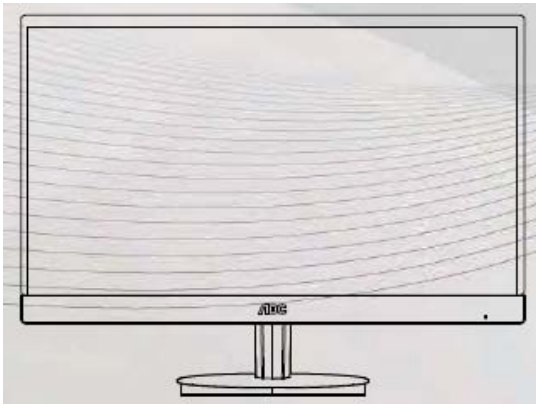
Service
Service
Service



Service Manual

Horizontal Frequency
30-83 KHz

Table of Contents

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	L&T Model Name
A00	FEB-19-2013	Initial Release	HFCJV27MFV3ADNF.LF

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

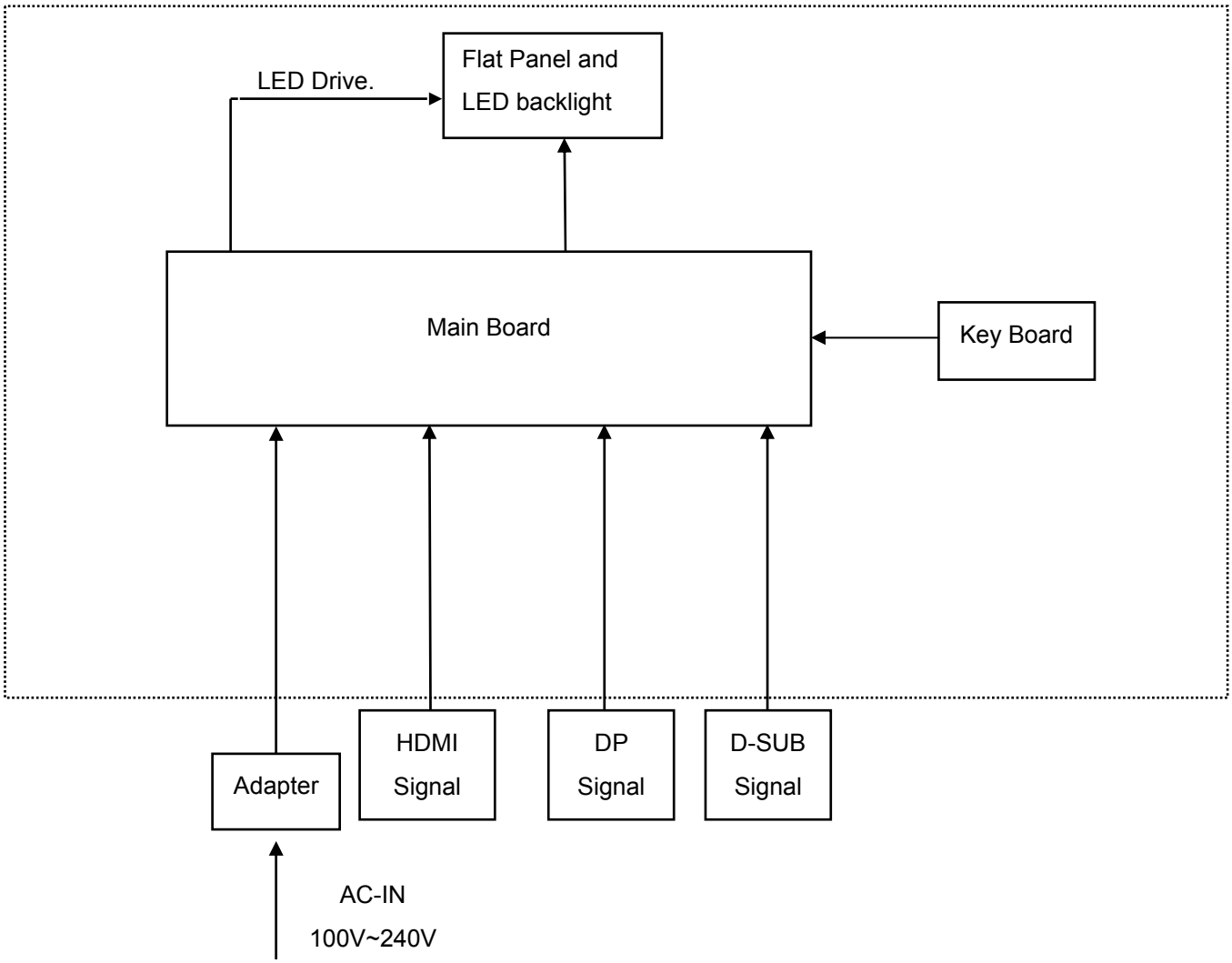
I2769VM

Panel	Model name	I2769VM
	Driving system	TFT Color LCD
	Viewable Image Size	686mm Diagonal
	Pixel pitch	0.1038*RGB(H)mm x 0.3114 (V)mm
	Video	R, G, B Analog Interface ,HDMI,MHL,DP
	Separate Sync.	H/V TTL
	Display Color	16.7M Colors
	Dot Clock	170MHz
Resolution	Horizontal scan range	30kHz to 83kHz
	Horizontal scan Size(Maximum)	597.888mm
	Vertical scan range	50Hz to 76Hz
	Vertical scan Size(Maximum)	336.312mm
	Optimal preset resolution	1920×1080@60Hz
	Plug & Play	VESA DDC2B/C1
	Input Connector	VGA,HDMI, DP
	Input Video Signal	Analog: 0.7Vp-p(standard),75 OHM,Positive,HDMI,MHL,DP
	Power Source	100-240V~, 50/60Hz
	Power Consumption	Active<35W(Typical)
		Standby < 0.5 W
	Off timer	0-24 hrs
Physical Characteristics	Connector Type	VGA, HDMI, DP
	Signal Cable Type	Detachable
	Dimensions & Weight:	
	Height (with base)	448.8mm
	Width	621.9mm
	Depth	213.2mm
	Weight (monitor only)	5.0kg
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~ 5000m (0~ 16404 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.

Monitor Block Diagram

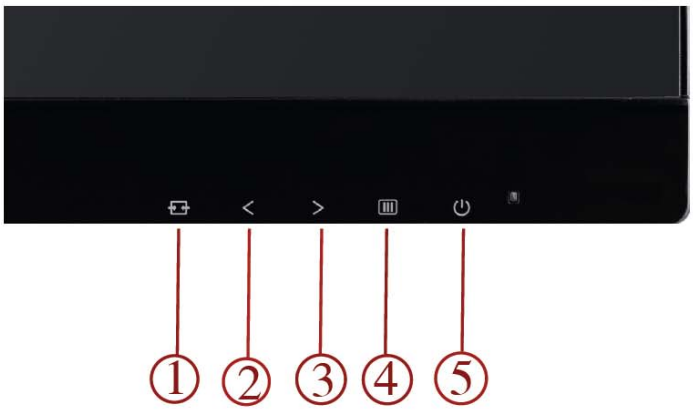


3. Operating Instructions

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



I2269V$_{WM}$/I2369V$_{M}$/I2769V$_{M}$

1	Source/Auto/Exit
2	Clear Vision/ <
3	Volume/ >
4	Menu/Enter
5	Power

I2269V$_{W}$/I2369V/I2769V

1	Source/Auto/Exit
2	Clear Vision/ <
3	4:3 or wide / >
4	Menu/Enter
5	Power

Power

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

Menu/Enter

Press to display the OSD or confirm the selection.

Volume / >

When there is no OSD, press Volume adjust volume.

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 / Source hot key

When there is no OSD, press Auto/Source button continuously about 2 second to do auto configure.
When the OSD is closed, press Source button will be Source hot key function. Press Source button continuously to select the input source showed in the message bar, press Menu/Enter button to change to the source selected.

3.3 OSD Setting

Basic and simple instruction on the control keys.

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 non-standard ECO, DCR , DCB, Picture Boost is activated , the other three of functions are 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 **MENU** to enter.

4. Press < or > to adjust.

5. Press **AUTO** to exit.

I2269VWM/I2369VM/I2769VM

	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
	Overdrive	Weak		Adjust the response time
		Medium		
		Strong		
		Off		
	DPS	Off		Dynamic Power saving
		On		

	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.

5. 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
	Break Reminder	Off	Break reminder if the user continuously work for more than1hrs
		On	

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.

I2269VWM/I2369VM /I2769VM

	Input Select	Auto	Select to Auto Detect input signal
		D-SUB	Select D-SUB Signal Source as Input
		HDMI1/MHL	Select HDMI1/MHLSource as Input
		HDMI2	Select HDMI2 Source as Input
	Auto Config	yes or no	Auto adjust the picture to default
	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
	Off Timer	0~24hours	Select timing to turn off the monitor.
	Information		Show the information of the main image and sub-image source

I2269VW/I2369V /I2769V

	Input Select	Auto	Select to Auto Detect input signal
		D-SUB	Select D-SUB Signal Source as Input
		DVI	Select DVI Source as Input
	Auto Config	yes or no	Auto adjust the picture to default
	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
	Off Timer	0~24hours	Select timing to turn off the monitor.
	Information		Show the information 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** or **AUTO** to exit.

	Exit		Exit the main OSD

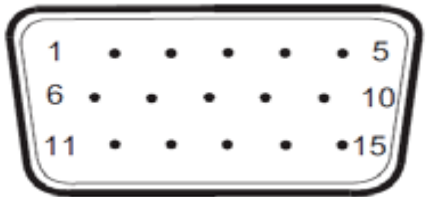
LED Indicator

Status	**LED Color**	
Full Power Mode	Green	
Active-off Mode	orange	

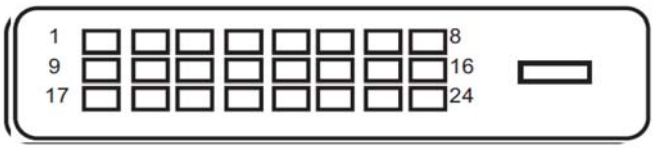
4. Input/Output Specification

4.1 D-SUB CONNECTORS and HDMI CONNECTORS

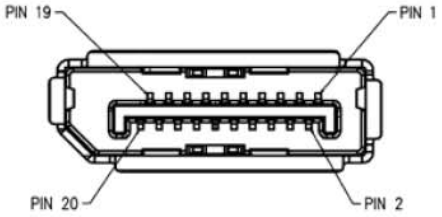
Pin Assignments



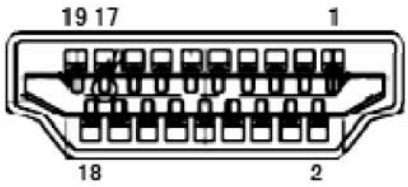
Pin Number	15-Pin Side of the Signal Cable	Pin Number	15-Pin Side of the Signal Cable
1	Video-Red	9	+5V
2	Video-Green	10	Ground
3	Video-Blue	11	N.C.
4	N.C.	12	DDC- Serial data
5	Detect Cable	13	H- sync
6	GND-R	14	V- sync
7	GND-G	15	DDC- Serial clock
8	GND-B		



Pin Number	24-Pin Color Display Signal Cable	Pin Number	24-Pin Color Display Signal Cable
1	TMDS data 2−	13	TMDS data 3+
2	TMDS data 2+	14	+5V Power
3	TMDS data 2/4 Shield	15	Ground (for+5V)
4	TMDS data 4−	16	Hot Plug Detect
5	TMDS data 4+	17	TMDS data 0−
6	DDC Clock	18	TMDS data 0+
7	DDC Data	19	TMDS data 0/5 Shield
8	N.C.	20	TMDS data 5−
9	TMDS data 1−	21	TMDS data 5+
10	TMDS data 1+	22	TMDS Clock Shield
11	TMDS data 1/3 Shield	23	TMDS Clock +
12	TMDS data 3−	24	TMDS Clock −



PIN	MNEMONIC	SIGNAL
1	ML Lane 3 (n)	Lane 3 -
2	GND	Ground
3	ML Lane 3 (p)	Lane 3 +
4	ML Lane 2 (n)	Lane 2 -
5	GND	Ground
6	ML Lane 2 (p)	Lane 2 +
7	ML Lane 1 (n)	Lane 1 -
8	GND	Ground
9	ML Lane 1 (p)	Lane 1 p
10	ML Lane 0 (n)	Lane 0 -
11	GND	Ground
12	ML Lane 0 (p)	Lane 0 +
13	GND	Ground
14	GND	Ground
15	AUX CH (p)	Aux Channel +
16	GND	Ground
17	AUX CH (n)	Aux Channel -
18	HPD	Hot Plug Detect
19	Return	Return
20	DP PWR	Source Power In



Pin No.	Signal Name	Pin No.	Signal Name	Pin No.	Signal Name
1	TMDS Data 2+	9	TMDS Data 0	17	DDC/CEC Ground
2	TMDS Data 2 Shield	10	TMDS Clock +	18	+5V Power
3	TMDS Data 2	11	TMDS Clock Shield	19	Hot Plug Detect
4	TMDS Data 1+	12	TMDS Clock		
5	TMDS Data 1Shield	13	CEC		
6	TMDS Data 1	14	Reserved (N.C. on device		
7	TMDS Data 0+	15	SCL		
8	TMDS Data 0 Shield	16	SDA		

4.2 Factory Preset Display Modes

STAND	Resolution	HORIZONTAL FREQUENCY(kHZ)	VERTICAL FREQUENCY(Hz)
VGA	640x480@60Hz	31.469	59.940
	640x480@72Hz	37.861	72.809
	640x480@75Hz	37.500	75.00
SVGA	800x600@56Hz	35.156	56.250
	800x600@60Hz	37.879	60.317
	800x600@72Hz	48.077	72.188
	800x600@75Hz	46.875	75.000
XGA	1024x768@60Hz	48.363	60.004
	1024x768@70Hz	56.476	70.069
	1024x768@75Hz	60.023	75.029
SXGA	1280x1024@60Hz	63.981	60.020
	1280x1024@75Hz	79.976	75.025
WXGA+	1440x900@60Hz	55.935	59.887
WSXGA	1680x1050@60Hz	65.290	59.954
HD	1920x1080@60Hz	67.500	60.000
***	1280x960@60HZ	60.000	60.000
IBM MODE DOS	640x350@70Hz	31.469	70.087
	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

LM270WF5-S2CD 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 27.0 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 LM270WF5-S2CD characteristics provide an excellent flat panel display for office automation products such as monitors.

4.3.2 Display Characteristics

Active screen size	27 inches(68.6cm) diagonal
Outline Dimension	617.5 (H) x 361.2 (V) x 13.7 (D) mm(Typ.)
Pixel Pitch	0.1038*RGB(H)mm x 0.3114 (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/m2 (Center 1Point, typ)
Viewing Angle (CR>10)	R/L 178(Typ.), U/D 178(Typ.)
Power Consumption	Total 18.9 W(Typ.), (3.8 W@V_{LCD} , 15.1 W@W/O Driver)
Weight	2890 g (Typ.)
Display operating mode	Transmissive mode, Normally Black
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	VLCD		4.5	5.0	5.5	Vdc	
Permissive Power Input Ripple	VLCD		-	-	0.3	V	1
Power Supply Input Current	ILCD	60Hz	-	760	990	mA	2
		75Hz	-	-	1200	mA	
		60Hz	-	1100	1430	mA	3
		75Hz	-	-	1720	mA	
Power Consumption	PLCD_TYP (@60Hz)		-	3.8	4.8	Watt	2
	PLCD_MAX (@60Hz)		-	5.3	6.5	Watt	3
Inrush current	IRUSH		-	-	3.5	A	4

LED bar Electrical characteristics

Parameter	Symbol	Values			Unit	Notes
		Min.	Typ.	Max.		
LED String Current	Is	-	90	100	mA	1, 2, 5
LED String Voltage	Vs	39.2	42.0	44.8	V	1, 5
Power Consumption	PBar	-	15.1	16.1	Watt	1, 2, 4
LED Life Time	LED_LT	30,000	-	-	Hrs	3

4.3.4 Optical Characteristics

Ta=25 °C, V_{LCD}=5.0V, f_V=60Hz, D_{CLK}=72MHz, Is=90mA

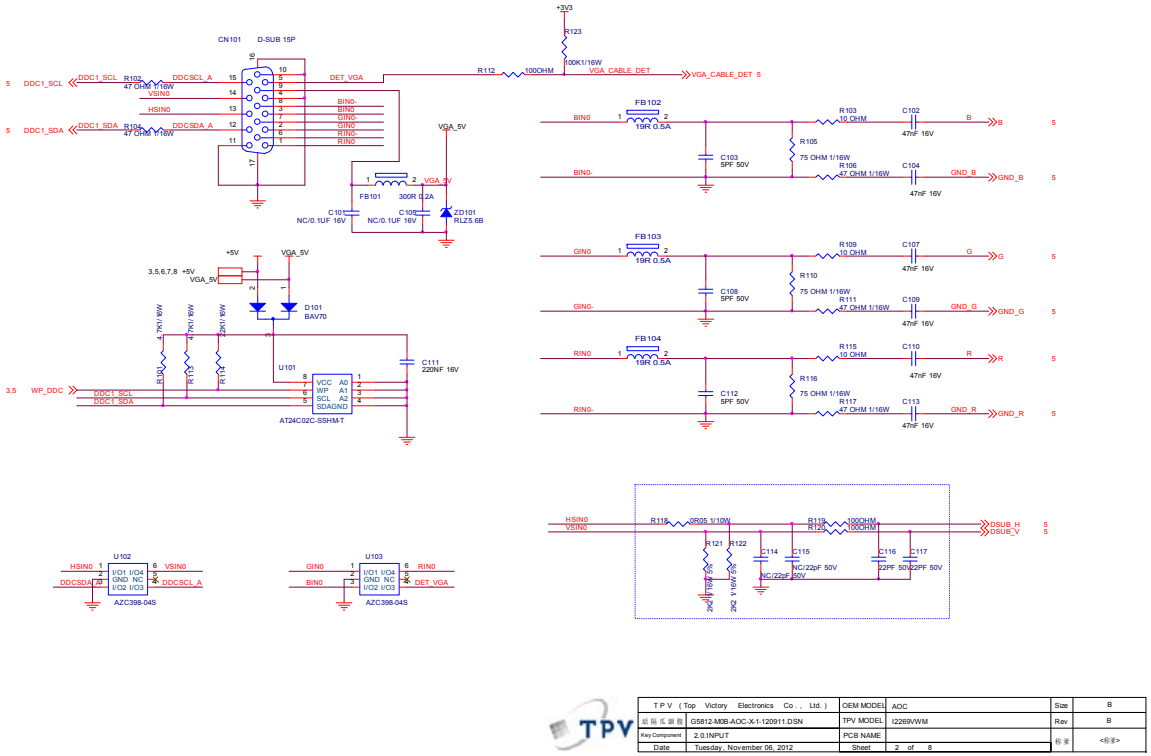
Parameter		Symbol	Values			Units	Notes
			Min	Typ	Max		
Contrast Ratio		CR	700	1000	-		1
Surface Luminance	white	LWH	200	250	-	cd/m2	2
Luminance Variation		δ WHITE	75			%	3
Response Time (Gray to Gray)		TGTG_AVR	-	14	28	ms	4
Color Coordinates [CIE1931] (By PR650)	RED	Rx	Typ -0.03	0.653	Typ +0.03		
		Ry		0.337			
	GREEN	Gx		0.320			
		Gy		0.612			
	BLUE	Bx		0.150			
		By		0.068			
	WHITE	Wx		0.313			
		Wy		0.329			
Viewing Angle (CR>10)							
	x axis, right(ϕ=0°)	θr	85	89		Degree	5
	x axis, left (ϕ=180°)	θl	85	89			
	y axis, up (ϕ=90°)	θu	85	89			
	y axis, down (ϕ=270°)	θd	85	89			
Crosstalk					1.5	%	6

6. Schematic

6.1 Main Board

715G5812M0D000004I

INPUT



T P V (Top Victory Electronics Co., Ltd.)		OEM MODEL	AOC	Size	B
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Key Component	2.0.INPUT	PCB NAME		标 準	<标準>
Date	Tuesday, November 06, 2012	Sheet	2 of 8		

DDCSCL_A

HDMI

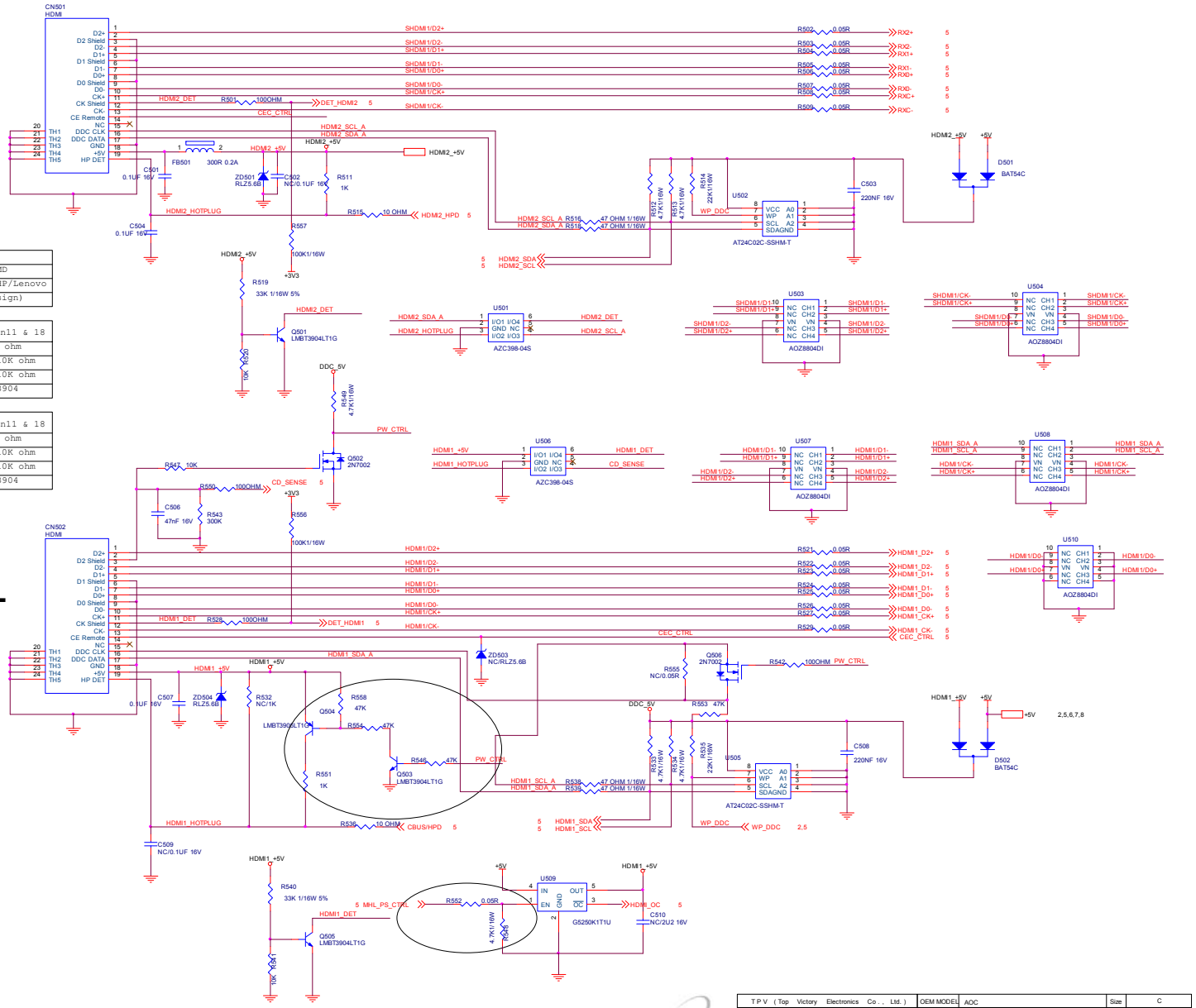
1

Detect pin	Brand
11	LGE/Acer/MMD
18	ASUS/Dell/HP/Lenovo
11 & 18	LGE(LGE design)

HDMI2	Pin11	Pin18	Pin11 & 18
R508	100 ohm	100 ohm	100 ohm
R536	NC	10K ohm	10K ohm
R537	NC	10K ohm	10K ohm
Q501	NC	3904	3904

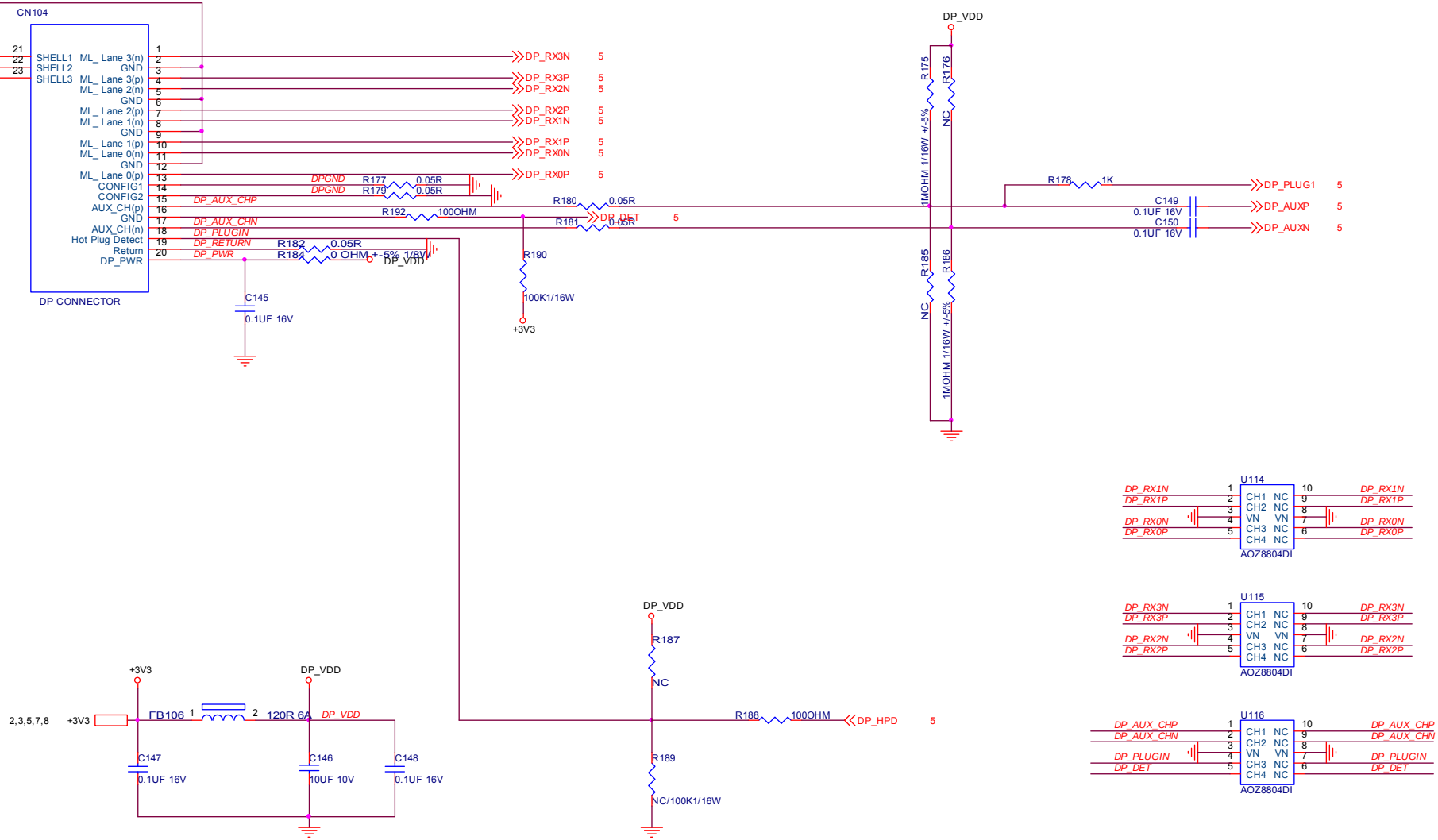
HDMI1	Pin11	Pin18	Pin11 & 18
R525	100 ohm	100 ohm	100 ohm
R538	NC	10K ohm	10K ohm
R539	NC	10K ohm	10K ohm
Q502	NC	3904	3904

2MHL



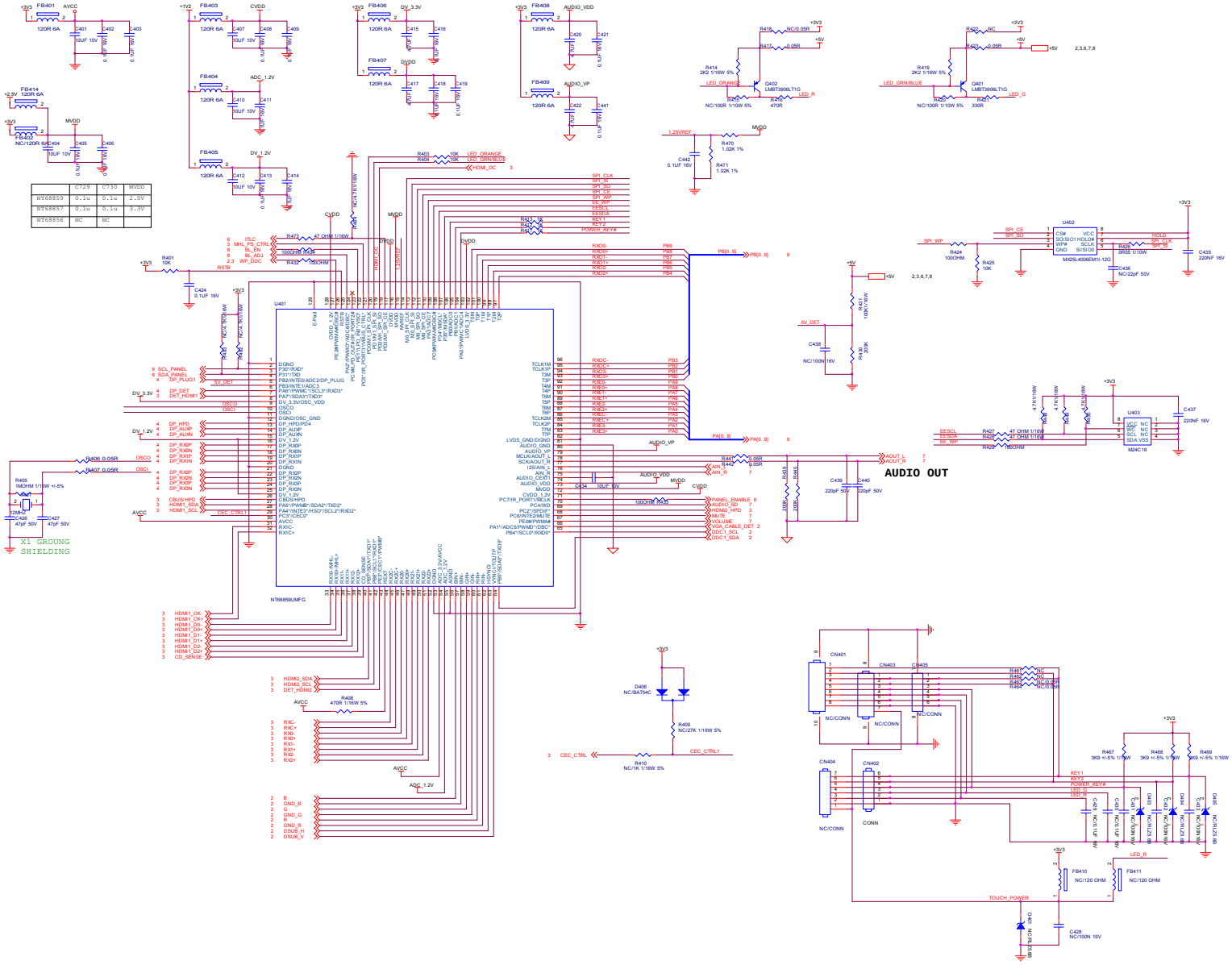
T P V （Top Victory Electronics Co . . Ltd.）	OEM MODEL	AOC	Size C
版 版 瓜 瓣 股	TPV MODEL	I2269VWM	Rev B
Key Component	PCB NAME	3.0HDMI	标签 <标签>
Date Tuesday , Nov ember 06, 2012	Sheet	3 of 8	

DP



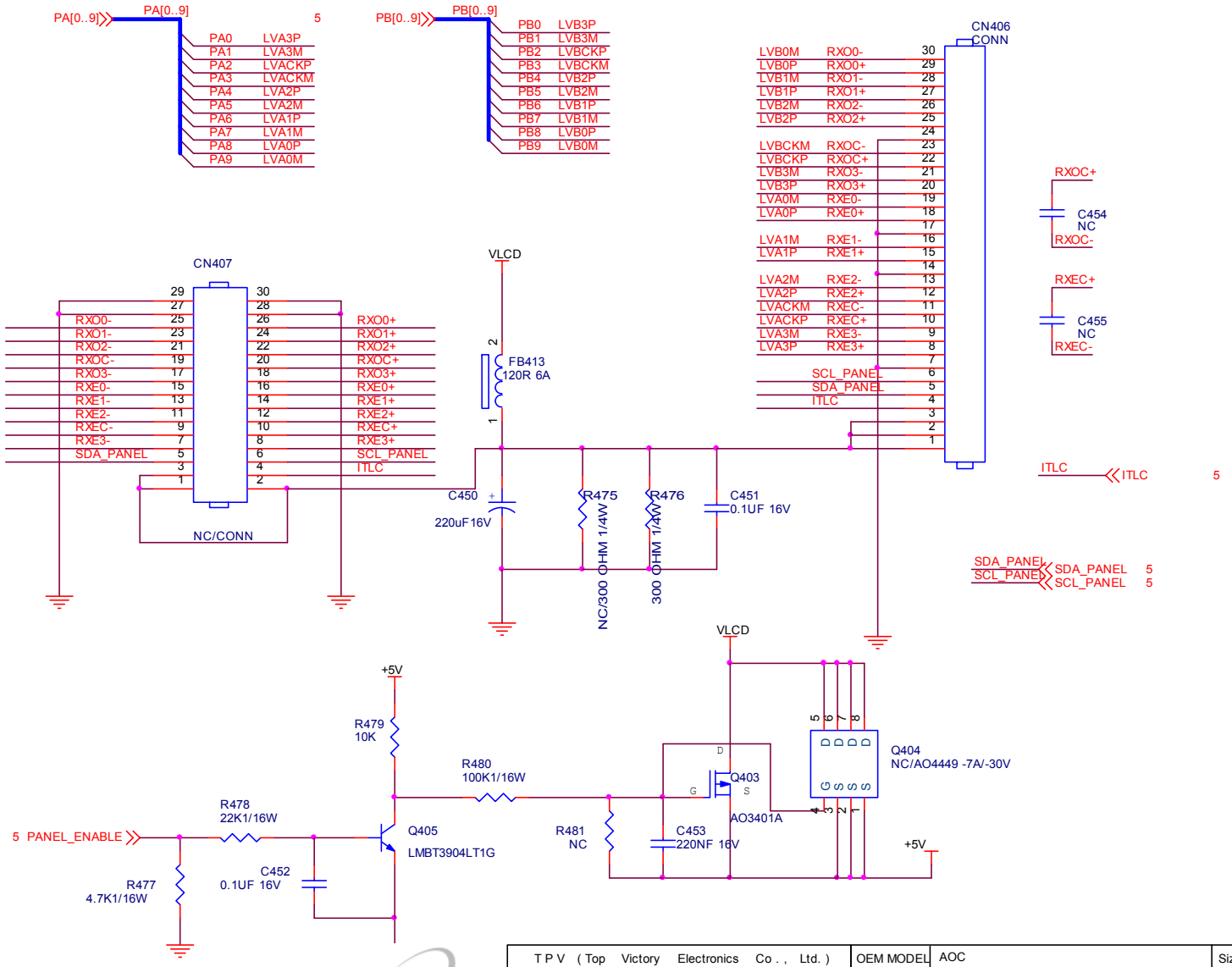
T P V (Top Victory Electronics Co . , Ltd.)		OEM MODEL	AOC	Size	B
結 隔 瓜 銅 腹	G5812-M0B-AOC-X-1-120911.DSN	TPV MODEL	I2269VWM	Rev	D
Key Component	04.DP	PCB NAME		称 爹	<称爹>
Date	Tuesday , November 06, 2012	Sheet	4 of 8		

SCALER



	C729	C736	MVDD
NT68859	0.1u	0.1u	2.5V
NT68857	0.1u	0.1u	3.3V
NT68856	NC	NC	

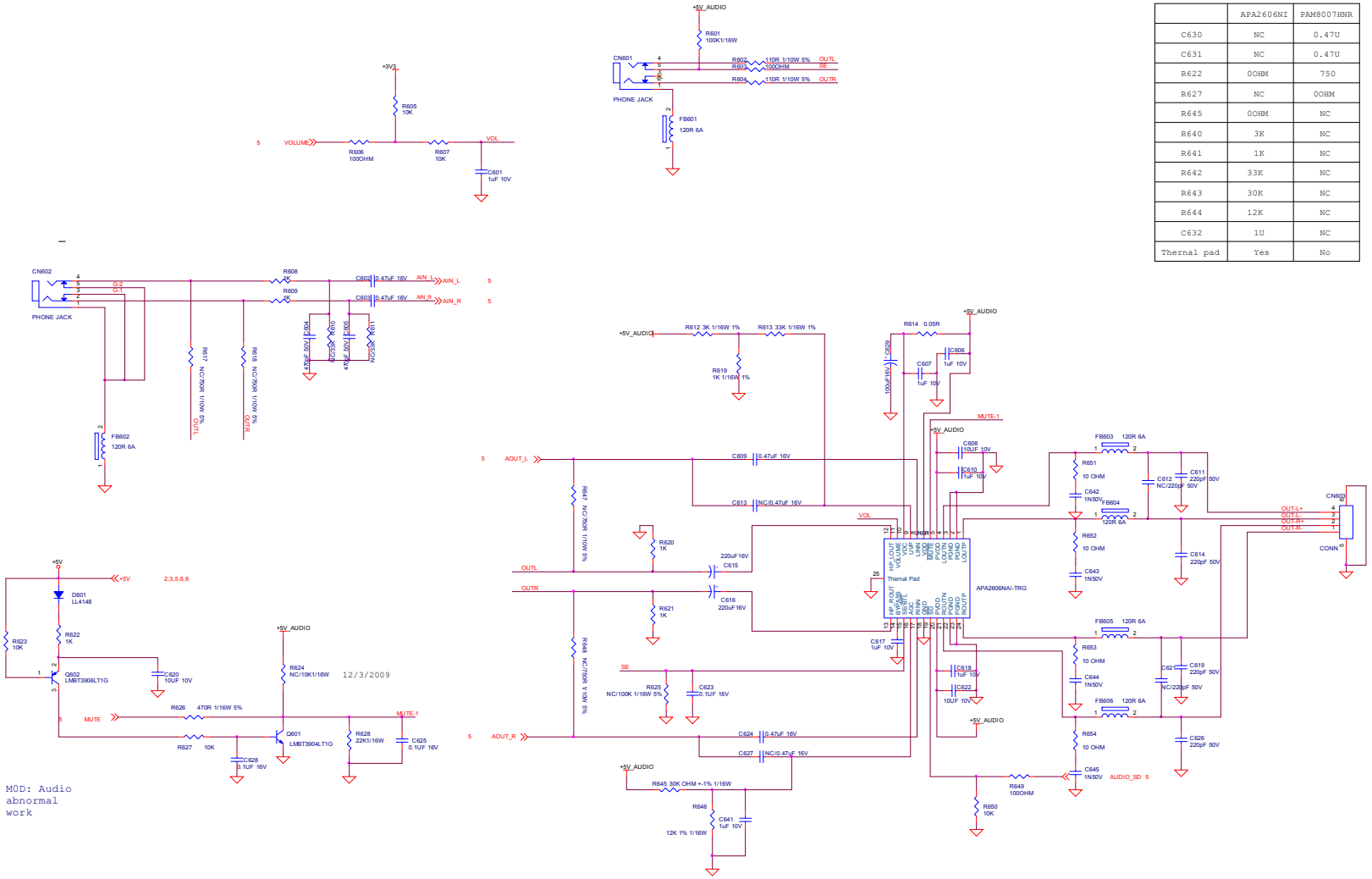
OUTPUT



T P V (Top Victory Electronics Co., Ltd.)		OEM MODEL	AOC	Size	Custom
結 隔 瓜 綢 腹	G5812-M0B-AOC-X-1-120911.DSN	TPV MODEL	I2269VWM	Rev	B
Key Component	6.0.OUTPUT	PCB NAME		称 爹	<称爹>
Date	Tuesday, November 06, 2012	Sheet	6 of 8		

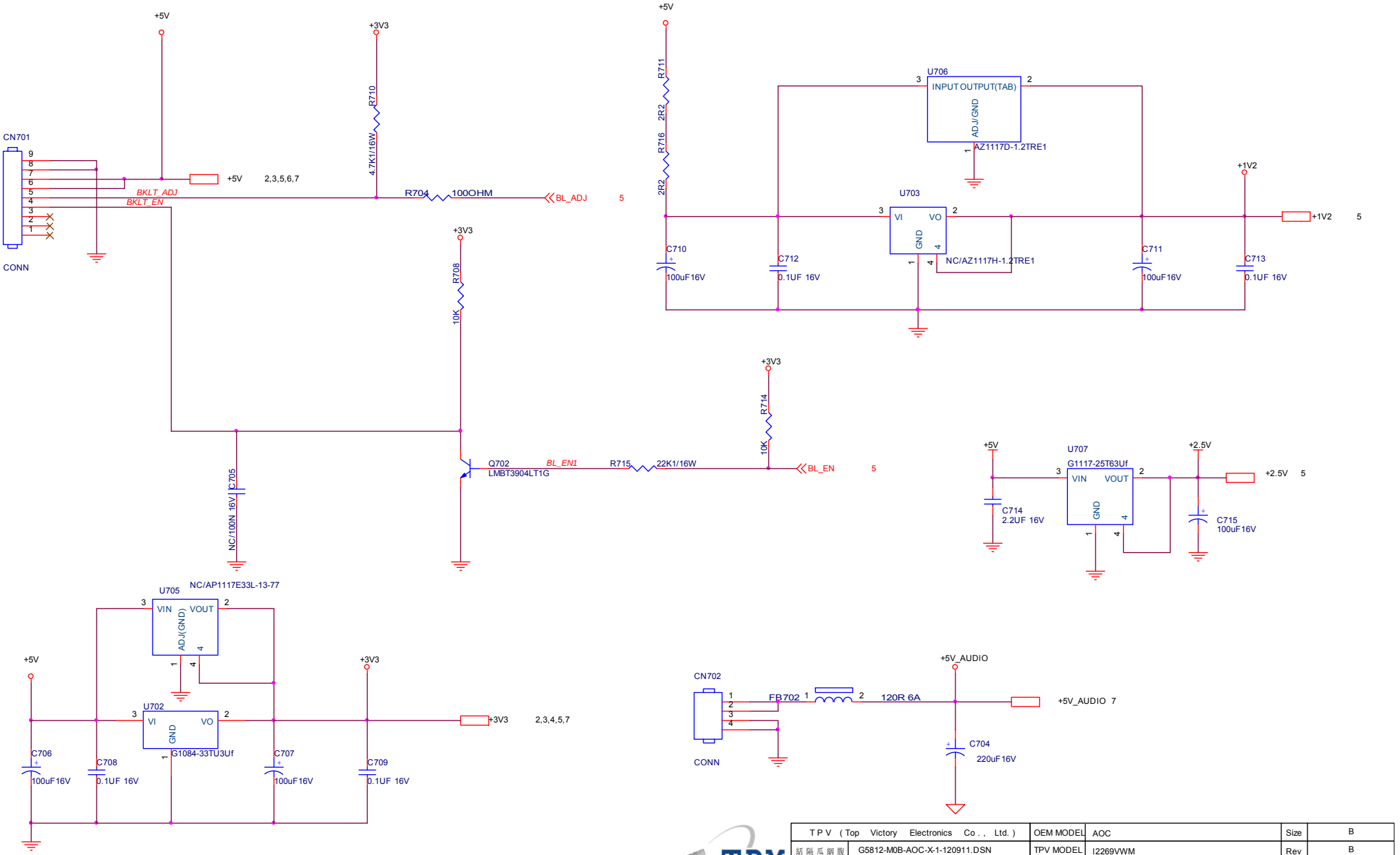
AUDIO

	APA2606NI	PAM8007HNR
C630	NC	0.47U
C631	NC	0.47U
R622	0OHM	750
R627	NC	0OHM
R645	0OHM	NC
R640	3K	NC
R641	1K	NC
R642	33K	NC
R643	30K	NC
R644	12K	NC
C632	1U	NC
Thernal pad	Yes	No



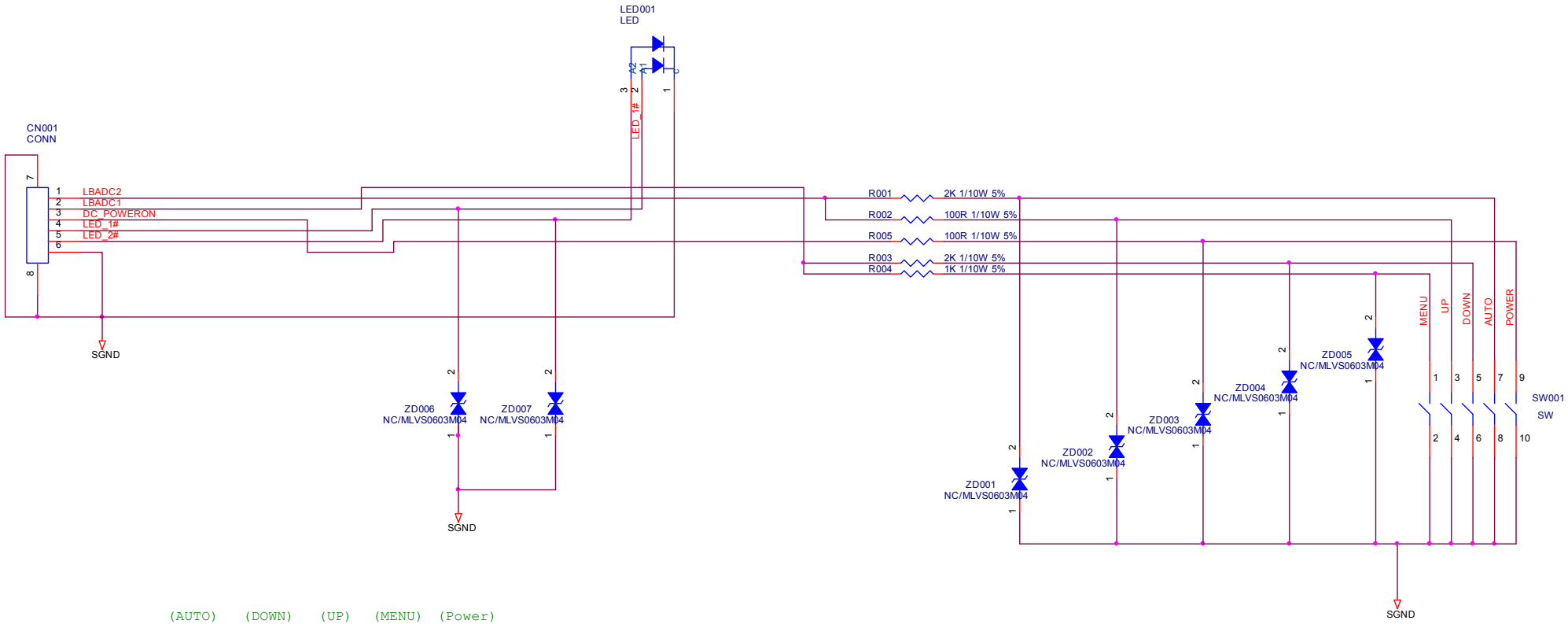
T P V (Top Victory Electronics Co ., Ltd.)	OEM MODEL	AOC	Size / Custom
G5812-M0B-AOC-X-1-120911.DSN	TPV MODEL	I2269VWM	Rev / B
7.0.AUDIO	PCB NAME		
Wednesday, December 19, 2012	Sheet	7 of 8	

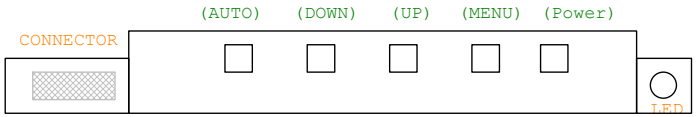
POWER



T P V (Top Victory Electronics Co . , Ltd.)		OEM MODEL	AOC	Size	B
結 隔 瓜 網 腹	G5812-M0B-AOC-X-1-120911.DSN	TPV MODEL	I2269VWM	Rev	B
Key Component	8.0.POWER	PCB NAME		称 爹	<称爹>
Date	Tuesday , November 06, 2012	Sheet	8 of 8		

6.2 Key Board
715G5768K0B000004K



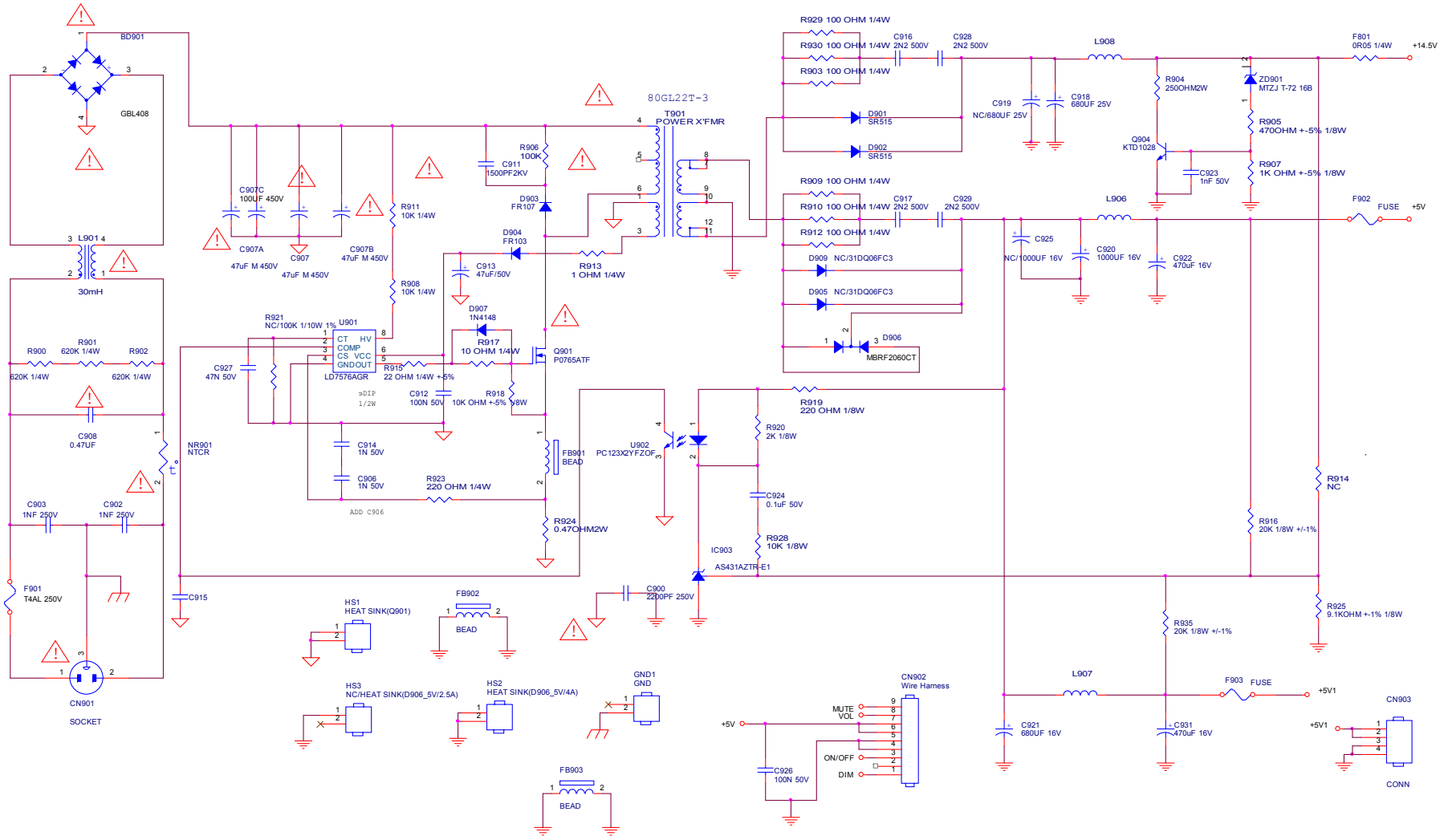


LBADC1	AUTO(2.0K)	1.118V
	UP(100 ohm)	0.083V
LBADC2	DOWN(2K)	1.118V
	MENU(1K)	0.673V
POWER	POWER(100 ohm)	0.083V

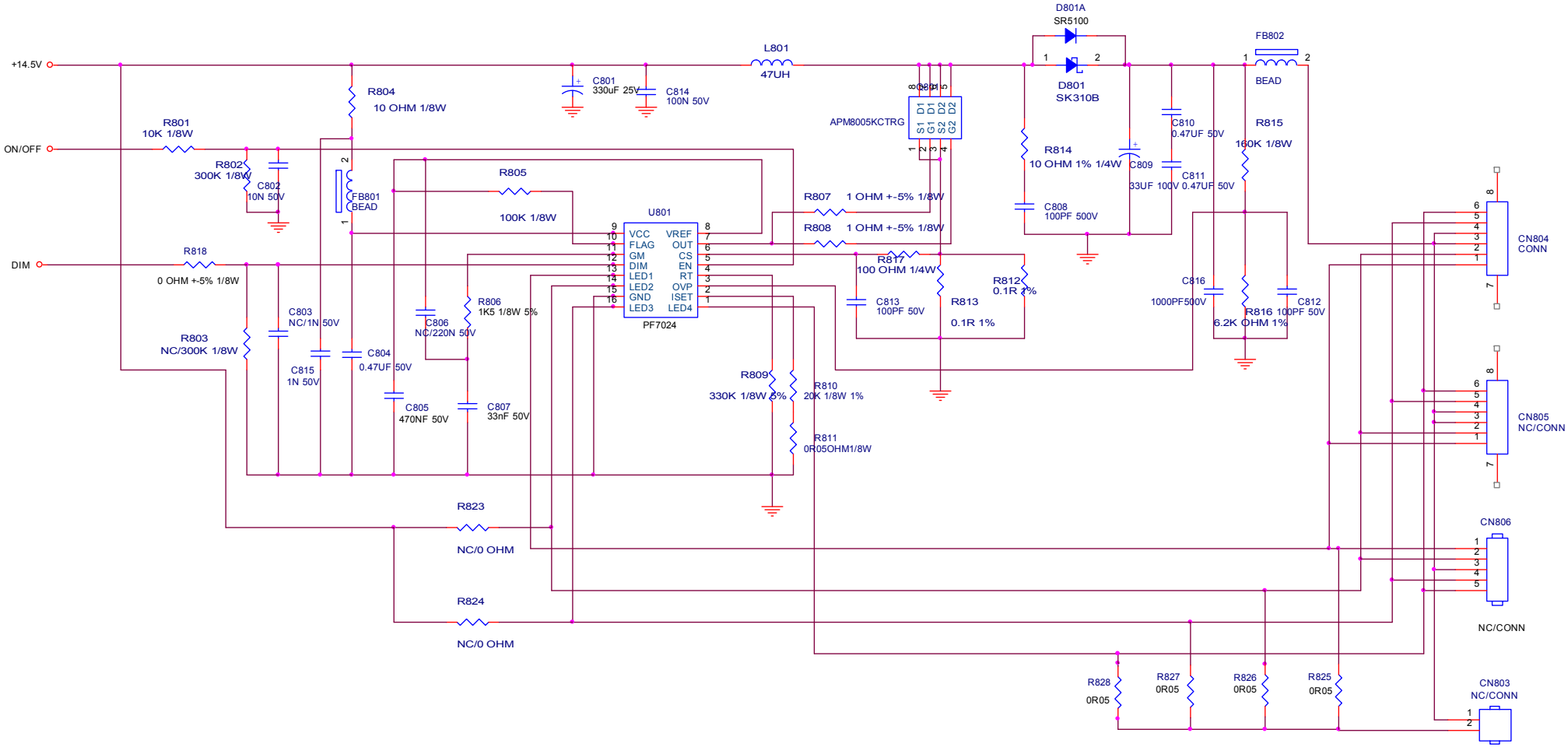
TPV (Top Victory Electronics Co., Ltd.)		OEM MODEL	AOC	Size	B
結隔瓜鋼腹	715G5768-K0A	TPV MODEL	AOC 69ID	Rev	B
Key Component	2.0.key	PCB NAME	715G5768-K0A-000-0040	称爹	<称爹>
Date	Friday, July 20, 2012	Sheet	2 of 2		

6.3 Power Board

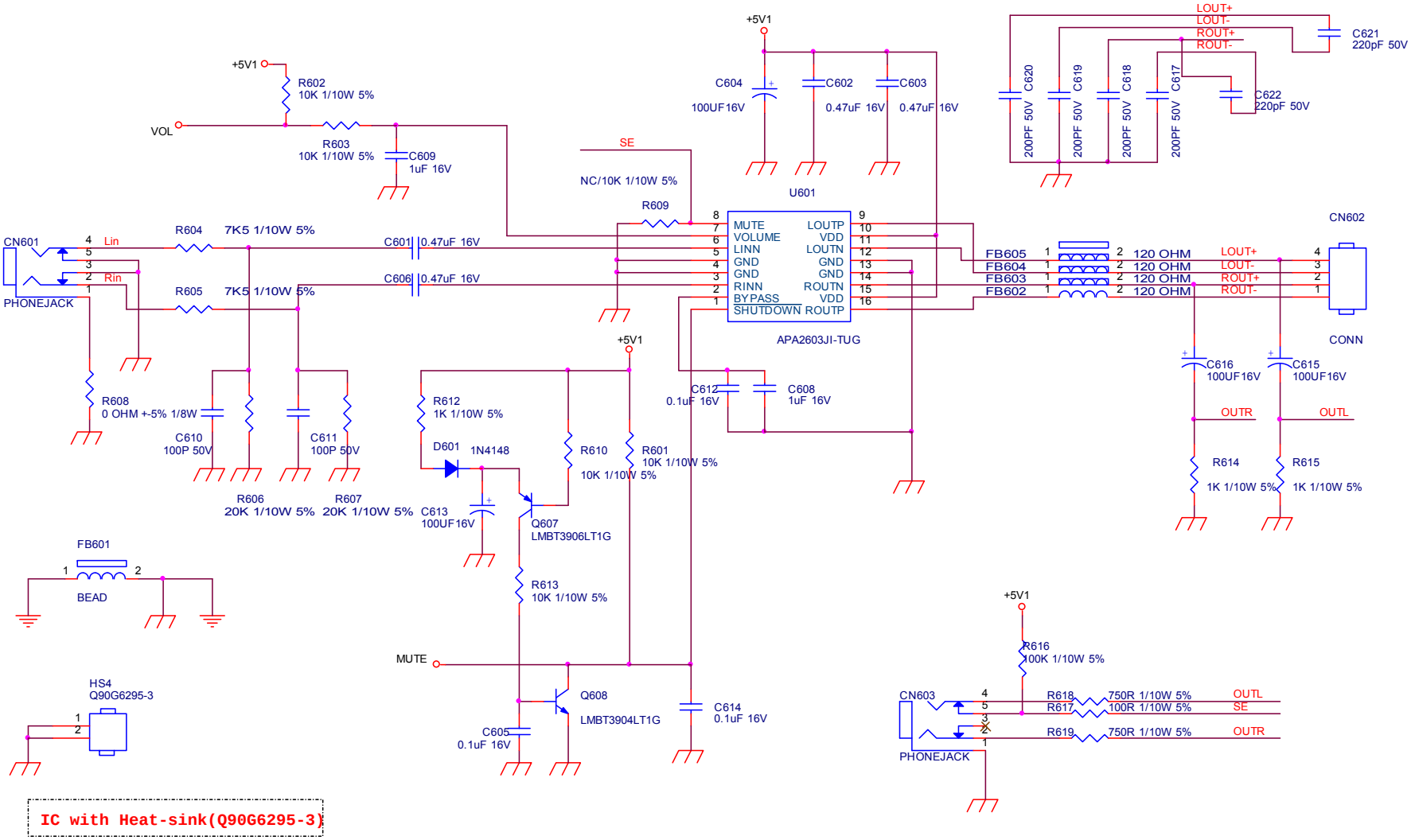
715G4744P02004001M



T P V (Top Victory Electronics Co . , Ltd.)		OEM MODEL		Size	Custom
結 篇 瓜 蘇 腹	G4744-P01-000-X-10-110128	TPV MODEL	PLPCA9361AHE4	Rev	1
Key Component	01.POWER	PCB NAME	715G4744-P01-000-0010	称 爹	ODM MODEL
Date	Friday, July 20, 2012	Sheet	1 of 3		



TPV (Top Victory Electronics Co., Ltd.)		OEM MODEL		Size	Custom
話 隔 瓜 錮 覆	G4744-P01-000-X-10-110128	TPV MODEL	PLPCA9361AHE4	Rev	1
Key Component	02.CONVERTER	PCB NAME	715G4744-P01-000-0010	称 爹	ODM MODEL
Date	Monday, July 23, 2012	Sheet	2 of 3		



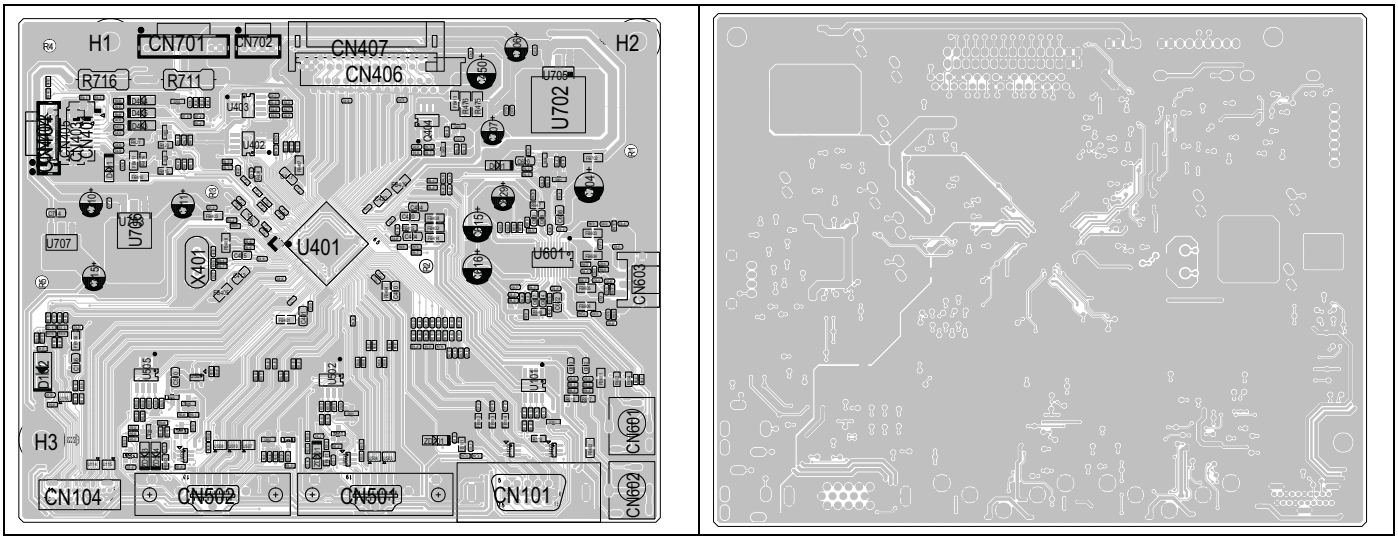
IC with Heat-sink(Q90G6295-3)

TPV (Top Victory Electronics Co., Ltd.)		OEM MODEL	AOC 619vH	Size	A4
結構代號	G2824-2A-5-X-28-090212	TPV MODEL	PWPC9E41CAJO	Rev	1
Key Component	04.AUDIO	PCB NAME	715G2824-2A-5	名稱	ODM MODEL
Date	Friday, July 20, 2012	Sheet	4 of 4		

7. PCB Layout

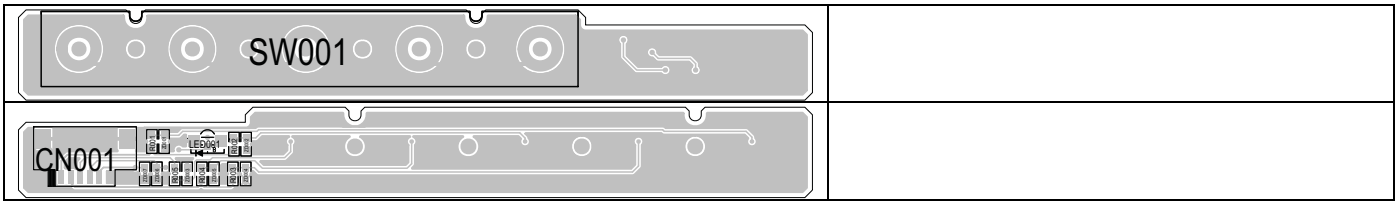
7.1 Main Board

715G5812M0D000004I



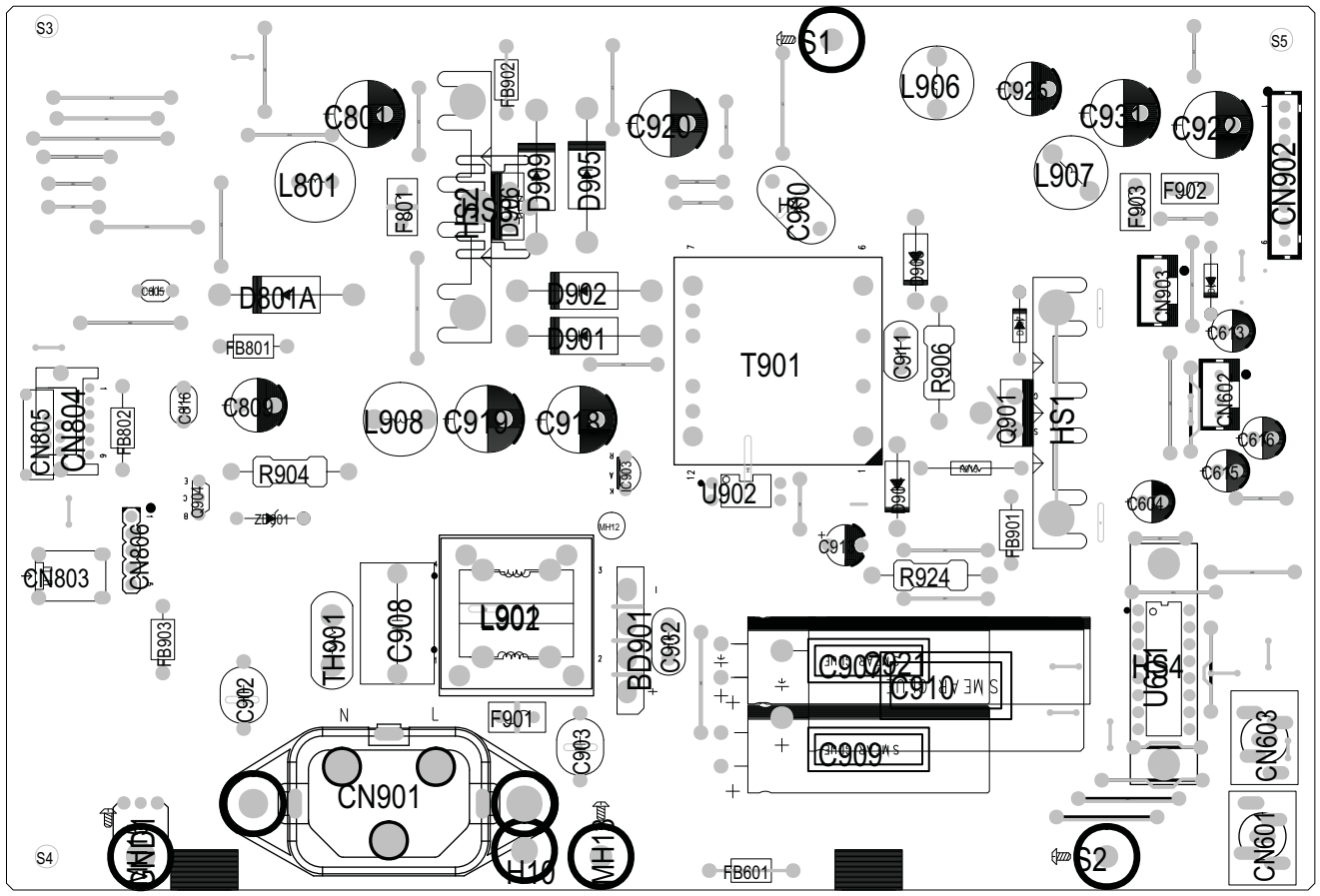
7.2 Key Board

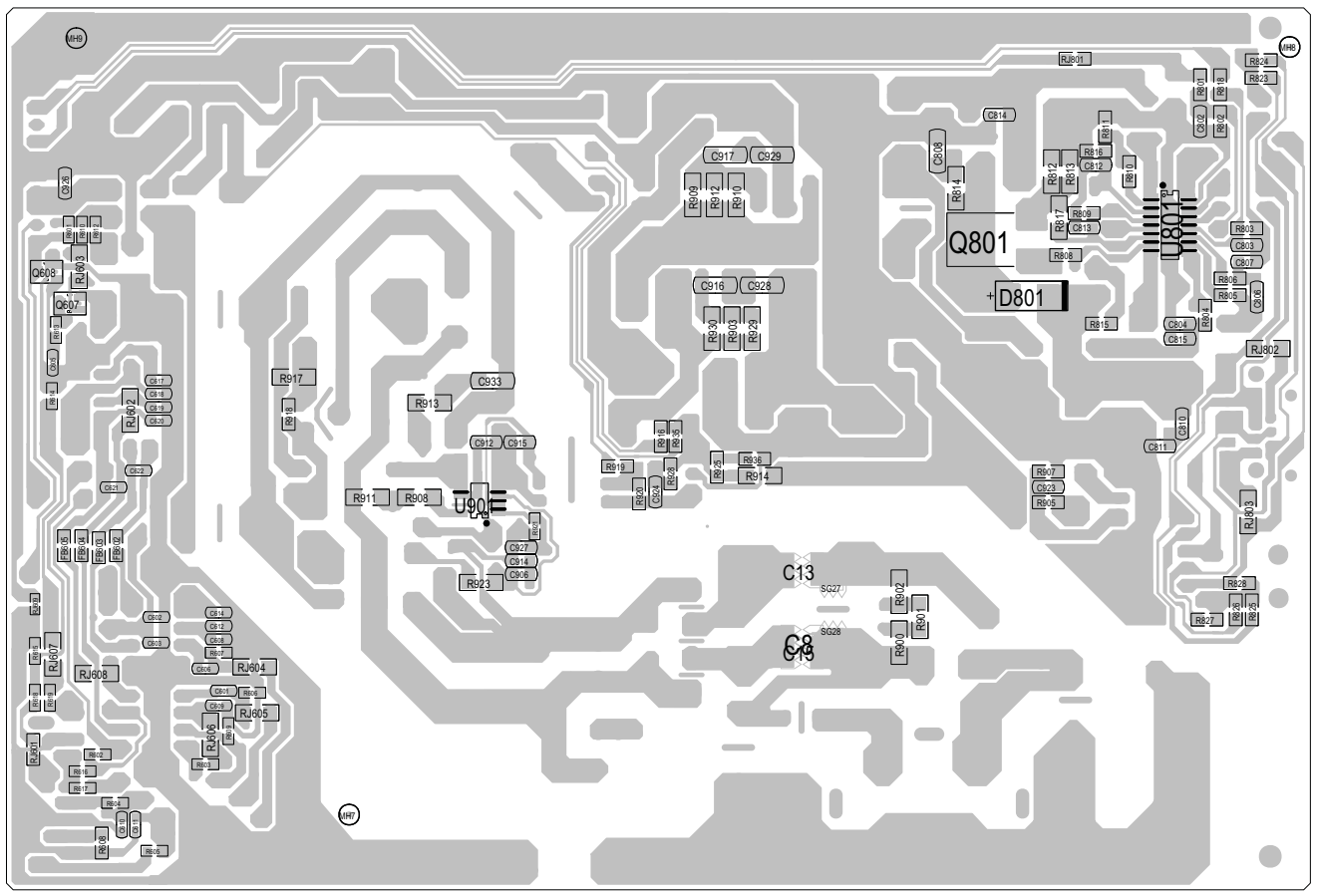
715G5768K0B000004K



7.3 Power Board

715G4744P02004001M





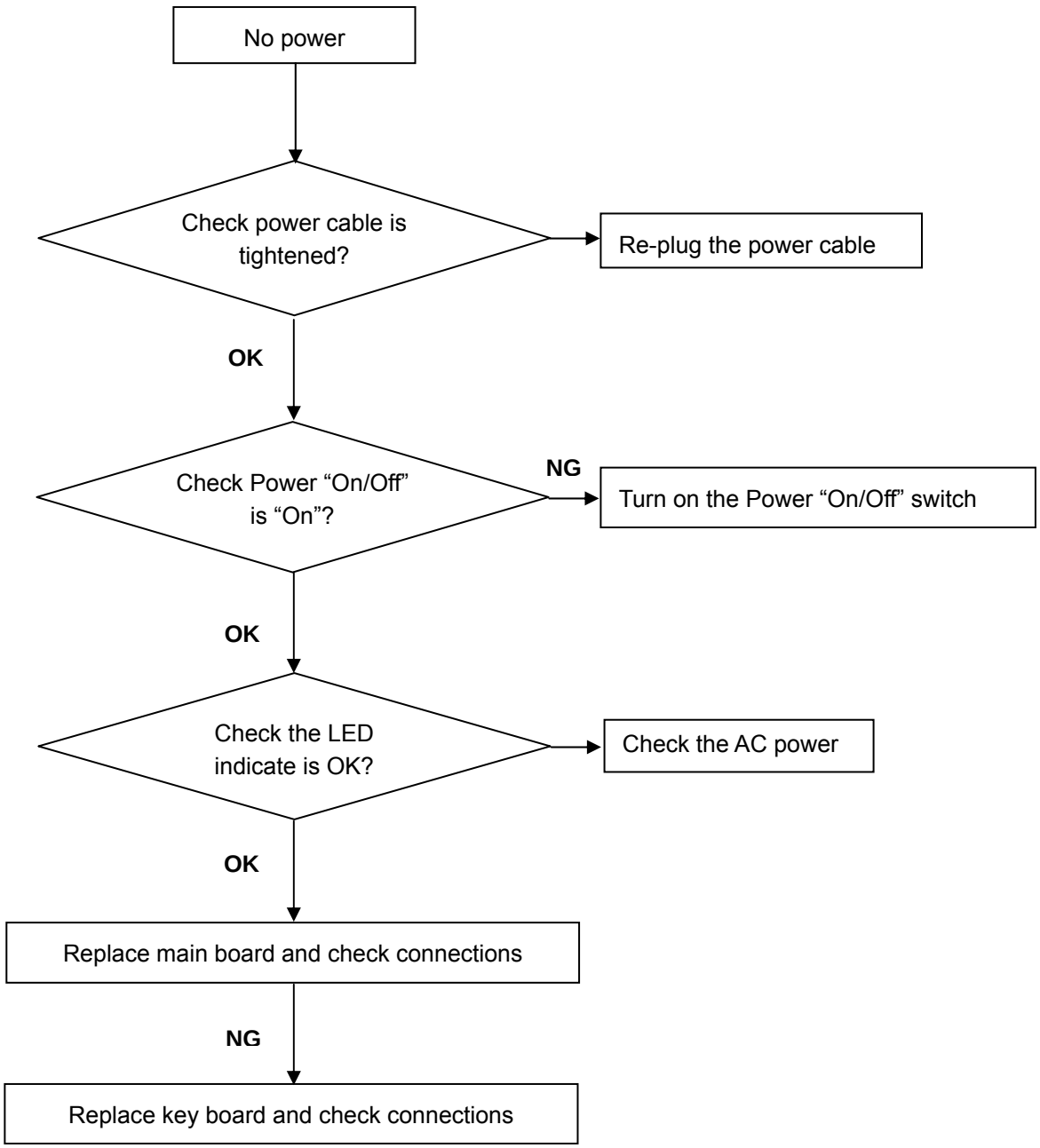
8. Maintainability

8.1 Equipments and Tools Requirement

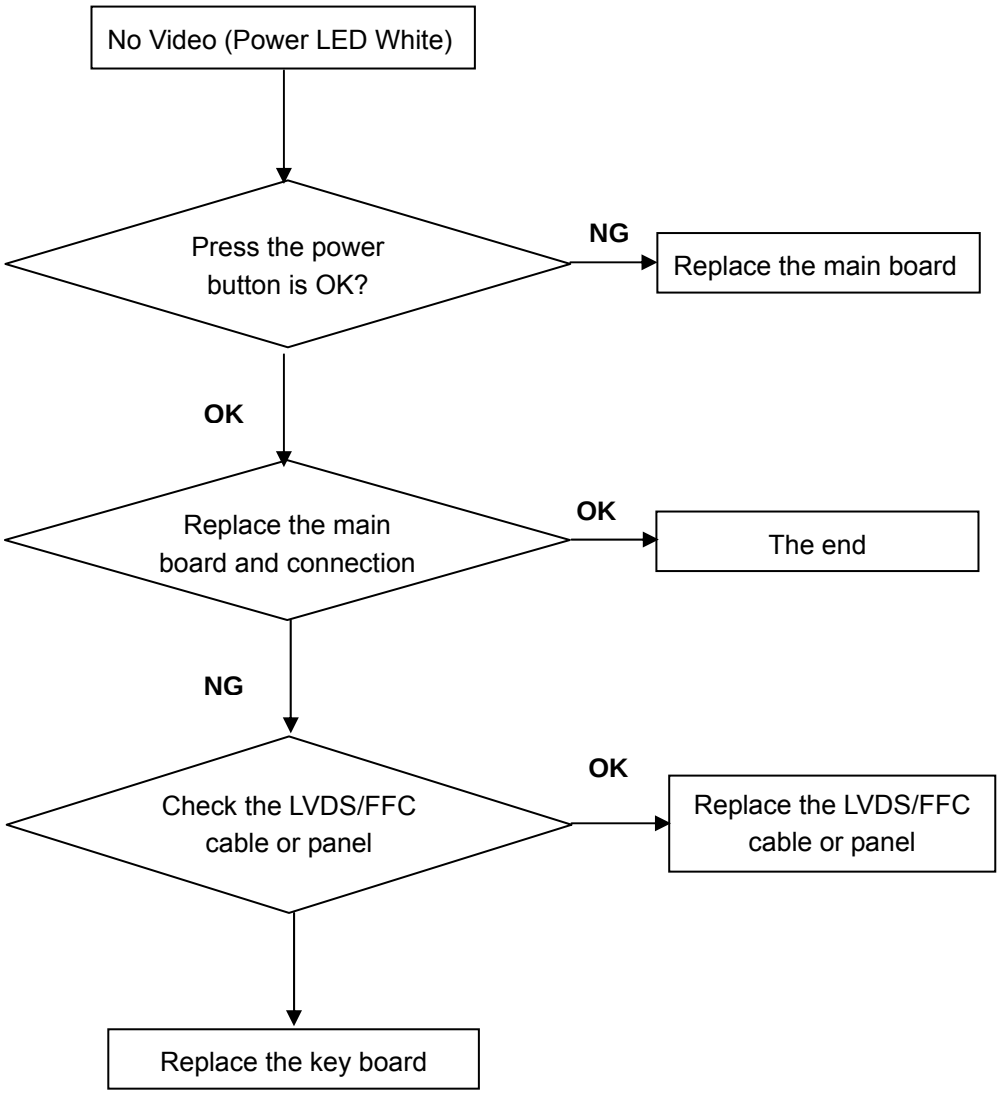
1. Voltmeter.
2. Oscilloscope.
3. Pattern Generator.
4. DDC Tool with an IBM Compatible Computer.
5. Alignment Tool.
6. LCD Color Analyzer.
7. Service Manual.
8. User Manual.

8.2 Trouble Shooting

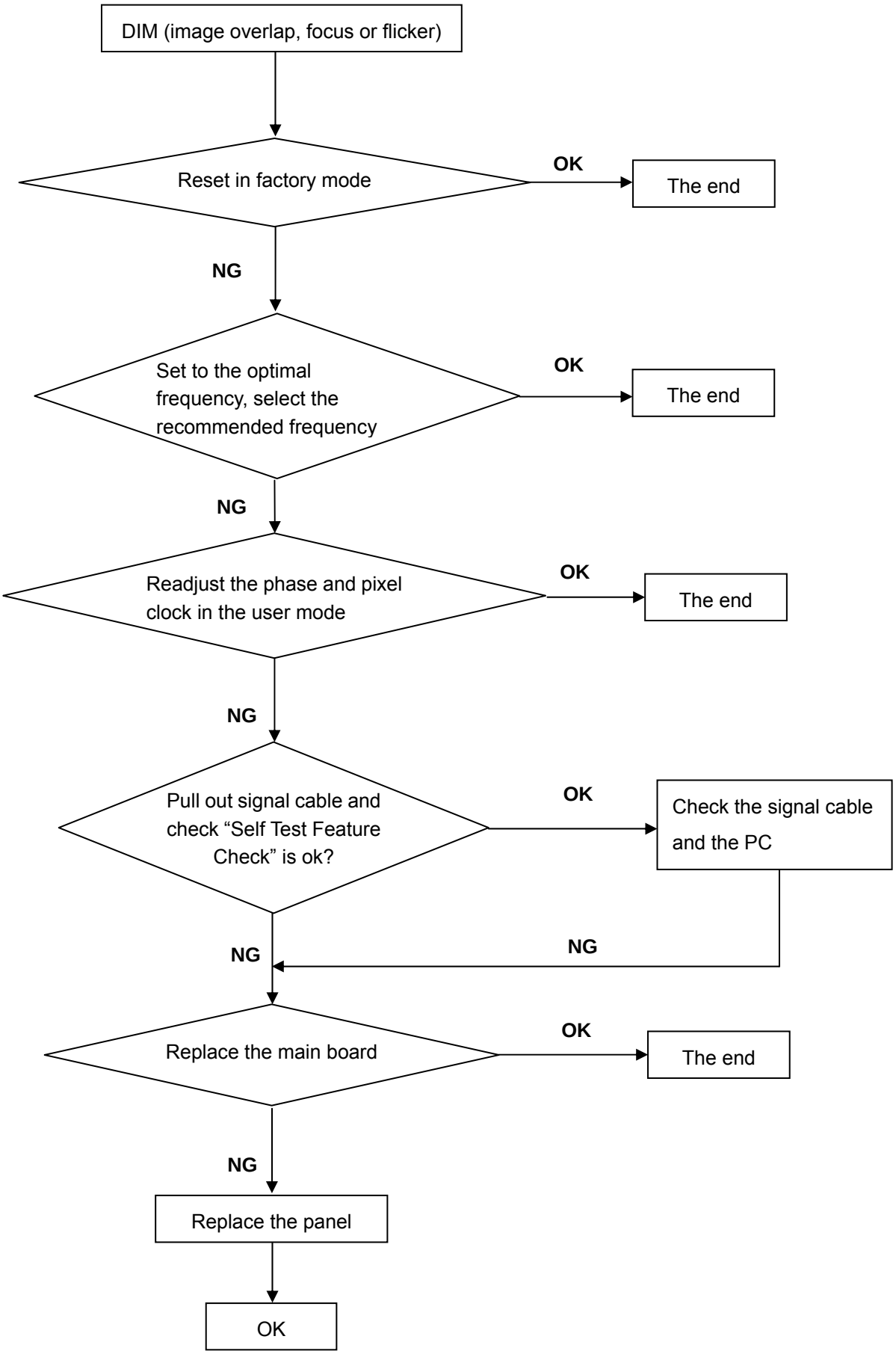
1. No Power



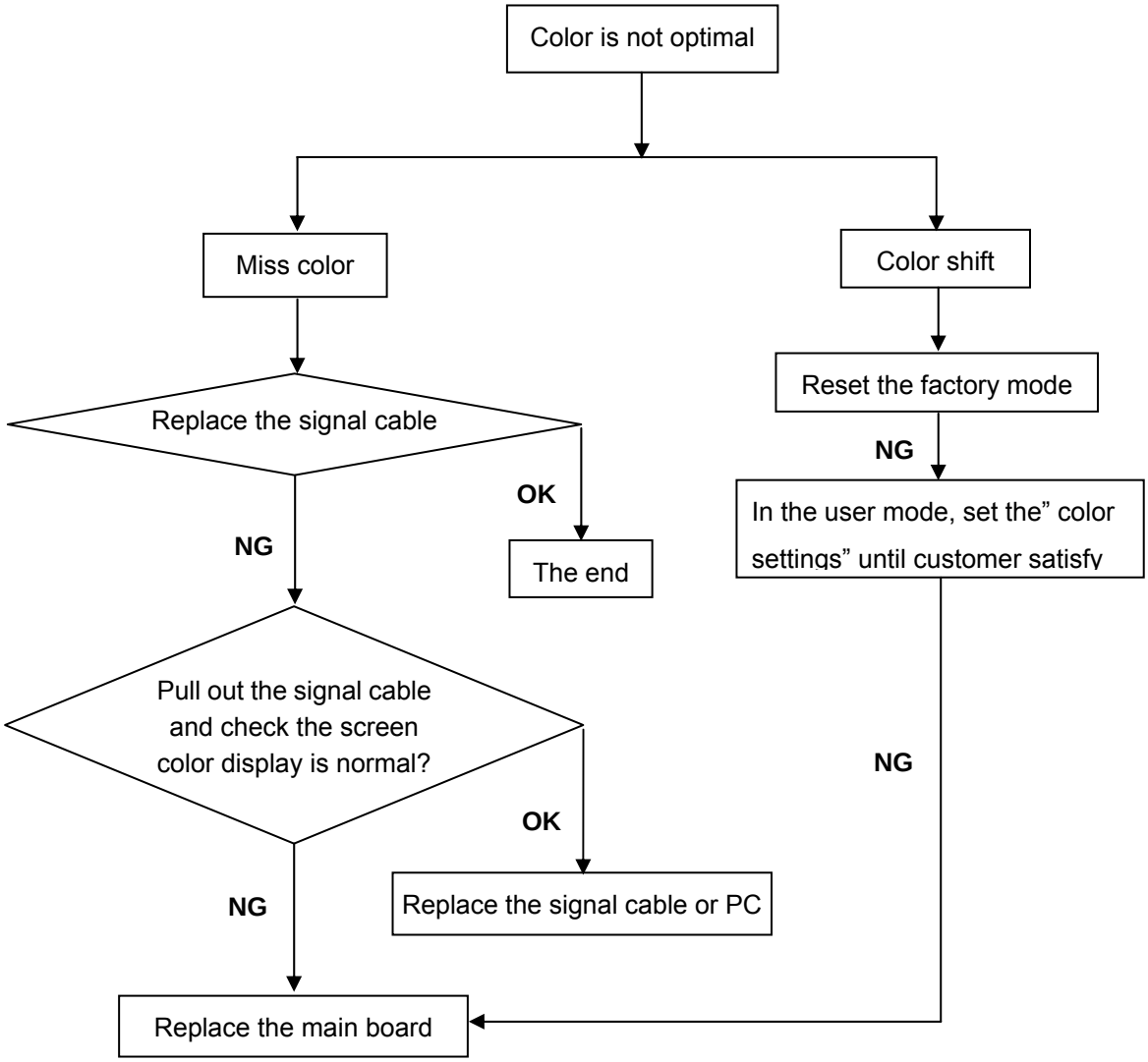
2. No Video (Power LED White)



3. DIM


DIM (image overlap, focus or flicker)
Reset in factory mode
OK
The end
NG
Set to the optimal frequency, select the recommended frequency
OK
The end
NG
Readjust the phase and pixel clock in the user mode
OK
The end
NG
Pull out signal cable and check “Self Test Feature Check” is ok?
OK
Check the signal cable and the PC
NG
NG
Replace the main board
OK
The end
NG
Replace the panel
OK

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 simpl 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 ±30, y = 329 ±30

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

Normal color temp. parameter is x = 301 ±30, y = 317 ±30

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

Cool color temp. parameter is x = 283 ±30, y = 297 ±30

D. MEM.CHANNEL 10 (sRGB color):

sRGB color temp. parameter is x = 313 ±30, y = 329 ±30

3. Enter into the factory mode

Turn on the power .Then press the “MENU” button and hold it there turn off the power and turn on the power. Continue press “MENU” button until the picture appears.

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 ±30, y = 329 ±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 reachedthe 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 ±30, y = 317 ±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 reachedthe 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

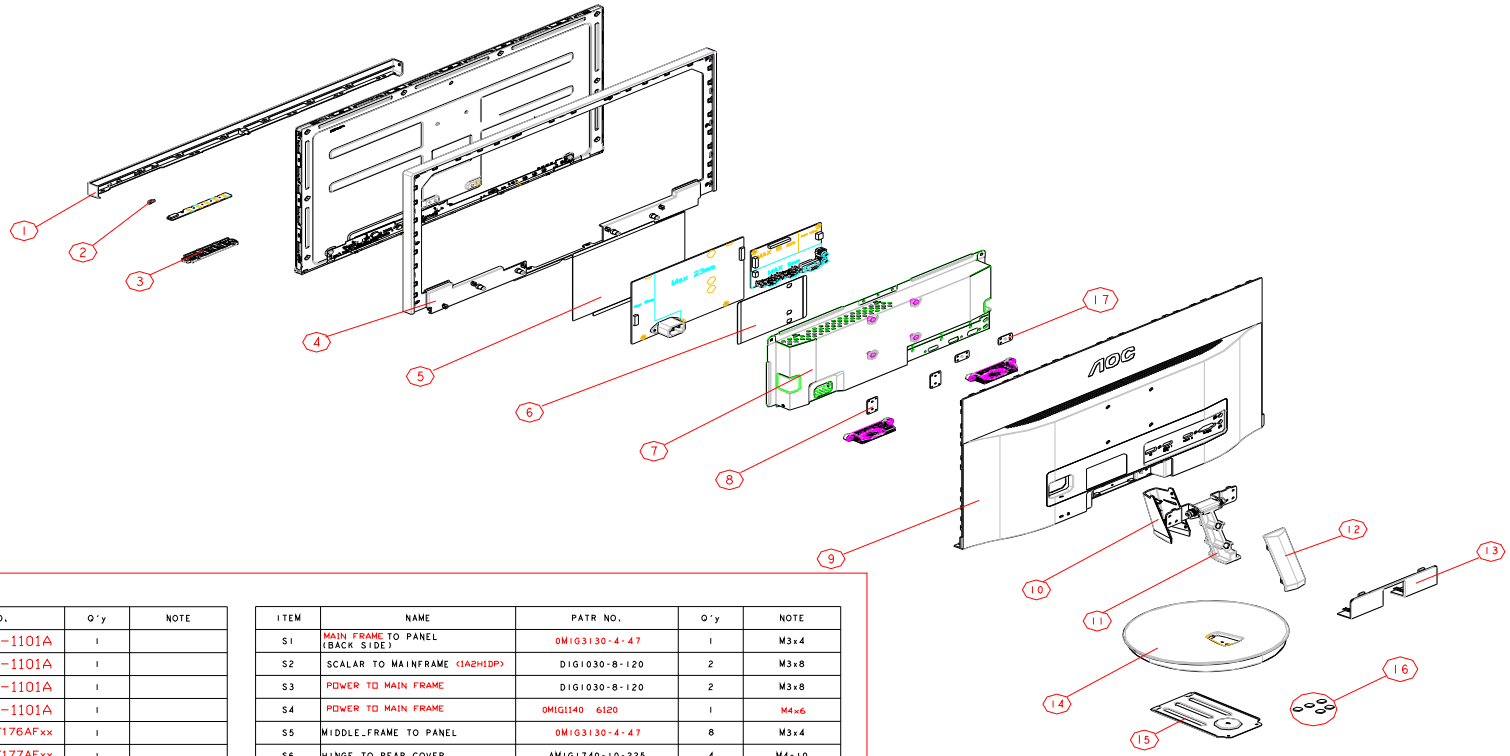
1. Switch the Chroma-7120 to **RGB-Mode** (with press “MODE” button)
2. Switch the MEM. Channel to Channel 9 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show x = 283 ±30, y = 297 ±30
4. Adjust the RED on factory window until chroma 7120 indicator reached the value 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

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 ±30, y = 329 ±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 reachedthe 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

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

10. Monitor Exploded View



ITEM	NAME	PATR NO.	Q'y	NOTE
1	BEZEL	A34G3198-1101A	1	
2	POWER LENS	A33G1429-1101A	1	
3	KEY BUTTON	A33G1437-1101A	1	
4	MIDDEL FRAME	A34G3199-1101A	1	
5	MYLAR BOTTOM	Q52G1801MNT176AFxx	1	
6	MYLAR TOP	Q52G1801MNT177AFxx	1	
7	MAIN FRAME	Q15G1351-***	1	
8	VESA BRACKET	P15G8299-3	2	
9	REAR COVER	A34G3200-1101A	1	
10	STAND FRONT	A34G3202-1101A	1	
11	HINGE	Q37G0307-***	1	
12	STAND REAR	A33G1451-1101A	1	
13	HINGE COVER	A34G3203-1101A	1	
14	BASE	A34G3201-1101A	1	
15	BASE BRACKET	Q15G1406-***	1	
16	FOOT	Q12G6082-1	5	
17				

ITEM	NAME	PATR NO.	Q'y	NOTE
S1	MAIN FRAME TO PANEL (BACK SIDE)	0M1G3130-4-47	1	M3x4
S2	SCALAR TO MAINFRAME (1A2H1DP)	D1G1030-8-120	2	M3x8
S3	POWER TO MAIN FRAME	D1G1030-8-120	2	M3x8
S4	POWER TO MAIN FRAME	0M1G1140 6120	1	M4x6
S5	MIDDLE_FRAME TO PANEL	0M1G3130-4-47	8	M3x4
S6	HINGE TO REAR_COVER	AM1G1740-10-225	4	M4x10
S7	REAR COVER TO MAIN FRAME	0M1G3130-4-47	2	M3x4
S8	BKT_BASE TO BASE	Q1G930-8-120	2	M3x8
S9	HAND SCREW	Q01G700100A00300	1	
S10	REAR COVER TO BEZEL	Q1G930-8-120	1	M3x8

D2769VH

No.	Description	P/N	QTY
1	Bezel	A34G3198AEDA1B0130	1
2	Power_lens	A33G1429--1-1C0100	1
3	Key_button	A33G1437AED-1B0100	1
4	Middle_frame	A34G3199AED-1B0100	1
5	mylar_btm	Q52G1801MNT176	1
6	mylar_top	Q52G1801MNT177	1
7	Main_frame	Q15G1351801	1
8	Vesa bkt	P15G8299--3	1
9	Rear_cover	A34G3200AED-3B0130	1
10	Stand_front	A34G3202AED-1B0100	1
11	hinge	Q37G0307012	1
12	Stand_rear	A33G1451AED-1B0100	1
13	Hinge_cover	A34G3203AED-1B0100	1
14	Base	A34G3201AED-1B0130	1
15	Base_bkt	Q15G1406101	1
16	FOOT PAD	Q12G6082--1	5
S1	MAIN FRAME TO PANEL(BACK SIDE)	0M1G3030--4120	1
S2	SCALER TO MAINFRAME(1A2H1DP)	0D1G1030--6120	2
S3	POWER TO MIANFRAME	0D1G1030--6120	2
S4	POWER TO MIANFRAME	0M1G1140--6120	1
S5	MIDDLE FRAME TO PANEL	0M1G3030--4120	8
S6	HINGE TO REAR COVER	AM1G1740-10225-CR3	4
S7	REAR COVER TO MAIN FRAME	0M1G3030--4120	2
S8	BKT BASE TO BASE	0Q1G-930--8120	2
S9	HAND SCREW	Q01G700100A003	1
S10	REAR COVER TO PANEL	0Q1G-930--8120	1

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.

HFCJV27MFV3ADNF.LF

Location	Part No.	Description	Remark
	040G-581689-4A	BARCODE LABEL FOR 1 (58x35mm)	
	041G--68508--A	control card	
	052G---1150--C	黑色防静电胶带 INSULATING TAPE	
	052G---1209--A	200MINIUM 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	
E08904	089G-17356G554	AUDIO CABLE 1800MM GREATLAND	
	089G-17356C554	AUDIO CABLE 1800MM COMLINK	2nd source
E08902	089G-725CAA-DB	SINGAL CABLE 1500MM COMLINK	
	089G-725HAA-DB	SINGAL CABLE 1500MM HONGLIN	2nd source
	089G-725GAA-DB	SINGAL CABLE 1500MM GREATLAND	2nd source
	089G-725LAA-DB	SINGAL CABLE 1500MM HONGSHUO	2nd source
E08901	089G410A15N-CX	POWER CORD 1500MM UK XUEXIANG	
	089G410A15N-IS	POWER CORD 1500MM UK I-SHENG	2nd source
	089G410A15N-HL	POWER CORD 1500MM UK HONGLIN	2nd source
	089G410A15N-YH	POWER CORD 1500MM UK YUNHUAN	2nd source
	0D1G1030--6120	screw	
	0M1G1140--6120	screw	
	0M1G3030--4120	SCREW FOR PANEL	
	0M1G3030--5-47-CR3	SCREW	
	0Q1G-930--8120	SCREW 3X8	
	3550S-1415E	270W AD，AL 7UM, PET 75UM 526*47.4*0.1	
	708GHF06-CP-2A	AOC 40(756)	
	F07G1195--F103	Compound Pallet 1195*1035	
	F44G530K210370	EMPTY CARTON	
	F44G580K310460	EMPTY CARTON	
	F44G700K100460	EMPTY CARTON	
	Q44G6002115101	Paper Board	
	Q44G9003206	CORNER PAPER	
	Q45G--77--4	PE FILM	
	Q45G--77--5	PE PACKING (Y1900241)	

	Q50G---4-10	TIE (Y1900221)	
	Q52G---1185-98	3M TAPE	
	7250L-0484A	Conductive tape, Black, 14*25*0.1mm	
	7250L-0484B	Conductive tape, Black, 20*35*0.1mm	
	750SMT270W5CD1N100	PANEL LM270WF5-S2CD	
	2436L-3204C	LM270WF5-S2CD-K31	
	3110T-1198A	EGI, 0.5T, Not-painted, Down, LM270WF6-S2Z4	
	3850L-0088A	ID, YUPO, 78X37	
	6091L-2356E	LM270WF5-S2CD	
	3022L-2235A	KOLON, LU967, 0.277, LM270WF6-S2Z4, 4	
	3022L-2260A	TORAY, TDF127, 0.145, LM270WF6-S2Z4	
	3034L-1390A	TORAY, T6D6-245, None, 0.235, LM270WF6-S2Z4	
	3551L-0778E	E type，LM270WF5-S2CD	
	3550B-1200E	E type，GALVALUME, T0.8, LM270WF5-S2CD	
	4296L-0284C	KE951+Nitto 5000NS, black, 4x4x2	
	6916L-1290A	LG INNOTEK, 56, YR Phosphor LED, LM270WF6-S2Z4	
	5153L-0120A	05010HR-H10H , YEON-HO	
	6915L-0512A	LGIT LED,Top View,2ea(LED Chip Q'TY per PKG), 8520E PKG,BM215WF4-T2G2	
	6920L-0330A	610*4.5*1.0,4,1L,56,AL	
	7250L-2282A	PD-25tt,, 609*3.9*0.25, Thermal Conductivity	
	3850L-0151A	BL, YUPO, 77X21	
	4975L-0767A	LM270WF6-S2Z4, Normal	
	4974L-1269A	PC SR1000F, LM270WF6-S2Z4, Up	
	4974L-1270A	PC SR1000F, LM270WF6-S2Z4, Down	
	7250L-2281A	3M, 4734-64B, Dark Gray, 612.3*5.5*0.64, Fixing	
	7250L-2281B	3M, 4734-64B, Dark Gray, 343.5*5.5*0.64, Fixing	
	7250L-2281C	3M, 4734-64B, Dark Gray, 612.3*4*0.64, Fixing	
	5151L-0319A	LM270WF5-S2A2	
	3953L-0202A	TORAY, 188E60L, 3M 1363-60, 586.7*1.5*0.188, LM270WF5-S2A2	
	3953L-0202C	TORAY, 188E60L, 3M 1363-60, 339.8*1.5*0.188, LM270WF5-S2A2	

	3953L-0202D	TORAY, 188E60L, 3M 1363-60, 341.6*1.5*0.188, LM270WF6-SJZ1	
	5150L-0834A	PMMA, Flat, T2.0, Printing, LM270WF5-S2A2	
	7250L-0853E	NITTO, 5000NS, White, 60*8*0.16, Fixing	
	7250L-0864A	NITTO, NITTO 5000NS, Clear, 30*3*0.16	
	6925L-0044A	LM270WF5(SJC1，S2C2/S2C6)	
	6060L-3160A	LM270WF5-SJC1-K31	
	6061L-2570A	LM270WF5-SJC1-K31	
	0ILUL-0284A	LS0608MEH4-C2LX, LUSEM, 720, 6BIT, EPI PGC, C_B, R/TP, 35MM, 6PF, UPILEX, ENG	
	6308L-5203A	LSBXSPKHXAX6-02700T30, 619.8 *353.7, LGC, S, B, X, S, P, K, H, X, A, X6, 02700, Top, 30	
	6308L-5204A	LSXXSPKHXAX6-02700B30, 600.9*339.5, LGC, S, X, X, S, P, K, H, X, A, X6, 02700, Bottom, 30	
	6884L-0090A	CP12941-20YA, SONY, 1.5MMX300MM, 20UM	
	6884L-0053A	CP2420ISL,L=1.5MMX300M, T=18UM, SONY	2nd source
	6884L-0153A	(AC-11600-14, HITACHI, 300MX2.0MM, 14UM)	2nd source
	6884L-0152A	AC-11600-14, HITACHI, 300MX1.5MM, 14UM	2nd source
	6884L-0034A	CP5420ISL, SONY, L=1.5MMX300M, T=20	2nd source
	7752L-0004A	KTEM-UV3000, KEC	
	7752L-0005A	(HC-305, HI-CHEMICAL)	2nd source
	6871L-3164B	Source, Single, None-C/SKD, LM270WF6-SSZA-KL1, Single Side	
C106,C128,C140,C94	0CH2102K562	1NF 50V K X 1608 R/TP	
C350,C351,C352,C66	0CH2104K562	0.1UF 50V K X7R 1608 R/TP	
C120,C70	0CH2153K562	15nF, K, 50V, X7R, 0.9mm, 1608, R/TP	
C135	0CH2222K562	2.2nF, K, 50V, X7R, 0.9mm, 1608, R/TP	
C155	0CH2223H562	22NF 25V K X 1608 R/TP	
C107	0CH2472K562	4.7nF, K, 50V, X7R, 0.9mm, 1608, R/TP	
C12	0CH2A-0004A	MLCC ** 10uf，K,10V,X5R,1.8mm,3216,R/TP	
C18,C343	0CH2A-0007A	1U F, 10 Volt, K PER, X5R(JB), 1608 R/TP, T=0.9(MAX)	

C110,C111,C112,C125,C126,C145,C310,C320,C330,C340	0CH2A-0013A	MLCC ** 10uf，K,25V,X5R,1.8mm,3216,R/TP	
C115,C116,C146,C147,C150	0CH2A-0015A	1uF, K, 25V, X5R, 0.9mm, 1608, R/TP	
C312,C322,C332,C342,C345,C346,C348,C353,C36,C96,C97,C98,C99	0CH2A-0030A	1uF, K, 10V, X5R, 0.55mm, 1005, R/TP	
C136	0CH2A-0049A	1.5nF, 50, -10~+10(K), 1608, X7R(JB)	
C95	0CH2A-0068A	10 Volt, X7R(JB), K %, 1005 R/TP, 0.1U F, T=0.55 MAX	
C16,C17,C45,C91	0CH2A-0072A	MLCC ** 10uf，K,10V,X5R,1.35mm,2012,R/TP	
C143	0CH2A-0073A	0.1uF, K, 16V, X7R, 0.55mm, 1005, R/TP	
C103	0CH2A-0088A	3.3nF, K, 50V, X7R, 0.9mm, 1608, R/TP	
C170,C171,C172,C173,C174,C180,C181,C182,C183,C311,C321,C331,C341	0CH2A-0091A	1uF, K, 25V, X5R, 0.6mm, 1005, R/TP	
C141,C142	0CH2A-0164A	0.47UF, K, 25V, X5R, 0.95mm, 1608, R/TP	
C123	0CH5181K412	180PF, J, 50V, 1608, R/TP, 0.9mm	
D3	0DHZL-0008B	BAV99-7-05-F, DIODES, SOT-23, R/TP	
ZD1	0DHZL-0076A	SDZ3V3D, AUK, SOD-323, R/TP	
D1	0DHZL-0095A	RB050M-30, ROHM, PMDU, R/TP	
D8	0DHZL-0110A	1N4448HWS, DIODES, SOD-323, R/TP	
D2	0DHZL-0131A	SDB0740, AUK, SOT-23, R/TP	
D10	0DHZL-0142A	SD05, SEMTECH, SOD323, R/TP	
F1	0FSLO-0013A	F0603HI3000V032T, AEM, Ceramic	
US1	0IRTL-0040A	RT6807A, RICHTEK, MNT, VDD BOOST + VGH BOOST + VGL C/P + VCC BUCK + L/S + OPAMP + DISCHARGING + GPM + PVCOM, QFN, R/TP, 48	
U1	0ISGL-0008C	M24C04-RDW, STmicroeletronics, 4K, 5ms, TSSOP, R/TP, 8	
UC1	0ITLL-0083A	TL2358EP, TLI, LVDS, 6/8, 2, EPI, 6, 3/4, DRD, SGIP, AFRC, DGA, SD, SM, SFA, Z-INV, ESD, LOWELL13, MLF, TR, 48	
L1	0LCAA-0039A	DP8L18F-100M, COIL MASTER, 10uH, M=20%, 1.9A, 114m Ohm, 8.1x6.8x1.8, R/TP	
L2,L3	0LCAA-0089A	CMI-DOP3910NH-6R8M, COIL MASTER,	

		6.8 UH, M=20%, 0.9 A, 0.26 OHM, 3.9X3.9X1 (MM), R/TP	
R5,R61	0RH0000B622	0 ohm, 1/16W, 1005, 5%, R/TP	
R104,R127,R130,R200,R203,R205,R221,R222,R224,R225,R226,R37,R40,R45	0RH0000C622	0 OHM 1/10W 0603 0.05R MAX	
R135	0RH0221C622	2.2 OHM 1/10W 0603 5%	
R30,R31,R32,R33,R34,R35,R80,R81,R82,R83,R84,R85	0RH0472C422	47 OHM 1/10W 0603 1%	
R2,R3,R6	0RH1000B422	100 ohm, 1/16W, 1005, 1%, R/TP	
R146	0RH1000C422	100 OHM 1/10W 0603 1%	
R22,R92	0RH1001C422	1K OHM 1/10W 0603 1%	
R110,R147,R23,R60,R68,R70,R71	0RH1002C422	10K OHM 1/10W 0603 1%	
R103,R105,R125,R126	0RH1003C422	100K OHM 1/10W 0603 1%	
R155	0RH1101C422	1.1K ohm, 1/16W, 1608, 1%, R/TP	
R102	0RH1300C422	130 OHM 1/10W 0603 1%	
R101,R180,R183	0RH1301C422	1.3K OHM 1/10W 0603 1%	
R100	0RH1302C422	13K OHM 1/10W 0603 1%	
R141	0RH1601C422	1.6K OHM 1/10W 0603 1%	
R151,R185,R188	0RH1602C422	16K OHM 1/10W 0603 1%	
R13,R72	0RH2001C422	2K OHM 1/10W 0603 1%	
R150	0RH2002C422	20K OHM 1/10W 0603 1%	
R122	0RH2200C422	220 OHM 1/10W 0603 1%	
R159	0RH2202C422	22K OHM 1/10W 0603 1%	
R20,R21	0RH2401C422	2.4K OHM 1/10W 0603 1%	
R121	0RH2701C422	2.7K OHM 1/10W 0603 1%	
R123,R172	0RH3001C422	3K OHM 1/10W 0603 1%	
R10	0RH3300C422	330 ohm, 1/16W, 1608, 1%, R/TP	
R142	0RH3900C422	390 OHM 1/10W 0603 1%	
R170	0RH3901C422	3.9K OHM 1/10W 0603 1%	
R129	0RH3902C422	39K OHM 1/10W 0603 1%	
R64	0RH4702C422	47K OHM 1/10W 0603 1%	
R90	0RH5101C422	5.1K OHM 1/10W 0603 1%	
R186	0RH5102C422	51K OHM 1/10W 0603 1%	
R94	0RH5602C422	56K OHM 1/10W 0603 1%	
R67	0RH6201C422	6.2K OHM 1/10W 0603 1%	
R128	0RH6801C422	6.8K OHM 1/10W 0603 1%	
R120,R187	0RH6802C422	68K OHM 1/10W 0603 1%	

R181	0RH7502C422	75K ohm, 1/16W, 1608, 1%, R/TP	
R171	0RH8200C422	820 ohm, 1/10W, 0603, 1%,	
R36	0RH8201C422	8.2K OHM 1/10W 0603 1%	
R140,R91	0RH9101C422	9.1K OHM 1/10W 0603 1%	
R106	0RHAA-0033A	10 ohm, 1/16W, 1005, 1%, R/TP	
FL1,FL2,FL50,FL51,FL52	6200L-J015A	BLM18PG300SN1D	
RT1	6322L-0012A	22K, +-3%, -, 0.21 MA, 3950, 1005, R/TP	
CN1	6630L-0180A	IS100-L30O-C23, UJU, 30PIN, 1.0MM	
	6870S-1585A	LM270WF6-SSZA-KL1, 2L, 1.0T, 520*120.5, 6, J, Source, 72PCS (12KIT), Single Side	
	6884L-0061A	CP20631-35YA, 2.0MMX300M, SONY	
	6884L-0174A	EMA8888E, LGIT, 300M, 75 MM	2nd source
	7526L-0001A	DS 103, NC Chem., UV	
	7250L-0484P	HWASUNG SEALING, STN1026WR(P), Gray, 12*30*0.11, Electric Conductivity	
	7250L-2469A	HWASUNG SEALING, STN1026WR(P), Gray, 10*30*0.11, Electric Conductivity	
	756GQCCB0AA2690000	MCU ASSY	
U402	056G2233-37	IC FLASH MX25L4006EM1I-12G 4Mb SOP-8 MXIC	
SMTCC-U402	100GANJG000YT1	AOC I2769VM	
	A33G1429--1-1C0100	Power_lens	
	A33G1437AED-1B0100	Key_button	
	A33G1451AED-1B0100	Stand_rear	
	A34G3198AEDA1B0130	Bezel	
	A34G3199AED-1B0100	Middle_frame	
	A34G3200AED-3B0130	Rear_cover	
	A34G3201AED-1B0130	Base	
	A34G3202AED-1B0100	Stand_front	
	A34G3203AED-1B0100	Hinge_cover	
	AM1G1740-10225-CR3	screw	
	CBPCCV2A1Q1	CONVERTER BOARD	
CN702	033G3802-4B--Y---L	WAFER 4P 2.0MM XIANGLONG	
CN402	033G3802-6B--Y---L	WAFER 6P 2.0MM XIANGLONG	
	033G3802-6B--Y	WAFER 6P 2.0MM XINYA	2nd source
CN701	033G3802-9B--Y	WAFER 9P 2.0MM XINYA	
	033G3802-9B--Y---L	WAFER 9P 2.0MM XIANGLONG	2nd source
CN406	033G801930F-CH---L	WAFER 30P 1.0MM XIANGLONG	
	033G801930F-CH--JS	WAFER 30P 1.0MM JINGSHI	2nd source
R711,R716	061G152M22964B--SY	RST MOF 2R2 5% 2W	

		RSS02J2R20C150NH	
C629,C706,C707,C710,C711,C715	067G-4051013LB	EC 100uF +-20% 16V 5*11mm 4000Hr LELON	
	067G-3051013PB	EC 105℃ 100uF M 16V 5*11mm	2nd source
C450,C615,C616,C704	067G305S2213HV	EC 220UF 20% 16V 6.3*7 SHC221M1CE07AM4HT235 HER-MEI	
CN104	088G-34320EVFA	DP CONNECTOR 20P FOXCONN	
CN101	088G-35315FVXH	D-SUB CONN WITH SCREW 15P BLUE XIANHE	
	088G-35315FVCL	D-SUB CONN WITH SCREW 15P BLUE CL	2nd source
CN601	088G302G5B2VYG	PHONE JACK 5P BLACK YCG	
	088G302G5B2VCL	PHONE JACK 5P BLACK CL	2nd source
CN602	088G302G5G1VYG	PHONE JACK 5P GREEN YCG	
	088G302G5G1VCL	PHONE JACK 5P GREEN CL	2nd source
X401	093G--22-51-YC	DIODE CRY 12MHZ YC-49S-12M30PF30PPM25ohm YC	
CN603	311GW200A04ABX	WAFER 4P 2.0mm XINYA	
	311GW200A04ABL	WAFER 4P 2.0MM XIANGLONG	2nd source
	H40G-45762429A	CBCP Label for EE	
	SMTCCV2A1Q1	MAIN BOARD FOR SMT	
U702	056G-563121	IC LDO G1084-33TU3Uf 5A/3.3V TO-263T GMT	
U707	056G-563127	IC LDO G1117-25T63Uf SOT-223 GMT	
U706	056G-563145	IC LDO AZ1117D-1.2TRE1 1A/1.15V BCD	
U509	056G-581--9	IC Power Switch G5250K1T1U SOT23-5 GMT	
U601	056G-616112	IC AUDIO APA2606NAI-TRG 2.8W SSOP-24P Anpec	
U114,U115,U116,U503,U504,U507,U508,U510	056G-662-18	IC ESD AZ1045-04F.R7G DFN2510P10E Amazing	
	056G-662-21	IC ESD AOZ8804DI DFN-10 AOS	2nd source
U101,U502,U505	056G1133-34--1	IC EEPROM M24C02-RMN6TP 2Kb SO-8 ST	
	056G1133161	IC EEPROM AT24C02C-SSHM-T 2Kb SOIC-8 Atmel	2nd source
U403	056G1133-56	IC EEPROM M24C16-WMN6TP 16Kb SOIC-8 ST	
	356G1133016182	IC EEPROM AT24C16C-SSHM-T 16KB SOIC-8	2nd source
U402	056G2233-37	IC FLASH MX25L4006EM1I-12G 4Mb	

		SOP-8 MXIC	
Q405,Q501,Q503,Q505,Q601,Q702	057G-417511	TRA MMBT3904 0.2A/40V SOT-23 BLUE ROCKET	
	057G-417518	TRA LMBT3904LT1G 0.2A/40V SOT-23 LRC	2nd source
Q401,Q402,Q504,Q602	057G-417512	TRA MMBT3906 0.2A/40V SOT-23 BLUE ROCKET	
	057G-417517	TRA LMBT3906LT1G -0.2A/-40V SOT-23 LRC	2nd source
Q502,Q506	057G-759-2A-HF	MOSFET 2N7002H SOT-23 Panjit	
	057G-759-2A	MOSFET 2N7002 0.2A/60V SOT-23 Panjit	2nd source
Q403	057G-763940	MOSFET AO3401A 4.2A/30V SOT-23 AOS	
R177,R179,R180,R181,R182,R406,R407,R417,R423,R441,R442,R502,R503,R504,R505,R506,R507,R508,R509,R521,R522,R523,R524,R525,R526,R527,R529,R552,R614	061G0402000-JI	TEST ONLY RST 0402 0.05R MAX 1/16W TA-I	
	061G0402000-JY	RST CHIPR 0 OHM -5% 1/16W YAGEO	2nd source
R103,R109,R115,R515,R536,R651,R652,R653,R654	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
R619	061G04021001FY	RST CHIPR 1KOHM 1% 1/16W YAGEO	
R112,R119,R120,R188,R192,R424,R429,R432,R433,R434,R501,R528,R542,R550,R603,R606,R649,R704	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
R178,R411,R412,R413,R485,R486,R511,R551,R620,R621,R622	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
R470,R471	061G04021021FT	RST 0402 1.02K 1% 1/16W TZAI YUAN	
R401,R403,R404,R425,R479,R520,R541,R547,R6	061G0402103-JI	RST CHIPR 10 KOHM +-5% 1/16W 0402 TA-I	

05,R607,R623,R627,R650,R708,R714			
	061G0402103-JY	RST CHIPR 10 KOHM -5% 1/16W 0402 YAGEO	2nd source
R123,R190,R480,R556,R557,R601	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
R175,R186,R405	061G0402105-JT	RST CHIPR 1 MOHM +-5% 1/16W 0402 TZAI YUAN	
	061G0402105-JY	RST CHIPR 1 MOHM -5% 1/16W 0402 YAGEO	2nd source
R646	061G04021202FT	RST CHIPR 12 KOHM +-1% 1/16W 0402 TZAI YUAN	
R439,R440	061G0402204-JT	RST CHIPR 200 KOHM +-5% 1/16W 0402 TZAI YUAN	
	061G0402204-JI	RST 0402 200K 5% 1/16W TA-I	2nd source
R121,R122,R414,R419	061G0402222-JT	RST CHIPR 2.2 KOHM +-5% 1/16W 0402 TZAI YUAN	
	061G0402222-JY	RST CHIPR 2.2 KOHM -5% 1/16W 0402 YAGEO	2nd source
R114,R478,R514,R535,R628,R715	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
R612	061G04023001FY	RST 0402 3K 1/16W YAGEO	
R645	061G04023002FT	RST CHIPR 30 KOHM +-1% 1/16W 0402 TZAI YUAN	
R543	061G0402304-JT	RST CHIPR 300 KOHM +-5% 1/16W 0402 TZAI YUAN	
R613	061G04023302FY	RST CHIPR 33 KOHM +-1% 1/16W 0402 YAGEO	
R519,R540	061G0402333-JT	RST CHIPR 33 KOHM +-5% 1/16W 0402 TZAI YUAN	
	061G0402333-JY	RST CHIPR 33 KOHM -5% 1/16W 0402 YAGEO	2nd source
R467,R468,R469	061G0402392-JT	RST CHIPR 3.9 KOHM +-5% 1/16W 0402 TZAI YUAN	
	061G0402392-JY	RST CHIPR 3.9KOHM -5% 1/16W 0402 YAGEO	2nd source
R102,R104,R106,R111,R	061G0402470-JY	RST CHIPR 47 OHM +-5% 1/16W 0402	

117,R427,R428,R516,R518,R538,R539		YAGEO	
	061G0402470-JT	RST CHIPR 47 OHM -5% 1/16W 0402 TZAI YUAN	2nd source
R408,R626	061G0402471-JT	RST CHIPR 470 OHM +-5% 1/16W 0402 TZAI YUAN	
	061G0402471-JY	RST CHIPR 470 OHM -5% 1/16W 0402 YAGEO	2nd source
R101,R113,R448,R449,R450,R477,R512,R513,R533,R534,R548,R549,R710	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
R546,R553,R554,R558	061G0402473-JY	RST CHIPR 47 KOHM +-5% 1/16W 0402 YAGEO	
	061G0402473-JT	RST CHIPR 47 KOHM -5% 1/16W 0402 TZAI YUAN	2nd source
R105,R110,R116	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
R608,R609	061G0402752-JY	RST CHIPR 7.5 KOHM +-5% 1/16W YAGEO	
	061G0402752-JT	RST CHIPR 7.5 KOHM -5% 1/16W 0402 TZAI YUAN	2nd source
R118,R426	061G0603000-JT	RST CHIP MAX 0R05 1/10W TZAI YUAN	
	061G0603000-JY	RST CHIPR MAX0R05 1/10W YAGEO	2nd source
R602,R604	061G0603111-JT	RST CHIPR 110 OHM +-5% 1/10W 0603 TZAI YUAN	
R421	061G0603331-JI	RST CHIPR 330 OHM +-5% 1/10W 0603 TA-I	
	061G0603331-JY	RST CHIPR 330 OHM -5% 1/10W 0603 YAGEO	2nd source
R416	061G0603471-JI	RST CHIPR 470 OHM +-5% 1/10W 0603 TA-I	
	061G0603471-JY	RST CHIPR 470 OHM -5% 1/10W 0603 YAGEO	2nd source
R476	061G1206301-JT	RST CHIPR 300 OHM 1/4W TZAI YUAN	
C642,C643,C644,C645	065G040210232K---A	MLCC 0402 1000pF +-10% 50V X7R SAMSUNG	

	065G040210232K---Y	MLCC 0402 1000pF -10% 50V X7R YAGEO	2nd source
C145,C147,C148,C149,C150,C402,C403,C405,C406,C408,C409,C411,C413,C414,C416,C418,C419,C421,C424,C441,C442,C451,C452,C501,C504,C507,C623,C625,C628,C708,C709,C712,C713	065G040210412K---M	MLCC 0402 0.1uF +-10% 16V X7R MURATA	
C601,C606,C607,C610,C617,C618,C641	065G0402105A5K---M	MLCC 0402 1uF +-10% 10V X5R MURATA	
C116,C117	065G040222031J---A	MLCC 0402 22pF +-5% 50V NPO SAMSUNG	
C439,C440,C611,C614,C619,C626	065G040222131J---T	MLCC 0402 220pF +-5% 50V NPO TAIYO YUDEN	
C111,C435,C437,C453,C503,C508	065G040222415K---A	MLCC 0402 0.22uF +-10% 16V X5R SAMSUNG	
C426,C427	065G040247031J---A	MLCC 0402 47pF +-5% 50V NPO SAMSUNG	
C604,C605	065G040247131J---Y	0402 470pF J 50V NP0	
	065G040247131J---A	MLCC 0402 470PF -5% 50V NPO SAMSUNG	2nd source
C102,C104,C107,C109,C110,C113,C506	065G040247312K---A	MLCC 0402 47nF +-10% 16V X7R SAMSUNG	
C103,C108,C112	065G040250931C---Y	MLCC 0402 5pF +-0.25pF 50V NPO YAGEO	
C602,C603,C609,C624	065G060347412K---T	MLCC 0603 0.47uF +-10% 16V X7R TAIYO YUDEN	
C146,C401,C404,C407,C410,C412,C434,C608,C620,C622	065G0805106A5K---M	MLCC 0805 10uF +-10% 10V X5R MURATA	
C714	065G080522512K---M	MLCC 0805 2.2uF +-10% 16V X7R MURATA	
C415,C417,C420,C422	065G080547515K---M	MLCC 0805 4.7uF +-10% 16V X5R MURATA	
HDCP-U402	070GHDCP500HDC	HDCP CODE	
FB106,FB401,FB403,FB404,FB405,FB406,FB407,FB408,FB409,FB413,FB414,FB601,FB602,FB603,F	071G-56K121--M	CHIP BEAD	

B604,FB605,FB606,FB702			
	071G-56K121-TA	CHIP BEAD 120R/6000mA HCB2012KF-121T60	2nd source
FB101,FB415,FB501,FB502	071G-59G301-TA	CHIP BEAD 300OHM 200mA FCM1608KF-301T02	
	071G-59G301--M	CHIP BEAD 0603 300R 25% 200mA	2nd source
FB102,FB103,FB104	071G-59K190--M	CHIP BEAD 0603 19R/500mA	
	071G-59K190-TA	CHIP BEAD 0603 19R 25% 500mA FCB1608KF-190T05 TAI-TECH	2nd source
CN501,CN502	088G-34019H-VT	HDMI HEADER 19P TECONN	
	088G-34019H-VA	HDMI HEADER 19P VAST	2nd source
D501,D502	093G--60515--L	DIDOE SCHOTTKY LBAT54CLT1G 0.2A 30V SOT-23 LRC	
	093G--60518SEM	DIODE SCHOTTKY BAT54C-HAF 0.2A 30V SOT-23 SEMTECH	2nd source
D101	093G--64-42-PP	DIODE BAV70 0.125A/85V SOT-23 NXP	
	093G--64-42--L	DIODE LBAV70LT1G 0.15A/75V SOT-23 LRC	2nd source
ZD101,ZD501,ZD504	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
D601	093G-64S522SEM	DIODE SWITCHING 0.15A/75V LL4148 SEMTECH	
	093G--6432P	DIODE SWITCHING LL4148 0.15A/100V PANJIT	2nd source
D102	093G3004--2	DIODE SCHOTTKY SR34 3A/40V SMB PANJIT	
U401	356G0562128B32	IC SCALER NT68859UMFG LQFP 128 NOVATEK	
U102,U103,U501,U506	356G0662056	IC ESD AT2042K6-5.0TRG1 SOT-23-6 BCD	
	056G-662-52	IC ESD PROTECT AZC398-04S.R7G SOT23-6 Amazing	2nd source
E715	715G5812M0D000004I	Main PCB FR4 DS 140*110*1.6MM 3 联板 兴达	
	715G5812M0D000004K	Main PCB FR4 DS 140*110*1.6MM 3 联板 景旺	2nd source
	715G5812M0D000004Q	Main PCB FR4 DS 140*110*1.6MM 3 联板 科荣	2nd source
	F40G270I615-1A	RATING LABEL FOR I2769VM (AP-CH）	

	F40GKA01624-2A	Shipping label	
	F40GYA0361539B	POP LABEL (EPA+win8) 69 系列	
	F41G78D1615-7B	warranty card for AP	
	F44GHF06101	EPS	
	F44GHF06201	EPS	
	F44GHF06615-2A-JVS	Carton for I2769VM	
	F70G22C161512B	I2269VWM,I2269VW,I2369V,I2369VM,I2769V,I2769VM CD MANUAL	
CN603	F78G311A501YAA	SPK 4OHM 2.5W 57.5*23 405*265mm SU	
	F78G311A501VAA	SPK 4OHM 2.5W 57.5*23 405*260mm PB40KS04-5-9NU2 VECO	2nd source
E08903	F89G-184LAA500	HDMI CABLE 1800MM hongshuo	
	089G-184GAA500	HDMI CABLE 1800MM GREATLAND	2nd source
	089G-184CAA500	HDMI CABLE 1800MM COMLINK	2nd source
E09502	F95G176X-10368	FFC CABLE 10PIN 261MM P0.5MM WENXIN	
	F95G176J-10368	FFC CABLE 10PIN 261MM P0.5MM KOTL	2nd source
	F95G176T-10368	FFC CABLE 10PIN 261MM P0.5MM DIY	2nd source
	F95G176H-10368	FFC CABLE 10PIN 261MM P0.5MM HONGLIN	2nd source
E09501	F95G179H30N275	FFC CABLE 30PIN 458MM P1.0MM HONGLIN	
	F95G179J30N275	FFC CABLE 30PIN 458MM P1.0MM KOTL	2nd source
	F95G179X30N275	FFC CABLE 30PIN 458MM P1.0MM WENXIN	2nd source
E09503	F95G8014-6D156	WIRE HARNESS 6P-6P 520MM GREATLAND	
	F95G8014-6X156	WIRE HARNESS 6P-6P 520MM XINYA	2nd source
	F95G8014-6T156	WIRE HARNESS 6P-6P 520MM DIY	2nd source
	KEPCCQR5	KEY BOARD	
SW001	377G05005C20XL	DOME SW	
SMTK01	SMTKEPCCQR5	KEY BOARD FOR SMT	
	SMTKEPCCQR5W	KEY BOARD FOR SMT	2nd source
CN001	033G8032-6F--L	WAFER 6P 1.25MM XIANGLONG	
	033G8032-6F--X	WAFER 6P 1.25MM XINYA	2nd source
	033G8032-6F-HR	WAFER 6P 1.25MM HR	2nd source
R002,R005	061G0603101-JT	RST CHIPR 100 OHM +-5% 1/10W 0603 TZAI YUAN	
R004	061G0603102-JT	RST CHIPR 1 KOHM +-5% 1/10W 0603 TZAI YUAN	

R001,R003	061G0603202-JT	RST CHIPR 2 KOHM +-5% 1/10W 0603 TZAI YUAN	
LED001	081G--15502-GP	LED GPTD12048YGC1 GP	
E715	715G5768K0B000004K	Key PCB FR4 DS 105*12*1.6MM 18 联板 景旺	
	715G5768K0B000004I	Key PCB FR4 DS 105*12*1.6MM 18 联板 兴达	2nd source
	715G5768K0B000004S	Key PCB FR4 DS 105*12*1.6MM 18 联板 三照	2nd source
	P15G8299--3	Vesa bkt	
	PLPCCB441XQN5	POWER BOARD	
U902	056G-139--9	IC PHOTO COUPLER EL817M(X) DIP-4 EVERLIGHT	
	056G-139-3A	IC PHOTO COUPLER PC123Y22FZ0F SHARP	2nd source
TR901	061G--5810T	RST NTCR 8 OHM +-20% 4A 13mm THINKING	
C908	063G107K474-6S	CAP X2 0.47UF K 275VAC	
	063G107K474-UM	CAP X2 470NF 10% 275VAC MPX	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	
C910	067G-40Z12115H2010	EC 120uF 20% 450V 20*40mm	
L902	073G-174241--X	LINE FILTER 18mH MIN EF20 3LFEF2022-303M ASET	
	073G-174241-CP	LINE FILTER 18MH MIN L050234-6	2nd source
L906,L907,L908	073G-253191--H	IND CHOKE 1.1uH DADON	
	073G-253191--L	CHOKE COIL 1.1uH CC-007802 LI TAI	2nd source
L801	073G-253214-DN	CHOKE COIL 47UH 10% LZ.CC013.G01	
	073G-253214--H	CHOKE COIL 47uH -10% L470R HA DADON	2nd source
T901	080GL22T--3-H6	X'FMR 490UH 7% 4UH ER28 BCK-12866-HA DADON	
	S80GL22T3V6	X'FMR 490UH 7% 4UH EER28 TPV-PT	2nd source
CN901	087G-501-48--S	AC SOCKET 3PIN+3 Hole SOLTEAM	
	087G-501-48-DL	AC SOCKET 3PIN 3 Hole DLK	2nd source
BD901	093G--50460-44	DIODIE BRIDGE GBL408 4A/800V GBL LITEON	
D901,D902	093G--60335	DIODE SCHOTTKY SR515 5A/150V	

		DO-201AD TSC	
	093G--60325	DIODE SCHOTTKY SB5150 5A 150V DO-201AD LITEON	2nd source
D801A	093G--60520	DIODE SCHOTTKY SR5100-MK23 5A/100V DO-27 SECOS	
	705GQB57051	Q901 ASS""Y	
Q901	057G-667941	MOSFET P0765ATF 7A/650V TO-220F NIKO-SEM	
	057G-724-11	MOSFET STP9NK65ZFP 6.4A/650V TO-220FP ST	2nd source
HS1	090G6064--1	HEAT SINK	
	0M1G-930--8120	SCREW	
	705GQC93083	D906 ASS'Y	
	005G--42--1	WASHER	
	012G-372--1	thermal pad	
HS2	090G6064--1	HEAT SINK	
D906	093G--60969	DIODE RECTIFIER MBR30L60CT C0 30A 60V TO220-AB TSC	
	093G--60970	DIODE RECTIFIER SBL30L60CT 30A 60V TO-220AB LITEON	2nd source
	0M1G-930--8120	SCREW	
	709G4744-QM001	COMSUPTIVE ASS'Y	
	051G-200--1	OIL FOR DISAPPEAR	
	052G---2191--A	PAPER TAPE	
	055G--23520	IPA	
	055G--23524--A	WELDING FULX WITHOUT Pb 无锡助焊剂	
	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	
CN903	F95G-820-4D208	WIRE HARNESS 4P-4P 130MM GREATLAND	
	F95G-820-4T208	WIRE HARNESS 4P-4P 130MM DIY	2nd source
	F95G-820-4X208	WIRE HARNESS 4P-4P 130MM XINYA	2nd source
CN902	F95G-825-9D602	WIRE HARNESS 9P-9P 100mm GREATLAND	
	F95G-825-9X602	WIRE HARNESS 9P-9P 100mm XINYA	2nd source
	F95G-825-9R602	WIRE HARNESS 9P-9P 100mm DERUN	2nd source
	H40G-45762429A	CBCP Label for EE	
CN806	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--23520	IPA	
	055G--23524	WELDING FLUX WITHOUT PB	
	055G--23524--A	WELDING FULX WITHOUT Pb 无锡助焊剂	
	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
E715	715G4033P01000004I	Power board FR-4 DS 20*20*1.6mm 42 连扳 兴达	
	715G4033P01000004L	Power board FR-4 DS 20*20*1.6mm 42 连扳 威尔高	2nd source
	715G4033P01000004S	Power board FR-4 DS 20*20*1.6mm 42 连扳 三照	2nd source
	PLCB441XQN5SMT	POWER BOARD FOR SMT	
U901	056G-379529	IC AC/DC CONVERTER LD7576AGR SOP-7 LEADTREND	
Q801	057G-763141	MOSFET APM1105NUC-TRG 16A/100V TO-252-3 ANPEC	
RJ609	061G0603000-JF	RST CHIPR MAX 0R05 1/10W FENGHUA	
	061G0603000-JT	RST CHIP MAX 0R05 1/10W TZAI YUAN	2nd source
RJ801	061G0805000-JF	RST CHIPR 0 OHM +-5% 1/8W FENGHUA	
	061G0805000-JT	RST CHIPR 0 OHM - 5% 1/8W TZAI YUAN	2nd source
R818	061G0805000-JT	RST CHIPR 0 OHM +- 5% 1/8W TZAI YUAN	
R804,R808	061G0805100-JF	RST CHIPR 10 OHM +-5% 1/8W FENGHUA	
	061G0805100-JT	RST CHIP 10R 1/8W 5% TZAI YUAN	2nd source
R907,R928	061G0805102-JF	RST CHIPR 1K OHM +-5% 1/8W FENGHUA	
	061G0805102-JT	RST CHIPR 1K OHM - 5% 1/8W TZAI	2nd source

		YUAN	
R801,R918,R920	061G0805103-JF	RST CHIPR 10K OHM +-5% 1/8W FENGHUA	
	061G0805103-JT	RST CHIPR 10 KOHM -5% 1/8W 0805 TZAI YUAN	2nd source
R805	061G0805104-JF	RST CHIPR 100KOHM +-5% 1/8W FENGHUA	
	061G0805104-JT	RST CHIPR 100KOHM - 5% 1/8W TZAI YUAN	2nd source
R815	061G0805164-JF	RST CHIPR 160 KOHM +-5% 1/8W 0805 FENGHUA	
	061G0805164-JT	RST CHIPR 160 KOHM -5% 1/8W 0805 TZAI YUAN	2nd source
R916,R935	061G08052002FF	RST CHIPR 20 KOHM +-1% 1/8W 0805 FENGHUA	
	061G08052002FT	RST CHIPR 20 KOHM -1% 1/8W 0805 TZAI YUAN	2nd source
R809	061G08052203FF	RST 0805 220KOHM 1% 1/8W FENGHUA	
	061G08052203FT	RST 0805 220KOHM 1% 1/8W TZAI YUAN	2nd source
R802	061G0805304-JF	RST CHIPR 300KOHM +-5% 1/8W FENGHUA	
	061G0805304-JT	RST CHIP 300K 1/8W 5% TZAI YUAN	2nd source
R811,R936	061G08054301FT	RST 0805 4.3K 1% 1/8W TZAI YUAN	
	061G08054301FF	RST 0805 4.3K 1% 1/8W FENGHUA	2nd source
R925	061G08054701FF	CHIPR 0805 4.7KOHM +-1% 1/8W FENGHUA	
	061G08054701FT	CHIPR 0805 4.7KOHM -1% 1/8W TZAI YUAN	2nd source
R905,R919	061G0805471-JF	RST 0805 470 OHM +-5% 1/8W FENGHUA	
	061G0805471-JT	RST CHIPR 470OHM -5% 1/8W TZAI YUAN	2nd source
R806	061G0805512-JF	RST 0805 5.1KOHM +-5% 1/8W FENGHUA	
	061G0805512-JT	RST 0805 5.1KOHM -5% 1/8W TZAI YUAN	2nd source
R816	061G08055601FT	RST CHIPR 5.6 KOHM +-1% 1/8W 0805 TZAI YUAN	
	061G08055601FF	RST CHIPR 5.6 KOHM -1% 1/8W 0805 FENGHUA	2nd source
R810	061G08059101FF	CHIPR 0805 9.1KOHM +-1% 1/8W FENGHUA	
	061G08059101FT	CHIPR 0805 9.1KOHM -1% 1/8W TZAI	2nd source

		YUAN	
R917	061G1206100-JF	CHIPR 1206 10 OHM +-5% 1/4W FENGHUA	
	061G1206100-JT	RST CHIPR 10 OHM -5% 1/4W TZAI YUAN	2nd source
R814	061G12061009FF	RST CHIP 10 OHM 1% 1/4W FENGHUA	
	061G12061009FT	RST CHIPR 10 OHM 1/4W -1% TZAI YUAN	2nd source
R903,R909,R910,R912,R929,R930	061G1206101-JF	RST 1206 100 OHM +-5% 1/4W FENGHUA	
	061G1206101-JT	RST CHIPR 100 OHM -5% 1/4W TZAI YUAN	2nd source
R908,R911	061G1206103-JF	RST CHIPR 10KOHM +-5% 1/4W FENGHUA	
	061G1206103-JT	RST CHIPR 10KOHM -5% 1/4W TZAI YUAN	2nd source
R913	061G1206109-JF	RST CHIPR 1 OHM +-5% 1/4W 1206 FENGHUA	
	061G1206109-JT	CHIPR 1206 1 OHM - 5% 1/4W	2nd source
R812	061G12062007FF	RST CHIPR 0.2 OHM +-1% 1/4W FENGHUA	
R923	061G1206221-JF	RST CHIPR 220 OHM +-5% 1/4W FENGHUA	
	061G1206221-JT	RST CHIPR 220 OHM -5% 1/4W TZAI YUAN	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
R817	061G1206681-JF	RST CHIPR 680 OHM +-5% 1/4W 1206 FENGHUA	
	061G1206681-JT	RST CHIPR 680 OHM -5% 1/4W	2nd source
C812	065G080510131J---F	MLCC 0805 100pF +-5% 50V NPO FENGHUA	
	065G080510131J---Y	MLCC 0805 100pF -5% 50V NPO YAGEO	2nd source
C906,C914,C923	065G080510232K---F	MLCC 0805 1000pF +-10% 50V X7R FENGHUA	
	065G080510232K---Y	MLCC 0805 1000pF -10% 50V X7R YAGEO	2nd source
C802,C915	065G080510332K---F	MLCC 0805 10nF +-10% 50V X7R FENGHUA	

	065G080510332K---Y	MLCC 0805 10nF -10% 50V X7R YAGEO	2nd source
C814,C912,C924,C926	065G080510432K---F	MLCC 0805 0.1uF +-10% 50V X7R FENGHUA	
	065G080510432K---Y	MLCC 0805 0.1uF -10% 50V X7R YAGEO	2nd source
C813	065G080527131J---Y	MLCC 0805 270P 50V NP0 +/-5% YAGEO	
	065G080527131J---F	MLCC 0805 270P 50V NP0 /-5% FENGHUA	2nd source
C807	065G080533332K---F	MLCC 0805 33nF +-10% 50V X7R FENGHUA	
	065G080533332K---Y	MLCC 0805 33nF -10% 50V X7R YAGEO	2nd source
C927	065G080547332K---F	MLCC 0805 47nF +-10% 50V X7R FENGHUA	
	065G080547332K---Y	MLCC 0805 47nF -10% 50V X7R YAGEO	2nd source
C804,C810,C811	065G080547432K---M	MLCC 0805 0.47uF +-10% 50V X7R MURATA	
	065G080547432K---F	MLCC 0805 0.47uF -10% 50V X7R FENGHUA	2nd source
C808	065G120610171J---Y	MLCC 1206 100pF +-5% 500V NPO YAGEO	
	065G120610171J---A	MLCC 1206 100pF -5% 500V NPO SAMSUNG	2nd source
C917,C928,C929	065G120622272K---F	MLCC 1206 2200pF +-10% 500V X7R FENGHUA	
	065G1206222B2K---M	MLCC 1206 2200pF -10% 630V X7R MURATA	2nd source
C916	065G120622272K---Y	MLCC 1206 2200pF +-10% 500V X7R YAGEO	
	065G120622272K---F	MLCC 1206 2200pF -10% 500V X7R FENGHUA	2nd source
U801	356G0700045	IC LED DRIVER PF7024 S SOP-16 Powerforest	
	PLCB441XQN5AI	POWER BOARD FOR AI	
CN901	006G--31500	EYELET	
IC903	056G-158-10--T	IC DC/DC AS431AZTR-E1 TO-92 TO92RAK	
	056G-158-12	IC DC/DC KIA431A-AT/P TO-92 TO92RAK	2nd source
Q904	057G-530503--T	MOSFET 2SD1207T 2A/60V TO-92L BLUE ROCKET	
	057G-761-16	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	
R904	061G152M25152T--SY	RST MOFR 250 OHM +-5% 2WS FUTABA	
R924	061G152M43852T--SY	RST MOFR 0.43 OHM +-5% 2WS FUTABA	
	061G152M43852T--HX	RST MOF 0.43R 5% 2WS HX	2nd source
C911	065G--2K152-2T6921	CAP CER 1500pF K 2KV Y5P	
	065G--2K152-2T6213	CAP CER 1500PF K 2KV	2nd source
C805	065G500K4742HT	CAP CER 470NF 10% 50V X7R TORCH	
C816	065G517K102-2T6921	CAP CER 1000pF +-10% 500V Y5P WANSHENG	
C920	067G-2041022LT	EC 1000uF 20% 10V 10*12 2000Hr LELON	
	067G-2041022KT	EC 1000uF 20% 10V 10*12 2000Hr CHINSAN	2nd source
C925	067G-2046812KT	CS CAP 680uF 10V 8*11 mm	
	067G-2046812LT	CAP CS 680UF 20% 10V 8*11.5	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
C801	067G215D3314KT	EC 330uF +-20% 25V 10*12 4000Hr CHINSAN	
C918,C919	067G215D6814KT	EC 680uF +-20% 25V 10*20 4000Hr CHINSAN	
	067G215D6814LT	EC 680uF -20% 25V 10*20 4000Hr LELON	2nd source
C922,C931	067G215S4713KT	EC 470uF +-20% 16V 10*13 4000Hr CHINSAN	
	067G215S4713LT	EC 470uF -20% 16V 10*12.5 4000Hr LELON	2nd source
C913	067G215Y4707KT	47uF 50V	
	067G215Y4707LT	LOW ESR EC 47uF 50V M 6.3*11mm	2nd source
J810	071G--55--9--T	FERRITE BEAD	
FB801,FB802,FB901	071G--55-29	FERRITE BEAD	
	071G--55-29--X	BEAD 3.5*2.2*0.8 45R -25% 3BDR3522-453A ASET	2nd source
F801	084G--56--3--C	FUSE 3.15A 250V MST 3.15A 250V CONQUER	
F901,F902,F903	084G--56--5--C	FUSE 5A 250V MST 5A 250V	
	084G--56--5--B	FUSE 5A 250V SS-5-5A-AP	2nd source
ZD901	093G--39A6852T	DIODE ZD DIODES MTZJ22B 21.51V/0.5W DO-34 SEMTECH	
	093G--3916352T	DIODE ZD TZX22B 22V/05W DO-35	2nd source

		VISHAY	
D903,D904	093G--6026T52T	DIODE RECTIFIER FR107 AO 1A/1000V TSC	
	093G--60964	Diode RECTIFIER PS1010R T/B 1A 1000V DO-41 PANJIT	2nd source
D907	093G--6452452T	DIODE SWITCHING 1N4148-B4006 0.2A 100V DO-35 SEMTECH	
FB902,J613,J801,J802,J803,J804,J805,J806,J807,J808,J809,J812,J815,J901,J902,J903,J905,J906,J907,J908,J910,J911,J912,J921	095G--90-23	JUMPER WIRE	
E715	715G4744P02004001M	Power PCB FR1 SS 195*132*1.6MM 2 联板 闽威	
	715G4744P02004001S	Power PCB FR1 SS 195*132*1.6MM 2 联板 三照	2nd source
	715G4744P02004001H	Power PCB FR1 SS 195*132*1.6MM 2 联板 汇和	2nd source
GND1	Q09G601500100100RJ	料带端子	
	Q01G700100A003	Hand_screw	
	Q12G6082--1	FOOT PAD	
	Q15G1351801	Main_frame	
	Q15G1406101	Base_bkt	
	Q37G0307012	hinge	
	Q40G-58162435A	P/N LABEL FOR MANUAL PE BAG	
	Q40G000161518A	CARTON LABEL(70*40mm)卷状	
	Q40G0001624-4A	PALLET LABEL	
	Q40G0003615A80	QC PASS LABEL	
	Q45G2010M0201A	pe bag for manual	
	Q45G8801607100	PE BAG	
	Q45G9901609409	EPE BAG	
	Q52G1501527	Antistatic tape	
	Q52G1801MNT038	mylar	
	Q52G1801MNT176	mylar_btm	
	Q52G1801MNT177	mylar_top	