Service
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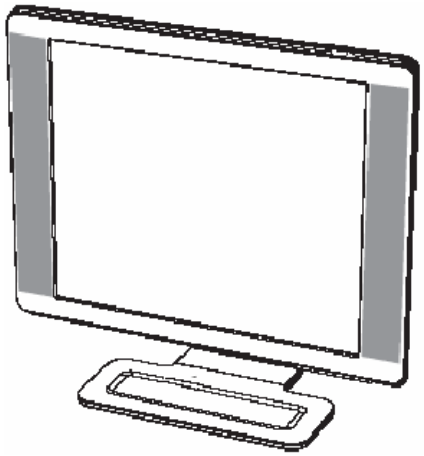

Service Manual

Horizontal Frequency
24- 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	Date	Revision History	TPV Model Name
A00	Jan.-10-08	Initial release	T77GMMNKW2HPDN
			T77HMMNKW2HPDN
A01	May.-11-08	Add new BOM	T77GMMNKW2HFDC
			T77GMMNMW2HPDN
			T77HMMNMW2HPDN
			T77GMMNDW2HPDN
			T77GMMNCW2HPDN
			T77HMMNCW2HPDN
			T77GMMNMW2HEDN
			T77HMMNMW2HEDN
A02	Aug.-19-2008	Add new BOM in item 14	T78GMMNCW2HPDN
			T78GMMNMW2HPDN
			T78GMMNYW2HPDN
A03	Sep.-29-2008	Add new BOM in item 14	T77HMMNMW2HPDC
			T77HMMNCW2HPDC
A04	Oct.-21-2008	Add new BOM in item 14	T78GMMNKW2HPDC
			T78GMMNMW2HPDC
			T78GMMNCW2HPDC
			T78GMMNKW2HPDN
A05	Dec.-2-2008	Add new BOM in item 14	T77HMMNKW2HFDC

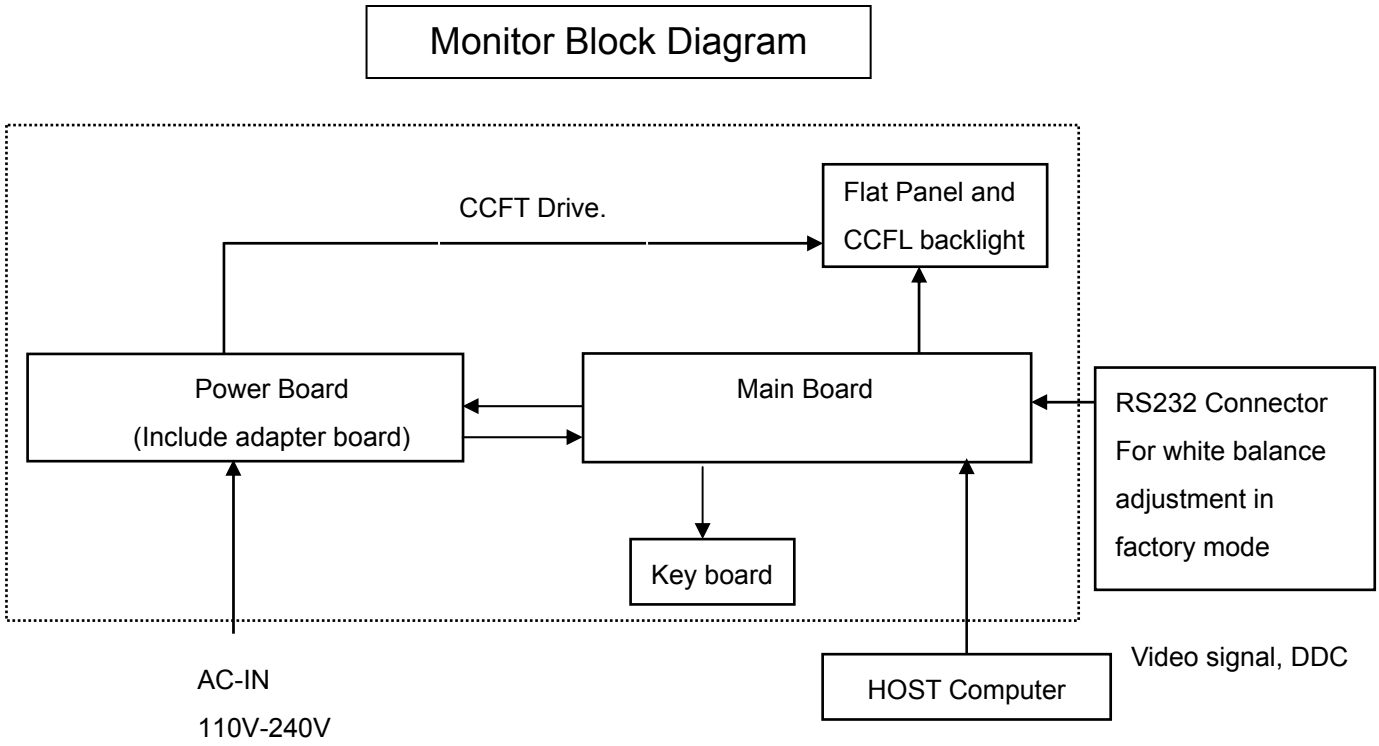
1. Monitor Specification

Display Type:	TFT LCD active matrix
Screen Size:	17.0 in., 43.2 cm
Viewable Image Size:	17.0 in., 43.2 cm diagonal
Tilt:	–5° to +25°
Maximum Weight (unpacked):	8.4 lb, 3.8 kg
Dimensions (including base) (h x w x d):	14.3 x 16.3 x 17.2 in., 362 x 414 x 184 mm
Maximum Graphics Resolution:	1440 x 900 @ 60 Hz analog mode
Optimum Graphics Resolution:	1440 x 900 @ 60 Hz analog mode
Text Mode:	720 x 400
Dot Pitch:	0.283 x 0.284 mm
Horizontal Frequency (analog mode):	24 to 83 kHz
Vertical Refresh Rate (analog mode):	50 to 76 Hz
Environmental Requirements	
Temperature (independent of altitude)	
Operating Temperature:	41° to 95° F, 5° to 35° C
Non-operating Temperature:	–29° to 140° F, –20° to 60° C
Relative Humidity:	20% to 80%
Power Source:	100–240V~, 50/60 Hz
Power Consumption:	49 watts maximum
Sleep Power Consumption:	<2 watts typical

2. LCD Monitor Description

The LCD Monitor will contain main board, 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. Operation Instructions

3.1 General Instructions

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

- The power cord should be connected and insert to adaptor.
- Connect the video cable from the monitor to the computer VGA card.
- Press the power button to turn on the monitor, the power indicator will light up to Aqua-blue.

3.2 Control Button

Front-Panel Controls

Control buttons are located on the front of the panel.

Icon	Description
Power	Turns the monitor on and to a standby or sleep mode.
Menu	Opens, selects or exists the OSD Menu.
	Opens the Quick View menu to quickly adjust settings for gaming, video, photo, and text.
–	Navigates backward through the OSD menu and decreases adjustment levels.
	Adjusts the volume level.
+	Navigates forward through the OSD menu and increases adjustment levels.
Auto	Auto-adjusts the display to the ideal setting.
Select	Enters the selected option.

Using the Onscreen Display (OSD)

You can use My Display OSD software (select models only) or the front-panel control buttons to adjust settings.

1. If the monitor is not already on, press the Power button to turn on the monitor.
2. To access the OSD menu, press the Menu button. The OSD Main Menu displays.
3. To navigate through the Main or Sub-Menu menu, press the **+** (Plus) button on the monitor's front panel to scroll up, or the **–** (Minus) button to scroll in reverse. Then press the Auto/Select button to select the highlighted function.
   - ❏ The menu moves to the top if you scroll down at the bottom of the selections. The menu moves to the bottom if you scroll up at the top of the selections.
4. To adjust the scale of a selected item, press the **+** or **–** button.
5. Select **Save and Return**.
   - ❏ If you don't want to save the setting, select **Cancel** from the Sub-Menu or **Exit** from the Main Menu.
6. Press the Menu button to exit the OSD.

When a menu is displayed, if the buttons are untouched for 30 seconds (factory default), adjustments and settings are saved and the menu closes.

3.3 Adjust the Picture

OSD Menu Selections

The following table lists the On-Screen Display (OSD) menu selections and their functional descriptions. After changing an OSD menu item, and if the menu screen has these options, you may choose to:

- **Cancel** — to return to the previous menu level.
- **Save and Return** — to save all changes and return to the OSD Main Menu screen. This Save and Return option is only active if you change a menu item.
- **Reset** — to change back to the previous setting.

Icon	Main Menu Options	Submenu Options	Description
	Switch Video Input (select models only)		Switches the video input signal source when the monitor is connected to two active and valid video sources.
	Brightness		Adjusts the brightness level of the screen.
	Contrast		Adjusts the contrast level of the screen.
	Image Control		Adjusts the screen image.
		Auto-Adjustment	Automatically adjusts the screen image (VGA Input only).
		Horizontal Position	Adjusts the horizontal position of the picture (VGA Input only).
		Vertical Position	Adjusts the vertical position of the picture (VGA Input only).
		Clock	Minimizes any vertical bars or strips visible on the screen background. Adjusting the Clock will also change the horizontal screen image (VGA Input only).
		Clock Phase	Adjusts the focus of the display. This adjustment allows you to remove any horizontal noise, and clear or sharpen the image of characters (VGA Input only).
		Custom Scaling (select models only)	Selects the method on how displayed information on the monitor will be formatted. Select: *Fill to Screen — image fills the entire screen and might look distorted or elongated because of non-proportional scaling of height and width* *Fill to Aspect Ratio — image is sized to fit the screen and maintains proportional image*
	Color		Selects the screen color. The factory default is 6500 K or Custom Color, depending on the model.
		9300 K	Changes to slightly blueish white.
		6500 K	Changes to slightly reddish white.
		Custom Color	Selects and adjusts your own color scales: *R — sets your own red color levels* *G — sets your own green color levels* *B — sets your own blue color levels*
		sRGB	Sets your screen colors to adapt to the color standards used in the image technology industry.

Icon *(continued)*	Main Menu Options	Submenu Options	Description
	Quick View		Selects viewing mode.
		Movie	Selects the movie mode.
		Photo	Selects the photo mode.
		Gaming	Selects the gaming mode.
		Text	Selects the text mode.
		Custom	Settings saved when user adjusts the Brightness, Contrast, or Color in one of the Quick View options.
	Language		Selects the language in which the OSD menu is displayed. The factory default is English.
	Management		Selects the power-management features of the monitor.
		Volume	Adjusts the volume level.
		OSD Control	Adjusts the position of the OSD menu on the screen. *Horizontal OSD Position — Changes the viewing position of the OSD menu to the left or right area of the screen. The factory default range is 50.* *Vertical OSD Position — Changes the viewing position of the OSD menu to the top or bottom area of the screen. The factory default range is 50.* *OSD Transparency — Adjust to view the background information through the OSD.* *OSD Timeout — Sets the time duration in seconds that for which the OSD is visible after the last button is pressed. The factory default is 30 seconds.*
		Power Saver	Enables the power saving feature.Select: *On* *Off* The factory default is On.
		Mode Display	Displays the resolution, refresh rate, and frequency information on the screen each time the OSD Main Menu is accessed. Select: *On* *Off* The factory default is On or Off, depending on the model.
		Power-On Status Display	Displays the operating status of the monitor each time the monitor is powered on. Select the location to which to display the status: *Top* *Middle* *Bottom* *Off* The factory default is Top or Off, depending on the model.

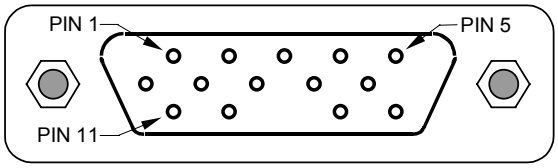
Icon *(continued)*	Main Menu Options	Submenu Options	Description
DDC		DDC/CI Support	Allows the computer to control some OSD menu features such as brightness, contrast, and color temperature. Set to: *On* *Off* The factory default is On.
LED		Bezel Power LED	Turns the light (LED) in the power button On and Off. When set to Off, the light will remain off at all times.
		Sleep Timer	Provides the timer-adjustment menu options: *Set Current Time — sets the current time in hours and minutes* *Set Sleep Time — sets the time you want to place the monitor in sleep mode* *Set on Time — sets the time you want the monitor to wake up from sleep mode* *Timer — sets the Sleep Timer feature On or Off; the default setting is Off* *Sleep Now — immediately sets the monitor to enter sleep mode*
12		Default Video Input	Selects the default video input signal when the monitor is connected to two active and valid video sources. The default is DVI. You must restart the computer to have the change take effect.
i	Information		Selects and displays important information about the monitor.
		Current Settings	Provides the current input video mode.
		Recommended Settings	Provides the recommended resolution mode and refresh rate for the monitor.
		Serial Number	Reports the serial number of the monitor. The serial number is needed if contacting HP technical support.
		Version	Reports the firmware version of the monitor.
		Backlight Hours	Reports the total hours of backlight operation.
		Service Support	For service support, go to: **http://www.hp.com/support**
	Factory Reset		Returns settings to factory defaults.

4. Input / Output Specification

4.1 Input Signal Connector

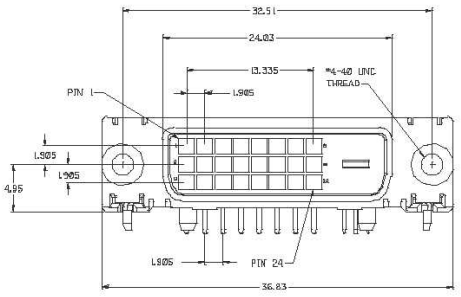
Pin	Signal	Pin	Signal
1	Red Video	9	3.3/+5 V (from PC)
2	Green Video	10	Sync Ground
3	Blue Video	11	None
4	None	12	DDC Data
5	Ground (DDC Return)	13	Horizontal Sync
6	Red GND	14	Vertical Sync
7	Green GND	15	DDC Clock
8	Blue GND		

VGA connector layout



Pin	Signal	Pin	Signal	Pin	Signal
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	+3.3/+5V Power (from PC)	22	TMDS Clock Shield
7	DDC Data	15	Ground (Return for +5V)	23	TMDS Clock +
8	No Connect	16	Hot Plug Detect (connect internally to pin-14)	24	TMDS Clock -

DVI-D digital connector layout



4.2 Factory Preset Display Modes

Factory Preset Video Input Modes, w1707			
Preset	**Resolution**	**Horizontal Frequency (kHz)**	**Vertical Frequency (Hz)**
1	640 x 480	31.4	59.9
2	640 x 480	37.8	72.8
3	720 x 400	31.4	70.0
4	800 x 600	37.8	60.3
5	800 x 600	46.8	75.0
6	832 x 624	49.7	74.5
7	1024 x 768	48.3	60.0
8	1024 x 768	60.0	75.0
9	1152 x 870	68.6	75.0
10	1152 x 900	61.8	65.9
11	1280 x 768	47.4	60.0
12	1280 x 960	60.0	60.0
13	1280 x 1024	64.3	60.0
14	1280 x 1024	79.9	75.0
15	1440 x 900	55.9	59.8

4.3 Power Supply Requirements

Parameter	Range
AC Input Voltage	90 to 265V
AC Input Frequency	45 to 63 Hz
Inrush Current	50A MAX AT 220VAC and 30A AT 120VAC
Leakage Current	5 mA MAX at 120VAC

5. Panel Specification

LM171WX3-TLB2 is a Color Active Matrix Liquid Crystal Display with an integral Cold Cathode Fluorescent Lamp(CCFL) backlight system. The matrix employs a-Si Thin Film Transistor as the active element. It is a transmissive type display operating in the normally white mode. It has a 17.1 inch diagonally measured active display area with WXGA+ resolution (1440 vertical by 900 horizontal pixel array) Each pixel is divided into Red,Green and Blue sub-pixels or dots which are arranged in vertical stripes.

5.1 General Feature

Active Screen Size	17.1 inches(43.3019cm) diagonal (Aspect ratio 16:10)
Outline Dimension	389.2(H)x254.5(V)x11.5(D) mm (Typ.)
Pixel Pitch	0.255mm x 0.255mm
Pixel Format	1440 horiz. By 900 vert. Pixels RGB strip arrangement
Color Depth	16.7M colors
Luminance, White	250 cd/m^2 (Center 1 points Typ.)
Viewing Angle (CR>10)	R/L 160(Typ.), U/D 160(Typ)
Power Consumption	Total 12.92 Watt(Typ.) (2.6 Watt@V_{LCD}, 10.32 Watt@250cd/[Lamp=8mA])
Weight	1360 g (Typ.)
Display Operating Mode	Transmissive mode, normally white
Surface Treatment	Glare treatment of the front polarizer

Absolute Maximum Ratings

Parameter	Symbol	Values		Units	Notes
		Min	Max		
Power Input Voltage	V_{LCD}	-0.3	+4.0	Vdc	at 25 ± 2 °C
Operating Temperature	T_{OP}	0	50	°C	1
Storage Temperature	T_{ST}	-20	60	°C	1
Operating Ambient Humidity	H_{OP}	10	90	%RH	1
Storage Humidity	H_{ST}	10	90	%RH	1

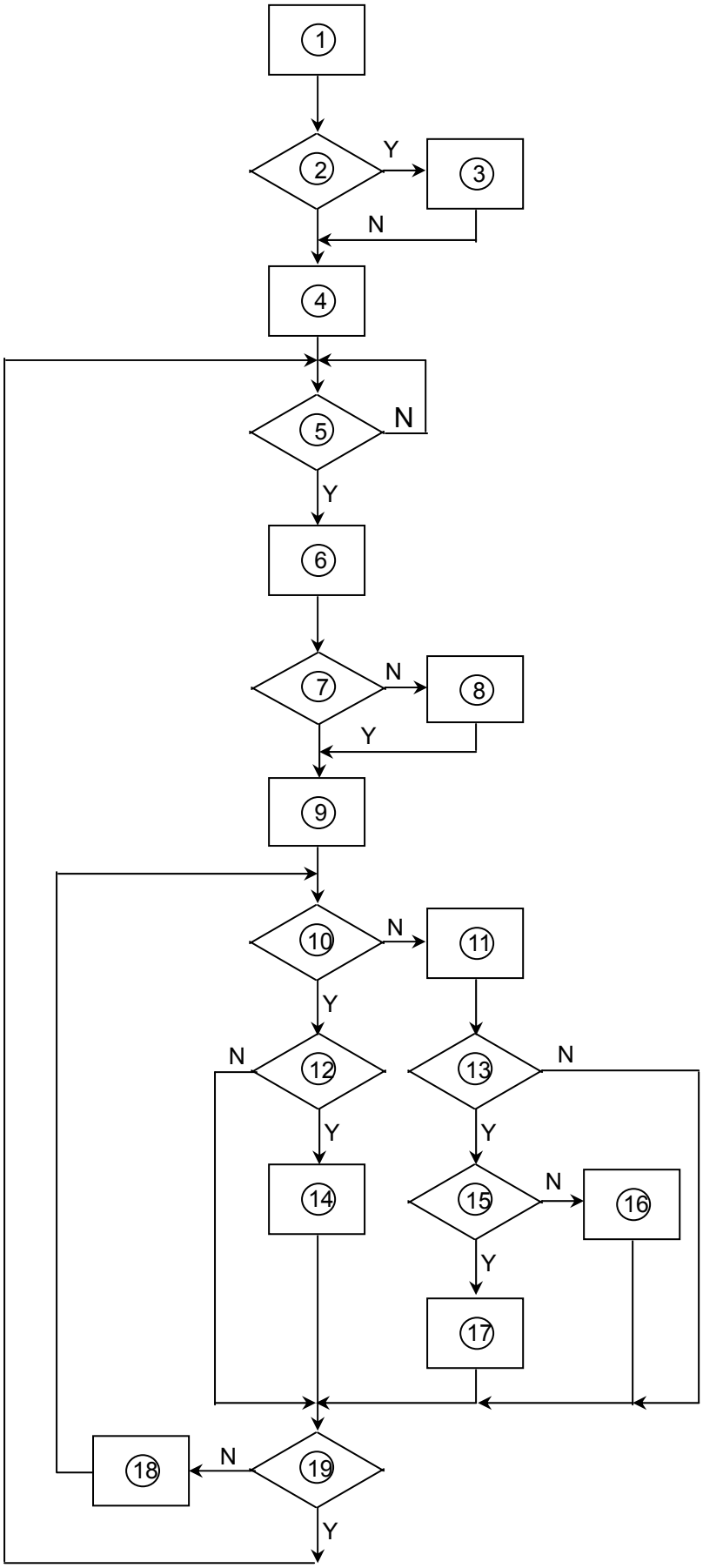
5.2 Optical Characteristics

Ta=25℃，VCC=5.0V

Parameter		Symbol	Values			Units
			Min	Typ	Max	
Contrast Ratio		CR	500	800	-	
Surface Luminance, white		L_{WH}	200	250	-	cd/m²
Luminance Variation		δ_{WHITE}	75			%
Response Time	Rise Time	Tr_R	-	2	5	ms
	Decay Time	Tr_D	-	6	11	ms
Color Coordinates [CIE1931]	RED	Rx	Typ -0.03	0.609	Typ +0.03	
		Ry		0.339		
	GREEN	Gx		0.307		
		Gy		0.592		
	BLUE	Bx		0.150		
		By		0.095		
	WHITE	Wx		0.313		
		Wy		0.329		
Viewing Angle (CR>10)				160/160		
	x axis, right(ϕ=0°)	θr	70	80	-	degree
	x axis, left (ϕ=180°)	θl	70	80	-	
	y axis, up (ϕ=90°)	θu	60	75	-	
	y axis, down (ϕ=270°)	θd	70	85	-	
Gray Scale			1.9	2.2	2.5	
Cross talk					1.5	%

6. Block diagram

6. 1 Software Flow Chart

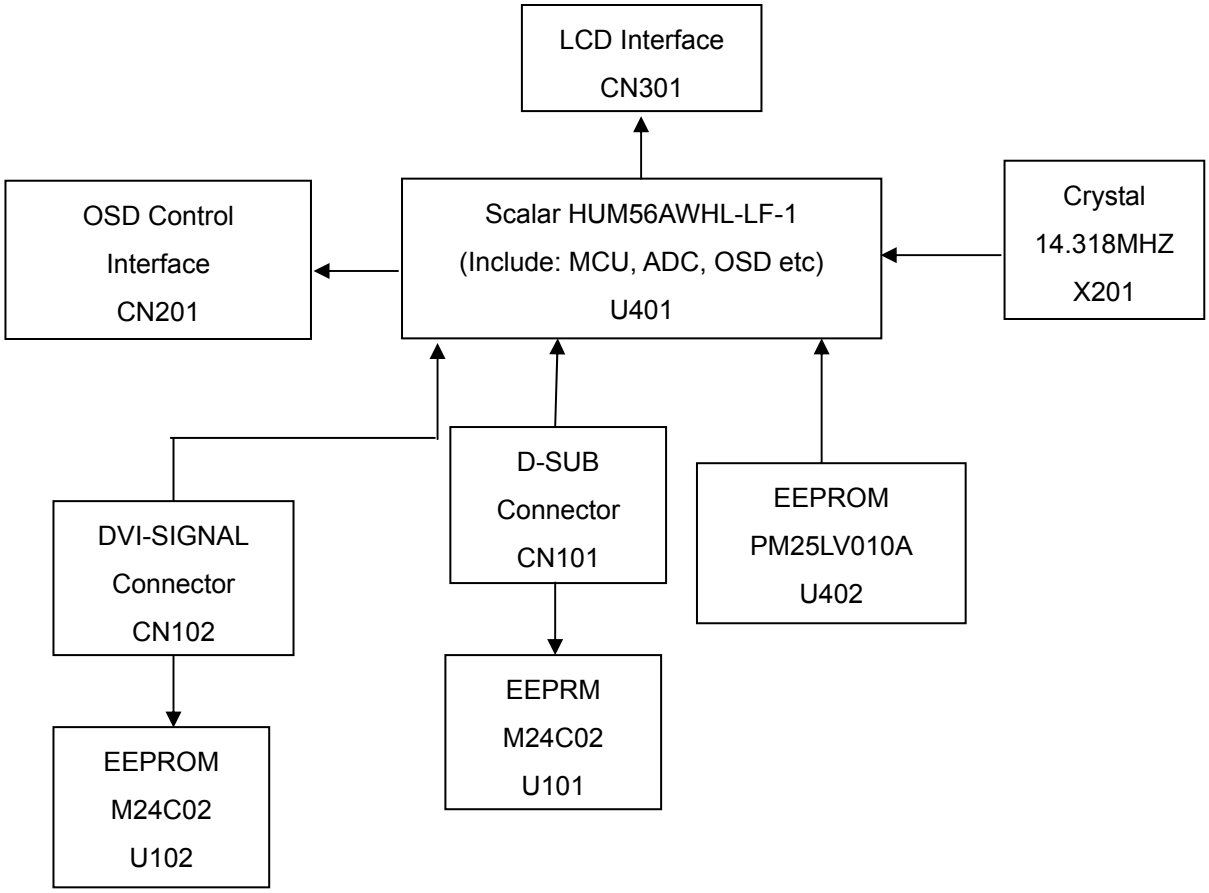


REMARK:

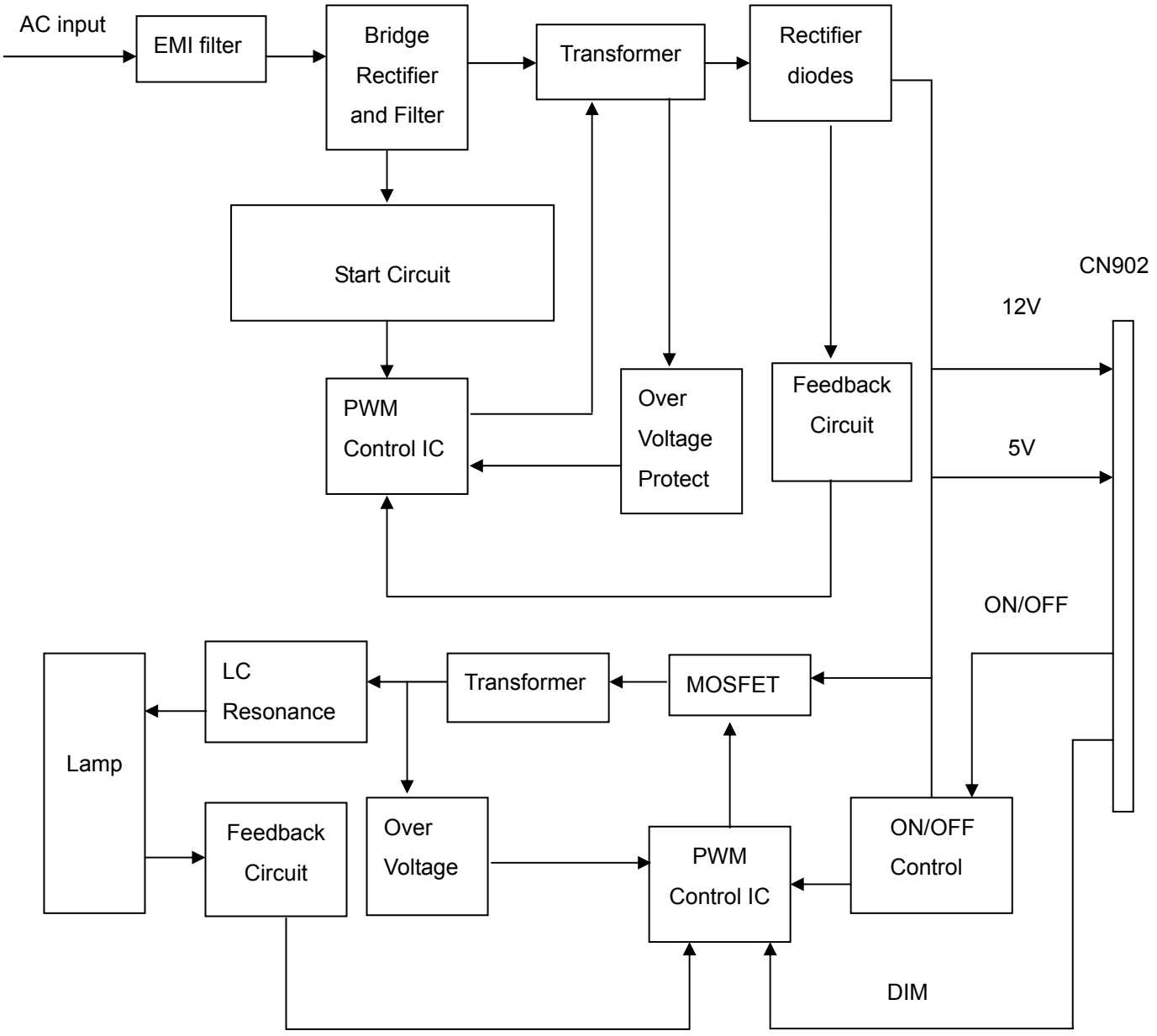
1) MCU initialize.
2) Is the EEprom blank?
3) Program the EEprom by default values.
4) Get the PWM value of brightness from EEprom.
5) Is the power key pressed?
6) Clear all global flags.
7) Are the AUTO and SELECT keys pressed?
8) Enter factory mode.
9) Save the power key status into EEprom. Turn on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

6.2.1 Scalar Board

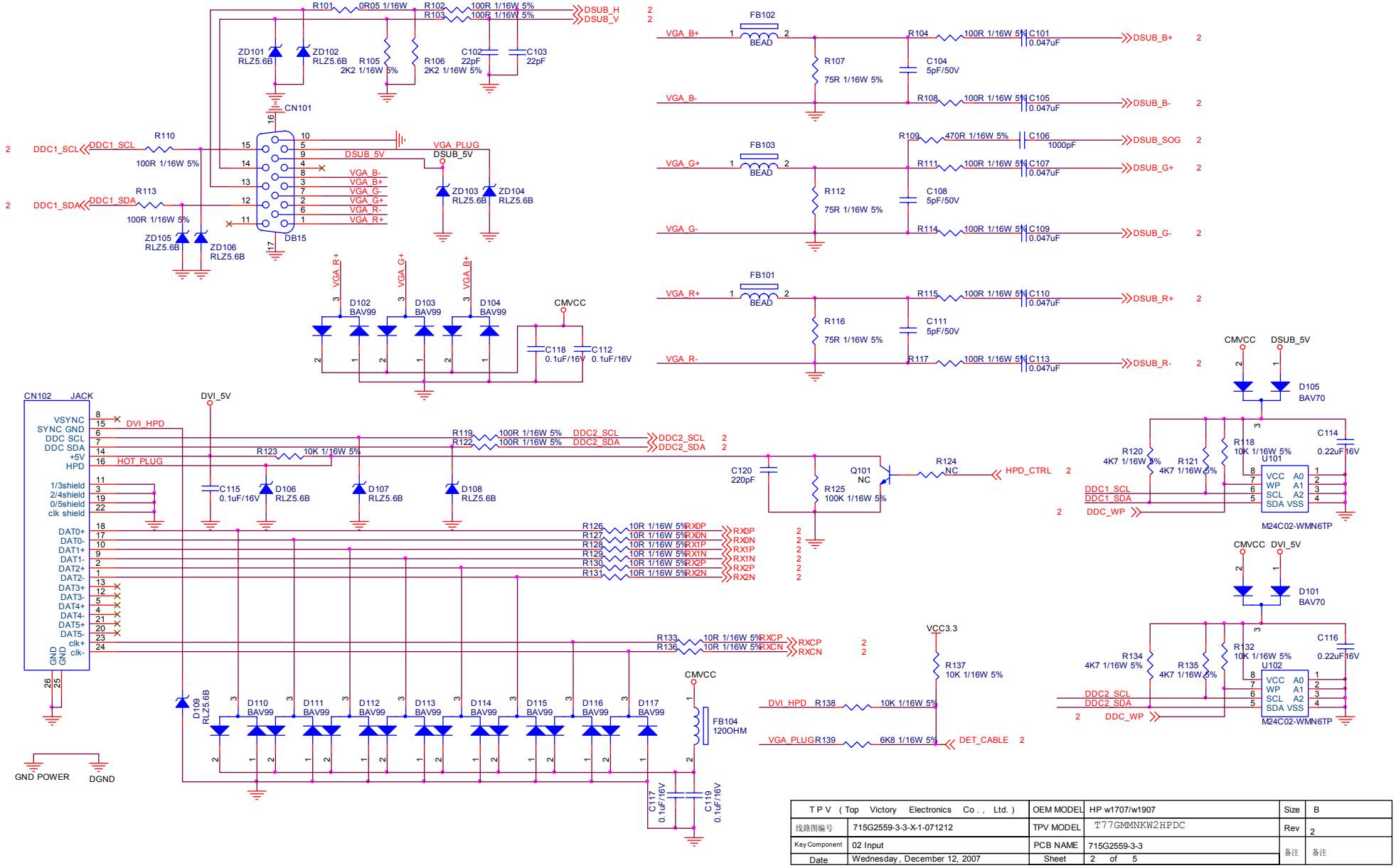


6.2.2 Inverter / Power Board

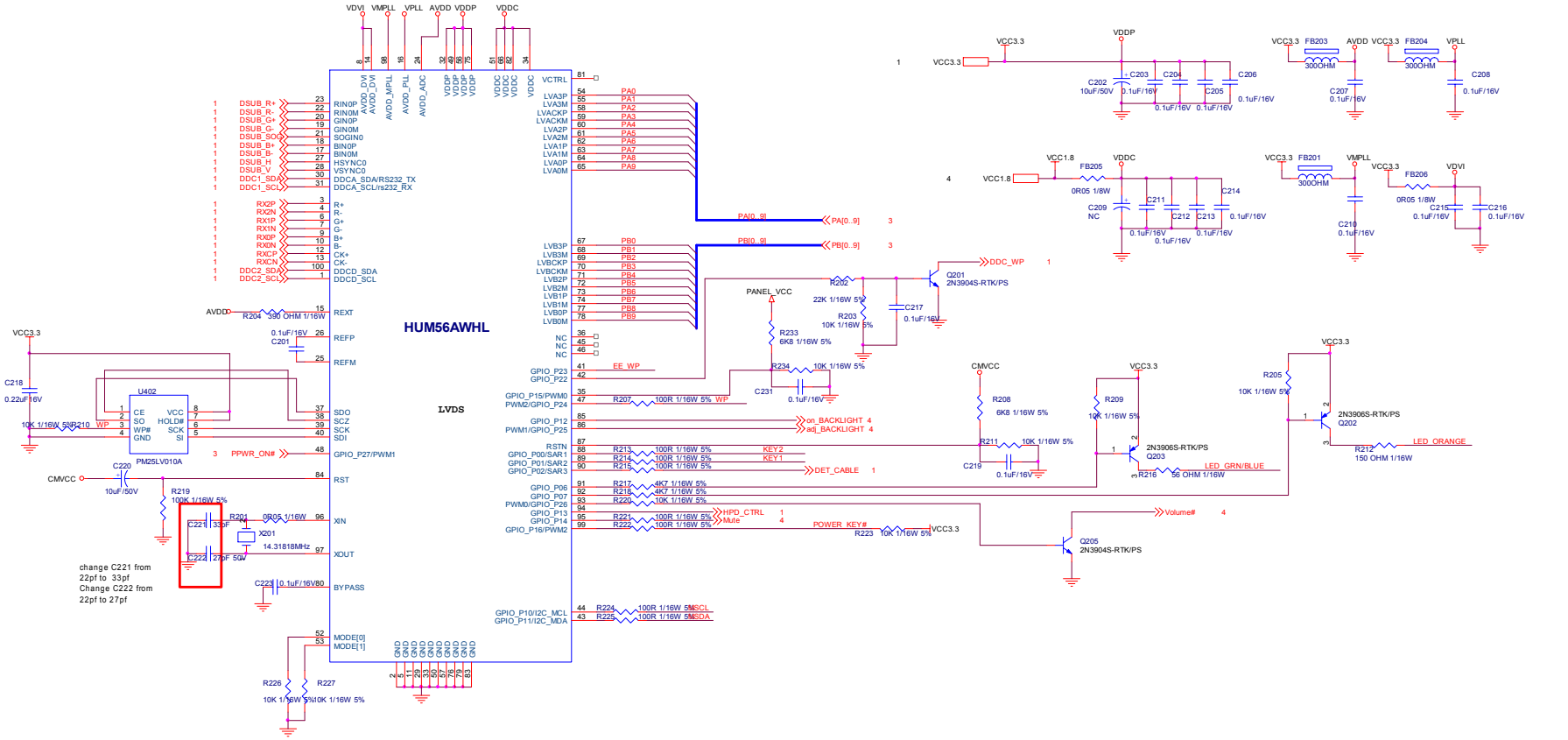


7. Schematic

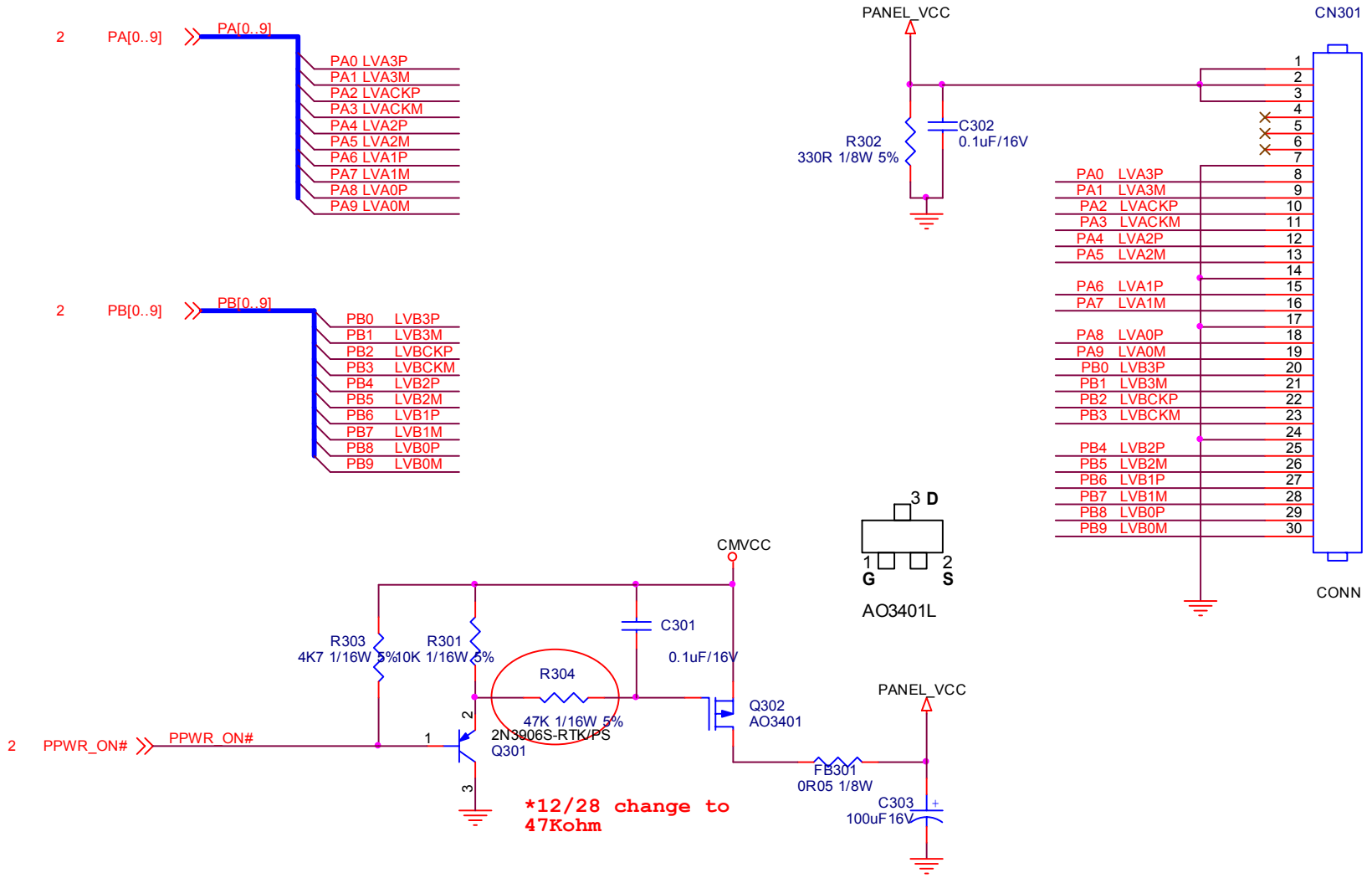
7.1 Main Board



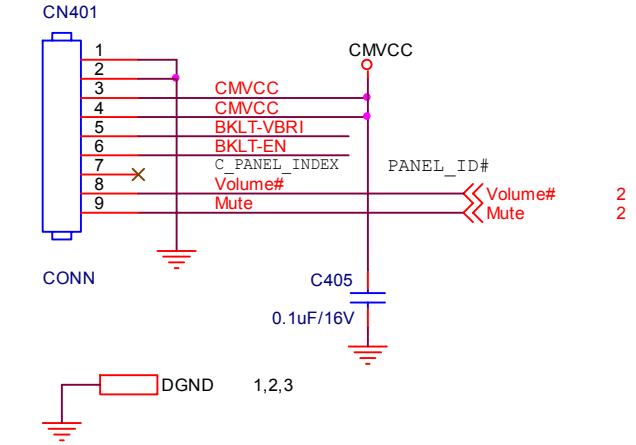
T P V （Top Victory Electronics Co . , Ltd. ）		OEM MODEL	HP w1707/w1907	Size	B
线路图编号	715G2559-3-3-X-1-071212	TPV MODEL	T77GMMNKW2HPDC	Rev	2
Key Component	02 Input	PCB NAME	715G2559-3-3	备注	备注
Date	Wednesday , December 12, 2007	Sheet	2 of 5		

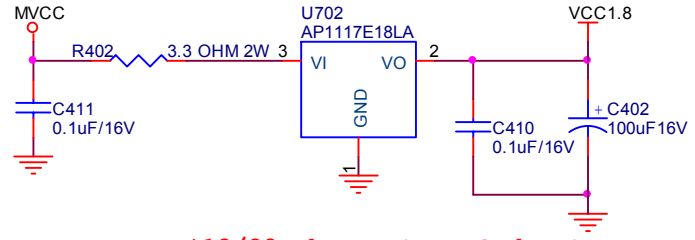


T P V （Top Victory Electronics Co . , Ltd. ）		OEM MODEL	HP w1707/w1907	Size	C
线路图编号	715G2559-3-3-X-1-071212	TPV MODEL	T77GMMNKW2HPDC	Rev	2
Key Component	03.Scalar	PCB NAME	715G2559-3-3	备注	备注
Date	Wednesday, December 12, 2007	Sheet	3 of 5		

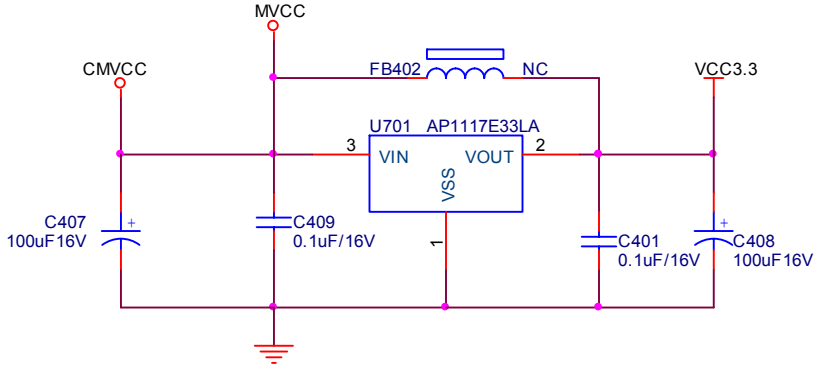


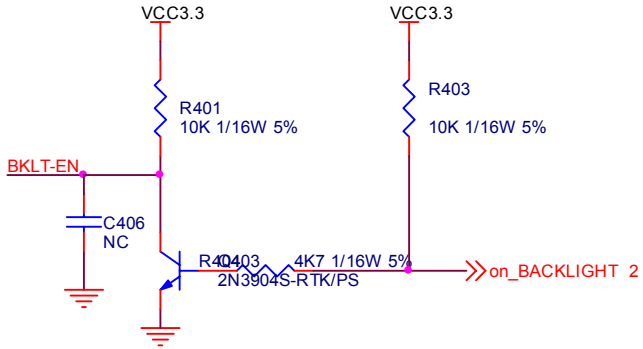
T P V （Top Victory Electronics Co., Ltd.）		OEM MODEL	HP w1707/w1907	Size	A
线路图编号	715G2559-3-3-X-1-071212	TPV MODEL	T77GMMNKW2HPDC	Rev	2
Key Component	04 Output	PCB NAME	715G2559-3-3	备注	备注
Date	Wednesday, December 26, 2007	Sheet	4 of 5		

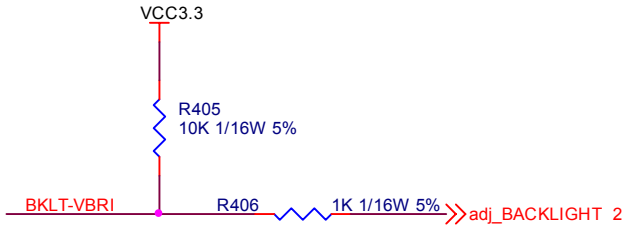




*12/28 change to LDO due to internal ripple too big







T P V （Top Victory Electronics Co., Ltd.）		OEM MODEL	HP w1707/w1907	Size	A
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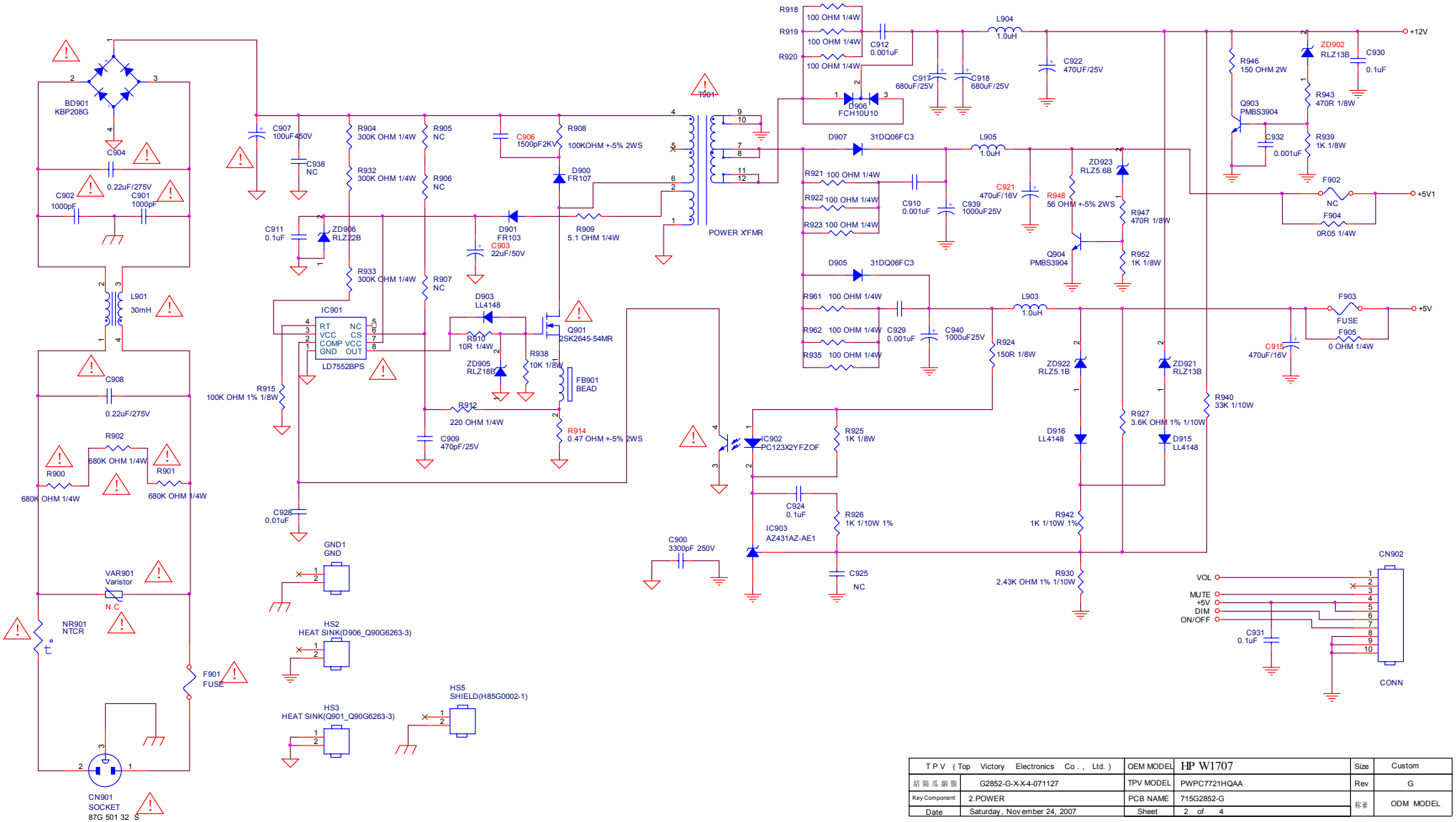
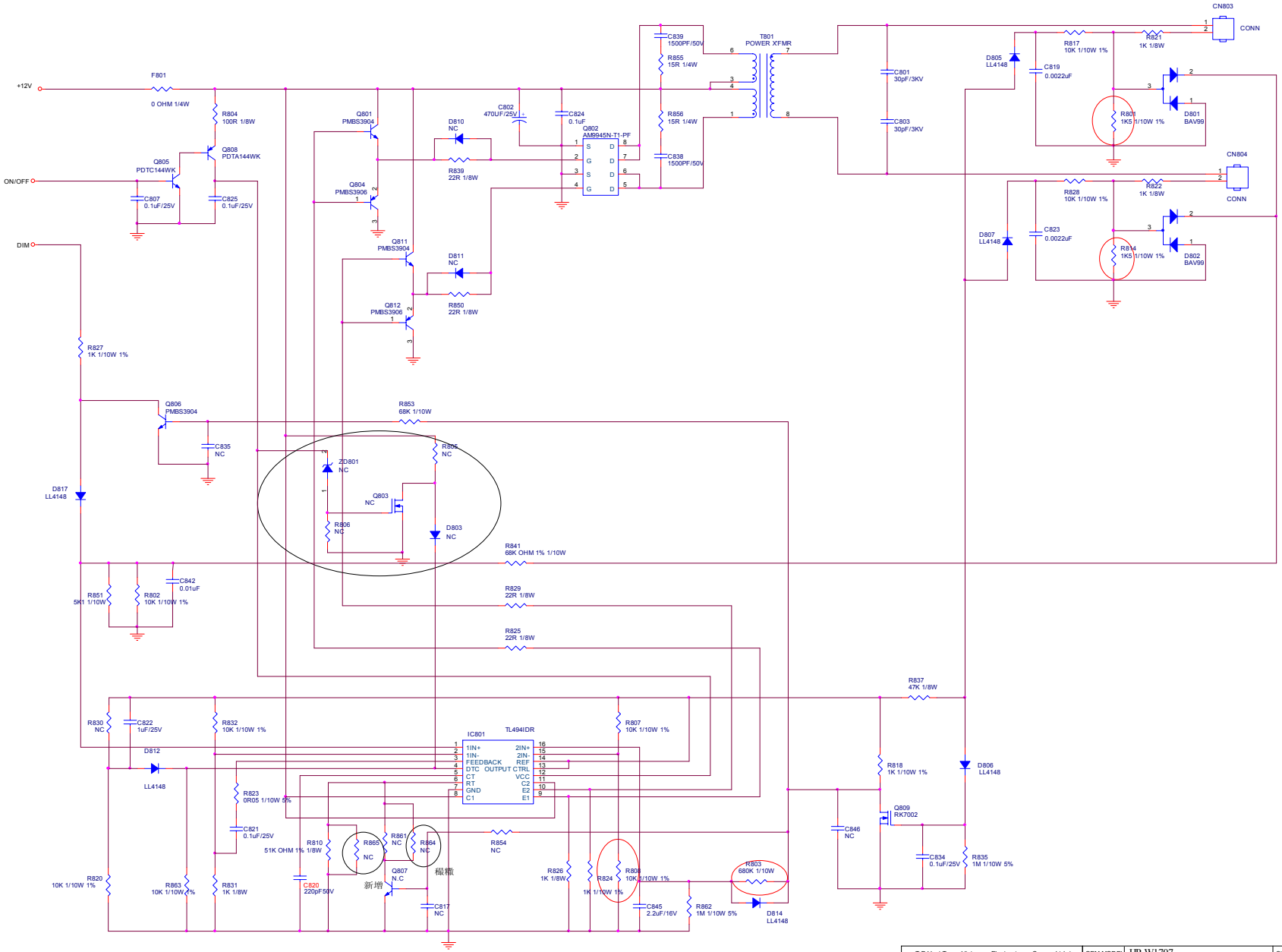
Key Component	05 Power	PCB NAME	715G2559-3-3	备注	备注
Date	Wednesday, December 12, 2007	Sheet	5 of 5		

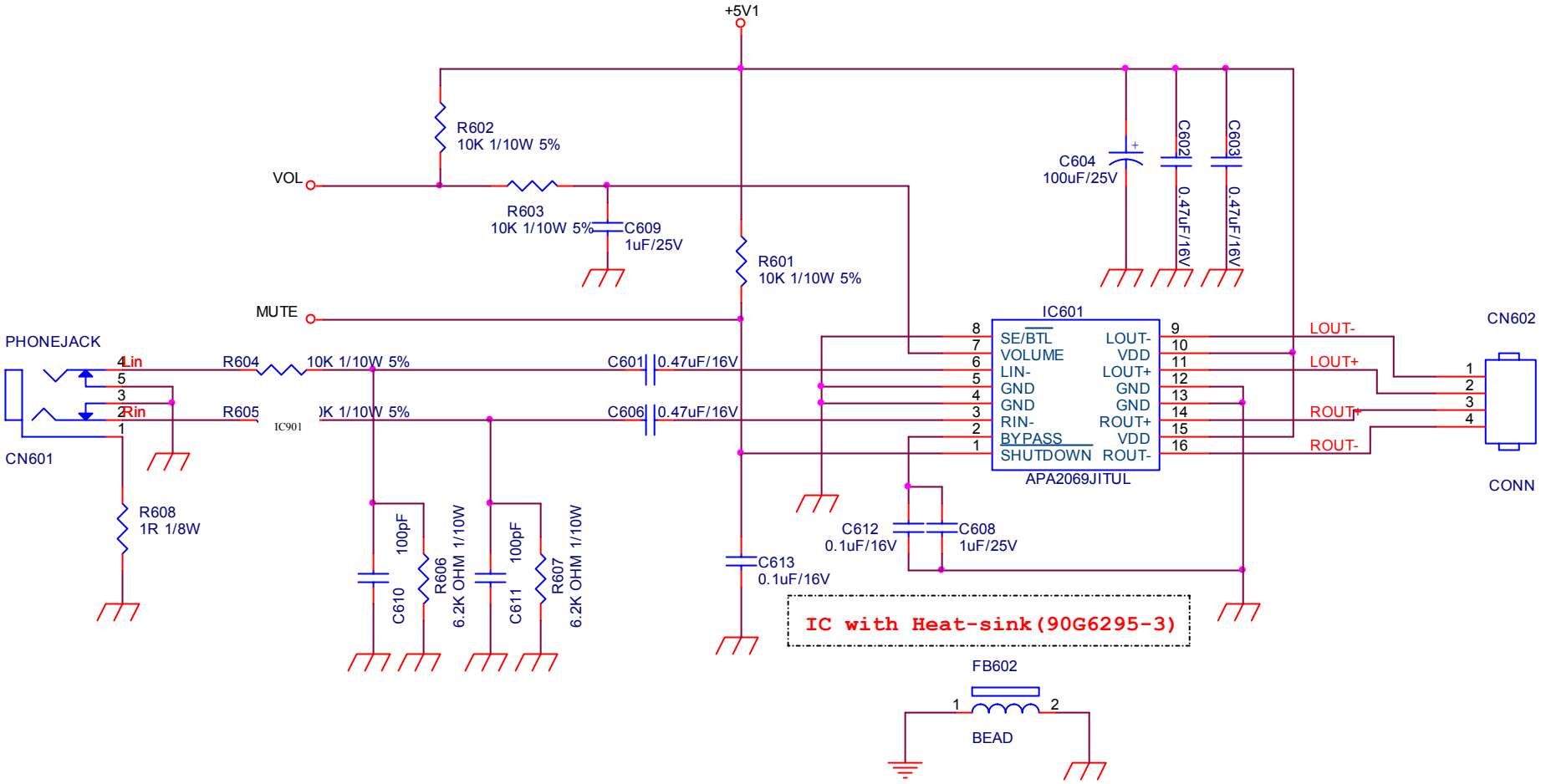
7.2 Power Board



T P V (Top Victory Electronics Co., Ltd.)		OEM MODEL	HP W1707	Size	Custom
結 陽 瓜 鋼 覆	G2852-G-X-X-4-071127	TPV MODEL	PWPC7721HQAA	Rev	G
Key Component	2.POWER	PCB NAME	715G2852-G	称爹	ODM MODEL
Date	Saturday, November 24, 2007	Sheet	2 of 4		

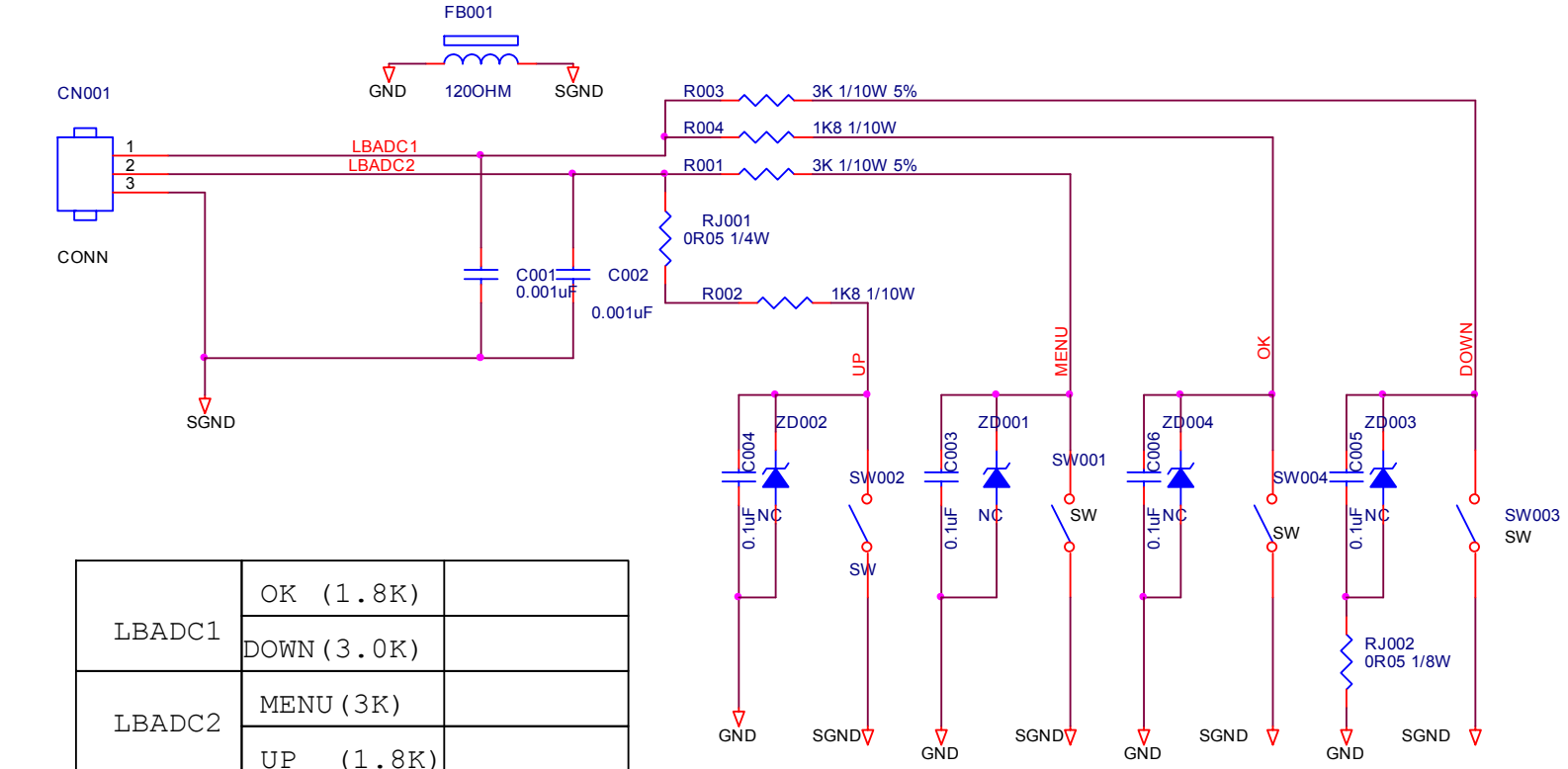


T P V (Top Victory Electronics Co . . Ltd.)		OEM MODEL	HP W1707	Size	Custom
版 屬 瓜 銅 觀	G2852-G-X-X-4-071127	TPV MODEL	PWPC7721HQAA	Rev	G
Key Component	3.INVERTER	PCB NAME	715G2852-G		ODM MODEL
Date	Saturday , Nov ember 24, 2007	Sheet	3 of 4	称 著	

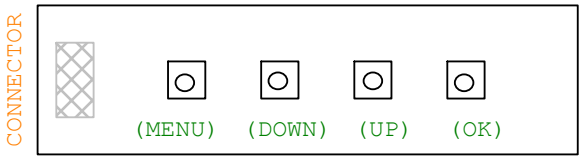


T P V （Top Victory Electronics Co., Ltd.）		OEM MODEL	HP W1707	Size	A
結 隔 瓜 綑 腹	G2852-G-X-X-4-071116	TPV MODEL	PWPC7721HQAA	Rev	G
Key Component	4.AUDIO	PCB NAME	715G2852-G	称爹	ODM MODEL
Date	Saturday, November 24, 2007	Sheet	4 of 4		

7.3 Key Board



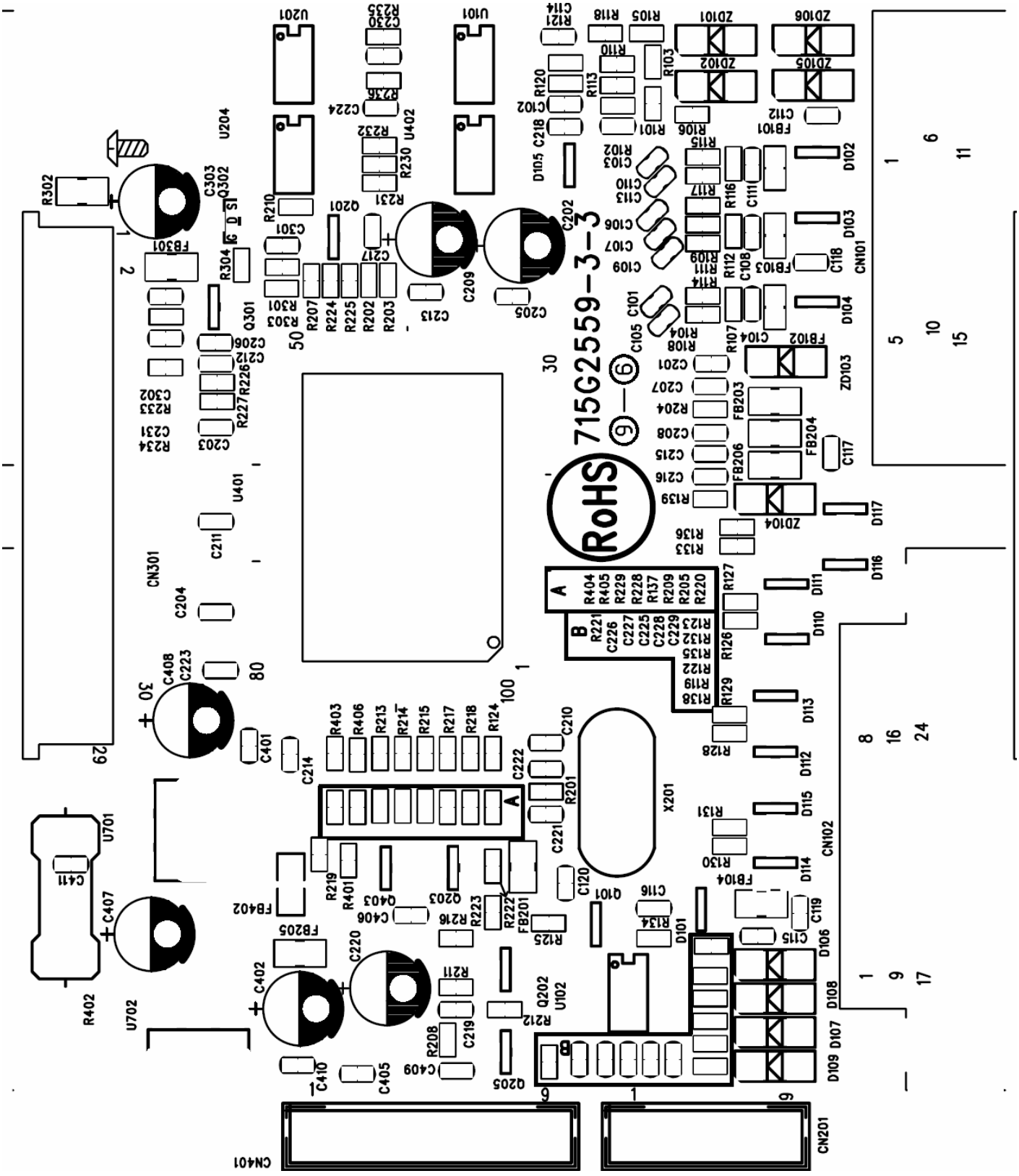
LBADC1	OK (1.8K)	
	DOWN(3.0K)	
LBADC2	MENU(3K)	
	UP (1.8K)	

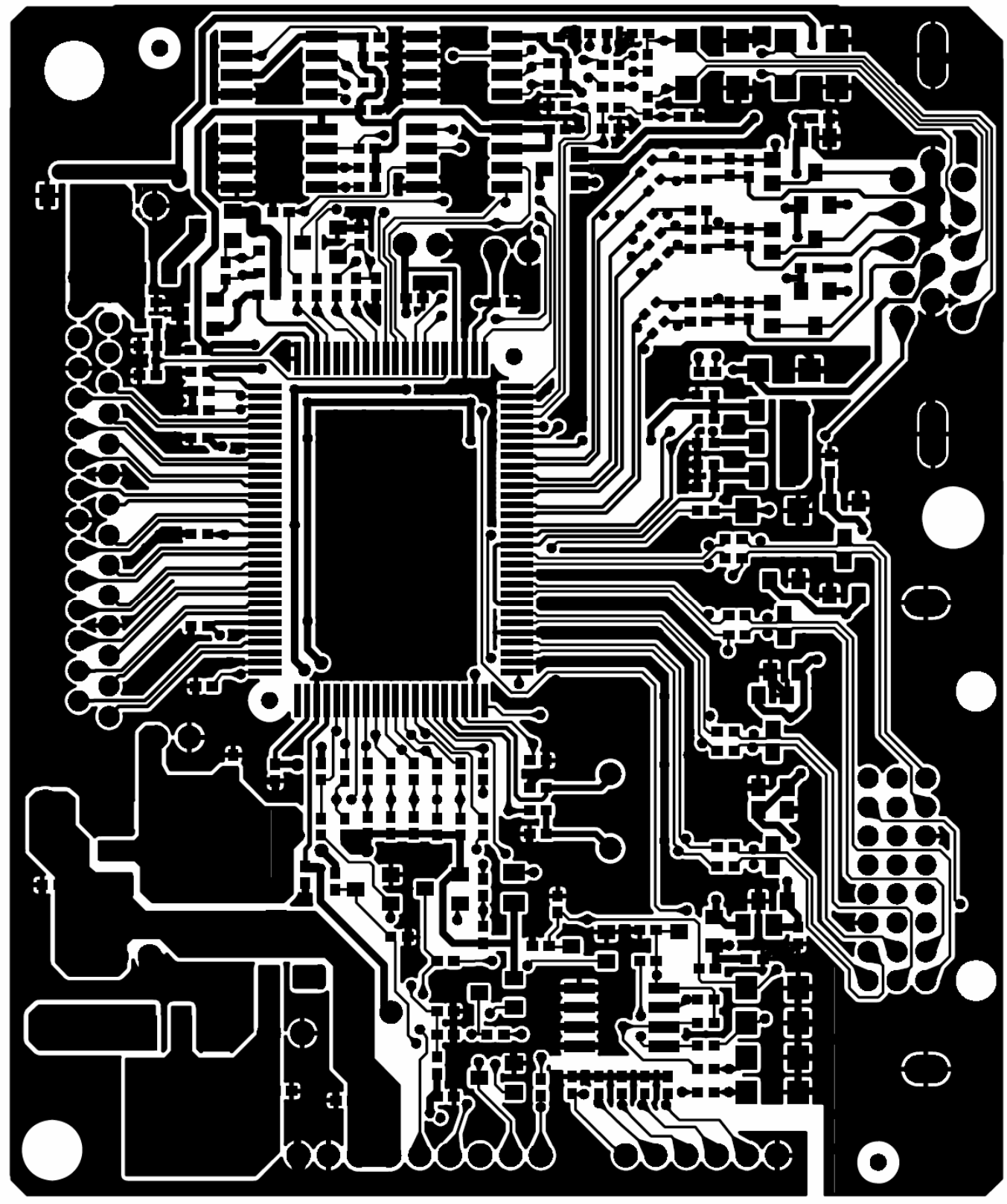


T P V (Top Victory Electronics Co . , Ltd.)		OEM MODEL	HP W1707	Size	A
线路图编号	G2882-1-K-X-1-071217	TPV MODEL	T77GMMNKW2HPDC	Rev	A
Key Component	02 OSD KEY	PCB NAME	715G2882-1-K	备注	.
Date	Monday, December 17, 2007	Sheet	2 of 2		

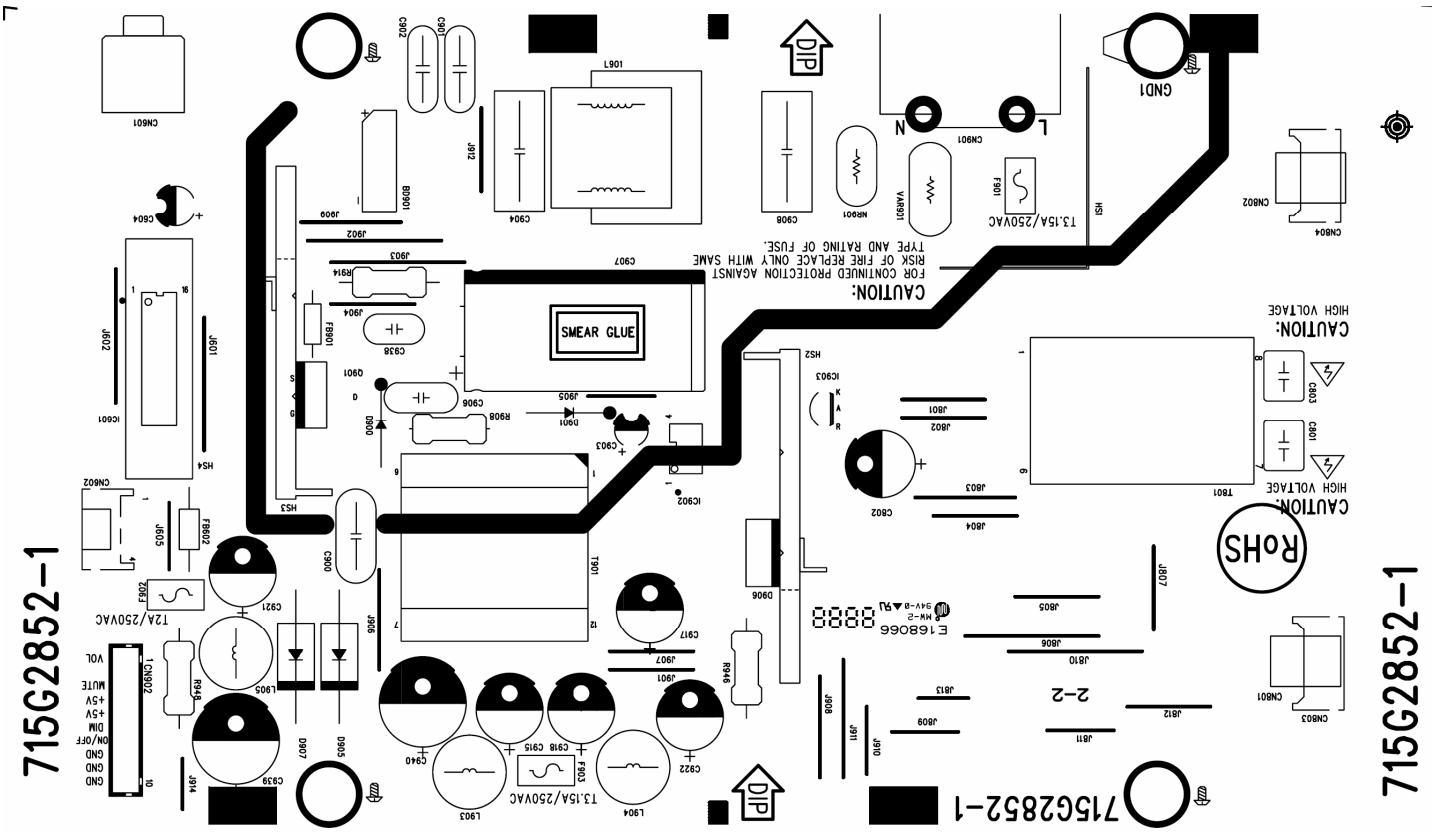
8. PCB Layout

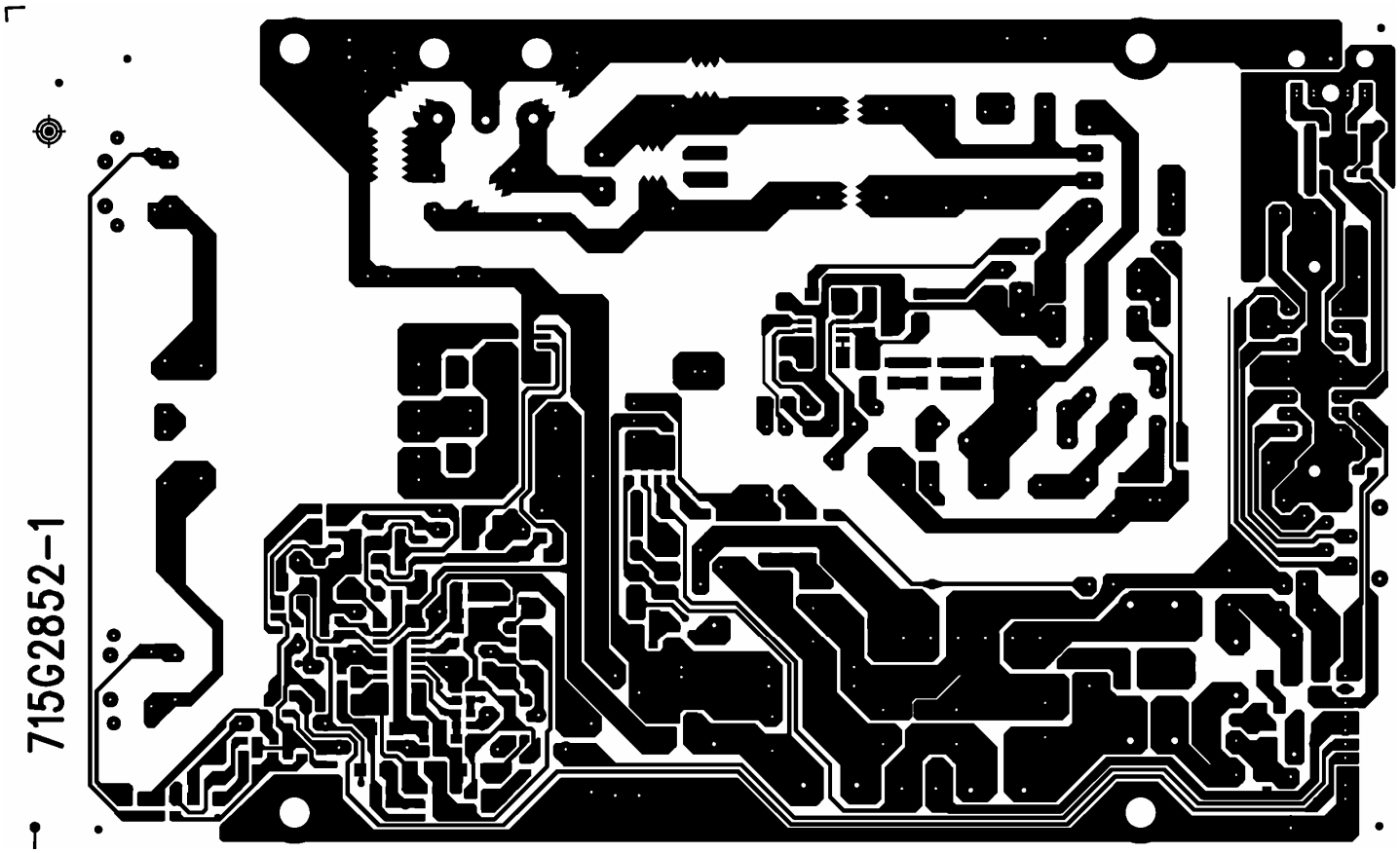
8.1 Main Board



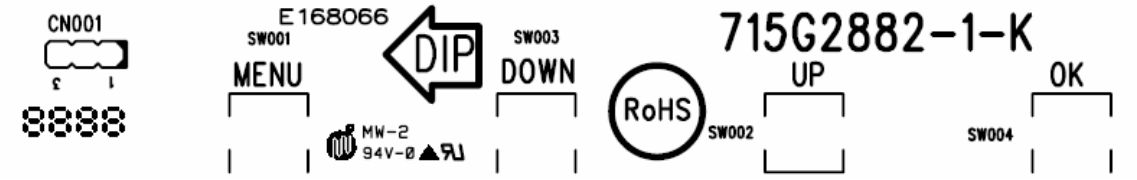


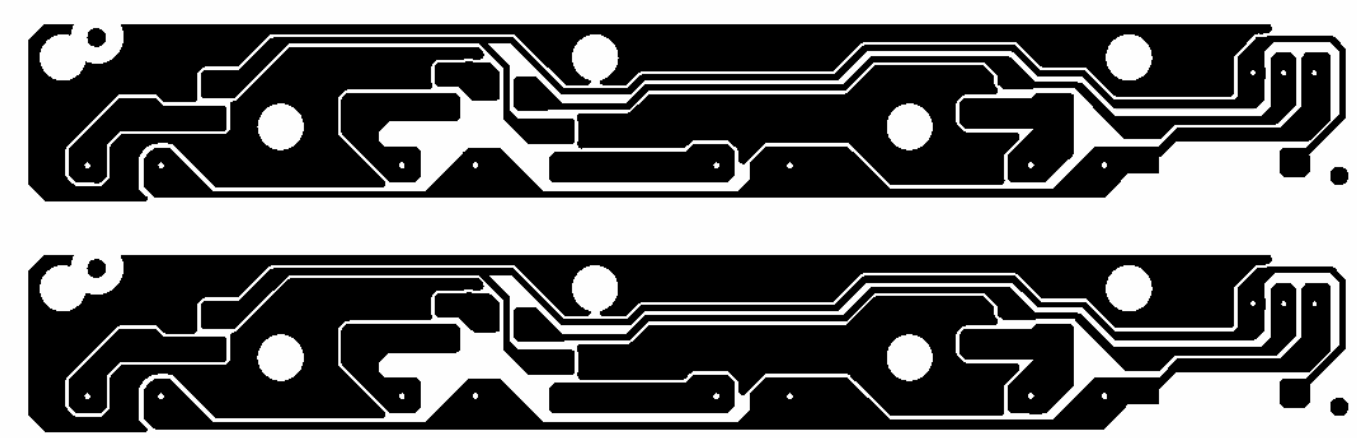
8.2 Power Board



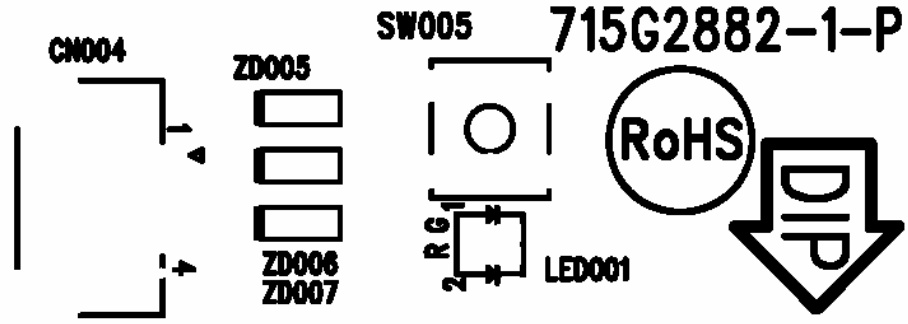


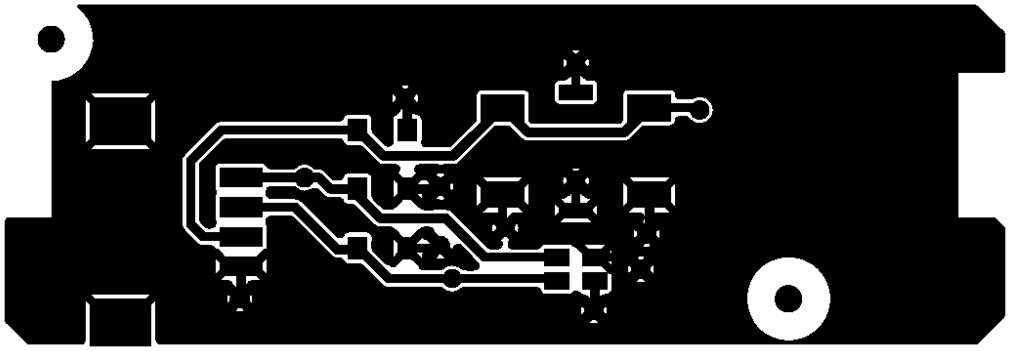
8.3 Key Board





8.4 IR Board





9. Maintainability

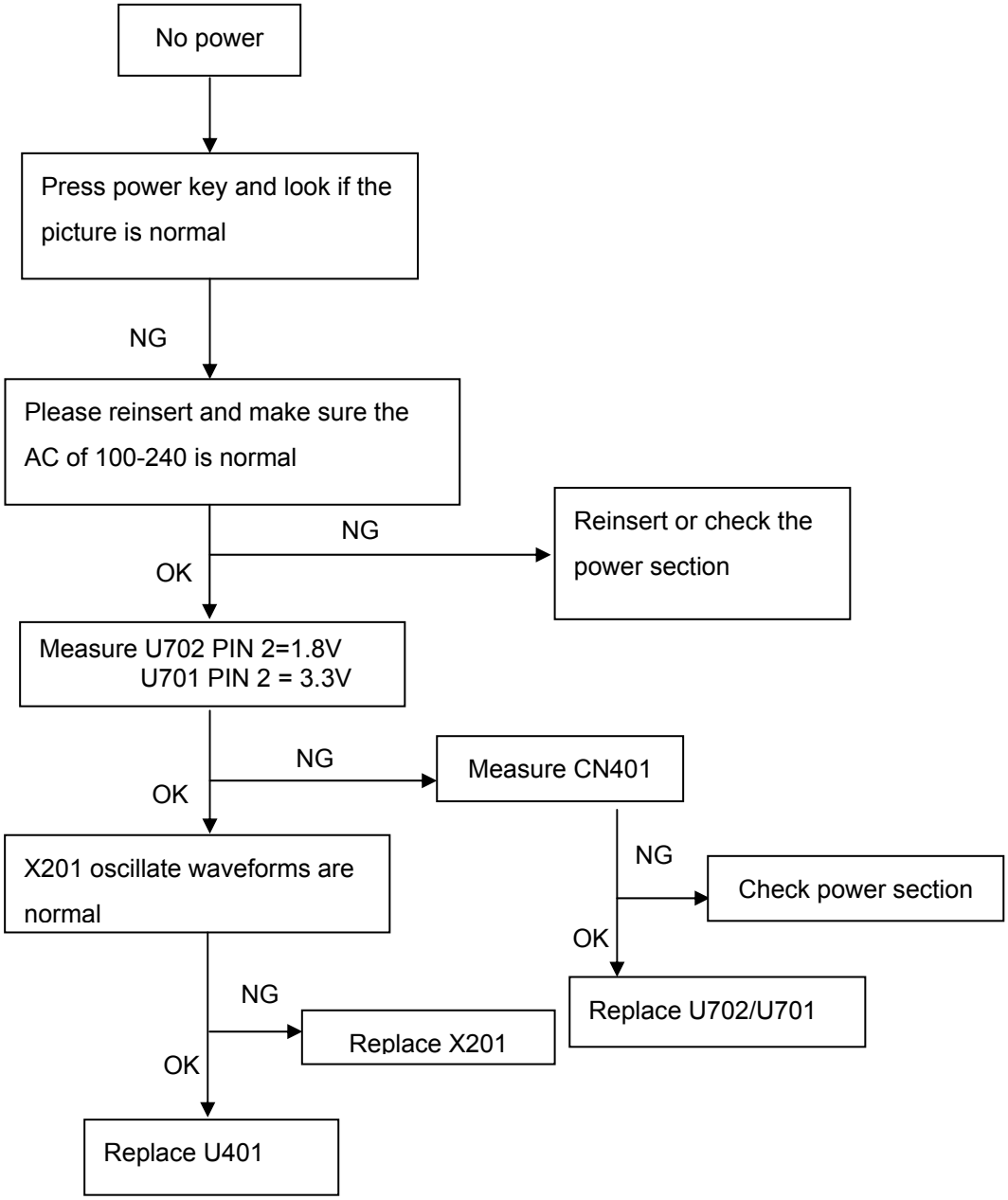
9.1 Equipments and Tools Requirement

1. Multi-meter.
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.

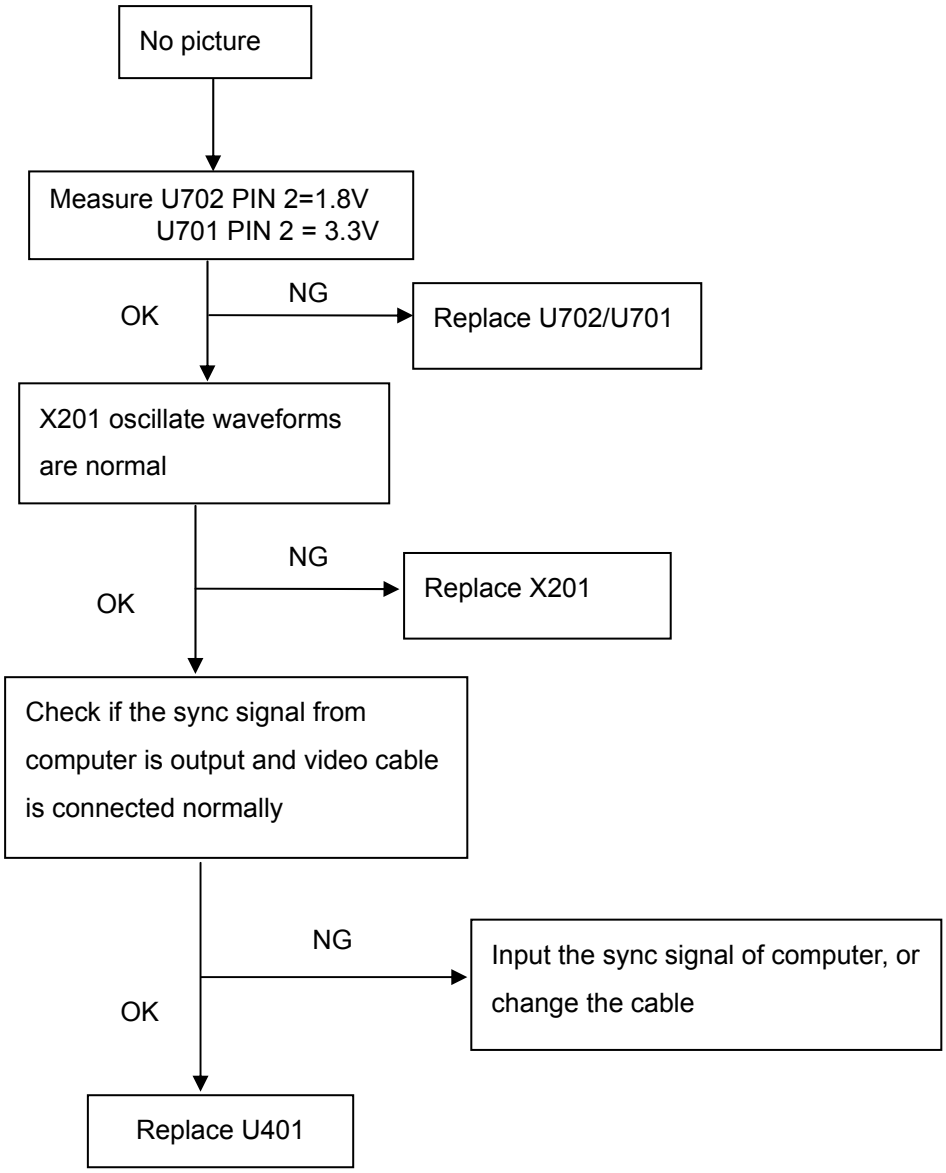
9.2 Trouble Shooting

9.2.1 Main Board

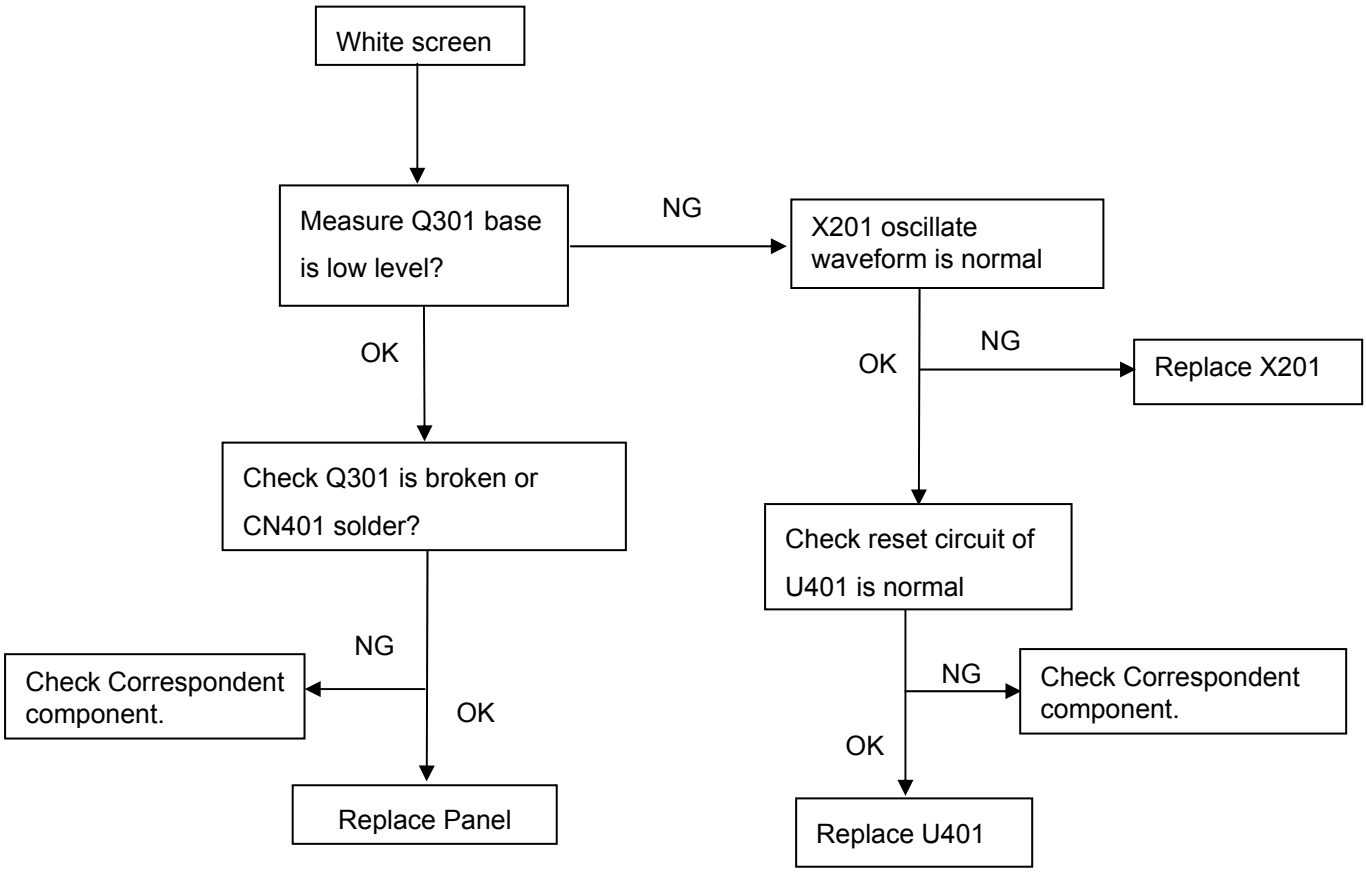
No power



No picture (LED is orange)

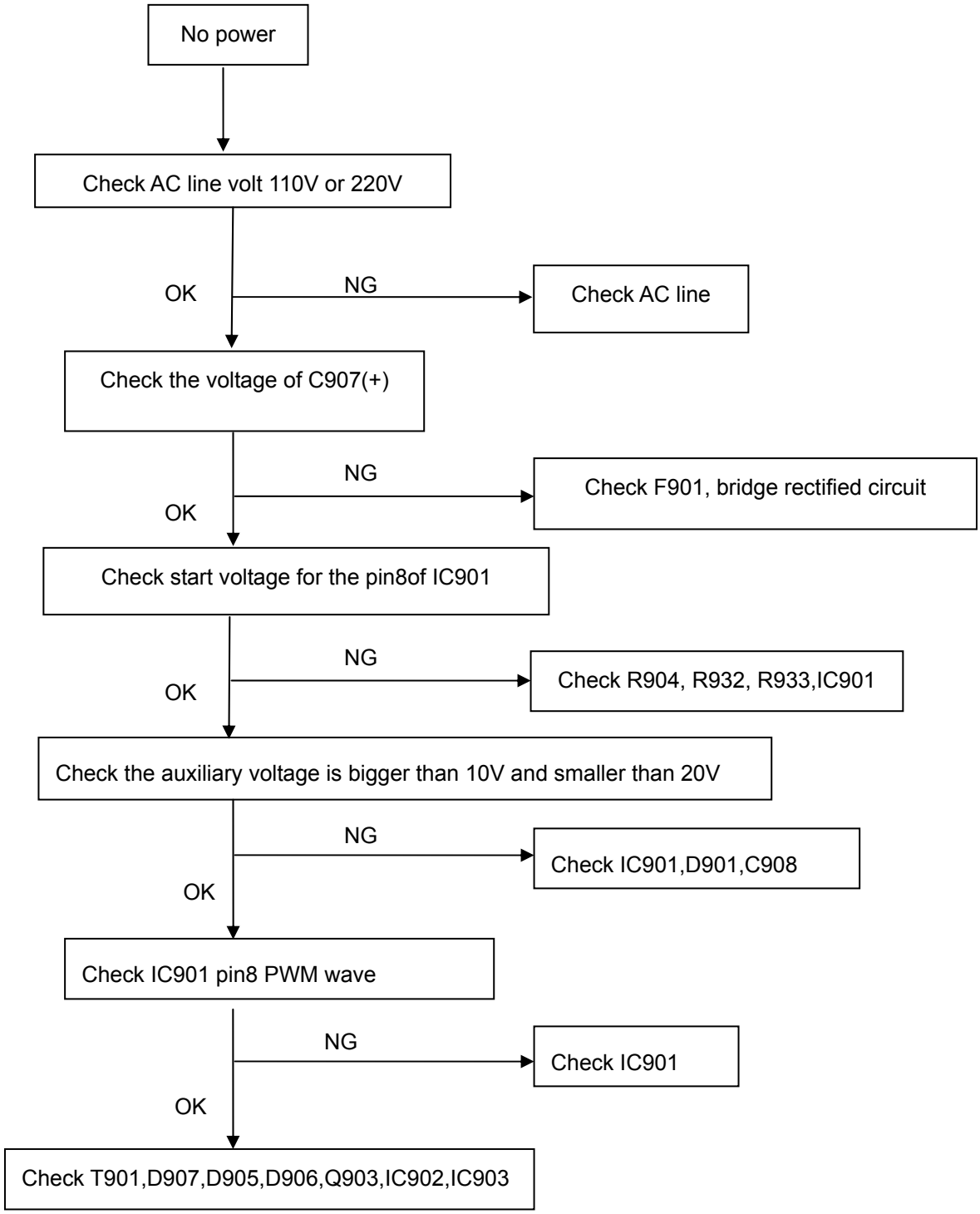


White screen

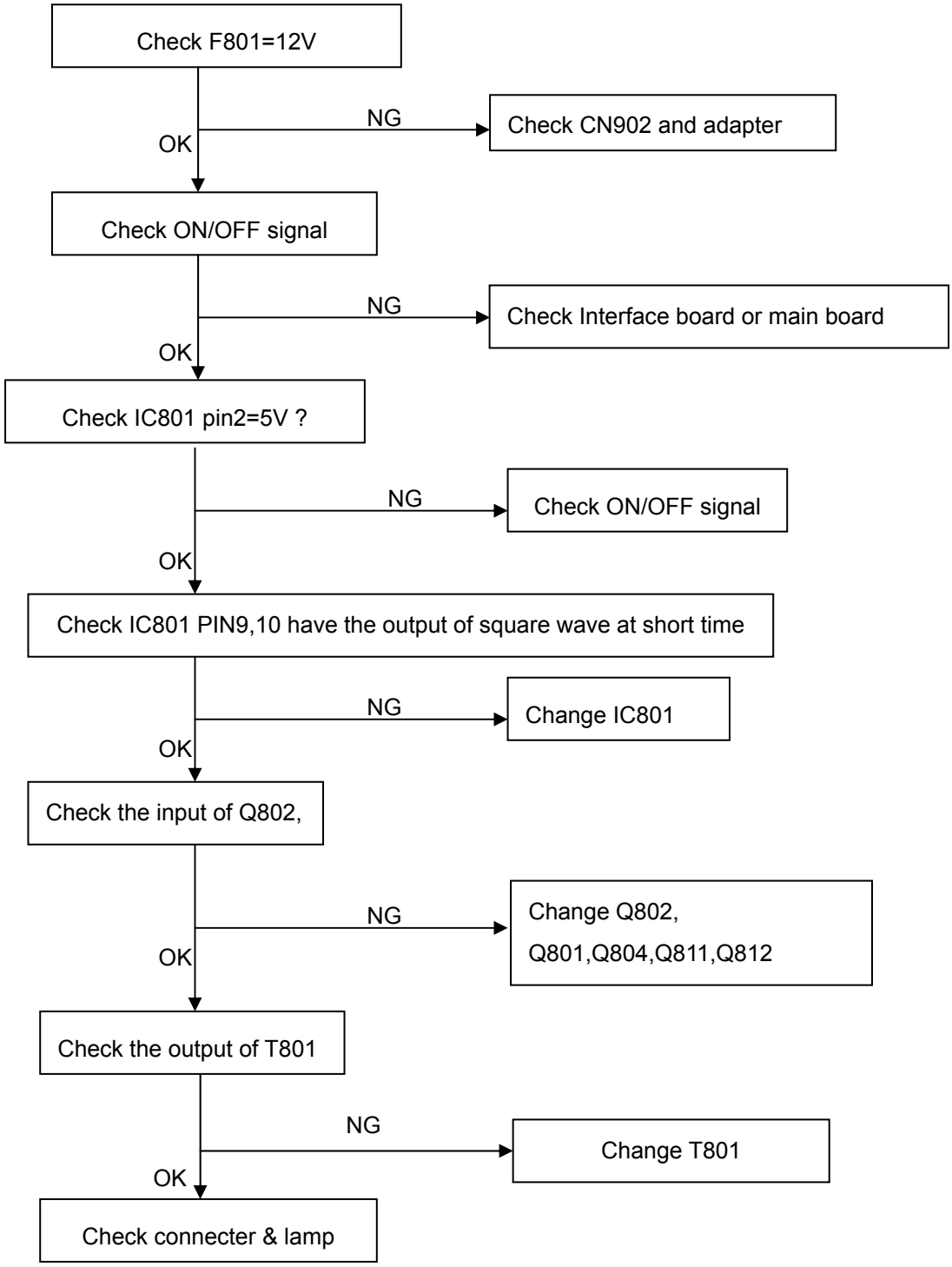


9.2.2 Power Board

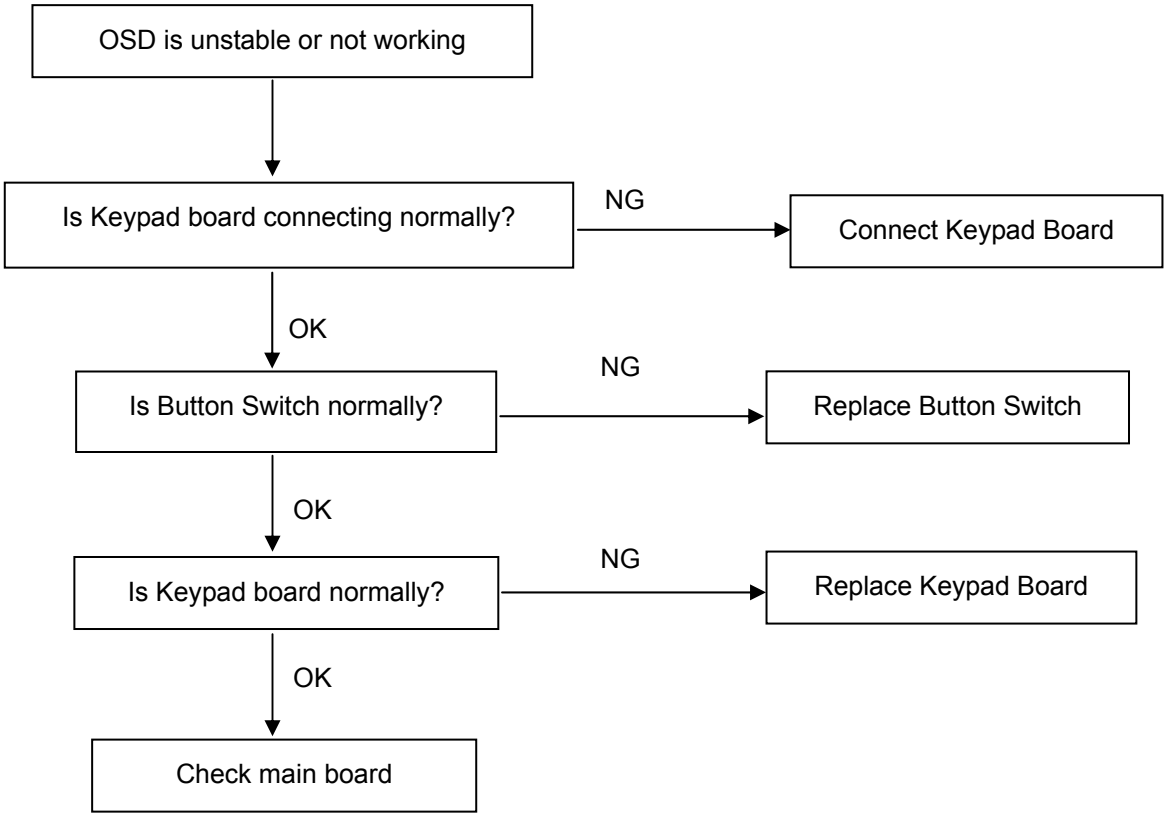
1. No Power



2. W/LED No Backlight



9.2.3 Key Board



10. 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 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. 9300k color:
      9300 color temp. parameter is x = 283 ±15, y = 297 ±15, Y> 200 cd/m^2 ,
   B. sRGB color:
      sRGB color temp. parameter is x = 313±15, y = 329 ±15, Y>230 cd/m^2)
   C. 6500K color:
      6500K color temp. parameter is x = 313±15, y = 329 ±15, Y>230 cd/m^2)

3. Into factory mode of HP W1707
   Turn on power, press the down (+) 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 80
   Adjust the **Brightness** to 90.
5. Gain adjustment :
   Move cursor to "-F-" and press MENU key
   A. Adjust 9300k color-temperature
      1. Switch the Chroma-7120 to **9300k channel.**
      2. The chroma 7120 will show x = 283±15, y = 297 ±15, Y>200 cd/m^2
      3. Switch the chroma-720 to **RGB MODE** (with press "MODE" button to change)
      4. Adjust the RED on factory window until chroma 7120 indicator reached the value R=100
      5. Adjust the GREEN on factory window until chroma 7120 indicator reached the value G=100
      6. Adjust the BLUE on factory window until chroma 7120 indicator reached the value B=100
      7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance =100±2

B. Adjust sRGB color-temperature

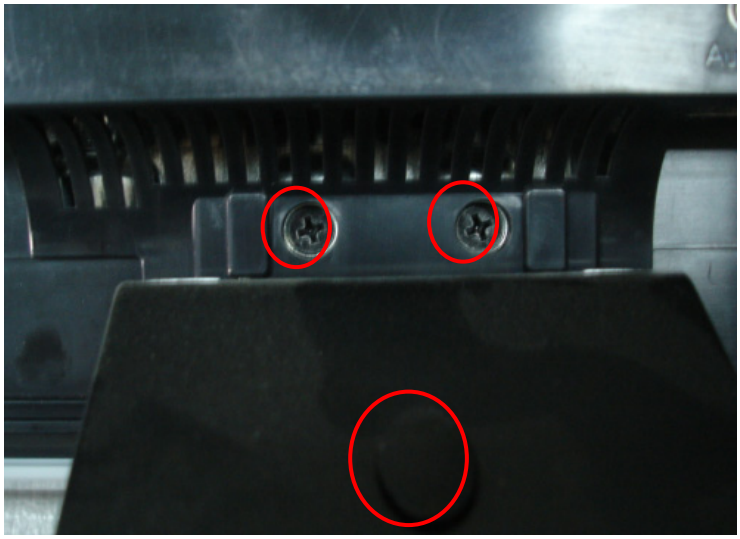
1. Switch the chroma-7120 to sRGB **channel.**
2. The chroma 7120 will show x = 313 ±15, y = 329 ±15, Y >230 cd/m^2
3. Switch the chroma 7120 l to **RGB MODE** (with press “MODE” button to change)
4. Adjust the RED on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN on factory window until chroma 7120 indicator reached the value G=100
6. Adjust the BLUE on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance =100±2

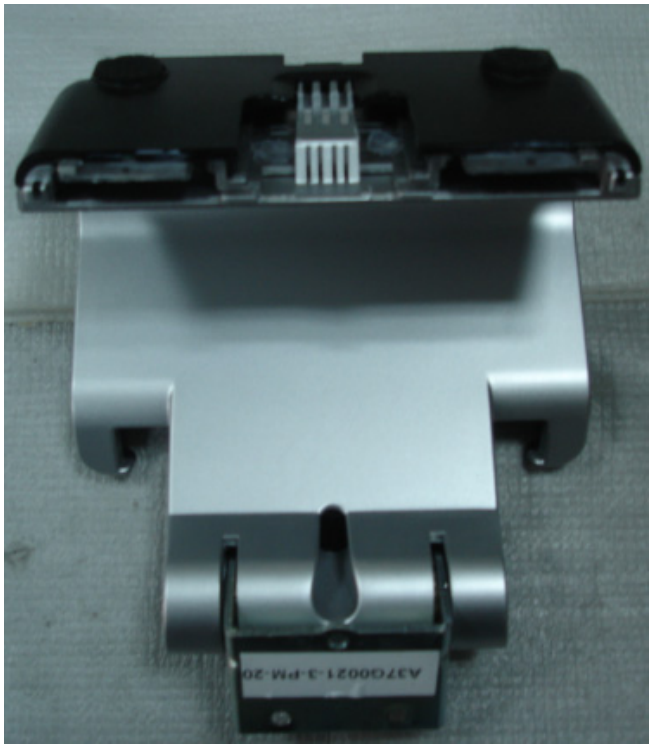
C. Adjust 6500k color-temperature

1. Switch the chroma-7120 to 6500K **channel.**
2. The chroma 7120 will show x = 313 ±15, y = 329 ±15, Y >230 cd/m^2
3. Switch the chroma 7120 l to **RGB MODE** (with press “MODE” button to change)
4. Adjust the RED on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN on factory window until chroma 7120 indicator reached the value G=100
6. Adjust the BLUE on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance =100±2

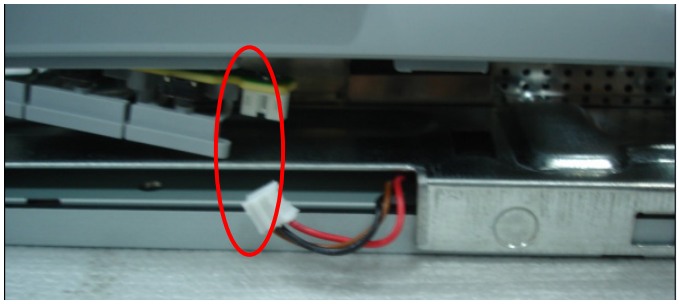
D. Press reset key and Turn the Power-button “off to on” to quit from factory mode.

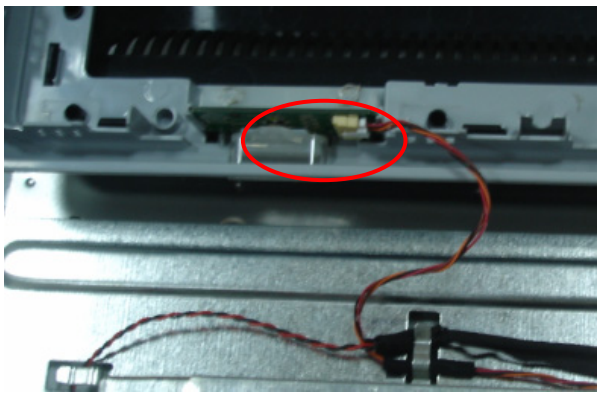
11. Mechanical Instructions

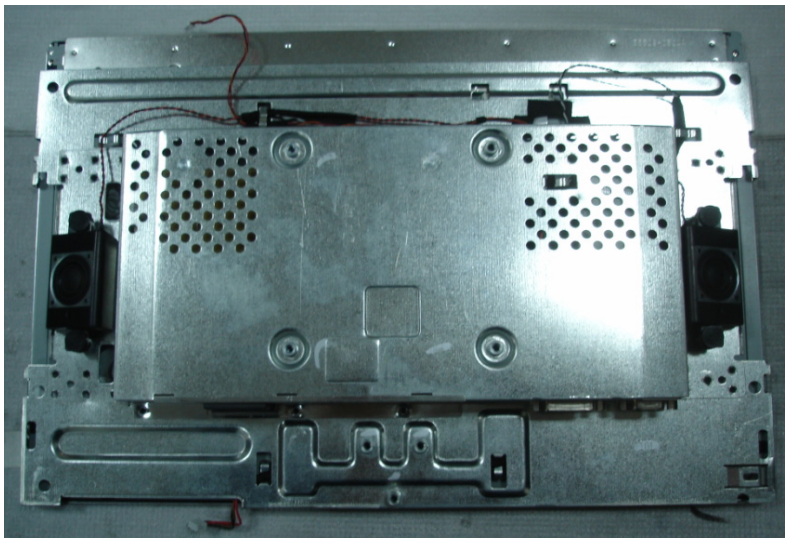
Step	Figure	Description
Preparation		Lay the monitor on a flat, soft and clean surface.
		

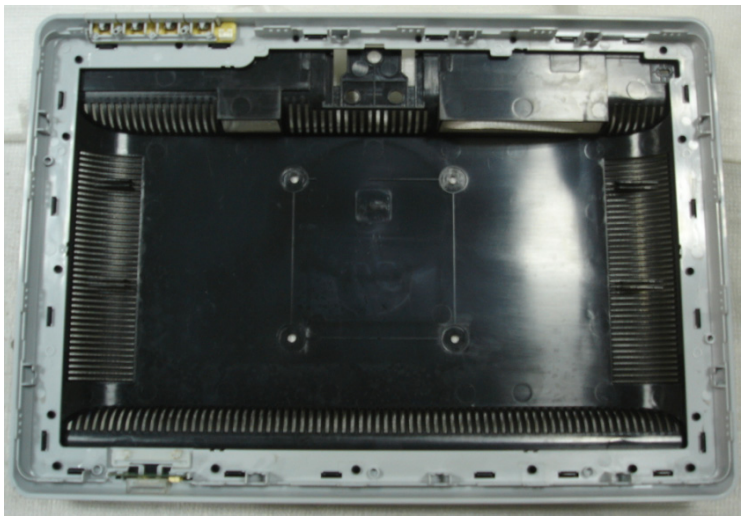
Remove the stand and the base	  	Remove the base and the screws to remove the stand.

Remove the back cover and the bezel.

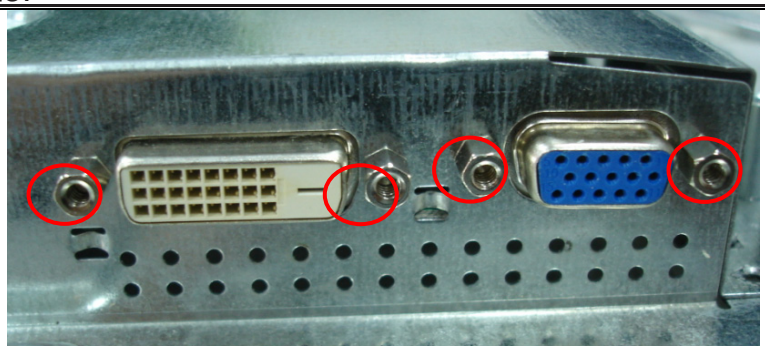
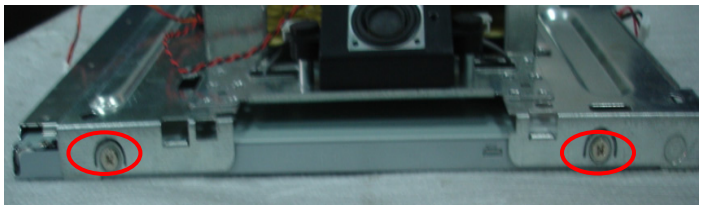
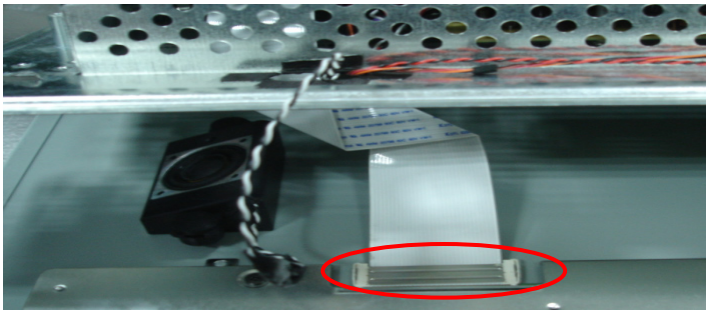
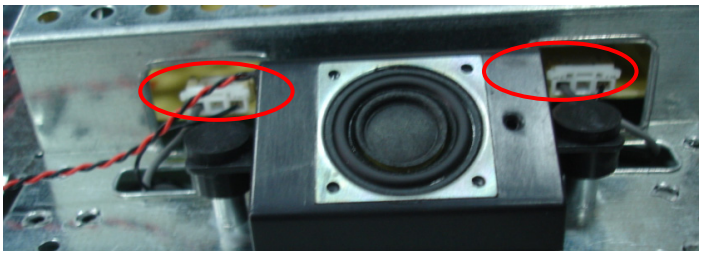


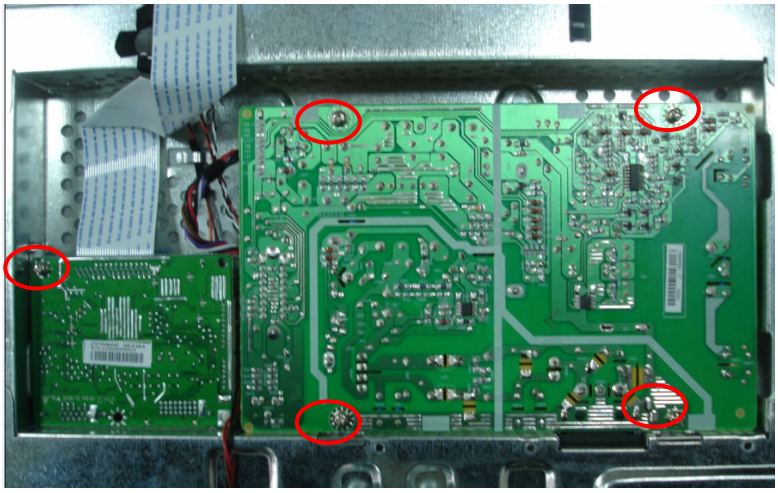
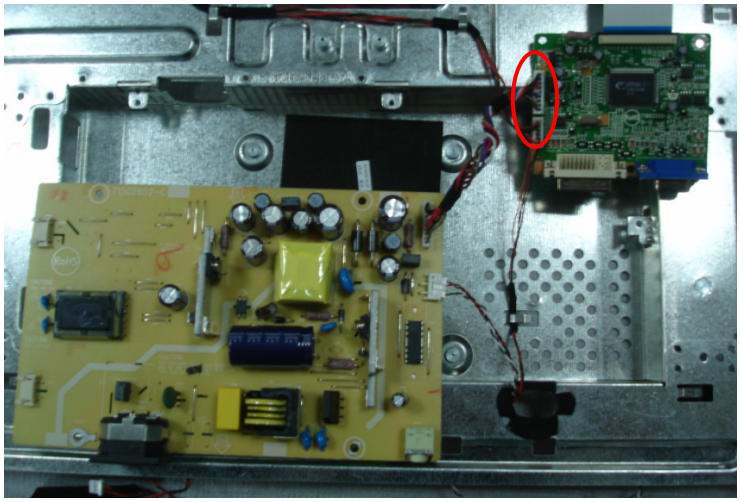




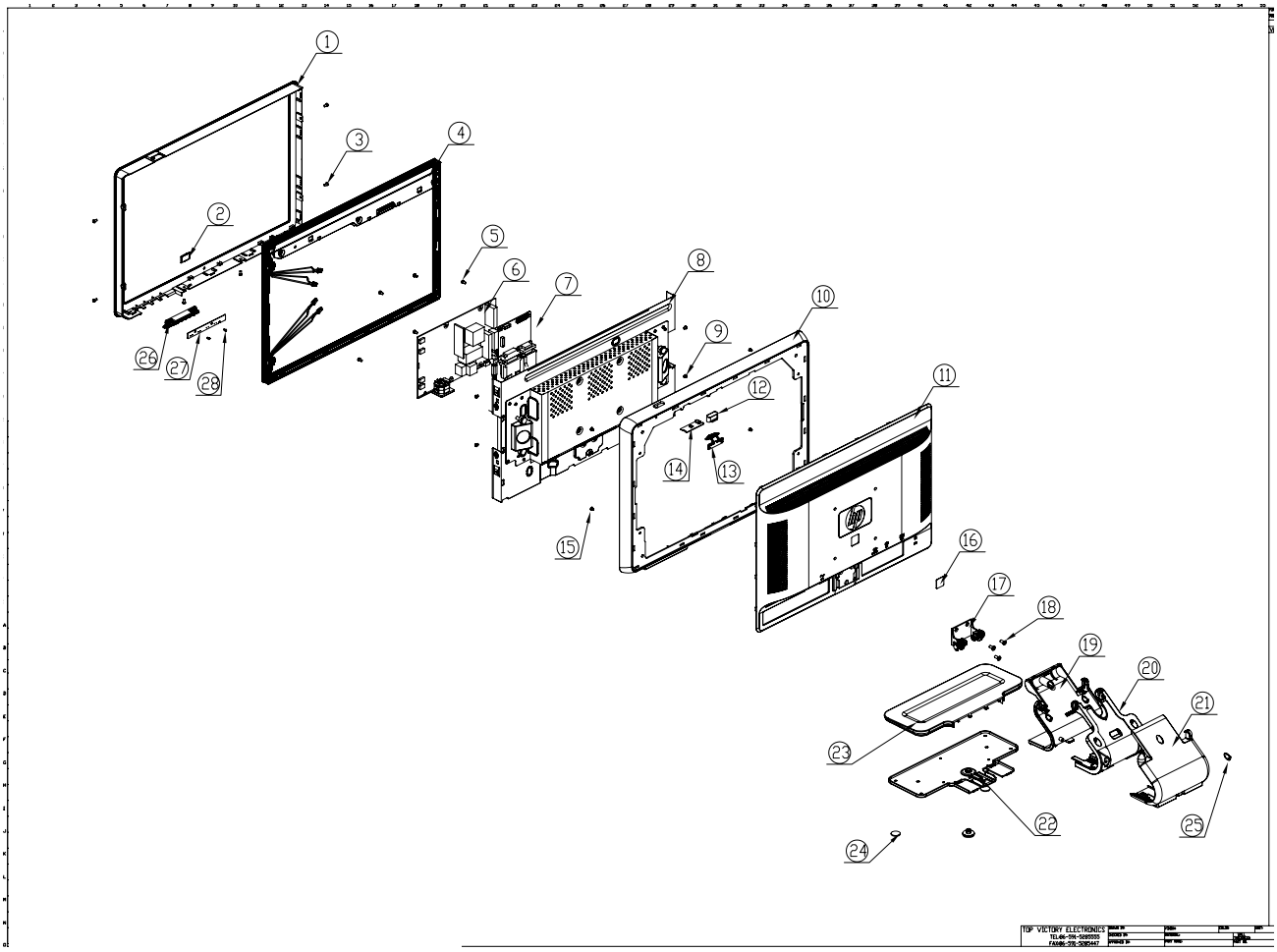


Disconnect the connectors

Remove the main frame	   	Disconnect the connectors and remove the screws to remove the main frame.

Remove main board and power board	 	1.Remove the screws marked in red to remove the main board, power baord, 2.Disconnect the connector and remove the power board and main board.
The end		The machine disconnect freely

12. Monitor Exploded View



NO.	Description	NO.	Description
1	BEZEL	17	HINGE
2	LOGO	18	SCREW
3	SCREW	19	BASE FRONT COVER
4	PANEL	20	BASE DIE CSTING
5	SCREW	21	BASE REAR COVER
6	POWER BOARD	22	BASE METAL
7	MAIN BOARD	23	BASE TOP COVER
8	MAIN FRAME	24	FOOT RUBBER
9	SCREW	25	RUBBER PLUG
10	REAR RING	26	KEY PAD
11	REAR COVER	27	KEY BOARD
12	POWER BUTTON	28	SCREW
13	POWER DIFFUSER	29	EPE BAG FOR MONITOR
14	IR BOARD	30	EPE BAG FOR BASE
15	SCREW	31	MYLAR
16	GATE PLUG	32	EPS(L/R)

13. BOM List

T77GMMNKW2HPDN

Location	Part No.	Description
	023G3178690 6A	LOGO
	040G 581 26704	SHIPPING LABEL
	041G 68508 A	CONTROL CARD
	044G9003194	CORNER PAPER
	045G 77 3	PE PACKING
	052G 1150 C	INSULATING TAPE
	052G 1185	MIDDLE TAPE
	052G 1186	SMALL TAPE
	052G 1207 A	ALUMINIUM TAPE
	52G1-211-558	ALUMINIUM TAPE
	052G 1218 A	SILVER
	052G6019 1	INSULATING TAPE
	052G6022 1500	SMALL TAPE
	070GHDCP500HDC	HDCP CODE
E07801	078G 340500 G	SPK 8OHM 1.5W 50*33 240 370MM NEOSONICA
E08904	089G 17356X554	AUDIO CABLE
E08902	089G 728HAA 21	SIGNAL CABLE
E08907	089G179E30N576	FFC CABLE
E08901	089G402A19N IS	AC POWER CABLE
E09501	095G8014 6X686	WIRE HARNESS 6P-3P(240MM)+4P(400MM)
	0M1G 130 6120	SCREW M3X6
	0M1G 140 8225 CR3	SCREW
	0M1G1730 6120	SCREW
	705GQ734566	REAR COVER ASS'Y 17
	A33G0099 1A1P	POWER BUTTON
	A33G0314 PMA1L0100	OSD BUTTON
	A33G0316 1 1D0100	POWER DIFFUSE
	Q11G0020 1	SUPPORT
	A34G0548AAA 1B0130	REAR COVER 17
	A34G0549 PM 1B0100	REAR RING
	750GLG71W3B21Z000H	PANEL LM171WX3-TLB2 KR LPL
	A15G0322101	MAINFRAME
	A34G0547AAAA1X0100	BEZEL L17WA-8HP-(06-01)
	A37G0021 3BBH 20	HINGE
	CBPC7GMMHPQ1	MAIN BOARD G2559-3-3-X-1-071212
CN201	033G3802 6	WAFER
CN401	033G3802 9	WAFER 9P RIGHT ANELE PITCH

CN301	33G801930F CH JS	CONNECTOR
	040G 45762412B	CBPC LABEL
R402	061G152M339 64	CHIPR 3.3 OHM +-5% 2W
C202	067G215V100 7R	LOW E.S.R 10UF +/-20% 50V
C220	067G215V100 7R	LOW E.S.R 10UF +/-20% 50V
C303	067G405V101 3P	CAP 105℃ 100UF M 16V
C402	067G405V101 3P	CAP 105℃ 100UF M 16V
C407	067G405V101 3P	CAP 105℃ 100UF M 16V
C408	067G405V101 3P	CAP 105℃ 100UF M 16V
CN101	088G 35315F H	D-SUB 15PIN
CN102	088G 35424F N	DVI 24PIN
X201	093G 2253B H	XAT01431AFI1H-3OHX AT-49 14.31818MHZ
U401	056G 562550	IC HUM56AWHL-LF-1 MSTAR
U702	056G 56327A	IC AP1117E18LA SOT223-3L ANACHIP
U701	056G 585 4A	AP1117E33LA
U204	056G1133 32	IC M24C04-WMN6TP SO8
U102	056G1133 34	M24C02-WMN6TP
U101	056G1133 34	M24C02-WMN6TP
U402	056G1133713 (WHPMMP7HAQ1)	IC PM25LV010A-100SCE SOIC-8
Q201	057G 417 12 T	KEC 2N3904S-RTK/PS
Q205	057G 417 12 T	KEC 2N3904S-RTK/PS
Q403	057G 417 12 T	KEC 2N3904S-RTK/PS
Q202	057G 417 13 T	KEC 2N3906S-RTK/PS
Q203	057G 417 13 T	KEC 2N3906S-RTK/PS
Q301	057G 417 13 T	KEC 2N3906S-RTK/PS
Q302	057G 763 1	A03401 SOT23 BY AOS(A1)
R101	061G0402000	RST CHIPR 0 OHM +-5% 1/16W
R201	061G0402000	RST CHIPR 0 OHM +-5% 1/16W
R136	061G0402100	RST CHIPR 10 OHM +-5% 1/16W
R133	061G0402100	RST CHIPR 10 OHM +-5% 1/16W
R131	061G0402100	RST CHIPR 10 OHM +-5% 1/16W
R126	061G0402100	RST CHIPR 10 OHM +-5% 1/16W
R127	061G0402100	RST CHIPR 10 OHM +-5% 1/16W
R128	061G0402100	RST CHIPR 10 OHM +-5% 1/16W
R129	061G0402100	RST CHIPR 10 OHM +-5% 1/16W
R130	061G0402100	RST CHIPR 10 OHM +-5% 1/16W
R102	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R103	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R104	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R108	061G0402101	RST CHIPR 100 OHM +-5% 1/16W

R110	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R111	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R225	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R224	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R222	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R221	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R215	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R214	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R213	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R207	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R122	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R119	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R117	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R115	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R114	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R113	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R406	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W
R401	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R118	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R123	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R132	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R137	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R138	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R203	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R205	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R209	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R210	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R211	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R220	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R223	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R226	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R227	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R230	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R231	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R232	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R234	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R301	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R403	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R405	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R125	061G0402104	RST CHIPR 100 KOHM +-5% 1/16W

R219	061G0402104	RST CHIPR 100 KOHM +-5% 1/16W
R212	061G0402151	RST CHIP 150R 1/16W 5%
R105	061G0402222	RST CHIPR 2.2 KOHM +-5% 1/16W
R106	061G0402222	RST CHIPR 2.2 KOHM +-5% 1/16W
R202	061G0402223	RST CHIPR 22 KOHM +-5% 1/16W
R204	061G0402390 0F	RST CHIP 390R 1/16W 1%
R228	061G0402392	RST CHIP 3.9K 1/16W 5%
R229	061G0402392	RST CHIP 3.9K 1/16W 5%
R109	061G0402471	RST CHIPR 470 OHM +-5% 1/16W
R120	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W
R121	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W
R134	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W
R135	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W
R217	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W
R218	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W
R303	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W
R404	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W
R304	061G0402473	RST CHIPR 47 KOHM +-5% 1/16W
R216	061G0402560	RST CHIP 56R 1/16W 5%
R233	061G0402682	RST CHIP 6K8 1/16W 5%
R208	061G0402682	RST CHIP 6K8 1/16W 5%
R139	061G0402682	RST CHIP 6K8 1/16W 5%
R107	061G0402750	RST CHIPR 75 OHM +-5% 1/16W
R112	061G0402750	RST CHIPR 75 OHM +-5% 1/16W
R116	061G0402750	RST CHIPR 75 OHM +-5% 1/16W
FB205	061G0805000	0 OHM 1/10W
FB206	061G0805000	0 OHM 1/10W
FB301	061G0805000	0 OHM 1/10W
R302	061G0805331	RST CHIPR 330 OHM +-5% 1/8W
C106	065G0402102 32	1000PF +-10% 50V X7R
C112	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C115	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C117	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C201	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C203	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C204	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C205	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C206	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C207	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C208	065G0402104 15	MLCC 0402 0.1UF K 16V X5R

C210	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C211	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C212	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C213	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C214	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C119	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C118	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C411	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C410	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C409	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C405	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C401	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C302	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C301	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C231	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C229	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C228	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C227	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C226	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C225	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C223	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C219	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C217	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C216	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C215	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C102	065G0402220 31	CHIP 22PF 50V NPO
C103	065G0402220 31	CHIP 22PF 50V NPO
C120	065G0402221 32	MLCC 0402 CAP 220PF J 50V X7R
C218	065G0402224 17	CAP CER 0.22UF -20%-80%
C224	065G0402224 17	CAP CER 0.22UF -20%-80%
C114	065G0402224 17	CAP CER 0.22UF -20%-80%
C116	065G0402224 17	CAP CER 0.22UF -20%-80%
C222	065G0402270 31	0402 27PF J 50V NPO
C221	065G0402330 31	33PF +-50% 50V NPO
C113	065G0402473 12	CHIP 0.047UF 16V X7R
C110	065G0402473 12	CHIP 0.047UF 16V X7R
C109	065G0402473 12	CHIP 0.047UF 16V X7R
C107	065G0402473 12	CHIP 0.047UF 16V X7R
C105	065G0402473 12	CHIP 0.047UF 16V X7R
C101	065G0402473 12	CHIP 0.047UF 16V X7R

C104	065G0402509 31	CHIP 5PF 50V NPO
C108	065G0402509 31	CHIP 5PF 50V NPO
C111	065G0402509 31	CHIP 5PF 50V NPO
FB104	071G 56K121 M	CHIP BEAD
FB201	071G 56V301 B	CHIP BEAD FCM2012VF-301T07 BULLWILL
FB203	071G 56V301 B	CHIP BEAD FCM2012VF-301T07 BULLWILL
FB204	071G 56V301 B	CHIP BEAD FCM2012VF-301T07 BULLWILL
FB101	071G 59K190 B	19 OHM BEAD
FB102	071G 59K190 B	19 OHM BEAD
FB103	071G 59K190 B	19 OHM BEAD
D101	093G 64 42 P	BAV70 SOT23 BY PAN JIT
D105	093G 64 42 P	BAV70 SOT23 BY PAN JIT
D102	093G 6433S	DIODE BAV99 SEMTECH
D103	093G 6433S	DIODE BAV99 SEMTECH
D104	093G 6433S	DIODE BAV99 SEMTECH
D110	093G 6433S	DIODE BAV99 SEMTECH
D111	093G 6433S	DIODE BAV99 SEMTECH
D112	093G 6433S	DIODE BAV99 SEMTECH
D113	093G 6433S	DIODE BAV99 SEMTECH
D114	093G 6433S	DIODE BAV99 SEMTECH
D115	093G 6433S	DIODE BAV99 SEMTECH
D116	093G 6433S	DIODE BAV99 SEMTECH
D117	093G 6433S	DIODE BAV99 SEMTECH
D106	093G 39GA01 T	RLZ5.6B
D107	093G 39GA01 T	RLZ5.6B
D108	093G 39GA01 T	RLZ5.6B
D109	093G 39GA01 T	RLZ5.6B
ZD101	093G 39GA01 T	RLZ5.6B
ZD102	093G 39GA01 T	RLZ5.6B
ZD103	093G 39GA01 T	RLZ5.6B
ZD104	093G 39GA01 T	RLZ5.6B
ZD105	093G 39GA01 T	RLZ5.6B
ZD106	093G 39GA01 T	RLZ5.6B
	715G2559 3 3	MAIN BOARD PCB
	KEPC7QP2	KEY BOARD
CN004	033G8032 4F U	CONNECTOR
SW005	077G 607 1 FD	TACT SWITCH
LED001	081G 14 20 AV	LED AQUA WHITE / AMBER
	715G2882 1 P	IR BOARD PCB
	KEPC7QP3	KEY BOARD G2882-1-K-X-1-071217

CN001	033G3802 3	WAFER EH-3
SW002	077G 603 2 HJ	TACT SWITCH
SW003	077G 603 2 HJ	TACT SWITCH
SW004	077G 603 2 HJ	TACT SWITCH
SW001	077G 603 2 HJ	TACT SWITCH
R002	061G0603182	RST CHIPR 1.8 KOHM +-5% 1/10W
R004	061G0603182	RST CHIPR 1.8 KOHM +-5% 1/10W
R001	061G0603302	RST CHIPR 3 KOHM +-5% 1/10W
R003	061G0603302	RST CHIPR 3 KOHM +-5% 1/10W
RJ002	061G0805000	0 OHM 1/10W
RJ001	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
C001	065G0603102 32	1000PF +-10% 50V X7R
C002	065G0603102 32	1000PF +-10% 50V X7R
C006	065G0603104 32	CHIP 0.1UF 50V X7R
C004	065G0603104 32	CHIP 0.1UF 50V X7R
C005	065G0603104 32	CHIP 0.1UF 50V X7R
C003	065G0603104 32	CHIP 0.1UF 50V X7R
FB001	071G 56K121 M	CHIP BEAD
	715G2882 1 K	KEY BOARD PCB
	PWPC7721LQAB	POWER BOARD G2852-G-X-X-5-071214
CN602	033G3802 4 DH JF	WAFER
CN803	033G8020 2F U	CONN.2P DIP R/A
CN804	033G8020 2F U	CONN.2P DIP R/A
	040G 45762412B	LABEL 25X6MM
	051G 6 4503	GLUE_RTV
IC902	056G 139 3A	IC PC123Y22FZ0F
IC601	056G 616 34	IC APA2069JITUL 2.6W*2 PDIP-16
NR901	061G 58080 WT	8 OHM NCT
R908	061G152M10452T	RST MOFR 100KOHM +-5% 2WS
C904	063G 10722410V	X2 CAP 0.22UF 275VAC
C908	063G 10722410S	X2 CAP 0.22UF 275VAC
C801	065G 3J3006ET	30PF 5% SL 3KV TDK
C803	065G 3J3006ET	30PF 5% SL 3KV TDK
C902	065G305M1022BP	Y2 1000PF M 250VAC Y5P
C901	065G305M1022BP	Y2 1000PF M 250VAC Y5P
C900	065G306M3322BP	3300PF 20%
C907	067G 40Z10115K	CAP 105℃ 100UF M 450V
C922	067G215D4714KV	E.C 105℃ CAP 470UF M 25V ED SERIES
C802	067G215D4714KV	E.C 105℃ CAP 470UF M 25V ED SERIES
C940	067G215S1024KV	EC 105℃ CAP 1000UF M 25V

C939	067G215S1024KV	EC 105℃ CAP 1000UF M 25V
L901	073L 174 40LSG	LINE FILTER
T901	080GL19T 26 T	X'FMR 460UH SRW24LQL-T15H016
CN901	087G 501 32 S	AC SOCKET
CN601	088G 30214K DC	PHONE JACK 5PIN +开口向下弹片
BD901	093G 50460 28	BRIDGE DIODE KBP208G LITEON
D907	093G3006 1 1	31DQ06FC3 NIHON INTER
D905	093G3010 1 1	DIODE 31DQ10FC3
CN902	095G 82010D508	WIRE HARNESS 10P(SAN)-9P(PH) 100MM
	705GQ757011	Q901 ASS'Y
Q901	057G 724 11	STP9NK65ZFP
	0M1G1730 8120	SCREW
HS3	Q90G6263 3	HEAT SINK
	705GQ793053	D906 ASS'Y
D906	093G 60250	FCH10U10
	0M1G1730 8120	SCREW
HS2	Q90G6263 3	HEAT SINK
IC801	056G 379 22	IC TL494IDR SOIC-16
IC901	056G 379 76	IC LD7552BPS SOP-8
Q801	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q806	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q811	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q903	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q904	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q804	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q812	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q809	057G 759 2	RK7002
Q808	057G 760 4B	PDTA144WK SOT346
Q805	057G 760 5B	PDTC144WK SOT346
Q802	057G 763 14	AM9945N
R823	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R942	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W
R926	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W
R827	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W
R824	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W
R818	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W
R863	061G0603100 2F	RST CHIPR 10 KOHM +-1% 1/10W
R832	061G0603100 2F	RST CHIPR 10 KOHM +-1% 1/10W
R828	061G0603100 2F	RST CHIPR 10 KOHM +-1% 1/10W
R807	061G0603100 2F	RST CHIPR 10 KOHM +-1% 1/10W

R808	061G0603100 2F	RST CHIPR 10 KOHM +-1% 1/10W
R817	061G0603100 2F	RST CHIPR 10 KOHM +-1% 1/10W
R820	061G0603100 2F	RST CHIPR 10 KOHM +-1% 1/10W
R601	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R602	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R603	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R604	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R605	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R835	061G0603105	RST CHIPR 1 MOHM +-5% 1/10W
R862	061G0603105	RST CHIPR 1 MOHM +-5% 1/10W
R801	061G0603150 1F	RST CHIPR 1.5 KOHM +-1% 1/10W
R814	061G0603150 1F	RST CHIPR 1.5 KOHM +-1% 1/10W
R930	061G0603243 1F	RST CHIPR 2.43 KOHM +-1% 1/10W
R940	061G0603330 2F	RST CHIPR 33 KOHM +-1% 1/10W
R927	061G0603360 1F	RST CHIPR 3.6 KOHM +-1% 1/10W
R851	061G0603510 1F	RST CHIPR 5.1 KOHM +-1% 1/10W
R607	061G0603622	RST CHIPR 6.2 KOHM +-5% 1/10W
R606	061G0603622	RST CHIPR 6.2 KOHM +-5% 1/10W
R841	061G0603680 2F	RST CHIPR 68 KOHM +-1% 1/10W
R853	061G0603683	RST CHIPR 68 KOHM +-5% 1/10W
R803	061G0603684	RST CHIPR 680 KOHM +-5% 1/10W
R802	061G0603820 1F	RST CHIPR 8.2 KOHM +-1% 1/10W
JR902	061G0805000	0 OHM 1/10W
R822	061G0805100 1F	RST CHIPR 1KOHM +-1% 1/8W
R821	061G0805100 1F	RST CHIPR 1KOHM +-1% 1/8W
R831	061G0805100 1F	RST CHIPR 1KOHM +-1% 1/8W
R915	061G0805100 3F	RST CHIPR 100KOHM +-1% 1/8W
R804	061G0805101	RST CHIPR 100 OHM +-5% 1/8W
R952	061G0805102	RST CHIPR 1KOHM +-5% 1/8W
R939	061G0805102	RST CHIPR 1KOHM +-5% 1/8W
R925	061G0805102	RST CHIPR 1KOHM +-5% 1/8W
R826	061G0805102	RST CHIPR 1KOHM +-5% 1/8W
R938	061G0805103	10 KOHM 1/10W
R608	061G0805109	RST CHIPR 1 OHM +-5% 1/8W
R924	061G0805151	RST CHIPR 150 OHM +-5% 1/8W
R825	061G0805220	22&8 1/10W
R850	061G0805220	22&8 1/10W
R839	061G0805220	22&8 1/10W
R829	061G0805220	22&8 1/10W
R947	061G0805471	RST CHIPR 470 OHM +-5% 1/8W

R943	061G0805471	RST CHIPR 470 OHM +-5% 1/8W
R837	061G0805473	RST CHIPR 47 KOHM +-5% 1/8W
R810	061G0805510 2F	RST CHIPR 51 KOHM +-1% 1/8W
JR801	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
JR901	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
F904	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
F801	061G1206000 4	RST CHIPR 0 OHM +-5% 1/4W
F905	061G1206000 4	RST CHIPR 0 OHM +-5% 1/4W
R910	061G1206100	RST CHIP 10R 1/4W 5%
R962	061G1206101	100 1206
R961	061G1206101	100 1206
R935	061G1206101	100 1206
R918	061G1206101	100 1206
R919	061G1206101	100 1206
R920	061G1206101	100 1206
R921	061G1206101	100 1206
R922	061G1206101	100 1206
R923	061G1206101	100 1206
R855	061G1206150	RST CHIPR 15 OHM +-5% 1/4W
R856	061G1206150	RST CHIPR 15 OHM +-5% 1/4W
R912	061G1206221	RST CHIPR 220 OHM +-5% 1/4W
R904	061G1206304	300 KOHM 1/8W
R932	061G1206304	300 KOHM 1/8W
R933	061G1206304	300 KOHM 1/8W
R909	061G1206519	RST CHIPR 5.1 OHM +-5% 1/4W
R900	061G1206684	RST CHIPR 680 KOHM +-5% 1/4W
R901	061G1206684	RST CHIPR 680 KOHM +-5% 1/4W
R902	061G1206684	RST CHIPR 680 KOHM +-5% 1/4W
C610	065G0603101 31	CER1 0603 NP0 50V 100P PM5 R
C611	065G0603101 31	CER1 0603 NP0 50V 100P PM5 R
C932	065G0603102 32	1000PF +-10% 50V X7R
C842	065G0603103 32	0.01UF +-10% 50V X7R
C612	065G0603104 12	CER2 0603 X7R 16V 100N P
C613	065G0603104 12	CER2 0603 X7R 16V 100N P
C834	065G0603104 22	CHIP 0.1UF 25V X7R
C825	065G0603104 22	CHIP 0.1UF 25V X7R
C821	065G0603104 22	CHIP 0.1UF 25V X7R
C807	065G0603104 22	CHIP 0.1UF 25V X7R
C819	065G0603222 22	CHIP 2200PF 25V X7R
C823	065G0603222 22	CHIP 2200PF 25V X7R

C601	065G0603474 12	MLCC 0603 0.47UF K 16V X7R
C602	065G0603474 12	MLCC 0603 0.47UF K 16V X7R
C603	065G0603474 12	MLCC 0603 0.47UF K 16V X7R
C606	065G0603474 12	MLCC 0603 0.47UF K 16V X7R
C928	065G0805103 32	10NF/50V/0805/X7R
C824	065G0805104 32	CHIP 0.1U 50V X7R
C924	065G0805104 32	CHIP 0.1U 50V X7R
C930	065G0805104 32	CHIP 0.1U 50V X7R
C931	065G0805104 32	CHIP 0.1U 50V X7R
C911	065G0805104 32	CHIP 0.1U 50V X7R
C608	065G0805105 22	CHIP 1UF 25V X7R 0805
C609	065G0805105 22	CHIP 1UF 25V X7R 0805
C822	065G0805105 22	CHIP 1UF 25V X7R 0805
C838	065G0805152 31	1.5NF/50V
C839	065G0805152 31	1.5NF/50V
C820	065G080522131G	220PF 50V NPO 2%
C845	065G0805225 12	CHIP 2.2UF 16V X7R 0805
C909	065G0805471 21	CHIP 470PF 25V NPO
C910	065G1206102 72	CHIP 1000PF 500V X7R
C912	065G1206102 72	CHIP 1000PF 500V X7R
C929	065G1206102 72	CHIP 1000PF 500V X7R
D801	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D802	093G 64 33	DIO SIG SM BAV99 (PHSE)R
ZD906	093G 39S 20 T	RLZ22B LLDS
ZD923	093G 39S 24 T	RLZ 5.6B LLDS
ZD922	093G 39S 25 T	RLZ5.1B LLDS
ZD902	093G 39S 40 T	RLZ 13B LLDS
ZD921	093G 39S 40 T	RLZ 13B LLDS
ZD905	093G 39S 44 T	RLZ18B LLDS
D805	093G 64S522SEM	LL4148
D806	093G 64S522SEM	LL4148
D807	093G 64S522SEM	LL4148
D812	093G 64S522SEM	LL4148
D814	093G 64S522SEM	LL4148
D817	093G 64S522SEM	LL4148
D903	093G 64S522SEM	LL4148
D915	093G 64S522SEM	LL4148
D916	093G 64S522SEM	LL4148
CN901	006G 31500	EYELET
IC903	056G 158 10 T	IC AZ431AZ-AE1 TO-92 BY AAC

R946	061G152M15152T	RST MOFR 150 OHM +-5% 2WS
R914	061G152M47852T	RST MOFR 0.47 OHM +-5% 2WS
R948	061G152M56052T	RST MOFR 56 OHM +-5% 2WS
C906	065G 2K152 1T6213	CAP CER 1500PF K 2KV
C903	067G 2152207NT	KY50VB22M-TP5 5*11
C921	067G215S4713KT	470UF 16V
C915	067G215S4713KT	470UF 16V
C604	067G215Y1014KT	EC CAP.105 度
FB602	071G 55 9 T	FERRITE BEAD
FB901	071G 55 29	FERRITE BEAD
F901	084G 56 3 B	FUSE 3.15A 250V
D900	093G 6026T52T	RECTIFIER DIODE FR107
D901	093G 6038T52T	FR103
	715G2852 1 2	POWER BOARD PCB
L904	S73G25391V1	CHOKE COIL ASS'Y
L903	S73G25391V1	CHOKE COIL ASS'Y
L905	S73G25391V1	CHOKE COIL ASS'Y
	Q34FPE19P06	CASE EEL19
	071FPE19301 02	FP2 EEL19 01
	Q07G 1 5V65 X	WOODEN PALLET
	Q07G 1 5V66 X	WOODEN PALLET
	Q12G6300 30	RUBBER (STAND)
	Q40G 17N69011A	RATING LABEL
	Q40G 17N69012A	RATING LABEL
	Q40G0001624 4A	PALLET LABEL
	Q40G000269012A	FEATURE LABEL
	Q41G160069056A	DOC KIT W1707 FOR NA
	Q41G7800690A50	QSG
	Q44G6002104 98	PAPER BOARD
	Q44G6002122 98	PAPER BOARD
	Q44G7083101	EPS
	Q44G7083201	EPS
	Q44G7083690 1A	CARTON
	Q44GSLIP10032B	PLASTIC SLIPSHEET
	Q44GSLIP10053A	PLASTIC SLIPSHEET
	Q45G 88609 77	EPE BAG FOR MONITOR
	Q45G 88609 79	EPE BAG FOR BASE
	Q52G6025 13153	INSULATE SHEET
	040G 581654 3A	CARTON LABEL
	Q11G0020 1	SUPPORT NAIL

14. Different Parts List

Diversity of T77HMMNKW2HPDN Compared With T77GMMNKW2HPDN		
Location	**Part No.**	**Description**
	750GLH70GWC12Z000H	PANEL HSD170MGW1 C00 NJ HSD
	A15G0322201	MAIN FRAME
	CBPC7HMMHPQ1	MAIN BOARD G2559-3-3-X-1-071212
	PWPC7721HQAA	POWER BOARD G2852-G-X-X-4-071214
R802	061G0603100 2F	RST CHIPR 10 KOHM +-1% 1/10W

Diversity of T77GMMNKW2HFDC Compared With T77GMMNKW2HPDN		
Location	**Part No.**	**Description**
	750GLG71W3B21D000H	PANEL LM171WX3-TLB2 KR LGD

Diversity of T77GMMNMW2HPDN Compared With T77GMMNKW2HPDN		
Location	**Part No.**	**Description**
E08901	089G410A19N IS	POWER CORD
	Q41G160069057A	DOC KIT W1707 FOR APD
	Q44G7083690 2A	17"LCD CARTON

Diversity of T77HMMNMW2HPDN Compared With T77GMMNKW2HPDN		
Location	**Part No.**	**Description**
E08901	089G410A19N IS	POWER CORD
	750GLH70GWC12Z000H	PANEL HSD170MGW1 C00 NJ HSD
	A15G0322201	MAIN FRAME
	CBPC7HMMHPQ1	MAIN BOARD G2559-3-3-X-1-071212
	PWPC7721HQAA	POWER BOARD G2852-G-X-X-4-071214
R828	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W
	Q41G160069057A	DOC KIT W1707 FOR APD
	Q44G7083690 2A	17"LCD CARTON
U402	056G1133713 （WHPMMP7HAQ1）	IC PM25LV010A-100SCE SOIC-8
C904	63G107K2246S1	X2 CAP 0.22UF K 275VAC
C908	63G107K2246S1	X2 CAP 0.22UF K 275VAC

Diversity of T77GMMNCW2HPDN Compared With T77GMMNKW2HPDN		
Location	**Part No.**	**Description**
	044G9003202	CORNER PAPER
E08901	089G422A19N IS	POWER CORD I-SHENG
	Q40G000269011A	QC PASS LABEL
	Q41G160069057A	DOC KIT W1707 FOR APD
	Q44G7083690 2A	17"LCD CARTON
CN902	095G 82010E508	WIRE HARNESS 10P(SAN)-9P(PH)
	Q40G 582786 1A	CARTON LABEL

Diversity of T77HMMNCW2HPDN Compared With T77GMMNKW2HPDN		
Location	**Part No.**	**Description**
	750GLH70GWC12Z000H	PANEL HSD170MGW1 C00 NJ HSD
	A15G0322201	MAIN FRAME
	CBPC7HMMHPQ1	MAIN BOARD G2559-3-3-X-1-071212
	PWPC7721HQAA	POWER BOARD G2852-G-X-X-4-071214
R863	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W
U402	056G1133713 (WHPMMP7HAQ1)	IC PM25LV010A-100SCE SOIC-8
	Q40G000269011A	QC PASS LABEL
	Q41G160069057A	DOC KIT W1707 FOR APD
	Q44G7083690 2A	17"LCD CARTON
	Q40G 582786 1A	CARTON LABEL

Diversity of T77GMMNMW2HEDN Compared With T77GMMNKW2HPDN		
Location	**Part No.**	**Description**
E08901	089G410A19N IS	POWER CORD
	Q41G160069057A	DOC KIT W1707 FOR APD
	Q44G7083690 2A	17"LCD CARTON

Diversity of T77HMMNMW2HEDN Compared With T77GMMNKW2HPDN		
Location	**Part No.**	**Description**
E08901	089G410A19N IS	POWER CORD
	750GLH70GWC12Z000H	PANEL HSD170MGW1 C00 NJ HSD
	A15G0322201	MAIN FRAME
	CBPC7HMMHPQ1	MAIN BOARD G2559-3-3-X-1-071212
	PWPC7721HQAA	POWER BOARD G2852-G-X-X-4-071214
R828	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W
	Q41G160069057A	DOC KIT W1707 FOR APD
	Q44G7083690 2A	17"LCD CARTON

Diversity of T78GMMNCW2HPDN Compared With T77GMMNKW2HPDN			
Location	**Part No.**	**Description**	**Remark**
	044G9003202	CORNER PAPER	
E08901	089G422A19N IS	POWER CORD I-SHENG	
E08901	089G422A19N LS	POWER CORD LONGWELL	
E750	750GLG171W3D11Z0HP	PANEL LM171WX3-TLD1 KR LGD	2nd source
E750	750GLG171W3D22Z0HP	PANEL LM171WX3-TLD2 NJ LGD	
	CBPC8GMMHPQ1	MAIN BOARD	
	Q41G160069057A	Doc kit w1707 for APD	
	Q44G7083690 2A	17"LCD CARTON	
	Q40G 582786 1A	CARTON LABEL	

Diversity of T78GMMNMW2HPDN Compared With T77GMMNKW2HPDN			
Location	**Part No.**	**Description**	**Remark**
E08901	089G410A19N IS	POWER CORD	
E08901	089G410A19N LS	POWER CODE	
E750	750GLG171W3D11Z0HP	PANEL LM171WX3-TLD1 KR LGD	2nd source
E750	750GLG171W3D22Z0HP	PANEL LM171WX3-TLD2 NJ LGD	
	CBPC8GMMHPQ1	CONVERSION BOARD	
	Q41G160069057A	Doc kit w1707 for APD	
	Q44G7083690 2A	17"LCD CARTON	
	044G9003202	CORNER PAPER	

Diversity of T78GMMNYW2HPDN Compared With T77GMMNKW2HPDN			
Location	**Part No.**	**Description**	**Remark**
	041G780069090A	WARRANTY(C8942-90052)	
	044G9003202	CORNER PAPER	
E08901	089G414A19N LS	POWER CARD	
E750	750GLG171W3D11Z0HP	PANEL LM171WX3-TLD1 KR LGD	2nd source
E750	750GLG171W3D22Z0HP	PANEL LM171WX3-TLD2 NJ LGD	
	CBPC8GMMHPQ1	MAIN BOARD	
	Q07G 1 5V65	WOODEN PALLET	
	Q07G 1 5V66	WOODEN PALLET	
	Q40G000269011A	QC PASS LABEL	
	Q41G160069057A	Doc kit w1707 for APD	
	Q41G7800690A54	warranty card(484967-AA1)	
	Q44G7083690 2A	17"LCD CARTON	
	Q45G 76 28 H R	pe bag	

Diversity of T77HMMNMW2HPDC Compared With T77GMMNKW2HPDN			
Location	**Part No.**	**Description**	**Remark**
E08901	089G410A19N IS	POWER CORD	
E08901	089G410A19N LS	POWER CODE	
	750GLH70GWC12D000H	PANEL HSD170MGW1-C00 NJ HSD	
	A15G0322201	MAINFRAME	
	CBPC7HMMHPQ1	MAIN BOARD G2559-3-3-X-1-071212	
	PWPC7721HQAA	POWER BOARD G2852-G-X-X-4-071214	
R807	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W	
	Q07G 8 5 86	COMPOUND PALLET	
	Q07G 8 5 87	COMPOUND PALLET	
	Q41G160069057A	Doc kit w1707 for APD	
	Q44G6002104 98	PAPER BOARD	
	Q44G6002122 98	PAPER BOARD	
	Q44G7083101	EPS	
	Q44G7083201	EPS	
	Q44G7083690 2A	17"LCD CARTON	

Diversity of T77HMMNCW2HPDC Compared With T77GMMNKW2HPDN			
Location	**Part No.**	**Description**	**Remark**
	044G9003202	CORNER PAPER	
E08901	089G422A19N IS	POWER CORD I-SHENG	
E08901	089G422A19N LS	POWER CORD LONGWELL	
	750GLH70GWC12D000H	PANEL HSD170MGW1-C00 NJ HSD	
	A15G0322201	MAINFRAME	
	CBPC7HMMHPQ1	MAIN BOARD G2559-3-3-X-1-071212	
	PWPC7721HQAA	POWER BOARD G2852-G-X-X-4-071214	
R863	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W	
	Q07G 8 5 86	COMPOUND PALLET	
	Q07G 8 5 87	COMPOUND PALLET	
	Q41G160069057A	Doc kit w1707 for APD	
	Q44G6002104 98	PAPER BOARD	
	Q44G6002122 98	PAPER BOARD	
	Q44G7083101	EPS	
	Q44G7083201	EPS	
	Q44G7083690 2A	17"LCD CARTON	
	Q40G 582786 1A	CARTON LABEL	

Diversity of T78GMMNKW2HPDC Compared With T77GMMNKW2HPDN			
Location	**Part No.**	**Description**	**Remark**
E750	750GLG171W3D11D0HP	PANEL LM171WX3-TLD1 KR LGD	2nd source
E750	750GLG171W3D22D0HP	PANE LM171WX3-TLD2 NJ LGD	
	CBPC8GMMHPQ1	MAIN BOARD	

Diversity of T78GMMNMW2HPDC Compared With T77GMMNKW2HPDN			
Location	**Part No.**	**Description**	**Remark**
E08901	089G410A19N IS	POWER CORD	
E08901	089G410A19N LS	POWER CODE	
E750	750GLG171W3D11D0HP	PANEL LM171WX3-TLD1 KR LGD	2nd source
E750	750GLG171W3D22D0HP	PANE LM171WX3-TLD2 NJ LGD	
	CBPC8GMMHPQ1	MAIN BOARD	
	Q41G160069057A	Doc kit w1707 for APD	
	Q44G7083101	EPS	
	Q44G7083201	EPS	
	Q44G7083690 2A	17"LCD CARTON	
	044G9003202	CORNER PAPER	

Diversity of T78GMMNCW2HPDC Compared With T77GMMNKW2HPDN			
Location	**Part No.**	**Description**	**Remark**
E08901	044G9003202	CORNER PAPER	
E08901	089G422A19N IS	POWER CORD I-SHENG	
E750	089G422A19N LS	POWER CORD LONGWELL	
E750	750GLG171W3D11D0HP	PANEL LM171WX3-TLD1 KR LGD	2nd source
	750GLG171W3D22D0HP	PANE LM171WX3-TLD2 NJ LGD	
	CBPC8GMMHPQ1	MAIN BOARDD	
	Q41G160069057A	Doc kit w1707 for APD	
	Q44G7083101	EPS	
	Q44G7083201	EPS	
	Q44G7083690 2A	17"LCD CARTON	
	Q40G 582786 1A	CARTON LABEL	

Diversity of T78GMMNKW2HPDN Compared With T77GMMNKW2HPDN			
Location	**Part No.**	**Description**	**Remark**
E750	750GLG171W3D11Z0HP	PANEL LM171WX3-TLD1 KR LGD	2nd source
E750	750GLG171W3D22Z0HP	PANEL LM171WX3-TLD2 NJ LGD	
	CBPC8GMMHPQ1	MAIN BOARD	

Diversity of T77HMMNKW2HFDC Compared With T77GMMNKW2HPDN			
Location	**Part No.**	**Description**	**Remark**
	750GLH70GWC12D000H	PANEL HSD170MGW1-C00 NJ HSD	
	A15G0322201	MAINFRAME	
	CBPC7HMMHPQ1	MAIN BOARD G2559-3-3-X-1-071212	
	PWPC7721HQAA	POWER BOARD G2852-1-2-X-1-081114	
R802	061G0603120 2F	RST CHIPR 12 KOHM +-1% 1/10W	