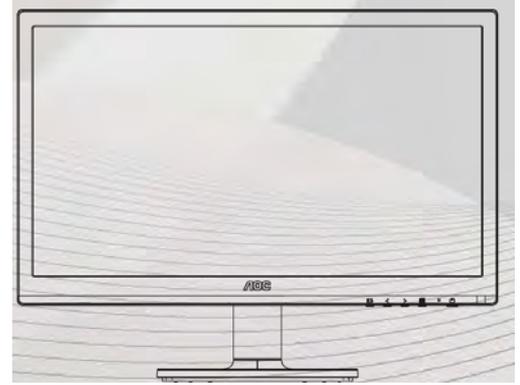


Service
Service
Service



Service Manual

Horizontal Frequency
30-83 KHz

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SAFETY NOTICE

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

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

Important Safety Notice

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

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

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

WARNING

Use of substitute replacement parts, which do not have the same, specified safety characteristics 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.)

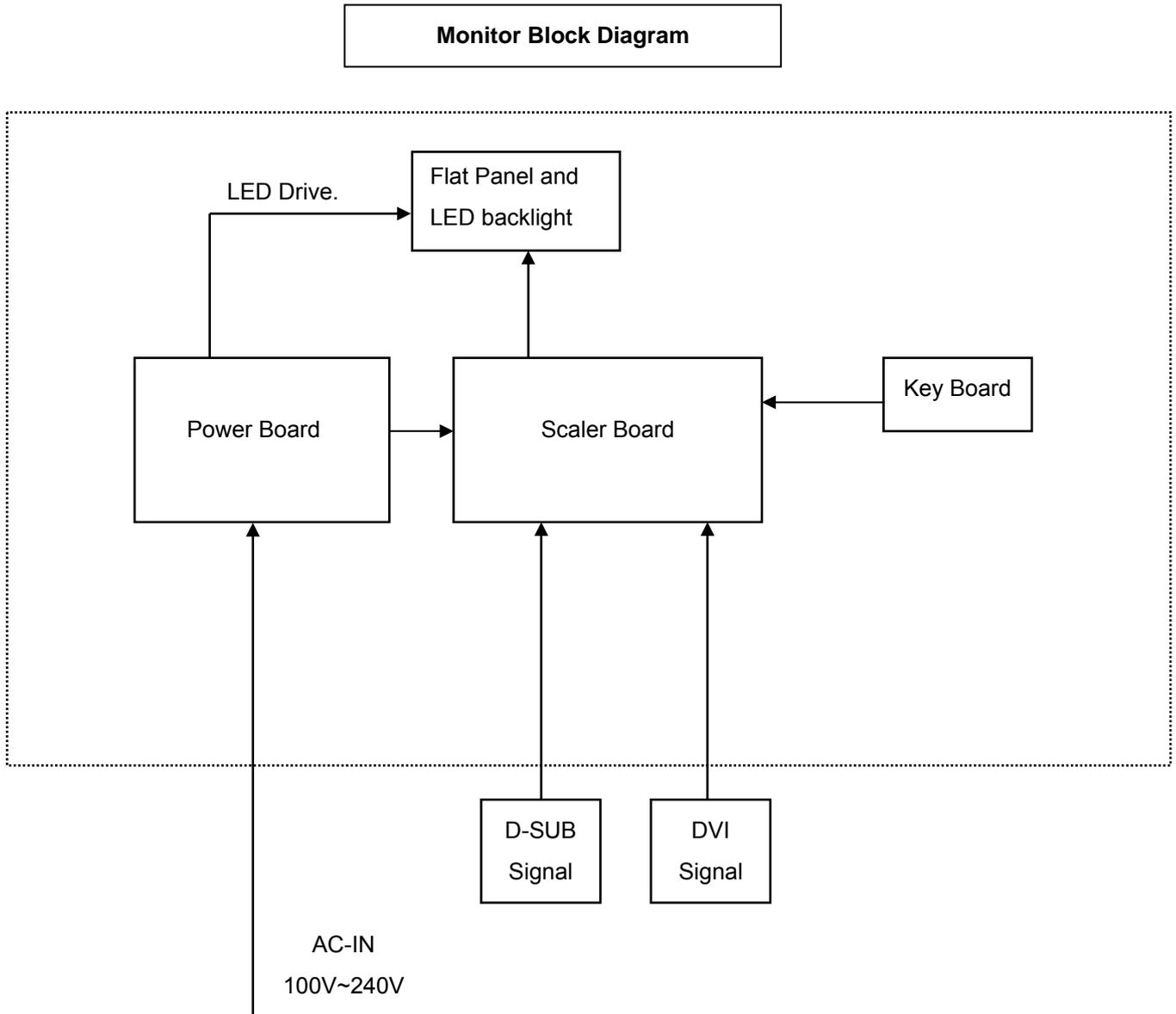
1. Monitor Specifications

Panel	Model name	E2260S _{WD}	
	Driving system	TFT Color LCD	
	Viewable Image Size	54.7 cm diagonal	
	Pixel pitch	0.0827*RGB (H) mm x 0.248 (V) mm	
	Video	R, G, B Analog Interface & Digital Interface	
	Separate Sync.	H/V TTL	
	Display Color	16.7M Colors	
	Dot Clock	144 MHz	
Resolution	Horizontal scan range	30 kHz - 83 kHz	
	Horizontal scan Size(Maximum)	476.64mm	
	Vertical scan range	56 Hz - 76 Hz	
	Vertical scan Size(Maximum)	268.11mm	
	Optimal preset resolution	1920×1080@60Hz	
	Plug & Play	VESA DDC2B/CI	
	Input Connector	D-Sub 15pin.DVI-D.	
	Input Video Signal	Analog: 0.7Vp-p(standard), 75 OHM, TMDS	
	Power Source	100-240V~, 50/60Hz	
	Power Consumption	Active	< 25W(typical)
		Standby	< 0.5 W
	Off timer	0-24 hrs	
Speakers			
Physical Characteristics	Connector Type	15-pin Mini D-Sub.DVI-D	
	Signal Cable Type	Detachable	
	Dimensions & Weight:		
	Height (with base)	373 mm	
	Width	511 mm	
	Depth	185 mm	
	Weight (monitor only)	2.676kg	
Environmental	Temperature:		
	Operating	0° to 40°	
	Non-Operating	-25°to 55°	
	Humidity:		
	Operating	10% to 85% (non-condensing)	
	Non-Operating	5% to 93% (non-condensing)	

	Altitude:	
	Operating	0~ 3658m (0~ 12000 ft)
	Non-Operating	0~ 12192m (0~ 40000 ft)

2. LCD Monitor Description

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



3. Operating Instructions

3.1 General Instructions

Press the power button to turn the monitor on or off. The other control knobs are located at front panel of the monitor. By changing these settings, the picture can be adjusted to your personal preferences.

3.2 Hotkeys



Power

Press the Power button to turn on/off the monitor.

Eco (DCR)/ <

Press the Eco key to select the Eco mode of brightness and DCR on when there is no OSD. (Eco mode hot key may not be available in all models).

4:3 or wide image ratio />

When there is no OSD, press > hotkey continuously to change 4:3 or wide image ratio. (If the product screen size is 4:3 or input signal resolution is wide format, the hot key is disable to adjust.)

Auto / Exit

When there is no OSD, press Auto/Source button continuously to do auto configure .

Source hot key

When the OSD is closed, press Source button will be Source hot key function. Press Source button to select the input source showed in the message bar , press Menu/Enter button to change to the source selected.

3.3 OSD Setting



- 1) Press the **MENU-button** to activate the OSD window.
- 2) Press **<or >** to navigate through the functions. Once the desired function is highlighted, press the **MENU-button** to activate it . press **<or >** to navigate through the sub-menu functions. Once the desired function is highlighted, press **MENU-button** to activate it.
- 3) Press **<or >**to change the settings of the selected function. Press **AUTO** to exit. If you want to adjust any other function, repeat steps 2-3.
- 4) OSD Lock Function: To lock the OSD, press and hold the **MENU button** while the monitor is off and then press **power button** to turn the monitor on. To un-lock the OSD - press and hold the **MENU button** while the monitor is off and then press **power button** to turn the monitor on.

Notes:

- 1) If the product has only one signal input, the item of "Input Select" is disable to adjust.
- 2) If the product screen size is 4:3 or input signal resolution is wide format, the item of "Image Ratio" is disable to adjust.
- 3) One of DCR, Color Boost, and Picture Boost functions is active, the other two function is turned off accordingly.

Luminance



1

Press **MENU** (Menu) to display menu

2



Press **<** or **>** to select  (Luminance), and press **MENU** to enter

3



Press **<** or **>** to select submenu, and press to **MENU** enter.

4



Press < or > to adjust
5



Press **AUTO** to exit.

	Brightness	0-100		Backlight Adjustment
	Contrast	0-100		Contrast from Digital-register.
	Eco mode	Standard		Standard Mode
		Text		Text Mode
		Internet		Internet Mode
		Game		Game Mode
		Movie		Movie Mode
		Sports		Sports Mode
	Gamma	Gamma1		Adjust to Gamma1
		Gamma2		Adjust to Gamma 2
Gamma3		Adjust to Gamma 3		
DCR	Off		Disable dynamic contrast ratio	
	On		Enable dynamic contrast ratio	

Image Setup

1



Press **MENU** (Menu) to display menu

2



Press < or > to select  (Image Setup), and press **MENU** to enter.

3



Press < or > to select submenu, and press **MENU** to enter.

4



Press < or > to adjust.

5



Press **AUTO** to exit.

	Clock	0-100	Adjust picture Clock to reduce Vertical-Line noise.
	Phase	0-100	Adjust Picture Phase to reduce Horizontal-Line noise
	Sharpness	0-100	Adjust picture sharpness
	H.Position	0-100	Adjust the horizontal position of the picture.
	V.Position	0-100	Adjust the vertical position of the picture.

Color Setup

1



Press **MENU** (Menu) to display menu.

2



Press < or > to select  (Color Setup), and press **MENU** to enter.

3



Press < or > to select submenu, and press **MENU** to enter.

4



Press < or > to adjust.



Press **AUTO** to exit.

	Color setup.	Warm		Recall Warm Color Temperature from EEPROM.
		Normal		Recall Normal Color Temperature from EEPROM.
		Cool		Recall Cool Color Temperature from EEPROM.
		sRGB		Recall SRGB Color Temperature from EEPROM.
	User	Red		Red Gain from Digital-register
		Green		Green Gain Digital-register.
		Blue		Blue Gain from Digital-register
	DCB Mode	Full Enhance	on or off	Disable or Enable Full Enhance Mode
		Nature Skin	on or off	Disable or Enable Nature Skin Mode
		Green Field	on or off	Disable or Enable Green Field Mode
		Sky-blue	on or off	Disable or Enable Sky-blue Mode
AutoDetect		on or off	Disable or Enable AutoDetect Mode	
DCB Demo		On or off	Disable or Enable Demo	

Picture Boost

1



Press **MENU** (Menu) to display menu.

2



Press **<** or **>** to select  (Picture Boost), and press **MENU** to enter.

3



Press **<** or **>** to select submenu, and press **MENU** to enter.

4



Press < or > to adjust.

5



Press **AUTO** to exit.

	Frame Size	14-100	Adjust Frame Size
	Brightness	0-100	Adjust Frame Brightness
	Contrast	0-100	Adjust Frame Contrast
	H. position	0-100	Adjust Frame horizontal Position
	V. position	0-100	Adjust Frame vertical Position
	Bright Frame	on or off	Disable or Enable Bright Frame

OSD Setup

1



Press **MENU** (Menu) to display menu.

2



Press **<** or **>** to select  (OSD Setup), and press **MENU** to enter.

3



Press **<** or **>** to select submenu, and press **MENU** to enter.

4



Press < or > to adjust.

5



Press **AUTO** to exit.

	H.Position	0-100	Adjust the horizontal position of OSD
	V.Position	0-100	Adjust the vertical position of OSD
	Timeout	5-120	Adjust the OSD Timeout
	Transparence	0-100	Adjust the transparence of OSD
	Language		Select the OSD language

Extra

1



Press **MENU** (Menu) to display menu.

2



Press **<** or **>** to select  (Extra), and press **MENU** to enter.

3



Press **<** or **>** to select submenu, and press **MENU** to enter.

4



Press **<** or **>** to adjust.

5



Press **AUTO** to exit.

	Input Select	Auto /D-SUB/DVI	Select Input Signal Source
	Auto Config	yes or no	Auto adjust the picture to default
	Off timer	0-24hrs	Select DC off time
	Image Ratio	wide or 4:3	Select wide or 4:3 format for display
	DDC-CI	yes or no	Turn ON/OFF DDC-CI Support
	Reset	Yes or no	Reset the menu to default
	Information		Show t he infor mation of the main image and sub-image source

Exit

1



Press **MENU** (Menu) to display menu.

2



Press **<** or **>** to select  (Exit), and press **MENU** to exit.

	Exit		Exit the main OSD
---	------	--	-------------------

LED Indicator

Status

LED Color

Full Power Mode

Green



Active-off Mode

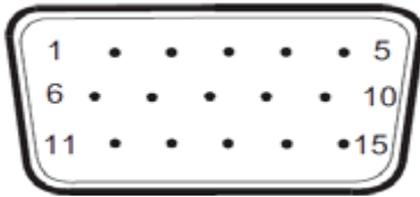
Orange



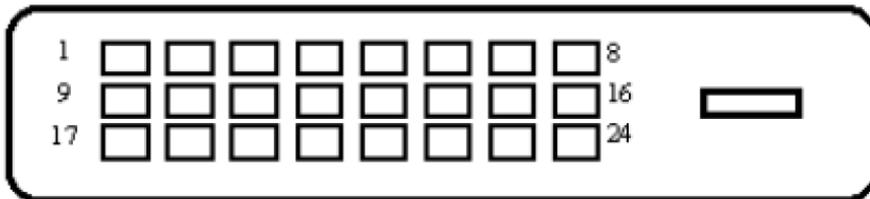
4. Input/Output Specification

4.1 D-SUB connectors and DVI connectors

Pin Assignments



Pin Number	15-Pin Side of the Signal Cable	Pin Number	15-Pin Side of the Signal Cable
1	Video-Red	9	+5V
2	Video-Green	10	Ground
3	Video-Blue	11	N.C.
4	N.C.	12	DDC- Serial data
5	Detect Cable	13	H- sync
6	GND-R	14	V- sync
7	GND-G	15	DDC- Serial clock
8	GND-B		



Pin No.	Signal Name	Pin No.	Signal Name	Pin No.	Signal Name
1	TMDS Data 2-	9	TMDS Data 1-	17	TMDS Data 0-
2	TMDS Data 2+	10	TMDS Data 1+	18	TMDS Data 0+
3	TMDS Data 2/4 Shield	11	TMDS Data 1/3 Shield	19	TMDS Data 0/5 Shield
4	TMDS Data 4-	12	TMDS Data 3-	20	TMDS Data 5-
5	TMDS Data 4+	13	TMDS Data 3+	21	TMDS Data 5+
6	DDC Clock	14	+5V Power	22	TMDS Clock Shield
7	DDC Data	15	Ground(for+5V)	23	TMDS Clock +
8	N.C.	16	Hot Plug Detect	24	TMDS Clock -

4.2 Factory Preset Display Modes

STANDARD	RESOLUTION	HORIZONTAL FREQUENCY(kHZ)	VERTICAL FREQUENCY(Hz)
VGA	640x480@60Hz	31.469	59.94
VGA	640x480@72Hz	37.861	72.809
VGA	640x480@75Hz	37.5	75
SVGA	800x600@56Hz	35.156	56.25
SVGA	800x600@60Hz	37.879	60.317
SVGA	800x600@72Hz	48.077	72.188
SVGA	800x600@75Hz	46.875	75
XGA	1024x768@60Hz	48.363	60.004
XGA	1024x768@70Hz	56.476	70.069
XGA	1024x768@75Hz	60.023	75.029
WXGA+	1440x900@60Hz	55.935	59.887
WXGA+	1440x900@60Hz	55.469	59.901
WSXGA	1680x1050@60Hz	65.290	59.954
WSXGA	1680x1050@60Hz	64.674	59.883
HD	1920x1080@60Hz	67.500	60.000
SXGA	1152x864@75HZ	67.500	75.000
SXGA	1280x960@60HZ	60.000	60.000
DOS	640x350@70Hz	31.469	70.087
DOS	720x400@70Hz	31.469	70.087
MAC MODE VGA	640x480@67Hz	35.000	66.667
MAC MODE SVGA	832x624@75Hz	49.725	74.551
MAC MODE XGA	1024x768@75Hz	60.241	74.927

4.3 Panel Specification

4.3.1 General Features

BM215WF4-TJC1 is a Color Active Matrix Liquid Crystal Display with an integral Light Emitting Diode (LED) backlight system. The matrix employs a-Si Thin Film Transistor as the active element. It is a transmissive type display operating in the normally white mode. It has a 21.5 inch diagonally measured active display area with Full HD resolution (1080 vertical by 1920 horizontal pixel array) Each pixel is divided into Red, Green and Blue sub-pixels or dots which are arranged in vertical stripes. Gray scale or the brightness of the sub-pixel color is determined with a 8-bit gray scale signal for each dot, thus, presenting a palette of more than 16,7M colors with Advanced-FRC(Frame Rate Control). It has been designed to apply the interface method that enables low power, high speed, low EMI. FPD Link or compatible must be used as a LVDS(Low Voltage Differential Signaling) chip. It is intended to support applications where thin thickness, wide viewing angle, low power are critical factors and graphic displays are important. In combination with the vertical arrangement of the sub-pixels, the BM215WF4-TJC1 characteristics provide an excellent flat panel display for office automation products such as monitors.

4.3.2 Display Characteristics

Active screen size	21.53 inches(546.86mm) diagonal
Outline Dimension	498.9 (H) x 292.2 (V) x 8.4 (D) mm(Typ.)
Pixel Pitch	0.0827*RGB(H)mm x 0.248(V)mm
Pixel Format	1920 horiz. By 1080 vert. Pixels RGB stripes arrangement
Interface	LVDS 2Port
Color depth	16.7M colors
Luminance, white	250 cd/m ² (Center 1Point, typ)
Viewing Angle (CR>10)	R/L 170(Typ.), U/D 160(Typ.)
Power Consumption	Total 16.3 W(Typ.), (5.0 W@V _{LCD} , 11.3 W@W/O Driver)
Weight	1240 g (Typ.)
Display operating mode	Transmissive mode, Normally White
Surface treatments	Hard coating (3H), Anti-glare treatment of the front polarizer
Color Gamut	72%(Typ.) CIE 1931

4.3.3 Electrical Characteristics

Parameter	Symbol	Values			Unit	Notes
		Min	Typ	Max		
MODULE :						
Power Supply Input Voltage	V_{LCD}	4.5	5.0	5.5	Vdc	
Permissive Power Input Ripple	V_{LCD}	-	-	0.3	V	3
Power Supply Input Current	$I_{LCD-MOSAIC(60Hz)}$	-	1000	1300	mA	1,5
	$I_{LCD-BLACK(60Hz)}$	-	1300	1690	mA	2,5
	$I_{LCD-BLACK(75Hz)}$		-	2000	mA	5
Power Consumption	P_{LCD}	-	5.00	6.5	Watt	1
Inrush current	I_{RUSH}	-	-	3.0	A	1, 4

LED bar Electrical characteristics

Parameter	Symbol	Condition	Values			Unit	Notes
			Min.	Typ.	Max.		
LED :							1,7
LED String Current	I_s		-	110	120	mA	2,7
LED String Voltage	V_s		48.0	51.2	54.4	V	3,7
Power Consumption	P_{Bar}		-	11.3	12.0	Watt	4,6,7
LED Life Time	LED_LT		30,000	-	-	Hrs	5,7

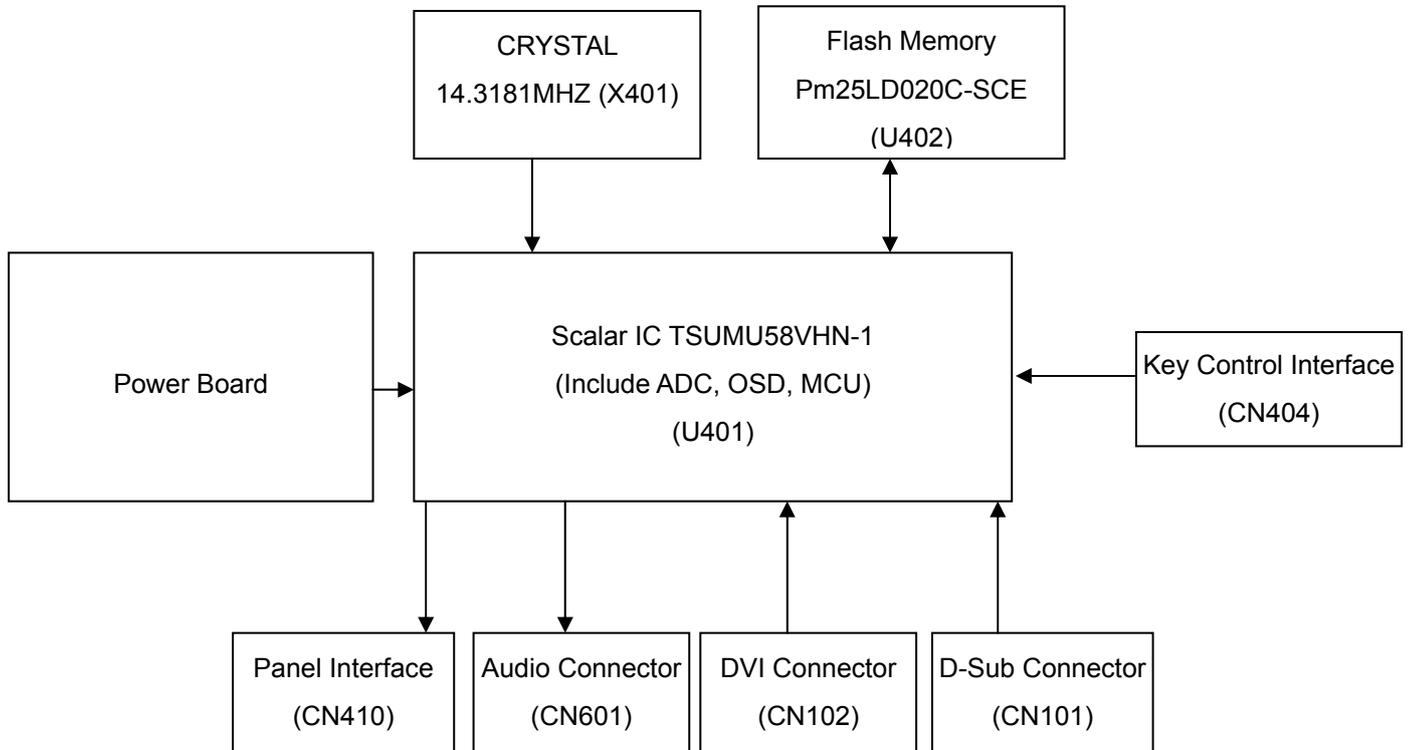
4.3.4 Optical Characteristics

Ta= 25°C, VLCD=5.0V, fv=60Hz, DCLK= 72.0MHz, Is=110mA

Parameter	Symbol		Values			Units	Notes
			Min	Typ	Max		
Contrast Ratio	CR		700	1000	-		1 (PR-880)
Surface Luminance, white	LWH		200	250	-	cd/m2	2 (PR-880)
Luminance Variation	δ WHITE	9P	75	-	-	%	3 (PR-880)
Response Time	Rise Time	TrR	-	1.3	2.6	ms	4 (RD80S)
	Decay Time	TrD	-	3.7	7.4	ms	
Color Coordinates [CIE1931]	RED	Rx	Typ -0.03	0.642	Typ +0.03		(PR-650)
		Ry		0.332			
	GREEN	Gx		0.305			
		Gy		0.625			
	BLUE	Bx		0.150			
		By		0.068			
	WHITE	Wx		0.313			
		Wy		0.329			
Viewing Angle (CR>5)							5 (PR-880)
	x axis, right($\phi=0^\circ$)	θ_r	75	88		Degree	
	x axis, left ($\phi=180^\circ$)	θ_l	75	88			
	y axis, up ($\phi=90^\circ$)	θ_u	70	85			
	y axis, down ($\phi=270^\circ$)	θ_d	70	85			
Viewing Angle (CR>10)							
	x axis, right($\phi=0^\circ$)	θ_r	70	85		Degree	
	x axis, left ($\phi=180^\circ$)	θ_l	70	85			
	y axis, up ($\phi=90^\circ$)	θ_u	60	75			
	y axis, down ($\phi=270^\circ$)	θ_d	70	85			
Crosstalk					1.5	%	6(PR880)
Luminance uniformity - Angular dependence (TCO'03)		LR	-	-	1.7		7 (PR880)
Color grayscale linearity		$\Delta u'v'$		0.018			9 (PR-650)

5. Block Diagram

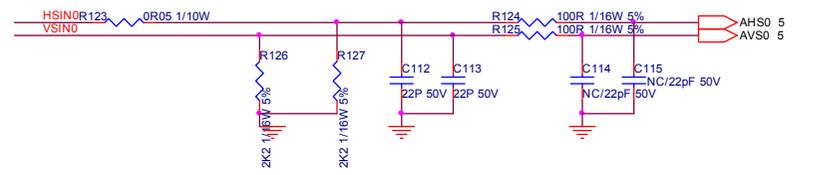
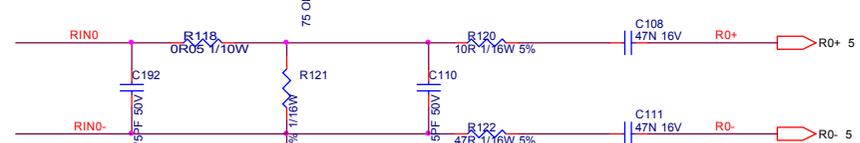
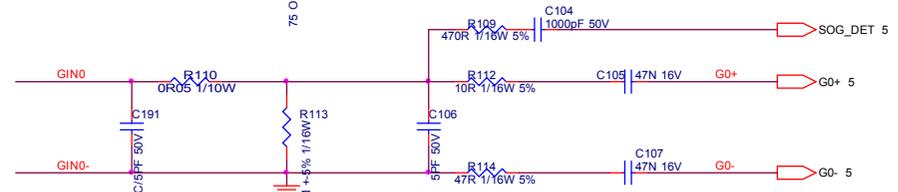
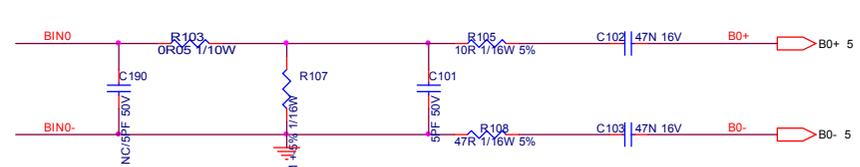
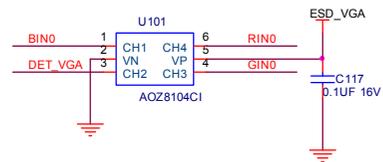
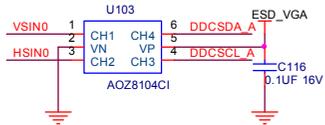
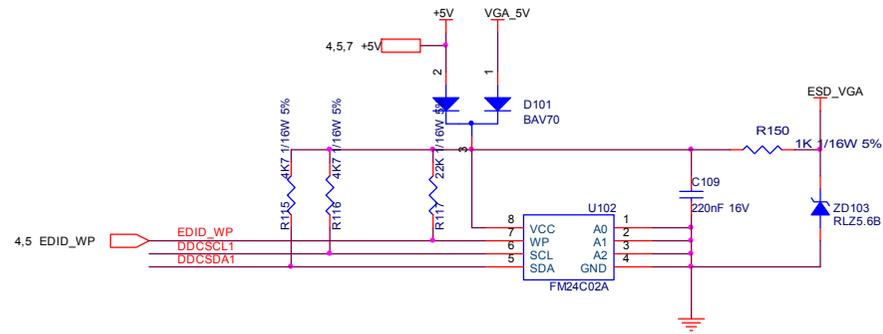
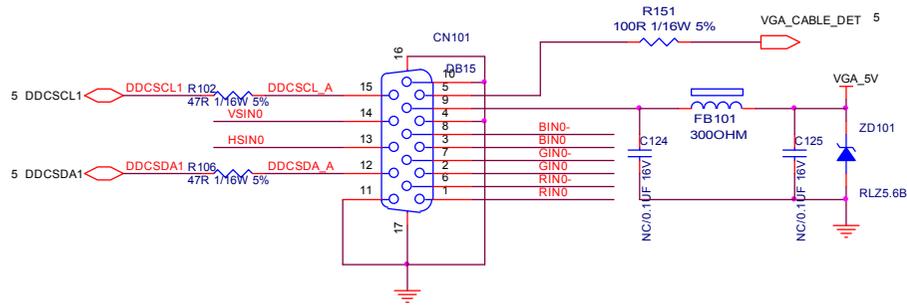
5.1 Main Board



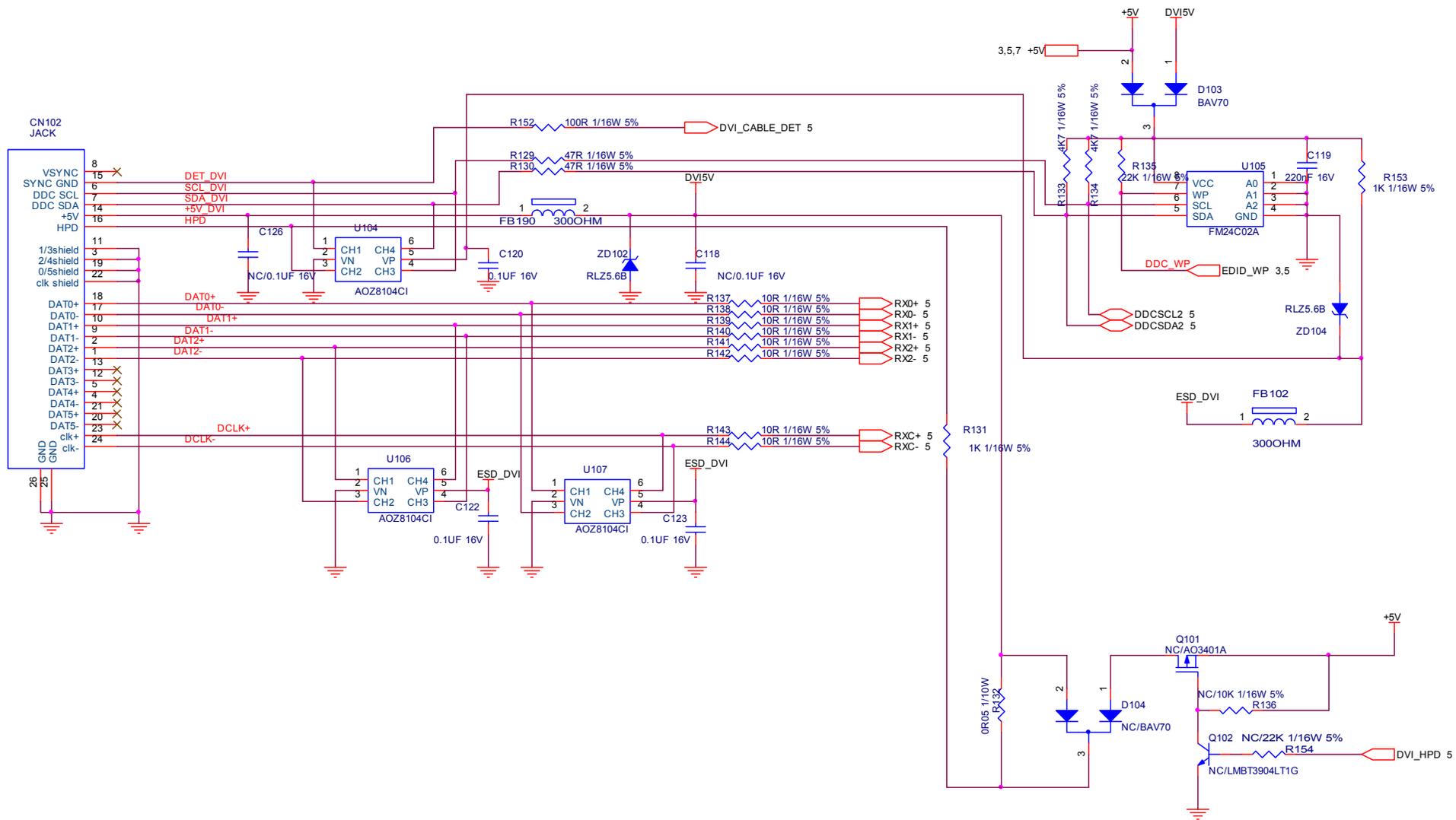
6. Schematic

6.1 Main Board

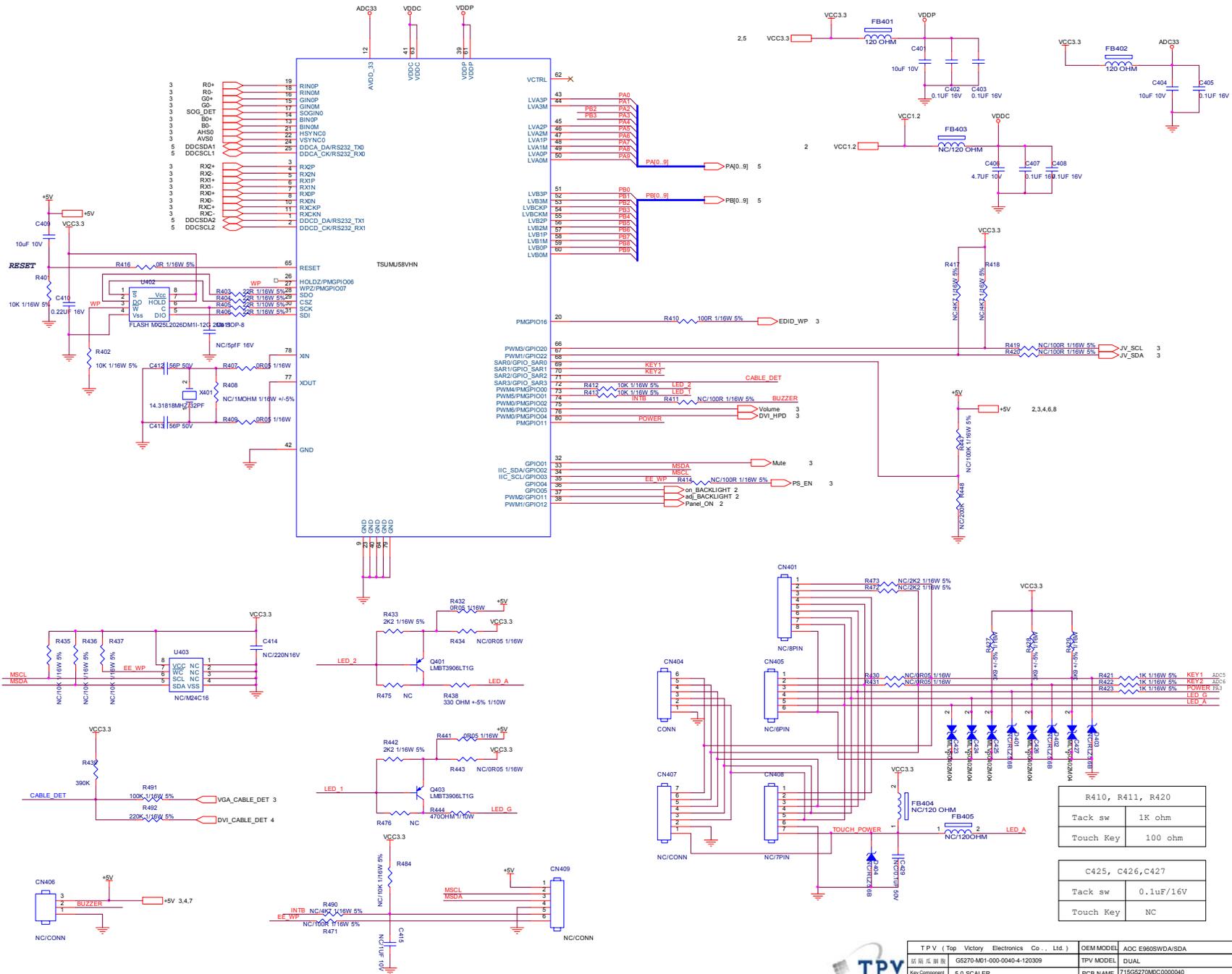
715G5270M01000004L



TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	AOC E960SWDA/SDA	Size	B
新開瓜網製	G5270-M01-000-0040-4-120309	DUAL	Rev	1
Key Component	D-SUB I/O	PCB NAME	715G5270M0C0000040	稱號
Date	Friday, March 09, 2012	Sheet	3 of 7	<稱號>



TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	AOC E960SWDA/SDA	Size	B
碓隔瓜網股	G5270-M01-000-0040-4-120309	TPV MODEL	DUAL	Rev
Key Component	DVI	PCB NAME	715G5270M0C0000040	称爹
Date	Friday, March 09, 2012	Sheet	4 of 7	<称爹>

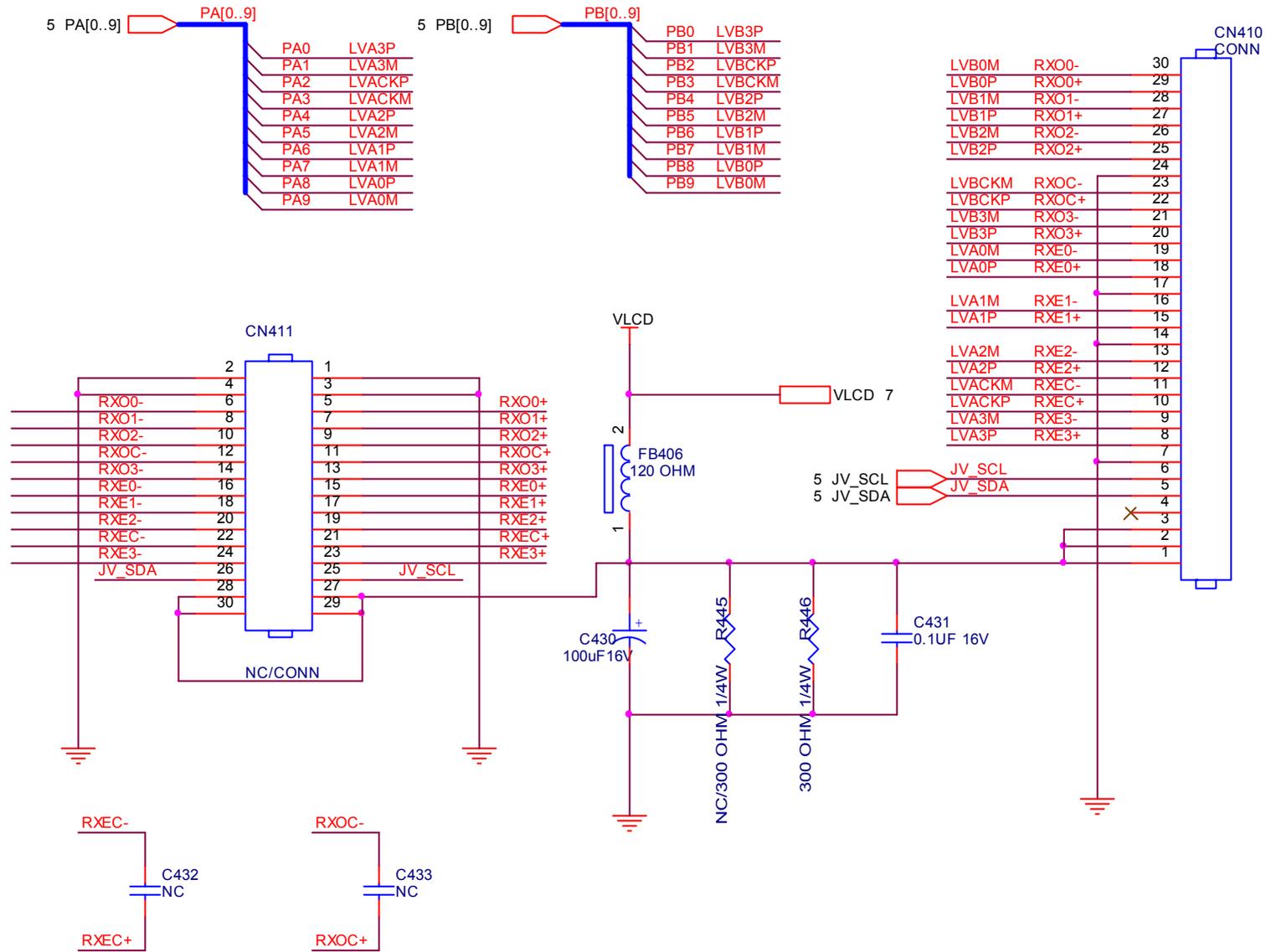


R410, R411, R420	Tack sw	1K ohm
	Touch Key	100 ohm

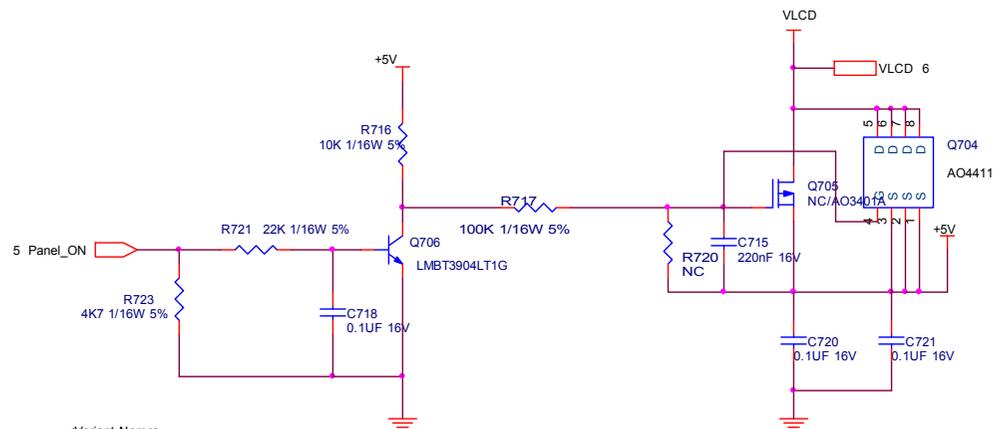
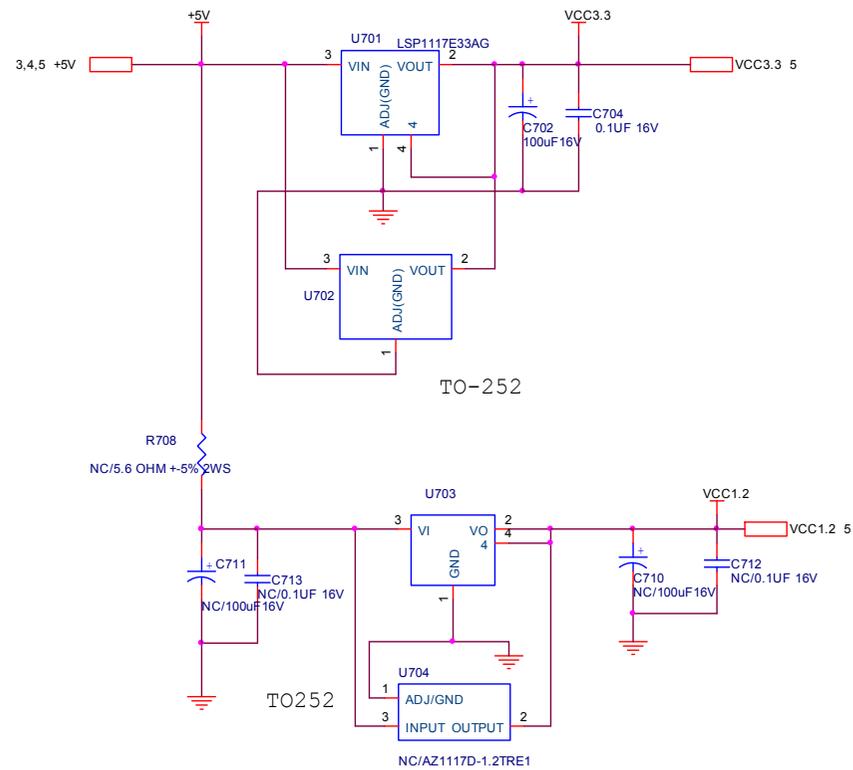
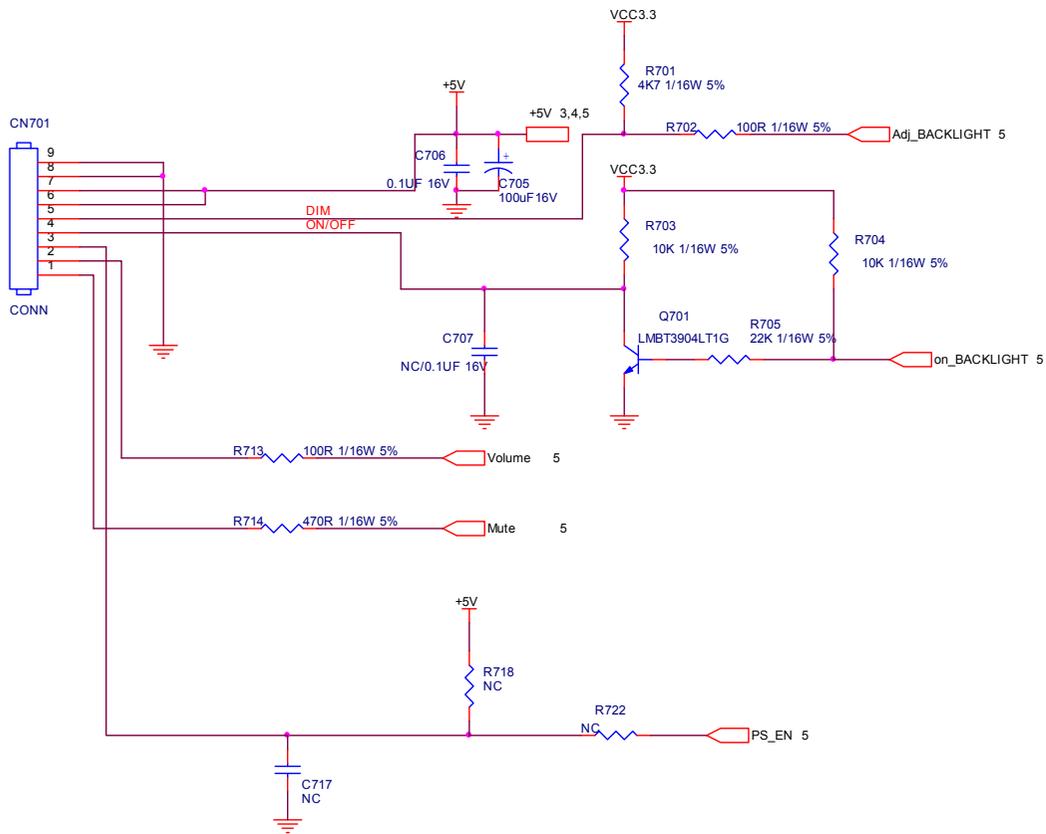
C425, C426, C427	Tack sw	0.1uF/16V
	Touch Key	NC



TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	AOC E9608WDA/SDA	Size	C
冠捷电子	GS270-M01-000-0040-4-120309	TPV MODEL	DUAL	Rev
Key Component	5.0.SCALER	PCB NAME	715GS270M0C0000040	1
Date	Friday, March 09, 2012	Sheet	5 of 7	陈勇



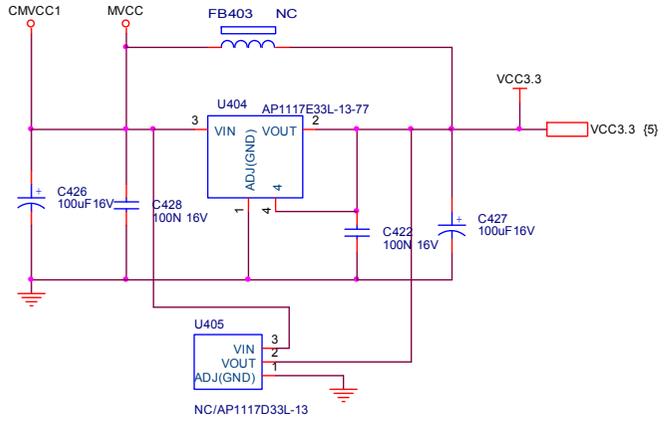
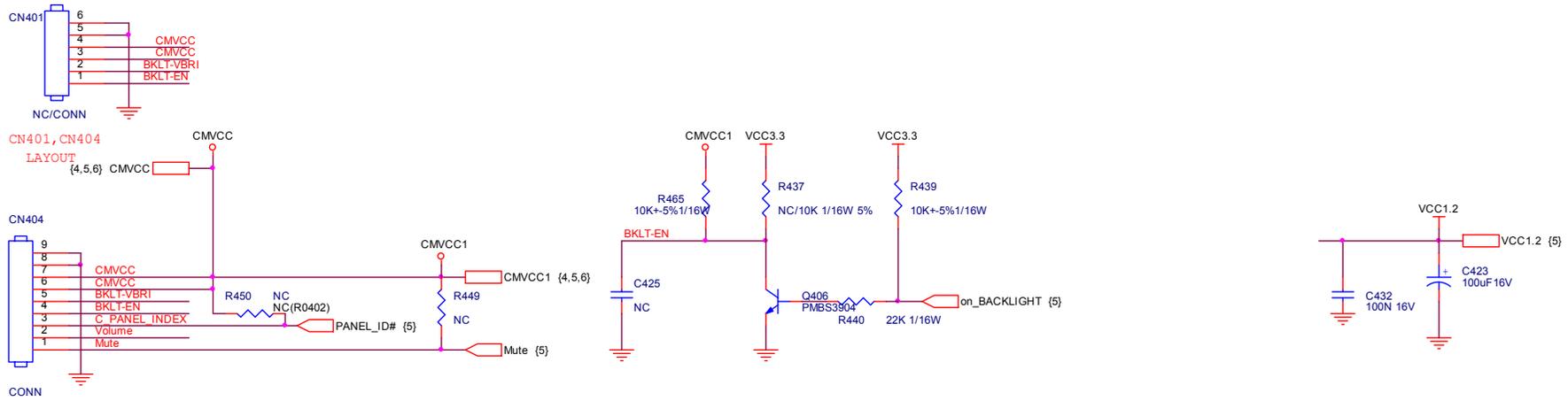
TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	AOC E960SWDA/SDA	Size	A
結構瓜網腹	G5270-M01-000-0040-4-120309	TPV MODEL	DUAL	Rev
Key Component	LVDS PANEL I/O	PCB NAME	715G5270M0C0000040	稱爹
Date	Friday, March 09, 2012	Sheet	6 of 7	<稱爹>



<Variant Name>

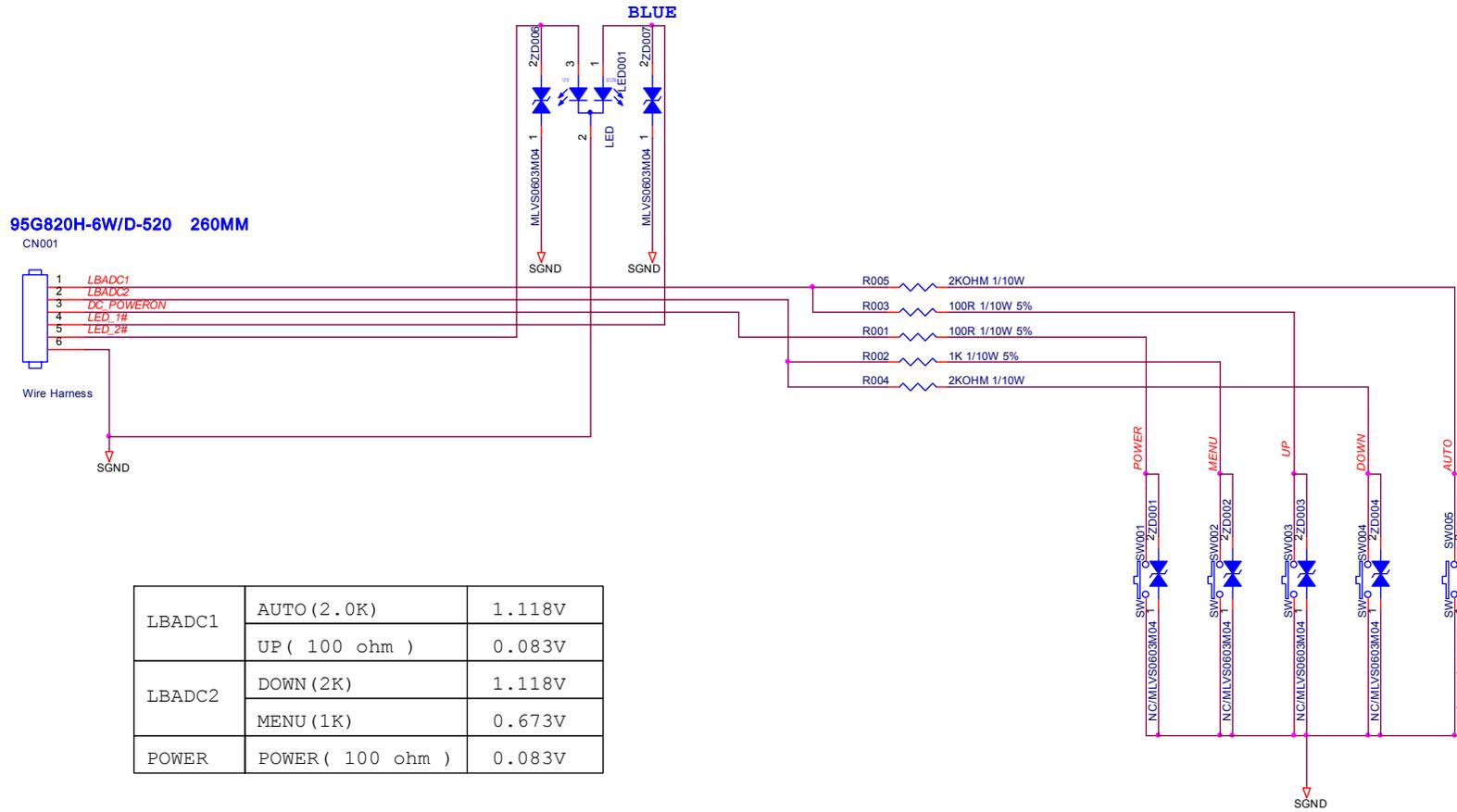


TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	AOC E960SWDA/SDA	Size	B
絲隔瓜網膜	G5270-M01-000-0040-4-120309	TPV MODEL	DUAL	Rev
Key Component	POWER	PCB NAME	715G5270M0C0000040	稱號
Date	Friday, March 09, 2012	Sheet	7 of 7	<稱號>

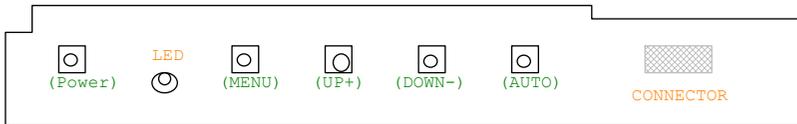


TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	VS19W	Size	B	
結構圖網表	G5265-M0B-000-004K	TPV MODEL	VS19W	Rev	F
Key Component	05.Power	PCB NAME	715G5265-M0B-000-004K	称差	<称差>
Date	Friday, December 23, 2011	Sheet	6 of 6		

6.2 Key Board 715G5357K0300001R

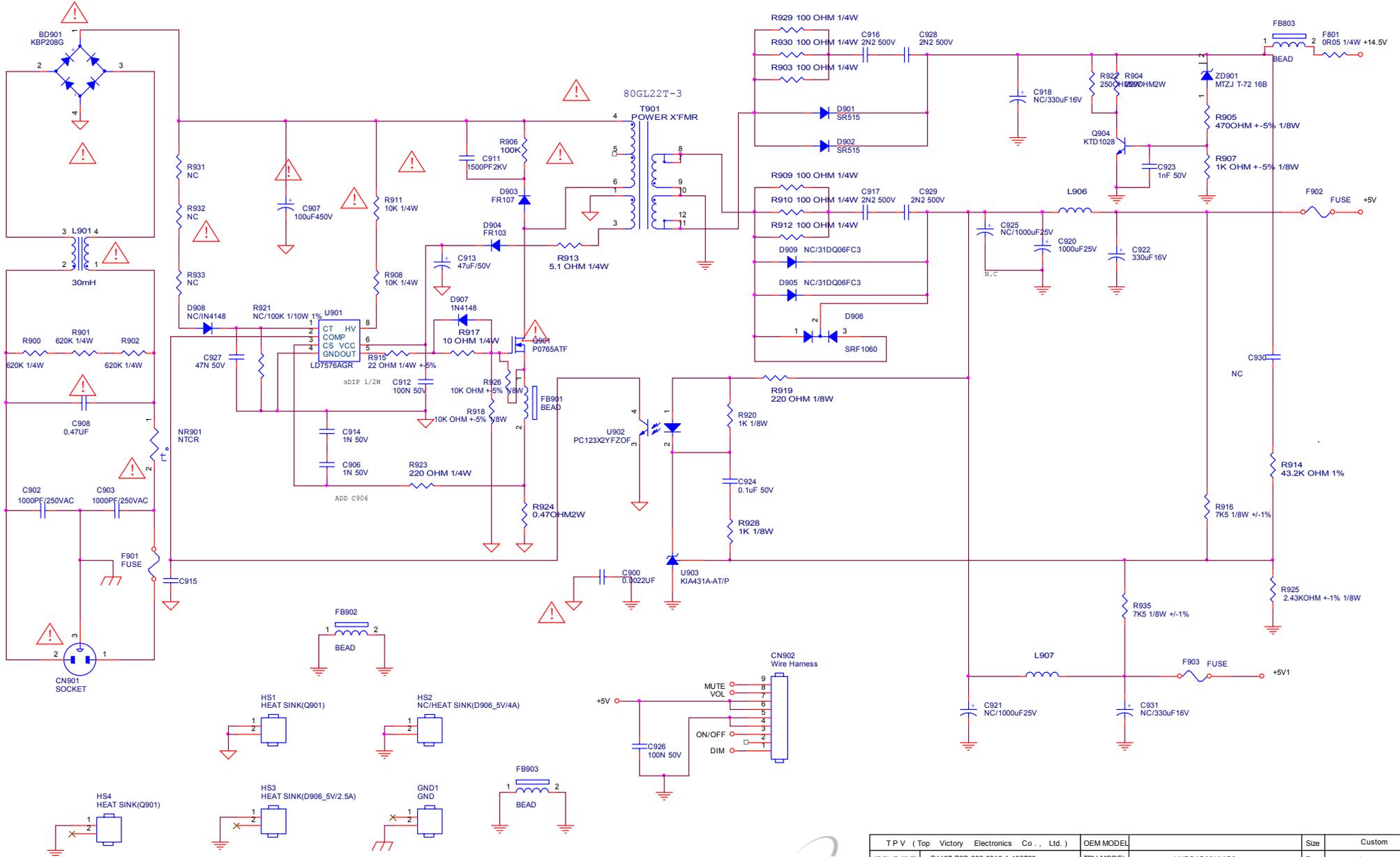


LBADC1	AUTO (2.0K)	1.118V
	UP (100 ohm)	0.083V
LBADC2	DOWN (2K)	1.118V
	MENU (1K)	0.673V
POWER	POWER (100 ohm)	0.083V

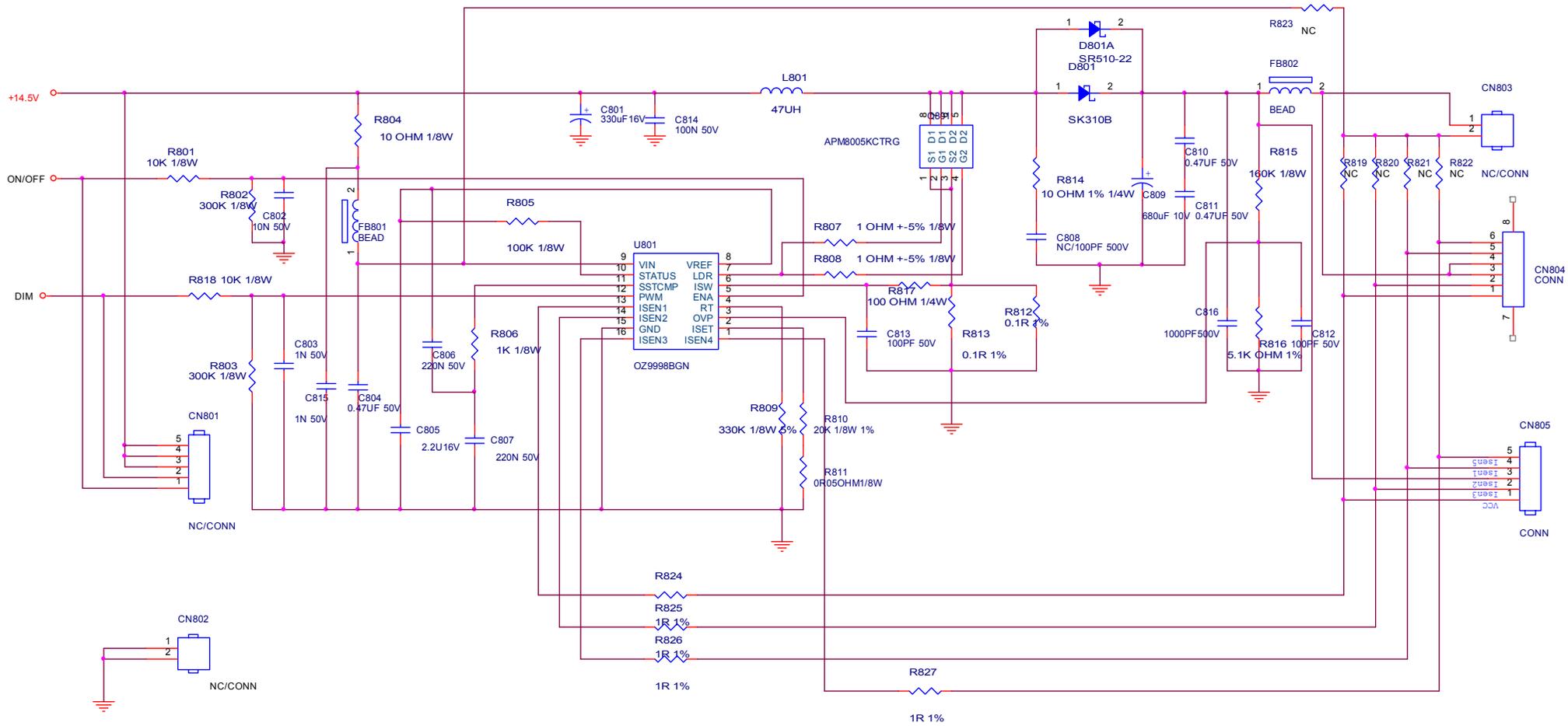


TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	AOC	Size	B
結隔瓜網膜	G5357-K0B-000-0010	TPV MODEL	e2460Swg	Rev
Key Component	2.0.key	PCB NAME	715G5357-K0B-000-0010	称爹
Date	Wednesday, February 15, 2012	Sheet	1 of 2	<称爹>

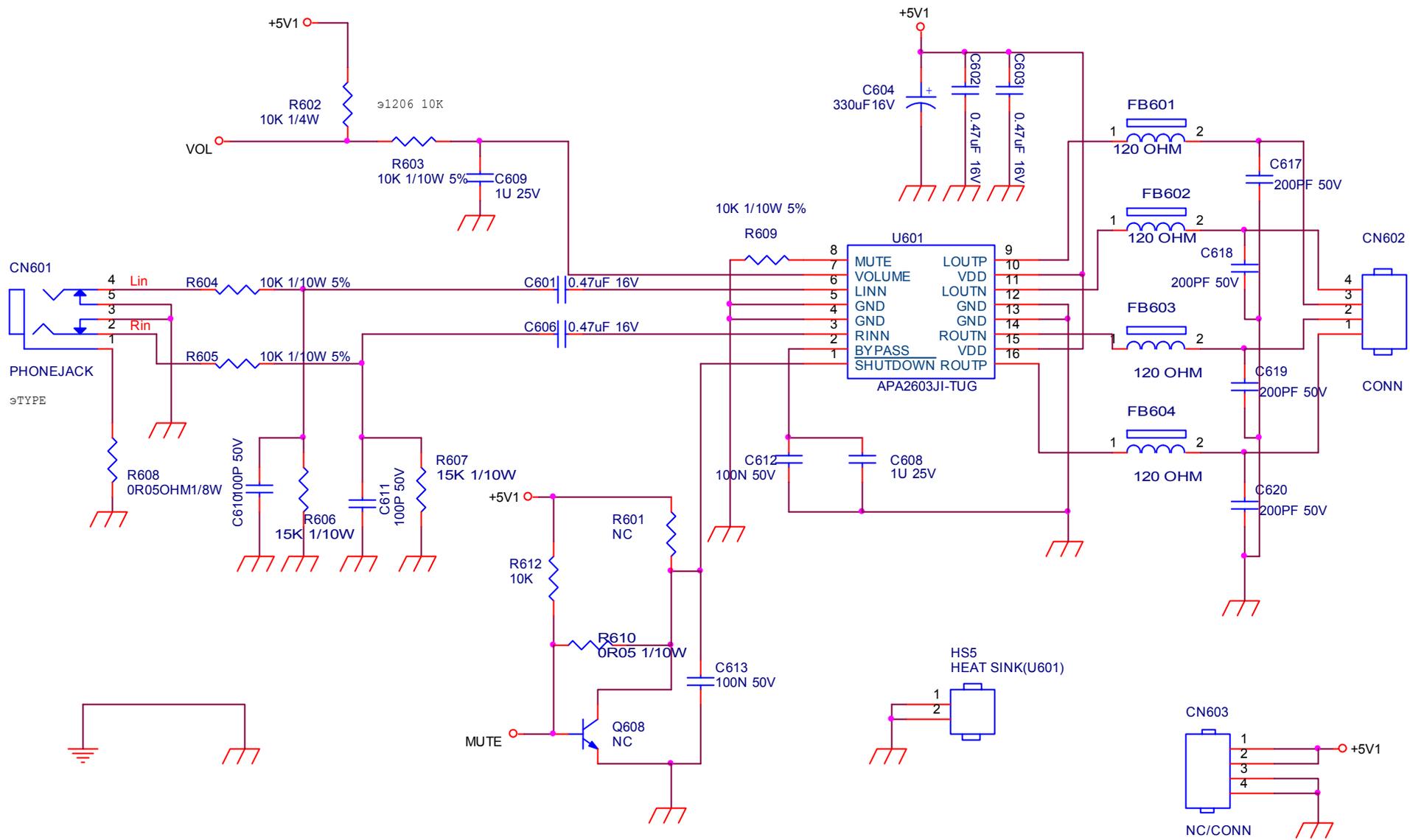
6.3 Power Board 715G4497P0500001M



TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL		Size	Custom
拓普电子	G4497-POB-000-0010-1-100720	TPV MODEL	LNPCAB351AAB2	Rev
Key Component	01.POWER	PCB NAME	715G4497-POB-000-0010	Rev
Date	Tuesday, November 29, 2011	Sheet	1 of 3	名称
				ODM MODEL



TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL		Size	Custom
経隔爪銅膜	G4497-P0B-000-0010-1-100720	TPV MODEL	LNPCAB351AAB2	Rev 1
Key Component	02.INVERTER	PCB NAME	715G4497-P0B-000-0010	称参
Date	Tuesday, November 29, 2011	Sheet	2 of 3	ODM MODEL



	TPV (Top Victory Electronics Co . , Ltd.)	OEM MODEL		Size	A
結構圖	G4497-P0B-000-0010-1-100720	TPV MODEL	LNPCAB351AAB2	Rev	1
Key Component	04.AUDIO	PCB NAME	715G4497-P0B-000-0010	稱號	ODM MODEL
Date	Monday , November 28, 2011	Sheet	1 of 3		

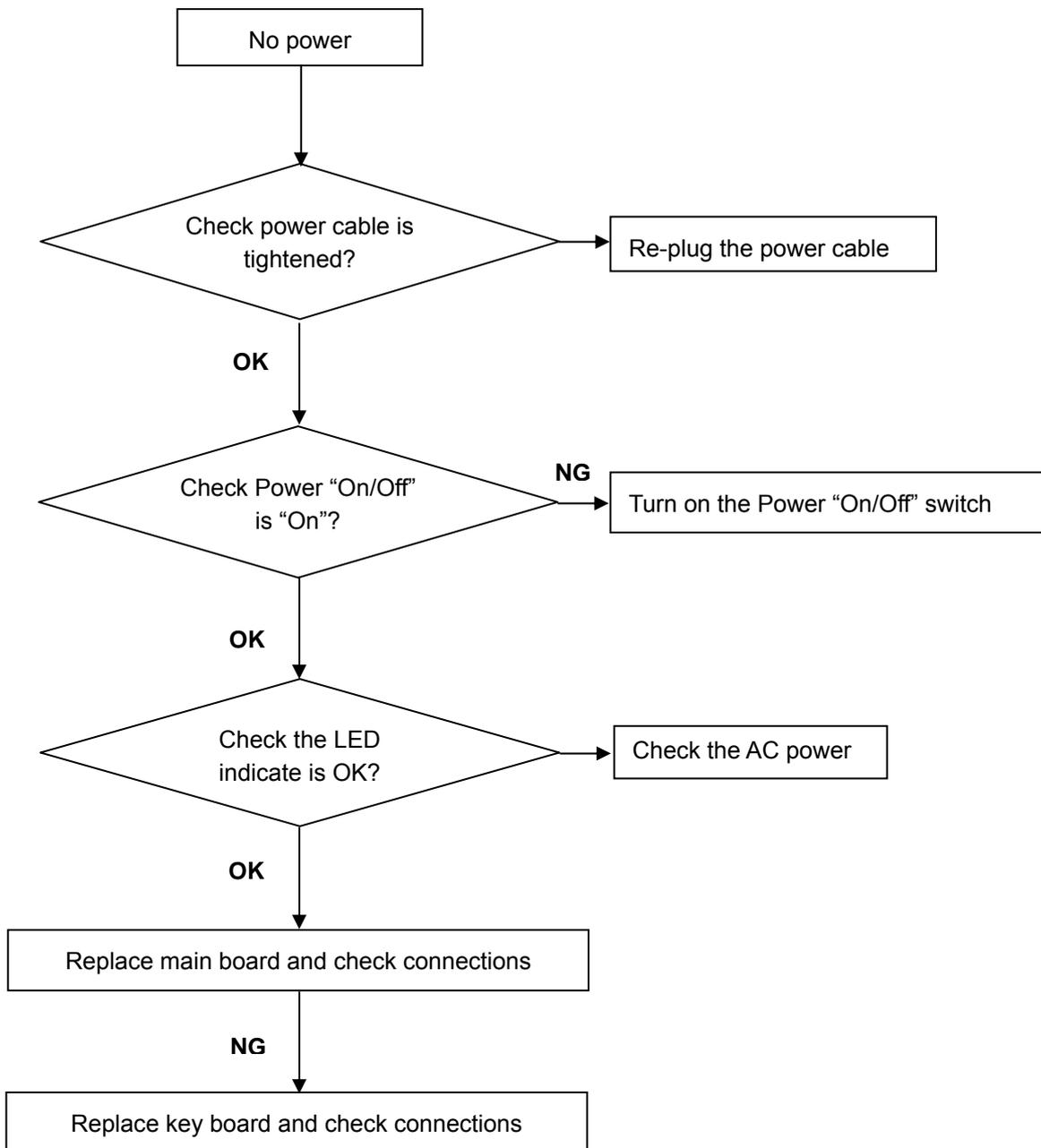
8. Maintainability

8.1 Equipments and Tools Requirement

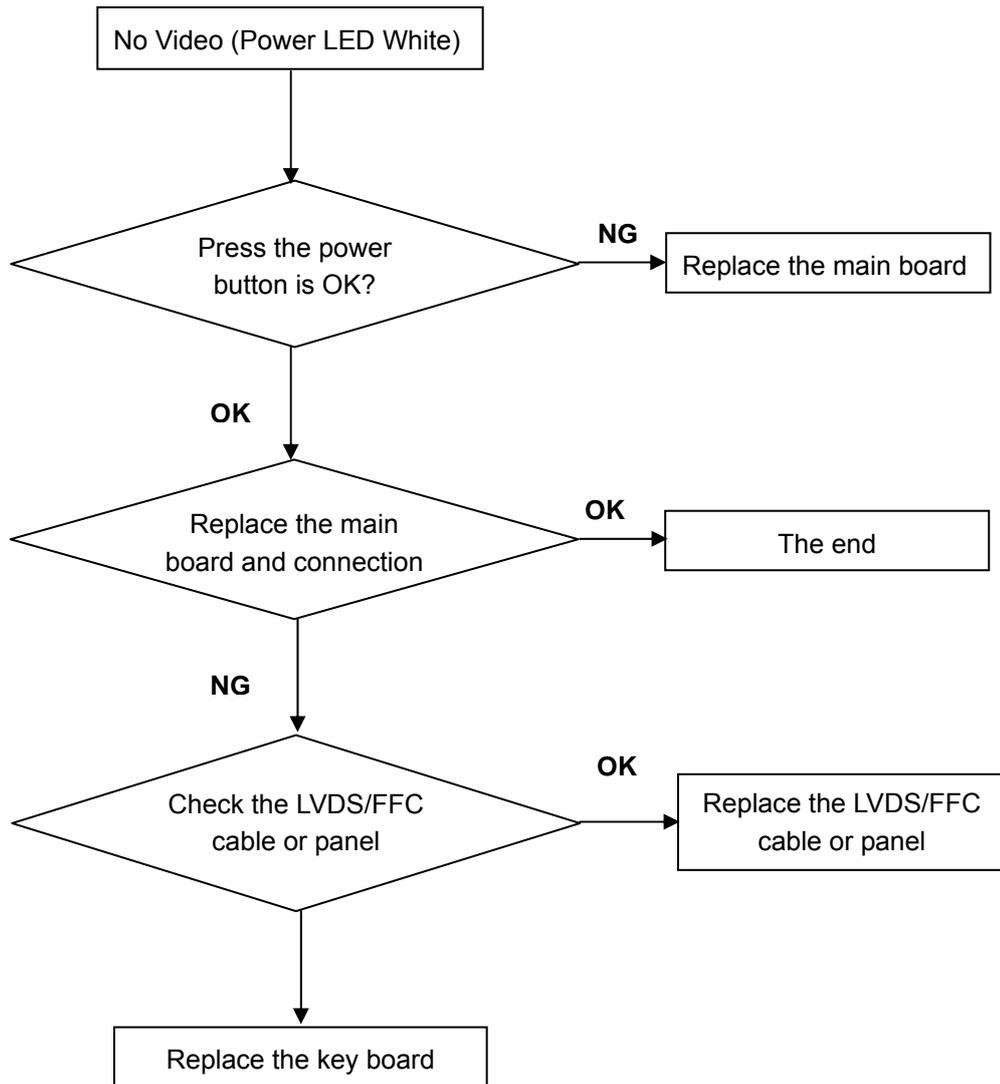
1. Voltmeter.
2. Oscilloscope.
3. Pattern Generator.
4. DDC Tool with an IBM Compatible Computer.
5. Alignment Tool.
6. LCD Color Analyzer.
7. Service Manual.
8. User Manual.

8.2 Trouble Shooting

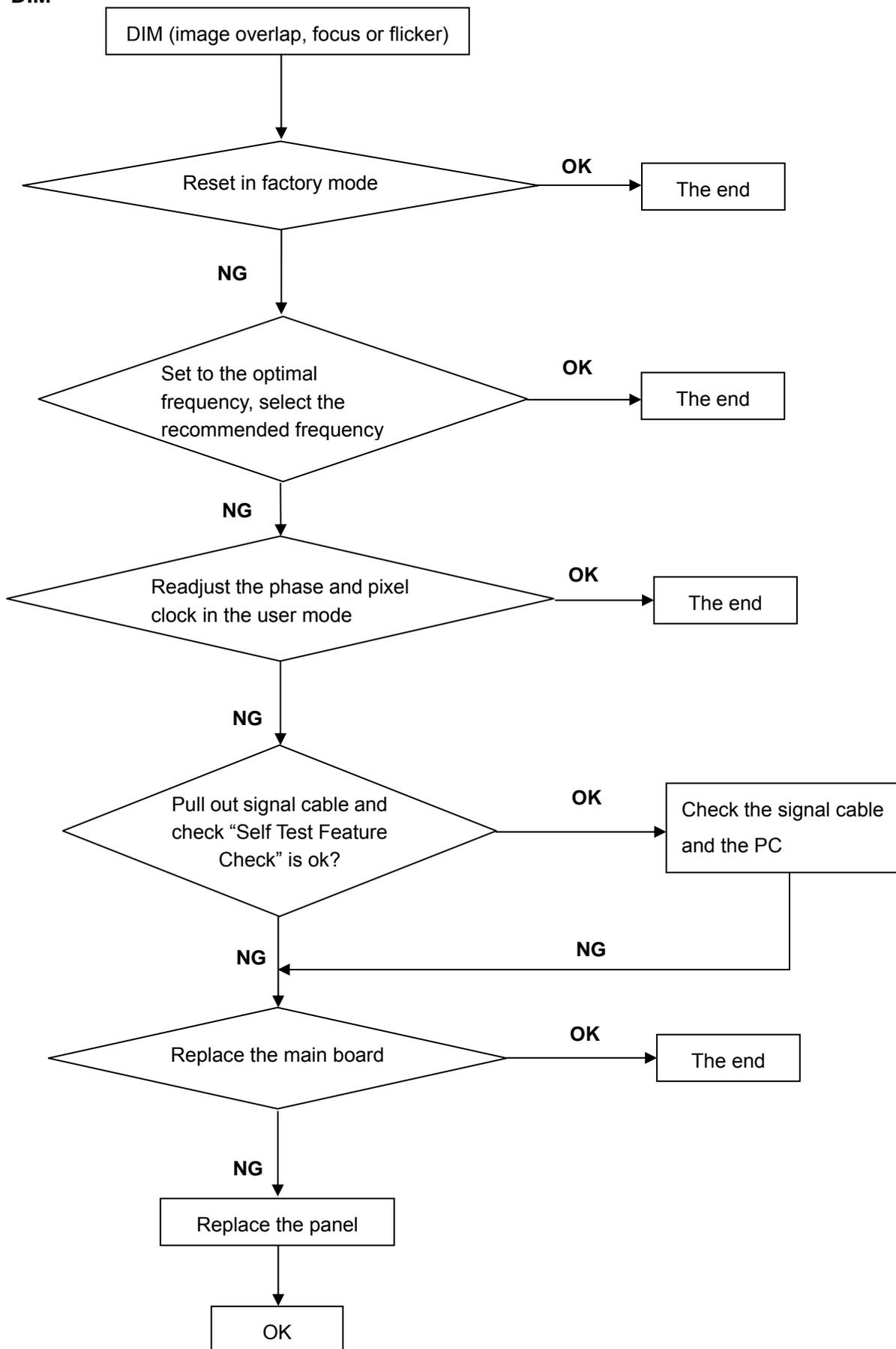
1. No Power



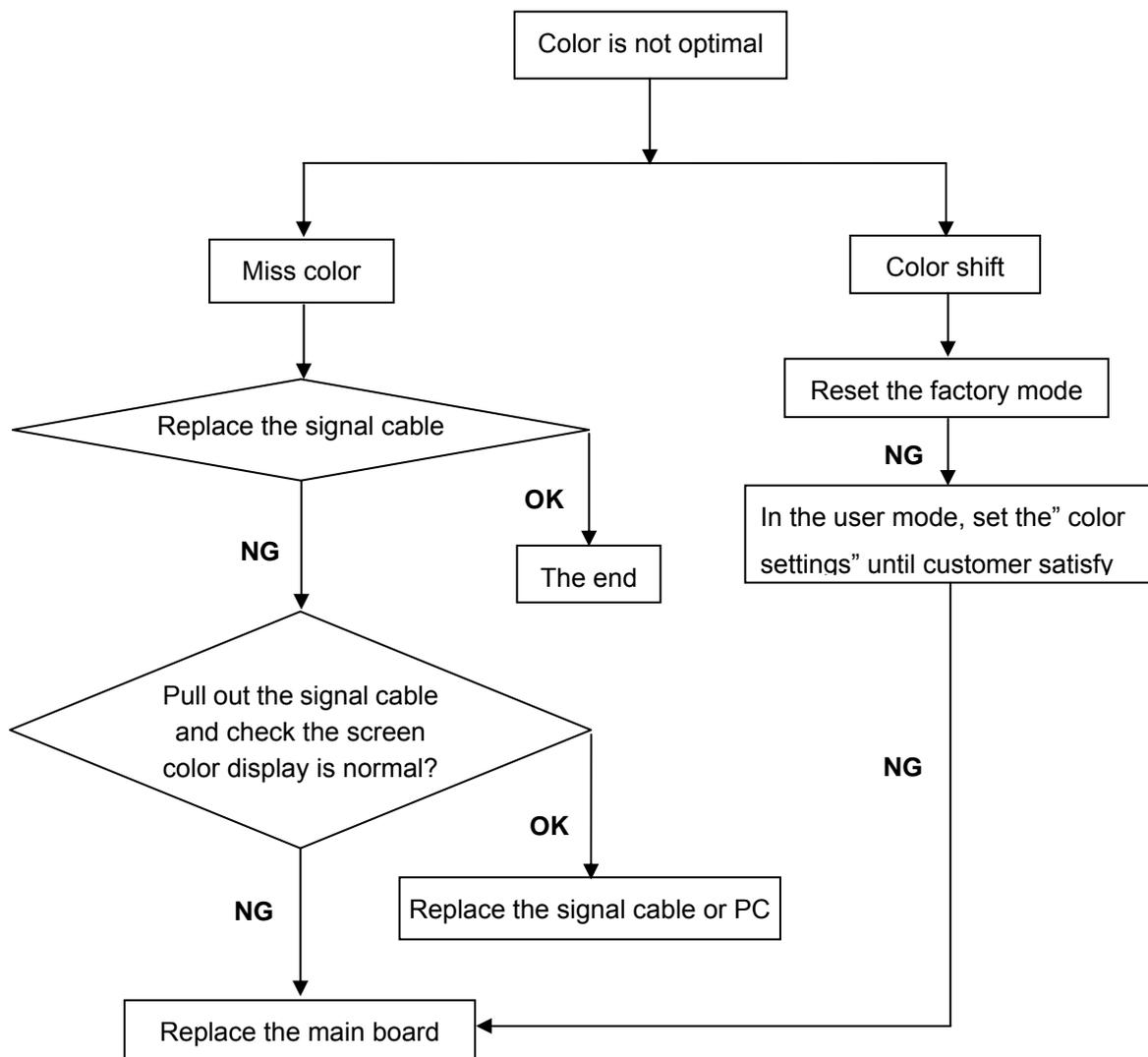
2. No Video (Power LED White)



3. DIM



4. Color is not optimal



9. White- Balance, Luminance Adjustment

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

How to setting MEM channel you can reference to chroma 7120 user guide or simply 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 (6500K):

Warm color temp. parameter is $x = 313 \pm 30$, $y = 329 \pm 30$

B. MEM.CHANNEL 4 Normal (7300K):

Normal color temp. parameter is $x = 301 \pm 30$, $y = 317 \pm 30$

C. MEM.CHANNEL 9 Cool (9300K):

Cool color temp. parameter is $x = 283 \pm 30$, $y = 297 \pm 30$

D. MEM.CHANNEL 10 (sRGB color):

sRGB color temp. parameter is $x = 313 \pm 30$, $y = 329 \pm 30$

3. Enter into the factory mode

Turn off the power, press two direction keys and turn the power on. Then press the "MENU" button. The factory OSD will appear.

4. 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 $x = 313 \pm 30$, $y = 329 \pm 30$
4. Adjust the RED on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN on factory window until chroma 7120 indicator reached the value G=100
6. Adjust the BLUE 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 (7300K) 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 $x = 301 \pm 30$, $y = 317 \pm 30$
4. Adjust the RED on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN on factory window until chroma 7120 indicator reached the value G=100
6. Adjust the BLUE 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

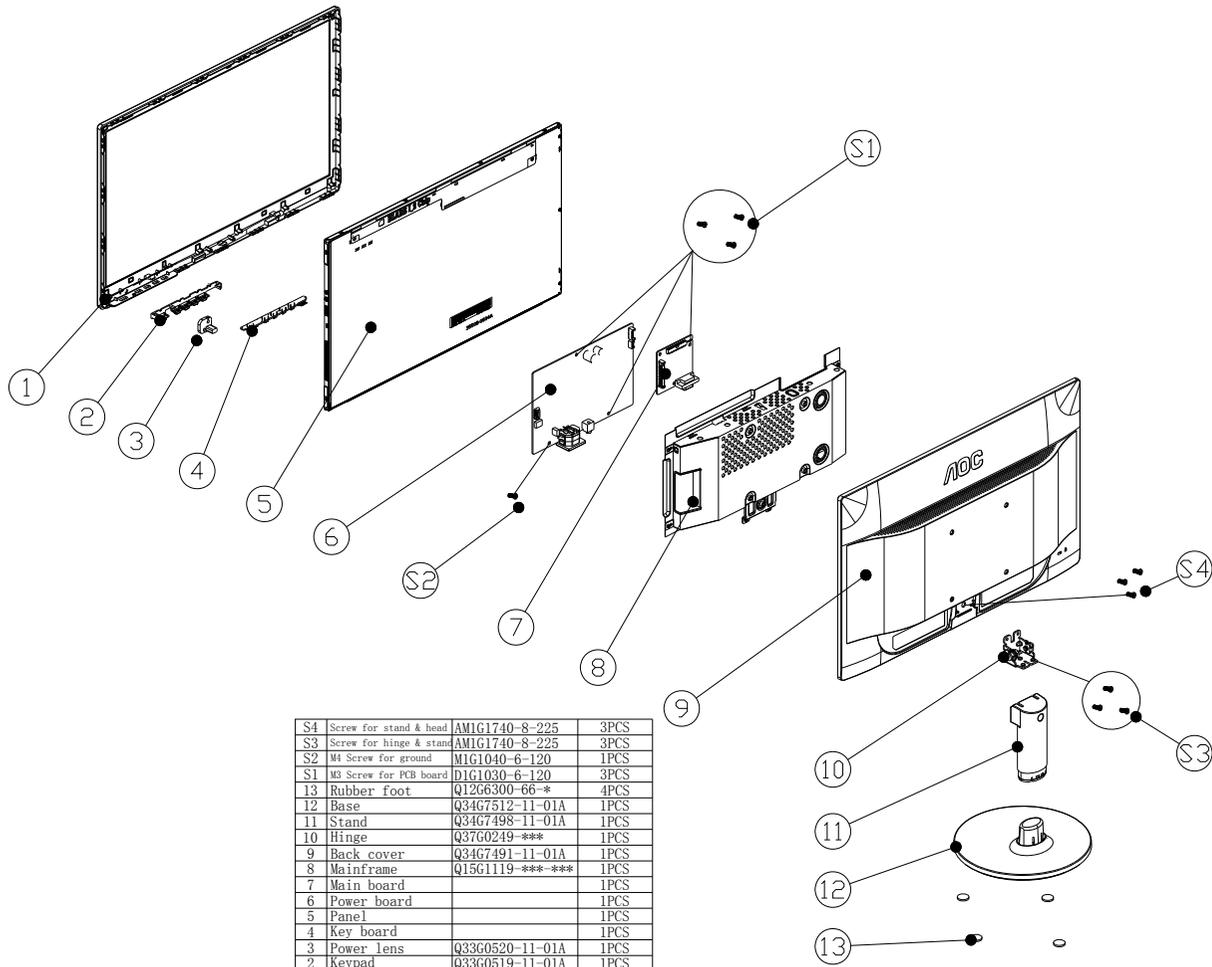
1. Switch the Chroma-7120 to **RGB-Mode** (with press "MODE" button)
2. Switch the MEM. Channel to Channel 9 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show $x = 283 \pm 30$, $y = 297 \pm 30$
4. Adjust the RED on factory window until chroma 7120 indicator reached the value $R=100$
5. Adjust the GREEN on factory window until chroma 7120 indicator reached the value $G=100$
6. Adjust the BLUE 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 $=100 \pm 2$

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 $x = 313 \pm 30$, $y = 329 \pm 30$
4. Adjust the RED on factory window until chroma 7120 indicator reached the value $R=100$
5. Adjust the GREEN on factory window until chroma 7120 indicator reached the value $G=100$
6. Adjust the BLUE 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 $=100 \pm 2$

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

10 Monitor Exploded View



S4	Screw for stand & head	AMIG1740-8-225	3PCS
S3	Screw for hinge & stand	AMIG1740-8-225	3PCS
S2	M Screw for ground	MIG1040-6-120	1PCS
S1	M Screw for PCB board	D1G1030-6-120	3PCS
13	Rubber foot	Q12G6300-66-*	4PCS
12	Base	Q34G7512-11-01A	1PCS
11	Stand	Q34G7498-11-01A	1PCS
10	Hinge	Q37G0249-***	1PCS
9	Back cover	Q34G7491-11-01A	1PCS
8	Mainframe	Q15G1119-***-***	1PCS
7	Main board		1PCS
6	Power board		1PCS
5	Panel		1PCS
4	Key board		1PCS
3	Power lens	Q33G0520-11-01A	1PCS
2	Keypad	Q33G0519-11-01A	1PCS
1	Bezel	Q34G7490-11-01A	1PCS
Item	PART NAME	PART NUMBER	QUANTITY

11. BOM List

Note: The parts information listed below are for reference only, and are subject to change without notice. Please go to <http://cs.tpv.com.cn/hello1.asp> for the latest information.

TIBJB76BBGACDNF.LF

Location	Part No.	Description	Remark
	040G-581689-4A	BARCODE LABEL FOR 1 (58x35mm)	
	041G--68508--A	control card	
	045G--77501	BARCODE RIBBON	
	052G---1150--C	黑色防静电胶带 INSULATING TAPE	
	052G---1211--B	Conductive Tape 85mm *40mm *0.09mm (单导)	
	052G---2191--A	PAPER TAPE	
	052G6019--1	INSULATING TAPE	
	055G--23522	氢氟醚 HFE3400	
E08902	089G-728CAA-DB	SINGAL CABLE 1800MM COMLINK	
	089G-728HAA-DB	SINGAL CABLE 1800MM HONGLIN	2nd source
	089G-728GAA-DB	SINGAL CABLE 1800MM GREATLAND	2nd source
E08903	089G1748CAA-AC	DVI CABLE 1800MM COMLINK	
	089G1748GAA-AC	DVI CABLE 1800MM GREATLAND	2nd source
	089G1748HAA-AC	DVI CABLE 1800MM HONGLIN	2nd source
E08901	089G404A18N-CX	POWER CORD 1800MM Europe XUEXIANG	
	089G404A18N-HL	POWER CORD 1800MM Europe HONGLIN	2nd source
	089G404A18N-IS	POWER CORD 1800MM Europe I-SHENG	2nd source
	089G404A18N-JR	POWER CORD 1800MM Europe jianrun	2nd source
	0D1G1030--6120	screw	
	0M1G1040--6120	SCREW	
	3550S-1415C	AL 7UM, PET 75UM 482*55.65*0.1	
	708GBF0801S-1A	AOC 40 EU(1680)	
	F44G1200-SL100	Slipsheet 1200x1000	
	F44G435K420-33	EMPTY CARTON	
	F44G565K435-69	EMPTY CARTON	
	Q44G6002118-97	PAPER BOARD	
	Q44G9003217	Corner Paper	
	Q45G--77--5	PE PACKING (Y1900241)	
	Q50G---4-10	TIE (Y1900221)	
	Q52G---1185-98	3M TAPE	

E750	750GBT215W4C11N400	PANEL BM215WF4-TJC1	
	750GBT215W4C11N200	PANEL BM215WF4-TJC1	2nd source
	750GBT215W4C11N300	PANEL BM215WF4-TJC1	2nd source
	750GBT215W4C11N000	PANEL BM215WF4-TJC1	2nd source
	2436L-2207D	BM215WF4-TJC1-6F4	
	3110T-0856A	GALVALUME, T=0.3,BM215WF4-TJA1-6F1-A0, Up	
	3110T-0856B	GALVALUME, T=0.3,BM215WF4-TJA1-6F1-A0, Down	
	3850L-0088A	ID, YUPO, 78X37	
	4296L-0284B	PMP-P2 100-520U-13, 5U-C60 black A600, 170x7x0.45	
	6060L-2238B	LM215WF4(TJC1,T2C2/T2C4)	
	6060L-3138B	LM215WF4-T1H2-612	2nd source
	6061L-1748B	LM215WF4(TRH1,T2C2/T1H2,TJC1)	
	01LUL-0203A	LS0609H3-C6LX, LUSEM, 960, 6BIT, MINI, C_B, R/TP, 48MM, 4PF, UPILEX, T9	
	6308L-3214A	LTXXNSSNEX5-02150B12, 487.1 X 277.5, LGC, T, X, X, N, S, S, N, E, X, 5, 02150, Bottom, 12	
	6308L-3215A	LTBXNSSNEX5-02150T12, 487.1 X 277.5, LGC, T, B, X, N, S, S, N, E, X, 5, 02150, Top, 12	
	6884L-0090A	CP12941-20YA, SONY, 1.5MMX300MM, 20UM	
	6884L-0053A	CP2420ISL,L=1.5MMX300M, T=18UM, SONY	2nd source
	6884L-0034A	CP5420ISL, SONY, L=1.5MMX300M, T=20	2nd source
	6871L-2552B	Source, Single, None-C/SKD, LM215WF4-TJC1, Single Side	
C115	0CH2103K562	10NF, K, 50V, X7R, 0.9mm, 1608, R/TP	
C915,C916	0CH2104H942	0.1uF, Z, 25V, Y5V, 0.9mm, 1608, R/TP	
C1,C2,C302,C5,C51,C6, C7,C8,C924	0CH2104K562	0.1UF 50V K X7R 1608 R/TP	
C79,C911	0CH2473H562	47nF, K, 25V, X7R, 0.9mm, 1608, R/TP	
C56,C57,C74	0CH2473K562	47NF 50V K X7R 1608 R/TP	
C3,C36,C4,C908	0CH2A-0007A	1U F, 10 Volt, K PER, X5R(JB), 1608 R/TP, T=0.9(MAX)	
C50,C55,C58,C59	0CH2A-0010A	33nF, M, 25V, X7R, 0.9mm, 1608, R/TP	

C22,C23,C32,C33,C34	0CH2A-0011A	10U F, 16 Volt, K PER, X5R(JB), 3216 R/TP, T=0.95(MAX)	
C101,C102,C103,C104,C105,C106,C107,C108,C109,C110,C111,C112,C113,C114,C301,C303,C305,C307,C309,C311,C77,C907	0CH2A-0015A	1uF, K, 25V, X5R, 0.9mm, 1608, R/TP	
C73	0CH2A-0017A	2.2U F, 10 Volt, K PER, X5R(JB), 1608 R/TP, T=0.9(MAX)	
C313,C314,C315,C318,C52,C61,C62,C63,C64,C71,C72,C913,C914,C920,C921	0CH2A-0026A	10U F, 25 Volt, K PER, X5R(JB), 3225 R/TP, T=1.0(MAX)	
C312	0CH2A-0038A	0.1U F, 25 Volt, Z PER, Y5V(JF), 1005 R/TP, T0.55(MAX)	
C701	0CH2A-0049A	1.5nF, 50, -10~+10(K), 1608, X7R(JB)	
C75	0CH2A-0088A	3.3nF, K, 50V, X7R, 0.9mm, 1608, R/TP	
C912	0CH2A-0091A	1uF, K, 25V, X5R, 0.6mm, 1005, R/TP	
D3,D4,D5	0DHZL-0008B	BAV99-7-05-F, DIODES, SOT-23, R/TP	
ZD1	0DHZL-0061A	SDZ6V2D, AUK, SOD-323, R/TP	
D6	0DHZL-0095A	RB050M-30, ROHM, PMDU, R/TP	
F1	0FFST-0002A	F0603FA2500V032T, AEM, 2.5, 32 Volt, 1.6X0.8X0.8, SMT, Ceramic, UL/CSA	
U3	0IDIL-0002A	AP7167-FNG-7, DIODES, ADJUST_3.3V, 1.2A, DFN3030-10, R/TP, 10	
UC2	0IIML-0004A	iML7821BE, IML, 5V~20V, 320mA, 20V/us, 40MHz, 1Ch, TSOT, R/TP, 5Pin	
U4	0ISGL-0008C	M24C04-RDW, STmicroeletronics, 4K, 5ms, TSSOP, R/TP, 8	
US2	0ISMML-0007A	SM4025, SILICON MITUS, MONITOR, BOOST+L/S(GPM)+OP-AMP+PVCOM+DISCHARGING,	
UC1	0ISWL-0078A	SW0640, SIW, LVDS, 6/8, 2, MINI-LVDS, 6, 1, DRD, GIP, AFRC, DGA, MUTE, MLF, TR, 68	
L1	0LCAA-0069B	TNI8016-100M, DACOWELL, 10UH, M=20%, 2.1A, 0.093, 8.0X11.0X1.8 (1.2MM, IN-BOARD), R/TP	
FL4,FL5,R103,R109,R11	0RH0000C622	0 OHM 1/10W 0603 0.05R MAX	

8,R119,R121,R125,R126, R127,R129,R138,R139,R 140,R142,R179,R180,R2 0,R302,R54,R601,R602,R 801,R802,R901,R902,R9 03,R906,R908			
R131	0RH0102C422	10 OHM 1/10W 0603 1%	
R701	0RH0221C622	2.2 OHM 1/10W 0603 5%	
R10,R11,R12,R13,R14,R 15,R16,R17,R18,R19,R22 ,R23,R25,R26	0RH0302C422	30 OHM 1/10W 0603 1%	
R322	0RH0472C422	47 OHM 1/10W 0603 1%	
R2,R3	0RH1000C422	100 OHM 1/10W 0603 1%	
R1	0RH1001C422	1K OHM 1/10W 0603 1%	
R24,R55	0RH1002C422	10K OHM 1/10W 0603 1%	
R123,R225,R235,R244,R 255	0RH1102C422	11K OHM 1/10W 0603 1%	
R214	0RH1201C422	1.2K OHM 1/10W 0603 1%	
R212	0RH1202C422	12K OHM 1/10W 0603 1%	
R211	0RH1301C422	1.3K OHM 1/10W 0603 1%	
R150	0RH1500C422	150 OHM 1/10W 0603 1%	
R151,R242,R27	0RH1502C422	15K OHM 1/10W 0603 1%	
R114,R136	0RH1601C422	1.6K OHM 1/10W 0603 1%	
R130,R233,R777	0RH1602C422	16K OHM 1/10W 0603 1%	
R141	0RH1800C422	180 ohm, 1/16W, 1608, 1%, R/TP	
R115	0RH2201C422	2.2K OHM 1/10W 0603 1%	
R50,R51	0RH2401C422	2.4K OHM 1/10W 0603 1%	
R904	0RH2402C422	24K OHM 1/10W 0603 1%	
R101,R104,R106,R261	0RH2700C422	270 OHM 1/10W 0603 1%	
R243,R253	0RH2702C422	27K OHM 1/10W 0603 1%	
R148,R223,R234,R245	0RH3302C422	33K OHM 1/10W 0603 1%	
R135	0RH3602C422	36K 1/10W 1% 0603	
R201	0RH3900C422	390 OHM 1/10W 0603 1%	
R146	0RH3902C422	39K OHM 1/10W 0603 1%	
R324,R326,R67	0RH4700C422	470 OHM 1/10W 0603 1%	
R202	0RH4702C422	47K OHM 1/10W 0603 1%	
R110,R132,R778,R905	0RH5101C422	5.1K OHM 1/10W 0603 1%	
R117	0RH5102C422	51K OHM 1/10W 0603 1%	
R203	0RH5600C422	560 ohm, 1/16W, 1608, 1%, R/TP	
R122,R124,R4,R5,R909	0RH5601C422	5.6K OHM 1/10W 0603 1%	
R222	0RH5602C422	56K OHM 1/10W 0603 1%	

R252	0RH6201C422	6.2K OHM 1/10W 0603 1%	
R254	0RH6202C422	62K OHM 1/10W 0603 1%	
R232	0RH7502C422	75K ohm, 1/16W, 1608, 1%, R/TP	
R21,R231,R241,R251	0RH8201C422	8.2K OHM 1/10W 0603 1%	
R221	0RH9101C422	9.1K OHM 1/10W 0603 1%	
R910	0RH9102C422	91K OHM 1/10W 0603 1%	
R224	0RHAA-0015A	43K ohm, 1/16W, 1608, 1%, R/TP	
AR5,AR6	0RHZL10005A	100 OHM 1/10W 0603*4 5%	
Q2	0TRRL-0010A	KTA1505S-Y-RTK/H, KEC, PNP, R/TP, SOT-23, .	
	0TRRL-0019A	MMBT4403, Diodes, PNP, R/TP, SOT-23, H/F, 3	2nd source
Q1	0TRRL-0011A	KTC3876S-Y-RTK/H, KEC, NPN, R/TP, SOT-23, .	
	0TRRL-0020A	MMBT4401, Diodes, NPN, R/TP, SOT-23, H/F, 3	2nd source
FL6,FL7,FL8,FL9	6200L-J015A	BLM18PG300SN1D	
RT1	6322L-0004A	22K ohm, +-3%, 125, 0.21, 3950, 1608, R/TP	
CN1	6630L-0157B	FI-XB30SL-HF10, JAE, 30 Pin, 1 mm, Angle, Sn, USER LOCK	
	6630L-0410A	IS100-L30F-C15, UJU, 30 Pin, 1 mm, Angle, Sn, USER LOCK	2nd source
	6870S-1235A	LM215WF4-TJC1-611, 2L, 0.6, 479.15*122.15, 3, N, Source, NO, Single Side	
	6884L-0078A	AC-9855RM, HITACHI, 2.0MM X 300M, 40UM	
	6884L-0061A	CP20631-35YA, 2.0MMX300M, SONY	2nd source
	6091L-1703C	BM215WF4-TJC1	
	3022L-1413A	KOLON, XC210, T=0.123, BM215WF4-TJA1-6F1-A0	
	3032L-1096A	KOLON,LE303, T=0.23, Angle = 4?, BM215WF4-TJA1-6F1-A0	
	3034L-0937B	TORAY, T6D6, T=0.25, 3M, 1363-60, BM215WF4-TJA1	
	3550B-0918A	AL, T=0.5, BM215WF4-TJA1-6F1-A0	
	3850L-0092A	BL, YUPO, 77X14	
	4975L-0464A	BM215WF4-TJA1-6F1-A0	
	4974L-0864A	PC,ENTIRE,ETR-1010,V0, BM215WF4-TJA1-6F1-A0	

	5022L-0302A	SH140U+5256M, SILICON, Gray, 274.7*2.0*0.4	
	5022L-0303A	SH140U+5256M, SILICON, Gray, 485*2.0*0.4	
	5151L-0218B	BM215WF4-TJA1	
	3953L-0144A	TORAY, 188E60L, T=0.188, 3M, 1363-60, 30.8*1.8*0.2, BM200WD3-TJA1	
	3953L-0217A	TORAY, 188E60L, T=0.188, 3M, 1363-60, 441.7*1.8*0.2, BM215WF4-TJA1-6F1-A0	
	3953L-0218A	TORAY, 188E60L, T=0.188, 3M, 1363-60, 286*1.8*0.2, BM215WF4-TJA1-6F1-A0	
	5150L-0595A	PMMA, Flat, 2.0, Printing, BM215WF4-TJA1-6F1-A0	
	6916L-0539C	EverTop, LED, 32(Number Of LED), White LED, BM215WF4-TJA1	
	5153L-0068A	10FH-SM1-GAN-TB(LF)(SN) , JST	
	6915L-0284C	Ever Top LED,WM32NW1F,Top View,2ea(LED Chip Q'TY per PKG), 7020PKG	
	6920L-0064A	283.4*4.2*1.2, 2ea(Number Of Chain), 1L(Number Of Layer), 32ea(Number Of LED), AL	
	7250L-1401B	TP-15;282.6*3.6*0.25T	
	7250L-0864A	NITTO, NITTO 5000NS, Clear, 30*3*0.16	
	7250L-1370A	Single Side Tape ** SYMBIO, KA180E, Yellow, 12(W)*0.065(T), Insulating Tape	
	7250L-1408A	ZH350 25x16x0.1	
	7250L-1488B	Conductive Tape,STN1026WR(P), T=0.11, 15*25*0.11	
	756GFBCB0AA0980000	MCU ASS'Y	
U402	056G2233-11	IC FLASH Pm25LD020C-SCE SIOC-8 2M PMC	
	056G2233501	IC FLASH MX25L2026DM11-12G 2Mb SOP-8 MXIC	2nd source
SMTCB-U402	100GAMJI000FT1	AOC E2260SWD	
	A33G1273AED-1L0100	CLIP	
	AM1G1740-10225-CR3	screw	

	CBPCBB7A2QN	CONVERSION BOARD	
CN404	033G3802-6B--Y---L	WAFER 6P 2.0MM XIANGLONG	
	033G3802-6B--Y	WAFER 6P 2.0MM XINYA	2nd source
CN701	033G3802-9B--Y---L	WAFER 9P 2.0MM XIANGLONG	
	033G3802-9B--Y	WAFER 9P 2.0MM XINYA	2nd source
CN410	033G801930F-CH---L	WAFER 30P 1.0MM XIANGLONG	
	033G801930F-CH--JS	WAFER 30P 1.0MM JINGSHI	2nd source
C430,C702,C705	067G-4051013LB	EC 100uF +-20% 16V 5*11mm 4000Hr LELON	
	067G-3051013PB	EC 105°C 100uF M 16V 5*11mm	2nd source
CN101	088G-35315F-HD	D-SUB CONN WITH SCREW 15P BLUE DLK	
	088G-35315F-XH	D-SUB CONN WITH SCREW 15P BLUE XIANHE	2nd source
CN102	088G-35424FXNH	DVI CONN WITH SCREW 24P WHITE XIANHE	
X401	093G--22-53CEC	DIODE CRY 14.31818MHZ S-F-14.31818M-32-3030-2085-30 CEC	
	093G--22-53--J	Diode CRY 14.31818MHZ/32PF/49US NSK	2nd source
	H40G-45762429A	CBCP Label for EE	
SMTC01	SMTCBB7A2QN	MAIN BOARD FOR SMT	
	SMTCBB7A2QNWB	MAIN BOARD FOR SMT	2nd source
U701	056G-563527BHF	IC LDO BL1117-33CX 1A 3.3V SOT-223 Belling	
	056G-585-4A	IC LDO AP1117E33G-13 1A 3.3V SOT223 Diodes	2nd source
U101,U103,U104,U106,U 107	056G-662-52	IC ESD PROTECT AZC398-04S.R7G SOT23-6 Amazing	
U102,U105	056G1133-34--1	IC EEPROM M24C02-RMN6TP 2Kb SO-8 ST	
	056G1133158	IC EEPROM CAT24C02WI-GT3A 2Kb SOIC-8 ON	2nd source
U402	056G2233-11	IC FLASH Pm25LD020C-SCE SIOC-8 2M PMC	
	056G2233501	IC FLASH MX25L2026DM1I-12G 2Mb SOP-8 MXIC	2nd source
Q401,Q403	057G-417517	TRA LM3906LT1G -0.2A/-40V SOT-23 LRC	
	057G-417512	TRA MMBT3906 0.2A/40V SOT-23 BLUE ROCKET	2nd source

Q701,Q706	057G-417518	TRA LMBT3904LT1G 0.2A/40V SOT-23 LRC	
	057G-417511	TRA MMBT3904 0.2A/40V SOT-23 BLUE ROCKET	2nd source
Q704	057G-763--3	MOSFET AO4411 8A/30V SO-8 AOS	
R407,R409,R416,R432,R 441	061G0402000-JY	RST CHIPR 0 OHM +-5% 1/16W YAGEO	
	061G0402000-JT	RST CHIPR MAX0R05 1/16W TZAI YUAN	2nd source
R105,R112,R120,R137,R 138,R139,R140,R141,R1 42,R143,R144	061G0402100-JY	RST CHIPR 10 OHM +-5% 1/16W 0402 YAGEO	
	061G0402100-JT	RST CHIPR 10 OHM -5% 1/16W 0402 TZAI YUAN	2nd source
R419,R420	061G0402101-JT	RST CHIPR 100 OHM +-5% 1/16W 0402 TZAI YUAN	
	061G0402101-JF	RST CHIPR 100 OHM -5% 1/16W 0402 FENGHUA	2nd source
	061G0402101-JY	RST CHIPR 100 OHM -5% 1/16W 0402 YAGEO	2nd source
R124,R125,R151,R152,R 410,R702,R713	061G0402101-JY	RST CHIPR 100 OHM +-5% 1/16W 0402 YAGEO	
	061G0402101-JT	RST CHIPR 100 OHM -5% 1/16W 0402 TZAI YUAN	2nd source
R131,R150,R153,R421,R 422,R423	061G0402102-JY	RST CHIPR 1 KOHM +-5% 1/16W 0402 YAGEO	
	061G0402102-JT	RST CHIPR 1 KOHM -5% 1/16W 0402 TZAI YUAN	2nd source
R401,R402,R412,R413,R 703,R704,R716	061G0402103-JY	RST CHIPR 10 KOHM +-5% 1/16W 0402 YAGEO	
	061G0402103-JT	RST CHIPR 10 KOHM -5% 1/16W 0402 TZAI YUAN	2nd source
R491,R717	061G0402104-JY	RST CHIPR 100 KOHM +-5% 1/16W 0402 YAGEO	
	061G0402104-JT	RST CHIPR 100 KOHM -5% 1/16W 0402 TZAI YUAN	2nd source
R403,R404,R406	061G0402220-JY	RST CHIPR 22 OHM +-5% 1/16W 0402 YAGEO	
	061G0402220-JT	RST CHIPR 22 OHM -5% 1/16W 0402 TZAI YUAN	2nd source
R126,R127,R433,R442	061G0402222-JY	RST CHIPR 2.2 KOHM +-5% 1/16W	

		0402 YAGEO	
	061G0402222-JT	RST CHIPR 2.2 KOHM -5% 1/16W 0402 TZAI YUAN	2nd source
R117,R135,R705,R721	061G0402223-JY	RST CHIPR 22 KOHM +-5% 1/16W 0402 YAGEO	
	061G0402223-JT	RST CHIPR 22 KOHM -5% 1/16W 0402 TZAI YUAN	2nd source
R492	061G0402224-JY	RST CHIPR 220 KOHM +-5% 1/16W 0402 YAGEO	
	061G0402224-JT	RST CHIPR 220 KOHM -5% 1/16W 0402 TZAI YUAN	2nd source
R427,R428,R429	061G0402392-JY	RST CHIPR 3.9KOHM +-5% 1/16W 0402 YAGEO	
	061G0402392-JT	RST CHIPR 3.9 KOHM -5% 1/16W 0402 TZAI YUAN	2nd source
R439	061G0402394-JY	RST CHIPR 390 KOHM +-5% 1/16W 0402 YAGEO	
	061G0402394-JT	RST CHIPR 390 KOHM -5% 1/16W 0402 TZAI YUAN	2nd source
R102,R106,R108,R114,R122,R129,R130	061G0402470-JY	RST CHIPR 47 OHM +-5% 1/16W 0402 YAGEO	
	061G0402470-JT	RST CHIPR 47 OHM -5% 1/16W 0402 TZAI YUAN	2nd source
R109,R714	061G0402471-JY	RST CHIPR 470 OHM +-5% 1/16W 0402 YAGEO	
	061G0402471-JT	RST CHIPR 470 OHM -5% 1/16W 0402 TZAI YUAN	2nd source
R417,R418	061G0402472-JT	RST CHIPR 4.7 KOHM +-5% 1/16W 0402 TZAI YUAN	
	061G0402472-JY	RST CHIPR 4.7 KOHM -5% 1/16W 0402 YAGEO	2nd source
	061G0402472-JF	RST CHIPR 4.7 KOHM -5% 1/16W 0402 FENGHUA	2nd source
R115,R116,R133,R134,R701,R723	061G0402472-JY	RST CHIPR 4.7 KOHM +-5% 1/16W 0402 YAGEO	
	061G0402472-JT	RST CHIPR 4.7 KOHM -5% 1/16W 0402 TZAI YUAN	2nd source
C101,C106,C110	061G0402750-JY	RST CHIPR 75 OHM +-5% 1/16W 0402 YAGEO	
	061G0402750-JT	RST CHIPR 75 OHM -5% 1/16W 0402 TZAI YUAN	2nd source

R123,R132	061G0603000-JY	RST CHIPR MAX0R05 1/10W YAGEO	
	061G0603000-JT	RST CHIP MAX 0R05 1/10W TZAI YUAN	2nd source
R405	061G0603220-JY	RST CHIPR 22 OHM +-5% 1/10W 0603 YAGEO	
	061G0603220-JT	RST CHIPR 22 OHM -5% 1/10W 0603 TZAI YUAN	2nd source
R438	061G0603331-JY	RST CHIPR 330 OHM +-5% 1/10W 0603 YAGEO	
	061G0603331-JT	RST CHIPR 330 OHM -5% 1/10W 0603 TZAI YUAN	2nd source
R444	061G0603471-JY	RST CHIPR 470 OHM +-5% 1/10W 0603 YAGEO	
	061G0603471-JT	RST CHIPR 470 OHM -5% 1/10W 0603 TZAI YUAN	2nd source
R446	061G1206301-JF	RST CHIPR 300 OHM +-5% 1/4W fenghua	
	061G1206301-JT	RST CHIPR 300 OHM 1/4W TZAI YUAN	2nd source
C104	065G040210232K---A	MLCC 0402 1000pF +-10% 50V X7R SAMSUNG	
	065G040210232K---3	NO-SUGGEST MLCC 0402 1000pF -10% 50V X7R TDK	2nd source
	065G040210232K---F	MLCC 0402 1nF -10% 50V X7R FENGHUA	2nd source
C116,C117,C120,C122,C123,C402,C403,C405,C407,C408,C431,C704,C706,C718,C720,C721	065G040210412K---F	MLCC 0402 0.1uF +-10% 16V X7R FENGHUA	
	065G040210412K---A	MLCC 0402 0.1uF -10% 16V X7R SAMSUNG	2nd source
	065G040210412K---M	MLCC 0402 0.1uF -10% 16V X7R MURATA	2nd source
C112,C113	065G040222031J---A	MLCC 0402 22pF +-5% 50V NPO SAMSUNG	
	065G040222031J---3	NO-SUGGEST MLCC 0402 22pF -5% 50V NPO TDK	2nd source
	065G040222031J---F	MLCC 0402 22pF -5% 50V NPO FENGHUA	2nd source
C109,C119,C410,C715	065G040222415K---F	MLCC 0402 0.22uF +-10% 16V X5R FENGHUA	

	065G040222415K---3	NO-SUGGEST MLCC 0402 0.22uF -10% 16V X5R TDK	2nd source
	065G040222415K---A	MLCC 0402 0.22uF -10% 16V X5R SAMSUNG	2nd source
C102,C103,C105,C107,C 108,C111	065G040247312K---F	MLCC 0402 47nF +-10% 16V X7R FENGHUA	
	065G040247312K---3	NO-SUGGEST 0402 47nF -10% 16V X7R TDK	2nd source
	065G040247312K---A	MLCC 0402 47nF -10% 16V X7R SAMSUNG	2nd source
C412,C413	065G040256031J---Y	MLCC 0402 56pF +-5% 50V NPO YAGEO	
	065G040256031J---3	MLCC 0402 56pF -5% 50V NPO TDK	2nd source
	065G040256031J---A	MLCC 0402 56pF -5% 50V NPO SAMSUNG	2nd source
C406	065G0603475A5K---T	MLCC 0603 4.7uF +-10% 10V X5R TAIYO YUDEN	
	065G0603475A5K---3	NO-SUGGEST MLCC 0603 4.7uF -10% 10V X5R TDK	2nd source
	065G0603475A5K---M	MLCC 0603 4.7uF -10% 10V X5R MURATA	2nd source
C401,C404,C409	065G0805106A5K---T	MLCC 0805 10uF +-10% 10V X5R TAIYO YUDEN	
	065G0805106A5K---3	NO-SUGGEST MLCC 0805 10uF -10% 10V X5R TDK	2nd source
	065G0805106A5K---M	MLCC 0805 10uF -10% 10V X5R MURATA	2nd source
U402	070GHDCP500HDC	HDCP CODE	
FB401,FB402,FB406	071G-56K121--M	CHIP BEAD	
	071G-56K121	CHIP BEAD	2nd source
	071G-56K121-TA	CHIP BEAD 120R/6000mA HCB2012KF-121T60	2nd source
FB101,FB102,FB190	071G-59G301--M	CHIP BEAD 0603 300R 25% 200mA	
	071G-59G301-TA	CHIP BEAD 300OHM 200mA FCM1608KF-301T02	2nd source
R103,R110,R118	071G-59K190--M	CHIP BEAD 0603 19R/500mA	
	071G-59K190-TA	CHIP BEAD 0603 19R 25% 500mA FCB1608KF-190T05 TAI-TECH	2nd source
D101,D103	093G--64-42-PP	DIODE BAV70 0.125A/85V SOT-23 NXP	
	093G--64-42--P	DIODE BAV70 0.5A/100V SOT23 PANJIT	2nd source

ZD101,ZD102,ZD103,ZD104	093G-39S940--T	DIODE ZD GLZ5.6B MINI-MELF 5.6V/0.5W LL-34 PANJIT	
	093G-39GA01--T	DIODE ZD RLZ5.6B 5.6V/0.5W SEMTECH	2nd source
	093G-39S-24--T	Diode ZD RLZ5.6B ROHM	2nd source
U401	356G0562080B17	IC SCALER TSUMU59AHN-1 LQFP-80 MSTAR	
	056G-562A22	IC SCALER TSUMU58VHN-1 LQFP-80 MSTAR	2nd source
E715	715G5270M01000004L	Main Board FR-4 DS 80*72*1.6MM 12 连板 威尔高	
	715G5270M01000004Q	MAIN PCB FR4 DS 80*72*1.6mm 12 连 板	2nd source
	715G5270M01000004K	Main Board FR-4 DS 80*72*1.6MM 12 连板 景旺	2nd source
	715G5270M01000004I	Main Board FR-4 DS 80*72*1.6MM 12 连板 兴达	2nd source
	F23G3178001	AOC LOGO	
	F40G000361534A	EPA5.1+WIN 7+EAPEAT GOLD	
	F40G215I615-3C	Rating label for E2260SWDA E2260SWD (全球销向)	
	F40GKA01624-2A	Shipping label	
	F44GBF08102	EPS	
	F44GBF08202	EPS	
	F44GBF08615-1B	Carton for E2260SW Series	
	F45G8801607002	PE BAG	
	F52G10012C3001	铝箔 单导 130*30	
	F52G1801MNT005	MYLAR	
	F52G1801MNT007	mylar	
	F70G22C161511A	E2260SWD CD MANUAL	
E09502	F95G176X-10324	FFC CABLE 10PIN 586MM P0.5MM WENXIN	
	F95G176J-10324	FFC CABLE 10PIN 586MM P0.5MM KOTL	2nd source
	F95G176T-10324	FFC CABLE 10PIN 585MM P0.5MM TPV	2nd source
E09501	F95G179X30N229	FFC CABLE 30PIN 362MM P1.0MM WENXIN	
	F95G179J30N229	FFC CABLE 30PIN 362MM P1.0MM KOTL	2nd source
	F95G179T30N229	FFC CABLE 30PIN 362MM P1.0MM	2nd source

		TPV	
	H52G1501--2	黑胶带 W=30mm	
	KEPCBFR3	KEY BOARD FOR SMT	
SW001,SW002,SW003,S W004,SW005	077G603S-AI-CJ	TACT SWITCH 2P 5.0MM HUAZHIJIE	
	077G603S-AI-HJ	TACT SWITCH 2P 5.0MM HUAJIE	2nd source
LED001	381G00122YG0GP	LED yellow/green GP32032M/P310-ZY-30 GUANGPU	
	381G00121YG0EL	LED YELLOW/GREEN 269-3UYSYGC/S530-A3/F182-150 EVERLIGHT	2nd source
CN001	F95G820H-6D703	WIRE HARNESS 6P-6P 290mm GREATLAND	
	F95G820H-6X703	WIRE HARNESS 6P-6P 290mm XINYA	2nd source
	F95G820H-6T703	WIRE HARNESS 6P-6P 290mm DIY	2nd source
	F95G820H-6R703	WIRE HARNESS 6P-6P 290mm DERUN	2nd source
SMTK01	SMTKEPCBFR3	KEY BOARD FOR SMT	
	SMTKEPCBFR3WB	KEY BOARD FOR SMT	2nd source
R001,R003	061G0603101-JT	RST CHIPR 100 OHM +-5% 1/10W 0603 TZAI YUAN	
	061G0603101-JI	RST CHIPR 100 OHM -5% 1/10W 0603 TA-I	2nd source
R002	061G0603102-JT	RST CHIPR 1 KOHM +-5% 1/10W 0603 TZAI YUAN	
	061G0603102-JI	RST CHIPR 1 KOHM -5% 1/10W 0603 TA-I	2nd source
R004,R005	061G0603202-JT	RST CHIPR 2 KOHM +-5% 1/10W 0603 TZAI YUAN	
	061G0603202-JI	RST CHIPR 2 KOHM -5% 1/10W 0603 TA-I	2nd source
ZD006,ZD007	093G--64-59-SU	DIODE ESD MLVS0603M04 0603 INPAQ	
E715	715G5357K03000001R	Key PCB FR1 SS 117*10*1.6mm 20 连板 瑞华	
	715G5357K03000001S	Key PCB FR1 SS 117*10*1.6mm 20 连板 三照	2nd source
	715G5357K03000001M	Key PCB FR1 SS 117*10*1.6mm 20 连板 闽威	2nd source
	PLPCB9481BQD4	POWER Board G4497-P03-000-0010	
GND1	009G6005--1	GROUND TERMINAL	
U902	056G-139--9	IC PHOTO COUPLER EL817M(X)	

		DIP-4 EVERLIGHT	
	056G-139-10	IC PHOTO COUPLER TLP781F(D4-GRL,F) DIP-4 TOSHIBA	2nd source
NR901	061G--5810X	RST NTCR 8 OHM +-20% 4A XINGSHUN	
	061G--5810T	RST NTCR 8 OHM -20% 4A 13mm THINKING	2nd source
	061G--58809MEN	RST NTCR 8OHM +-20% 4A XIANZHENG	2nd source
C908	063G107K474-UM	CAP X2 470NF 10% 275VAC MPX	
	063G107K474-TM	CAP X2 0.47UF K 275VAC	2nd source
C902,C903	065G306M1023BW	CAP Y1 1000PF 20% 250VAC Y5U WANSHENG	
	065G306M1022BP	NO-SUGGEST 1000PF Y1.CAP	2nd source
C900	065G306M3323BW	CAP Y1 3.3nF +-20% 250V Y5U WANSHENG	
	065G306M3322BP	NO-SUGGEST 3300PF 20%	2nd source
C907	067G-40Z10115K	CAP 105C 100UF M 450V	
	067G-40Z10115H	EC 100uF -20% 450V 18*35mm 2000Hr HER-MEI	2nd source
L901	073G-174-65-X2	LINE FILTER 30mH MIN 3TRET20-303M ASET	
	073G-174-65-H2	LINE FILTER 30mH MIN	2nd source
	073G-174-65-S2	LINE FILTER 30mH MIN	2nd source
L906	073G-253-91-V1	CHOKE COIL 1.1uH	
	073G-253191--H	IND CHOKE 1.1uH DADON	2nd source
	073G-253191--L	CHOKE COIL 1.1uH CC-007802 LI TAI	2nd source
L801	073G-253214--H	CHOKE COIL 47uH +-10% L470R HA DADON	
	073G-253214--X	CHOKE COIL 47UH 10% 3LFDR2W0807-470K	2nd source
	073G-253214-DN	CHOKE COIL 47UH 10% LZ.CC013.G01	2nd source
CN901	087G-501-32-DL	AC SOCKET 3PIN+2PIN GROUND DLK	
	087G-501-32-HC	AC SOCKET 3P HONGCHANG	2nd source
BD901	093G--50460502	BD KBP206G 2A 800V KBP TSC	
	093G--50460-28	DIODE BD KBP208G 2A 800V LITEON	2nd source
D902	093G--60335	DIODE SCHOTTKY SR515 5A/150V DO-201AD TSC	
	093G--60325	DIODE SCHOTTKY SB5150 5A 150V DO-201AD LITEON	2nd source

	705GQA93079	D906 ASS'Y	
D906	093G--60526	DIODE SCHOTTKY MBRF1060CT 10A/60V ITO-220AB LITEON	
	093G1506--2	Diode SCHOTTKY FMW-2156 15A 60V TO-220 SANKEN	2nd source
	0M1G-930--8120	SCREW	
HS3	Q90G6084--1	HEAT SINK	
	705GQB57049	Q901 ASS'Y	
Q901	057G-611908	MOSFET TK6A65D 6A/650V SC-67 TOSHIBA	
	057G-667923	MOSFET SMK0765F 7A/650V TO-220FP AUK	2nd source
HS1	090G6064--1	HEAT SINK	
	0M1G-930--8120	SCREW	
	709G4497-QM001	CONSUMPTIVE ASS'Y	
	052G---2191--A	PAPER TAPE	
	055G--23524	WELDING FLUX WITHOUT PB	
	Q49G--51100	唯特偶 GW2066 水基型清洁剂 Cleaner	
	Q51G---6--4509	GLUE_RTV	
	Q55G-100622	TIN STICK(SAC0507)	
	Q55G-100625	TIN STICK_LOW ARGENTUM	
CN902	F95G-825-7D601	WIRE HARNESS 7P-7P 120mm GREATLAND	
	F95G-825-7R601	WIRE HARNESS 7P-7P 120mm DERUN	2nd source
	F95G-825-7X601	WIRE HARNESS 7P-7P 120mm XINYA	2nd source
	F95G-825-7T601	WIRE HARNESS 7P-7P 120mm DIY	2nd source
	H40G-45762429A	CBCP Label for EE	
CN805	LNPCBC123QD1	CONVERSION BOARD	
CN801	311GB254A05AAL	WAFER 5P 2.54MM XIANGLONG	
	311GB254A05AAF	WAFER 5P 2.54MM JUNFENG	2nd source
	709G4033-QM001	COMSUPTIVE ASS'Y	
	052G---2191--A	PAPER TAPE	
	055G--23524	WELDING FLUX WITHOUT PB	
	Q49G--51100	唯特偶 GW2066 水基型清洁剂 Cleaner	
	Q51G---6--4509	GLUE_RTV	
	Q55G-100622	TIN STICK(SAC0507)	
	Q55G-100625	TIN STICK_LOW ARGENTUM	
LNPC01	LNBC123QD1SMT	CONVERSION BOARD FOR SMT	
	LNBC123QD1SMTWB	CONVERSION BOARD FOR SMT WB	2nd source

CN802	311GF050B10ADL	FFC CONN 10P 0.5MM XIANGLONG	
	033G801910Y--H	NO-SUGGEST WAFER 10P 0.5MM GAOLIN	2nd source
	311GF050B10ADH	FFC CONN 10P 0.5MM HR	2nd source
	709G4033-QS001	COMSUPTIVE ASS'Y	
	052G--2191--A	PAPER TAPE	
	055G--23520	IPA	
	055G-100610	锡膏 TIN CREAM W/O PB	
	Q05G6054--1	接料带 SHEET	
	Q09G6012--1	铜扣 PIN	
	Q52G6026--6	擦网纸 Mesh Printting Paper	
E715	715G4033P01000004I	Power board FR-4 DS 20*20*1.6mm 42 连板 兴达	
	715G4033P01000004L	Power board FR-4 DS 20*20*1.6mm 42 连板 威尔高	2nd source
	715G4033P01000004S	Power board FR-4 DS 20*20*1.6mm 42 连板 三照	2nd source
	PLB9481BQD1SMT	POWER BOARD FOR SMT	
U901	056G-379529	IC AC/DC CONVERTER LD7576AGR SOP-7 LEADTREND	
U801	056G-700-11	IC LED DRIVER OZ9998BGN-A1-0-TR SOP-16 O2	
Q801	057G-763947	MOSFET APM8005KCTRG 5.2A/80V SOP-8 ANPEC	
	057G-763-92	MOSFET P8008HV 4A/80V SOP-8 NIKO-SEM	2nd source
R819,R820,R821,R822,R 828,RJ801	061G0805000-JT	RST CHIPR 0 OHM +- 5% 1/8W TZAI YUAN	
	061G0805000-JF	RST CHIPR 0 OHM -5% 1/8W FENGHUA	2nd source
	061G0805000-JY	RST CHIPR MAX 0R05 OHM 1/8W YAGEO	2nd source
R804	061G0805100-JF	RST CHIPR 10 OHM +-5% 1/8W FENGHUA	
	061G0805100-JT	RST CHIP 10R 1/8W 5% TZAI YUAN	2nd source
R807,R808	061G0805100-JT	RST CHIP 10R 1/8W 5% TZAI YUAN	
	061G0805100-JF	RST CHIPR 10 OHM -5% 1/8W FENGHUA	2nd source
R928	061G08051001FF	CHIPR 0805 1KOHM +-1% 1/8W FENGHUA	
	061G08051001FT	RST CHIP 1K 1/8W 1%	2nd source

R810	061G08051002FF	RST CHIPR 10KOHM +-1% 1/8W FENGHUA	
	061G08051002FT	CHIPR 0805 10KOHM -1% 1/8W TZAI YUAN	2nd source
R916	061G08051002FT	CHIPR 0805 10KOHM +-1% 1/8W TZAI YUAN	
	061G08051002FF	RST CHIPR 10KOHM -1% 1/8W FENGHUA	2nd source
R806	061G0805102-JF	RST CHIPR 1K OHM +-5% 1/8W FENGHUA	
	061G0805102-JT	RST CHIPR 1K OHM -5% 1/8W TZAI YUAN	2nd source
R907	061G0805102-JT	RST CHIPR 1K OHM +-5% 1/8W TZAI YUAN	
	061G0805102-JF	RST CHIPR 1K OHM -5% 1/8W FENGHUA	2nd source
R801,R818	061G0805103-JF	RST CHIPR 10K OHM +-5% 1/8W FENGHUA	
	061G0805103-JT	RST CHIPR 10 KOHM -5% 1/8W 0805 TZAI YUAN	2nd source
R918	061G0805103-JT	RST CHIPR 10 KOHM +-5% 1/8W 0805 TZAI YUAN	
	061G0805103-JF	RST CHIPR 10K OHM -5% 1/8W FENGHUA	2nd source
R805	061G0805104-JY	RST CHIPR 100 KOHM +-5% 1/8W 0805 YAGEO	
	061G0805104-JF	RST CHIPR 100KOHM -5% 1/8W FENGHUA	2nd source
	061G0805104-JT	RST CHIPR 100KOHM -5% 1/8W TZAI YUAN	2nd source
R824,R825,R826,R827	061G0805109-JF	RST CHIPR 1 OHM +-5% 1/8W FENGHUA	
	061G0805109-JY	RST CHIP 1R 1/8W 5% YAGEO	2nd source
	061G0805109-JT	RST CHIP 1R 1/8W 5% TZAI YUAN	2nd source
R811	061G08051202FT	RST CHIP 12K 1/8W 1%	
	061G08051202FY	RST CHIP 12K 1/8W 1% YAGEO	2nd source
R919	061G08051500FT	RST CHIPR 150 OHM +-1% 1/8W 0805 TZAI YUAN	
	061G08051500FF	RST CHIPR 150 OHM -1% 1/8W 0805 FENGHUA	2nd source
R815	061G08052403FT	RST CHIPR 240 KOHM +-1% 1/8W	

		0805 TZAI YUAN	
	061G08052403FF	CHIPR 240KOHM -1% 1/8W	2nd source
R802,R803	061G0805304-JF	RST CHIPR 300KOHM +-5% 1/8W FENGHUA	
	061G0805304-JT	RST CHIP 300K 1/8W 5% TZAI YUAN	2nd source
R809	061G08053303FT	RST CHIPR 330 KOHM +-1% 1/8W 0805 TZAI YUAN	
	061G08053303FY	RST CHIPR 330 KOHM -1% 1/8W 0805 YAGEO	2nd source
R920	061G08054701FF	CHIPR 0805 4.7KOHM +-1% 1/8W FENGHUA	
	061G08054701FT	CHIPR 0805 4.7KOHM -1% 1/8W TZAI YUAN	2nd source
R905	061G0805471-JT	RST CHIPR 470OHM +-5% 1/8W TZAI YUAN	
	061G0805471-JF	RST 0805 470 OHM -5% 1/8W FENGHUA	2nd source
R816	061G08057501FT	RST CHIPR 7.5 KOHM +-1% 1/8W 0805 TZAI YUAN	
	061G08057501FF	RST CHIPR 7.5 KOHM -1% 1/8W 0805 FENGHUA	2nd source
R925	061G08059311FF	RST CHIPR 9.31 KOHM +-1% 1/8W 0805 FENGHUA	
	061G08059311FT	RST CHIPR 9.31 KOHM -1% 1/8W 0805 TZAI YUAN	2nd source
F801	061G1206000-JT	RST CHIPR MAX0R05 1/4W TZAI YUAN	
	061G1206000-JI	TEST ONLY RST 0 OHM 5% 1/4W TA-I	2nd source
R917	061G1206100-JT	RST CHIPR 10 OHM +-5% 1/4W TZAI YUAN	
	061G1206100-JF	CHIPR 1206 10 OHM -5% 1/4W FENGHUA	2nd source
R909,R910,R912	061G1206101-JT	RST CHIPR 100 OHM +-5% 1/4W TZAI YUAN	
	061G1206101-JF	RST 1206 100 OHM -5% 1/4W FENGHUA	2nd source
R908,R911	061G1206103-JT	RST CHIPR 10KOHM +-5% 1/4W TZAI YUAN	
	061G1206103-JF	RST CHIPR 10KOHM -5% 1/4W FENGHUA	2nd source

R913	061G1206109-JT	CHIPR 1206 1 OHM +- 5% 1/4W	
	061G1206109-JF	RST CHIPR 1 OHM -5% 1/4W 1206 FENGHUA	2nd source
R923	061G1206221-JT	RST CHIPR 220 OHM +-5% 1/4W TZAI YUAN	
	061G1206221-JF	RST CHIPR 220 OHM -5% 1/4W FENGHUA	2nd source
	061G1206221-JY	RST CHIPR 220R -5% 1/4W YAGEO	2nd source
R812,R813	061G1206308-JT	RST CHIPR 0.3 OHM +-5% 1/4W CAIZHI	
	061G1206308-JF	RST CHIPR 0.3 OHM -5% 1/4W FENGHUA	2nd source
R900,R901,R902	061G1206624-JF	RST CHIPR 620 KOHM +-5% 1/4W 1206 FENGHUA	
	061G1206624-JT	RST CHIPR 620 KOHM -5% 1/4W TZAI YUAN	2nd source
R903,R929,R930	061G1206680-JT	RST CHIPR 68 OHM +-5% 1/4W 1206 TZAI YAUN	
	061G1206680-JY	RST CHIPR 68 OHM -5% 1/4W 1206 YAGEO	2nd source
R817	061G1206681-JT	RST CHIPR 680 OHM +-5% 1/4W	
	061G1206681-JF	RST CHIPR 680 OHM -5% 1/4W 1206 FENGHUA	2nd source
C812,C813	065G080510131J---F	MLCC 0805 100pF +-5% 50V NPO FENGHUA	
	065G080510131J---A	MLCC 0805 100pF -5% 50V NPO SAMSUNG	2nd source
	065G080510131J---Y	MLCC 0805 100pF -5% 50V NPO YAGEO	2nd source
C815,C906,C914,C923	065G080510232K---F	MLCC 0805 1000pF +-10% 50V X7R FENGHUA	
	065G080510232K---Y	MLCC 0805 1000pF -10% 50V X7R YAGEO	2nd source
	065G080510232K---A	MLCC 0805 1000pF -10% 50V X7R SAMSUNG	2nd source
C803	065G080510232K---Y	MLCC 0805 1000pF +-10% 50V X7R YAGEO	
	065G080510232K---A	MLCC 0805 1000pF -10% 50V X7R SAMSUNG	2nd source
	065G080510232K---F	MLCC 0805 1000pF -10% 50V X7R FENGHUA	2nd source

C802,C915	065G080510332K---Y	MLCC 0805 10nF +-10% 50V X7R YAGEO	
	065G080510332K---A	MLCC 0805 10nF -10% 50V X7R SAMSUNG	2nd source
	065G080510332K---F	MLCC 0805 10nF -10% 50V X7R FENGHUA	2nd source
C814	065G080510432K---F	MLCC 0805 0.1uF +-10% 50V X7R FENGHUA	
	065G080510432K---3	NO-SUGGEST MLCC 0805 0.1uF -10% 50V X7R TDK	2nd source
	065G080510432K---A	MLCC 0805 0.1uF -10% 50V X7R SAMSUNG	2nd source
C912,C924,C926	065G080510432K---Y	MLCC 0805 0.1uF +-10% 50V X7R YAGEO	
	065G080510432K---A	MLCC 0805 0.1uF -10% 50V X7R SAMSUNG	2nd source
	065G080510432K---F	MLCC 0805 0.1uF -10% 50V X7R FENGHUA	2nd source
C806	065G080522432K---F	MLCC 0805 0.22uF +-10% 50V X7R FENGHUA	
	065G080522432K---3	NO-SUGGEST MLCC 0805 0.22uF -10% 50V X7R TDK	2nd source
C805	065G080522512K---Y	MLCC 0805 2.2uF +-10% 16V X7R YAGEO	
	065G080522512K---M	MLCC 0805 2.2uF -10% 16V X7R MURATA	2nd source
C927	065G080547332K---F	MLCC 0805 47nF +-10% 50V X7R FENGHUA	
	065G080547332K---3	NO-SUGGEST MLCC 0805 47nF -10% 50V X7R TDK	2nd source
	065G080547332K---A	MLCC 0805 47nF -10% 50V X7R SAMSUNG	2nd source
C810,C811	065G080547432K---A	MLCC 0805 0.47uF +-10% 50V X7R SAMSUNG	
	065G080547432K---M	MLCC 0805 0.47uF -10% 50V X7R MURATA	2nd source
	065G080547432K---T	MLCC 0805 0.47uF -10% 50V X7R TAIYO YUDEN	2nd source
C804,C807	065G080547432K---T	MLCC 0805 0.47uF +-10% 50V X7R TAIYO YUDEN	
	065G080547432K---F	MLCC 0805 0.47uF -10% 50V X7R	2nd source

		FENGHUA	
C916,C917,C928,C929	065G120622272K---F	MLCC 1206 2200pF +-10% 500V X7R FENGHUA	
	065G120622272K---Y	MLCC 1206 2200pF -10% 500V X7R YAGEO	2nd source
D801	093G-60S907--T	Diode SCHOTTKY B3100B 3A 100V SMB LITEON	
	093G-60S942--T	Diode SCHOTTKY SM3100B 3A 100V SMB SECOS	2nd source
	709G4497-QS001	CONSUMPTIVE ASS'Y	
	052G---2191--A	PAPER TAPE	
	Q05G6054--1	接料带 SHEET	
	Q09G6012--1	铜扣 PIN	
	Q51G-100502	GLUE_RED_MALER	
	PLB9481BQD1AI	POWER BOARD FOR AI	
CN901	006G--31500	EYELET	
U903	056G-158-10--T	IC DC/DC AS431AZTR-E1 TO-92 TO92RAK	
	056G-563354	IC LDO Shunt. Reg. TL431-A-TA TO-92 HTC	2nd source
Q904	057G-530503--T	MOSFET 2SD1207T 2A/60V TO-92L BLUE ROCKET	
	057G-761-16	NO-SUGGEST TRA KTD1028 1A/50V TO-92L KECCSEOU	2nd source
R915	061G-17222052T--TZ	RST CFR 22 OHM +-5% 1/4W TZAI YUAN	
	061G-17222052T--XZ	RST CFR 22 OHM -5% 1/4W XIANZHENG	2nd source
R906	061G152M10452T--SY	MOFR 100KOHM +-5% 2WS SHUANGYU	
	061G152M10452T--HX	MOFR 100KOHM -5% 2WS HUAXING	2nd source
R924	061G152M47852T--SY	MOFR 0.47 OHM +-5% 2WS	
R904,R922	061G152M68152T--SY	RST MOF 680R 5% 2WS	
	061G152M68152T--HX	MOFR 680 OHM -5% 2WS HUAXING	2nd source
C911	065G--2K152-2T6921	CAP CER 1500pF K 2KV Y5P	
	065G--2K152-2T6213	CAP CER 1500PF K 2KV	2nd source
C816	065G517K102-2T6921	CAP CER 1000pF +-10% 500V Y5P WANSHENG	
C920	067G-2046812LT	CAP CS 680UF 20% 10V 8*11.5	
	067G-2046812KT	CS CAP 680uF 10V 8*11 mm	2nd source
C809	067G-4153309LT	EC 33uF +-20% 100V 8*11.5 4000H	

		LELON	
	067G-4153309KT	EC 33uF -20% 100V 8*12 4000H ELITE	2nd source
C922	067G215S4713LT	EC 470uF +-20% 16V 10*12.5 4000Hr LELON	
	067G215S4713KT	EC 470uF -20% 16V 10*13 4000Hr CHINSAN	2nd source
C913	067G215Y4707KT	47uF 50V	
	067G215Y4707LT	LOW ESR EC 47uF 50V M 6.3*11mm	2nd source
FB801,FB803,FB901,FB902	071G--55-29	FERRITE BEAD	
	071G--55-29--X	BEAD 3.5*2.2*0.8 45R -25% 3BDR3522-453A ASET	2nd source
F901,F902	084G--56--4--B	FUSE 4A 250V	
	084G--56-4W	FUSE 4.0A 250V	2nd source
ZD901	093G--3960252T	DIODE ZENER MTZJ20B 18.63-19.59V 0.5W DO-34 Semtech	
D903,D904	093G--6026T52T	DIODE RECTIFIER FR107 AO 1A/1000V TSC	
	093G110050152T	DIODE PR1007 1A/1000V 500ns DO-41 LITEON	2nd source
D907	093G--6451652T	DIODE SWITCHING 1N4148 0.15A/100V DO-35 PANJIT	
	093G--6452452T	DIODE SWITCHING 1N4148-B4006 0.2A 100V DO-35 SEMTECH	2nd source
J801,J802,J803,J804,J805,J806,J807,J808,J809,J810,J811,J812,J815,J901,J903,J904,J905,J906,J907,J908,J909,J910,J921	095G--90-23	JUMPER WIRE	
C801,C918	367G215X3314LT	EC 330uF +-20% 25V 10*12.5 4000Hr LELON	
	067G215D3314KT	EC 330uF -20% 25V 10*12 4000Hr CHINSAN	2nd source
	709G4497-QA001	CONSUMPTIVE ASS'Y	
	052G---1191	YELLOW TAPE	
	052G---1192	GLASS CLOTH	
	052G---2191--A	PAPER TAPE	
E715	715G4497P05000001M	Power PCB FR1 SS 184*122*1.6MM 2 联板 三照	
	715G4497P05000001S	Power PCB FR1 SS 184*122*1.6MM 2	2nd source

		联板 三照	
T901	S80GL22T3V3	X'FMR 490uH +-7% 4uH P-C28-144 ER28 TPV	
	080GL22T--3-N3	X'FMR 490uH -7% 4uH MAX YUVA-1656 YUVA	2nd source
	Q12G6600--6	FOOT	
	Q15G1120401101	mainframe	
	Q33G0519AED-1B0100	KEY_FUNCTION	
	Q33G0520--1-1C0100	LENS_POWER	
	Q34G7496AEDE1S0130	bezel	
	Q34G7497AED-7S0200	rear cover	
	Q34G7498AED-2S0100	stand	
	Q34G7512AED-1S0130	Base	
	Q37G0249041	hinge	
	Q40G-58162435A	P/N LABEL FOR MANUAL PE BAG	
	Q40G000161515A	CARTON LABEL(70*40)	
	Q40G0001624-4A	PALLET LABEL	
	Q40G0003615A80	QC PASS LABEL	
	Q45G2010M0201A	pe bag for manual	
	Q52G---1211579	conductive tape 135*45*0.09(单导)	