Monitor AOC 917Sw

Experimente imagens em ótima resolução com o Monitor AOC 917Sw, diversas opções de conexão e tecnologias que oferecem mais conforto visual em um monitor projetado para o seu dia a dia, tudo isso em uma tela de 19.5 Polegadas.

Service
Service
Service

Service Manual

Horizontal Frequency
30-83 KHz

TABLE OF CONTENTS

SAFETY NOTICE

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

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

Revision List

Version	Release Date	Revision History	TPV Model Name
A00	Feb.-17-2008	Initial release	T98SM5NBUWA1NN
			T9RSM5NLUWCKNZ
			T9RSM5NPUWA5NN
			T9RSM5NPUWA5NG
			T9RSM5NQUWA2NN
			T9RSM5NQUWA3NN
			T9RSM5NQUWA4NN
			T9RSM5NKUWA2NN

Important Safety Notice

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

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

WARNING

Use of substitute replacement parts, which do not have the same, specified safety characteristics may create shock, fire, or other hazards.

Under no circumstances should the original design be modified or altered without written permission from AOC. AOC assumes no liability, express or implied, arising out of any unauthorized modification of design.
Servicer assumes all liability.

FOR PRODUCTS CONTAINING LASER:
DANGER-Invisible laser radiation when open AVOID DIRECT EXPOSURE TO BEAM.
CAUTION-Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
CAUTION -The use of optical instruments with this product will increase eye hazard.

TO ENSURE THE CONTINUED RELIABILITY OF THIS PRODUCT, USE ONLY ORIGINAL MANUFACTURER'S REPLACEMENT PARTS, WHICH ARE LISTED WITH THEIR PART NUMBERS IN THE PARTS LIST SECTION OF THIS SERVICE MANUAL.
Take care during handling the LCD module with backlight unit
-Must mount the module using mounting holes arranged in four corners.
-Do not press on the panel, edge of the frame strongly or electric shock as this will result in damage to the screen.
-Do not scratch or press on the panel with any sharp objects, such as pencil or pen as this may result in damage to the panel.
-Protect the module from the ESD as it may damage the electronic circuit (C-MOS).
-Make certain that treatment person's body is grounded through wristband.
-Do not leave the module in high temperature and in areas of high humidity for a long time.
-Avoid contact with water as it may a short circuit within the module.
-If the surface of panel becomes dirty, please wipe it off with a soft material. (Cleaning with a dirty or rough cloth may damage the panel.)

1. Monitor Specifications

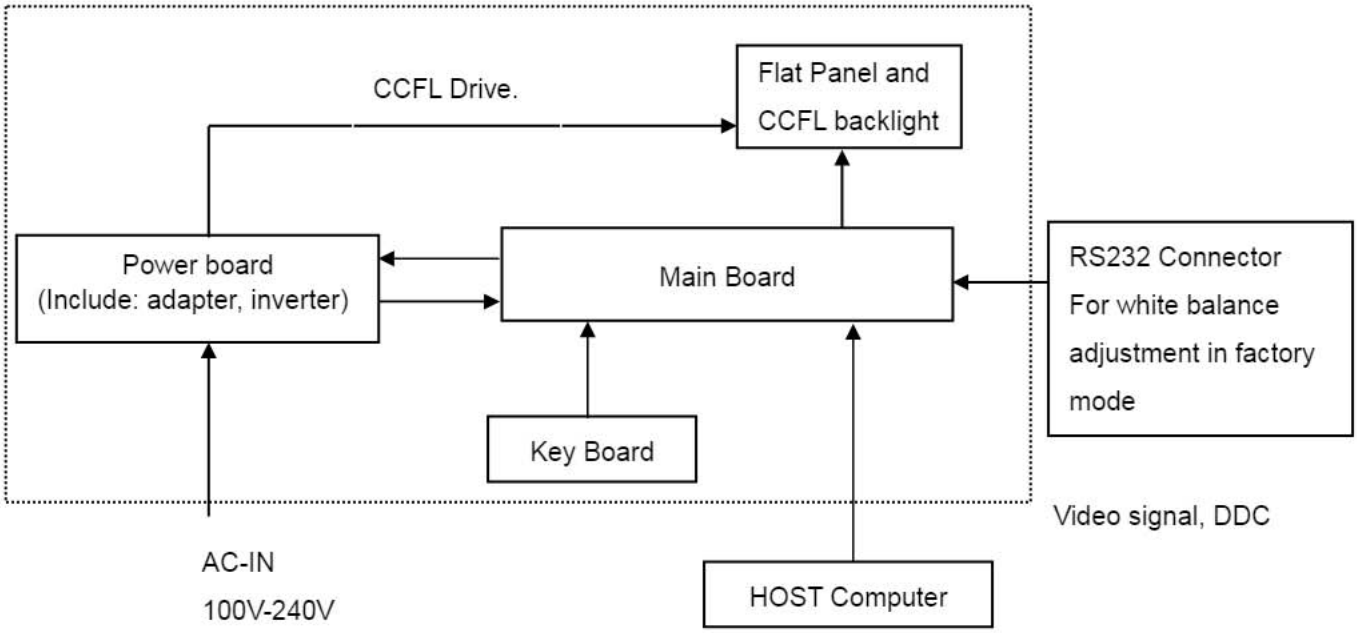
LCD Panel	Model number	917Sw
	Driving system	TFT Color LCD
	Viewable Image Size	481mm diagoanl
	Pixel pitch	0.2835mm(H) x 0.2835mm(V)
	Video	R, G, B Analog Interface
	Separate Sync.	H/V TTL
	Display Color	16.7M Colors
	Dot Clock	128 MHz
Resolution	Horizontal scan range	30 kHz - 83 kHz
	Horizontal scan Size(Maximum)	408.24mm
	Vertical scan range	56 Hz - 75 Hz
	Vertical scan Size(Maximum)	255.15mm
	Optimal preset resolution	1440 x 900 (60 Hz)
	Highest preset resolution	1440 x 900 (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, 47~63Hz
	Power Consumption	Active < 37W
		Standby < 1W
Physical Characteristics	Connector Type	15-pin Mini D-Sub
	Signal Cable Type	Detachable
	Dimensions & Weight:	
	Height (with base)	439 mm
	Width	358 mm
	Depth	204 mm
	Weight (monitor only)	3.8 kg
	Weight (with packaging)	4.7 kg
Environmental	Temperature:	
	Operating	0° to 50°
	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 a main board, a power board and a key board which house the flat panel control logic, brightness control logic and DDC.

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

Monitor Block Diagram



3. Operating Instructions

3.1 General Instructions

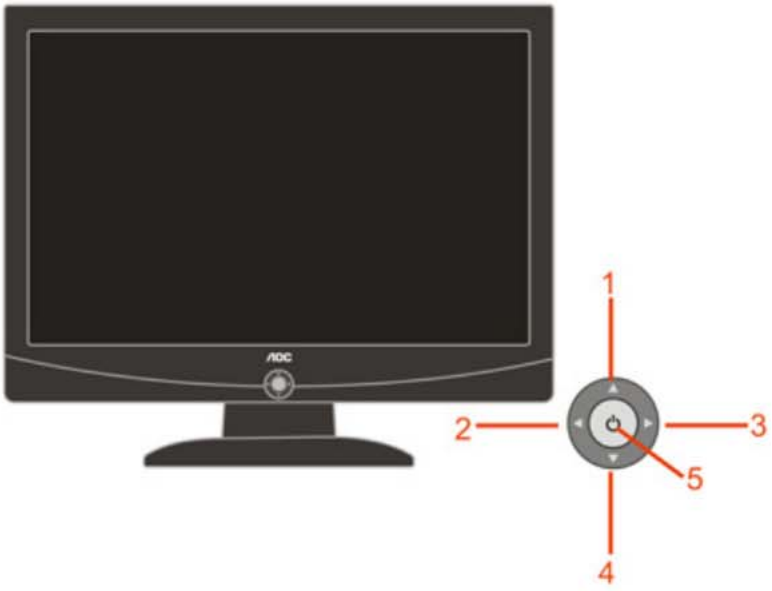
Press the power button to turn the monitor on or off. The other control buttons are located at the front of the panel of the monitor.

By changing these settings, the picture can be adjusted to your personal preferences.

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

3.2 Control Buttons

3.2.1 Key Control

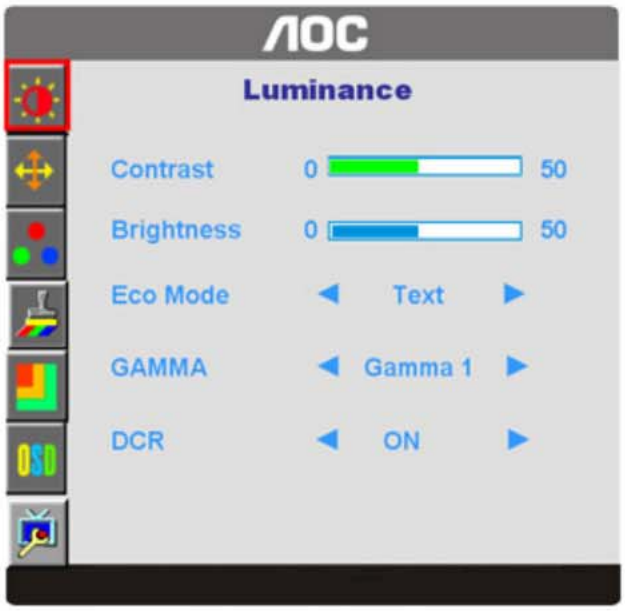


1. Eco Mode / Up 2. Exit / - 3. Menu / + 4. Auto / Down 5. Power on/off

3.2.2 Key Function

1) Press the MENU-button (►) to activate the OSD window.
2) Press▼ or ▲to navigate through the functions. Once the desired function is highlighted, press the MENU-button to activate sub-menu . Once the desired function is highlighted, press MENU-button to activate it.
3) Press ►or ◄to change the settings of the selected function. Press ▼or ▲to select another function in sub-menu . Press AUTO(◄) to exit . If you want to adjust any other function, repeat steps 2-3.
4) OSD Lock Function: To lock the OSD, press and hold the MENU button while the monitor is off and then press power button to turn the monitor on. To un-lock the OSD - press and hold the MENU button while the monitor is off and then press power button to turn the monitor on.
5) Eco Mode hot key (▲) : Press the Eco key continuously to select the Eco mode of brightness when there is no OSD (Eco mode hot key may not be available in all models).
6) Volume adjustment hot key : When there is no OSD , press Volume (▼) to active volume adjustment bar, press ► or ◄to adjust volume (Only for the models with speakers).

3.3 OSD Menu



OSD Function Introduction

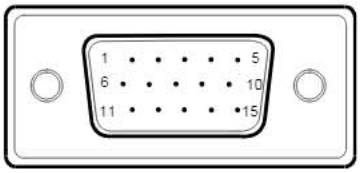
	Luminance	Adjust Range	Description
	Brightness	0-100	Backlight Adjustment
	Contrast	0-100	Contrast from Digital-register
	Eco mode	Standard	Standard Mode
		Text	Text Mode
		Internet	Internet Mode
		Game	Game Mode
		Movie	Movie Mode
		Sports	Sports Mode
	Gamma	Gamma1	Adjust to Gamma 1
		Gamma2	Adjust 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.
	Focus	0-100	Adjust Picture Phase to reduce Horizontal-Line noise
	H.Position	0-100	Adjust the horizonal position of the picture.
	V.Position	0-100	Adjust the vertical position of the picture
	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-B	Blue Gain from Digital-register
		User-G	Green Gain Digital-register.
	User	User-R	Red Gain from Digital-register
		User-Y	Yellow Gain from Digital-register
		User-C	Cyan 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	0-100	Adjust Frame Size
	Brightness	0-100	Adjust Frame Brightness
	Contrast	0-100	Adjust Frame Contrast
	Hue	0-100	Adjust Frame Hue
	Saturation	0-100	Adjust Frame Saturation
	Position	H. position	Adjust Frame horizontal Position
		V.position	Adjust Frame vertical Position
	OSD Setup		
	H.Position	0-100	Adjust the horizontalposition of OSD
	V.Position	0-100	Adjust the vertical position of OSD
	Timeout	0-100	Adjust the OSD Timeout
	Language		Select the OSD language
	Extra		
	Auto Config	yes or no	Auto adjust the picture to default
	Reset	yes or no	Reset the menu to default
	DDC-CI		Turn ON/OFF DDC-CI Support
	Information		Show the information of the main image and sub-image source

4. Input/Output Specification

4.1 Input Signal Connector

Analog connectors

Pin No.	Description	Pin No.	Description
1.	Red Video	9.	+5V
2.	Green Video	10.	Ground
3.	Blue Video	11.	N.C.
4.	N.C.	12.	DDC-Serial Data
5.	Detect Cable	13.	H-Sync
6.	Red Ground	14.	V-Sync
7.	Green Ground	15.	DDC-Serial Clock
8.	Blue Ground		
VGA connector layout			
			

4.2 Power Supply Requirements

A/C Line voltage range	100 V ~ 240 V
A/C Line frequency range	50 ± 3Hz, 60 ± 3Hz
Current	1.5A max at 100V; 0.8A max at 240 V
Peak surge current	< 55A peak at 240 VAC and cold starting
Leakage current	< 3.5mA
Power line surge	No advance effects (no loss of information or defect) with a maximum of 1 half-wave missing per second
DC output Voltage	: 5VDC ± 5%; 12VDC± 5%
CURRENT	1.5Amp (5V) ：2 Amp (12V)

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4.3 Factory Preset Display Modes

Stand	Resolution	Horizontal Frequency(Khz)	Vertical Frequency(Hz)
Dos-mode	720 × 400	31.47kHz	70.0Hz
VGA	640 × 480	31.47kHz	60.0Hz
	640 × 480	37.50kHz	75.0Hz
SVGA	800 × 600	37.879kHz	60.0Hz
	800 × 600	46.875kHz	75.0Hz
XGA	1024 × 768	48.363kHz	60.0Hz
	1024 × 768	56.476kHz	70.0Hz
	1024 × 768	60.021kHz	75.0Hz
SXGA	1280 × 1024	64.000kHz	60.0Hz
	1280 × 1024	80.000kHz	75.0Hz
WXGA	1440 × 900	55.935kHz	59.8Hz

4.4 Panel Specification

4.4.1 General Features

LTM190M2-L31 is a color active matrix liquid crystal display (LCD) that uses amorphous silicon TFT(Thin Film Transistor) as switching components. This model is composed of a TFT LCD panel, a driver circuit and a back light unit. The resolution of a 19.0" is 1440 x 900 and this model can display up to 16.7 millions colors.

Features

- High contrast ratio, high aperture structure
- TN (Twisted Nematic) mode
- Wide Viewing Angle
- High speed response
- WXGA+ (1440 x 900 pixels) resolution
- Low power consumption
- 2 dual CCFTs (Cold Cathode Fluorescent Tube)
- DE (Data Enable) only mode
- LVDS (Low Voltage Differential Signaling) interface (2pixel/clock)
- Compact Size Design
- RoHS compliance
- TCO'03 compliance

4.4.2 Display Characteristics

Items	Specification	Unit
Pixel Pitch	0.2835(H) x 0.2835(W)	mm
Active Display Area	408.24(H) x 255.15(V)	mm
Surface Treatment	Haze 25%, Hard-coating(3H)	
Display Colors	16.7M (6bit Hi-FRC)	colors
Number of Pixels	1440 x 900	pixel
Pixel Arrangement	RGB vertical stripe	
Display Mode	Normally White	
Power Consumption	24.6 Watt (Typ.)	
Luminance of White	300(Typ.)	cd/S

Mechanical Information

Item		Min.	Typ.	Max.	Unit	Note
Module size	Horizontal (H)	427.5	428.0	428.5	mm	w/o inverter ass'y
	Vertical (V)	277.5	278.0	278.5	mm	
	Depth (D)	-	-	17.5	mm	
Weight		-	-	2,550	g	LCD module only

4.4.3 Optical Characteristics

Item		Symbol	Condition	Min.	Typ.	Max.	Unit
Contrast Ratio (Center of screen)		C/R		600	1000	-	
Response Time	Rising	Tr		-	1.3	4	msec
	Falling	Tf		-	3.7	6	msec
Luminance of White (Center of screen)		Y_L		250	300	-	cd/m2
Color Chromaticity (CIE 1931)	Red	Rx	Normal $\theta_{L,R}=0$ $\theta_{U,D}=0$ Viewing Angle	0.610	0.640	0.670	
		Ry		0.300	0.329	0.360	
	Green	Gx		0.270	0.300	0.330	
		Gy		0.570	0.600	0.630	
	Blue	Bx		0.120	0.150	0.180	
		By		0.030	0.060	0.090	
	White	Wx		0.283	0.313	0.343	
		Wy		0.299	0.329	0.359	
Color Chromaticity (CIE 1976)	Red	Ru'		-	0.451	-	
		Rv'		-	0.523	-	
	Green	Gu'		-	0.125	-	
		Gv'		-	0.563	-	
	Blue	Bu'		-	0.175	-	
		Bv'		-	0.158	-	
	White	Wu'		-	0.198	-	
		Wv'		-	0.468	-	
C.G.L	White	Φ u'v'		-	0.011	0.02	

Item		Symbol	Condition	Min.	Typ.	Max.	Unit
Color Gamut		-		-	72	-	%
Color Temperature		-		-	6500	-	K
Viewing Angle	Hor.	θ_L	CR` 10(5)	70(80)	80(89)	-	Degrees
		θ_R		70(80)	80(89)	-	
	Ver.	θ_U		70(80)	80(89)	-	
		θ_D		70(80)	80(89)	-	
Brightness Uniformity (9 Points)		B_{uni}		-	-	25	%

4.4.4 Electrical Characteristics

(1) TFT-LCD

Item		Symbol	Min.	Typ.	Max.	Unit
Voltage of Power Supply		V_{DD}	4.5	5.0	5.5	V
LVDS Input Characteristics	Differential Input Voltage for LVDS Receiver Threshold	High	-	-	+100	mV
		Low	-100	-	-	mV
	LVDS skew	t_{SKEW}	-300		300	
	Differential input voltage	$\|V_{ID}\|$	200		600	mV
	Input voltage range (single-ended)	V_{IN}	0		2.4	V
	Common mode voltage	V_{CM}	0+ $\|V_{ID}\|/2$	1.2	2.4- $\|V_{ID}\|/2$	V
Current of Power Supply	(a) Black	I_{DD}	-	1100	-	mA
	(b) White		-	800	-	mA
	(c) Dot		-	1200	1600	mA
Vsync Frequency		f_V	56	60	76	Hz
Hsync Frequency		f_H	52.6	56.4	71.4	kHz
Main Frequency		f_{DCLK}	48.4	51.9	65.7	MHz
Rush Current		I_{RUSH}	-	-	3	A

(2) Backlight

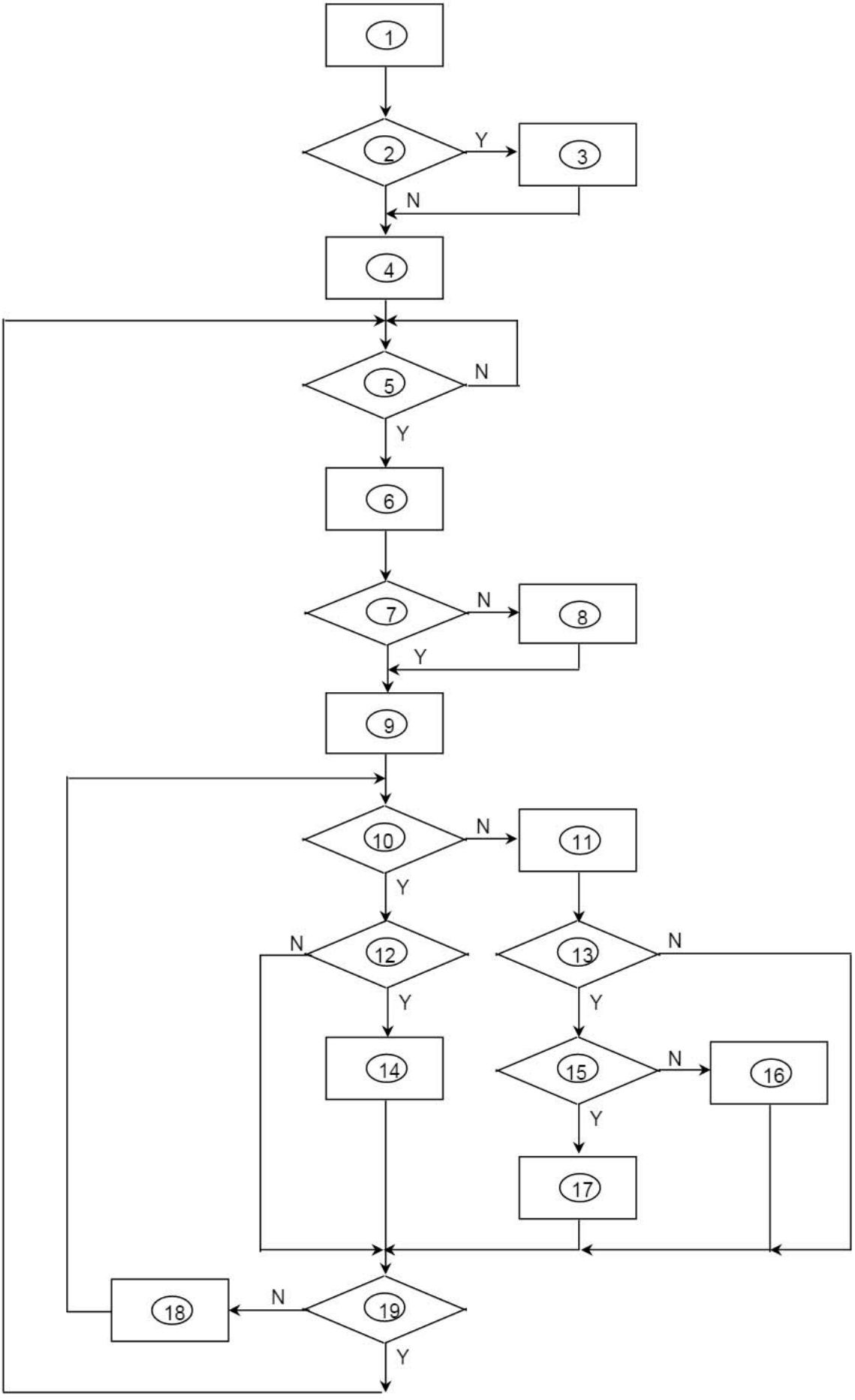
The back light unit is an edge - lighting type with 2 dual CCFTs (Cold Cathode Fluorescent Tube) The characteristics of two dual lamps are shown in the following tables.

Ta=25 [2ºC

Item		Symbol	Min.	Typ.	Max.	Unit
Lamp Current		I_L	3.0	6.5	8.0	mArms
Lamp Voltage		V_L	-	715	-	Vrms
Lamp Frequency		f_L	40	-	60	kHz
Operating Life Time		Hr	50,000	-	-	Hour
Inverter waveform	Asymmetry rate	Wasy	-	-	10	%
	Distortion rate	Wdis	1.2726	1.414	1.5554	
Startup Voltage		Vs	-	-	0f : 1,480 25f : 1,170	Vrms

5. Block Diagram

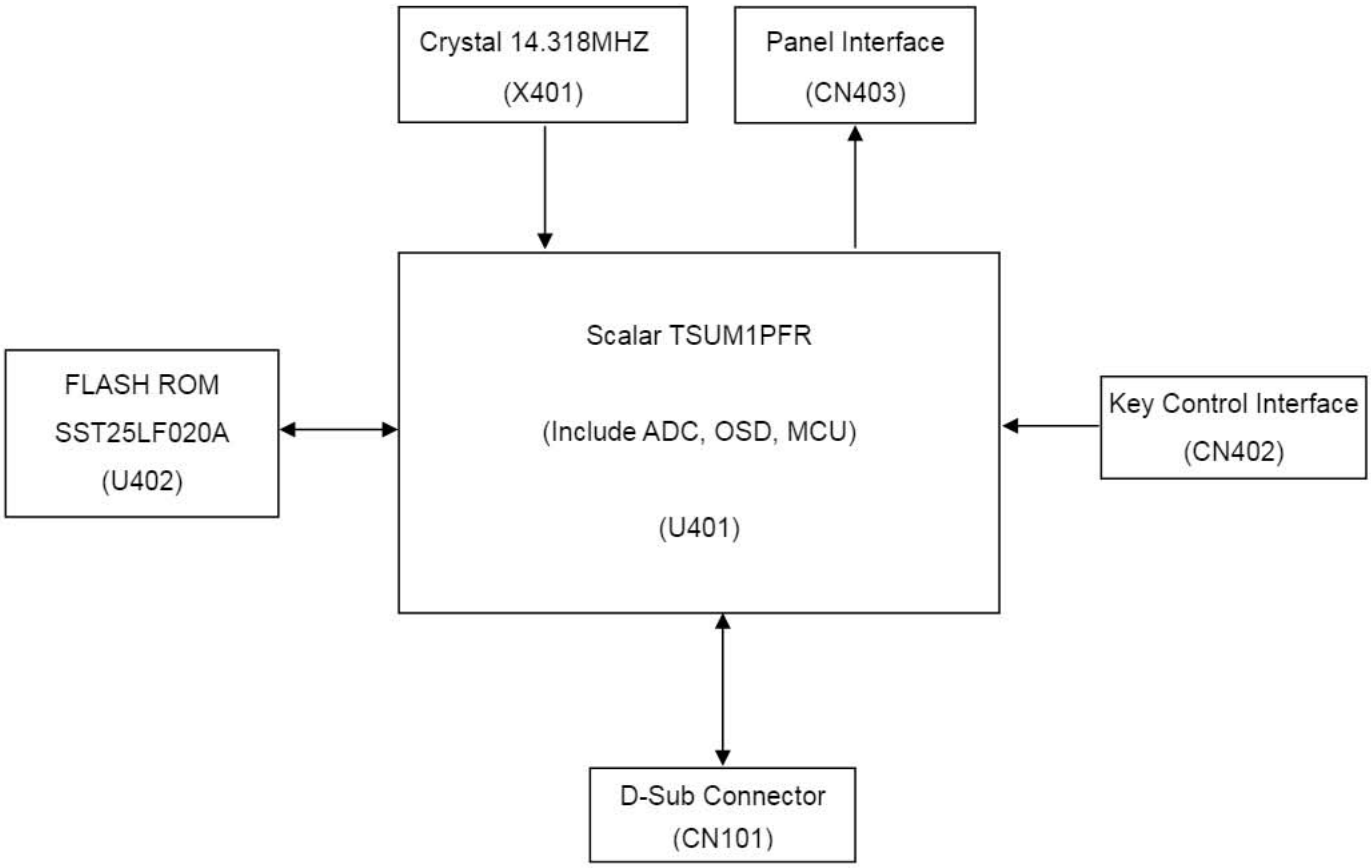
5.1 Software Flow Chat



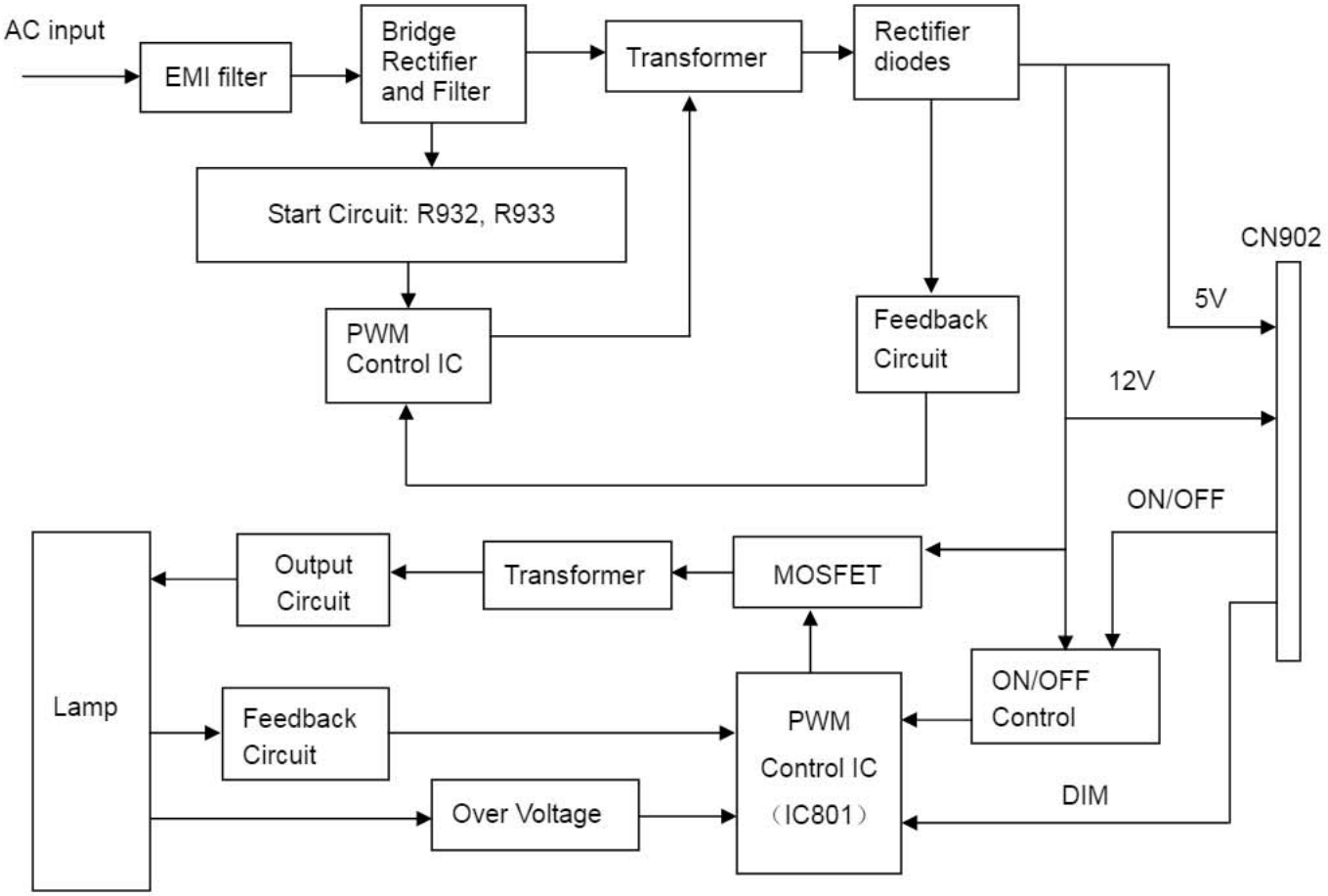
1) MCU initialize.
2) Is the EPROM blank?
3) Program the EPROM by default values.
4) Get the PWM value of brightness from EPROM.
5) Is the power key pressed?
6) Clear all global flags.
7) Are the AUTO and SELECT keys pressed?
8) Enter factory mode.
9) Save the power key status into EPROM. Turn on the 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 there 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 disappear.
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

5.2.1 Main Board



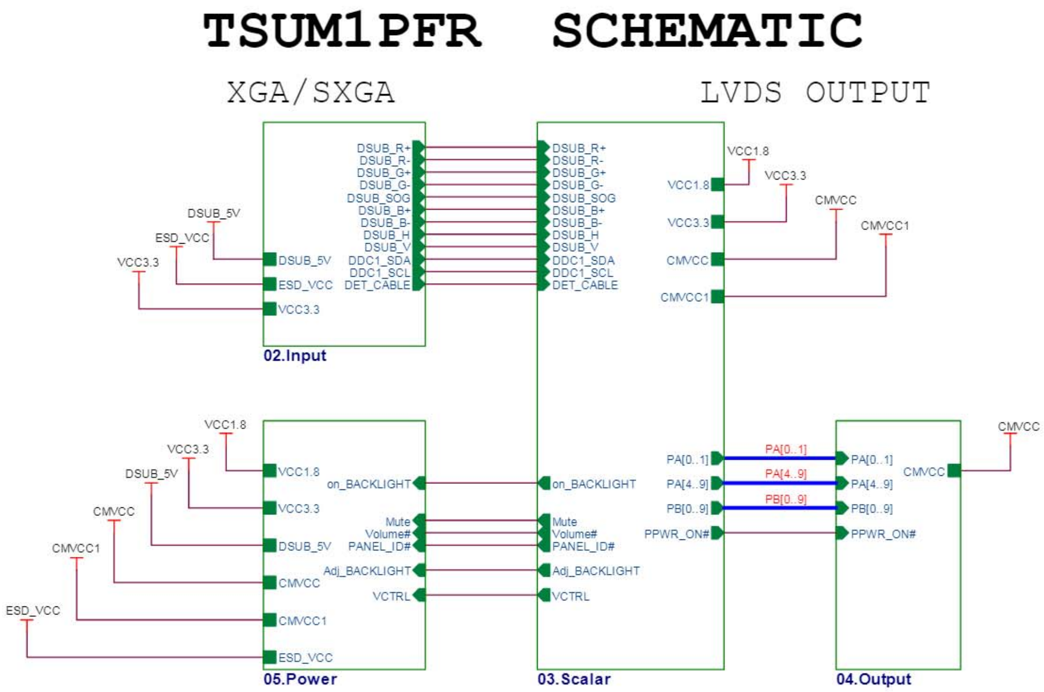
5.2.2 Inverter/Power Board



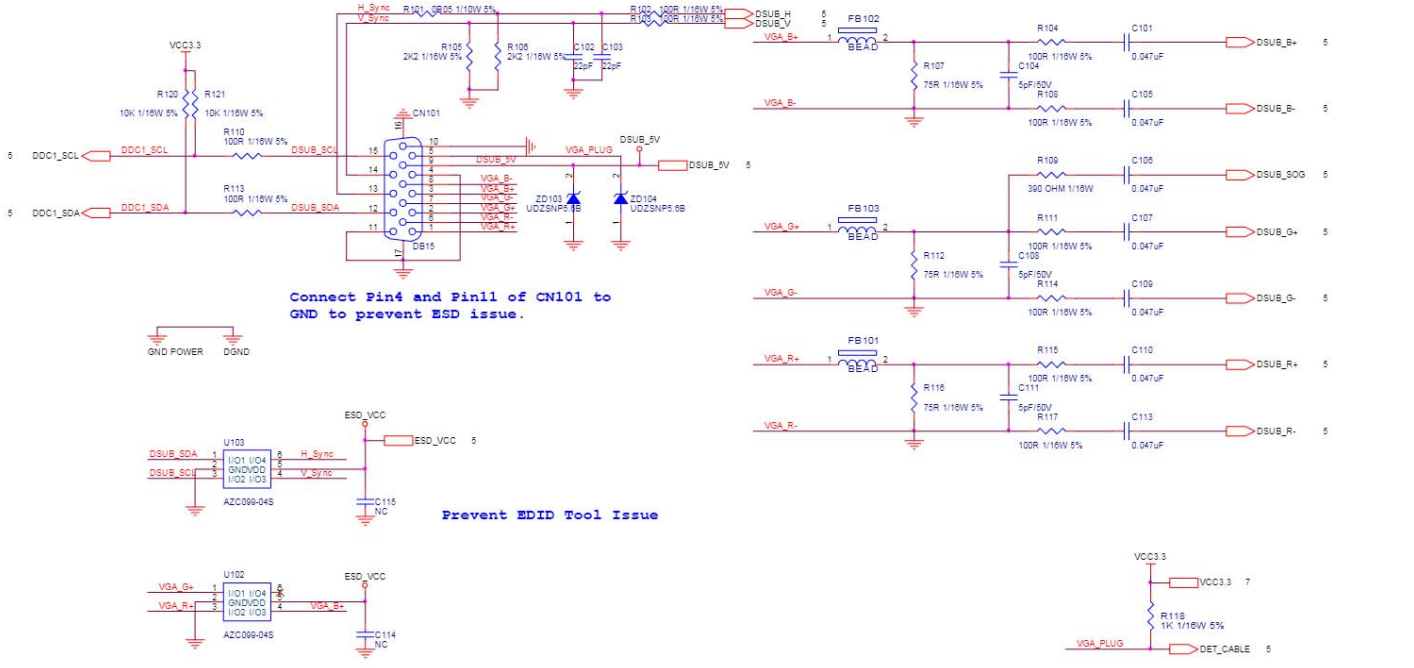
6. Schematic

6.1 Main Board

715G2904 1



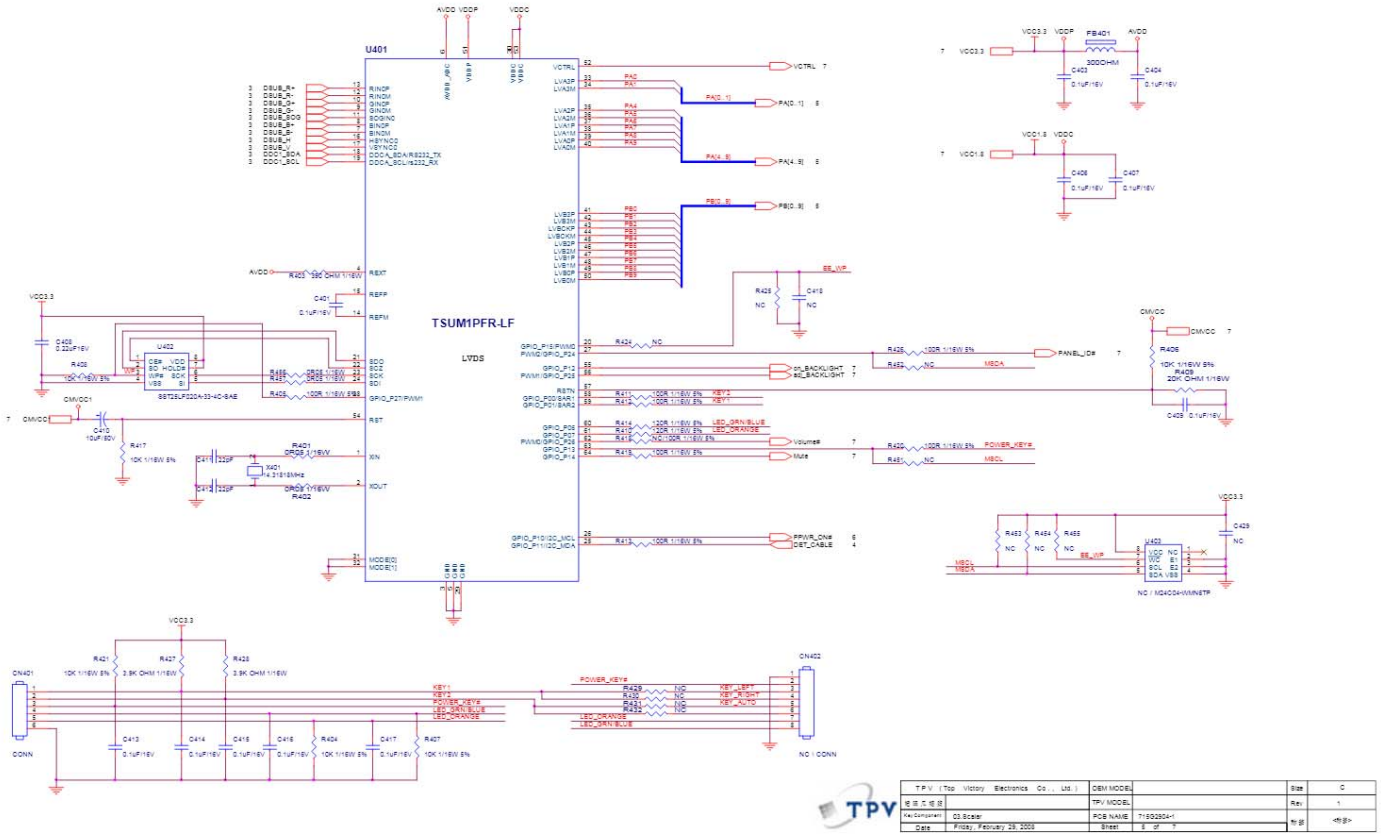
TPV (Top Victory Electronics Co., Ltd.)		OEM MODEL		Size	A
[illegible]		TPV MODEL		Rev	1
Key Component	01.Top	PCB NAME	715G2904-1	[illegible]	<[illegible]>
Date	Friday, February 29, 2008	Sheet	3 of 7		

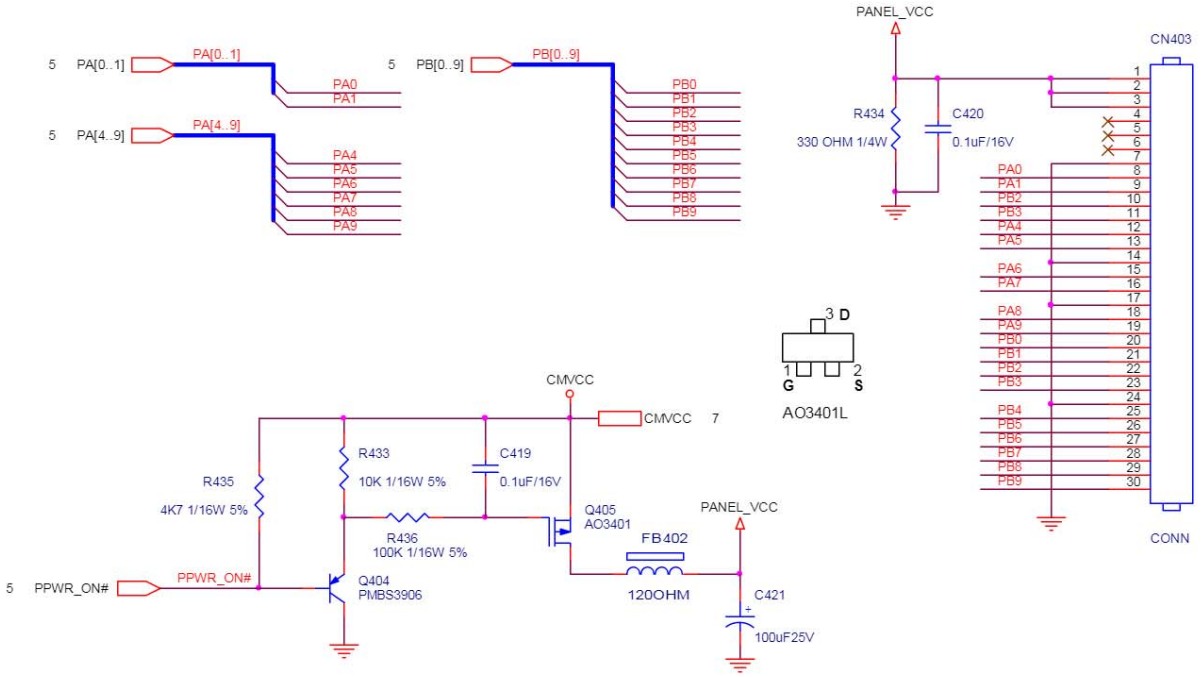


Connect Pin4 and Pin11 of CN101 to GND to prevent ESD issue.

Prevent EDID Tool Issue

TPV (Top Victory Electronics Co., Ltd.)		OEM MODEL		Size	B
板得众电脑		TPV MODEL		Rev	1
Key Component	02 Input	PCB NAME	715G2904-1	标签	<标签>
Date	Friday, February 29, 2008	Sheet	4 of 7		


U401
TSUM1PFR-LF
LVDS
U402
S8T25LP020A-33-4C-SAE
X401
14.31818MHz
CN401
CONN
CN402
NO I CONN
TPV
TPV MODEL
OEM MODEL
PCB NAME
715G2904-1
Friday, February 29, 2008



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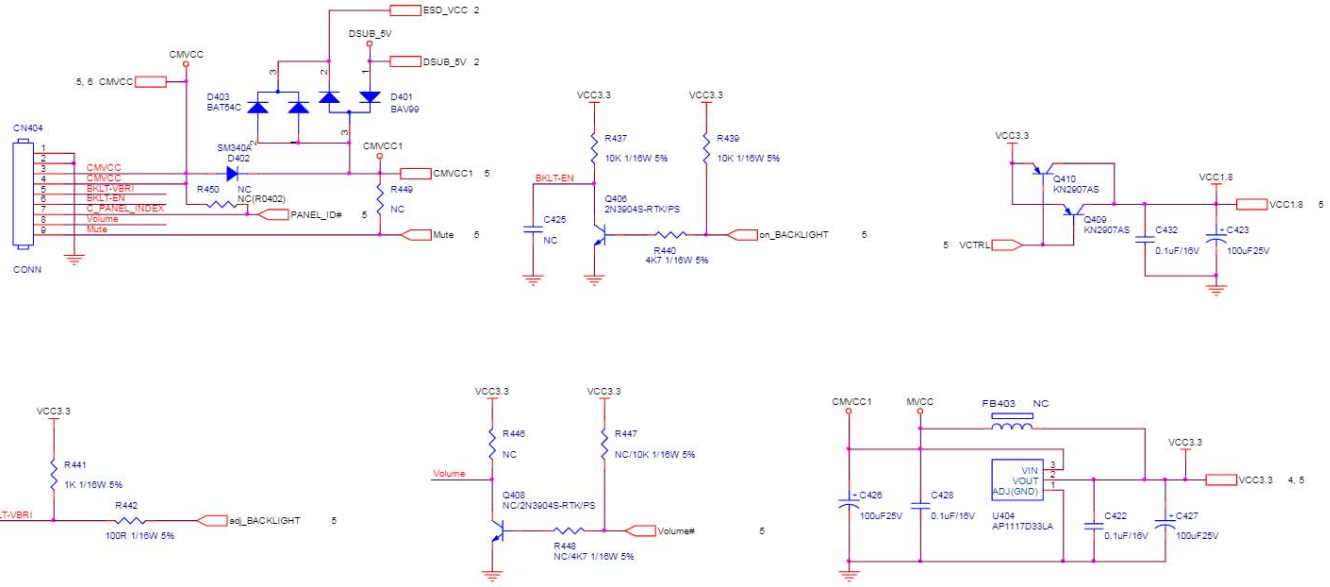
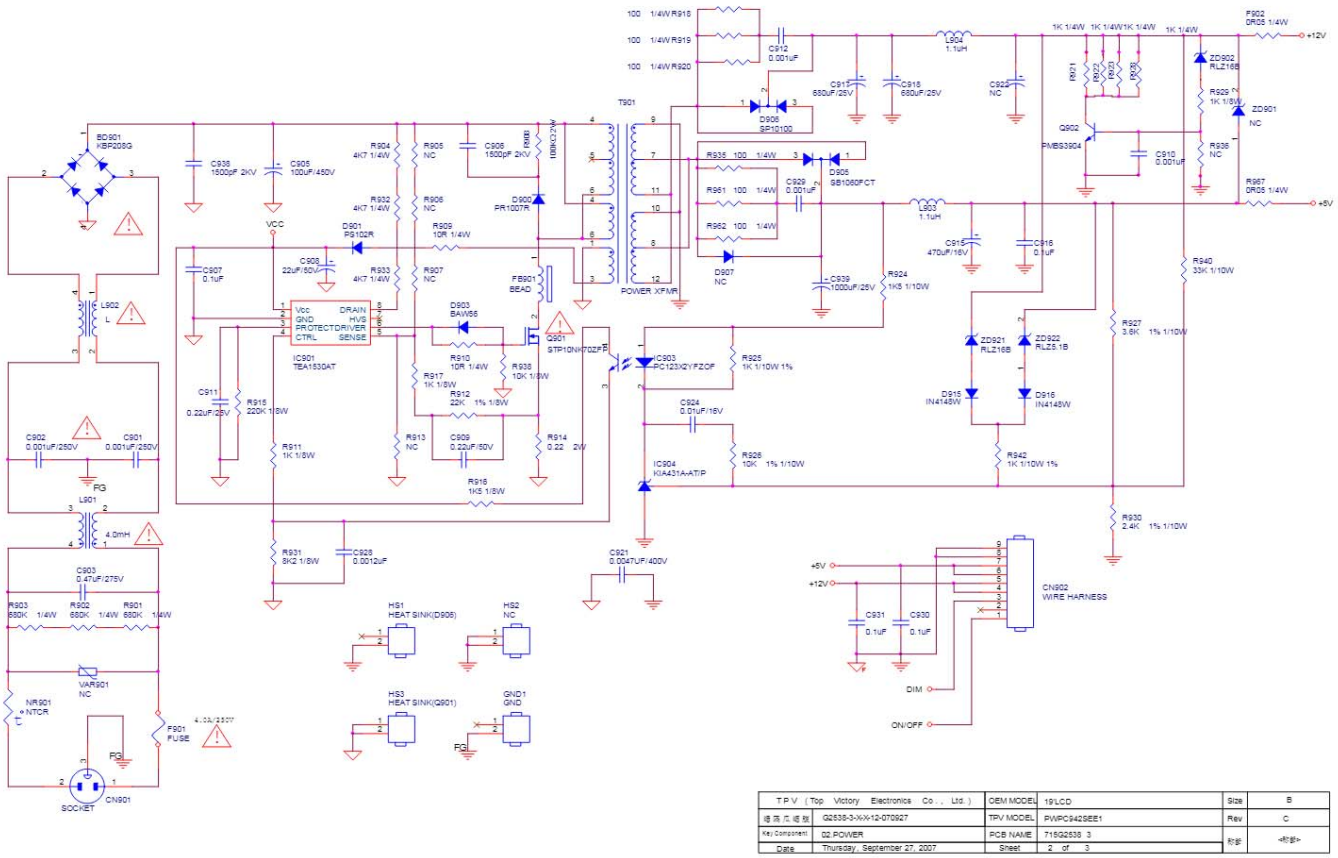
Date	Friday, February 29, 2008	Sheet	6 of 7		



TPV (Top Victory Electronics Co., Ltd.)		OEM MODEL		Size	B
板筒点板版		TPV MODEL		Rev	1
Key Component	05.Power	PCB NAME	715G2904-1	标签	<标签>
Date	Friday, February 29, 2008	Sheet	7 of 7		

6.2 Power Board

715G2538-5



TPV (Top Victory Electronics Co., Ltd.)		OEM MODEL	19'LCD	Size	B
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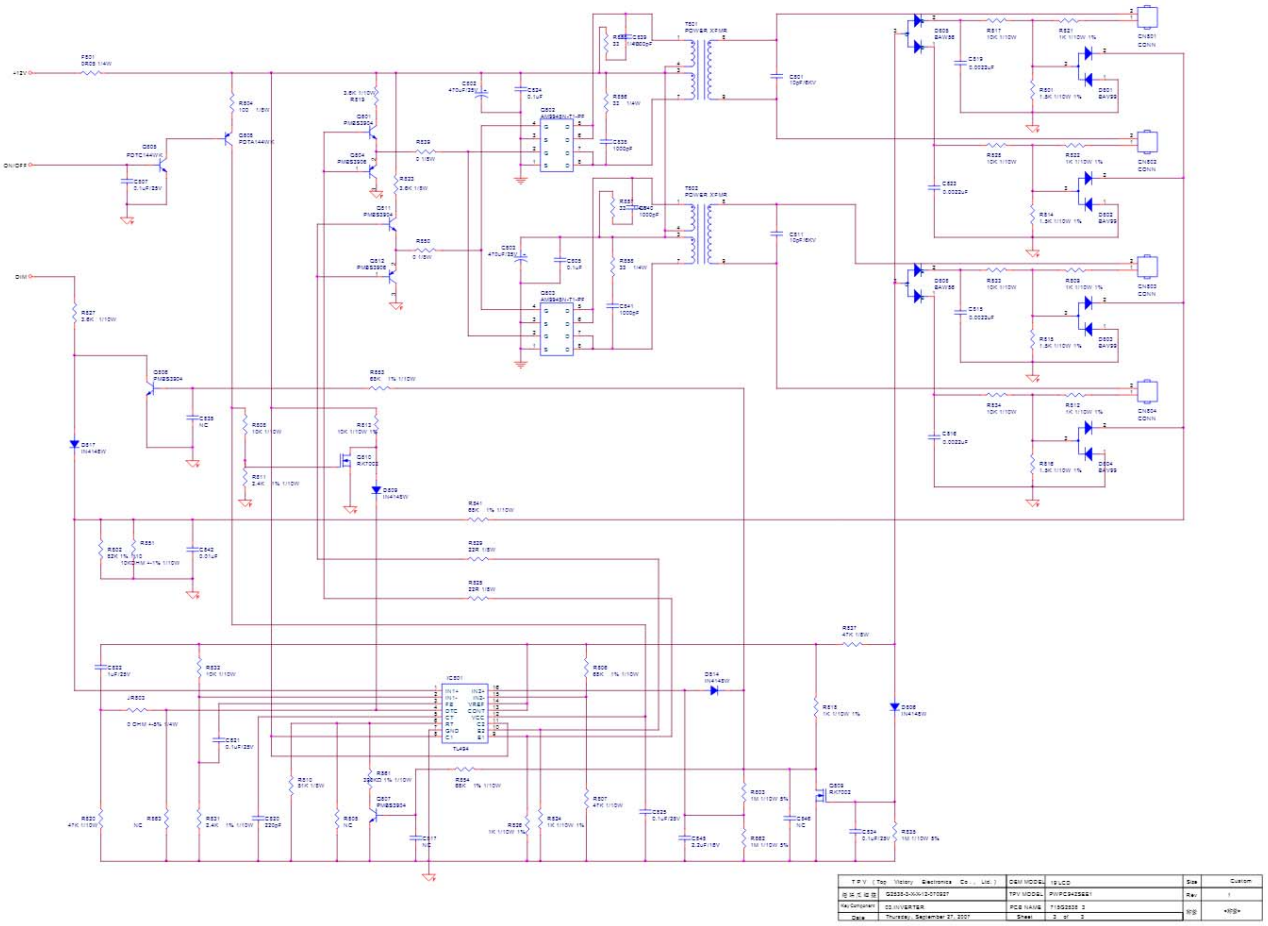
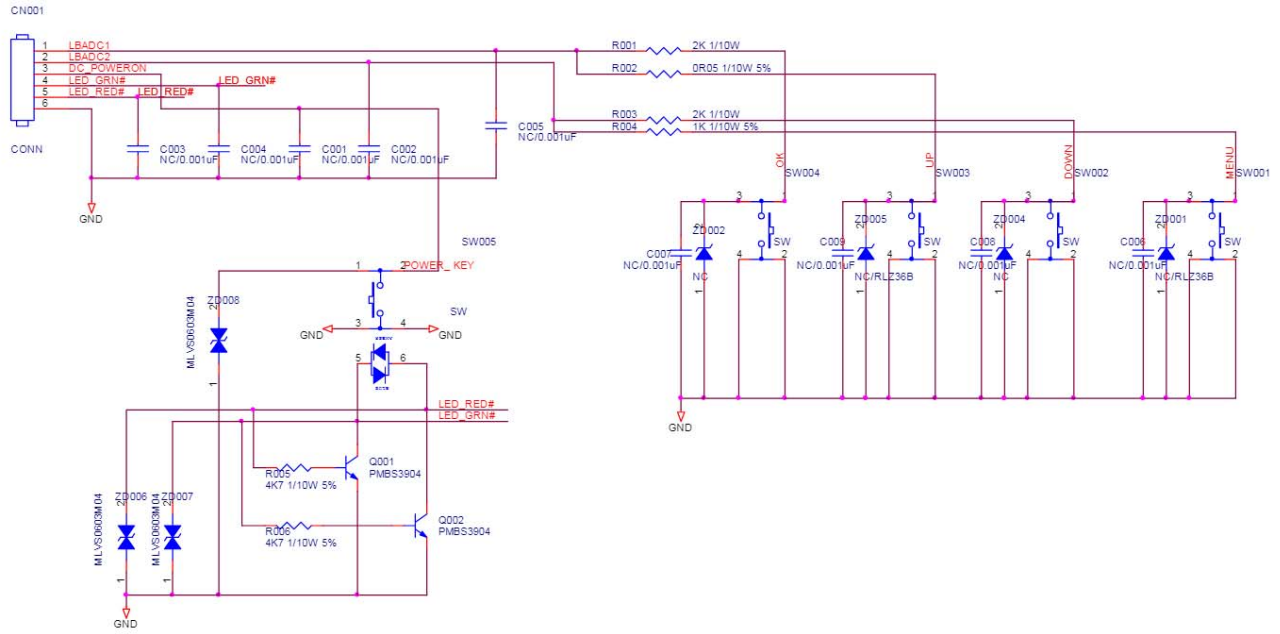
Key Component	02.POWER	PCB NAME	715G2538-3	附件	<附件>
Date	Thursday, September 27, 2007	Sheet	2 of 3		



6.3 Key Board

715G2834-1

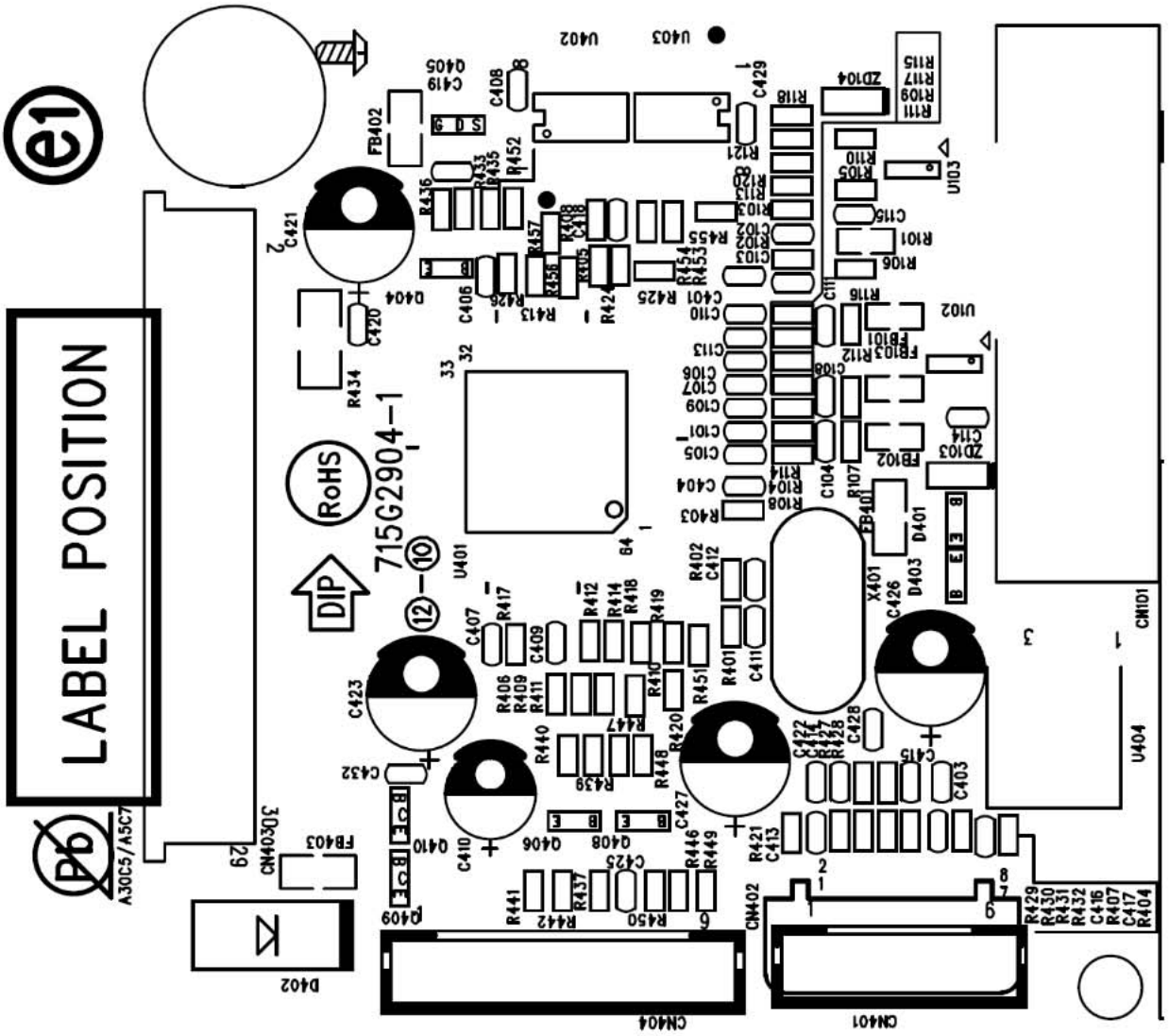


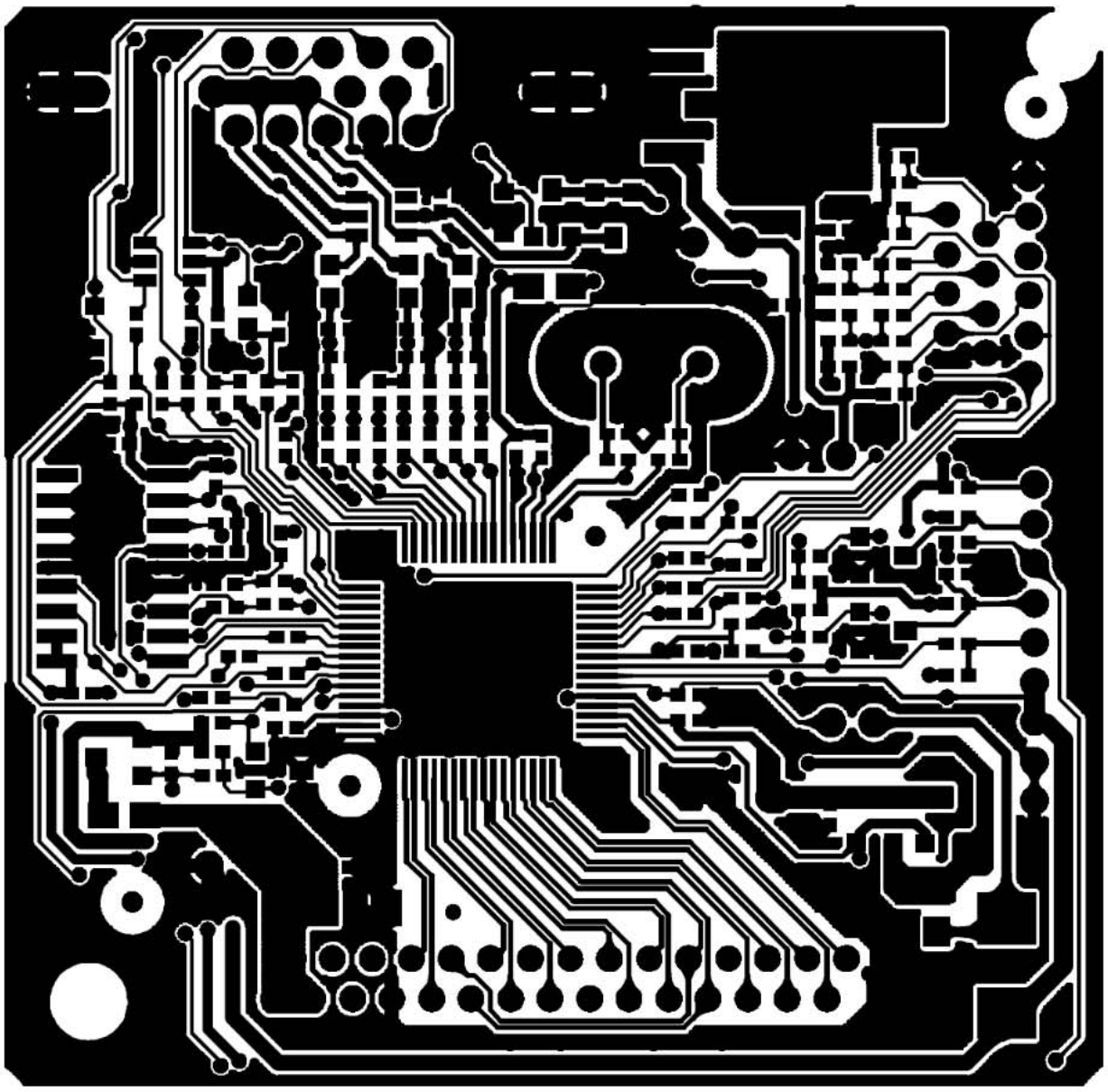
TPV (Top Victory Electronics Co., Ltd.)		OEM MODEL		Size	B
结构尺寸规格		TPV MODEL		Rev	B
Key Component	2.0.key pad	PCB NAME	715G2834-1	标签	
Date	Thursday, August 09, 2007	Sheet	2 of 2		

7. PCB Layout

7.1 Main Board

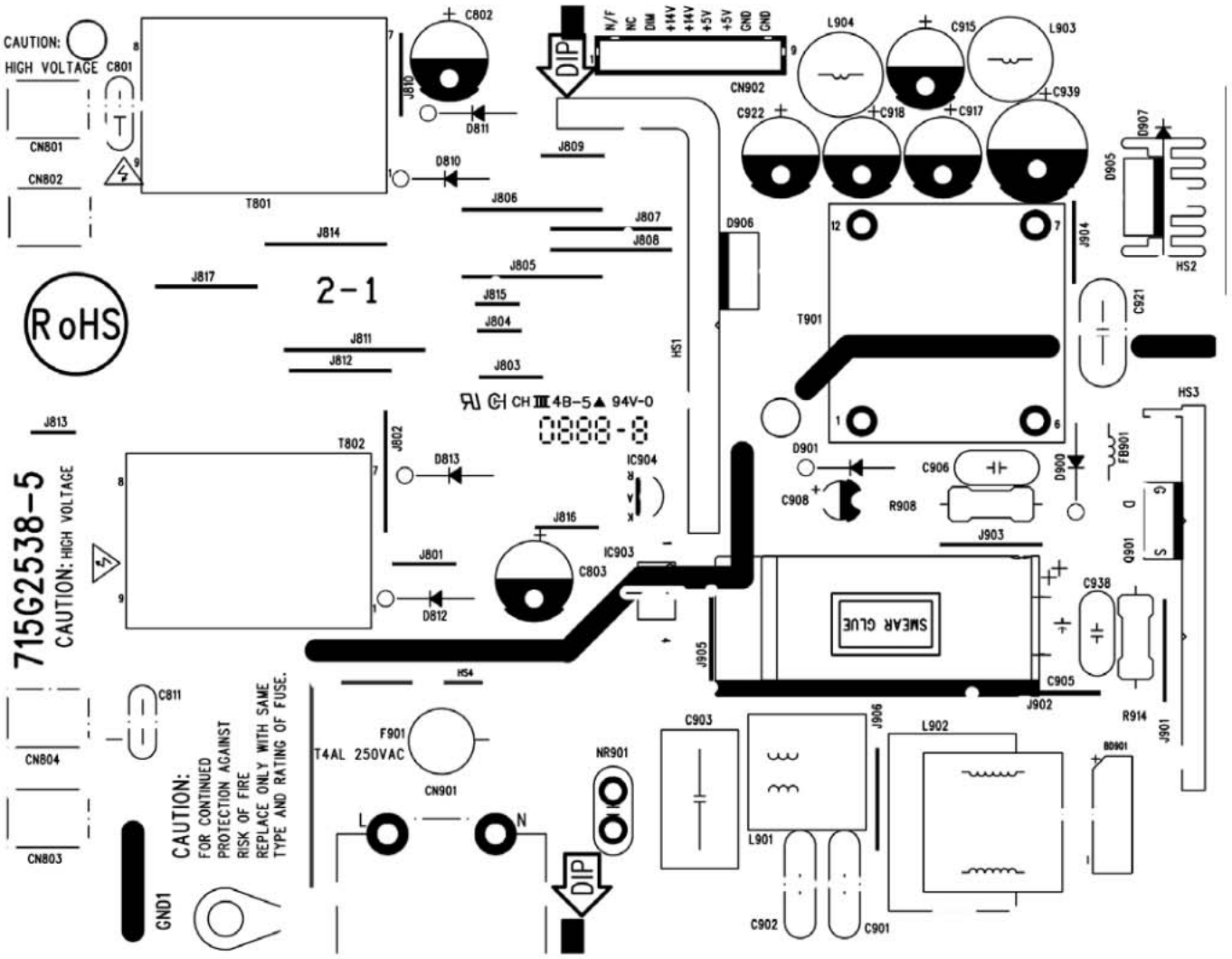
715G2904 1

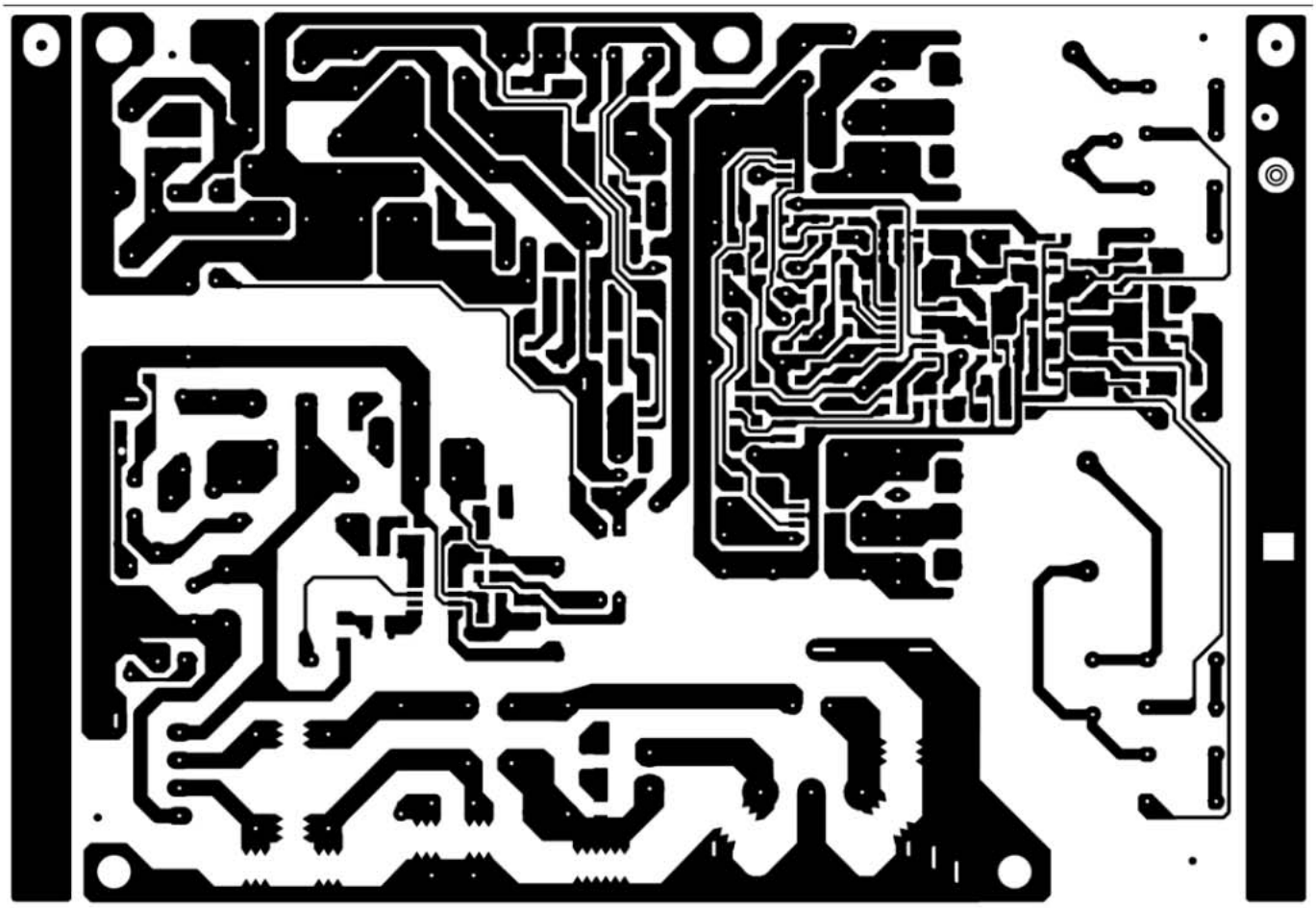


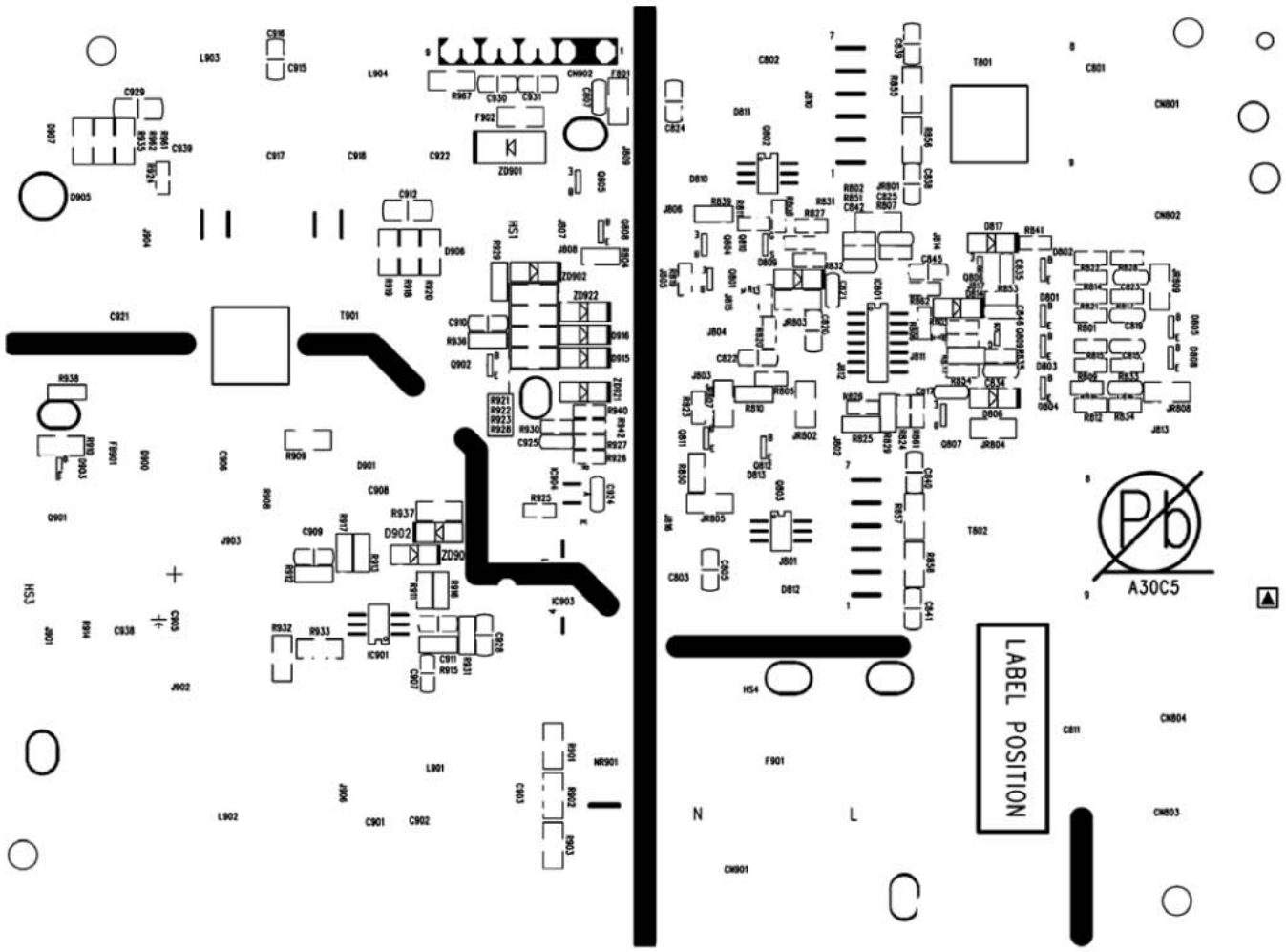


7.2 Power Board

715G2538-5

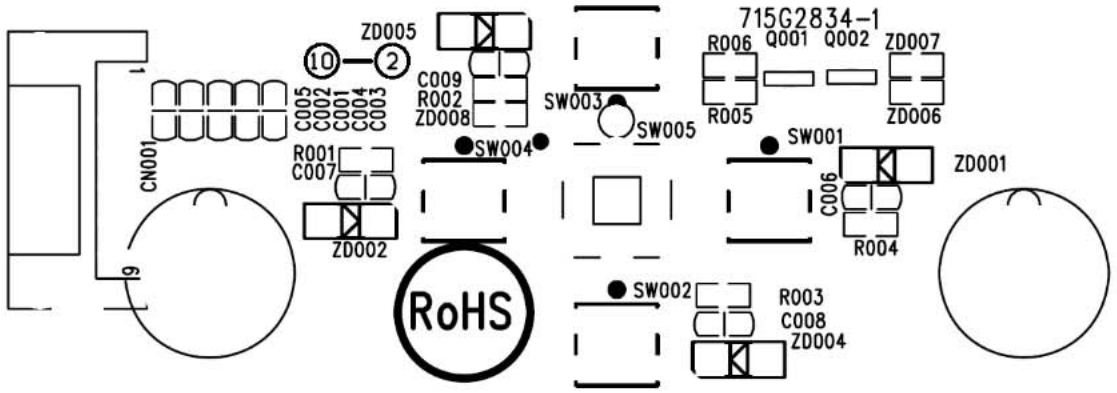


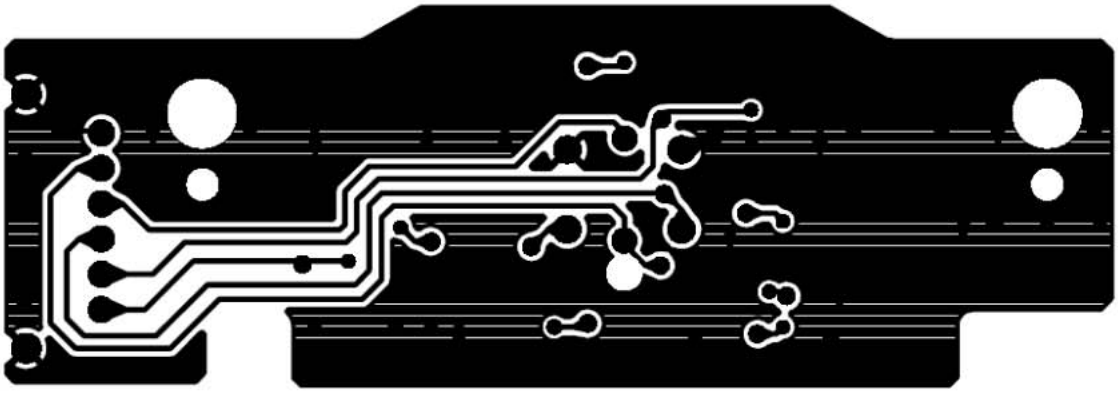


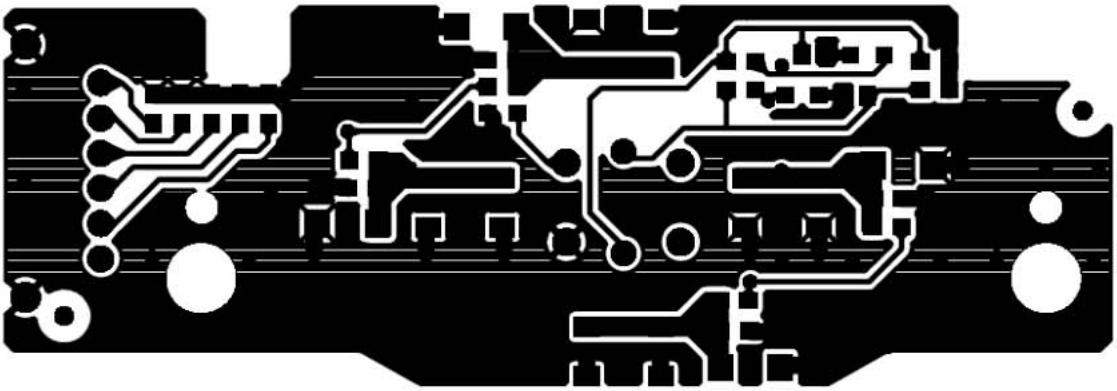

A30C5
LABEL POSITION

7.3 Key Board

715G2834-1







8. Maintainability

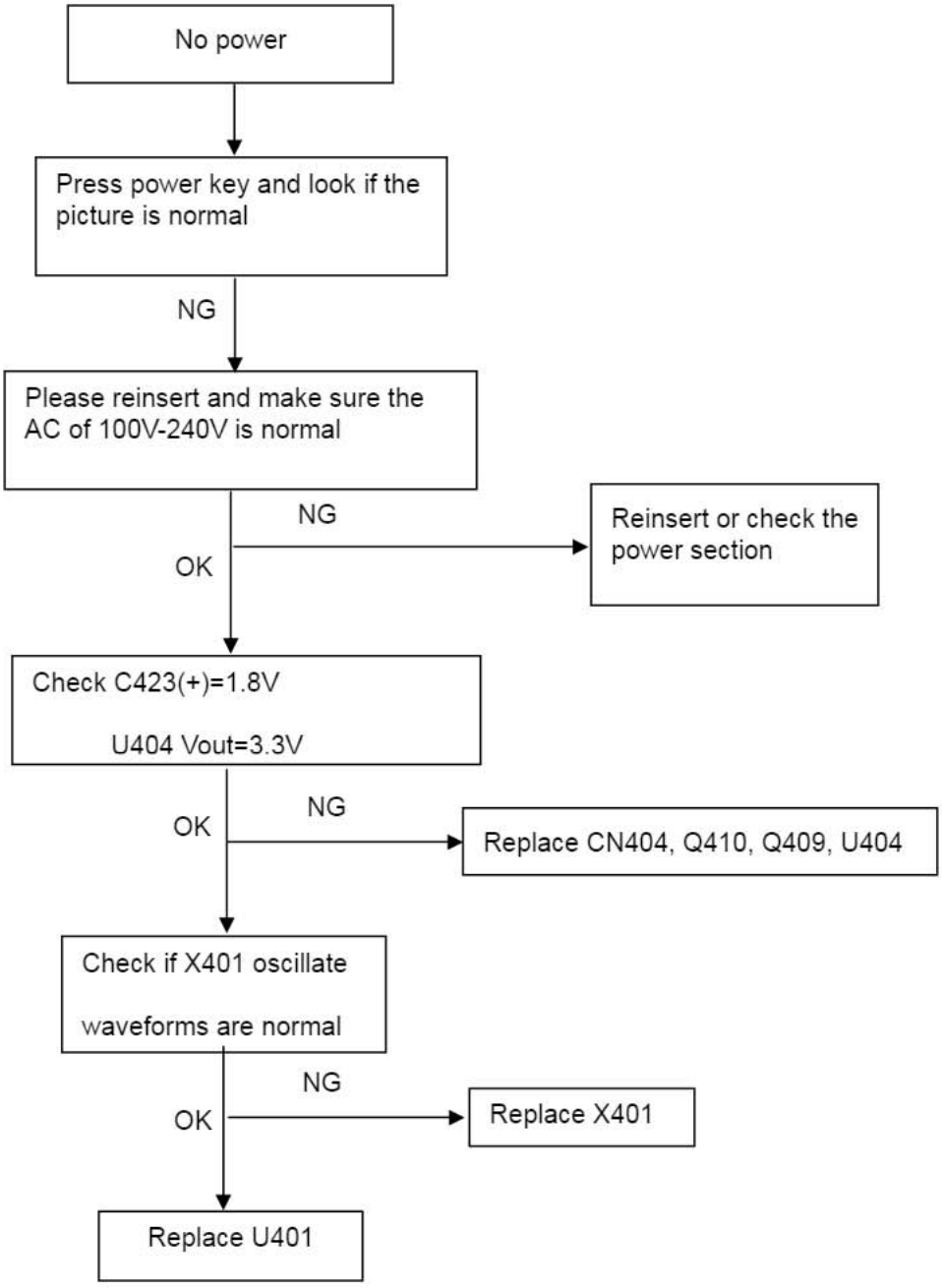
8.1 Equipments and Tools Requirement

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.

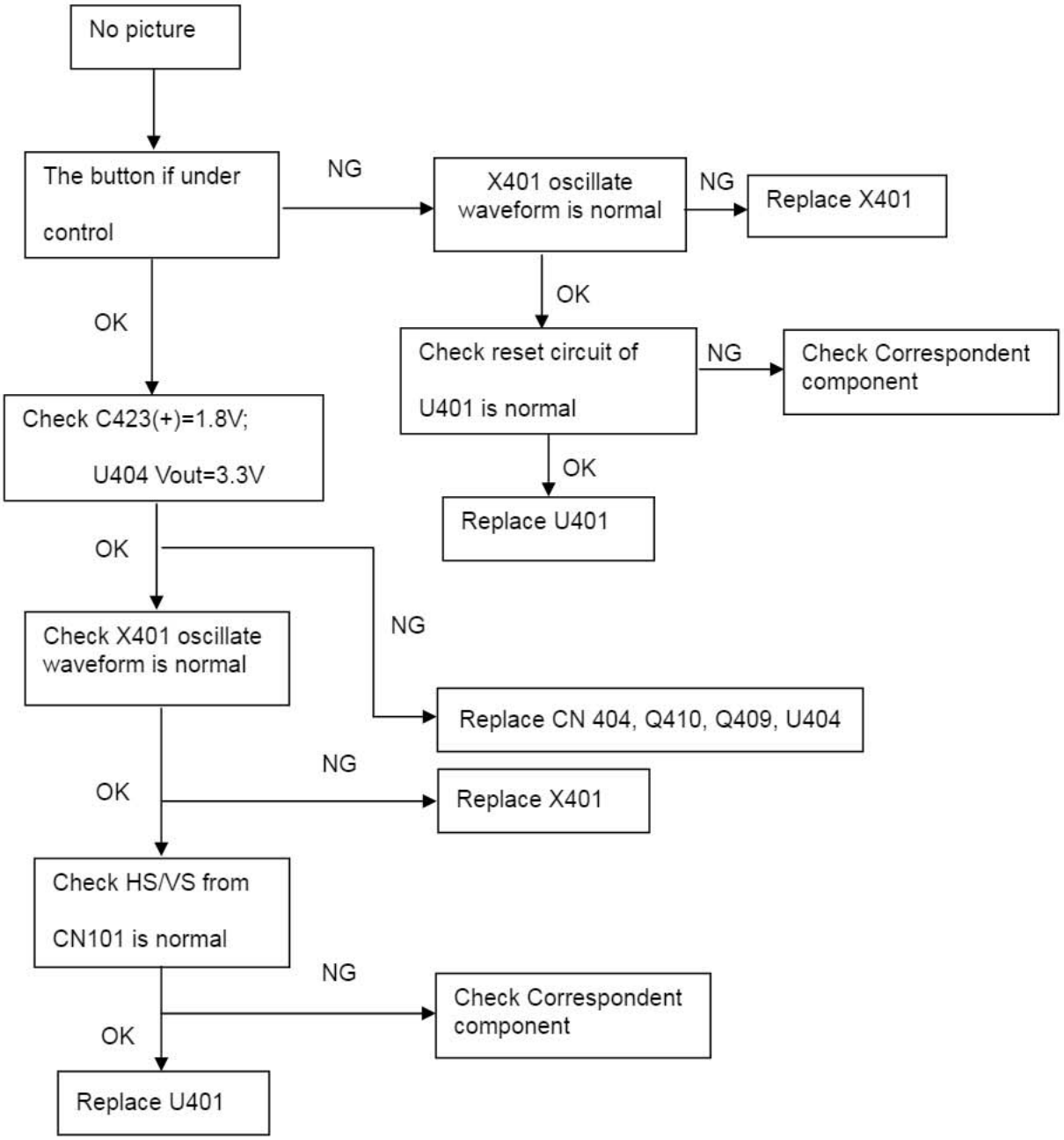
8.2 Trouble Shooting

8.2.1 Main Board

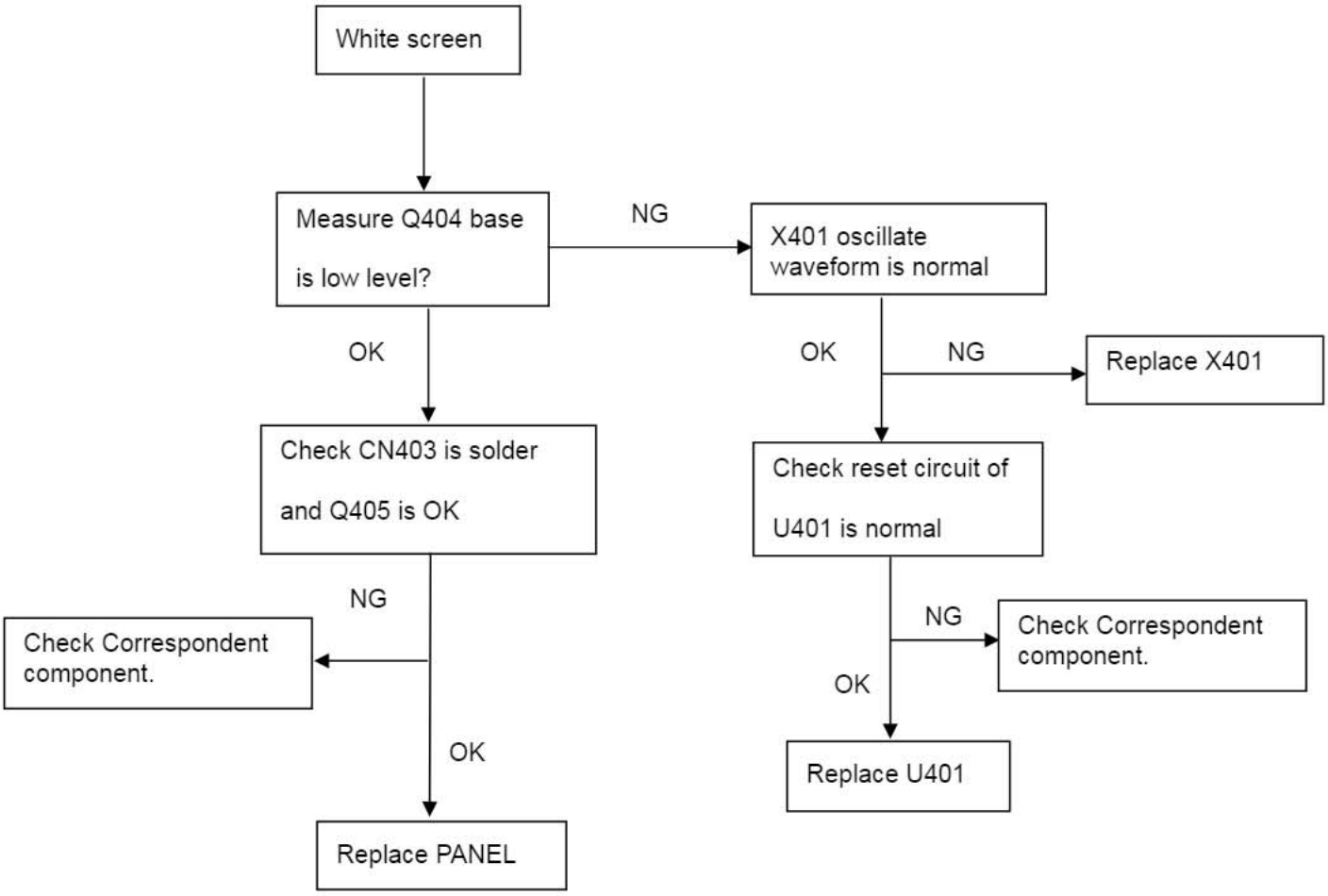
No power



No picture (LED orange)

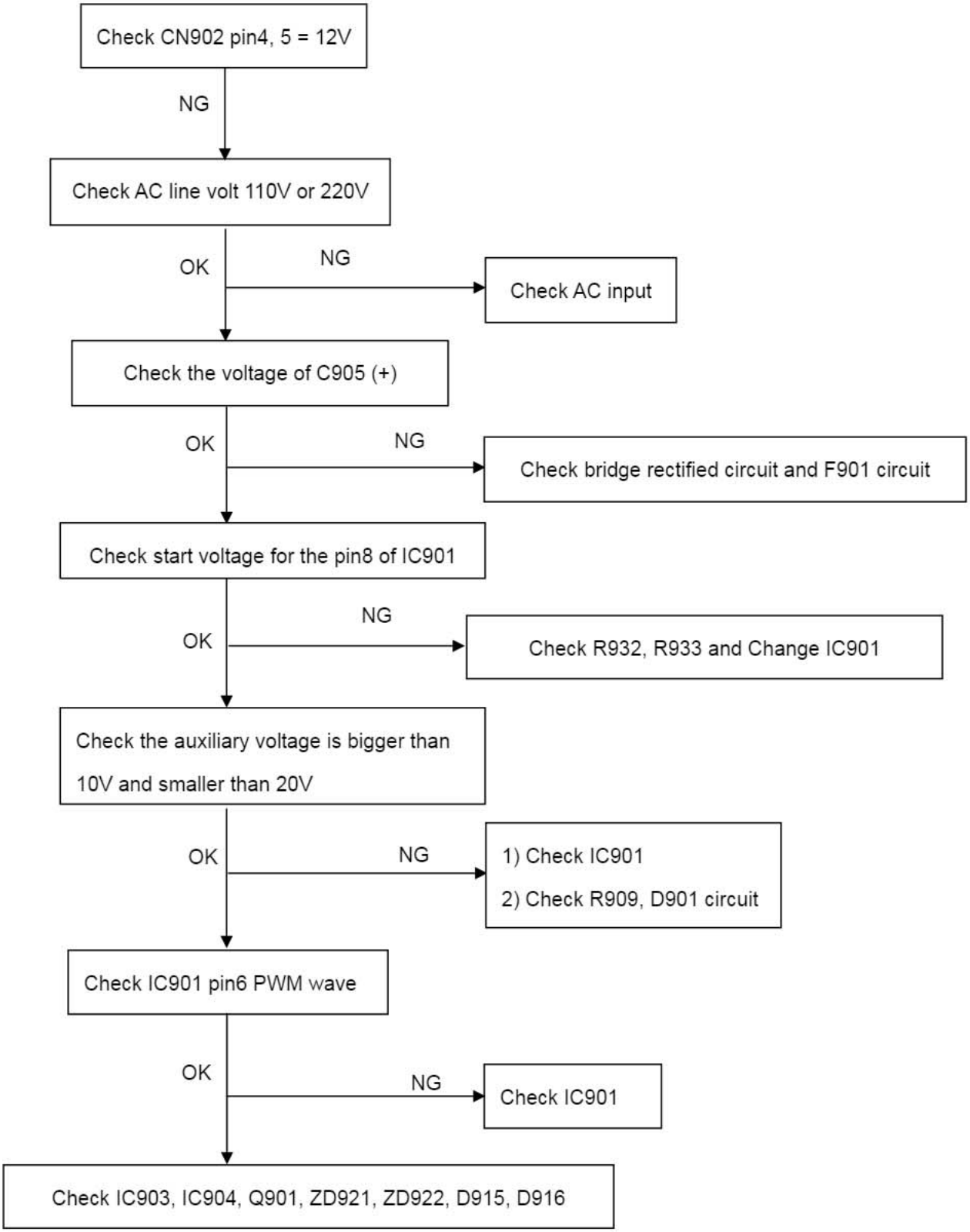


White screen

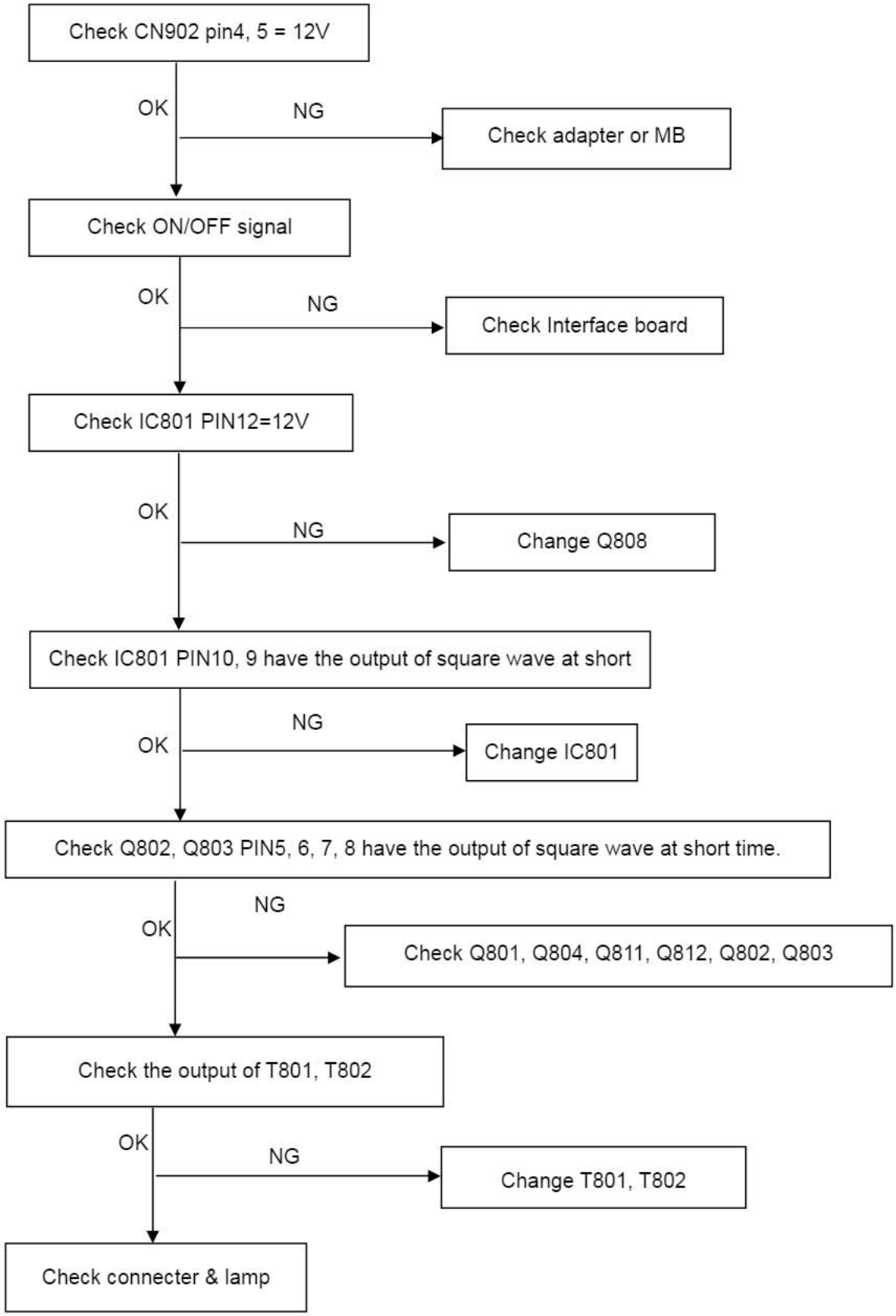


8.2.2 Power/Inverter Board

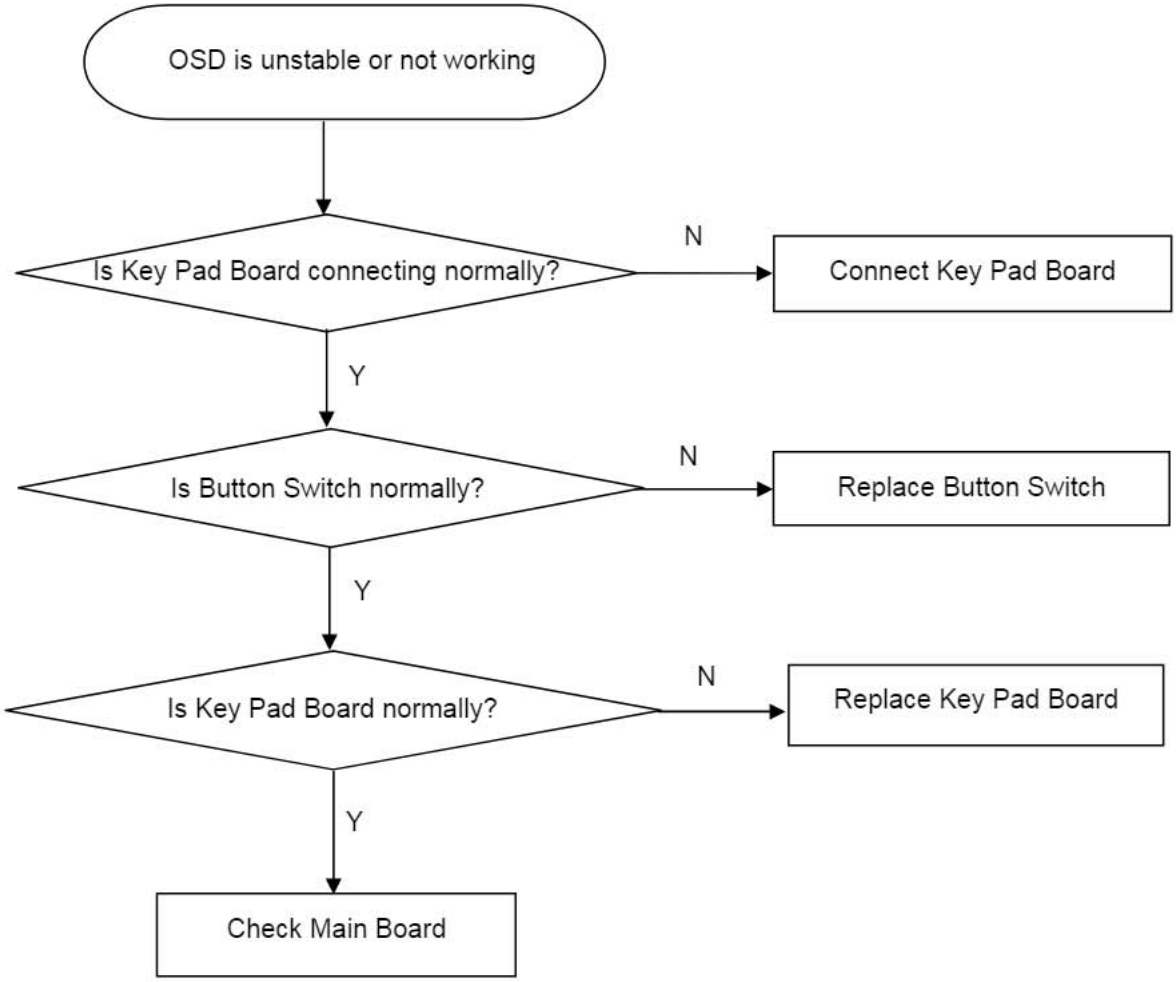
1.) No power



2.) W / LED, 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 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 ±30, y = 329 ±30, Y=230cd/m^2(typ); Normal color parameter is x = 301 ±30, y = 317 ±30, Y=200cd/m^2 (typ); Cool color parameter is x = 283 ±30, y = 297 ±30, Y=180cd/m^2 (typ); sRGB color parameter is x = 313 ±20, y = 329 ±20, Y= 230cd/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 ±30, y = 329 ±30, Y=230cd/ m^2(typ)

B. MEM.CHANNEL 4 (Normal color):

Normal color temp. parameter is x = 301 ±30, y = 317 ±30, Y=200cd/ m^2(typ)

C. MEM.CHANNEL 9(Cool color):

Cool color temp. parameter is x = 283 ±30, y = 297 ±30, Y=180cd/m^2 (typ)

D. MEM.CHANNEL 10 (sRGB color):

sRGB color temp. parameter is x = 313 ±30, y = 329 ±30, Y= 230cd/m^2

3. Into Factory mode of AOC 917Sw:

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 90.

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 ±30, y = 329 ±30, Y=230cd/m^2 (typ)
4. Adjust the RED on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN on factory window until chroma 7120 indicator reachedthe value G=100
6. Adjust the BLUE on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance =100±2

B. Adjust Normal (7300K) color-temperature

1. Switch the chroma-7120 to **RGB-Mode** (with press "MODE" button)
2. Switch the MEM.channel to Channel 4(with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show x = 301 ± 30, y = 317 ± 30, Y=200cd/m^2 (typ)

4. Adjust the RED on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN on factory window until chroma 7120 indicator reachedthe value G=100
6. Adjust the BLUE on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance =100±2

C. Adjust Cool (9300K) color-temperature

1. Switch the Chroma-7120 to **RGB-Mode** (with press "MODE" button)
2. Switch the MEM. Channel to Channel 9 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show x = 283 ±30, y = 297 ±30, Y=180cd/m^2 (typ)
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

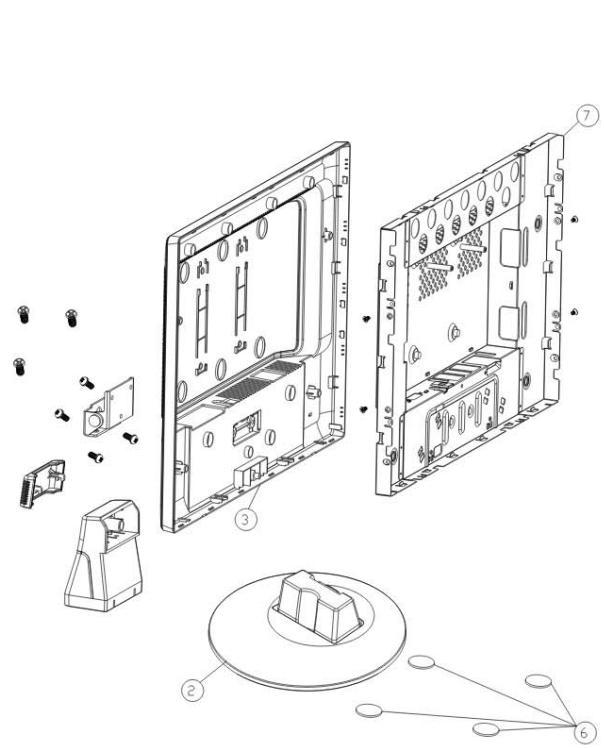
D. Adjust sRGB color-temperature

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= 230cd/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

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

10. Monitor Exploded View

AOC_917Sw Explosion Flowchart



序号	料 号	品 名	用量
PLASTIS			
①	Q34G0242AEDB1B	BEZEL	1
②	Q34G0243AED 1B 33	BASE	1
③	A34G0288ABJA4B	REAR COVER(19")	1
④	750GLV90W1013N	PANEL	1
⑤	Q33G0164 A1C1C	POWER-KEY	1
PORON			
⑥	Q12G66O0 8	FOOT	4
METALS			
⑦	A15G0205 A1 5	MAIN FRAME	1
⑧	Q20G6036 1 30	FUNCTION-KEY-COAT	1
SCREW			
⑨	Q1G330-8-120 key_pcb/bezel	SCREW	2

11. BOM List

T98SM5NBUWA1NN

Location	Part No.	Description	Remark
	040G 58162461A	EPA LABEL	
	044GH600 1	HANDLE 2	
	050G 600 4	HANDLE 1	
	052G 1150 C	INSULATING TAPE	
	052G 1186	SMALL TAPE	
	052G 1211 A	Conductive Tape 55mm *45mm *0.08mm	
	052G 1211 B	Conductive Tape 85mm *40mm *0.09mm	
	052G 2191 A	PAPER TAPE	
	052G6019 1	INSULATING TAPE	
	052G6019 1	INSULATING TAPE	
E08902	089G 725CAA DB	D-SUB CABLE	2nd source
E08902	089G 725HAA DB	D-SUB CABLE	2nd source
E08902	089G 725LAA DB	D-SUB CABLE	
	089G179J30N517	FFC CABLE	
E08901	089G404A15N CX	POWER CORD	
E08901	089G404A15N IS	POWER CORD	2nd source
E08901	089G404A15N YH	POWER CORD	2nd source
	095G8014 6D 39	HARNESS 6P-6P 150MM	
	0M1G 130 5120	SCREW	
	0M1G1730 6120	SCREW,42-D020523	
	0Q1G 330 8120	SCREW 3X8MM 42A9930017/ 42-D002093	
	705GQ834021	19" LCD STAND BASE ASS'Y	
	A34G0289ABJ 1B	STAND	
	A37G0031 1	HINGE	
	AM1G1740 12 47 CR3	SCREW	
	Q12G6600 8	PORON FOOT	
	Q34G0243AED 1B 30	BASE	
E750	750GLS90M31ACN	PANEL LTM190M2-L31 8UN(4UZ) FQ SEC	
E750	750GLS90M31DCN	PANEL LTM190M2-L31 8UP FQ SEC	2nd source
E750	750GLS90M31PCN	PANEL LTM190M2-L31 8CP FQ SEC	2nd source
	A15G0205 S2 5	MAIN FRAME	
	A33G0173ABJ 1L 32	CABLE CLAMP	
	A34G0288ABJA4B	REAR COVER(19")	
	AM1G1740 12 47 CR3	SCREW	
	CBPC8SM5A2Q2	MAIN BOARD G2904-1-X-X-12-080229	
	040G 45762412B	CBPC LABEL	
CN401	033G3802 6	WAFER	

CN404	033G3802 9	WAFER 9P RIGHT ANELE PITCH	
CN403	033G801930F CH JS	CONNECTOR	
C427	067G 3151014KV	EC 105℃ CAP 100UF M 25V	
C426	067G 3151014KV	EC 105℃ CAP 100UF M 25V	
C423	067G 3151014KV	EC 105℃ CAP 100UF M 25V	
C421	067G 3151014KV	EC 105℃ CAP 100UF M 25V	
C410	067G215V100 7R	LOW E.S.R 10UF M 50V	
CN101	088G 35315F HD	D-SUB CONN F ATTACHED SCREW	2nd source
CN101	088G 35315F XH	D-SUB 15PIN VERTICAL CONN WITH SCREW	
CN101	088G 35315F XH	D-SUB 15PIN VERTICAL CONN WITH SCREW	2nd source
X401	093G 22 53 J	14.31818MHZ/32PF/49US	
	709G2904 QM001	CONSUMPTIVE ASS'Y	
	055G 2	ALCOHOL	
	055G 23524	WELDING FLUX WITHOUT PB	
	Q55G 100625	TIN STICK_LOW ARGENTUM	
U401	056G 562557	IC TSUM1PFR-LF	
U404	056G 563 52	IC AP1117D33L-13 TO252-3L DIODES	
U102	056G 662 13	IC AZC099-04S SOT23-6L	
U103	056G 662 13	IC AZC099-04S SOT23-6L	
U402	056G1133 81(WA8MRT9SKQ1)	SST25LF020A-33-4C-SAE	
Q404	057G 417 6	PMBS3906/PHILIPS-SMT(06)	2nd source
Q406	057G 417 12 T	KEC 2N3904S-RTK/PS	
Q410	057G 417 22 T	TRA KN2907AS -60V/-0.6A SOT-23	
Q409	057G 417 22 T	TRA KN2907AS -60V/-0.6A SOT-23	
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	
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	
R117	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R457	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R456	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	
R118	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W	
R441	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W	
R439	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R437	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R433	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R421	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R417	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R408	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R407	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R406	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R404	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R121	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R120	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R436	061G0402104	RST CHIPR 100 KOHM +-5% 1/16W	
R414	061G0402121	RST CHIP 120R 1/16W 5%	
R410	061G0402121	RST CHIP 120R 1/16W 5%	
R409	061G0402203	RST CHIP 20K 1/16W 5%	
R105	061G0402222	RST CHIPR 2.2 KOHM +-5% 1/16W	
R106	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%	
R427	061G0402392	RST CHIP 3.9K 1/16W 5%	
R428	061G0402392	RST CHIP 3.9K 1/16W 5%	
R435	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W	
R440	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W	
R107	061G0402750	RST CHIPR 75 OHM +-5% 1/16W	
R112	061G0402750	RST CHIPR 75 OHM +-5% 1/16W	
R116	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	
C420	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C419	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	

C417	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C416	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C415	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C414	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C413	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C409	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C407	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C406	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C404	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C403	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C401	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%	
C113	065G0402473 12	CHIP 0.047UF 16V X7R	
C110	065G0402473 12	CHIP 0.047UF 16V X7R	
C109	065G0402473 12	CHIP 0.047UF 16V X7R	
C107	065G0402473 12	CHIP 0.047UF 16V X7R	
C106	065G0402473 12	CHIP 0.047UF 16V X7R	
C105	065G0402473 12	CHIP 0.047UF 16V X7R	
C101	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	
FB101	071G 59K190 B	19 OHM BEAD	
FB102	071G 59K190 B	19 OHM BEAD	
FB103	071G 59K190 B	19 OHM BEAD	
D401	093G 64 33	DIO SIG SM BAV99 (PHSE)R	
ZD103	093G 39S 34 T	UDZSNP5.6B ROHM	
ZD104	093G 39S 34 T	UDZSNP5.6B ROHM	
D402	093G3004 3	SM340A	
	715G2904 1	MAIN PCB 57X64X1.6MM DS	
Q404	057G 417517	TRA LMBT3906LT1G -200MA/-40V SOT-23 LRC	
U404	056G 563916	IC LD1117DT33TR DPAK	
	709G2904 QS001	CONSUMPTIVE ASS'Y	
	052G 2191 A	PAPER TAPE	

	052G6026 3	MESH PRINTTING PAPER	
Q406	057G 417518	TRA LMBT3904LT1G 200MA/40V SOT-23 LRC	
ZD103	093G 39S501 T	LUDZS5.6BT1G BY LRC	
ZD104	093G 39S501 T	LUDZS5.6BT1G BY LRC	
	KEPC7QK7	KEY BOARD G2834-A-X-X-1-070809	
CN001	033G3802 6H	WAFER 6P RIGHT ANGLE PITCH 2.0	
SW005	077G610D 1 NA	TACT SW+LED	
SW005	077G610D 1 WB	TACT SW+LED	
	709G2834 QM001	CONSUMPTIVE ASS'Y	
Q002	057G 417 4	PMBS3904/PHILIPS-SMT(04)	
Q001	057G 417 4	PMBS3904/PHILIPS-SMT(04)	
R002	061G0603000	RST CHIP MAX 0R05 1/10W	
R004	061G0603102	RST CHIPR 1K OHM +-5% 1/10W	
R003	061G0603202	RST CHIPR 2 KOHM +-5% 1/10W	
R001	061G0603202	RST CHIPR 2 KOHM +-5% 1/10W	
R006	061G0603472	RST CHIPR 4.7K OHM +-5% 1/10W	
R005	061G0603472	RST CHIPR 4.7K OHM +-5% 1/10W	
SW004	077G 605 1 AL GP	SMD SWITCH	
SW001	077G 605 1 AL GP	SMD SWITCH	
SW002	077G 605 1 AL GP	SMD SWITCH	
SW003	077G 605 1 AL GP	SMD SWITCH	
ZD006	093G 64 59 SU	ESD MLVS0603M04 0603	
ZD007	093G 64 59 SU	ESD MLVS0603M04 0603	
ZD008	093G 64 59 SU	ESD MLVS0603M04 0603	
	709G2834 QS001	CONSUMPTIVE ASS'Y	
	715G2834 1	KEY BOARD PCB	
	PWPC942SEE1	POWER BOARD G2538-3-LEG-X-1-070903	
	040G 45762412B	CBPC LABEL	
GND1	009G6005 1	GROUND TERMINAL	
CN801	033G8021 2E F	WAFER	
CN802	033G8021 2E F	WAFER	
CN803	033G8021 2E F	WAFER	
CN804	033G8021 2E F	WAFER	
CN801	033G8021 2E U	INVERT CONNECTOR	
CN802	033G8021 2E U	INVERT CONNECTOR	
CN803	033G8021 2E U	INVERT CONNECTOR	
CN804	033G8021 2E U	INVERT CONNECTOR	
IC903	056G 139 3A	IC PC123Y22FZ0F	
IC903	056G 139 5A	TCET1103G	
NR901	061G 58080 WT	8 OHM NCT	

R908	061G152M104 64	100KOHM 5% 2W	
R914	061G152M228 64	0.22 OHM 5% 2W	
C903	063G 10747410V	0.47UF 275VAC ARCO	
C903	063G107K474 6S	CAP X2 0.47UF K 275VAC	
C801	065G 6J1006ET	10PF 5% SL 6KV	
C811	065G 6J1006ET	10PF 5% SL 6KV	
C901	065G305M1022BP	Y2 1000PF M 250VAC Y5P	
C902	065G305M1022BP	Y2 1000PF M 250VAC Y5P	
C921	065G306M4722BP	4700PF +-20% 400VAC	
C905	067G 40Z10115K	CAP 105℃ 100UF M 450V	
C803	067G215D4714KV	E.C 105℃ CAP 470UF M 25V ED SERIES	
C802	067G215D4714KV	E.C 105℃ CAP 470UF M 25V ED SERIES	
C922	067G215D4714KV	E.C 105℃ CAP 470UF M 25V ED SERIES	
C918	067G215D6814KV	CAP 105℃ 680UF M 25V	
C917	067G215D6814KV	CAP 105℃ 680UF M 25V	
C918	067G215D6814KV	CAP 105℃ 680UF M 25V	
C917	067G215D6814KV	CAP 105℃ 680UF M 25V	
C939	067G215S1024KV	EC 105℃ CAP 1000UF M 25V	
C915	067G215S4713KV	EC 105℃ CAP 470UF M 16V	
C803	067G215Y4714HV	EC 105℃ CAP 470UF M 25V	
C802	067G215Y4714HV	EC 105℃ CAP 470UF M 25V	
L902	073G 174 65 H	LINE FILTER	
L902	073G 174 65 LS	LINE FILTER BY LISHIN	
L901	073G 174 76 H	FILTER	
L901	073G 174 76 V	LINE FILTER 4MH MIN	
L901	073G 174 76 YS	CHOKE COIL	
L903	073G 253 91 V1	CHOKE COIL 1.1UH	
L904	073G 253 91 V1	CHOKE COIL 1.1UH	
L904	073G 253191 H	IND CHOKE 1.1UH DADON	
L903	073G 253191 H	IND CHOKE 1.1UH DADON	
L904	073G 253191 YS	CHOKE COIL 1.1UH YS04110055	
L903	073G 253191 YS	CHOKE COIL 1.1UH YS04110055	
T901	080GL19T 23 N	XFMR POWER 510UH YUVA	
T901	080GL19T 23 YS	X'FMR 510UH YS04160061	
T801	080GL19T 24 H	XFMR INVERTER 740MH DADON	
T802	080GL19T 24 H	XFMR INVERTER 740MH DADON	
T802	080GL19T 24 DN	XFMR INVERTER 740MH DARFON	
T801	080GL19T 24 DN	XFMR INVERTER 740MH DARFON	
T801	080GL19T 24 YS	X'FMR 740MH YS04170157	
T802	080GL19T 24 YS	X'FMR 740MH YS04170157	

CN901	087G 501 37 S	AC INLET ST-01DG-B2K-K	
BD901	093G 50460 28	BRIDGE DIODE KBP208G LITEON	
BD901	093G 50460510	2KBP08M 2A 800V	
D907	093G3006 1 1	31DQ06FC3 NIHON INTER	
CN902	095G8014 9D 57	HARNESS 9P-9P 210MM	
CN902	095G8014 9X 57	WIRE HARNESS 9P(SCN)-9P(PH) 210MM	
	705G 193 57 01	Q901 ASS'Y	
Q901	057G 667 21	STP10NK70ZFP	
Q901	057G 667 22	FQPF8N80C	
	090G6263 1	HEAT SINK	
	0M1G1730 8120	SCREW	
	705G 193 93 01	D906 ASS'Y	
D906	093G 60218	SB10100FCT	
D906	093G 60267	SP10100	
	0M1G1730 10120	SCREW 42A9930016	
	Q90G6274 2	HEAT SINK	
	705GQ851002	OIL FOR DISAPPEAR ASS'Y	
	709G2538 QM001	CONSUMPTIVE ASS'Y	
	055G 2	ALCOHOL	
	055G 23524	WELDING FLUX WITHOUT PB	
	Q55G 100625	TIN STICK_LOW ARGENTUM	
IC801	056G 379 22	IC TL494IDR SOIC-16	
IC901	056G 379 71	IC TEA1530AT/N2 SO-8 NXP	
Q902	057G 417 4	PMBS3904/PHILIPS-SMT(04)	
Q811	057G 417 4	PMBS3904/PHILIPS-SMT(04)	
Q807	057G 417 4	PMBS3904/PHILIPS-SMT(04)	
Q806	057G 417 4	PMBS3904/PHILIPS-SMT(04)	
Q801	057G 417 4	PMBS3904/PHILIPS-SMT(04)	
Q812	057G 417 6	PMBS3906/PHILIPS-SMT(06)	
Q804	057G 417 6	PMBS3906/PHILIPS-SMT(06)	
Q811	057G 417 12 T	KEC 2N3904S-RTK/PS	
Q807	057G 417 12 T	KEC 2N3904S-RTK/PS	
Q806	057G 417 12 T	KEC 2N3904S-RTK/PS	
Q801	057G 417 12 T	KEC 2N3904S-RTK/PS	
Q804	057G 417 16 T	MMBT2907	
Q812	057G 417 16 T	MMBT2907	
Q802	057G 600 55	P5506 HVG SO-8	
Q803	057G 600 55	P5506 HVG SO-8	
Q809	057G 758 1	2N7002ESOT23 SILICONIX	
Q809	057G 759 2	RK7002FD5T116 SOT-23 BY ROHM	

Q810	057G 759 2	RK7002FD5T116 SOT-23 BY ROHM	
Q808	057G 760 4A	DTA144WN3/S SOT-23	
Q808	057G 760 4B	PDTA144WK SOT346	
Q805	057G 760 5A	DTC 144WN3/S SOT-23	
Q805	057G 760 5B	PDTC144WK SOT346	
Q802	057G 763 14	AM9945N	
Q803	057G 763 14	AM9945N	
R942	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W	
R925	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W	
R826	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W	
R824	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W	
R822	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W	
R821	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W	
R818	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W	
R812	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W	
R809	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W	
R817	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W	
R828	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W	
R832	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W	
R833	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W	
R834	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W	
R808	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W	
R813	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W	
R926	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W	
R827	061G0603102	RST CHIPR 1K OHM +-5% 1/10W	
R862	061G0603105	RST CHIPR 1M OHM +-5% 1/10W	
R835	061G0603105	RST CHIPR 1M OHM +-5% 1/10W	
R803	061G0603105	RST CHIPR 1M OHM +-5% 1/10W	
R816	061G0603150 1F	RST CHIPR 1.5 KOHM +-1% 1/10W	
R815	061G0603150 1F	RST CHIPR 1.5 KOHM +-1% 1/10W	
R814	061G0603150 1F	RST CHIPR 1.5 KOHM +-1% 1/10W	
R801	061G0603150 1F	RST CHIPR 1.5 KOHM +-1% 1/10W	
R924	061G0603152	RST CHIPR 1.5 KOHM +-5% 1/10W	
R831	061G0603240 1F	RST CHIPR 2.4 KOHM +-1% 1/10W	
R930	061G0603240 1F	RST CHIPR 2.4 KOHM +-1% 1/10W	
R811	061G0603240 1F	RST CHIPR 2.4 KOHM +-1% 1/10W	
R940	061G0603330 2F	RST CHIPR 33K OHM +-1% 1/10W	
R927	061G0603360 1F	RST CHIPR 3.6K OHM +-1% 1/10W	
R819	061G0603362	RST CHIPR 3.6 KOHM +-5% 1/10W	
R823	061G0603362	RST CHIPR 3.6 KOHM +-5% 1/10W	

R861	061G0603390 3F	RST CHIPR 390 KOHM +-1% 1/10W	
R807	061G0603470 2F	RST CHIPR 47 KOHM +-1% 1/10W	
R820	061G0603470 2F	RST CHIPR 47 KOHM +-1% 1/10W	
R806	061G0603680 2F	RST CHIPR 68K OHM +-1% 1/10W	
R854	061G0603680 2F	RST CHIPR 68K OHM +-1% 1/10W	
R853	061G0603680 2F	RST CHIPR 68K OHM +-1% 1/10W	
R841	061G0603680 2F	RST CHIPR 68K OHM +-1% 1/10W	
R851	061G0603910 1F	RST CHIPR 9.1 KOHM +-1% 1/10W	
R851	061G0603912	RST CHIPR 9.1 KOHM +-5% 1/10W	
R850	061G0805000	RST CHIP MAX 0R05 1/8W	
R839	061G0805000	RST CHIP MAX 0R05 1/8W	
R804	061G0805101	1ST CHIPR 100 OHM +-5% 1/8W	
R929	061G0805102	RST CHIPR 1K OHM +-5% 1/8W	
R917	061G0805102	RST CHIPR 1K OHM +-5% 1/8W	
R911	061G0805102	RST CHIPR 1K OHM +-5% 1/8W	
R938	061G0805103	RST CHIPR 10K OHM +-5% 1/8W	
R916	061G0805152	RST CHIPR 1.5 KOHM +-5% 1/8W	
R825	061G0805220	RST CHIPR 22 OHM +-5% 1/8W	
R829	061G0805220	RST CHIPR 22 OHM +-5% 1/8W	
R912	061G0805220 2F	RST CHIPR 22 KOHM +-1% 1/8W	
R837	061G0805473	RST CHIPR 47K OHM +-5% 1/8W	
R810	061G0805510 2F	RST CHIPR 51K OHM +-1% 1/8W	
R915	061G0805753	CHIP 75KOHM 1/10W	
R931	061G0805822	RST CHIPR 8.2 KOHM +-5% 1/8W	
JR802	061G1206000	RST CHIP MAX 0R05 1/4W	
JR804	061G1206000	RST CHIP MAX 0R05 1/4W	
JR805	061G1206000	RST CHIP MAX 0R05 1/4W	
JR807	061G1206000	RST CHIP MAX 0R05 1/4W	
JR808	061G1206000	RST CHIP MAX 0R05 1/4W	
JR809	061G1206000	RST CHIP MAX 0R05 1/4W	
JR801	061G1206000	RST CHIP MAX 0R05 1/4W	
JR803	061G1206000	RST CHIP MAX 0R05 1/4W	
F801	061G1206000 4	RST CHIP MAX 0R05 1/4W	
F902	061G1206000 4	RST CHIP MAX 0R05 1/4W	
R967	061G1206000 4	RST CHIP MAX 0R05 1/4W	
R909	061G1206100	RST CHIPR 10 OHM +-5% 1/4W	
R910	061G1206100	RST CHIPR 10 OHM +-5% 1/4W	
R962	061G1206101	RST CHIPR 100 OHM +-5% 1/4W	
R961	061G1206101	RST CHIPR 100 OHM +-5% 1/4W	
R935	061G1206101	RST CHIPR 100 OHM +-5% 1/4W	

R920	061G1206101	RST CHIPR 100 OHM +-5% 1/4W	
R919	061G1206101	RST CHIPR 100 OHM +-5% 1/4W	
R918	061G1206101	RST CHIPR 100 OHM +-5% 1/4W	
R921	061G1206102	RST CHIPR 1K OHM +-5% 1/4W	
R922	061G1206102	RST CHIPR 1K OHM +-5% 1/4W	
R923	061G1206102	RST CHIPR 1K OHM +-5% 1/4W	
R928	061G1206102	RST CHIPR 1K OHM +-5% 1/4W	
R855	061G1206150	RST CHIPR 15 OHM +-5% 1/4W	
R857	061G1206150	RST CHIPR 15 OHM +-5% 1/4W	
R856	061G1206150	RST CHIPR 15 OHM +-5% 1/4W	
R858	061G1206150	RST CHIPR 15 OHM +-5% 1/4W	
R901	061G1206684	RST CHIPR 680K OHM +-5% 1/4W	
R902	061G1206684	RST CHIPR 680K OHM +-5% 1/4W	
R903	061G1206684	RST CHIPR 680K OHM +-5% 1/4W	
C842	065G0603103 12	CHIP 0.01UF 16V X7R	
C924	065G0603103 12	CHIP 0.01UF 16V X7R	
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	
C834	065G0603104 22	CAP CHIP 0603 0.1UF K 25V X7R	
C815	065G0603222 22	CHIP 2200PF 25V X7R	
C816	065G0603222 22	CHIP 2200PF 25V X7R	
C819	065G0603222 22	CHIP 2200PF 25V X7R	
C823	065G0603222 22	CHIP 2200PF 25V X7R	
C910	065G0805102 32	CHIP 1000P 50VX7R 0805	
C931	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R	
C930	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R	
C916	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R	
C907	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R	
C824	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R	
C805	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R	
C911	065G080510522K T	CAP CHIP 0805 1UF K 25V X7R	
C822	065G080510522K T	CAP CHIP 0805 1UF K 25V X7R	
C928	065G0805122 31	CHIP CAP 0805 1200PF J 50V NPO	
C841	065G0805152 31	1.5NF/50V	
C838	065G0805152 31	1.5NF/50V	
C840	065G0805152 31	1.5NF/50V	
C839	065G0805152 31	1.5NF/50V	
C820	065G080522131G	CAP CHIP 0805 220PF G 50V NPO	
C909	065G0805224 32	0.22UF,K,50V,X7R	

C845	065G0805225 12	CAP CHIP 0805 2.2UF K 16V X7R	
C912	065G1206102 72	CAP CHIP 1206 1000PF K 500V X7R	
C929	065G1206102 72	CAP CHIP 1206 1000PF K 500V X7R	
D801	093G 64 33	DIO SIG SM BAV99 (PHSE)R	
D802	093G 64 33	DIO SIG SM BAV99 (PHSE)R	
D803	093G 64 33	DIO SIG SM BAV99 (PHSE)R	
D804	093G 64 33	DIO SIG SM BAV99 (PHSE)R	
D805	093G 64 38 D	DIODE BAW56 DIODES	
D808	093G 64 38 D	DIODE BAW56 DIODES	
D903	093G 64 38 P	BAW56	
D809	093G 6432S	1N4148W	
D916	093G 6432S	1N4148W	
D915	093G 6432S	1N4148W	
D817	093G 6432S	1N4148W	
D814	093G 6432S	1N4148W	
D806	093G 6432S	1N4148W	
D801	093G 6433P	BAV99	
D802	093G 6433P	BAV99	
D803	093G 6433P	BAV99	
D804	093G 6433P	BAV99	
ZD922	093G 39S 25 T	RLZ5.1B LLDS	
ZD921	093G 39S 61 T	DIODE RLZ16B ROHM	
ZD902	093G 39S 61 T	DIODE RLZ16B ROHM	
CN901	006G 31500	EYELET	
NR901	006G 31502	1.5MM RIVET	
T901	006G 31502	1.5MM RIVET	
IC904	056G 158 4 T	H431BA	
IC904	056G 158 12	KIA431A-AT/P TO-92	
C906	065G 2K152 1T6921	1.5NF/2KV Y5P +-10%	
C938	065G 2K152 1T6921	1.5NF/2KV Y5P +-10%	
C908	067G215Y2207KT	CAP 105℃ 22UF M 50V KINGNICHI	
FB901	071G 55 29	FERRITE BEAD	
F901	084G 55 1W	FUSE 4A 250V WICKMANN	
D901	093G 6038P52T	PS102R	
D900	093G1100 1152T	DIODE PR1007R 1A/1000V DO-41	
J801	095G 90 23	JUMPER WIRE	
J802	095G 90 23	JUMPER WIRE	
J803	095G 90 23	JUMPER WIRE	
J804	095G 90 23	JUMPER WIRE	
J805	095G 90 23	JUMPER WIRE	

J806	095G 90 23	JUMPER WIRE	
J807	095G 90 23	JUMPER WIRE	
J817	095G 90 23	JUMPER WIRE	
J815	095G 90 23	JUMPER WIRE	
J906	095G 90 23	JUMPER WIRE	
J904	095G 90 23	JUMPER WIRE	
J903	095G 90 23	JUMPER WIRE	
J902	095G 90 23	JUMPER WIRE	
J901	095G 90 23	JUMPER WIRE	
J816	095G 90 23	JUMPER WIRE	
J814	095G 90 23	JUMPER WIRE	
J813	095G 90 23	JUMPER WIRE	
J812	095G 90 23	JUMPER WIRE	
J811	095G 90 23	JUMPER WIRE	
J810	095G 90 23	JUMPER WIRE	
J809	095G 90 23	JUMPER WIRE	
J808	095G 90 23	JUMPER WIRE	
	715G2538 5	POWER-PCB FR-1 160*124MM SS	
	709G2538 QA001	CONSUMPTIVE ASS'Y	
J905	095G 90 23	JUMPER WIRE	
	709G2538 QS001	CONSUMPTIVE ASS'Y	
	052G 2191 A	PAPER TAPE	
R932	061G1206682	RST CHIPR 6.8 KOHM +-5% 1/4W	
R933	061G1206682	RST CHIPR 6.8 KOHM +-5% 1/4W	
D902	093G 6432S	1N4148W	
ZD903	093G 39S 61 T	DIODE RLZ16B ROHM	
R937	061G1206221	RST CHIPR 220 OHM +-5% 1/4W	
L902	S73G17465VW	LINE FILTER ASS'Y	
T901	S80GL19T23V	TRANSFORMER ASS'Y	
T801	S80GL19T24V	TRANSFORMER ASS'Y	
	Q34FPE19P07	CASE EEL19	
	071FPE19301 03	FP2 EEL 19 19T24V	
T802	S80GL19T24V	TRANSFORMER ASS'Y	
	Q34FPE19P07	CASE EEL19	
	071FPE19301 03	FP2 EEL 19 19T24V	
	Q20G6036 1 30	FUNCTION-KEY-COAT	
	Q20G6046 1 30	POWER_KEY	
	Q33G0164 1 2C	POWER-KEY	
	Q34G0242AEDB1B	BEZEL (19")	
	Q40G000260811A	BASIC LABEL	

	Q40G000262427A	POP LABEL	
	Q41G780B61514A	917SW 08OSD QSG	
	Q44G9141101	EPS	
	Q44G9141201	EPS	
	Q44G9141615 7A	19 LCD AOC CARTON	
	Q45G 88606 16 R	PE BAG FOR CLAMP	
	Q45G 88607 72	PE BAG	
	Q50G 4 10	TIE	
	Q52G 1185 99	BIG CARTON TAPE FOR AOC	
	041G780061554A	SERVICE CENTER LIST	
	Q45G 76 28 RN R	PE BAG MANUAL	
	Q70G900261527A	CD MANUAL	
	040G 58162435A	P/N LABEL FOR MANUAL PE BAG	
	040G 581689 4A	BARCODE LABEL FOR 1	
	Q40G 19N61586A	RATING LABEL	

12. Different Parts List

Diversity of T9RSM5NLUWCKNZ Compared with T98SM5NBUWA1NN		
Location	**Part No.**	**Description**
	089G412A18NIS3	POWER CORD/32E1818058
	756GQ8CB AA012	MAIN BOARD-CBPCRM5A3Q2
U402	056G1133 81	SST25LF020A-33-4C-SAE
SMTCR-U402	100GAMS9000N11	MCU ASS'Y-056G1133 81
	Q26G 800504 2	BARCODE LABEL FOR 3
	Q40G 19N61576A	RATING LABEL
	Q40G0002634 1A	C-TICK LABEL
	Q44G9141615 4A	19LCD AOC CARTON
	Q36G 600517	DUSTER CLOTH
	Q41G780A61549C	WARRANTY CARD

Diversity of T9RSM5NPUWA5NN Compared with T98SM5NBUWA1NN			
Location	**Part No.**	**Description**	**Remark**
E08901	089G402A15N IS	POWER CORD	
E08901	089G402A15N YH	POWER CORD	2nd source
	756GQ8CB AA012	MAIN BOARD-CBPCRM5A3Q2	
U402	056G1133 81	SST25LF020A-33-4C-SAE	
SMTCR-U402	100GAMS9000N11	MCU ASS'Y-056G1133 81	
	Q26G 800504 2	BARCODE LABEL FOR 3	
	Q40G 19N61580A	RATING LABEL	
	Q44G9094101	EPS	
	Q44G9094201	EPS	
	Q44G9094615 3A	19W AOC CARTON	
	041G780061513B	INPUT NOT SUPPORT CARD	
	041G780061518B	EASE PROGRAM	
	Q41G7800615A69	MEXICO CENTER LIST	
	Q41G7800615B93	WARRANTY CARD FOR MEXICO	
	Q45G 76 28 C R	PE BAG FOR MANUAL	
	040G 459690 5A	CARTON LABEL	

Diversity of T9RSM5NPUWA5NG Compared with T98SM5NBUWA1NN			
Location	**Part No.**	**Description**	**Remark**
E08907	089G179J30N 9	FFC CABLE	
E08901	089G402A15N IS	POWER CORD	2nd source
E08901	089G402A15N YH	POWER CORD	
	750GLS90M31DCB	PANEL LTM190M2-L31 BUP SEC	
	756GQ8CB AA012	MAIN BOARD-CBPCRM5A3Q2	
U402	056G1133 81	SST25LF020A-33-4C-SAE	
SMTCR-U402	100GAMS9000N11	MCU ASS'Y -056G1133 81	
	Q26G 800504 2	BARCODE LABEL FOR 3	
	Q44G9094101	EPS	
	Q44G9094201	EPS	
	Q44G9094615 3A	19W AOC CARTON	
E08907	S89G179T30N9	FFC CABLE	
	033F303FH10BK3	F1010HA-30P-BK	
	041G780061513B	INPUT NOT SUPPORT CARD	
	041G780061518B	EASE PROGRAM	
	Q45G 76 28 C R	PE BAG FOR MANUAL	
	040G 459690 5A	CARTON LABEL	
	Q40G 19N61580A	RATING LABEL	

Diversity of T9RSM5NQUWA2NN Compared with T98SM5NBUWA1NN			
Location	**Part No.**	**Description**	**Remark**
E08901	089G402A15N IS	POWER CORD	
E08901	089G402A15N YH	POWER CORD	2nd source
	756GQ8CB AA012	MAIN BOARD-CBPCRM5A3Q2	
U402	056G1133 81	SST25LF020A-33-4C-SAE	
SMTCR-U402	100GAMS9000N11	MCU ASS'Y-056G1133 81	
	Q40G 19N61583A	RATING LABEL	
	Q44G9094101	EPS	
	Q44G9094201	EPS	
	Q44G9094615 2C	19 LCD AOC CTN	
	041G780061513B	INPUT NOT SUPPORT CARD	
	041G780061518B	EASE PROGRAM	
	041G780061545B	WARRANTY BOOKLET	
	Q41G780A61510A	WARRANTY CARD SA(SPANISH)	
	Q41G780A61511B	SA CENTER LIST	
	Q45G 76 28 C R	PE BAG FOR MANUAL	
	Q26G 800504 2	BARCODE LABEL FOR 3	

Diversity of T9RSM5NKUWA2NN Compared with T98SM5NBUWA1NN			
Location	**Part No.**	**Description**	**Remark**
E08901	089G402A15N IS	POWER CORD	
E08901	089G402A15N YH	POWER CORD	2nd source
	756GQ8CB AA012	MAIN BOARD-CBPCRM5A3Q2	
U402	056G1133 81	SST25LF020A-33-4C-SAE	
SMTCR-U402	100GAMS9000N11	MCU ASS'Y-056G1133 81	
	Q40G 19N61583A	RATING LABEL	
	Q44G9094101	EPS	
	Q44G9094201	EPS	
	Q44G909461510A	19 LCD AOC CARTON	
	041G780061513B	INPUT NOT SUPPORT CARD	
	Q41G780A61592A	NA WARRANTY CARD	
	Q41G780A61593A	EASE CARD	
	Q45G 76 28 C R	PE BAG FOR MANUAL	
	Q26G 800504 2	BARCODE LABEL FOR 3	

Diversity of T9RSM5NQUWA3NN Compared with T98SM5NBUWA1NN			
Location	**Part No.**	**Description**	**Remark**
	089G416A15N IS	POWER CORD I-SHENG	
	756GQ8CB AA012	MAIN BOARD-CBPCRM5A3Q2	
U402	056G1133 81	SST25LF020A-33-4C-SAE	
SMTCR-U402	100GAMS9000N11	MCU ASS'Y-056G1133 81	
	Q40G 19N61583A	RATING LABEL	
	Q44G9094101	EPS	
	Q44G9094201	EPS	
	Q44G9094615 2C	19 LCD AOC CTN	
	041G780061513B	INPUT NOT SUPPORT CARD	
	041G780061518B	EASE PROGRAM	
	041G780061545B	WARRANTY BOOKLET	
	Q41G780A61510A	WARRANTY CARD SA(SPANISH)	
	Q41G780A61511B	SA CENTER LIST	
	Q45G 76 28 C R	PE BAG FOR MANUAL	
	Q26G 800504 2	BARCODE LABEL FOR 3	

Diversity of T9RSM5NQUWA4NN Compared with T98SM5NBUWA1NN		
Location	**Part No.**	**Description**
	089G408A15N IS	POWER CORD(WALL-OUT FOR ITALY)
	756GQ8CB AA012	MAIN BOARD-CBPCRM5A3Q2
U402	056G1133 81	SST25LF020A-33-4C-SAE
SMTCR-U402	100GAMS9000N11	MCU ASS'Y-056G1133 81
	Q40G 19N61583A	RATING LABEL
	Q44G9094101	EPS
	Q44G9094201	EPS
	Q44G9094615 2C	19 LCD AOC CTN
	041G780061513B	INPUT NOT SUPPORT CARD
	041G780061518B	EASE PROGRAM
	041G780061545B	WARRANTY BOOKLET
	Q41G780A61510A	WARRANTY CARD SA(SPANISH)
	Q41G780A61511B	SA CENTER LIST
	Q45G 76 28 C R	PE BAG FOR MANUAL
	Q26G 800504 2	BARCODE LABEL FOR 3