

Service
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Service Manual

Horizontal Frequency
30-80 kHz

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SAFETY NOTICE

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

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

Revision List

Revision	Date	Revision History	Remark
A00	Nov.-17-2009	Initial release	T892M6NM6WA1QNE
			T892M6NC6WA1QNE
			T892M6ND6WA4QNE
A01	Mar.-15-2010	Add new Models	T892M6NM6WA2QNE
			T892M6ND6WA4BNE
			T892M6NM6WA1BNE
			T892M6NK6WA1BNE
			T892M6NC6WA1BNE
		Add second Panel (AUO M185XW01) new Converter PCB (715G3823P01000004S)	T89AM6ND6WA4BNE
			T89AM6NM6WA1BNE
			T89AM6NC6WA1BNE
			T89AM6NC6WA14NE
A02	Jun.-25-2010	Add new Models	T892M6NM6WA2BNE
			T892M6NQ6WA1BNE
			T89AM6NC6WA34NE
			T89AM6NM6WA2BNE
			T894M6ND6WA4BNE
A03	Aug.-26-2010	Add new Models	T8AAM62K6WA1B6E
			T89AM6NY6WA4B6E
			T892M6NK6WA1QNE
			T892M6NQ6WA1QNE
			T892M6NT6WA1BNE
			T892M6NT6WA1QNE
			T892M6NT6WA2BNE
			T892M6NT6WA2QNE
			T89AM6NY6WA4BCE
			T8AAM6NK6WA1B6E

18.5" LCD Color Monitor

AOC e936Vw

[illegible]

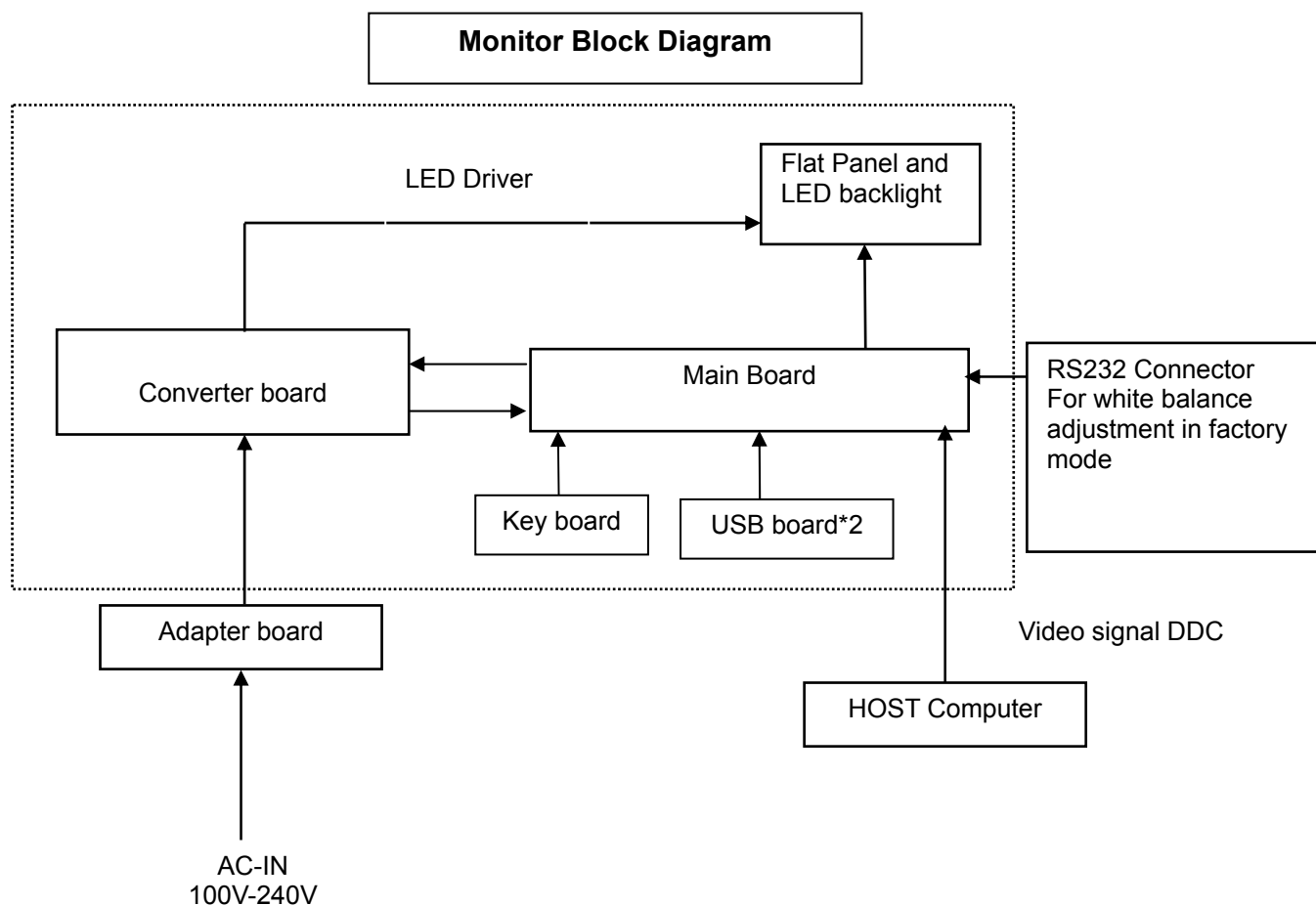
1. Monitor Specifications

LCD Panel	Model name	e936Vw	
	Driving system	TFT Color LCD	
	Viewable Image Size	470mm diagonal	
	Pixel pitch	0.24825mm(H) x 0.24825mm(V)	
	Video	R, G, B Analog Interface & Digital Interface	
	Separate Sync.	H/V TTL	
	Display Color	16.7M Colors	
	Dot Clock	85.5MHz	
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	1366x768 (60 Hz)	
	Highest preset resolution	1366x768 (60 Hz))	
	Plug & Play	VESA DDC2B/CI	
	Input Connector	D-Sub 15pin & DVI-D	
	Input Video Signal	Analog: 0.7Vp-p(standard), 75 OHM, TMDS	
	Power Source	100-240VAC, 50/60Hz	
	Power Consumption	Typical < 25W	
		Standby < 1 W	
	USB Downstream port (A type)	To USB device, loading < 100mA	
	off timer	0~24hours	Select timing to turn off the monitor.
Physical Characteristics	Connector Type	15-pin Mini D-Sub & DVI-D	
	Signal Cable Type	Detachable	
	Dimensions & Weight:	Height (with base)	358.66mm
		Width	463.14mm
		Depth	186mm
		Weight (monitor only)	3.25 kg
		Weight (with packaging)	4.85 kg
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 a main board, an adapter board, a converter board, two USB boards, and a key board which house the flat panel control logic, brightness control logic and DDC.

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



3. Operating Instructions

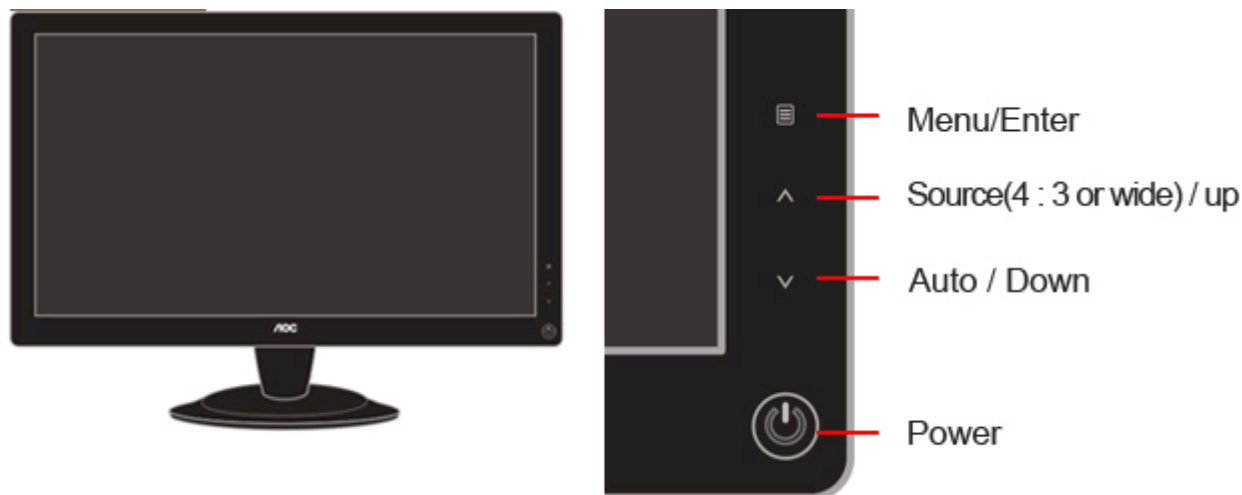
3.1 General Instructions

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

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

- The power cord should be connected.
- Connect the 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



Power Press to turn on or turn off the monitor.

Source (4 : 3 or wide) / Up Press **^**key to change the screen aspect ratio between standard 4:3 format or Wide format.

Source hot key : When the OSD is closed, press **v**button will be Source hot key function (Only for the models with dual or more inputs) .Press Source button continuously to select the input source showed in the message bar , press Menu/Enter button to change to the source selected.

Auto / Down Auto configure hot key: When the OSD is closed, press Auto button to do auto configure.

3.3 Adjusting the Picture

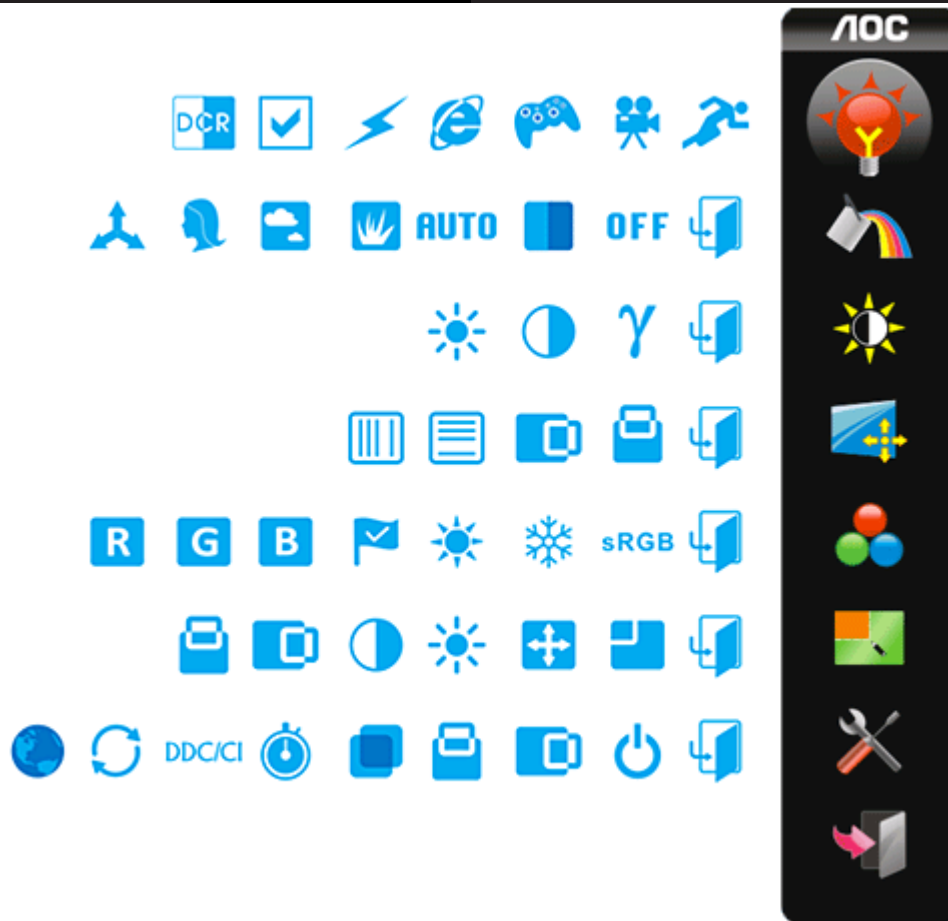
1) Press the **MENU-button** to activate the OSD window.

2) Press **^**or **v** 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 **v** to change the settings of the selected function. Press **^** or **v** 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.



Eco mode ---DCR, Standard, Text, Internet, Game, Movie, Sports

Notes : When Eco mode is not set as “Standard”, Contrast and Brightness can not be adjusted; When DCR is set as “On”, contrast, Brightness, Eco mode and Gamma can not be adjusted.



Color Boost --- Full Enhance, Nature Skin, Sky-Blue, Green Field, Auto Detect, Demo, Off, Exit

Notes :

Full Enhance: Total color saturation is enhanced, suitable for vivid pictures.

Natural Skin: Suitable for human portrait.

Green Field: Suitable for large area of green.

Sky Blue: Suitable for sky or ocean scene.

Auto Detect: Suitable for outdoor or garden.

Demo: Screen divided into two for comparison purpose.



Luminance ---Brightness, Contrast, Gamma

Notes : When Eco mode is not set as “Standard”, Contrast and Brightness can not be adjusted; When DCR is set as “On”, Contrast, Brightness, Eco mode and Gamma can not be adjusted.



Image Setup --- Clock, Phase, H.Position, V.Position, Exit

Notes : When the input source is digital signal like DVI or HDMI, Image Setup can not be adjusted.



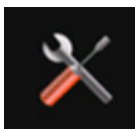
Color Temperature ---User-R , User-G , User-B, Normal, Warm, Cool, sRGB, Exit

Notes : One of DCR, Color Boost, and Picture Boost functions is active, the other two function is turned off accordingly.



Picture Boost --- V.Position, H.Position, Contrast, Brightness, Frame Size, Bright Frame, Exit

Notes : One of DCR, Color Boost, and Picture Boost functions is active, the other two function is turned off accordingly.



Extra ---Language, Reset, DDC-CI, OSD Timeout, Transparency, V. Position, H. Position, Off Timer, Exit



Exit

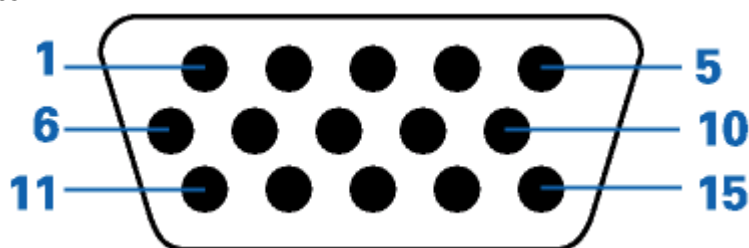
LED Indicator

Status	LED Color	
Full Power Mode	Blue	
Active-off Mode	Orange	

4. Input/Output Specification

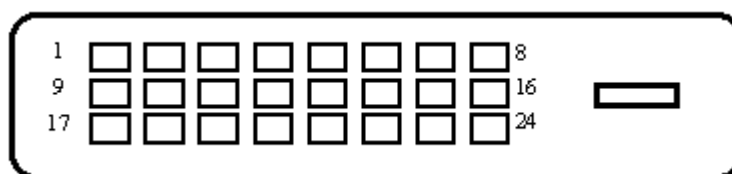
4.1 Input Signal Connector

4.1.1 D-SUB 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		

4.1.2 DVI-D 24pin Connector



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	59.94
VGA	640×480 @67Hz	35	66.667
VGA	640×480 @72Hz	37.861	72.809
VGA	640×480 @75Hz	37.5	75
Dos-mode	720×400 @70Hz	31.469	70.087
SVGA	800×600 @56Hz	35.156	56.25
SVGA	800×600 @60Hz	37.879	60.317
SVGA	800×600 @72Hz	48.077	72.188
SVGA	800×600 @75Hz	46.875	75
Mac-mode	832×624 @75Hz	49.725	74.5
XGA	1024×768 @60Hz	48.363	60.004
XGA	1024×768 @70Hz	56.476	70.069
XGA	1024×768 @72Hz	57.5	72.074
XGA	1024×768 @75Hz	60.023	75.029
XGA	1024×768 @75Hz	60.241	74.927
wXGA	1360×768 @60Hz	47.712	60.015
wXGA	1366×768 @60Hz	47.765	59.856

5 Panel Specification

5.1 Display Characteristics

TPM185B1

LCM185B1L01-A110 is 18.5" TFT Liquid Crystal Display module with 4 CCFL Backlight unit and 30pin 1ch-LVDS interface. This module supports 1366 x 768 WXGA (16:9 wide screen) model and can display up to 16.7M colors. The inverter module for Backlight is not built in.

Item	Specification	Unit	Note
Active Area	409.8 (H) × 230.4(V) (18.5" diagonal)	mm	(1)
Bezel Opening Area	413.4(H) × 234 (V)	mm	
Driver Element	a-Si TFT active matrix	-	-
Pixel Number	1366 x R.G.B. x 768	pixel	-
Pixel Pitch	0.3 (H) x 0.3 (V)	mm	-
Pixel Arrangement	RGB vertical stripe	-	-
Display Colors	16.7M	color	-
Transmissive Mode	Normally White	-	-
Surface Treatment	AG type, 3H hard coating, Haze 25%	-	-

Item		Min.	Typ.	Max.	Unit	Note
Module Size	Horizontal(H)	429.87	430.37	430.87	mm	(1)
	Vertical(V)	254.1	254.6	255.1	mm	
	Depth(D)	15.75	16.25	16.75	mm	
Weight		-	2025	2075	g	-

Note (1) Please refer to the attached drawings for more information of front and back outline dimensions.

M185XW01

This specification applies to the 18.5 inch-wide Color a-Si TFT-LCD Module M185XW01. The display supports the WXGA - 1366(H) x 768(V) screen format and 16.7M colors (RGB 6-bits + Hi-FRC data). All input signals are 1-channel LVDS interface and this module doesn't contain an inverter board for backlight.

ITEMS	Unit	SPECIFICATIONS
Screen Diagonal	[mm]	470.1(18.51")
Active Area	[mm]	409.8 (H) x 230.4 (V)
Pixels H x V		1366(x3) x 768
Pixel Pitch	[um]	300 (per one triad) × 300
Pixel Arrangement		R.G.B. Vertical Stripe
Display Mode		TN Mode, Normally White
White Luminance (Center)	[cd/m ²]	250 cd/m ² (@ 7.5mA (Typ.)
Contrast Ratio		1000 (Typ.)
Optical Response Time	[msec]	5ms (Typ., on/off)
Nominal Input Voltage VDD	[Volt]	+5.0 V (Typ)
Power Consumption (VDD line + CCFL line)	[Watt]	14.8 W (Typ) (without inverter, all black pattern)
Weight	[Grams]	1460 (Max)
Physical Size	[mm]	430.37 (W) x 254.6 (H) Typ. x 11 (D) Max
Electrical Interface		One channel LVDS
Support Color		16.7M colors (RGB 6-bit + Hi_FRC)
Surface Treatment		Anti-Glare, 3H
Temperature Range		
Operating	[°C]	0 to +50
Storage (Shipping)	[°C]	-20 to +60
RoHS Compliance		RoHS Compliance
TCO'03 Compliance		TCO'03 Compliance

5.2 Optical Characteristics

TPM185B1

Item		Symbol	Condition	Min.	Typ.	Max.	Unit
Color Chromaticity (CIE 1931)	Red	R _x	$\theta_x=0^\circ, \theta_Y=0^\circ$ CS-1000T	Typ - 0.03	0.646	Typ + 0.03	-
		R _y			0.334		
	Green	G _x			0.284		
		G _y			0.602		
	Blue	B _x			0.152		
		B _y			0.076		
	White	W _x			0.313		
		W _y			0.329		
Center Luminance of White (Center of Screen)		L _C		250	300	-	cd/m ²
Contrast Ratio		CR		630	1000	-	-
Response Time		T _R	$\theta_x=0^\circ, \theta_Y=0^\circ$	-	1.3	2.2	ms
		T _F		-	3.7	5.8	
White Variation		ΔW	$\theta_x=0^\circ, \theta_Y=0^\circ$ USB2000	-	-	1.33	-
Viewing Angle	Horizontal	θ _x +	CR ≥ 10 USB2000	75	85	-	Deg.
		θ _x -		75	85	-	
	Vertical	θ _y +		70	80	-	
		θ _y -		70	80	-	
Viewing Angle	Horizontal	θ _x +	CR ≥ 5 USB2000	80	89	-	Deg.
		θ _x -		80	89	-	
	Vertical	θ _y +		80	89	-	
		θ _y -		80	89	-	

M185XW01

Item	Unit	Conditions	Min.	Typ.	Max.
Viewing Angle	[degree]	Horizontal (Right) CR = 10 (Left)	150	170	-
		Vertical (Up) CR = 10 (Down)	140	160	-
Contrast ratio		Normal Direction	600	1000	-
Response Time	[msec]	Raising Time (T_{rR})	-	3.6	5.7
		Falling Time (T_{rF})	-	1.4	2.3
		Raising + Falling	-	5	8
Color / Chromaticity Coordinates (CIE)		Red x	0.618	0.648	0.678
		Red y	0.309	0.339	0.369
		Green x	0.262	0.292	0.322
		Green y	0.573	0.603	0.633
		Blue x	0.113	0.143	0.173
		Blue y	0.040	0.070	0.100
Color Coordinates (CIE) White		White x	0.283	0.313	0.343
		White y	0.299	0.329	0.359
Central Luminance	[cd/m ²]		200	250	-
Luminance Uniformity	[%]		75	80	-
Crosstalk (in 60Hz)	[%]				1.5
Flicker	dB				-20

5.3 Electrical Characteristics

1.TFT LCD Module:

TPM185B1

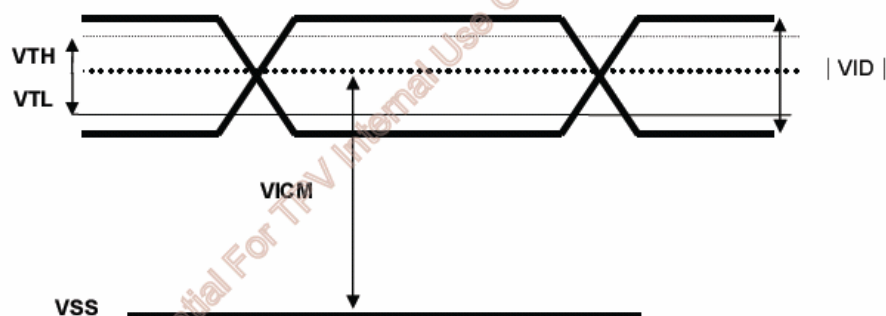
Parameter		Symbol	Value			Unit
			Min.	Typ.	Max.	
Power Supply Voltage		V _{CC}	4.5	5.0	5.5	V
Ripple Voltage		V _{RP}			100	mV
Rush Current		I _{RUSH}		2	3	A
Power Supply Current	White				0.6	A
	Black				0.9	A
	Vertical Stripe				0.9	A
LVDS differential input voltage		V _{id}	100		600	mV
LVDS common input voltage		V _{ic}		1.2	-	V

M185XW01

Symbol	Parameter	Min	Typ	Max	Unit	Conditions
VDD	Logic/LCD Drive Voltage	4.5	5.0	5.5	[Volt]	+/-10%
IDD	Input Current	-	0.76	0.85	[A]	VDD= 5.0V, All Black Pattern At 60Hz,
PDD		-	3.8	4.25	[Watt]	VDD= 5.0V, All Black Pattern At 60Hz
IRush	Inrush Current	-	-	3	[A]	
VDDrp	Allowable Logic/LCD Drive Ripple Voltage	-	-	350	[mV] p-p	VDD= 5.0V, All Black Pattern At 60Hz

Symbol	Parameter	Min	Typ	Max	Units	Condition
VTH	Differential Input High Threshold	-	+50	+100	[mV]	VICM = 1.2V Note 1
VTL	Differential Input Low Threshold	-100	-50	-	[mV]	VICM = 1.2V Note 1
VID	Input Differential Voltage	100	400	600	[mV]	Note 1
VICM	Differential Input Common Mode Voltage	+1.0	+1.2	+1.4	[V]	VTH-VTL = 200mV (max) Note 1

Note 1: LVDS Signal Waveform



2.Back Light Unit:

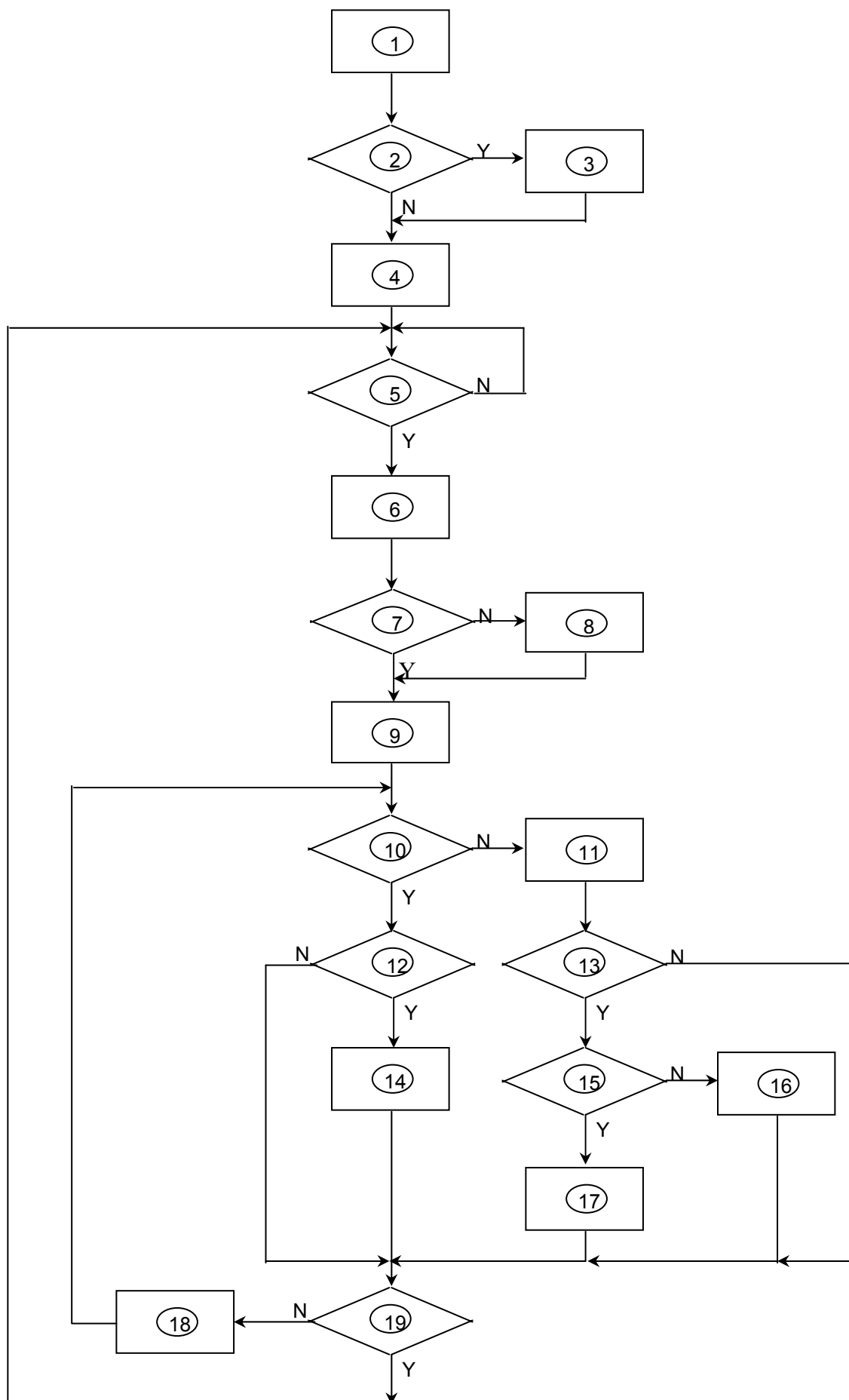
TPM185B1

Parameter	Symbol	Value			Unit	Note
		Min.	Typ.	Max.		
Lamp Input Voltage	V_L	---	775	853	V_{RMS}	$I_L = 7.0 \text{ mA}$
Lamp Current	I_L	2.0	7.0	7.5	mA_{RMS}	
Lamp Turn On Voltage	V_s	---	---	1500(25°C)	V_{RMS}	
		---	---	1710(0°C)	V_{RMS}	
Operating Frequency	F_L	40	---	80	KHz	
Lamp Life Time	L_{BL}	40000	50000	---	Hrs	$I_L = 7.0 \text{ mA}$
Power Consumption	P_L	---	21.7	---	W	$I_L = 7.0 \text{ mA}$

Parameter	Min.□	Typ.	Max.□	Unit
CCFL Standard Current (ISCFL)	7.0	7.5	8.0	[mA] rms
CCFL Operation Current (IRCFL)	3.0	7.5	8.0	[mA] rms
CCFL Frequency (FCFL)	40	50	80	[KHz]
CCFL Ignition Voltage (ViCFL, Ta= 0□)	1650	-	-	[Volt] rms
CCFL Ignition Voltage (ViCF, Ta= 25□)	1250	-	-	[Volt] rms
CCFL Operation Voltage (VCFL)	-	700 (@7.5mA)	880	[Volt] rms
CCFL Power Consumption (PCFL)	-	11	12.1	[Watt]
CCFL Life Time (LTCFL)	50,000	-	-	[Hour]

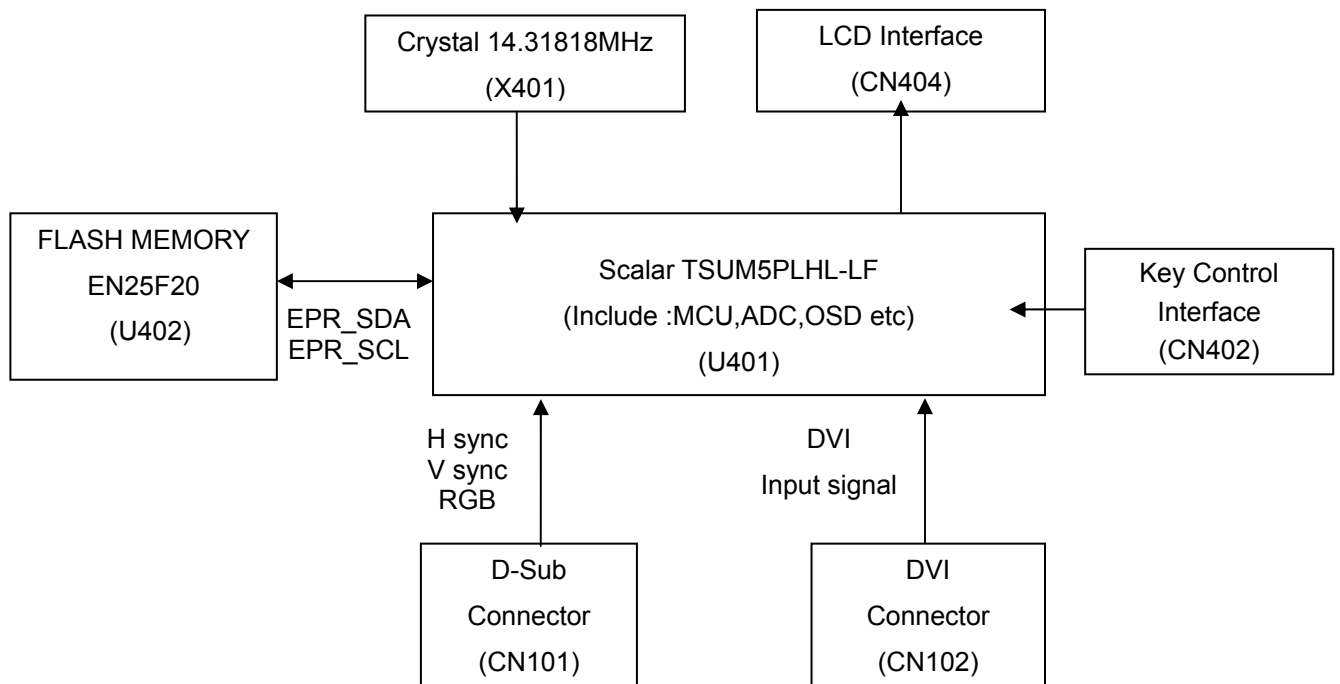
6. Block Diagram

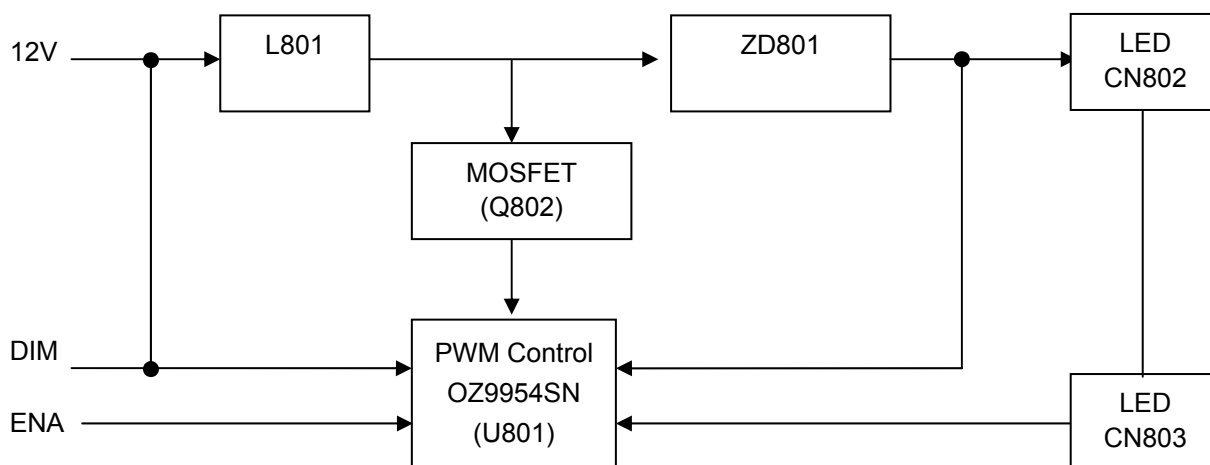
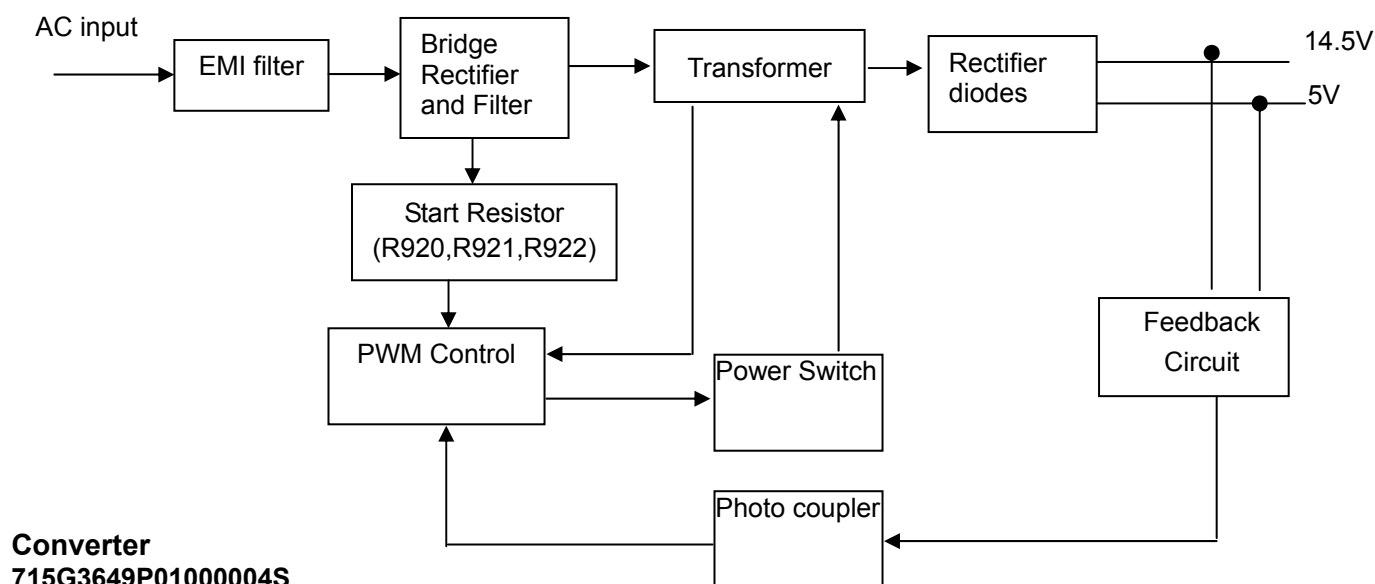
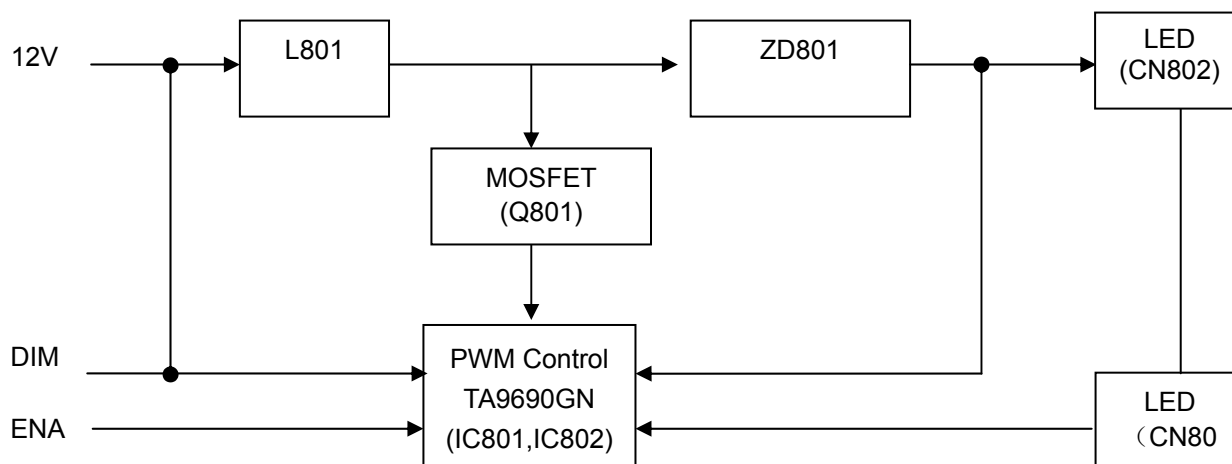
6.1 Software Flow Chat



REMARK:

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?

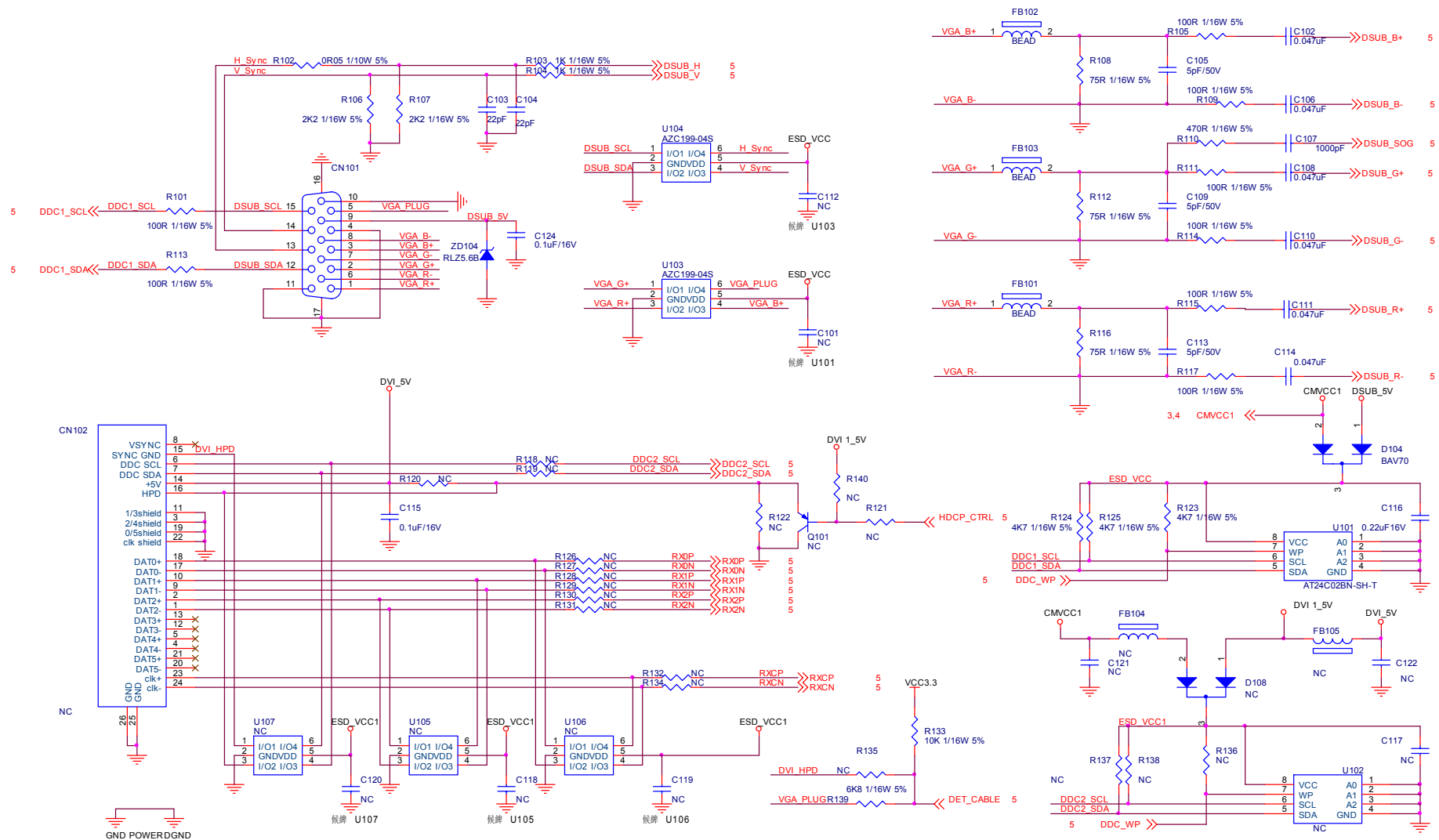
6.2 Electric Block Diagram**6.2.1 Main Board**

6.2.2 Inverter / Power Board**Adapter****715G3189P01LED001S & 715G3189P02LED001S****715G3823P01000004S**

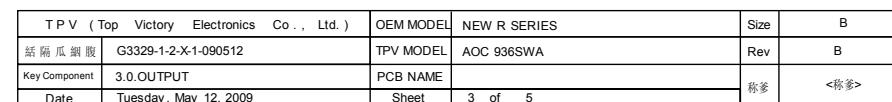
7. Schematic

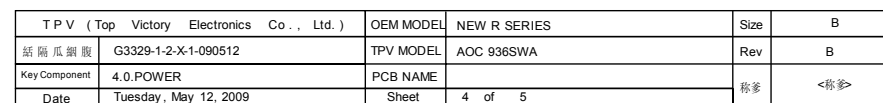
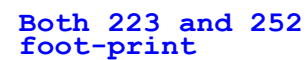
7.1 Main Board

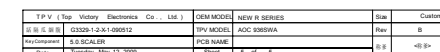
715G3329 1 2



T P V (Top Victory Electronics Co., Ltd.)	OEM MODEL	NEW R SERIES	Size	B
冠捷电子	G3329-1-2-X-1-090512	TPV MODEL	AOC 936SWA	Rev
Key Component	2.0.INPUT	PCB NAME		称参
Date	Tuesday, May 12, 2009	Sheet	2 of 5	<称参>



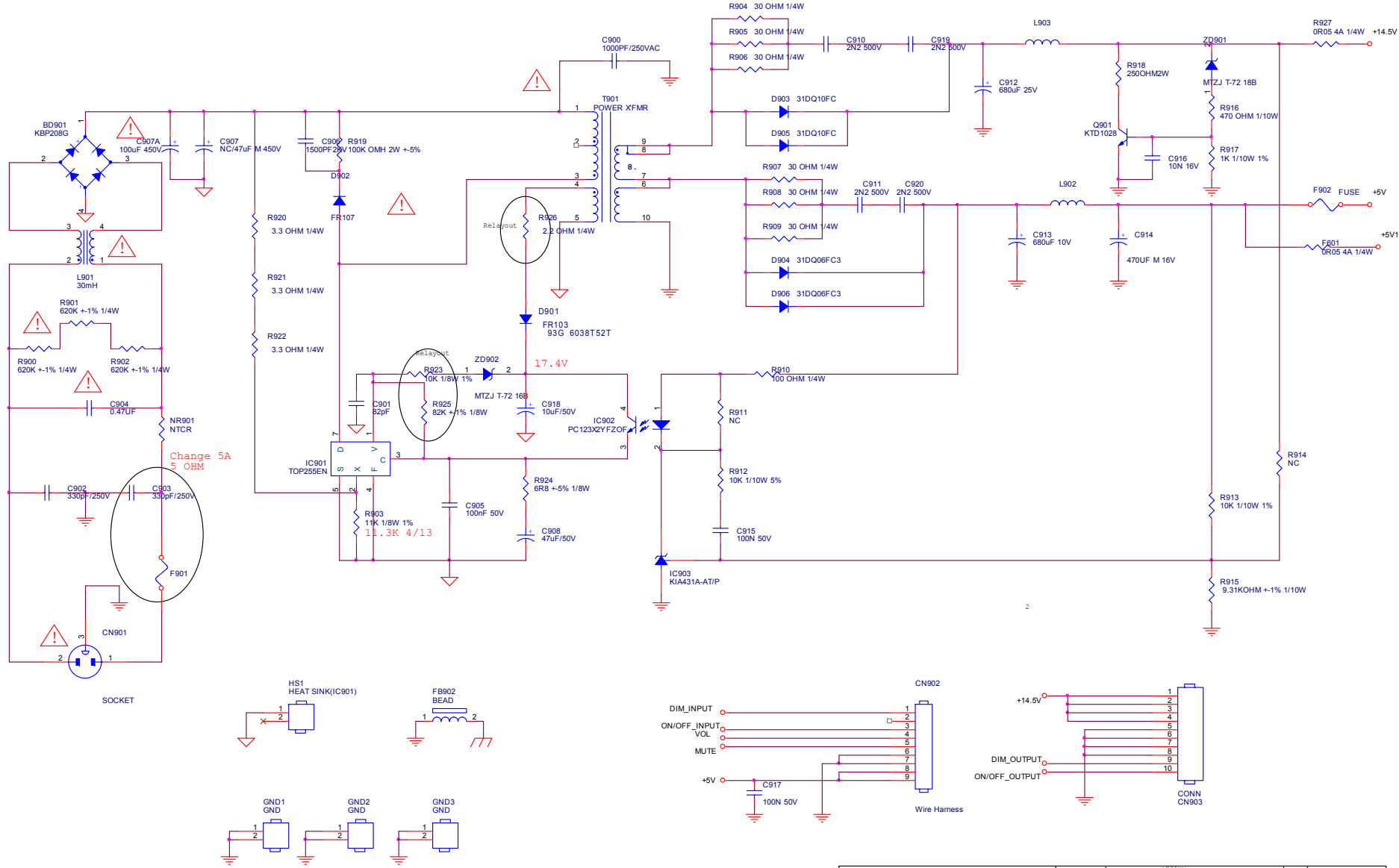




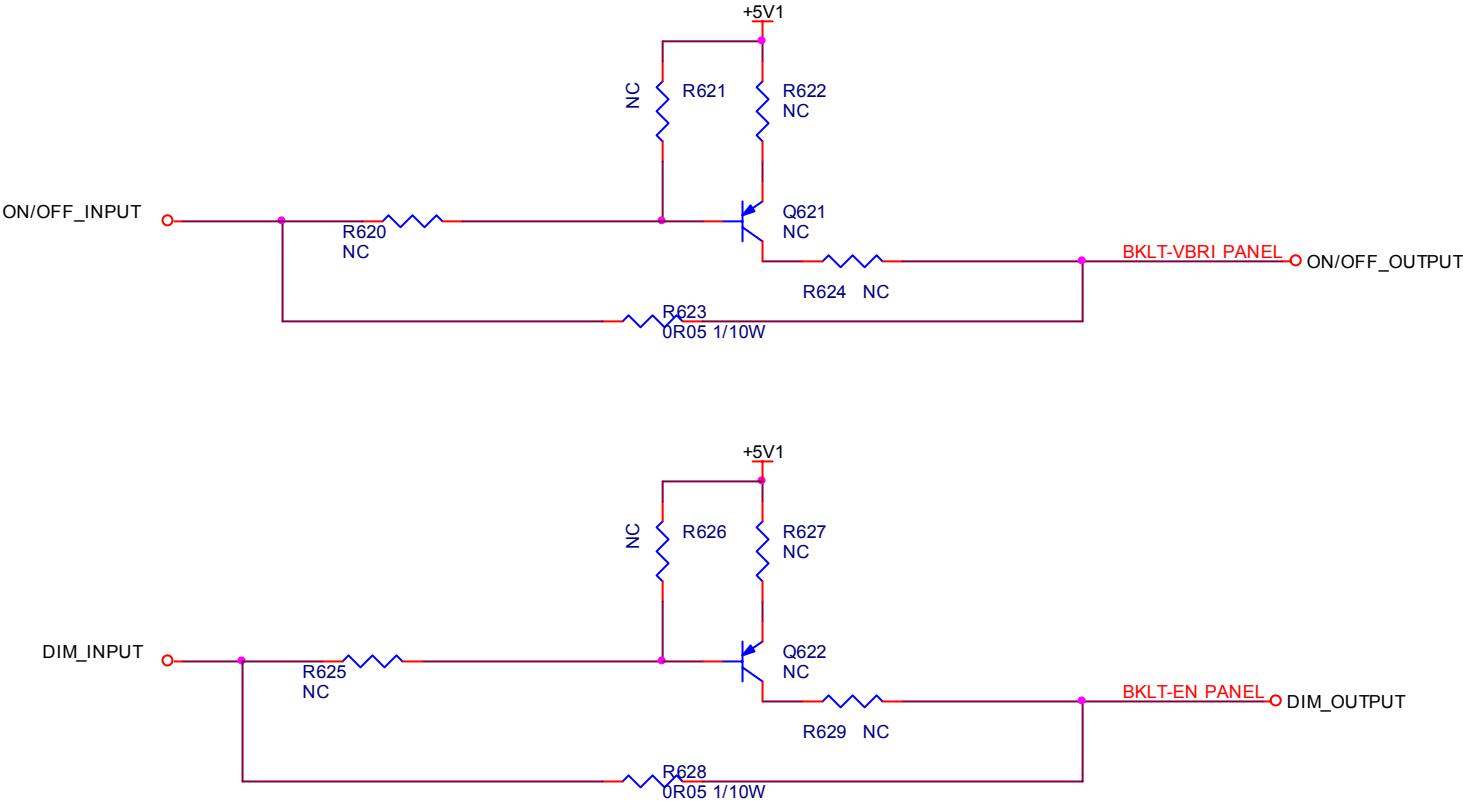
7.2 Power Board

Adapter

715G3189P01LED001S & 715G3189P02LED001S

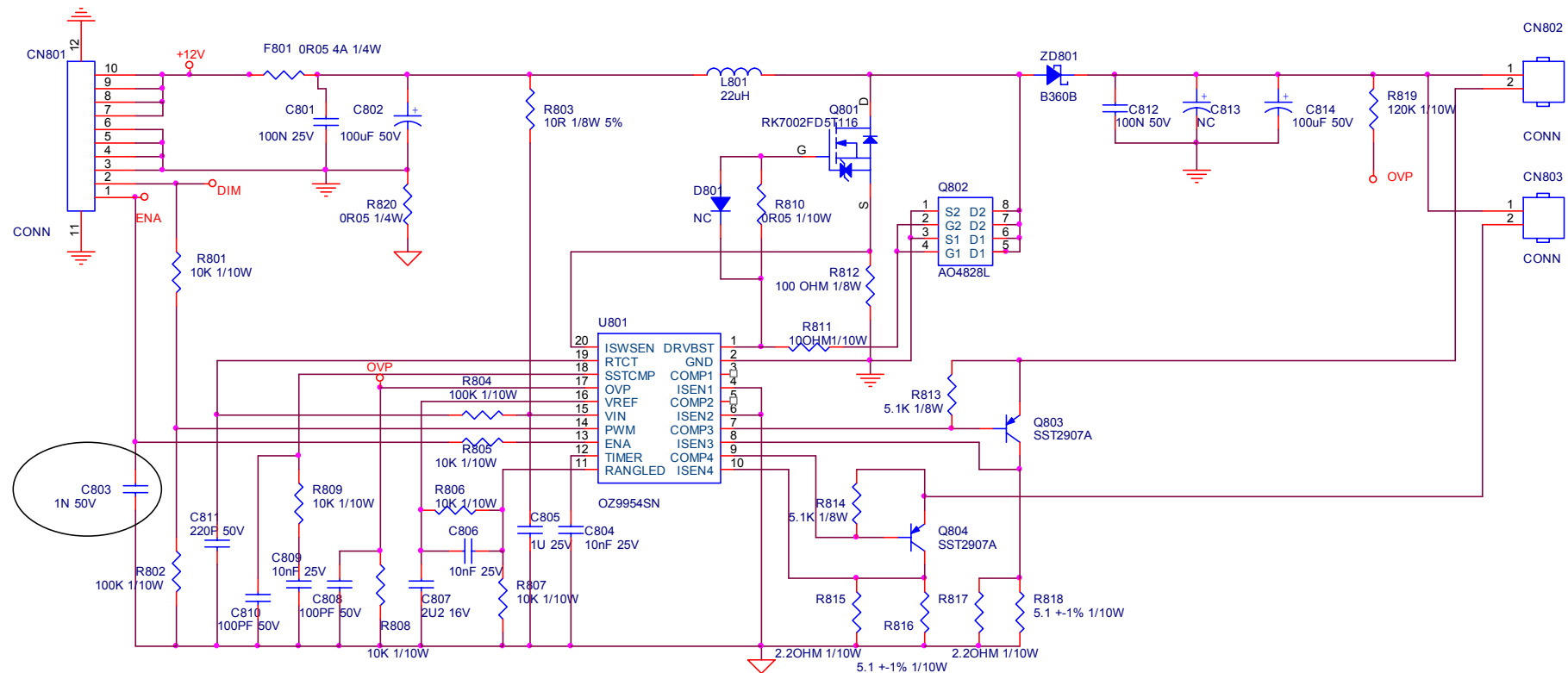


TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	e936Vw	Size	Custom
基爾瓜爾版	G3189-POC-LED-X6-090825	TPV MODEL	ADP091503BC3	Rev
Key Component	02.POWER	PCB NAME	715G3189-POC-LED	Rev
Date	Wednesday, September 23, 2009	Sheet	2 of 3	ODM MODEL



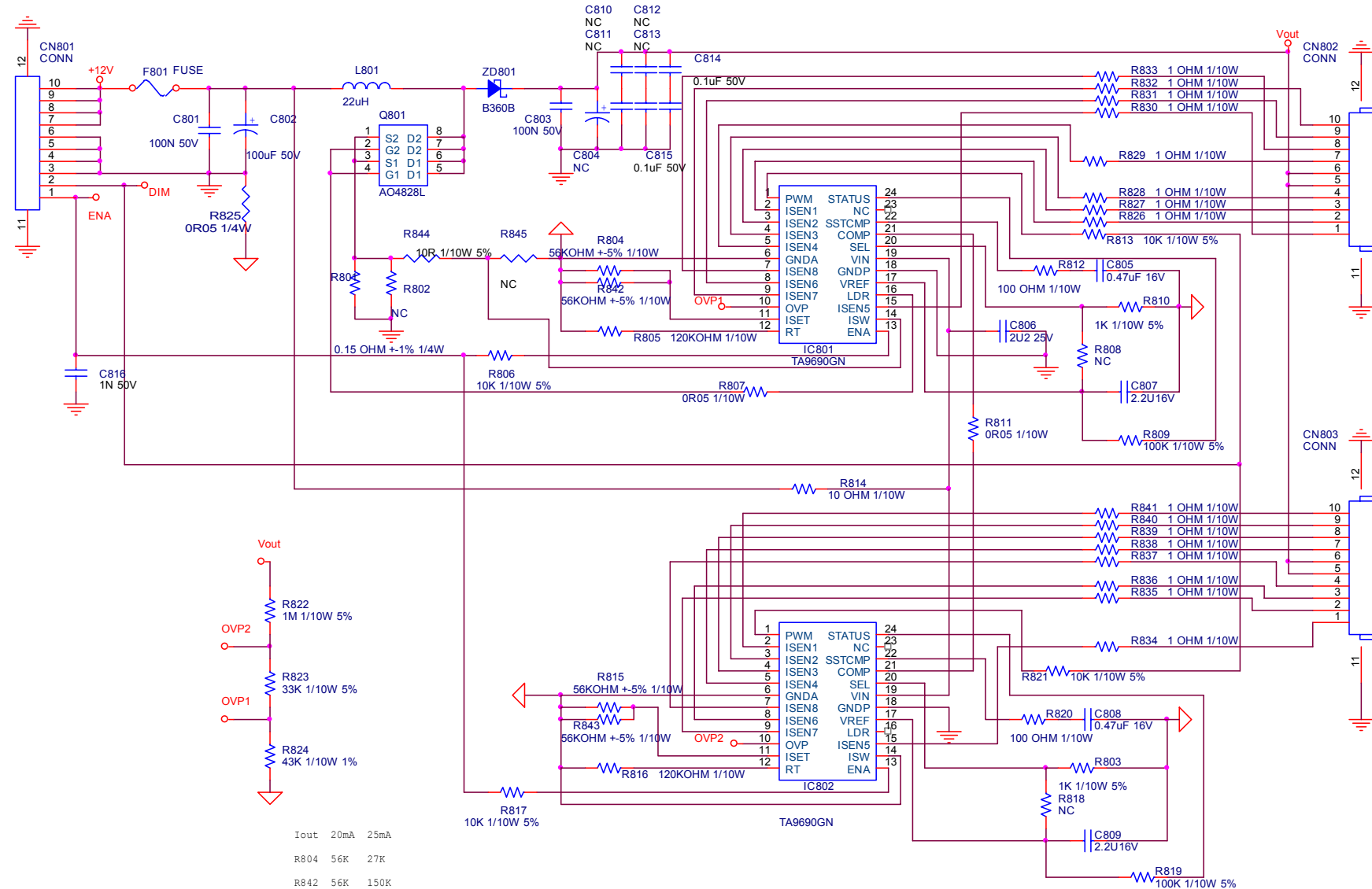
T P V (Top Victory Electronics Co . , Ltd.)		OEM MODEL	e936vw	Size	A
紙隔瓜網腹	G3189-POC-LED-X-6-090825	TPV MODEL	ADPC91503HC3	Rev	C
Key Component	04.BUFEER	PCB NAME	715G3189-POC-LED	称爹	ODM MODEL
Date	Wednesday , September 23, 2009	Sheet	3 of 3		

Converter
715G3649P01000004S



TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	e936vw	Size	A4
紙隔瓜網版	G3649-P0C-000-X-2-090901	TPV MODEL	ADPC93302HB7	Rev
Key Component	02.CONVERTER	PCB NAME	715G3649P0C0000040	1
Date	Thursday, September 03, 2009	Sheet	2 of 2	ODM MODEL

715G3823P01000004S



Iout 20mA 25mA

R804 56K 27K

R842 56K 150K

R815 56K 27K

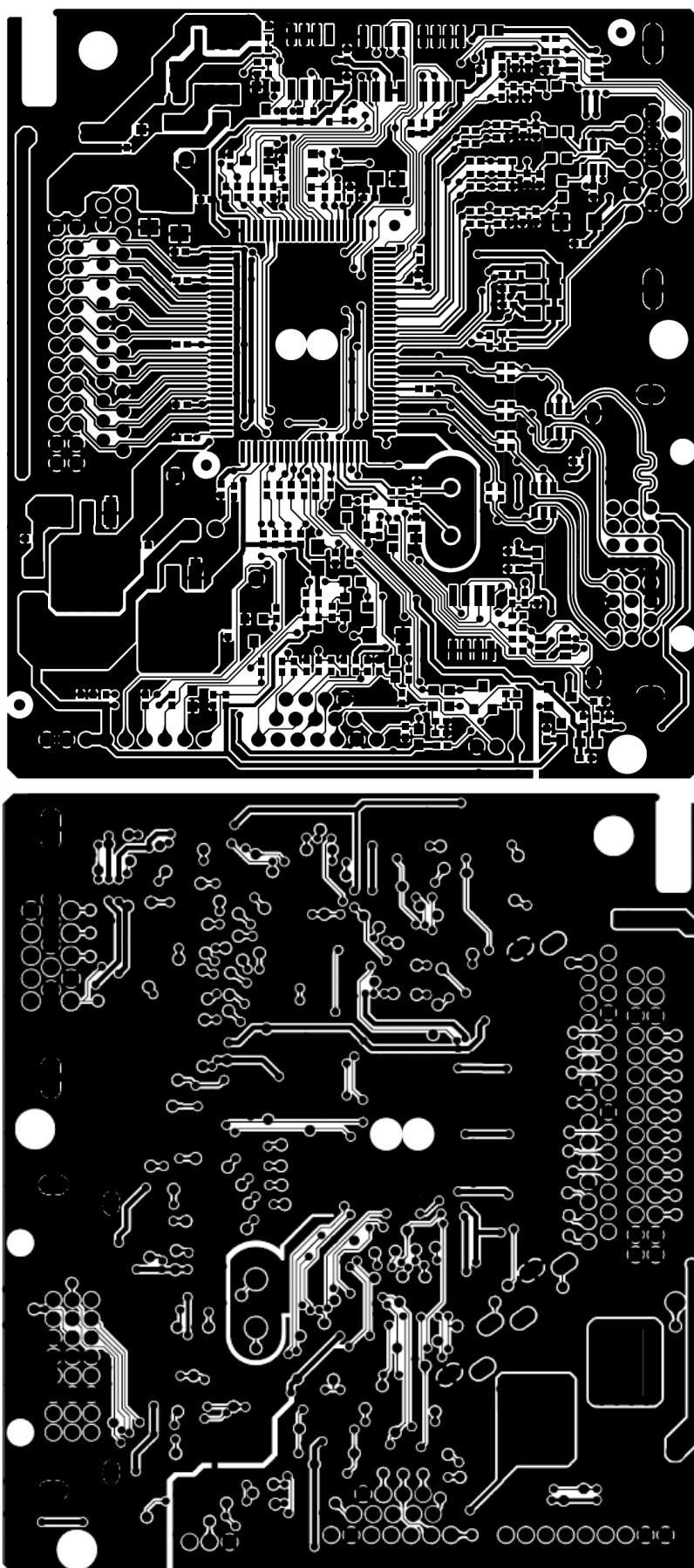
R843 56K 150K

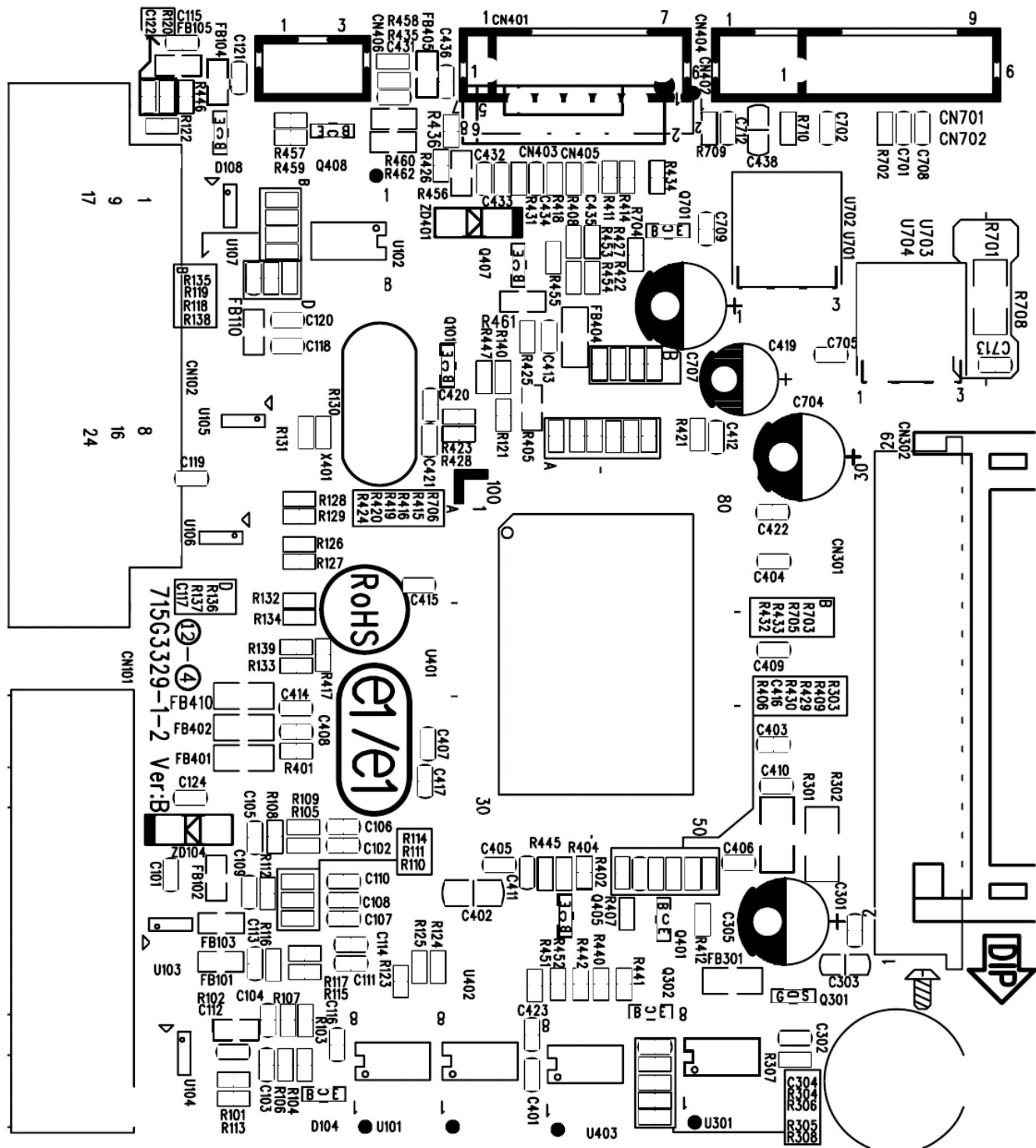


TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	Size	A4
結構瓜銀膜	G3823-P01-000-0040-2-091028	Rev	1
Key Component	02.CONVERTER	PCB NAME	715G3823P01000004S
Date	Tuesday, December 08, 2009	Sheet	of
		称爹	ODM MODEL

8. PCB Layout**8.1 Main Board**

715G3329 1 2

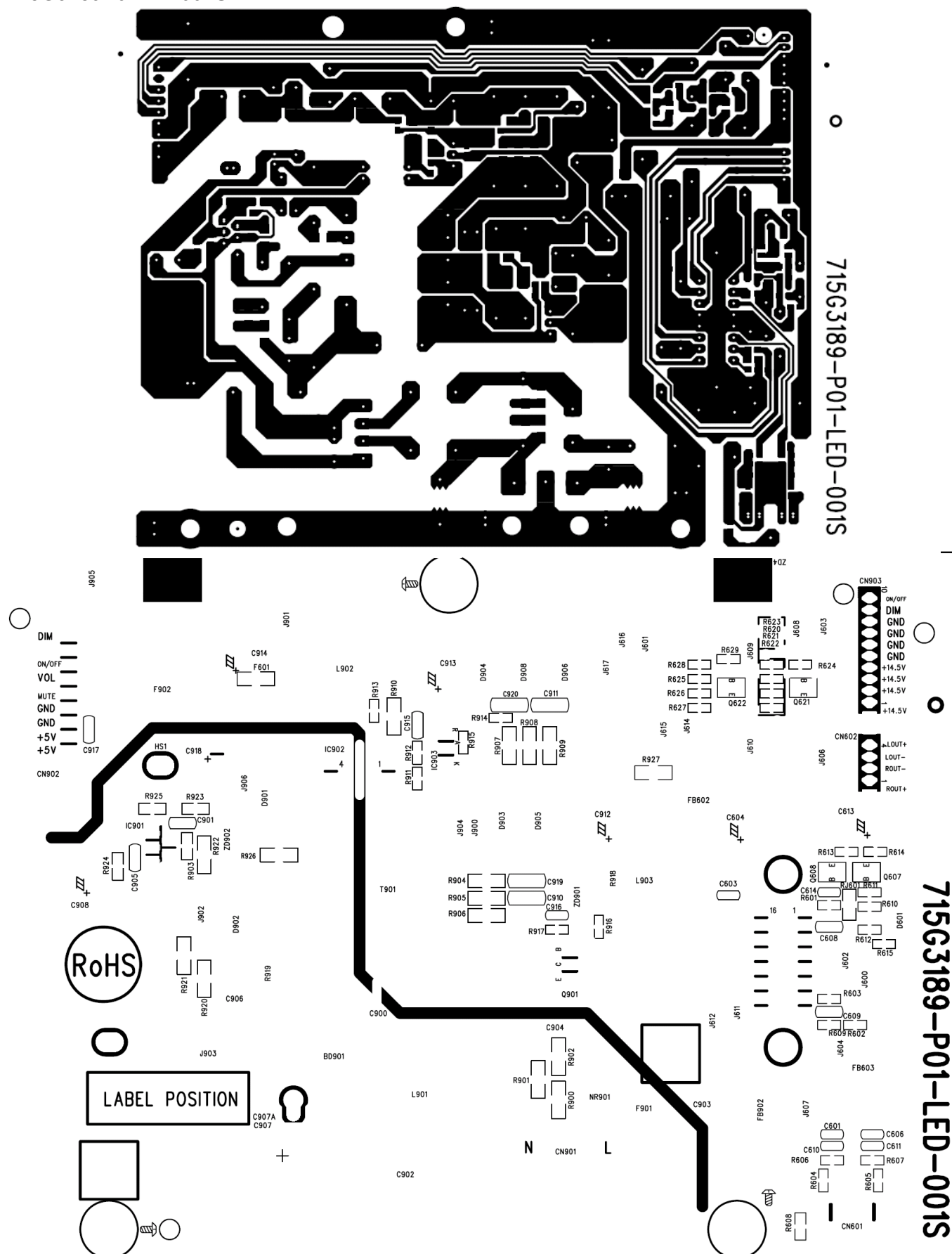


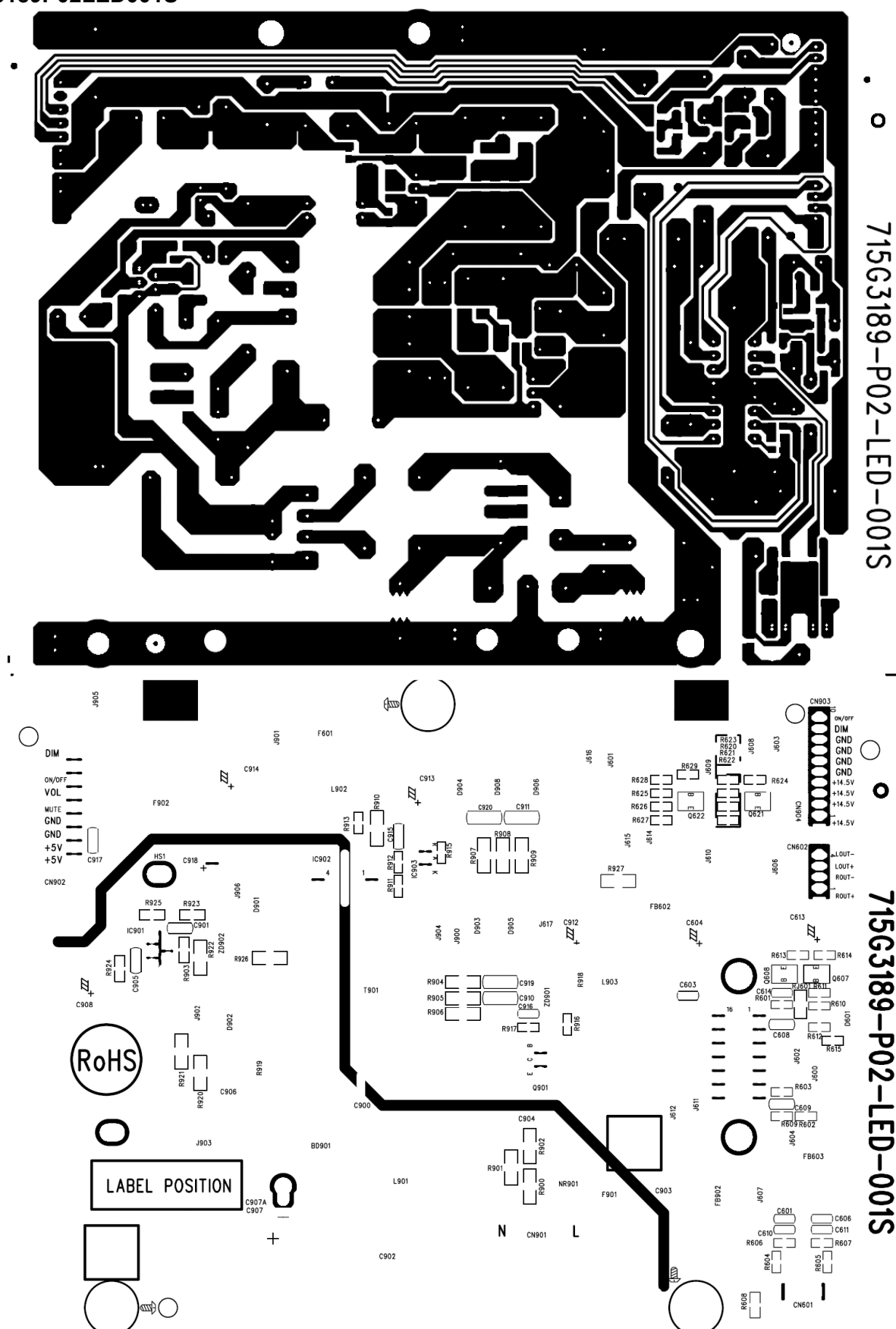


8.2 Power Board

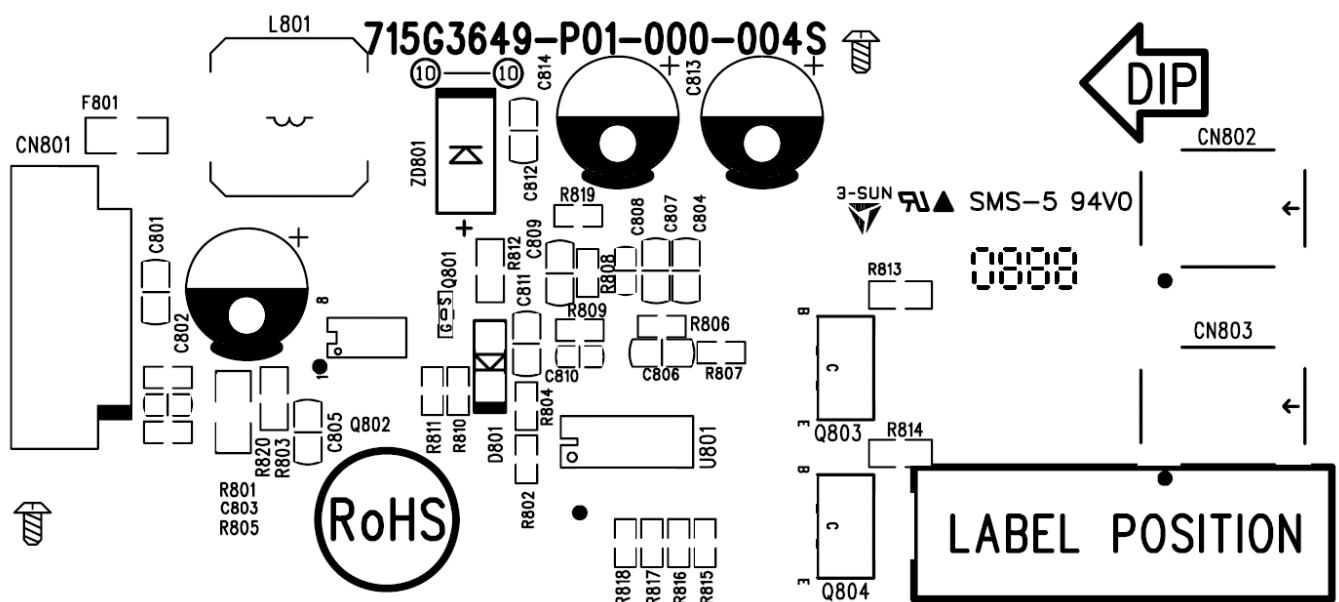
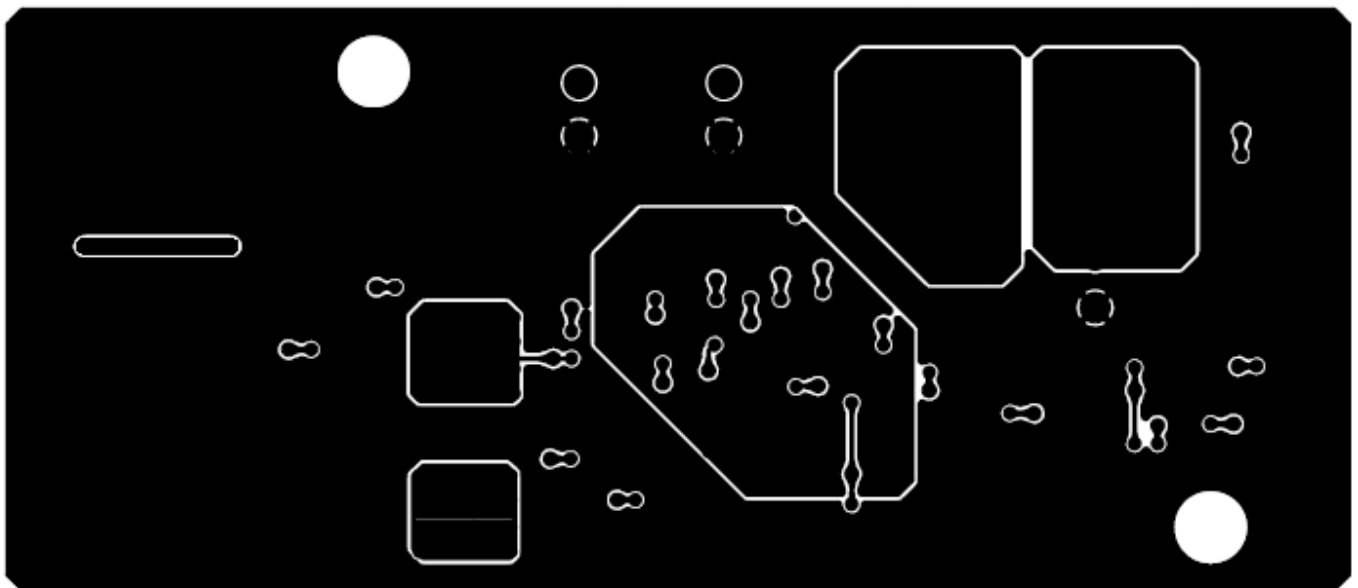
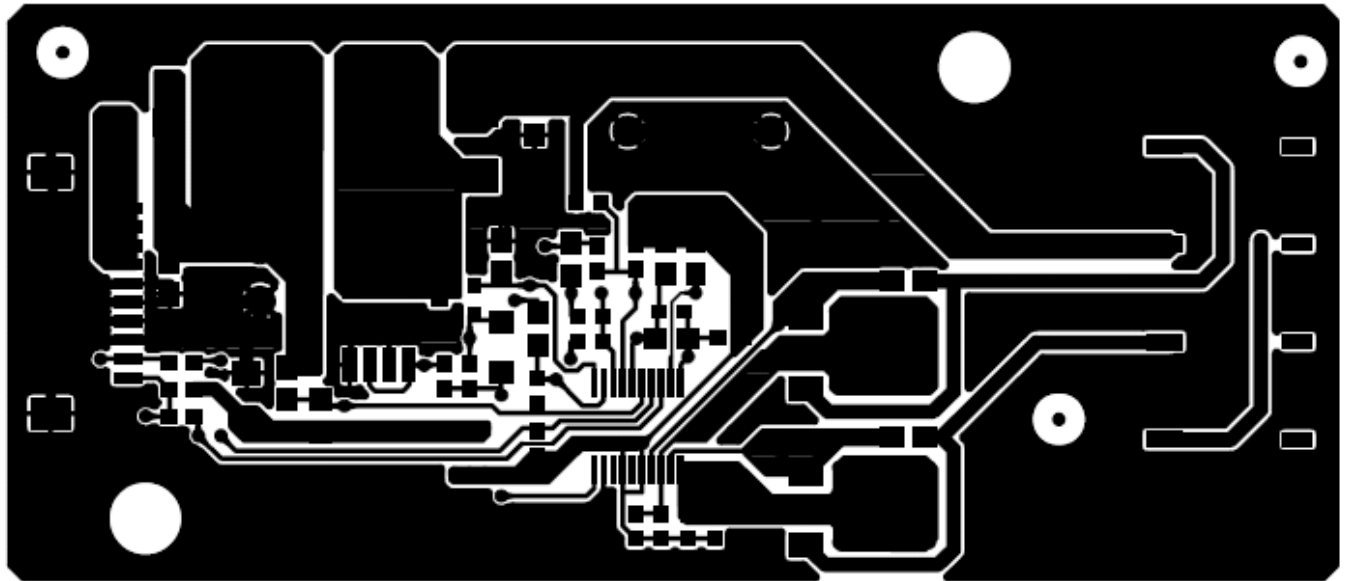
Adapter

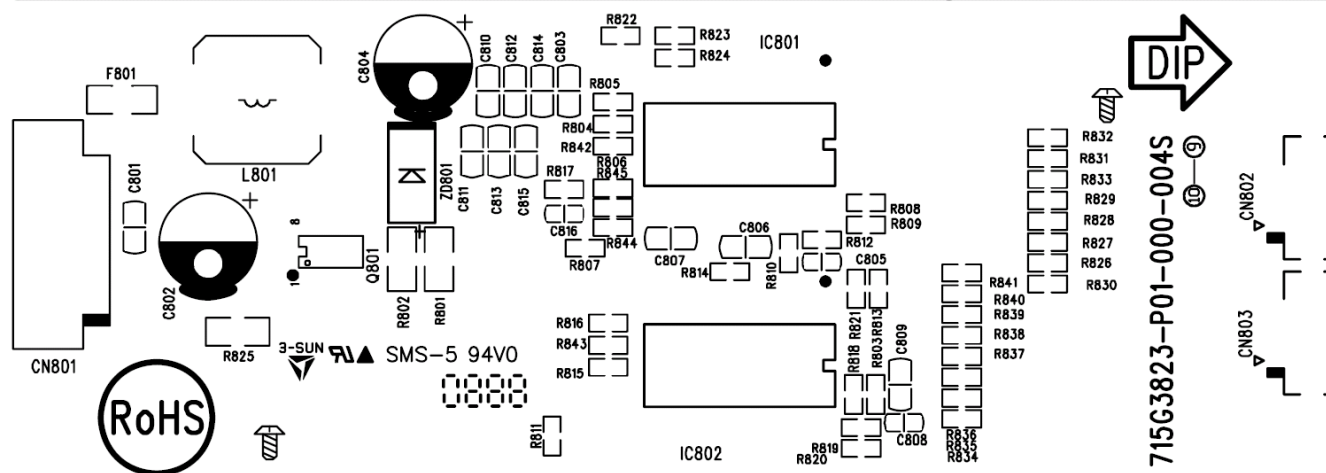
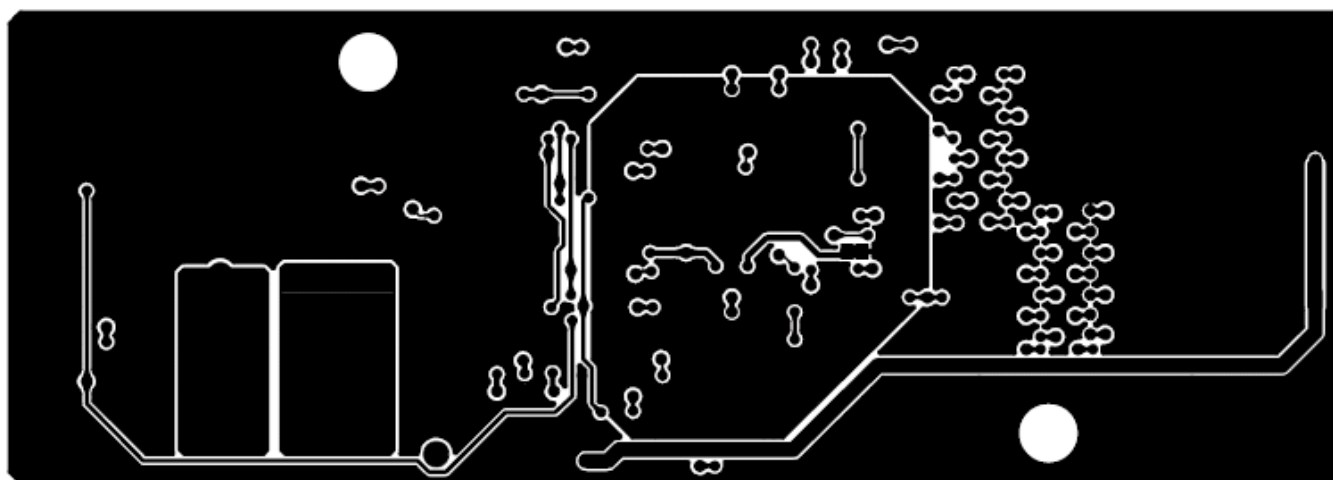
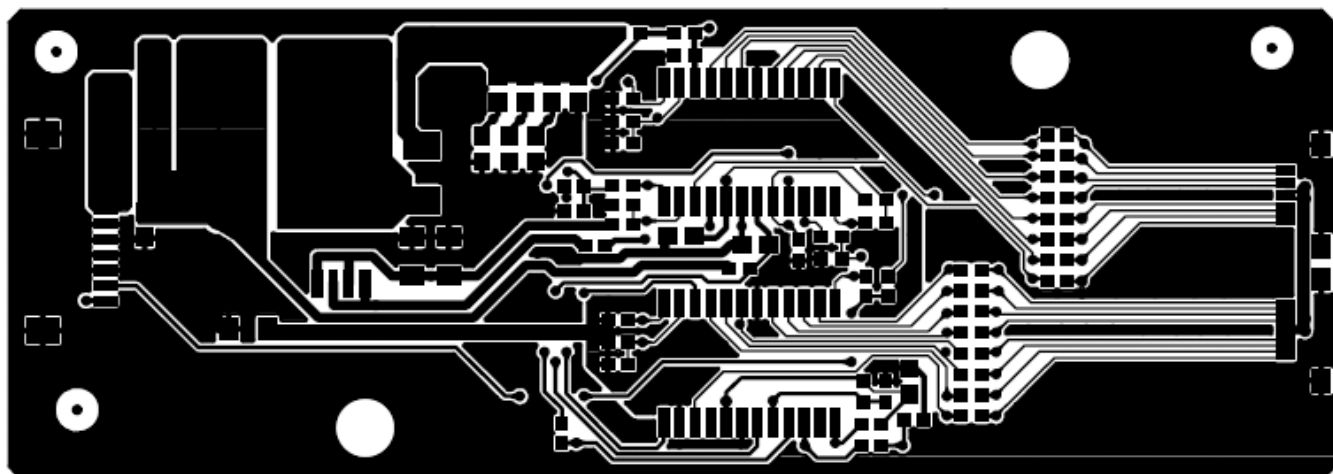
715G3189P01LED001S

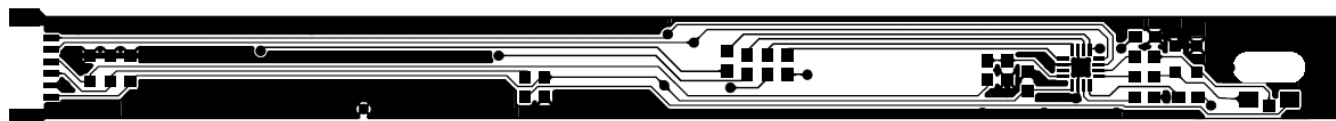




715G3649-P01-000-004S



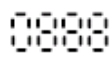


8.3 Key Board**715G3371 2**

715G3371-2



SMS-5 94V0



⑧—①

T01

T02

T03

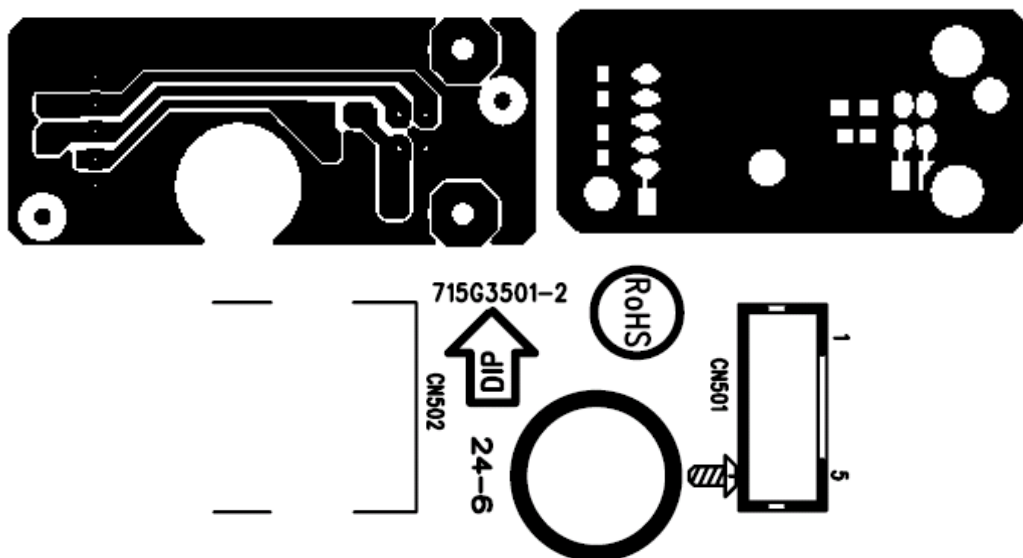
T04

T05

8.4 USB Board

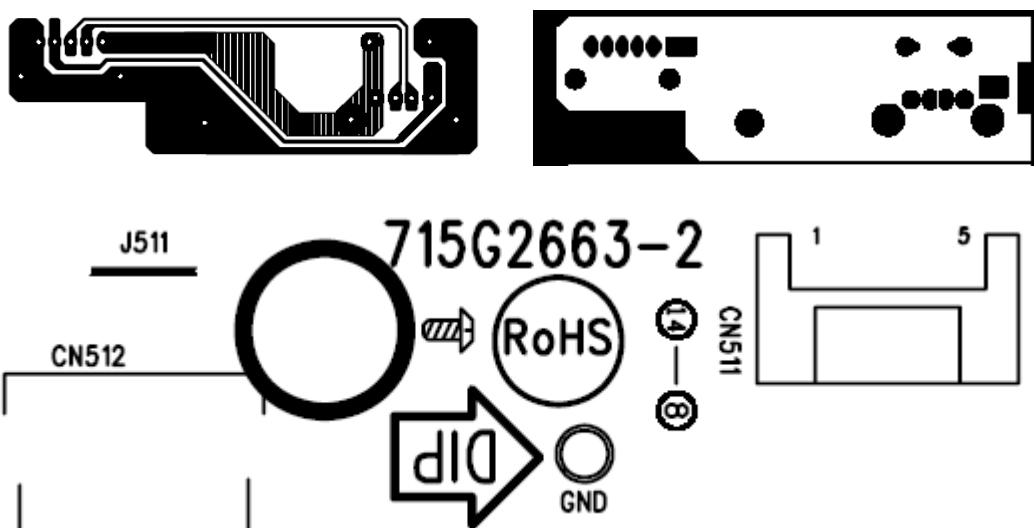
715G3501 2

715G3501-2



715G2663 2

715G2663-2



9. Maintainability

9.1 Equipments and Tools Requirement

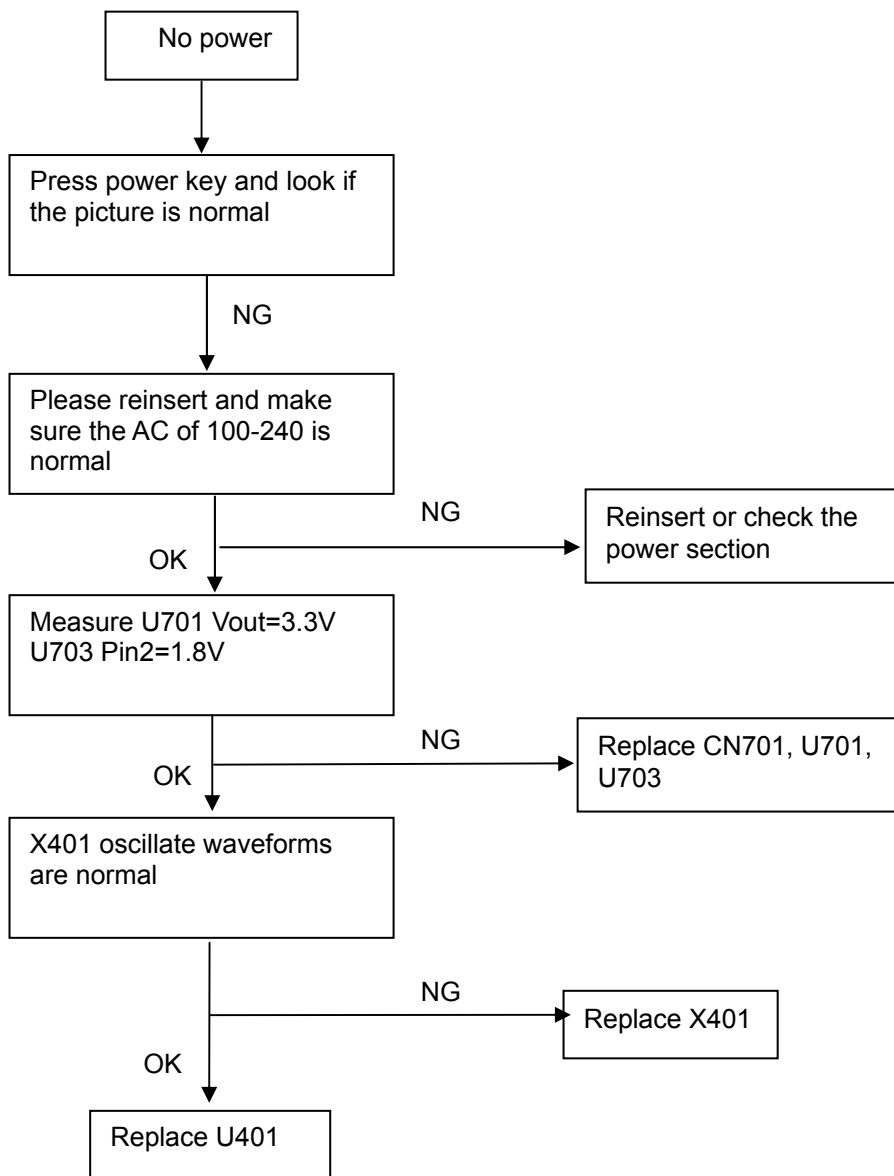
1. Voltmeter.
2. Oscilloscope.
3. Pattern Generator.
4. DDC Tool with an IBM Compatible Computer.
5. Alignment Tool.
6. LCD Color Analyzer.
7. Service Manual.
8. User Manual.

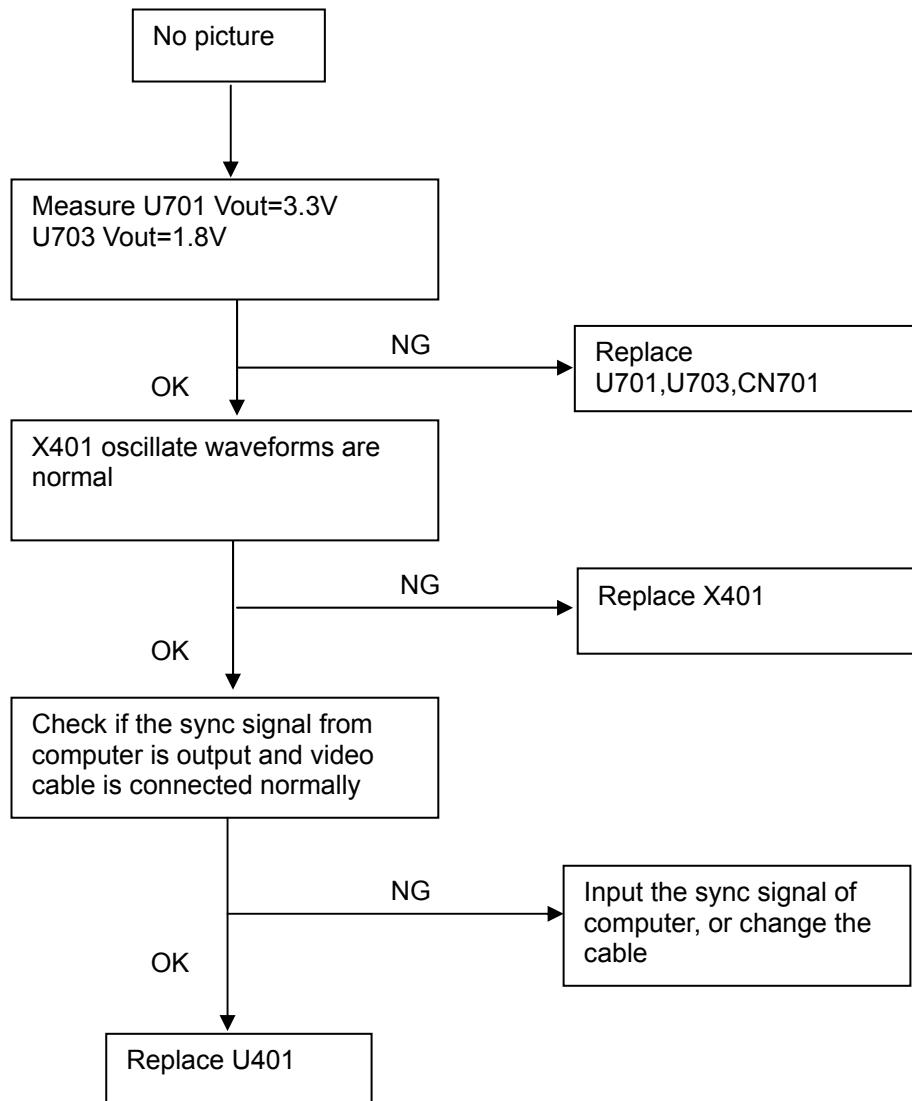
9.2 Trouble Shooting

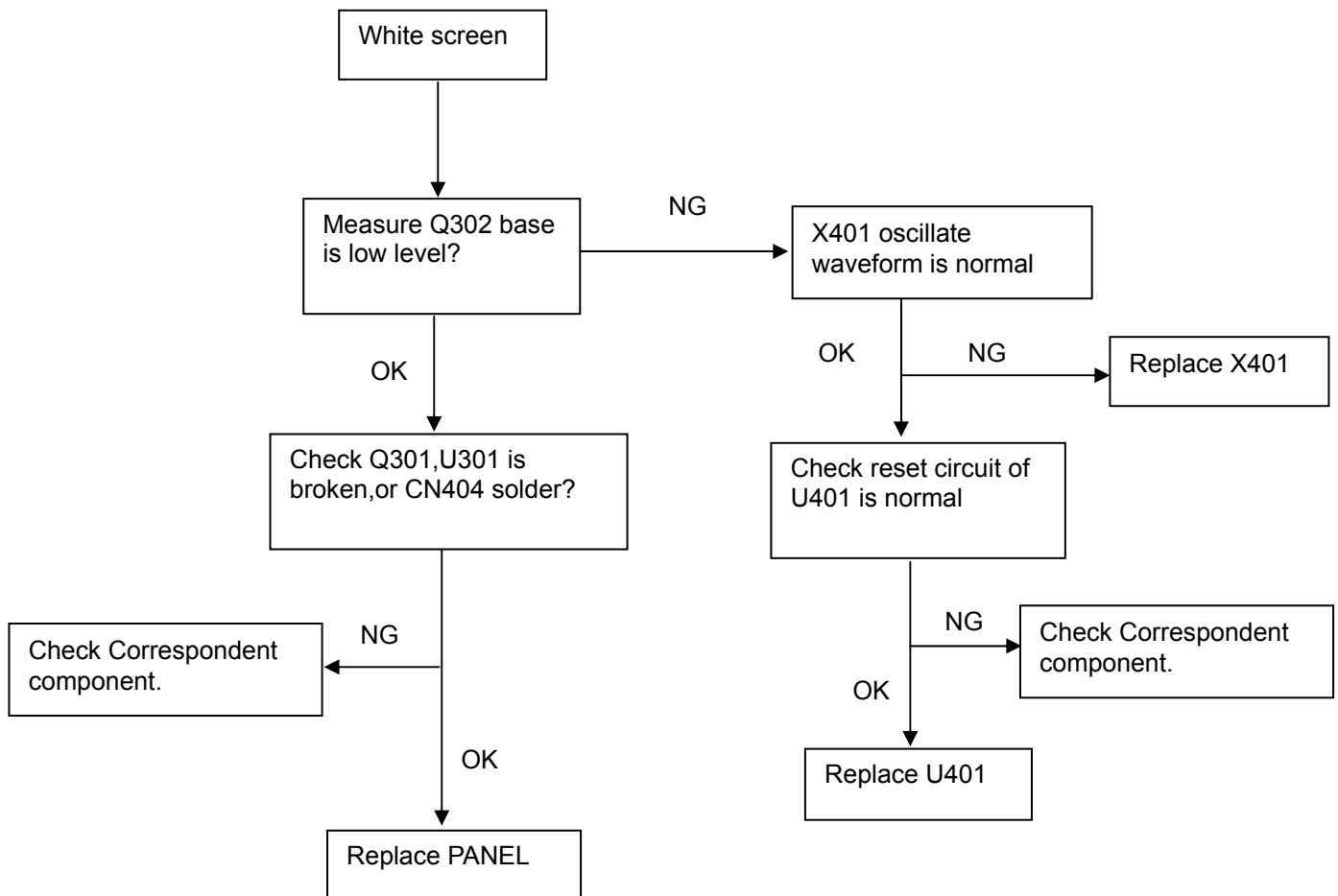
9.2.1 Main Board

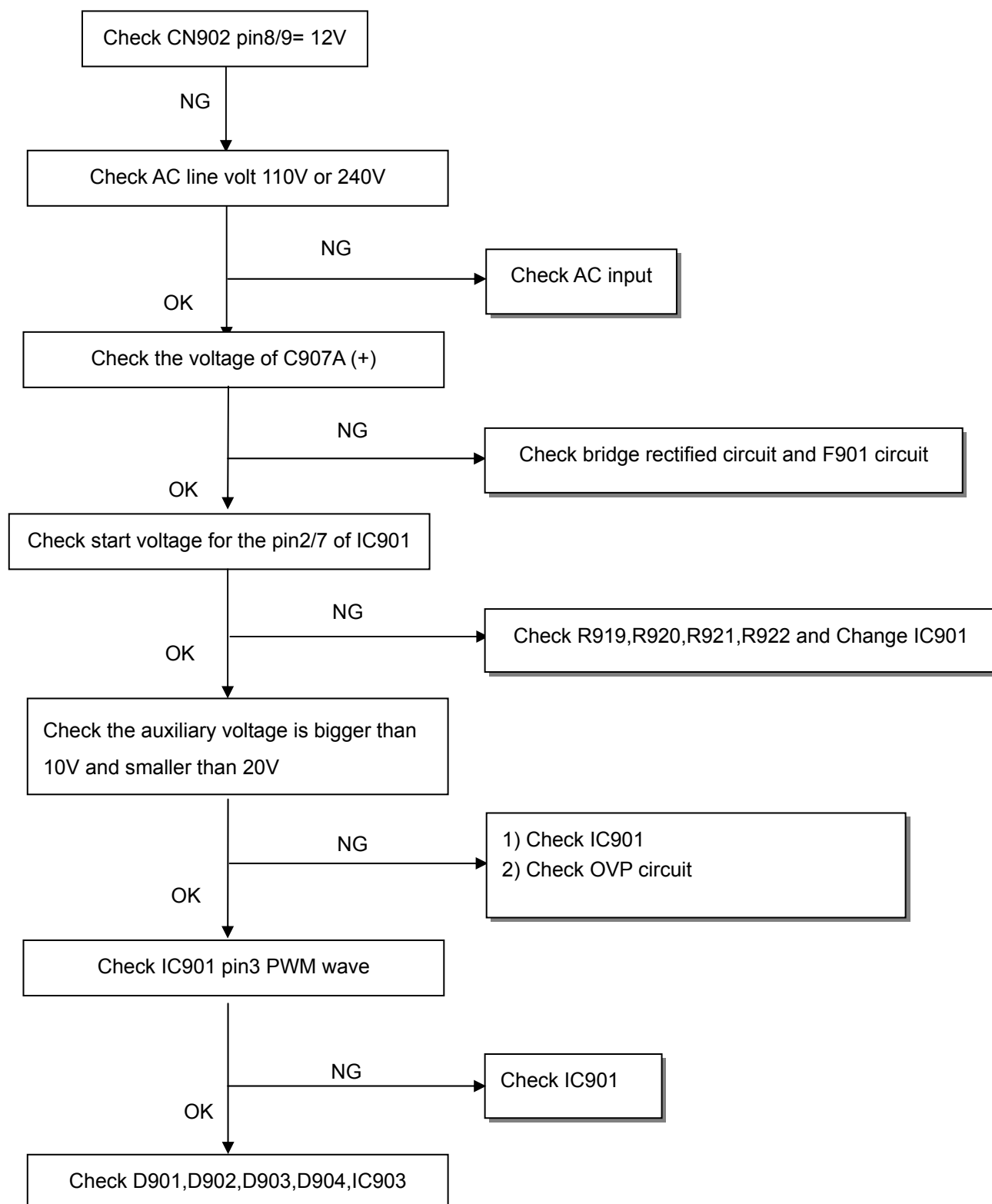
1. NO SCREEN APPEAR

No power



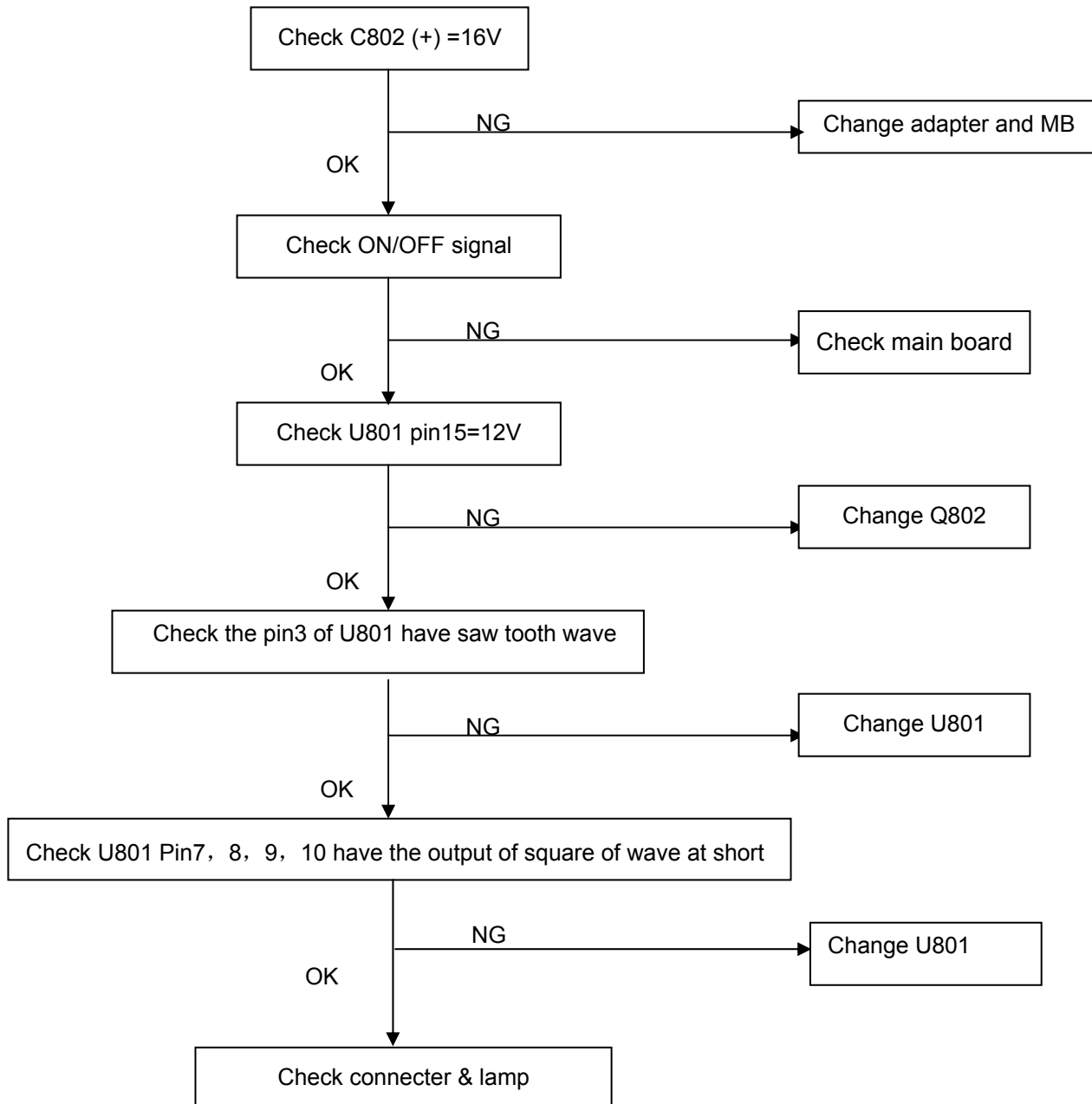
No picture (LED orange)

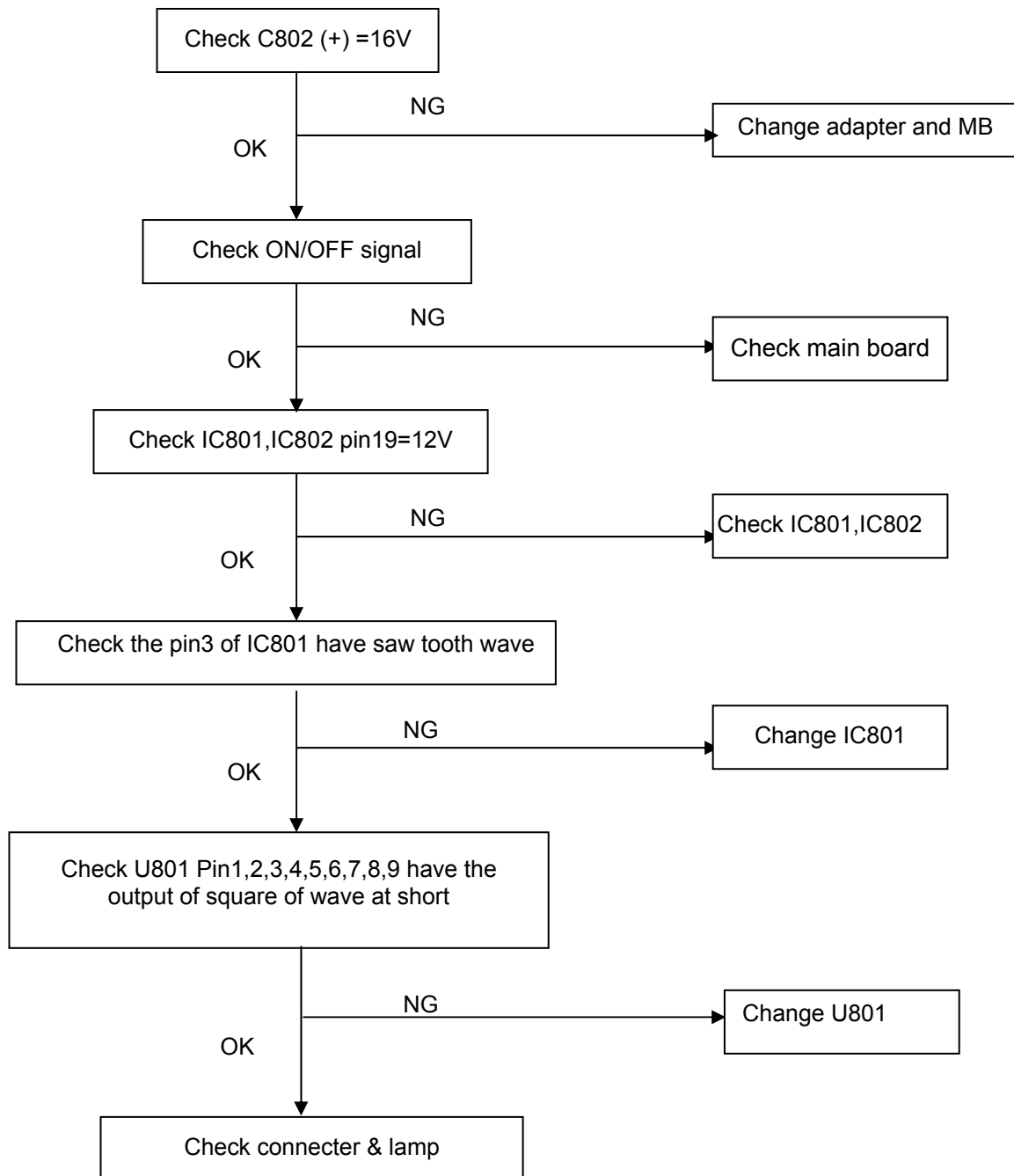
White Screen

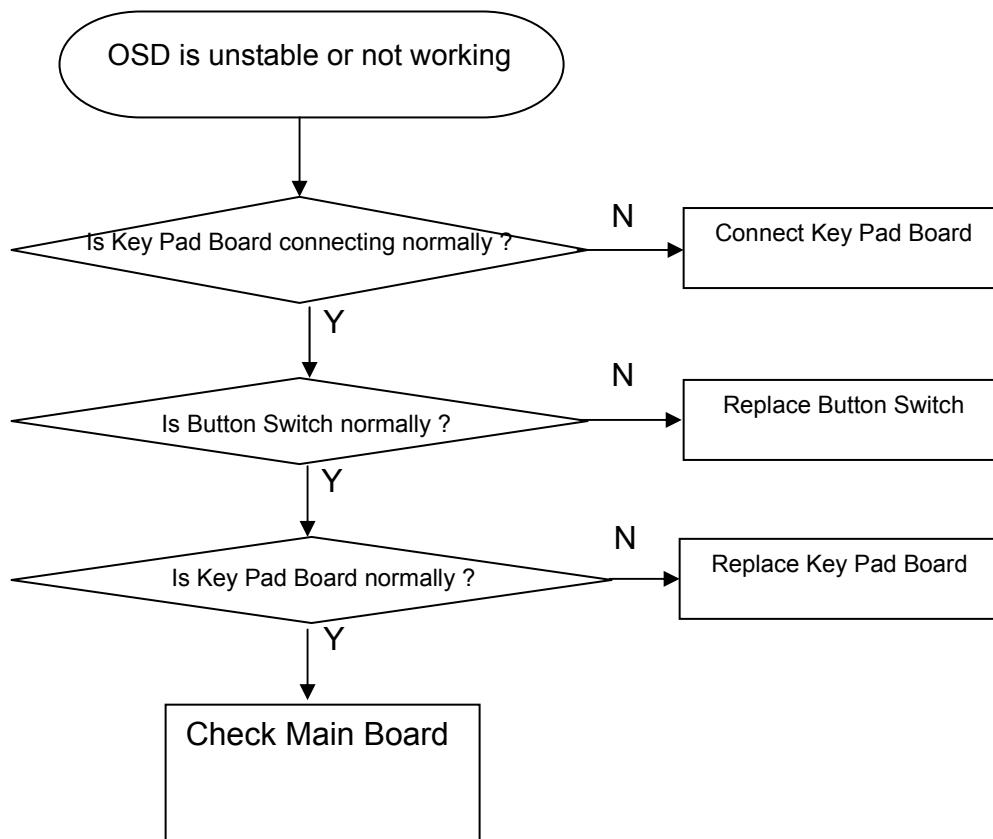
9.2.2 Power Board**1. No Power****715G3189P01LED001S & 715G3189P02LED001S**

2. W/LED No Backlight

715G3649P01000004S





9.2.3 Key Board

10.Firmware and DDC Instruction

ISP & DDC writing SOP

Please land <ftp://cs.tpv.com.cn/> to load relevant writing SOP in the related files.

Accounts: TPVSQZ

Code: TPVZGDLSQZ20090707

11. White- Balance, Luminance Adjustment

Approximately 30 minutes should be allowed for warm up before proceeding White-Balance adjustment.

1. How to do the Chroma-7120 MEM. Channel setting

A. Reference to chroma 7120 user guide

B. Use “**SC**” key and “**NEXT**” key to modify x, y, Y value and use “**ID**” key to modify the TEXT description Following is the procedure to do white-balance adjust

2. Setting the color temp. you want

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

6500K color temp. parameter is $x = 313 \pm 30$, $y = 329 \pm 30$, $Y = 200 \text{ cd/m}^2$

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

7300K color temp. parameter is $x = 302 \pm 30$, $y = 318 \pm 30$, $Y = 180 \text{ cd/m}^2$

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

9300K color temp. parameter is $x = 283 \pm 30$, $y = 297 \pm 30$, $Y = 170 \text{ cd/m}^2$

D. MEM.CHANNEL 10 (SRGB color):

SRGB color temp. parameter is $x = 313 \pm 30$, $y = 329 \pm 30$, $Y = 180 \text{ cd/m}^2$

3. Enter into the factory mode:

Turn off the power, then press $\wedge$ key, $\vee$ key and press the Power button at the same time, the next, press the Menu button, You will enter into the factory mode.

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 $x = 313 \pm 30$, $y = 329 \pm 30$, $Y = 200 \text{ cd/m}^2$
4. Adjust the RED on factory window until chroma 7120 indicator reached the value $R=100$
5. Adjust the GREEN on factory window until chroma 7120 indicator reached the value $G=100$
6. Adjust the BLUE on factory window until chroma 7120 indicator reached the value $B=100$
7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance $=100 \pm 5$

B. Adjust Normal (7300K) color-temperature

1. Switch the Chroma-7120 to **RGB-Mode** (with press “MODE” button)
2. Switch the MEM. Channel to Channel 4 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show $x = 302 \pm 30$, $y = 318 \pm 30$, $Y = 180 \text{ cd/m}^2$
4. Adjust the RED on factory window until chroma 7120 indicator reached the value $R=100$
5. Adjust the GREEN on factory window until chroma 7120 indicator reached the value $G=100$
6. Adjust the BLUE on factory window until chroma 7120 indicator reached the value $B=100$
7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance $=100 \pm 5$

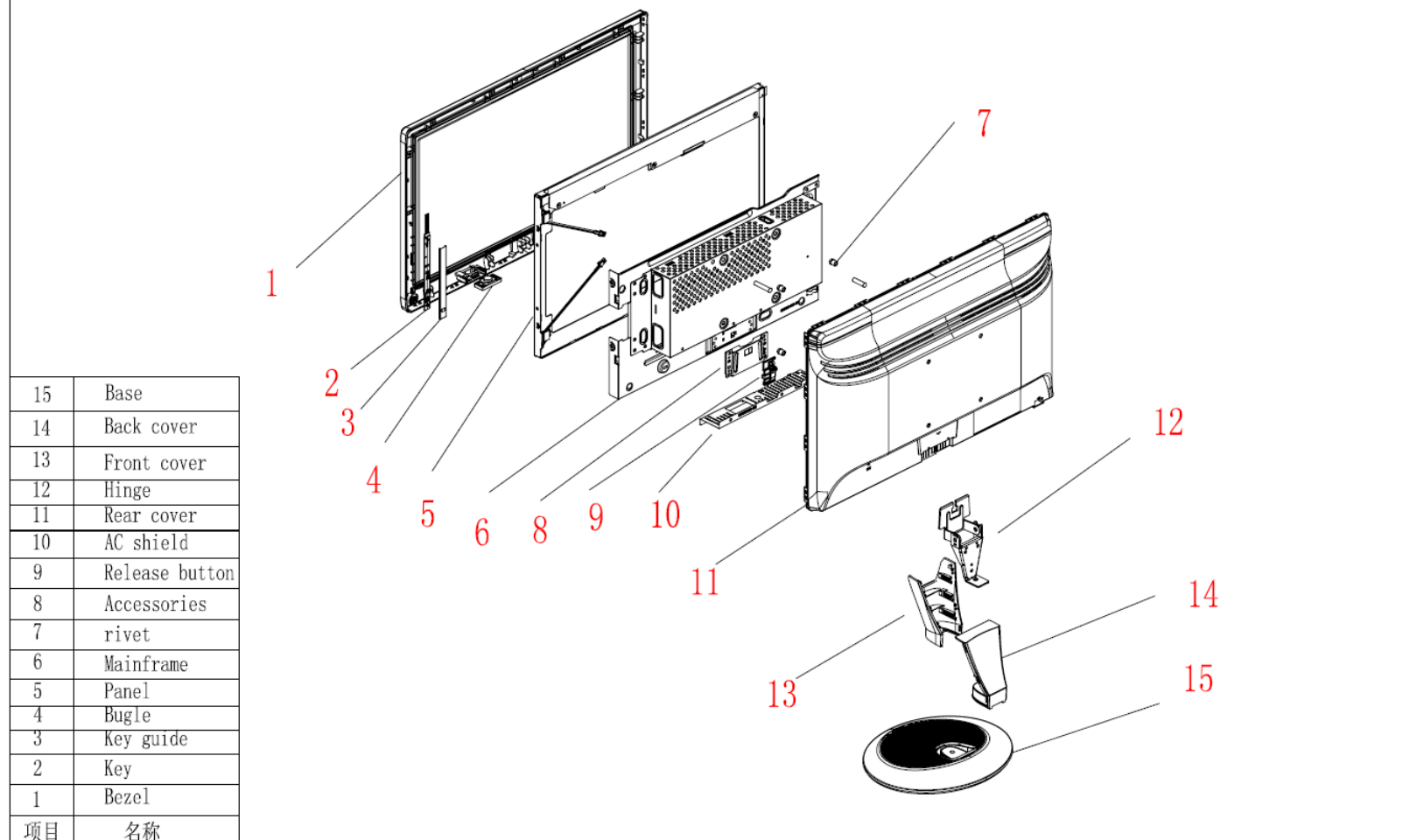
C. Adjust Cool (9300K) color-temperature

1. Switch the chroma-7120 to **RGB-Mode** (with press “MODE” button)

2. Switch the MEM.channel to Channel 9(with up or down arrow on chroma 7120)
 3. The LCD-indicator on chroma 7120 will show $x = 283 \pm 30$, $y = 297 \pm 30$, $Y = 170 \text{ cd/m}^2$
 4. Adjust the RED on factory window until chroma 7120 indicator reached the value $R=100$
 5. Adjust the GREEN on factory window until chroma 7120 indicator reached the value $G=100$
 6. Adjust the BLUE on factory window until chroma 7120 indicator reached the value $B=100$
 7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance $=100 \pm 5$
- D. Adjust SRGB color-temperature
1. Switch the chroma-7120 to **RGB-Mode** (with press "MODE" button)
 2. Switch the MEM.channel to Channel 10(with up or down arrow on chroma 7120)
 3. The LCD-indicator on chroma 7120 will show $x = 313 \pm 30$, $y = 329 \pm 30$, $Y = 180 \text{ cd/m}^2$
 4. Adjust the RED of color3 on factory window until chroma 7120 indicator reached the value $R=100$
 5. Adjust the GREEN of color3 on factory window until chroma 7120 indicator reached the value $G=100$
 6. Adjust the BLUE of color3 on factory window until chroma 7120 indicator reached the value $B=100$
 7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance $=100 \pm 5$
- E. Turn the Power-button off to quit from factory mode.

12. Monitor Exploded View

AOC e936** Explosion Flowchart



13. BOM List

Note: The parts information listed below are for reference only, and are subject to change without notice. Please go to <http://cs.tpv.com.cn/hello1.asp> for the latest information.

T892M6NM6WA1QNE

Location	Part NO.	Description	Remark
	040G 58162435A	P/N LABEL FOR MANUAL PE BAG	
	052G 1186	SMALL TAPE	
	052G 1208 A	ALUMINIUM TAPE	
	052G 1211 B	Conductive Tape 85mm *40mm *0.09mm	
	052G 1211550	ALUMINUM FOIL TAPE	
	052G 2191 A	PAPER TAPE	
HDCP-L	070GHDCP500HDC	HDCP CODE	
E08902	089G 715HAAE01	SIGNAL CABLE	
E08903	089G1745HAA 9	DVI CABLE 1.5M	
E08901	089G410A15N IS	POWER CORD WALL-OUT FOR UK	
E09508	095G8014 5XH09	HARNESS 5P(PLUG)-5P(2501) 200MM	
E09503	095G8014 7T588	HARNESS 7P(PLUG)-6P(C2003) 260MM	
E09501	095G8018 3TH55	HARNESS 30P-30P 140MM	
	0D1G1730 8120	SCREW	
	0M1G 130 5120	SCREW	
	705GH934024	18.5"LCD STAND-BASE ASS'Y	
E750	750GLV185B1141N000	PANEL TPM185B1-L01 C1D FQ TPV	
E750	750GMV185B1143N000	PANEL TPM185B1-L01 C1D WH TPV	2nd source
	ADPC91503HC3	ADAPTER BOARD	
	H16G0001003	EVA WASHER	
	H26G 800504 2A	barcode	
	H40G 18N61519A	e936Vw APD ID LABEL-BLACK	
	H40G 58161569A	USB LABEL	
	H40G 58261537A	e936Vw POP LABEL	
	H40G 58261538A	Win7 GOLD EPA LABEL	
	H40G 58261554A	e936Vw WW CARTON LABEL-BLACK	
	H41G7809615 8A	e936Vw QSG	
	H44G8018101	EPS 936S	
	H44G8018201	EPS 936S	
	H44G8018615 4A	e936Vw CARTON	
	H45G 77 6	PE PACKING	
	H45G 87 18 23	PE BAG FOR MONITOR	
	H70G200961537B	CD MANUAL	
	KEPC9HAB	KEY BOARD	
	LNPC98302HD1	CONVERTER BOARD	
	Q15G0413502	MAIN FRAME	
	Q34G0558AEDA2B0100	bezel L185WA-936	
	Q34G0559AEDAES0100	rearcover L185WA-936	
	Q45G 76 28 H A	PE BAG FOR MANUAL	
	Q45G 76 28V13 A	PE BAG	
	Q50G 4 10	TIE (Y1900221)	
	Q52G 1185 99	big carton tape for aoc	
	Q85G0118101	AOC 936S AC SHIELD	
	USB9HA3	USB BOARD	
	USB9HA4	USB BOARD	
	0Q1G1040 8120	SCREW	
	Q01G6064 1	screw	
	Q34G0560AED 1S0100	AOC-836 stand_front	
	Q34G0561AED 1S0100	AOC-936 stand_rear	
	Q34G0562AED 1S0130	AOC-936 base	

	Q37G0133011	AOC 936S HINGE	
	756GH9CB A1061	MAIN BOARD-CBPC9M6A1HE	
SMT9-U402	100GAMV8000W11	MCU ASS'Y-056G1133129	
GND3	009G6005 1	GROUND TERMINAL	
GND2	009G6005 1	GROUND TERMINAL	
GND1	009G6005 1	GROUND TERMINAL	
CN903	033G380210B Y L	CONN 2.0 10P	
	040G 45762412B	CBPC LABEL	
IC902	056G 139 7 1	IC EL817MA M-TYPE	
NR901	061G 58100 WD	RST NTCR 10 OHM +-20% 5A THINKING	
C904	063G107K2246S1	X2 CAP 0.22UF K 275VAC	
C903	065G306K3312B3	Y1 CAP 330PF K 250VAC CD	
C902	065G306K3312B3	Y1 CAP 330PF K 250VAC CD	
C900	065G306M1022BP	1000PF Y1.CAP	
C918	067G 3151007KV	ELCAP 10UF M 50V 105°C KINGNICH	
C907A	067G 40Z10115L	EC 100uF 450V M 18*36mm	
C912	067G215D6814LV	LOW ESR EC 680uF 25V M 10*20mm	
C914	067G215S4713LV	LOW ESR EC 470uF 16V M 10*12.5mm	
L901	073G 174 65 H2	LINE FILTER 30mH MIN	
L903	073G 253 91 H	CHOKO COIL	
L902	073G 253 91 H	CHOKO COIL	
T901	080GL19P 1 H	POWER X'FMR 1.1mH 10%	
CN901	087G 501 32 DL	AC SOCKET DIP 3PIN+2PIN GROUND	
D906	093G 60923	DIODE SR504-30 DO-201AD	
D904	093G 60923	DIODE SR504-30 DO-201AD	
D903	093G 60924	DIODE SR510-22 DO-201AD	
D905	093G 60924	DIODE SR510-22 DO-201AD	
CN902	095G 825 9W904	HARNESS 9P-9P 120mm	
E09502	095G801410WE05	HARNESS 10P-10P 140MM	
	705GQ956024	IC901 ASS'Y	
	AD91503HC3SMT	ADAPTER BOARD FOR SMT	
BD901	093G 50460 28	BRIDGE DIODE KBP208G LITEON	
CN402	033G3802 7B Y L	conn 2.0 7p	
CN701	033G3802 9B Y L	CONN 2.0 9P	
CN302	033G8027 30 H	WAFER 30P 2.0MM RIGHT ANGLE	
	040G 45762412B	CBPC LABEL	
R708	061G152M33964L SY	RST MOFR 3.3 OHM +-5% 2WS SHANG YU	
CN101	088G 35315F XH	D-SUB 15PIN VERTICAL CONN WITH SCREW	
CN102	088G 35424F D	DVI 24PIN CONN F ATTACHED SCREW	
X401	093G 2253B J	NXS14.31818AC32F-KAB10	
E09513	095G8022 6X504	HARNESS 6P-6P 200MM	
	A33G0564 2 1L0100	Key-Guide	
	Q52G 3 75	3M DOUBLE FACE TAPE	
	040G 45762412B	CBPC LABEL	
C814	067G 4151017LV	EC 100uF 20% 50V RZY 8*11.5	
C802	067G 4151017LV	EC 100uF 20% 50V RZY 8*11.5	
	LN98302HD1SMT	CONVERTER BOARD FOR SMT	
CN511	033G3802 5 BH L	CONNECTOR 5PIN	
CN512	088G 352 2 XH	USB CONN	
	715G2663 2	USB BOARD PCB	
CN501	033G3802 5B Y L	CONN 2.0 5P	
CN502	088G 351 2B XH	USB CONN	
IC901	056G 581 20	IC TOP255EN eSIP-7C	
	0M1G 930 8120	SCREW	
	Q11G0026 1	cable clip	
HS1	Q90G6263 6	HEAT SINK	

R628	061G0603000 JF	RST CHIPR MAX 0R05 1/10W FENGHUA	
R623	061G0603000 JF	RST CHIPR MAX 0R05 1/10W FENGHUA	
R917	061G06031001FT	RST CHIP 1K 1/10W 1%	
R913	061G06031002FT	RST CHIP 10K 1/10W 1%	
R912	061G0603103 JW	RST CHIP 10K 1/10W 5% WAL SIN	
R916	061G0603471 JT	RST CHIPR 470OHM +-5% 1/10W TZAI YUAN	
R915	061G06039311FT	RST CHIPR 9.31k 1% 1/10W	
R923	061G0805103 JT	RST CHIPR 10K OHM +- 5% 1/8W TZAI YUAN	
R903	061G08051102FT	RST CHIP 11K 1/8W 1%	
R924	061G0805689 JT	RST CHIPR 6.8R +-5% 1/8W TZAI YUAN	
R925	061G08058202FT	RST CHIPR 82K +-1% 1/8W TZAI YUAN	
R927	061G12060004JT	RST CHIP MAX 0R05 1/4W TZAI YUAN	
R910	061G1206101 JT	RST CHIPR 100 OHM +-5% 1/4W TZAI YUAN	
R926	061G1206229 JT	RST CHIPR 2R2 +-5% 1/4W TZAI YUAN	
R909	061G1206300 JT	RST CHIPR 30 OHM 1/4W TZAI YUAN	
R908	061G1206300 JT	RST CHIPR 30 OHM 1/4W TZAI YUAN	
R907	061G1206300 JT	RST CHIPR 30 OHM 1/4W TZAI YUAN	
R906	061G1206300 JT	RST CHIPR 30 OHM 1/4W TZAI YUAN	
R905	061G1206300 JT	RST CHIPR 30 OHM 1/4W TZAI YUAN	
R904	061G1206300 JT	RST CHIPR 30 OHM 1/4W TZAI YUAN	
R920	061G1206335 JT	RST CHIPR 3.3 MOHM +-5% 1/4W TZAI YUAN	
R921	061G1206335 JT	RST CHIPR 3.3 MOHM +-5% 1/4W TZAI YUAN	
R922	061G1206335 JT	RST CHIPR 3.3 MOHM +-5% 1/4W TZAI YUAN	
R900	061G1206624 JT	RST CHIPR 620 KOHM +-5% 1/4W TZAI YUAN	
R901	061G1206624 JT	RST CHIPR 620 KOHM +-5% 1/4W TZAI YUAN	
R902	061G1206624 JT	RST CHIPR 620 KOHM +-5% 1/4W TZAI YUAN	
C916	065G060310312K F	CAP CHIP 0603 10NF K 16V X7R	
C905	065G080510432K F	CAP CHIP 0805 0.1UF K 50V X7R	
C915	065G080510432K Y	CAP CHIP 0805 100N 50V X7R +/-10%	
C917	065G080510432K Y	CAP CHIP 0805 100N 50V X7R +/-10%	
C901	065G080582031J F	CAP CHIP 0805 82PF J 50V NPO	
C910	065G1206222B2K T	CAP CHIP 1206 2200PF K 630V X7R	
C911	065G1206222B2K T	CAP CHIP 1206 2200PF K 630V X7R	
C919	065G1206222B2K T	CAP CHIP 1206 2200PF K 630V X7R	
C920	065G1206222B2K T	CAP CHIP 1206 2200PF K 630V X7R	
	AD91503HC3AI	ADAPTER BOARD FOR AI	
C419	067G 3151007KB	EC 10uF M 50V 5*11	
C305	067G 3151014KB	EC 100uF M 25V 6.3*11	
C707	067G 3151014KB	EC 100uF M 25V 6.3*11	
C704	067G 3151014KB	EC 100uF M 25V 6.3*11	
U401	056G 562703	IC TSUM5PLHL-LF PQFP-100 MSTAR	
U703	056G 563 31	IC AZ1117D-1.8-E1	
U701	056G 563514	IC AZ1117H-3.3TRG1 1A/3.3V SOT223	
U103	056G 662502	IC ESD AZC199-04S SOT23-6L	
U104	056G 662502	IC ESD AZC199-04S SOT23-6L	
U105	056G 662502	IC ESD AZC199-04S SOT23-6L	
U106	056G 662502	IC ESD AZC199-04S SOT23-6L	
U107	056G 662502	IC ESD AZC199-04S SOT23-6L	
U402	056G1133129	IC EN25F20-100GCP 2Mb SOP-8	
U101	056G1133918	IC AT24C02BN-SH-T 8-SOIC	
U102	056G1133918	IC AT24C02BN-SH-T 8-SOIC	
Q302	057G 417 12 T	KEC 2N3904S-RTK/PS	
Q701	057G 417 12 T	KEC 2N3904S-RTK/PS	
Q405	057G 417 13 T	KEC 2N3906S-RTK/PS	
Q401	057G 417518	TRA LMBT3904LT1G 200mA/40V SOT-23 LRC	
Q301	057G 763 1	A03401 SOT23 BY AOS(A1)	

R452	061G0402000	RST CHIP MAX 0R05 1/16W	
R419	061G0402000	RST CHIP MAX 0R05 1/16W	
R418	061G0402000	RST CHIP MAX 0R05 1/16W	
R414	061G0402000	RST CHIP MAX 0R05 1/16W	
R428	061G0402000 JY	RST CHIPR 0 OHM +-5% 1/16W YAGEO	
R134	061G0402100 JY	RST CHIPR 10 OHM +-5% 1/16W YAGEO	
R132	061G0402100 JY	RST CHIPR 10 OHM +-5% 1/16W YAGEO	
R131	061G0402100 JY	RST CHIPR 10 OHM +-5% 1/16W YAGEO	
R130	061G0402100 JY	RST CHIPR 10 OHM +-5% 1/16W YAGEO	
R129	061G0402100 JY	RST CHIPR 10 OHM +-5% 1/16W YAGEO	
R128	061G0402100 JY	RST CHIPR 10 OHM +-5% 1/16W YAGEO	
R127	061G0402100 JY	RST CHIPR 10 OHM +-5% 1/16W YAGEO	
R126	061G0402100 JY	RST CHIPR 10 OHM +-5% 1/16W YAGEO	
R117	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R118	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R119	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R409	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R415	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R416	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R417	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R706	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R115	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R114	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R113	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R111	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R109	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R105	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R101	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R423	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R705	061G0402102 JY	RST CHIPR 1KOHM +-5% 1/16W YAGEO	
R404	061G0402102 JY	RST CHIPR 1KOHM +-5% 1/16W YAGEO	
R402	061G0402102 JY	RST CHIPR 1KOHM +-5% 1/16W YAGEO	
R104	061G0402102 JY	RST CHIPR 1KOHM +-5% 1/16W YAGEO	
R103	061G0402102 JY	RST CHIPR 1KOHM +-5% 1/16W YAGEO	
R703	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R702	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R436	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R412	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R407	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R308	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R305	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R135	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R133	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R120	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R421	061G0402104 JY	RST CHIPR 100KOHM +-5% 1/16W YAGEO	
R107	061G0402222 JY	RST CHIPR 2.2KOHM +-5% 1/16W YAGEO	
R106	061G0402222 JY	RST CHIPR 2.2KOHM +-5% 1/16W YAGEO	
R304	061G0402223 JY	RST CHIPR 22KOHM +-5% 1/16W YAGEO	
R406	061G0402223 JY	RST CHIPR 22KOHM +-5% 1/16W YAGEO	
R704	061G0402223 JY	RST CHIPR 22KOHM +-5% 1/16W YAGEO	
R401	061G04023900FY	RST CHIPR 390 OHM +-1% 1/16W YAGEO	
R433	061G04023901FY	RST CHIPR 3.9KOHM 1% 1/16W YAGEO	
R432	061G04023901FY	RST CHIPR 3.9KOHM 1% 1/16W YAGEO	
R110	061G0402471 JY	RST CHIPR 470OHM +-5% 1/16W YAGEO	
R303	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R138	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	

R137	061G0402472 JY		RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R136	061G0402472 JY		RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R125	061G0402472 JY		RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R124	061G0402472 JY		RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R123	061G0402472 JY		RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R306	061G0402563 JY		RST CHIPR 56KOHM 1/16W YAGEO	
R139	061G0402682 JY		RST CHIPR 6.8KOHM +-5% 1/16W YAGEO	
R116	061G0402750 JY		RST CHIPR 75OHM +-5% 1/16W YAGEO	
R112	061G0402750 JY		RST CHIPR 75OHM +-5% 1/16W YAGEO	
R108	061G0402750 JY		RST CHIPR 75OHM +-5% 1/16W YAGEO	
R102	061G0603000 JF		RST CHIPR MAX 0R05 1/10W FENGHUA	
R405	061G0603000 JF		RST CHIPR MAX 0R05 1/10W FENGHUA	
R461	061G0603000 JF		RST CHIPR MAX 0R05 1/10W FENGHUA	
R456	061G0603220 JF		ST CHIPR 22 OHM +-5% 1/10W FENGHUA	
R301	061G1206221 JF		RST CHIPR 220 OHM +-5% 1/4W FENGHUA	
R302	061G1206221 JF		RST CHIPR 220 OHM +-5% 1/4W FENGHUA	
C122	065G040210232K A		CAP 0402 1NF K 50V X7R	
C121	065G040210232K A		CAP 0402 1NF K 50V X7R	
C107	065G040210232K A		CAP 0402 1NF K 50V X7R	
C412	065G040210412K A		CAP CHIP 0402 100nF K 16V X7R	
C413	065G040210412K A		CAP CHIP 0402 100nF K 16V X7R	
C414	065G040210412K A		CAP CHIP 0402 100nF K 16V X7R	
C415	065G040210412K A		CAP CHIP 0402 100nF K 16V X7R	
C417	065G040210412K A		CAP CHIP 0402 100nF K 16V X7R	
C422	065G040210412K A		CAP CHIP 0402 100nF K 16V X7R	
C432	065G040210412K A		CAP CHIP 0402 100nF K 16V X7R	
C701	065G040210412K A		CAP CHIP 0402 100nF K 16V X7R	
C702	065G040210412K A		CAP CHIP 0402 100nF K 16V X7R	
C705	065G040210412K A		CAP CHIP 0402 100nF K 16V X7R	
C708	065G040210412K A		CAP CHIP 0402 100nF K 16V X7R	
C709	065G040210412K A		CAP CHIP 0402 100nF K 16V X7R	
C713	065G040210412K A		CAP CHIP 0402 100nF K 16V X7R	
C411	065G040210412K A		CAP CHIP 0402 100nF K 16V X7R	
C416	065G040210412K A		CAP CHIP 0402 100nF K 16V X7R	
C115	065G040210412K A		CAP CHIP 0402 100nF K 16V X7R	
C124	065G040210412K A		CAP CHIP 0402 100nF K 16V X7R	
C301	065G040210412K A		CAP CHIP 0402 100nF K 16V X7R	
C304	065G040210412K A		CAP CHIP 0402 100nF K 16V X7R	
C403	065G040210412K A		CAP CHIP 0402 100nF K 16V X7R	
C404	065G040210412K A		CAP CHIP 0402 100nF K 16V X7R	
C405	065G040210412K A		CAP CHIP 0402 100nF K 16V X7R	
C406	065G040210412K A		CAP CHIP 0402 100nF K 16V X7R	
C407	065G040210412K A		CAP CHIP 0402 100nF K 16V X7R	
C408	065G040210412K A		CAP CHIP 0402 100nF K 16V X7R	
C409	065G040210412K A		CAP CHIP 0402 100nF K 16V X7R	
C410	065G040210412K A		CAP CHIP 0402 100nF K 16V X7R	
C436	065G0402105A5K A		CAP CHIP 0402 1UF K 10V X5R	
C104	065G040222031J Y		CAP CHIP 0402 22P 50V NPO +/-5%	
C103	065G040222031J Y		CAP CHIP 0402 22P 50V NPO +/-5%	
C116	065G040222417Z Y		CAP CHIP 0402 220nF 16V Y5V	
C117	065G040222417Z Y		CAP CHIP 0402 220nF 16V Y5V	
C302	065G040222417Z Y		CAP CHIP 0402 220nF 16V Y5V	
C401	065G040222417Z Y		CAP CHIP 0402 220nF 16V Y5V	
C420	065G040247031J Y		CAP CHIP 0402 47pF 50V NPO +/-5%	
C421	065G040247031J Y		CAP CHIP 0402 47pF 50V NPO +/-5%	
C114	065G040247312K A		8.31HIP 0402 47nF K 16V X7R	

C111	065G040247312K	A	8.31HIP 0402 47nF K 16V X7R
C110	065G040247312K	A	8.31HIP 0402 47nF K 16V X7R
C108	065G040247312K	A	8.31HIP 0402 47nF K 16V X7R
C106	065G040247312K	A	8.31HIP 0402 47nF K 16V X7R
C102	065G040247312K	A	8.31HIP 0402 47nF K 16V X7R
C113	065G040250931J	A	CAP 0402 5PF J 50 NPO
C109	065G040250931J	A	CAP 0402 5PF J 50 NPO
C105	065G040250931J	A	CAP 0402 5PF J 50 NPO
C303	065G060310512K	A	CAP CHIP 0603 1UF K 16V X7R
C402	065G0805475A5K	T	CAP CHIP 0805 4.7UF K 10V X5R
FB301	071G 56K121	M	CHIP BEAD
FB410	071G 56V301	B	CHIP BEAD FCM2012VF-301T07 bullwill
FB404	071G 56V301	B	CHIP BEAD FCM2012VF-301T07 bullwill
FB402	071G 56V301	B	CHIP BEAD FCM2012VF-301T07 bullwill
FB401	071G 56V301	B	CHIP BEAD FCM2012VF-301T07 bullwill
FB104	071G 59G301		CHIP BEAD 300OHM
FB105	071G 59G301		CHIP BEAD 300OHM
FB110	071G 59G301		CHIP BEAD 300OHM
FB103	071G 59K190	B	19 OHM BEAD
FB102	071G 59K190	B	19 OHM BEAD
FB101	071G 59K190	B	19 OHM BEAD
D104	093G 64 42 PP		BAV70 SOT-23
D108	093G 64 42 PP		BAV70 SOT-23
ZD104	093G 39GA01	T	RLZ5.6B
	715G3329	1 2	MAIN BOARD PCB
CN001	033G8034 6H	H X	WAFER 1.0mm SMT 6P
U001	056G 665 43		IC CY8C20180-LDX2I QFN-16(COL)
R012	061G0603000		RST CHIP MAX 0R05 1/10W
R009	061G0603000		RST CHIP MAX 0R05 1/10W
R008	061G0603000		RST CHIP MAX 0R05 1/10W
R001	061G0603000		RST CHIP MAX 0R05 1/10W
R002	061G0603101		RST CHIPR 100 OHM +-5% 1/10W
R005	061G0603561		RST CHIPR 560 OHM +-5% 1/10W
R006	061G0603561		RST CHIPR 560 OHM +-5% 1/10W
R007	061G0603561		RST CHIPR 560 OHM +-5% 1/10W
R004	061G0603561		RST CHIPR 560 OHM +-5% 1/10W
C001	065G0603102 31		CHIP 1000PF 50V NPO
C002	065G0603225 A5		CHIP 2.2uF 10V X5R
LED001	081G15BY	2 GP	LED GPTD1204BOC1-A GP
ZD004	093G 39S 34	T	UDZSNP5.6B ROHM
ZD005	093G 39S 34	T	UDZSNP5.6B ROHM
	715G3371	2	KEY BOARD PCB
CN803	033G8021 2T	U	CONNECTOR
CN802	033G8021 2T	U	CONNECTOR
CN801	033G803210F	HR	CONNECTOR
U801	056G 379153		IC OZ9954SN SSOP-20
Q804	057G 41717B	T	tra PZT2907A PHILIPS
Q803	057G 41717B	T	tra PZT2907A PHILIPS
Q801	057G 759	2	RK7002FD5T116 SOT-23 BY ROHM
Q802	057G 763	6	AO4828 SOIC-8 BY AOS
R810	061G0603000	JT	RST CHIP MAX 0R05 1/10W TZAI YUAN
R811	061G0603100	JT	RST CHIP 10R 1/10W 5% TZAI YUAN
R805	061G0603103	JT	RST CHIP 10K 1/10W 5% TZAI YUAN
R806	061G0603103	JT	RST CHIP 10K 1/10W 5% TZAI YUAN
R807	061G0603103	JT	RST CHIP 10K 1/10W 5% TZAI YUAN
R808	061G0603103	JT	RST CHIP 10K 1/10W 5% TZAI YUAN

R809	061G0603103 JT	RST CHIP 10K 1/10W 5% TZAI YUAN	
R801	061G0603103 JT	RST CHIP 10K 1/10W 5% TZAI YUAN	
R804	061G0603104 JT	RST CHIP 100K 1/10W 5% TZAI YUAN	
R802	061G0603104 JT	RST CHIP 100K 1/10W 5% TZAI YUAN	
R819	061G0603124 JT	RST CHIP 120K 1/10W 5% TZAI YUAN	
R815	061G0603229 JT	RST CHIPR 2.2OHM 1/10W TZAI YUAN	
R817	061G0603229 JT	RST CHIPR 2.2OHM 1/10W TZAI YUAN	
R816	061G06035108FT	bST CHIPR 0603 5.1 OHM +-1% 1/10W	
R818	061G06035108FT	bST CHIPR 0603 5.1 OHM +-1% 1/10W	
R803	061G0805100 JT	RST CHIP 10R 1/8W 5% TZAI YUAN	
R812	061G0805101 JT	RST CHIP 100R 1/8W 5% TZAI YUAN	
R813	061G0805512 JT	RST CHIPR 5K1 +-5% 1/8W TZAI YUAN	
R814	061G0805512 JT	RST CHIPR 5K1 +-5% 1/8W TZAI YUAN	
R820	061G1206000 JT	RST CHIPR MAX0R05 1/4W TZAI YUAN	
F801	061G12060004JT	RST CHIP MAX 0R05 1/4W TZAI YUAN	
C810	065G060310131J A	CAP CHIP 0603 100PF J 50V NPO SAMSUNG	
C808	065G060310131J A	CAP CHIP 0603 100PF J 50V NPO SAMSUNG	
C803	065G060310232K Y	CAP CHIP 0603 1N 50V X7R +/-10%	
C809	065G080510322K F	CAP CHIP 0805 10NF K 25V X7R	
C806	065G080510322K F	CAP CHIP 0805 10NF K 25V X7R	
C804	065G080510322K F	CAP CHIP 0805 10NF K 25V X7R	
C812	065G080510432K Y	CAP CHIP 0805 100N 50V X7R +/-10%	
C801	065G080510432K Y	CAP CHIP 0805 100N 50V X7R +/-10%	
C805	065G080510522K 3	CAP CHIP 0805 1U 25V X7R +/-10%	
C811	065G080522131J F	CAP CHIP 0805 220PF J 50V NPO	
C807	065G080522512K 3	CAP CHIP 0805 2U2 16V X7R +/-10%	
L801	073G253S 80 H	SMD CHOKE 22uH 2.16A SPI103LRR-220	
ZD801	093G 60S 31 T	DIODE B360B 3A/60V SMB	
	715G3649P01000004S	CONVERTER BOARD PCB	
C503	065G0603104 12	CER2 0603 X7R 16V 100N P	
C501	065G0603509 31	CHIP 5PF +-0.5PF 50V NPO	
C502	065G0603509 31	CHIP 5PF +-0.5PF 50V NPO	
FB501	071G 56K121 M	CHIP BEAD	
	715G3501 2	USB BOARD PCB	
CN901	006G 31500	EYELET	
IC903	056G 158 10 T	IC AS431AZTR-E1 TO-92	
Q901	057G 530503 T	2SD1207T	
R919	061G152M10452T SY	RST MOFR 100KOHM +-5% 2WS FUTABA	
R918	061G152M25152T SY	RST MOFR 250 OHM +-5% 2WS	
C906	065G 2K152 2T6921	CAP CER 1500pF K 2KV Y5P	
C913	067G 2046812KT	CS CAP 680uF 10V 8*11 mm	
C908	067G 2154707NT	KY50VB47M-TP5 6.3*11	
FB902	071G 55 9 T	FERRITE BEAD	
FB603	071G 55 29	FERRITE BEAD	
F901	084G 55 5	FUSE 2.50A 250V	
F902	084G 56 4W	FUSE 4.0A 250V	
ZD902	093G 3916752T	MTZJ T-72 16B	
ZD901	093G 39A0852T	GDZJ18B	
D902	093G 6026T52T	RECTIFIER DIODE FR107	
D901	093G 6038T52T	FR103	
J906	095G 90 23	JUMPER WIRE	
J905	095G 90 23	JUMPER WIRE	
J601	095G 90 23	JUMPER WIRE	
J904	095G 90 23	JUMPER WIRE	
J903	095G 90 23	JUMPER WIRE	
J902	095G 90 23	JUMPER WIRE	

18.5" LCD Color Monitor

AOC e936Vw

J900	095G 90 23	JUMPER WIRE	
J616	095G 90 23	JUMPER WIRE	
J615	095G 90 23	JUMPER WIRE	
J609	095G 90 23	JUMPER WIRE	
J608	095G 90 23	JUMPER WIRE	
	715G3189P01LED001S	ADAPTER BOARD PCB	