

Service

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Service Manual

Horizontal Frequency
30-60 kHz

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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

Revision List

[illegible]

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.)

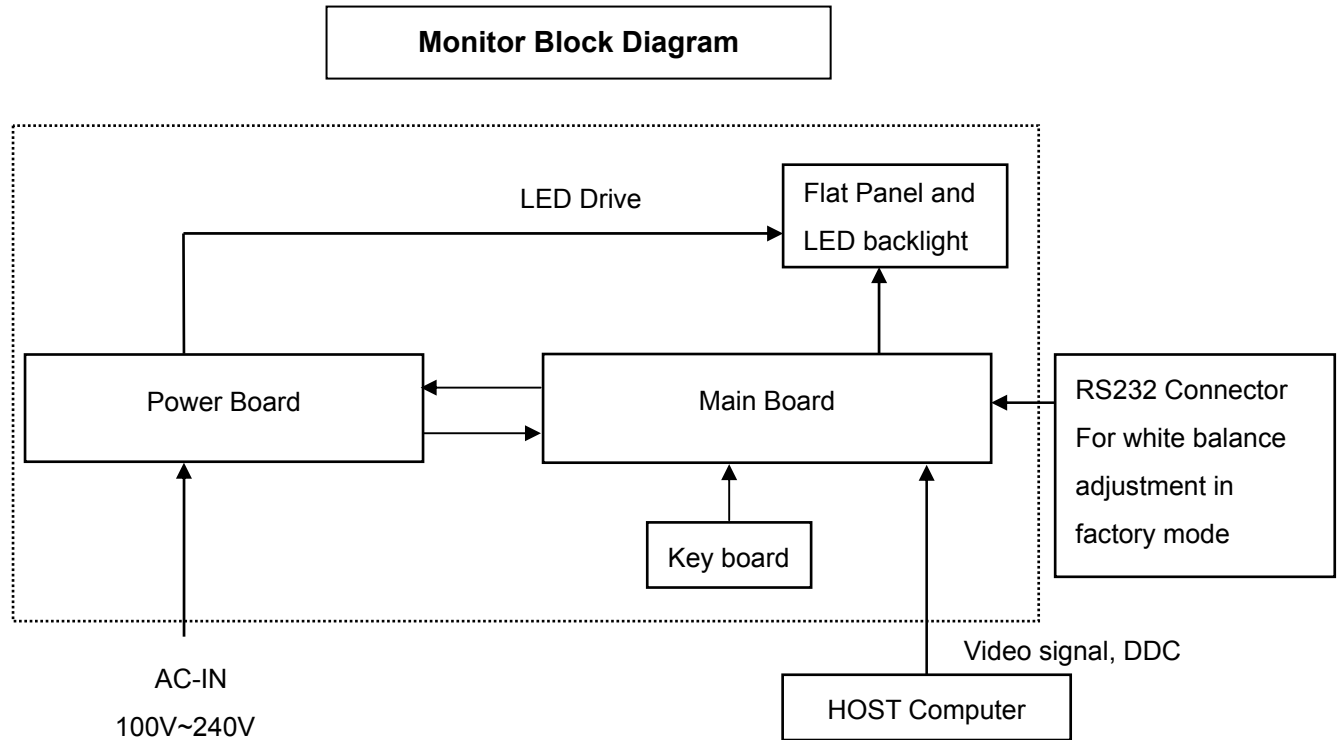
1. Monitor Specification

Panel	Model number	e1621Sw
	Driving system	TFT Color LCD
	Viewable Image Size	39.6cm diagonal
	Pixel pitch	0.252mm(H) x 0.252mm(V)
	Video	R, G, B Analog interface
	Separate Sync.	H/V TTL
	Display Color	16.7M Colors
	Dot Clock	90MHz
Resolution	Horizontal scan range	30 kHz - 60 kHz
	Horizontal scan Size(Maximum)	344.232mm
	Vertical scan range	60Hz
	Vertical scan Size(Maximum)	193.536mm
	Optimal preset resolution	1366 x 768 (60 Hz)
	Highest preset resolution	1366 x 768 (60 Hz)
	Plug & Play	VESA DDC2B/CI
	Input Connector	D-Sub 15pin
	Input Video Signal	Analog: 0.7Vp-p(standard), 75 OHM, TMDS
	Power Source	100~240 V~, 50/60Hz
	Power Consumption	Active < 14.5W
		Standby < 0.7W
Physical Characteristics	Connector Type	15-pin Mini D-Sub
	Signal Cable Type	Detachable
	Dimensions & Weight:	
	Height (with base)	301.2 mm
	Width	373 mm
	Depth	142.6 mm
	Weight (monitor only)	1.7kg
Environmental	Temperature:	
	Operating	0° to 40°
	Non-Operating	-20°to 60°
	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, a power board and a key board which house the flat panel control logic, brightness control logic and DDC.

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



3. Operation 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 Control Buttons



Power

Press the Power button continuously to turn off the monitor.

4:3 or wide image ratio hot key

There is no OSD, press + 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 disabling to adjust.)

Eco Mode / -

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

Auto / Exit

When the OSD is closed, press the Auto button will be auto configure hot key function.

3.3 Adjusting the Picture OSD Settings



- 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 sub-menu. Once the desired function is highlighted, press **MENU-button** to activate it.
- 3) Press **- or +** to change the settings of the selected function. Press **- or +** to select another function in sub-menu. 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 disabling to adjust.
- 2) If the product screen size is 4:3 or input signal resolution is wide format, the item of "Image Ratio" is disabling to adjust.
- 3) One of DCR, Color Boost, and Picture Boost functions is active; the other two 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, press **MENU** to enter, and press - or + to adjust.

4



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, press **MENU** to enter, and press - or + to adjust.

4



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
	H.Position	0-100	Adjust the horizontal position of the picture.
	V.Position	0-100	Adjust the vertical position of the picture.

Color Temperature

1



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

2



Press - or + to select  (Color Temperature), and press **MENU** to enter.

3



Press - or + to select submenu, press **MENU** to enter, and press - or + to adjust.

4



Press **AUTO** to exit.

	Warm	6500K	Recall Warm Color Temperature from EEPROM.
	Normal	7300K	Recall Normal Color Temperature from EEPROM.
	Cool	9300K	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

Color Boost

1



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

2



Press - or + to select  (Color Boost), and press **MENU** to enter.

3



Press - or + to select submenu, press **MENU** to enter, and press - or + to adjust.

4



Press **AUTO** to exit.

	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
	Demo	on or off	Disable or Enable Demo

Picture Boost

1



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

Press - or + to select (Picture Boost); and press **MENU** to enter.

2



Press - or + to select Bright Frame.

Select "on" to activate Picture Boost.

3



Press - or + to select submenu, press

MENU to enter, and press - or + to adjust.

4



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, press **MENU** to enter, and press - or + to adjust.

4



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 sele  (OSD Setup), and press **MENU** to enter.

3



Press - or + to select submenu, press **MENU** to enter, and press - or + to adjust.

4



Press **AUTO** to exit.

	Input Select	Analog	Select Analog Sigal 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
	Off timer	1 to 24hrs	Select DC off time
	Information		Show the information of the main image and sub-image source

Reset

1



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

2



Press - or + to select  (Reset), and press **MENU** to enter.

3



Press- or + to select YES or NO.

4



Press **AUTO** to exit.

	Reset	yes or no	Reset the menu to default
---	-------	-----------	---------------------------

Exit

1



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

2



Press - or + to select  (Exit);
and press **MENU** to enter.

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

4. Input/Output Specification

4.1 Input Signal Connector

D-Sub 15pin Connector

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

4.2 Factory Preset Display Modes

Stand	Resolution	Horizontal Freq.(KHz)	Vertical Freq.(Hz)
VGA	640x480@60Hz	31.469	59.940
SVGA	800x600@60Hz	37.879	60.317
XGA	1024x768@60Hz	48.363	60.004
WXGA	1360x768@60Hz	47.712	60.015
	1366x768@60Hz	47.712	59.790

4.3. Panel Specification

CLAA156WB11A is 15.6" color (16 : 9) TFT-LCD (Thin Film Transistor Liquid Crystal Display) module composed of LCD panel, LVDS driver ICs, control circuit and backlight. By applying 6 bit digital data, 1366 x RGB (3) x 768, 262K-color images are displayed on the 15.6" diagonal screen.

4.3.1 General Feature

Item	Specification
Display Area (mm)	344.232 (H)x193.536 (V) (15.6-inch diagonal)
Number of Pixels	1366 ×3(H)×768 (V)
Pixel Pitch (mm)	0.252 (H)×0.252(V)
Color Pixel Arrangement	RGB vertical stripe
Display Mode	Normally white
Number of Colors	262,144(6bits)(LVDS)
Gamut	56% (min)/ 60% (typ.)
Optimum Viewing Angle	6 o'clock
Response Time (ms)	8ms (typ.)
Surface Treatment	Glare
Viewing Angle	45° 、 45° /20° 、 35°(typ.)
Brightness (cd/m ²)	220 cd/m ² (5 point) /20mA (typ.) 200 cd/m ² (5 point) /20mA (min.)
Uniformity	5 point: 80% 13 point: 65%
Consumption of Power (W)	5.5W (Max)
Module Size (mm)	359.8 (W) x 210 (H) x 5.5 (D) (Max)
Module Weight (g)	450 (max.)

4.3.2 Optical Characteristics

Ta=25°C, VDD=3.3V

ITEM		SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Contrast Ratio		CR	$\theta = \psi = 0^\circ$	400	500		--
Luminance (5P)		L	$\theta = \psi = 0^\circ$	200	220		cd/m ²
Uniformity(5P)		ΔL	$\theta = \psi = 0^\circ$	80			%
Uniformity(13P)		ΔL	$\theta = \psi = 0^\circ$	65			%
Response Time		Tr	$\theta = \psi = 0^\circ$		3	6	ms
		Tf	$\theta = \psi = 0^\circ$		5	10	ms
Cross talk		CT	$\theta = \phi = 0^{\circ*3}$			1	%
View angle	Horizontal	Ψ	$CR \geq 10$	40/-40	45/-45		°
	Vertical	θ		15/-30	20/-35		°
Color Temperature Coordinate	W	X Y	$\theta = \psi = 0^\circ$	0.293	0.313	0.333	
				0.309	0.329	0.349	
	R	X Y		0.590	0.620	0.650	
				0.310	0.340	0.370	
	G	X Y		0.300	0.330	0.360	
				0.540	0.570	0.600	
	B	X Y		0.120	0.150	0.180	
				0.030	0.060	0.090	
Gamut			$\theta = \psi = 0^\circ$	56%	60%		
Gamma		γ	GL	2.0	2.2	2.4	

4.3.3 Electrical Characteristics

TFT LCD

TEM		SYMBOL	MIN	TYP	MAX	UNIT
LCD POWER VOLTAGE		VCC	3.0	3.3	3.6	V
LCD POWER CURRENT		ICC	-	303	333	mA
Rush CRRENT		Irush	-	-	2	A
LOGIC INPUT VOLTAGE (LVDS: IN+,IN-)	INPUT VOLTAGE	VIN	0	-	VCC	V
	COMMON VOLTAGE	VCM	1.125	1.25	1.375	V
	DIFFRENTIAL INPUT VOLTAGE	VID	100	350	600	mV
	THRESHOLD VOLTAGE (HIGH)	VTH	-	-	100	mV
	THRESHOLD VOLTAGE (LOW)	VTL	-100	-	-	mV

BACKLIGHT

(a) ELECTRICAL CHARACTERISTICS

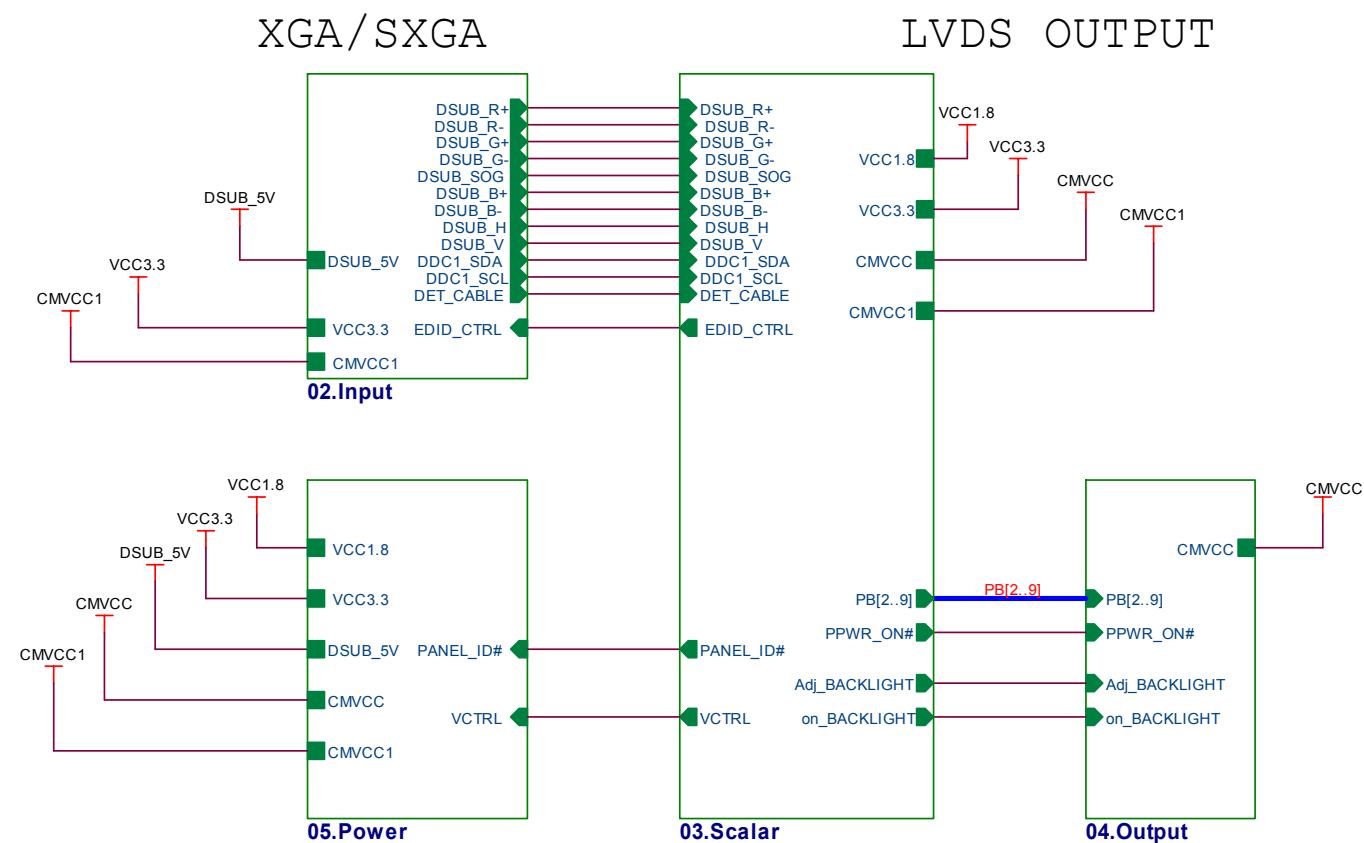
ITEM	SYMBOL	MIN	TYP	MAX	UNIT
LED Driver Input Voltage	VBL+	7	12	21	V
LED Driver Input Current	IBL+	-	-	650	mA
Forward Voltage	VF	2.9	3.2	3.5	V
Forward Current	IF	19.5	20	20.5	mA
Power consumption	PLED	3.92	4.2	4.4	W
PWM Frequency	PWM_BL	180	200	250	Hz
Duty ratio	Dim	10	-	100	%

(b) LED LIFE – TIME

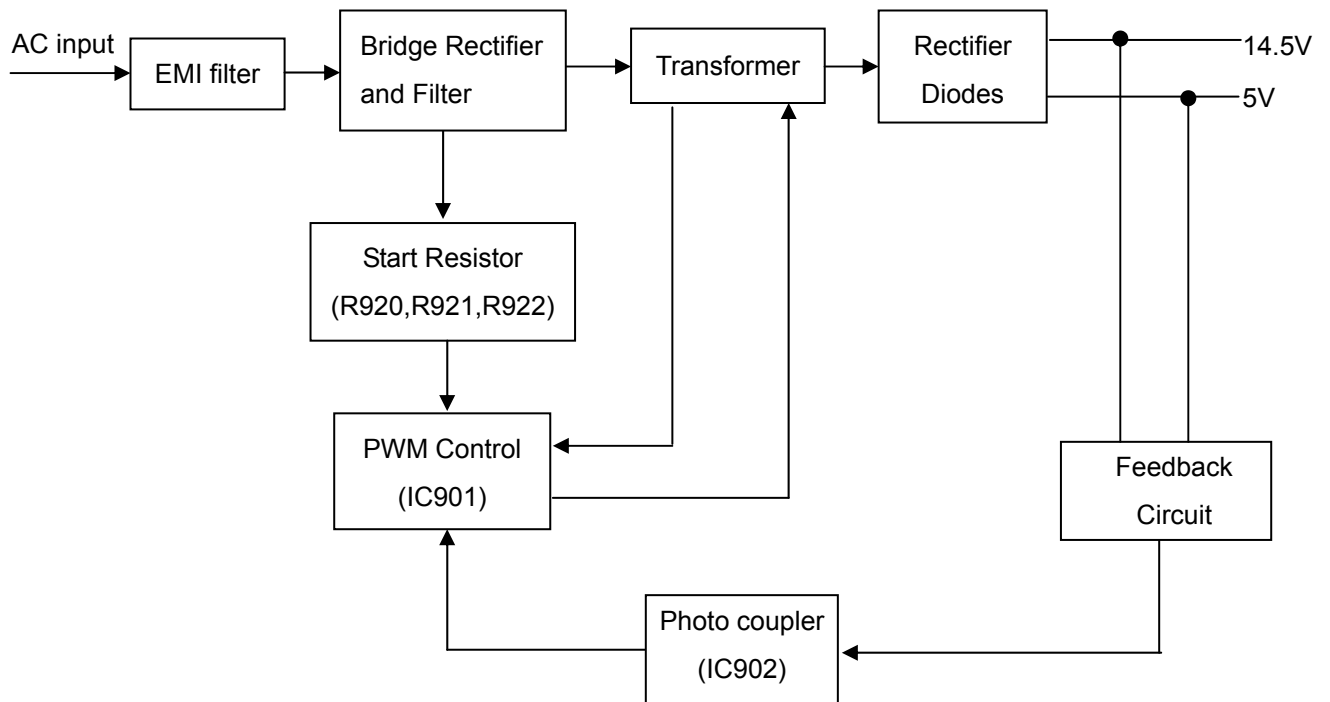
ITEM	Condition	min	typ	max	UNIT
LIFE TIME	I _F =20mA、Ta=25℃	15000	-	-	hrs

5. Block Diagram

5.1 Main board



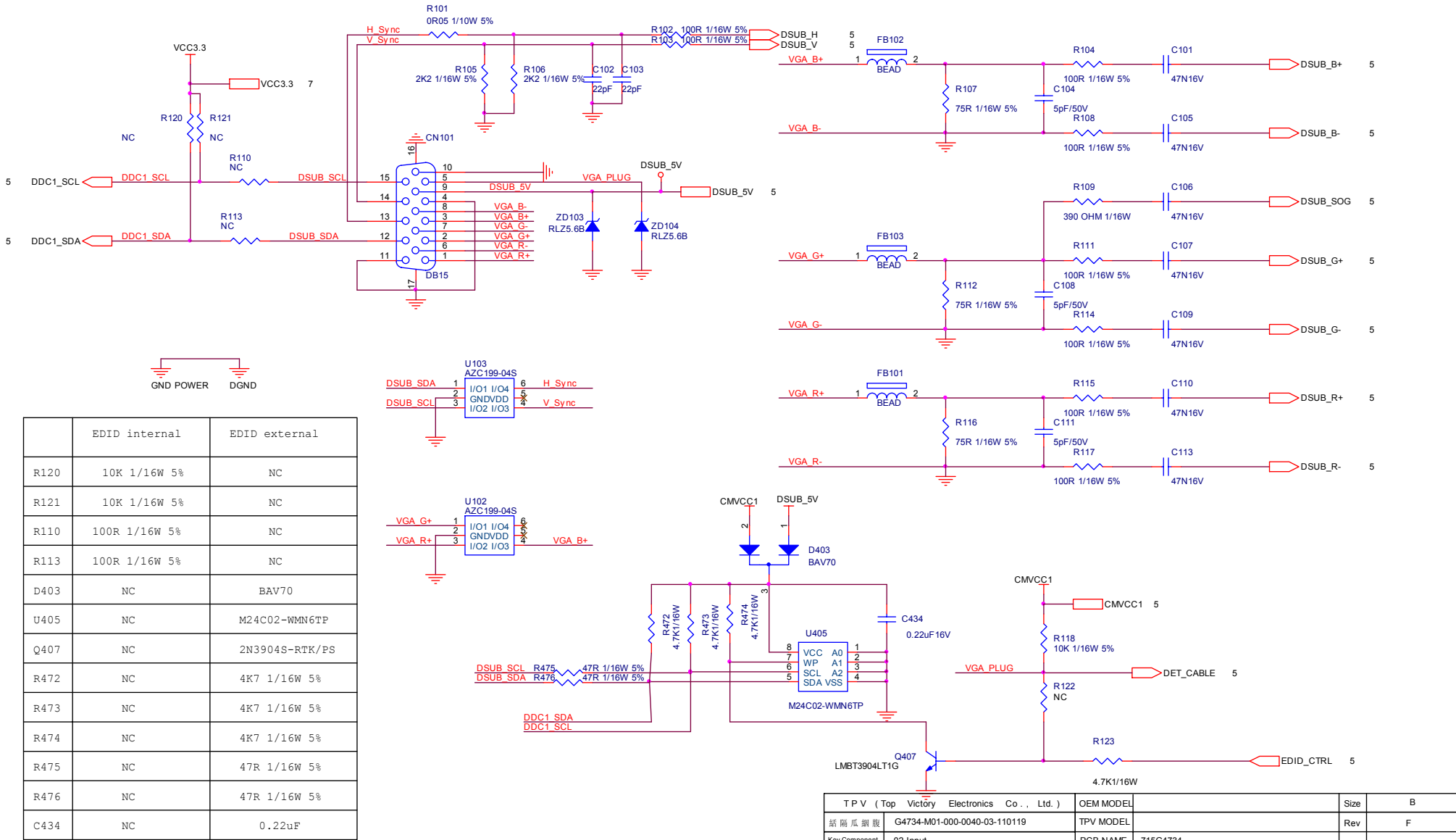
5.2 Power board



6. Schematic

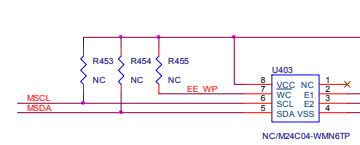
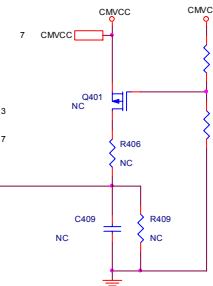
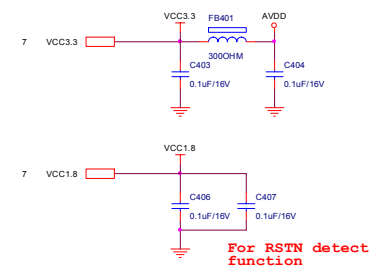
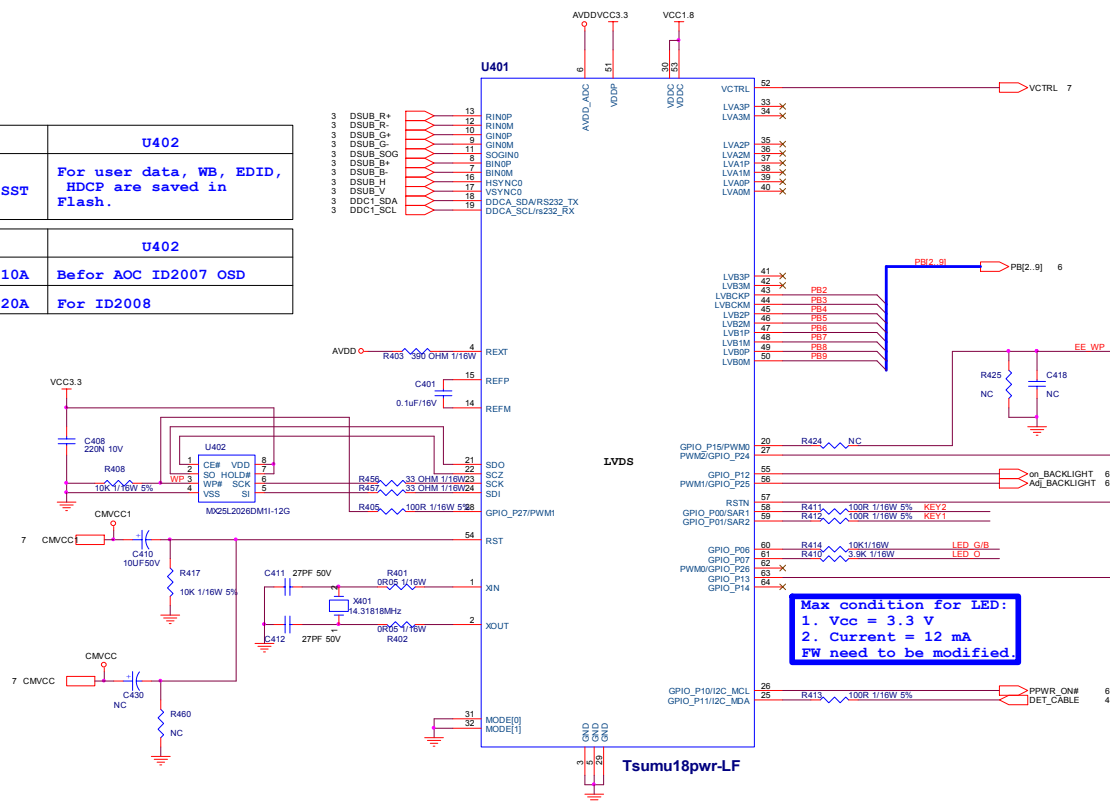
6.1 Main Board

715G4734M01000004I



	U402
SST	For user data, WB, EDID, HDCP are saved in Flash.

	U402
010A	Befor AOC ID2007 OSD
020A	For ID2008

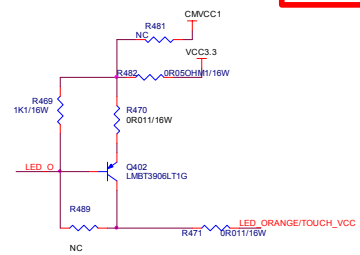
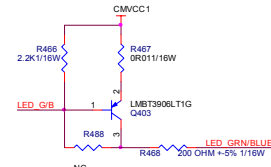


Max condition for LED:
1. $V_{cc} = 3.3\text{ V}$
2. Current = 12 mA
FW need to be modified.

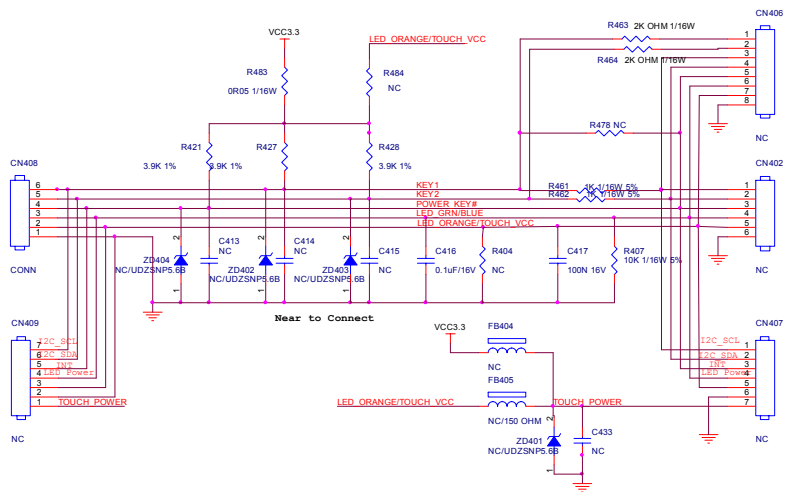
When NVRAM is used,
POWER_KEY# and PANEL_ID#
will not be used at same
time.

R425, C418 depend on
case.

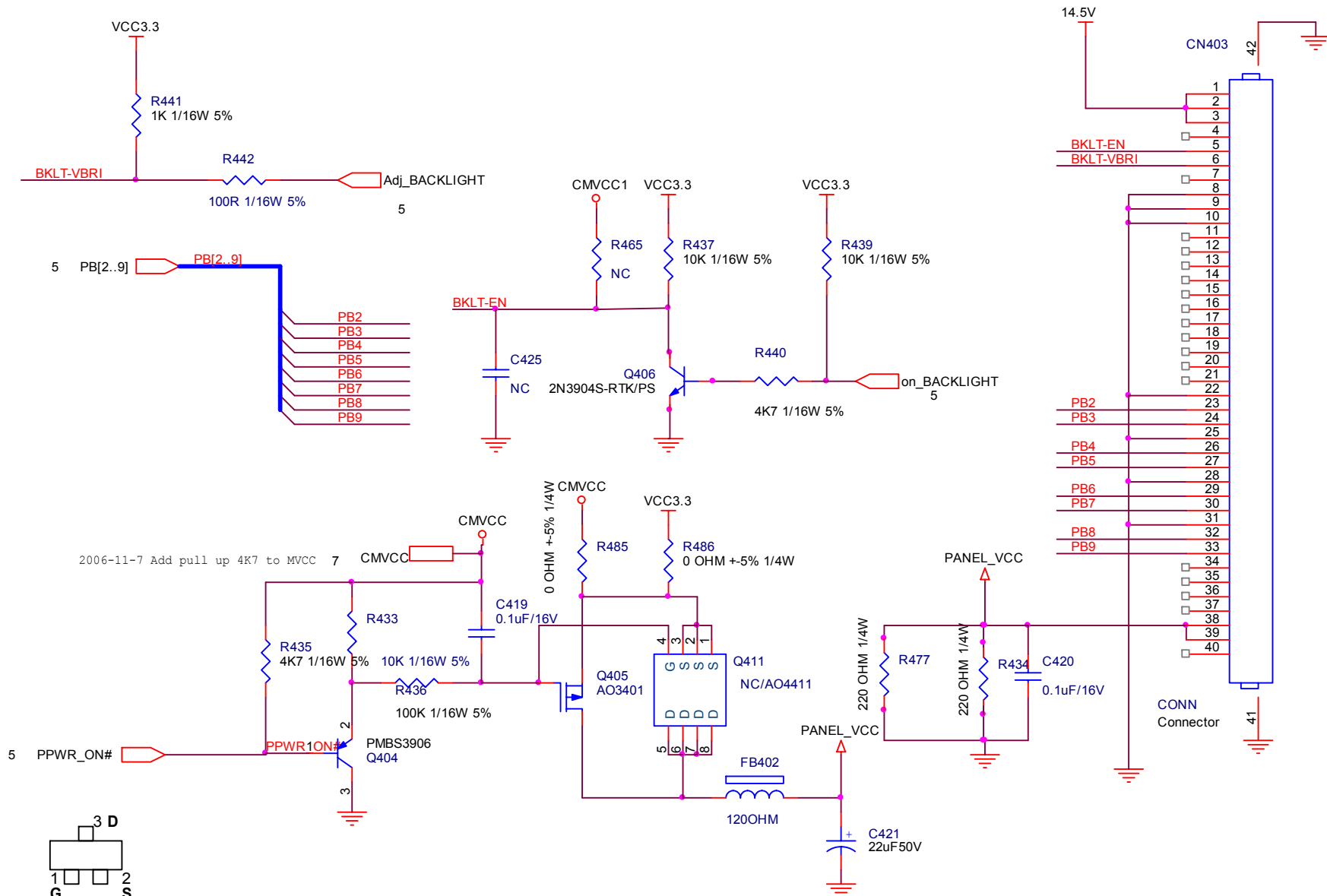
PANEL ID# and POWER KEY#
could be optional.



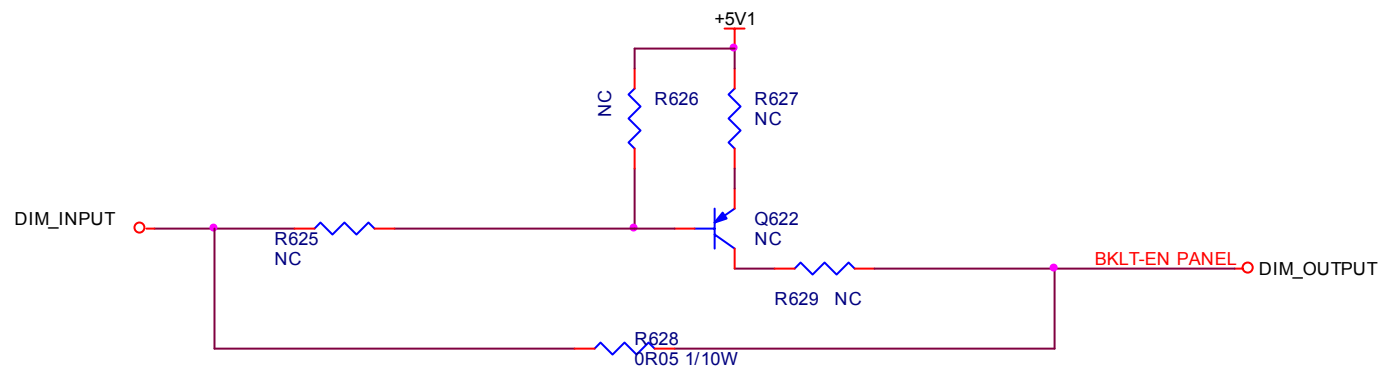
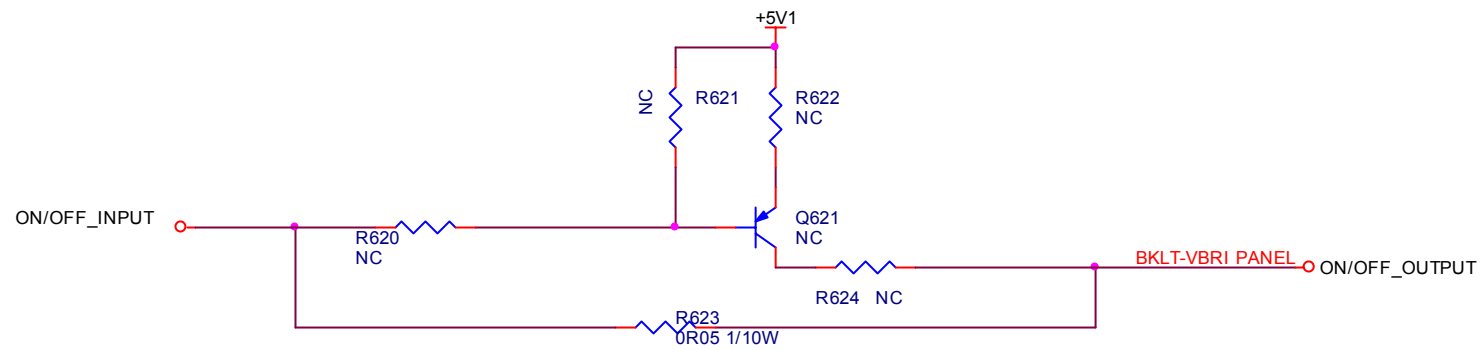
	For NVRAM	Without NVRAM
U403	M24C04-WMN6TP	NC
C419	0.22uF16V	NC
R424	100R 1/16W 5%	NC
R451	100R 1/16W 5%	NC
R452	100R 1/16W 5%	NC
R453	10K 1/16W 5%	NC
R454	10K 1/16W 5%	NC
R455	10K 1/16W 5%	NC
R426	NC	NC or 100R 1/16W 5%
R420	NC	NC or 100R 1/16W 5%
R421	NC	10K --- 61G0402103
R478	1K for reference	NC



T P V (Top Victory Electronics Co., Ltd.)		OEM MODEL	Size	C
振南瓜覆機	G4734-MD1-000-0040-03-110106	TPV MODEL	Rev	F
Key Component	03.Scalar	PCB NAME	715G4734	
Date	Thursday, January 06, 2011	Sheet	3 of 5	
			修華	<修華>

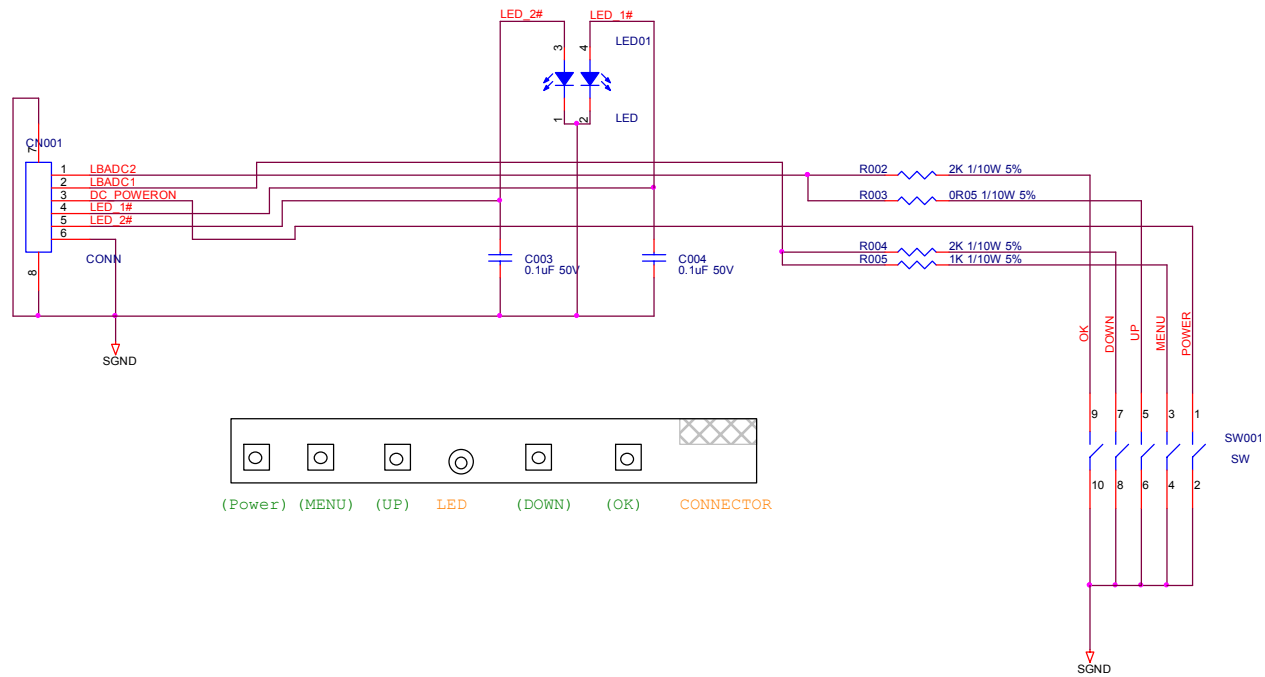


TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL		Size	A
結構圖網版	G4734-M01-000-0040-03-110119	TPV MODEL	Rev	F
Key Component	04.Output	PCB NAME	715G4734	称爹
Date	Thursday, January 20, 2011	Sheet	4 of 5	<称爹>



T P V (Top Victory Electronics Co. , Ltd.)			OEM MODEL		Size	A
結 隔 瓜 網 腹	G3189-P02-LED-X-19-101108		TPV MODEL		Rev	1
Key Component	04.BUFEER	PCB NAME	715G3189-PO1-LED	称爹	ODM MODEL	
Date	Monday , November 08, 2010	Sheet	of			

715G3584K01000004F

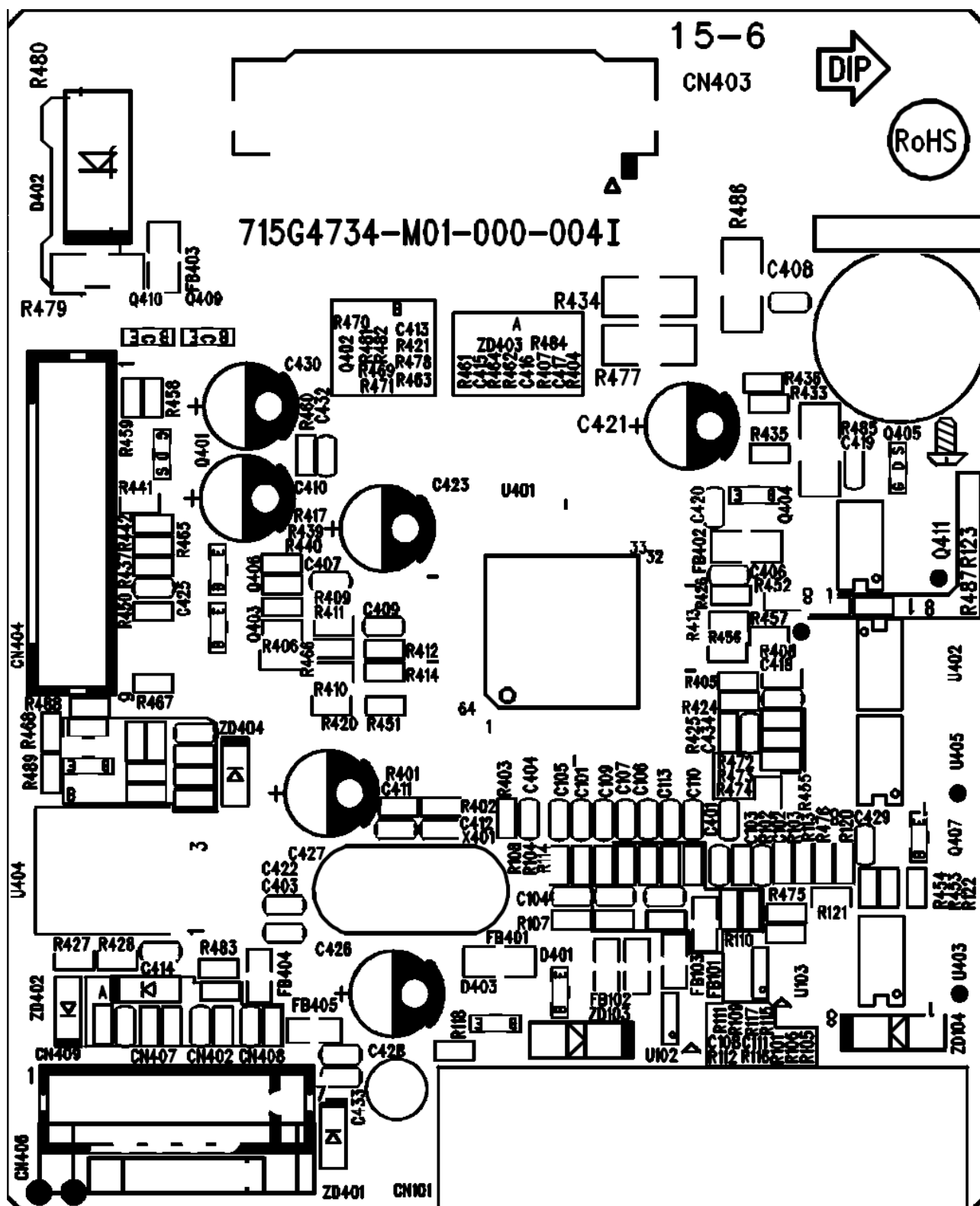


TPV (Top Victory Electronics Co., Ltd.)		OEM MODEL		Size	B
話 隔 瓜 銅 製	715G3584-K0B-X-X1-090414	TPV MODEL		Rev	B
Key Component	1.0 key	PCB NAME	715G3584-K0B	修 改	
Date	Friday, April 17, 2009	Sheet	1 of 1		

7. PCB Layout

7.1 Main Board

715G4734M01000004I




 XD-102 94V-0
 E193079-B
 1050.

MI LABEL POSITION

C421



C423




 C430

 C410

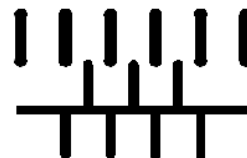
CN404



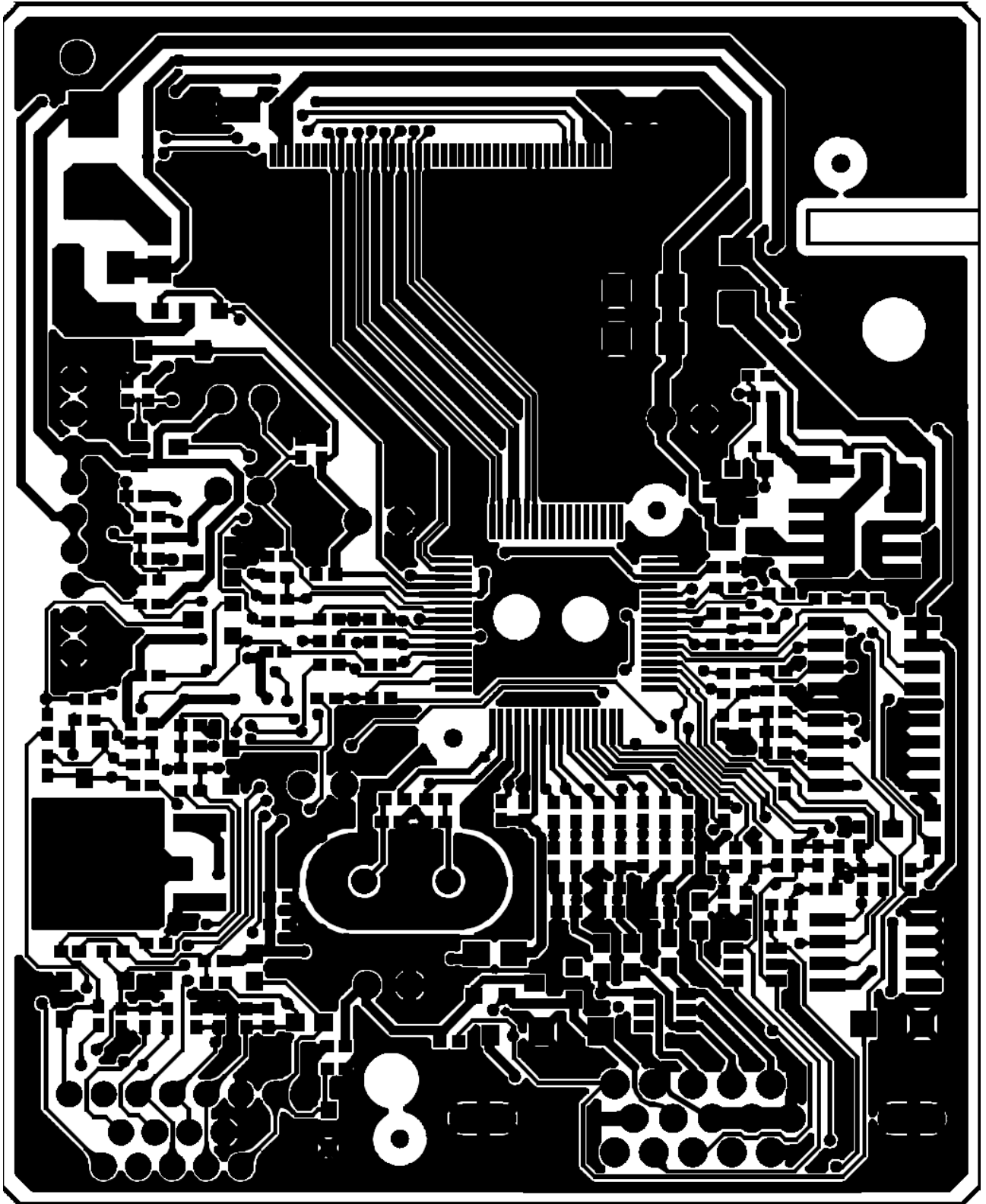

 C427

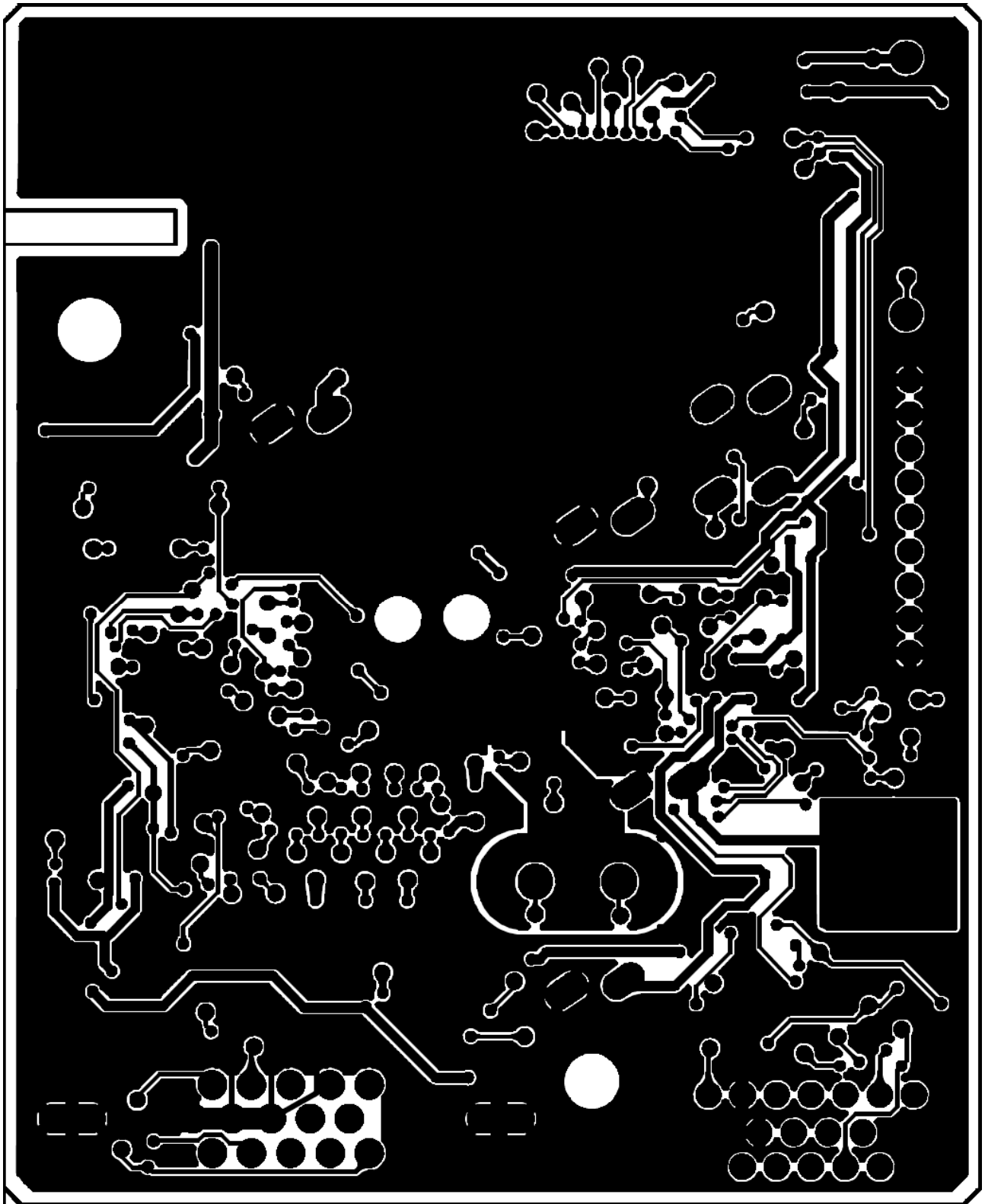

 C426

CN408 CN402
 CN407 CN409



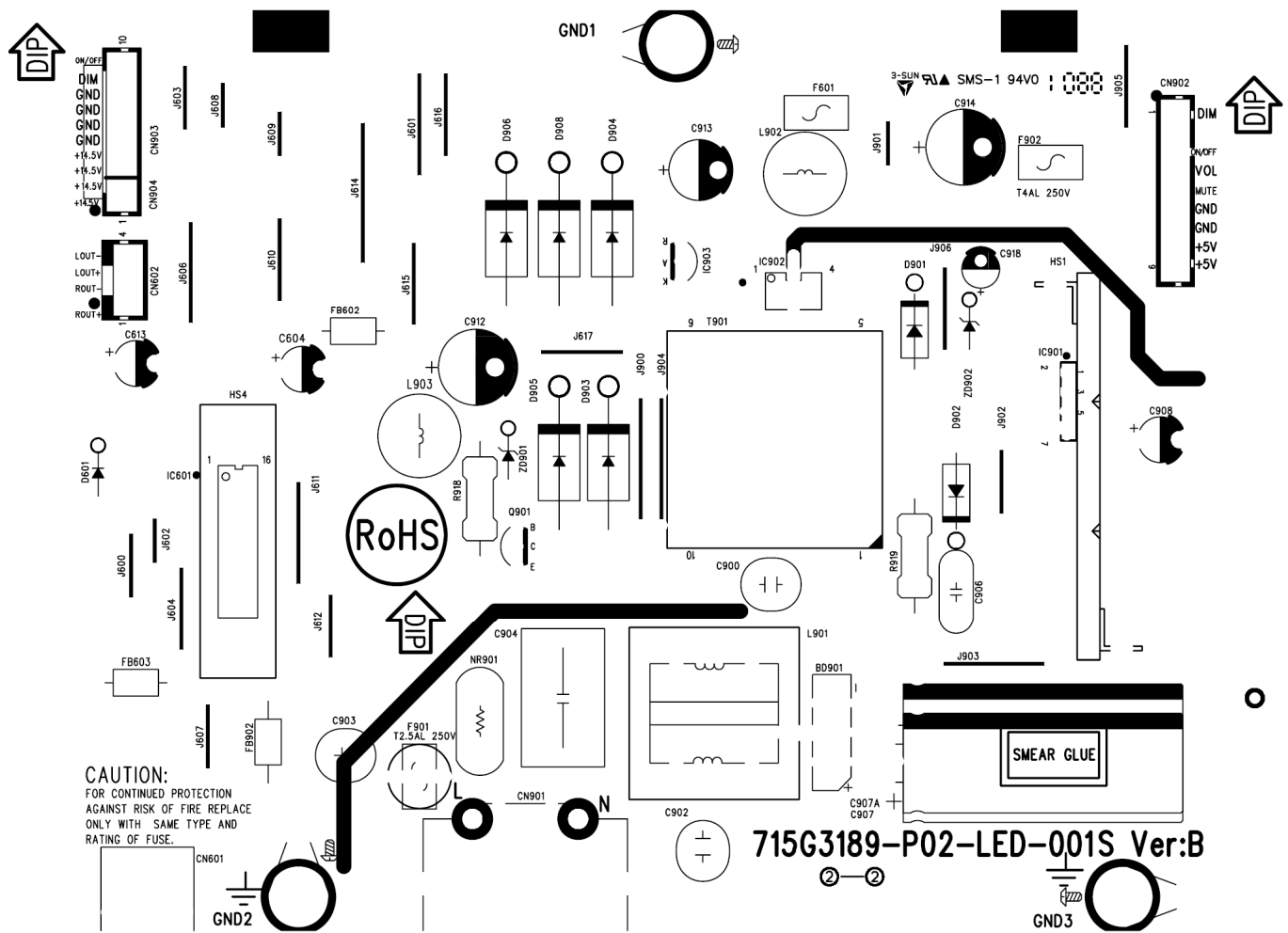
CN406

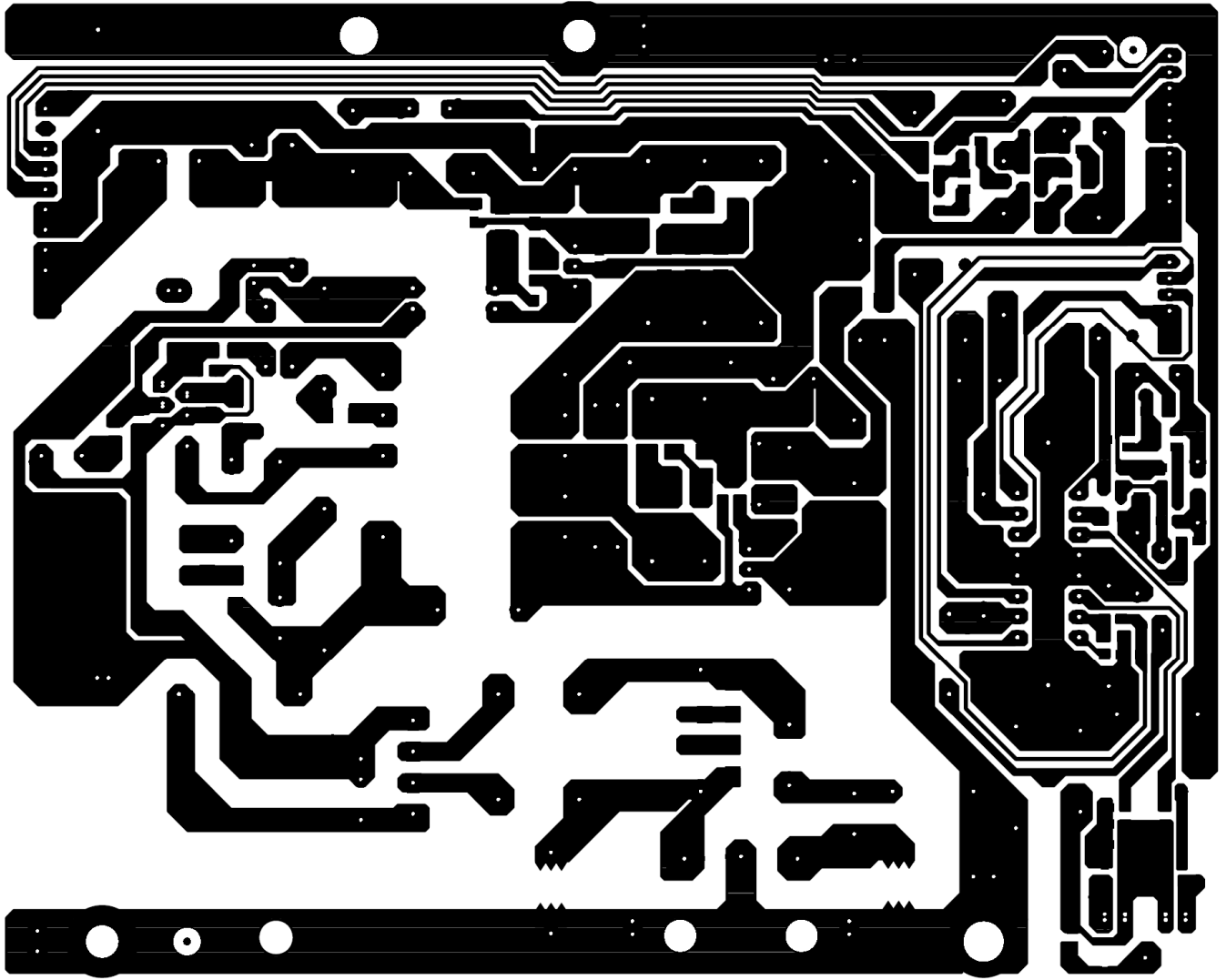




7.2 Power Board

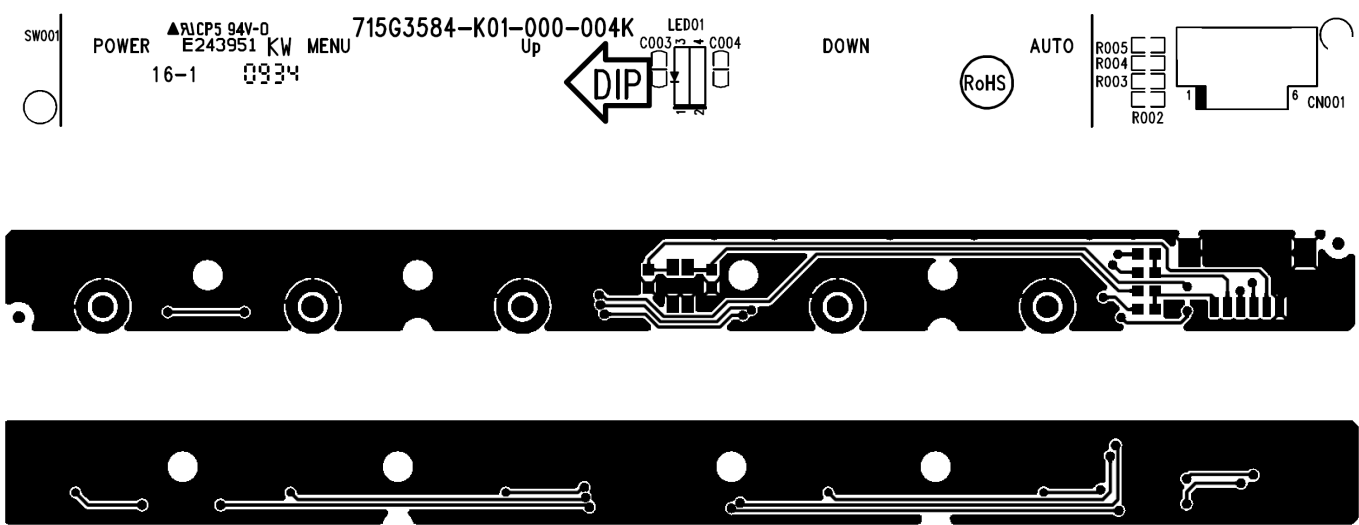
715G3189P02LED001S





7.3 Key Board

715G3584K01000004K



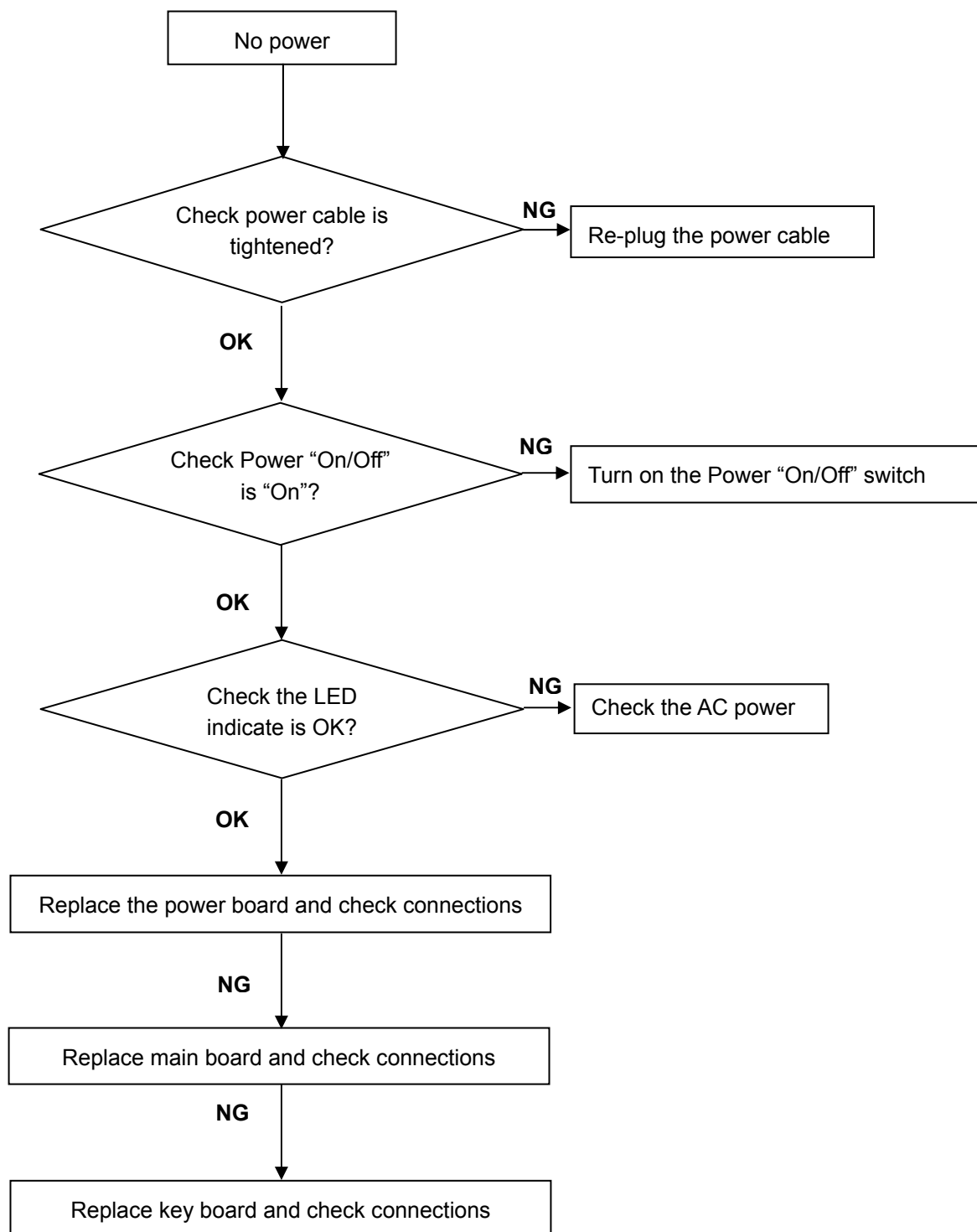
8. Maintainability

8.1 Equipments and Tools Requirement

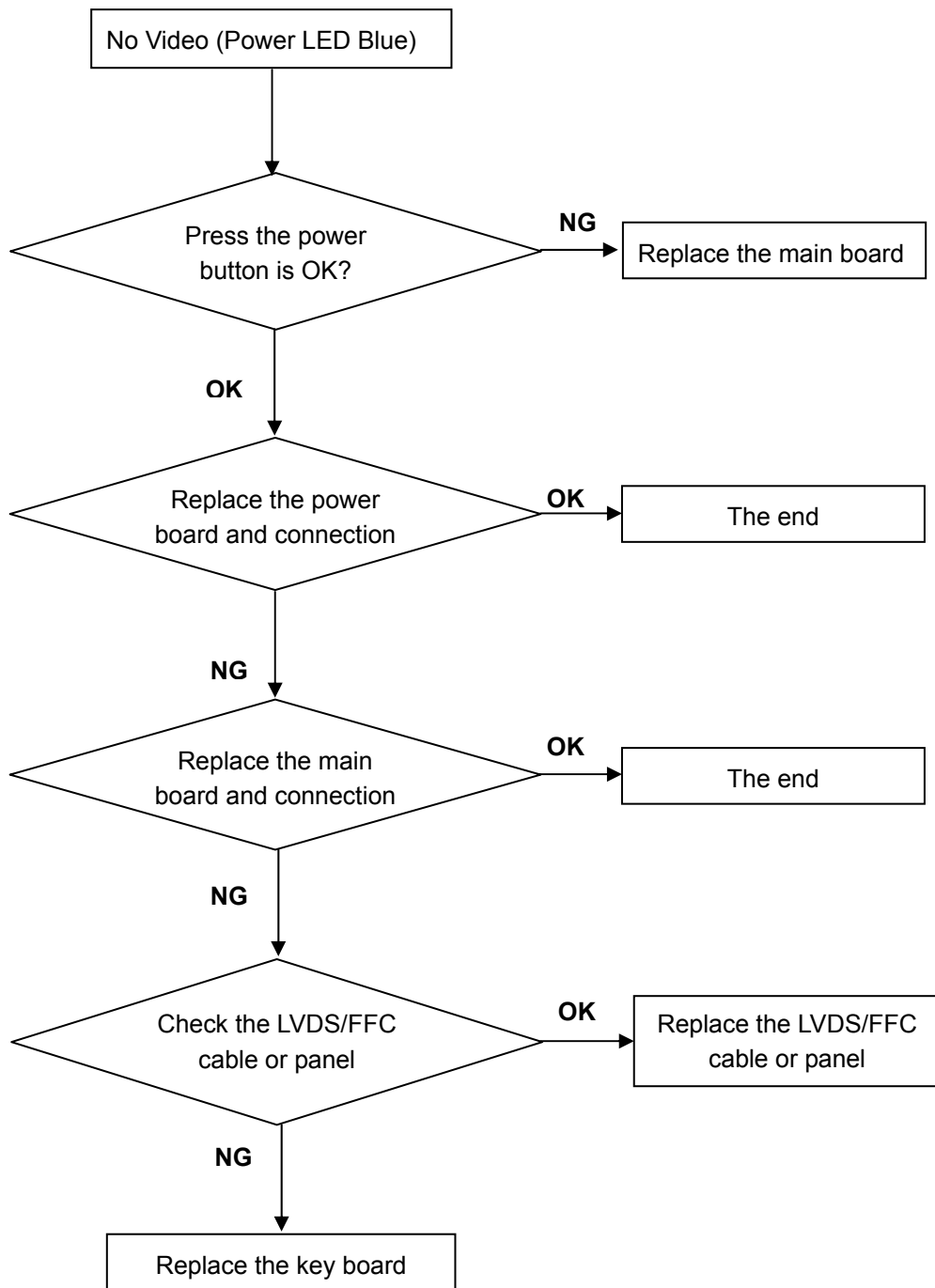
1. Voltmeter.
2. Oscilloscope.
3. Pattern Generator.
4. DDC Tool with an IBM Compatible Computer.
5. Alignment Tool.
6. LCD Color Analyzer.
7. Service Manual.
8. User Manual.

8.2 Trouble Shooting

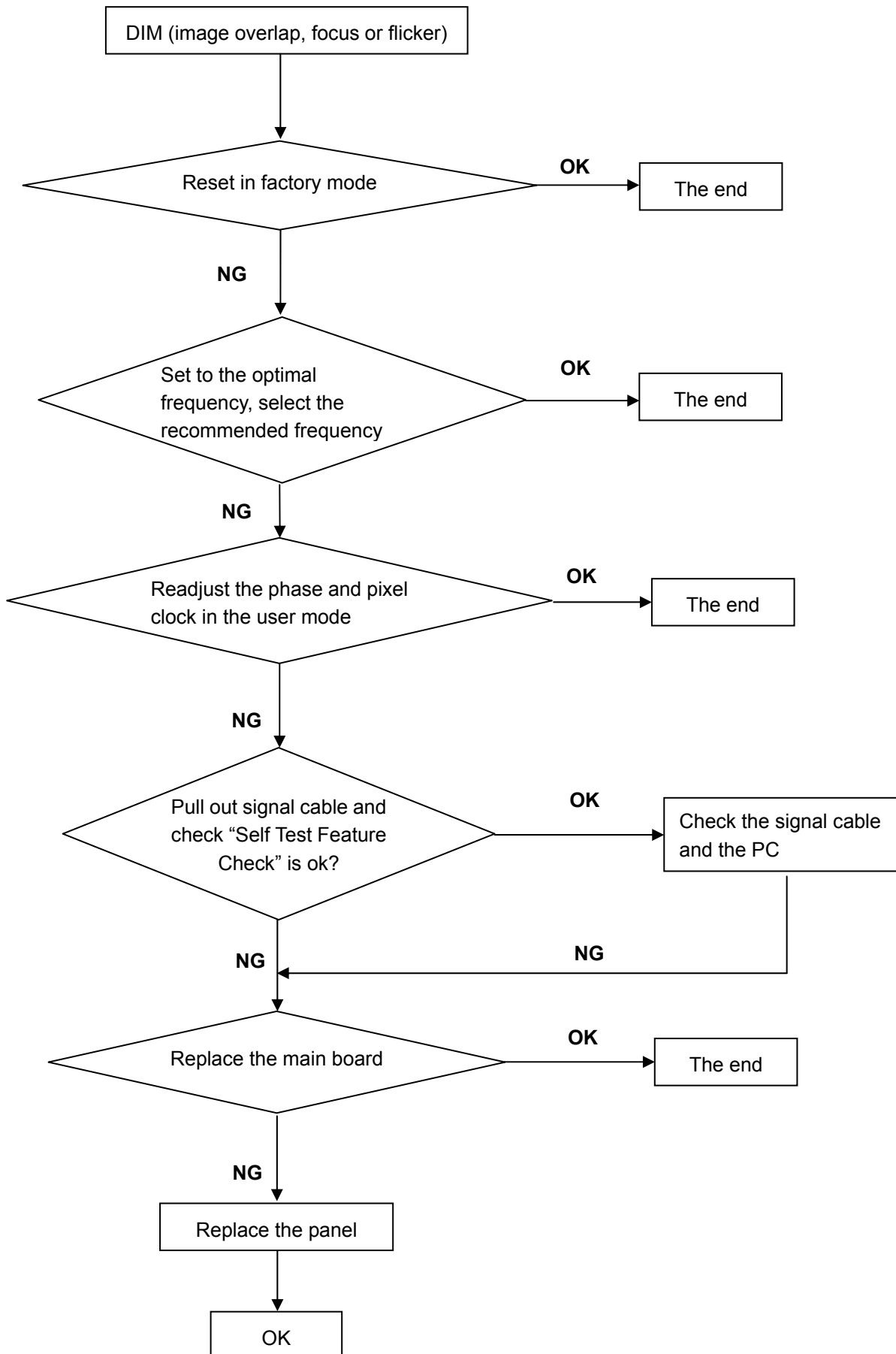
No Power



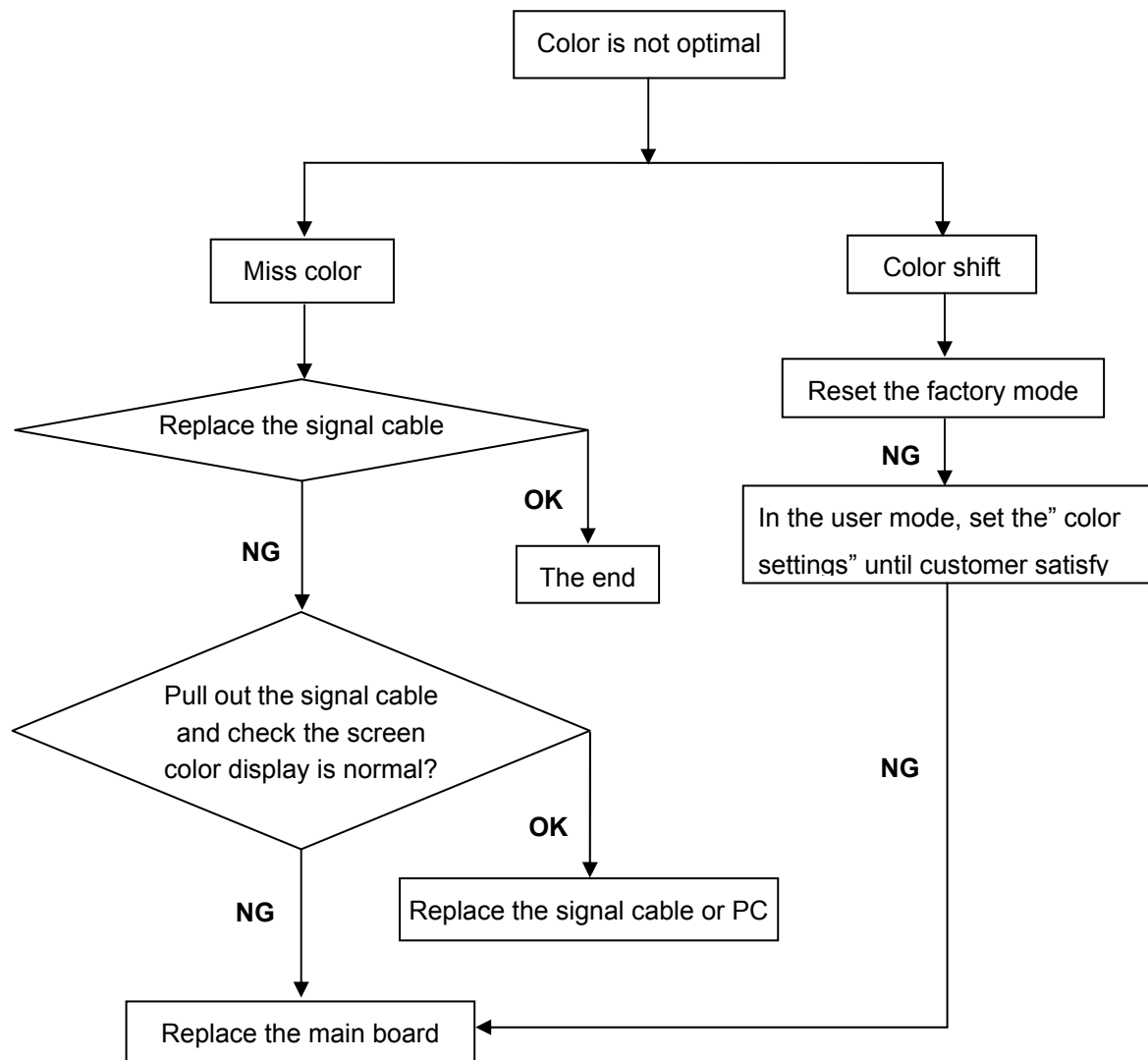
No Video (Power LED Blue)



DIM



Color is not optimal



9. White- Balance, Luminance Adjustment

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

Setting the color temp.

A. MEM.CHANNEL 3 Warm color (6500K):

Warm color temp. parameter is $x = 313 \pm 30$, $y = 329 \pm 30$, $Y > 150 \text{cd/m}^2$

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

Normal color temp. parameter is $x = 302 \pm 30$, $y = 318 \pm 30$, $Y > 150 \text{cd/m}^2$

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

Cool color temp. parameter is $x = 283 \pm 30$, $y = 297 \pm 30$, $Y > 130 \text{cd/m}^2$

D. MEM.CHANNEL 10 (sRGB color):

sRGB color temp. parameter is $x = 313 \pm 30$, $y = 329 \pm 30$, $Y > 150 \text{cd/m}^2$

Enter into Factory mode of AOC e1621Sw:

Press the MENU button, pull out the power cord, and then plug the power cord. You will enter into factory mode.

Bias adjustment:

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

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 $x = 313 \pm 30$, $y = 329 \pm 30$, $Y > 150 \text{cd/m}^2$
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 $=100 \pm 2$

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 $x = 302 \pm 30$, $y = 318 \pm 30$, $Y > 150 \text{cd/m}^2$
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 $=100 \pm 2$

C. Adjust Cool (9300K) color-temperature

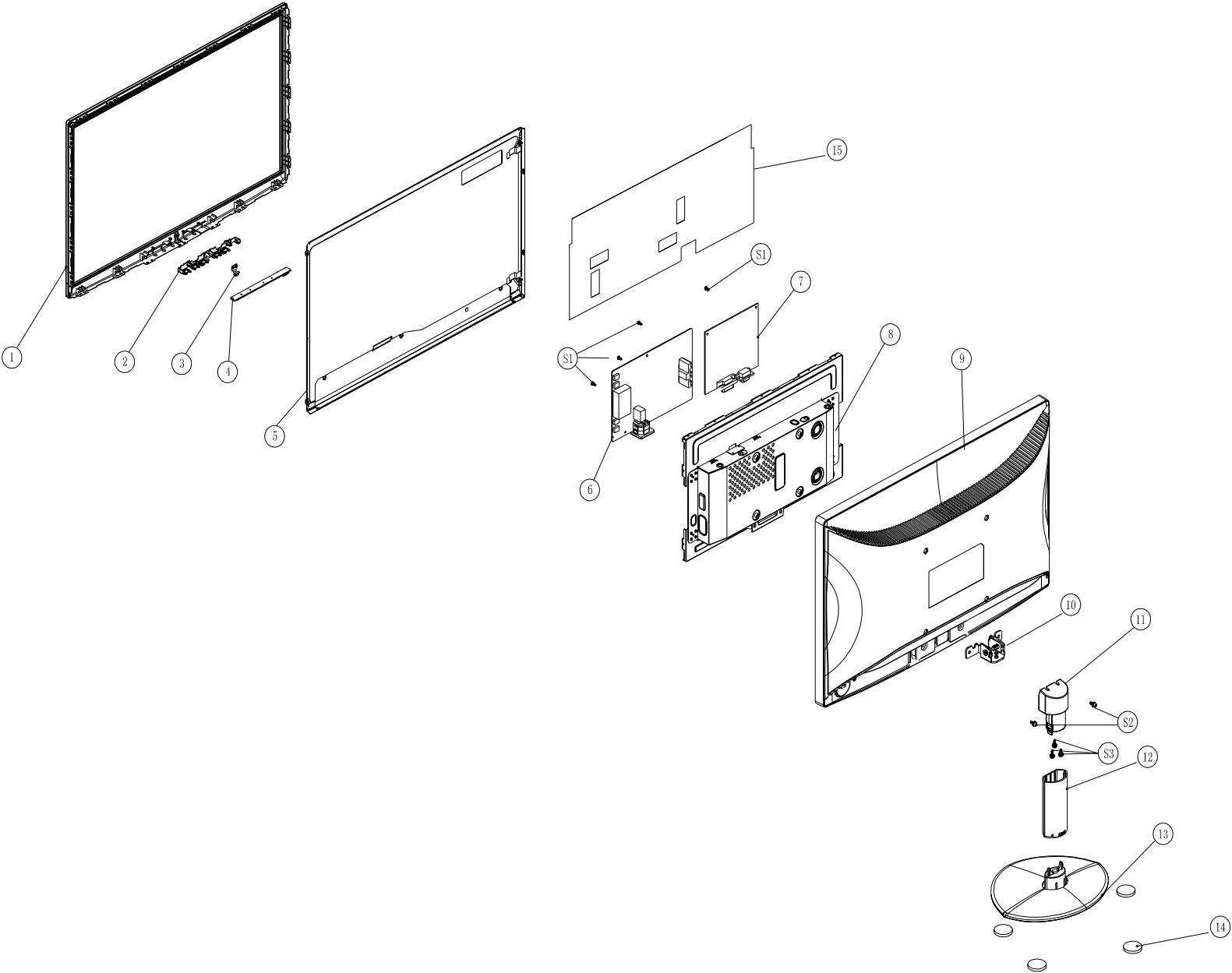
1. Switch the Chroma-7120 to **RGB-Mode** (with press "MODE" button)
2. Switch the MEM. Channel to Channel 9 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show $x = 283 \pm 30$, $y = 297 \pm 30$, $Y > 130 \text{cd/m}^2$
4. Adjust the RED on factory window until chroma 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 $x = 313 \pm 30$, $y = 329 \pm 30$, $Y > 150 \text{cd/m}^2$
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 of 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



No.	Description	No.	Description
1	BEZEL	9	REAR COVER
2	KEY FUNTION	10	HINGE 15.6
3	LENS POWER	11	STAND COVER
4	KEY BOARD	12	STAND
5	PANEL	13	BASE
6	POWER BOARD	14	FOOT
7	MAIN BOARD	15	INSULATING SHEET
8	MAIN_FRAME		

No.	Part No.	Quantity	Description
S1	0G1G1030 6120	4	SCREW M3X6 (FOR MB&PB/ MAIN_FRAME)
S2	AM1G1740 12 47 CR3	2	SCREW (FOR REAR COVER/HINGE)
S3	AM1G1740 10 47 CR3	3	SCREW (FOR STAND COVER / HINGE)

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.

T6BCSR2QW1E6NN

Location	Part No.	Description	Remark
	052G 2191 A	PAPER TAPE	
	052G6019 1	INSULATING TAPE	
E08902	089G 725CAADBBD	D-SUB CABLE 1500MM	2nd source
E08902	089G 725HAADBBD	D-SUB CABLE 1500MM	
E08901	089G402A15N CX	AC POWER CORD 1500MM	2nd source
E08901	089G402A15N IS	AC POWER CORD 1500MM	2nd source
E08901	089G402A15N JR	AC POWER CORD 1500MM	
E09503	095G176J40N504	FFC CABLE 40PIN 560mm P0.5MM	
E09503	095G176W40N504	FFC CABLE 40PIN 560mm P0.5MM	2nd source
E09501	095G8013 9W505	HARNESS 9P-10P+9P(H2506) 240/120	
E09501	095G8013 9X505	HARNESS 9P-10P+9P(H2506) 240/120	2nd source
E09502	095G8014 6WJ16	HARNESS 6P(A2008H)-6P(A1253HA) 100MM	2nd source
E09502	095G8014 6XJ16	HARNESS 6P(A2008H)-6P(A1253HA) 100MM	
	707GQA12005	EMI ASS'Y	
	052G 1211 B	CONDUCTIVE TAPE 85mm *40mm *0.09mm	
	708G6014 CP	AOC 40(3402)	
	Q45G 77 5	PE PACKING (Y1900241)	
	Q50G 4 10	TIE (Y1900221)	
	Q52G 1185 99	TAPE	
E750	750NBC156WB112N000	LCD CLAA156WB11A 600 WJ CPT	2nd source
E750	750NBC156WB113N000	LCD CLAA156WB11A 600 FZ CPT	2nd source
E750	750NBC156WB122N000	LCD CLAA156WB11A 635 WJ CPT	
E750	750NBC156WB123N000	LCD CLAA156WB11A 635 FZ CPT	2nd source
	756GQBCB AA004 00	MAIN BOARD-CBPCBSRA1QR	
U402	056G2233501	FLASH MX25L2026DM1I-12G 2Mb SOP-8	
SMTCB-U402	100GAMC6001YT1	MCU ASS'Y-056G2233501	
	801GQAEE558	L156WA-TS1-TSS1-ASS"Y	
	0G1G1030 6120	SCREW	
	AM1G1740 10 47 CR3	SCREW	
	Q12G6600 6	FOOT	
	Q15G1068301	MAIN_FRAME	
M037	Q37G0187012	HINGE 15.6	
	Q52G1801MNT068B000	INSULATING SHEET	
M037	SQ37G0187012	HINGE ASS'Y	
	015F0187120	ALUMINOUS	

	015F018711R	BRACKET	
	015F018711L	BRACKET	
	004F0611051 00	WASHER	
	004F0610051 01	WASHER	
	004F061110T 01	WASHER	
	004F061110M 00	WASHER	
	028F0616070	SHAFT	
	002F0604100 00	NUTS	
	0M1F3050106	SCREW	
	802GQA34090	L156WA-TS1-TSS1-STAND-ASS"Y	
	AM1G1740 12 47 CR3	SCREW	
	Q34G7134AED 1B0100	STAND COVER	
	Q34G7135AED 1S0100	STAND	
	803GQA44138	L156WA-TS1-TSS1-EPS-ASS"Y	
	Q44G6014101	CUSHION EPS	
	Q44G6014201	EPS	
	A33G0740AED 1B0100	KEY FUNCTION	
	A33G0741 2 1C0100	LENS POWER	
	Q34G7132AEDB5B0103	BEZEL	
	Q34G7133AED 5S0100	REAR COVER	
	Q34G7136AED 1S0130	BASE	
	Q40G 15N61568A	RATING LABEL	
	Q40G000267351A	SA SERVICE LABEL	
	Q40G000362416B	WIN7+GOLD EPEAT+EPA(59X15mm)	
	Q41G78S161536A	e1621Sw QSG	
	Q44G6014615 1B	CARTON FOR e1621Sw	
	Q45G 88609201	EPE BAG	
	Q70G16C1615 8B	e1621Sw CD MANUAL	
	041G780061513B	INPUT NOT SUPPORT CARD	
	041G780061545B	WARRANTY BOOKLET	
	Q41G780A61510A	WARRANTY CARD SA(SPANISH)	
	Q41G780A61511C	SA CENTER LIST	
	Q45G 76 28 C R	PE BAG FOR MANUAL	
	040G 58162435A	PN LABEL FOR MANUAL PE Bag	
	Q26G 800504 2B	BARCODE LABEL FOR 3	
	Q40G000161515A	CARTON LABEL	
CN408	033G3802 6B Y	CONN 6PIN 2.0	
CN404	033G3802 9B Y	CONNECTOR 9P 2.0	
R480	061G152M229 64 SY	RST MOFR 2.2 OHM +-5% 2WS FUTABA	
CN101	088G 35315F HD	D-SUB CONN 15P BLUE - R/A	

CN101	088G 35315F XH	D-SUB 15PIN VERTICAL CONN WITH SCREW	2nd source
X401	093G 22 53 J	CRYSTAL 14.31818MHZ/32PF49US	2nd source
X401	093G 22 53 YC	Crystal 14.31818MHz/32PF 49U/S YC	
	709G4734 QM001	CONSUMPTIVE ASS'Y	
	055G 23524	WELDING FLUX WITHOUT PB	
C423	067G 3051013PB	EC 105C 100uF M 16V 5*11mm	
C426	067G 3051013PB	EC 105C 100uF M 16V 5*11mm	
C427	067G 3051013PB	EC 105C 100uF M 16V 5*11mm	
C421	067G 3152207KB	EC 22uF M 50V 5*11mm EG	
C410	067G 5151007KB	EC 10UF 20% 50V 5*11 EY	
	709G4734 QA001	CONSUMPTIVE ASS'Y	
U401	056G 562383	SCALER Tsumu18pwr-LF LQFP-64	
U404	056G 563 80	LDO AP1084D33G-13 5A 3.3V	
U103	056G 662 48	ESD PROTECT AZC399-04S.R7G SOT23-6L	
U102	056G 662 48	ESD PROTECT AZC399-04S.R7G SOT23-6L	
U405	056G1133 34	EEPROM M24C02-WMN6TP 2Kb SO-8	
U402	056G2233501	FLASH MX25L2026DM1I-12G 2Mb SOP-8	
Q404	057G 417 6	PMBS3906/PHILIPS-SMT(06)	
Q406	057G 417511	MMBT3904	
Q403	057G 417517	TRA LMBT3906LT1G -200mA/-40V SOT-23 LRC	
Q402	057G 417517	TRA LMBT3906LT1G -200mA/-40V SOT-23 LRC	
Q406	057G 417518	TRA LMBT3904LT1G 200mA/40V SOT-23 LRC	
Q407	057G 417518	TRA LMBT3904LT1G 200mA/40V SOT-23 LRC	
Q409	057G 417527	SMALLTRAN MMBT2907A -0.6 -60V SOT-23	
Q410	057G 417527	SMALLTRAN MMBT2907A -0.6 -60V SOT-23	
Q405	057G 763 1	MOSFET A03401 4.2A 30V SOT-23	
Q405	057G 763535	MOSFET LP3401LT1G -4.2A -30V SOT-23	
R487	061G0402000 FF	RST CHIPR MAX0R01 1/16W FENGHUA	
R483	061G0402000 FF	RST CHIPR MAX0R01 1/16W FENGHUA	
R482	061G0402000 FF	RST CHIPR MAX0R01 1/16W FENGHUA	
R471	061G0402000 FF	RST CHIPR MAX0R01 1/16W FENGHUA	
R470	061G0402000 FF	RST CHIPR MAX0R01 1/16W FENGHUA	
R467	061G0402000 FF	RST CHIPR MAX0R01 1/16W FENGHUA	
R402	061G0402000 FF	RST CHIPR MAX0R01 1/16W FENGHUA	
R401	061G0402000 FF	RST CHIPR MAX0R01 1/16W FENGHUA	
R487	061G0402000 JF	RST CHIPR MAX0R05 1/16W FENGHUA	
R483	061G0402000 JF	RST CHIPR MAX0R05 1/16W FENGHUA	
R482	061G0402000 JF	RST CHIPR MAX0R05 1/16W FENGHUA	
R471	061G0402000 JF	RST CHIPR MAX0R05 1/16W FENGHUA	
R470	061G0402000 JF	RST CHIPR MAX0R05 1/16W FENGHUA	

R467	061G0402000 JF	RST CHIPR MAX0R05 1/16W FENGHUA	
R402	061G0402000 JF	RST CHIPR MAX0R05 1/16W FENGHUA	
R401	061G0402000 JF	RST CHIPR MAX0R05 1/16W FENGHUA	
R412	061G0402101 JF	RST CHIPR 100 OHM +-5% 1/16W FENGHUA	
R413	061G0402101 JF	RST CHIPR 100 OHM +-5% 1/16W FENGHUA	
R420	061G0402101 JF	RST CHIPR 100 OHM +-5% 1/16W FENGHUA	
R442	061G0402101 JF	RST CHIPR 100 OHM +-5% 1/16W FENGHUA	
R411	061G0402101 JF	RST CHIPR 100 OHM +-5% 1/16W FENGHUA	
R405	061G0402101 JF	RST CHIPR 100 OHM +-5% 1/16W FENGHUA	
R117	061G0402101 JF	RST CHIPR 100 OHM +-5% 1/16W FENGHUA	
R115	061G0402101 JF	RST CHIPR 100 OHM +-5% 1/16W FENGHUA	
R114	061G0402101 JF	RST CHIPR 100 OHM +-5% 1/16W FENGHUA	
R111	061G0402101 JF	RST CHIPR 100 OHM +-5% 1/16W FENGHUA	
R108	061G0402101 JF	RST CHIPR 100 OHM +-5% 1/16W FENGHUA	
R104	061G0402101 JF	RST CHIPR 100 OHM +-5% 1/16W FENGHUA	
R103	061G0402101 JF	RST CHIPR 100 OHM +-5% 1/16W FENGHUA	
R102	061G0402101 JF	RST CHIPR 100 OHM +-5% 1/16W FENGHUA	
R114	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R115	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R117	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R405	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R411	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R412	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R413	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R420	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R442	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R111	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R108	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R104	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R103	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R102	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R469	061G0402102 JF	RST CHIPR 1KOHM +-5% 1/16W FENGHUA	
R462	061G0402102 JF	RST CHIPR 1KOHM +-5% 1/16W FENGHUA	
R461	061G0402102 JF	RST CHIPR 1KOHM +-5% 1/16W FENGHUA	
R441	061G0402102 JF	RST CHIPR 1KOHM +-5% 1/16W FENGHUA	
R441	061G0402102 JI	RST 0402 1K 5% 1/16W TA-I	
R461	061G0402102 JI	RST 0402 1K 5% 1/16W TA-I	
R462	061G0402102 JI	RST 0402 1K 5% 1/16W TA-I	
R469	061G0402102 JI	RST 0402 1K 5% 1/16W TA-I	
R439	061G0402103 JF	RST CHIPR 10KOHM +-5% 1/16W FENGHUA	

R437	061G0402103 JF	RST CHIPR 10KOHM +-5% 1/16W FENGHUA	
R433	061G0402103 JF	RST CHIPR 10KOHM +-5% 1/16W FENGHUA	
R417	061G0402103 JF	RST CHIPR 10KOHM +-5% 1/16W FENGHUA	
R414	061G0402103 JF	RST CHIPR 10KOHM +-5% 1/16W FENGHUA	
R408	061G0402103 JF	RST CHIPR 10KOHM +-5% 1/16W FENGHUA	
R407	061G0402103 JF	RST CHIPR 10KOHM +-5% 1/16W FENGHUA	
R118	061G0402103 JF	RST CHIPR 10KOHM +-5% 1/16W FENGHUA	
R439	061G0402103 JI	TEST ONLY RST 0402 10K 5% 1/16W TA-I	
R437	061G0402103 JI	TEST ONLY RST 0402 10K 5% 1/16W TA-I	
R433	061G0402103 JI	TEST ONLY RST 0402 10K 5% 1/16W TA-I	
R417	061G0402103 JI	TEST ONLY RST 0402 10K 5% 1/16W TA-I	
R414	061G0402103 JI	TEST ONLY RST 0402 10K 5% 1/16W TA-I	
R408	061G0402103 JI	TEST ONLY RST 0402 10K 5% 1/16W TA-I	
R407	061G0402103 JI	TEST ONLY RST 0402 10K 5% 1/16W TA-I	
R118	061G0402103 JI	TEST ONLY RST 0402 10K 5% 1/16W TA-I	
R436	061G0402104 JF	RST CHIPR 100KOHM +-5% 1/16W FENGHUA	
R436	061G0402104 JT	RST CHIP 100K 1/16W 5% TZAI YUAN	
R468	061G0402201 JF	RST CHIPR 200 OHM +-5% 1/16W FENGHUA	
R468	061G0402201 JI	RST 0402 200R 5% 1/16W	
R466	061G0402202 JF	RST CHIPR 2KOHM +-5% 1/16W FENGHUA	
R464	061G0402202 JF	RST CHIPR 2KOHM +-5% 1/16W FENGHUA	
R463	061G0402202 JF	RST CHIPR 2KOHM +-5% 1/16W FENGHUA	
R466	061G0402202 JT	RST CHIP 2K 1/16W 5% TZAI YUAN	
R464	061G0402202 JT	RST CHIP 2K 1/16W 5% TZAI YUAN	
R463	061G0402202 JT	RST CHIP 2K 1/16W 5% TZAI YUAN	
R106	061G0402222 JF	RST CHIPR 2.2KOHM +-5% 1/16W FENGHUA	
R105	061G0402222 JF	RST CHIPR 2.2KOHM +-5% 1/16W FENGHUA	
R105	061G0402222 JY	RST CHIPR 2.2KOHM +-5% 1/16W YAGEO	
R106	061G0402222 JY	RST CHIPR 2.2KOHM +-5% 1/16W YAGEO	
R456	061G0402330 JF	RST CHIPR 33 OHM +-5% 1/16W FENGHUA	
R457	061G0402330 JF	RST CHIPR 33 OHM +-5% 1/16W FENGHUA	
R456	061G0402330 JY	RST CHIPR 33 OHM £«-5£¥ 1/16W YAGEO	
R457	061G0402330 JY	RST CHIPR 33 OHM £«-5£¥ 1/16W YAGEO	
R403	061G04023900FF	RST CHIPR 390 OHM +-1% 1/16W FENGHUA	
R109	061G04023900FF	RST CHIPR 390 OHM +-1% 1/16W FENGHUA	
R403	061G04023900FI	TEST ONLY RST 0402 390R 1% 1/16W TA-I	
R109	061G04023900FI	TEST ONLY RST 0402 390R 1% 1/16W TA-I	
R421	061G04023901FF	RST CHIPR 3.9KOHM +-1% 1/16W FENGHUA	
R427	061G04023901FF	RST CHIPR 3.9KOHM +-1% 1/16W FENGHUA	
R428	061G04023901FF	RST CHIPR 3.9KOHM +-1% 1/16W FENGHUA	

R428	061G04023901FT	RST 0402 3.9K 1% 1/16W TZAI YUAN	
R427	061G04023901FT	RST 0402 3.9K 1% 1/16W TZAI YUAN	
R421	061G04023901FT	RST 0402 3.9K 1% 1/16W TZAI YUAN	
R410	061G0402392 JF	RST CHIPR 3.9KOHM +-5% 1/16W FENGHUA	
R410	061G0402392 JI	TEST ONLY RST 0402 3.9K 5% 1/16W TA-I	
R410	061G0402392 JT	RST CHIP R 3K9 +/-5% 1/16W TZAI YUAN	
R476	061G0402470 JF	RST CHIPR 47 OHM 5% 1/16W FENGHUA	
R475	061G0402470 JF	RST CHIPR 47 OHM 5% 1/16W FENGHUA	
R476	061G0402470 JT	RST CHIP 47R 1/16W 5% TZAI YUAN	
R475	061G0402470 JT	RST CHIP 47R 1/16W 5% TZAI YUAN	
R123	061G0402472 JF	RST CHIPR 4.7KOHM +-5% 1/16W FENGHUA	
R435	061G0402472 JF	RST CHIPR 4.7KOHM +-5% 1/16W FENGHUA	
R440	061G0402472 JF	RST CHIPR 4.7KOHM +-5% 1/16W FENGHUA	
R472	061G0402472 JF	RST CHIPR 4.7KOHM +-5% 1/16W FENGHUA	
R473	061G0402472 JF	RST CHIPR 4.7KOHM +-5% 1/16W FENGHUA	
R474	061G0402472 JF	RST CHIPR 4.7KOHM +-5% 1/16W FENGHUA	
R474	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R473	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R472	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R440	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R435	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R123	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R107	061G0402750 JF	RST CHIPR 75 OHM +-5% 1/16W FENGHUA	
R112	061G0402750 JF	RST CHIPR 75 OHM +-5% 1/16W FENGHUA	
R116	061G0402750 JF	RST CHIPR 75 OHM +-5% 1/16W FENGHUA	
R116	061G0402750 JI	TEST ONLY RST 0402 75R 5% 1/16W TA-I	
R112	061G0402750 JI	TEST ONLY RST 0402 75R 5% 1/16W TA-I	
R107	061G0402750 JI	TEST ONLY RST 0402 75R 5% 1/16W TA-I	
R101	061G0603000 FF	RST CHIPR MAX0R01 1/10W FENGHUA	
R101	061G0603000 JF	RST CHIPR MAX 0R05 1/10W FENGHUA	
R486	061G1206000 JF	RST CHIPR MAX0R05 1/4W FENGHUA	
R486	061G1206000 JI	RST 1206 MAX0R05 5% 1/4W	
R486	061G1206000 JI	RST 1206 MAX0R05 5% 1/4W	
R477	061G1206221 JF	RST CHIPR 220 OHM +-5% 1/4W FENGHUA	
R434	061G1206221 JF	RST CHIPR 220 OHM +-5% 1/4W FENGHUA	
R434	061G1206221 JI	RST 1206 220R 5% 1/4W	
R477	061G1206221 JI	RST 1206 220R 5% 1/4W	
C428	065G040210412K T	CAP CHIP 0402 100nF 16V X7R	
C432	065G040210412K T	CAP CHIP 0402 100nF 16V X7R	
C422	065G040210412K T	CAP CHIP 0402 100nF 16V X7R	

C420	065G040210412K	T	CAP CHIP 0402 100nF 16V X7R	
C419	065G040210412K	T	CAP CHIP 0402 100nF 16V X7R	
C417	065G040210412K	T	CAP CHIP 0402 100nF 16V X7R	
C416	065G040210412K	T	CAP CHIP 0402 100nF 16V X7R	
C407	065G040210412K	T	CAP CHIP 0402 100nF 16V X7R	
C406	065G040210412K	T	CAP CHIP 0402 100nF 16V X7R	
C404	065G040210412K	T	CAP CHIP 0402 100nF 16V X7R	
C403	065G040210412K	T	CAP CHIP 0402 100nF 16V X7R	
C401	065G040210412K	T	CAP CHIP 0402 100nF 16V X7R	
C407	065G040210412K	Y	CAP 0402 100NF 10% 16V X7R	
C416	065G040210412K	Y	CAP 0402 100NF 10% 16V X7R	
C417	065G040210412K	Y	CAP 0402 100NF 10% 16V X7R	
C419	065G040210412K	Y	CAP 0402 100NF 10% 16V X7R	
C420	065G040210412K	Y	CAP 0402 100NF 10% 16V X7R	
C422	065G040210412K	Y	CAP 0402 100NF 10% 16V X7R	
C428	065G040210412K	Y	CAP 0402 100NF 10% 16V X7R	
C432	065G040210412K	Y	CAP 0402 100NF 10% 16V X7R	
C406	065G040210412K	Y	CAP 0402 100NF 10% 16V X7R	
C404	065G040210412K	Y	CAP 0402 100NF 10% 16V X7R	
C403	065G040210412K	Y	CAP 0402 100NF 10% 16V X7R	
C401	065G040210412K	Y	CAP 0402 100NF 10% 16V X7R	
C102	065G040222031J	T	CAP CHIP 0402 22pF J 50V NPO	
C103	065G040222031J	T	CAP CHIP 0402 22pF J 50V NPO	
C103	065G040222031J	Y	CAP CHIP 0402 22P 50V NP0 +/-5%	
C102	065G040222031J	Y	CAP CHIP 0402 22P 50V NP0 +/-5%	
C434	065G040222417Z	T	CAP CHIP 0402 0.22UF 16V Y5V	
C434	065G040222417Z	Y	NO-SUGGEST 0402 220nF 16V Y5V	
C408	065G0402224A5K	A	CAP 0402 220nF K 10V X5R	
C408	065G0402224A5K	Y	CAP CHIP 0402 220N 10V X5R +/-10%	
C412	065G040227031J	A	CAP 0402 27PF 5% 50V NP0	
C411	065G040227031J	A	CAP 0402 27PF 5% 50V NP0	
C412	065G040227031J	Y	CAP CHIP 0402 27P 50V NP0 +/-5%	
C411	065G040227031J	Y	CAP CHIP 0402 27P 50V NP0 +/-5%	
C113	065G040247312K	A	CAP 0402 47NF 10% 16V X7R	
C110	065G040247312K	A	CAP 0402 47NF 10% 16V X7R	
C109	065G040247312K	A	CAP 0402 47NF 10% 16V X7R	
C107	065G040247312K	A	CAP 0402 47NF 10% 16V X7R	
C106	065G040247312K	A	CAP 0402 47NF 10% 16V X7R	
C105	065G040247312K	A	CAP 0402 47NF 10% 16V X7R	
C101	065G040247312K	A	CAP 0402 47NF 10% 16V X7R	

C107	065G040247312K T	CAP 0402 47NF 10% 16V X7R	
C109	065G040247312K T	CAP 0402 47NF 10% 16V X7R	
C110	065G040247312K T	CAP 0402 47NF 10% 16V X7R	
C113	065G040247312K T	CAP 0402 47NF 10% 16V X7R	
C106	065G040247312K T	CAP 0402 47NF 10% 16V X7R	
C105	065G040247312K T	CAP 0402 47NF 10% 16V X7R	
C101	065G040247312K T	CAP 0402 47NF 10% 16V X7R	
C104	065G040250931J T	NO-SUGGEST CAP CHIP 0402 5pF 50V NPO	
C108	065G040250931J T	NO-SUGGEST CAP CHIP 0402 5pF 50V NPO	
C111	065G040250931J T	NO-SUGGEST CAP CHIP 0402 5pF 50V NPO	
C111	065G040250931J Y	NO-SUGGEST 0402 5PF 50V NPO	
C108	065G040250931J Y	NO-SUGGEST 0402 5PF 50V NPO	
C104	065G040250931J Y	NO-SUGGEST 0402 5PF 50V NPO	
FB402	071G 56K121 M	CHIP BEAD 120OHM 6A MGLB2012-120T-LF	
FB401	071G 56V301 TA	CHIP BD 0805 300R/700mA FCM2012VF-301T07	
FB103	071G 59K190 TA	CHIP BEAD 0603 19R 25% FCB1608KF-190T05	
FB102	071G 59K190 TA	CHIP BEAD 0603 19R 25% FCB1608KF-190T05	
FB101	071G 59K190 TA	CHIP BEAD 0603 19R 25% FCB1608KF-190T05	
D403	093G 64 42 P	BAV70 SOT23 BY PAN JIT	
ZD103	093G 39GA01 T	RLZ5.6B	
ZD104	093G 39GA01 T	RLZ5.6B	
D402	093G3004 3	SM340A	
CN403	311GF050B40ADH	FFC CONN 0.5mm 40P	
	709G4734 QS001	CONSUMPTIVE ASS'Y	
	Q52G6026 6	MESH PRINTTING PAPER	
	052G 2191 A	PAPER TAPE	
	715G4734M01000004I	MAIN PCB FR4 DS 57*70*1.6MM	
	H40G 45762429A	LABEL	
	Q90G6332 1	HEAT SINK	FOR U404
	KEPC9QHL	KEY BOARD	
SW001	077G 500 5J XL	DOME SWITCH 5PCS	
CN001	033G8032 6F X	WAFER 6P 1.25MM	
CN001	033G8032 6F HR	CONNECTOR 6P 1.25	2nd source
R003	061G0603000 JI	RST 0603 0.05R MAX 1/10W TA-I	
R003	061G0603000 JT	RST CHIP MAX 0R05 1/10W TZAI YUAN	
R005	061G0603102 JI	TEST ONLY RST 0603 1K 5% 1/10W TA-I	
R002	061G0603202 JI	RST 0603 2K 5% 1/16W TA-I	
R004	061G0603202 JI	RST 0603 2K 5% 1/16W TA-I	
R004	061G0603202 JT	RST 0603 2K 5% 1/10W	
R002	061G0603202 JT	RST 0603 2K 5% 1/10W	

C003	065G060310432K A	CAP 0603 100NF 10% 50V X7R	
C004	065G060310432K A	CAP 0603 100NF 10% 50V X7R	
C003	065G060310432K F	CAP CHIP 0603 0.1UF K 50V X7R	
C004	065G060310432K F	CAP CHIP 0603 0.1UF K 50V X7R	
LED01	081G 14 12 GP	CHIP LED GPTD1210YBC5-D	
LED01	081G 14 12 KT	CHIP LED	
E715	715G3584K01000004F	KEY PCB FR4 130x11x1.6mm DS	
E715	715G3584K01000004K	KEY PCB FR4 130x11x1.6mm DS	2nd source
R005	061G0603102 JT	RST CHIP 1K 1/10W 5% TZAI YUAN	
	ADPCA1503QWV	POWER BOARD G3189-P02-LED-X-19-101108	
GND1	009G6005 1	GROUND TERMINAL	
GND2	009G6005 1	GROUND TERMINAL	
GND3	009G6005 1	GROUND TERMINAL	
CN902	033G3278 9DK2W AC	WAFER 2.5MM 9P(2P NC) for ACER	
CN902	033G3278 9DK2X AC	WAFER 2.5mm 9P(2P NC) V/T 25mm	
CN903	033G380210B Y L	CONNECTOR 10P 2.0	
CN903	033G380210B Y W	WAFER	
IC902	056G 139 3A	PC123Y22FZOF SHARP	
NR901	061G 58 9T	RST NTCR 10 ohm +-20% 5A THINKING	
C904	063G107K474 6S	0.47UF +-10%	
C904	063G107K474 US	NO-SUGGEST 0.47uF +-10%	
C902	065G306K3312B3	Y1 CAP 330PF K 250VAC CD	
C903	065G306K3312B3	Y1 CAP 330PF K 250VAC CD	
C903	065G306K3312BM	CAP Y1 330PF 10% 250V Y5P	
C902	065G306K3312BM	CAP Y1 330PF 10% 250V Y5P	
C900	065G306M1022BP	CAP Y1 1NF 20% 250V Y5U	
C918	067G 3151007KV	CAP 105C 10UF M 50V	
C907	067G 40Z10115K	CAP 105C 100UF M 450V	
C907	067G 40Z10115L	EC 100uF 450V M 18*36mm	
C912	067G215D1024KV	LOW ESR EC 1000uF 25V M 12.5*20mm	
C914	067G215S4713KV	EC 470UF 20% 16V 10X13	
C914	067G215S4713LV	LOW ESR EC 470uF 16V M 10*12.5mm	
L901	073G 174 65 H2	LINE FILTER 30mH MIN	
L901	073G 174 65 S2	LINE FILTER 30mH MIN	
L902	073G 253 91 H	IND CHOKE 3.5uH+-10% DADONG	
L903	073G 253 91 H	IND CHOKE 3.5uH+-10% DADONG	
L902	073G 253 91 HP	CHOKE COIL 3.5uH VOC	
L903	073G 253 91 HP	CHOKE COIL 3.5uH VOC	
T901	080GL19P 1 H	X'FMR 1.1mH 10% 20uH MAX BCK-12510-HA	
T901	080GL19P 1 L	POWER X'FMR 1.1mH 10% PT-0112045-2	

T901	080GL19P 1 N	X'FMR 1.1mH 10% 20uH MAX YUVA-1208	
CN901	087G 501 32 S	AC SOCKET ST-01CP-BCE-R	2nd source
CN901	087G 501 32 DL	AC SOCKET DIP 3PIN+2PIN GROUND	
BD901	093G 50460 28	BRIDGE DIODE KBP208G LITEON	
BD901	093G 50460502	BRIDGE KBP206G C2	2nd source
D906	093G 60272	RECTIFIER SR540-MK23 5A 40V DO-27	
D904	093G 60272	RECTIFIER SR540-MK23 5A 40V DO-27	
D903	093G 60520	DIODE SR5100-MK23 5A/100V DO-27 SECOS	
D905	093G 60520	DIODE SR5100-MK23 5A/100V DO-27 SECOS	
D904	093G 60923	DIODE SR504-30 DO-201AD	
D906	093G 60923	DIODE SR504-30 DO-201AD	
D903	093G 60924	DIODE SR510-22 DO-201AD	
D905	093G 60924	DIODE SR510-22 DO-201AD	
	705GQ956024	IC901 ASS'Y	
IC901	056G 581 20	IC TOP255EN eSIP-7C	
	0M1G 930 8120	SCREW 3x8	
	Q11G0026 1	WIRE-CLIP	
HS1	Q90G6263 6	HEAT SINK	
R623	061G0603000 JF	RST CHIPR MAX 0R05 1/10W FENGHUA	
R628	061G0603000 JF	RST CHIPR MAX 0R05 1/10W FENGHUA	
R917	061G06031001FT	RST CHIP 1K 1/10W 1%	
R917	061G06031001FY	RST CHIPR 1KOHM +-1% 1/10W YAGEO	
R913	061G06031002FT	RST CHIP 10K 1/10W 1%	
R912	061G0603103 JI	RST 0603 10K 5% 1/10W	
R912	061G0603103 JT	RST CHIP 10K 1/10W 5% TZAI YUAN	
R916	061G0603471 JF	RST CHIPR 470OHM +-5% 1/10W FENGHUA	
R916	061G0603471 JY	RST CHIPR 470 OHM 5% 1/10W YAGEO	
R915	061G06039311FF	RST CHIPR 9.31KOHM +-1% 1/10W FENGHUA	
R915	061G06039311FY	RST CHIPR 9.31KOHM +-1% 1/10W YAGEO	
R923	061G08051002FF	RST CHIPR 10KOHM +-1% 1/8W FENGHUA	
R923	061G08051002FT	RST CHIP 10K 1/8W 1%	
R923	061G08051002FY	RST CHIP 10K 1/8W 1%	
R903	061G08051102FY	RST CHIP 11K 1/8W 1%	
R924	061G0805689 JI	RST CHIPR 6.8 OHM +-5% 1/8W 0805	
R924	061G0805689 JT	RST CHIPR 6.8 OHM +-5% 1/8W 0805	
R925	061G08058202FF	RST CHIPR 82KOHM +-1% 1/8W FENGHUA	
R925	061G08058202FT	RST CHIPR 82K +-1% 1/8W TZAI YUAN	
R927	061G12060004JY	RST CHIPR MAX0R05 4A 1/4W YAGEO	
R910	061G1206101 JT	RST CHIPR 100 OHM +-5% 1/4W TZAI YUAN	
R926	061G1206229 JY	RST 1206 2.2R 5% 1/4W	

R904	061G1206300 JF	RST CHIPR 30 OHM +-5% 1/4W FENGHUA	
R905	061G1206300 JF	RST CHIPR 30 OHM +-5% 1/4W FENGHUA	
R906	061G1206300 JF	RST CHIPR 30 OHM +-5% 1/4W FENGHUA	
R907	061G1206300 JF	RST CHIPR 30 OHM +-5% 1/4W FENGHUA	
R908	061G1206300 JF	RST CHIPR 30 OHM +-5% 1/4W FENGHUA	
R909	061G1206300 JF	RST CHIPR 30 OHM +-5% 1/4W FENGHUA	
R904	061G1206300 JI	RST 30 OHM 5% 1/4W TA-I	
R905	061G1206300 JI	RST 30 OHM 5% 1/4W TA-I	
R906	061G1206300 JI	RST 30 OHM 5% 1/4W TA-I	
R907	061G1206300 JI	RST 30 OHM 5% 1/4W TA-I	
R908	061G1206300 JI	RST 30 OHM 5% 1/4W TA-I	
R909	061G1206300 JI	RST 30 OHM 5% 1/4W TA-I	
R922	061G1206335 JT	RST CHIPR 3.3 MOHM +-5% 1/4W TZAI YUAN	
R921	061G1206335 JT	RST CHIPR 3.3 MOHM +-5% 1/4W TZAI YUAN	
R920	061G1206335 JT	RST CHIPR 3.3 MOHM +-5% 1/4W TZAI YUAN	
R900	061G1206624 JT	RST CHIPR 620 KOHM +-5% 1/4W TZAI YUAN	
R901	061G1206624 JT	RST CHIPR 620 KOHM +-5% 1/4W TZAI YUAN	
R902	061G1206624 JT	RST CHIPR 620 KOHM +-5% 1/4W TZAI YUAN	
C916	065G060310312K Y	CAP CHIP 0603 10NF K 16V X7R	
C905	065G080510432K A	CAP CHIP 0805 0.1UF K 50V X7R	
C905	065G080510432K F	CAP CHIP 0805 0.1UF K 50V X7R	
C915	065G080510432K Y	CAP CHIP 0805 100N 50V X7R +/-10%	
C917	065G080510432K Y	CAP CHIP 0805 100N 50V X7R +/-10%	
C901	065G080582031J Y	CAP CHIP 0805 82P 50V NP0 +/-5%	
C910	065G120622272K Y	CER 1206 2N2 500V X7R 10%	
C911	065G120622272K Y	CER 1206 2N2 500V X7R 10%	
C919	065G120622272K Y	CER 1206 2N2 500V X7R 10%	
C920	065G120622272K Y	CER 1206 2N2 500V X7R 10%	
C920	065G1206222B2K 3	CER 1206 2N2 500V X7R 10%	
C919	065G1206222B2K 3	CER 1206 2N2 500V X7R 10%	
C911	065G1206222B2K 3	CER 1206 2N2 500V X7R 10%	
C910	065G1206222B2K 3	CER 1206 2N2 500V X7R 10%	
C910	065G1206222B2K M	CAP 1206 2.2NF 10% 630V X7R	
C911	065G1206222B2K M	CAP 1206 2.2NF 10% 630V X7R	
C919	065G1206222B2K M	CAP 1206 2.2NF 10% 630V X7R	
C920	065G1206222B2K M	CAP 1206 2.2NF 10% 630V X7R	
CN901	006G 31500	EYELET	
IC903	056G 158 12	Shunt Regulator KIA431A-AT/P TO-92	
Q901	057G 530503 T	2SD1207T	
Q901	057G 761 16	TRA KTD1028 KEC	

R919	061G152M10452T	NO-SUGGEST RST MOFR 100KOHM +-5% 2WS	
R918	061G152M25152T	RST MOFR 250 OHM +-5% 2WS	
C906	065G 2K152 2T6921	CAP CER 1500pF K 2KV Y5P	
C913	067G 2046812KT	CS CAP 680uF 10V 8*11 mm	
C913	067G 2046812LT	CAP CS 680UF 20% 10V 8*11.5	
C908	067G 2154707NT	KY50VB47M-TP5 6.3*11	
C908	067G 2154707RT	47uF +-20% 50V	
FB902	071G 55 9 T	BEAD 3.5*0.8*6.0mm 110R HF	
FB603	071G 55 29	FERRITE BEAD	
F901	084G 55 5	FUSE 2.5A 250V	
F902	084G 56 4 B	FUSE 4A 250V	
ZD902	093G 3916752T	MTZJ T-72 16B	
ZD901	093G 3918252T	ZENER MTZJ T-72 18B 16.82 0.5 DO-34	
ZD902	093G 3954752T	DIODE MTZJ16B SEMTECH	
ZD901	093G 39A0852T	GDZJ18B	
D902	093G 6026T52T	CTIFIER DIODE FR107	
D901	093G 6038T52T	FR103 AO	
J617	095G 90 23	JUMPER WIRE	
J906	095G 90 23	JUMPER WIRE	
J905	095G 90 23	JUMPER WIRE	
J904	095G 90 23	JUMPER WIRE	
J903	095G 90 23	JUMPER WIRE	
J902	095G 90 23	JUMPER WIRE	
J900	095G 90 23	JUMPER WIRE	
J616	095G 90 23	JUMPER WIRE	
J615	095G 90 23	JUMPER WIRE	
J609	095G 90 23	JUMPER WIRE	
J608	095G 90 23	JUMPER WIRE	
J601	095G 90 23	JUMPER WIRE	
E715	715G3189P02LED001M	POWER PCB FR1 SS 152*122*1.6MM	2nd source
E715	715G3189P02LED001S	POWER PCB FR1 SS 152X122*1.6MM	
	H40G 45762429A	LABEL	
T901	S80GL19P1V	XFMR FOR POWER 1.06mH TPV-PT	2nd source