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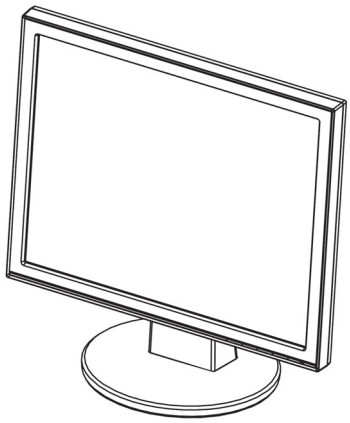


Service Manual

Horizontal Frequency
30-82 KHz

TABLE OF CONTENTS

Description	Page	Description	Page
Table Of Contents	1	6.Schematic	20
Revision List	2	6.1.Main Board	20
Important Safety Notice	3	6.2.Power Board	24
1.Monitor Specification	4	6.3. Audio Board	26
2.LCD Monitor Description	5	7.PCB Layout	27
3.Operation Instruction	6	7.1.Main Board	27
3.1.General Instructions	6	7.2.Power Board	30
3.2.Control Button	6	7.3.Audio Board	32
3.3.OSD Menu	7	7.4.Key Board	32
4.Input/Output Specification	11	8.Maintainability	33
4.1.Input Signal Connector	11	8.1.Equipments and Tools Requirement	33
4.2.Power Supply Requirements	11	8.2.Trouble Shooting	34
4.3.Factory Preset Display Modes	12	9.White-Balance, Luminance adjustment	40
4.4.Panel Specification	13	10.Monitor Explode View	42
5.Block Diagram	16	11.BOM List	43
5.1.Software Flow Chart	16	12.Different Part List	54
5.2.Electrical Block Diagram	18		

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 TRANSFOMER FOR THIS UNIT WHEN SERVICING

Revision List

Version	Release Date	Revision History	TPV Model Name
A00	Jul.27, 2007	Initial release	T77HMRDD8WUSAN
A01	Oct.22, 2007	Add new BOM in Item12	T77GMRHT8WUSAN
			T77HMRDD8WUSAZ
			T77HMRDT8WUSAN

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 may 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 radiation 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. Monitor Specifications

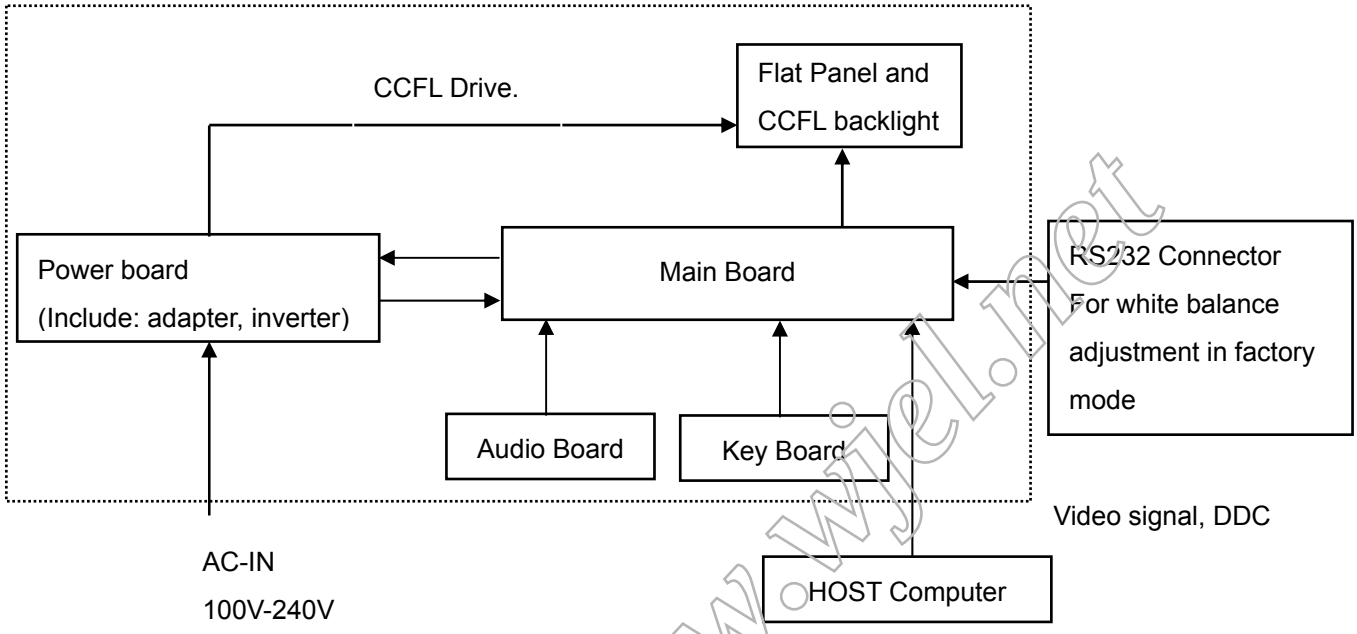
Panel Type	TFT LCD
Panel Size	17” wide screen
Max.Resolution	WXGA+1440x900
Brightness(Typ.)	250cd/m^2
Contrast Ratio(Typ.)	600:1
Viewing angle(H/V)≥ 10	160º/150º
Display Colors	16.2M
Response time	8ms (Tr+Tf)
SPLENDID™ Video Enhancement	Yes
SPLENDID™ selection	5 video preset modes (by hotkey)
Auto adjustment	Yes(by hotkey)
Color temperature selection	5 colors temperatures
Skin-Tone selection	3skin-tones
Digital input	N/A
Analog input	D-Sub
Audio-in port	3.5 mm Mini-jack (VW171S only)
Colors	Black
Speaker(Built-in)	1W x2 stereo (VW171S only)
Power LED	Blue(On)/ Amber(Standby)
VESA wall mount	100mm x 100 mm（purchased separately）
Tilt	+20° ~ -5°
Kensington lock	Yes
Voltage rating	AC: 100~240V
Physical Dimension(W xH	408x341x210mm
Box Dimension (W x H x D)	469x412x150mm
Net Weight(Esti.)	3.3kg
Gross Weight(Esti.)	5.3kg

2. LCD Monitor Description

The LCD monitor will contain a main board, an audio board, a power board and a key board which house the flat panel control logic, brightness control logic and DDC.

The power board will provide AC to DC Inverter voltage to drive the backlight of panel and the main board chips each voltage.

Monitor Block Diagram



3. Operating Instructions

3.1 General Instructions

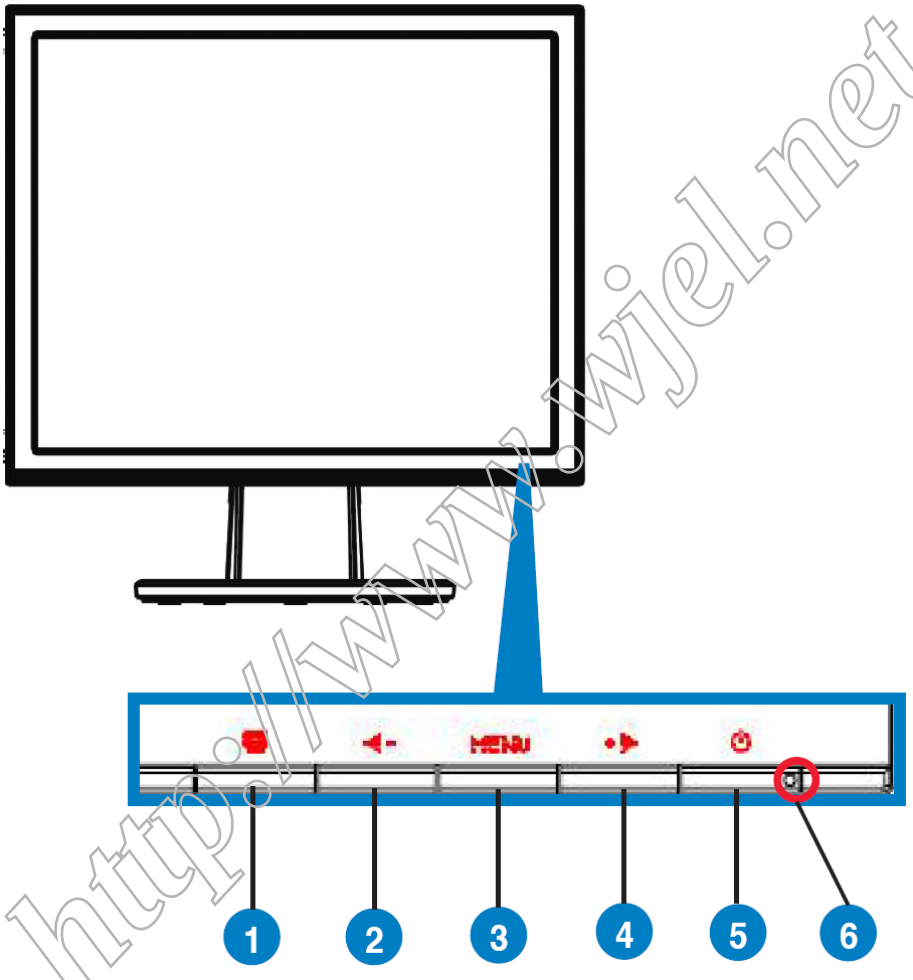
Press the power button to turn the monitor on or off. The other control buttons are located at the front of the panel of the monitor.

By changing these settings, the picture can be adjusted to your personal preferences.

- The power cord should be connected.
- Connect the video cable from the monitor to the video card.
- Press the power button to turn on the monitor, the power indicator will light up.

3.2 Control Buttons

3.2.1 Key Control



3.2.2 Key Function

1. S button:
   - Automatically adjust the image to its optimized position, clock, and phase by long pressing this button for 2-4 seconds (for VGA mode only).
   - Use this hotkey to switch from five video preset modes (Game Mode, Night View Mode, Scenery Mode, Standard Mode, Theater Mode) with SPLENDID™ Video Enhancement Technology.
   - Exit the OSD menu or go back to the previous menu as the OSD menu is active.

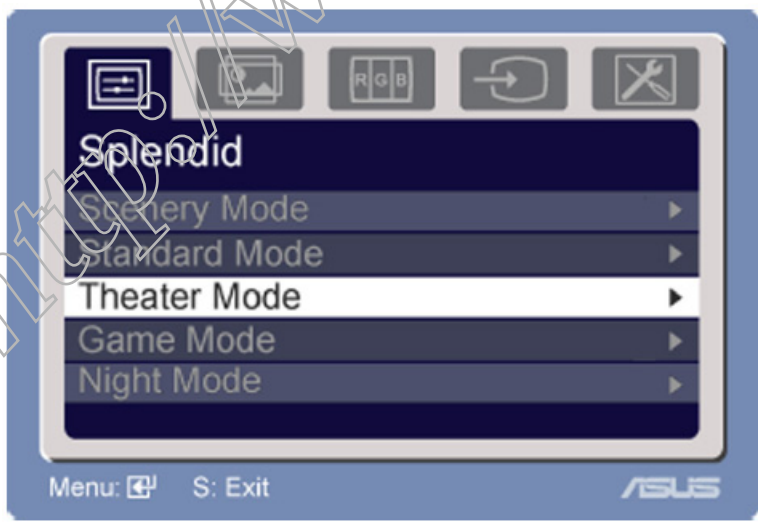
2. – Button:
   - Press this button to decrease the value of the function selected or move to the previous fuction.
   - This is also a hotkey for Volume adjustment.

3. MENU Button:
   - Press this button to enter/select the icon (function) highlighted while the OSD menu is activated.

4. + Button:
   - Press this button to increase the value of the function selected or move to the next fuction.
   - This is also a hotkey for Brightness adjustment.

3.3 OSD Menu

3.3.1 How to Reconfigure



1. Press the MENU button to activate the OSD menu.

2. Press – and + to navigate through the functions. Highlight and activate the desired function by pressing the MENU button. If the function selected has a sub-menu, press + and - again to navigate through the sub-menu functions. Highlight and activate the desired sub-menu function by pressing the MENU button.
3. Press – and + to change the settings of the selected function.
4. To exit the OSD menu, press the S button. Repeat step 2 and step 3 to adjust any other function.

3.3.2 OSD Function Introduction

1. Spendid

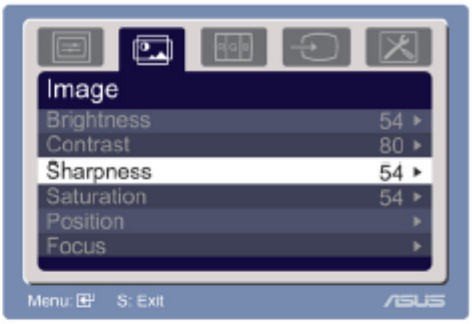
This function contains five sub-functions you can select for your preference. Each mode has the Reset selection, allowing you to maintain your setting or return to the preset mode.

- Brightness: the adjusting range is from 0 to 100. + is a hotkey to activate this function.
- Contrast: the adjusting range is from 0 to 100.
- Sharpness: the adjusting range is from 0 to 100.
- Saturation: the adjusting range is from 0 to 100.
- Position: adjusts the horizontal postition (H-Position) and the vertical position (V-Position) of the image. The adjusting range is from 0 to 100.
- Focus: reduces Horizonal-line noise and Vertical-line noise of the image by adjusting (Phase) and (Clock) separately. The adjusting range is from 0 to 100.

- Phase adjusts the phase of the pixel clock signal. With a wrong phase adjustment, the screen shows horizontal disturbances.
- Clock (pixel frequency) controls the number of pixels scanned by one horizontal sweep. If the frequency is not correct, the screen shows vertical stripes and the image is not proportional.

2. Image

You can adjust brightness, contrast, sharpness, saturation,position (VGA only), and focus (VGA only) from this main function.

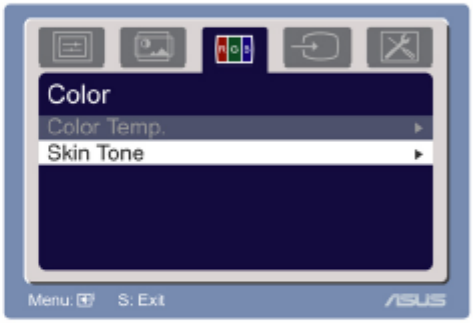


- Brightness: the adjusting range is from 0 to 100. + ▶ is a hotkey to activate this function.
- Contrast: the adjusting range is from 0 to 100.
- Sharpness: the adjusting range is from 0 to 100.
- Saturation: the adjusting range is from 0 to 100.
- Position: adjusts the horizontal postition (H-Position) and the vertical position (V-Position) of the image. The adjusting range is from 0 to 100.
- Focus: reduces Horizonal-line noise and Vertical-line noise of the image by adjusting (Phase) and (Clock) separately. The adjusting range is from 0 to 100.

- Phase adjusts the phase of the pixel clock signal. With a wrong phase adjustment, the screen shows horizontal disturbances.
- Clock (pixel frequency) controls the number of pixels scanned by one horizontal sweep. If the frequency is not correct, the screen shows vertical stripes and the image is not proportional.

3. Color

Select the image color you like from this function.

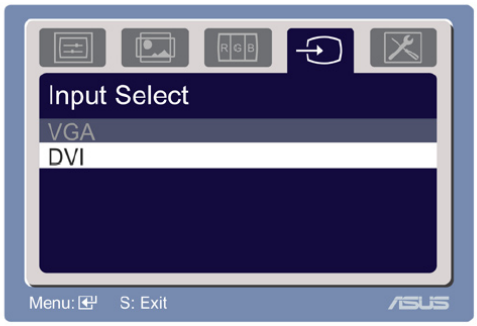


- Color Temp.: contains five color modes including Cool, Normal, Warm, sRGB, and User mode.
- Skin Tone: contains three color modes including Reddish, Natural, and Yellowish.

In the User mode, colors of R (Red), G (Green), and B (Bluee) are user-configurable; the adjusting range is from 0-100.

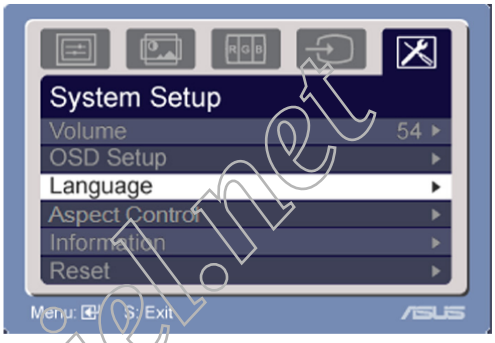
4. Input Select

In this function, you can select either VGA or DVI input source. (Only for some models)



5. System Setup

Allow you to adjust the system.

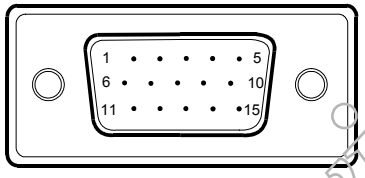


- Volume: the adjusting range is from 0 to 100. - is a hotkey to activate this function.
- OSD Setup: adjusts the horizontal postition (H-Position) and the vertical position (V-Position) of the OSD. The adjusting range is from 0 to 100. In the OSD Timeout selection, you can adjust the OSD timeout from 10 to 120.
- Language: there are ten languages for your selection, including English, German, Italian, French, Dutch, Spanish, Russian, Traditional Chinese, Simplified Chinese, Japanese, and Korean.
- Aspect Controls: adjusts the aspect ratio to “Full” or “4:3”.
- Information: shows the monitor information.
- Reset: “Yes” allows you to revert to the preset mode.

4. Input/ Output Specification

4.1 Input Signal Connector

Analog connectors

Pin No.	Description	Pin No.	Description
1.	Red Video	9.	+5V
2.	Green Video	10.	Logic Ground
3.	Blue Video	11.	Monitor Ground
4.	Monitor Ground	12.	DDC-Serial Data
5.	DDC-Return	13.	H-Sync
6.	Red Ground	14.	V-Sync
7.	Green Ground	15.	DDC-Serial Clock
8.	Blue Ground		
VGA connector layout			
			

4.2 Power Supply Requirements

A/C Line voltage range	100 V ~ 240 V
A/C Line frequency range	50 ± 3Hz, 60 ± 3Hz
Input Voltage transients	90-264 voltage AC for 10 sec @40℃
Current	1.5A max at 100V; 0.8A max at 240 V
Peak surge current	< 60A peak at 240 VAC and cold starting < 30A peak at 120VAC and cold starting
Leakage current	< 3.5mA
Power line surge	No advance effects (no loss of information or defect) with a maximum of 1 half-wave missing per second

4.3 Factory Preset Display Modes

Mode	Resolution Frequency	Horizontal Frequency	Vertical Frequency	Pixel
VGA	640 x 480	31.469KHz	60Hz	25.175MHz
	640 x 480	37.861KHz	72Hz	31.50MHz
	640 x 480	37.50KHz	75Hz	31.50MHz
SVGA	800 x 600	35.156KHz	56Hz	36.00MHz
	800 x 600	37.879KHz	60Hz	40.00MHz
	800 x 600	48.077KHz	72Hz	50.00MHz
	800 x 600	46.875KHz	75Hz	49.50MHz
XGA	1024 x 768	48.363KHz	60Hz	65.00MHz
	1024 x 768	56.476KHz	70Hz	75.00MHz
	1024 x 768	57.70KHz	72Hz	78.40MHz
	1024 x 768	60.023KHz	75Hz	78.75MHz
Mac	1152 x 864	67.5KHz	75Hz	108.00MHz
	1280 x 960	60KHz	60Hz	108.00MHz
SXGA	1280 x 1024	63.981KHz	60Hz	108.00MHz
	1280 x 1024	74.4KHz	70Hz	124.9MHz
	1280 x 1024	77.9KHz	72Hz	134.6MHz
	1280 x 1024	79.976KHz	75Hz	135.00MHz
WXGA+	1440 x 900	55.935KHz	60Hz	106.5MHz
	1440 x 900	70.635KHz	75Hz	136.75MHz

IBM modes

Mode	Resolution Frequency	Horizontal Frequency	Vertical Frequency	Pixel
DOS	640 x 350	31.469KHz	70Hz	25.175MHz
	720 x 400	31.469KHz	70Hz	28.322MHz

MAC modes

Mode	Resolution Frequency	Horizontal Frequency	Vertical Frequency	Pixel
VGA	640 x 480	35KHz	67Hz	30.24MHz
SVGA	832 x 624	49.725KHz	75Hz	57.2832MHz

*** Modes not listed in the above tables may not be supported. For optimal resolution, we recommend that you choose a mode listed in the above tables**

4.4 Panel Specification

4.4.1 General Features

_ 17.0 WXGA+ for Monitor application

_ High Resolution: 1440*900

_ 2-ch LVDS interface system

_ LCD Timing Controller

_ Wide Viewing Angle

_ RoHS compliance

4.4.2 General Specification

Item		Specification	Unit
Outline Dimension		389.2 x 254.5 x 11.5 (Typ)	mm
Display area		367.2 (H) x 229.5 (V)	mm
Number of Pixel		1440(H) x 900(V)	pixels
Pixel pitch		0.255(H) x 0.255(V)	mm
Pixel arrangement		RGB Vertical stripe	
Display color		16.2M (6-bit+FRC)	colors
Color Gamut		63% NTSC	
Display mode		Normally white	
Surface treatment		Antiglare (3H)	
Weight		1400	g
Back-light		2-CCFLs, Top & bottom edge side	
Input signal		2-ch LVDS	
Power Consumption	Logic System	TBD	W
	B/L System	TBD	W

4.4.3 Optical Characteristics

Item		Symbol	Condition	Min.	Typ.	Max.	Unit
Contrast		CR		-	600	-	
Response time	Rising	T_R		-	3	5	msec
	Falling	T_F		-	5	7	
White luminance (Center)		Y_L		-	250	-	cd/m^2
Color chromaticity (CIE1931)	Red	R_x	Θ=0 viewing angle - -		TBD		
		R_y			TBD		
	Green	G_x			TBD		
		G_y			TBD		
	Blue	B_x			TBD		
		B_y			TBD		
	White	W_x			0.310		
		W_y			0.330		
Viewing angle	Hor.	Θ_L	CR>10		(80)	-	
		Θ_R			(80)	-	
	Ver.	Θ_U			(80)	-	
		Θ_D			(80)	-	
Brightness uniformity		B_{UNi}	Θ=0	70	75	-	%

4.4.4 Electrical Characteristics

(1) TFT-LCD

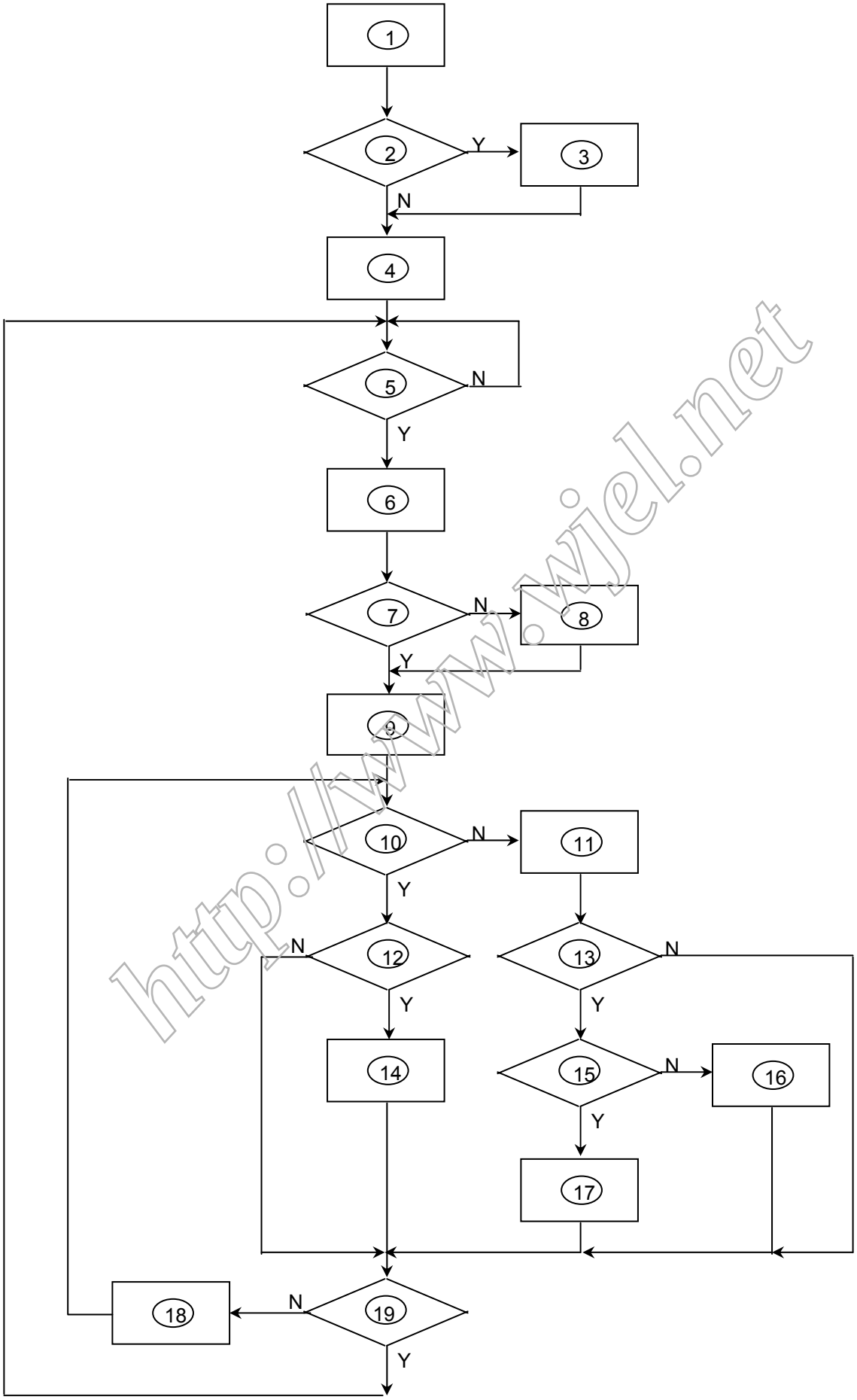
Item		Symbol	Min.	Typ.	Max.	Unit
Voltage of power supply		V_{DD}	4.5	5.0	5.5	V
Current of power supply	White	I_{DD0}		TBD		mA
	V-Color	I_{DD1}		TBD		mA
	Mosaic	I_{DD2}		TBD		mA
Vsync frequency		f_V	60	60	75	Hz
Hsync frequency		f_H	55.469	55.935	70.635	KHz
Frequency		f_{DCLK}	44.375	53.25	68.375	MHz
Input rush current		I_{Rush}	-	-	1.5	A

(2) Backlight

Item	Symbol	Min.	Typ.	Max.	Unit
Lamp current	IL	3.0	7.5	9.0	mA(rms)
Lamp voltage	VL	589.5	655	769.5	V(rms)
Frequency	fL	40	50	60	KHz
Operating lamp life time	Hr	40,000	-	-	Hour
Startup voltage	Vs	1200 1400	-	-	V(rms)

5. Block Diagram

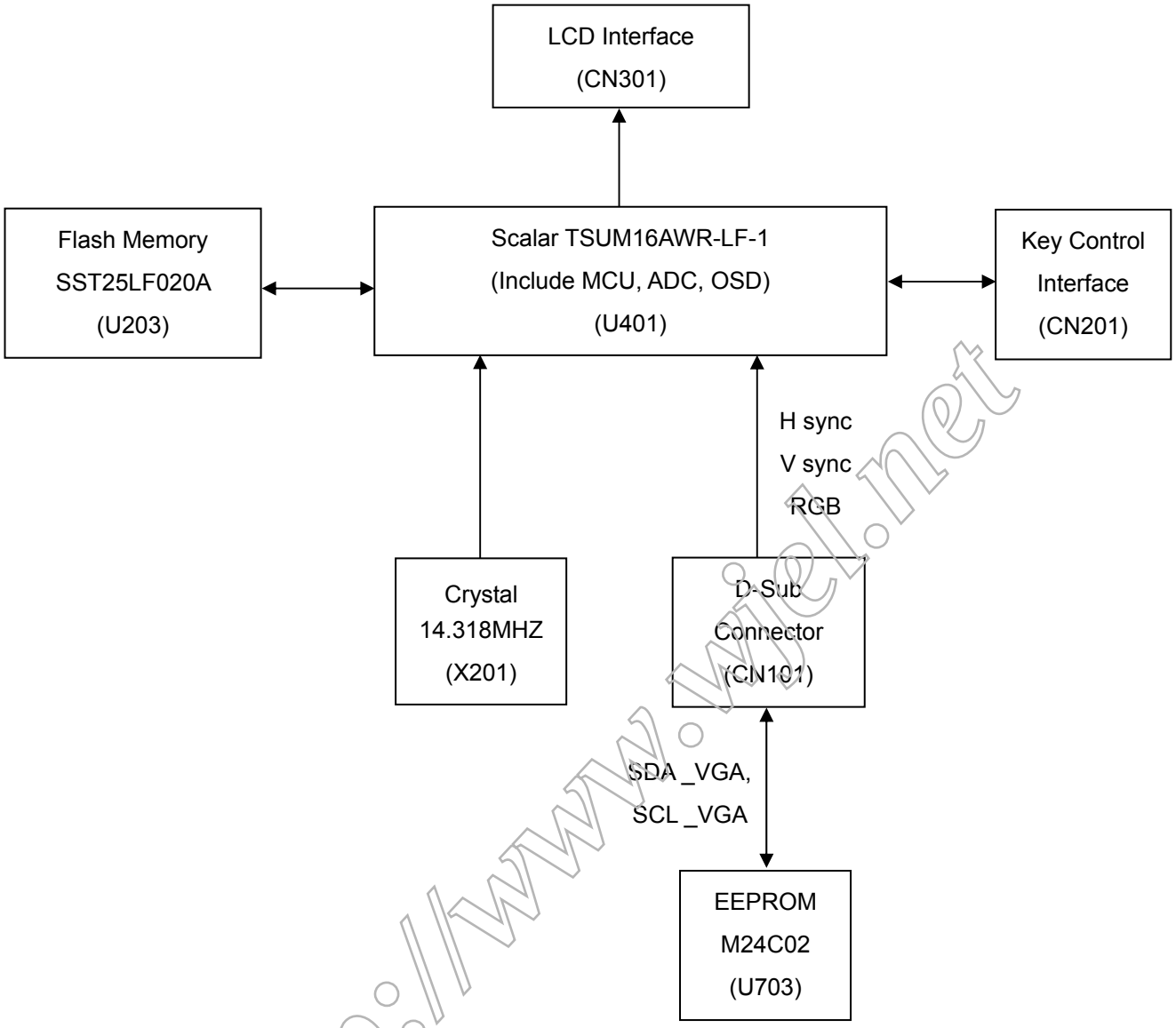
5.1 Software Flow Chat



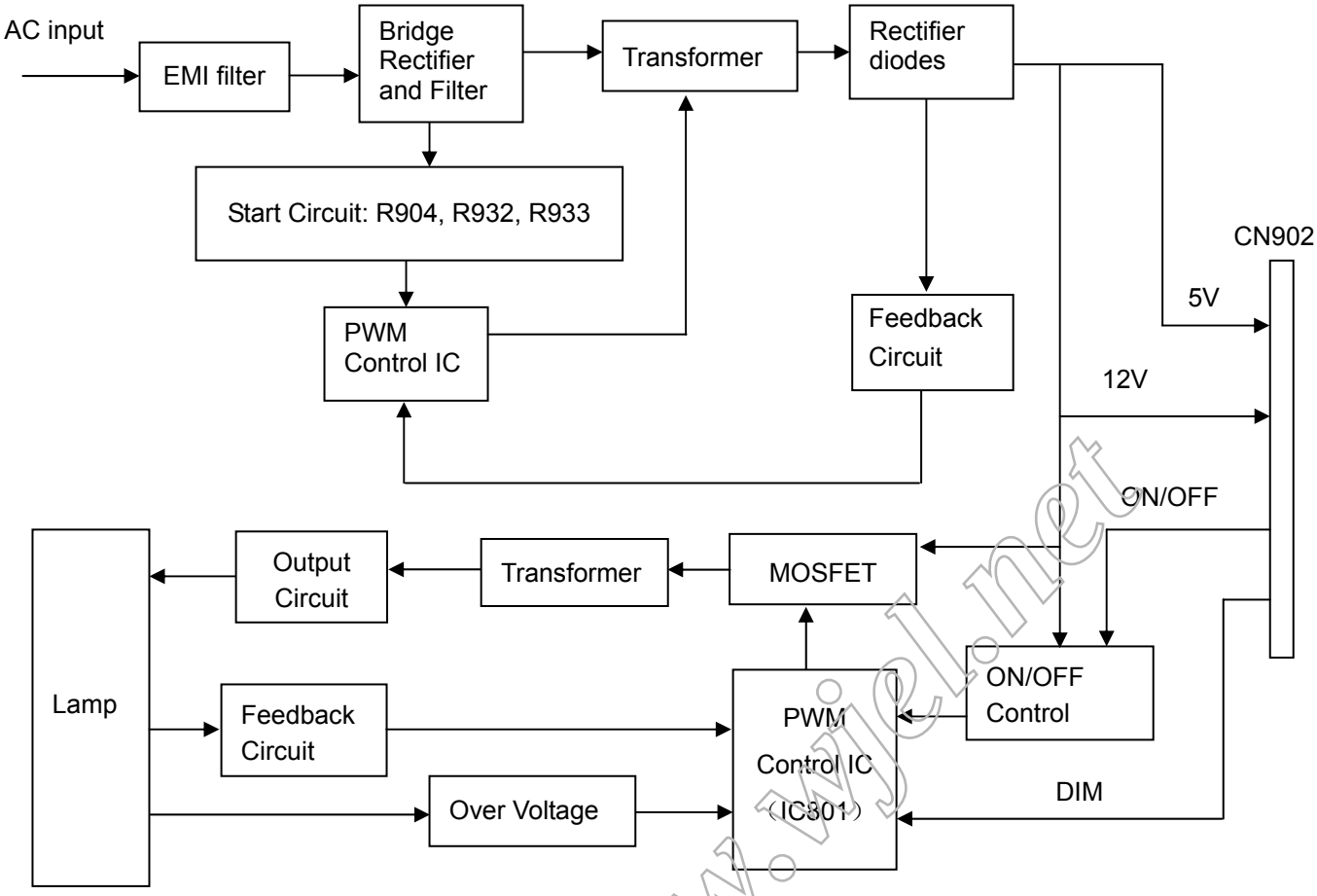
1) MCU initialize.
2) Is the EPROM blank?
3) Program the EPROM by default values.
4) Get the PWM value of brightness from EPROM.
5) Is the power key pressed?
6) Clear all global flags.
7) Are the AUTO and SELECT keys pressed?
8) Enter factory mode.
9) Save the power key status into EPROM. Turn on the LED and set it to green color. Scalar initializes.
10) In standby mode?
11) Update the lifetime of back light.
12) Check the analog port, are there any signals coming?
13) Does the scalar send out an interrupt request?
14) Wake up the scalar.
15) Are there any signals coming from analog port?
16) Display "No connection Check Signal Cable" message. And go into standby mode after the message disappear.
17) Program the scalar to be able to show the coming mode.
18) Process the OSD display.
19) Read the keyboard. Is the power key pressed?

5.2 Electrical Block Diagram

5.2.1 Main Board



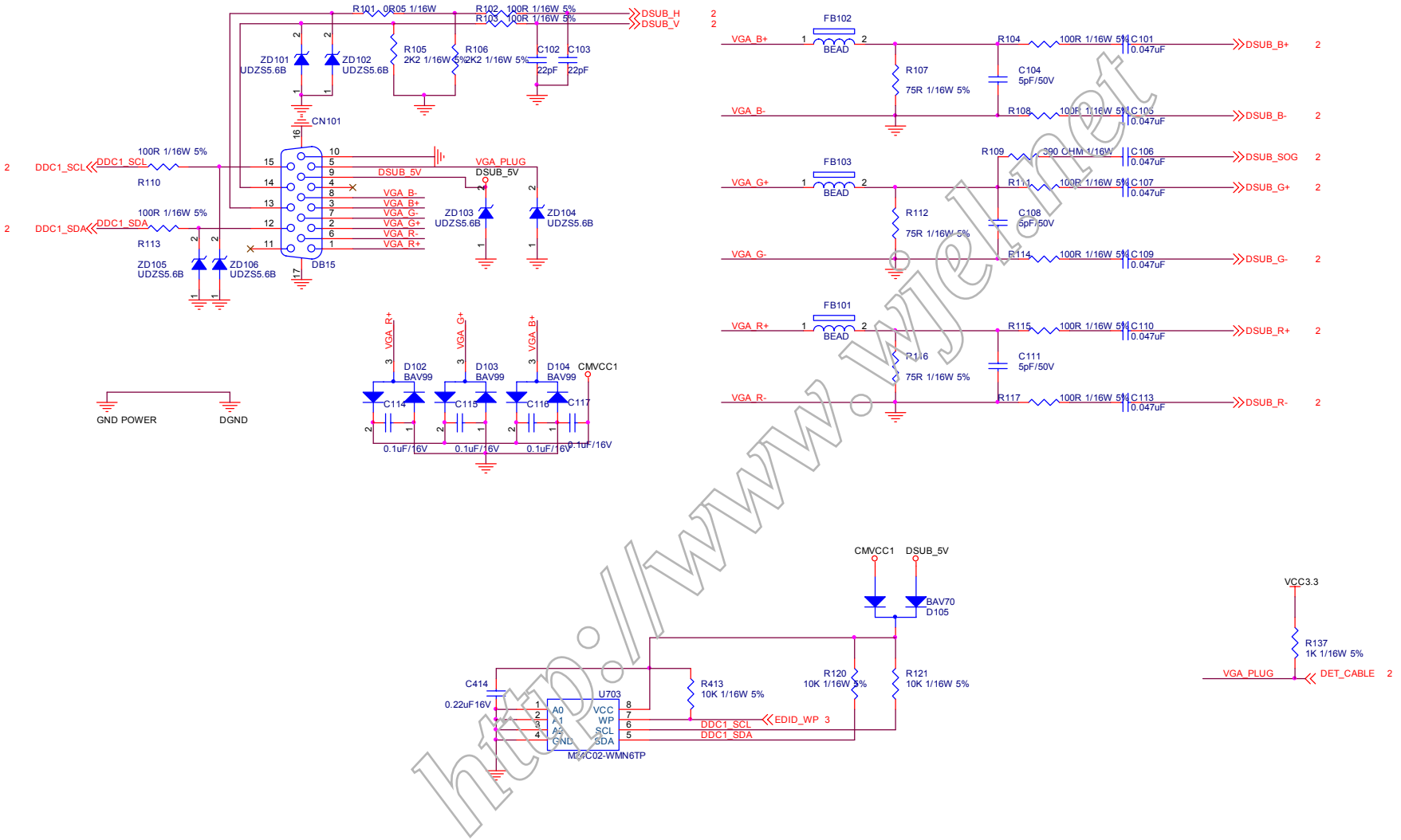
5.2.2 Inverter/Power Board



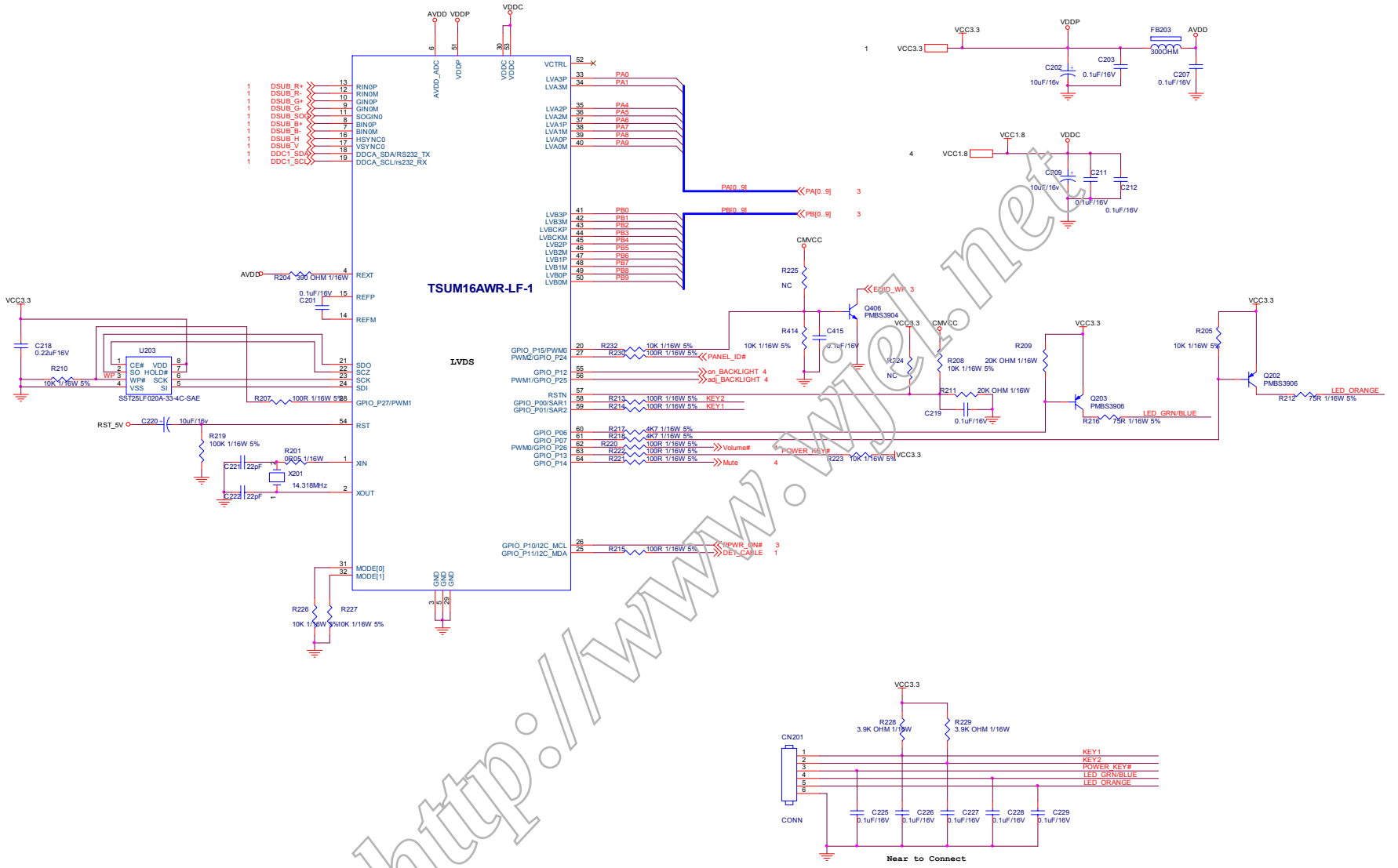
6. Schematic

6.1 Main Board

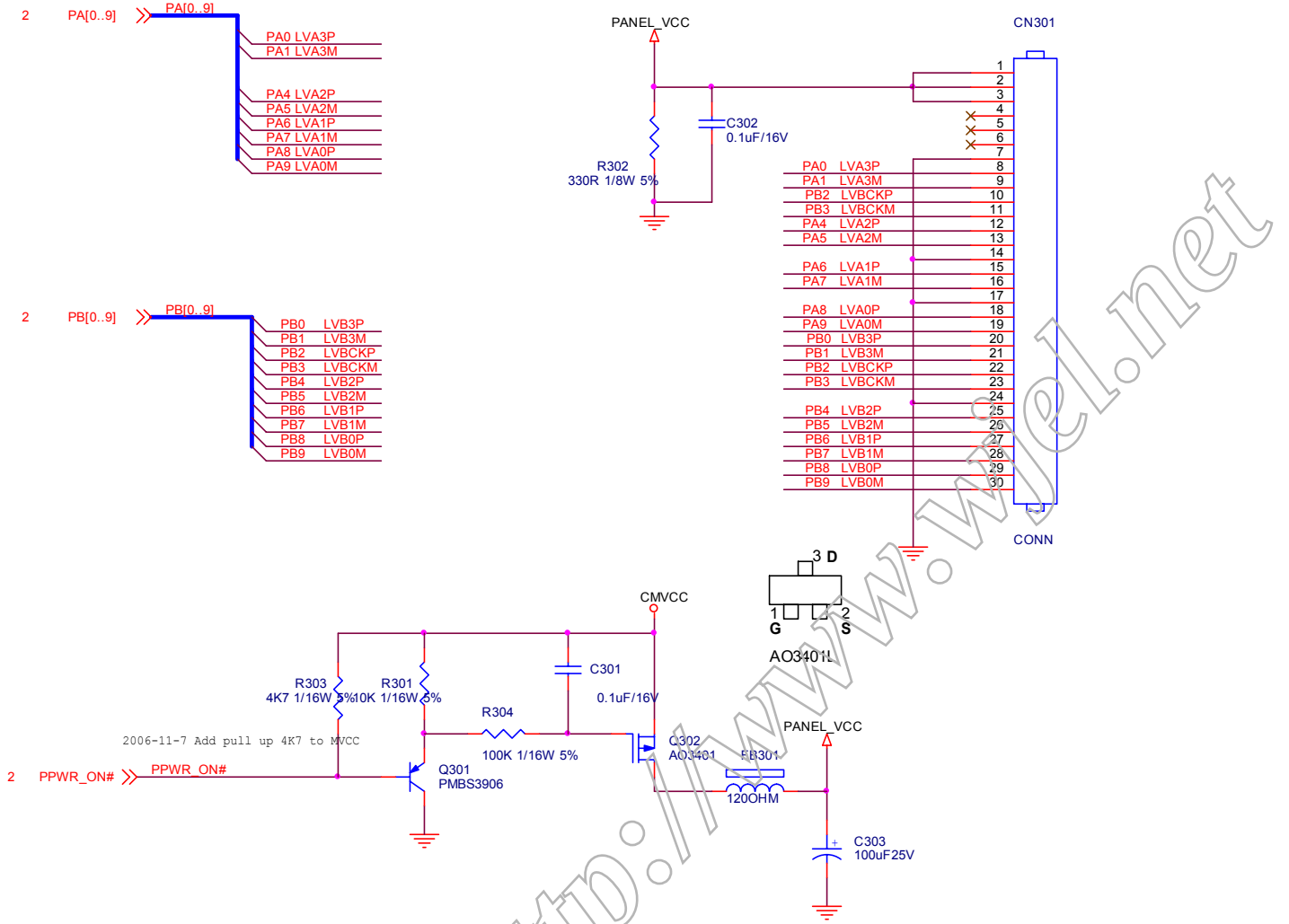
715G2564-1D



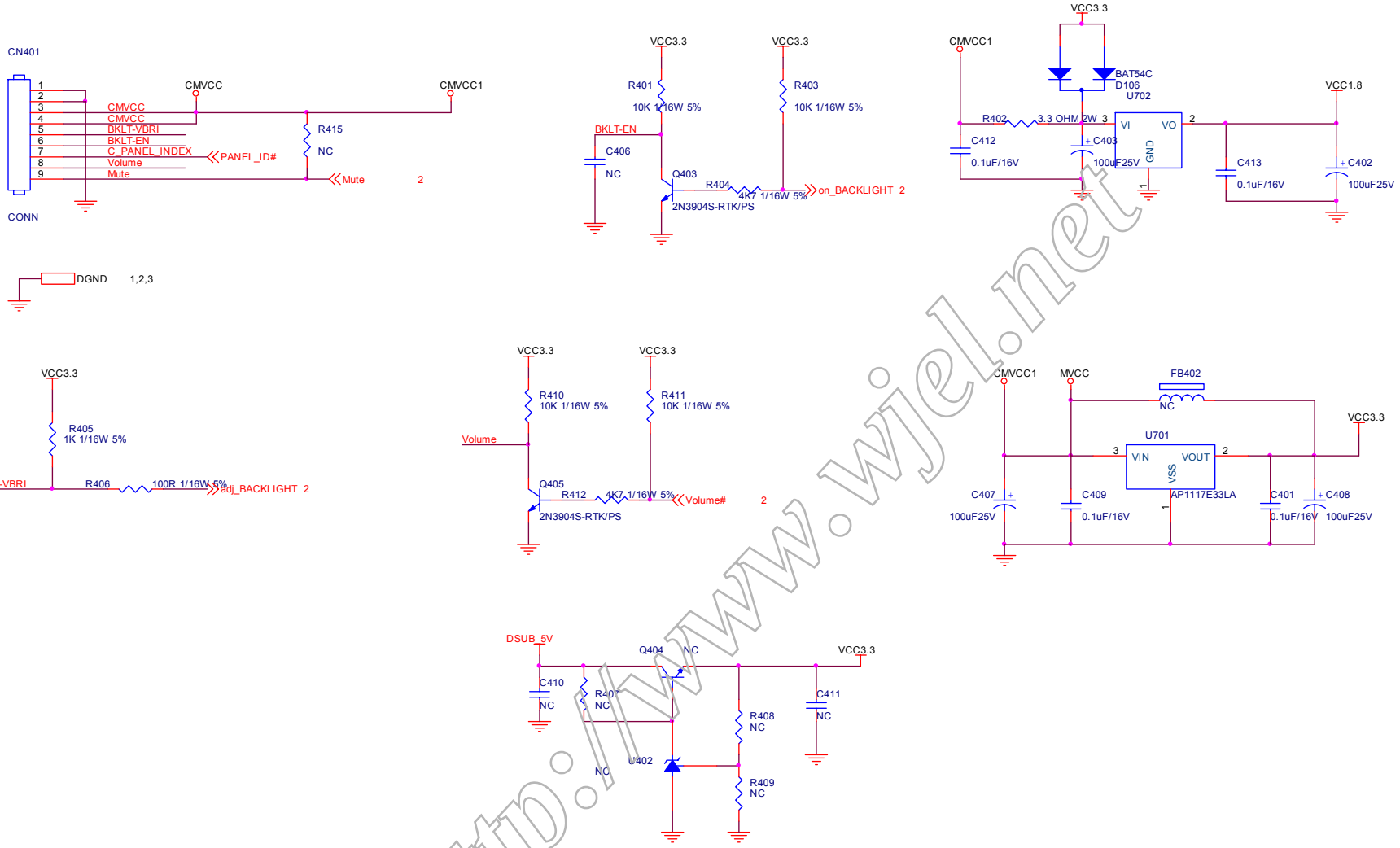
T P V （Top Victory Electronics Co.， Ltd.）		OEM MODEL	ASUS VW171S	Size	B
話 隔 瓜 銅 腹		TPV MODEL	ASUS VW171S	Rev	1D
Key Component	1.Input	PCB NAME	715G2564-1D	称 爹	
Date	Wednesday, June 27, 2007	Sheet	1 of 5		



T P V (Top Victory Electronics Co . , Ltd.)	OEM MODEL	ASUS VW171S	Size C
	TPV MODEL	ASUS VW171S	Rev 1D
Key Component 2.Scalar	PCB NAME	715G2564-1D	
Date Thursday , June 28, 2007	Sheet 2 of 5		



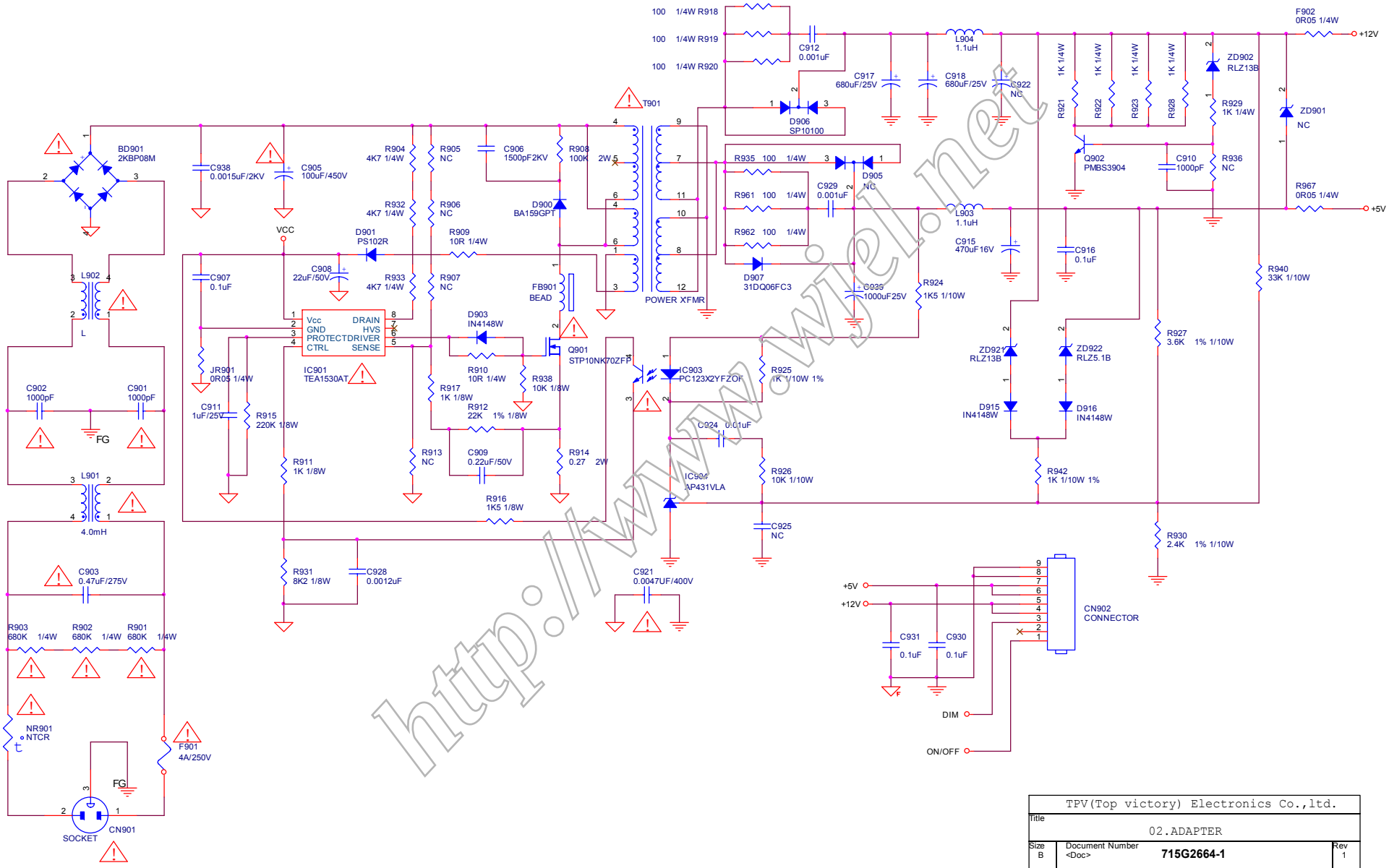
T P V （Top Victory Electronics Co . , Ltd. ）		OEM MODEL	ASUS VW171S	Size	B
紙 隔 瓜 綢 腹		TPV MODEL	ASUS VW171S	Rev	1D
Key Component	3.Output	PCB NAME	715G2564-1D	称爹	
Date	Thursday , June 28, 2007	Sheet	3 of 5		



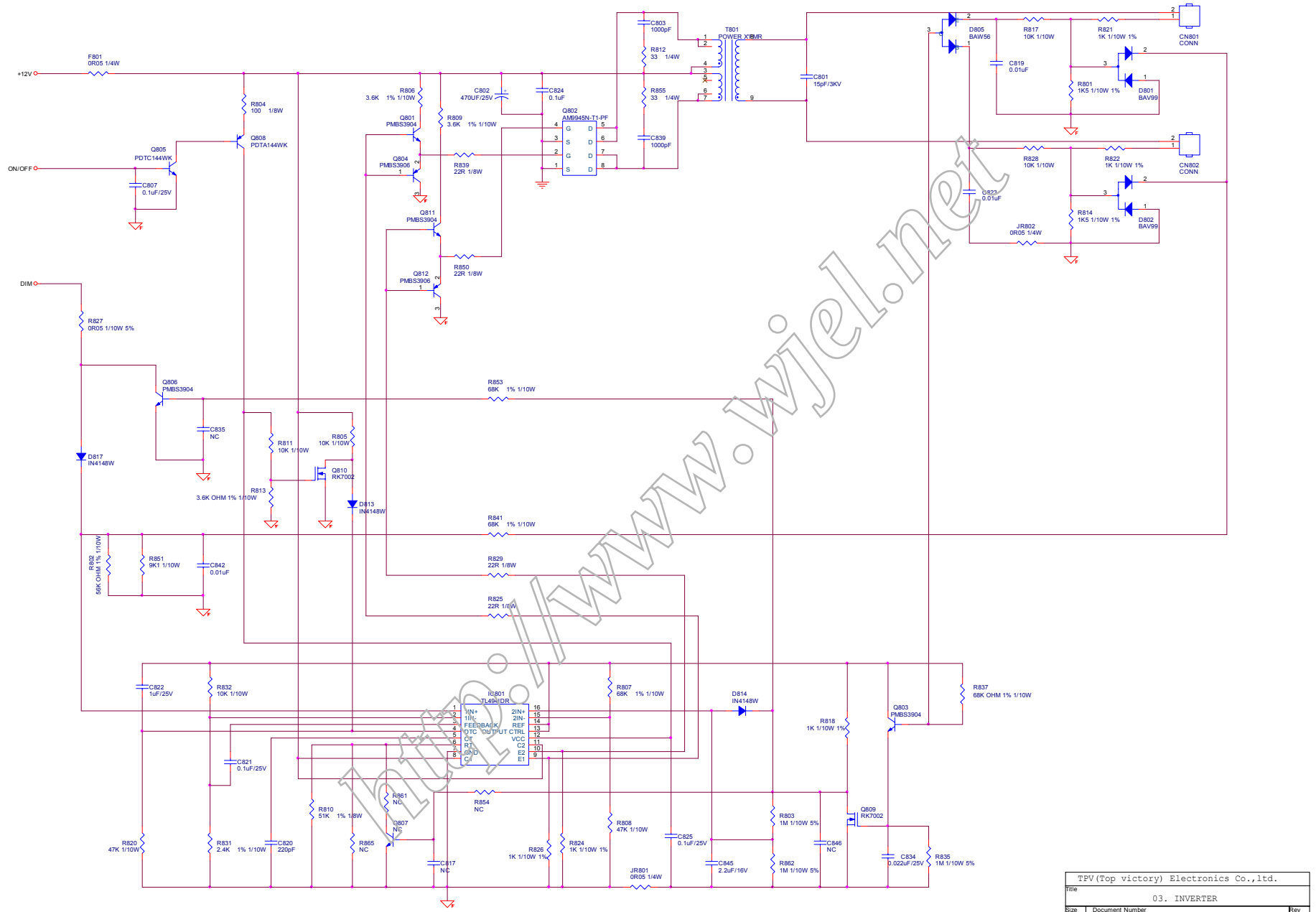
T P V （Top Victory Electronics Co . , Ltd. ）		OEM MODEL	ASUS VW171S	Size	B
紙 隔 瓜 綢 腹		TPV MODEL	ASUS VW171S	Rev	1D
Key Component	4.Power	PCB NAME	715G2564-1D	称爹	<称爹>
Date	Thursday , June 28, 2007	Sheet	4 of 5		

6.2 Power Board

715G2664-1



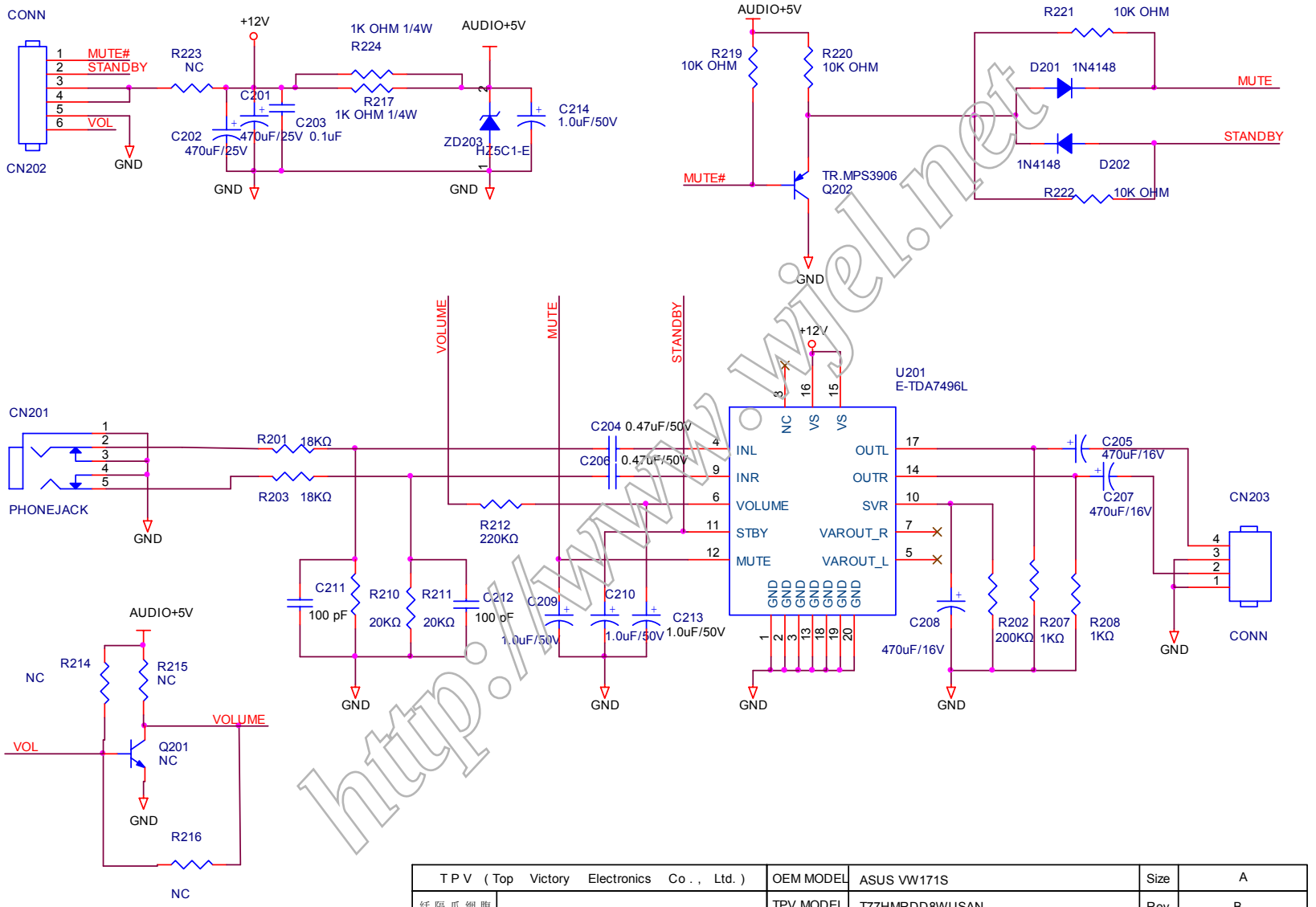
TPV(Top victory) Electronics Co.,ltd.		
Title: 02.ADAPTER		
Size: B	Document Number: <Doc> 715G2664-1	Rev: 1
Date: Monday, July 16, 2007	Sheet 1 of 3	



TPV(Top victory) Electronics Co.,ltd.		
Title: 03. INVERTER		
Size	Document Number <Doc> 715G2664-1	Rev 1
Date: Monday, July 16, 2007	Sheet 1 of 3	

6.3. Audio Board

715G2767-1

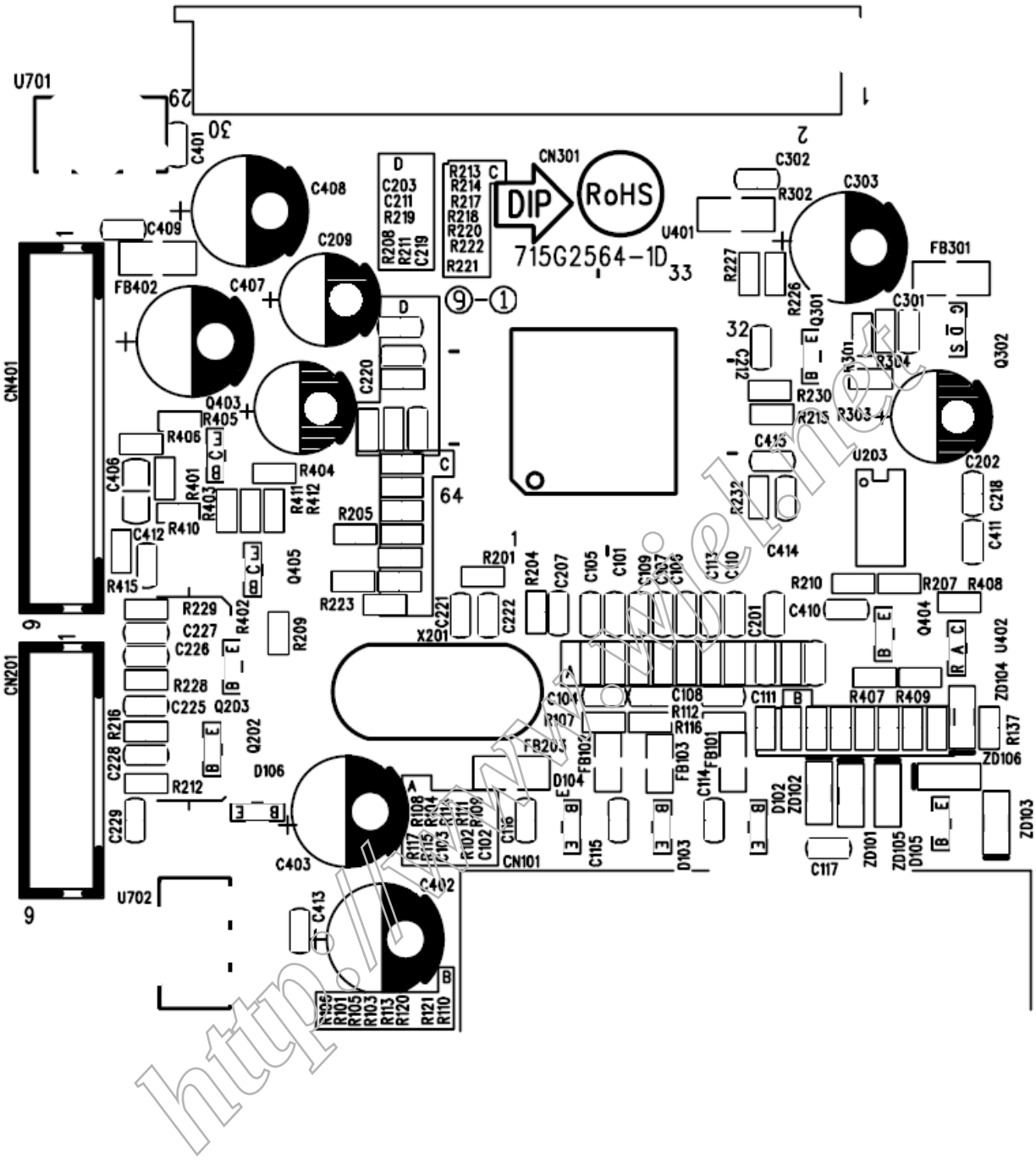


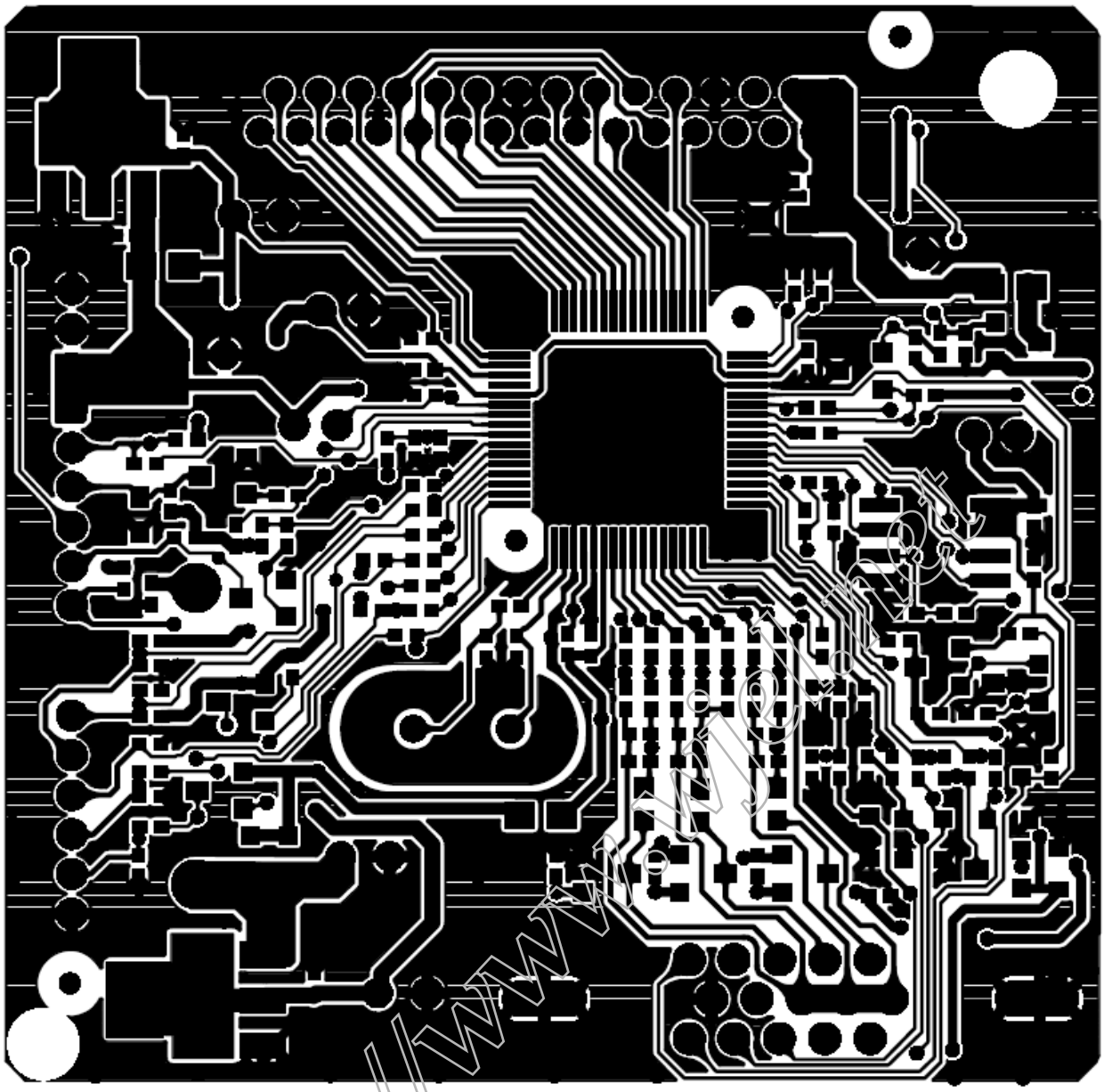
T P V （Top Victory Electronics Co . , Ltd. ）		OEM MODEL	ASUS VW171S	Size	A
結 隔 瓜 綢 腹		TPV MODEL	T77HMRDD8WUSAN	Rev	B
Key Component	02.AUDIO BOARD	PCB NAME	715G2767-1	称爹	
Date	Thursday , June 28, 2007	Sheet	2 of 2		

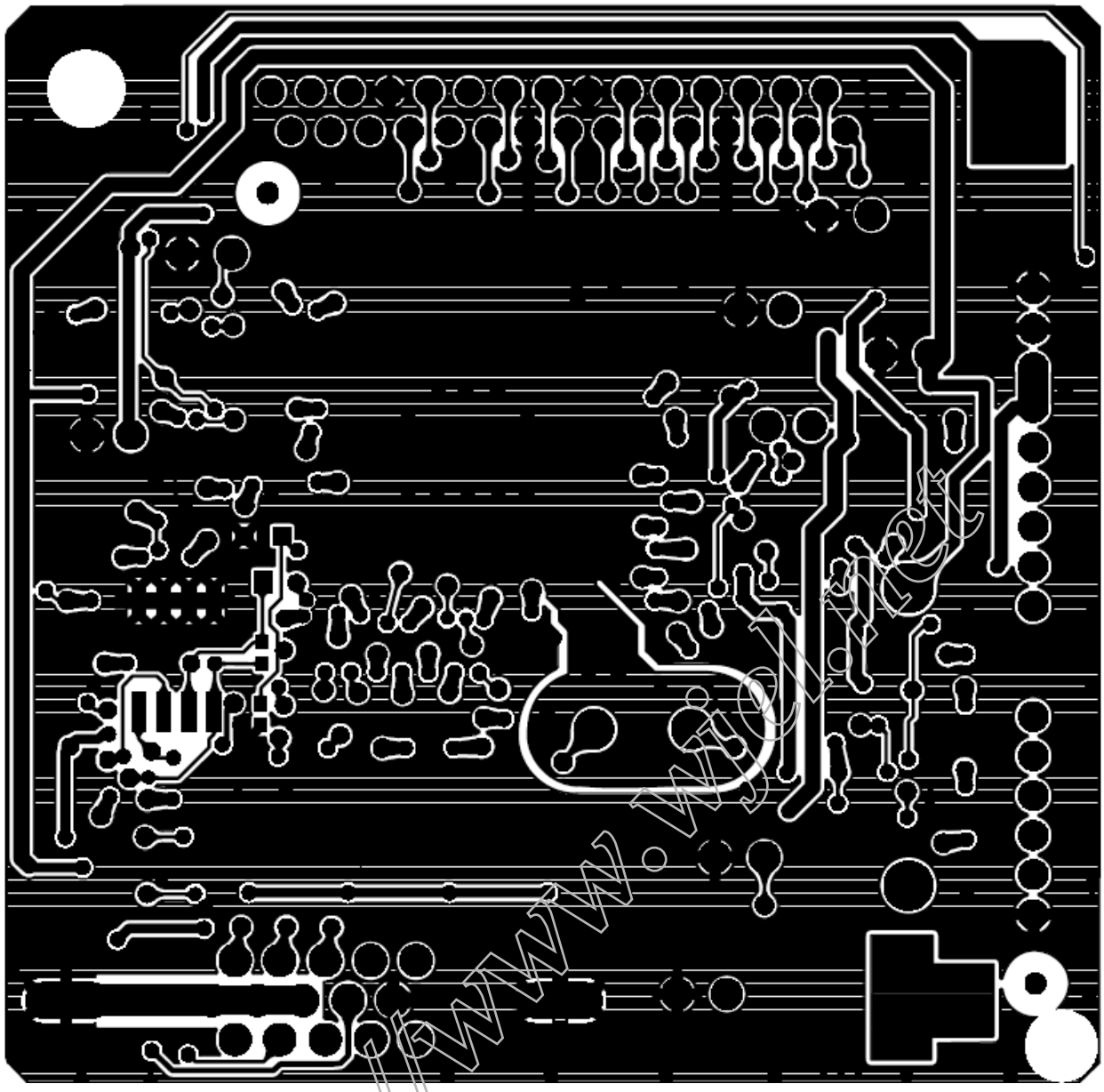
7. PCB Layout

7.1 Main Board

715G2564-1D

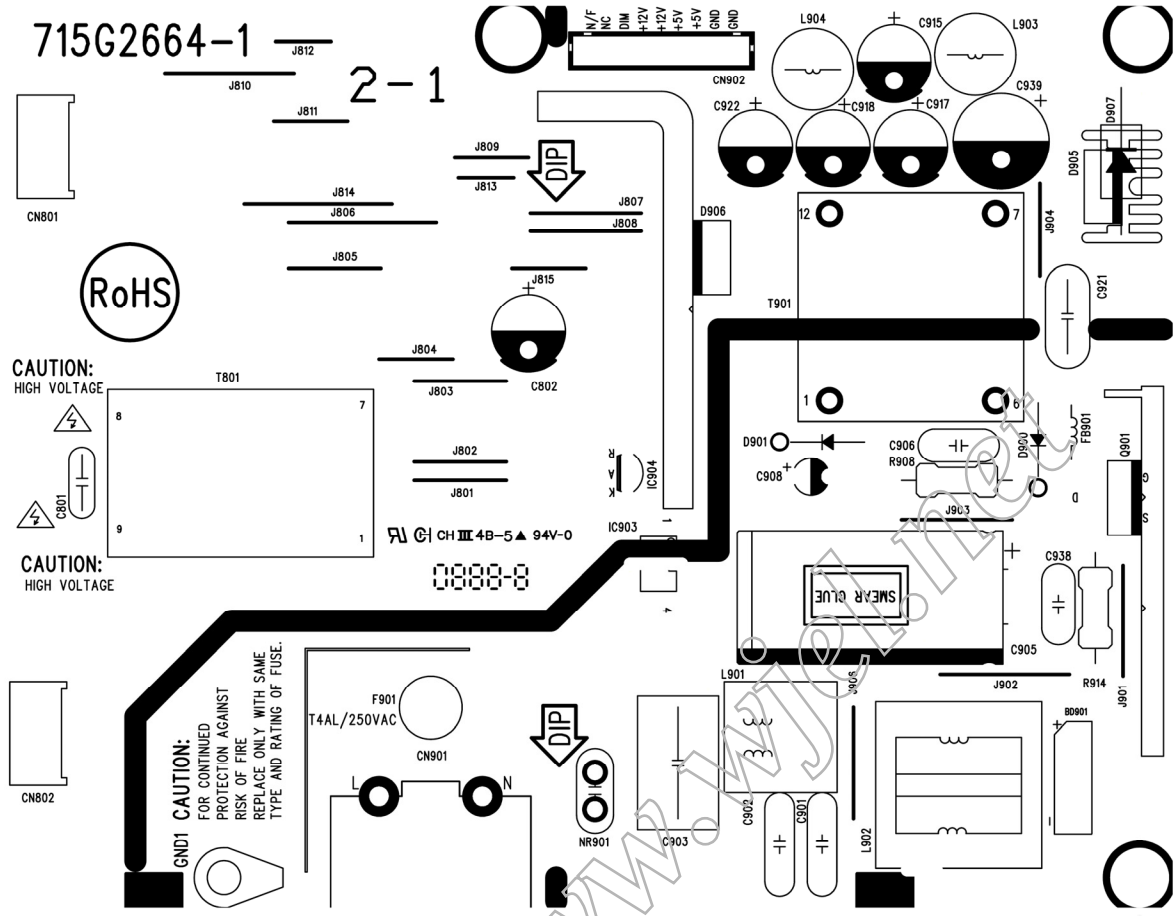


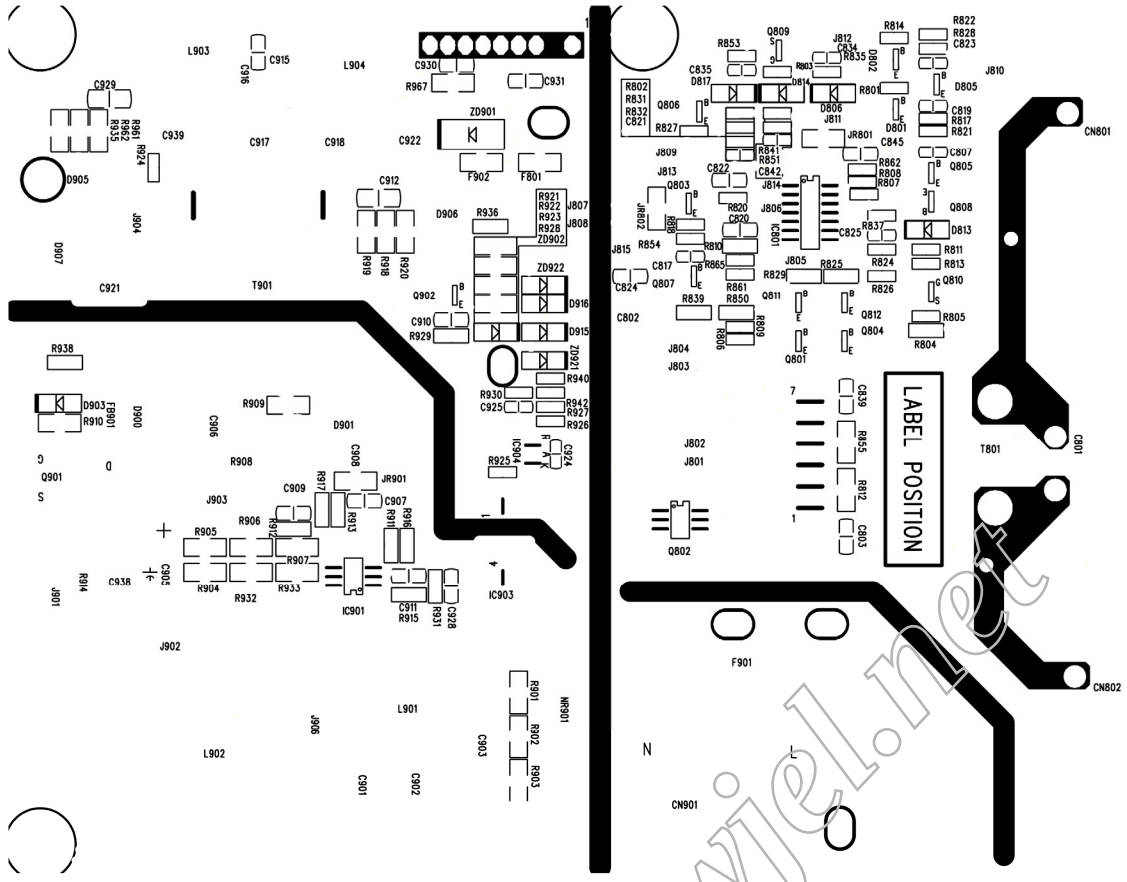


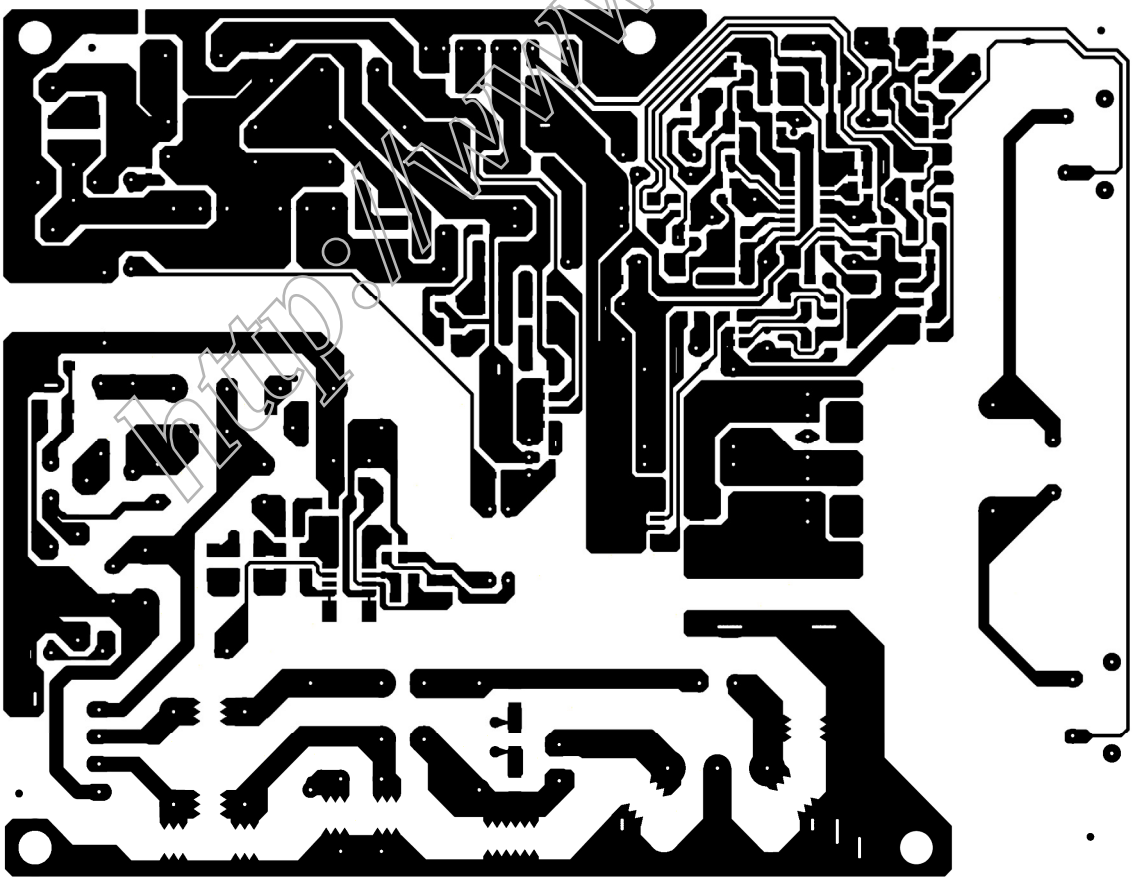


7.2 Power Board

715G2664-1

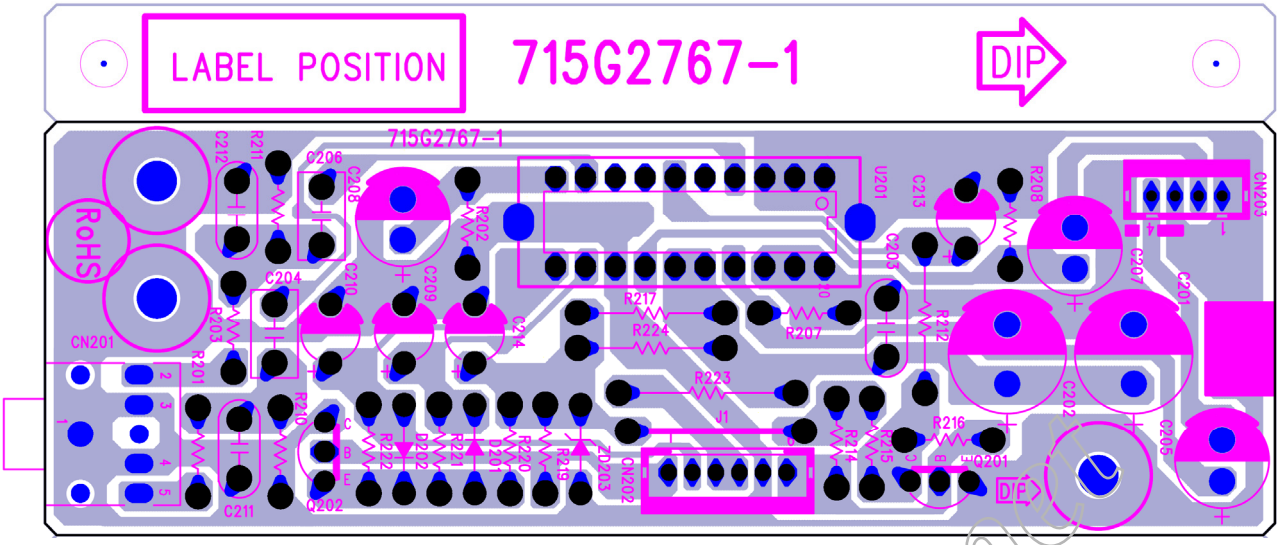






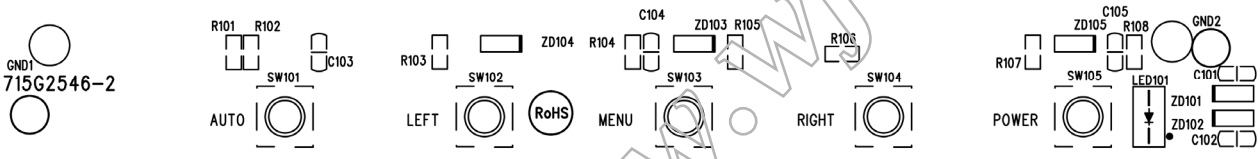
7.3 Audio Board

715G2767-1



7.4 Key Board

715G2546-2



8. Maintainability

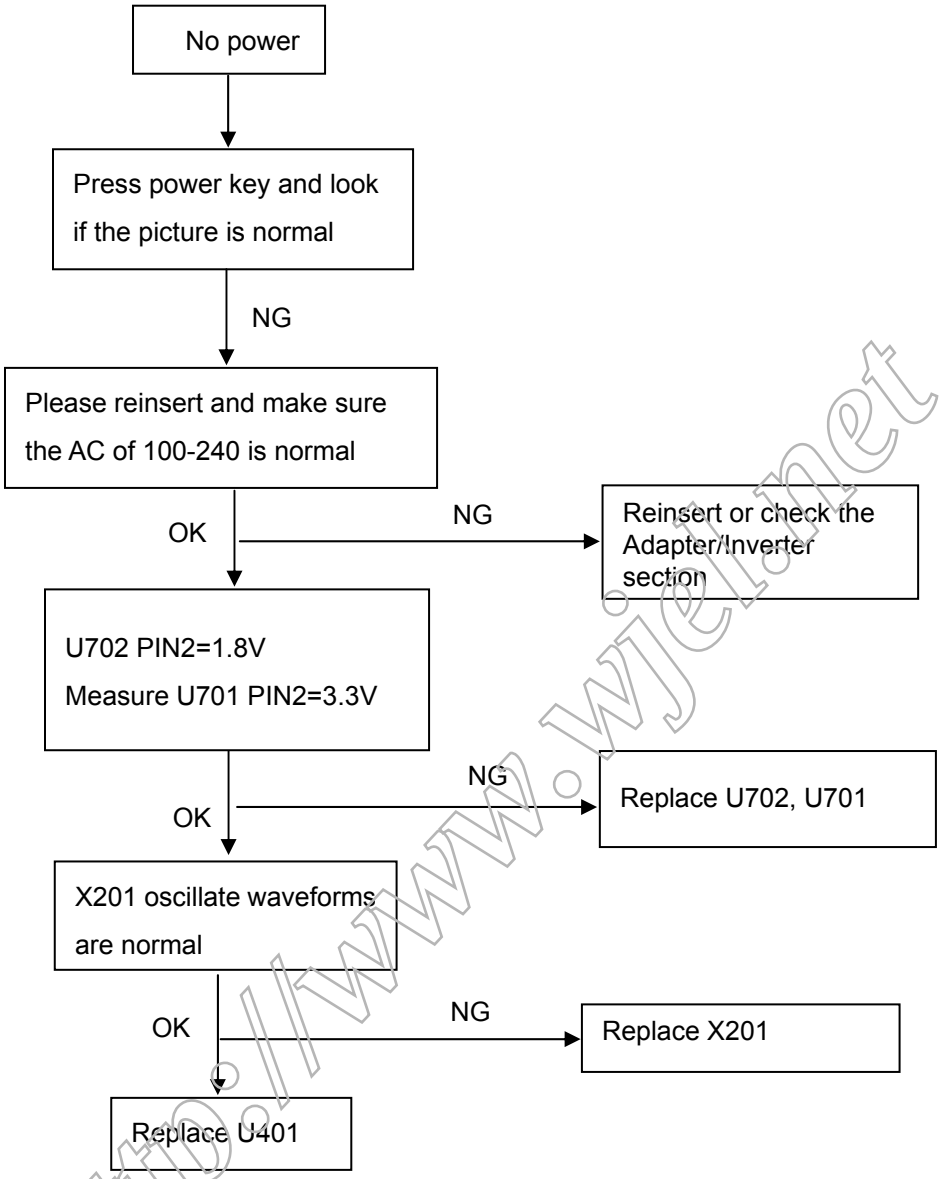
8.1 Equipments and Tools Requirement

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.

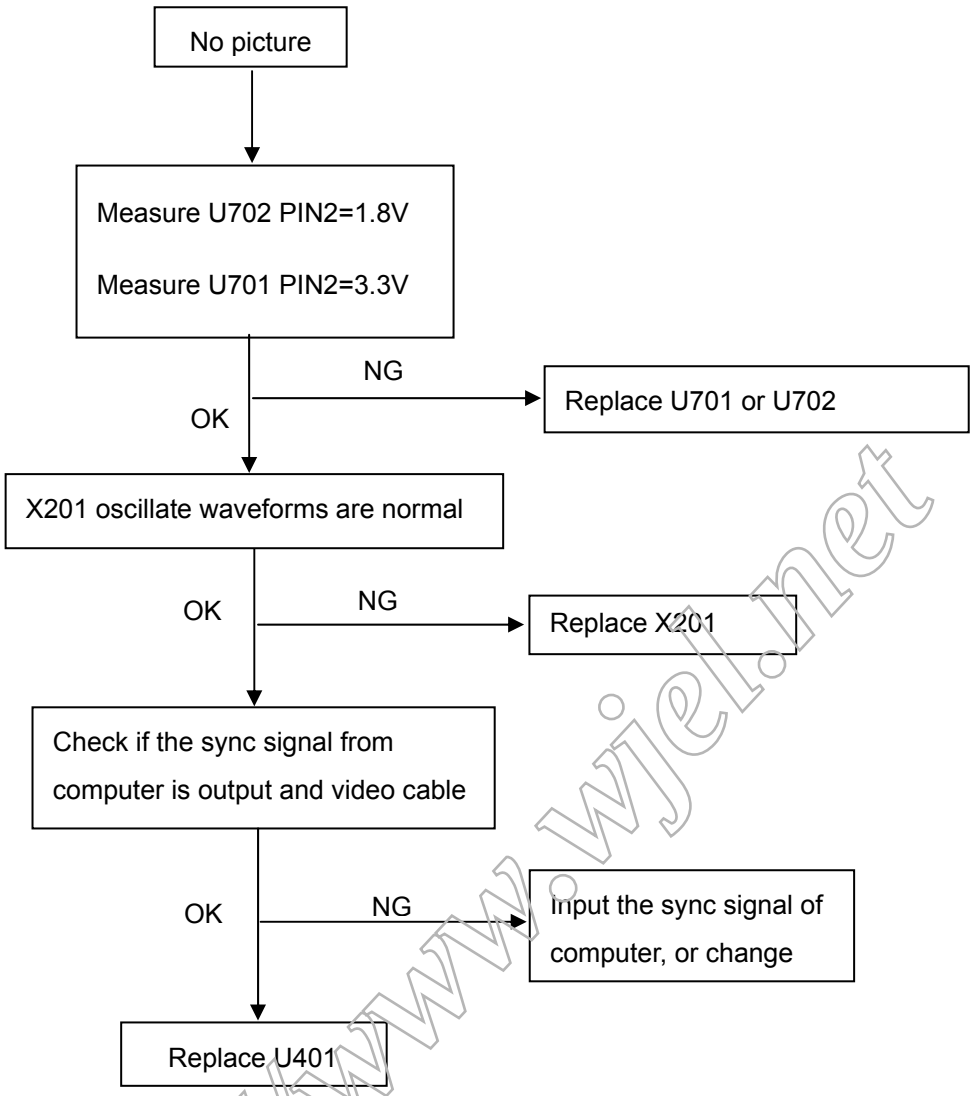
8.2 Trouble Shooting

8.2.1 Main Board

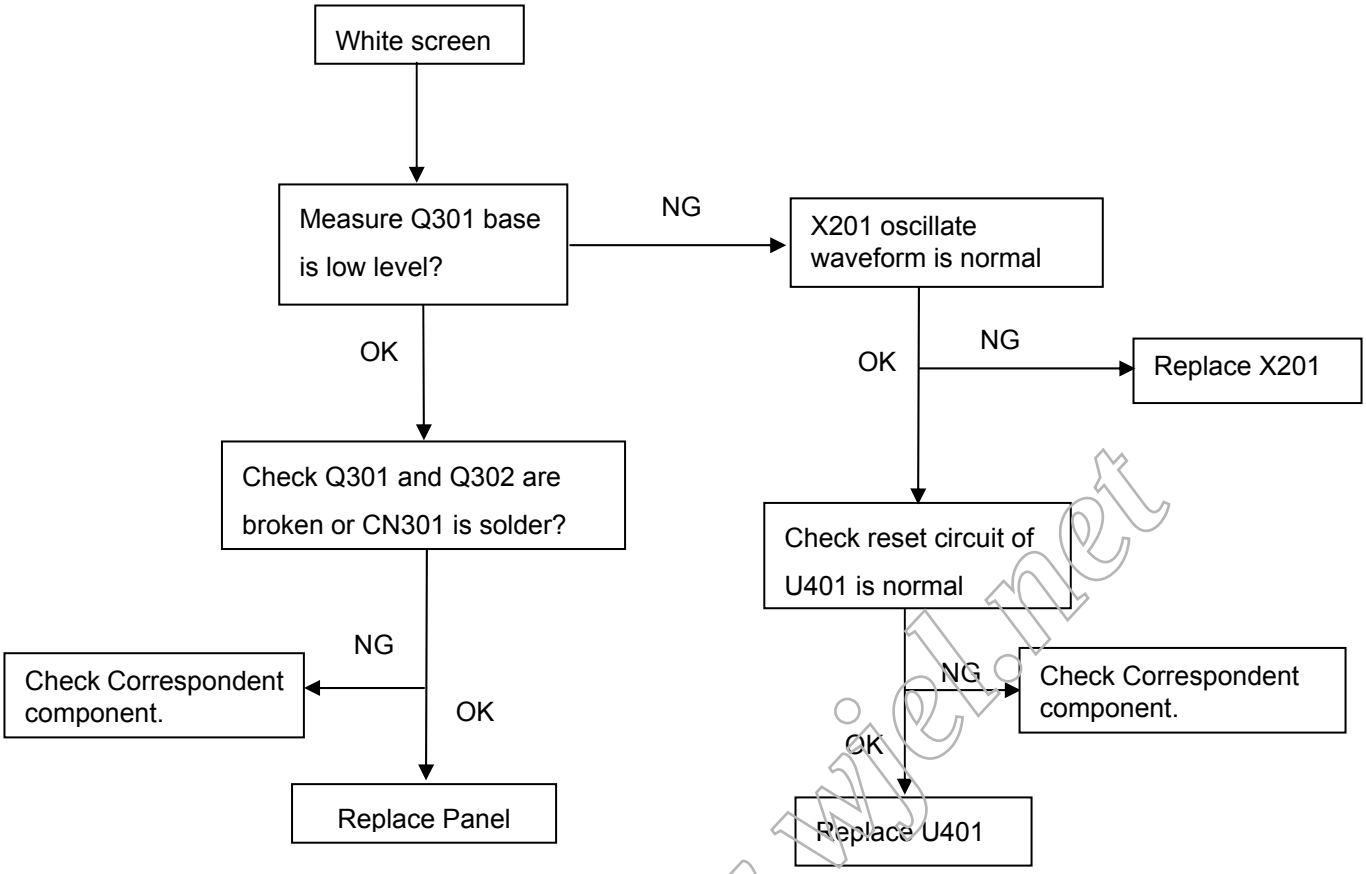
(1). No Power



(2). No Picture

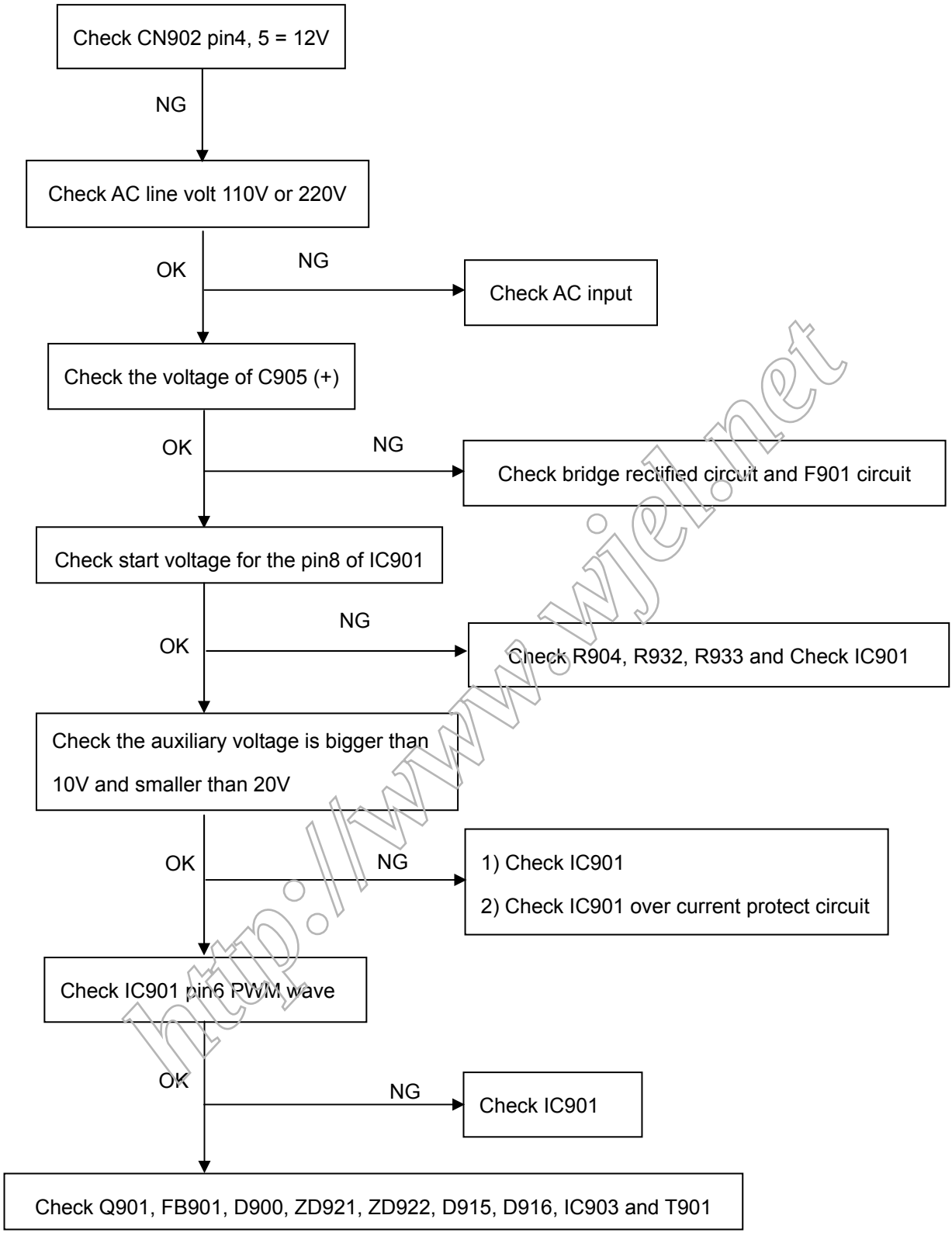


(3). White screen

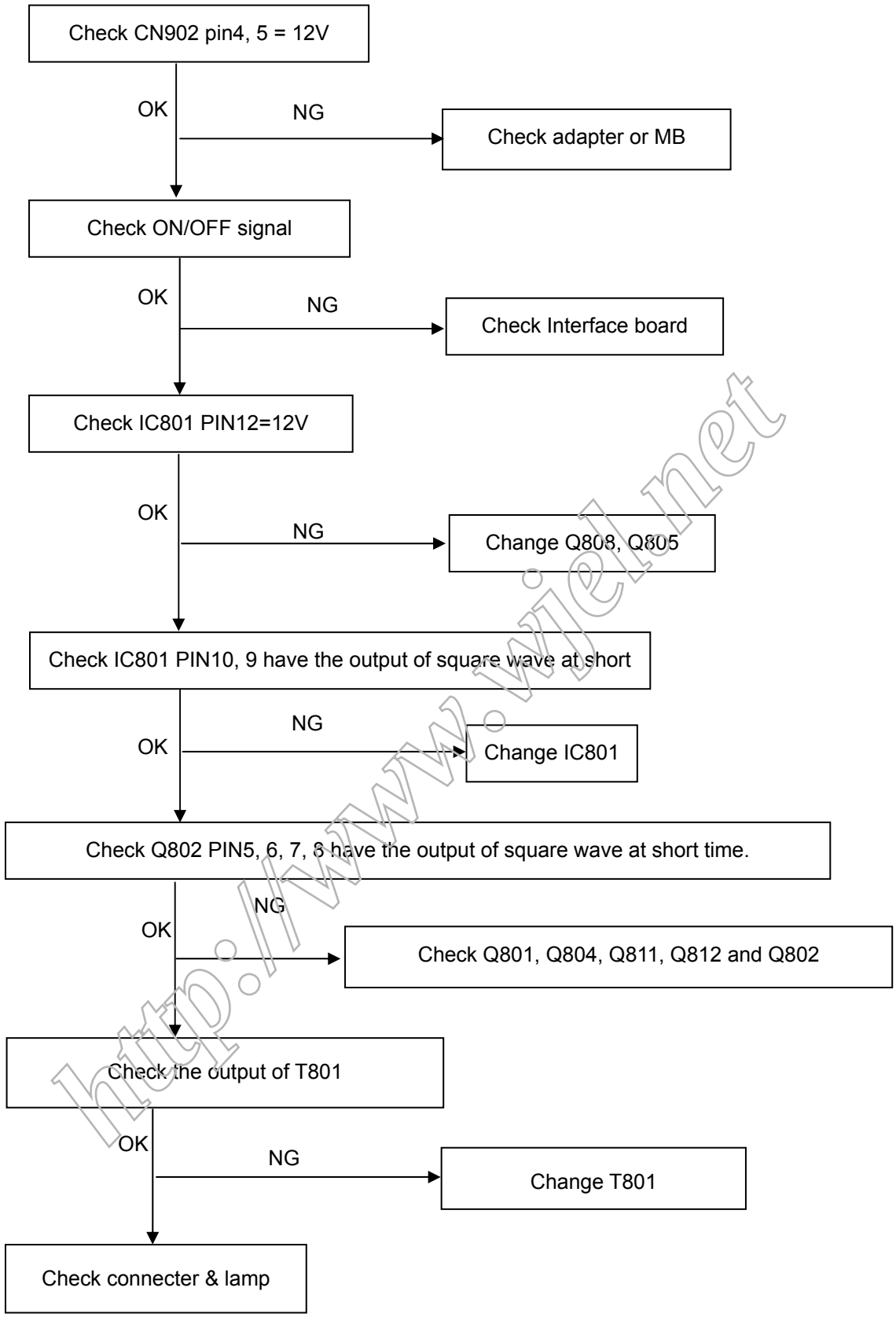


8.2.2 Power/Inverter Board

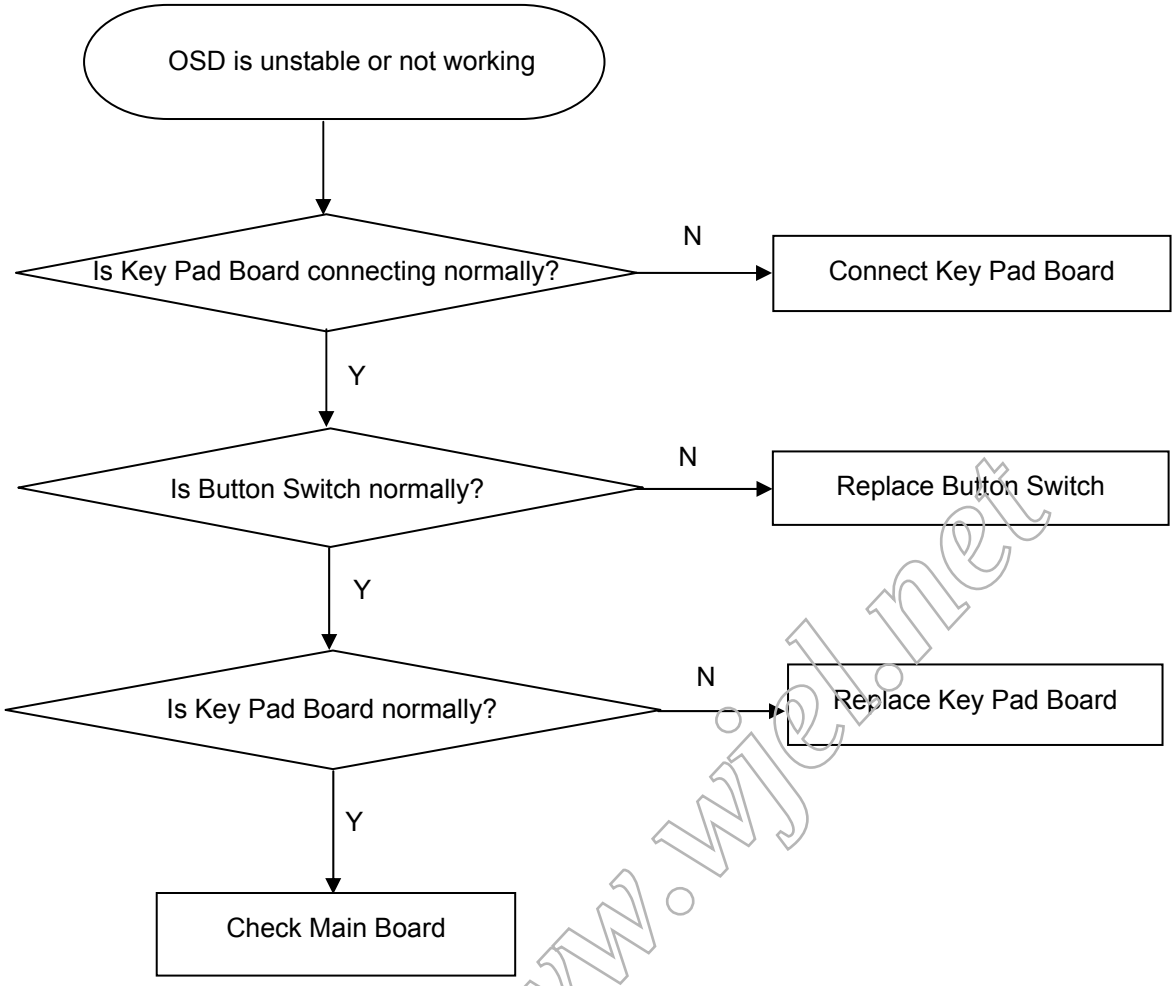
1.) No power



2.) W / LED, No Backlight



8.2.3 Key Board



9. 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 Chroma-7120 MEM Channel 3 to Warm (6500K) color, MEM Channel 4 to Normal (7500K) color, MEM Channel 9 to Cool (9300K) color , and MEM Channel 10 to sRGB color (our Warm color parameter is x = 313 ±20, y = 329 ±20, Y≥150cd/m^2; Normal color parameter is x = 299 ±20, y = 315 ±20, Y≥150cd/m^2; Cool color parameter is x = 283 ±20, y = 297 ±20, Y≥135cd/m^2 ; sRGB color parameter is x = 313 ±20, y = 329 ±20, Y= 150 ±15cd/m^2)

How to setting MEM channel you can reference to chroma 7120 user guide or simple use " SC" key and " NEXT" Key to modify xyY value and use "ID" key to modify the TEXT description Following is the procedure to do white-balance adjust .

2. Setting the color temp. you want

A. MEM.CHANNEL 3 (Warm color):

Warm color temp. parameter is x = 313 ±20, y = 329 ±20, Y≥150cd/m2

B. MEM.CHANNEL 4 (Normal color):

Normal color temp. parameter is x = 299 ±20, y = 315 ±20, Y≥150cd/m2

C. MEM.CHANNEL 9 (Cool color):

Cool color temp. parameter is x = 283 ±20, y = 297 ±20, Y≥135cd/m^2

D. MEM.CHANNEL 10 (sRGB color):

sRGB color temp. parameter is x = 313 ±20, y = 329 ±20, Y= 150 ±15cd/m^2

3. Into Factory mode of ASUS VW171S:

Press the MENU button, pull out the power cord, and then plug the power cord. Then the factory OSD will be at the left top of the panel.

4. Bias adjustment:

Set the **Contrast** to 50; Adjust the **Brightness** to 80.

5. Gain adjustment:

Move cursor to "-F-" and press MENU key

A. Adjust Warm (6500K) color-temperature

1. Switch the chroma-7120 to **RGB-Mode** (with press "MODE" button)
2. Switch the MEM.channel to Channel 3 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show x = 313 ±20, y = 329 ±20, Y≥150cd/m^2
4. Adjust the RED of color3 on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN of color3 on factory window until chroma 7120 indicator reachedthe value G=100
6. Adjust the BLUE of color3 on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance =100±2

B. Adjust Normal (7500K) color-temperature

1. Switch the chroma-7120 to **RGB-Mode** (with press "MODE" button)
2. Switch the MEM.channel to Channel 4(with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show x = 299 ±20, y = 315 ±20, Y≥150cd/m^2
4. Adjust the RED of color3 on factory window until chroma 7120 indicator reached the value R=100

5. Adjust the GREEN of color3 on factory window until chroma 7120 indicator reachedthe value G=100
6. Adjust the BLUE of color3 on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance =100±2

C. Adjust Cool (9300K) color-temperature

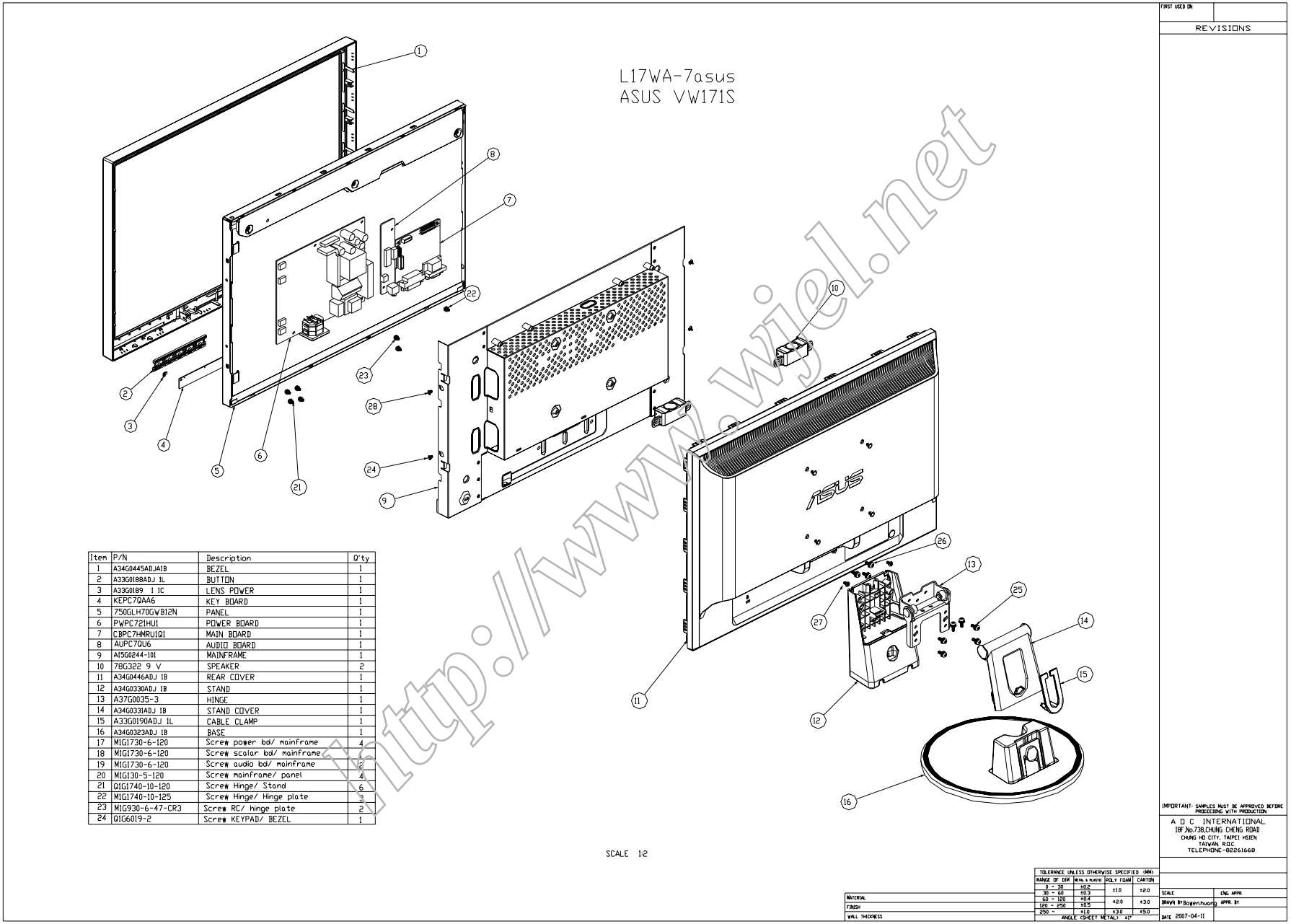
1. Switch the Chroma-7120 to **RGB-Mode** (with press "MODE" button)
2. Switch the MEM. Channel to Channel 9 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show x = 283 ±20, y = 297 ±20, Y≥135cd/m^2
4. Adjust the RED of color1 on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN of color1 on factory window until chroma 7120 indicator reached the value G=100
6. Adjust the BLUE of color1 on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance =100±2

D. Adjust sRGB color-temperature

1. Switch the chroma-7120 to **RGB-Mode** (with press "MODE" button)
2. Switch the MEM.channel to Channel 10 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show x = 313 ±20, y = 329 ±20, Y= 150 ±15cd/m^2
4. Adjust the RED of color3 on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN of color3 on factory window until chroma 7120 indicator reachedthe value G=100
6. Adjust the BLUE of color3 on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance =100±2

E. Turn the Power-button off to quit from factory mode.

10. Monitor Exploded View



Item	P/N	Description	Q'ty
1	A34G0445ADJA1B	BEZEL	1
2	A33G0188ADJ 1L	BUTTON	1
3	A33G0189 1 1C	LENS POWER	1
4	KEPC70AA6	KEY BOARD	1
5	750GLH70GWB12N	PANEL	1
6	PWPC721HU1	POWER BOARD	1
7	CBPC7HMRU1Q1	MAIN BOARD	1
8	AUPC70U6	AUDIO BOARD	1
9	A15G0244-101	MAINFRAME	1
10	78G322 9 V	SPEAKER	2
11	A34G0446ADJ 1B	REAR COVER	1
12	A34G0330ADJ 1B	STAND	1
13	A37G0035-3	HINGE	1
14	A34G0331ADJ 1B	STAND COVER	1
15	A33G0190ADJ 1L	CABLE CLAMP	1
16	A34G0323ADJ 1B	BASE	1
17	MIG1730-6-120	Screw power bd/ mainframe	4
18	MIG1730-6-120	Screw scalar bd/ mainframe	4
19	MIG1730-6-120	Screw audio bd/ mainframe	3
20	MIG130-5-120	Screw mainframe/ panel	4
21	QIG1740-10-120	Screw Hinge/ Stand	6
22	MIG1740-10-125	Screw Hinge/ Hinge plate	2
23	MIG930-6-47-CR3	Screw RC/ hinge plate	2
24	QIG6019-2	Screw KEYPAD/ BEZEL	1

11. BOM List

T77HMRDD8WUSAN

Location	Part No.	Description
	040G 457834 4A GP	S/N LABEL FOR ID
	040G 457842 2B	PALLET LABEL
	040G 581680 1A	WARRANTY LABEL
	040G 582680 3A	PALLET LABEL
	040G 582680 4A	CARTON LABEL
	044G9003224	CORNER PAPER
	044GH600 1	Handle 2
	050G 600 1 W	WHITE STRAP
	050G 600 4	Handle 1
	052G 1186	SMALL TAPE
	052G 1208 A	ALUMINIUM TAPE
	052G 1211 A	165MINIUM TAPE
	078G 322 9 V	SPK 8OHM 1.5W 230 mm 43X18mm VECO
	089G 17356C554	AUDIO CABLE
	089G 728GAA DB	D-SUB
	089G179J30N504	ffc cable
	089G414A18N LS	POWER CORD
	095G8014 8D 69	HARNESS 8P-6P 390mm
	0M1G 130 5120	SCREW
	0M1G 930 6 47 CR3	SCREW
	0M1G1730 6120	SCREW
	0M1G1730 6120	SCREW
	0M1G1730 6120	SCREW
	0M1G1740 10125	screw
	705GQ734261	STAND ASS'Y 17
	0Q1G1740 10120	SCREW
	A34G0330ADJ 1B	STAND
	A37G0035 1	HINGE
E750L	750GLH70GWB12N	PANEL HSD170MGW1-B00 HSD
	A15G0244101	MAINFRAME
	A33G0188ADJ 1L	BUTTON FUNC
	A33G0189 1 1C	LENS POWER
	A33G0190ADJ 1L	CABLE CLAMP
	A34G0323ADJ 1B 33	BASE
	A34G0331ADJ 1B	STAND_COVER
	A34G0445ADJA1B 30	BEZEL L17W(A)-7ASUS
	A34G0446ADJ 1B	REAR COVER 17

	AUPC7QU6	AUDIO BOARD
CN203	033G3802 4	WAFER EH-4
CN202	033G3802 6	WAFER
U201	056G 616 1	IC E-TDA7496L ST
C202	067G215V471 4N GP	KY25VB470M-CC3 10*16
C201	067G215V471 4N GP	KY25VB470M-CC3 10*16
C205	067G215Y4713RV	LOW E.S.R 470UF +-20% 16V
C207	067G215Y4713RV	LOW E.S.R 470UF +-20% 16V
C208	067G215Y4713RV	LOW E.S.R 470UF +-20% 16V
CN201	088G 30210K E	PHONE JACK 5PIN
Q202	057G 414 2	MPS3906
R224	061G 17210252T	1K OHM 5% 1/4W
R217	061G 17210252T	1K OHM 5% 1/4W
R207	061G 60210252T	CFR 1K OHM +-5% 1/6W
R208	061G 60210252T	CFR 1K OHM +-5% 1/6W
R219	061G 60210352T	CFR 10KOHM +-5% 1/6W
R220	061G 60210352T	CFR 10KOHM +-5% 1/6W
R221	061G 60210352T	CFR 10KOHM +-5% 1/6W
R222	061G 60210352T	CFR 10KOHM +-5% 1/6W
R203	061G 60218352T	18KOHM 5% 1/6
R201	061G 60218352T	18KOHM 5% 1/6
R210	061G 60220352T	CFR 20K OHM+-5% 1/6W
R211	061G 60220352T	CFR 20K OHM+-5% 1/6W
R202	061G 60220452T	200KOHM 5% 1/6W
R212	061G 60222452T	220KOHM 5% 1/6W
C204	064G178J474 0T6951	CL21X. 0.47uF 50V +-5%
C206	064G178J474 0T6951	CL21X. 0.47uF 50V +-5%
C211	065G 444101 5T	100 PF 10% 50V Y5P
C212	065G 444101 5T	100 PF 10% 50V Y5P
C203	065G 450104 7T	0.1UF +80-20% 50V Y5V
C209	067G215Y1097NT	EC 1.0uF 50V KY50VB1M-TP5 5*11mm
C213	067G215Y1097NT	EC 1.0uF 50V KY50VB1M-TP5 5*11mm
C214	067G215Y1097NT	EC 1.0uF 50V KY50VB1M-TP5 5*11mm
C210	067G215Y1097NT	EC 1.0uF 50V KY50VB1M-TP5 5*11mm
ZD203	093G 39 7752T	HZ5C1-E
D201	093G 64 1152T PH	SWITCH DIODE 1N4148 BY PHILIPS
D202	093G 64 1152T PH	SWITCH DIODE 1N4148 BY PHILIPS
	715G2767 1	AUDIO BOARD PCB
	Q90G6258 2	HEAT SINK
	CBPC7HMRU1Q1	MAIN BOARD

CN201	033G3802 6	WAFER
CN401	033G3802 9	WAFER 9P RIGHT ANELE PITCH
CN301	033G801930F CH JS	CONNECTOR
	040G 457624 1B	LABEL-CPU
	040G 45762412B	CBPC LABEL
R402	061G152M339 64	CHIPR 3.3 OHM +-5% 2W
C402	067G 3151014KV	EC 105℃ CAP 100UF M 25V
C303	067G 3151014KV	EC 105℃ CAP 100UF M 25V
C408	067G 3151014KV	EC 105℃ CAP 100UF M 25V
C407	067G 3151014KV	EC 105℃ CAP 100UF M 25V
C403	067G 3151014KV	EC 105℃ CAP 100UF M 25V
CN101	088G 35315F H	D-SUB 15PIN
X201	093G 22 53	CRYSTAL 14.318MHzHC-49US
U401	056G 562548	IC TSUM16AWR-LF-1 MSTAR
U702	056G 56327A	IC AP1117E18LA SOT223-3L ANACHIP
U701	056G 585 4A	AP1117E33LA
U203	056G1133 81	SST25LF020A-33-4C-SAE
Q301	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q203	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q202	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q403	057G 417 12 T	KEC 2N3904S-RTK/PS
Q405	057G 417 12 T	KEC 2N3904S-RTK/PS
Q302	057G 763 1	A03401 SOT23 BY AOS(A1)
R101	061G0402000	RST CHIPR 0 OHM +-5% 1/16W
R201	061G0402000	RST CHIPR 0 OHM +-5% 1/16W
R214	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R213	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R207	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R117	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R115	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R114	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R113	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R111	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R110	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R108	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R104	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R103	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R102	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R215	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R220	061G0402101	RST CHIPR 100 OHM +-5% 1/16W

R221	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R222	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R230	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R406	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R137	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W
R405	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W
R208	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R121	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R120	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R410	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R411	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R403	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R401	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R205	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R210	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R223	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R226	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R227	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R301	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R219	061G0402104	RST CHIPR 100 KOHM +-5% 1/16W
R304	061G0402104	RST CHIPR 100 KOHM +-5% 1/16W
R211	061G0402203	RST CHIP 20K 1/16W 5%
R209	061G0402203	RST CHIP 20K 1/16W 5%
R105	061G0402222	RST CHIPR 2.2 KOHM +-5% 1/16W
R106	061G0402222	RST CHIPR 2.2 KOHM +-5% 1/16W
R109	061G0402390 0F	RST CHIP 390R 1/16W 1%
R204	061G0402390 0F	RST CHIP 390R 1/16W 1%
R229	061G0402392	RST CHIP 3.9K 1/16W 5%
R228	061G0402392	RST CHIP 3.9K 1/16W 5%
R303	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W
R218	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W
R217	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W
R404	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W
R412	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W
R216	061G0402750	RST CHIPR 75 OHM +-5% 1/16W
R212	061G0402750	RST CHIPR 75 OHM +-5% 1/16W
R116	061G0402750	RST CHIPR 75 OHM +-5% 1/16W
R112	061G0402750	RST CHIPR 75 OHM +-5% 1/16W
R107	061G0402750	RST CHIPR 75 OHM +-5% 1/16W
R302	061G0805331	RST CHIPR 330 OHM +-5% 1/8W

C201	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C203	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C207	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C117	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C116	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C115	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C114	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C413	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C412	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C409	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C401	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C302	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C301	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C229	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C228	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C227	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C226	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C225	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C219	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C212	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C211	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C102	065G0402220 31	CHIP 22PF 50V NPO
C103	065G0402220 31	CHIP 22PF 50V NPO
C221	065G0402220 31	CHIP 22PF 50V NPO
C222	065G0402220 31	CHIP 22PF 50V NPO
C218	065G0402224 17	CAP CER 0.22UF -20%-80%
C101	065G0402473 12	CHIP 0.047uF 16V X7R
C105	065G0402473 12	CHIP 0.047uF 16V X7R
C106	065G0402473 12	CHIP 0.047uF 16V X7R
C107	065G0402473 12	CHIP 0.047uF 16V X7R
C109	065G0402473 12	CHIP 0.047uF 16V X7R
C110	065G0402473 12	CHIP 0.047uF 16V X7R
C113	065G0402473 12	CHIP 0.047uF 16V X7R
C111	065G0402509 31	CHIP 5pF 50V NPO
C108	065G0402509 31	CHIP 5pF 50V NPO
C104	065G0402509 31	CHIP 5pF 50V NPO
FB301	071G 56K121 M	CHIP BEAD
FB203	071G 56V301 B	CHIP BEAD FCM2012VF-301T07 bullwill
FB101	071G 59K190 B	19 OHM BEAD
FB102	071G 59K190 B	19 OHM BEAD

FB103	071G 59K190 B	19 OHM BEAD
D106	093G 60505	DIO SIG SM BAT54C(PHSE)R
D105	093G 64 42 P	BAV70 SOT23 BY PAN JIT
D102	093G 6433S	DIODE BAV99 SEMTECH
D103	093G 6433S	DIODE BAV99 SEMTECH
D104	093G 6433S	DIODE BAV99 SEMTECH
ZD101	093G 39S 34 T	UDZS5.6B
ZD102	093G 39S 34 T	UDZS5.6B
ZD104	093G 39S 34 T	UDZS5.6B
ZD105	093G 39S 34 T	UDZS5.6B
ZD106	093G 39S 34 T	UDZS5.6B
ZD103	093G 39S 34 T	UDZS5.6B
	715G2564 1D	MAIN BOARD PCB
Q406	057G 417 4	PMBS3904/PHILIPS-SMT(04)
C415	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
R414	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R232	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R413	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
U703	056G1133 34	M24C02-WMN6TP
C414	065G0402224 17	CAP CER 0.22UF -20%-80%
	KEPC7QAA6	KEY BOARD
CN101	033G8032 8D	WAFER 1.25MM
R102	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R105	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R108	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R103	061G0603102	RST CHIP 1K 1/10W 5%
R106	061G0603102	RST CHIP 1K 1/10W 5%
C101	065G0603104 37	CHIP 0.1UF 50V/Y5V
C102	065G0603104 37	CHIP 0.1UF 50V/Y5V
C103	065G0603104 37	CHIP 0.1UF 50V/Y5V
C104	065G0603104 37	CHIP 0.1UF 50V/Y5V
C105	065G0603104 37	CHIP 0.1UF 50V/Y5V
SW101	077G 604 2 TO	TACT 5W BY TOUKE TS-9-TMG-553
SW102	077G 604 2 TO	TACT 5W BY TOUKE TS-9-TMG-553
SW103	077G 604 2 TO	TACT 5W BY TOUKE TS-9-TMG-553
SW104	077G 604 2 TO	TACT 5W BY TOUKE TS-9-TMG-553
SW105	077G 604 2 TO	TACT 5W BY TOUKE TS-9-TMG-553
LED101	081G 14 12 KT	CHIP LED
ZD102	093G 39P599 T	MM3Z5V6B
ZD101	093G 39P599 T	MM3Z5V6B

	715G2546 2	KEY BOARD PCB
	PWPC721HU1	POWER BOARD
CN802	033G8020 2E F	CONNECTOR
CN801	033G8020 2E F	CONNECTOR
	040G 45762412B	CBPC LABEL
	051G 6 4503	RTV
IC903	056G 139 3A	IC PC123Y22FZ0F
NR901	061G 58080 WT	8 OHM NCT
R908	061G152M104 64	100KOHM 5% 2W
R914	061G152M278 64	0.27 OHM 5% 2W
C903	063G 10747410V	0.47UF 275VAC ARCO
C801	065G 3J1506ET	15PF 5% CC45SL 3KV TDK
C902	065G305M1022BP	Y2 1000PF M 250VAC Y5P
C901	065G305M1022BP	Y2 1000PF M 250VAC Y5P
C921	065G306M4722BP	4700PF +-20% 400VAC
C905	067G 40J10115K	EC CAP 100uF 450V 18*35mm
C802	067G215D4714KV	E.C 105℃ CAP 470UF M 25V ED SERIES
C939	067G215S1024KV	EC 105℃ CAP 1000UF M 25V
C915	067G215S4713KV	EC 105℃ CAP 470UF M 16V
L902	073G 174 65 LS	LINE FILTER BY LISHIN
L901	073G 174 76 YS	CHOKE COIL
L903	073G 253191 L	CHOKE COIL 1.1uH CC-007802
L904	073G 253191 L	CHOKE COIL 1.1uH CC-007802
T901	080GL17T 42 N	X'FMR 510uH YUVA-769
T801	080GL19T 24 YS	X'FMR 1.12H YS04170127
CN901	087G 501 37 S	AC INLET ST-01DG-B2K-K
BD901	093G 50460510	2KBP08M 2A 800V
D907	093G3006 1 1	31DQ06FC3 NIHON INTER
CN902	095G801410D 57	HARNESS 9P-9P+10P 220mm
	705GQ757004	Q901 ASS'Y
Q901	057G 667 21	STP10NK70ZFP
	090G6263 1	HEAT SINK
	0M1G1730 8120	SCREW
	705GQ793026	D906 ASS'Y
D906	093G 60267	SP10100
	0M1G1730 8120	SCREW
	Q90G6274 2	HEAT SINK
IC801	056G 379 22	IC TL494IDR SOIC-16
IC901	056G 379 71	IC TEA1530AT SO-8 PHILIPS
Q902	057G 417 4	PMBS3904/PHILIPS-SMT(04)

Q803	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q811	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q806	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q801	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q804	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q812	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q809	057G 759 2	RK7002
Q810	057G 759 2	RK7002
Q808	057G 760 4B	PDTA144WK SOT346
Q805	057G 760 5B	PDTC144WK SOT346
Q802	057G 763 14	AM9945N
R827	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R942	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W
R925	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W
R826	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W
R824	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W
R822	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W
R821	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W
R818	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W
R805	061G0603100 2F	RST CHIPR 10 KOHM +-1% 1/10W
R811	061G0603100 2F	RST CHIPR 10 KOHM +-1% 1/10W
R817	061G0603100 2F	RST CHIPR 10 KOHM +-1% 1/10W
R828	061G0603100 2F	RST CHIPR 10 KOHM +-1% 1/10W
R832	061G0603100 2F	RST CHIPR 10 KOHM +-1% 1/10W
R926	061G0603100 2F	RST CHIPR 10 KOHM +-1% 1/10W
R803	061G0603105	RST CHIPR 1 MOHM +-5% 1/10W
R835	061G0603105	RST CHIPR 1 MOHM +-5% 1/10W
R862	061G0603105	RST CHIPR 1 MOHM +-5% 1/10W
R814	061G0603150 1F	RST CHIPR 1.5 KOHM +-1% 1/10W
R801	061G0603150 1F	RST CHIPR 1.5 KOHM +-1% 1/10W
R924	061G0603152	RST CHIPR 1.5 KOHM +-5% 1/10W
R831	061G0603240 1F	RST CHIPR 2.4 KOHM +-1% 1/10W
R930	061G0603240 1F	RST CHIPR 2.4 KOHM +-1% 1/10W
R940	061G0603330 2F	RST CHIPR 33 KOHM +-1% 1/10W
R813	061G0603360 1F	RST CHIPR 3.6 KOHM +-1% 1/10W
R927	061G0603360 1F	RST CHIPR 3.6 KOHM +-1% 1/10W
R809	061G0603360 1F	RST CHIPR 3.6 KOHM +-1% 1/10W
R806	061G0603360 1F	RST CHIPR 3.6 KOHM +-1% 1/10W
R808	061G0603470 2F	RST CHIPR 47 KOHM +-1% 1/10W
R820	061G0603470 2F	RST CHIPR 47 KOHM +-1% 1/10W

R802	061G0603560 2F	RST CHIPR 56 KOHM +-1% 1/10W
R807	061G0603680 2F	RST CHIPR 68 KOHM +-1% 1/10W
R841	061G0603680 2F	RST CHIPR 68 KOHM +-1% 1/10W
R853	061G0603680 2F	RST CHIPR 68 KOHM +-1% 1/10W
R837	061G0603680 2F	RST CHIPR 68 KOHM +-1% 1/10W
R851	061G0603910 1F	RST CHIPR 9.1 KOHM +-1% 1/10W
R804	061G0805101	RST CHIPR 100 OHM +-5% 1/8W
R911	061G0805102	RST CHIPR 1KOHM +-5% 1/8W
R917	061G0805102	RST CHIPR 1KOHM +-5% 1/8W
R938	061G0805103	10 KOHM 1/10W
R916	061G0805152	RST CHIPR 1.5 KOHM +-5% 1/8W
R850	061G0805220	22&8 1/10W
R839	061G0805220	22&8 1/10W
R829	061G0805220	22&8 1/10W
R825	061G0805220	22&8 1/10W
R912	061G0805220 2F	RST CHIPR 22 KOHM +-1% 1/8W
R915	061G0805224	RST CHIPR 220 KOHM +-5% 1/8W
R810	061G0805510 2F	RST CHIPR 51 KOHM +-1% 1/8W
R931	061G0805822	RST CHIPR 8.2 KOHM +-5% 1/8W
F801	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
F902	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
R967	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
JR901	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
JR801	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
JR802	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
R910	061G1206100	RST CHIP 10R 1/4W 5%
R909	061G1206100	RST CHIP 10R 1/4W 5%
R918	061G1206101	100 1206
R919	061G1206101	100 1206
R920	061G1206101	100 1206
R935	061G1206101	100 1206
R961	061G1206101	100 1206
R962	061G1206101	100 1206
R921	061G1206102	RST CHIPR 1 KOHM +-5% 1/4W
R922	061G1206102	RST CHIPR 1 KOHM +-5% 1/4W
R923	061G1206102	RST CHIPR 1 KOHM +-5% 1/4W
R928	061G1206102	RST CHIPR 1 KOHM +-5% 1/4W
R929	061G1206102	RST CHIPR 1 KOHM +-5% 1/4W
R855	061G1206330	RST CHIPR 33 OHM +-5% 1/4W
R812	061G1206330	RST CHIPR 33 OHM +-5% 1/4W

R904	061G1206472	RST CHIPR 4.7 KOHM +-5% 1/4W
R932	061G1206472	RST CHIPR 4.7 KOHM +-5% 1/4W
R933	061G1206472	RST CHIPR 4.7 KOHM +-5% 1/4W
R901	061G1206684	RST CHIPR 680 KOHM +-5% 1/4W
R902	061G1206684	RST CHIPR 680 KOHM +-5% 1/4W
R903	061G1206684	RST CHIPR 680 KOHM +-5% 1/4W
C823	065G0603103 12	chip 0.01uf 16v x7r
C819	065G0603103 12	chip 0.01uf 16v x7r
C924	065G0603103 12	chip 0.01uf 16v x7r
C842	065G0603103 12	chip 0.01uf 16v x7r
C825	065G0603104 22	CHIP 0.1UF 25V X7R
C821	065G0603104 22	CHIP 0.1UF 25V X7R
C807	065G0603104 22	CHIP 0.1UF 25V X7R
C834	065G0603223 22	CHIP 25V X7R 0603 22NF
C803	065G0805102 31	1000PF 50V NPO
C910	065G0805102 31	1000PF 50V NPO
C839	065G0805102 31	1000PF 50V NPO
C824	065G0805104 32	CHIP 0.1U 50V X7R
C907	065G0805104 32	CHIP 0.1U 50V X7R
C916	065G0805104 32	CHIP 0.1U 50V X7R
C930	065G0805104 32	CHIP 0.1U 50V X7R
C931	065G0805104 32	CHIP 0.1U 50V X7R
C822	065G0805105 22	CHIP 1UF 25V X7R 0805
C911	065G0805105 22	CHIP 1UF 25V X7R 0805
C928	065G0805122 31	CHIP CAP 0805 1200PF J 50V NPO
C820	065G0805221 31	220PF 50V NPO
C909	065G0805224 32	0.22UF,K,50V,X7R
C845	065G0805225 12	CHIP 2.2UF 16V X7R 0805
C912	065G1206102 72	CHIP 1000PF 500V X7R
C929	065G1206102 72	CHIP 1000PF 500V X7R
D801	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D802	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D805	093G 64 38 D	DIODE BAW56 DIODES
ZD922	093G 39S 25 T	RLZ5.1B LLDS
ZD921	093G 39S 40 T	RLZ 13B LLDS
ZD902	093G 39S 40 T	RLZ 13B LLDS
D813	093G 64S511SEM	IN4148W
D814	093G 64S511SEM	IN4148W
D817	093G 64S511SEM	IN4148W
D903	093G 64S511SEM	IN4148W

D915	093G 64S511SEM	IN4148W
D916	093G 64S511SEM	IN4148W
CN901	006G 31500	EYELET
NR901	006G 31502	1.5MM RIVET
T901	006G 31502	1.5MM RIVET
C938	065G 2K152 1T GP	CERAMIC CAP
C906	065G 2K152 1T6921	1.5NF/2KV Y5P +-10%
C908	067G215Y2207KT	CAP 105℃ 22UF M 50V KINGNICHI
FB901	071G 55 29	FERRITE BEAD
F901	084G 55 1W	FUSE 4A 250V Wickmann
D901	093G 6038P52T	PS102R
D900	093G1100 1052T	BA159GPT DO-41 CHENMKO
	715G2664 1	POWER BOARD PCB
IC904	056G 158 7	AP431V TO-92BY ATC
	Q01G6019 2	SCREW
	Q07G 7 T197	COMPOUND PALLET
	Q40G 17N68025A	RATING LABEL
	Q40G000268013A	TRY ME LABEL
	Q40G000268014A	TCO' 03 LABEL
	Q40G000268031A	SPLENDID LABEL
	Q41G780068024A	china warranty card
	Q44G6002123 93	PAPER BOARD
	Q44G6002CP214A	PAPER CAP
	Q44G7067101	EPS(L)
	Q44G7067201	EPS(R)
	Q44G7067680 2A	CARTON
	Q45G 76 28V13 R	pe bag
	Q45G 88607 25	PE BAG FOR BASE
	Q45G 88609 86	EPE COVER
	Q45G 88614 31 R	CARTON PE BAG
	Q52G 1185 69	ASUS BIG TAPE
	Q52G 1211571	ÂÁ²
	040G 58162435A	LABEL
	041G780061537A	TCO'03 CARD
	Q41G780068036A	qsg
	Q45G 76 28 RN R	PE BAG MANUAL
	Q70G1700680 4A	CD MANUAL

12. Different Part List

Diversity of T77GMRHT8WUSAN Compared with T77HMRDD8WUSAN		
Location	**Part No.**	**Description**
	040G 582680 1A	CARTON LABEL
	089G 728CAA DB	D-SUB
	089G402A18N IS	POWER CORD/(TPV 共用) 32E1818019
E750L	750GLG71W3A11N	PANEL LM171WX3-TLA1 KR LPL
	A15G0244201	MAINFRAME
	CBPC7GMRU1Q1	MAIN BOARD
	Q40G 17N68026A	RATING LABEL
	Q40G000268031B	SPLENDID LABEL
	Q41G780068026B	TW WARRANTY CARD NON ZBD
	Q44G7067680 3B	CARTON
	041G 68615 4B	TCO'99 CARD

Diversity of T77HMRDT8WUSAN Compared with T77HMRDD8WUSAN		
Location	**Location**	**Location**
	089G402A18N LS	POWER CORD
	Q40G000268031B	SPLENDID LABEL
	Q41G780068026B	TW WARRANTY CARD NON ZBD
	Q44G7067680 1B	CARTON
	040G 582680 1A	CARTON LABEL

The BOM of T77HMRDD8WUSAZ is the same as T77HMRDD8WUSAN.