

Service

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Service Manual

Horizontal Frequency
30-83 kHz

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SAFETY NOTICE

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

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

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.)

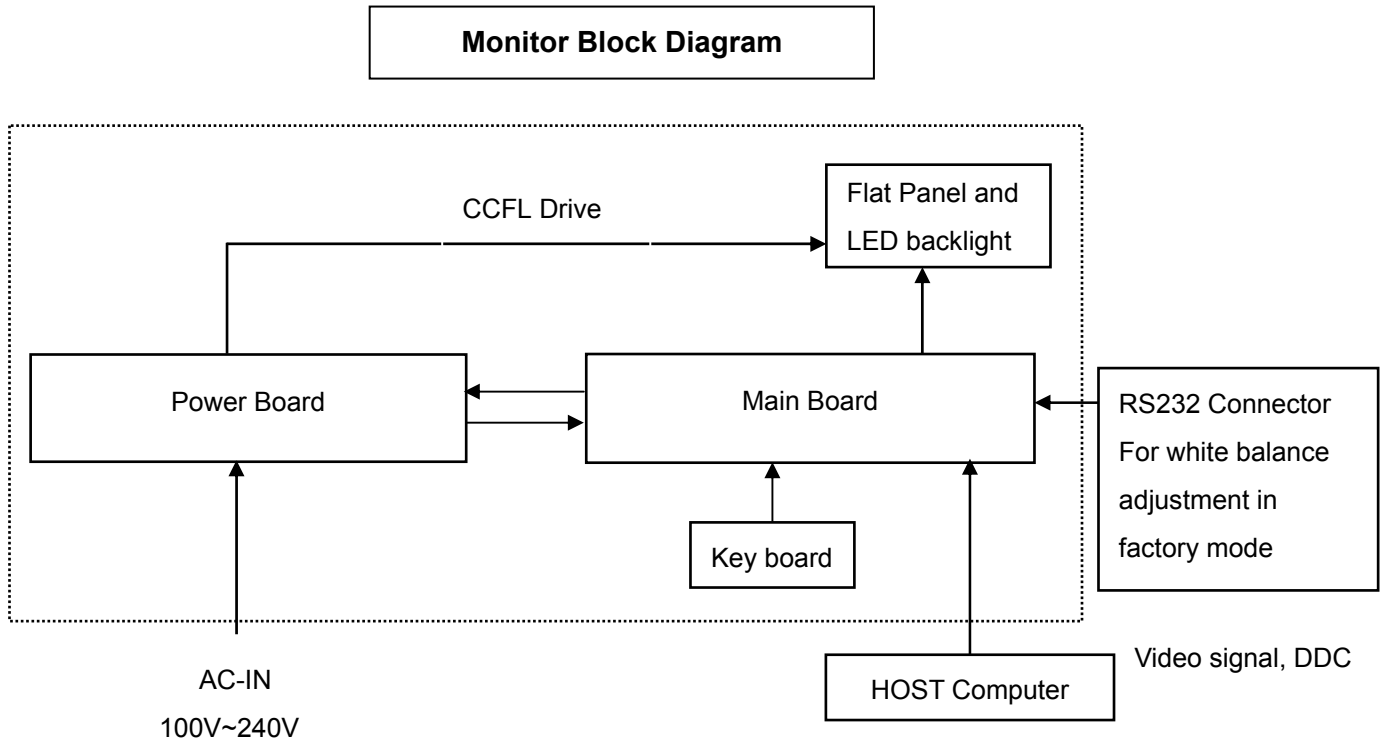
1. Monitor Specification

LCD Panel	Driving system	19.5" TFT Color LCD, With LED Backlight
	Size	50.0cm
	Pixel pitch	0.27mm(H)x0.27mm(V)
Input	Video	R,G,B Analog Interface
	H-Frequency	30KHz – 83KHz
	V-Frequency	50-76Hz
Display Colors		16.7M Colors
Dot Clock		140MHz
Max. Resolution		1600 x 900 @60Hz
Plug & Play		VESA DDC1/2B™
Input Connector		D-Sub 15pin
Input Video Signal		Analog:0.7Vp-p(standard), 75 OHM, Positive
Maximum Screen Size		Horizontal : 432mm Vertical : 239.76mm
Power Source		100-240VAC, 50/60Hz, 1.5A
Environmental Considerations		Operating Temp: 0° to 40°C Storage Temp.: -25° to 55°C Operating Humidity: 10% to 85%
Weight (N. W.)		2.8 kg Unit (net)
Dimension		478mm*360mm*205mm
Power Consumption (Maximum)		18 Watts
Audio Output		NO
Regulatory Compliance		FCC, CE, cTUVus, TCO CERTIFIED,
Pixel criteria		3-3-5 (Bright dot-Dark dot-Total / bright / dark dot)

2. LCD Monitor Description

The LCD Monitor will contain a main board, an adapter 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.



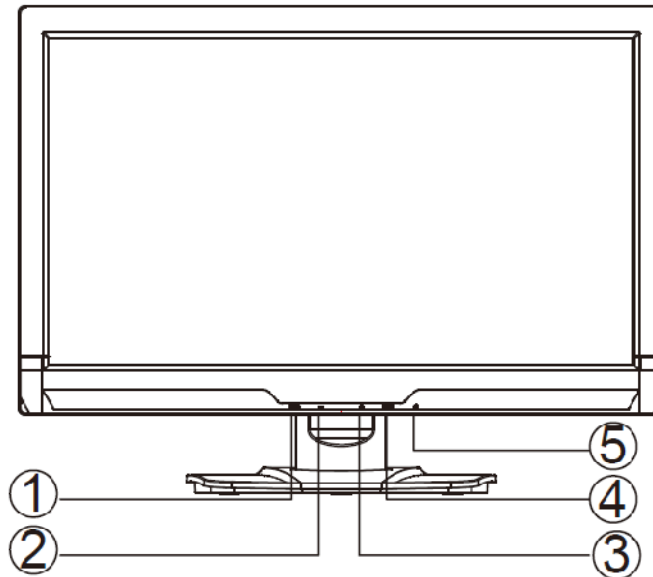
3. Operation Instructions

3.1 General Instructions

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

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

3.2 Control Buttons



EXTERNAL CONTROLS

1.	Auto Adjust button / Exit
2.	- / ECO
3.	Image Ratio/+
4.	MENU / ENTER
5.	Power Button

FRONT PANEL CONTROL

- / **Power Button:**

Press the button to turn on or turn off the monitor.

- **Power Indicator:**

Blue - power On mode.

Orange –Stand by mode

- **MENU / ENTER:**

Activate OSD menu when OSD is OFF or activate/de-activate adjustment function when OSD is ON

- **- /ECO:**

When OSD menu is in off status, press this key continuously to select the different ECO mode. (Eco mode hot key may not be available in all models).

- **Image Ratio/+:**

When OSD menu is in off status, press this key 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 disabled to adjust).

- **Auto Adjust button / Exit:**

1. When OSD menu is in active status, this button will act as EXIT-KEY (EXIT OSD menu).
2. When OSD menu is in off status, press this button to activate the Auto Adjustment function.

The Auto Adjustment function is used to set the HPos, VPos, Clock and Phase.

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.

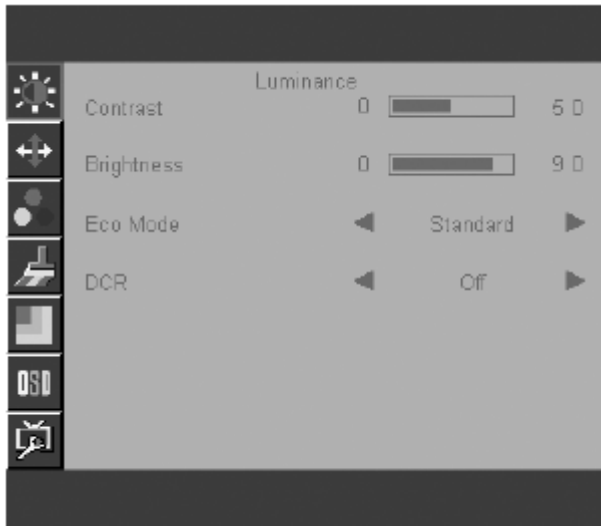
NOTES

- Do not install the monitor in a location near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, or excessive dust or mechanical vibration or shock.
- Save the original shipping carton and packing materials, as they will come in handy if you ever have to ship your monitor.
- For maximum protection, repackage your monitor as it was originally packed at the factory.
- To maintain the cleanness of your LCD display, wipe it periodically with clean and soft cloth. The screen may be damaged by any liquid splash.
- To keep the monitor looking new, periodically clean it with a soft cloth. Stubborn stains may be removed with a cloth lightly dampened with a mild detergent solution. Never use strong solvents such as thinner, benzene, or abrasive cleaners, since these will damage the cabinet. As a safety precaution, always unplug the monitor before cleaning it.
- Do not scratch the screen with hard things, it may cause permanent damage.
- Don't leak liquid into monitor which will result in the damage of component.

3.3 Adjusting the Picture

HOW TO ADJUST A SETTING

1. Press the MENU-button to activate the OSD window.
2. Press - or + to navigate through the functions. Once the desired function is highlighted, press the MENU-button to activate it. If the function selected has a sub-menu, press + or - again 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.
4. To exit and save, select the exit function. If you want to adjust any other function, repeat steps 2-3.



ADJUSTING THE PICTURE

The descriptions for function control

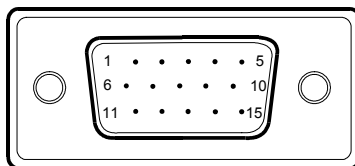
Main Menu Item	Main Menu Icon	Sub Menu Item	Sub Menu	Description
Luminance		Contrast		Contrast from Digital-register
		Brightness		Backlight Adjustment
		Eco Mode	Standard	Standard Mode
			Text	Text Mode
			Internet	Internet Mode
			Game	Game Mode
			Movie	Movie Mode
			Sports	Sports Mode
		DCR	Off	Disable dynamic contrast ratio
			On	Enable dynamic contrast ratio

Image Setup		Clock		Adjust Picture Clock to reduce Vertical-Line noise
		Phase		Adjust Picture Phase to reduce Horizontal-Line noise
		H.Position		Adjust the horizontal position of the picture
		V.Position		Adjust the vertical position of the picture
		Image Ratio		Wide/4:3
Color Temp.		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	User-B	Blue Gain from Digital-register
			User-G	Green Gain Digital-register
			User-R	Red Gain from Digital-register
Color Boost		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		Frame Size		Adjust Frame Size
		Brightness		Adjust Frame Brightness
		Contrast		Adjust Frame Contrast
		H.Position		Adjust the horizontal position of Frame
		V.Position		Adjust the vertical position of Frame
		Bright Frame	on or off	Disable or Enable Bright Frame
OSD Setup		H.Position		Adjust the horizontal position of OSD
		V.Position		Adjust the vertical position of OSD
		Timeout		Adjust the OSD Timeout
		Language		Select the OSD language
Extra		DDC/CI		Turn ON/OFF DDC/CI Support
		Reset		Reset the menu to default
		Information		Show the information of the main image and sub-image source

4. Input/ Output Specification

4.1 Input Signal Connector

D-Sub 15pin Connector



PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1	VGA_R+	9	+5V
2	VGA_G+	10	Ground
3	VGA_B+	11	GND
4	GND	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		

4.2 Factory Preset Display Modes

STANDARD	RESOLUTION	HORIZONTAL	VERTICAL
		FREQUENCY(KHz)	FREQUENCY(Hz)
VGA	640×480 @60Hz	31.469	59.940
	640×480 @67Hz	35	66.667
	640×480 @72Hz	37.861	72.809
MAC-VGA	640×480 @75Hz	37.5	75
	832×624 @75Hz	49.7	75
Dos-mode	720×400 @70Hz	31.469	70.087
SVGA	800×600 @56Hz	35.156	56.250
	800×600 @60Hz	37.879	60.317
	800×600 @72Hz	48.077	72.188
	800×600 @75Hz	46.875	75.000
XGA	1024×768 @60Hz	48.363	60.004
	1024×768 @70Hz	56.476	70.069
	1024×768 @72Hz	57.5	72.074
	1024×768 @75Hz	60.023	75.029
SXGA	1280×1024@60Hz	67.891	60.02
	1280×1024@75Hz	79.976	75.025
WXGA	1600x900 @60Hz	60	60

4.3. Panel Specification

4.3.1 General Features

M195FGE-L20 is a 19.5" TFT Liquid Crystal Display module with WLED Backlight unit and 30 pins 2ch-LVDS interface. This module supports 1600 x 900 HD+ mode and can display up to 16.7M colors. The converter module for Backlight is not built in.

4.3.2 GENERAL SPECIFICATIONS

Item	Specification	Unit	Note
Screen Size	19.5" real diagonal		
Driver Element	a-si TFT active matrix	-	-
Pixel Number	1600 x R.G.B. x 900	pixel	-
Pixel Pitch	0.27 (H) x 0.27 (V)	mm	-
Pixel Arrangement	RGB vertical stripe	-	-
Display Colors	16.7M	color	-
Transmissive Mode	Normally white	-	-
Surface Treatment	AG type, 3H hard coating, Haze 25	-	-
Luminance, White	250	Cd/m2	
Color Gamut	72% of NTSC(Typ.)	-	-
RoHS, Halogen Free & TCO	RoHS, Halogen Free TCO 6.0 compliance		
Power Consumption	Total 14.09 W (Max.) @ cell 5.25W (Max.), BL 8.84W (Max.)		(1)

4.3.3 MECHANICAL SPECIFICATIONS

Item		Min.	Typ.	Max.	Unit	Note
Module Size	Horizontal (H)	451.5	452.0	452.5	mm	(1)
	Vertical (V)	262.5	263.0	263.5	mm	
	Thickness (T)	-	10.5	11	mm	
Bezel Area	Horizontal	434.8	435.3	435.8	mm	
	Vertical	242.56	243.06	243.56	mm	
Active Area	Horizontal	-	432.0	-	mm	
	Vertical	-	239.76	-	mm	
Weight		-	1430	1500	g	

4.3.4 ELECTRICAL CHARACTERISTICS

Ta = 25 ± 2 °C

Parameter	Symbol	Value			Unit	Note
		Min.	Typ.	Max.		
Power Supply Voltage	V _{CC}	4.5	5	5.5	V	-
Ripple Voltage	V _{RP}	-	-	300	mV	-
Rush Current	I _{RUSH}	-	-	3	A	(2)
Power Supply Current	White		0.43	0.48	A	(3)a
	Black		0.77	0.87	A	(3)b
	Vertical Stripe		0.91	1.05	A	(3)c
Power Consumption	PLCD		4.55	5.25	Watt	(4)
LVDS differential input voltage	V _{id}	100	-	600	mV	
LVDS common input voltage	V _{ic}	1.0	1.2	1.4	V	
Logic High Input Voltage	V _{IH}	-	-	0.1	V	
Logic Low Input Voltage	V _{IL}	-0.1	-		V	

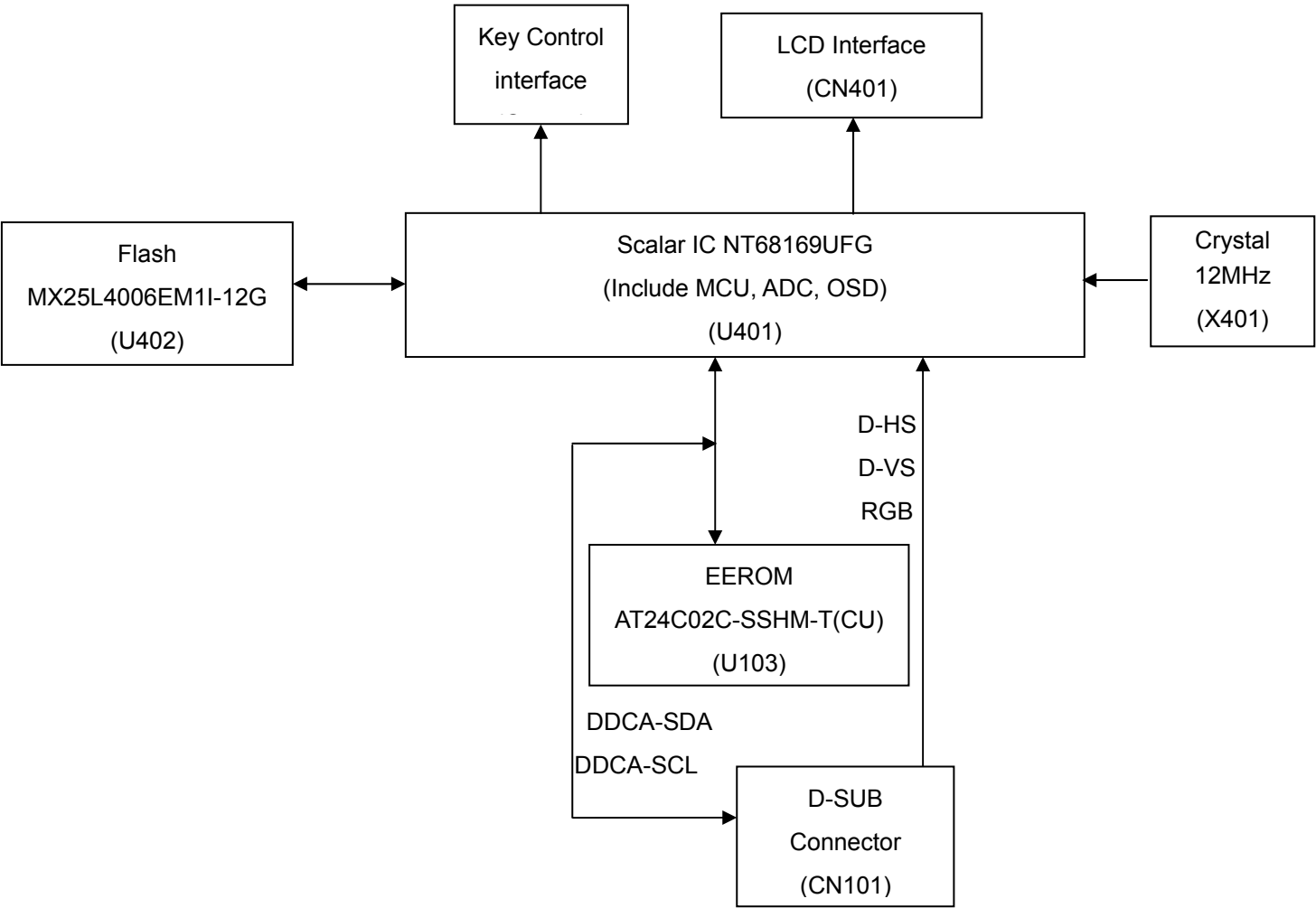
4.3.5 BACKLIGHT UNIT

Ta = 25 ± 2 °C

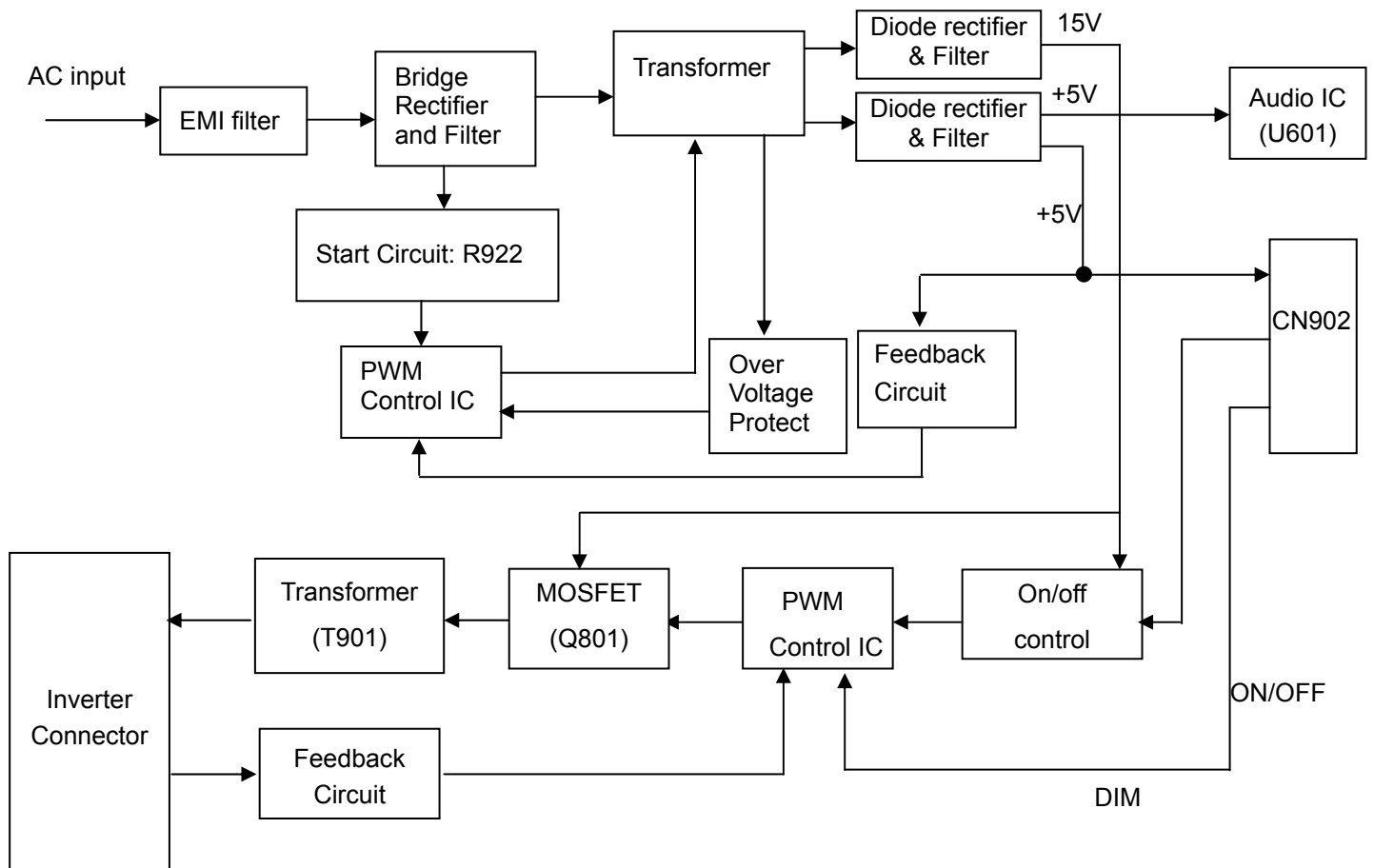
Parameter	Symbol	Value			Unit	Note
		Min.	Typ.	Max.		
LED Light Bar Input Voltage Per Input Pin	V _{PIN}	---	31	34	V	(1), Duty=100%, I _{PIN} =65mA
LED Light Bar Current Per Input Pin	I _{PIN}		65	69	mA	(1), (2) Duty=100%
LED Life Time	LLED	40000			Hrs	(3)
Power Consumption	PBL	---	8.06	8.84	W	(1) Duty=100%, I _{PIN} =65mA

5. Block Diagram

5.1 Main board



5.2 Power board



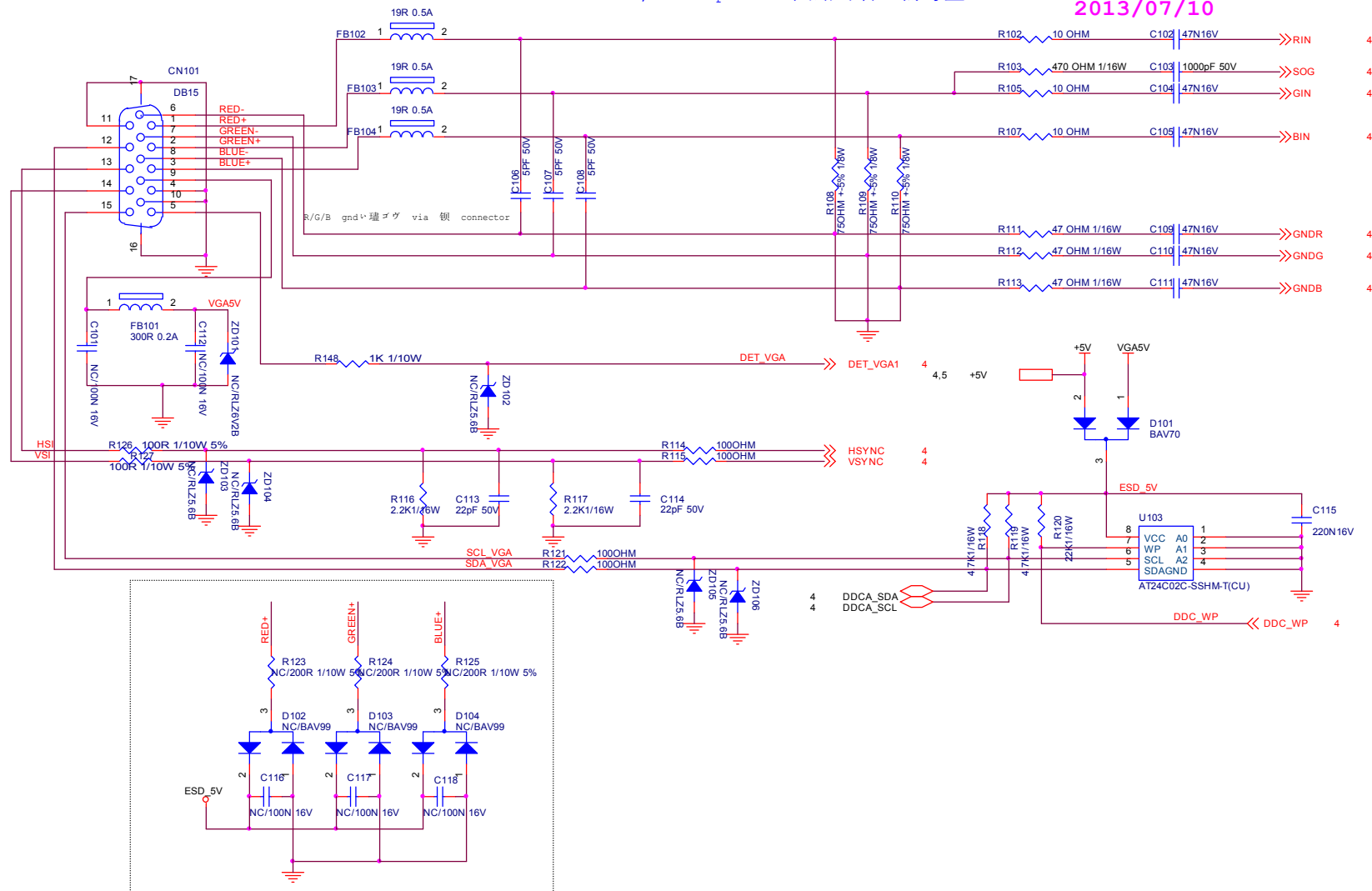
6. Schematic

6.1 Main Board

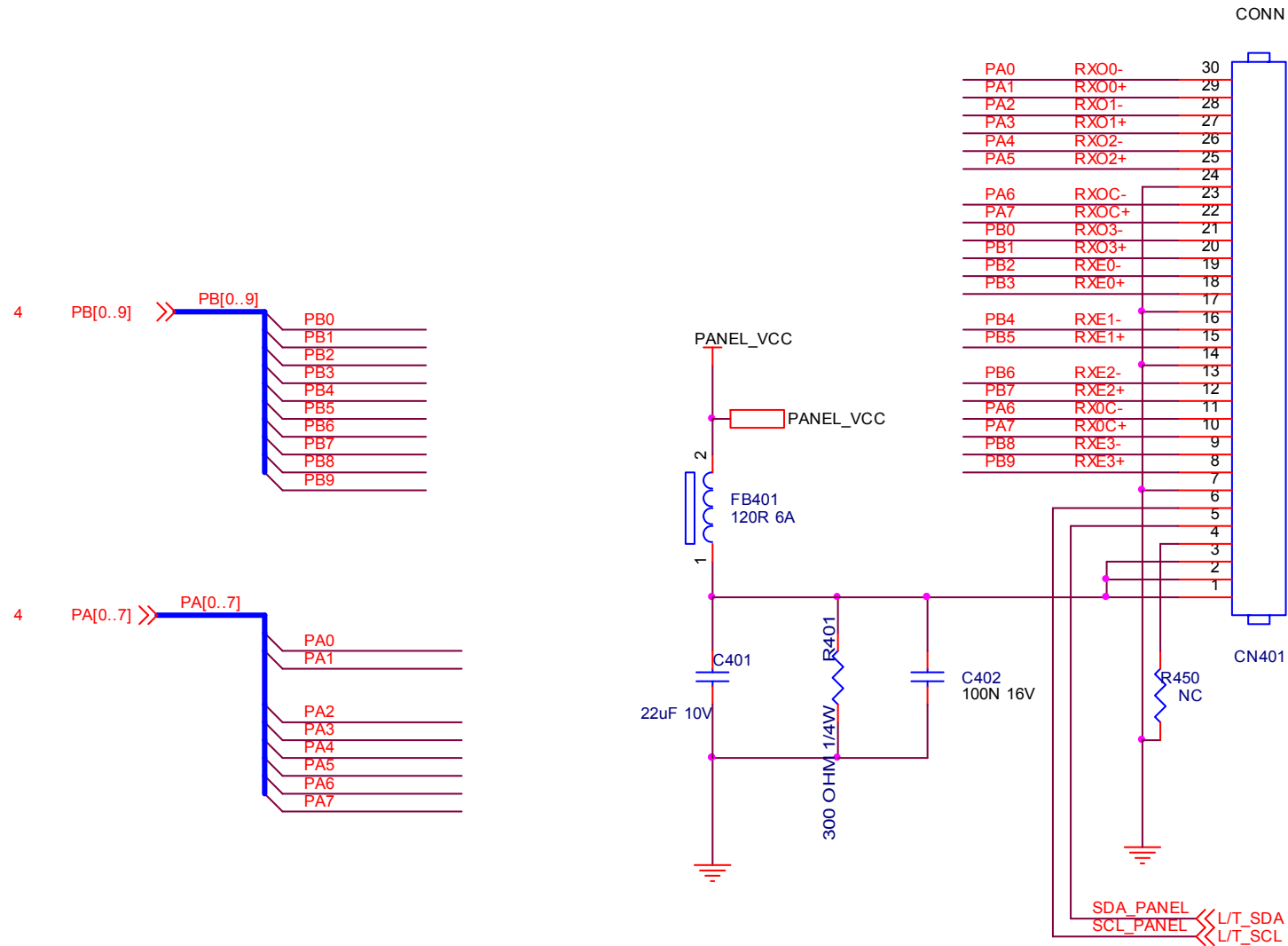
715G6255M0C000004I

For NT68169 ,VGA input ESD回路可省 (需考量)

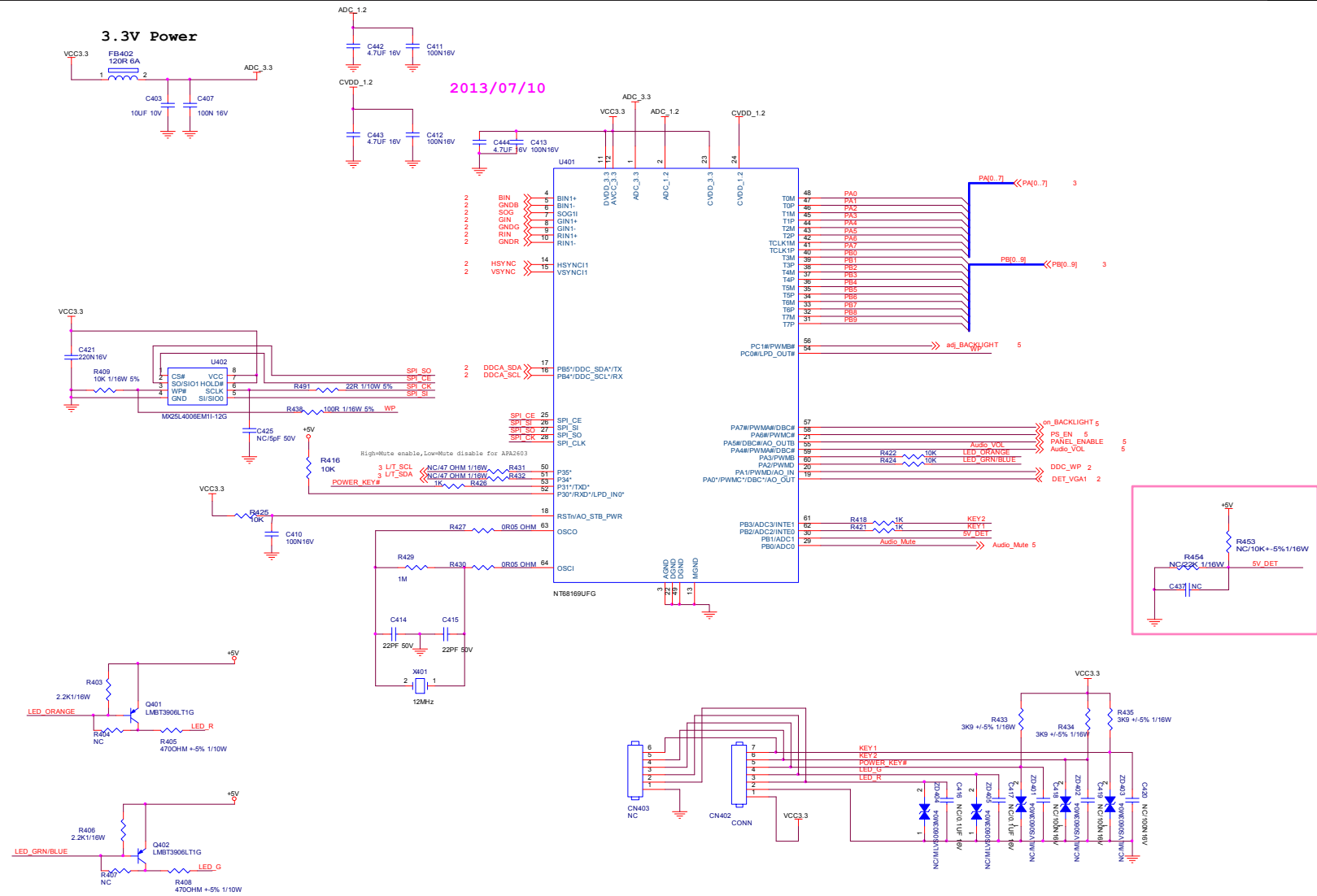
2013/07/10



TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL		Size	B
新南成集团	TPV MODEL		Rev	A
Key Component	PCB NAME		称号	<称号>
Date	Thursday, July 11, 2013	Sheet	2 of 5	



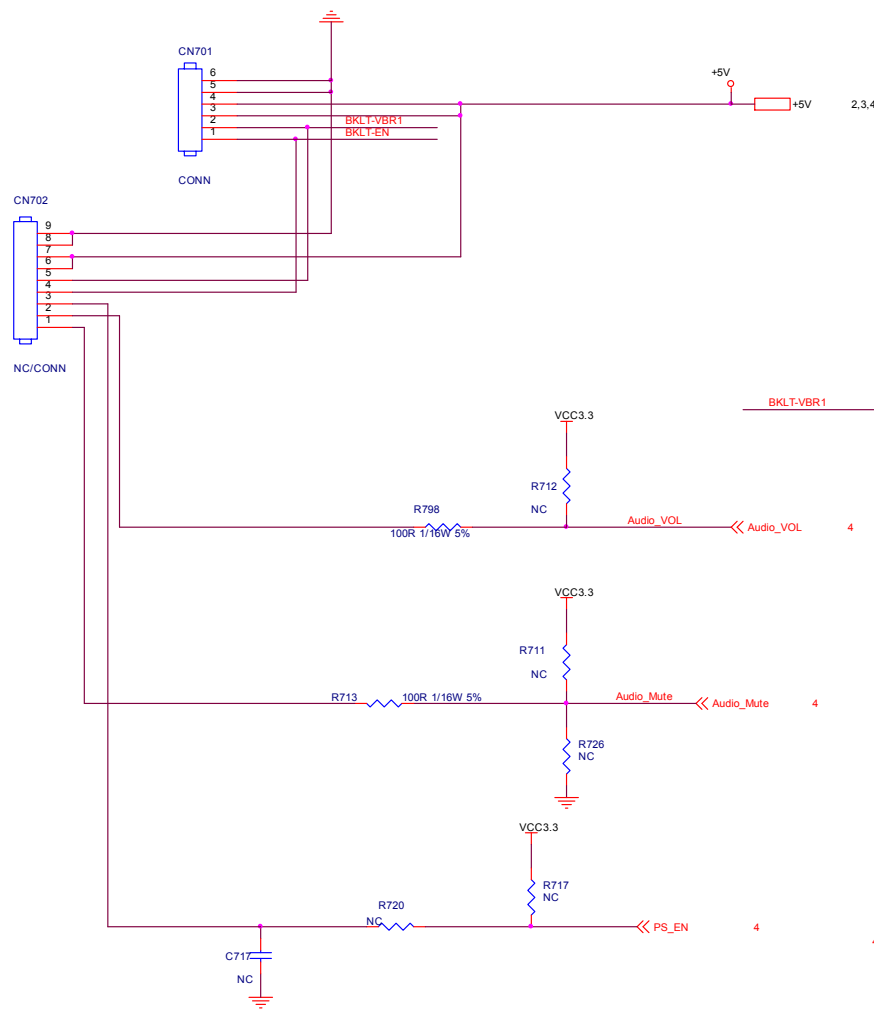
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結構瓜網腹		TPV MODEL		Rev	A
Key Component		PCB NAME		称爹	<称爹>
Date	Thursday , May 23, 2013	Sheet	3 of 5		



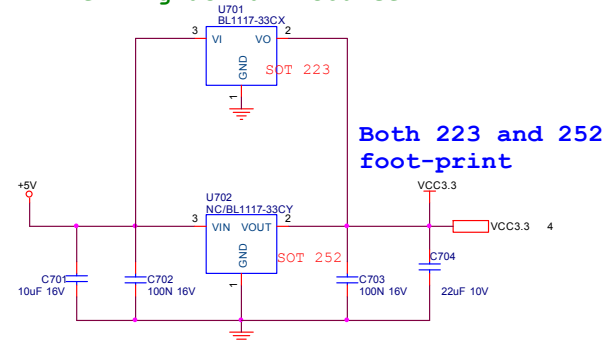
1	KEY1	AUTO (2k) / UP (100)
2	KEY2	DOWN (2K) / MENU (1K)
3	POWER_KEY#	POWER KEY (100)
4	LED_G	GREEN
5	LED_R	YELLOW
6	GND	GND



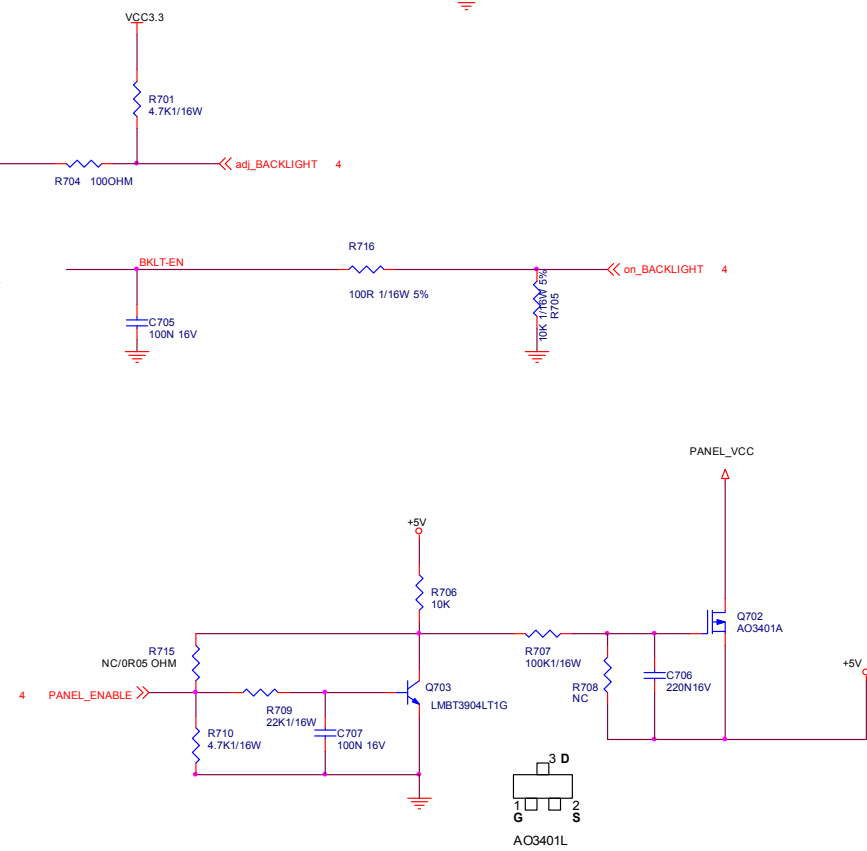
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Key Component	TPV MODEL	Rev	A
Date	PCB NAME	Sheet	<Rev>
Thursday, July 11, 2013	4 of 5		



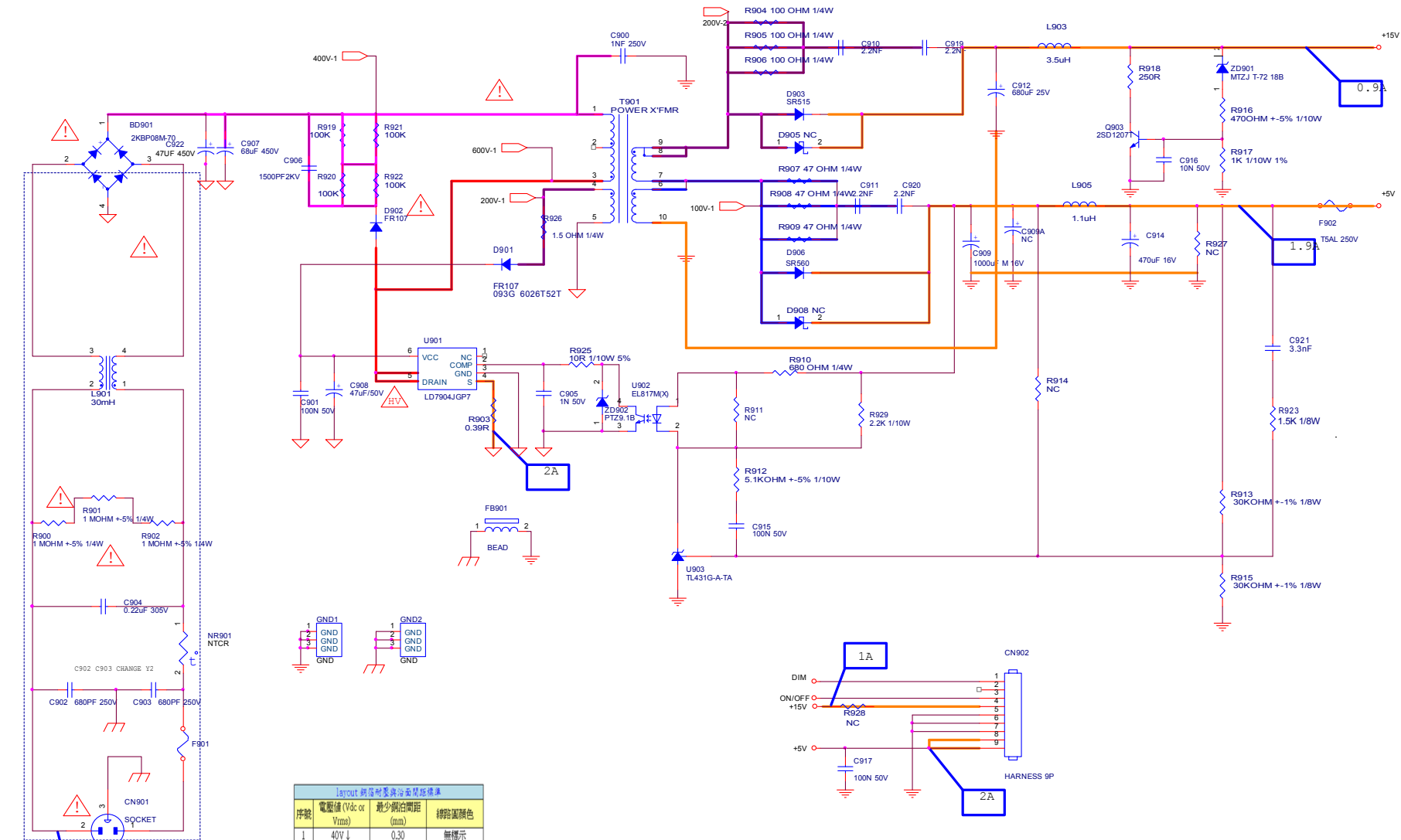
Belling as main source



Both 223 and 252 foot-print



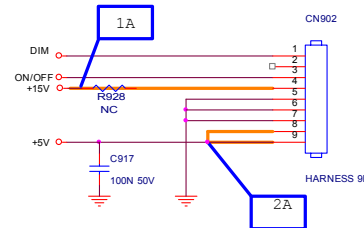
T P V (Top Victory Electronics Co . , Ltd .)	OEM MODEL		Size	Custom
铭阳瓜瓞版	TPV MODEL		Rev	A
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Date	Thursday , May 23, 2013	Sheet	5 of 5	



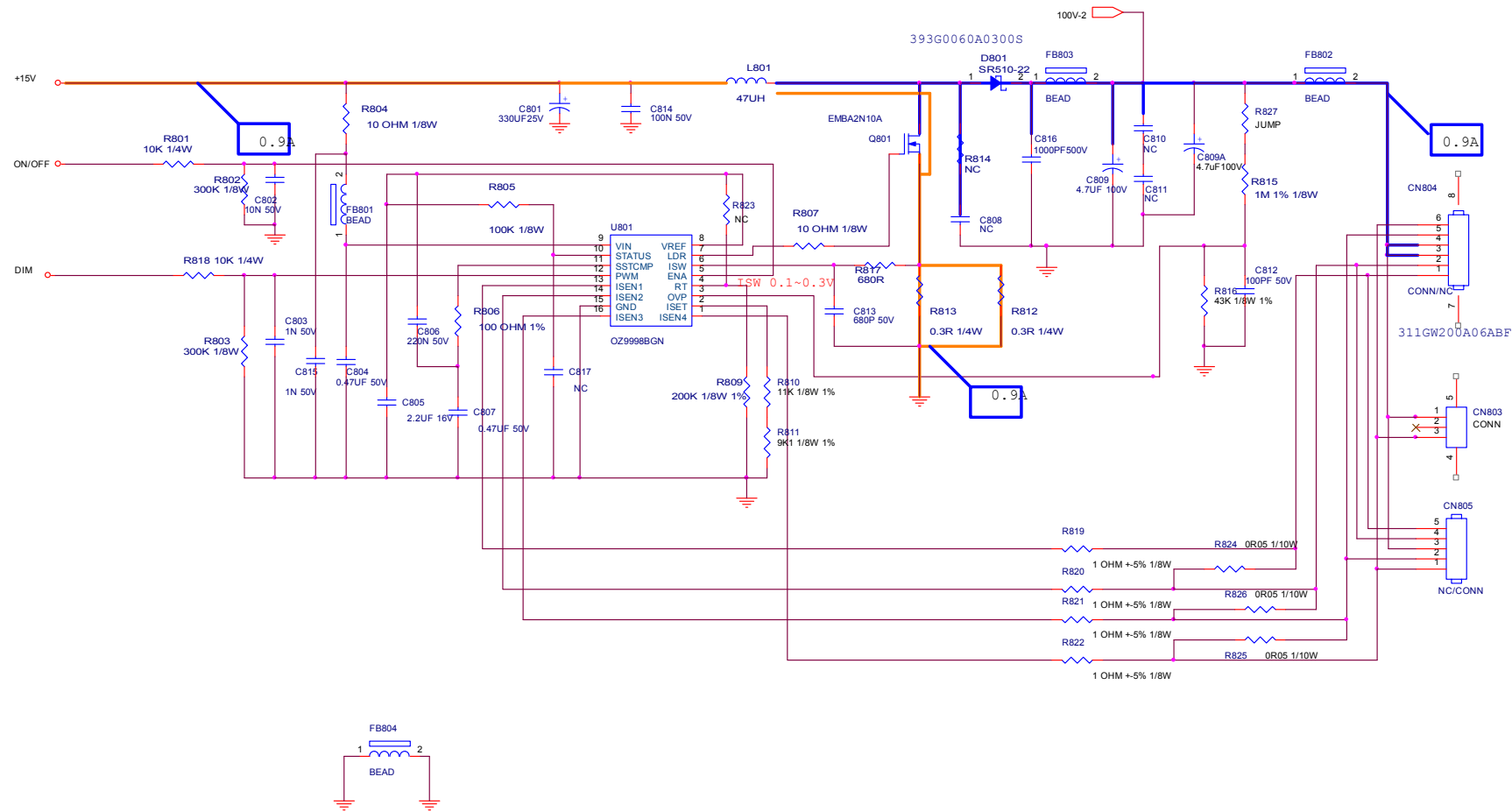
MNT 禮購2.5mm / TV 禮購3mm
BRIDGE 牙 L/N Trace 3.0mm

序號	電壓值 (Vdc or Vrms)	最少銅箔間距 (mm)	導線圖顏色
1	40V ↓	0.30	無標示
2	40V-100V	0.75	
3	100V-200V	1.5	
4	200V-400V	2.0	
5	400V-600V	3.0	
6	600V-1000V	5.0	

Layout trace 電流與 trace 寬度，lk=最少 1mm 以上寬度 銅厚：1(2oz)			
序號	電流值(Idc or irms)	最少銅寬(mm)	線路圖顏色
1		線路圖上標示	——



TPV (Top Victory Electronics Co., Ltd.)				OEM MODEL		Size	Custom
攝陽風扇				TPV MODEL		Rev	1
Key Component				PCB NAME		修爹	ODM MODEL
Date				Tuesday, November 20, 2012		Sheet 2 of 3	



Layout 銅箔耐壓與治面間距標準			
序號	電壓值 (Vdc or Vrms)	最少銅箔間距 (mm)	線路圖顏色
1	40V ↓	0.30	無標示
2	40V-100V	0.75	藍色
3	100V-200V	1.5	紫色
4	200V-400V	2.0	粉紅色
5	400V-600V	3.0	紅色
6	600V-1000V	5.0	黑色

Layout trace 電流與 trace 寬度, 1x=最少 1mm 以上寬度
銅厚: 1(1oz)

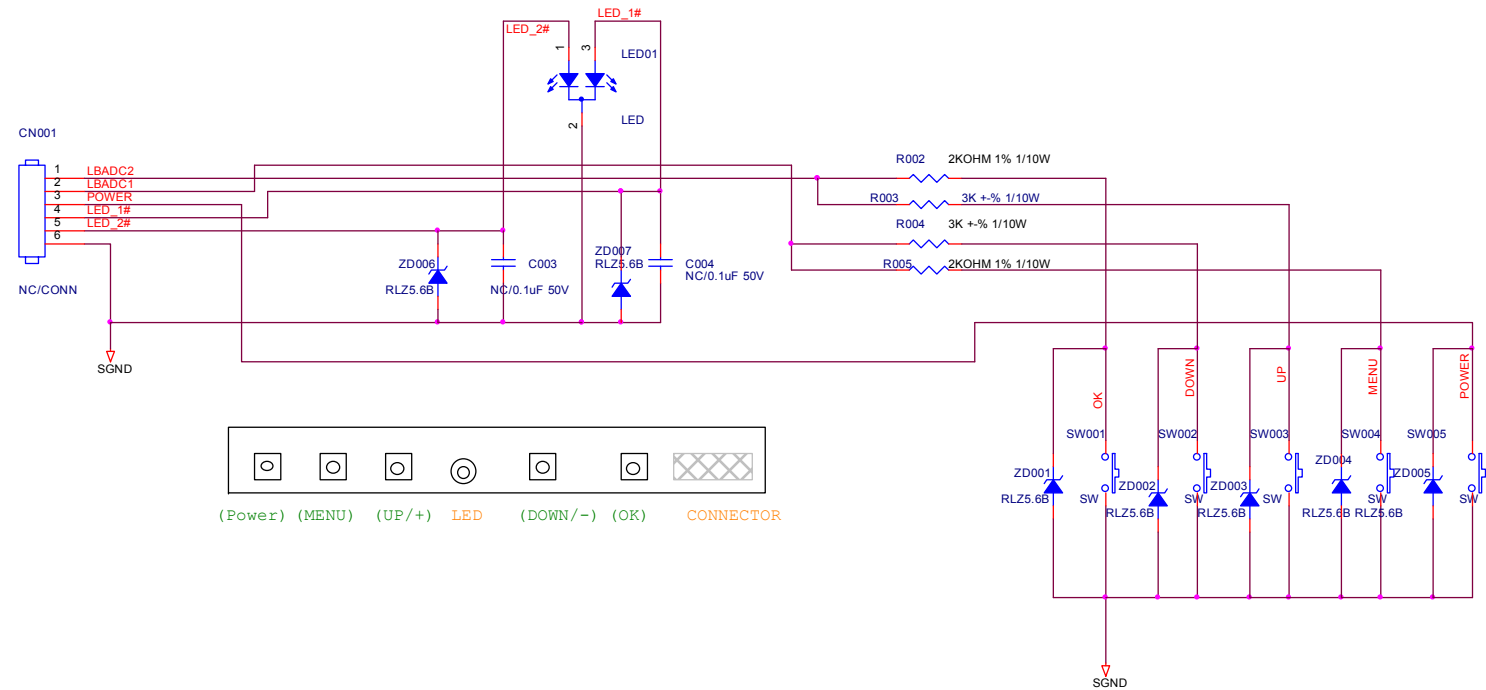
序號	電流值 (Idc or Irms)	最少銅箔寬度 (mm)	線路圖顏色
1			線路圖上標示



TPV (Top Victory Electronics Co., Ltd.)		OEM MODEL		Size	Custom
銅箔耐壓標準		TPV MODEL		Rev	1
Key Component		PCB NAME		稱號	ODM MODEL
Date		Sheet	3 of 3		

6.3 Key Board

715G4407K02000001S



LBADC2	OK (2.0K)	1.04V~1.18V	1.1V	0V~1.24V
	UP (3K)	1.37v~1.58v	1.4V	1.24V~2.6V
LBADC1	DOWN (3K)	1.37v~1.58v	1.4V	
	MENU (2K)	1.04V~1.18V	1.1V	

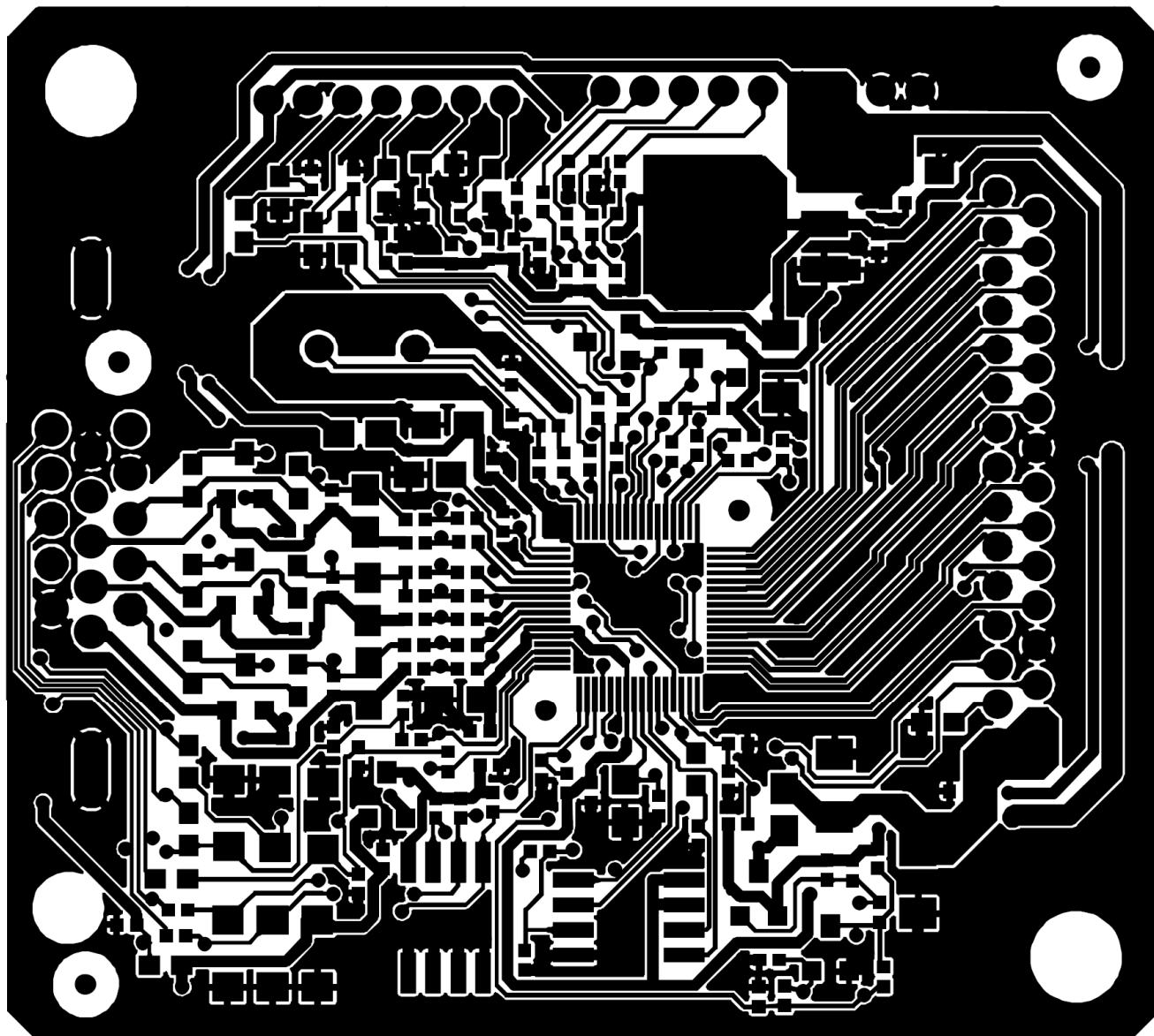


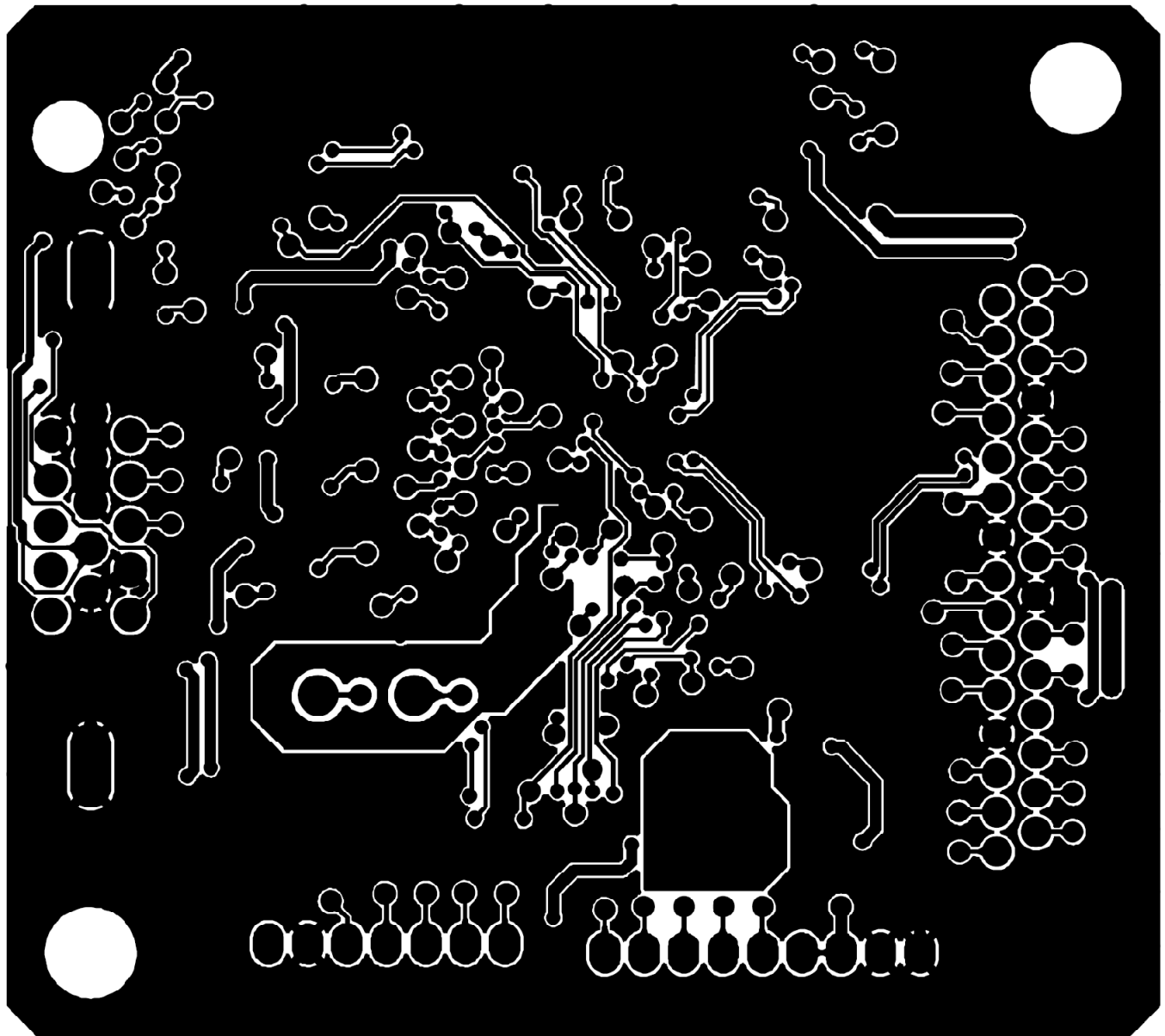
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蘇 隔 瓜 網 廠	TPV MODEL		Rev	B
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Date	Monday, January 09, 2012	Sheet	2 of 2	

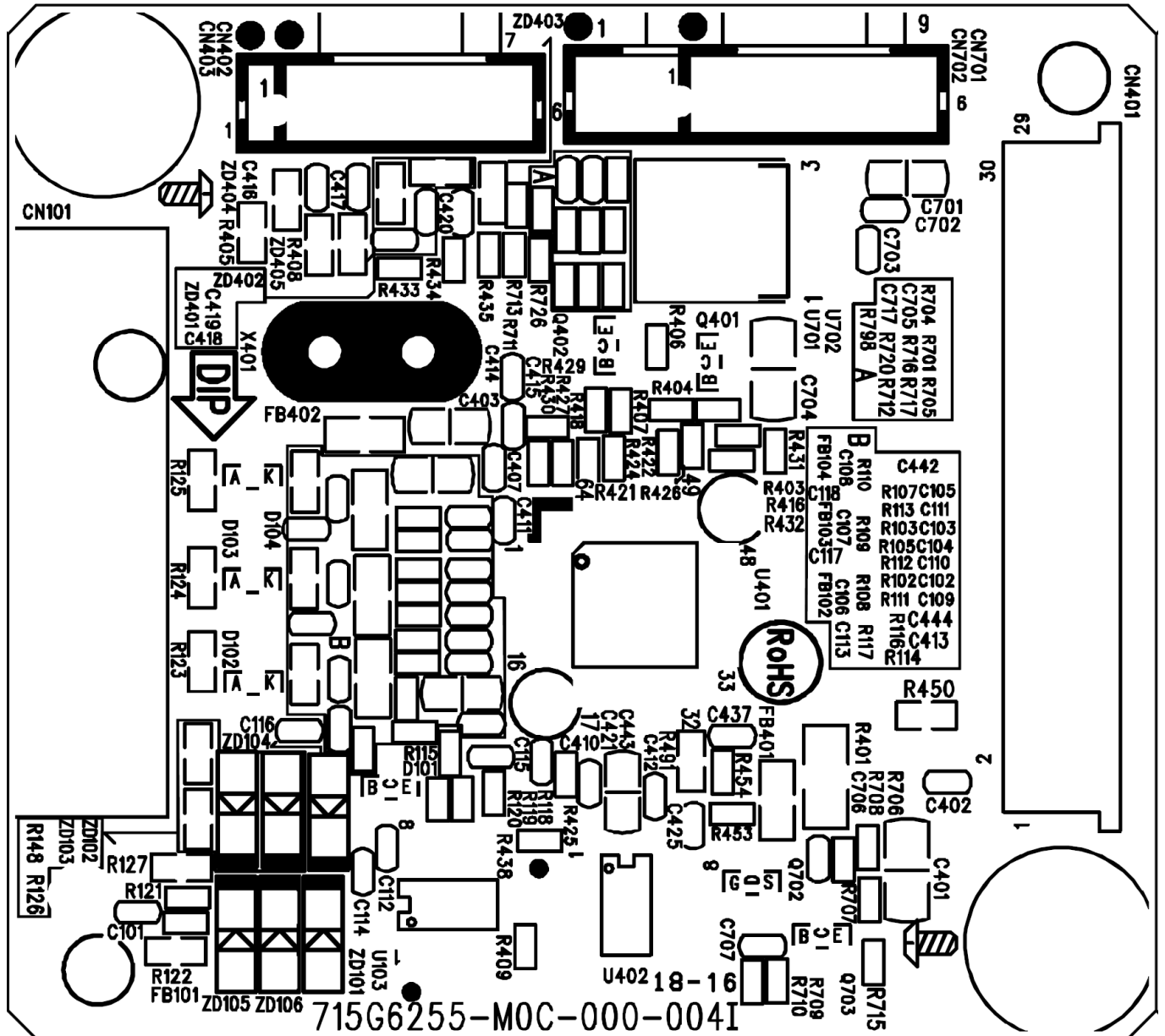
7. PCB Layout

7.1 Main Board

715G6255M0C000004I

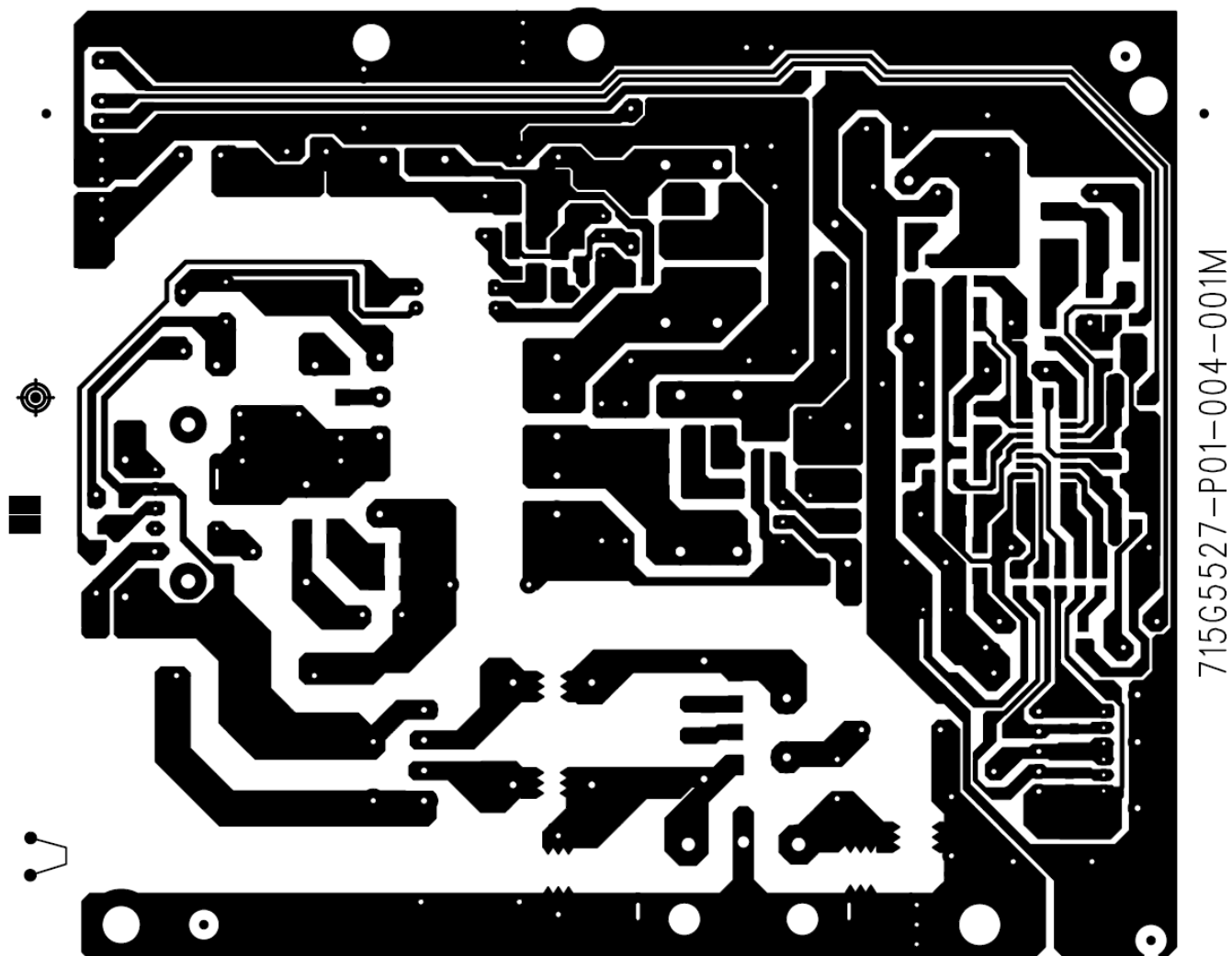


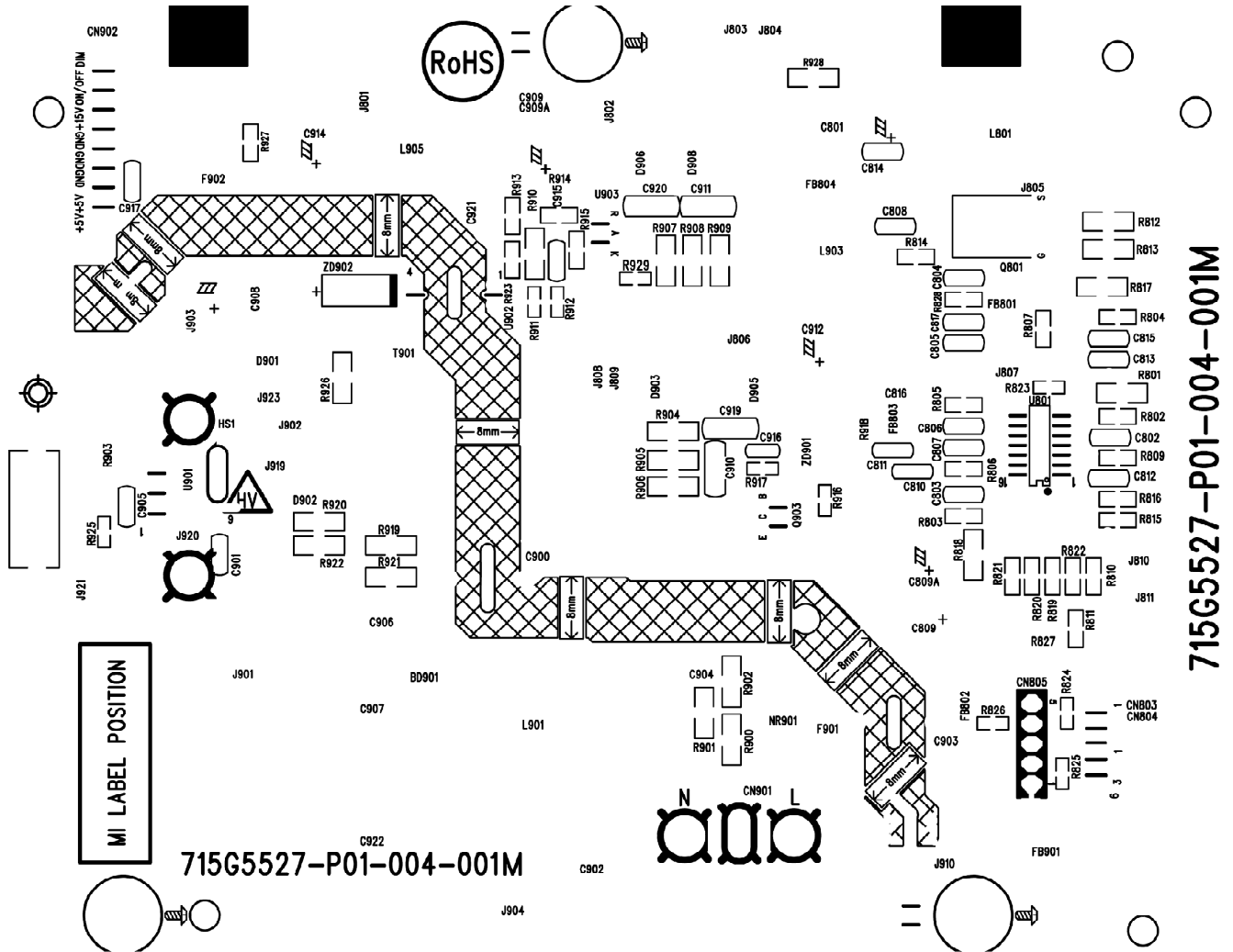


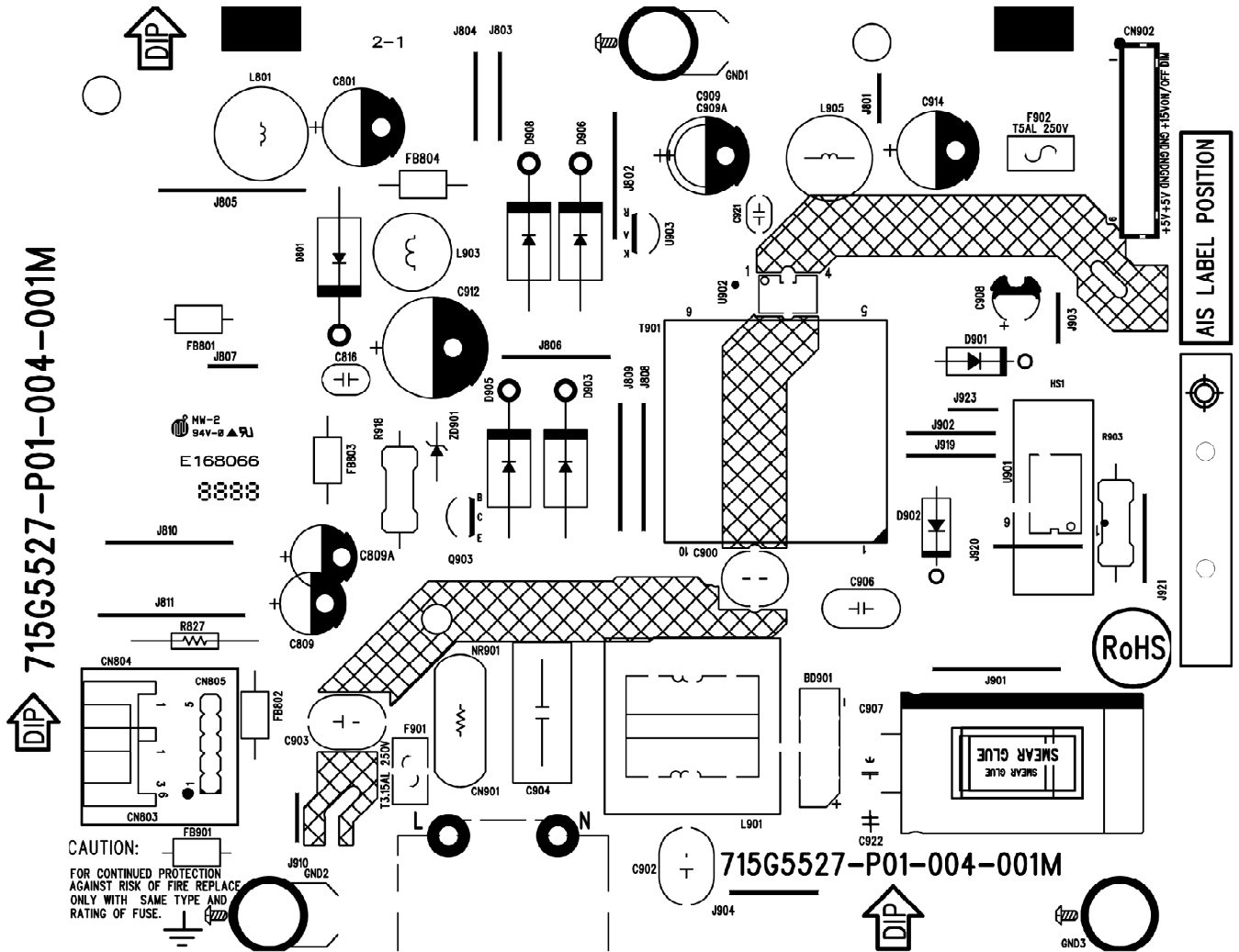


7.2 Power Board

715G5527P01004001M

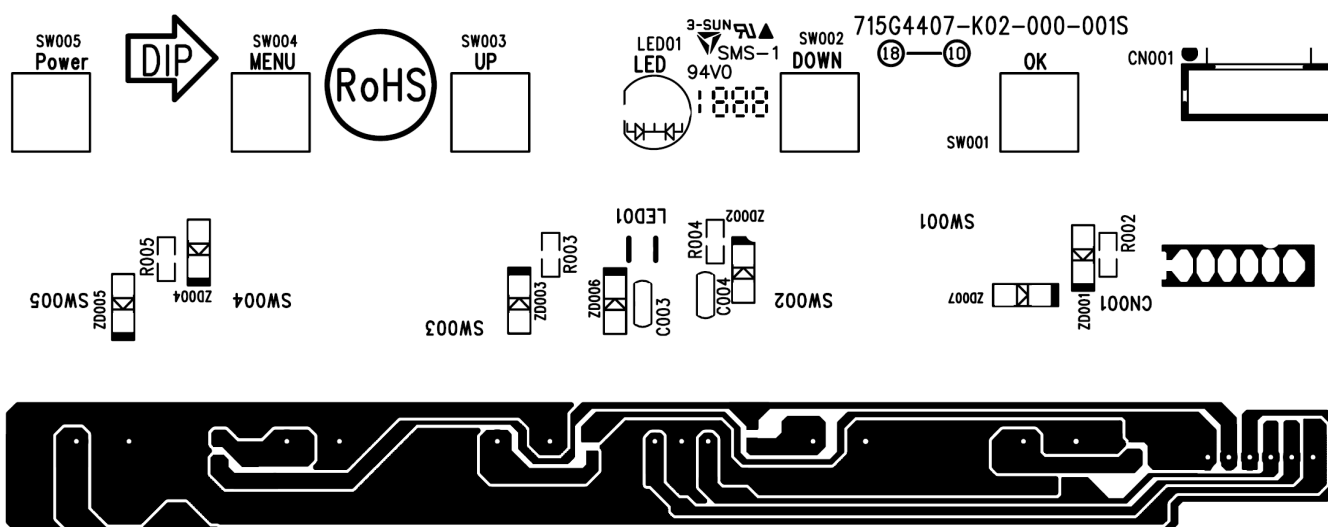






7.3 Key Board

715G4407K02000001S



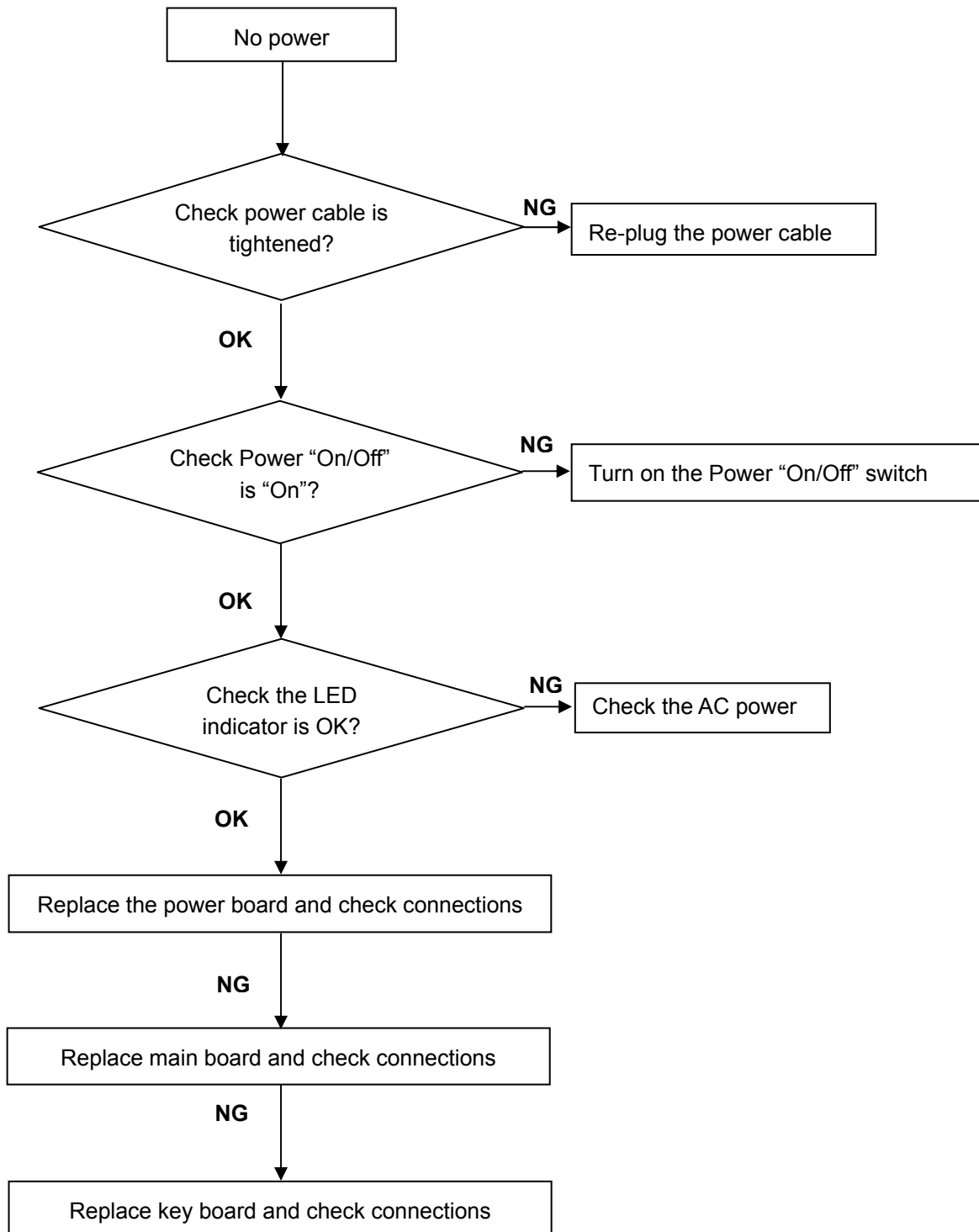
8. Maintainability

8.1 Equipments and Tools Requirement

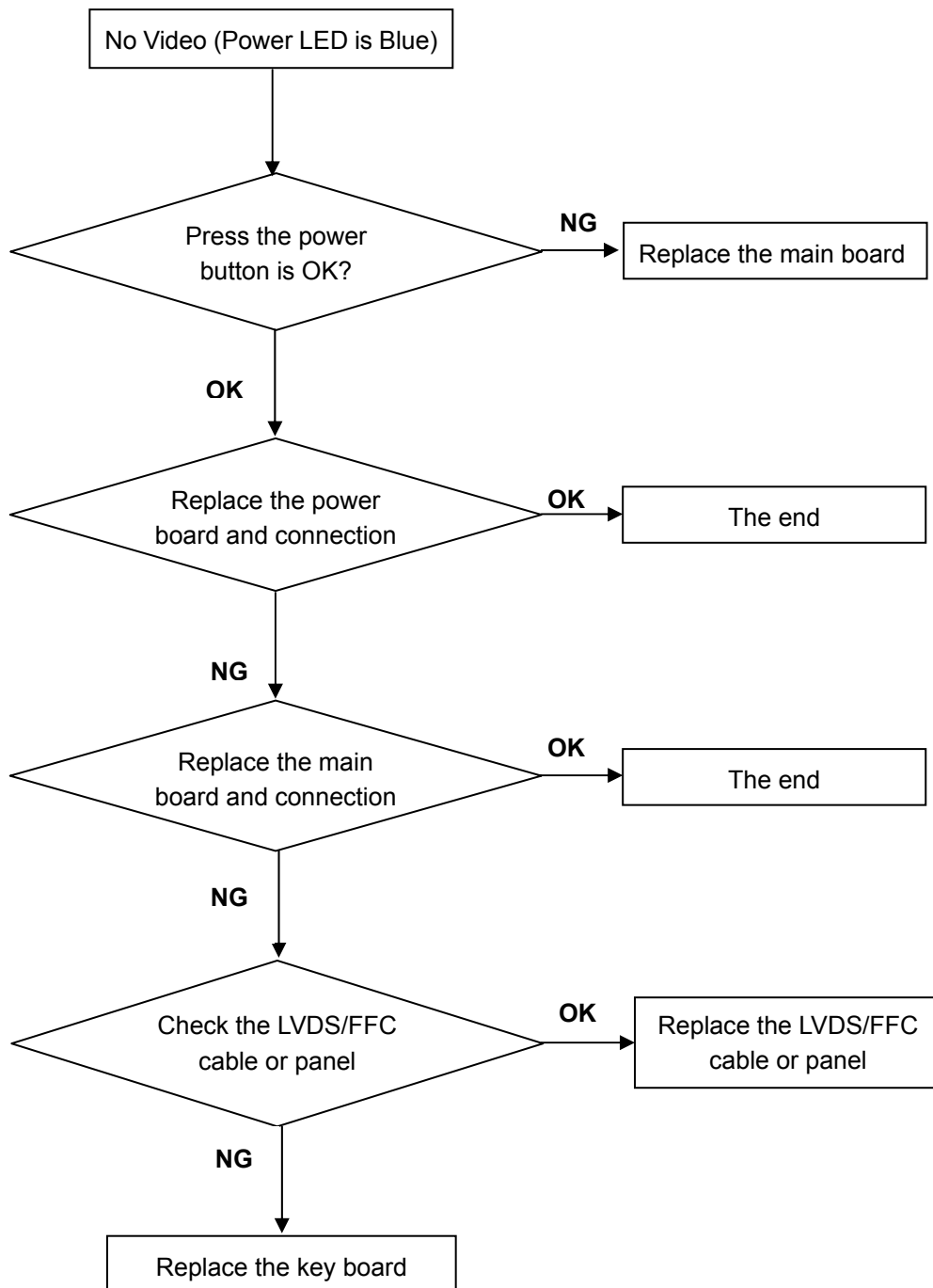
1. Voltmeter.
2. Oscilloscope.
3. Pattern Generator.
4. DDC Tool with an IBM Compatible Computer.
5. Alignment Tool.
6. LCD Color Analyzer.
7. Service Manual.
8. User Manual.

8.2 Trouble Shooting

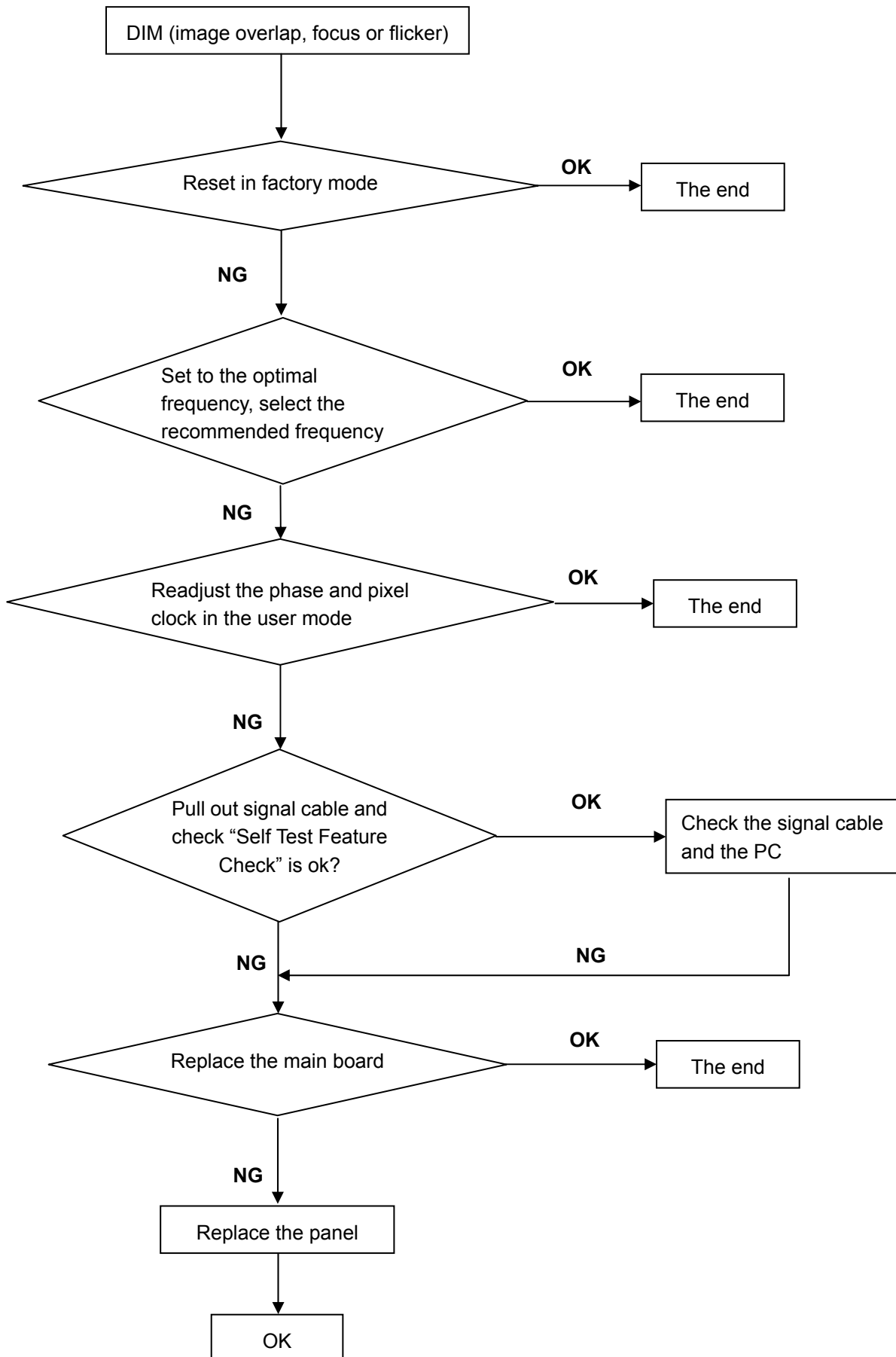
1. No Power



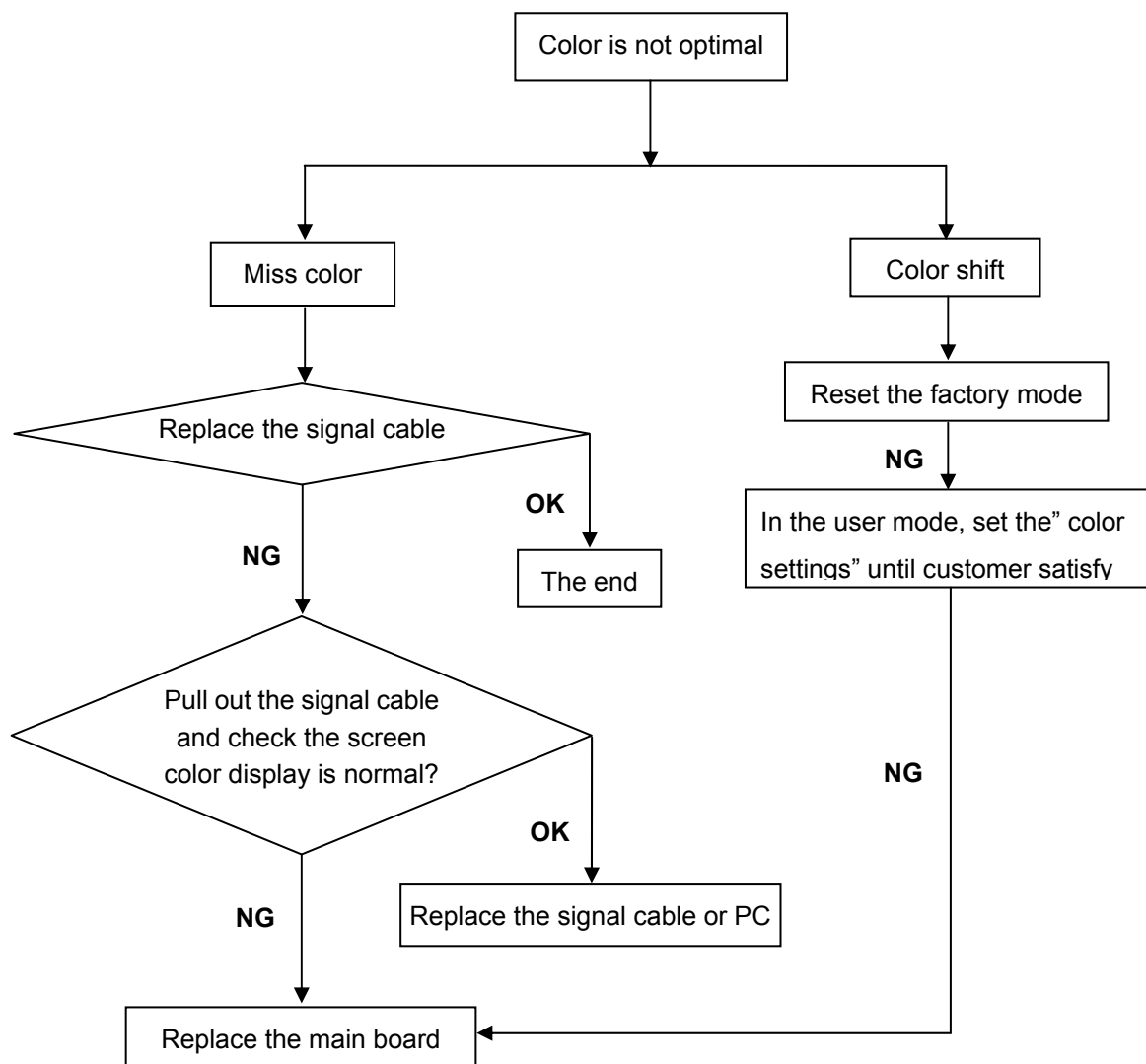
2. No Video (Power LED is Blue)



3. DIM



4. Color is not optimal



9. White- Balance, Luminance Adjustment

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

Before started adjust white balance , please set the Chroma-7120 MEM Channel 3 to Warm (6500K) color, MEM Channel 4 to Normal (7300K) color, MEM Channel 9 to Cool (9300K) color , and MEM Channel 10 to sRGB color (our Warm color parameter is $x = 313$, $y = 329$, $Y > 190 \text{cd/m}^2$; Normal color parameter is $x = 301$, $y = 317$, $Y > 190 \text{cd/m}^2$; Cool color parameter is $x = 283$, $y = 297$, $Y > 170 \text{cd/m}^2$; sRGB color parameter is $x = 313$, $y = 329$, $Y > 190 \text{cd/m}^2$)

How to setting MEM channel you can reference to chroma 7120 user guide or simple use “ SC” key and

“ NEXT” Key to modify xyY value and use “ID” key to modify the TEXT description Following is the procedure to do white-balance adjust .

2. Setting the color temp. you want

A. MEM.CHANNEL 3 (Warm color):

Warm color temp. parameter is $x = 313$, $y = 329$, $Y > 190 \text{cd/m}^2$

B. MEM.CHANNEL 4 (Normal color):

Normal color temp. parameter is $x = 301$, $y = 317$, $Y > 190 \text{cd/m}^2$

C. MEM.CHANNEL 9 (Cool color):

Cool color temp. parameter is $x = 283$, $y = 297$, $Y > 170 \text{cd/m}^2$

D. MEM.CHANNEL 10 (sRGB color):

sRGB color temp. parameter is $x = 313$, $y = 329$, $Y > 190 \text{cd/m}^2$

3. Enter into Factory mode of AOC e1620Swb:

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

4. Bias adjustment:

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

5. Gain adjustment:

Move cursor to “-F-” and press MENU key

A. Adjust Warm (6500K) color-temperature

1. Switch the chroma-7120 to **RGB-Mode** (with press “MODE” button)
2. Switch the MEM.channel to Channel 3 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show $x = 313$, $y = 329$, $Y > 190 \text{cd/m}^2$
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 $x = 301$, $y = 317$, $Y > 190 \text{cd/m}^2$
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

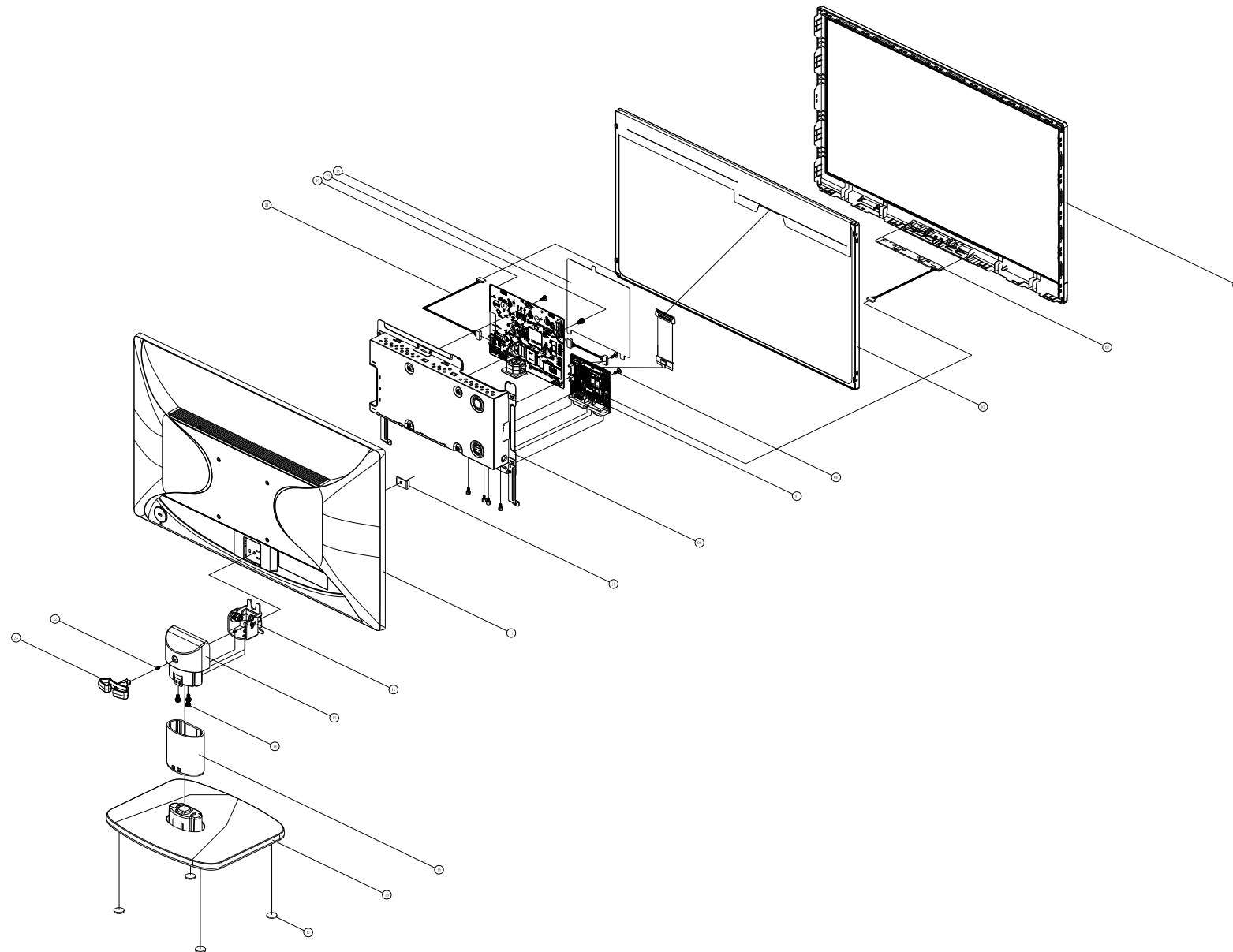
1. Switch the Chroma-7120 to **RGB-Mode** (with press "MODE" button)
2. Switch the MEM. Channel to Channel 9 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show $x = 283$, $y = 297$, $Y > 170 \text{cd/m}^2$
4. Adjust the RED on factory window until chroma 7120 indicator 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 $x = 313$, $y = 329$, $Y > 190 \text{cd/m}^2$
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



Item	Part Number	Description	Q'ty
1	NA	BEZEL	1
2	NA	KEY BOARD	1
3	NA	PANEL	1
6	0D1G1030 6120	SCREW	3
7	NA	MAIN BOARD	1
8	NA	MAIN_FRAME_B	1
10	NA	PLATE_HINGE	1
11	NA	REAR COVER	1
12	NA	HINGE	1
13	NA	STAND_COVER	1
14	AM1G1740 10225 CR3	SCREW	3
15	NA	STAND	1
16	NA	BASE_VSS7	1
17	NA	FOOT	4
18	NA	MYLAR	1
19	0M1G1140 8120	SCREW	1
20	NA	POWER BOARD	1
21	NA	LIGHT BAR CABLE	1
22	AM1G1740 10225 CR3	SCREW	1
23	NA	CLIP	1

11. BOM List

Note: The following information of initial version BOM are only for reference of repair, not place the order as the basis and are subject to change without notice. Please base on RSPL or Service BOM (<http://cs.tpv.com.cn>) , thank you!

T9DMV46EEDWPNN

Location	Part NO.	Description	Remark
E08901	089G417A15N HL	AC POWER CORD 1500MM	
E08901	089G417A15N IS	POWER CORD	2nd source
E08901	089G417A15NISY	AC POWER CORD 1500	2nd source
ECN804	095G8014 6WJ20	HARNESS 6P(2008)-6P(CI1406S) 140mm	2nd source
ECN804	095G8014 6XJ20	HARNESS 6P(2008)-6P(CI1406S) 140mm	
E08902	389G0725GAADBR	D-SUB CABLE 1500	
E08902	389G0725LAADBR	D-SUB CABLE 1500	2nd source
	708GAG240CPQ02	OTS 40(2176)	
	052G 1185	MIDDLE TAPE (Y1200141)	
	052G 1185 1	BIG TAPE(Y1200141)	
	709G00QP000410	COMSUMPTIVE ASSY	
	Q52G1501526 B XW	TAPE_DOUBLE	
	Q52G160119100A00YY	TAPE	
E750	750GBM195FGK32N000	LCD M195FGE-L20 C3 NB CMI	2nd source
E750	750GBM195FGK33N000	LCD M195FGE-L20 C3 NH CMI	
E750	750GBM195FGK42N000	LCD M195FGE-L20 C4 NB CMI	2nd source
E750	750GBM195FGK43N000	LCD M195FGE-L20 C4 NH CMI	2nd source
	756GQDCB0A27770000	Mainboard-CBPCDV40AQ1	
SMTCD-U402	100GANC9001YT1	MCU ASSY-056G2233501	
	0D1G1030 6120	SCREW	
	0M1G1140 8120	SCREW 4x8	
	A15G1750101 YM	PLATE HINGE	
	A37G02820270ML	HINGE ASS'Y	
	AM1G1740 10225 CR3	SCREW	
	Q12G6600 6 HB	FOOT PAD	
	Q15G12295010GH	MAINFRAME	
	Q52G1801MNT254AFZA	INSULATING SHEET	
	AM1G1740 10225 CR3	SCREW	
	A34G2739 GM 1K0100	COVER_STAND	
	A34G2740 GM 1K0120	STAND	
	Q34G74770GM0NK0130	REAR_COVER	
	Q34G7571AED 1B0130	BASE	
	Q34G76320KSD3B0100	BEZEL	
	Q40G000274308B	FEATURE-POP LABEL (DCR+ECO+LED+TCO5.1)	
	Q41G20M185604A	MANUAL	
	Q44GA1241020FJ	CUSHION-T	

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	Q44GA1242020FJ	CUSHION-B	
	Q44GAG2485601A00DL	ARTWORK CARTON WLA190twe WW	
	Q45G9901609225 N	P.E. BAGx380x600x0.2	
E05201	Q52G1001209 A JY	AL FOIL	
E05201	Q52G1001209 A ZA	AL FOIL	
E05202	Q52G1001211 B JY	AL FOIL	
E05203	Q52G1001211 B JY	AL FOIL	
E05202	Q52G1001211 B ZA	AL FOIL	
E05203	Q52G1001211 B ZA	AL FOIL	
ECN410	S95G179T30N708	FFC CABLE 30PIN P1.0 150mm	
	Q26G 800504 2B	BARCODE LABEL FOR 3	
	Q40G019N85605B	RATING LABEL for WLA190twe india	
X401	093G 2251B J	CRYSTAL 12MHZ NXS12.000AC30F-KAB10	
CN401	311GF100B30ABL	FFC CONN 1.0mm 30P R/A B1002F30TDHB	
CN403	311GW200A06AAL	WAFER 2.0mm 6P V/T B2009W06VTAB	
CN701	311GW200A06AAL	WAFER 2.0mm 6P V/T B2009W06VTAB	
CN701	311GW200A06AAX	WAFER 2.0mm 6P V/T W2015-06SVA-A	
CN403	311GW200A06AAX	WAFER 2.0mm 6P V/T W2015-06SVA-A	
CN101	388G353HE01ADL	D-SUB R/A 15P 1*1 BLUE 12.5	
CN101	388G353HE01AXH	D-SUB R/A 15P 1*1 BLUE --	
	709G62550QM001	COMSUMPTIVE ASSY	
	055G 23524	WELDING FLUX WITHOUT PB	
U701	056G 563527BHF	LDO BL1117-33CX 1A 3.3V SOT-223	
U402	056G2233501	FLASH MX25L2026DM1I-12G 2Mb SOP-8	
Q402	057G 417517	Tra LMBT3906LT1G -200mA/-40V SOT-23 LRC	
Q401	057G 417517	Tra LMBT3906LT1G -200mA/-40V SOT-23 LRC	
Q703	057G 417518	TRA LMBT3904LT1G 200mA/40V SOT-23 LRC	
Q702	057G 763940	MOSFET AO3401A SOT-23	
R430	061G0402000 JY	RST CHIPR MAX 0R05 OHM 1/16W YAGEO	
R427	061G0402000 JY	RST CHIPR MAX 0R05 OHM 1/16W YAGEO	
R102	061G0402100 JY	RST CHIPR 10 OHM +-5% 1/16W YAGEO	
R107	061G0402100 JY	RST CHIPR 10 OHM +-5% 1/16W YAGEO	
R105	061G0402100 JY	RST CHIPR 10 OHM +-5% 1/16W YAGEO	
R438	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R798	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R716	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R713	061G0402101 JT	RST CHIP 100R 1/16W 5% TZAI YUAN	
R122	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R121	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R704	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	

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R114	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R115	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R426	061G0402102 JY	RST CHIPR 1KOHM +-5% 1/16W YAGEO	
R418	061G0402102 JY	RST CHIPR 1KOHM +-5% 1/16W YAGEO	
R421	061G0402102 JY	RST CHIPR 1KOHM +-5% 1/16W YAGEO	
R705	061G0402103 JT	RST CHIP 10K 1/16W 5% TZAI YUAN	
R409	061G0402103 JT	RST CHIP 10K 1/16W 5% TZAI YUAN	
R422	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R425	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R424	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R416	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R706	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R707	061G0402104 JY	RST CHIPR 100KOHM +-5% 1/16W YAGEO	
R429	061G0402105 JY	RST 0402 1M 5% 1/16W RC0402JR-071ML	
R116	061G0402222 JY	RST 0402 2.2K 5% 1/16W RC0402JR-072K2L	
R406	061G0402222 JY	RST 0402 2.2K 5% 1/16W RC0402JR-072K2L	
R117	061G0402222 JY	RST 0402 2.2K 5% 1/16W RC0402JR-072K2L	
R403	061G0402222 JY	RST 0402 2.2K 5% 1/16W RC0402JR-072K2L	
R709	061G0402223 JY	RST CHIPR 22KOHM +-5% 1/16W YAGEO	
R120	061G0402223 JY	RST CHIPR 22KOHM +-5% 1/16W YAGEO	
R433	061G0402392 JT	RST CHIP R 3K9 +/-5% 1/16W TZAI YUAN	
R435	061G0402392 JT	RST CHIP R 3K9 +/-5% 1/16W TZAI YUAN	
R434	061G0402392 JT	RST CHIP R 3K9 +/-5% 1/16W TZAI YUAN	
R111	061G0402470 JY	RST CHIPR 47 OHM 5% 1/16W YAGEO	
R112	061G0402470 JY	RST CHIPR 47 OHM 5% 1/16W YAGEO	
R113	061G0402470 JY	RST CHIPR 47 OHM 5% 1/16W YAGEO	
R103	061G0402471 JF	RST CHIPR 470 OHM 5% 1/16W FENGHUA	
R119	061G0402472 JY	RST 0402 4.7K 5% 1/16W RC0402JR-074K7L	
R701	061G0402472 JY	RST 0402 4.7K 5% 1/16W RC0402JR-074K7L	
R710	061G0402472 JY	RST 0402 4.7K 5% 1/16W RC0402JR-074K7L	
R118	061G0402472 JY	RST 0402 4.7K 5% 1/16W RC0402JR-074K7L	
R127	061G0603101 JT	RST CHIP 100R 1/10W 5% TZAI YUAN	
R126	061G0603101 JT	RST CHIP 100R 1/10W 5% TZAI YUAN	
R148	061G0603102 JF	RST CHIPR 1K OHM +-5% 1/10W FENGHUA	
R491	061G0603220 JT	RST CHIP 22R 1/10W 5% TZAI YUAN	
R408	061G0603471 JT	RST CHIPR 470OHM +-5% 1/10W TZAI YUAN	
R405	061G0603471 JT	RST CHIPR 470OHM +-5% 1/10W TZAI YUAN	
R110	061G0805750 JT	RST CHIPR 75OHM +-5% 1/8W TZAI YUAN	
R109	061G0805750 JT	RST CHIPR 75OHM +-5% 1/8W TZAI YUAN	
R108	061G0805750 JT	RST CHIPR 75OHM +-5% 1/8W TZAI YUAN	

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R401	061G1206301 JT	RST CHIPR 300 OHM +-5% 1/4W TZAI YUAN	
C103	065G040210232K T	CAP 0402 1nF 10% 50V X7R UMK105 B7102KV	
C412	065G040210412K T	CAP CHIP 0402 100nF 16V X7R	
C410	065G040210412K T	CAP CHIP 0402 100nF 16V X7R	
C411	065G040210412K T	CAP CHIP 0402 100nF 16V X7R	
C413	065G040210412K T	CAP CHIP 0402 100nF 16V X7R	
C402	065G040210412K Y	CAP 0402 100NF 10% 16V X7R	
C705	065G040210412K Y	CAP 0402 100NF 10% 16V X7R	
C707	065G040210412K Y	CAP 0402 100NF 10% 16V X7R	
C407	065G040210412K Y	CAP 0402 100NF 10% 16V X7R	
C702	065G040210412K Y	CAP 0402 100NF 10% 16V X7R	
C703	065G040210412K Y	CAP 0402 100NF 10% 16V X7R	
C414	065G040222031J E	CAP 0402 22PF 5% 50V NP0 C0402C0G220J50	
C415	065G040222031J E	CAP 0402 22PF 5% 50V NP0 C0402C0G220J50	
C114	065G040222031J T	CAP 0402 22pF 5% 50V NP0 UMK105 CG220JV	
C113	065G040222031J T	CAP 0402 22pF 5% 50V NP0 UMK105 CG220JV	
C421	065G040222415K T	CAP CHIP 0402 220nF K 16V X5R	
C706	065G040222415K T	CAP CHIP 0402 220nF K 16V X5R	
C115	065G040222415K T	CAP CHIP 0402 220nF K 16V X5R	
C111	065G040247312K T	CAP 0402 47NF 10% 16V X7R	
C102	065G040247312K T	CAP 0402 47NF 10% 16V X7R	
C104	065G040247312K T	CAP 0402 47NF 10% 16V X7R	
C110	065G040247312K T	CAP 0402 47NF 10% 16V X7R	
C109	065G040247312K T	CAP 0402 47NF 10% 16V X7R	
C105	065G040247312K T	CAP 0402 47NF 10% 16V X7R	
C107	065G040250931C Y	CAP 0402 5PF 0.25pF 50V NP0	
C106	065G040250931C Y	CAP 0402 5PF 0.25pF 50V NP0	
C108	065G040250931C Y	CAP 0402 5PF 0.25pF 50V NP0	
C701	065G080510615K T	CHIP 10uF 16V X5R 0805	
C403	065G0805106A5K M	CAP 0805 10UF 10% 10V X5R	
C443	065G080547515K T	CAP 0805 4.7UF 10% 16V X5R EMK212 BJ475	
C442	065G080547515K T	CAP 0805 4.7UF 10% 16V X5R EMK212 BJ475	
C444	065G080547515K T	CAP 0805 4.7UF 10% 16V X5R EMK212 BJ475	
C704	065G1206226A5K M	CAP CHIP 1206 22UF K 10V X5R	
C401	065G1206226A5K M	CAP CHIP 1206 22UF K 10V X5R	
FB402	071G 56K121 M	CHIP BEAD 0805 120R 25% MGLB2012E121T-L	
FB401	071G 56K121 M	CHIP BEAD 0805 120R 25% MGLB2012E121T-L	
FB101	071G 59G301 TA	CHIP BEAD 300OHM 200mA FCM1608KF-301T02	
FB104	071G 59K190 TA	CHIP BEAD 0603 19R 25% FCB1608KF-190T05	
FB103	071G 59K190 TA	CHIP BEAD 0603 19R 25% FCB1608KF-190T05	

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FB102	071G 59K190 TA	CHIP BEAD 0603 19R 25% FCB1608KF-190T05	
D101	093G 64 42SEM	SWITCHING BAV70 215mA 75V SOT-23	
U401	356G0562064B76	SCALER NT68169UFG/E TQFP-64	
U701	356G0563527BHF000C	LDO BL1117-33CX (cu) 1A 3.3V SOT-223	
U103	356G113316100C	EEPROM AT24C02C-SSHM-T(CU) 2Kb SOP-8	
	709G62550QS001	COMSUMPTIVE ASSY	
	Q52G1701 7 XW	MESH PRINTTING_PAPER	
E715	715G6255M0C000004I	MAIN PCB FR4 DS 54*60*1.2mm	
	KEPCDQAT	KEY BOARD	
CN001	095G820H 6DM02	HARNESS 6P(SANW)-6P(2008) 150mm	
LED01	381G00122YB0GP	LED yellow/Blue gp34032m/g307-zsy-50	
R003	061G0603000 JI	RST 0603 0.05R MAX 1/10W TA-I	
R003	061G0603000 JT	RST CHIP MAX 0R05 1/10W TZAI YUAN	
R005	061G06031001FF	RST CHIPR 1 KOHM +-1% 1/10W FENGHUA	
R005	061G06031001FI	1EST ONLY RST 0603 1K 1% 1/10W TA-I	
R002	061G06032001FF	RST CHIP 2KOHM 1% 1/10W FENGHUA	
R004	061G06032001FF	RST CHIP 2KOHM 1% 1/10W FENGHUA	
R004	061G06032001FI	TEST ONLY RST 0603 2K 1% 1/10W TA-I	
R002	061G06032001FI	TEST ONLY RST 0603 2K 1% 1/10W TA-I	
ZD003	093G 39GA01 T	RLZ5.6B	
ZD006	093G 39GA01 T	RLZ5.6B	
ZD005	093G 39GA01 T	RLZ5.6B	
ZD001	093G 39GA01 T	RLZ5.6B	
ZD004	093G 39GA01 T	RLZ5.6B	
ZD002	093G 39GA01 T	RLZ5.6B	
ZD007	093G 39GA01 T	RLZ5.6B	
SW001	077G603S AI CJ	TACT SWITCH AI 2PIN SEALED	
SW003	077G603S AI CJ	TACT SWITCH AI 2PIN SEALED	
SW005	077G603S AI CJ	TACT SWITCH AI 2PIN SEALED	
SW004	077G603S AI CJ	TACT SWITCH AI 2PIN SEALED	
SW002	077G603S AI CJ	TACT SWITCH AI 2PIN SEALED	
SW002	077G603S AI HJ	TACT SWITCH AI 2PIN SEALED	
SW004	077G603S AI HJ	TACT SWITCH AI 2PIN SEALED	
SW005	077G603S AI HJ	TACT SWITCH AI 2PIN SEALED	
SW003	077G603S AI HJ	TACT SWITCH AI 2PIN SEALED	
SW001	077G603S AI HJ	TACT SWITCH AI 2PIN SEALED	
	709G4407 QA001	COMSUPTIVE ASS'Y	
E715	715G4407K02000001S	KEY PCB FR1 SS 14*130*1.6mm	
	PLPCDA344TQG3	ADAPTER BOARD NA	
	H40G 45762429A	LABEL	

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U902	056G 139 9	IC EL817M(X) photocoupler DIP-4	
U901	056G 379205	AC/DC LD7904JGP7 DIP-6	
NR901	061G 58809MEN	RST NTCR 8OHM +/-20%/NMM01 4A XIANZHENG	
C904	063G107K224 UM	X2 CAP 0.22uF K 275VAC	
C907	067G 43Z68015L	EC 68uF M 450V RGT 18*31.5mm	
L901	073G 174 65 H2	LINE FILTER 30mH MIN	
L903	073G 253 91 H	IND CHOKE 3.5uH+-10% DADONG	
L903	073G 253 91 V	CHOKE COIL 3.5uH+-10%	
L905	073G 253191 H	IND CHOKE 1.1uH DADON	
L801	073G 253242 CP	CHOKE COIL 47UH 10% 2.5A L040462-6	
L801	073G 253242 DN	CHOKE COIL 47UH 10% LZ.CC013.M01 2.5A	
T901	080GL19P 39 N1 HF	MR 950UH 10% 20UH MAX EFD25 YUVA-207	
CN901	087G 50132C HC	AC Socket R/A 3P DB-14-05C	
BD901	093G 50460517	BRIDGE 2KBP08M-70 2A 800V KBP 80A	
D903	093G 60335	DIODE SR515 5A/150V DO-201AD	
D906	093G 60519	DIODE SR560-MK23 5A/60V DO-27 SECOS	
D801	093G 60924	SCHOTTKY SR510-22 5A 100V DO-201AD	
CN804	311GW200A06ABX	WAFER 2.0mm 6P	
CN902	395G082509D570	HARNESS 9P(SCN)-6P 160mm	
CN902	395G082509L570	HARNESS 9P(SCN)-6P 160mm	2nd source
	709G55270QM001	COMSUMPTIVE ASSY	
	Q55G 100625	TIN STICK_LOW ARGENTUM	
	055G 23524	WELDING FLUX WITHOUT PB	
Q801	057G 763141	MOSFET APM1105NUC-TRG 16A 100V TO-252-3	
R925	061G0603100 JF	RST CHIPR 10 OHM 5% 1/10W FENGHUA	
R925	061G0603100 JI	RST 0603 10R 5% 1/16W TA-I	
R917	061G06031001FI	1EST ONLY RST 0603 1K 1% 1/10W TA-I	
R917	061G06031001FT	RST CHIP 1K 1/10W 1%	
R929	061G0603222 JF	RST CHIPR 2.2K OHM +-5% 1/10W FENGHUA	
R929	061G0603222 JT	RST CHIP 2K2 1/10W 5% TZAI YUAN	
R916	061G0603471 JI	TEST ONLY RST 0603 470R 5% 1/16W TA-I	
R916	061G0603471 JT	RST CHIPR 470OHM +-5% 1/10W TZAI YUAN	
R912	061G0603512 JI	RST 0603 5.1K 5% 1/16W TA-I	
R912	061G0603512 JT	RST 0603 5.1K 5% 1/10W	
R807	061G0805100 JF	RST CHIPR 10 OHM +-5% 1/8W FENGHUA	
R804	061G0805100 JF	RST CHIPR 10 OHM +-5% 1/8W FENGHUA	
R804	061G0805100 JI	RST 0805 10R 5% 1/8W TA-I	
R807	061G0805100 JI	RST 0805 10R 5% 1/8W TA-I	
R815	061G08051004FF	RST CHIPR 1 MOHM +-1% 1/8W FENGHUA	
R815	061G08051004FI	RST 0805 1M 1% 1/8W	

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R806	061G0805101 JF	RST 0805 100R 5% 1/8W	
R806	061G0805101 JI	RST 0805 100R 5% 1/8W	
R805	061G0805104 JI	RST 0805 100K 5% 1/8W	
R805	061G0805104 JY	RST CHIPR 100KOHM 1/8W YAGEO	
R820	061G0805109 JF	RST CHIPR 1 OHM +- 5% 1/8W FENGHUA	
R821	061G0805109 JF	RST CHIPR 1 OHM +- 5% 1/8W FENGHUA	
R822	061G0805109 JF	RST CHIPR 1 OHM +- 5% 1/8W FENGHUA	
R819	061G0805109 JF	RST CHIPR 1 OHM +- 5% 1/8W FENGHUA	
R819	061G0805109 JI	RST 0805 1R 5% 1/8W TA-I	
R822	061G0805109 JI	RST 0805 1R 5% 1/8W TA-I	
R821	061G0805109 JI	RST 0805 1R 5% 1/8W TA-I	
R820	061G0805109 JT	RST CHIP 1R 1/8W 5% TZAI YUAN	
R923	061G0805152 JF	RST CHIPR 1.5KOHM +-5% 1/8W FENGHUA	
R923	061G0805152 JT	RST CHIP 1K5 1/8W 5% TZAI YUAN	
R810	061G08051602FF	RST CHIPR 16KOHM +-1% 1/8W FENGHUA	
R810	061G08051602FT	RST CHIPR 16K +-1% 1/8W TZAI YUAN	
R809	061G08052003FI	RST 0805 200K 1% 1/8W TA-I	
R809	061G08052003FT	RST CHIP 200K 1/8W 1%	
R811	061G08052401FF	RST CHIPR 2.4KOHM +-1% 1/8W FENGHUA	
R811	061G08052401FT	RST CHIP R 2K4 +/-1% 1/8W	
R915	061G08053002FF	RST CHIPR 30KOHM +-1% 1/8W FENGHUA	
R913	061G08053002FF	RST CHIPR 30KOHM +-1% 1/8W FENGHUA	
R913	061G08053002FT	RST CHIP 30K 1/8W 1%	
R915	061G08053002FT	RST CHIP 30K 1/8W 1%	
R802	061G0805304 JF	300KOHM +-5% 1/8W FENGHUA	
R803	061G0805304 JF	300KOHM +-5% 1/8W FENGHUA	
R802	061G0805304 JI	RST CHIPR 300K OHM +-5% 1/8W	
R803	061G0805304 JI	RST CHIPR 300K OHM +-5% 1/8W	
R816	061G08055102FF	RST CHIPR 51KOHM +-1% 1/8W FENGHUA	
R816	061G08055102FT	RST CHIP 51K 1/8W 1%	
R905	061G1206101 JI	RST 1206 100R 5% 1/4W	
R904	061G1206101 JI	RST 1206 100R 5% 1/4W	
R906	061G1206101 JI	RST 1206 100R 5% 1/4W	
R905	061G1206101 JT	RST CHIPR 100 OHM +-5% 1/4W TZAI YUAN	
R904	061G1206101 JT	RST CHIPR 100 OHM +-5% 1/4W TZAI YUAN	
R906	061G1206101 JT	RST CHIPR 100 OHM +-5% 1/4W TZAI YUAN	
R818	061G1206103 JF	RST CHIPR 10KOHM +-5% 1/4W FENGHUA	
R801	061G1206103 JF	RST CHIPR 10KOHM +-5% 1/4W FENGHUA	
R801	061G1206103 JI	RST 1206 10K 5% 1/4W	
R818	061G1206103 JI	RST 1206 10K 5% 1/4W	

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R921	061G1206104 JI	RST 1206 100K 5% 1/4W	
R922	061G1206104 JI	RST 1206 100K 5% 1/4W	
R919	061G1206104 JI	RST 1206 100K 5% 1/4W	
R920	061G1206104 JI	RST 1206 100K 5% 1/4W	
R920	061G1206104 JT	RST CHIPR 100KOHM +-5% 1/4W TZAI YUAN	
R922	061G1206104 JT	RST CHIPR 100KOHM +-5% 1/4W TZAI YUAN	
R921	061G1206104 JT	RST CHIPR 100KOHM +-5% 1/4W TZAI YUAN	
R919	061G1206104 JT	RST CHIPR 100KOHM +-5% 1/4W TZAI YUAN	
R902	061G1206105 JF	RST CHIPR 1 MOHM +-5% 1/4W FENGHUA	
R901	061G1206105 JF	RST CHIPR 1 MOHM +-5% 1/4W FENGHUA	
R900	061G1206105 JF	RST CHIPR 1 MOHM +-5% 1/4W FENGHUA	
R901	061G1206105 JI	RST 1206 1M 5% 1/4W	
R900	061G1206105 JI	RST 1206 1M 5% 1/4W	
R902	061G1206105 JI	RST 1206 1M 5% 1/4W	
R926	061G1206159 JF	RST CHIPR 1.5 OHM +-5% 1/4W FENGHUA	
R926	061G1206159 JI	RST CHIPR 1.5 OHM +-5% 1/4W 1206	
R812	061G1206308 JI	RST CHIPR 0.3 OHM +-5% 1/4W 1206	
R813	061G1206308 JI	RST CHIPR 0.3 OHM +-5% 1/4W 1206	
R812	061G1206308 JT	RST 1206 0.3R 5% 1/4W	
R813	061G1206308 JT	RST 1206 0.3R 5% 1/4W	
R907	061G1206470 JI	RST 47 OHM 5% 1/4W TA-I	
R909	061G1206470 JI	RST 47 OHM 5% 1/4W TA-I	
R908	061G1206470 JI	RST 47 OHM 5% 1/4W TA-I	
R909	061G1206470 JT	RST CHIPR 47 OHM +-5% 1/4W TZAI YUAN	
R908	061G1206470 JT	RST CHIPR 47 OHM +-5% 1/4W TZAI YUAN	
R907	061G1206470 JT	RST CHIPR 47 OHM +-5% 1/4W TZAI YUAN	
R910	061G1206681 JF	RST 1206 680R 5% 1/4W FENGHUA	
R817	061G1206681 JF	RST 1206 680R 5% 1/4W FENGHUA	
R910	061G1206681 JT	RST CHIPR 680 OHM +-5% 1/4W TZAI YUAN	
R817	061G1206681 JT	RST CHIPR 680 OHM +-5% 1/4W TZAI YUAN	
C916	065G060310332K F	CAP CHIP 0603 10NF K 50V X7R	
C916	065G060310332K Y	CAP CHIP 0603 10N 50V X7R +/-10%	
C812	065G080510131J A	CAP CHIP 0805 100pF J 50V NPO	
C812	065G080510131J F	CAP CHIP 0805 100PF J 50V NPO	
C815	065G080510232K F	CAP 0805 1000PF 10% 50V X7R	
C803	065G080510232K F	CAP 0805 1000PF 10% 50V X7R	
C905	065G080510232K F	CAP 0805 1000PF 10% 50V X7R	
C815	065G080510232K Y	CAP CHIP 0805 1N 50V X7R +/-10%	
C905	065G080510232K Y	CAP CHIP 0805 1N 50V X7R +/-10%	
C803	065G080510232K Y	CAP CHIP 0805 1N 50V X7R +/-10%	

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C802	065G080510332K F	CAP 0805 10NF K 50V X7R	
C802	065G080510332K Y	CAP CHIP 0805 10N 50V X7R +/-10%	
C814	065G080510432K F	CAP CHIP 0805 0.1UF K 50V X7R	
C915	065G080510432K F	CAP CHIP 0805 0.1UF K 50V X7R	
C917	065G080510432K F	CAP CHIP 0805 0.1UF K 50V X7R	
C901	065G080510432K F	CAP CHIP 0805 0.1UF K 50V X7R	
C901	065G080510432K Y	CAP CHIP 0805 100N 50V X7R +/-10%	
C917	065G080510432K Y	CAP CHIP 0805 100N 50V X7R +/-10%	
C915	065G080510432K Y	CAP CHIP 0805 100N 50V X7R +/-10%	
C806	065G080522432K F	CAP 0805 220NF 10% 50V X7R	
C806	065G080522432K Y	CAP CHIP 0805 220N 50V X7R +/-10%	
C805	065G080522512K M	CAP 0805 2.2UF 10% 16V X7R	
C807	065G080547432K 3	CAP 0805 470NF 10% 50V X7R	
C807	065G080547432K F	0805 0.47UF K 50V X7R	
C804	065G080547432K F	0805 0.47UF K 50V X7R	
C804	065G080547432K T	CAP CHIP 0805 0.47UF K 50V X7R	
C813	065G080568131J Y	CAP CHIP 0805 680P 50V NP0 +/-5%	
C920	065G120622272K F	CAP 1206 2.2NF 10% 500V X7R	
C911	065G120622272K F	CAP 1206 2.2NF 10% 500V X7R	
C910	065G120622272K F	CAP 1206 2.2NF 10% 500V X7R	
C919	065G120622272K F	CAP 1206 2.2NF 10% 500V X7R	
C919	065G120622272K Y	CER 1206 2N2 500V X7R 10%	
C910	065G120622272K Y	CER 1206 2N2 500V X7R 10%	
C920	065G120622272K Y	CER 1206 2N2 500V X7R 10%	
C911	065G120622272K Y	CER 1206 2N2 500V X7R 10%	
ZD902	093G 39S 38 T	PTZ 9.1B	
U801	356G0700016050	LED DRIVER OZ9998MGN SOP-16	
Q801	357G0600974	MOSFET EMBA2N10A 14A 100V 50W TO-252	
	709G55270QS001	COMSUMPTIVE ASSY	
	006G 31500	EYELET	FOR CN901 L/N
U903	056G 563355	Shunt Regu TL431G-A-TA TO-92 42V 150mA	
Q903	057G 761 16	TRA KTD1028 KEC	
R918	061G152M25152T HX	RST MOF 250R 5% 2W	
R918	061G152M25152T SY	RST MOF 250R 5% 2W	
R903	061G152M39852T HX	RST MOF 0.39R 5% 2W	
R903	061G152M39852T SY	RST MOF 0.39R 5% 2W	
C906	065G 2K152 2T6921	CAP CER 1500pF K 2KV Y5P	
C902	065G306K68123R	CAP Y1 680PF 10% 250V Y5P	
C903	065G306K68123R	CAP Y1 680PF 10% 250V Y5P	

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C900	065G306M10233R	CAP Y1 1NF 20% 250V Y5U	
C921	065G500K3322HT	CAP CER 3.3NF 10% 50V X7R CT4G-0805-2X1	
C816	065G517K102 2T6921	CAP CER 1000PF K 500V Y5P	
C909	067G 2041022KT	CAP CS 1000UF 20% 10V 10*12 2000 hr 6100	
C909	067G 2041022LT	CAP CS 1000uF 20% 10V 10*12 2000 hr 6.1A	
C809A	067G 4154799LT	EC 4.7UF 20% 100V 8*11.5	
C801	067G215D3314KT	EC 330UF 20% 25V 10*12 ED	
C912	067G215S6814KT	EC 680UF 20% 25V 12.5*16 ED -	
C908	067G215Y4707KT	EC 47uF 20% 50V 6.3*11mm EG	
FB801	071G 55 29	FERRITE BEAD	
FB901	071G 55 29	FERRITE BEAD	
FB803	071G 55 29	FERRITE BEAD	
FB804	071G 55 29	FERRITE BEAD	
F901	084G 56 3 C	FUSE 3.15A 250V MST 3.15A 250V	
F902	084G 56 5 C	FUSE 5A 250V MST 5A 250V	
ZD901	093G 3918252T	ZENER MTZJ T-72 18B 16.82 0.5 DO-34	
D902	093G 6026T52T	CTIFIER DIODE FR107	
D901	093G 6026T52T	CTIFIER DIODE FR107	
ZD901	093G 39G 11	ZENER MTZJ18B 18V 0.5W DO-35	
J802	095G 90 23	JUMP WIRE - -	
J811	095G 90 23	JUMP WIRE - -	
J919	095G 90 23	JUMP WIRE - -	
J901	095G 90 23	JUMP WIRE - -	
J902	095G 90 23	JUMP WIRE - -	
J803	095G 90 23	JUMP WIRE - -	
J808	095G 90 23	JUMP WIRE - -	
J807	095G 90 23	JUMP WIRE - -	
J801	095G 90 23	JUMP WIRE - -	
J810	095G 90 23	JUMP WIRE - -	
J921	095G 90 23	JUMP WIRE - -	
J910	095G 90 23	JUMP WIRE - -	
J805	095G 90 23	JUMP WIRE - -	
J809	095G 90 23	JUMP WIRE - -	
J804	095G 90 23	JUMP WIRE - -	
J903	095G 90 23	JUMP WIRE - -	
J904	095G 90 23	JUMP WIRE - -	
J923	095G 90 23	JUMP WIRE - -	
FB802	095G 90 23	JUMP WIRE - -	
R827	095G 90 23	JUMP WIRE - -	
J920	095G 90 23	JUMP WIRE - -	

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J806	095G 90 23	JUMP WIRE - -	
C902	365G306K6812DR	CAP Y1 680PF 10% 250V Y5P	
C903	365G306K6812DR	CAP Y1 680PF 10% 250V Y5P	
C912	367G215S6814AT	EC 680UF 20% 25V - 12.5*16 RF	
C801	367G215X3314AT	EC 330UF 20% 25V 10*12 RF	
C908	367G215X4707AT	EC 47uF 20% 50V - 6.3*11mm RG	
C914	367G415X4713AT	EC 470uf 20% 16V 10X13 RS	
	709G55270QA001	COMSUMPTIVE ASSY	
	052G 1191	GLASS CLOTH	
	052G 1192	GLASS CLOTH	
	715G5527P01004001M	PWR PCB FR1 SS 122*158*1.6MM	
GND2	Q09G601500100100RJ	GND TERMINAL	
GND1	Q09G601500100100RJ	GND TERMINAL	
T901	S80GL19P39V1HF	X'FMR - - - - -	