Service
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Service Manual

Horizontal Frequency

30-80 kHz

TABLE OF CONTENTS

SAFETY NOTICE

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

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

Revision List

Version	Date	Revision History	TPV Model Name
A00	Aug-06-2009	Initial release	T8RCM6NTXNE1ANJ

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

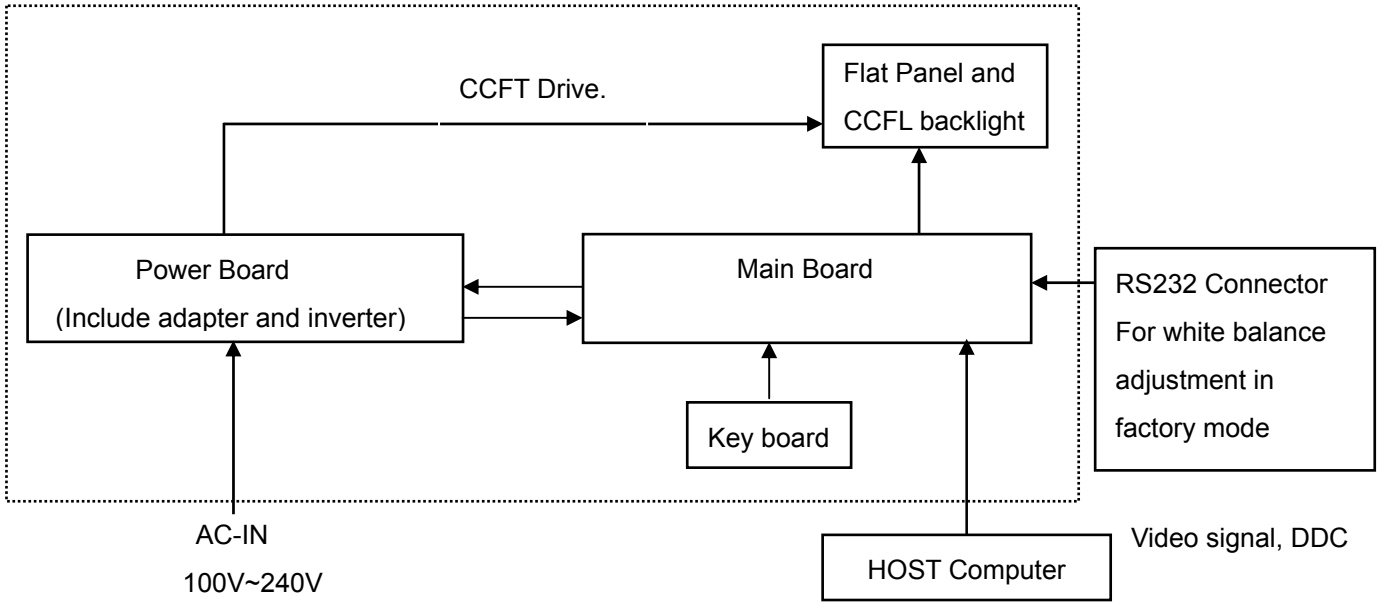
LCD Panel	Model number	P951WA
	Driving system	TFT Color LCD
	Viewable Image Size	470mm diagonal
	Pixel pitch	0.3mm(H) x 0.3mm(V)
	Video	R, G, B Analog interface
	Separate Sync.	H/V TTL
	Display Color	16.7M Colors
	Dot Clock	85.5 MHz
Resolution	Horizontal scan range	30 kHz - 80 kHz
	Horizontal scan Size(Maximum)	409.8mm
	Vertical scan range	55 Hz - 75 Hz
	Vertical scan Size(Maximum)	230.4mm
	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, Positive
	Power Source	100~240VAC, 50/60Hz
	Power Consumption	Active < 20W
		Standby < 0.6 W
Physical Characteristics	Connector Type	15-pin Mini D-Sub
	Signal Cable Type	Detachable
	Dimensions & Weight:	
	Height (with base)	348mm
	Width	459.4mm
	Depth	149.6mm
	Weight (monitor only)	3.82 kg
	Weight (with packaging)	5.0kg
Environmental	Temperature:	
	Operating	0° to 40°
	Non-Operating	-20°to 60°
	Humidity:	
	Operating	10% to 85% (non-condensing)
	Non-Operating	5% to 80% (non-condensing)
	Altitude:	
	Operating	0~ 3000m (0~ 10000 ft)
	Non-Operating	0~ 5000m (0~ 15000 ft)

2. LCD Monitor Description

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

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

Monitor Block Diagram



3. Operation Instructions

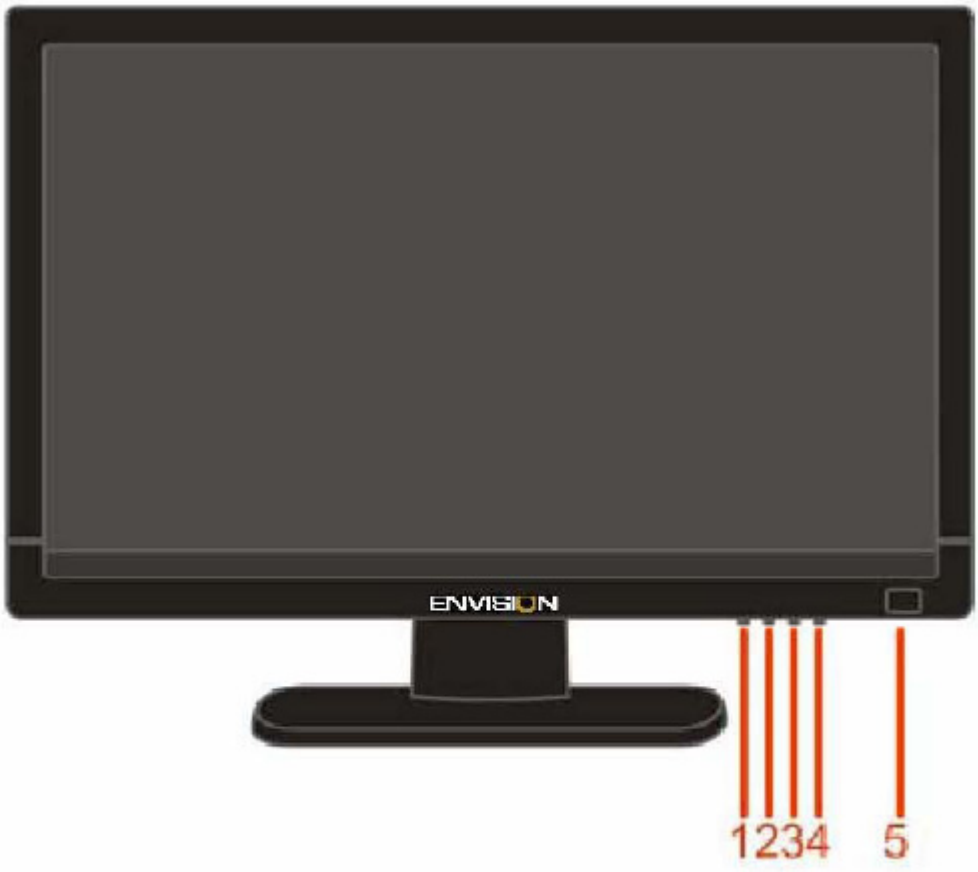
3.1 General Instructions

Press the power button to turn the monitor on or off. The 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.
- Press the power button to turn on the monitor, the power indicator will light up.

3.2 Control Buttons



1	Auto/Source/Exit
2	Eco Mode(DCR)/--
3	4:3 or Wide/+
4	Menu / Enter
5	Power

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-buttonto 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.

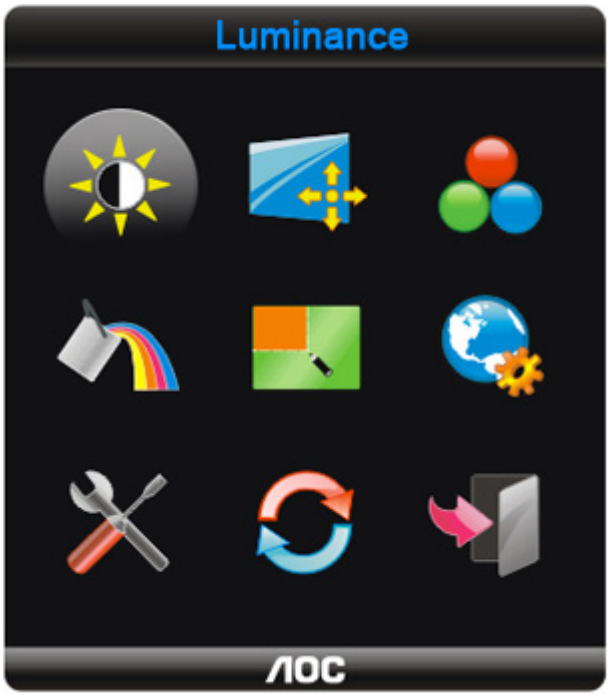
3.Press+ or - to change the settings of the selected function. To exit and save, select the exit function. If you want to adjust any other function, repeat steps 2-3.

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.

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

6.4:3 or wide image ratio hot key: When 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 disalbe to adjust.)

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



OSD functions

	Luminance	Adjust Range	Description
	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		
	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 Temp.		
	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	User-R	Red Gain from Digital-register
		User-G	Green Gain Digital-register.
		User-B	Blue 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	14-100	Adjust Frame Size
	Brightness	0-100	Adjust Frame Brightness
	Contrast	0-100	Adjust Frame Contrast
	Position	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		
	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		
	Input Select	Auto	Select to Auto Detect input signal
		Analog	Select Analog Sigal Source as Input
		Digital	Select Digital 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
	Information		Show the information of the main image and sub-image source
	Reset		
	Reset	yes or no	Reset the menu to default
	Exit		
	Exit		Exit the main OSD

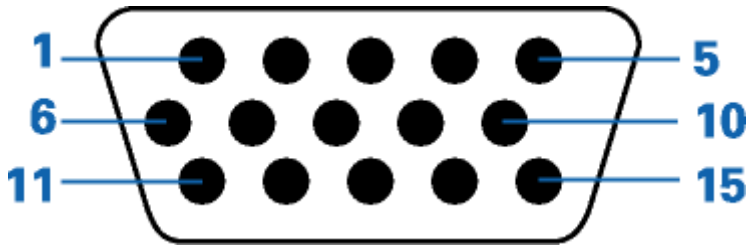
4. Input/Output Specification

4.1 Input Signal Connector

D-Sub 15pin Connector

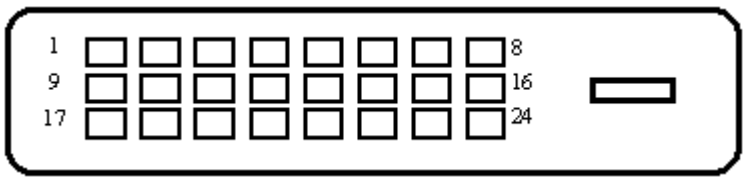
Pin No.	Description	Pin No.	Description
1	Video-Red	9	+5V
2	Video-Green	10	Ground
3	Video-Blue	11	N.C.
4	N.C.	12	DDC-Serial data
5	Detect Cable	13	H-sync
6	GND-R	14	V-sync
7	GND-G	15	DDC-Serial clock
8	GND-B		

VGA connector layout



Digital Connectors

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



4.2 Factory Preset Display Modes

Stand	Resolution	Horizontal Frequency(KHz)	Vertical Frequency(Hz)
VGA	640×480 @60Hz	31.469	59.940
VGA	640×480 @67Hz	35.000	66.667
VGA	640×480 @72Hz	37.861	72.809
VGA	640×480 @75Hz	37.500	75.000
Dos-mode	720×400 @70Hz	31.469	70.087
SVGA	800×600 @56Hz	35.156	56.250
SVGA	800×600 @60Hz	37.879	60.317
SVGA	800×600 @72Hz	48.077	72.188
SVGA	832×624 @75Hz	46.875	75.000
Mac-mode	832×624 @75Hz	49.725	74.500
XGA	1024×768 @60Hz	48.363	60.004
XGA	1024×768 @70Hz	56.476	70.069
XGA	1024×768 @72Hz	57.500	72.074
XGA	1024×768 @75Hz	60.023	75.029
wXGA	1360×768 @60Hz	47.712	60.015
wXGA	1366×768 @60Hz	59.856	47.765

4.3. Panel Specification

4.3.1 General Feature

CLAA185WA02 is 18.51" color TFT-LCD (Thin Film Transistor Liquid Crystal Display) module composed of LCD panel, driver ICs, control circuit and backlight. By applying 6bit+Hi-FRC digital data,1366*768, 16.7M-color images are displayed on the 18.51" diagonal screen. Input power voltage is 5.0V for LCD driving. Inverter for backlight is not included in this module. General specification are summarized in the following table:

ITEM	SPECIFICATION
Display Area(mm)	409.8(H)x230.4(V)
Number of Pixels	1366(H)x768(V)
Pixel Pitch(mm)	0.3(H)x0.3 (V)
Color Pixel Arrangement	RGB vertical stripe
Display Mode	normally white, TN
Number of Colors	16.7M(6 Bit+Hi-FRC)
Brightness(cd/m^2)	300 cd/m^2(Typ.) (Center point, Lamp current=7.5 mA)
Viewing Angle	170 / 160
Surface Treatment	Anti-glare, Hard coating(3H)
Power consumption(W)	14.5(typ)
Module Size(mm)	430.37(W)x254.6(H)x16.5(D)
Module Weight(g)	2000(typ)
Backlight Unit	CCFL, 2 tables, edge-light(top*1/bottom*1)

4.3.2 Optical Characteristics

Ta=25℃，VCC=5.0V

ITEM		SYMBOL	CONDITION	min	typ	max	UNIT
Contrast Ratio		CR	θ=ψ= 0°	700	1000	--	--
Luminance(CEN)		L	θ=ψ= 0°	240	300	--	cd/m^2
9P Uniformity		ΔL	θ=ψ= 0°	75	--	--	%
Response Time		Tr	θ=ψ= 0°	--	5	10	ms
		Tf	θ=ψ= 0°	--			ms
Crosstalk		CT	θ=ψ= 0°	0	--	1	%
Viewing Angle	Horizontal	Ψ(L/R)	CR≧10	140	160	--	~~*4)~~
	Vertical	θ(U/D)		140	160	--	
Color Coordinates	White	X Y	θ=ψ= 0°	0.283 0.299	0.313 0.329	0.343 0.359	~~*3)~~
	Red	X Y		0.619 0.304	0.649 0.334	0.679 0.364	
	Green	X Y		0.193 0.580	0.283 0.610	0.313 0.640	
	Blue	X Y		0.116 0.0510	0.146 0.081	0.176 0.111	
Gamut		CG	θ=ψ= 0°	70		--	%
Gamma		γ	VESA	2.0	2.2	2.4	--

4.3.3 Electrical Characteristics

(1).TFT-LCD

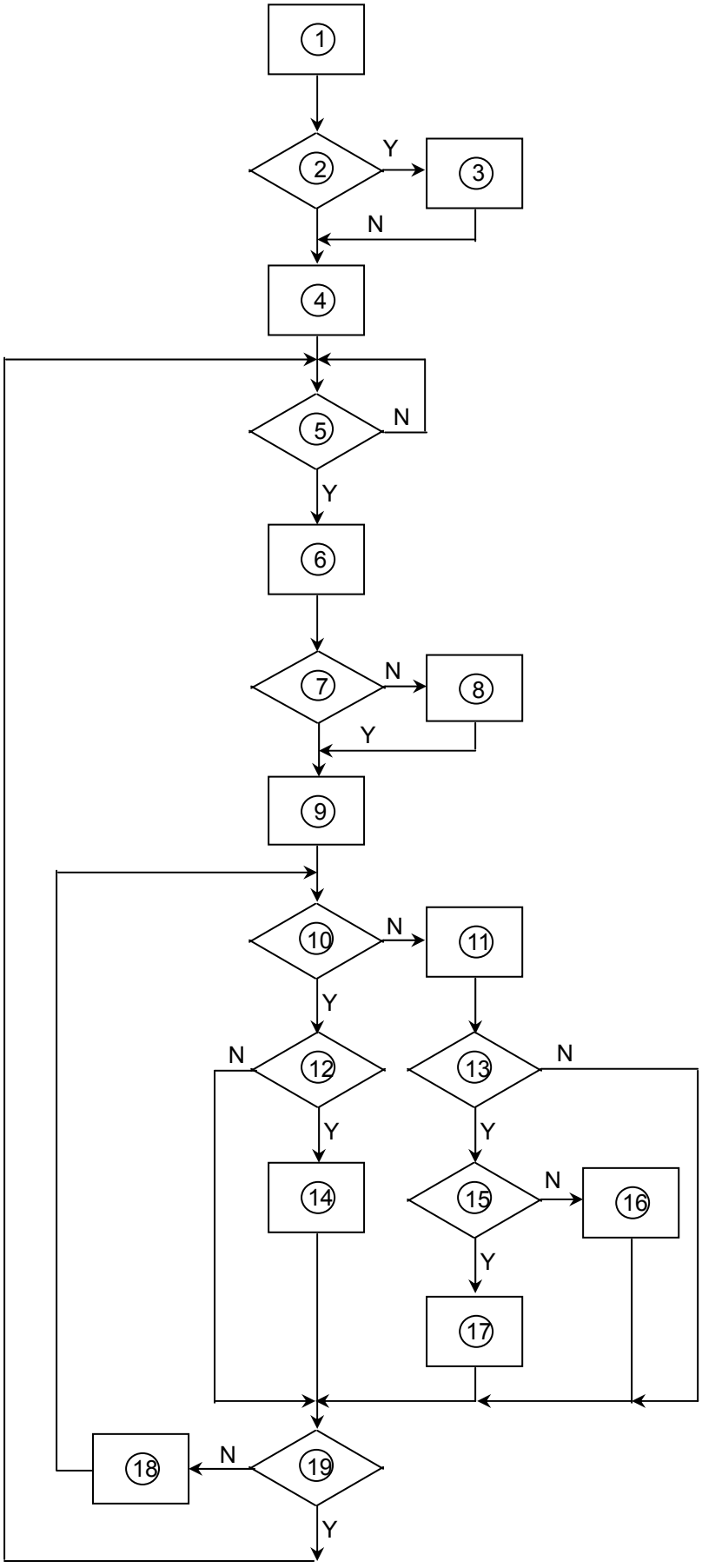
ITEM		SYMBOL	MIN	TYP	MAX	UNIT
Power Supply Voltage for LCD		Vcc	4.5	5.0	5.5	V
Power Supply Current for LCD		Icc	-	700	1000	mA
Permissive Input Ripple Voltage		VRP	-	-	100	mVp-p
Differential impedance		Zm	90	100	110	Ω
Logic input voltage LVDS:IN+，IN-	Common Mode Voltag	VCM	1.125	1.25	1.375	V
	Differential Input Voltage	|VID|	250	350	450	mV
	Threshold Voltage(High)	VTH	-	-	100	mV
	Threshold Voltage(Low)	VTL	-100	-	-	mV
LCD Inrush Current		Inrush			3	A
Power consumption		P		3.5	5.5	W

(2).Backlight

ITEM	SYMBOL	MIN	TYP	MAX	UNIT	REMARK
B/L Voltage	VL	657	740	814	Vrms	IL=7.5mA Ta=25℃
B/L Current	IL	7	7.5	8	mArms	*1) Ta=25℃
B/L operating current	ILO	3	7.5	8	mArms	*1) Ta=25℃
B/L power consumption	WL	—	11	—	W	IL=7.5mA Ta=25℃
Inverter Frequency	FI	40	50	60	kHz	*2) Ta=25℃
Starting Lamp Voltage	VS	—	—	1700	Vrms	Ta=0℃
		—	—	1400	Vrms	Ta=25℃

5. Block Diagram

5.1 Software Flow Chart

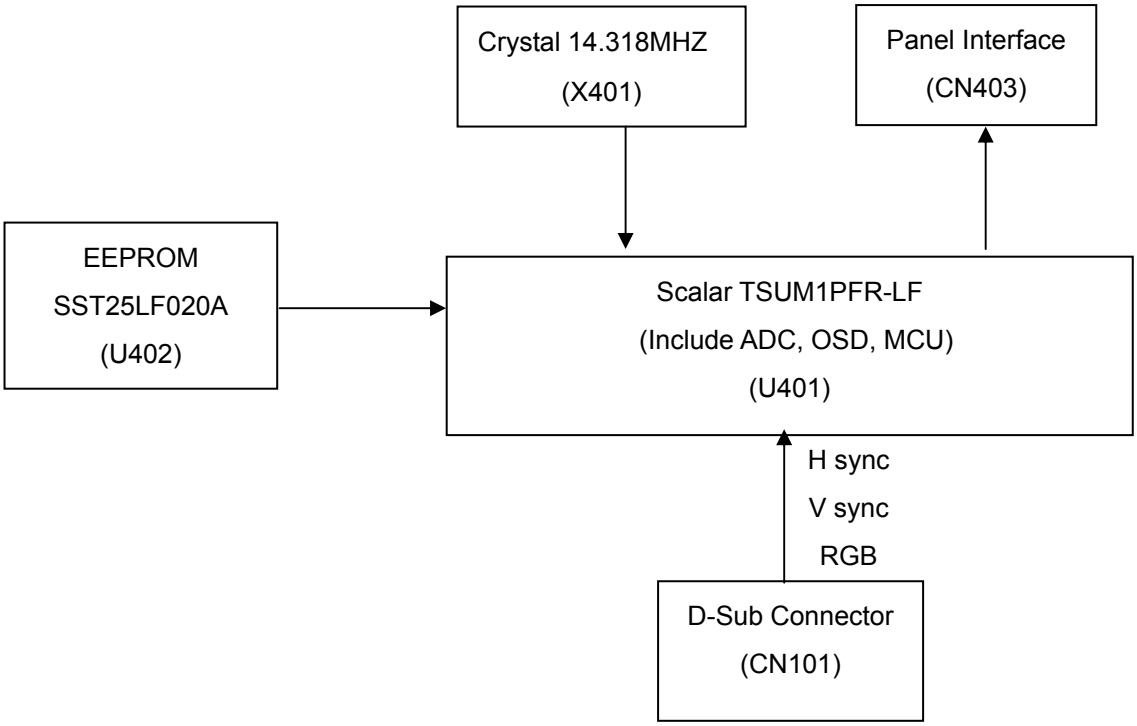


REMARK:

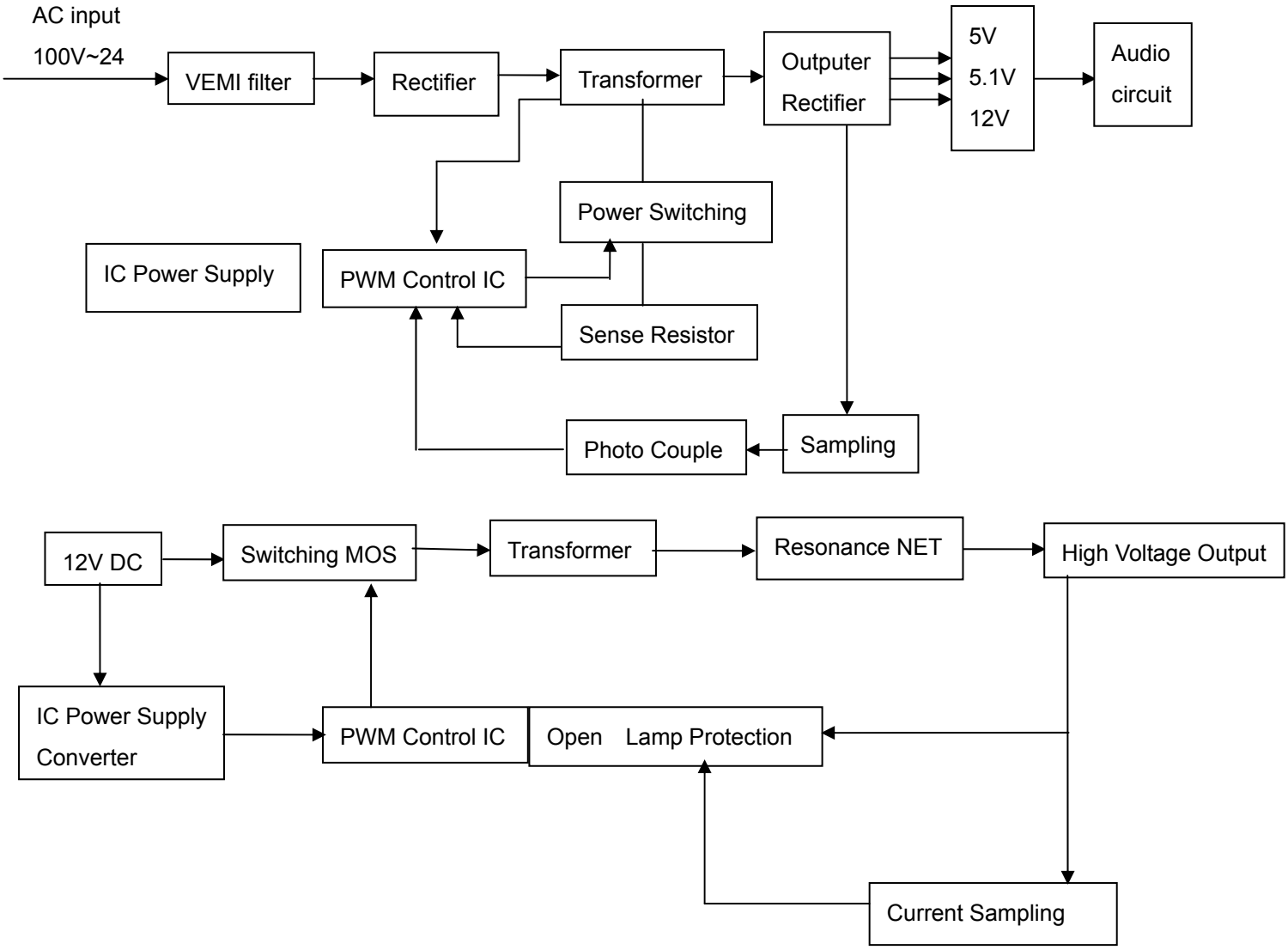
1) MCU initialize.
2) Is the EEprom blank?
3) Program the EEprom by default values.
4) Get the PWM value of brightness from EEprom.
5) Is the power key pressed?
6) Clear all global flags.
7) Are the AUTO and SELECT keys pressed?
8) Enter factory mode.
9) Save the power key status into EEprom. Turn on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

5.2 Electrical Block Diagram

Main Board



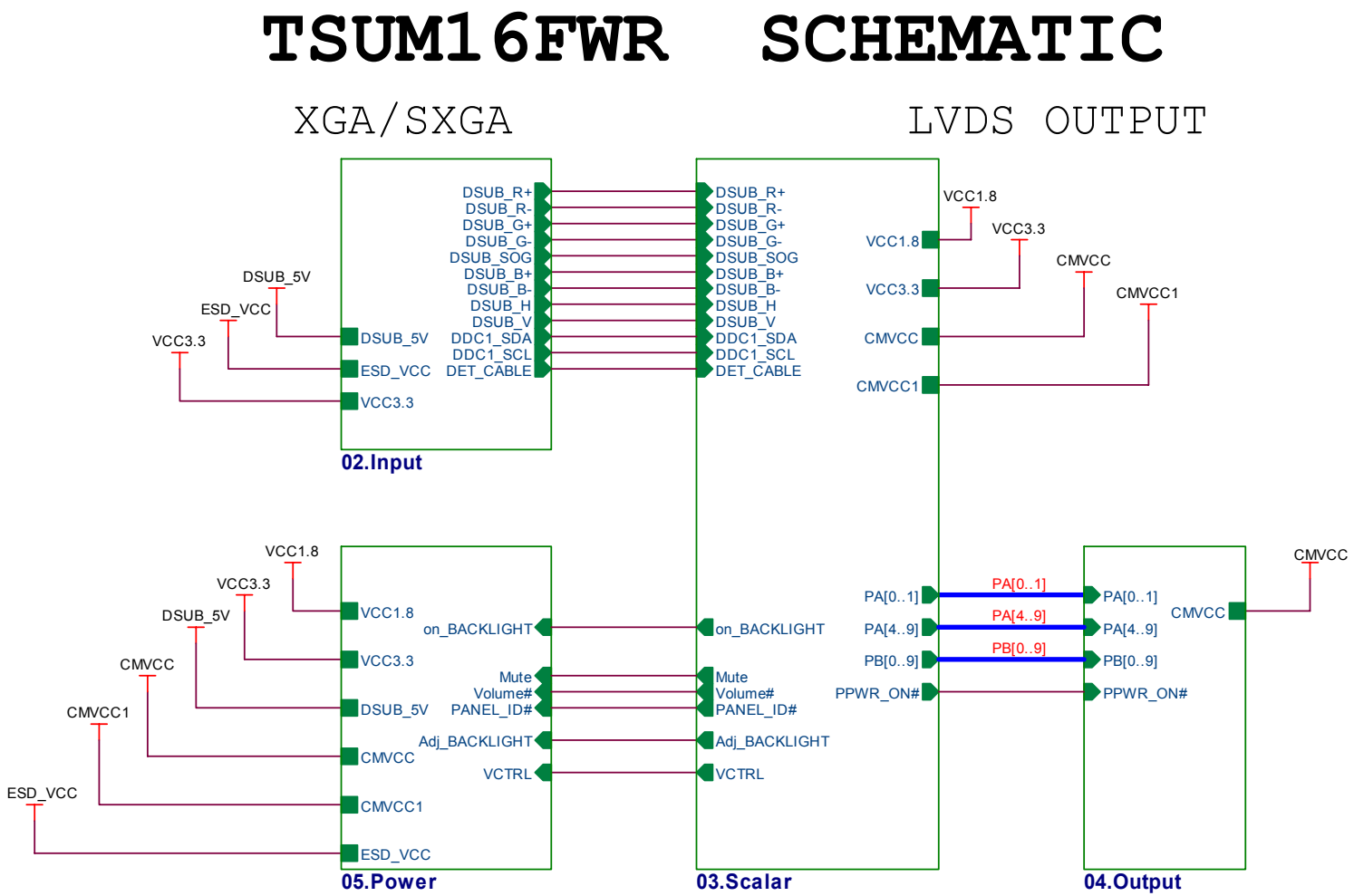
Power Board



6. Schematic

6.1 Main Board

715G2904 1 2



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結隔瓜細腹		TPV MODEL		Rev	1C-2
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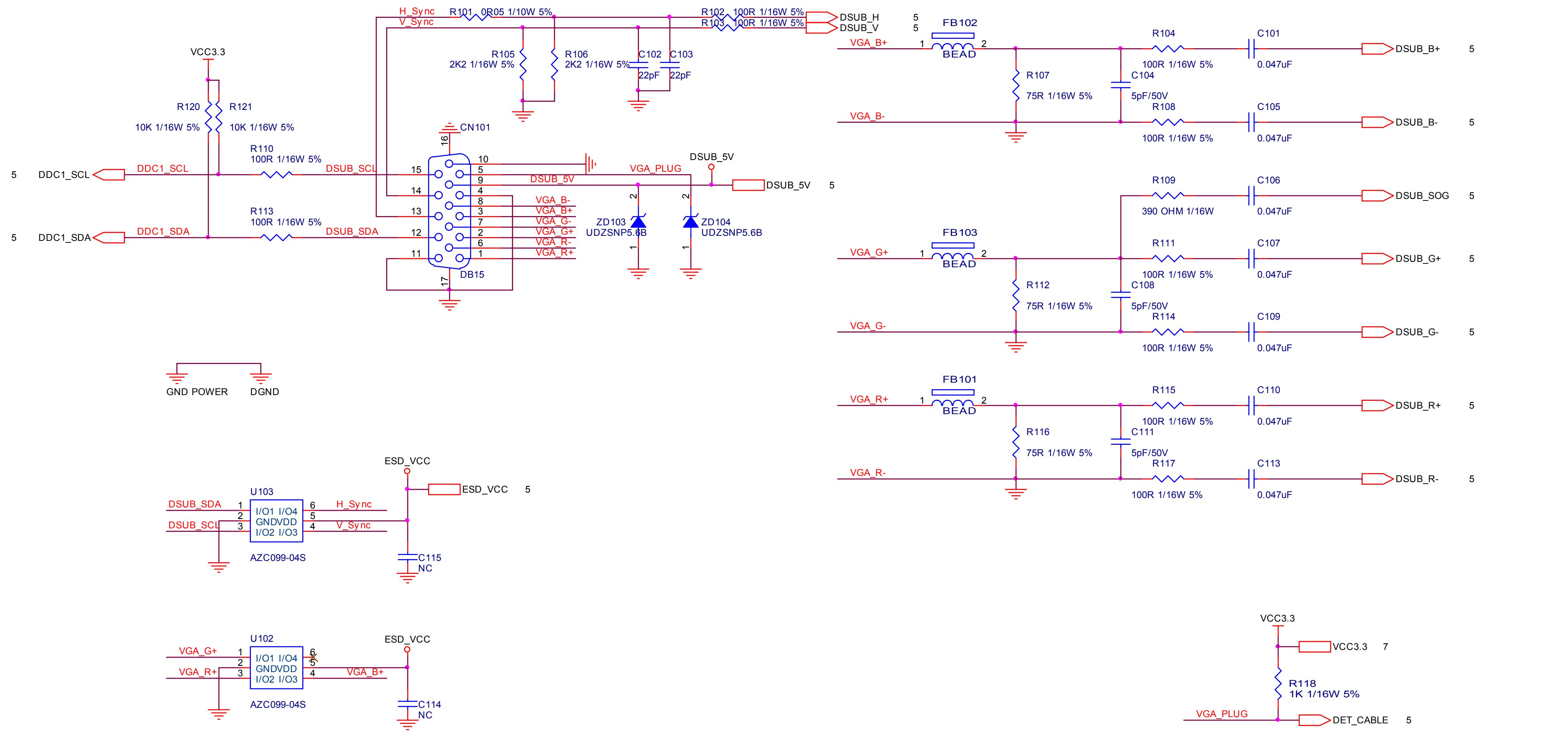

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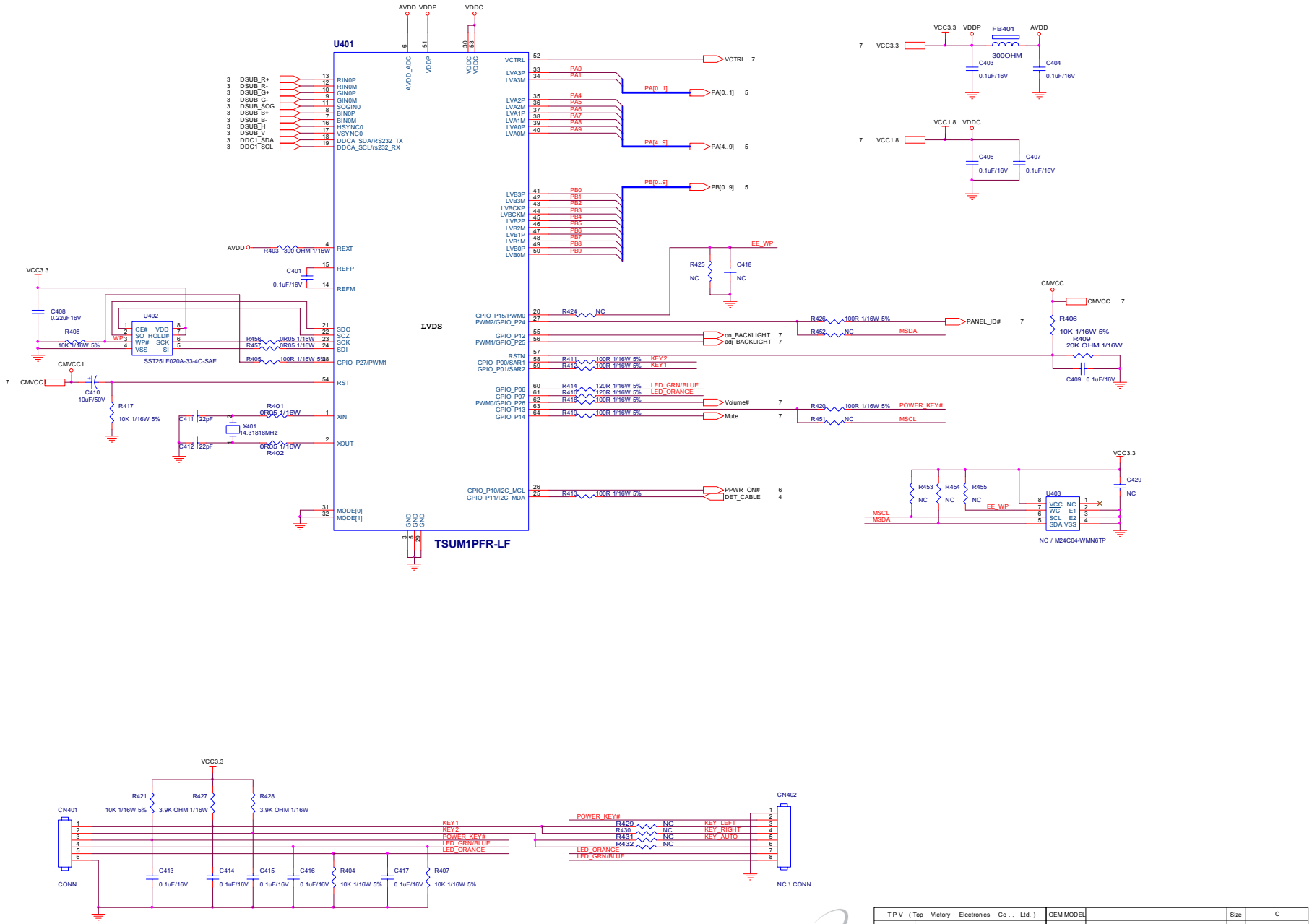

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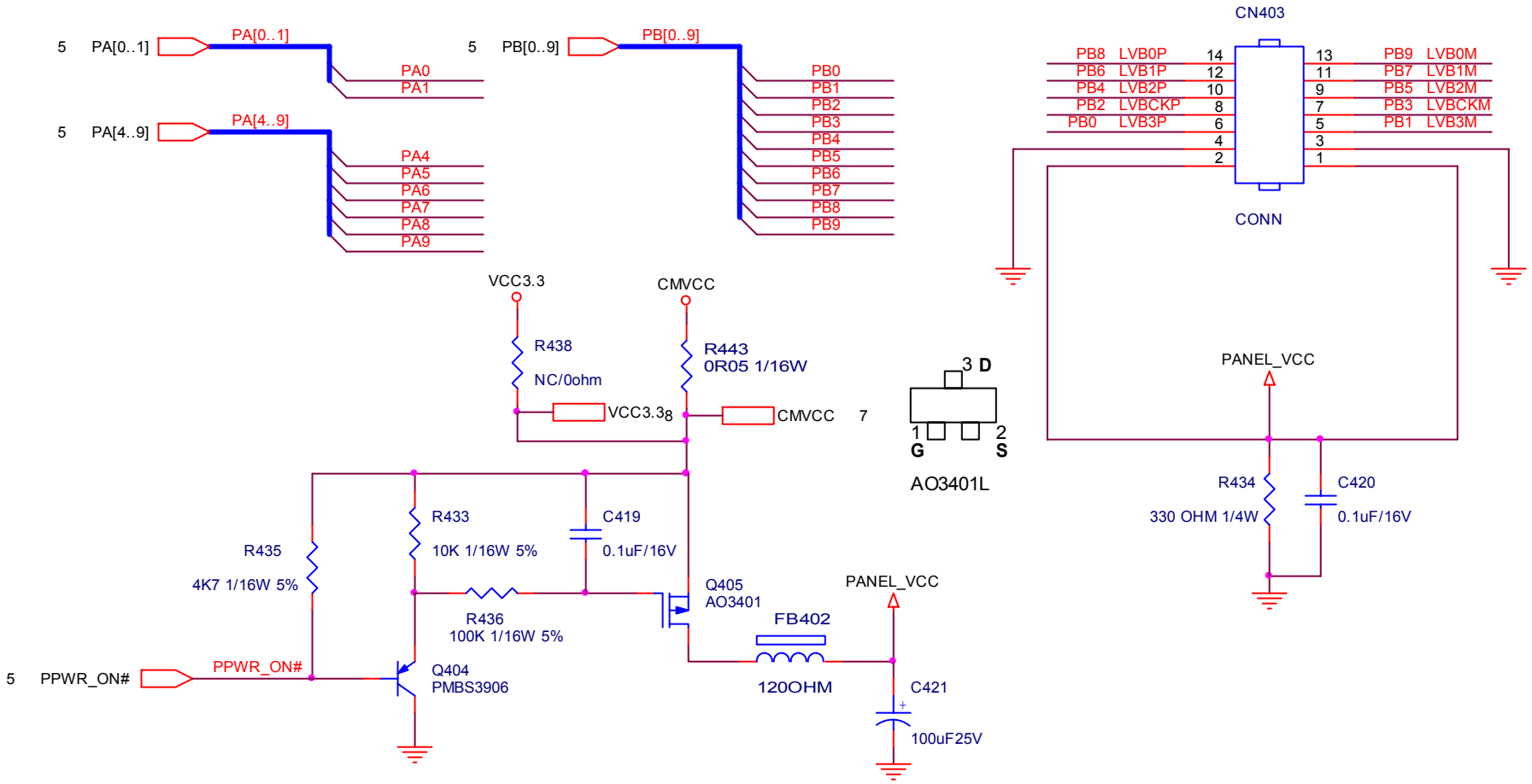

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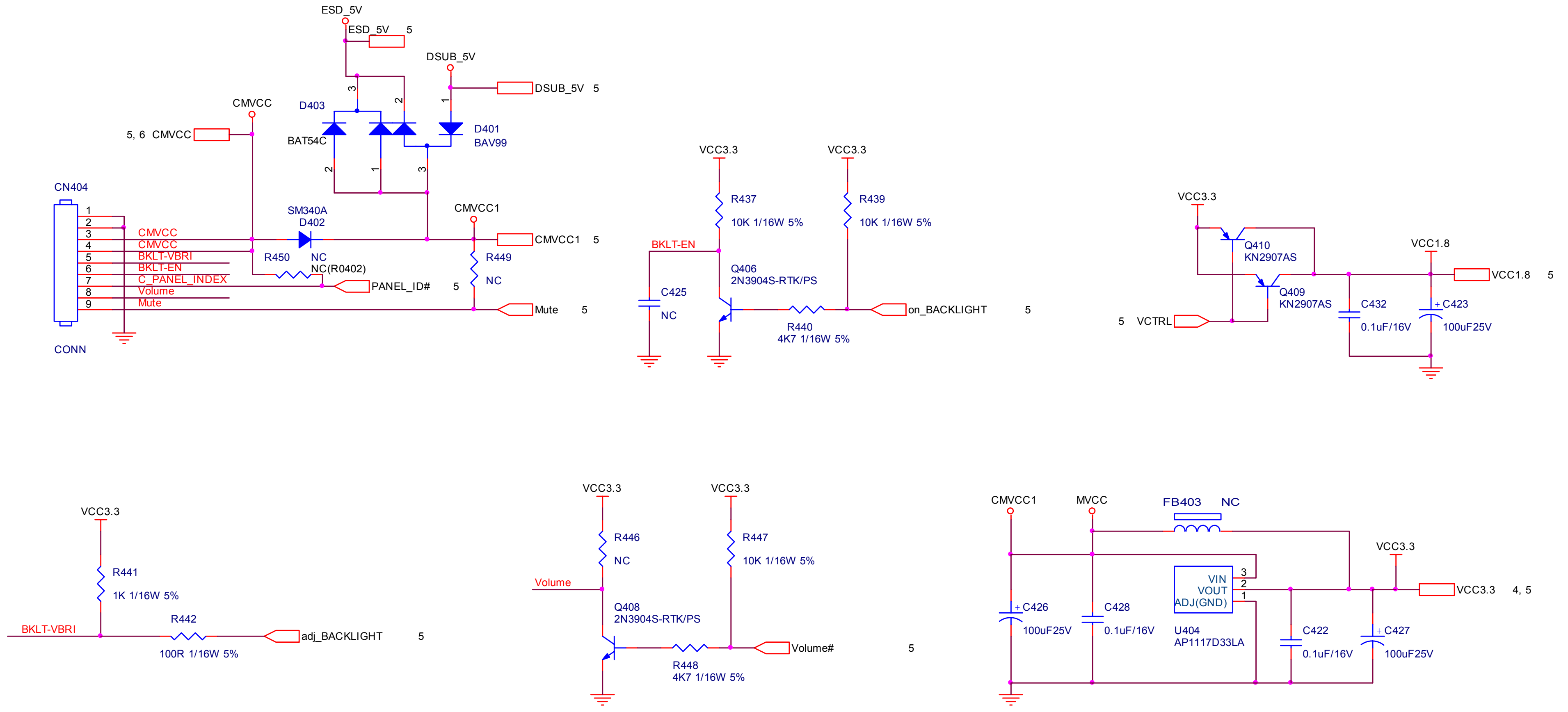

T P V (Top Victory Electronics Co . , Ltd.)		OEM MODEL		Size	B
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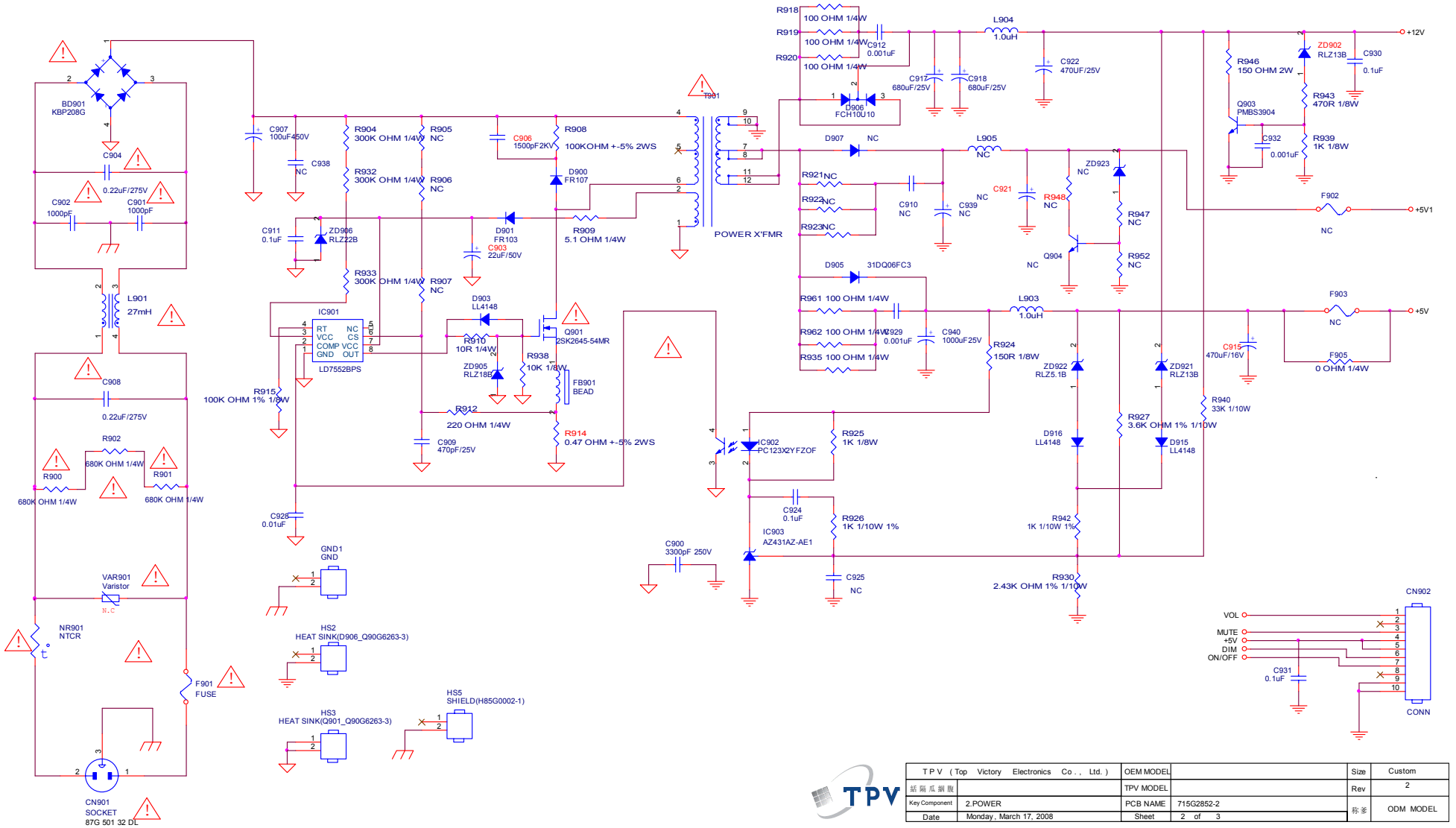
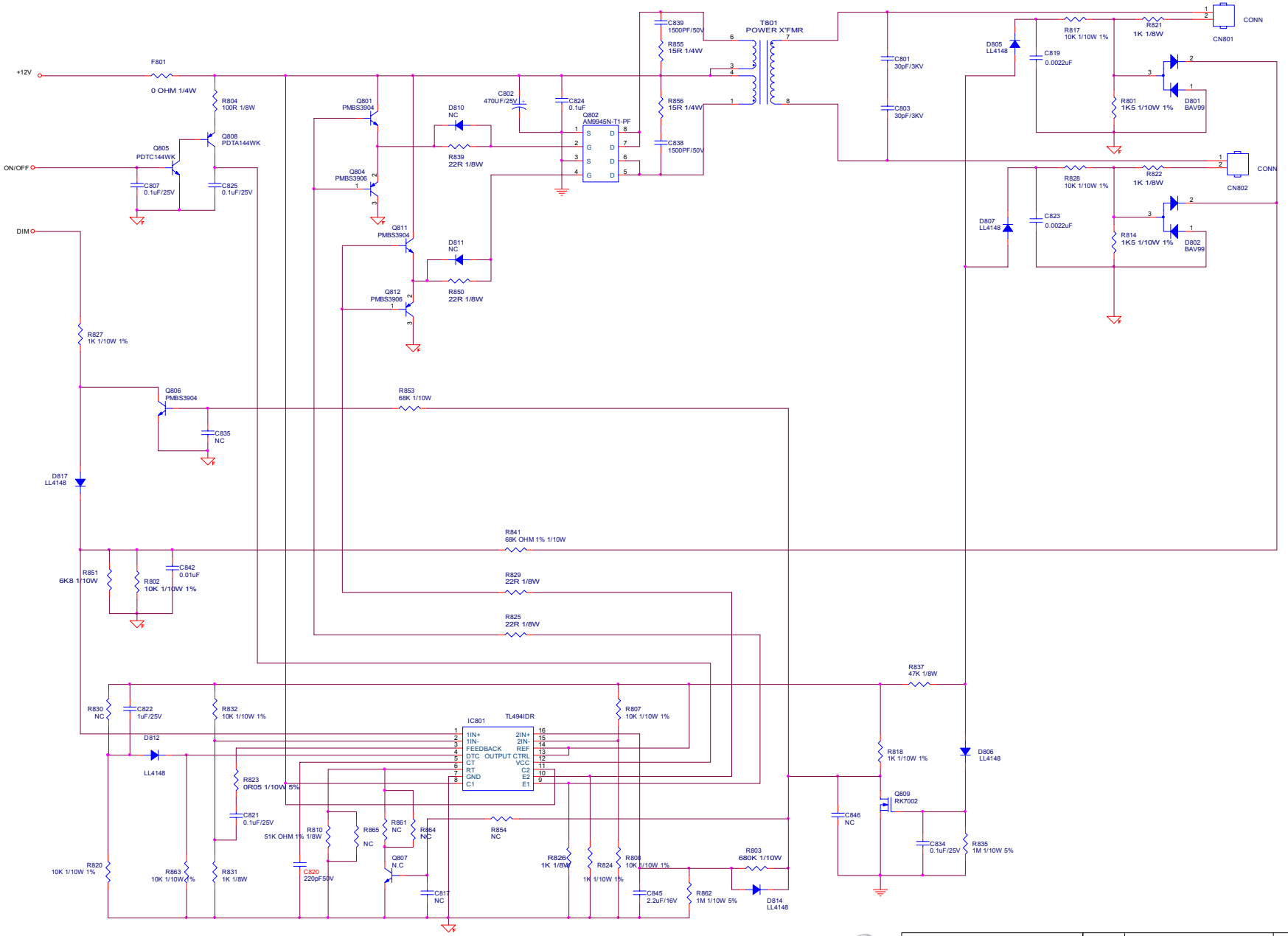
Date	Wednesday , May 21, 2008	Sheet	7 of 7		

6.2 Power Board

715G2852 2





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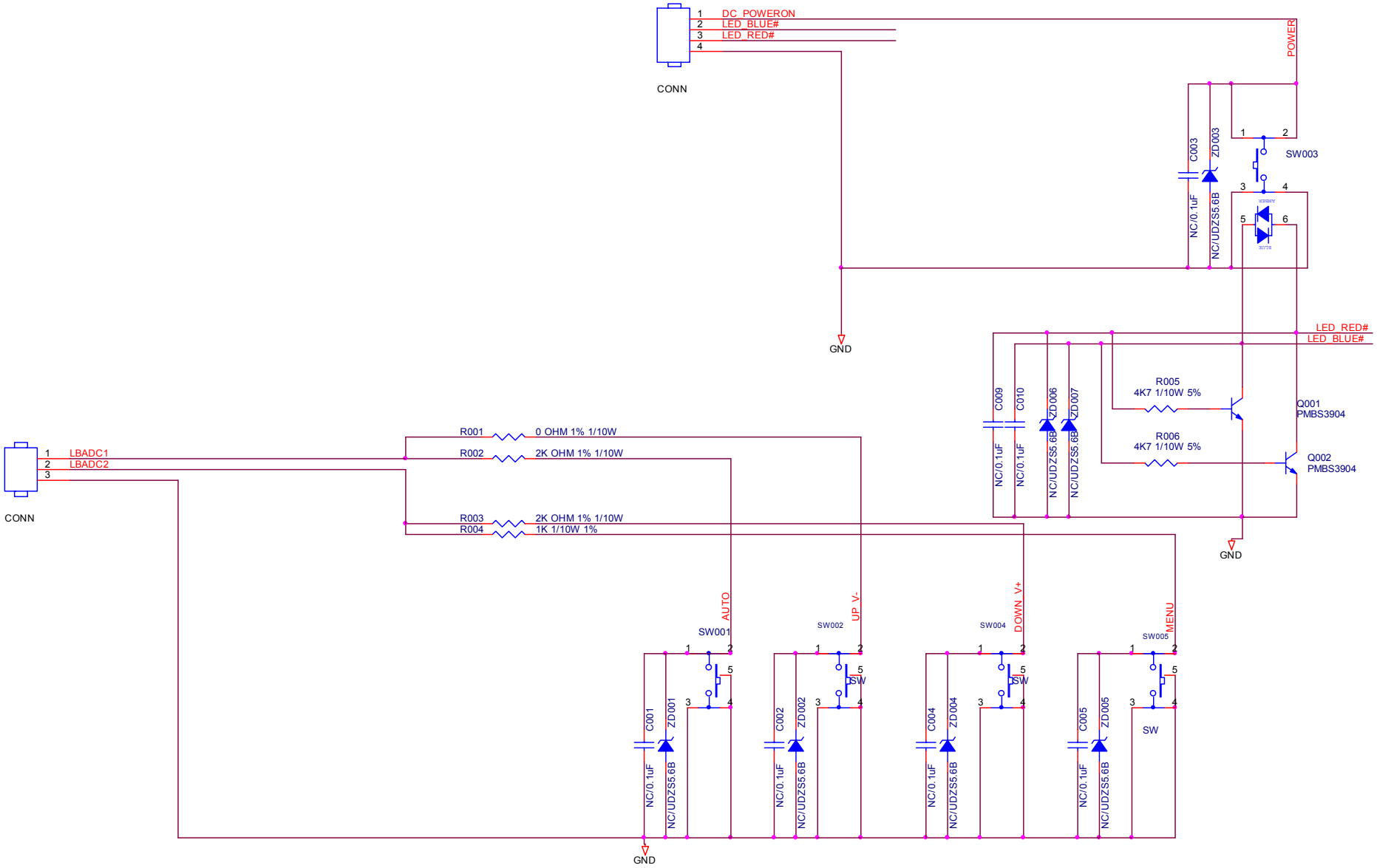
Key Component	3.INVERTER	PCB NAME	715G2852-2	称家	ODM MODEL
Date	Monday, March 17, 2008	Sheet	3 of 3		

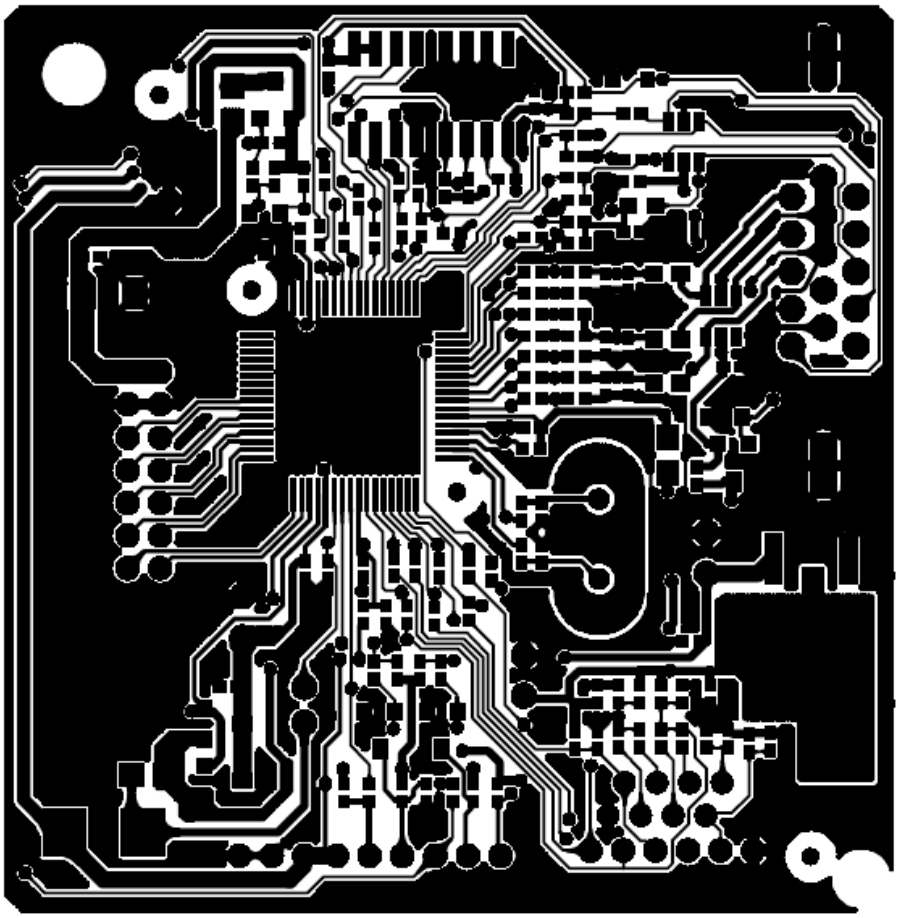
6.3 Key Board

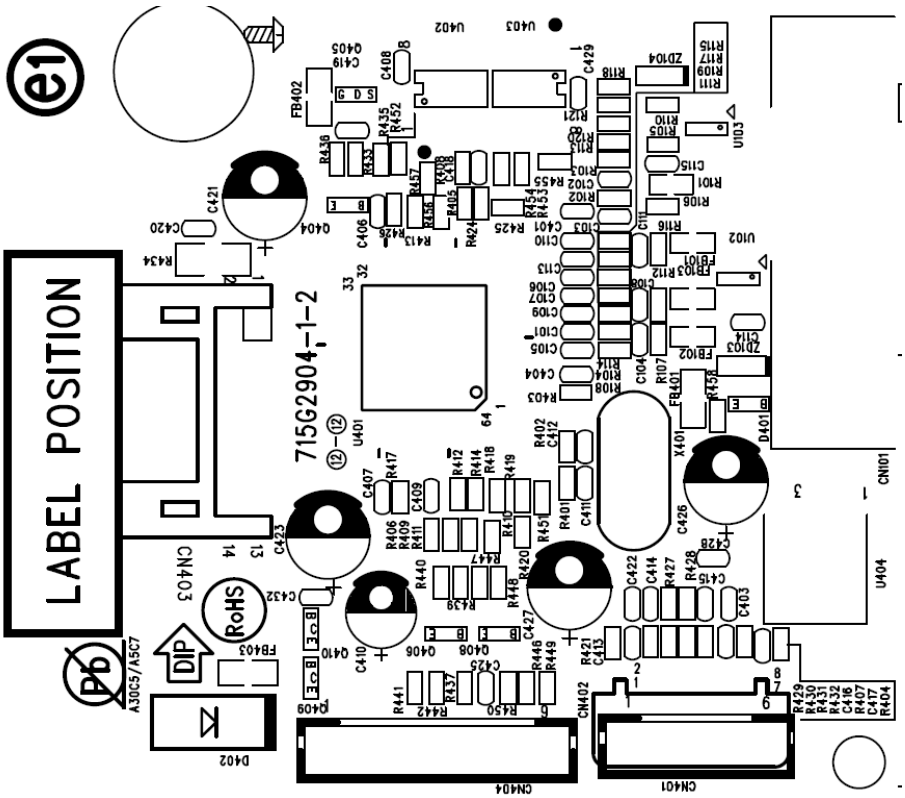
715G3331 2



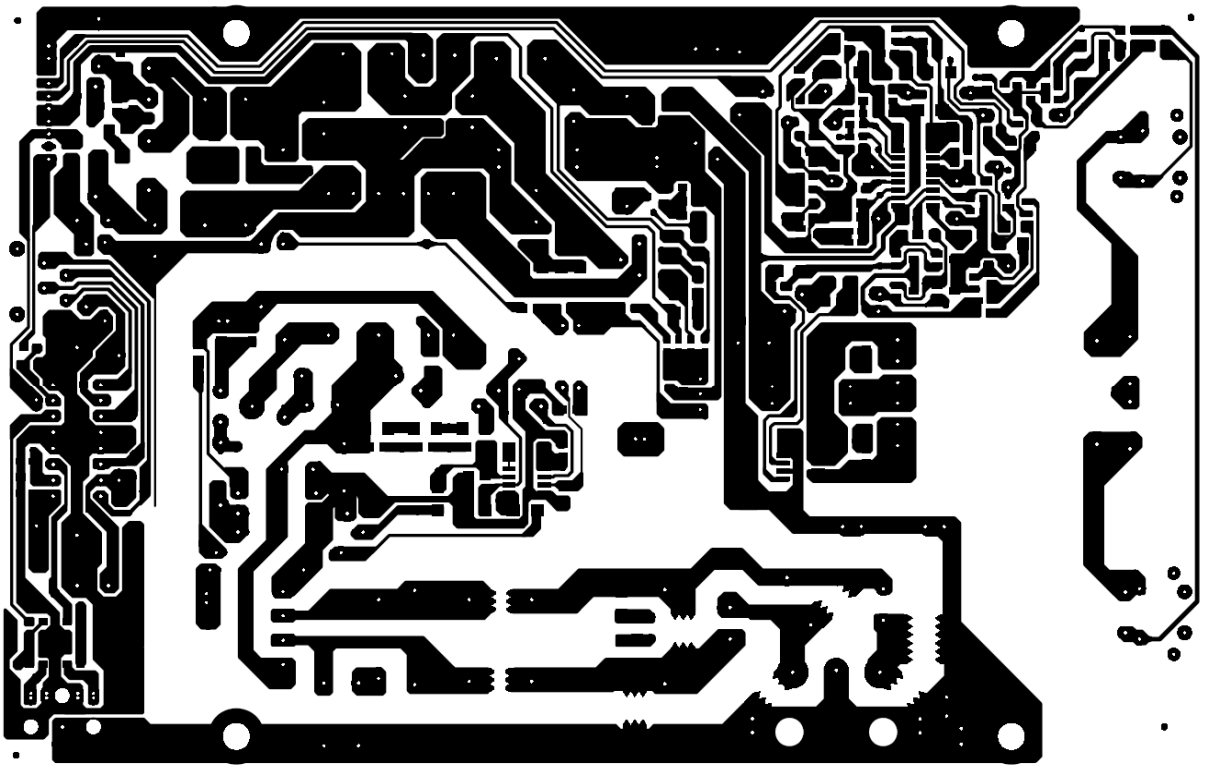
7. PCB Layout

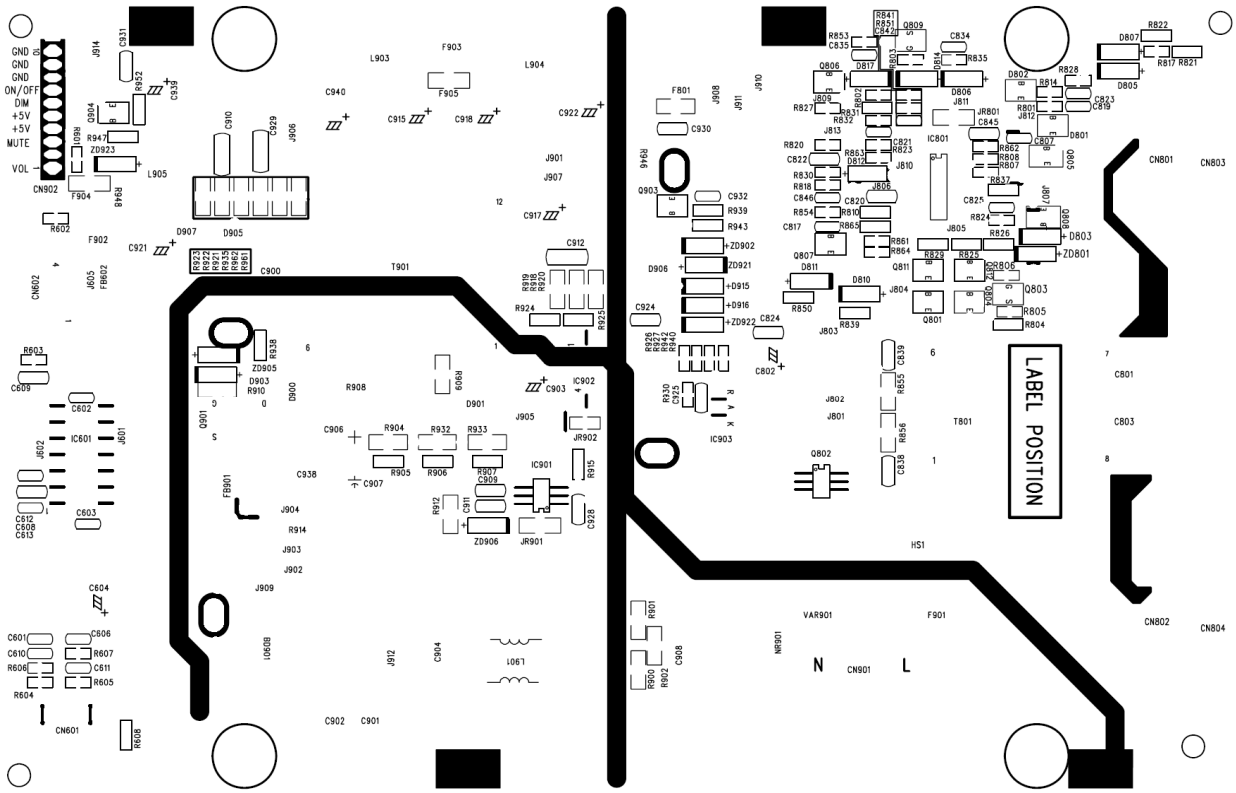
7.1 Main Board

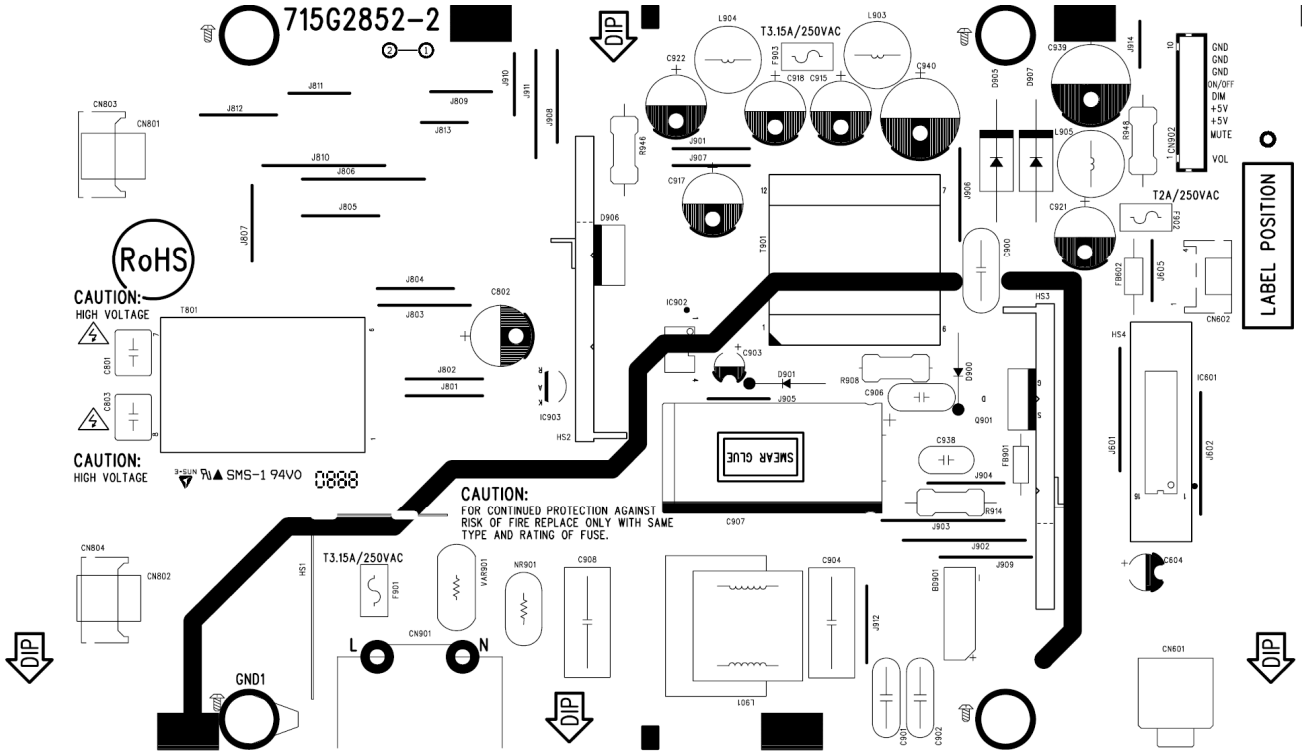




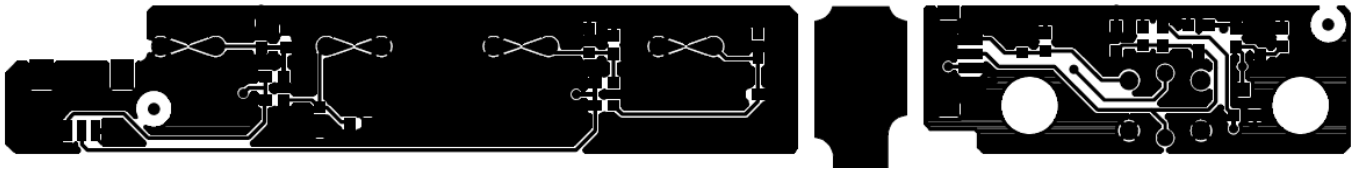
7.2 Power Board

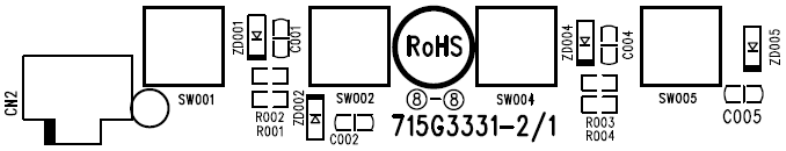


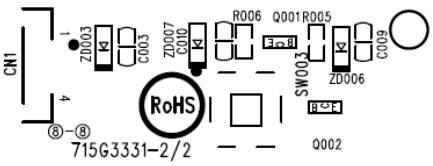




7.3 Key Board







8. Maintainability

8.1 Equipments and Tools Requirement

1. Multi-meter.
2. Oscilloscope.
3. Pattern Generator.
4. DDC Tool with and Compatible Computer.
5. Alignment Tool.
6. LCD Color Analyzer.
7. Service Manual.
8. User Manual.

If the monitor fails to operate correctly , please follow the steps below for a possible solution.

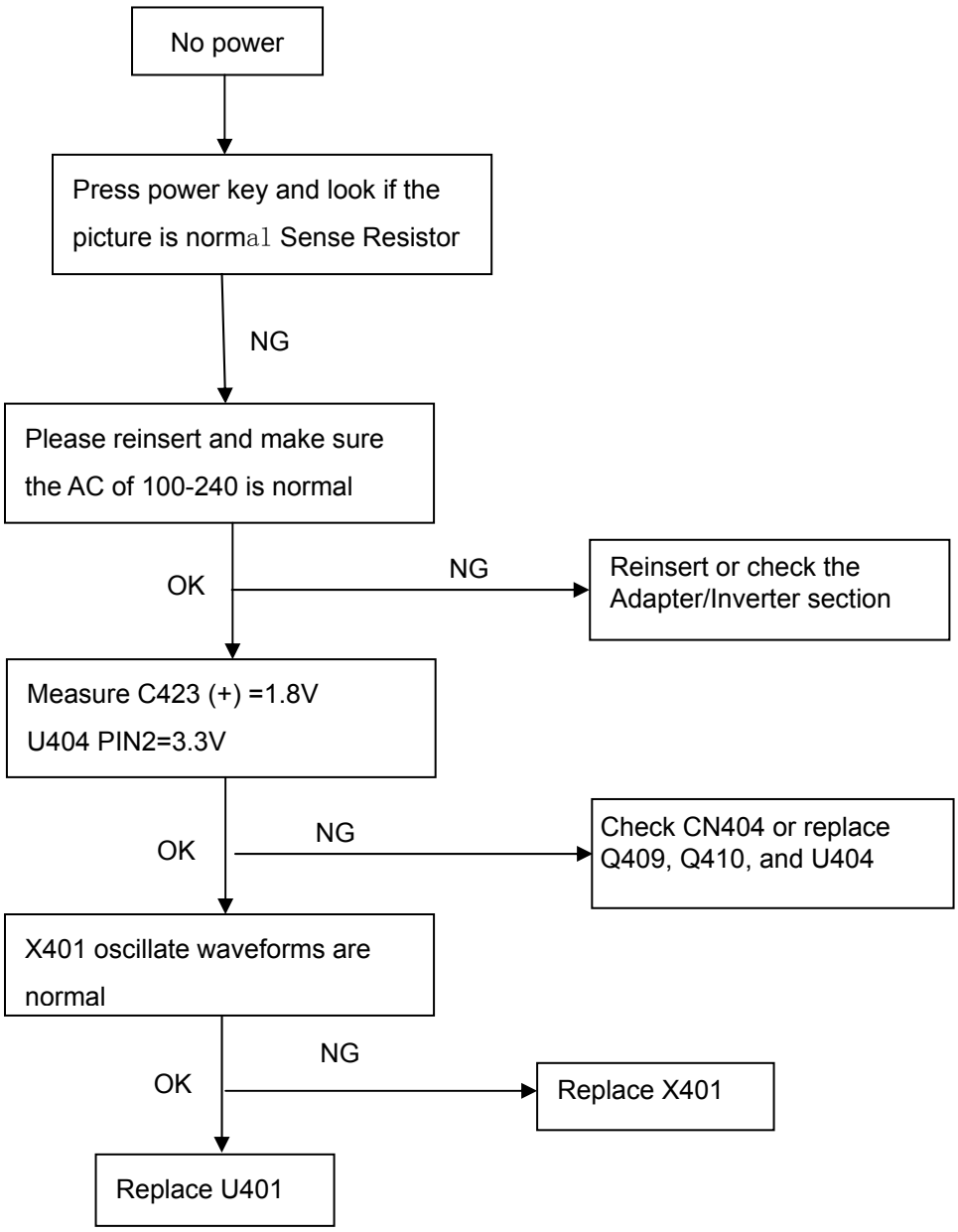
1. Perform the adjustments described in OPERATION THE MONITOR, depending on the problem you have .If the monitor dose not get a picture ,skip to 2.
2. Consult the following items if you cannot find an appropriate adjustment item in OPERATING THE MONITOR or if the problem persists.
3. If you are experiencing a problem which is not described below or you cannot correct the problem , discontinue using the monitor and contact your dealer or service center for further assistance.

Problem & Question	Possible Solutions
Power LED Is Not ON	• Make sure the power button is ON and the Power Cord is properly connected to a grounded power outlet and to the monitor.
No Plug & Play	• In order for the Plug & Play feature of the monitor to work, you need a Plug & Play compatible computer & video card. Check with your computer manufacturer. Also check the monitor's video cable and make sure none of the pins are bent. • Make sure the AOC Monitor Drivers are installed (AOC Monitor Drivers are available at : http://www.aoc.com)
Picture Is Fuzzy & Has Ghosting Shadowing Problem	• Adjust the Contrast and Brightness Controls. • Make sure you are not using an extension cable or switch box. We recommend plugging the monitor directly to the video card output connector on the back of your computer.
Picture Bounces, Flickers Or Wave Pattern Is Present In The Picture	• Move electrical devices that may cause electrical interference as far away from the monitor as possible. • Use the maximum refresh rate your monitor is capable of at the resolution your are using.
Monitor Is Stuck In Active Off-Mode"	• The Computer Power Switch should be in the ON position. • The Computer Video Card should be snugly seated in its slot. • Make sure the monitor's video cable is properly connected to the computer. • Inspect the monitor's video cable and make sure none of the pins are bent. • Make sure your computer is operational by hitting the CAPS LOCK key on the keyboard while observing the CAPS LOCK LED. The LED should either turn ON or OFF after hitting the CAPS LOCK key.
Missing one of the primary colors (RED, GREEN, or BLUE)	• Inspect the monitor's video cable and make sure that none of the pins arebent. • Make sure the monitor's video cable is properly connected to the computer.
Screen image is not centered or sized properly	• Adjust H-Position and V-Position or press hot-key (AUTO).
Picture has color defects (white does not look white)	• Adjust RGB color or select color temperature
Horizontal or vertical disturbances on the screen	• Use win 95/98/2000/ME/XP shut-down mode Adjust CLOCK and FOCUS or perform hot-key (AUTO-key)

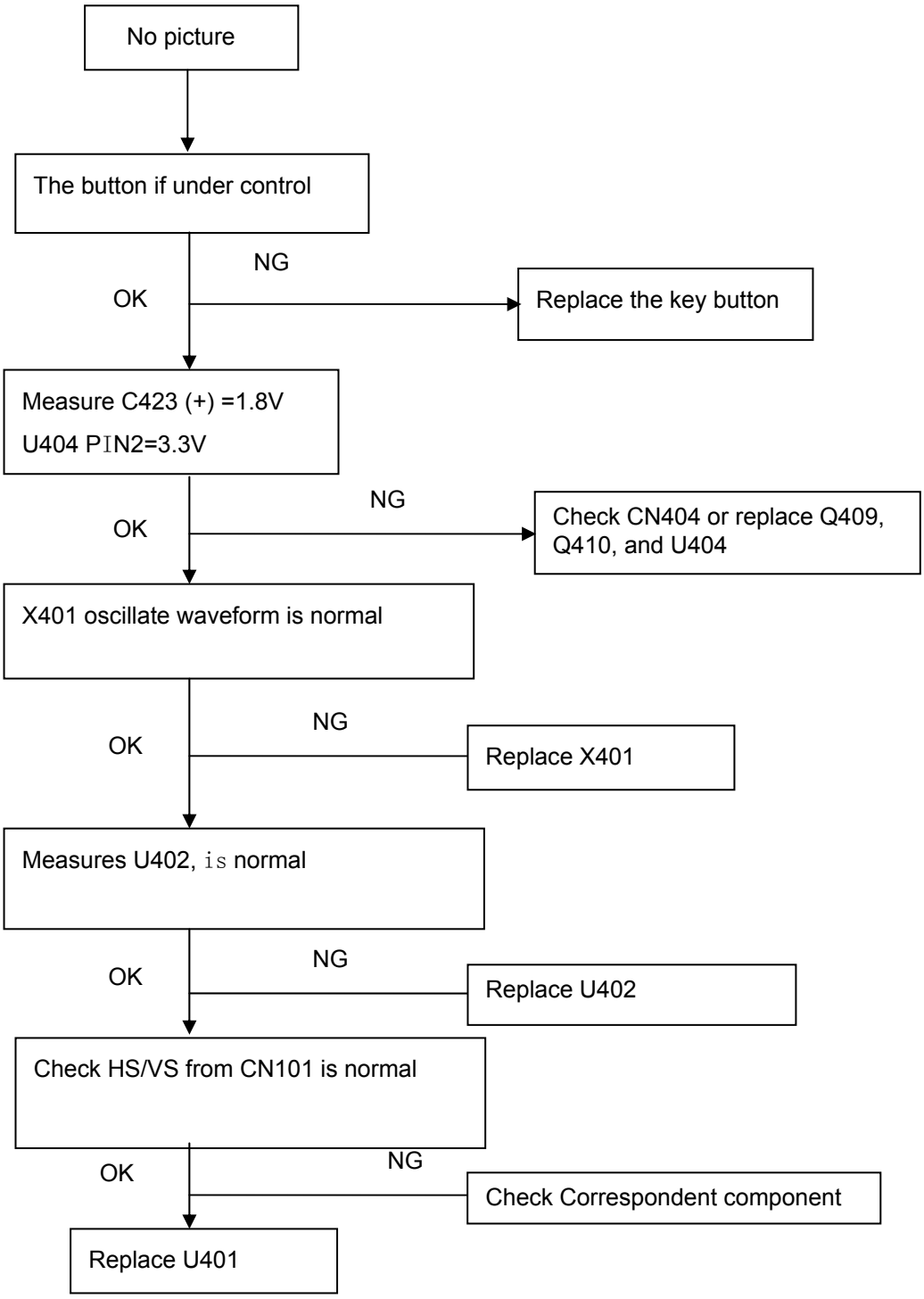
8.2 Trouble Shooting

8.2.1 Main Board

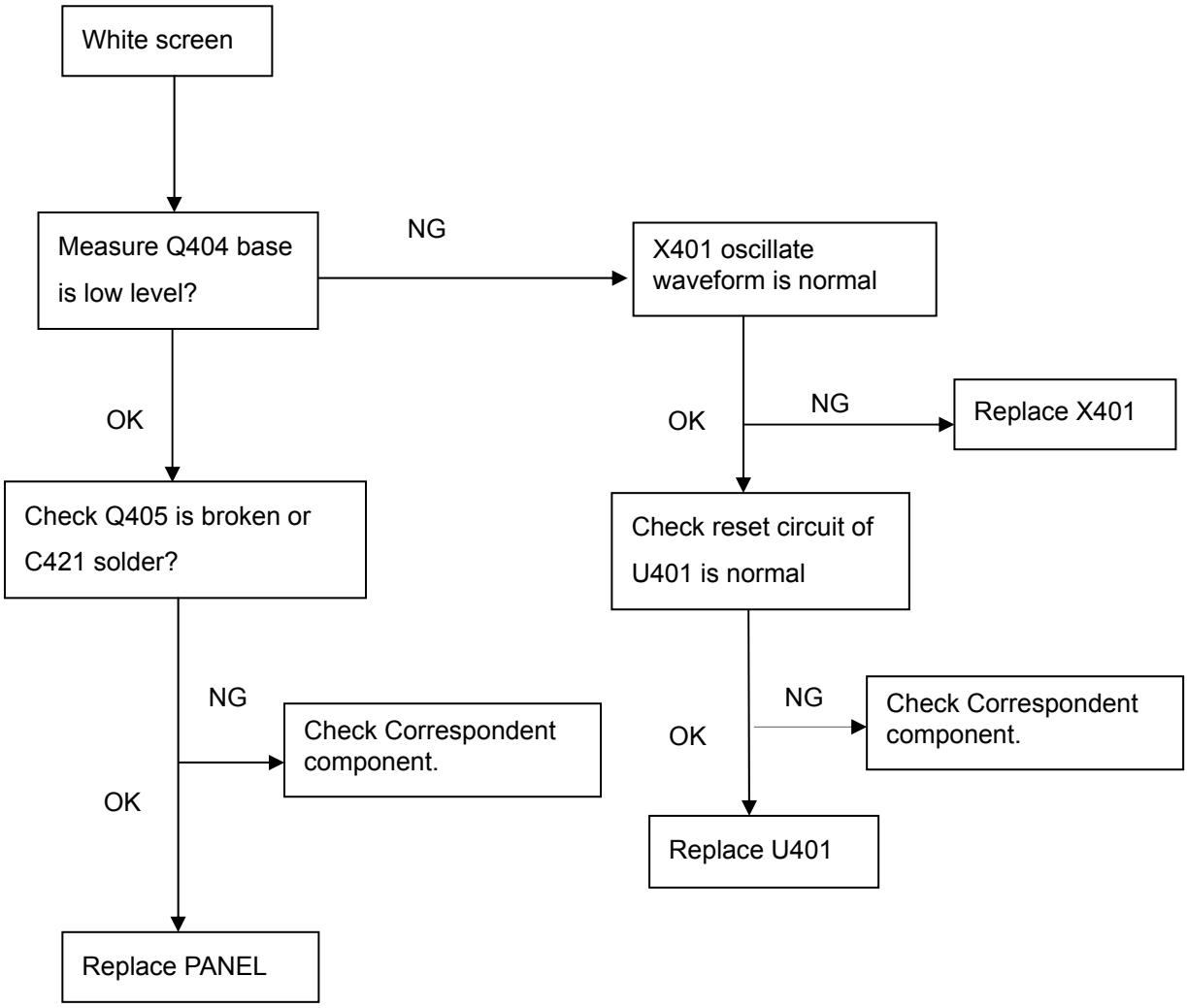
No power



No picture (LED orange)

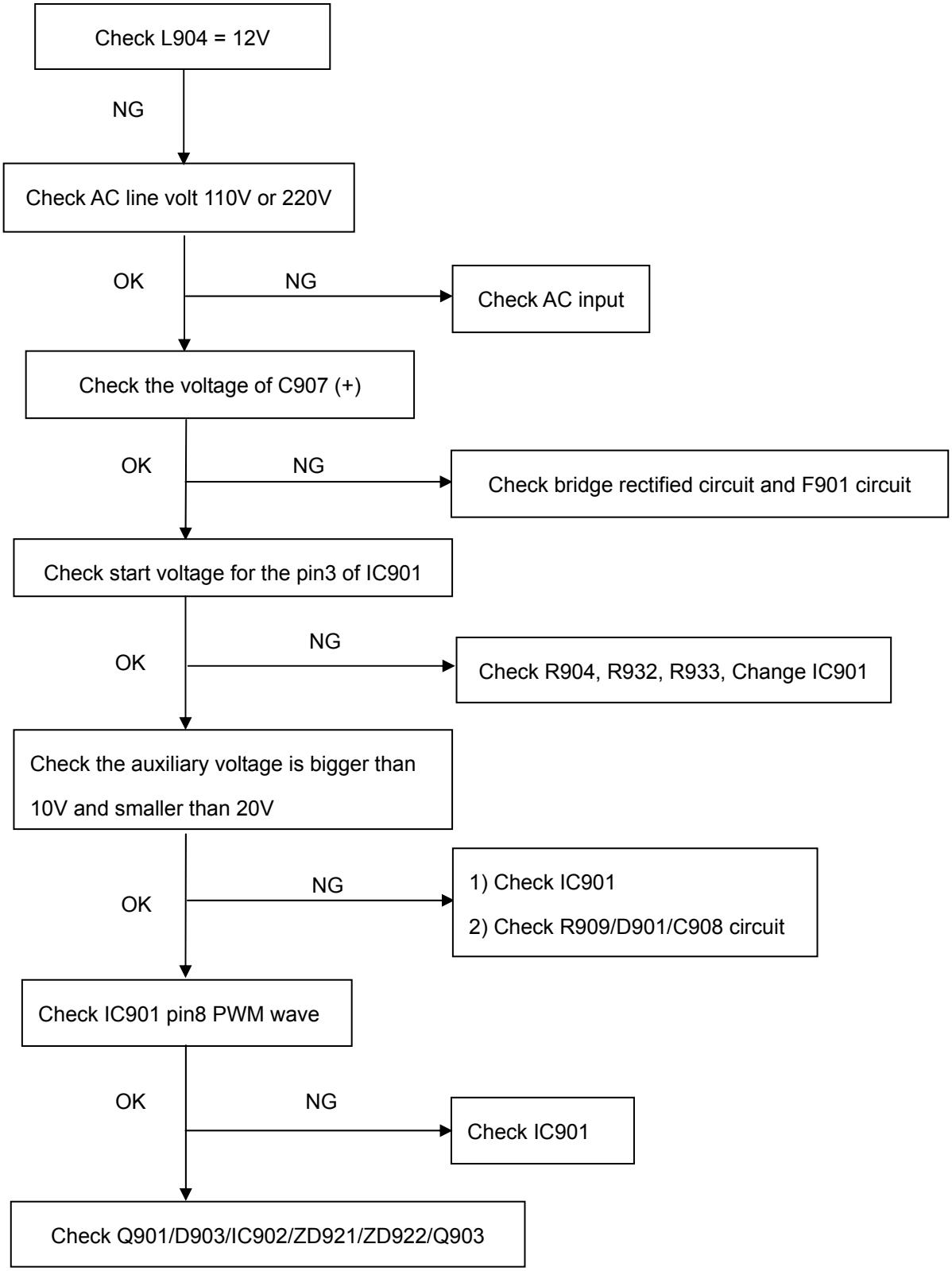


White screen

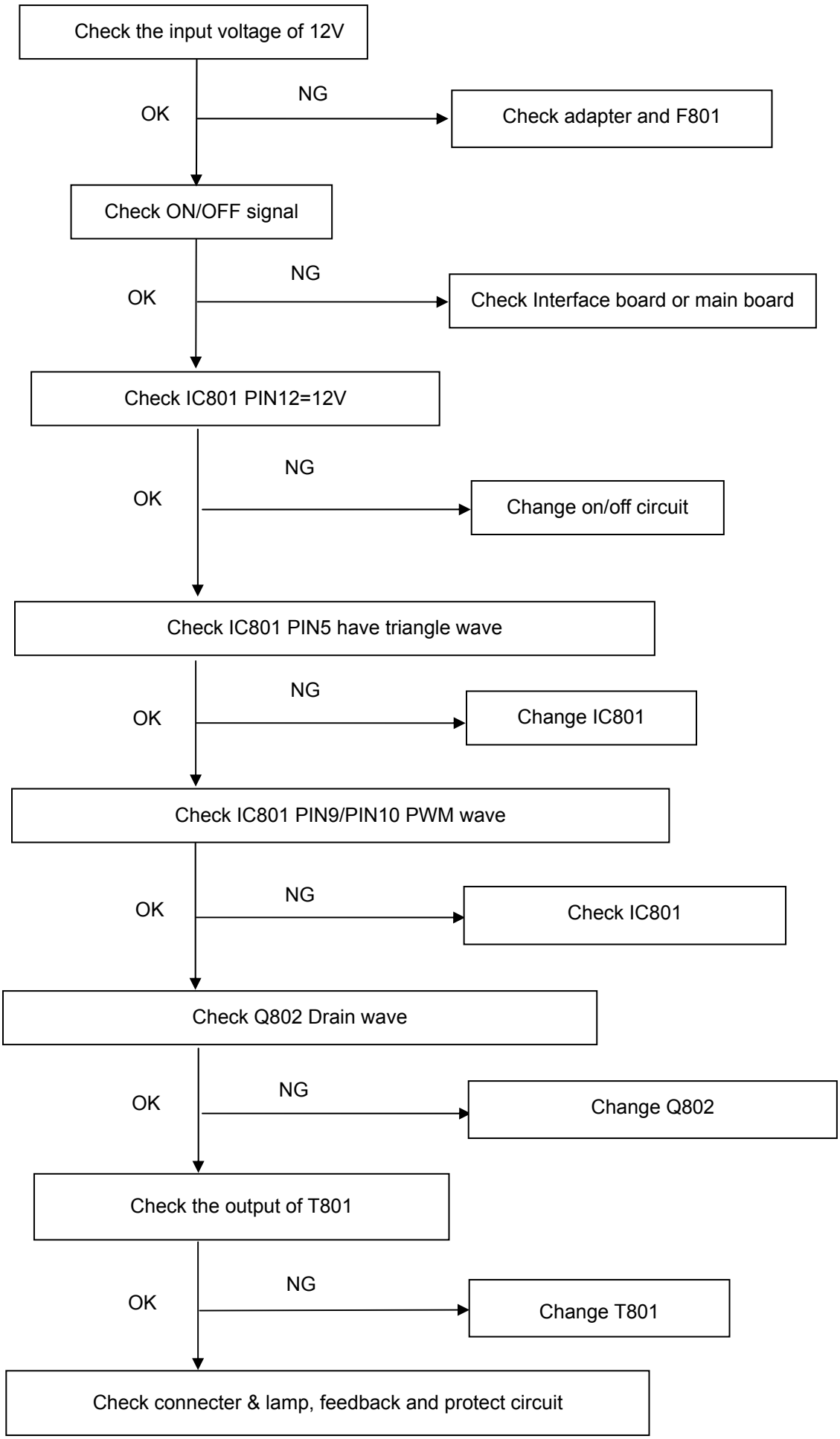


8.2.2 Power Board

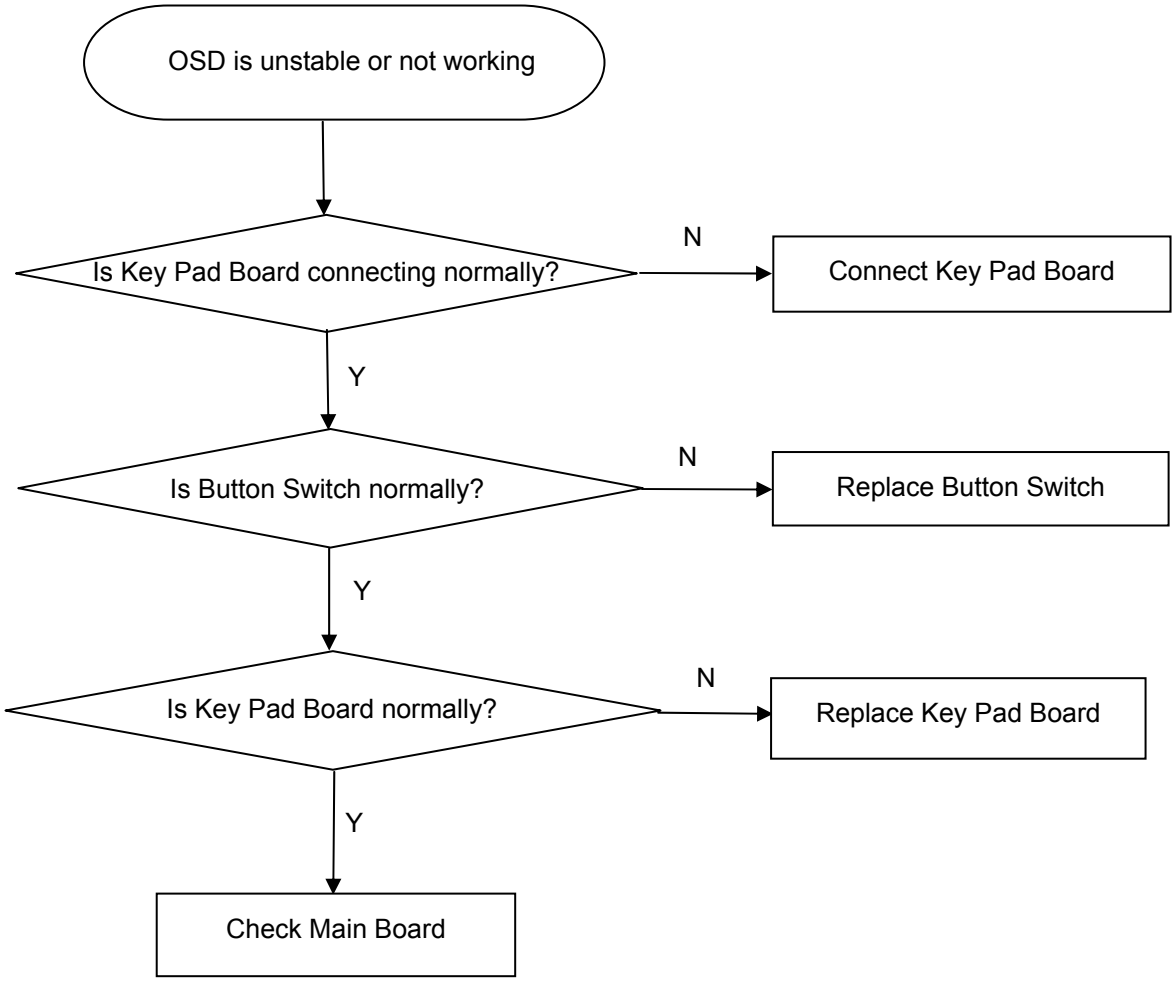
No power



No backlight



8.2.3 Key Board



9. White- Balance, Luminance Adjustment

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

Before started adjust white balance , please set the Chroma-7120 MEM Channel 3 to (6500K) color, MEM Channel 4 to (7300K) color, MEM Channel 9 to (7800K) color , and MEM Channel 10 to (9300K) color (our 6500K color parameter is x = 313 ±30, y = 329 ±30, Y>150cd/m^2; 7300K color parameter is x = 302 ±30, y = 318 ±30, Y>150cd/m^2; 7800K color parameter is x = 296 ±30, y = 311 ±30, Y>150cd/m^2; 9300K color parameter is x = 283 ±30, y = 297 ±30, Y>130cd/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):

6500K color temp. parameter is x = 313 ±30, y = 329 ±30, Y>150cd/m^2

B. MEM.CHANNEL 4 (Normal color):

7300K color temp. parameter is x = 302 ±30, y = 318 ±30, Y>150cd/m^2

C. MEM.CHANNEL 9 (Cool color):

9300K color temp. parameter is x = 296 ±30, y = 311 ±30, Y>150cd/m^2

D. MEM.CHANNEL 10 (sRGB color):

sRGB color temp. parameter is x = 313 ±30, y = 329 ±30, Y>150cd/m^2

3. Enter into factory mode

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

4. Bias adjustment:

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

5. Gain adjustment:

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

A. Adjust (6500K) color-temperature

1. Switch the chroma-7120 to **RGB-Mode** (with press "MODE" button)
2. Switch the MEM .channel to Channel 3 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show x = 313 ±30, y = 329 ±30, Y>150cd/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 reachedthe value G=100
6. Adjust the BLUE on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4, 5, 6) until chroma 7120 RGB value meet the tolerance =100±2

B. Adjust (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 ±30, y = 318 ±30, Y>150cd/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 reachedthe value G=100
6. Adjust the BLUE on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4, 5, 6) until chroma 7120 RGB value meet the tolerance =100±2

C. Adjust (9300K) color-temperature

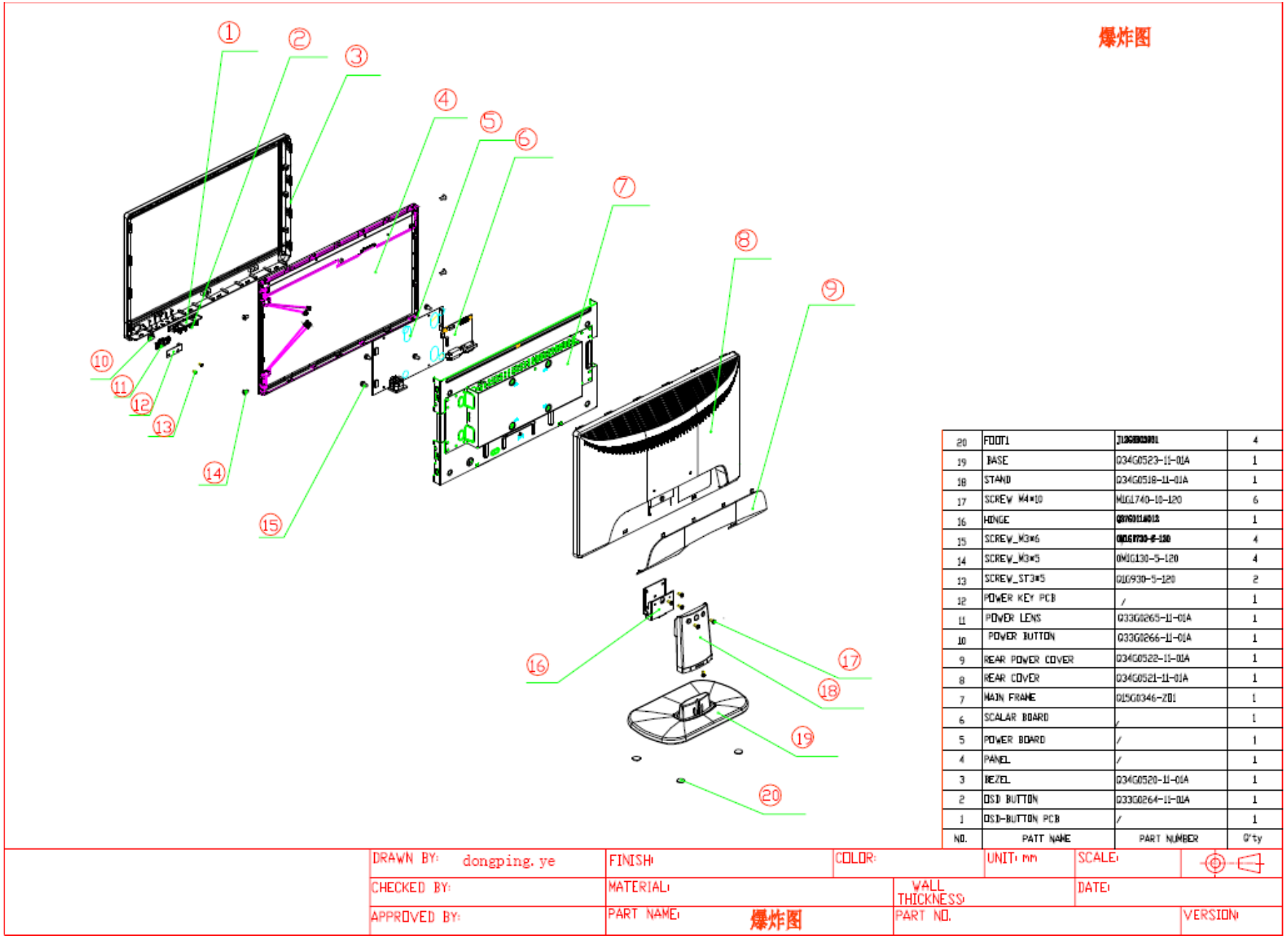
1. Switch the Chroma-7120 to **RGB-Mode** (with press “MODE” button)
2. Switch the MEM. Channel to Channel 9 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show x = 296 ±30, y = 311 ±30, Y>150cd/m^2
4. Adjust the RED on factory window until chroma 7120 indicator reached 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±2

D. Adjust (sRGB) color-temperature

1. Switch the chroma-7120 to **RGB-Mode** (with press “MODE” button)
2. Switch the MEM .channel to Channel 10 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show x = 313 ±30, y = 329 ±30, Y>150cd/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 reachedthe 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±2

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

10. Monitor Exploded View



NO.	PATT NAME	PART NUMBER	Q'ty
20	FOOT1	[illegible]	4
19	BASE	034G0523-11-01A	1
18	STAND	034G0518-11-01A	1
17	SCREW M4*10	MU1740-10-120	6
16	HINGE	[illegible]	1
15	SCREW_M3*6	[illegible]	4
14	SCREW_M3*5	0M0130-5-120	4
13	SCREW_ST3*5	010930-5-120	2
12	POWER KEY PCB	/	1
11	POWER LENS	033G0265-11-01A	1
10	POWER BUTTON	033G0266-11-01A	1
9	REAR POWER COVER	034G0522-11-01A	1
8	REAR COVER	034G0521-11-01A	1
7	MAIN FRAME	015G0346-Z01	1
6	SCALAR BOARD	/	1
5	POWER BOARD	/	1
4	PANEL	/	1
3	BEZEL	034G0520-11-01A	1
2	OSD BUTTON	033G0264-11-01A	1
1	OSD-BUTTON PCB	/	1

DRAWN BY: dongping.ye	FINISH:	COLOR:	UNIT: mm	SCALE:	
CHECKED BY:	MATERIAL:	WALL THICKNESS:		DATE:	
APPROVED BY:	PART NAME: 爆炸图	PART NO.		VERSION:	

11. BOM List

T8RCM6NTXNE1ANJ

Location	Part No.	Description	Remark
	040G 581 26704	SHIPPING LABEL	2nd source
	040G 58160811A	GREEN DOT LABEL	
	052G 1150 C	INSULATING TAPE	
	052G 1186	SMALL TAPE	
	052G 1207 A	Conductive Tape 45mm *25mm *0.08mm	
	052G 1211 B	Conductive Tape 85mm *40mm *0.09mm	
	052G6019 1	INSULATING TAPE	
E078	078G 32210C K	SPK 8 OHM 1.5W 43X18 250 100mm KUAIDA	
E08904	089G 17356C554	AUDIO CABLE	
E08904	089G 17356G554	AUDIO CABLE	2nd source
E08904	089G 17356X554	AUDIO CABLE	2nd source
E08902	089G 725CAA DB	D-SUB CABLE	2nd source
E08902	089G 725GAA DB	D-SUB CABLE	2nd source
E08902	089G 725HAA DB	D-SUB CABLE	
E08901	089G420A15N IS	POWER CORD	
E08901	089G420A15N LS	POWER CORD	2nd source
E09502	095G8014 6DH40	HARNESS 6P-4P(A1253HA HR)+3P(A1253HA HR)	2nd source
E09502	095G8014 6XH40	HARNESS 6P-4P(A1253HA HR)+3P(A1253HA HR)	
E09501	095G8018 3XH39	LVDS CABLE	2nd source
	0M1G 130 5120	SCREW	
	0M1G1030 6120	SCREW M3X6	
XN01A	0Q1G 930 6120	SCREW 3X6MM	
E750	750GLC185WA212N000	PANEL CLAA185WA02 000 WJ CPT	2nd source
E750	750GLC185WA213N000	PANEL CLAA185WA02 000 FZ CPT	
E750	750GLC185WA222N000	PANEL CLAA185WA02 011 WJ CPT	2nd source
E750	750GLC185WA223N000	PANEL CLAA185WA02 011 FZ CPT	2nd source
	756GJ9CB AE006	MAIN BOARD-CBPCRM6E1J5	
U402	056G1133 81	SST25LF020A-33-4C-SAE	
SMTCR-U402	100GAMC8007B11	MCU ASSY-56G1133 81	
XN01A	AM1G1740 12 47 CR3	SCREW	
CN401	033G3802 6	WAFER	
CN401	033G3802 6 L	CONNECTOR 6PIN	2nd source
CN404	033G3802 9	WAFER 9P RIGHT ANELE PITCH	
CN403	033G8027 14 H	WAFER 14P 2.0MM DIP	
	040G 45762412B	CBPC LABEL	
CN101	088G 35315F H	D-SUB 15PIN	2nd source
CN101	088G 35315F HD	D-SUB CONN F ATTACHED SCREW	2nd source

CN101	088G 35315F HJ	SOC SUBD H 15P F	2nd source
CN101	088G 35315F XH	D-SUB 15PIN VERTICAL CONN WITH SCREW	
X401	093G 22 53 J	14.31818MHZ/32PF/49US	2nd source
X401	093G 22 53 YC	Crystal 14.31818MHz/32PF 49U/S YC	
	040G 45762420A	LABEL 25x6mm	
U401	056G 562557	IC TSUM1PFR-LF	
U404	056G 563515	IC AZ1117D-3.3TRG1 1A/3.3V TO-252	
U404	056G 563916	IC LD1117DT33TR DPAK	2nd source
U102	056G 662 13	IC AZC099-04S SOT23-6L	
U103	056G 662 13	IC AZC099-04S SOT23-6L	
U402	056G1133 81	SST25LF020A-33-4C-SAE	
Q404	057G 417 6	PMBS3906/PHILIPS-SMT(06)	
Q408	057G 417 12 T	KEC 2N3904S-RTK/PS	
Q406	057G 417 12 T	KEC 2N3904S-RTK/PS	
Q409	057G 417 16 T	MMBT2907	
Q410	057G 417 16 T	MMBT2907	
Q405	057G 763 1	A03401 SOT23 BY AOS(A1)	
R401	061G0402000	RST CHIP MAX 0R05 1/16W	
R402	061G0402000	RST CHIP MAX 0R05 1/16W	
R456	061G0402000	RST CHIP MAX 0R05 1/16W	
R457	061G0402000	RST CHIP MAX 0R05 1/16W	
R443	061G0402000	RST CHIP MAX 0R05 1/16W	
R415	061G0402000	RST CHIP MAX 0R05 1/16W	
R419	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R418	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R442	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R420	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R413	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R412	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R411	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R405	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R117	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R115	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R114	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R113	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R111	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R110	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R108	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R104	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R103	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	

R102	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R118	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W	
R441	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W	
R120	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R121	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R404	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R407	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R408	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R417	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R421	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R433	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R437	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R439	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R409	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R447	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R436	061G0402104	RST CHIPR 100 KOHM +-5% 1/16W	
R410	061G0402121	RST CHIP 120R 1/16W 5%	
R414	061G0402220	RST CHIPR 22 OHM +-5% 1/16W	
R106	061G0402222	RST CHIPR 2.2 KOHM +-5% 1/16W	
R105	061G0402222	RST CHIPR 2.2 KOHM +-5% 1/16W	
R403	061G0402390 0F	RST CHIP 390R 1/16W 1%	
R109	061G0402390 0F	RST CHIP 390R 1/16W 1%	
R428	061G0402392	RST CHIP 3.9K 1/16W 5%	
R427	061G0402392	RST CHIP 3.9K 1/16W 5%	
R448	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W	
R440	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W	
R435	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W	
R406	061G0402682	RST CHIP 6K8 1/16W 5%	
R116	061G0402750	RST CHIPR 75 OHM +-5% 1/16W	
R112	061G0402750	RST CHIPR 75 OHM +-5% 1/16W	
R107	061G0402750	RST CHIPR 75 OHM +-5% 1/16W	
R101	061G0603000	RST CHIP MAX 0R05 1/10W	
R434	061G1206331	RST CHIPR 330 OHM +-5% 1/4W	
C432	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C428	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C422	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C401	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C403	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C404	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C406	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	

C407	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C409	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C413	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C414	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C415	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C416	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C417	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C419	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C420	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C412	065G0402220 31	CHIP 22PF 50V NPO	
C411	065G0402220 31	CHIP 22PF 50V NPO	
C103	065G0402220 31	CHIP 22PF 50V NPO	
C102	065G0402220 31	CHIP 22PF 50V NPO	
C408	065G0402224 17	CAP CER 0.22UF -20%-80%	
C101	065G0402473 12	CHIP 0.047uF 16V X7R	
C105	065G0402473 12	CHIP 0.047uF 16V X7R	
C106	065G0402473 12	CHIP 0.047uF 16V X7R	
C107	065G0402473 12	CHIP 0.047uF 16V X7R	
C109	065G0402473 12	CHIP 0.047uF 16V X7R	
C110	065G0402473 12	CHIP 0.047uF 16V X7R	
C113	065G0402473 12	CHIP 0.047uF 16V X7R	
C104	065G0402509 31	CHIP 5pF 50V NPO	
C108	065G0402509 31	CHIP 5pF 50V NPO	
C111	065G0402509 31	CHIP 5pF 50V NPO	
FB402	071G 56K121 M	CHIP BEAD	
FB401	071G 56V301 B	CHIP BEAD FCM2012VF-301T07 bullwill	2nd source
FB401	071G 56V301 M	CHIP BEAD 2012 300 OHM	
FB103	071G 59K190 B	19 OHM BEAD	
FB102	071G 59K190 B	19 OHM BEAD	
FB101	071G 59K190 B	19 OHM BEAD	
D403	093G 60230	BAT54C(L43)	
ZD103	093G 39S 34 T	UDZSNP5.6B ROHM	2nd source
ZD104	093G 39S 34 T	UDZSNP5.6B ROHM	2nd source
ZD103	093G 39S501 T	LUDZS5.6BT1G BY LRC	
ZD104	093G 39S501 T	LUDZS5.6BT1G BY LRC	
D402	093G3004 3	SM340A	
	715G2904 2 2	MAIN PCB FR-4 57x64x1.6mm DS	
C410	067G 315100 7B	CAP 105C 10UF M 50V	
C421	067G 315101 4B	CAP 105C 100UF M 25V	
C423	067G 315101 4B	CAP 105C 100UF M 25V	

C427	067G 315101 4B	CAP 105C 100UF M 25V	
C426	067G 315101 4B	CAP 105C 100UF M 25V	
	J07G 1 S145	wooden pallet	
	J07G 1 S146	wooden pallet	
	J07G 1 S147	wooden pallet	
	J07G 1 S148	wooden pallet	
	J11G 800 5	支撑钉	
	J12G8B03931	FOOT	
	J40G 19T67312B	ID LABEL	
	J40G 581673 1A	BARCODE LABEL FOR Envision	
	J40G 581673 4C	warranty label(tai wan)	
	J40G 581709 1A	栈板标签	
	J40G POP673 7B	POP LABEL	
	J40GVSTB757 1A	VISTA BASIC LABEL	
	J41G780067341A	WARRANTY BOOKLET	
	J41G780A673 5A	P851a QSG	
	J44G6000624 4A	EMPTY CARTON	
	J44G6000624 5A	EMPTY CARTON	
	J44G6002 S153	paper plate	
	J44G6002 S154	paper plate	
	J44G6002 S155	paper plate	
	J44G6002 S156	paper plate	
	J44G8A17673 1B	CARTON	
	J44G9003220 35	CORNER PAPER	
	J45G 77 6	PE PACKING	
	J45G 88626 1 R	PE BAG FOR MONITOR	
	J50G 600 5	HANDLE 1	
	J50G 600 6	HANDLE 2	
	J52G 1185E1A	BIG CARTON TAPE FOR ENVISION	
	J52G 1185E1B	BIG CARTON TAPE FOR ENVISION	2nd source
	J70G9002673 3B	CD MANUAL	
	KEPC8QG9J	KEPC BOARD	
SW003	077G610D 1 CJ	TACT SWITCH+LED	2nd source
SW003	077G610D 1 NA	TACT SW+LED	
SW003	077G610D 1 WB	TACT SW+LED	2nd source
CN2	033G8032 3F X	WAFER 3P 1.25MM	2nd source
CN2	033G8032 3F HR	CONNECTOR 3P 1.25	
CN1	033G8032 4F S X	WAFER 1.25mm	2nd source
CN1	033G8032 4F S HR	CONNECTOR	
Q001	057G 417 4	PMBS3904/PHILIPS-SMT(04)	

Q002	057G 417 4	PMBS3904/PHILIPS-SMT(04)	
R001	061G0603000	RST CHIP MAX 0R05 1/10W	
R004	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W	
R002	061G0603200 1F	RST CHIPR 2 KOHM +-1% 1/10W	
R003	061G0603200 1F	RST CHIPR 2 KOHM +-1% 1/10W	
R006	061G0603472	RST CHIPR 4.7K OHM +-5% 1/10W	
R005	061G0603472	RST CHIPR 4.7K OHM +-5% 1/10W	
SW002	077G 603 AI CJ	TACT SWITCH 2PIN	2nd source
SW001	077G 603 AI CJ	TACT SWITCH 2PIN	2nd source
SW005	077G 603 AI CJ	TACT SWITCH 2PIN	2nd source
SW004	077G 603 AI CJ	TACT SWITCH 2PIN	2nd source
SW002	077G 603 AI HJ	TACT SWITCH 2PIN	
SW004	077G 603 AI HJ	TACT SWITCH 2PIN	
SW005	077G 603 AI HJ	TACT SWITCH 2PIN	
SW001	077G 603 AI HJ	TACT SWITCH 2PIN	
	715G3331 2	KEY PCB FR-4 113X14.7MM	
	PWPC8521VYD2J	G2852-3-4-X-1-090531	
CN602	033G3802 4 DH L	WAFER	2nd source
CN602	033G3802 4 DH JF	WAFER	
CN802	033G8021 2E F	WAFER	2nd source
CN801	033G8021 2E F	WAFER	2nd source
CN801	033G8021 2E U	INVERT CONNECTOR	2nd source
CN802	033G8021 2E U	INVERT CONNECTOR	2nd source
CN801	033G8021 2E XY	CONNECTOR	
CN802	033G8021 2E XY	CONNECTOR	
	040G 45762412B	CBPC LABEL	
IC902	056G 139 3A	IC PC123Y22FZ0F	
IC601	056G 616 34	IC APA2069JITUL 2.6W*2 PDIP-16	
NR901	061G 58080 N	RST NTCR 8OHM SHAGON	
NR901	061G 58080 WT	8 OHM NCT	2nd source
C904	063G 10722410V	0.22UF 275VAC ARCO	2nd source
C908	063G 10722410V	0.22UF 275VAC ARCO	2nd source
C904	063G107K224 US	MPX. 0.22UF 250V +_10%	
C908	063G107K224 US	MPX. 0.22UF 250V +_10%	
C904	063G107K2246S1	X2 CAP 0.22UF K 275VAC	2nd source
C908	063G107K2246S1	X2 CAP 0.22UF K 275VAC	2nd source
C801	065G 3J2206ET	22PF 5% SL 3KV TDK	
C803	065G 3J2206ET	22PF 5% SL 3KV TDK	
C902	065G305M1022BP	Y2 1000PF M 250VAC Y5P	
C901	065G305M1022BP	Y2 1000PF M 250VAC Y5P	

C900	065G306M3322BP	3300PF 20%	
C907	067G 40Z10115K	CAP 105℃ 100UF M 450V	2nd source
C907	067G 40Z10115X	100μF 450V	
C802	067G215D4714KV	E.C 105℃ CAP 470UF M 25V ED SERIES	2nd source
C922	067G215D4714KV	E.C 105℃ CAP 470UF M 25V ED SERIES	2nd source
C802	067G215D4714LV	LOW ESR EC 470uF 25V M 10*16mm	2nd source
C922	067G215D4714LV	LOW ESR EC 470uF 25V M 10*16mm	2nd source
C918	067G215D6814KV	CAP 105℃ 680uF M 25V	2nd source
C917	067G215D6814KV	CAP 105℃ 680uF M 25V	2nd source
C917	067G215D6814LV	LOW ESR EC 680uF 25V M 10*20mm	2nd source
C918	067G215D6814LV	LOW ESR EC 680uF 25V M 10*20mm	2nd source
C939	067G215D8214KV	EC 105℃ CAP 820UF M 25V	
C940	067G215P1024XV	CAP 105℃ 1000UF M 25V	
C915	067G215P4713XV	CAP 105C 470UF M 16V	
C921	067G215P4713XV	CAP 105C 470UF M 16V	
C922	067G215P4714XV	CAP 105℃ 470UF M 25V	
C802	067G215P4714XV	CAP 105℃ 470UF M 25V	
C917	067G215P6814XV	CAP 105C 680UF M 25V	
C918	067G215P6814XV	CAP 105C 680UF M 25V	
C940	067G215S1024KV	EC 105℃ CAP 1000UF M 25V	2nd source
C940	067G215S1024LV	LOW ESR EC 1000uF 25V M 12.5*20mm	2nd source
C915	067G215S4713KV	EC 105℃ CAP 470UF M 16V	2nd source
C921	067G215S4713KV	EC 105℃ CAP 470UF M 16V	2nd source
C915	067G215S4713LV	LOW ESR EC 470uF 16V M 10*12.5mm	2nd source
C907	067G215Z10115A	CAP 105℃ 100UF M 450V	2nd source
L905	073G 253 91 V1	CHOKE COIL 1.1uH	
L904	073G 253 91 V1	CHOKE COIL 1.1uH	
L903	073G 253 91 V1	CHOKE COIL 1.1uH	
L905	073G 253191 L	CHOKE COIL 1.1uH CC-007802	2nd source
L904	073G 253191 L	CHOKE COIL 1.1uH CC-007802	2nd source
L903	073G 253191 L	CHOKE COIL 1.1uH CC-007802	2nd source
L901	073L 174 40 HG	GBQM4.778.391	
L901	073L 174 40 NG	LINE FILTER 30mH	2nd source
T801	080GL17T 40 DN	X'FMR TK.2001U.101	2nd source
T901	080GL19T 26 T	X'FMR 610uH SRW24LQL-T15H016	2nd source
CN901	087G 501 32 S	AC SOCKET	2nd source
CN901	087G 501 32 DL	AC SOCKET DIP 3PIN+2PIN GROUND	
CN601	088G 30214K DC	PHONE JACK 5PIN +开口向下弹片	
BD901	093G 50460 28	BRIDGE DIODE KBP208G LITEON	
D907	093G 60519	DIODE SR560 5A/60V DO-27 SECOS	2nd source

D905	093G 60519	DIODE SR560 5A/60V DO-27 SECOS	2nd source
D907	093G 60520	DIODE SR5100 5A/100V DO-27 SECOS	
D905	093G 60520	DIODE SR5100 5A/100V DO-27 SECOS	
D907	093G3006 1 1	31DQ06FC3 NIHON INTER	2nd source
D905	093G3006 1 1	31DQ06FC3 NIHON INTER	2nd source
CN902	095G 82510D531	10P(SCN)-9P(PH) 120MM	2nd source
CN902	095G 82510W531	HARNESS 10P-9P 120MM	
	705GQ857020	Q901 ASS'Y	
	051G 200 1	OIL FOR DISAPPEAR	
Q901	057G 667 30	2SK2645	2nd source
Q901	057G 667906	MOSFET 9A/650V FMA09N65GX TO-220F	
Q901	057G 724 11	STP9NK65ZFP	2nd source
	0M1G 930 8120	SCREW	
HS3	Q90G6263 6	HEAT SINK	
	705GQ893028	D906 ASS'Y	
	051G 200 1	OIL FOR DISAPPEAR	
D906	093G 60250	FCH10U10	2nd source
D906	093G 60267	SP10100	
	0M1G 930 8120	SCREW	
HS2	Q90G6263 6	HEAT SINK	
IC801	056G 379 22	IC TL494IDR SOIC-16	
IC901	056G 379107	IC LD7575A PS SOP-8	
Q801	057G 417 4	PMBS3904/PHILIPS-SMT(04)	
Q806	057G 417 4	PMBS3904/PHILIPS-SMT(04)	
Q811	057G 417 4	PMBS3904/PHILIPS-SMT(04)	
Q903	057G 417 4	PMBS3904/PHILIPS-SMT(04)	
Q904	057G 417 4	PMBS3904/PHILIPS-SMT(04)	
Q807	057G 417 4	PMBS3904/PHILIPS-SMT(04)	
Q804	057G 417 6	PMBS3906/PHILIPS-SMT(06)	
Q812	057G 417 6	PMBS3906/PHILIPS-SMT(06)	
Q801	057G 417 12 T	KEC 2N3904S-RTK/PS	2nd source
Q806	057G 417 12 T	KEC 2N3904S-RTK/PS	2nd source
Q811	057G 417 12 T	KEC 2N3904S-RTK/PS	2nd source
Q903	057G 417 12 T	KEC 2N3904S-RTK/PS	2nd source
Q804	057G 417 13 T	KEC 2N3906S-RTK/PS	2nd source
Q812	057G 417 13 T	KEC 2N3906S-RTK/PS	2nd source
Q802	057G 600 55	P5506 HVG SO-8	2nd source
Q809	057G 759 2	RK7002FD5T116 SOT-23 BY ROHM	2nd source
Q808	057G 760 4A	DTA144WN3/S SOT-23	
Q808	057G 760 4B	PDTA144WK SOT346	2nd source

Q805	057G 760 5A	DTC 144WN3/S SOT-23	
Q805	057G 760 5B	PDTC144WK SOT346	2nd source
Q802	057G 763 14	AM9945N	2nd source
Q809	057G 763511	MOSFET SRK7002LT1G SOT-23 LRC	
Q802	057G 763525	APM9948K	
R823	061G0603000	RST CHIP MAX 0R05 1/10W	
R818	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W	
R824	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W	
R827	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W	
R926	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W	
R942	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W	
R863	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W	
R832	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W	
R828	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W	
R820	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W	
R817	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W	
R808	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W	
R807	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W	
R601	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R602	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R603	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R604	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R605	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R862	061G0603105	RST CHIPR 1M OHM +-5% 1/10W	
R801	061G0603150 1F	RST CHIPR 1.5 KOHM +-1% 1/10W	
R814	061G0603150 1F	RST CHIPR 1.5 KOHM +-1% 1/10W	
R930	061G0603243 1F	RST CHIPR 2.43K OHM +-1% 1/10W	
R861	061G0603270 3F	RST CHIPR 270KOHM +-1% 1/10W	
R940	061G0603330 2F	RST CHIPR 33K OHM +-1% 1/10W	
R927	061G0603360 1F	RST CHIPR 3.6K OHM +-1% 1/10W	
R606	061G0603562	RST CHIPR 5.6 KOHM +-5% 1/10W	
R607	061G0603562	RST CHIPR 5.6 KOHM +-5% 1/10W	
R851	061G0603680 1F	RST CHIPR 6.8 KOHM +-1% 1/10W	
R854	061G0603680 2F	RST CHIPR 68K OHM +-1% 1/10W	
R841	061G0603680 2F	RST CHIPR 68K OHM +-1% 1/10W	
R853	061G0603683	RST CHIPR 68K OHM +-5% 1/10W	
R803	061G0603684	RST CHIPR 680 KOHM +-5% 1/10W	
R802	061G0603750 1F	RST CHIPR 7.5 KOHM +-1% 1/10W	
JR902	061G0805000	RST CHIP MAX 0R05 1/8W	
R821	061G0805100 1F	RST CHIPR 1K OHM +-1% 1/8W	

R822	061G0805100 1F	RST CHIPR 1K OHM +-1% 1/8W	
R831	061G0805100 1F	RST CHIPR 1K OHM +-1% 1/8W	
R915	061G0805100 3F	RST CHIPR 100KOHM +-1% 1/8W	
R804	061G0805101	1ST CHIPR 100 OHM +-5% 1/8W	
R925	061G0805102	RST CHIPR 1K OHM +-5% 1/8W	
R939	061G0805102	RST CHIPR 1K OHM +-5% 1/8W	
R952	061G0805102	RST CHIPR 1K OHM +-5% 1/8W	
R826	061G0805102	RST CHIPR 1K OHM +-5% 1/8W	
R938	061G0805103	RST CHIPR 10K OHM +-5% 1/8W	
R608	061G0805109	RST CHIPR 1 OHM +-5% 1/8W	
R924	061G0805151	RST CHIPR 150 OHM +-5% 1/8W	
R825	061G0805220	RST CHIPR 22 OHM +-5% 1/8W	
R829	061G0805220	RST CHIPR 22 OHM +-5% 1/8W	
R839	061G0805220	RST CHIPR 22 OHM +-5% 1/8W	
R850	061G0805220	RST CHIPR 22 OHM +-5% 1/8W	
R943	061G0805471	RST CHIPR 470 OHM +-5% 1/8W	
R947	061G0805471	RST CHIPR 470 OHM +-5% 1/8W	
R837	061G0805473	RST CHIPR 47K OHM +-5% 1/8W	
R810	061G0805510 2F	RST CHIPR 51K OHM +-1% 1/8W	
F904	061G1206000	RST CHIP MAX 0R05 1/4W	
JR801	061G1206000	RST CHIP MAX 0R05 1/4W	
F801	061G1206000 4	RST CHIP MAX 0R05 1/4W	
F905	061G1206000 4	RST CHIP MAX 0R05 1/4W	
R910	061G1206100	RST CHIPR 10 OHM +-5% 1/4W	
R918	061G1206101	RST CHIPR 100 OHM +-5% 1/4W	
R919	061G1206101	RST CHIPR 100 OHM +-5% 1/4W	
R921	061G1206101	RST CHIPR 100 OHM +-5% 1/4W	
R922	061G1206101	RST CHIPR 100 OHM +-5% 1/4W	
R923	061G1206101	RST CHIPR 100 OHM +-5% 1/4W	
R935	061G1206101	RST CHIPR 100 OHM +-5% 1/4W	
R961	061G1206101	RST CHIPR 100 OHM +-5% 1/4W	
R962	061G1206101	RST CHIPR 100 OHM +-5% 1/4W	
R920	061G1206101	RST CHIPR 100 OHM +-5% 1/4W	
R856	061G1206150	RST CHIPR 15 OHM +-5% 1/4W	
R855	061G1206150	RST CHIPR 15 OHM +-5% 1/4W	
R912	061G1206221	RST CHIPR 220 OHM +-5% 1/4W	
R909	061G1206519	RST CHIPR 5.1 OHM +-5% 1/4W	
R900	061G1206684	RST CHIPR 680K OHM +-5% 1/4W	
R901	061G1206684	RST CHIPR 680K OHM +-5% 1/4W	
R902	061G1206684	RST CHIPR 680K OHM +-5% 1/4W	

R904	061G1206822	RST CHIPR 8.2 KOHM +-5% 1/4W	
R932	061G1206822	RST CHIPR 8.2 KOHM +-5% 1/4W	
C611	065G0603101 31	CER1 0603 NP0 50V 100P PM5 R	
C610	065G0603101 31	CER1 0603 NP0 50V 100P PM5 R	
C932	065G0603102 32	1000PF +-10% 50V X7R	
C834	065G0603103 22	CHIP 10NF 25V X7R 0603	
C842	065G0603103 32	CAP CHIP 0603 0.01UF K 50V X7R	
C612	065G0603104 12	CER2 0603 X7R 16V 100N P	
C613	065G0603104 12	CER2 0603 X7R 16V 100N P	
C807	065G0603104 22	CAP CHIP 0603 0.1UF K 25V X7R	
C821	065G0603104 22	CAP CHIP 0603 0.1UF K 25V X7R	
C825	065G0603104 22	CAP CHIP 0603 0.1UF K 25V X7R	
C819	065G0603222 22	CHIP 2200PF 25V X7R	
C823	065G0603222 22	CHIP 2200PF 25V X7R	
C601	065G0603474 12	MLCC 0603 0.47UF K 16V X7R	
C602	065G0603474 12	MLCC 0603 0.47UF K 16V X7R	
C603	065G0603474 12	MLCC 0603 0.47UF K 16V X7R	
C606	065G0603474 12	MLCC 0603 0.47UF K 16V X7R	
C928	065G0805103 32	CAP CHIP 0805 10NF K 50V X7R	
C824	065G0805104 32	CAP CHIP 0805 0.1uF K 50V X7R	
C911	065G0805104 32	CAP CHIP 0805 0.1uF K 50V X7R	
C924	065G0805104 32	CAP CHIP 0805 0.1uF K 50V X7R	
C930	065G0805104 32	CAP CHIP 0805 0.1uF K 50V X7R	
C931	065G0805104 32	CAP CHIP 0805 0.1uF K 50V X7R	
C822	065G080510522K T	CAP CHIP 0805 1UF K 25V X7R	
C609	065G080510522K T	CAP CHIP 0805 1UF K 25V X7R	
C608	065G080510522K T	CAP CHIP 0805 1UF K 25V X7R	
C839	065G0805152 31	1.5nF/50V	
C838	065G0805152 31	1.5nF/50V	
C820	065G080522131G	CAP CHIP 0805 220PF G 50V NPO	
C845	065G080522512K 3	CAP CHIP 0805 2U2 16V X7R +/-10%	2nd source
C845	065G080522512K M	MLCC 0805 CAP 2.2uF 16V X7R	2nd source
C845	065G080522512K T	CAP CHIP 0805 2.2UF K 16V X7R	
C909	065G0805471 21	CAP CHIP 0805 470PF J 25V NPO	
C929	065G1206102 72	CAP CHIP 1206 1000PF K 500V X7R	
C912	065G1206102 72	CAP CHIP 1206 1000PF K 500V X7R	
C910	065G1206102 72	CAP CHIP 1206 1000PF K 500V X7R	
D802	093G 6433S	DIODE BAV99 SEMTECH	
D801	093G 6433S	DIODE BAV99 SEMTECH	
ZD923	093G 39S 24 T	RLZ 5.6B LLDS	

ZD922	093G 39S 25 T	RLZ5.1B LLDS	
ZD921	093G 39S 40 T	RLZ 13B LLDS	
ZD902	093G 39S 40 T	RLZ 13B LLDS	
ZD905	093G 39S 44 T	RLZ18B LLDS	
D805	093G 64S522SEM	LL4148	
D806	093G 64S522SEM	LL4148	
D807	093G 64S522SEM	LL4148	
D812	093G 64S522SEM	LL4148	
D916	093G 64S522SEM	LL4148	
D915	093G 64S522SEM	LL4148	
D903	093G 64S522SEM	LL4148	
D817	093G 64S522SEM	LL4148	
D814	093G 64S522SEM	LL4148	
CN901	006G 31500	EYELET	
IC903	056G 158 10 T	IC AS431AZTR-E1 TO-92	
IC903	056G 158 12	KIA431A-AT/P TO-92	2nd source
R908	061G152M10452T	RST MOFR 100KOHM +-5% 2WS	
R946	061G152M15152T	RST MOFR 150 OHM +-5% 2WS	
R914	061G152M47852T	RST MOFR 0.47 OHM +-5% 2WS	
R948	061G152M56052T	RST MOFR 56 OHM +-5% 2WS	
C906	065G 2K152 1T6213	CAP CER 1500PF K 2KV	2nd source
C906	065G 2K152 2T6921	CAP CER 1500pF K 2KV Y5P	
C903	067G 2152207NT	KY50VB22M-TP5 5*11	
C604	067G215Y1014KT	EC CAP.105 度	
C903	067G215Y2207KT	CAP 105℃ 22UF M 50V KINGNICHI	2nd source
FB602	071G 55 9 T	FERRITE BEAD	
F901	084G 56 3 B	FUSE 3.15A 250V	
F901	084G 56 3W	FUSE	2nd source
D900	093G 6026T52T	RECTIFIER DIODE FR107	
D900	093G 6026W52T	FR107	2nd source
D901	093G 6038P52T	PS102R	2nd source
D901	093G 6038T52T	FR103	
J805	095G 90 23	JUMPER WIRE	
J804	095G 90 23	JUMPER WIRE	
J803	095G 90 23	JUMPER WIRE	
J802	095G 90 23	JUMPER WIRE	
J806	095G 90 23	JUMPER WIRE	
J807	095G 90 23	JUMPER WIRE	
J809	095G 90 23	JUMPER WIRE	
J811	095G 90 23	JUMPER WIRE	

J914	095G 90 23	JUMPER WIRE	
J912	095G 90 23	JUMPER WIRE	
J911	095G 90 23	JUMPER WIRE	
J910	095G 90 23	JUMPER WIRE	
J909	095G 90 23	JUMPER WIRE	
J908	095G 90 23	JUMPER WIRE	
J907	095G 90 23	JUMPER WIRE	
J906	095G 90 23	JUMPER WIRE	
J904	095G 90 23	JUMPER WIRE	
J903	095G 90 23	JUMPER WIRE	
J901	095G 90 23	JUMPER WIRE	
J813	095G 90 23	JUMPER WIRE	
J812	095G 90 23	JUMPER WIRE	
J801	095G 90 23	JUMPER WIRE	
J605	095G 90 23	JUMPER WIRE	
J602	095G 90 23	JUMPER WIRE	
J601	095G 90 23	JUMPER WIRE	
	715G2852 3 4	POWER-PCB FR-1 193*122*1.6MM 94V-0 SS	
	Q51G 100510500 GP	GLUE_RE-WET	
T801	S80GL17T40V	变压器 ASS'Y	
T901	S80GL19T26V1	Transformer ASS'Y	
	Q15G0346Y01 1	MAIN FRAME	
	Q33G0264ABJ 1L	osd button	2nd source
	Q33G0265 1 1D	power lens	
	Q33G0266AED 1L	power BUTTON	
	Q34G0518AED 1L9090	STAND	
	Q34G0520AEDX4L9090	bezel 18.5(前框)	
	Q34G0521ABJZ4L9090	REAR COVER L185W-8511	
	Q34G0522ABJ 1L9090	REAR POWER COVER	
	Q34G0523AED 1L9090	base	
	Q37G0115012	hinge	
	Q44G8017101	EPS	
	Q44G8017201	EPS	
E09501	S95G80183H39	LVDS ASS'Y	
E09501	095G8018 3DH39	WIRE HARNESS 30P-14P 140mm	2nd source