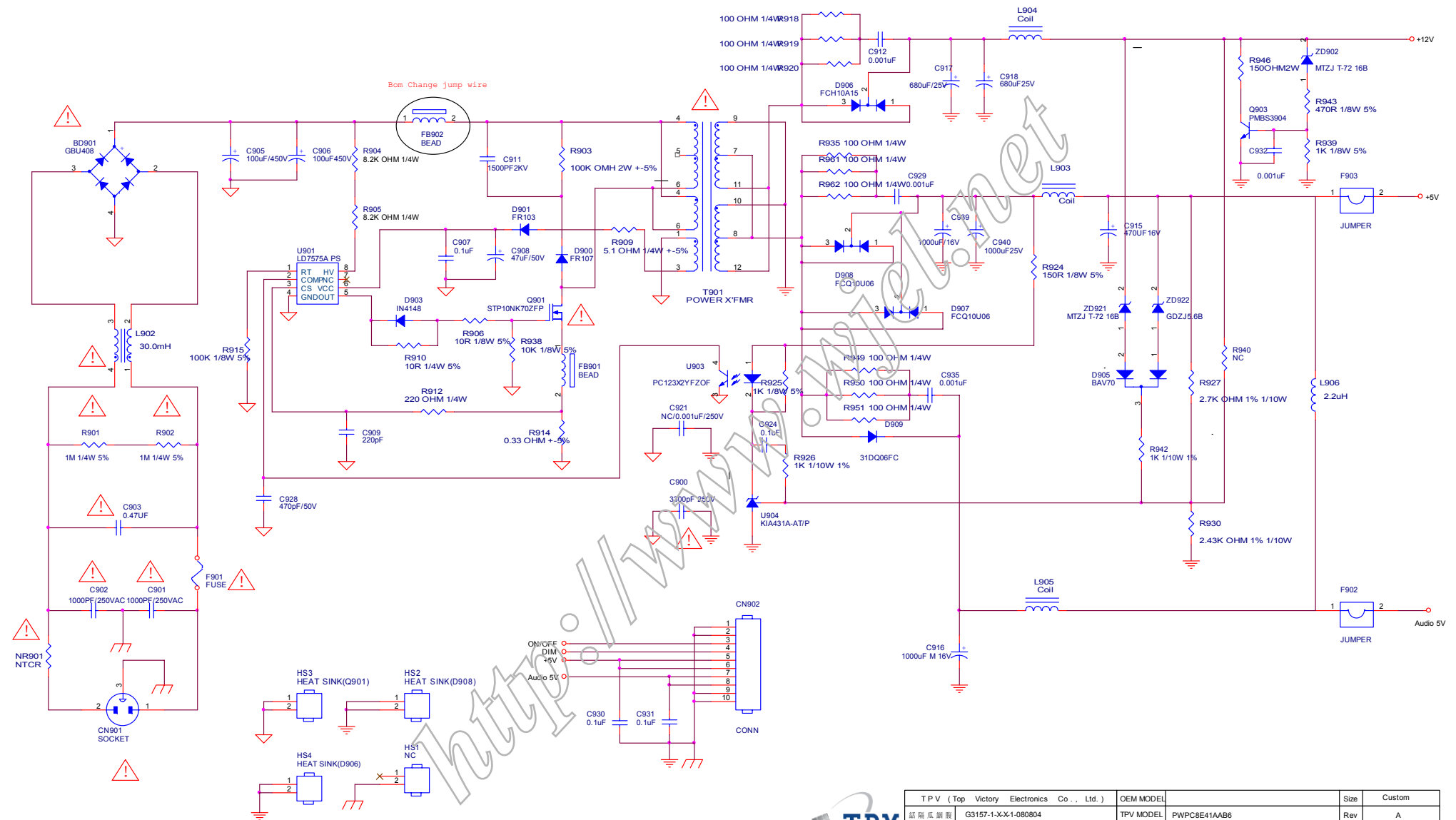
TPV (Top Victory Electronics Co., Ltd.)		OEM MODEL		Size	B
紙隔瓜銅腹	G3155-D-X-X-1-080619	TPV MODEL		Rev	C
Key Component	6.0.HDMI INPUT	PCB NAME	715G3155-D	稱爹	<稱爹>
Date	Wednesdav .Jul 23, 2008	Sheet	6 of 8		



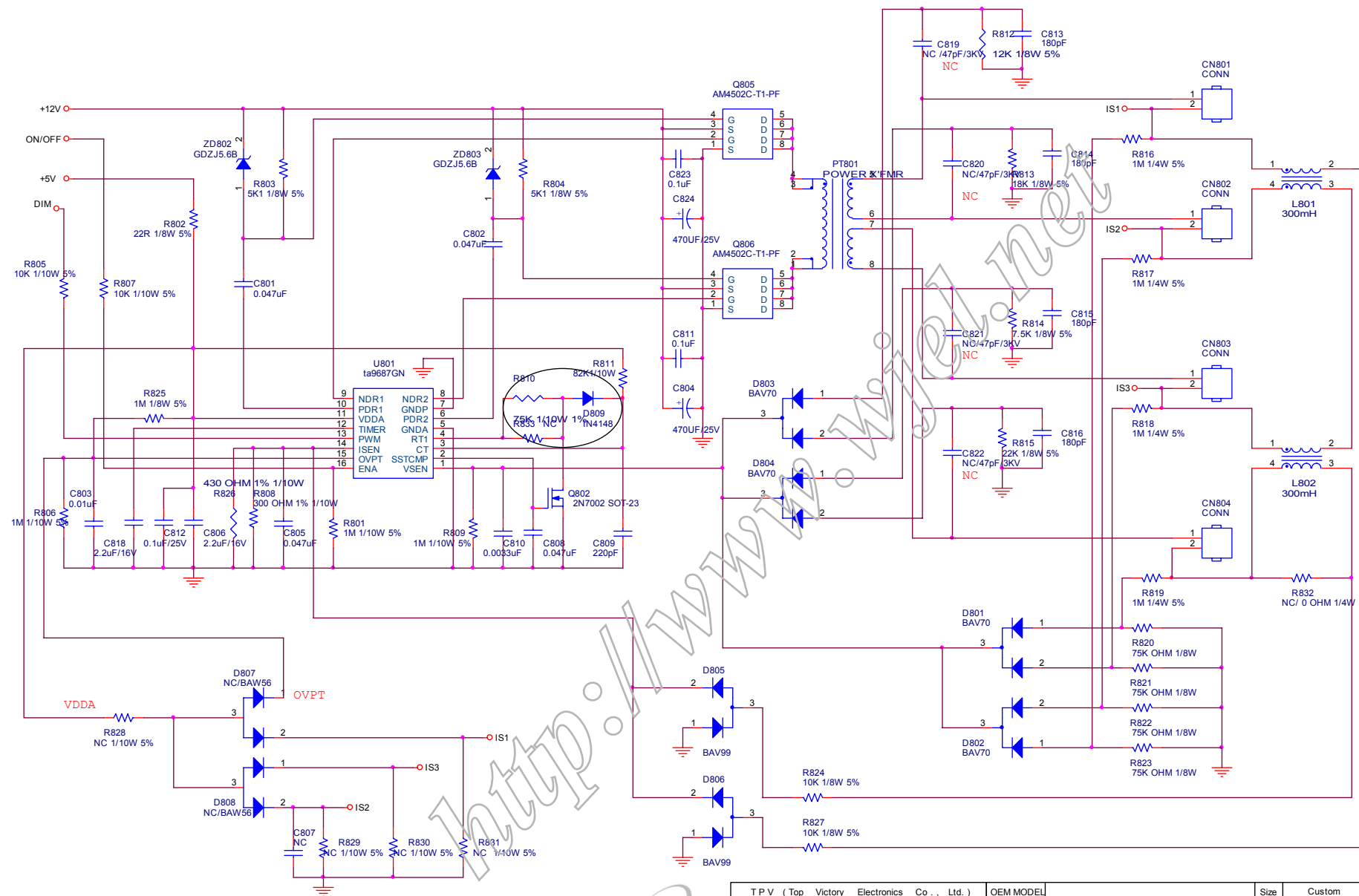


T P V (Top Victory Electronics Co., Ltd.)	OEM MODEL	BenQ E2400	Size	A3
紙箱及標籤	G3155-D-XX-1-080619	TPV MODEL	Rev	A
Key Component	USB HUB	PCB NAME	715G3155-D	稱重
Date	Thursday, July 24, 2008	Sheet	8 of 8	<稱重>

## Power Board

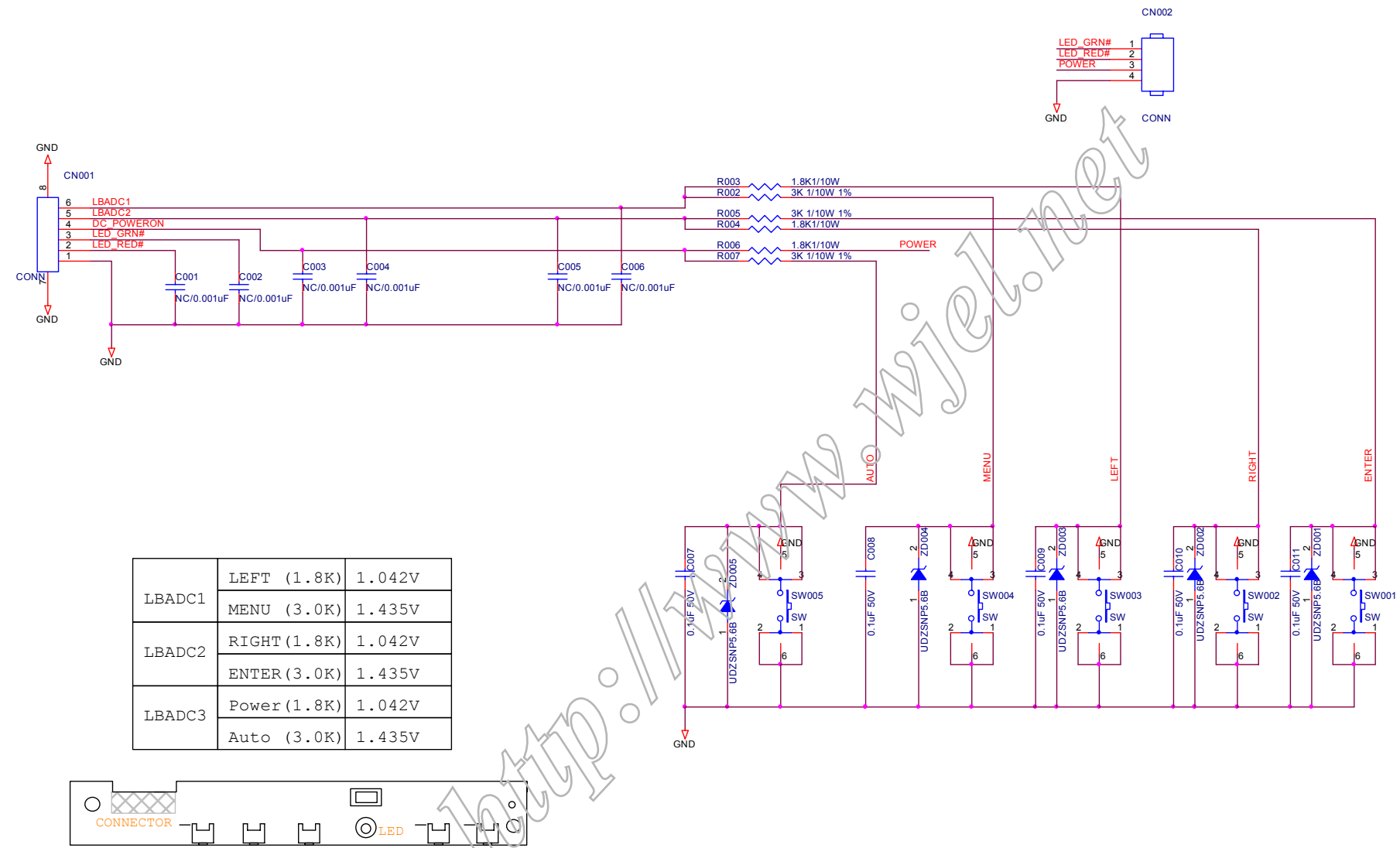


TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	Size	Custom
G3157-1-XX-1-080804	TPV MODEL	Rev	A
03.POWER	PCB NAME	715G3157-1	ODM MODEL
Tuesday, August 05, 2008	Sheet	1 of 3	



TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	Size	Custom
話 隔 瓜 網 膜	G3157-1-X-X-1-080804	Rev	A
Key Component	02.INVERTER	PCB NAME	715G3157-1
Date	Monday, August 04, 2008	Sheet	2 of 3
		称 爹	ODM MODEL

Key Board



(AUTO) (MENU) (LEFT) (Power) (RIGHT) (ENTER)



TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	M2400	Size	B
話隔瓜網股	G3169-C-X-X-1-0080508	TPV MODEL	Rev	C
Key Component	02.KEY BOARD	PCB NAME	715G3169-C	称爹
Date	Thursday, June 19, 2008	Sheet	2 of 2	

## Troubleshooting Guide

### Equipments and Tools Requirement

1. Voltmeter.
2. Oscilloscope.
3. Pattern Generator.
4. DDC Tool with and Compatible Computer.
5. Alignment Tool.
6. LCD Color Analyzer.
7. Service Manual.
8. User Manual.

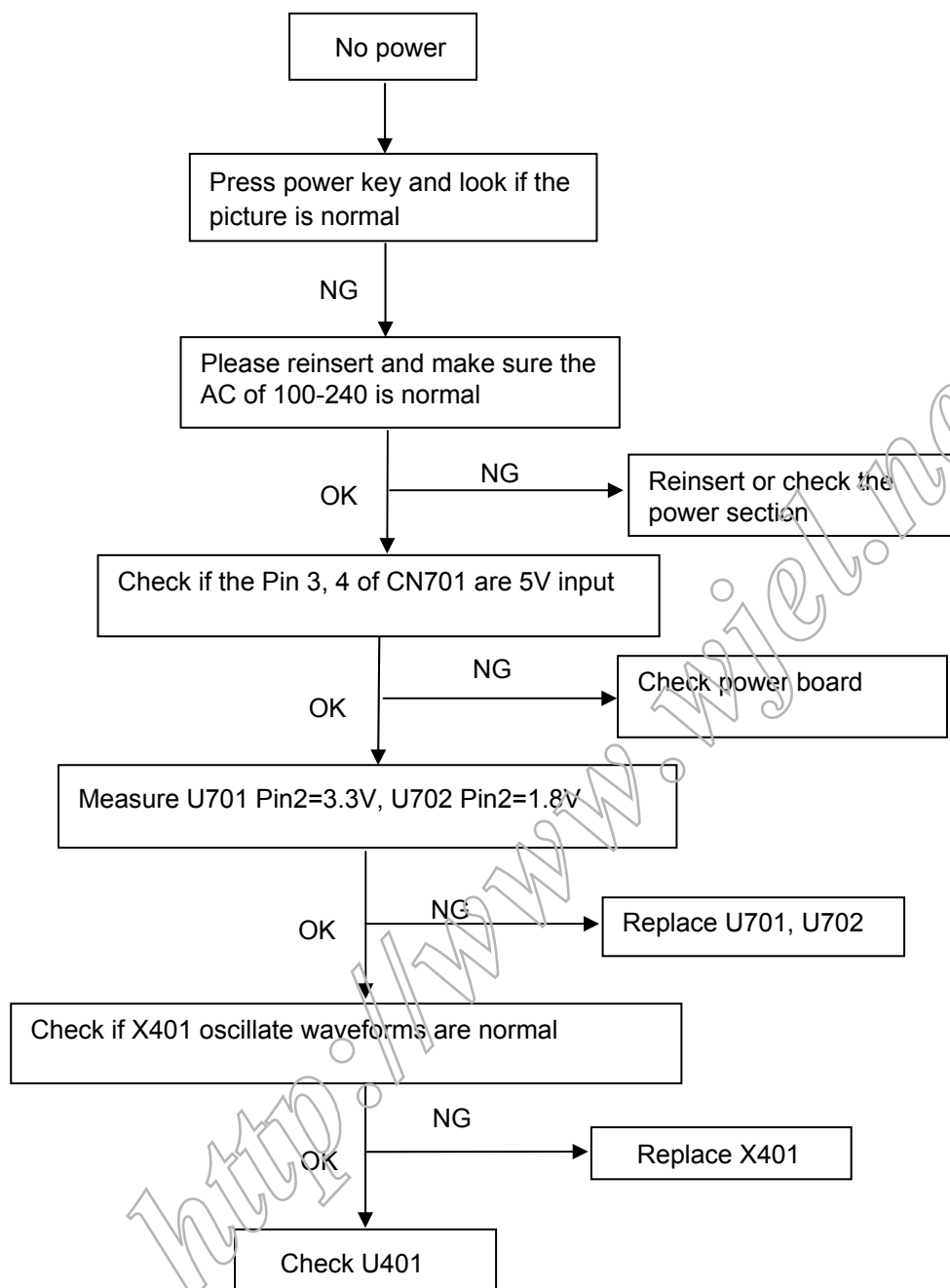
If the monitor fails to operate correctly, please follow the steps below for a possible solution.

1. Perform the adjustments described in OPERATING THE MONITOR, depending on the problem you have. If the monitor does not get a picture, skip to 2.
2. Consult the following items if you cannot find an appropriate adjustment item in OPERATING THE MONITOR or if the problem persists.
3. If you are experiencing a problem which is not described below or you cannot correct the problem, discontinue using the monitor and contact your dealer or iiyama service center for further assistance.

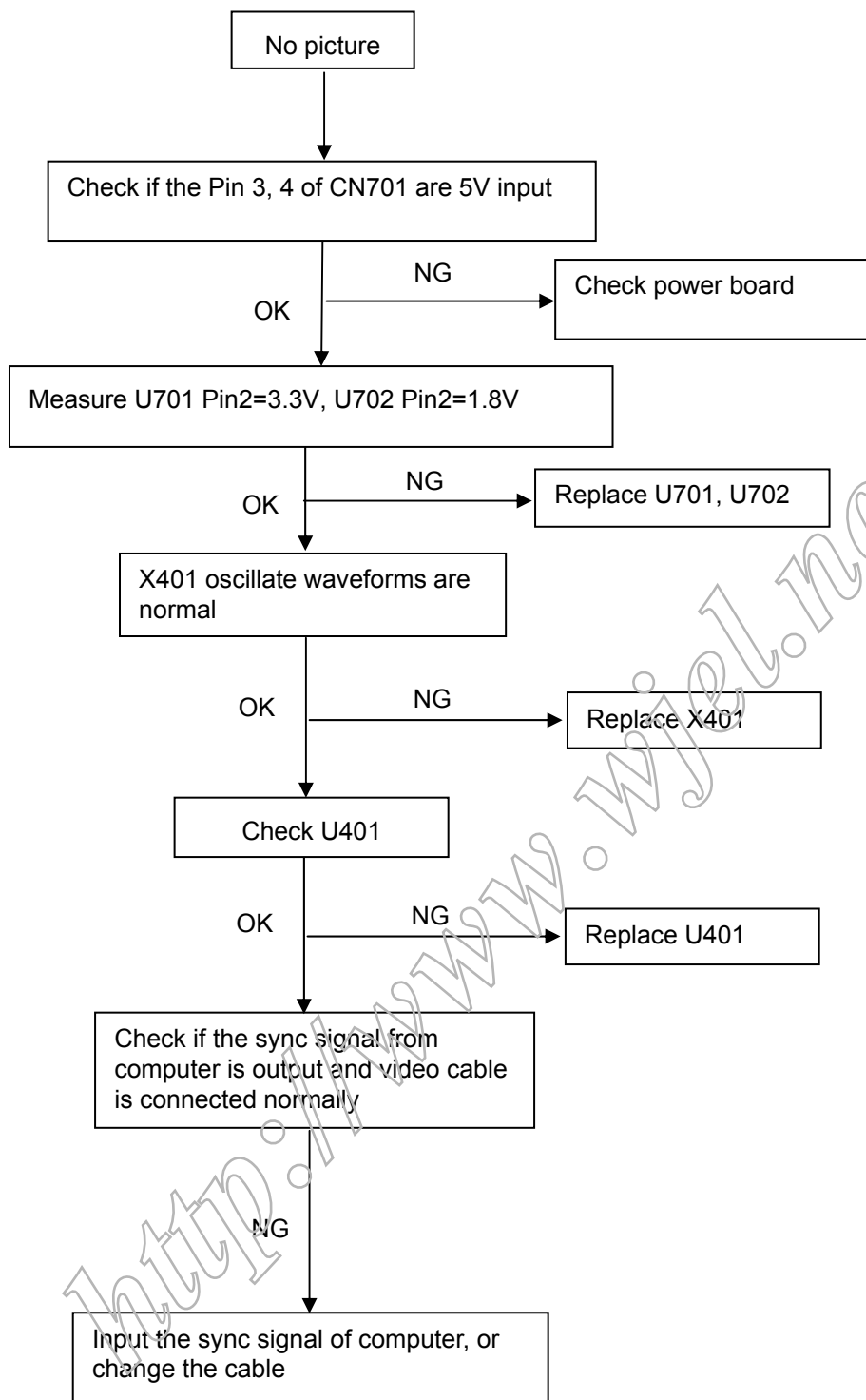
Problem	Check
① The picture does not appear.	
(Power indicator does not light up.)	<input type="checkbox"/> The Power Cable is firmly seated in the socket. <input type="checkbox"/> The Power Switch is turned ON. <input type="checkbox"/> The AC socket is live. Please check with another piece of equipment.
(Power indicator is green/blue.)	<input type="checkbox"/> If the blank screen saver is in active mode, touch the keyboard or the mouse. <input type="checkbox"/> Increase the Contrast and/or Brightness. <input type="checkbox"/> The computer is ON. <input type="checkbox"/> The Signal Cable is properly connected. <input type="checkbox"/> The signal timing of the computer is within the specification of the monitor.
(Power indicator is orange.)	<input type="checkbox"/> If the monitor is in power management mode, touch the keyboard or the mouse. <input type="checkbox"/> The computer is ON. <input type="checkbox"/> The Signal Cable is properly connected. <input type="checkbox"/> The signal timing of the computer is within the specification of the monitor.
② The screen is not synchronized.	<input type="checkbox"/> The Signal Cable is properly connected. <input type="checkbox"/> The signal timing of the computer is within the specification of the monitor. <input type="checkbox"/> The video output level of the computer is within the specification of the monitor.
③ The screen position is not in the center.	<input type="checkbox"/> The signal timing of the computer is within the specification of the monitor.
④ The screen is too bright or too dark.	<input type="checkbox"/> The video output level of the computer is within the specification of the monitor.
⑤ The screen is shaking.	<input type="checkbox"/> The power voltage is within the specification of the monitor. <input type="checkbox"/> The signal timing of the computer is within the specification of the monitor.

## Main Board

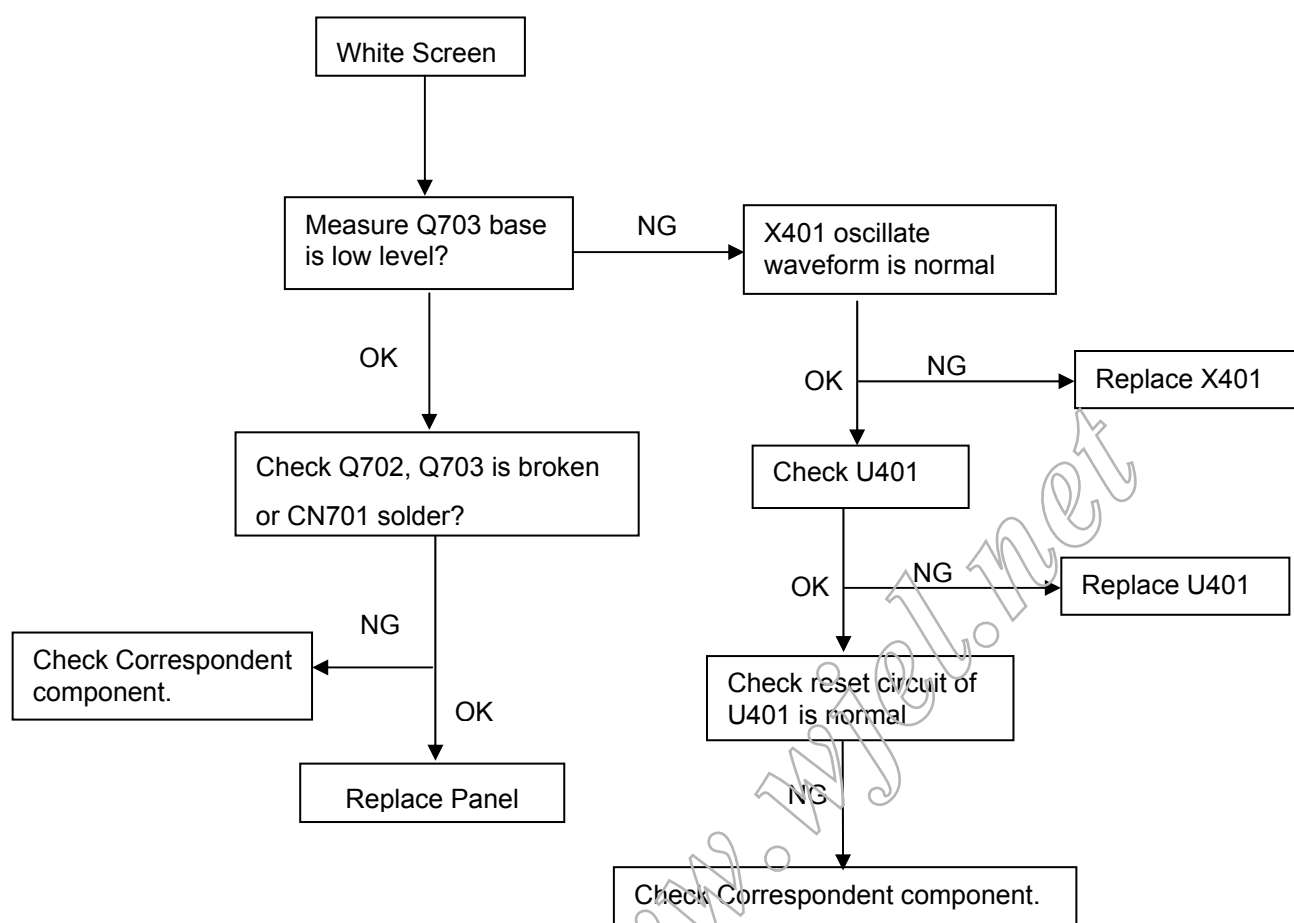
## (1) No Power



## (2) No picture

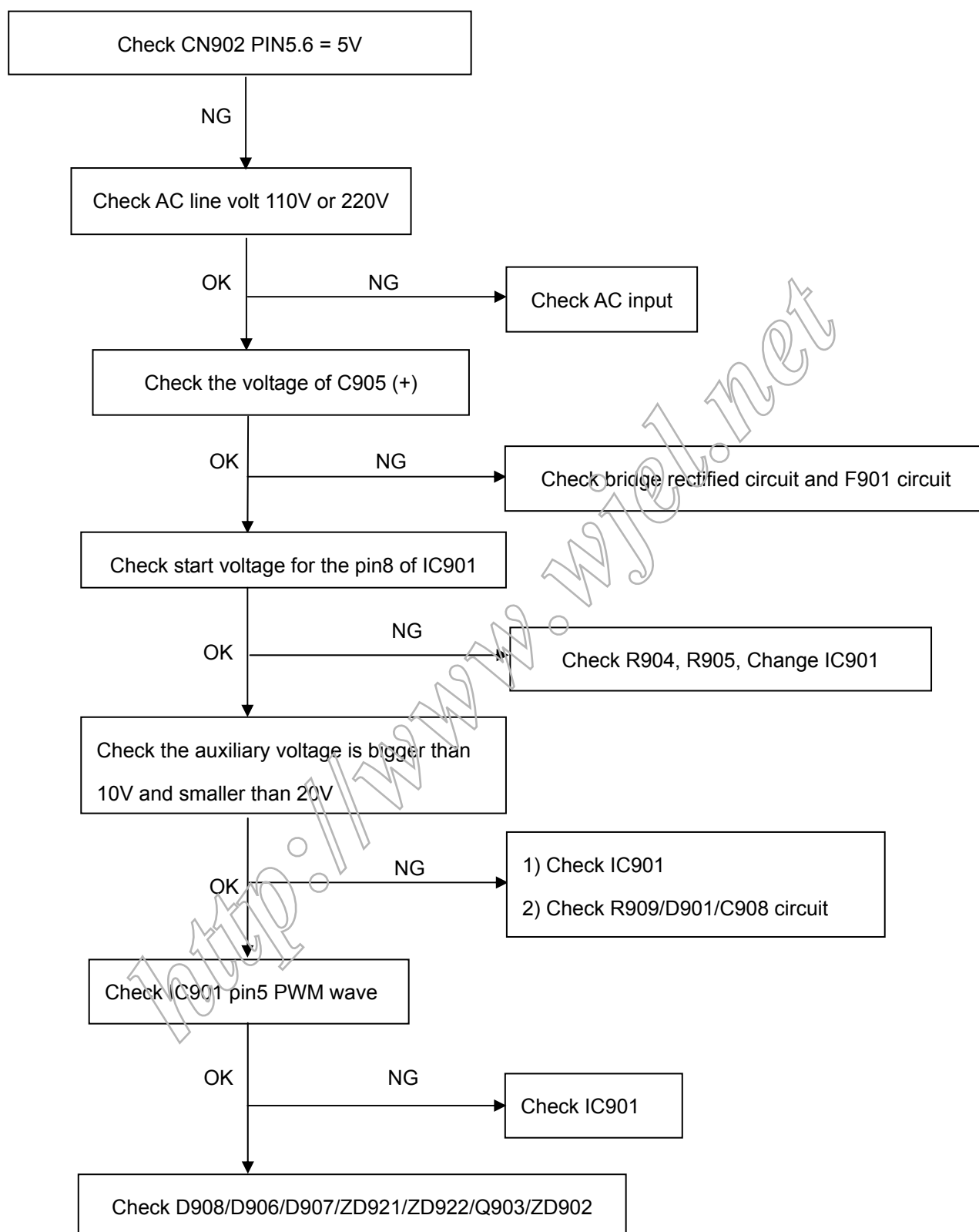


## (3) White screen

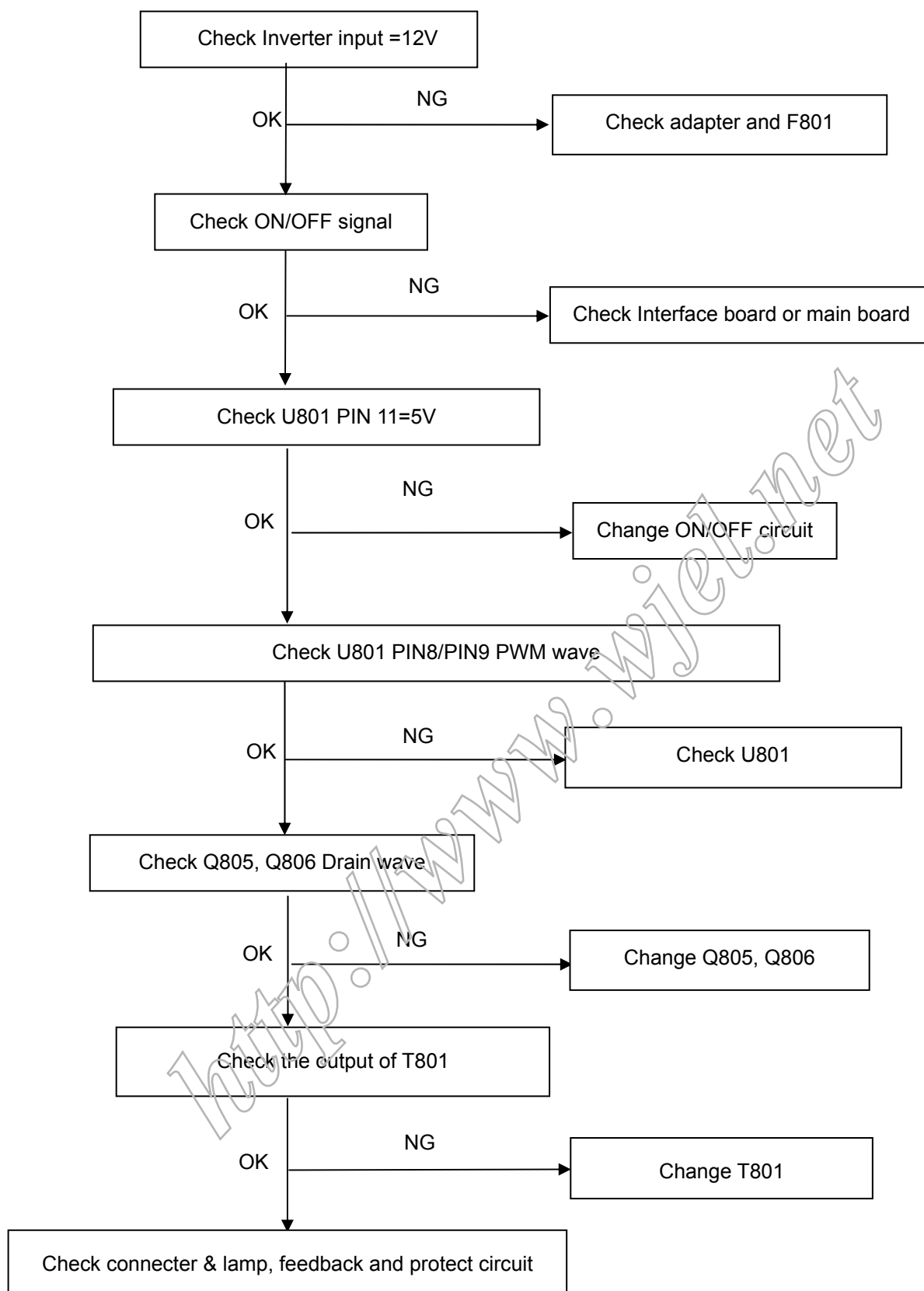


## Power Board

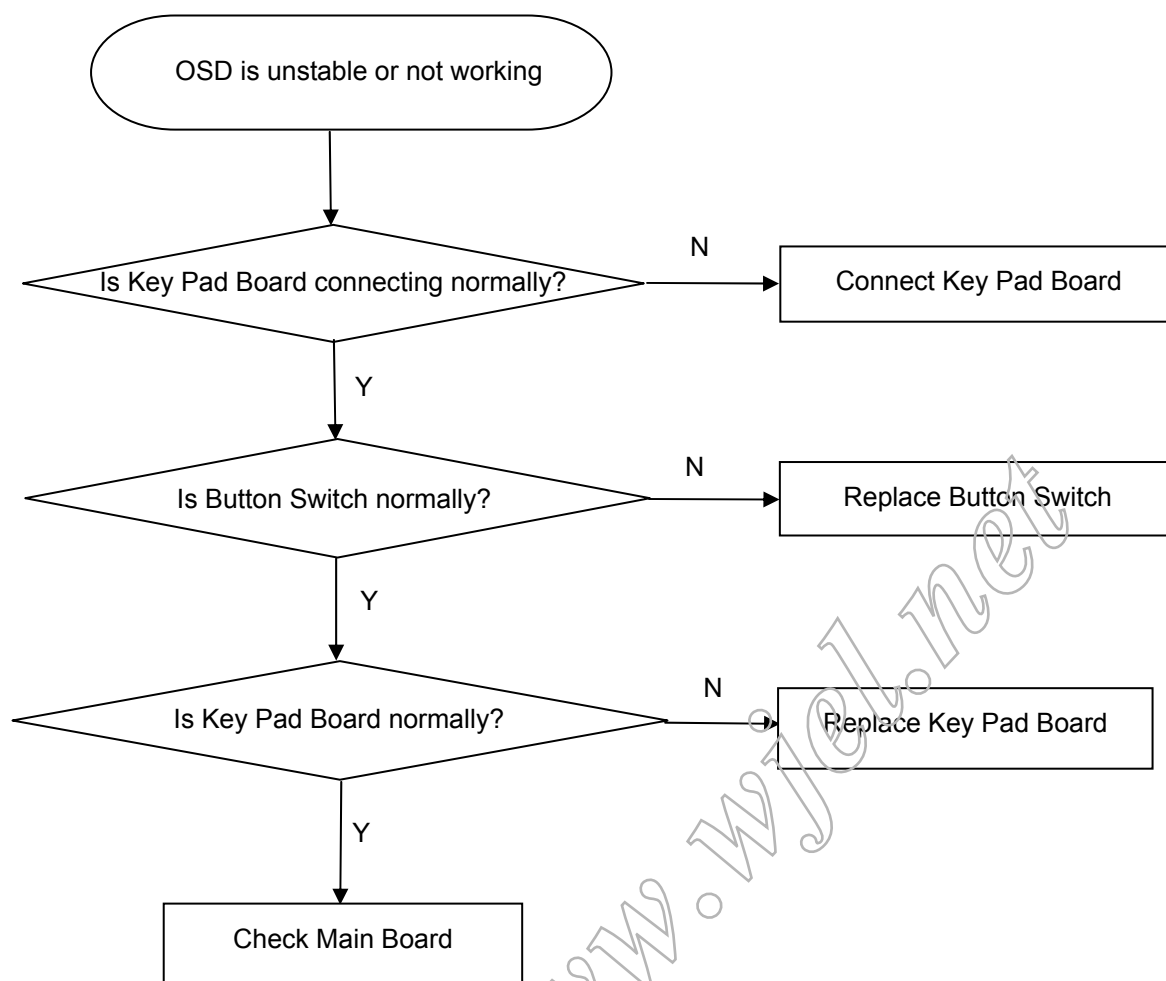
## No power



## W / LED, No Backlight

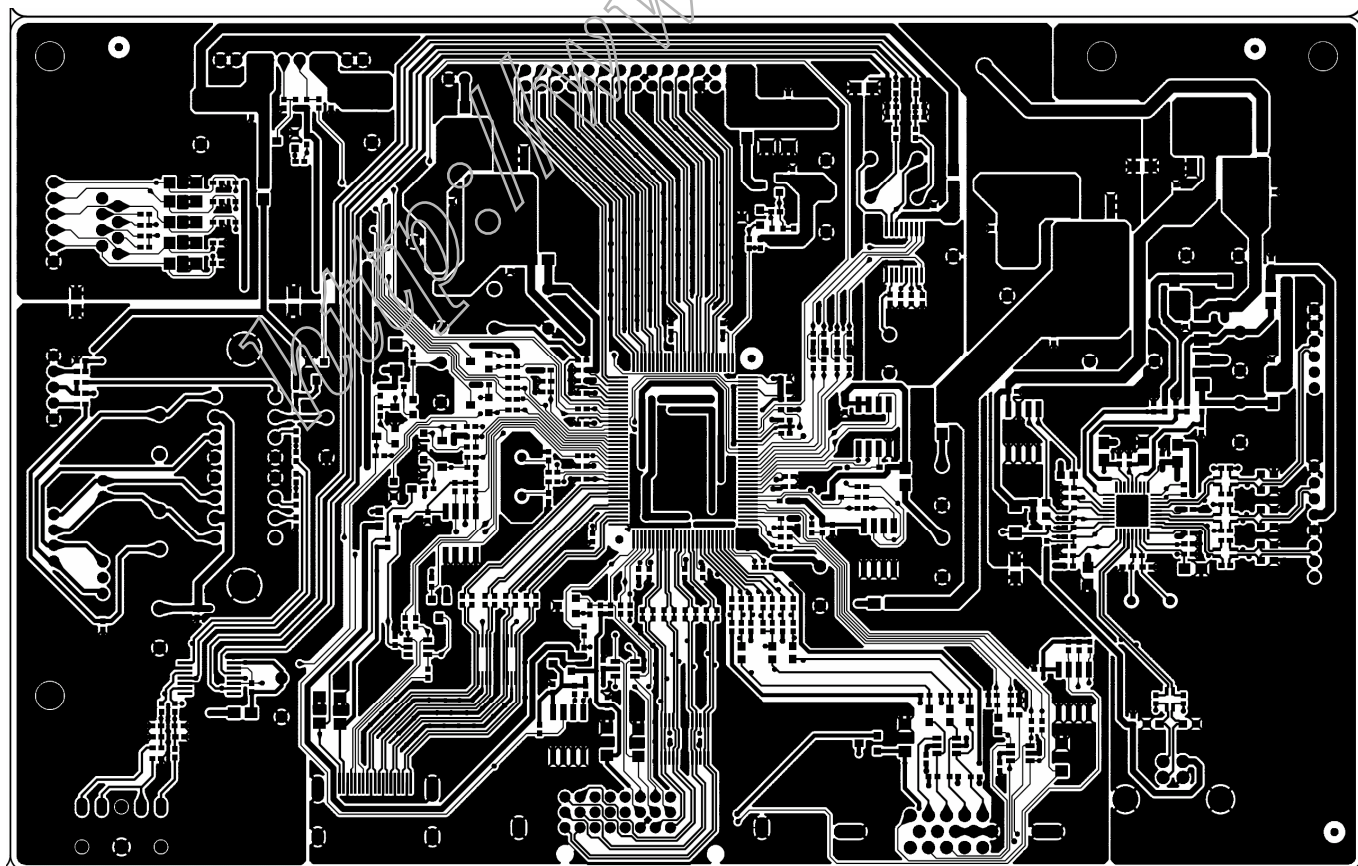
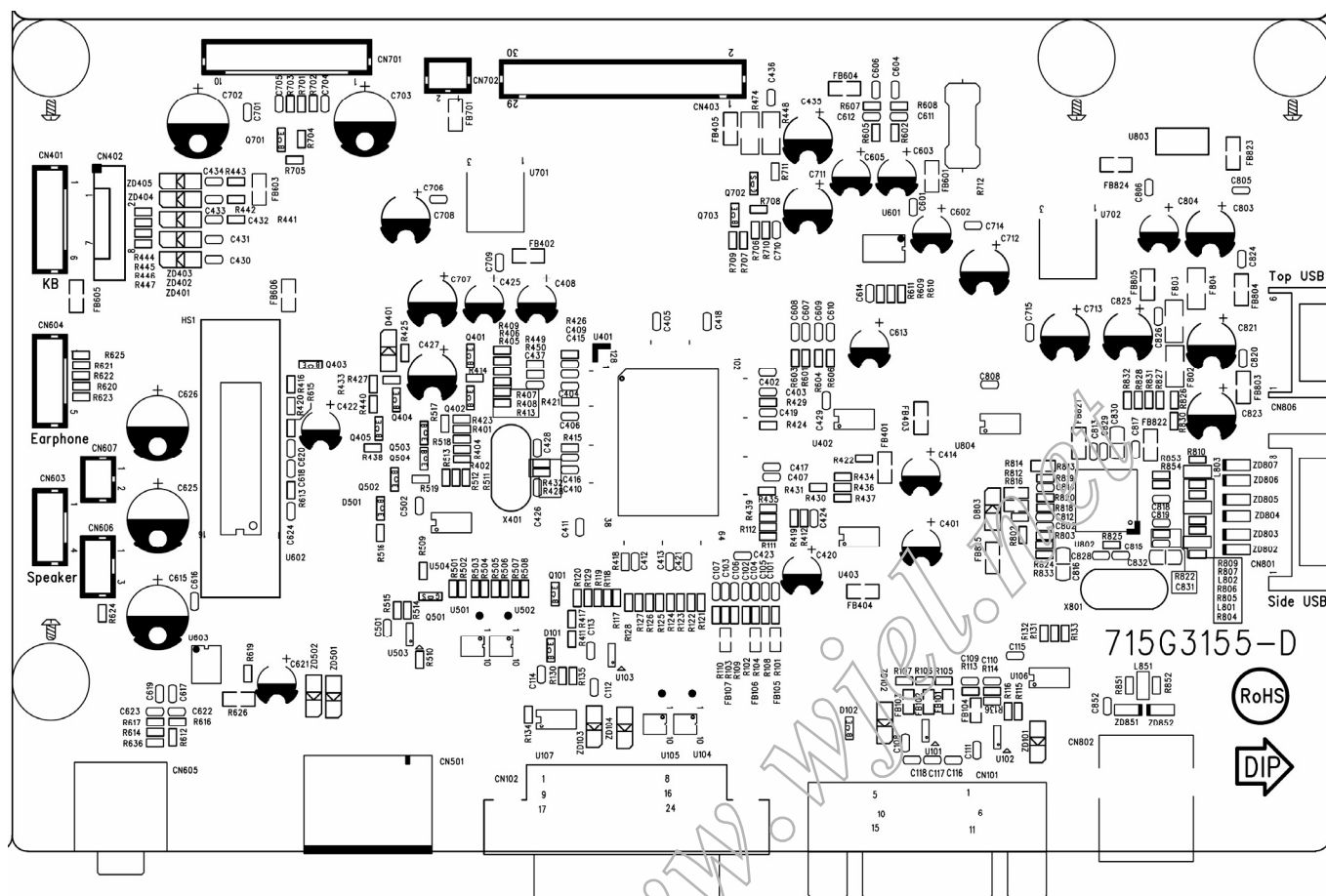


## Keypad Board

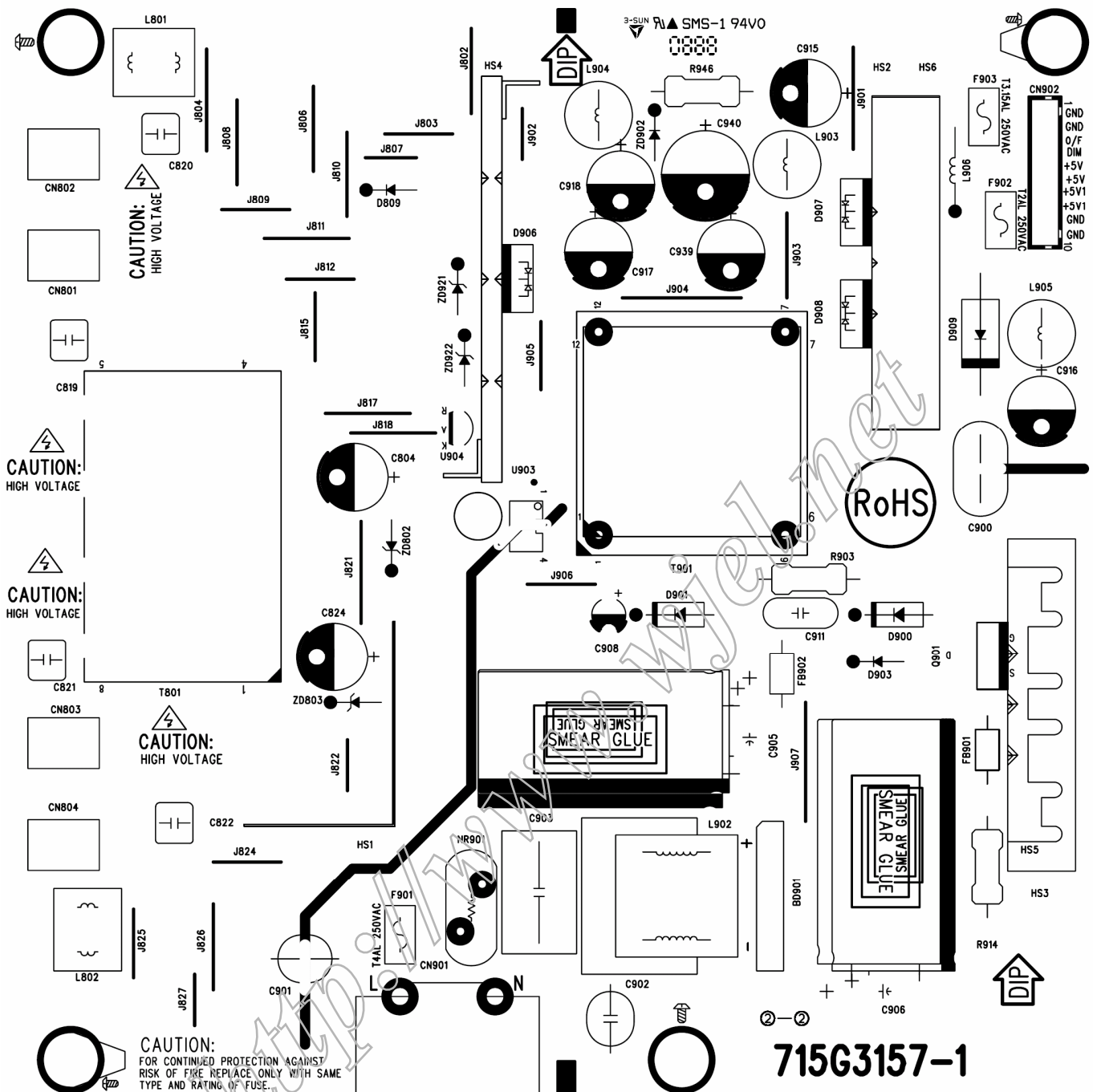


## PCB LAYOUT

## Main Board



## Power Board





**Appendix 1 – Screw List / Torque****(TKRAA2NBW2BQPN/ TKRAA2NDW2BQPN)**

Part No.	Type	Description	Quantity	Torque
0M1G 130 6120	M3*6	FOR MAIN FRAME & PANEL	4	3±0.5KGF. CM
0M1G 930 6120	M3*6	For HDMI CONNECTOR & MAIN FRAME	1	6±1 KGF. CM
0M1G1730 6120	M3*6	FOR ALL BOARDS & MAIN FRAME	9	6±1 KGF. CM
0M1G1740 10120	M4*10	FOR HINGE & REAR COVER	4	12±2KGF. CM
0Q1G 930 8120	Q3*8	FOR STAND BKT & BEZEL	2	6±1KGF. CM
0Q1G 930 8120	Q3*8	FOR POWER KEY BOARD & BEZEL	2	6±1KGF. CM
0M1G1730 8120	M3*8	FOR HEAT SINK	1	~
0M1G1730 8120	M3*8	FOR HEAT SINK	1	~
0M1G1730 8120	M3*8	FOR HEAT SINK	2	~
0M1G1740 10120	M4*10	FOR HINGE & STAND	2	6±2KGF. CM
0Q1G 130 8120	Q3*8	FOR BKT_BASE & BASE	3	6±2KGF. CM
0Q1G1040 10120	Q4*10	FOR HINGE & STAND	3	6±2KGF. CM

## Appendix 2 – BOM List

TKRAA2NBW2BQPN(For Europe)

Location	TPV Part No.	Description	Remark
	070GHDCP500HDC	HDCP CODE	
	089G 17356G553	AUDIO CABLE 1800MM	
	089G 175 8 G	FQE41177F USB CABLE 1800MM A+B	
E08902	089G 728GAA 2D	SIGNAL CABLE	2nd source
E08902	089G 728HAA 2D	SIGNAL CABLE	
	095G8014 5D 62	HARNESS 5P-5P 420MM	
	095G8014 6D 55	HARNESS 6P-6P 500MM	
	095G8014 6D 56	HARNESS 6P-6P 380MM	
	095G8014 8D 78	HARNESS 8P-8P 60MM	
	095G801830D175	HARNESS 30P-30P 150MM	
	095G8022 4D 1	HARNESS 4P-4P 110MM	
	0M1G 130 6120	SCREW M3X6	
	0M1G 930 6120	SCREW	
	0M1G1730 6120	SCREW,42-D020523	
	0M1G1740 10120	SCREW 42A9940008	
	0Q1G 930 8120	SCREW	
	0Q1G 930 8120	SCREW	
	750GLU240H1013N000	PANEL M240HW01 V00 XM AUO	
	756GQ8CB BU001	MAIN BOARD-CBPCRA2BQQ1	
U402	056G1133120	IC MX25L2025MC-12G 2MB SOP-8	
SMTC-U402	100GQMAE002NT1	MCU ASS'Y-056G1133120	
SMTC-U804	100GQCAE000N12	U804 ASS'Y—056G1133 34	
U804	056G1133 34	M24C02-WMN6TP	
	A15G0455 A1 1	MAIN FRAME	
	A33G0464BCN 1L0100	BUTTON_FUNC	
	A33G0465BCNA1L0100	BUTTON_POWER	
	A33G0466 1 1C0100	LENS_POWER	
	A33G0468AFDA1L0100	PLATE_LOGO_B	
	A33G0473BCN 1L0100	COVER_HINGE	
	A34G0854AFDA1B0100	BEZEL(L24W-BENQ)	
	A34G0855BCNA1B0100	PLATE_BEZEL	
	A34G0856AFD 1B0130	REAR COVER24"	
	A85G0117 1101A	SHIELD_USB	
	A85G0124 1101A	SHIELD_USB	
CN604	033G3802 5	AUDIO IN	
CN401	033G3802 6	WAFER	
CN701	033G3802 10	PLUG	

CN806	033G3802 6H	WAFER 6P RIGHT ANGLE PITCH 2.0	
CN801	033G3802 8H	WAFER 8P RIGHT ANGLE PITCH 2.0	
CN403	033G8027 30	WAFER 30P 2.0MM DIP DUAL ROW	
U602	056G 616 34	IC APA2069JITUL 2.6W*2 PDIP-16	
R712	061G152M339 64	CHIPR 3.3 OHM +-5% 2W	
CN605	088G 30214K	PHONE JACK 5PIN	
CN802	088G 3512B1 CL	USB CONN BLACK	
CN101	088G 35315F H	D-SUB 15PIN	
CN102	088G 35424F H	DVI CONNECTOR 24PIN	
X801	093G 22 45 J	24MHZ/30PF/49US	
X401	093G 2253B J	14.31818MHZ/85C	
C803	067G 3151014KB	EC 100UF M 25V 6.3*11	
C821	067G 3151014KB	EC 100UF M 25V 6.3*11	
C823	067G 3151014KB	EC 100UF M 25V 6.3*11	
C626	067G 4152214KT	EC 220UF 25V M 8*12MM	
C625	067G 4152214KT	EC 220UF 25V M 8*12MM	
C615	067G 4152214KT	EC 220UF 25V M 8*12MM	
C702	067G 4152214KT	EC 220UF 25V M 8*12MM	
C703	067G 4152214KT	EC 220UF 25V M 8*12MM	
C435	067G215Y1014KT	EC CAP.105 105°C	
C706	067G215Y1014KT	EC CAP.105 105°C	
C712	067G215Y1014KT	EC CAP.105 105°C	
C711	067G215Y1014KT	EC CAP.105 105°C	
C707	067G215Y1014KT	EC CAP.105 105°C	
C825	067G215Y1014KT	EC CAP.105 105°C	
C713	067G215Y1014KT	EC CAP.105 105°C	
C427	067G215Y1014KT	EC CAP.105 105°C	
C804	067G215Y2207KT	CAP 105°C 22UF M 50V KINGNICH	
C401	067G215Y2207KT	CAP 105°C 22UF M 50V KINGNICH	
C408	067G215Y2207KT	CAP 105°C 22UF M 50V KINGNICH	
C414	067G215Y2207KT	CAP 105°C 22UF M 50V KINGNICH	
C621	067G215Y2207KT	CAP 105°C 22UF M 50V KINGNICH	
C613	067G215Y2207KT	CAP 105°C 22UF M 50V KINGNICH	
C605	067G215Y2207KT	CAP 105°C 22UF M 50V KINGNICH	
C603	067G215Y2207KT	CAP 105°C 22UF M 50V KINGNICH	
C602	067G215Y2207KT	CAP 105°C 22UF M 50V KINGNICH	
C425	067G215Y2207KT	CAP 105°C 22UF M 50V KINGNICH	
C422	067G215Y2207KT	CAP 105°C 22UF M 50V KINGNICH	
C420	067G215Y2207KT	CAP 105°C 22UF M 50V KINGNICH	
U401	056G 562212	IC TSUMU88EDI-LF-1 PQFP-128	

U701	056G 563 75	G1084-33T43UF TO-252	
U702	056G 563125	IC G1117-18T43UF TO-252	
U803	056G 585 4A	IC AP1117E33L-13	
U603	056G 628 8	IC FSA2257MTCX TSSOP-14	
U802	056G 659 9	IC USB2514-AEZG QFN-36	
U503	056G 662 13	IC AZC099-04S SOT23-6L	
U103	056G 662 13	IC AZC099-04S SOT23-6L	
U102	056G 662 13	IC AZC099-04S SOT23-6L	
U101	056G 662 13	IC AZC099-04S SOT23-6L	
U502	056G 662500	IC ESD AZ1045-04QU	
U501	056G 662500	IC ESD AZ1045-04QU	
U105	056G 662500	IC ESD AZ1045-04QU	
U104	056G 662500	IC ESD AZ1045-04QU	
U601	056G1124 3	IC PCM1754DBQR SSOP-16	
U403	056G1133 32	IC M24C04-WMN6TP SO8	
U106	056G1133 34	M24C02-WMN6TP	
U504	056G1133 34	M24C02-WMN6TP	
U107	056G1133 34	M24C02-WMN6TP	
U402	056G1133120	IC MX25L2025MC-12G 2MB SOP-8	
Q403	057G 417 12 T	KEC 2N3904S-RTK/PS	
Q405	057G 417 12 T	KEC 2N3904S-RTK/PS	
Q502	057G 417 12 T	KEC 2N3904S-RTK/PS	
Q503	057G 417 12 T	KEC 2N3904S-RTK/PS	
Q504	057G 417 12 T	KEC 2N3904S-RTK/PS	
Q701	057G 417 12 T	KEC 2N3904S-RTK/PS	
Q703	057G 417 13 T	KEC 2N3906S-RTK/PS	
Q404	057G 417 13 T	KEC 2N3906S-RTK/PS	
Q402	057G 417 13 T	KEC 2N3906S-RTK/PS	
Q401	057G 417 13 T	KEC 2N3906S-RTK/PS	
Q101	057G 417 13 T	KEC 2N3906S-RTK/PS	
Q702	057G 763 1	A03401 SOT23 BY AOS(A1)	
F802	061G 56A075 LT	SMD PTC 0.75A 1206L075.WR 1206	
F803	061G 56A075 LT	SMD PTC 0.75A 1206L075.WR 1206	
F804	061G 56A075 LT	SMD PTC 0.75A 1206L075.WR 1206	
R121	061G0402000	RST CHIPR 0 OHM +-5% 1/16W	
R122	061G0402000	RST CHIPR 0 OHM +-5% 1/16W	
R123	061G0402000	RST CHIPR 0 OHM +-5% 1/16W	
R124	061G0402000	RST CHIPR 0 OHM +-5% 1/16W	
R636	061G0402000	RST CHIPR 0 OHM +-5% 1/16W	
R615	061G0402000	RST CHIPR 0 OHM +-5% 1/16W	

R613	061G0402000	RST CHIPR 0 OHM +-5% 1/16W	
R508	061G0402000	RST CHIPR 0 OHM +-5% 1/16W	
R507	061G0402000	RST CHIPR 0 OHM +-5% 1/16W	
R506	061G0402000	RST CHIPR 0 OHM +-5% 1/16W	
R505	061G0402000	RST CHIPR 0 OHM +-5% 1/16W	
R504	061G0402000	RST CHIPR 0 OHM +-5% 1/16W	
R503	061G0402000	RST CHIPR 0 OHM +-5% 1/16W	
R125	061G0402000	RST CHIPR 0 OHM +-5% 1/16W	
R126	061G0402000	RST CHIPR 0 OHM +-5% 1/16W	
R127	061G0402000	RST CHIPR 0 OHM +-5% 1/16W	
R128	061G0402000	RST CHIPR 0 OHM +-5% 1/16W	
R136	061G0402000	RST CHIPR 0 OHM +-5% 1/16W	
R428	061G0402000	RST CHIPR 0 OHM +-5% 1/16W	
R432	061G0402000	RST CHIPR 0 OHM +-5% 1/16W	
R501	061G0402000	RST CHIPR 0 OHM +-5% 1/16W	
R502	061G0402000	RST CHIPR 0 OHM +-5% 1/16W	
R417	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R419	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R434	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R436	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R437	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R514	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R515	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R409	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R415	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R115	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R116	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R117	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R118	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R404	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R405	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R407	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R408	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R625	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W	
R624	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W	
R440	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W	
R438	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W	
R427	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W	
R425	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W	
R423	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W	

R416	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W	
R112	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W	
R111	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W	
R702	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W	
R518	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R519	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R609	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R610	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R611	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R619	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R701	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R703	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R704	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R706	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R707	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R711	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R826	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R827	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R828	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R853	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R854	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R119	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R129	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R401	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R402	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R406	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R411	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R412	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R413	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R424	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R426	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R429	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R430	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R431	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R433	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R439	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R449	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R513	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R833	061G0402104	RST CHIPR 100 KOHM +-5% 1/16W	
R816	061G0402104	RST CHIPR 100 KOHM +-5% 1/16W	

R803	061G0402104	RST CHIPR 100 KOHM +-5% 1/16W	
R802	061G0402104	RST CHIPR 100 KOHM +-5% 1/16W	
R622	061G0402104	RST CHIPR 100 KOHM +-5% 1/16W	
R620	061G0402104	RST CHIPR 100 KOHM +-5% 1/16W	
R825	061G0402105	RST CHIPR 1MOHM +-5% 1/16W	
R822	061G0402120 2F	RST CHIPR 0402 12K OHM +-1% 1/16W	
R516	061G0402122	RST CHIP 1K2 1/16W 5%	
R414	061G0402151	RST CHIP 150R 1/16W 5%	
R830	061G0402153	RST CHIP 15K 1/16W 5%	
R831	061G0402153	RST CHIP 15K 1/16W 5%	
R832	061G0402153	RST CHIP 15K 1/16W 5%	
R617	061G0402183	RST CHIP 18K 1/16W 5%	
R616	061G0402183	RST CHIP 18K 1/16W 5%	
R608	061G0402183	RST CHIP 18K 1/16W 5%	
R607	061G0402183	RST CHIP 18K 1/16W 5%	
R606	061G0402220	RST CHIPR 22 OHM +-5% 1/16W	
R604	061G0402220	RST CHIPR 22 OHM +-5% 1/16W	
R603	061G0402220	RST CHIPR 22 OHM +-5% 1/16W	
R601	061G0402220	RST CHIPR 22 OHM +-5% 1/16W	
R114	061G0402222	RST CHIPR 2.2 KOHM +-5% 1/16W	
R113	061G0402222	RST CHIPR 2.2 KOHM +-5% 1/16W	
R614	061G0402223	RST CHIPR 22 KOHM +-5% 1/16W	
R612	061G0402223	RST CHIPR 22 KOHM +-5% 1/16W	
R605	061G0402223	RST CHIPR 22 KOHM +-5% 1/16W	
R602	061G0402223	RST CHIPR 22 KOHM +-5% 1/16W	
R709	061G0402223	RST CHIPR 22 KOHM +-5% 1/16W	
R705	061G0402223	RST CHIPR 22 KOHM +-5% 1/16W	
R120	061G0402223	RST CHIPR 22 KOHM +-5% 1/16W	
R509	061G0402273	RST CHIP 27K 1/16W 5%	
R101	061G0402330	RST CHIPR 33 OHM +-5% 1/16W	
R102	061G0402330	RST CHIPR 33 OHM +-5% 1/16W	
R103	061G0402330	RST CHIPR 33 OHM +-5% 1/16W	
R418	061G0402390 0F	RST CHIP 390R 1/16W 1%	
R443	061G0402392	RST CHIP 3.9K 1/16W 5%	
R442	061G0402392	RST CHIP 3.9K 1/16W 5%	
R441	061G0402392	RST CHIP 3.9K 1/16W 5%	
R104	061G0402471	RST CHIPR 470 OHM +-5% 1/16W	
R517	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W	
R512	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W	
R511	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W	

R421	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W	
R420	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W	
R135	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W	
R134	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W	
R133	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W	
R132	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W	
R131	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W	
R130	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W	
R710	061G0402473	RST CHIPR 47 KOHM +-5% 1/16W	
R450	061G0402512	RST CHIP 5K1 1/16W 5%	
R708	061G0402563	RST CHIP 56K 1/16W 5%	
R108	061G0402680	RST CHIP 68R 1/16W 5%	
R109	061G0402680	RST CHIP 68R 1/16W 5%	
R110	061G0402680	RST CHIP 68R 1/16W 5%	
R105	061G0402750	RST CHIPR 75 OHM +-5% 1/16W	
R106	061G0402750	RST CHIPR 75 OHM +-5% 1/16W	
R107	061G0402750	RST CHIPR 75 OHM +-5% 1/16W	
R621	061G0402751	RST CHIP 750R 1/16W 5%	
R623	061G0402751	RST CHIP 750R 1/16W 5%	
FB103	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
FB102	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
FB101	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
FB606	061G0805000	RST CHIPR 0 OHM +-5% 1/8W	
R626	061G0805479	RST CHIP 4R7 1/8W 5%	
R448	061G1206331	RST CHIPR 330 OHM +-5% 1/4W	
C812	065G0402102 32	1000PF +-10% 50V X7R	
C623	065G0402102 32	1000PF +-10% 50V X7R	
C622	065G0402102 32	1000PF +-10% 50V X7R	
C612	065G0402102 32	1000PF +-10% 50V X7R	
C611	065G0402102 32	1000PF +-10% 50V X7R	
C104	065G0402102 32	1000PF +-10% 50V X7R	
C403	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C413	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C415	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C817	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C814	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C813	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C808	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C806	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C805	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	

C715	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C714	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C709	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C708	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C705	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C704	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C701	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C616	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C614	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C601	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C501	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C437	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C436	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C434	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C433	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C432	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C431	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C416	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C417	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C418	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C419	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C421	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C423	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C430	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C404	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C405	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C406	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C407	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C409	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C410	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C411	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C412	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C852	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C831	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C829	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C826	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C824	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C820	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C819	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C818	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	

C402	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C112	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C604	065G0402105 A5	CAP 0402 1UF K 10V X5R	
C606	065G0402105 A5	CAP 0402 1UF K 10V X5R	
C617	065G0402105 A5	CAP 0402 1UF K 10V X5R	
C618	065G0402105 A5	CAP 0402 1UF K 10V X5R	
C619	065G0402105 A5	CAP 0402 1UF K 10V X5R	
C620	065G0402105 A5	CAP 0402 1UF K 10V X5R	
C624	065G0402105 A5	CAP 0402 1UF K 10V X5R	
C802	065G0402105 A5	CAP 0402 1UF K 10V X5R	
C109	065G0402220 31	CHIP 22PF 50V NPO	
C110	065G0402220 31	CHIP 22PF 50V NPO	
C426	065G0402220 31	CHIP 22PF 50V NPO	
C428	065G0402220 31	CHIP 22PF 50V NPO	
C607	065G0402220 31	CHIP 22PF 50V NPO	
C608	065G0402220 31	CHIP 22PF 50V NPO	
C609	065G0402220 31	CHIP 22PF 50V NPO	
C610	065G0402220 31	CHIP 22PF 50V NPO	
C115	065G0402224A5T	MLCC 0402 0.22UF K 10V X	
C114	065G0402224A5T	MLCC 0402 0.22UF K 10V X	
C710	065G0402224A5T	MLCC 0402 0.22UF K 10V X	
C502	065G0402224A5T	MLCC 0402 0.22UF K 10V X	
C429	065G0402224A5T	MLCC 0402 0.22UF K 10V X	
C424	065G0402224A5T	MLCC 0402 0.22UF K 10V X	
C828	065G0402330 31	CHIP CAP 0402 33PF J 50V NPO	
C815	065G0402330 31	CHIP CAP 0402 33PF J 50V NPO	
C107	065G0402473 12	CHIP 0.047UF 16V X7R	
C106	065G0402473 12	CHIP 0.047UF 16V X7R	
C105	065G0402473 12	CHIP 0.047UF 16V X7R	
C103	065G0402473 12	CHIP 0.047UF 16V X7R	
C102	065G0402473 12	CHIP 0.047UF 16V X7R	
C101	065G0402473 12	CHIP 0.047UF 16V X7R	
C832	065G0805475 15	CHIP 4.7UF 16V X5R	
C830	065G0805475 15	CHIP 4.7UF 16V X5R	
C816	065G0805475 15	CHIP 4.7UF 16V X5R	
FB825	071G 56K121	CHIP BEAD	
FB401	071G 56K121	CHIP BEAD	
FB402	071G 56K121	CHIP BEAD	
FB403	071G 56K121	CHIP BEAD	
FB404	071G 56K121	CHIP BEAD	

FB405	071G 56K121	CHIP BEAD	
FB601	071G 56K121	CHIP BEAD	
FB603	071G 56K121	CHIP BEAD	
FB604	071G 56K121	CHIP BEAD	
FB605	071G 56K121	CHIP BEAD	
FB803	071G 56K121	CHIP BEAD	
FB804	071G 56K121	CHIP BEAD	
FB805	071G 56K121	CHIP BEAD	
FB821	071G 56K121	CHIP BEAD	
FB822	071G 56K121	CHIP BEAD	
FB823	071G 56K121	CHIP BEAD	
FB824	071G 56K121	CHIP BEAD	
FB104	071G 59B121	TB160808B	
FB107	071G 59B600 J	CHIP BEAD 0603 60OHM JKMT	
FB106	071G 59B600 J	CHIP BEAD 0603 60OHM JKMT	
FB105	071G 59B600 J	CHIP BEAD 0603 60OHM JKMT	
L801	073G253S 6 R	SMD CHOKE 90 OHM 0805	
L802	073G253S 6 R	SMD CHOKE 90 OHM 0805	
L803	073G253S 6 R	SMD CHOKE 90 OHM 0805	
L851	073G253S 6 R	SMD CHOKE 90 OHM 0805	
CN501	088G 340 19CHA	HDMI HEADER 19P	
D101	093G 64 42 P	BAV70 SOT23 BY PAN JIT	
D102	093G 64 42 P	BAV70 SOT23 BY PAN JIT	
D501	093G 64 42 P	BAV70 SOT23 BY PAN JIT	
D401	093G 6432V	LL4148-GSO8	
D803	093G 6432V	LL4148-GSO8	
ZD502	093G 39S 24 T	RLZ 5.6B LLDS	
ZD501	093G 39S 24 T	RLZ 5.6B LLDS	
ZD405	093G 39S 24 T	RLZ 5.6B LLDS	
ZD404	093G 39S 24 T	RLZ 5.6B LLDS	
ZD403	093G 39S 24 T	RLZ 5.6B LLDS	
ZD402	093G 39S 24 T	RLZ 5.6B LLDS	
ZD401	093G 39S 24 T	RLZ 5.6B LLDS	
ZD104	093G 39S 24 T	RLZ 5.6B LLDS	
ZD103	093G 39S 24 T	RLZ 5.6B LLDS	
ZD102	093G 39S 24 T	RLZ 5.6B LLDS	
ZD101	093G 39S 24 T	RLZ 5.6B LLDS	
	715G3155 E	MAIN BOARD PCB	
U804	056G1133 34	M24C02-WMN6TP	
R812	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	

R813	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R814	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
CN603	033G3802 4	WAFER EH-4	
	040G 45762412B	CBPC LABEL	
	CNPC8QA1	CNPC BOARD	
CN861	033G3802 8H	WAFER 8P RIGHT ANGLE PITCH 2.0	
CN862	088G 352 7A ST	USB CONNECTOR A TYPE REVERSE	
CN863	088G 352 7A ST	USB CONNECTOR A TYPE REVERSE	
C862	065G601M104 7T	0.1UF +-20% 50V Y5V	
C861	065G601M104 7T	0.1UF +-20% 50V Y5V	
	715G3158 E	USB BOARD PCB	
	CNPC8QA2	CNPC BOARD	
CN652	033G3802 5H	WAFER 5P RIGHT ANGLE PITCH	
CN651	088G 30232C	PHONE JACK 3.5MM BLACK 5PIN	
R653	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
R654	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
R651	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
R652	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
C653	065G0603103 32	CAP CHIP 0603 0.01UF K 50V X7R	
C652	065G0603103 32	CAP CHIP 0603 0.01UF K 50V X7R	
C651	065G0603103 32	CAP CHIP 0603 0.01UF K 50V X7R	
	715G3159 E E	EAR BOARD PCB	
	CNPC8QA3	CNPC BOARD	
CN851	033G3802 6H	WAFER 6P RIGHT ANGLE PITCH 2.0	
CN852	088G 352 7A ST	USB CONNECTOR A TYPE REVERSE	
C851	065G601M104 7T	0.1UF +-20% 50V Y5V	
	715G3159 E U	USB BOARD PCB	
	KEPC8QX2	KEY BOARD	
CN002	033G8032 4F HR	CONNECTOR	
CN001	033G8032 6F HR	CONNECTOR	
R006	061G06031801FY	RST CHIPR 1.8KOHM +-1% 1/10W YAGEO	
R004	061G06031801FY	RST CHIPR 1.8KOHM +-1% 1/10W YAGEO	
R003	061G06031801FY	RST CHIPR 1.8KOHM +-1% 1/10W YAGEO	
R007	061G0603300 1F	RST CHIPR 3 KOHM +-1% 1/10W	
R005	061G0603300 1F	RST CHIPR 3 KOHM +-1% 1/10W	
R002	061G0603300 1F	RST CHIPR 3 KOHM +-1% 1/10W	
C008	065G0603104 32	CHIP 0.1UF 50V X7R	
C009	065G0603104 32	CHIP 0.1UF 50V X7R	
C010	065G0603104 32	CHIP 0.1UF 50V X7R	
C011	065G0603104 32	CHIP 0.1UF 50V X7R	

C007	065G0603104 32	CHIP 0.1UF 50V X7R	
SW002	077G 607 1 FD	TACT SWITCH	
SW003	077G 607 1 FD	TACT SWITCH	
SW004	077G 607 1 FD	TACT SWITCH	
SW005	077G 607 1 FD	TACT SWITCH	
SW001	077G 607 1 FD	TACT SWITCH	
ZD001	093G 39S 34 T	UDZSNP5.6B ROHM	
ZD002	093G 39S 34 T	UDZSNP5.6B ROHM	
ZD003	093G 39S 34 T	UDZSNP5.6B ROHM	
ZD004	093G 39S 34 T	UDZSNP5.6B ROHM	
ZD005	093G 39S 34 T	UDZSNP5.6B ROHM	
	715G3169 D	KEY BOARD PCB	
	KEPC8QX3	KEY BOARD	
CN001	033G8032 4F HR	CONNECTOR	
C003	065G0603104 32	CHIP 0.1UF 50V X7R	
SW001	077G 607 1 FD	TACT SWITCH	
LED001	081G 14501 EL	CHIP LED YELLOW/YELLOW GREEN	
ZD001	093G 39S 34 T	UDZSNP5.6B ROHM	
	715G3170 E	POWER KEY BOARD PCB	
	PWPC8E41AAB6	POWER BOARD	
	040G 45762412B	CBPC LABEL	
CN804	033G8021 2E F	WAFER	
CN803	033G8021 2E F	WAFER	
CN802	033G8021 2E F	WAFER	
CN801	033G8021 2E F	WAFER	
	051G 6 4503	GLUE_RTV	
U903	056G 139 3A	IC PC123Y22FZ0F	
NR901	061G 58 9T	RST NTCR 10 OHM +-20% 5A THINKING	
C903	063G107K474 6S	CAP X2 0.47UF K 275VAC	
C901	065G306M1022BP	1000PF Y1.CAP	
C902	065G306M1022BP	1000PF Y1.CAP	
C900	065G306M3322BP	3300PF 20%	
C917	067G 215681 4N GP	105℃ 680UF +-20% 25V GP	
C906	067G 41Y10115K	EC 100UF M 450V 20*36MM	
C824	067G215D4714KV	E.C 105℃ CAP 470UF M 25V ED SERIES	
C804	067G215D4714KV	E.C 105℃ CAP 470UF M 25V ED SERIES	
C918	067G215D6814KV	CAP 105℃ 680UF M 25V	
C905	067G215L10115N	EC CAP 105℃ 100UF 450V	
C939	067G215L102 3N	KY16VB1000M-L 10*16	
C916	067G215S1023KV	105℃ 1000UF M 16V	

C940	067G215S1024KV	EC 105°C CAP 1000UF M 25V	
C915	067G215V471 3N	EC CAP 105°C 470UF M 16V NCC	
L906	073G 54229 5	PEAKING COIL 2.2UH 5%1/4W	
L903	073G 253 91 L	CHOKE BY LI TA	
L904	073G 253 91 L	CHOKE BY LI TA	
L905	073G 253 91 L	CHOKE BY LI TA	
L902	073L 174 40 HG	GBQM4.778.391	
CN901	087G 501 32 S	AC SOCKET	
BD901	093G 50460900	BRIDGE DIODE GBU408 LITEON	
D909	093G3006 1	31DQ06FC	
CN902	095G 82010D 2	HARNESS 10P(SAN)-10P 200MM	
	705GQ857007	Q901 ASS'Y	
Q901	057G 667 21	STP10NK70ZFP	
HS3	090G6064 1	HEAT SINK	
	0M1G1730 8120	SCREW	
	705GQ893009	D906 ASS'Y	
D906	093G 60238	FCH10A15	
	0M1G1730 8120	SCREW	
HS4	Q90G6264 5	HEAT SINK	
	705GQ893038	D907/D908 ASS'Y	
D907	093G 60251	FCQ10U06	
D908	093G 60251	FCQ10U06	
	0M1G1730 8120	SCREW	
HS2	Q90G6241 1 GP	HEAT SINK	
U901	056G 379107	IC LD7575A PS SOP-8	
U801	056G 608 12	IC TA9687GN-A-0-TR SOP-16	
Q903	057G 417 4	PMBS3904/PHILIPS-SMT(04)	
Q805	057G 600 61	AM4502C-TI-PF S0-8	
Q806	057G 600 61	AM4502C-TI-PF S0-8	
Q802	057G 759 2A	TANSISTOR 2N7002 SOT-23	
R942	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W	
R926	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W	
R805	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R807	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R801	061G0603105	RST CHIPR 1M OHM +-5% 1/10W	
R806	061G0603105	RST CHIPR 1M OHM +-5% 1/10W	
R809	061G0603105	RST CHIPR 1M OHM +-5% 1/10W	
R930	061G0603243 1F	RST CHIPR 2.43K OHM +-1% 1/10W	
R927	061G0603270 1F	RST CHIPR 2.7 KOHM +-1% 1/10W	
R808	061G0603300 0F	RST CHIPR 0603 300 OHM +-1% 1/10W	

R826	061G0603430 0F	RST CHIPR 430 OHM +-1% 1/10W	
R810	061G0603750 2F	RST CHIPR 75KOHM +-1% 1/10W	
R811	061G0603820 2F	RST CHIPR 82 KOHM +-1% 1/10W	
R906	061G0805100	10 OHM 1/10W	
R939	061G0805102	RST CHIPR 1K OHM +-5% 1/8W	
R925	061G0805102	RST CHIPR 1K OHM +-5% 1/8W	
R820	061G0805103	RST CHIPR 10K OHM +-5% 1/8W	
R821	061G0805103	RST CHIPR 10K OHM +-5% 1/8W	
R822	061G0805103	RST CHIPR 10K OHM +-5% 1/8W	
R823	061G0805103	RST CHIPR 10K OHM +-5% 1/8W	
R938	061G0805103	RST CHIPR 10K OHM +-5% 1/8W	
R915	061G0805104	RST CHIPR 100K OHM +-5% 1/8W	
R825	061G0805105	RST CHIPR 1M OHM +-5% 1/8W	
R812	061G0805123	RST CHIPR 12 KOHM +-5% 1/8W	
R924	061G0805151	RST CHIPR 150 OHM +-5% 1/8W	
R813	061G0805183	RST CHIPR 18 KOHM +-5% 1/8W	
R802	061G0805220	RST CHIPR 22 OHM +-5% 1/8W	
R815	061G0805223	RST CHIPR 22 KOHM +-5% 1/8W	
R943	061G0805471	RST CHIPR 470 OHM +-5% 1/8W	
R824	061G0805511	RST CHIPR 510 OHM +-5% 1/8W	
R827	061G0805511	RST CHIPR 510 OHM +-5% 1/8W	
R803	061G0805512	RST CHIPR 5.1 KOHM +-5% 1/8W	
R804	061G0805512	RST CHIPR 5.1 KOHM +-5% 1/8W	
R814	061G0805752	RST CHIPR 7.5 KOHM +-5% 1/8W	
RJ801	061G1206000	RST CHIPR 0 OHM +-5% 1/4W	
RJ802	061G1206000	RST CHIPR 0 OHM +-5% 1/4W	
RJ803	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	
R910	061G1206100	RST CHIPR 10 OHM +-5% 1/4W	
R962	061G1206101	RST CHIPR 100 OHM +-5% 1/4W	
R961	061G1206101	RST CHIPR 100 OHM +-5% 1/4W	
R951	061G1206101	RST CHIPR 100 OHM +-5% 1/4W	
R950	061G1206101	RST CHIPR 100 OHM +-5% 1/4W	
R949	061G1206101	RST CHIPR 100 OHM +-5% 1/4W	
R935	061G1206101	RST CHIPR 100 OHM +-5% 1/4W	
R920	061G1206101	RST CHIPR 100 OHM +-5% 1/4W	
R919	061G1206101	RST CHIPR 100 OHM +-5% 1/4W	
R918	061G1206101	RST CHIPR 100 OHM +-5% 1/4W	
R816	061G1206105	1M 1206	

R817	061G1206105	1M 1206	
R818	061G1206105	1M 1206	
R819	061G1206105	1M 1206	
R901	061G1206105	1M 1206	
R902	061G1206105	1M 1206	
R912	061G1206221	RST CHIPR 220 OHM +-5% 1/4W	
R909	061G1206519	RST CHIPR 5.1 OHM +-5% 1/4W	
R905	061G1206822	RST CHIPR 8.2 KOHM +-5% 1/4W	
R904	061G1206822	RST CHIPR 8.2 KOHM +-5% 1/4W	
C932	065G0603102 32	1000PF +-10% 50V X7R	
C803	065G0603103 32	CAP CHIP 0603 0.01UF K 50V X7R	
C812	065G0603104 22	CAP CHIP 0603 0.1UF K 25V X7R	
C816	065G0603181 31	CHIP 180PF 50V	
C815	065G0603181 31	CHIP 180PF 50V	
C814	065G0603181 31	CHIP 180PF 50V	
C813	065G0603181 31	CHIP 180PF 50V	
C809	065G0603221 31	CER1 0603 NP0 50V 220PF	
C810	065G0603332 32	CHIP 0.0033UF 50V X7R 0603	
C805	065G0603473 32	CHIP 0.047UF 50V X7R	
C808	065G0603473 32	CHIP 0.047UF 50V X7R	
C930	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R	
C924	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R	
C907	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R	
C823	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R	
C811	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R	
C931	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R	
C909	065G0805221 32	CHIP 220PF 50V X7R 0805	
C806	065G0805225 12	CAP CHIP 0805 2.2UF K 16V X7R	
C818	065G0805225 12	CAP CHIP 0805 2.2UF K 16V X7R	
C928	065G0805471 31	CHIP 470PF 50V NPO	
C801	065G0805473 32	CHIP 0.047UF 50V X7R	
C802	065G0805473 32	CHIP 0.047UF 50V X7R	
C912	065G1206102 72	CAP CHIP 1206 1000PF K 500V X7R	
C929	065G1206102 72	CAP CHIP 1206 1000PF K 500V X7R	
C935	065G1206102 72	CAP CHIP 1206 1000PF K 500V X7R	
D806	093G 64 33	DIO SIG SM BAV99 (PHSE)R	
D805	093G 64 33	DIO SIG SM BAV99 (PHSE)R	
D803	093G 64 42 P	BAV70 SOT23 BY PAN JIT	
D804	093G 64 42 P	BAV70 SOT23 BY PAN JIT	
D801	093G 64 42 PP	BAV70 SOT-23	

D802	093G 64 42 PP	BAV70 SOT-23	
D905	093G 64 42 PP	BAV70 SOT-23	
CN901	006G 31500	EYELET	
NR901	006G 31502	1.5MM RIVET	
T901	006G 31502	1.5MM RIVET	
U904	056G 158 12	KIA431A-AT/P TO-92	
R903	061G152M10452T	RST MOFR 100KOHM +-5% 2WS	
R964	061G152M15152T	RST MOFR 150 OHM +-5% 2WS	
R914	061G152M33852T	RST MOFR 0.33 OHM +-5% 2WS	
C911	065G 2K152 2T6921	CAP CER 1500PF K 2KV Y5P	
C908	067G215Y4707KT	47UF 50V	
FB902	071G 55 29	FERRITE BEAD	
FB901	071G 55 29	FERRITE BEAD	
F901	084G 56 4W	FUSE 4.0A 250V	
ZD902	093G 3916752T	MTZJ T-72 16B	
ZD921	093G 3916752T	MTZJ T-72 16B	
ZD922	093G 3959652T	GDZJ5.6B	
ZD803	093G 3959652T	GDZJ5.6B	
ZD802	093G 3959652T	GDZJ5.6B	
D900	093G 6026T52T	RECTIFIER DIODE FR107	
D901	093G 6038T52T	FR103	
D809	093G 64 1152T	1N4148	
D903	093G 64 1152T	1N4148	
	715G3157 1	POWER BOARD PCB	
L802	S73G174135V	COMMON FILTER CHOKE 300MH 30%	
L801	S73G174135V	COMMON FILTER CHOKE 300MH 30%	
T901	S80GL24T18V	XFMR POWER 530UH TPV-PT	
PT801	S80GL24T19V	XFMR POWER 78.5UH TPV-PT	
	Q34FPE22P01	CASE EE2244	
	Q23G3178881 3A	LOGO	
	Q44GK013101	EPS	
	Q44GK013201	EPS	
	Q45G 88609146	EPE BAG	
	Q45G 88609164	EPE BAG	
	Q44GK013881 2A	24 LCD CARTON	
	017G WCM 8 C	BENQ-ASSIGN WEBCAM MODULE C15D	
	078G 511 1 V	SPK 8OHM 2W 54.6X14MM 500 360 VECO	
	705GQ834561	24"LCD STAND BASE ASS'Y	
	A34G0857AFD 1B0100	STAND_F	
	A34G0858BCN 1B0100	STAND_B	

	A34G0860AFD 1B0100	PLATE_BASE	
	A33G0474BCN 1L0100	COVER_HOOK	
	A37G0091 1	HINGE_ASSY	
	A15G0461101	BKT_BASE	
	Q12G6600 6	FOOT	
	0M1G1740 10120	SCREW 42A9940008	
	0Q1G 130 8120	SCREW 42A9930011	
	0Q1G1040 10120	SCREW	
	A34G0859BCN 1B0133	BASE	
E08901	089G404A18N IS	POWER CORD/32E1818018	
E08901	089G404A18N YH	POWER CORD(32E1818018/32-D022217)	2nd source
	052G 1211 B	AL TAPE	
	Q41G780088125A	QSG FOR M2400HD	
	Q41G7800881 5A	SAFETY_INSTRUCTIONS 4J.L2V03.001	
	Q45G 76 28A35	PE BAG	
	Q41G780088127A	WARRANTY CARD FOR EMEA M2400HD/E2400HD	
	Q70G2401881 1A	CD MANUAL FOR M2400HD/E2400HD	
	050G 600 2	HANDLE1	
	050G 600 3	HANDLE2	
	050G 600 1 W	WHITE STRAP	
	Q52G 1185 80	BIG TAPE FOR BENQ CARTON	
	040G 58162435A	P/N LABEL FOR MANUAL PE BAG	
	Q40G 24N881 2A	RATING LABEL	
	Q40G0001881 2A	CARTON LABEL	
	Q40G0002881 3A	LABEL FOR CARTON	
	Q40G0002881 4A	MARKETING LABEL	

**Different Part List**

<b>Diversity of TKRAA2NDW2BQPN(China) Compared with TKRAA2NBW2BQPN(Europe)</b>			
<b>Location</b>	<b>Part No.</b>	<b>Description</b>	<b>Remark</b>
	089G414A18N IS	POWER CORD 32E1818021	
	089G414A18N YH	POWER CORD(32E1818021)	2 <sup>nd</sup> source
	Q41G7800881 2A	(4J.06L03.001)CERTIFICATE	
	Q41G780088126A	WARRANTY CARD FOR M2400HD/E2400HD	
	Q40G 24N881 1A	RATING LABEL	
	Q40G0001881 1A	CARTON LABEL	
	040G 581881 4A	WARRANTY LABEL	
	Q40G0001881 4A	S/N LABEL	