Service
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Service Manual

Horizontal Frequency
30-83 KHz

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SAFETY NOTICE

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

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

Revision List

Version	Release Date	Revision History	TPV Model Name
A00	Jan.12, 2007	Initial release	TC6MMADBWQA5HP
			TC6MMANQWQACHP
			TC6MMANPWQXMHP

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.)

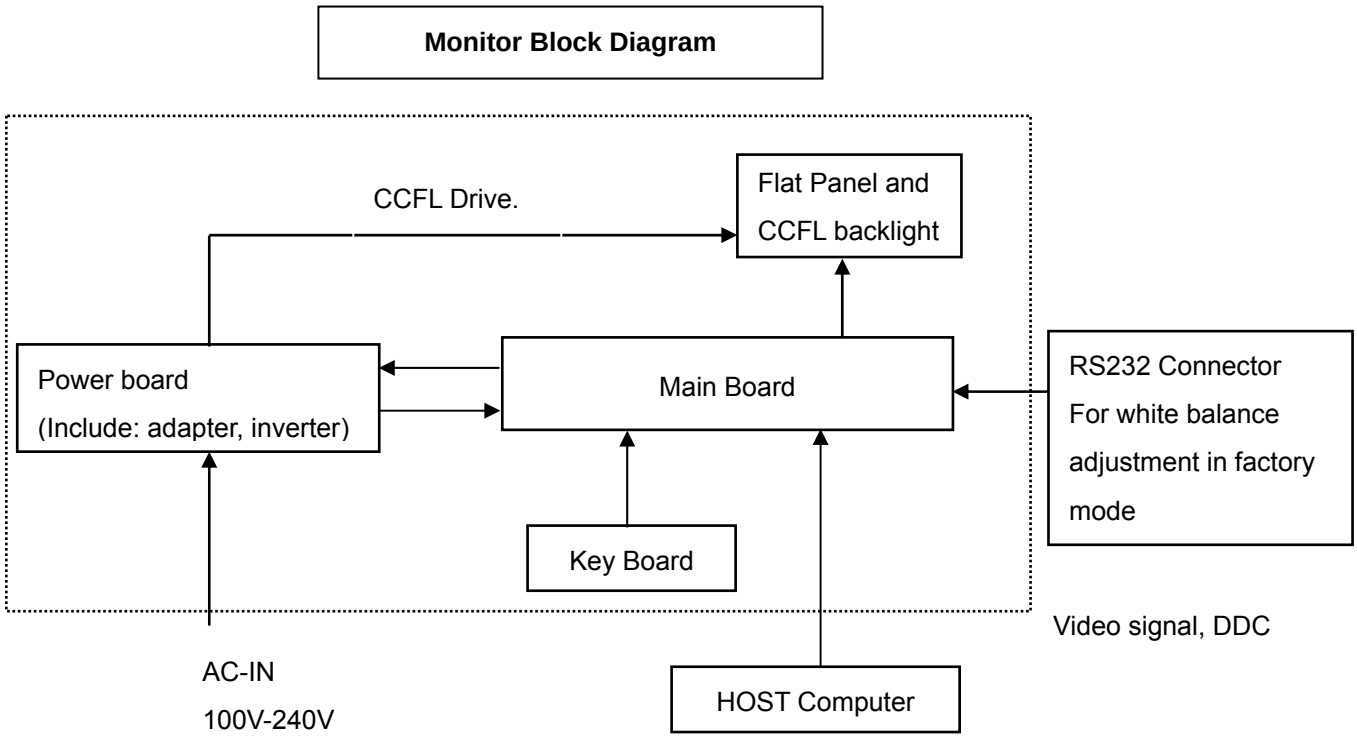
1. Monitor Specifications

LCD Panel	Driving system	TFT Color LCD
	Size	558mm (22")
	Pixel pitch	0.282mm(H)x 0.282mm(V)
	Response time (type)	5ms for CMO panel
	Viewable angle	170˚ (H) 160˚ (V)
	Video	R,G,B Analog Interface
Input	Sync. Type	H/V TTL
	H-Frequency	30kHz – 83kHz
	V-Frequency	55-75Hz
Power Consumption	Active	<49W
	Standby	<1W
Display Color	16.7M	
Dot Clock	165MHz	
Contrast Ratio	700:1	
White Luminance	300cd/m^2	
Max. Resolution	1680 x 1050	
Plug & Play	VESA DDC2B™	
Power Source	100~240VAC,47~63Hz	
Input Connector	15-pin Mini D-Sub	
Input Video Signal	Analog:0.7Vp-p(standard),75 OHM, Positive	
Maximum Screen Size	Horizontal : 473.76mm Vertical: 296.1mm	
Environmental Considerations	Operating Temp:0°C to 50°C Storage Temp: -20°C to 60°C Operating Humidity: 10% to 80%	

2. LCD Monitor Description

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

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



3. Operating Instructions

3.1 General Instructions

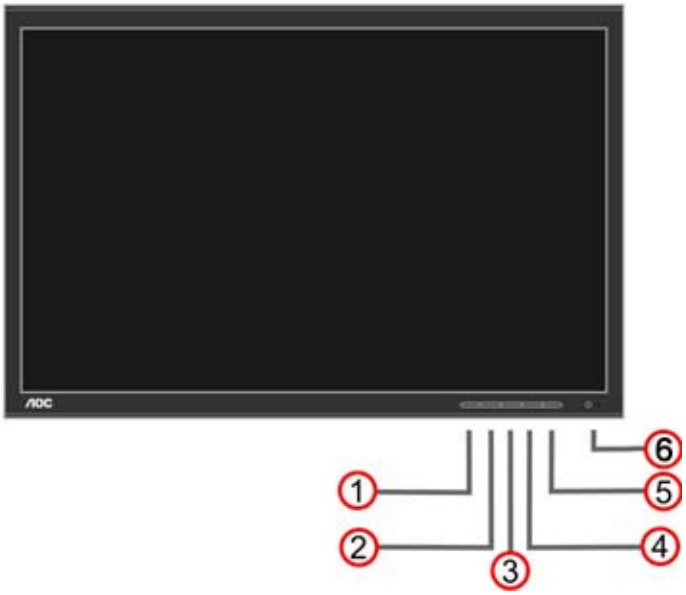
Press the power button to turn the monitor on or off. The other control buttons are located at the front of the panel of the monitor.

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



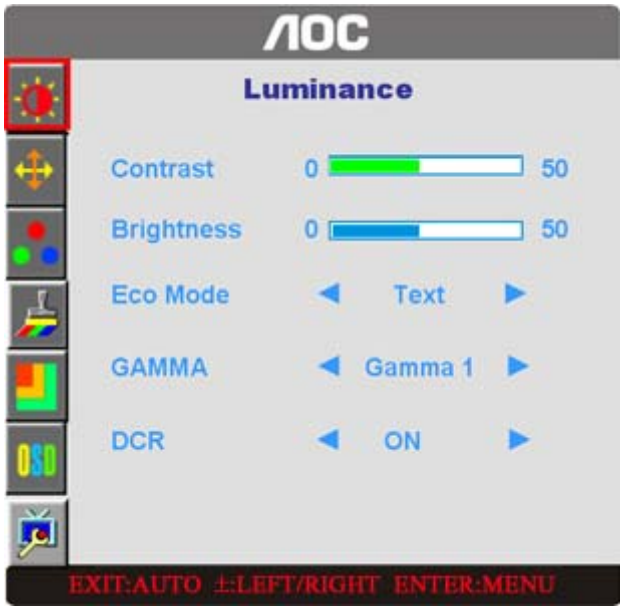
3.2.2 Key Function

1. DDC-CI
2. Auto Config
3. Eco Mode/ down
4. Up
5. Menu / Enter
6. Power Button & Indicator

OSD Settings

- Press DDC-CI button continuously for 7 seconds to turn on the DDC-CI function.
- Press the MENU-button to activate the OSD window.
- Press+ or - to navigate through the functions. Once the desired function is highlighted, press the MENU button to activate it. If the function selected has a sub-menu, press or again to navigate through the sub-menu functions. Once the desired function is highlighted, press MENU-button to activate it.
- Press+ or - to change the settings of the selected function. To exit and save, select the exit function. If you want to adjust any other function, repeat steps 2-3.
- 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.

3.3 OSD Menu



Function Control Illustration

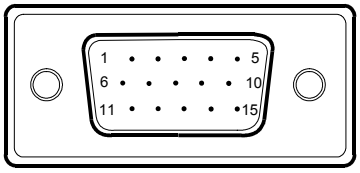
	Luminance		
	Brightness		Backlight Adjustment
	Contrast		Contrast from Digital-register.
	Eco mode	Standard	Standard Mode
		Text	Text Mode
		Internet	Internet Mode
		Game	Game Mode
		Movie	Movie Mode
		Sports	Sports Mode
	Gamma	Gamma1	Adjust to Gamma1
		Gamma2	Adjust to Gamma 2
		Gamma3	Adjust to Gamma 3
	DCR	Off	Disable dynamic contrast ratio
		On	Enable dynamic contrast ratio
	Image Setup		
	Clock		Adjust picture Clock to reduce Vertical-Line noise.
	Focus		Adjust Picture Phase to reduce Horizontal-Line noise
	H.Position		Adjust the verticalposition of the picture.
	V.Position		Adjust the horizontal 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	User-B	Blue Gain from Digital-register
		User-G	Green Gain Digital-register.
		User-R	Red Gain from Digital-register
		User-Y	Yellow Gain from Digital-register
		User-C	Cyan Gain from Digital-register
		User-M	Magenta Gain from Digital-register
	Color Boost		
	Full Enhance	on or off	Disable or Enable Full Enhance Mode
	Nature Skin	on or off	Disable or Enable Nature Skin Mode
	Green Field	on or off	Disable or Enable Green Field Mode
	Sky-blue	on or off	Disable or Enable Sky-blue Mode
	AutoDetect	on or off	Disable or Enable AutoDetect Mode
	Demo	on or off	Disable or Enable Demo
	Picture Boost		
	Frame Size		Adjust Frame Size
	Brightness		Adjust Frame Brightness
	Contrast		Adjust Frame Contrast
	Hue		Adjust Frame Hue
	Saturation		Adjust Frame Saturation
	Position		Adjust Frame Position
	Bright Frame	on or off	Disable or Enable Bright Frame
	OSD Setup		
	H.Position		Adjust the verticalposition of OSD
	V.Position		Adjust the horizontal position of OSD
	Timeout		Adjust the OSD Timeout
	Language		Select the OSD language
	Extra		
	Input Select	Digital	Select Digital Sigal Source as Input
		Analog	Select Analog Sigal Source as Input
	Auto Config		Auto adjust the picture to default
	Reset	yes or no	Reset the menu to default
	Information		Show the information of the main image and sub-image source

4. Input/Output Specification

4.1 Input Signal Connector

Analog connectors

Pin No.	Description	Pin No.	Description
1.	Video-Red	9.	+5V
2.	Video-Green	10.	Detect Cable
3.	Video-Blue	11.	NC
4.	NC	12.	DDC-Serial Data
5.	GND	13.	H-Sync
6.	GND-R	14.	V-Sync
7.	GND-G	15.	DDC-Serial clock
8.	GND-B		
VGA connector layout			
			

4.2 Factory Preset Display Modes

VESA MODES							
			Horizontal		Vertical		
Mode	Resolution	Total	Nominal Frequency +/- 0.5kHz	Sync Polarity	Nominal Freq. +/- 1 Hz	Sync Polarity	Nominal Pixel Clock (MHz)
VGA	640x480@60Hz	800 x 525	31.469	N	59.940	N	25.175
	640x480@72Hz	832 x 520	37.861	N	72.809	N	31.500
	640x480@75Hz	840 x 500	37.500	N	75.00	N	31.500
SVGA	800x600@56Hz	1024 x 625	35.156	N/P	56.250	N/P	36.000
	800x600@60Hz	1056 x 628	37.879	P	60.317	P	40.000
	800x600@72Hz	1040 x 666	48.077	P	72.188	P	50.000
	800x600@75Hz	1056x625	46.875	P	75.000	P	49.500
XGA	1024x768@60Hz	1344x806	48.363	N	60.004	N	65.000
	1024x768@70Hz	1328x806	56.476	N	70.069	N	75.000
	1024x768@72Hz	1304x798	57.7	P	72	P	78.4
	1024x768@75Hz	1312x800	60.023	P	75.029	P	78.750
SXGA	1280x1024@60Hz	1688x1066	63.981	P	60.020	P	108.000
	1280x1024@70Hz		74.4	P	70	P	124.9
	1280x1024@72Hz		77.9	P	72	P	134.6
	1280x1024@75Hz	1688x1066	79.976	P	75.025	P	135.000
	1280x960@60Hz	1800x1000	60	P	60	P	108
WSXGA	1680x1050@60Hz	2240x1089	65.29	N	59.95	P	146.25
IBM MODES							
			Horizontal		Vertical		
DOS	720x400@70Hz	900 x 449	31.469	N	70.087	P	28.322
DOS	640x350@70Hz	800 x 449	31.469	P	70.087	N	25.175
XGA	1024x768@72Hz	1304 x 798	57.515	P	72.1	P	75.000
MAC MODES							
VGA	640x480@67Hz	864x525	35.000	N	66.667	N	30.240
SVGA	832x624@75Hz	1152x667	49.725	N	74.551	N	57.2832
XGA	1024x768@60Hz	1312x813	48.780	N	60.001	N	64.000
	1024x768@75Hz	1328x804	60.241	N	74.927	N	80.000

4.3 Panel Specification

4.3.1 General Features

The M220Z1-L01 model is a 22 inch wide TFT-LCD module with a 4-CCFL Backlight Unit and a 30-pin 2ch-LVDS interface. This module supports 1680 x 1050 WSXGA+ (16:10 wide screen) mode and displays up to 16.7 millions colors. The inverter module for the Backlight Unit is not built in.

4.3.2 Features

- Super wide viewing angle
- High contrast ratio
- Fast response time
- High color saturation (EBU Like Specifications)
- WSXGA+ (1680 x 1050 pixels) resolution
- DE (Data Enable) only mode
- LVDS (Low Voltage Differential Signaling) interface

4.3.3 Display Characteristics

Item	Specification	Unit
Diagonal size	558.68	mm
Active Area	473.76x296.1	mm
Bezel Opening Area	477.7 (H) x 300.1 (V)	mm
Driver Element	a-Si TFT active matrix	-
Pixel Number	1680 x R.G.B. x 1050	pixel
Pixel Pitch	0.282(H) x 0.282(V)	mm
Pixel Arrangement	RGB vertical stripe	-
Display Colors	16.7 millions	color
Transmissive Mode	Normally White	-
Surface Treatment	Hard coating (3H), AG (Haze 25%)	-

4.3.4 Optical Characteristics

Item		Symbol	Condition	Min.	Typ.	Max.	Unit
Color Chromaticity	Red	Rx	θ_x=0°, θ_Y =0° CS-1000T	Typ – 0.03	0.639	Typ + 0.03	
		Ry			0.333		
	Green	Gx			0.289		
		Gy			0.597		
	Blue	Bx			0.153		
		By			0.082		
	White	Wx			0.313		
		Wy			0.329		
	Color Gamut	C.G%			68	---	%
Center Luminance of White		L_C		255	300	---	cd/m^2
Contrast Ratio		CR		450	700	---	-
Response Time		T_R	θ_x=0°, θ_Y =0°	---	2	7	ms
		T_F		---	3	8	ms
White Variation		δW	θ_x=0°, θ_Y =0° BM-5A	---	1.3	1.5	-
Viewing Angle	Horizontal	θ_x+		75	85	---	Deg.
		θ_x-		75	85	---	
	Vertical	θ_Y+		70	80	---	
		θ_Y-		70	80	---	

4.3.5 Electrical Characteristics

(1) TFT-LCD

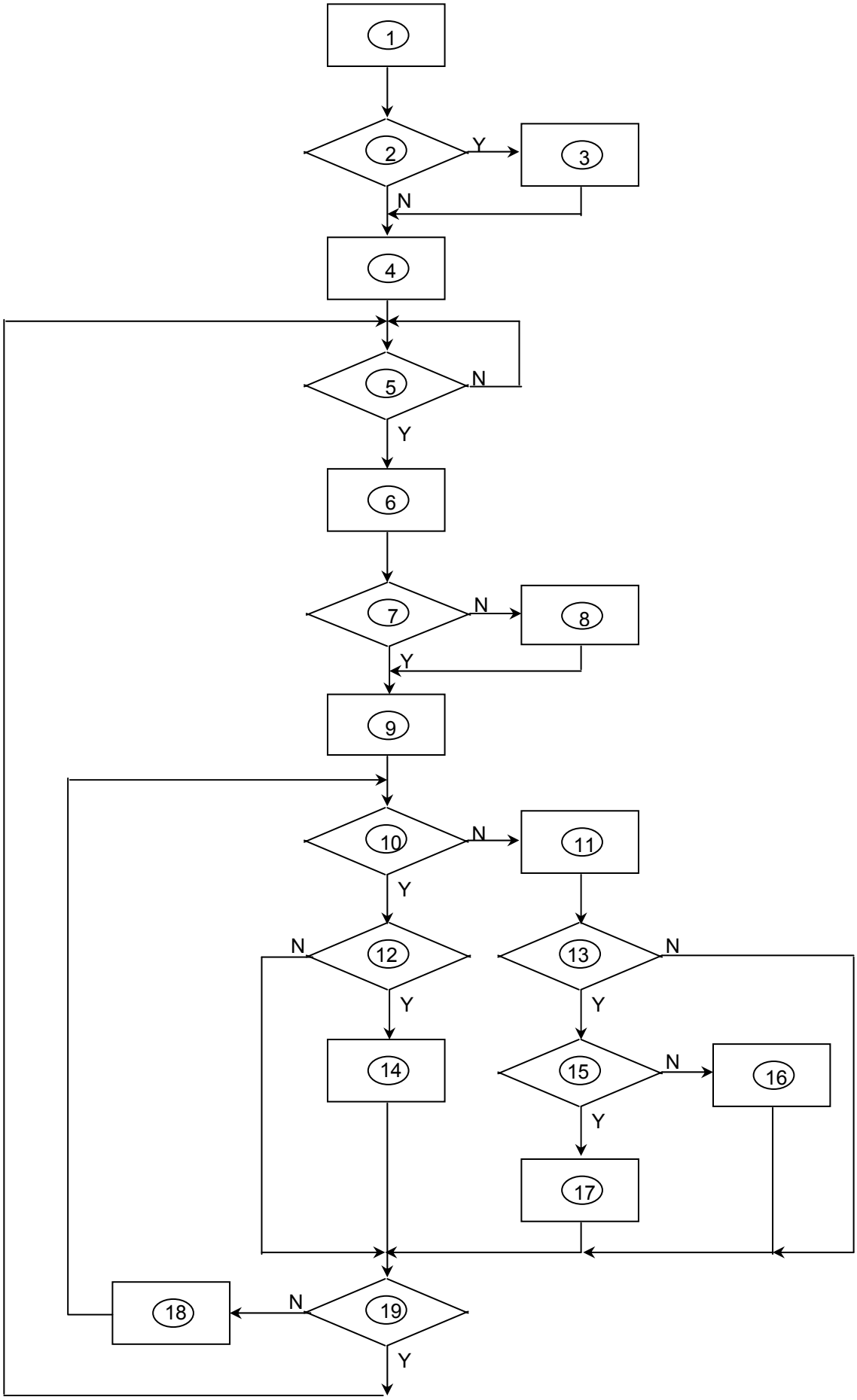
Parameter		Symbol	Value			Unit
			Min.	Typ.	Max.	
Power Supply Voltage		Vcc	4.5	5.0	5.5	V
Ripple Voltage		V_{RP}	-	--	100	mV
Rush Current		I_{RUSH}	-	--	3	A
Power Supply Current	White	Icc	-	580		mA
	Black		-	1100		mA
	f_V = 75Hz, Vcc=4.5V		-	-	1230	mA
LVDS differential input voltage		Vid	-100	-	+100	mV
LVDS common input voltage		Vic	--	1.2	--	V

(2) Backlight

Parameter	Symbol	Value			Unit
		Min.	Typ.	Max.	
Lamp Input Voltage	V_L	738	820	902	V_{RMS}
Lamp Current	I_L	3	7.0	8	mA_{RMS}
Lamp Turn On Voltage	V_S	-	-	1560(25°C)	V_{RMS}
		-	-	1800(0°C)	V_{RMS}
Operating Frequency	F_L	50	60	80	KHz
Lamp Life Time	L_{BL}	40000		-	Hrs
Power Consumption	P_L	-	5.74	-	W

5. Block Diagram

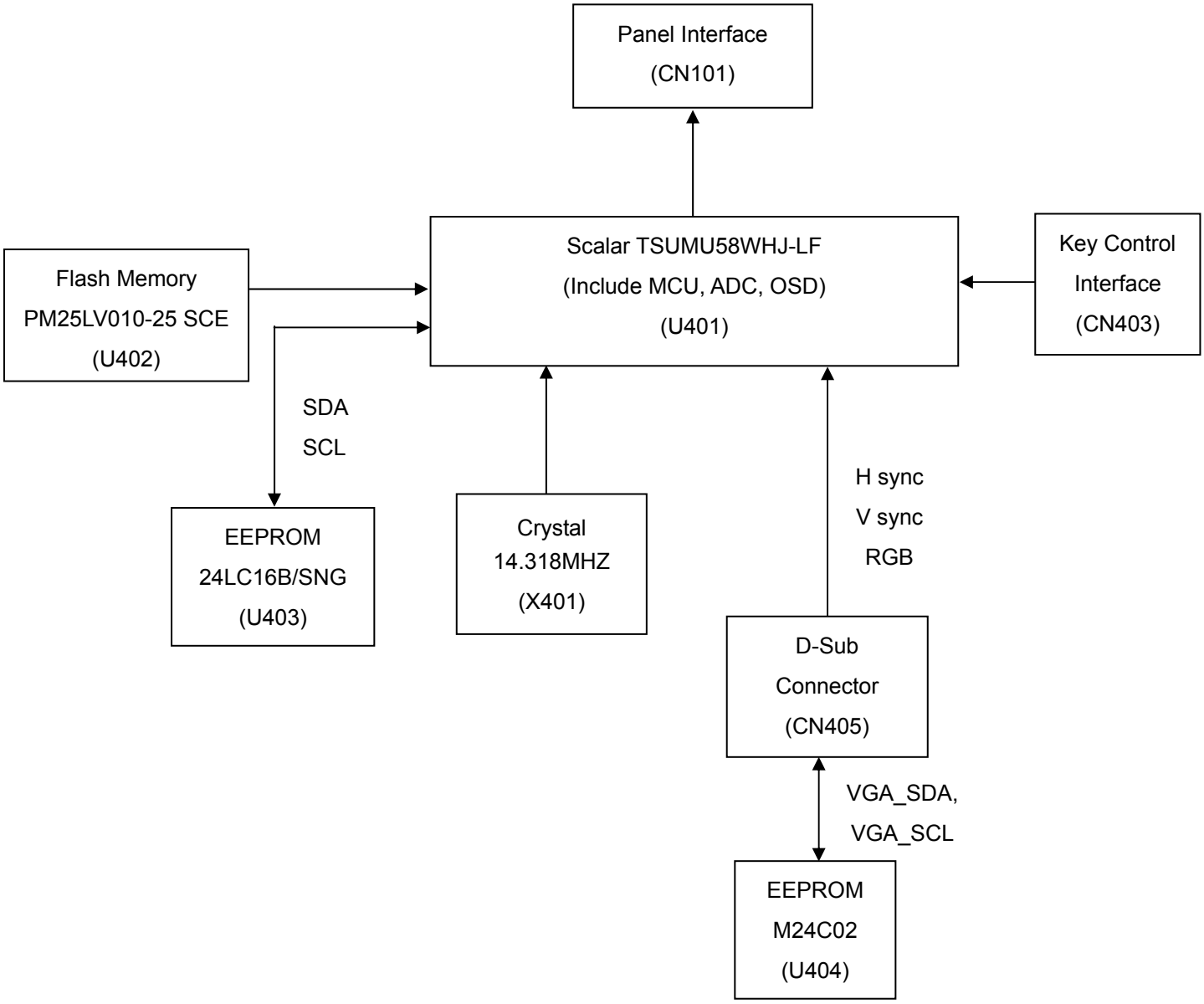
5.1 Software Flow Chat



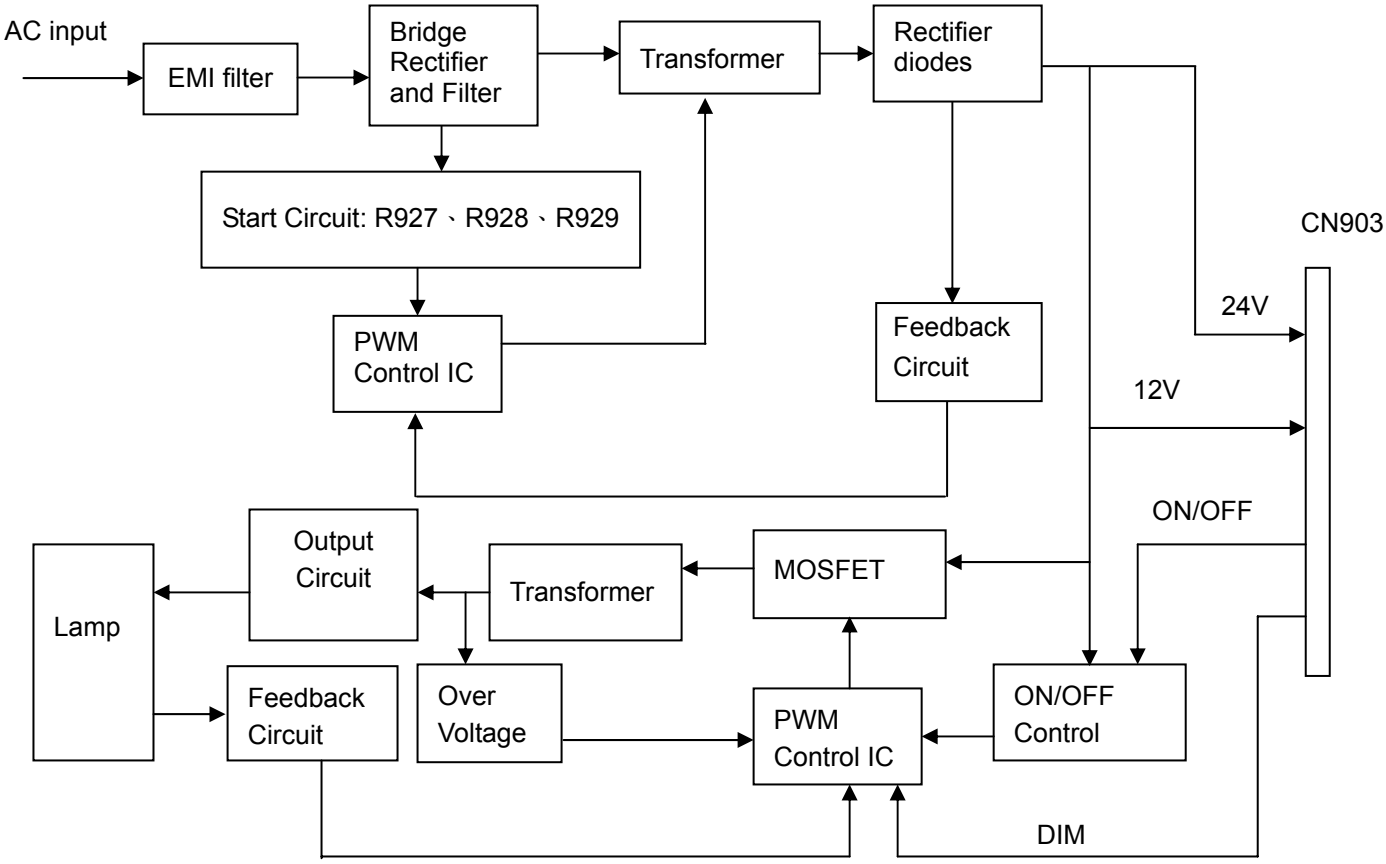
1) MCU initialize.
2) Is the EPROM blank?
3) Program the EPROM by default values.
4) Get the PWM value of brightness from EPROM.
5) Is the power key pressed?
6) Clear all global flags.
7) Are the AUTO and SELECT keys pressed?
8) Enter factory mode.
9) Save the power key status into EPROM.
   Turn on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

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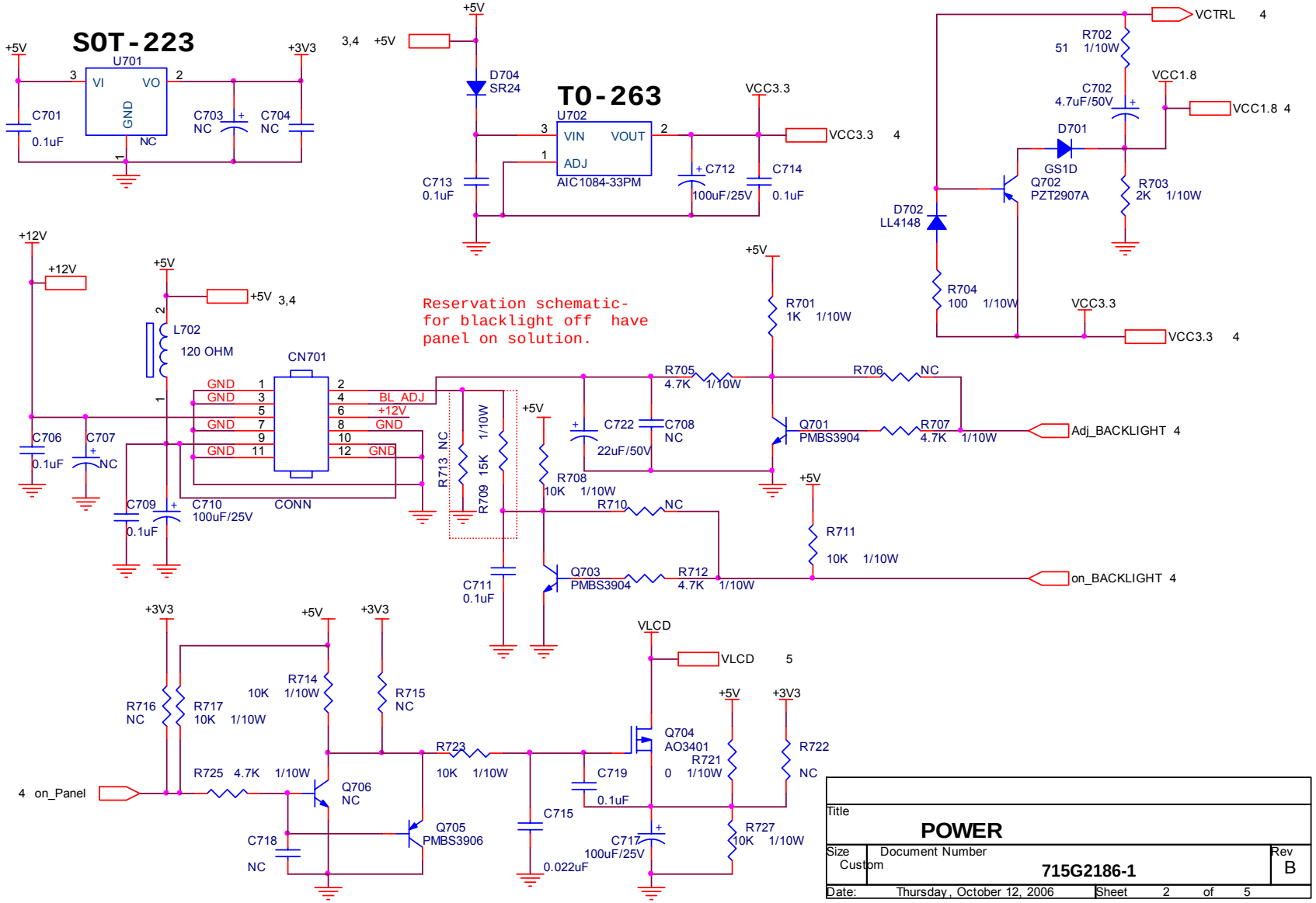

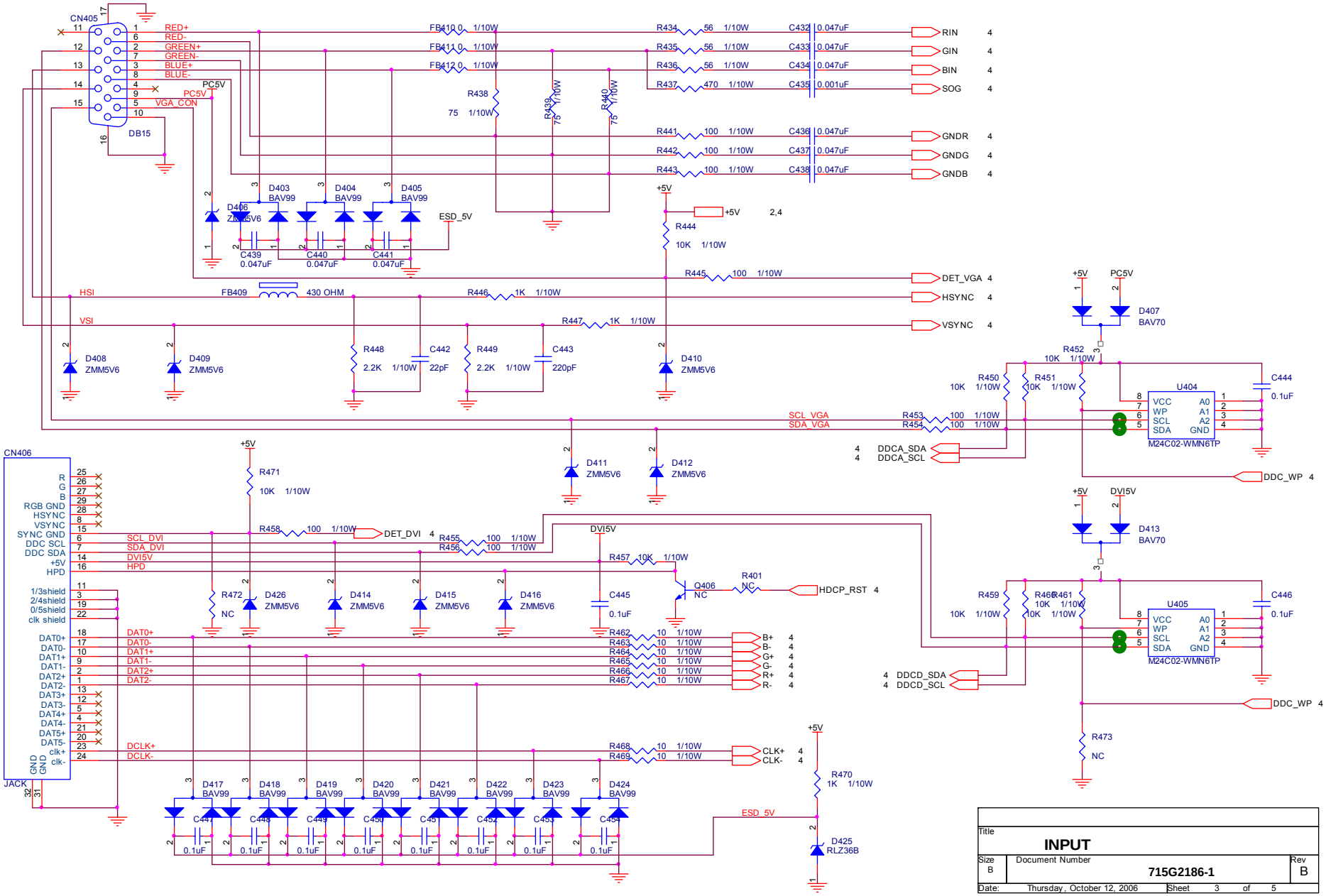
CN405
DB15
RED+
RED-
GREEN+
GREEN-
BLUE+
BLUE-
PC5V
VGA_CON
FB410 0 1/10W
FB411 0 1/10W
FB412 0 1/10W
R434 56 1/10W
R435 56 1/10W
R436 56 1/10W
R437 470 1/10W
C432 0.047uF
C433 0.047uF
C434 0.047uF
C435 0.001uF
RIN 4
GIN 4
BIN 4
SOG 4
R438 75 1/10W
R439 75 1/10W
R440 75 1/10W
R441 100 1/10W
R442 100 1/10W
R443 100 1/10W
C436 0.047uF
C437 0.047uF
C438 0.047uF
GNDR 4
GNDG 4
GNDB 4
D403 BAV99
D404 BAV99
D405 BAV99
D406 ZMM5V6
ESD_5V
C439 0.047uF
C440 0.047uF
C441 0.047uF
+5V
R444 10K 1/10W
+5V 2,4
R445 100 1/10W
DET_VGA 4
HSI
FB409 430 OHM
R446 1K 1/10W
HSYNC 4
VSI
R447 1K 1/10W
VSYNC 4
D408 ZMM5V6
D409 ZMM5V6
R448 2.2K 1/10W
C442 22pF
R449 2.2K 1/10W
C443 220pF
D410 ZMM5V6
SCL_VGA
SDA_VGA
R453 100 1/10W
R454 100 1/10W
4 DDCA_SDA
4 DDCA_SCL
D411 ZMM5V6
D412 ZMM5V6
+5V
PC5V
D407 BAV70
R452 10K 1/10W
R450 10K 1/10W
R451 10K 1/10W
U404
M24C02-WMN6TP
VCC
WP
SCL
SDA
A0
A1
A2
GND
C444 0.1uF
DDC_WP 4
CN406
JACK
R
G
B
RGB GND
HSYNC
VSYNC
SYNC GND
DDC SCL
DDC SDA
+5V
HPD
1/3shield
2/4shield
0/5shield
clk shield
DAT0+
DAT0-
DAT1+
DAT1-
DAT2+
DAT2-
DAT3+
DAT3-
DAT4+
DAT4-
DAT5+
DAT5-
clk+
clk-
GND
GND
SCL_DVI
SDA_DVI
DVI5V
HPD
R471 10K 1/10W
R458 100 1/10W
DET_DVI 4
R455 100 1/10W
R456 100 1/10W
DVI5V
R457 10K 1/10W
R472 NC
D426 ZMM5V6
D414 ZMM5V6
D415 ZMM5V6
D416 ZMM5V6
C445 0.1uF
Q406 NC
R401 NC
HDCP_RST 4
R462 10 1/10W
R463 10 1/10W
R464 10 1/10W
R465 10 1/10W
R466 10 1/10W
R467 10 1/10W
B+ 4
B- 4
G+ 4
G- 4
R+ 4
R- 4
DCLK+
DCLK-
R468 10 1/10W
R469 10 1/10W
CLK+ 4
CLK- 4
D417 BAV99
D418 BAV99
D419 BAV99
D420 BAV99
D421 BAV99
D422 BAV99
D423 BAV99
D424 BAV99
0.1uF
ESD_5V
R470 1K 1/10W
D425 RLZ36B
+5V
DVI5V
D413 BAV70
R459 10K 1/10W
R460 10K 1/10W
R461 10K 1/10W
U405
M24C02-WMN6TP
C446 0.1uF
4 DDCD_SDA
4 DDCD_SCL
DDC_WP 4
R473 NC
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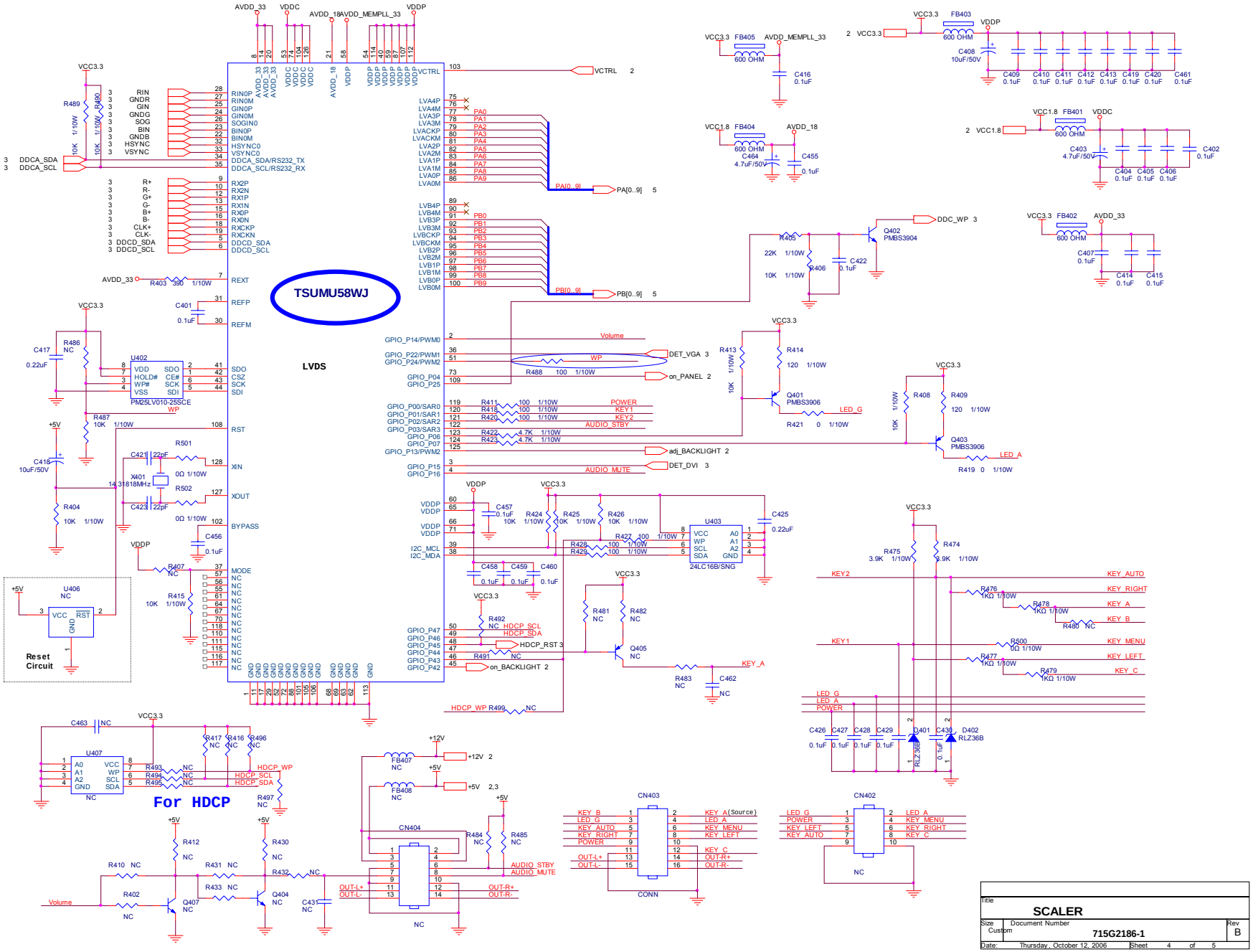
INPUT
Size B
Document Number
715G2186-1
Rev B
Date: Thursday, October 12, 2006
Sheet 3 of 5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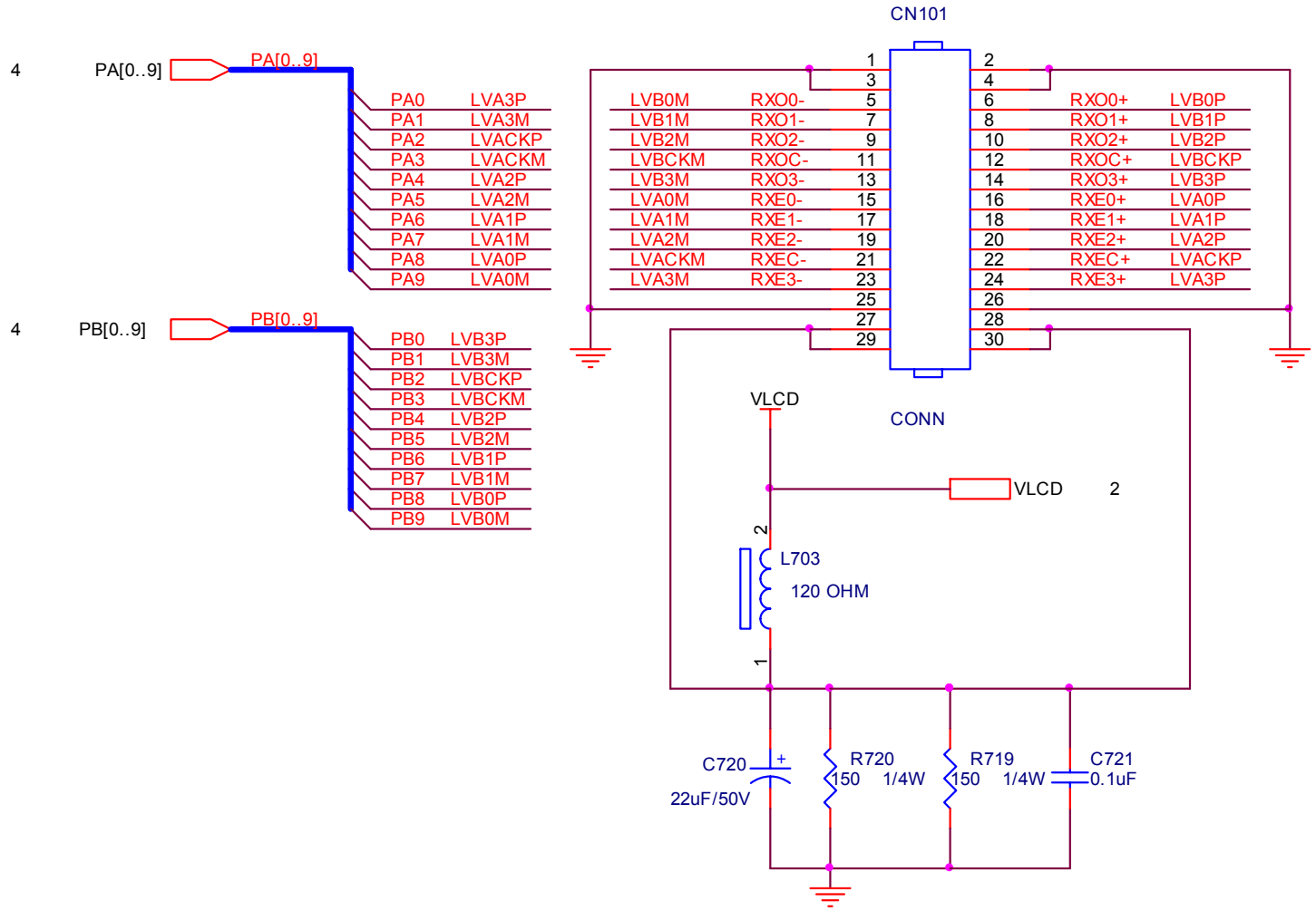
LVDS
Reset Circuit
For HDCP
SCALER
715G2186-1
Rev B
Thursday, October 12, 2006
Sheet 4 of 5



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6.2 Power Board

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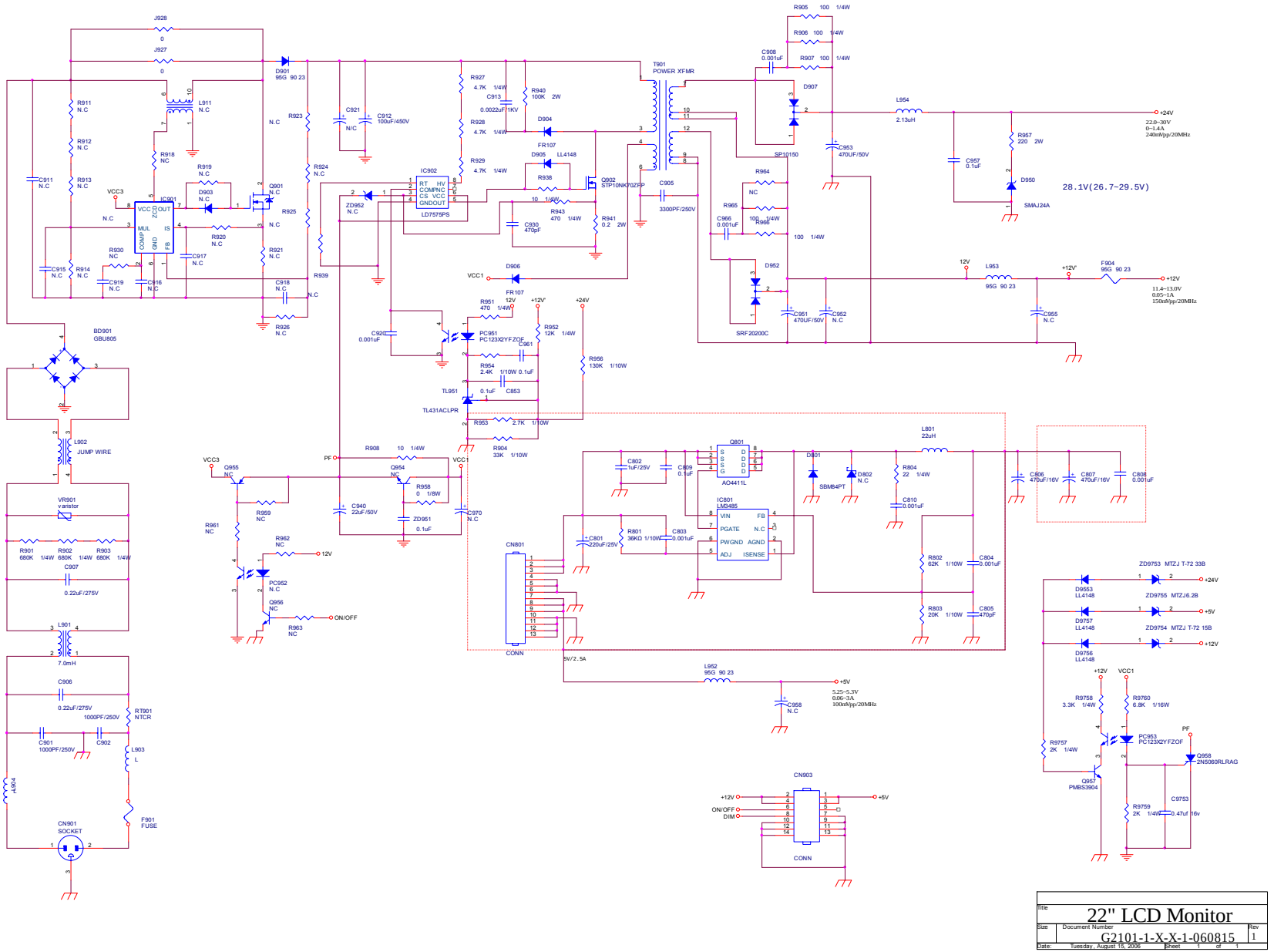

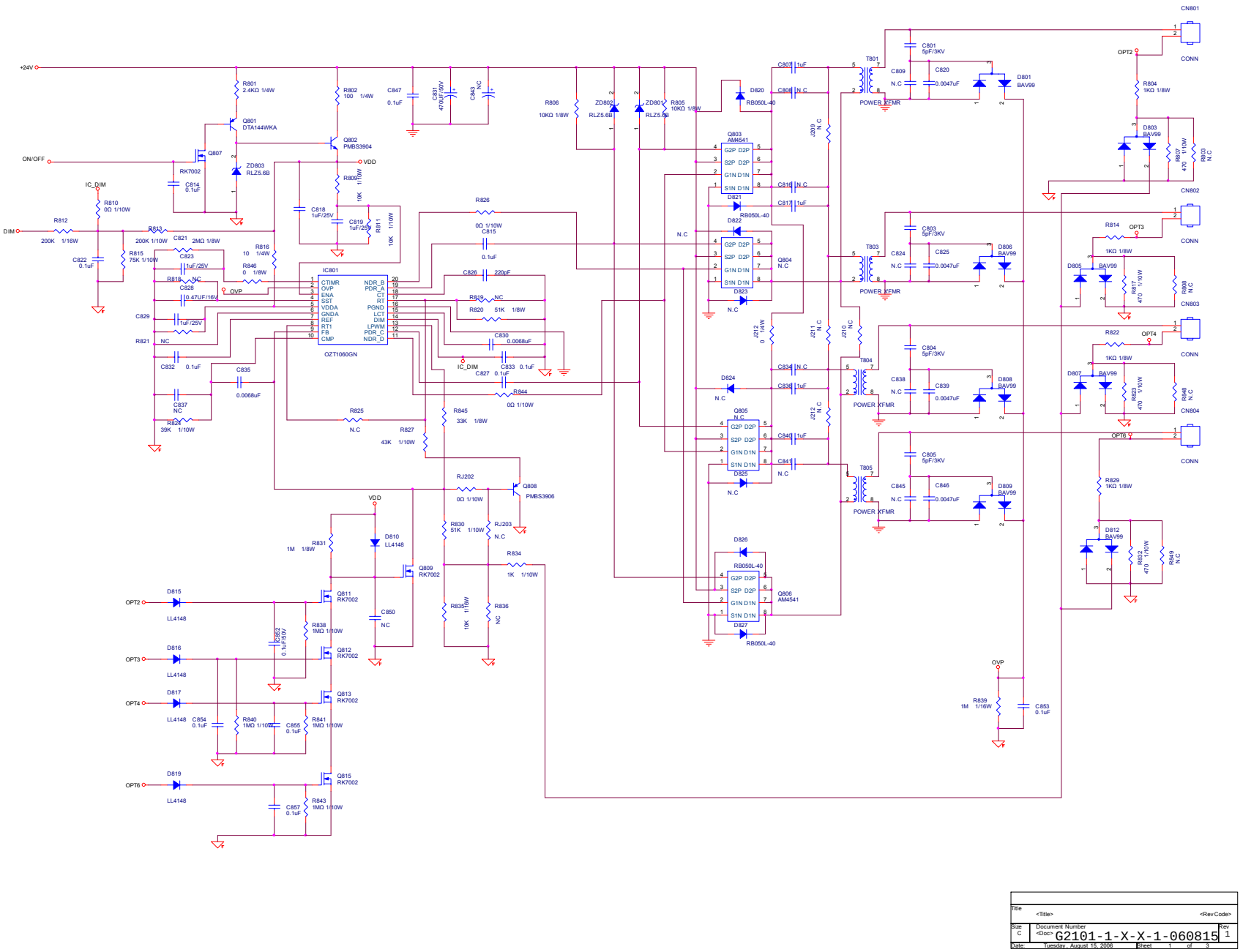

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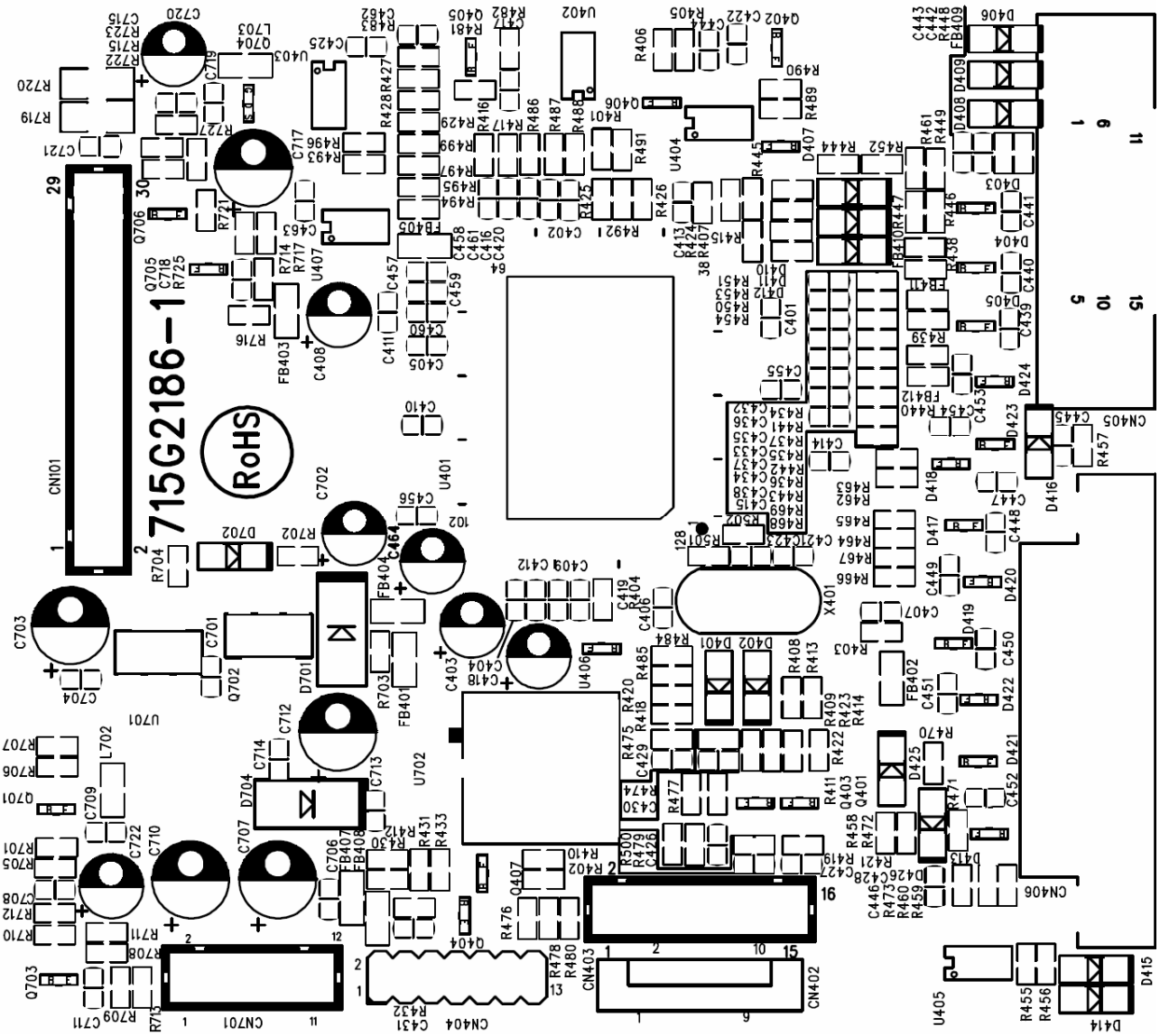
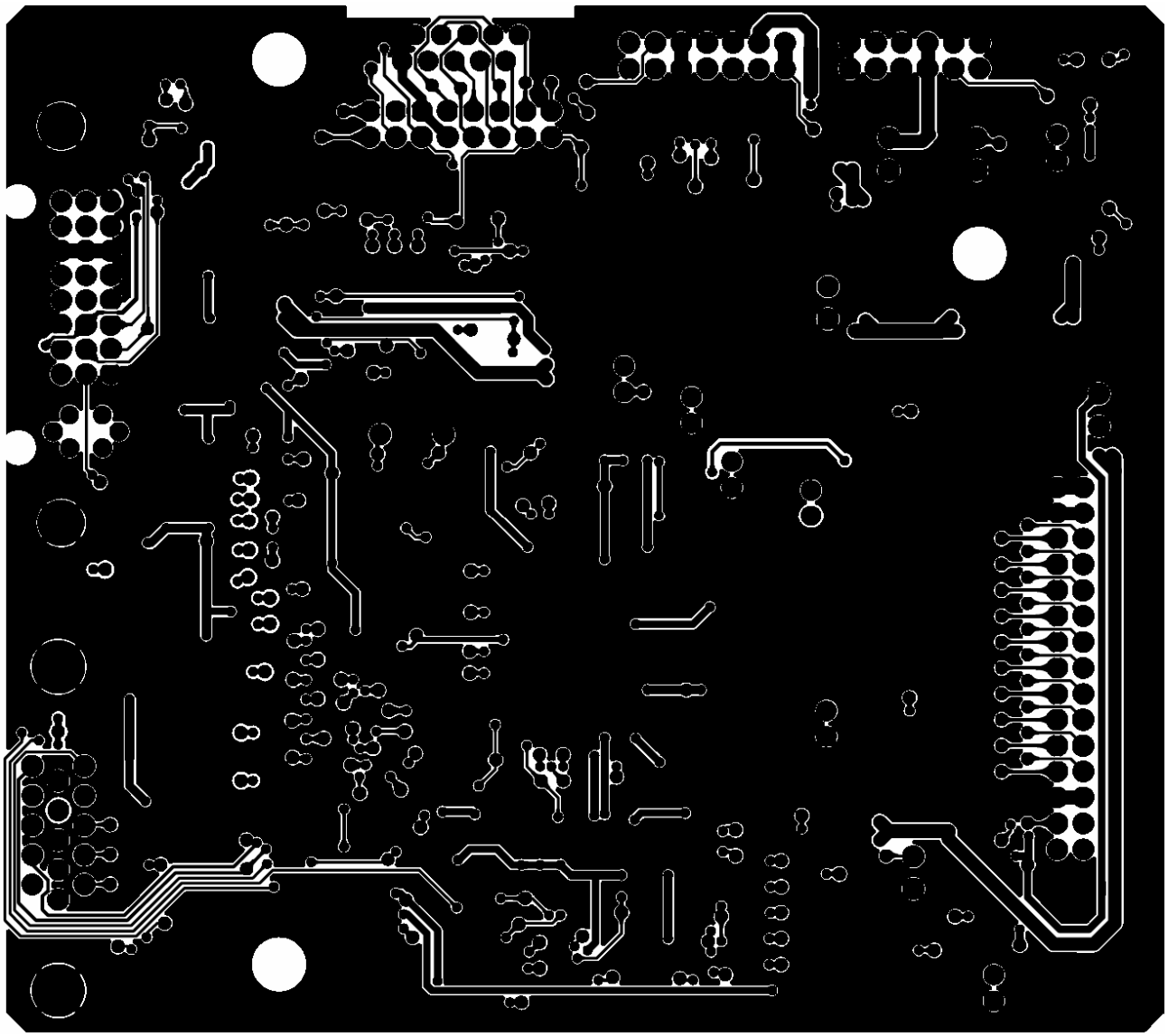
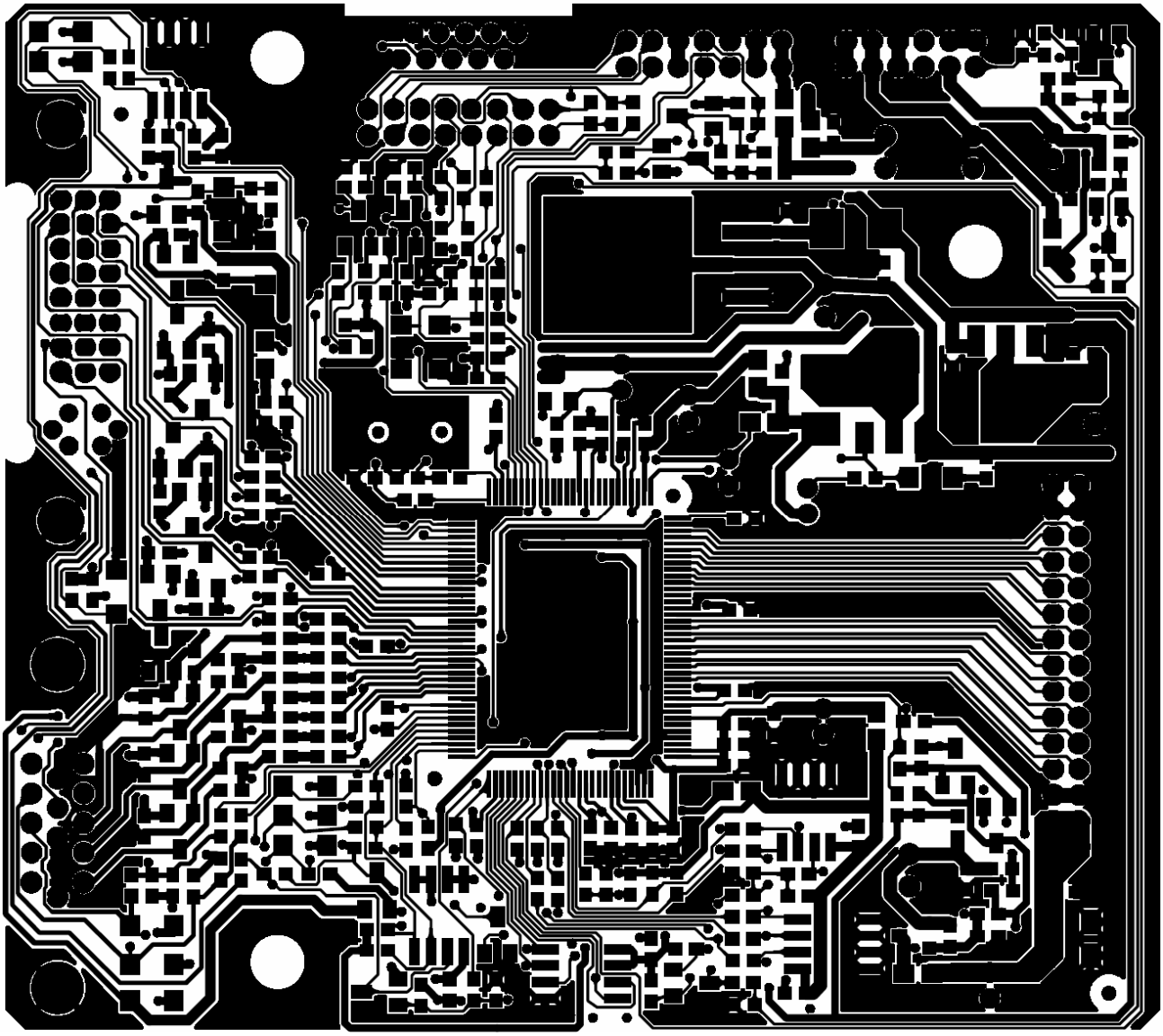
7. PCB Layout

7.1 Main Board

715G2186-1

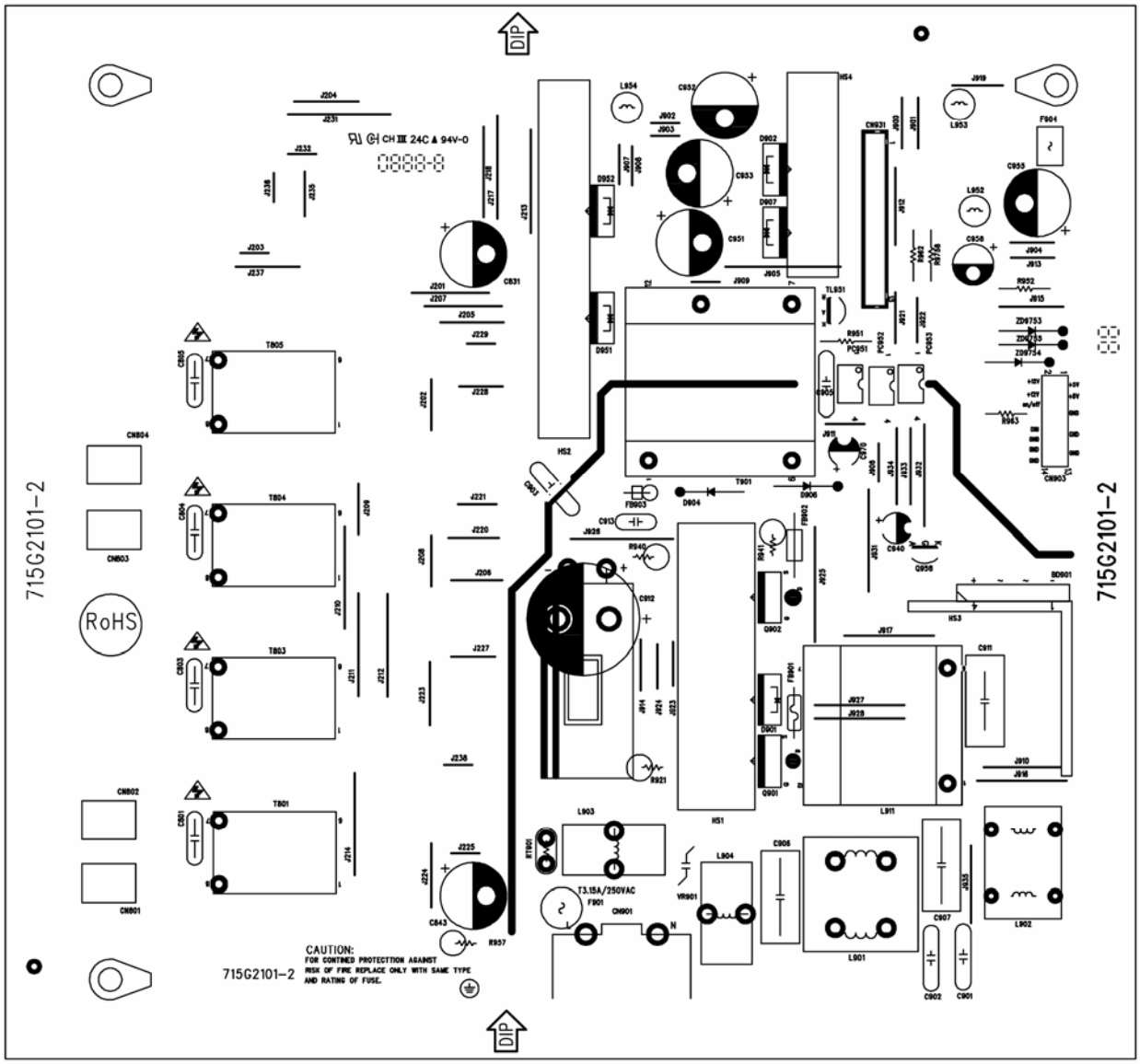


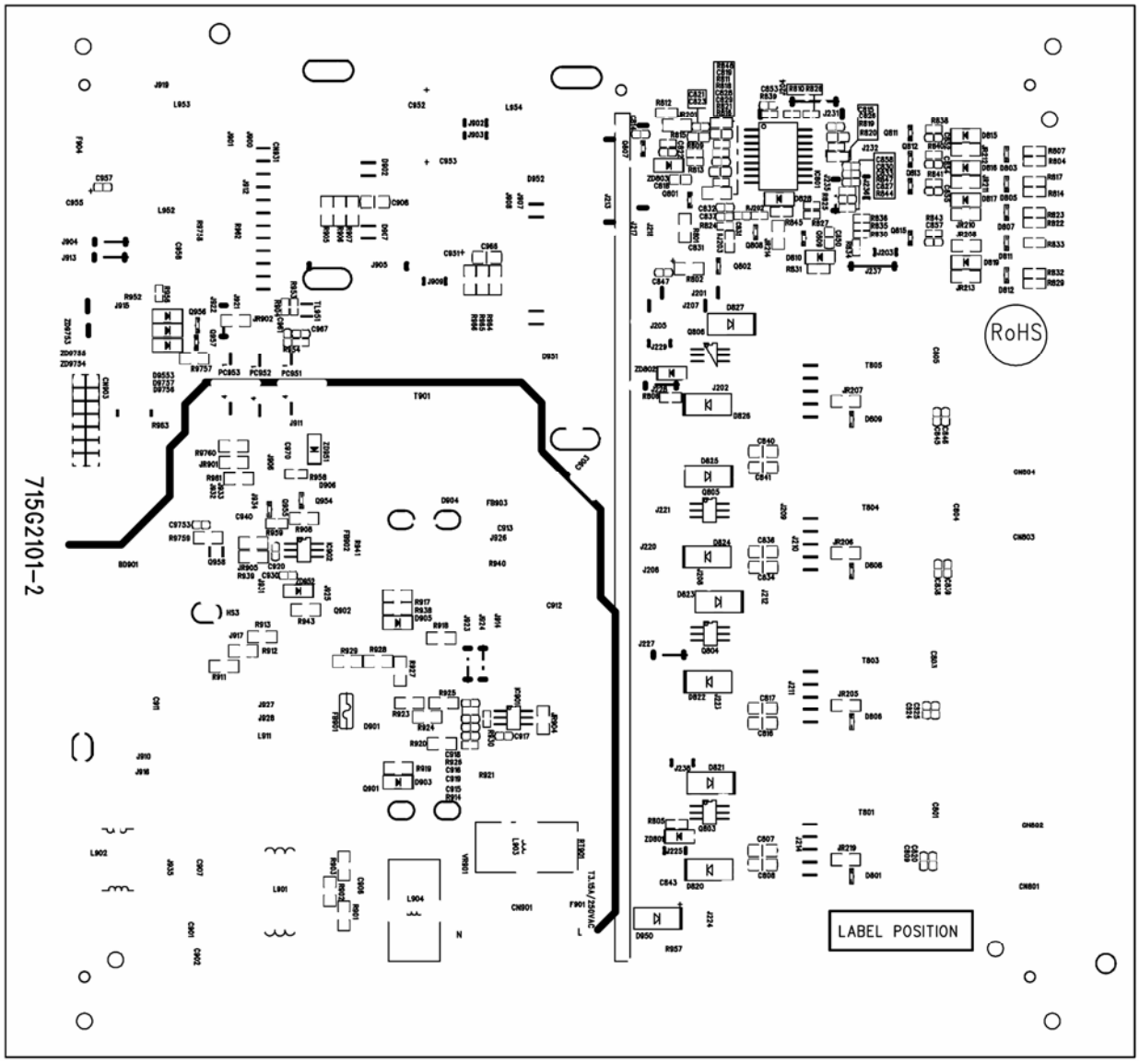


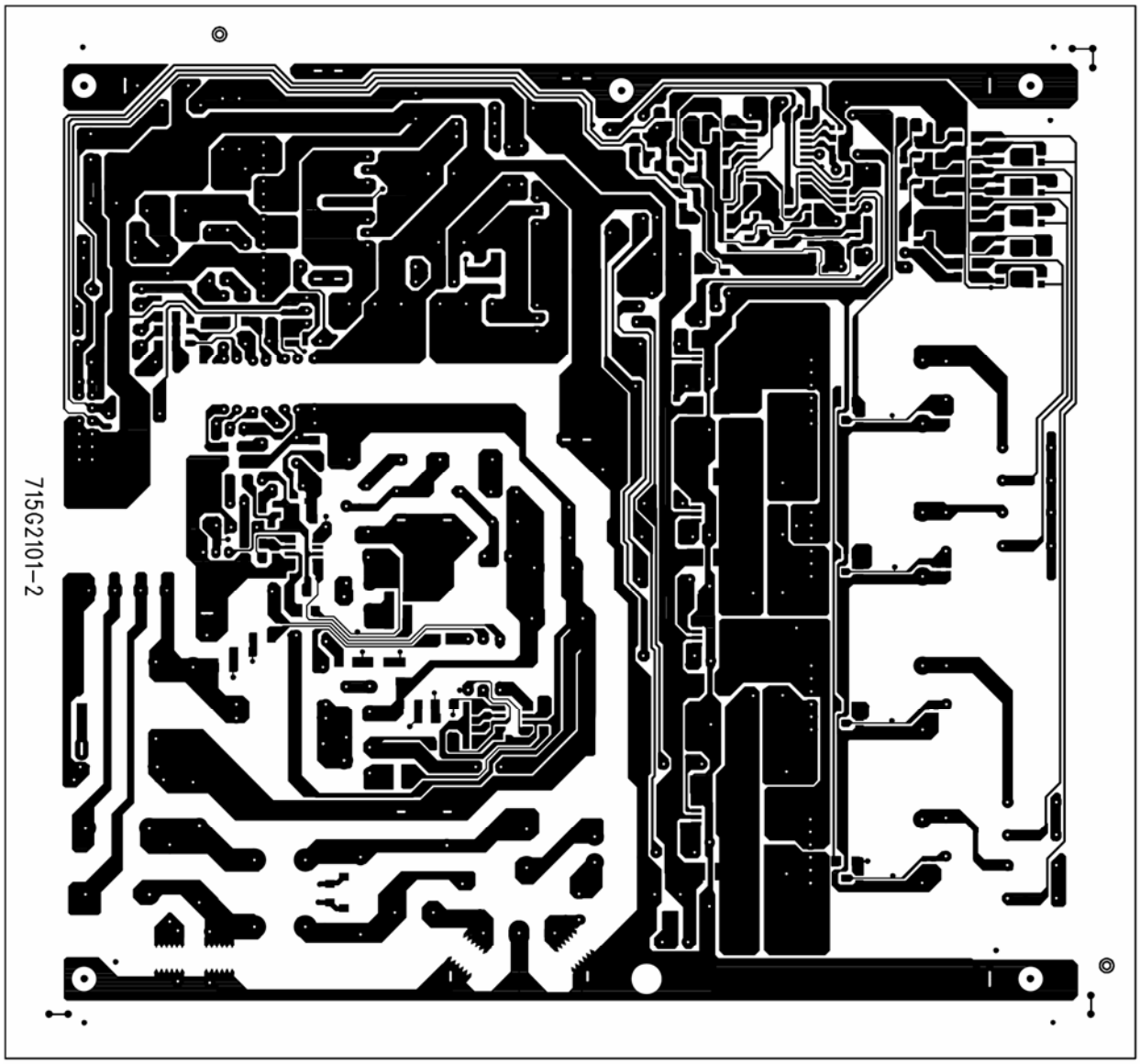


7.2 Power Board

715G2101-2

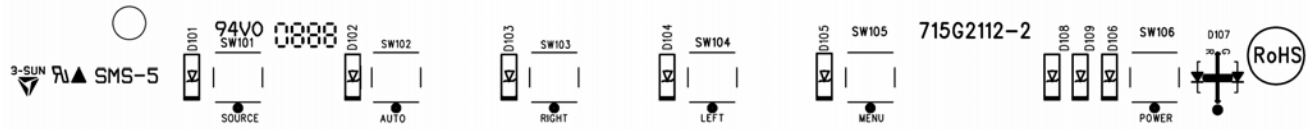


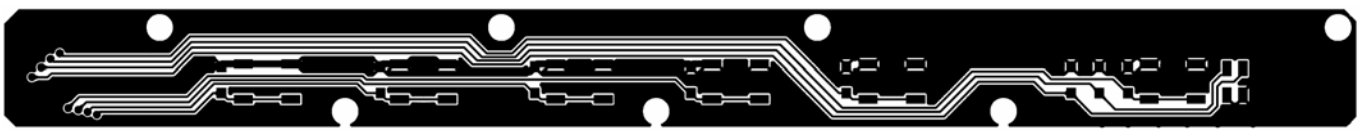

715G2101-2
RoHS
LABEL POSITION



7.3 Key Board

715G2112-2





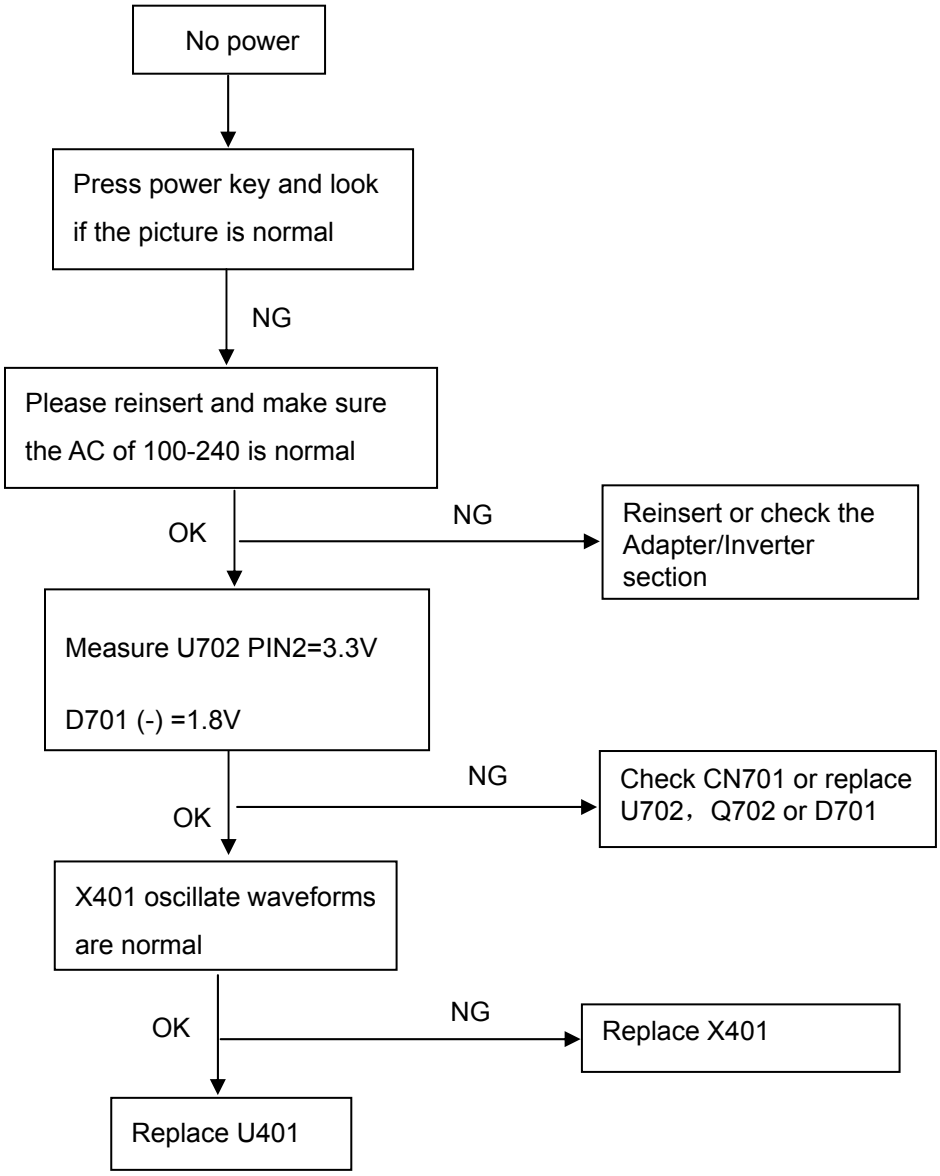
8. Maintainability

8.1 Equipments And Tools Requirement

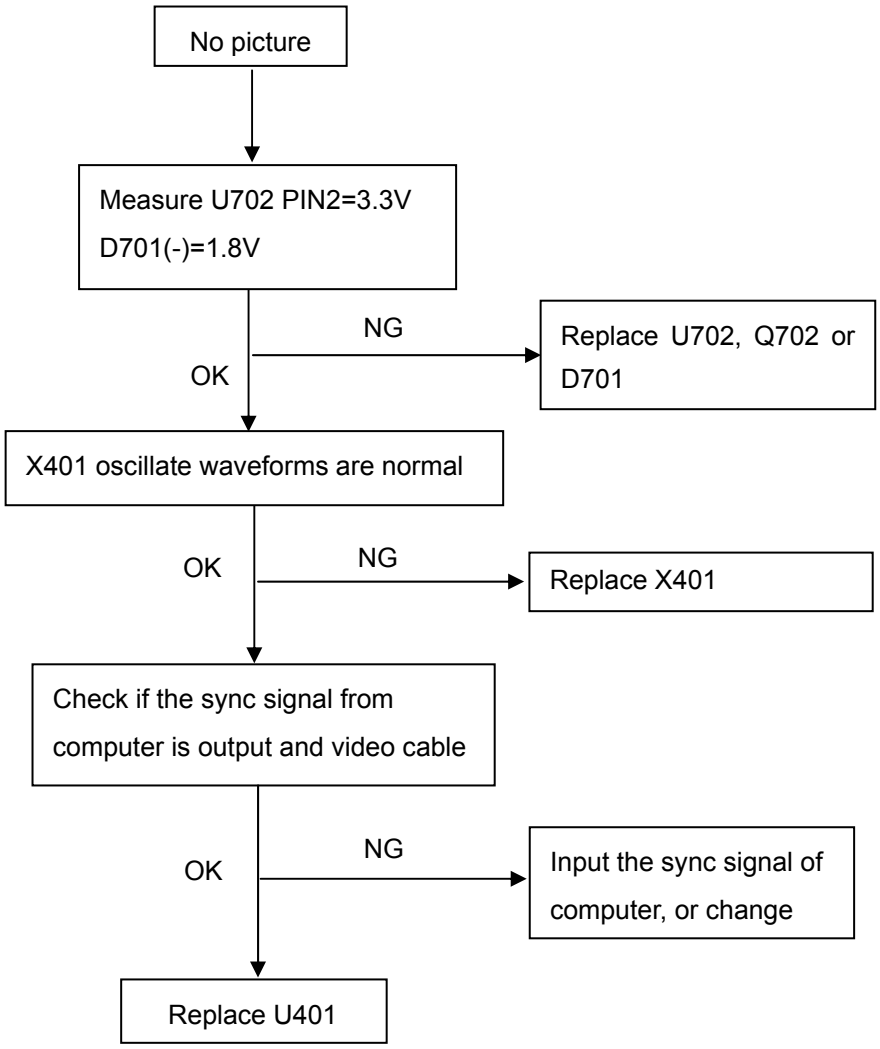
1. Voltmeter.
2. Oscilloscope.
3. Pattern Generator.
4. DDC Tool with an IBM Compatible Computer.
5. Alignment Tool.
6. LCD Color Analyzer.
7. Service Manual.
8. User Manual.

8.2 Trouble Shooting

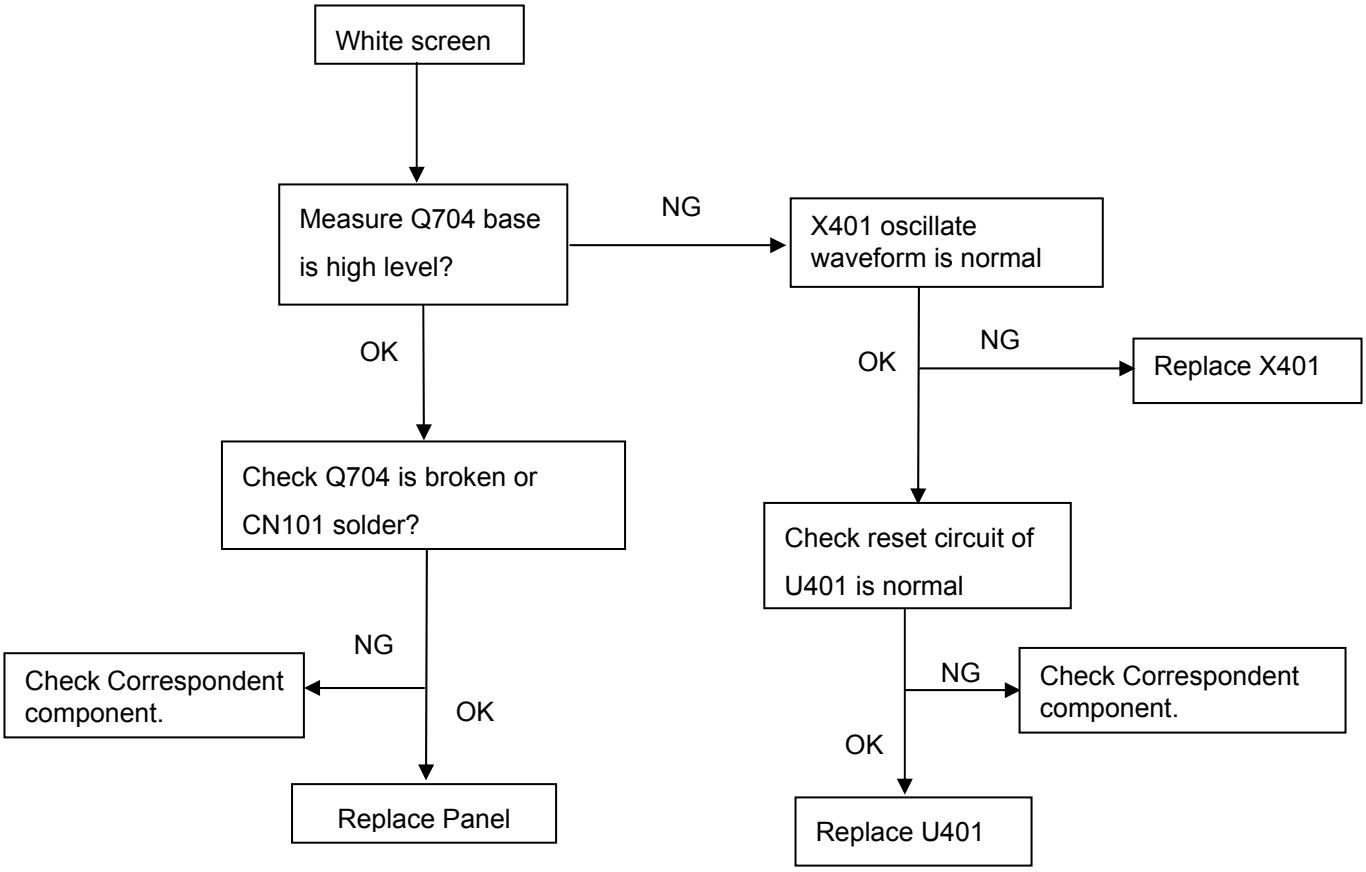
8.2.1 Main Board



(2). No Picture

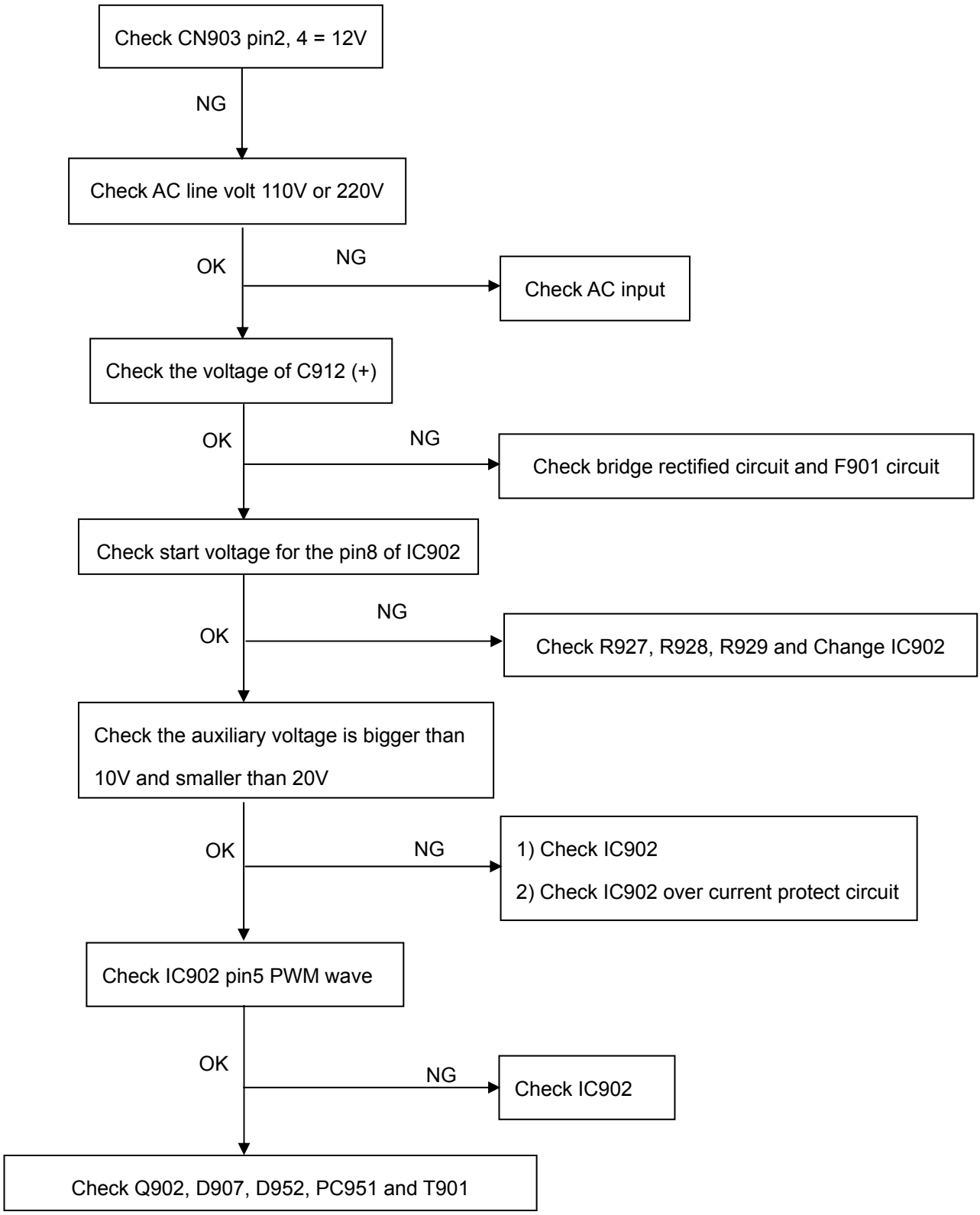

No picture
Measure U702 PIN2=3.3V
D701(-)=1.8V
NG
Replace U702, Q702 or D701
OK
X401 oscillate waveforms are normal
OK
NG
Replace X401
Check if the sync signal from computer is output and video cable
OK
NG
Input the sync signal of computer, or change
Replace U401

(3). White screen

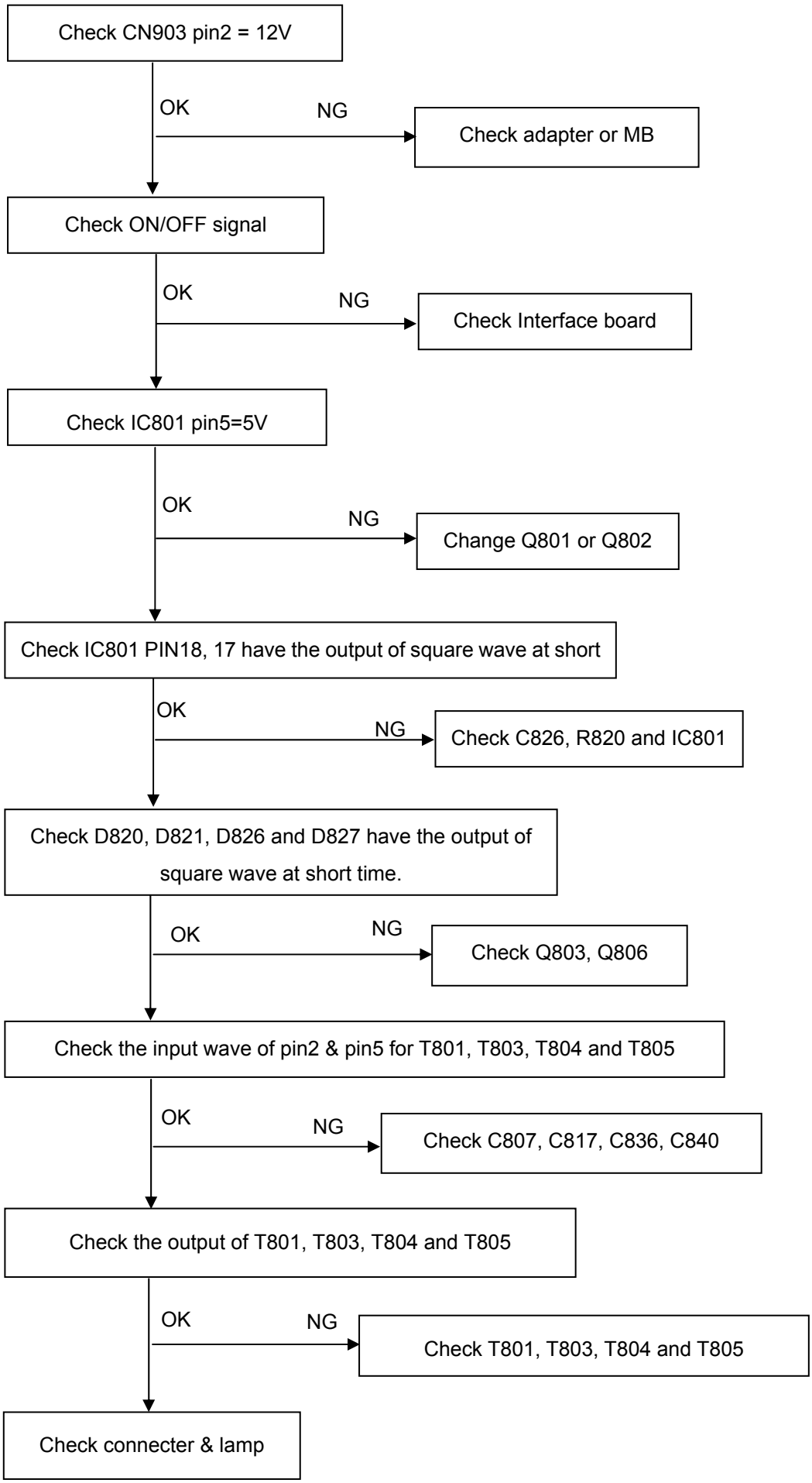


8.2.2 Power/Inverter Board

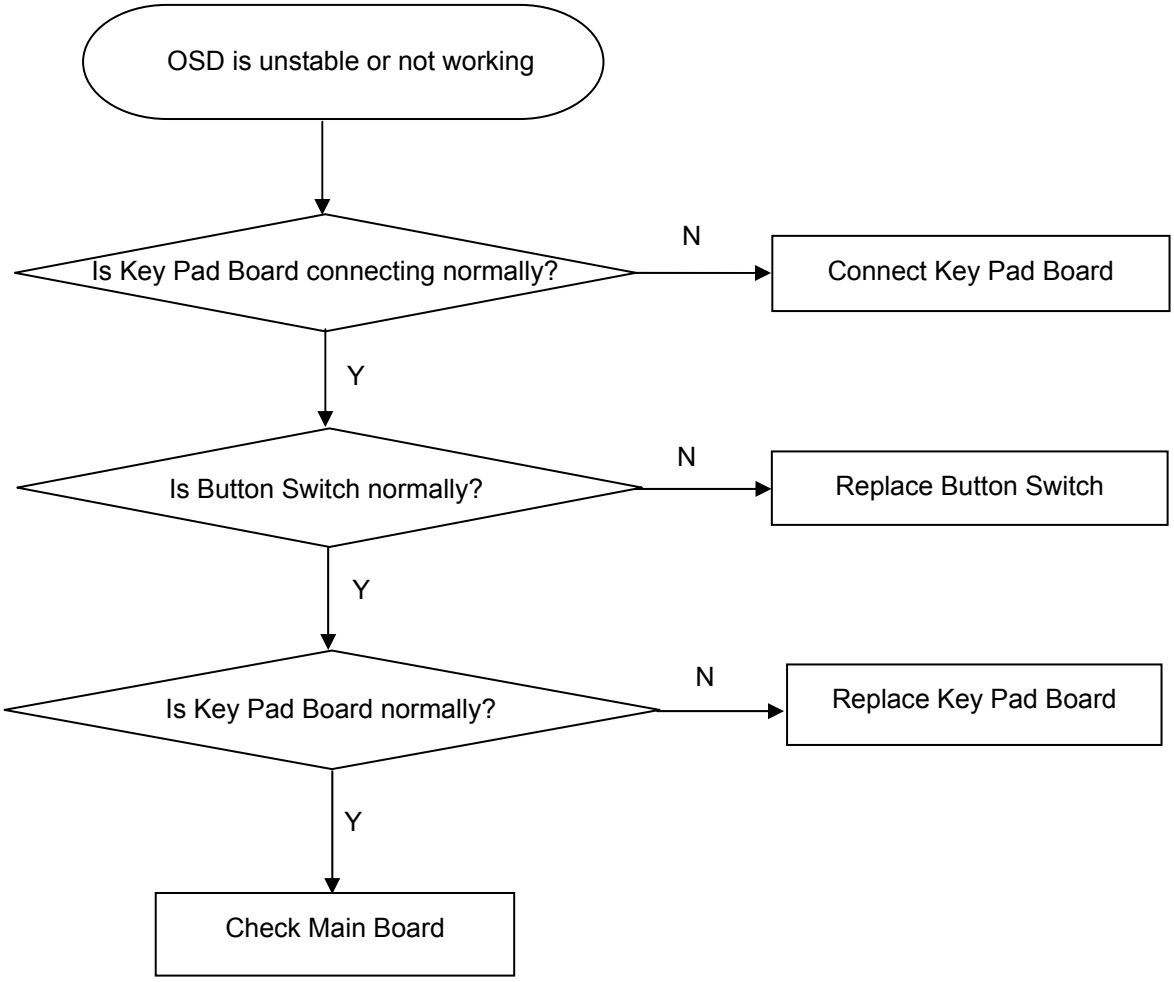
1.) No power



2.) W / LED, No Backlight



8.2.3 Keypad 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 ±20, y = 329 ±20, Y=180cd/m^2; Normal color parameter is x = 301 ±20, y = 317 ±20, Y=180cd/m^2; Cool color parameter is x = 283 ±20, y = 297 ±20, Y=180cd/m^2; sRGB color parameter is x = 313 ±20, y = 329 ±20, Y= 180cd/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 ±20, y = 329 ±20, Y=180cd/ m^2

B. MEM.CHANNEL 4 (Normal color):

Normal color temp. parameter is x = 301 ±20, y = 317 ±20, Y=180cd/ m^2

C. MEM.CHANNEL 9 (Cool color):

Cool color temp. parameter is x = 283 ±20, y = 297 ±20, Y=180cd/m^2

D. MEM.CHANNEL 10 (sRGB color):

sRGB color temp. parameter is x = 313 ±20, y = 329 ±20, Y= 180cd/m^2

3. Into Factory mode of AOC 210S:

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

4. Bias adjustment:

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

5. Gain adjustment:

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

A. Adjust 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 ±20, y = 329 ±20, Y=180cd/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 reachedthe 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±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 ±20, y = 317 ±20, Y=180cd/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 reachedthe 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±2

C. Adjust Cool (9300K) color-temperature

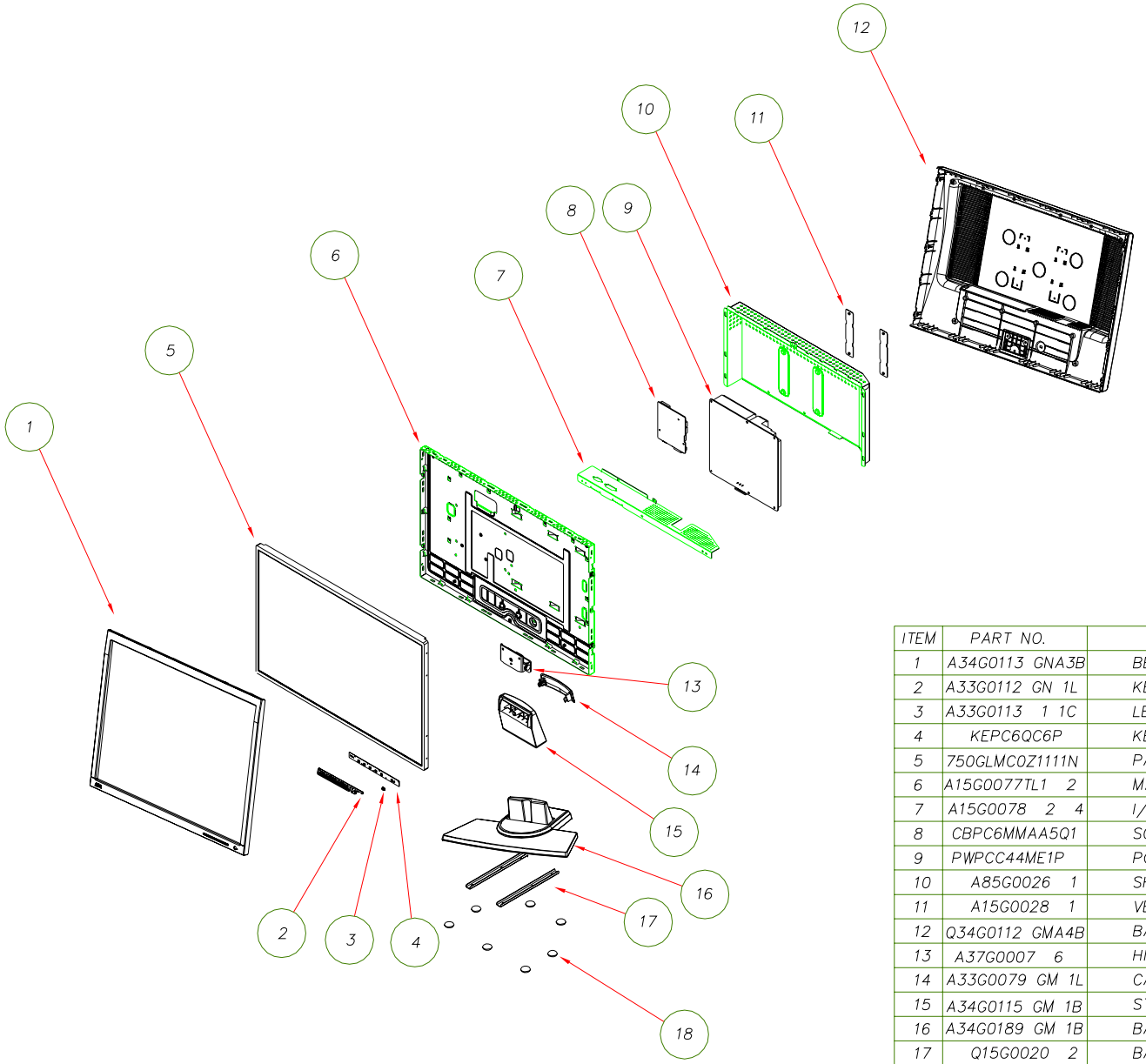
1. Switch the Chroma-7120 to **RGB-Mode** (with press “MODE” button)
2. Switch the MEM. Channel to Channel 9 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show x = 283 ±20, y = 297 ±20, Y=180cd/m^2
4. Adjust the RED of color1 on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN of color1 on factory window until chroma 7120 indicator reached the value G=100
6. Adjust the BLUE of color1 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 ±20, y = 329 ±20, Y= 180cd/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 reachedthe 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±2

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

10. Monitor Exploded View



ITEM	PART NO.	PART NAME	Q'TY
1	A34G0113 GNA3B	BEZEL	1
2	A33G0112 GN 1L	KEY PAD	1
3	A33G0113 1 1C	LENS	1
4	KEPC6QC6P	KEY BOARD	1
5	750GLMC0Z1111N	PANEL(CMO)	1
6	A15G0077TL1 2	MAIN FRAME	1
7	A15G0078 2 4	I/O BRACKET	1
8	CBPC6MMAA5Q1	SCALAR BOARD	1
9	PWPCC44ME1P	POWER BOARD	1
10	A85G0026 1	SHIELDING	1
11	A15G0028 1	VESA BKT	2
12	Q34G0112 GMA4B	BACK CAB	1
13	A37G0007 6	HINGE	1
14	A33G0079 GM 1L	CABLE CLAMP	1
15	A34G0115 GM 1B	STAND	1
16	A34G0189 GM 1B	BASE	1
17	Q15G0020 2	BASE BRACKET	2
18	012G 394 3	RUBBER FOOT	7

11. BOM List

TC6MMADBWQA5HP

Location	Part No. for TPV	Description
	040G 152509	RECYCLE LABEL
	040G 152512	RECYCLE LABEL
	045G 88606 S	PE BAG FOR BASE
	045G 88626 8	PE BAG FOR MONITOR
	052G 1186	SMALL TAPE
	052G 1211 A	165MINIUM TAPE
	052G6025 11926	MYLAR
	089G 725HAA550	SIGNAL CABLE
	089G404A15N IS	POWER CORD
	095G801410D544	WIRE HARNESS
	095G8018 3D558	LVDS CABLE
	0M1G 130 4120	SCREW M3X5
	0M1G 130 4120	SCREW M3X5
	0M1G 130 4120	SCREW M3X5
	0M1G 130 6120	SCREW M3X6
	0M1G 340 8 47 CR3	SCREW
	0M1G 340 10 47 CR3	SCREW
	0M1G 930 6 47 CR3	SCREW
	0M1G1140 6128 CR3	SCREW
	0M1G1730 6120	SCREW
	0M1G1730 6120	SCREW
	0M1G1730 6120	SCREW
	0Q1G6027 1	SCREW
	705GQCK0P34007	22" LCD STAND COVER-BASE ASS'Y
	750GLMC0Z1111N	PANEL LCD M220Z1-L01 CMO
	A15G0028 1	VESA BKT
	A15G0077TL1 2	MAIN FRAME
	A15G0078 2 4	IO-BRACKET
	A33G0079 GM 1L	CABLE CLAMP
	A33G0112 GN 1L	KEY PAD
	A33G0113 1 1C	LENS
	A34G0113 GNA3B	BEZEL(22")
	A85G0026 1	SHIELD
	CBPC6MMAA5Q1	MAIN BOARD
	KEPC6QC6P	KEY BOARD
	PWPCC44ME1P	POWER BOARD
	Q12G6300 18	RUBBER

	Q34G0112 GMA4B	REAR COVER(22")
	Q44GC004 1	EPS(L)
	Q44GC004 2	EPS(R)
	Q44GC004615 3A	CARTON
	Q52G6020 30	PROTECT FILM
	Q52G6025 13 63	MYLAR
	Q40G 22N615 3A	Rating label
	Q26G 800504 2	BAR CODE LABEL
	040G 58162435A	LABEL
	Q45G 88609 34	EPE COVER
	041G780061553A	TCO'03 CARD
	041G780061554A	SERVICE CENTER LIST
	Q45G 76 28 RN R	PE BAG MANUAL
	Q41G7800615A67	qsg
	Q70G2201615 2A	cd manual
	050G 600 4	HANDLE 1
	044GH600 1	handle2
	052G 1185	MIDDLE TAPE
	Q52G 1185 65	AOC MIDDLE TAPE
	012G 394 3	RUBBER FOOT
	0Q1G 130 6120	SCREW (T3X6)
	A34G0115 GM 1B	STAND
	A34G0189 GM 1B 20	BASE
	A37G0007 6	HINGE
	AQ1G1740 12120	SCREW
	Q15G0020 2	BASE BRACKET
CN403	033G8027 10	WAFER 2*5P 2.0MM R/A
CN701	033G8027 12	WAFER 2*6P 2.0MM R/A
CN101	033G8027 30 H	WAFER 30P 2.0MM RIGHT ANGLE
	040G 457624 1B	LABEL-CPU
	040G 45762412B	CBPC LABEL
C408	067G215L100 7N	KY50VB10M-L 5*11.5
C418	067G215L100 7N	KY50VB10M-L 5*11.5
C710	067G215L101 4N	KY25VB100M-L 6.3*11
C712	067G215L101 4N	KY25VB100M-L 6.3*11
C717	067G215L101 4N	KY25VB100M-L 6.3*11
C722	067G215Y2207NV	KY50VB22M-CC3 5*11
C464	067G215Y2207NV	KY50VB22M-CC3 5*11
C720	067G215Y2207NV	KY50VB22M-CC3 5*11
C702	067G215Y479 7N	LOW ESR EC 4.7 UF 50V NC

C403	067G215Y479 7N	LOW ESR EC 4.7 UF 50V NC
CN405	088G 35315F H	D-SUB 15PIN
X401	093G 22 53 H	14.31818MHZ/30PF/49US
CN801	033G8021 2E U	WAFER
CN802	033G8021 2E U	WAFER
CN803	033G8021 2E U	WAFER
CN804	033G8021 2E U	WAFER
	040G 45762420A	LABEL 25x6mm
	051G 6 4502	RTV
PC951	056G 139 3A	PC123Y22FZOF
PC953	056G 139 3A	PC123Y22FZOF
PC951	056G 139 3B	PC123 Y82FZ0F
PC953	056G 139 3B	PC123 Y82FZ0F
VR901	061G 46 6	TNR10V471K CHEMICON
C906	063G 10722410S	X2 CAP 0.22UF 275VAC
C907	063G 10722410S	X2 CAP 0.22UF 275VAC
C801	065G 3J5096ET	5PF 5% SL 3KV
C803	065G 3J5096ET	5PF 5% SL 3KV
C804	065G 3J5096ET	5PF 5% SL 3KV
C805	065G 3J5096ET	5PF 5% SL 3KV
C902	065G306M1022BM	Y1.CAP.001UF 250VAC MURATA
C901	065G306M1022BM	Y1.CAP.001UF 250VAC MURATA
C902	065G306M1022BP	1000PF Y1.CAP
C901	065G306M1022BP	1000PF Y1.CAP
C903	065G306M2222BP	2200PF +-20% 400VAC
C905	065G306M3322BM	3300PF +-20% 250VAC
C905	065G306M3322BP	3300PF 20%
C912	067G215S10115K	100UF 450V
C912	067G215S10115N	PAG450VB100-M-L18*35.5MM
C912	067G305R10115H	ELCAP 105℃ 100UF M 450V
FB903	071G 55 29	FERRITE BEAD
L901	073G 174 65 H	LINE FILTER
L901	073G 174 65 LS	LINE FILTER BY LISHIN
L954	073G 253171 LS	CHOKE COIL 3.3UH
L954	073G 253171 YS	IND CHOKE 2.13uH+-20% TOP NATION
L902	073L 174 48 LG	LINE FILTER
T801	080GL20T 9 DN	TRANSFORMER
T803	080GL20T 9 DN	TRANSFORMER
T804	080GL20T 9 DN	TRANSFORMER
T805	080GL20T 9 DN	TRANSFORMER

T901	080GL20T 21 T	X'FMR 400uH SRW3220PQ-T41V016 TDK
CN901	087G 501 32 S	AC SOCKET
BD901	093G 50460900	BRIDEGE DIODE GBU408 LITEON
D904	093G1100 952T	UF4007
CN903	095G801414W682	WIRE HARNESS
	705GQC1 57001	Q902 ASSA'Y
	705GQC1 61001	R941 ASSA'Y
	705GQC1 61002	R940 ASSA'Y
	705GQC1 93001	D907 ASSA'Y
	705GQC1 93002	D952 ASSA'Y
	705GQCK0 61003	RT901 ASS'Y
	705GQCK0 96001	R957 ASSA'Y
CN931	DCPF1205A7P	DC TO DC BOARD
U401	056G 562149	IC TSUMU58WHJ-LF PQFP-128
U702	056G 563 7	IC AIC1084-33PMTR-R AIC
U404	056G1133 34	M24C02-WMN6TP
U402	056G1133 63	IC PM25LV010-25 SCE SOIC-8 PMC
U403	056G113356A	24LC16B/SNG SOIC-8PIN
Q703	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q701	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q402	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q401	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q705	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q403	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q702	057G 417 17 T	PZT2907A
Q704	057G 763 1	A03401 SOT23 BY AOS(A1)
R721	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R500	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R421	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R419	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
FB412	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
FB411	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
FB410	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R476	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W
R477	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W
R478	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W
R479	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W
R453	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R429	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R428	061G0603101	RST CHIPR 100 OHM +-5% 1/10W

R454	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R488	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R704	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R445	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R441	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R442	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R443	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R427	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R420	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R418	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R411	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R446	061G0603102	RST CHIP 1K 1/10W 5%
R447	061G0603102	RST CHIP 1K 1/10W 5%
R470	061G0603102	RST CHIP 1K 1/10W 5%
R701	061G0603102	RST CHIP 1K 1/10W 5%
R717	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R714	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R711	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R708	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R492	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R490	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R489	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R487	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R452	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R451	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R450	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R444	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R426	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R425	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R424	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R415	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R413	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R408	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R406	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R404	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R723	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R727	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R414	061G0603121	RST CHIPR 120 OHM +-5% 1/10W
R409	061G0603121	RST CHIPR 120 OHM +-5% 1/10W
R709	061G0603153	RST CHIPR 15KOHM +-5% 1/10W

R502	061G0603200	RST CHIPR 20 OHM +-5% 1/10W
R501	061G0603200	RST CHIPR 20 OHM +-5% 1/10W
R703	061G0603202	RST CHIPR 2 KOHM +-5% 1/10W
R448	061G0603222	RST CHIPR 2.2 KOHM +-5% 1/10W
R449	061G0603222	RST CHIPR 2.2 KOHM +-5% 1/10W
R405	061G0603223	RST CHIPR 22 KOHM +-5% 1/10W
R403	061G0603390 0F	RST CHIPR 390 OHM +-1% 1/10W
R474	061G0603392	RST CHIPR 3.9 KOHM +-5% 1/10W
R475	061G0603392	RST CHIPR 3.9 KOHM +-5% 1/10W
R437	061G0603471	RST CHIPR 470 OHM +-5% 1/10W
R422	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R423	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R705	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R707	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R712	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R725	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R702	061G0603510	RST CHIPR 51 OHM +-5% 1/10W
R434	061G0603560	RST CHIPR 56 OHM +-5% 1/10W
R435	061G0603560	RST CHIPR 56 OHM +-5% 1/10W
R436	061G0603560	RST CHIPR 56 OHM +-5% 1/10W
R438	061G0603750	RST CHIPR 75 OHM +-5% 1/10W
R439	061G0603750	RST CHIPR 75 OHM +-5% 1/10W
R440	061G0603750	RST CHIPR 75 OHM +-5% 1/10W
R720	061G1206151	RST CHIPR 150 OHM +-5% 1/4W
R719	061G1206151	RST CHIPR 150 OHM +-5% 1/4W
C435	065G0603102 32	1000PF +-10% 50V X7R
C407	065G0603104 32	CHIP 0.1UF 50V X7R
C406	065G0603104 32	CHIP 0.1UF 50V X7R
C405	065G0603104 32	CHIP 0.1UF 50V X7R
C409	065G0603104 32	CHIP 0.1UF 50V X7R
C410	065G0603104 32	CHIP 0.1UF 50V X7R
C411	065G0603104 32	CHIP 0.1UF 50V X7R
C455	065G0603104 32	CHIP 0.1UF 50V X7R
C456	065G0603104 32	CHIP 0.1UF 50V X7R
C457	065G0603104 32	CHIP 0.1UF 50V X7R
C458	065G0603104 32	CHIP 0.1UF 50V X7R
C459	065G0603104 32	CHIP 0.1UF 50V X7R
C460	065G0603104 32	CHIP 0.1UF 50V X7R
C461	065G0603104 32	CHIP 0.1UF 50V X7R
C701	065G0603104 32	CHIP 0.1UF 50V X7R

C709	065G0603104 32	CHIP 0.1UF 50V X7R
C711	065G0603104 32	CHIP 0.1UF 50V X7R
C713	065G0603104 32	CHIP 0.1UF 50V X7R
C714	065G0603104 32	CHIP 0.1UF 50V X7R
C719	065G0603104 32	CHIP 0.1UF 50V X7R
C721	065G0603104 32	CHIP 0.1UF 50V X7R
C412	065G0603104 32	CHIP 0.1UF 50V X7R
C413	065G0603104 32	CHIP 0.1UF 50V X7R
C414	065G0603104 32	CHIP 0.1UF 50V X7R
C415	065G0603104 32	CHIP 0.1UF 50V X7R
C416	065G0603104 32	CHIP 0.1UF 50V X7R
C419	065G0603104 32	CHIP 0.1UF 50V X7R
C420	065G0603104 32	CHIP 0.1UF 50V X7R
C422	065G0603104 32	CHIP 0.1UF 50V X7R
C426	065G0603104 32	CHIP 0.1UF 50V X7R
C427	065G0603104 32	CHIP 0.1UF 50V X7R
C428	065G0603104 32	CHIP 0.1UF 50V X7R
C429	065G0603104 32	CHIP 0.1UF 50V X7R
C430	065G0603104 32	CHIP 0.1UF 50V X7R
C444	065G0603104 32	CHIP 0.1UF 50V X7R
C404	065G0603104 32	CHIP 0.1UF 50V X7R
C402	065G0603104 32	CHIP 0.1UF 50V X7R
C401	065G0603104 32	CHIP 0.1UF 50V X7R
C442	065G0603220 31	CER1 0603 NP0 50V 22P PM
C443	065G0603221 32	CHIP 220PF 50V X7R
C715	065G0603223 32	CHIP 0.022UF 50V X7R 0603
C425	065G0603224 22	CHIP 0.22UF 25V X7R
C417	065G0603224 22	CHIP 0.22UF 25V X7R
C441	065G0603473 32	CHIP 0.047UF 50V X7R
C440	065G0603473 32	CHIP 0.047UF 50V X7R
C439	065G0603473 32	CHIP 0.047UF 50V X7R
C438	065G0603473 32	CHIP 0.047UF 50V X7R
C437	065G0603473 32	CHIP 0.047UF 50V X7R
C436	065G0603473 32	CHIP 0.047UF 50V X7R
C434	065G0603473 32	CHIP 0.047UF 50V X7R
C433	065G0603473 32	CHIP 0.047UF 50V X7R
C432	065G0603473 32	CHIP 0.047UF 50V X7R
C423	065G0603560 31	CHIP 56PF 50V NPO
C421	065G0603560 31	CHIP 56PF 50V NPO
L702	071G 56K121	CHIP BEAD

L703	071G 56K121	CHIP BEAD
FB405	071G 56Z601	CHIP BEAD 600 OHM 0805
FB404	071G 56Z601	CHIP BEAD 600 OHM 0805
FB403	071G 56Z601	CHIP BEAD 600 OHM 0805
FB402	071G 56Z601	CHIP BEAD 600 OHM 0805
FB401	071G 56Z601	CHIP BEAD 600 OHM 0805
FB409	071G 59B121	TB160808B
D406	093G 39149	MLL5232B BY FULL POWER SMT
D408	093G 39149	MLL5232B BY FULL POWER SMT
D409	093G 39149	MLL5232B BY FULL POWER SMT
D410	093G 39149	MLL5232B BY FULL POWER SMT
D411	093G 39149	MLL5232B BY FULL POWER SMT
D412	093G 39149	MLL5232B BY FULL POWER SMT
D405	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D404	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D403	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D407	093G 64 42 P	BAV70 SOT-23
D702	093G 6432P	LL4148
D425	093G 39S 45 T	DIODE ZENER RLZ36B ROHM
D402	093G 39S 45 T	DIODE ZENER RLZ36B ROHM
D401	093G 39S 45 T	DIODE ZENER RLZ36B ROHM
D701	093G1020 1 S	GS1D
D704	093G2004 2	SR24/PANJIT-SMT
	715G2186 1	MAIN BOARD PCB
CN1	033G8034 9A GP	WAFER
SW101	077G 604 2 TO	TACT 5W BY TOUKE TS-9-TMG-553
SW102	077G 604 2 TO	TACT 5W BY TOUKE TS-9-TMG-553
SW103	077G 604 2 TO	TACT 5W BY TOUKE TS-9-TMG-553
SW104	077G 604 2 TO	TACT 5W BY TOUKE TS-9-TMG-553
SW105	077G 604 2 TO	TACT 5W BY TOUKE TS-9-TMG-553
SW106	077G 604 2 TO	TACT 5W BY TOUKE TS-9-TMG-553
D107	081G 14501 KT	CHIP LED
D109	093G 39P599 T	MM3Z5V6B
D108	093G 39P599 T	MM3Z5V6B
D106	093G 39P599 T	MM3Z5V6B
D105	093G 39P599 T	MM3Z5V6B
D104	093G 39P599 T	MM3Z5V6B
D101	093G 39P599 T	MM3Z5V6B
D102	093G 39P599 T	MM3Z5V6B
D103	093G 39P599 T	MM3Z5V6B

D104	093G 39S 34 T	UDZS5.6B
D106	093G 39S 34 T	UDZS5.6B
D105	093G 39S 34 T	UDZS5.6B
D109	093G 39S 34 T	UDZS5.6B
D108	093G 39S 34 T	UDZS5.6B
D103	093G 39S 34 T	UDZS5.6B
D102	093G 39S 34 T	UDZS5.6B
D101	093G 39S 34 T	UDZS5.6B
	715G2112 2	KEY BOARD PCB
Q902	057G 667 21	STP10NK70ZFP
Q902	057G 667516	FET 2SK3673 TO-220 FUJI
	0M1G1730 8120	SCREW
HS1	Q90G0010 1	HEAT SINK
R941	061G152M20858F	RST MOFR 0.2OHM +-5% 2W
FOR R941	096G 29 6	H.S. TUBE
R940	061G152M10458F	100K OHM 5% 2W
FOR R940	096G 29 6	H.S. TUBE
D907	093G 60239	FME-210B T0-220
D907	093G 60245	SP10150
D907	093G 60261	DIODE
	0M1G1730 8120	SCREW
HS4	Q90G0012 1	HEAT SINK
D952	093G 60244	SRF20200C
D952	093G 60283	DIODE MBRF20200CT 20A/200V ITO-220AB
	0M1G1730 8120	SCREW
HS2	Q90G0011 1	HEAT SINK
RT901	061G 58030 W	NTCR 3 欧 5A
	096G 29 10	H.S. TUBE
R957	061G152M22158F	RST MOFR 220OHM +-5% 2W
	096G 29 6	H.S. TUBE
CN801	033T800913Z H	PIN HEADER 1*13 R/A
C806	067T215Y4713NV	LOW ESR 470UF 16V NCC
C807	067T215Y4713NV	LOW ESR 470UF 16V NCC
C806	067T215Y4713RV	EC 105℃ 470UF M 16V YXG SERIES 8*16MM
C807	067T215Y4713RV	EC 105℃ 470UF M 16V YXG SERIES 8*16MM
C801	067T405V221 4P	105℃ 220UF M 25V
	DC1205A7SMTP	DC TO DC BOARD FOR SMT
IC902	056G 379 61	LD7575PS SOP-8

IC801	056G 608 7	OZT1060GN SOIC-20
Q802	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q957	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q808	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q815	057G 759 2	RK7002
Q813	057G 759 2	RK7002
Q812	057G 759 2	RK7002
Q811	057G 759 2	RK7002
Q809	057G 759 2	RK7002
Q807	057G 759 2	RK7002
Q801	057G 760 4	DTA144WKA BY ROHM SMT
Q801	057G 760 4A	DTA144WN3/S SOT-23
Q806	057G 763 40	FET AM4541C-T1-PF SOIC-8 ANALOG POWER
Q803	057G 763 40	FET AM4541C-T1-PF SOIC-8 ANALOG POWER
R810	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R826	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R844	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
RJ202	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R834	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W
R843	061G0603100 4F	RST CHIPR 1 MOHM +-1% 1/10W
R841	061G0603100 4F	RST CHIPR 1 MOHM +-1% 1/10W
R840	061G0603100 4F	RST CHIPR 1 MOHM +-1% 1/10W
R838	061G0603100 4F	RST CHIPR 1 MOHM +-1% 1/10W
R809	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R811	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R839	061G0603120 1F	RST CHIPR 1.2KOHM +-1% 1/10W
R956	061G0603130 3F	RST CHIPR 130KOHM +-1% 1/10W
R813	061G0603200 3F	RST CHIPR 200KOHM +-1% 1/10W
C821	061G0603205	RST CHIPR 2 MOHM +-5% 1/10W
R954	061G0603242	RST CHIPR 2.4 KOHM +-5% 1/10W
R953	061G0603270 1F	RST CHIPR 2.7 KOHM +-1% 1/10W
R904	061G0603330 2F	RST CHIPR 33 KOHM +-1% 1/10W
R827	061G0603330 2F	RST CHIPR 33 KOHM +-1% 1/10W
R824	061G0603393	RST CHIPR 39 KOHM +-5% 1/10W
R830	061G0603510 2F	RST CHIPR 51 KOHM +-1% 1/10W
R835	061G0603620 1F	RST CHIPR 6.2KOHM +-1% 1/10W
R815	061G0603750 2F	RST CHIPR 75KOHM +-1% 1/10W
R846	061G0805000	0 OHM 1/10W
R958	061G0805000	0 OHM 1/10W
R806	061G0805100 2F	RST CHIPR 10KOHM +-1% 1/8W

R805	061G0805100 2F	RST CHIPR 10KOHM +-1% 1/8W
R804	061G0805102	CHIP 1KOHM 1/10W
R814	061G0805102	CHIP 1KOHM 1/10W
R822	061G0805102	CHIP 1KOHM 1/10W
R829	061G0805102	CHIP 1KOHM 1/10W
R831	061G0805105	1MOHM 1/10W
R812	061G0805200 3F	RST CHIPR 200 KOHM +-1% 1/8W
R845	061G0805333	RST CHIPR 33 KOHM +-5% 1/8W
R807	061G0805470 0F	RST CHIPR 470 OHM +-1% 1/8W
R817	061G0805470 0F	RST CHIPR 470 OHM +-1% 1/8W
R823	061G0805470 0F	RST CHIPR 470 OHM +-1% 1/8W
R832	061G0805470 0F	RST CHIPR 470 OHM +-1% 1/8W
R820	061G0805620 2F	RST CHIPR 62 KOHM +-1% 1/8W
JR905	061G1206000	0 OHM 1/8W
JR219	061G1206000	0 OHM 1/8W
JR214	061G1206000	0 OHM 1/8W
JR213	061G1206000	0 OHM 1/8W
JR212	061G1206000	0 OHM 1/8W
JR211	061G1206000	0 OHM 1/8W
JR210	061G1206000	0 OHM 1/8W
JR207	061G1206000	0 OHM 1/8W
JR206	061G1206000	0 OHM 1/8W
JR205	061G1206000	0 OHM 1/8W
JR201	061G1206000	0 OHM 1/8W
R908	061G1206100	10 OHM 1/8W
R816	061G1206100	10 OHM 1/8W
R938	061G1206100	10 OHM 1/8W
R939	061G1206100 3F	RST CHIPR 100 KOHM +-1% 1/4W
R802	061G1206101	100 1206
R905	061G1206101	100 1206
R906	061G1206101	100 1206
R907	061G1206101	100 1206
R917	061G1206103	10 KOHM 1/8W
R9759	061G1206202	RST CHIPR 2 KOHM +-5% 1/4W
R9757	061G1206202	RST CHIPR 2 KOHM +-5% 1/4W
R801	061G1206242	RST CHIPR 2.4 KOHM +-5% 1/4W
R964	061G1206470	47 1206
R965	061G1206470	47 1206
R966	061G1206470	47 1206
R943	061G1206471	470 1206

R927	061G1206472	RST CHIPR 4.7 KOHM +-5% 1/4W
R928	061G1206472	RST CHIPR 4.7 KOHM +-5% 1/4W
R929	061G1206472	RST CHIPR 4.7 KOHM +-5% 1/4W
R9760	061G1206682	RST CHIPR 6.8 KOHM +-5% 1/4W
R901	061G1206684	RST CHIPR 680 KOHM +-5% 1/4W
R902	061G1206684	RST CHIPR 680 KOHM +-5% 1/4W
R903	061G1206684	RST CHIPR 680 KOHM +-5% 1/4W
JR901	061L1206000	CHIPR 0 OHM +-5% 1/8W
C852	065G0603104 32	CHIP 0.1UF 50V X7R
C853	065G0603104 32	CHIP 0.1UF 50V X7R
C967	065G0603104 32	CHIP 0.1UF 50V X7R
C961	065G0603104 32	CHIP 0.1UF 50V X7R
C957	065G0603104 32	CHIP 0.1UF 50V X7R
C857	065G0603104 32	CHIP 0.1UF 50V X7R
C855	065G0603104 32	CHIP 0.1UF 50V X7R
C854	065G0603104 32	CHIP 0.1UF 50V X7R
C847	065G0603104 32	CHIP 0.1UF 50V X7R
C833	065G0603104 32	CHIP 0.1UF 50V X7R
C832	065G0603104 32	CHIP 0.1UF 50V X7R
C827	065G0603104 32	CHIP 0.1UF 50V X7R
C822	065G0603104 32	CHIP 0.1UF 50V X7R
C815	065G0603104 32	CHIP 0.1UF 50V X7R
C814	065G0603104 32	CHIP 0.1UF 50V X7R
C920	065G0603223 32	CHIP 0.022UF 50V X7R 0603
C930	065G0603471 31	CAP:CER 470PF 5%50V SMT 0603
C846	065G0603472 32	CHIP 4700PF 50V X7R
C839	065G0603472 32	CHIP 4700PF 50V X7R
C825	065G0603472 32	CHIP 4700PF 50V X7R
C820	065G0603472 32	CHIP 4700PF 50V X7R
C9753	065G0603474 12	MLCC 0603 0.47UF K 16V X7R
C828	065G0603474 12	MLCC 0603 0.47UF K 16V X7R
C835	065G0603682 32	CHIP 0.0068UF 50V X7R 0603
C830	065G0603682 32	CHIP 0.0068UF 50V X7R 0603
C829	065G0805105 22	CHIP 1UF 25V X7R 0805
C823	065G0805105 22	CHIP 1UF 25V X7R 0805
C819	065G0805105 22	CHIP 1UF 25V X7R 0805
C818	065G0805105 22	CHIP 1UF 25V X7R 0805
C826	065G080522131G	220PF 50V NPO 2%
C966	065G1206102 72	CHIP 1000PF 500V X7R
C908	065G1206102 72	CHIP 1000PF 500V X7R

ZD951	065G1206104 32	CHIP 0.1UF 25V X7R 1206
C840	065G1206105 32	CHIP 1UF 50V X7R 1206
C836	065G1206105 32	CHIP 1UF 50V X7R 1206
C817	065G1206105 32	CHIP 1UF 50V X7R 1206
C807	065G1206105 32	CHIP 1UF 50V X7R 1206
D815	093G 6432S	IN4148W
D816	093G 6432S	IN4148W
D817	093G 6432S	IN4148W
D819	093G 6432S	IN4148W
D905	093G 6432S	IN4148W
D9553	093G 6432S	IN4148W
D9757	093G 6432S	IN4148W
D810	093G 6432S	IN4148W
D9553	093G 6432V	LL4148-GSO8
D905	093G 6432V	LL4148-GSO8
D819	093G 6432V	LL4148-GSO8
D9757	093G 6432V	LL4148-GSO8
D9756	093G 6432V	LL4148-GSO8
D810	093G 6432V	LL4148-GSO8
D815	093G 6432V	LL4148-GSO8
D816	093G 6432V	LL4148-GSO8
D817	093G 6432V	LL4148-GSO8
D805	093G 6433P	BAV99
D806	093G 6433P	BAV99
D807	093G 6433P	BAV99
D808	093G 6433P	BAV99
D801	093G 6433P	BAV99
D803	093G 6433P	BAV99
D809	093G 6433P	BAV99
D812	093G 6433P	BAV99
ZD802	093G 39S 24 T	RLZ 5.6B LLDS
ZD803	093G 39S 24 T	RLZ 5.6B LLDS
ZD801	093G 39S 24 T	RLZ 5.6B LLDS
D950	093G 39S 99 T	TVS SMAJ24A SMA
D827	093G3004 4	RB050L-40
D826	093G3004 4	RB050L-40
D821	093G3004 4	RB050L-40
D820	093G3004 4	RB050L-40
	034FPF20P01	BOBBIN
IC801	056T 133 32 NS	LM3485

Q801	057T 763 3	AO4411L SO-8 BY AOS SMT
Q801	057T 763 4	RSS050P03
R803	061T0603200 2F	RST CHIPR 20 KOHM +-1% 1/10W
R801	061T0603360 2F	RST CHIPR 36 KOHM +-1% 1/10W
R802	061T0603620 2F	RST CHIPR 62 KOHM +-1% 1/10W
R804	061T1206220	RST CHIPR 22 OHM +-5% 1/4W
C804	065G060310332K	CAP CHIP 0603 10N 50V X7R +/-10%
C803	065T0603102 32	CHIP 1000PF 50V X7R
C809	065T0603104 32	CHIP 0.1UF 50V X7R
C805	065T0603471 31	CHIP 470PF 50V NPO
C808	065T0805102 32	CHIP 1000P 50VX7R 0805
C810	065T0805102 32	CHIP 1000P 50VX7R 0805
C802	065T0805105 22	CHIP 1UF 25V X7R 0805
L801	073T M5822020T	22UH +-20%
D801	093T8004 2	SBM84PT
	715T1278 4	PCB
CN901	006G 31500	EYELET
Q902	006G 31502	1.5MM RIVET
T901	006G 31502	1.5MM RIVET
C912	006G 31502	1.5MM RIVET
L901	006G 31502	1.5MM RIVET
T801	006G 31502	1.5MM RIVET
T803	006G 31502	1.5MM RIVET
T804	006G 31502	1.5MM RIVET
T805	006G 31502	1.5MM RIVET
RT901	006G 31502	1.5MM RIVET
L902	006G 31502	1.5MM RIVET
TL951	056G 158 2 T	TL431ACLPR TO-92 3PIN
TL951	056G 158 4 T	H431BA
Q958	057G 566 1	2N5060RLRAG
Q958	057G 566 4	MCR100-6SCR
R951	061G 17147152T	RST CFR 470 OHM +-2% 1/4W
R9758	061G 17233252T	3.3K 1/4W
R952	061G 20012352T	RST MFR 12KOHM +-1% 1/4W
C913	065G 1K152 1T6052	1.5nF /1K Y5P+-10%
C940	067G215Y2207KT	CAP 105℃ 22UF M 50V KINGNICHI
FB901	071G 55 29	FERRITE BEAD
FB902	071G 55 29	FERRITE BEAD
F901	084G 55 7W	FUSE 3.15A 250V Wickmann
ZD9754	093G 3916652T	MTZJ15B (13.89-14.62)

ZD9753	093G 3917252T	MTZJ33B
ZD9755	093G 3952552T	ZENER MTZJ T 6.2B
D906	093G 6026T52T	RECTIFIER DIODE FR107
D906	093G 6026W52T	FR107
	715G2101 2	POWER BOARD PCB

12. Different Parts List

Diversity of TC6MMANPWQXMHP compared with TC6MMADBWQA5HP		
Location	**Part No.**	**Description**
	026G 800504 3	BARCODE LABEL
	041G780061518B	EASE PROGRAM
	041G780061541A	AOC-Kensington Card
	041G780061545B	WARRANTY BOOKLET
	089G 725GAA550	SIGNAL CABLE
	089G402A15N IS	POWER CORD
	089G402A15N LS	POWER CORD
	089G402A15N YH	POWER CORD
	A33G0112 GM 1L	KEY PAD
	A34G0113 GNB3B	BEZEL(22")
	Q34G0112 GMB4B	REAR COVER(22")
	Q40G 22N615 6A	Rating label
	Q44GC004615 5A	CARTON
	Q45G 76 28 C R	PE BAG
	Q41G7800615A69	MEXICO Center list
	Q40G000261555A	POP label

Diversity of TC6MMANQWQACHP compared with TC6MMADBWQA5HP		
Location	**Part No.**	**Description**
	089G402A15N YH	POWER CORD
	A33G0112 GM 1L	KEY PAD
	A34G0113 GNB3B	BEZEL(22")
	Q34G0112 GMB4B	REAR COVER(22")
	Q44GC004615 6A	CARTON
	041G780061513B	INPUT NOT SUPPORT CARD
	041G780061518B	EASE PROGRAM
	041G780061532C	SA CENTER LIST
	041G780061541A	AOC-Kensington Card
	041G780061545B	WARRANTY BOOKLET
	Q45G 76 28 C R	PE BAG
	026G 800504 3	BARCODE LABEL
	Q40G 22N615 5A	Rating label
	089G402A15N IS	POWER CORD
	089G402A15N LS	POWER CORD
	089G 725GAA550	SIGNAL CABLE
	Q40G000261555A	POP label