

Service Manual

17" LCD MONITOR DELL 1707FPc



THESE DOCUMENTS ARE FOR REPAIR SERVICE INFORMATION ONLY. EVERY REASONABLE EFFORT HAS BEEN MADE TO ENSURE THE ACCURACY OF THIS MANUAL; WE CANNOT GUARANTEE THE ACCURACY OF THIS INFORMATION AFTER THE DATE OF PUBLICATION AND DISCLAIMS RELIABILITY FOR CHANGES, ERRORS OR OMISSIONS.

Table of contents	
Table of contents	02
Revision List	03
Important Safety Notice	04
1. Monitor Specifications	05
2. LCD Monitor Description	06
3. Operation instructions	07
3.1 General Instructions	07
3.2 Control buttons	07
3.3 Adjusting the Picture	11
3.4 Connect Your Monitor	18
4. Input/Output Specification	19
4.1 Input Signal Connector	19
4.2 Factory Preset Display Modes	20
4.3 Power Supply Requirements	20
4.4 Panel Specification	21
5. Block Diagram	24
5.1 Monitor Exploded View	24
5.2 Software Flow Chart	26
5.3 Electrical Block Diagram	28
6. Schematic Diagram	30
6.1 Main Board	30
6.2 Power Board	35
6.3 USB Board	37
7. Layout	39
7.1 Main Board	39
7.2 Power Board	40
7.3 USB Board	42
7.4 Key Board	42
8. Mechanical Instruction	43
9. Maintainability	52
9.1 Equipments and Tools Requirement	52
9.2 Trouble Shooting	53
10. White Balance Adjustment	59
11. EDID Content	61
12. ISP Instruction	62
12.1 Software Requirement and Connection	62
12.2 Install the Software	63
12.3 Running Program	65
13. Check List	68
14. BOM List	71
15. Definition Of Pixel Defects	126
16. Different Parts List	132

Revision List

[illegible]

Important Safety Notice

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

CAUTION: USE A SEPARATE ISOLATION TRANSFORMER FOR THIS UNIT WHEN SERVICING
REFER TO BACK COVER FOR IMPORTANT SAFETY GUIDELINGS

Important Safety Notice

Proper service and repair is important to the safe, reliable operation of all Dell Company** Equipment. The service procedures recommended by Dell 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. Dell 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, Dell has not undertaken any such broad evaluation. Accordingly, a servicer who uses a service procedure or tool which is not recommended by Dell 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, Dell Company will be referred to as Dell.

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 Dell. Dell 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

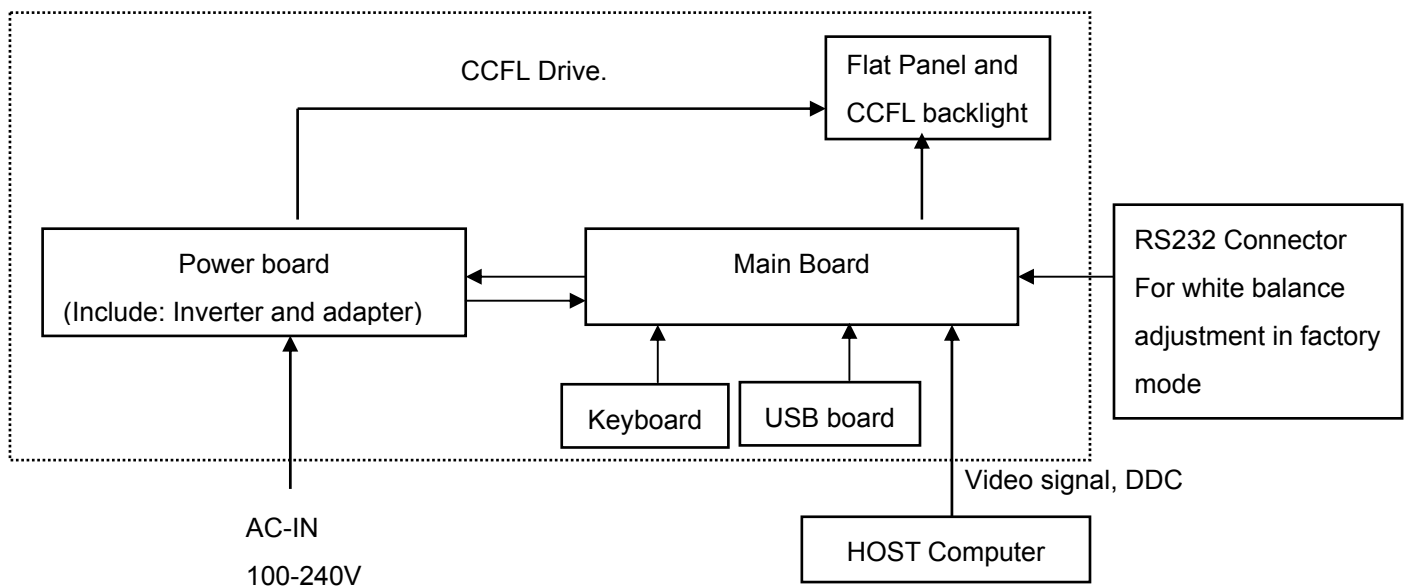
LCD Panel			Screen type	Active matrix - TFT LCD
			Panel Type	LTM170EU-L21 (SEC)
				LM170E01-TLB4 (LPL)
			Size	430mm(17.0")
			Display Area	337.92(H) x 270.336(V)
			Pixel pitch	0.264mm(H) x 0.264mm(V)
			Viewable angle (CR>=10)	150(H) / 135(V) (type) (For LTM170EU-L21 panel)
				140(H) / 140(V) (type) (For LM170E01-TLB4 panel)
			Response time	8ms(type)
Input			Video	R, G, B Analog Interface
			Separate Sync	H/V TTL
			H-Frequency	30kHz – 81kHz
			V-Frequency	56 - 76Hz
Display Colors			16.2M Colors	
Dot Clock			165MHz (Max)	
Optimal preset resolution			1280 x 1024 at 60 Hz	
Highest preset resolution			1280 x 1024 at 75 Hz	
Plug & Play			VESA DDC	
EPA ENERGY STAR®	ON Mode (with Dell Sound bar and USB active)		<65W	
	OFF Mode		<3W	
Connector Type			15-pin D-subminiature, blue connector; DVI-D, white connector	
Input Video Signal			Analog RGB, 0.7 Volts +/-5%, positive polarity at 75 ohm input impedance	
Power Source			100 V ~ 240 V± 10 %VAC, 50 ± 3Hz, 60 ± 3Hz	
Environmental Considerations		Temperature:	Operating: 5° to 35°C (41° to 95°F) Non-operating: Storage: -20° to 60°C (-4° to 140°F); Shipping: -20° to 60°C (-4° to 140°F)	
		Humidity:	Operating: 10% to 80% Non-operating: Storage: 5% to 90%; Shipping: 5% to 90%	
		Altitude:	Operating: 3,657.6m (12,000 ft) max Non*operating: 12,192 m (40,000 ft) max	
Weight			Weight with packaging: 7.70 kg (16.98 lbs)	
			Weight with stand assembly and cables: 6.00 kg (13.23 lbs)	
			Weight without stand assembly: 4.14 kg (9.13 lbs)	
			Weight of stand assembly: 1.5 kg (3.31 lbs)	

2. LCD Monitor Description

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

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

Monitor Block Diagram



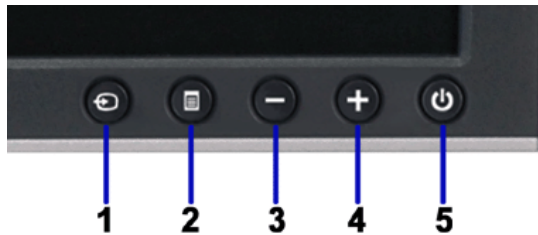
3. Operation instructions

3.1 General Instructions

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

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

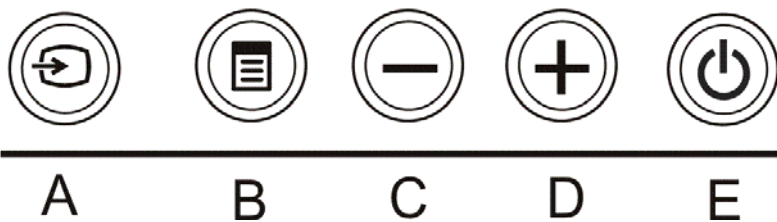
3.2 Control Buttons

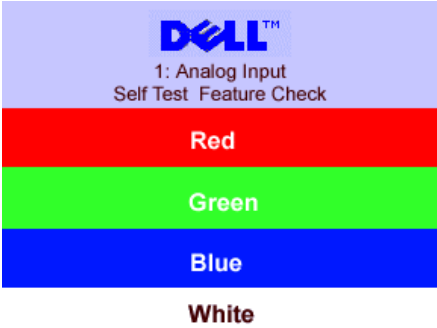
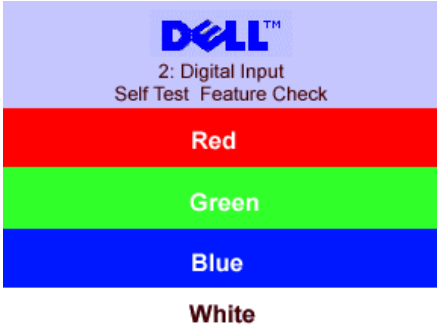
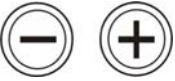


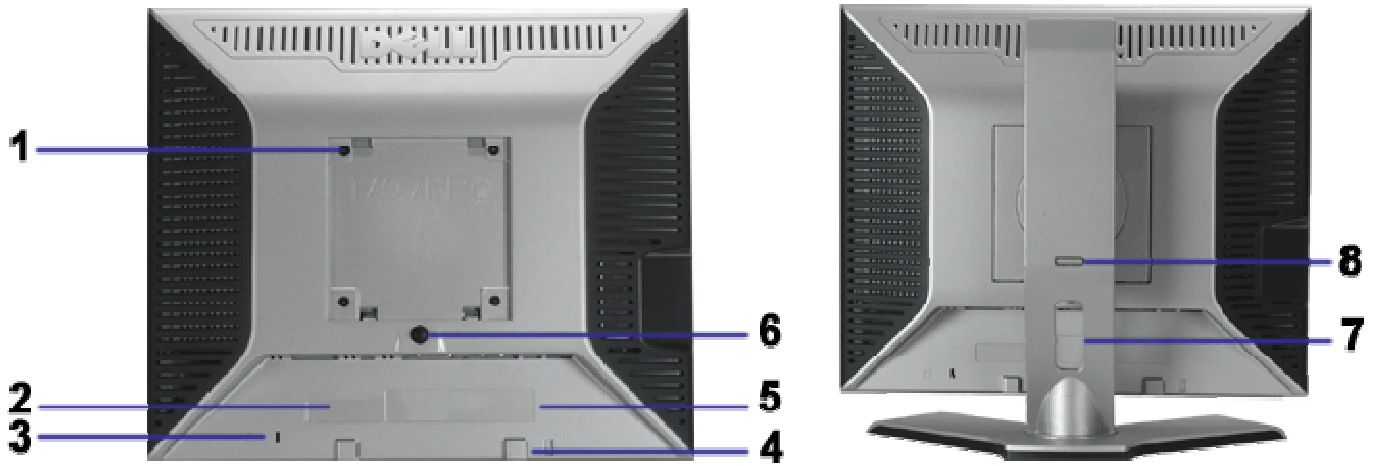
1.	Input select
2.	OSD menu / select button
3.	Down button
4.	Up button
5.	Power button (with power light indicator)

Using the front panel

Use the buttons on the front of the monitor to adjust the image settings.

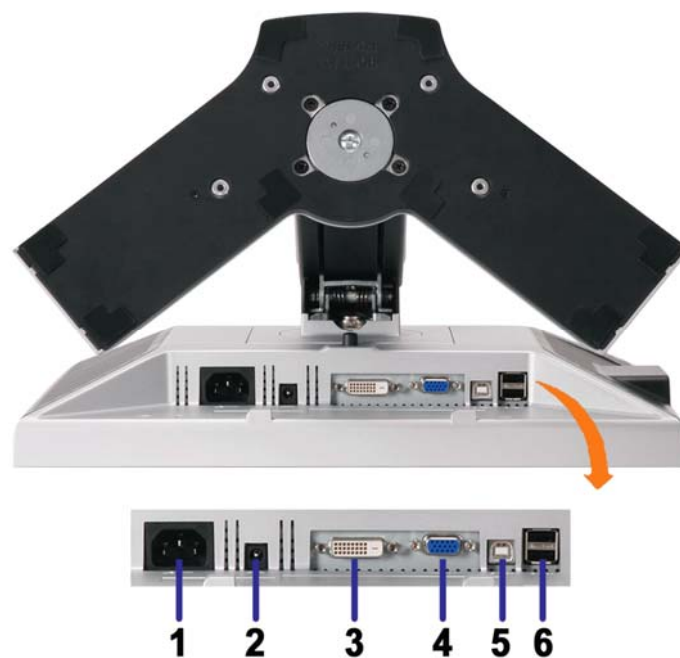


 Input select	Use the Input Select button to select between two different video signals that may be connected to your monitor. NOTE: The floating 'Dell Self-test Feature Check' dialog appears on a black background If the monitor cannot sense a video signal. Depending upon the selected input, one of the dialogs shown below will scroll continually.  
 OSD menu / select	The Menu button is used to open and exit the on-screen display (OSD), and exit from menus and sub-menus.
 Down (-) and Up (+)	Use these buttons to adjust (decrease/increase ranges) items in the OSD menu.
 Power Button and Indicator	Use the power button to turn the monitor on and off. The green light indicates the monitor is on, and fully functional. An amber light indicates power save mode.



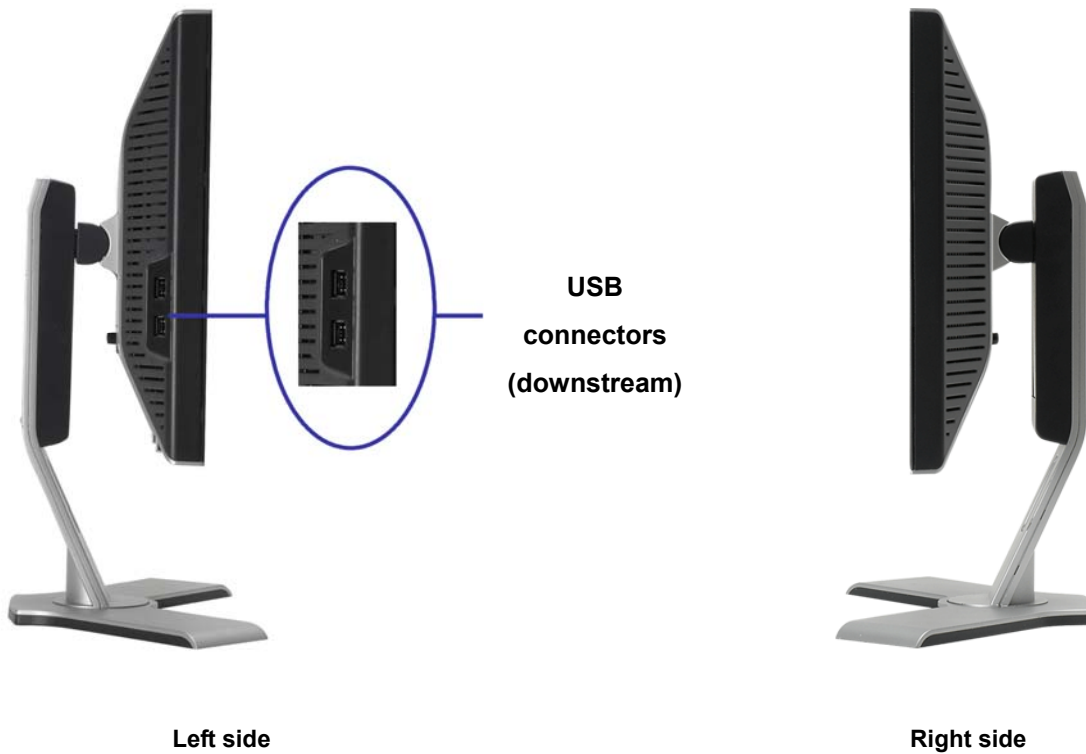
1	VESA mounting holes (100mm) (Behind attached base plate)	Use to mount the monitor.
2	Barcode serial number label	Refer to this label if you need to contact Dell for technical support.
3	Security lock slot	Use a security lock with the slot to help secure your monitor.
4	Dell Soundbar mounting brackets	Attach the optional Dell Soundbar.
5	Regulatory rating label	List the regulatory approvals.
6	Stand removal button	Press to release the stand
7	Cable holder	Help organize cables by placing them in the holder.
8	Lock down/release button	Push the monitor down, press the button to unlock the monitor, and then lift the monitor to the desired height.

Bottom View



1	Power connector	Insert the power cable.
2	Dell Soundbar power connector	Connect the power cord for the Soundbar (optional).
3	DVI connector	Connect your computer DVI cable.
4	VGA connector	Connect your computer VGA cable.
5	USB upstream connector	Connect the USB cable that came with your monitor to the monitor and the computer. Once this cable is connected you can use the USB connectors on the side and bottom of the monitor.
6	USB connector	Connect your USB devices.

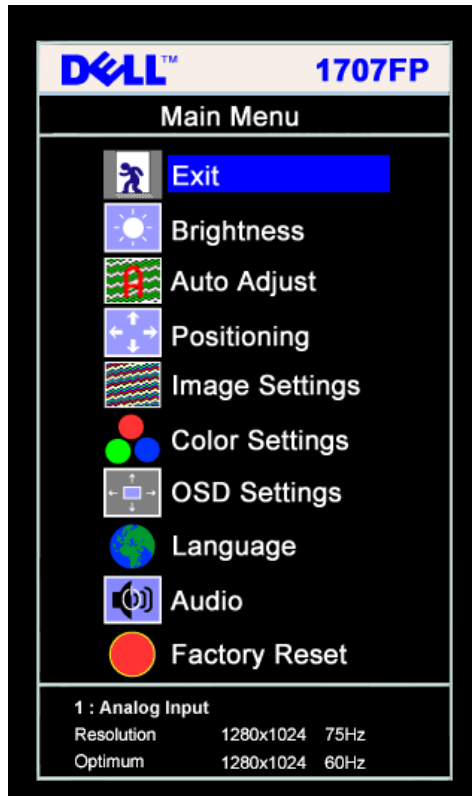
Side View



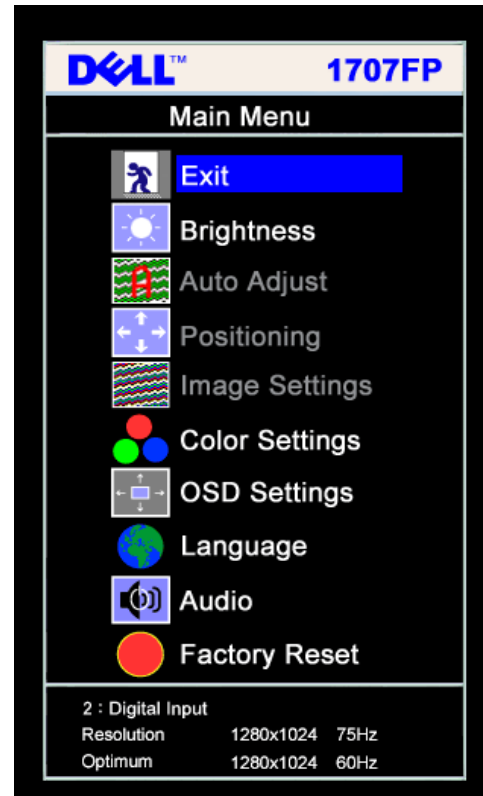
3.3 Adjusting the Picture

NOTE: If you change the settings and then either proceed to another menu, or exit the OSD menu, the monitor automatically saves those changes. The changes are also saved if you change the settings and then wait for the OSD menu to disappear.

Main Menu for Analog (VGA) Input



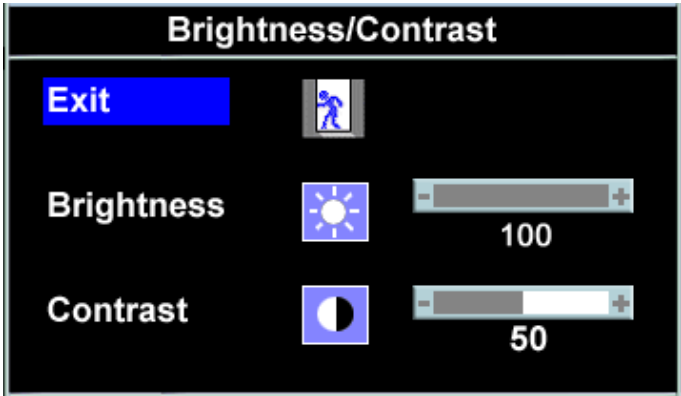
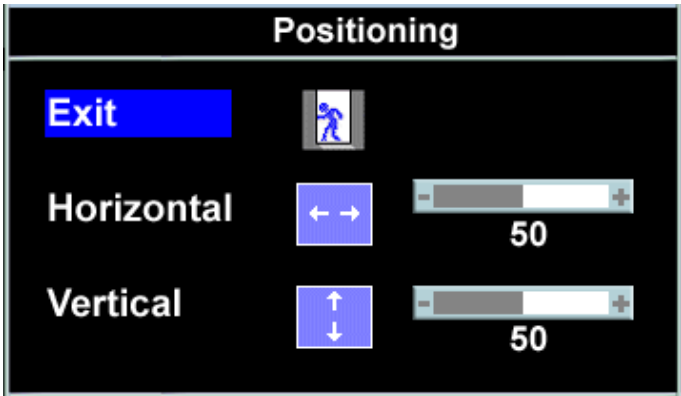
Main Menu for Digital (DVI) Input

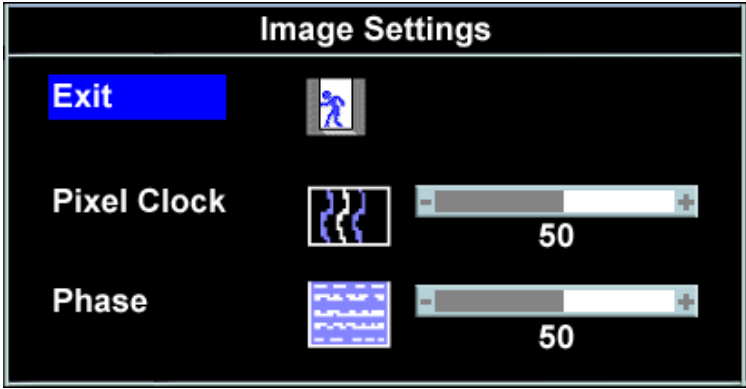


Or

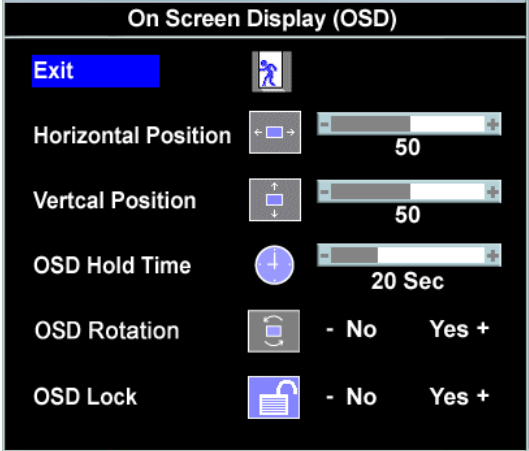
NOTE: Positioning and Image Settings are only available when you are using the analog (VGA) connector.

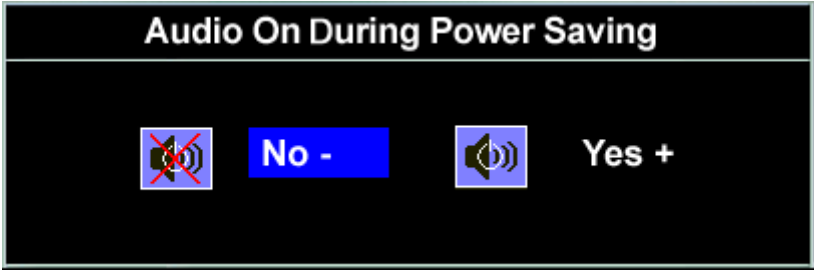
1. Push the MENU button to open the OSD menu and display the main menu.
2. Push the - and + buttons to move between the setting options. As you move from one icon to another, the option name is highlighted. See the table below for a complete list of all the options available for the monitor.
3. Push the MENU button once to activate the highlighted option.
4. Push - and + button to select the desired parameter.
5. Push MENU to enter the slide bar and then use the - and + buttons, according to the indicators on the menu, to make your changes.
6. Push the MENU button once to return to the main menu to select another option or push the MENU button two or three times to exit from the OSD menu.

Icon	Menu and Submenus	Description
	Exit	Select to exit the Main menu
	Brightness/Contrast	Brightness adjusts the luminance of the backlight. Adjust Brightness first, then adjust Contrast only if further adjustment is necessary. Push the + button to increase luminance and push the - button to decrease luminance (min 0 ~ max 100). Contrast adjusts the degree of difference between darkness and lightness on the monitor screen. Push the + button to increase the contrast and push the - button to decrease the contrast (min 0 ~ max 100).   NOTE: When using DVI source, the contrast adjustment is not available.
	Positioning: Horizontal Vertical	Positioning moves the viewing area around on the monitor screen. When making changes to either the Horizontal or Vertical settings, no changes occur to the size of the viewing area. The image shifts in response to your selection. Minimum is 0 (-) and maximum is 100 (+). 

		 NOTE: When using DVI source, the Positioning option is not available.
	Auto Adjust	Even though your computer recognizes your monitor on startup, the Auto Adjustment function optimizes the display settings for use with your particular setup. Select to activate automatic setup and adjustment. The following dialog appears on a black screen as the monitor self-adjusts to the current input: Auto Adjust In Progress Auto Adjustment allows the monitor to self-adjust to the incoming video signal. After using Auto Adjustment, you can further tune your monitor by using the Pixel Clock (Coarse) and Phase (Fine) controls under Image Settings.  In most cases, Auto Adjust produces the best image for your configuration.
	Image settings: Pixel Clock (Coarse) Phase (Fine)	The Phase and Pixel Clock adjustments allow you to more closely adjust your monitor to your preference. These settings are accessed through the main OSD menu, by selecting Image Settings. Use the - and + buttons to make adjustments. (Minimum: 0 ~ Maximum: 100) If satisfactory results are not obtained using the Phase adjustment, use Pixel Clock (Coarse) and then use Phase (fine), again.  NOTE: This function may change the width of the display image. Use the Horizontal function of the Position menu to center the display image on the screen.   NOTE: When using DVI source, the Image Settings option is not available.
	Color Settings	Color Settings adjusts the color temperature, color hue, and saturation.

	Blue Preset Red Preset Normal Preset User Preset	The color hue is most noticeable in areas of white. • Blue Preset is selected to obtain a bluish tint. This color setting is typically used for text based applications (spreadsheets, programming, text editors, etc.). • Red Preset is selected to obtain a redder tint. This color setting is typically used for color-intensive applications (photograph image editing, multimedia, movies, etc.). • Normal Preset is selected to obtain the default (factory) color settings. This setting is also the “sRGB” standard default color space. • User Preset: Use the plus and minus buttons to increase or decrease each of the three colors (R, G, B) independently, in single digit increments, from 0 to 100.
	OSD Settings: Horizontal Position Vertical Position OSD Hold Time	Adjust the settings for the OSD, including the location, the amount of time the menu remains on-screen, and the rotation of the OSD. Position of the OSD: • To adjust the horizontal position of the OSD, use the - and + buttons, and move OSD to the left and right. • To adjust the vertical position of the OSD, use the - and + buttons, and move OSD down and up. OSD Hold Time: The OSD stays active for as long as it is in use. Adjusting the hold time, sets the length of time the OSD remains active after the last time you pressed a button. Use the - and + buttons to adjust the slider in 5 second increments, from 5 to 60 seconds. OSD Lock: Controls user access to adjustments. When Yes (+) is selected, no user adjustments are allowed. All buttons are locked except the menu button.

	OSD Lock	 NOTE: When the OSD is locked, pressing the menu button takes the user directly to the OSD settings menu, with OSD Lock selected. Select No (-) to unlock and allow user access to all applicable settings.  The screenshot shows the 'On Screen Display (OSD)' menu. At the top is an 'Exit' button. Below it are settings for 'Horizontal Position' (set to 50), 'Vertical Position' (set to 50), 'OSD Hold Time' (set to 20 Sec), 'OSD Rotation' (set to - No), and 'OSD Lock' (set to - No). Each setting has a corresponding icon and a slider or selection buttons.  NOTE: You can also lock or unlock the OSD by pushing and holding the Menu button for 15 seconds.
	Language	Select to have the OSD display in one of five languages (English, French, Spanish, German, or Japanese).  The screenshot shows the 'Language' menu. At the top is an 'Exit' button. Below it are five language options, each with a flag icon: English (USA), Español (Spain), Français (France), Deutsch (Germany), and 日本語 (Japan).  NOTE: The change only affects the OSD. It has no effect on any software running on the computer.
	Audio (optional)	You can select to have the audio on or off when the monitor is in power saving mode. Yes — enables audio No — disables audio (default)

		 NOTE: When the Dell Soundbar is not properly connected to the monitor, the audio menu is not available.
	Factory Reset:	Reset the OSD menu options to the factory-preset values.  Exit — Select to exit out of Reset to Factory Settings menu without resetting any OSD options. Position settings only — Change the settings for Image Position back to original factory settings. Color settings only — Change the Red, Green, and Blue settings back to their original factory settings and set the default setting for Normal Preset. All settings — Change all the user-adjustable settings including color, position, brightness, contrast and OSD hold time to the factory defaults. The language of the OSD does not change.

OSD Warning Messages

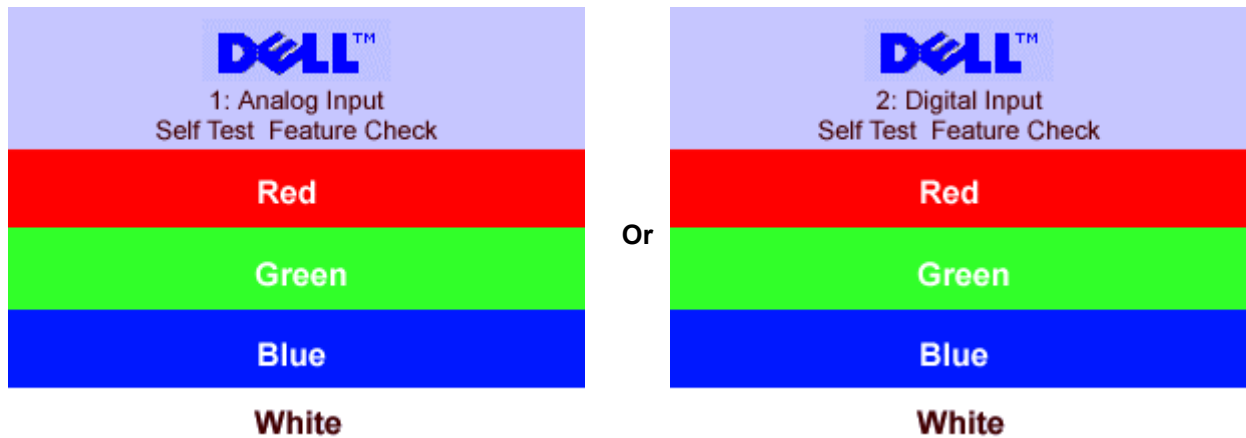
One of the following warning messages may appear on the screen indicating that the monitor is out of synchronization.

1. Analog Input
Cannot Display This Video Mode
Optimum Resolution 1280 x1024 60Hz

2. Digital Input
Cannot Display This Video Mode
Optimum Resolution 1280 x1024 60Hz

This means that the monitor cannot synchronize with the signal that it is receiving from the computer. Either the signal is too high or too low for the monitor to use. See Specifications for the Horizontal and Vertical frequency ranges addressable by this monitor. Recommended mode is 1280 X 1024 @ 60Hz.

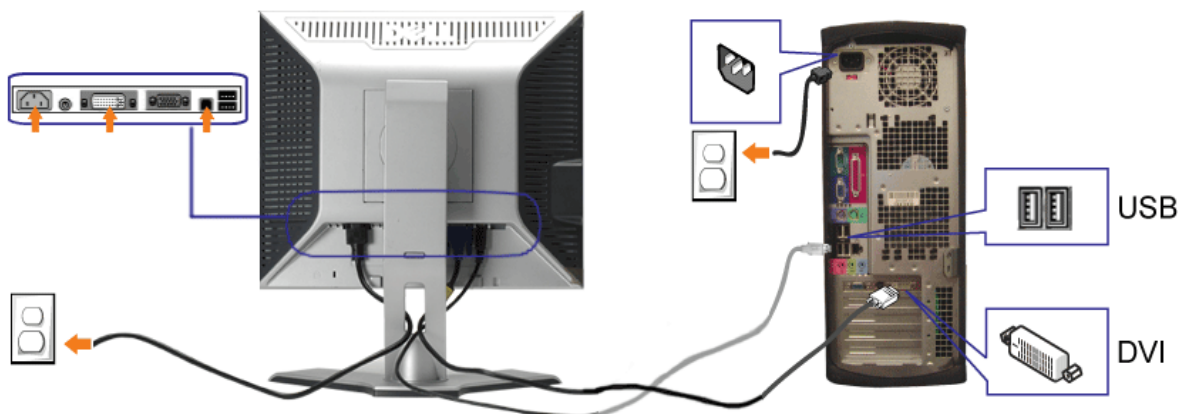
NOTE: The floating Dell Self-test Feature Check dialog appears on-screen if the monitor cannot sense a video signal.



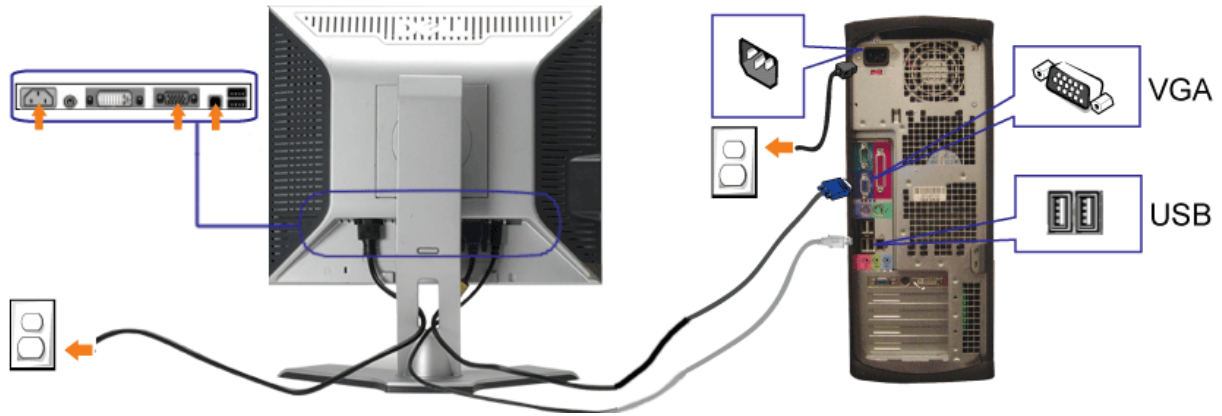
Occasionally, no warning message appears, but the screen is blank. This could also indicate that the monitor is not synchronizing with the computer.

3.4 Connect Your Monitor

CAUTION: Before you begin any of the procedures in this section, follow the safety instructions.



Or



1. Turn off your computer and disconnect the power cable.
2. Connect either the white DVI or blue VGA cables to the connectors on the computer and the monitor.
Connect the USB cable that was included with your monitor to the computer and the upstream USB connector on the monitor. Once this cable is connected to the computer and the monitor, you can use the USB connectors on the monitor.
- 3.
4. Connect any USB devices.
5. Connect the power cables
6. Turn on your monitor and computer. If you do not see an image, push the input select button and ensure the correct input source is selected.

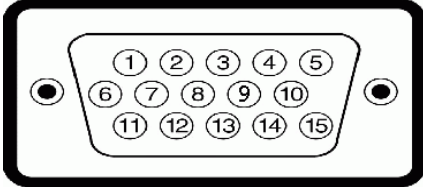
4. Input/Output Specification

4.1 Input Signal Connector

4.1.1 D-Sub Connector

Pin	Signal Assignment	Pin.	Signal Assignment
1.	Red Video	9.	DDC +5V
2.	Green Video	10.	GND-Sync
3.	Blue Video	11.	GND
4.	GND	12.	DDC Data
5.	Self Test	13.	H-Sync
6.	R-Ground	14.	V-Sync
7.	G-Ground	15.	DDC Clock
8.	B-Ground		

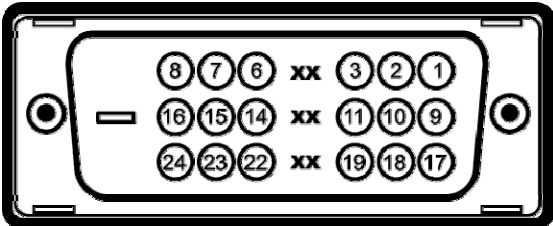
VGA Connector layout



4.1.2 DVI Connector

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

DVI Connector Layout



4.2 Factory Preset Display Modes

Display Mode	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock (MHz)	Sync Polarity (Horizontal/Vertical)
VESA, 720 x 400	31.5	70.0	28.3	-/+
VESA, 640 x 480	31.5	60.0	25.2	-/-
VESA, 640 x 480	37.5	75.0	31.5	-/-
VESA, 800 x 600	37.9	60.3	49.5	+/+
VESA, 800 x 600	46.9	75.0	49.5	+/+
VESA, 1024 x 768	48.4	60.0	65.0	-/-
VESA, 1024 x 768	60.0	75.0	78.8	+/+
VESA, 1152 x 864	67.5	75.0	108	+/+
VESA, 1280 x 1024	64.0	60.0	135.0	+/+
VESA, 1280 x 1024	80.0	75.0	135.0	+/+

4.3 Power Supply Requirements

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

4.4 Panel Specification

4.4.1 Display Characteristics

For LTM170EU - L21 panel

Items	Specification	Unit
Display area	337.92(H) x 270.336(V)	mm
Driver element	a-Si TFT active matrix	
Display colors	16.2M	colors
Number of pixels	1280 x 1024	pixel
Pixel arrangement	RGB vertical stripe	
Pixel pitch	0.264(H) x 0.264(W)	mm
Display mode	Normally White	
Surface treatment	Haze 25% , Hard-coating (3H)	

For LM170E01-TLB4 panel

Active screen size	17.0 inch (43.27cm) diagonal
Outline Dimension	358.5(H) x 296.5(V) x 17.0(D) mm(Typ.)
Pixel Pitch	0.264 mm x 0.264 mm
Pixel Format	1280 horiz. by 1024 vert. Pixels. RGB stripe arrangement
Display Colors	16.2M colors
Luminance, white	300 cd/m ² (Typ. Center 1 point)
Power Consumption	19.6 Watts(Typ.)
Weight	2150g (Typ.)
Display operating mode	Transmissive mode, normally white
Surface treatments	Hard coating (3H), Anti-glare treatment of the front polarizer

4.4.2 Optical Characteristics

For LTM170EU - L21 panel

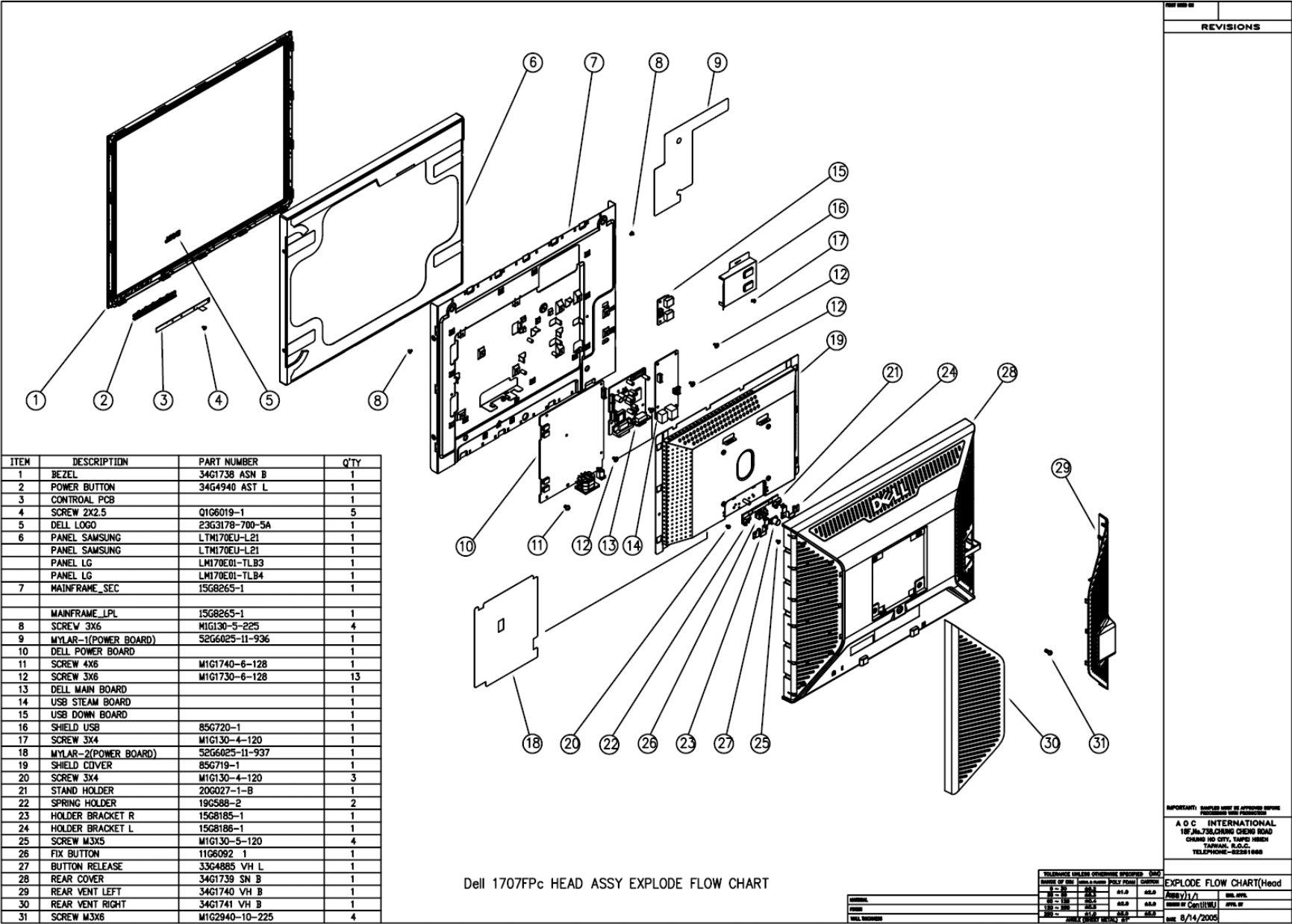
Item		Symbol	Condition	Min.	Typ.	Max.	Unit	Note
Contrast Ratio (Center of screen)		C/R	Normal $\phi = 0$ $\theta = 0$ Viewing Angle	500	700	-		(3) BM-5A
Response Time	Rising	Tr		-	2.0	4	msec	(5) BM-7
	Falling	Tf		-	6.0	10		
Luminance of White (Center of screen)		YL		250	300	-	cd/m2	(6) BM-5A
Color Chromaticity (CIE 1931)	Red	Rx		0.620	0.650	0.680		(7) PR650
		Ry		0.300	0.330	0.360		
	Green	Gx		0.270	0.300	0.330		
		Gy		0.570	0.600	0.630		
	Blue	Bx		0.120	0.150	0.180		
		By		0.050	0.080	0.110		
	White	Wx		0.283	0.313	0.343		
		Wy		0.299	0.329	0.359		
Color Chromaticity (CIE 1976)	Red	Ru'		-	0.459	-		
		Rv'		-	0.525	-		
	Green	Gu'		-	0.125	-		
		Gv'		-	0.563	-		
	Blue	Bu'		-	0.164	-		
		Bv'		-	0.197	-		
	White	Wu'		-	0.198	-		
		Wv'		-	0.468	-		
Viewing Angle	Hor.	θ L	CR $\geq$ 10	65	75	-	Degrees	(8) BM-5A
		θ R		65	75	-		
	Ver.	ϕ H		65	75	-		
		ϕ L		50	60	-		
Brightness Uniformity (9 Points)		Buni		-	-	25	%	(4) BM-5A

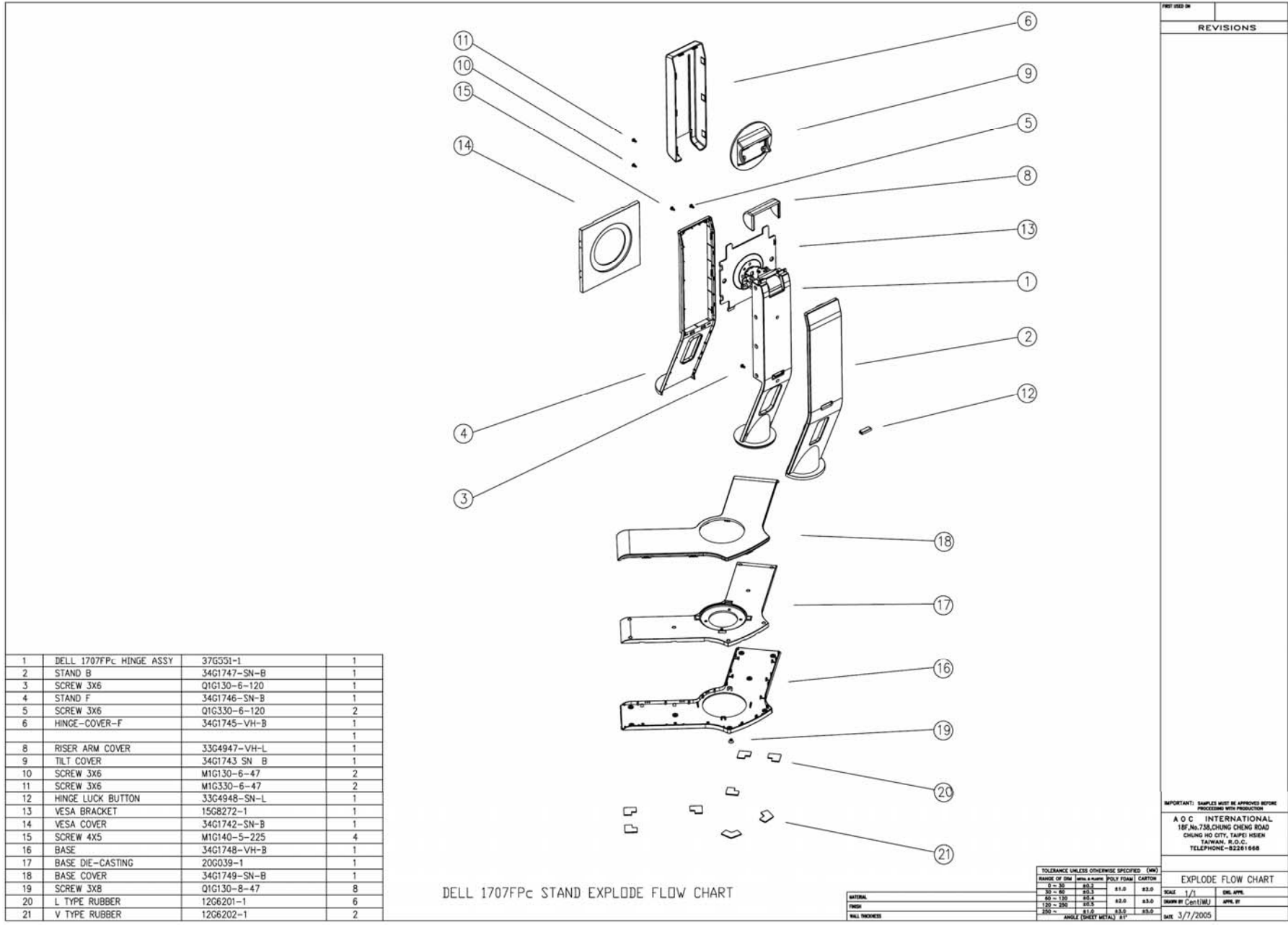
For LM170E01-TLB4 panel

Parameter	Symbol	Values			Units	Notes
		Min.	Typ.	Max.		
Contrast ratio	CR	500	700	-		1
Surface luminance, white	L_{WH}	250	300	-	cd/m ²	2
Luminance uniformity	ΔL_s	75	-	-	%	3
Response time	T_r		8	18	ms	4
Rise time	T_{rR}	-	2	6		
Decay time	T_{rD}	-	6	12		
CIE color coordinates						
Red	XR	0.605	0.635	0.665		
	YR	0.312	0.342	0.372		
Green	XG	0.262	0.292	0.322		
	YG	0.581	0.611	0.641		
Blue	XB	0.117	0.147	0.177		
	YB	0.040	0.070	0.100		
White	XW	0.283	0.313	0.343		
	YW	0.299	0.329	0.359		
Viewing angle (by CR ≥ 10)						
X axis, right ($\phi=0^\circ$)	θ_r	60	70	-	degree	5
X axis, left ($\phi=180^\circ$)	θ_l	60	70	-		
Y axis, up ($\phi=90^\circ$)	θ_u	60	75	-		
Y axis, down ($\phi=270^\circ$)	θ_d	50	65	-		
Viewing angle (by CR ≥ 5)						
X axis, right ($\phi=0^\circ$)	θ_r	70	80	-	degree	
X axis, left ($\phi=180^\circ$)	θ_l	70	80	-		
Y axis, up ($\phi=90^\circ$)	θ_u	70	85	-		
Y axis, down ($\phi=270^\circ$)	θ_d	60	75	-		
Relative brightness						6
Luminance uniformity (TC099)		-	-	1.7		Figure 10

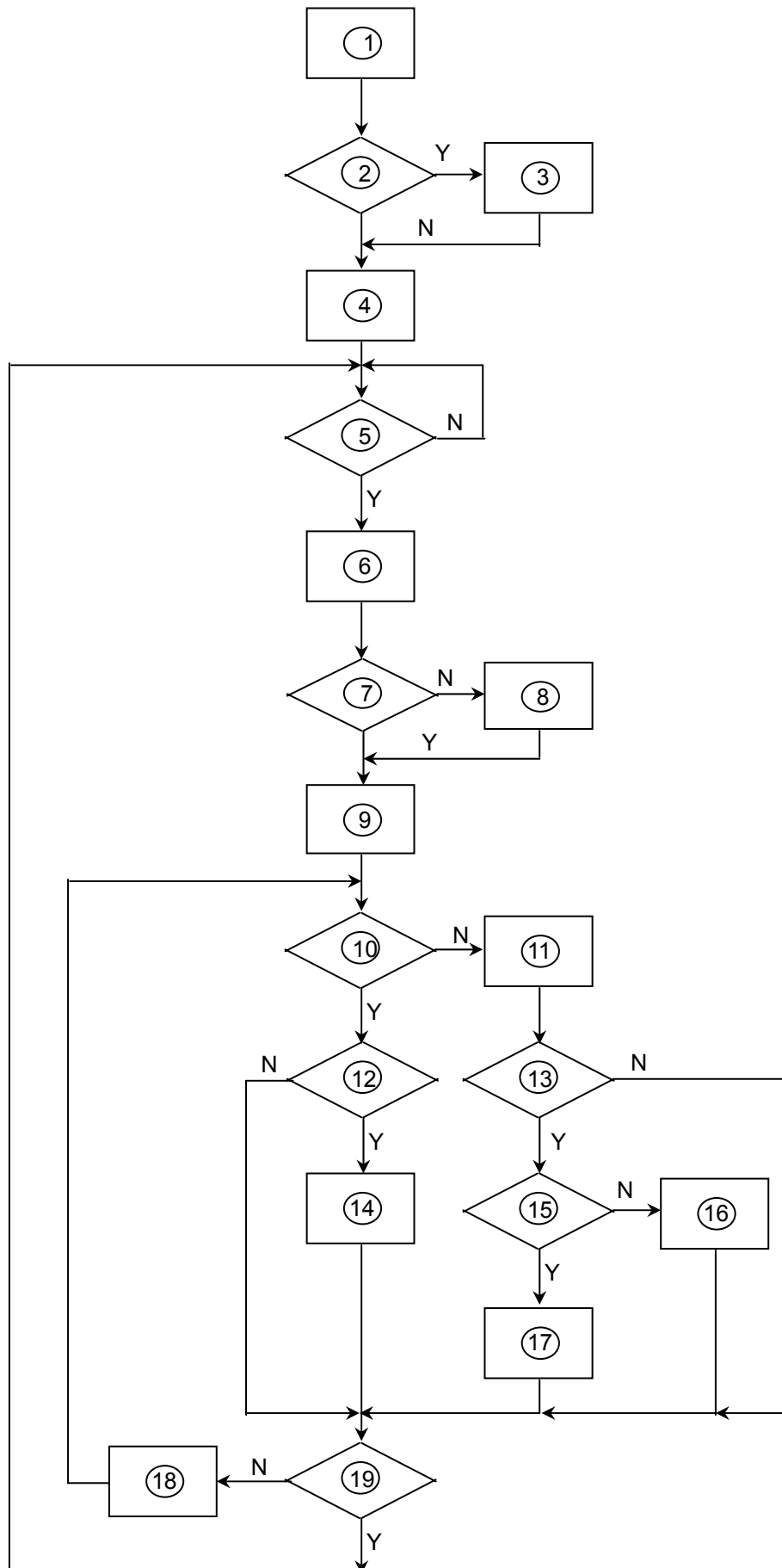
5. Block Diagram

5.1 Monitor Exploded View





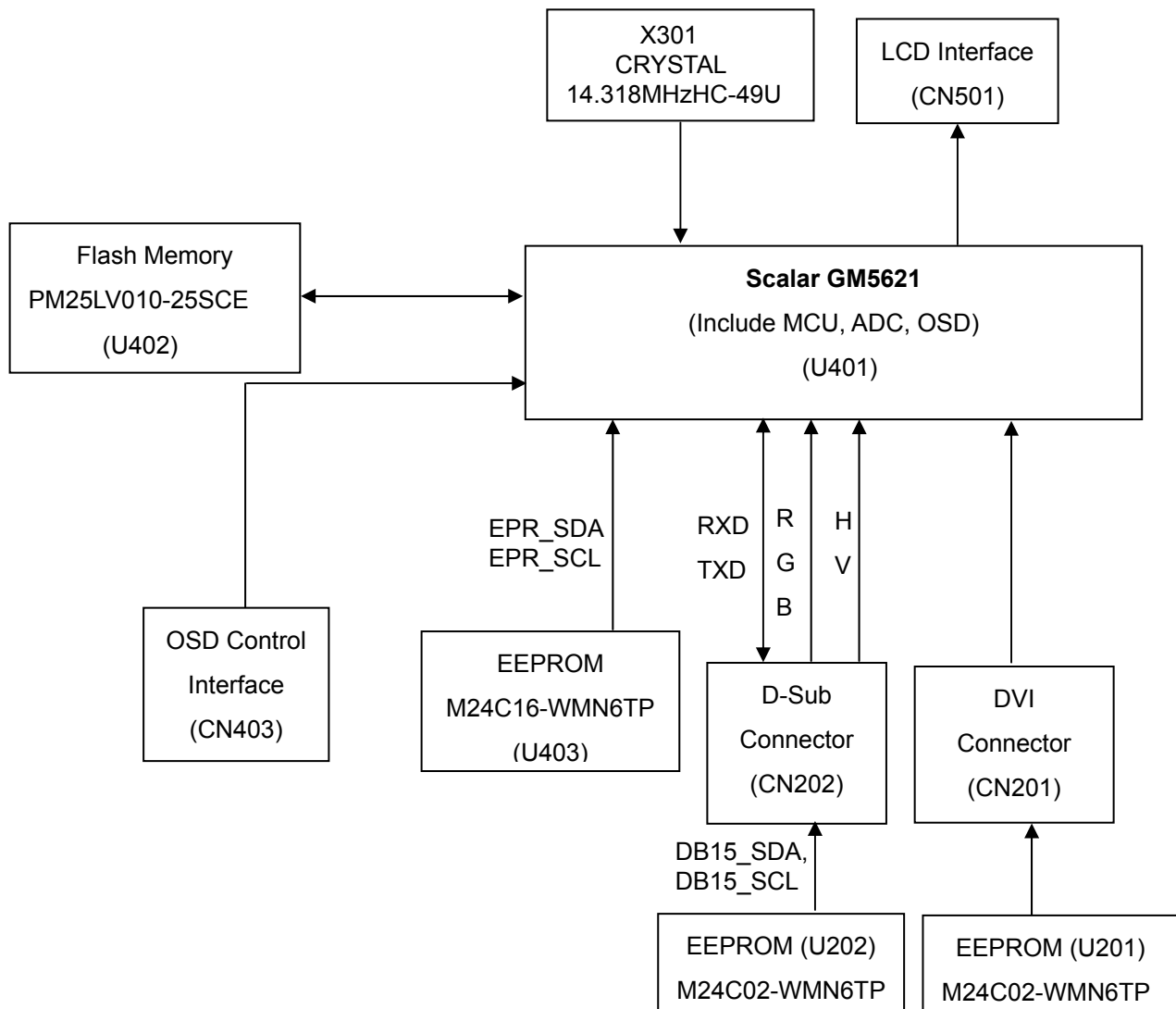
5.2 Software Flow Chart



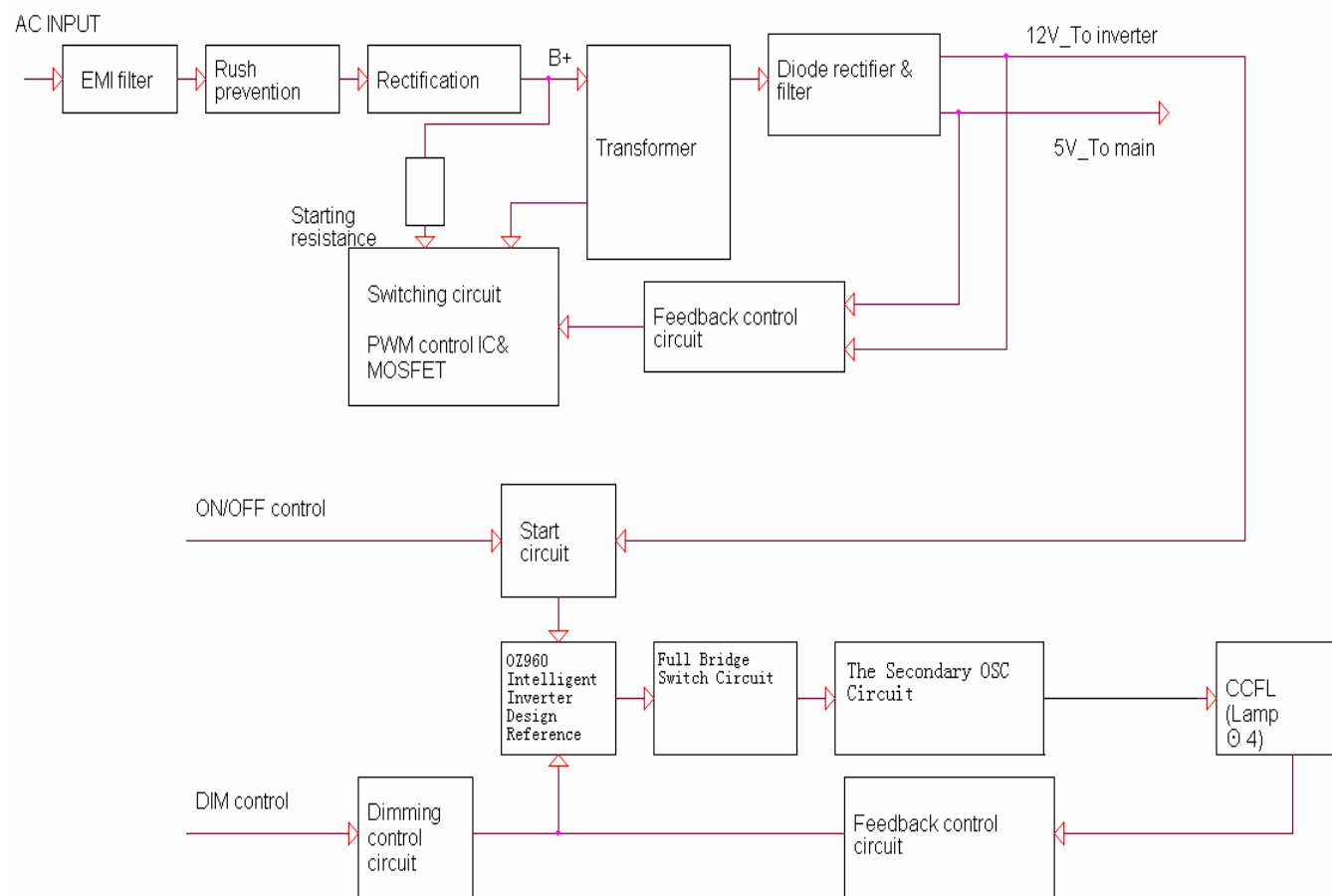
- 1) MCU Initializes.
- 2) Is the EEprom blank?
- 3) Program the EEprom by default values.
- 4) Get the PWM value of brightness from EEprom.
- 5) Is the power key pressed?
- 6) Clear all global flags.
- 7) Are the AUTO and SELECT keys pressed?
- 8) Enter factory mode.
- 9) Save the power key status into EEprom.
Turn on the LED and set it to green color. Scalar initializes.
- 10) In standby mode?
- 11) Update the lifetime of back light.
- 12) Check the analog port, are 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 disappears.
- 17) Program the scalar to be able to show the coming mode.
- 18) Process the OSD display.
- 19) Read the keyboard. Is the power key pressed?

5.3 Electrical Block Diagram

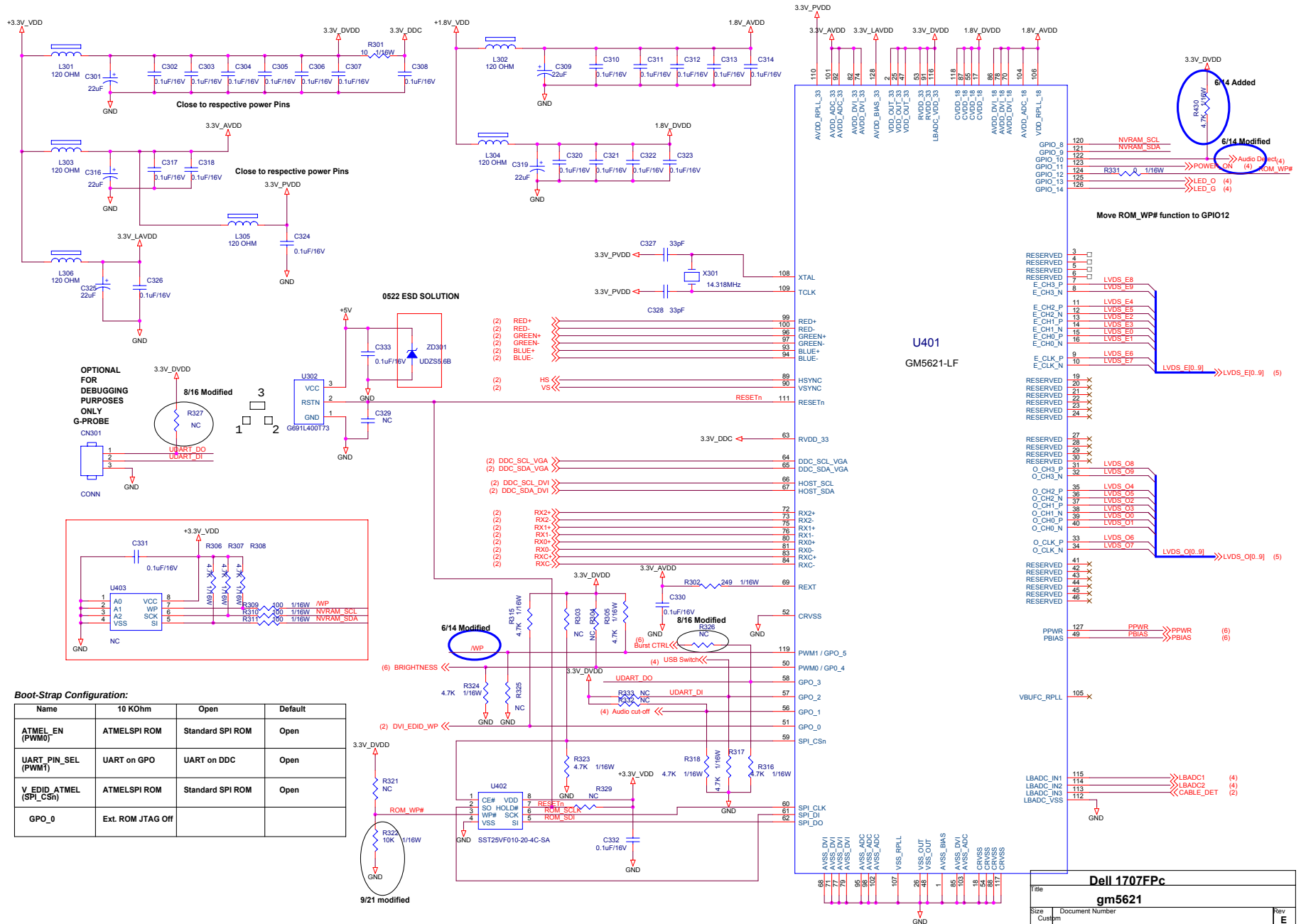
5.3.1 Main Board

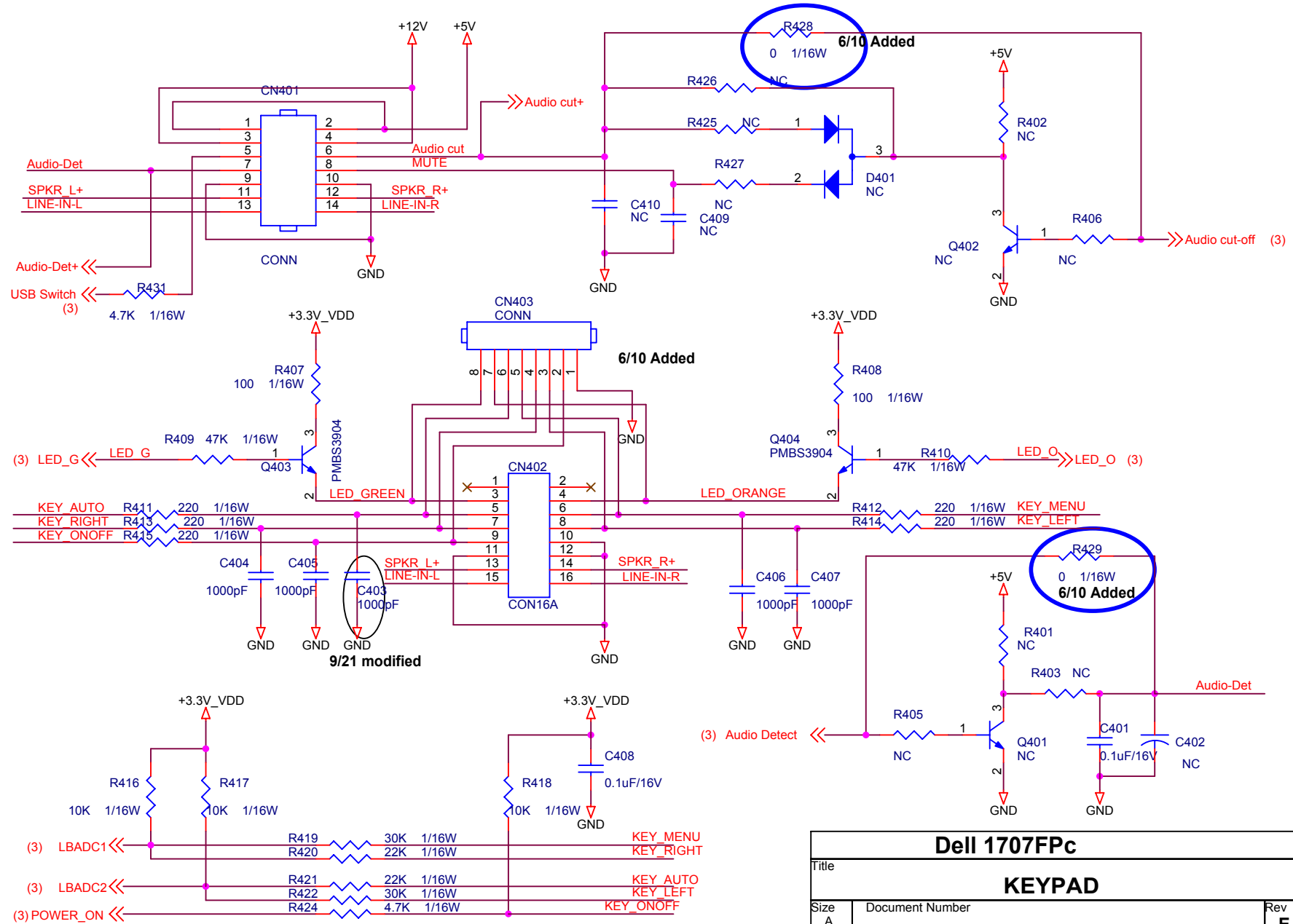


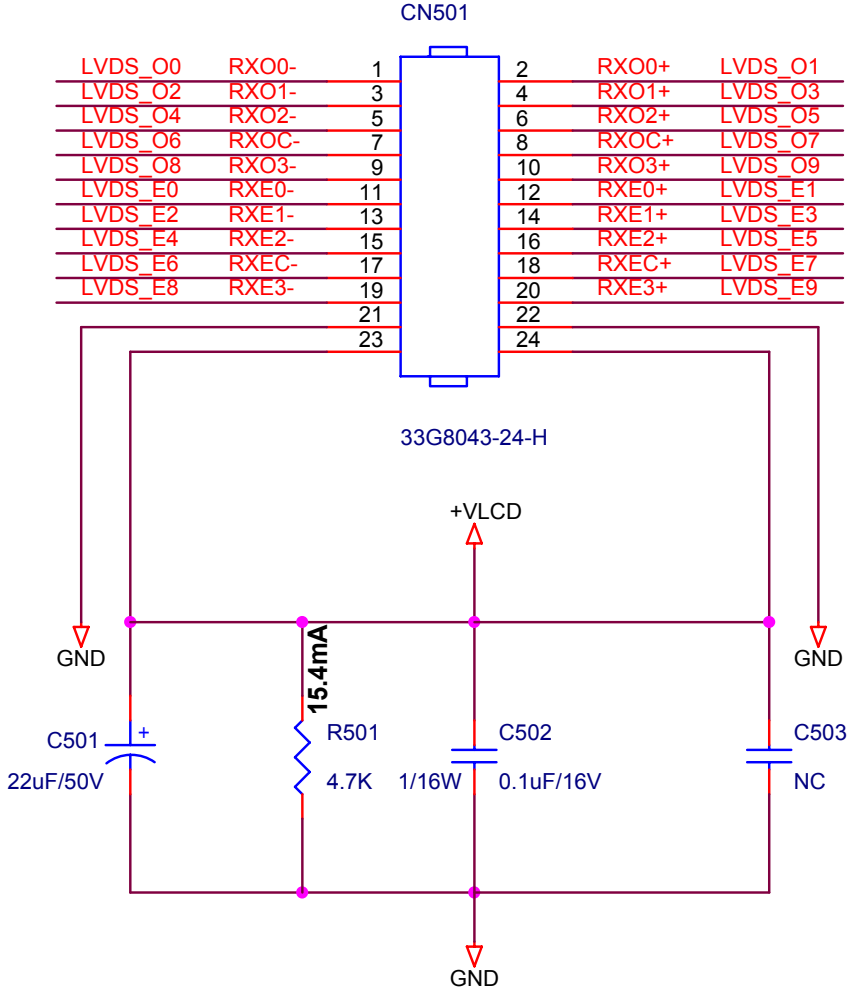
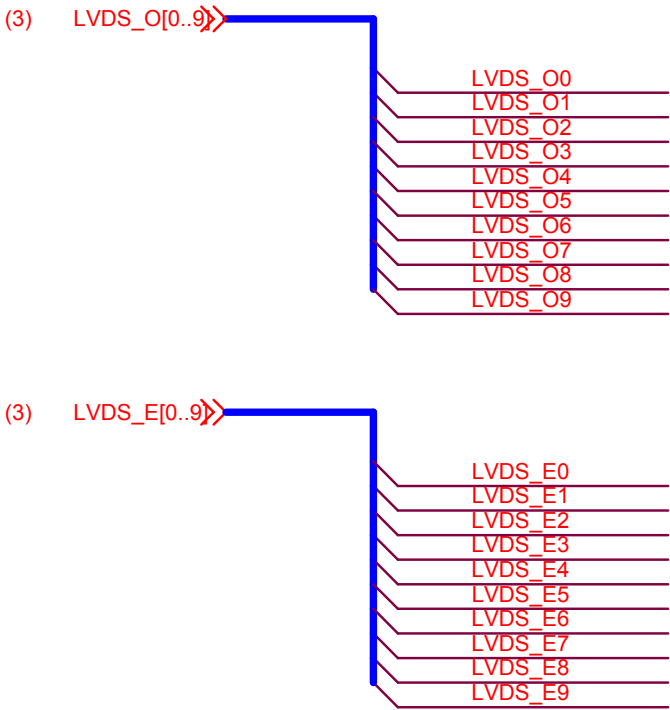
5.3.2 Inverter/Power Board



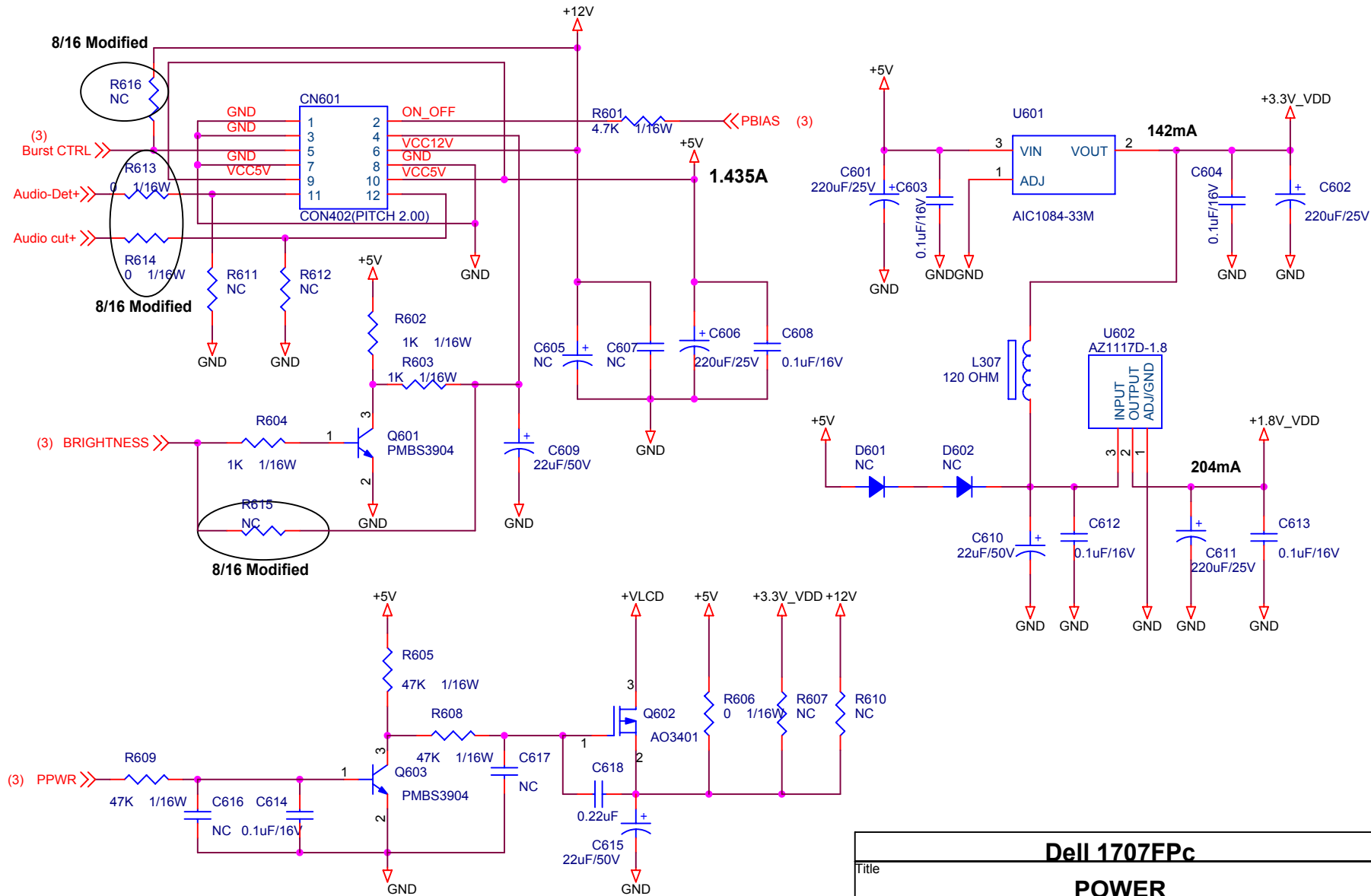






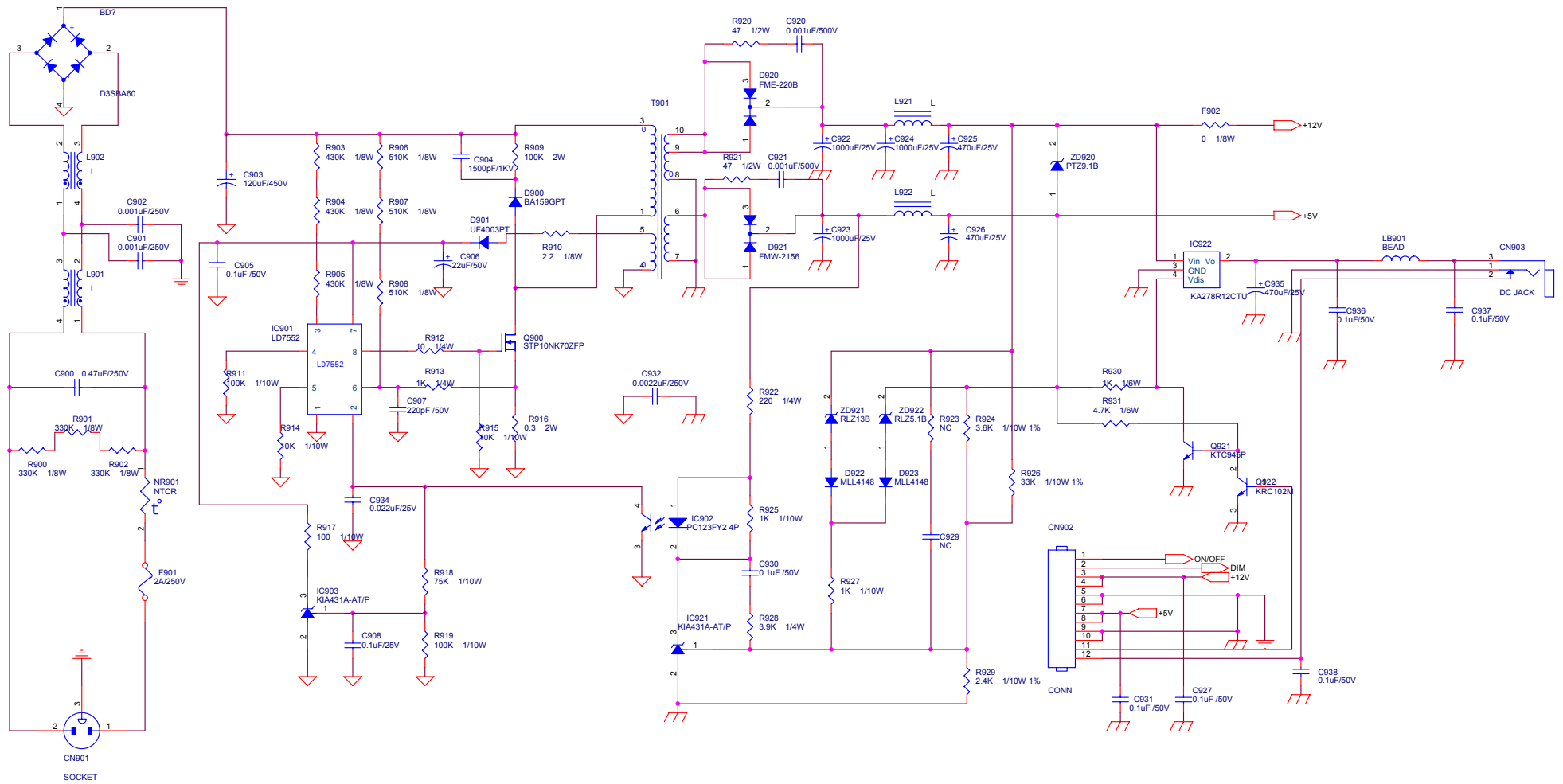


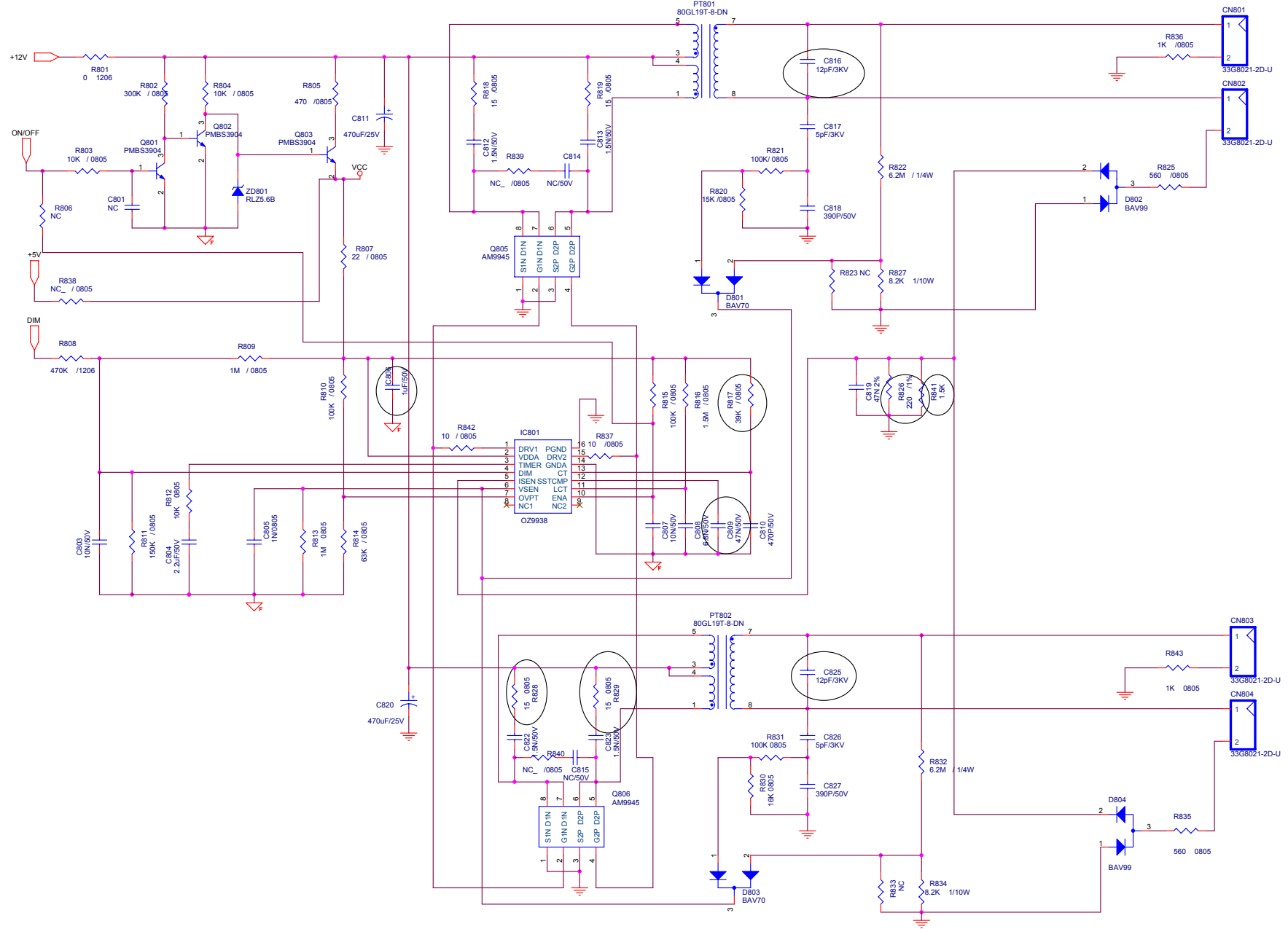
Dell 1707FPc		
Title		
PANEL INTERFACE		
Size A	Document Number	Rev E
Date:	Monday, November 14, 2005	Sheet 5 of 6



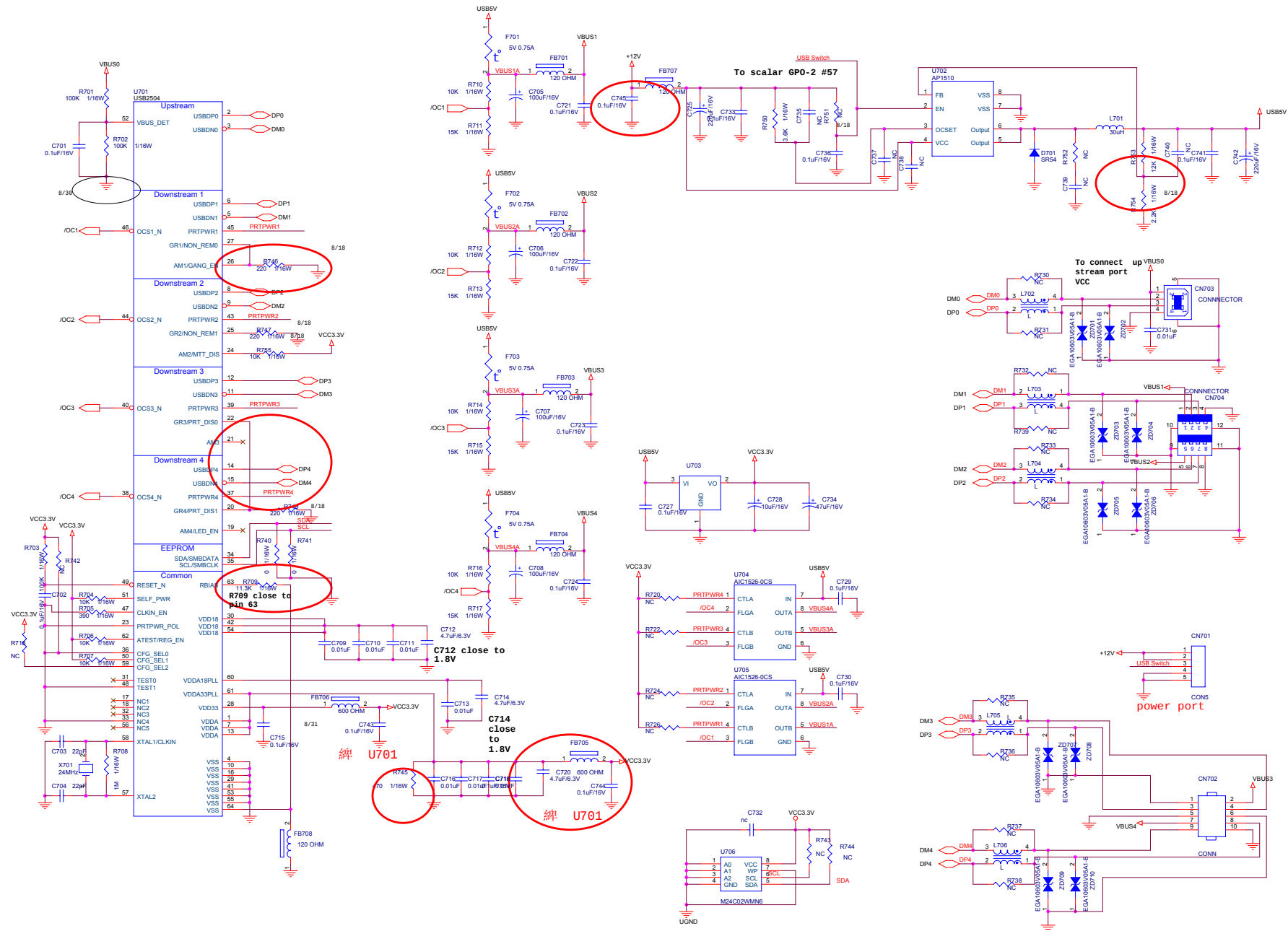
Dell 1707FPc			
POWER			
Size A	Document Number		Rev E
Date:	Monday, November 14, 2005	Sheet 6 of 6	

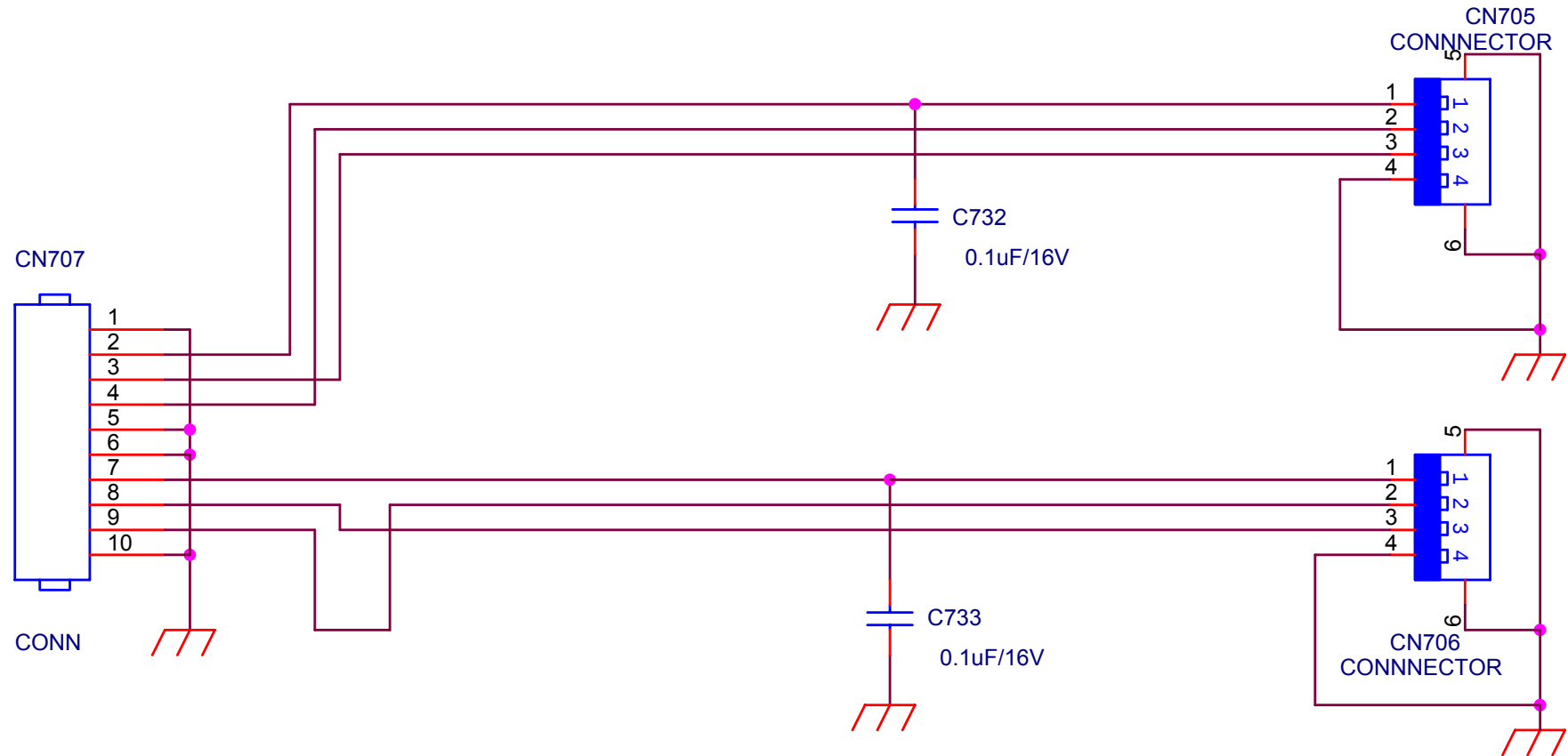
6.2 Power Board





6.3 USB Board

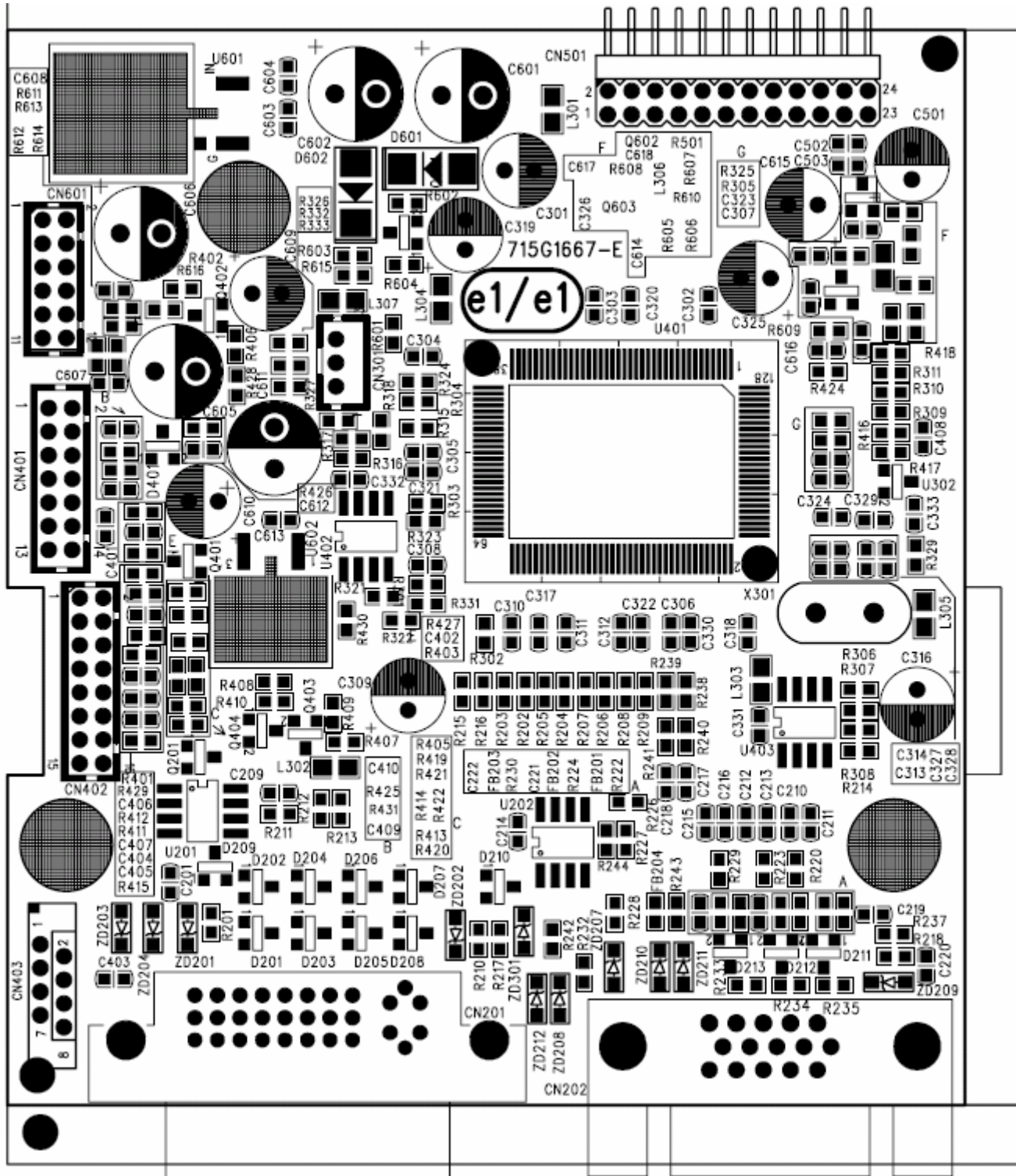




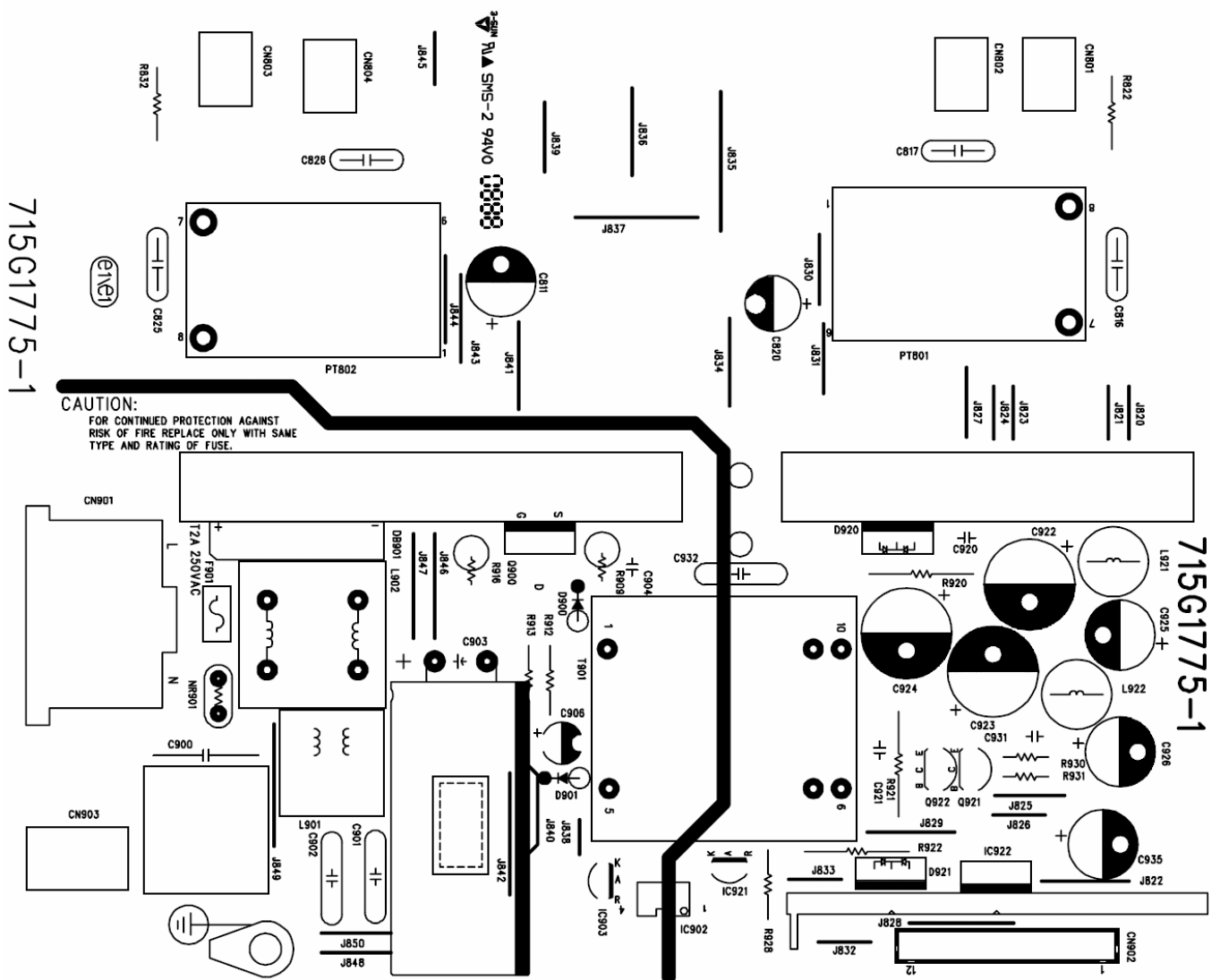
Title			
<Title>			
Size	Document Number		Rev
A	715G1665-A-2		<Rev Code>
Date:	Wednesday, October 19, 2005	Sheet	1 of 1

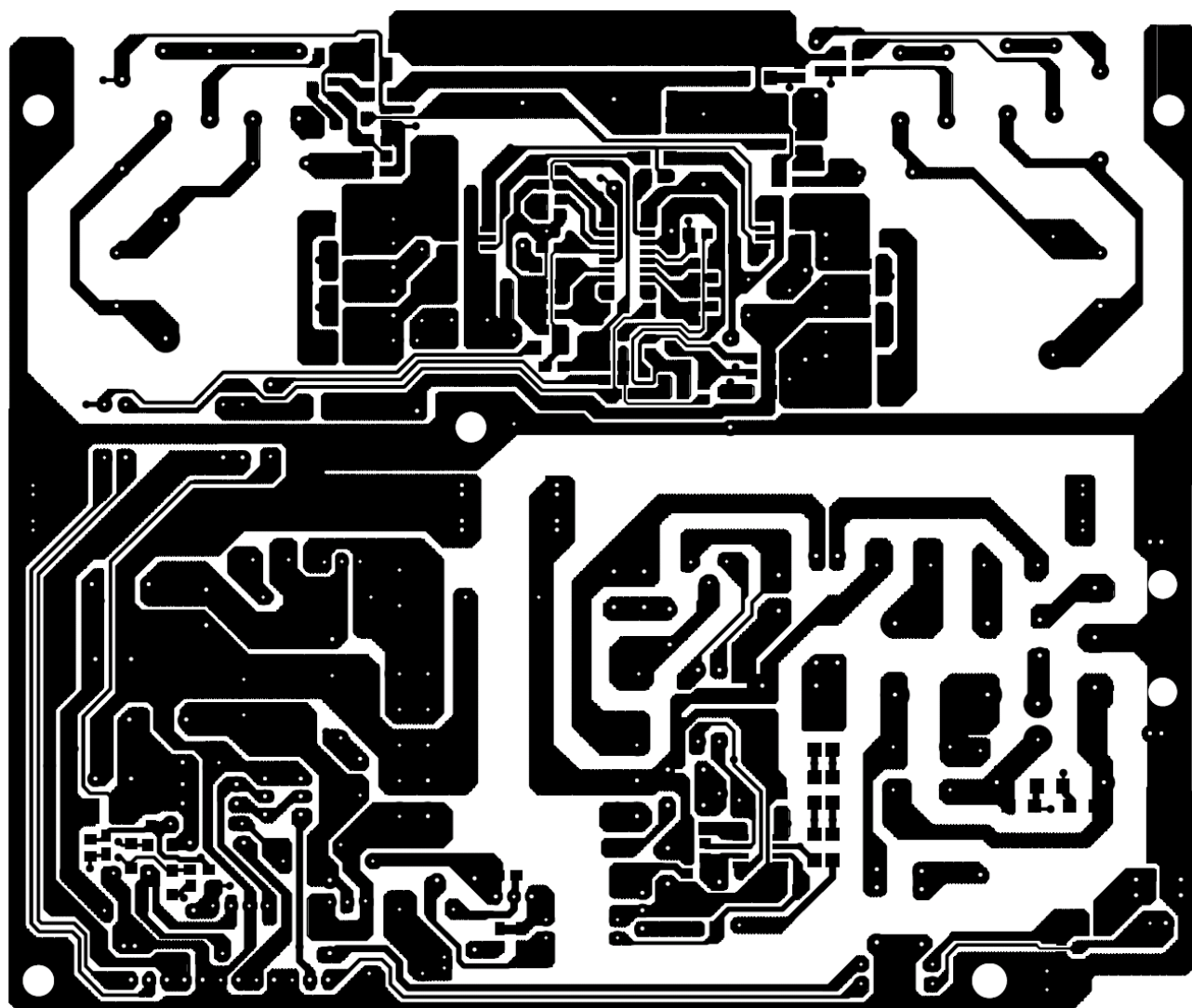
7. PCB Layout

7.1 Main Board



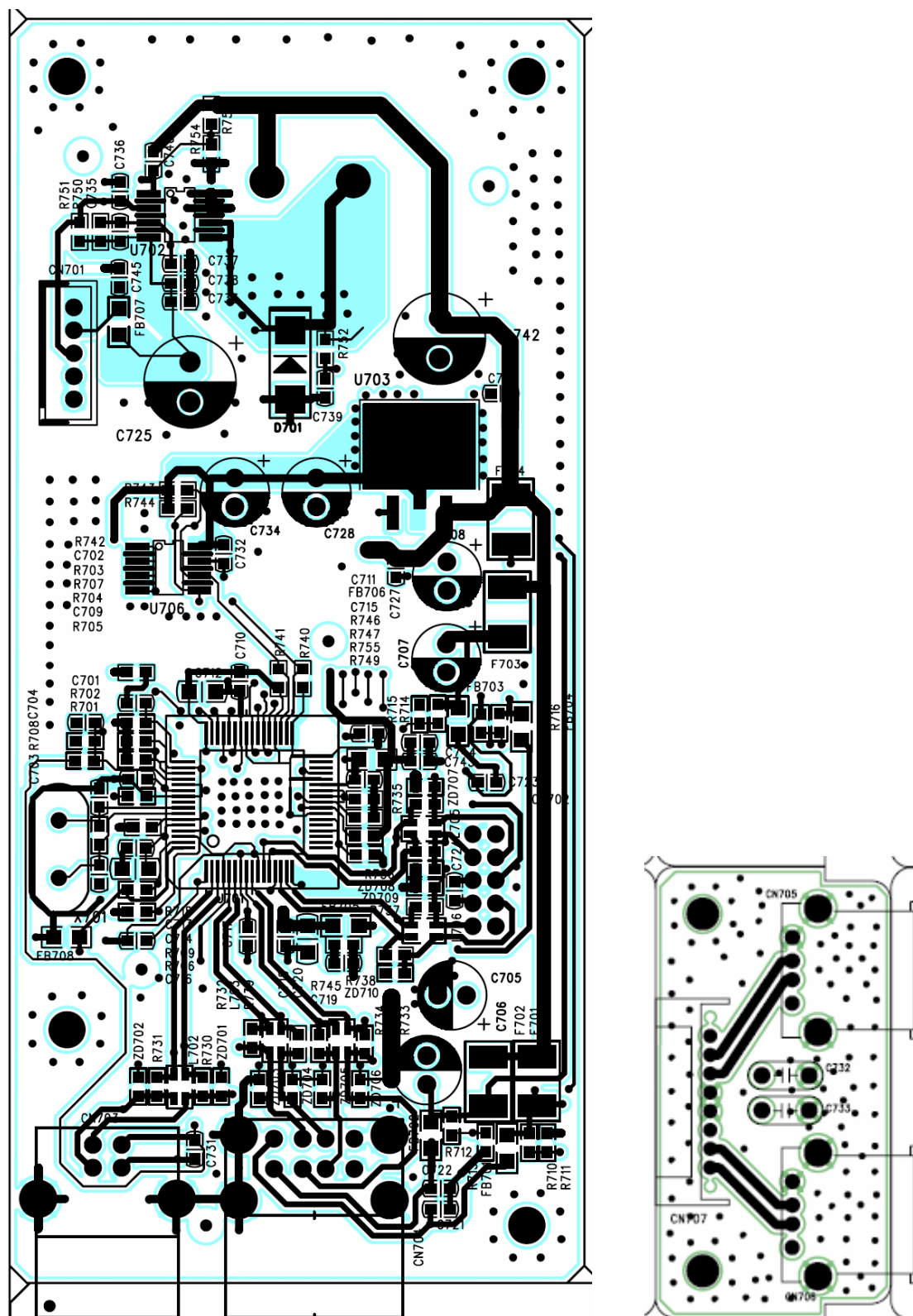
7.2 Inverter/Power Board



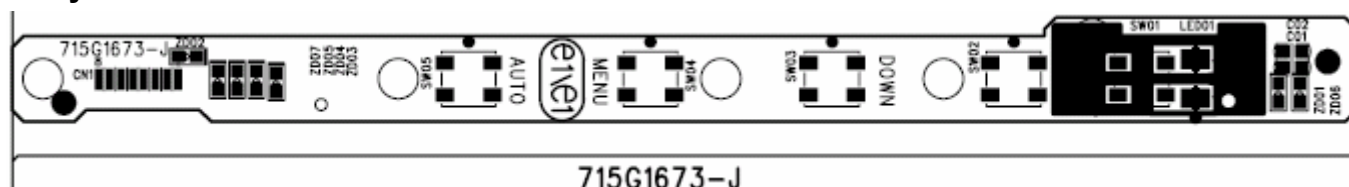


715G1775-1

7.3 USB Board



7.4 Key Board

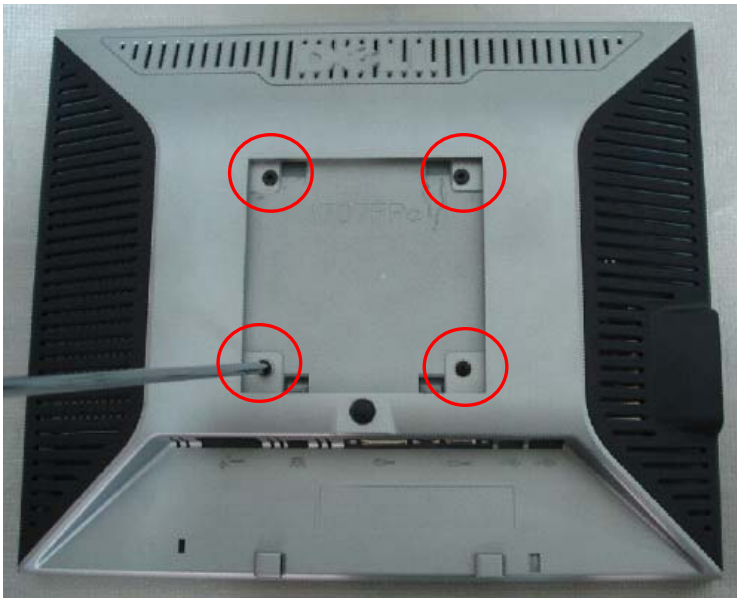


8. Mechanical Instruction

Tools: 2 Power screwdrivers ($\phi=5\text{mm}$, $L=60\text{mm}$); 1 small cross screwdriver; turnbuckle driver;

Setting: Power screwdriver torque A=11 kgF. Cm; torque B=6 kgF. Cm

Note: Firstly, put the monitor on a soft, flat and clean surface, wear gloves.

Fig	Remark
	Remove stand : 1. Rotate the stand to allow access to the stand release button. 2. Press the Stand release button and lift up the Stand and away from the monitor.
	Remove bezel : 1. Remove the 4 screws by torque A



2. Pry the monitor up then find out the hooks' position, use the tool (like the picture or other card) to insert into the gap of bezel and rear cover.



3. Take off the bezel



Remove rear cover :

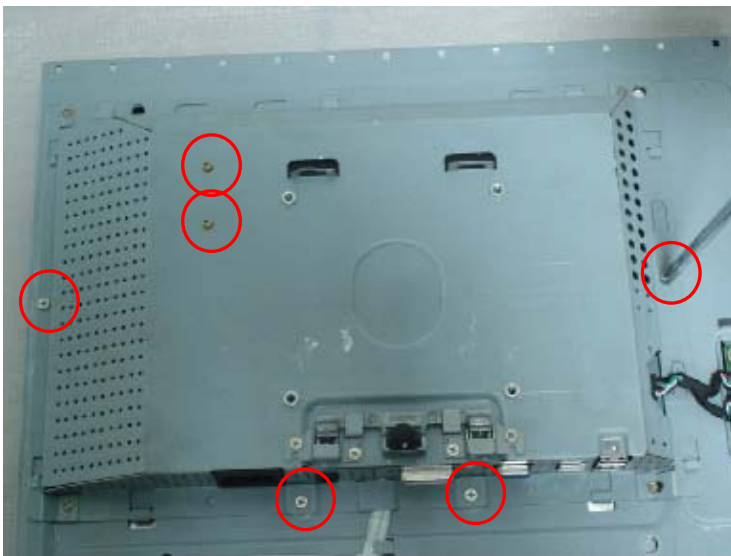
Turn over the monitor as the Fig, hold the rear cover, and then slightly remove it.

**Remove the shield :**

1. Remove the 4 screws by
Torque B



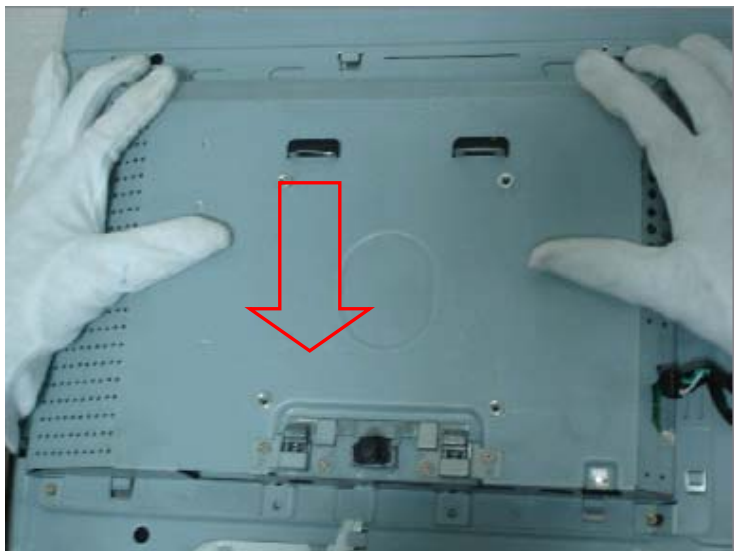
2. Remove the USB2 board
cover by **Torque B** or by
manual



3. Remove the 6 screws by
Torque B or by **manual**



4. Disconnect the wire harness
between USB1 and USB2



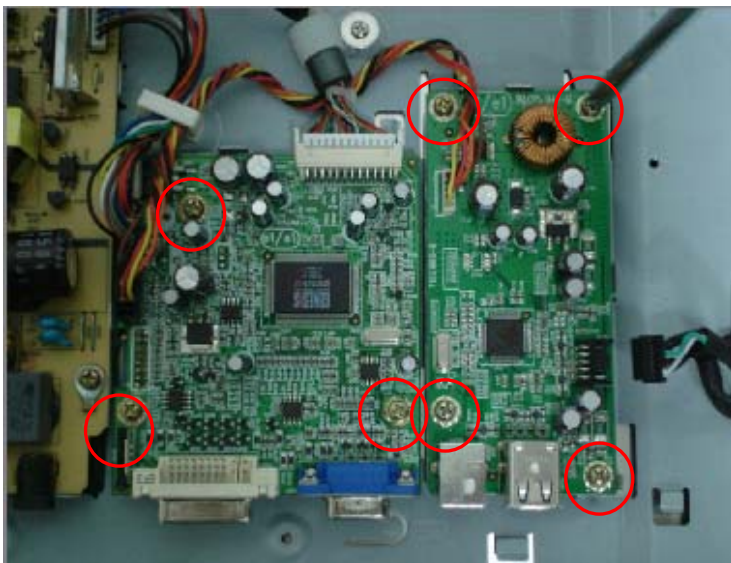
5. Push the main shield as
the arrowhead direction



Disconnect the connector pin:
Disconnect the connector pin
between key and main boards



Install:
Lay the KEPC cable as the figure showed



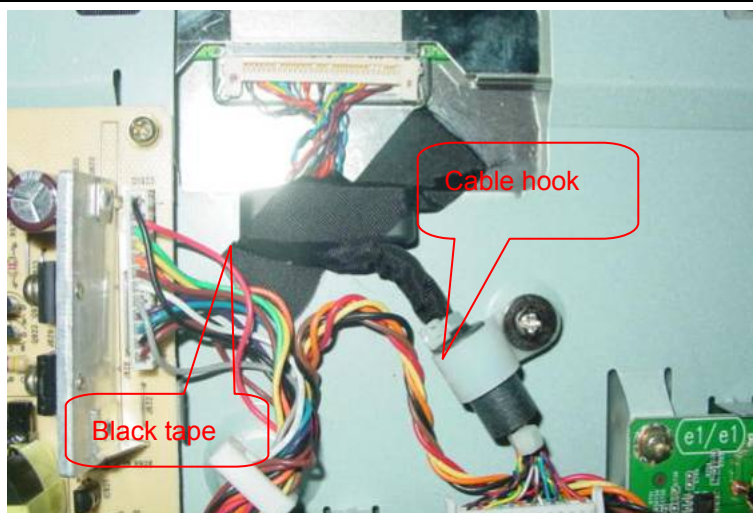
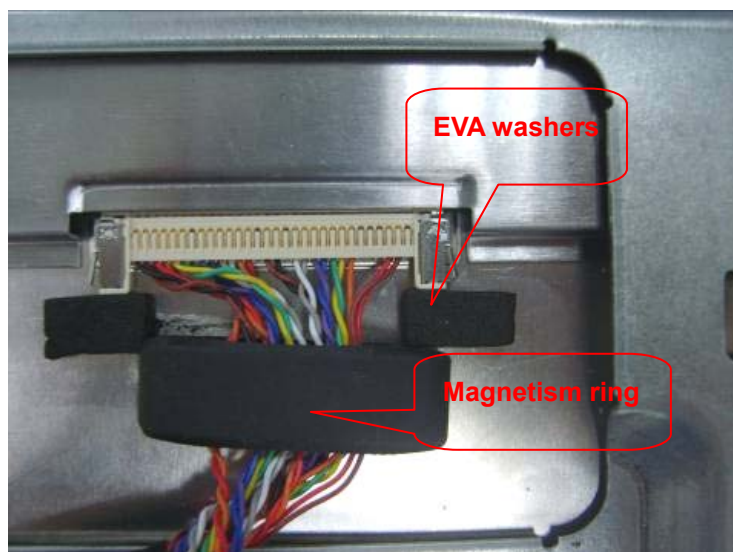
Remove USB and main board :
1. Remove the 7 screws by
Torque B



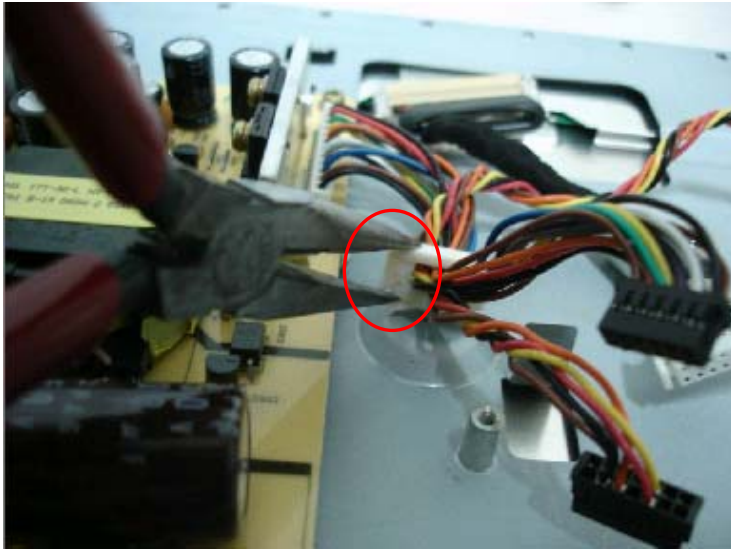
2. Disconnect the connector wire



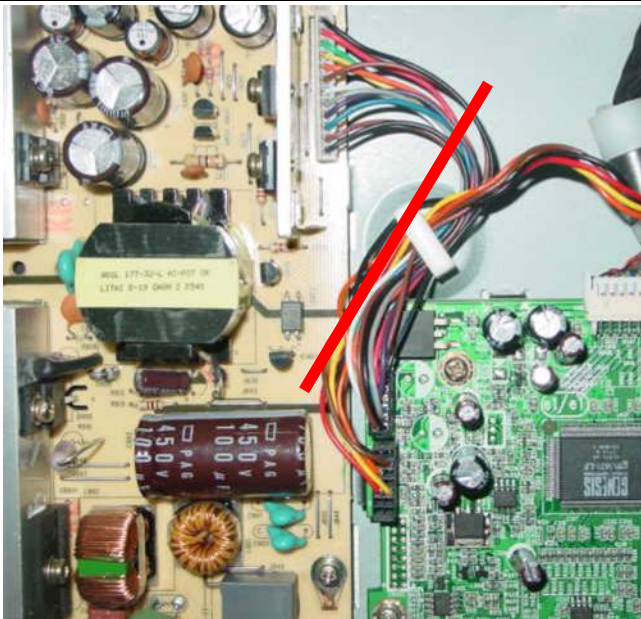
3. Disconnect the wire harness
between main board and panel



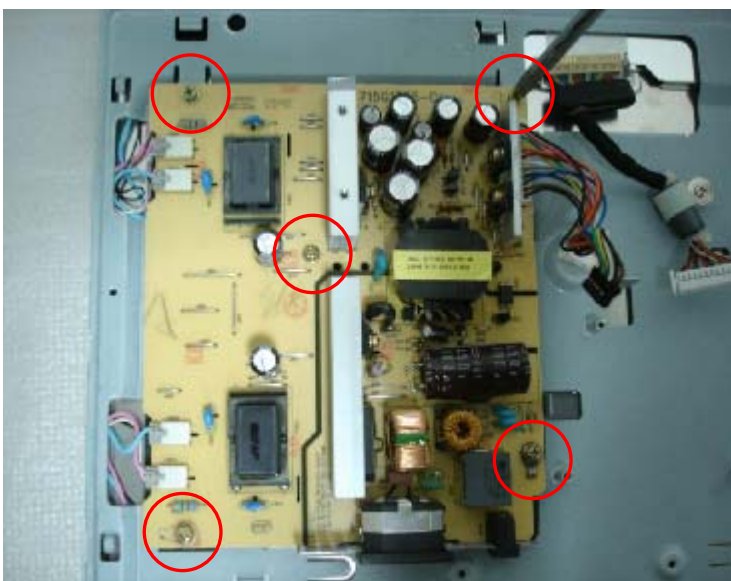
Install:
Fix the LVDS cable by black tape
and cable hook



4. Disconnect the wire holder



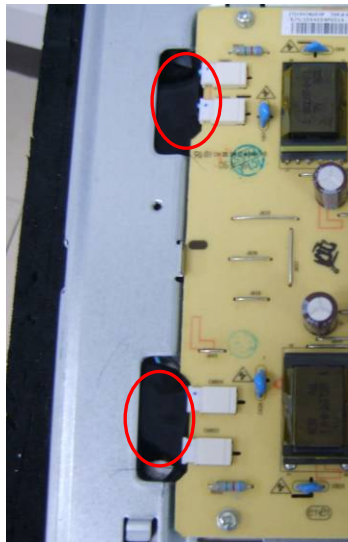
Install:
Lay the cables as the line
direction



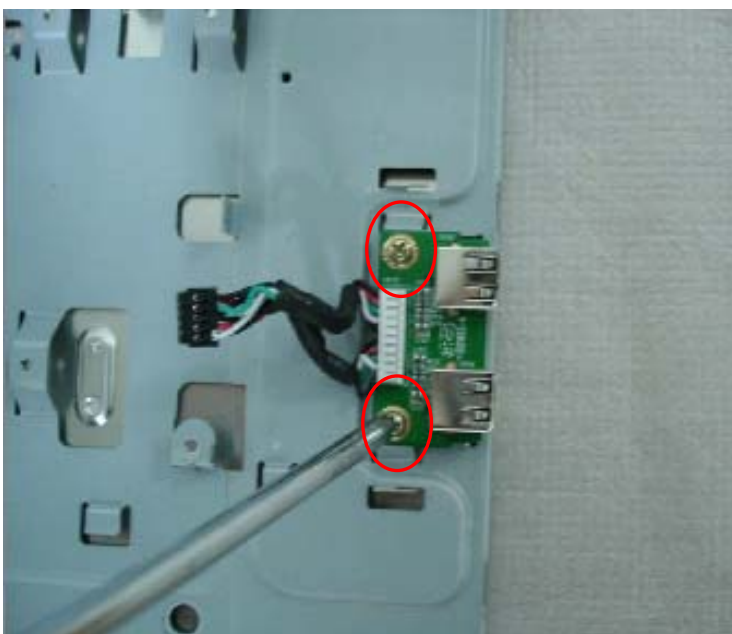
Remove the power board :
Remove the 5 screws by **Torque**
B

**Disconnect wire harness :**

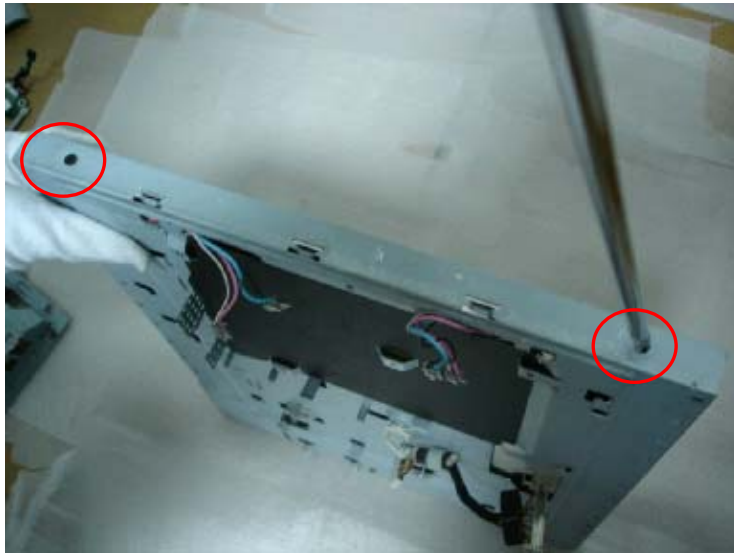
Disconnect the wire harness between power board and lamps



Stick black tapes on the black lights connector for fixing the cables

**Remove USB board :**

Remove the 2 screws by **Torque B**



Remove the main frame :
Remove the 4 screws (left and right) by **manual or torque = 3kgF.Cm**



Samsung panel



LG panel

9. Maintainability

9.1 Equipments and Tools Requirement

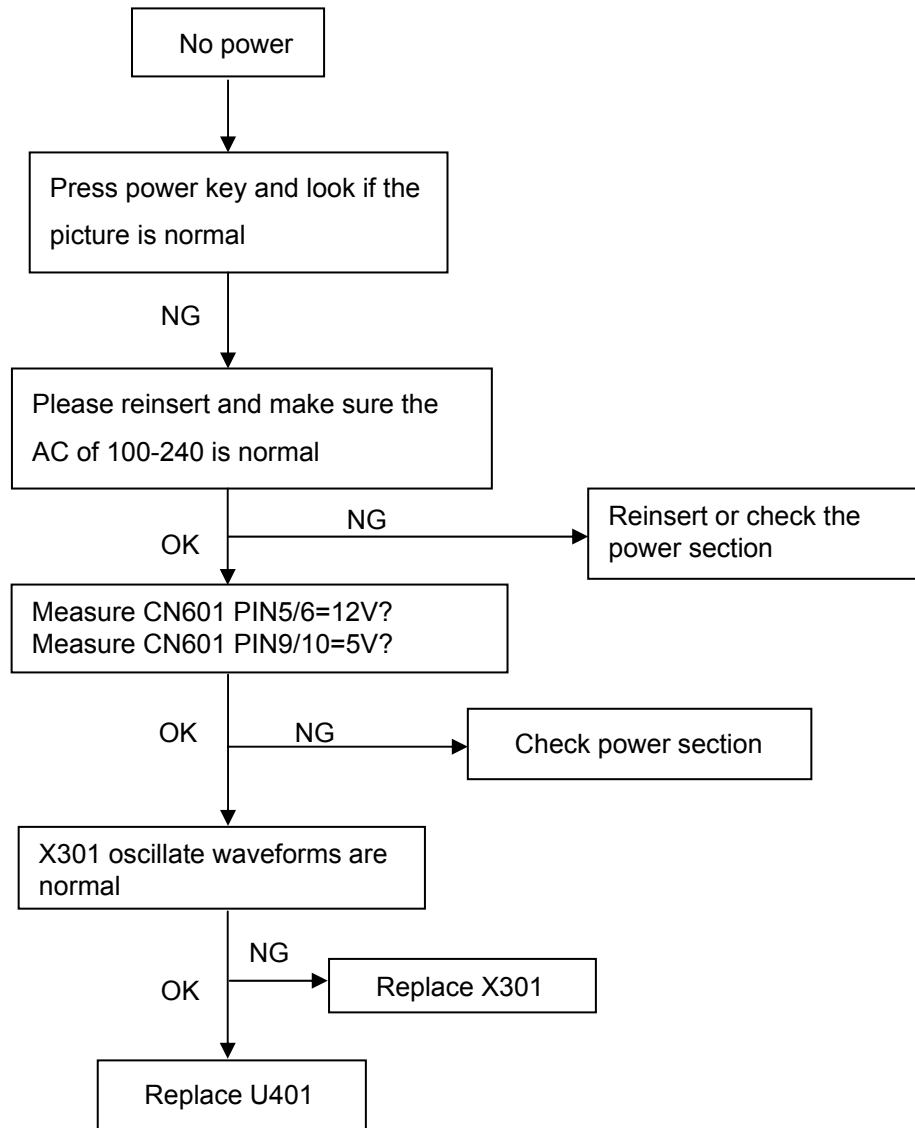
1. Voltage meter
2. Oscilloscope
3. Pattern Generator
4. LCD Color Analyzer
5. Service Manual
6. User Manual

9.2 Trouble shooting

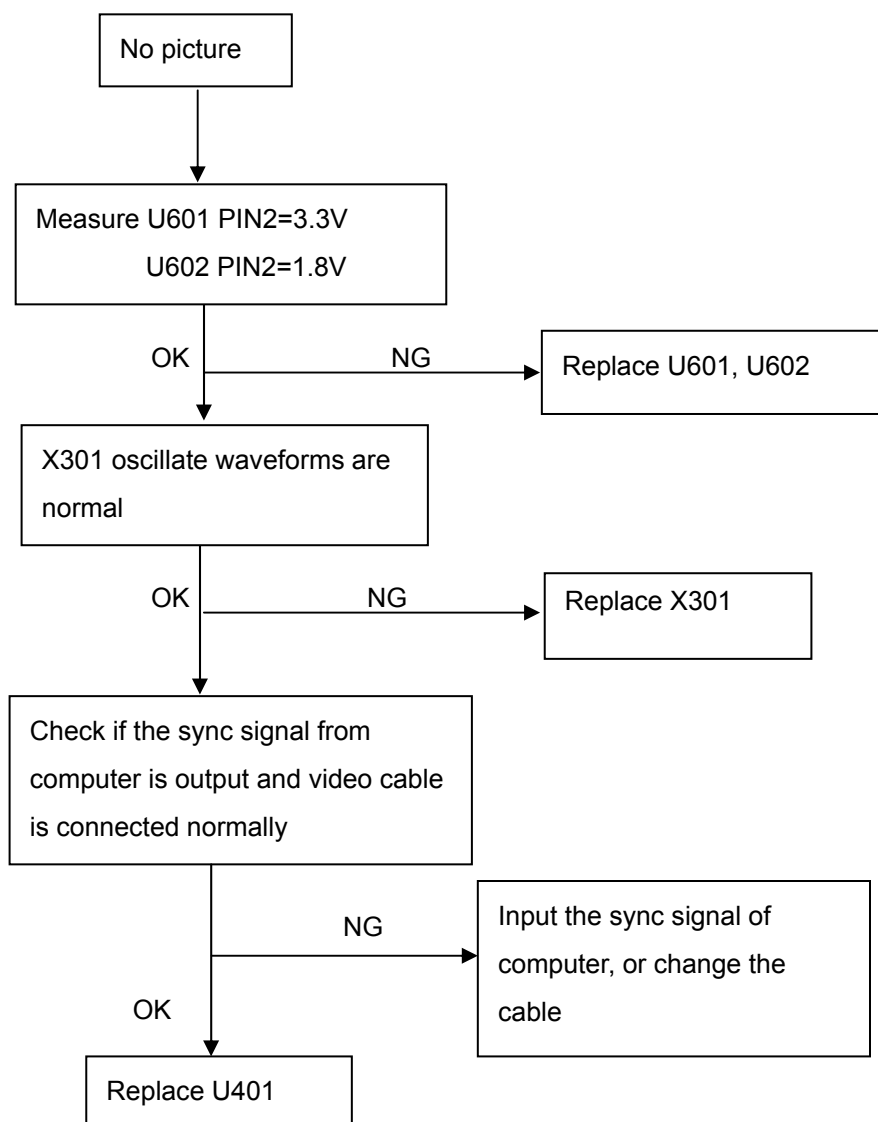
9.2.1 Main Board

Note: 1. If replace “**Main-Board**”, Please re-do “DDC-content” programmed & “White-Balance”.
2. If replace “**Power Board**” only, Please re-do “White-Balance”.

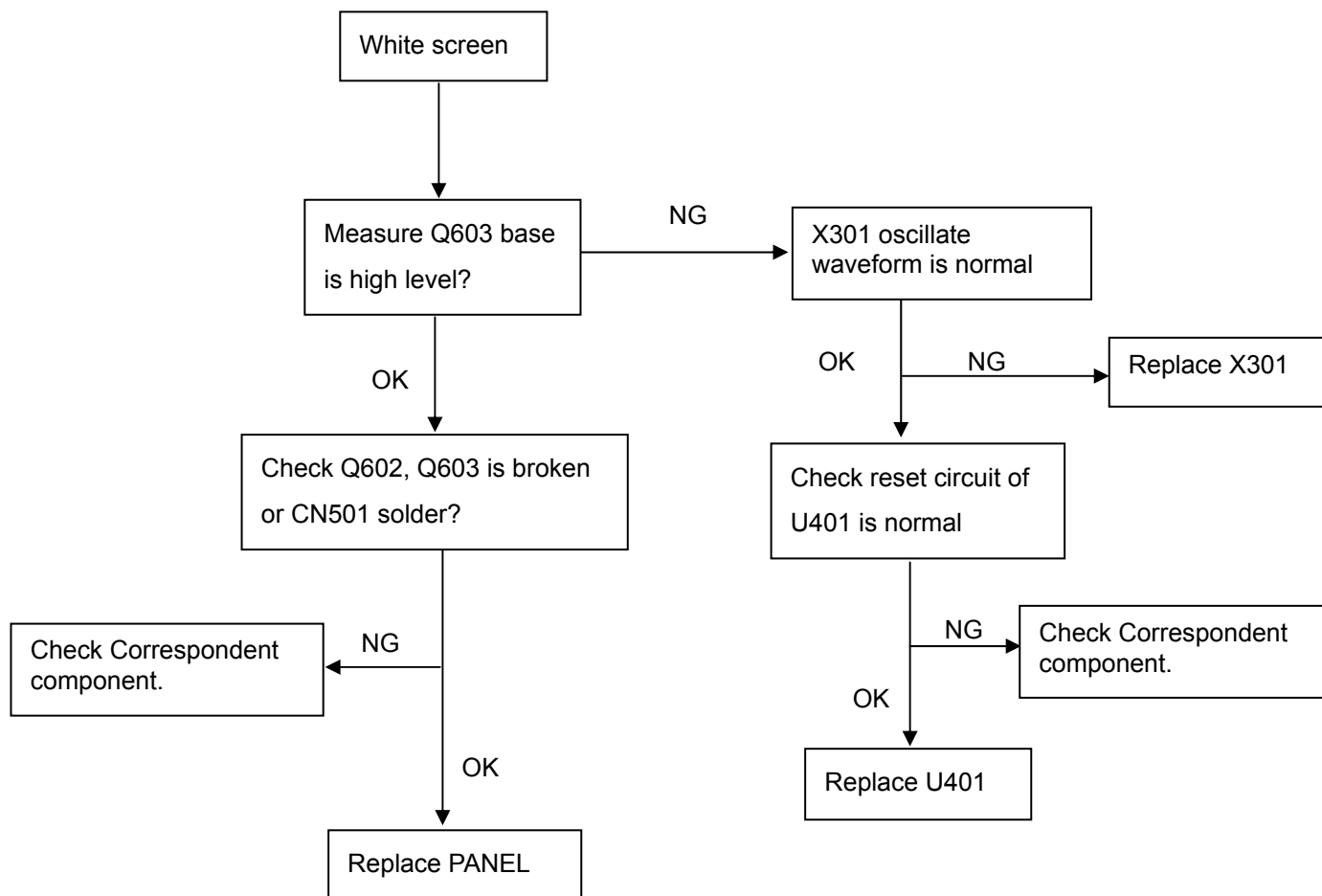
No power



No picture (LED is orange)

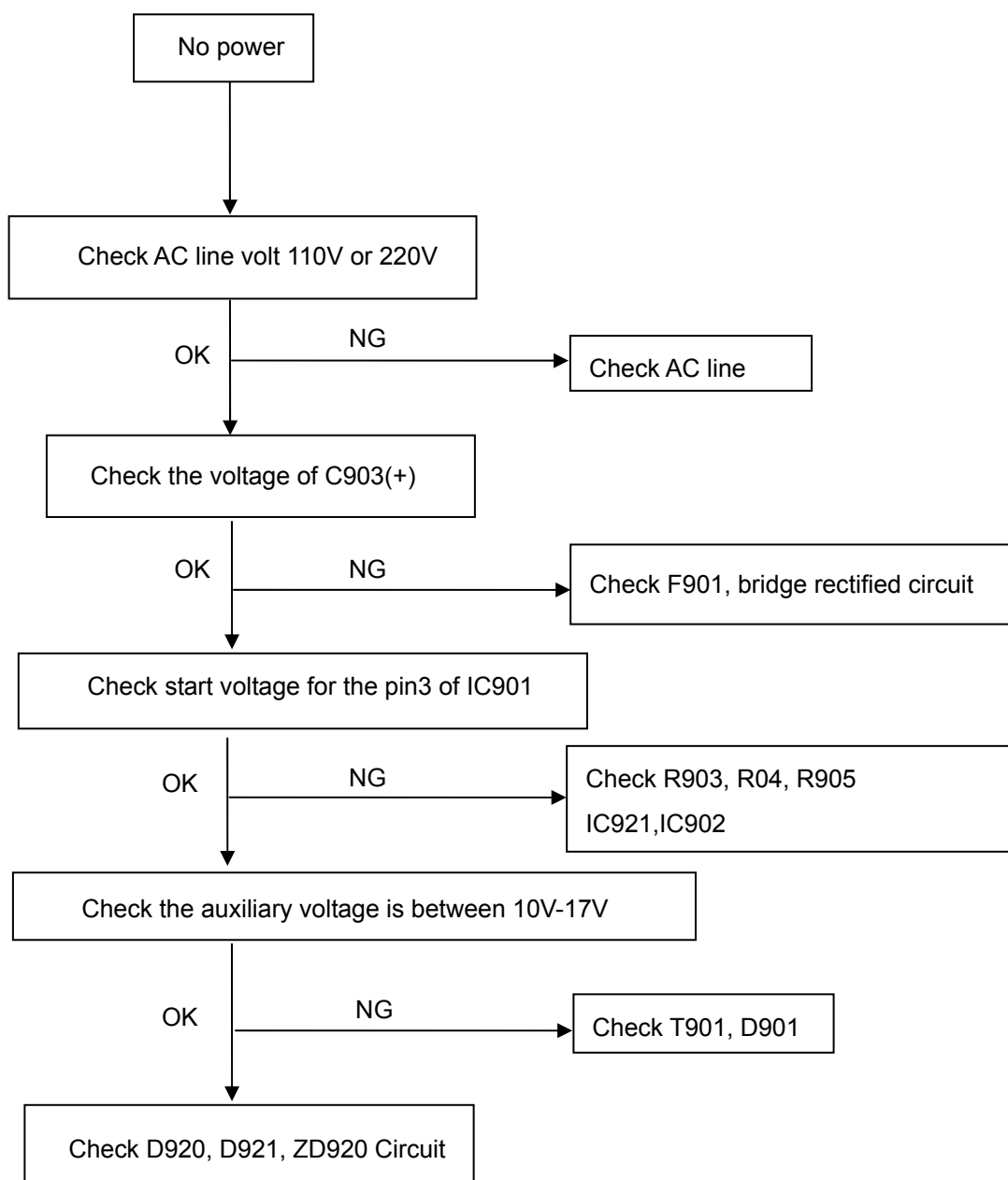


White screen

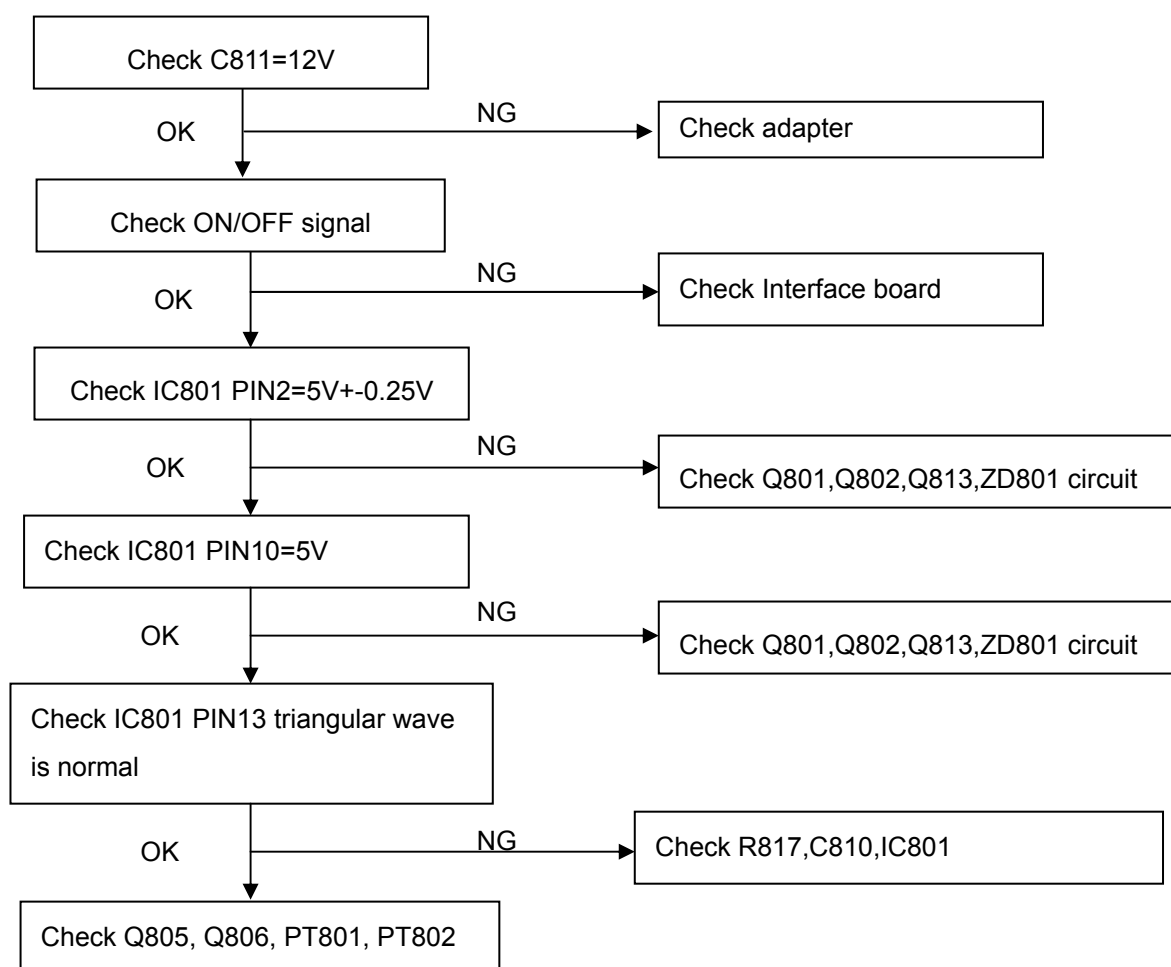


9.2.2 Inverter/Power Board

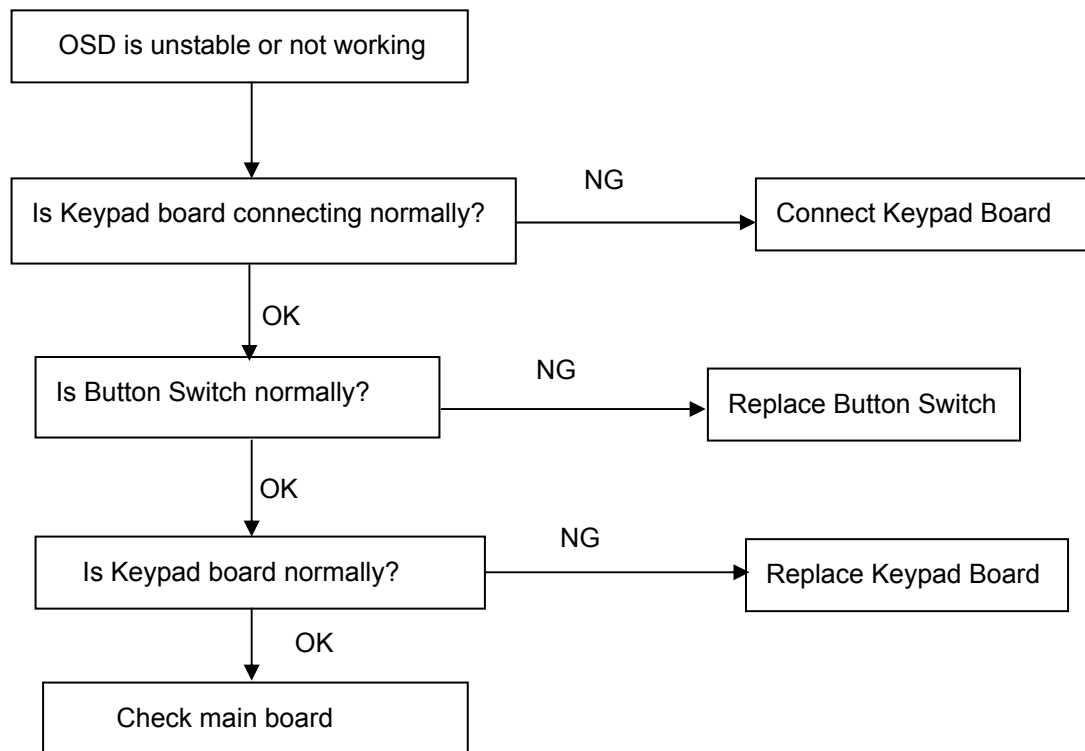
No Power



No Backlight



9.2.3 Key Board



10. White balance, Luminance adjustment

Approximately 2 hours should be allowed for warm up before proceeding White-Balance adjustment.

Before started adjust white balance, please setting the Chroma-7120 **MEM. Channel 3 to 6500⁰K** colors, **MEM. Channel 4 to 9300⁰K** colors, **MEM. Channel 9 to 5700⁰K** (our 9300 parameter is $x=283\pm28$, $y=297\pm28$, $Y = 200 \pm 20 \text{ cd/m}^2$, 6500 parameter is $x=313\pm28$, $y=329\pm28$, $Y = 230 \pm 20 \text{ cd/m}^2$, and 5700 parameter is $x = 328 \pm 28$, $y = 344 \pm 28$, $Y = 230 \pm 20 \text{ cd/m}^2$)

How to setting MEM.channel you can reference to chroma 7120 user guide or simple use “**SC**” key and “**NEXT**” key to modify x, y, Y value and use “**ID**” key to modify the TEXT description Following is the procedure to do white-balance adjust.

Enter into factory mode:

Press MENU  and up button  at the same time, during press power button on will activate the factory mode, then press MENU again, main MENU will be in the middle of the screen.

Gain adjustment:

Move to “Factory Reset” and press MENU key to enter this sub-menu.

Move to “ Factory” and press MENU key.

Move to “ Auto Color” and press MENU key to adjust Gain and Offset automatically;

a. Adjust sRGB (6500⁰K) 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 $x=313\pm28$, $y=329\pm28$, $Y = 230 \pm 20 \text{ cd/m}^2$
4. Adjust the RED on OSD window until chroma 7120 indicator reached the value $R=100$
5. Adjust the GREEN on OSD, until chroma 7120 indicator reached $G=100$
6. Adjust the BLUE on OSD, until chroma 7120 indicator reached $B=100$
7. Repeat above procedure (item 5,6,7) until chroma 7120 RGB value meet the tolerance $=100\pm2$

b. Adjust **Color1** (9300⁰K) color-temperature

8. Switch the chroma-7120 to **RGB-mode** (with press “MODE” button)
9. Switch the MEM.channel to Channel 4 (with up or down arrow on chroma 7120)
10. The LCD-indicator on chroma 7120 will show $x=283\pm28$, $y=297\pm28$, $Y = 200 \pm 20 \text{ cd/m}^2$
11. Adjust the RED on OSD window until chroma 7120 indicator reached the value $R=100$
12. Adjust the GREEN on OSD, until chroma 7120 indicator reached $G=100$
13. Adjust the BLUE on OSD, until chroma 7120 indicator reached $B=100$
14. Repeat above procedure (item 5,6,7) until chroma 7120 RGB value meet the tolerance $=100\pm2$

c. Adjust **Color2** (5700⁰K) color-temperature

15. Switch the chroma-7120 to **RGB-mode** (with press “MODE” button)
16. Switch the MEM.channel to Channel 9 (with up or down arrow on chroma 7120)
17. The LCD-indicator on chroma 7120 will show $x = 328 \pm 28$, $y = 344 \pm 28$, $Y = 230 \pm 20 \text{ cd/m}^2$

18. Adjust the RED on OSD window until chroma 7120 indicator reached the value R=100
19. Adjust the GREEN on OSD, until chroma 7120 indicator reached G=100
20. Adjust the BLUE on OSD, until chroma 7120 indicator reached B=100
21. Repeat above procedure (item 5,6,7) until chroma 7120 RGB value meet the tolerance = 100 ± 2
22. Move cursor to “ Exit/Save” sub-menu and press MENU key to save adjust value and exit.

Turn the POWER-button off or on to quit from factory mode.

Max Brightness measurement:

- a. Switch to the full white pattern, in user mode main menu:
 1. Set <Color Settings> Red, Green, and Blue to the max.
 2. Set <Brightness> Brightness, Contrast to the max.
- b. The Minimum brightness is $200\text{cd/m}^2 \pm 20$

11. EDID Content

Analog EDID

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
0:	00	FF	FF	FF	FF	FF	FF	00	10	AC	12	40	30	37	38	39
16:	25	0F	01	03	68	22	1B	78	EE	EE	A5	A3	54	4C	99	26
32:	14	50	54	A5	4B	00	71	4F	81	80	01	01	01	01	01	01
48:	01	01	01	01	01	01	30	2A	00	98	51	00	2A	40	30	70
64:	13	00	52	0E	11	00	00	1E	00	00	00	FF	00	39	30	31
80:	32	33	34	35	36	39	38	37	30	0A	00	00	00	FC	00	44
96:	45	4C	4C	20	31	37	30	37	46	50	0A	20	00	00	00	FD
112:	00	38	4C	1F	53	0E	00	0A	20	20	20	20	20	20	00	CE

Digital EDID

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
0:	00	FF	FF	FF	FF	FF	FF	00	10	AC	13	40	30	38	39	37
16:	25	0F	01	03	80	22	1B	78	EE	EE	A5	A3	54	4C	99	26
32:	14	50	54	A5	4B	00	71	4F	81	80	01	01	01	01	01	01
48:	01	01	01	01	01	01	30	2A	00	98	51	00	2A	40	30	70
64:	13	00	52	0E	11	00	00	1E	00	00	00	FF	00	37	30	31
80:	32	33	34	35	36	37	39	38	30	0A	00	00	00	FC	00	44
96:	45	4C	4C	20	31	37	30	37	46	50	0A	20	00	00	00	FD
112:	00	38	4C	1F	53	0E	00	0A	20	20	20	20	20	20	00	B7

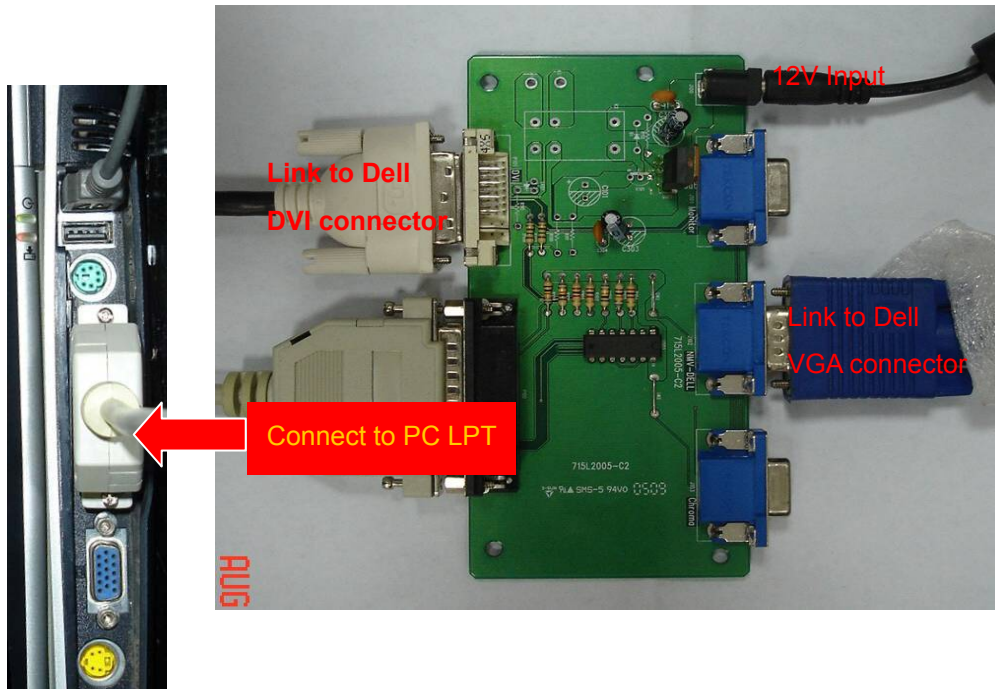
12. ISP Instruction

12.1 Software requirement and connection

Operating system requirement

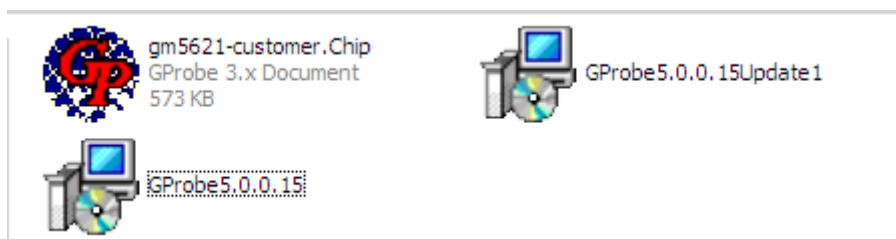
(1) Microsoft windows OS. (2) 100M free hard-drive space. (3) 1 free parallel port for DDC2BI communication.

The hardware Connection

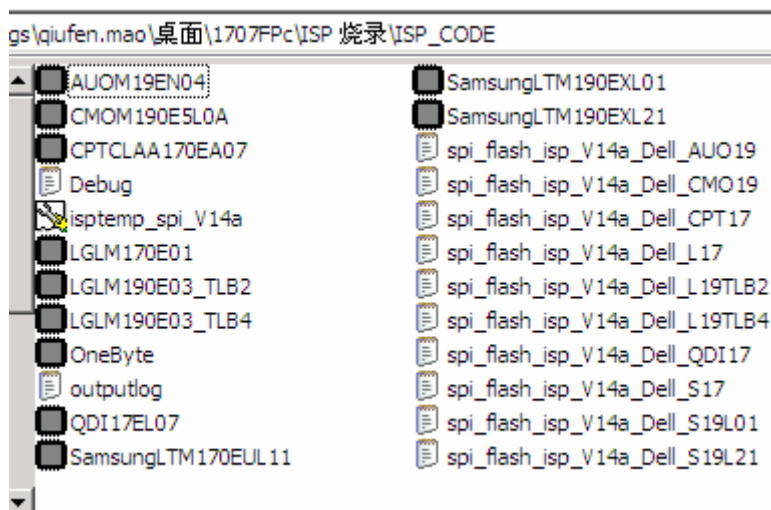


Note: VGA and DVI must not connect at the same time.

The relevant soft List



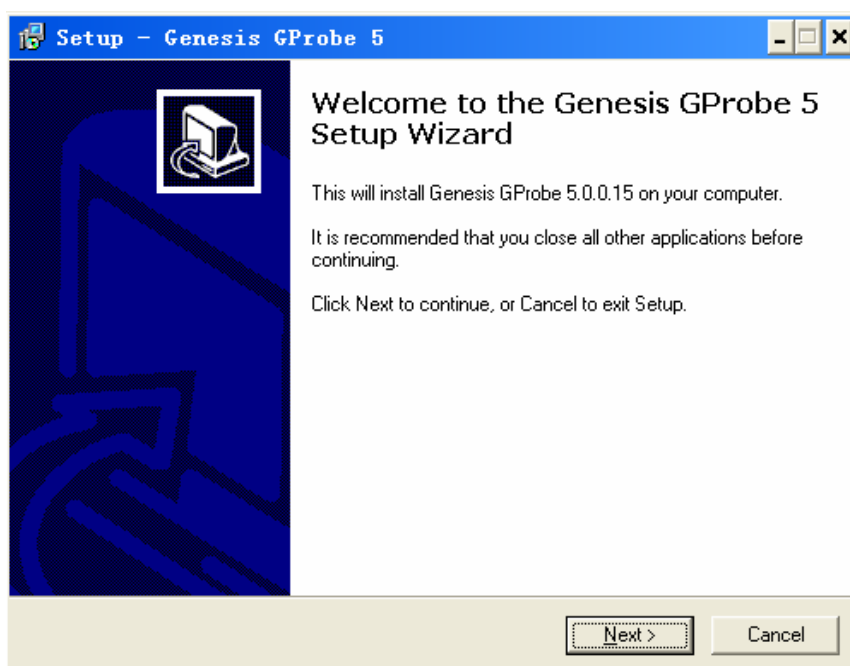
ISP_CODE



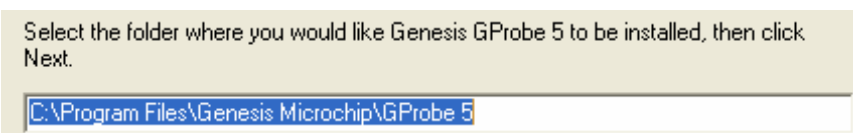
12.2 Install the software (Gprobe 5.0) for ISP Writer



A. Double-click the Install software



Select the folder where you would like Genesis Gprobe 5 to be installed



Completing the Genesis Gprobe 5 setup wizard



Note: After finishing the installation, you must restart the PC.

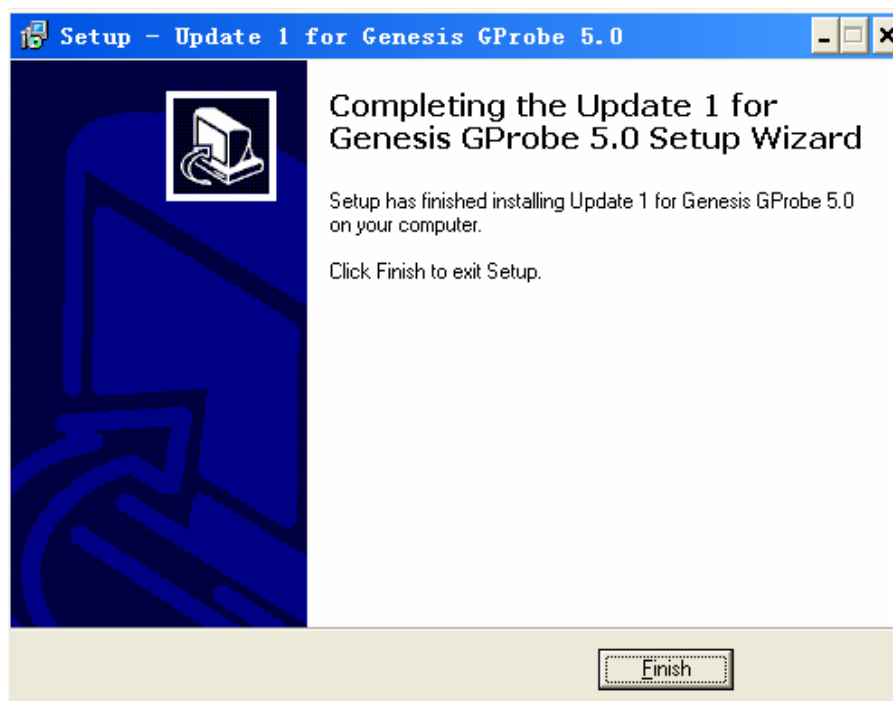


GProbe5.0.0.15Update1

B. Next, install the Update software



Completing the update 1 for Genesis GProbe 5.0 setup wizard



gm5621-customer.Chip
GProbe 3.x Document
573 KB

C. Copy the

to C: program files → GProbe5.0.0.15 → Genesis Microchip → GProbe 5

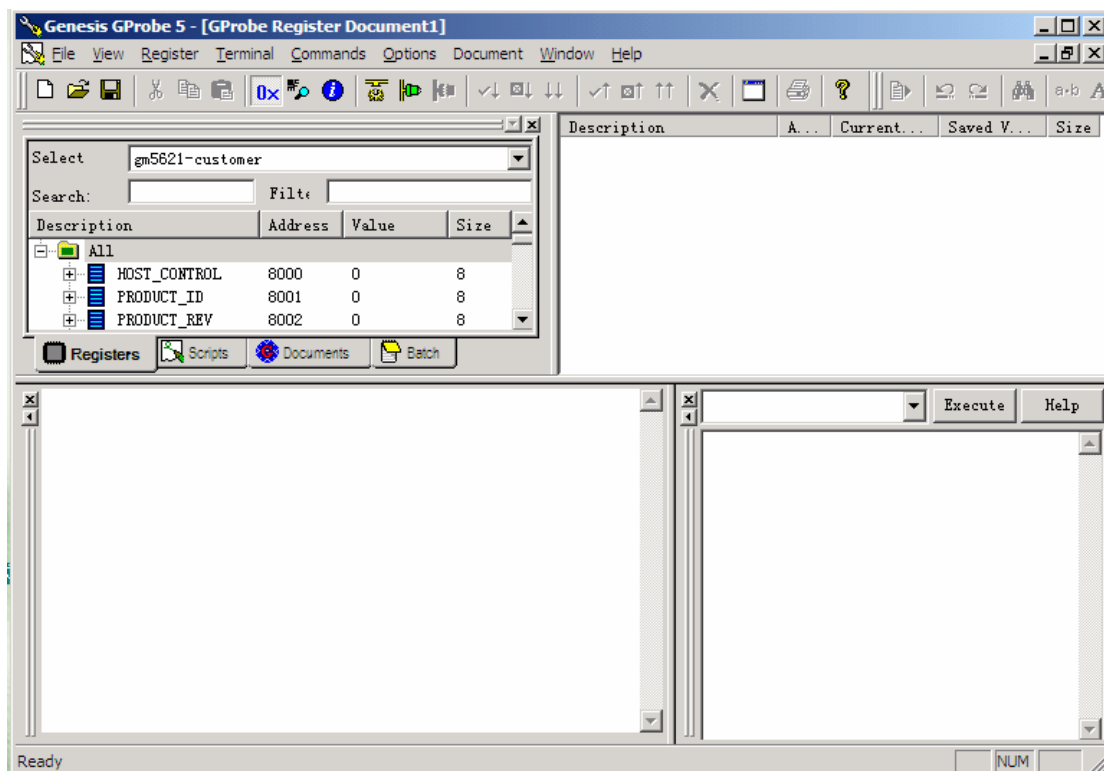
→ ChipDB folder, Installation Finished.

12.3 Running program



After the installation, a short-cut icon  will appear on your desktop, double click it will run the program.

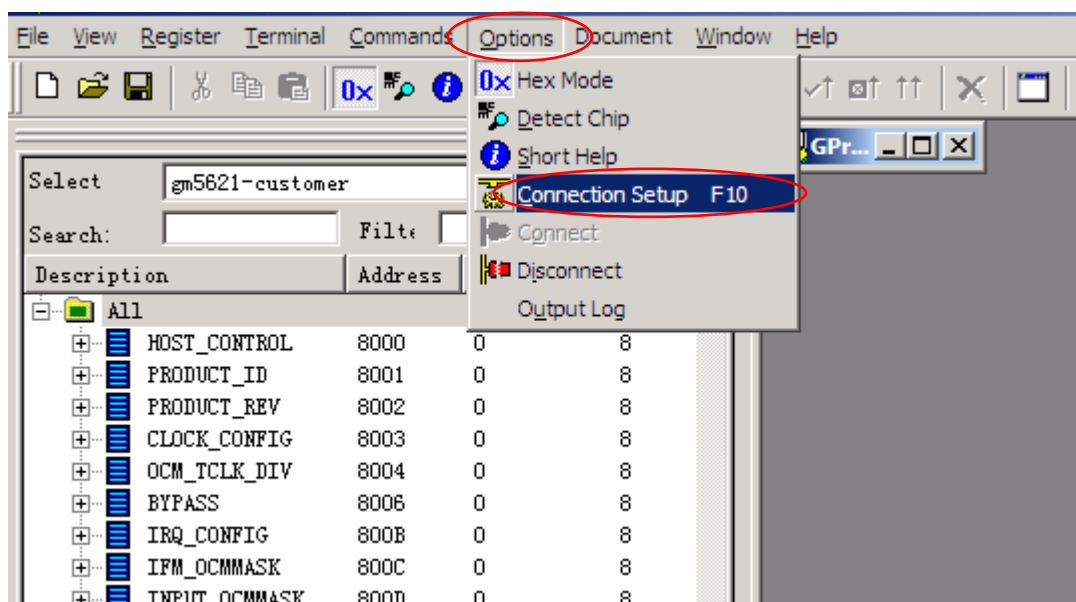
- (1). Select the IC type `gm5621-customer` (NOTE: If there is not this selection, please check the “ChipDB”):



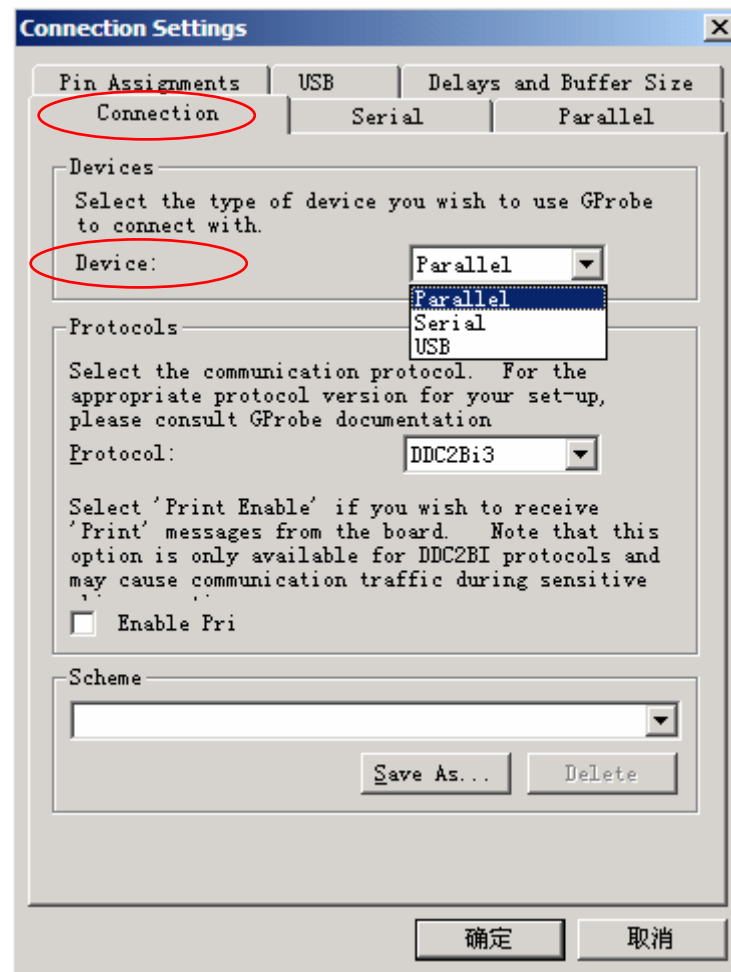
Note: Firstly, you can check the I²C normal or not by inputting the “test” in the position ,

where to load MCU software. Click , if you can see “test pass” in the blank, the I²C is OK!

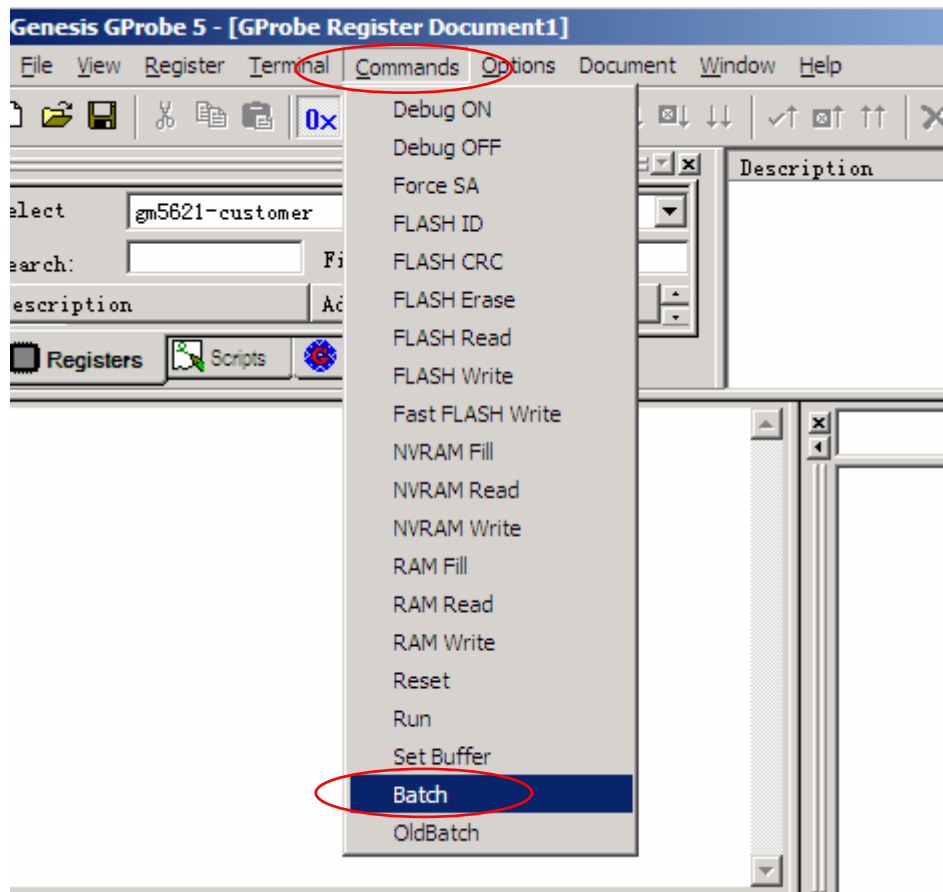
- (2). Select **Options** → **Connection Setup F10**:



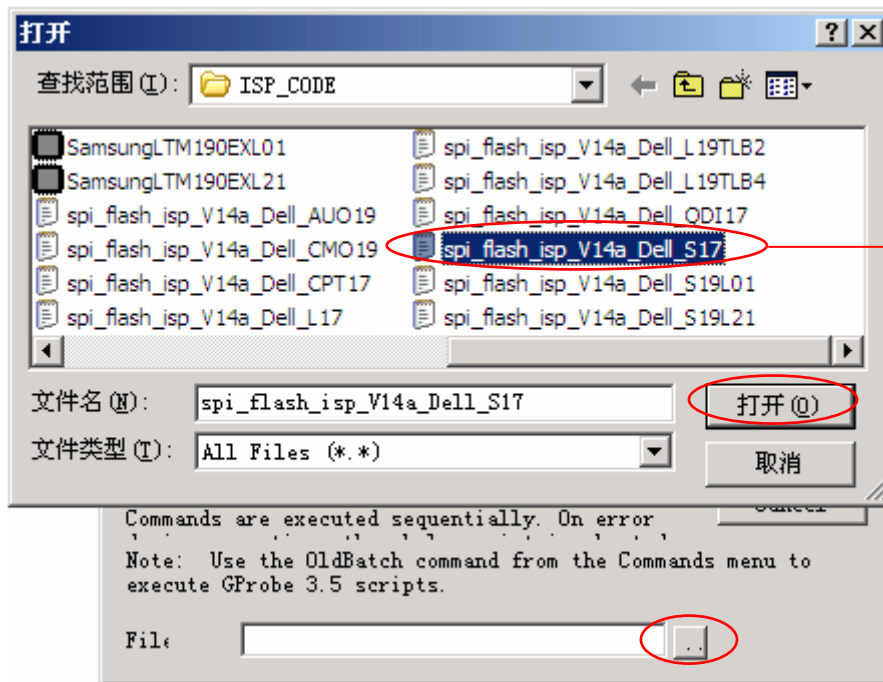
Set the **Connection Settings** → **Connection** → **Device to Parallel**, click OK!



(3). Select **Commands** → **Batch**:

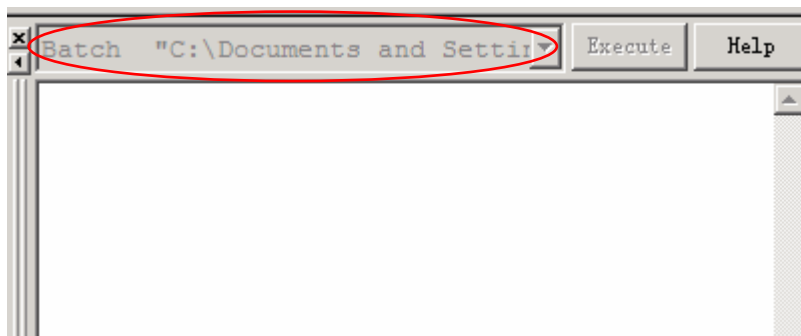


Click  to select MCU software in Dell ISP_CODE, please per as the follow fig.

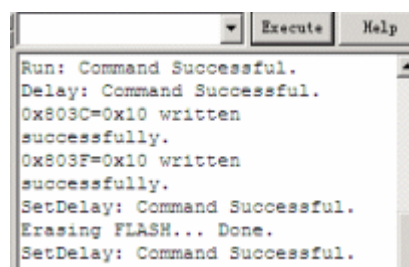


The text must be matching with the panel type of the monitor, such as if the panel you use is Samsung 17". you have choose the spi_flash_isp_V14a_Dell_S17 (.txt)

Click open.



- (4). Unplug the Dell AC power, until the LED indicator is off, press Enter or Execute button, when the .txt of MCU is in gray, for example `Batch "C:\Documents and Settings\..."`, re-plug Dell AC power, Writer is in progress.



- (5). When appear the "Execution time : 35.55ss , Batch Command Successful", Writer is complete!

13. Check List

- 1) After replacing LCD Main board and panel, Check if white-balance is within the specs, then re-writing DDC is necessary.

The white-balance value for each common color temperature:

9300 parameter is $x=283\pm28$, $y=297\pm28$, $Y = 180 \pm 10 \text{ cd/m}^2$,

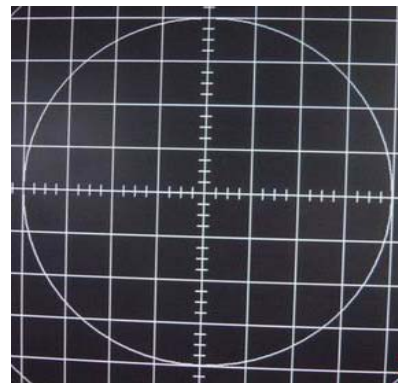
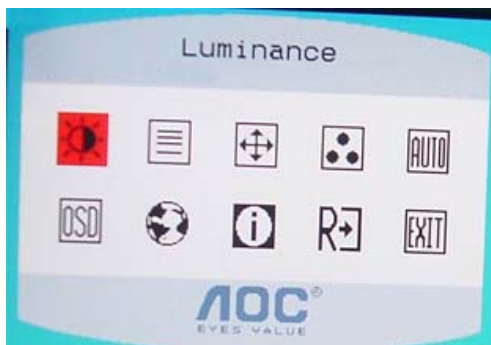
6500 parameter is $x=313\pm28$, $y=329\pm28$, $Y = 180 \pm 10 \text{ cd/m}^2$,

5700 parameter is $x = 328 \pm 28$, $y = 344 \pm 28$, $Y = 180 \pm 10 \text{ cd/m}^2$

The color temperature value above must be up to the situation of $x < y$. The value of Y should be confirmed according to different customers. 15" LCD is commonly $180\pm20\text{cd/cm}^2$ (Center) and 17" LCD is required to be larger than 200cd/cm^2 (Center). The exact brightness values are confirmed by the checking-regulations of different customers and different models.

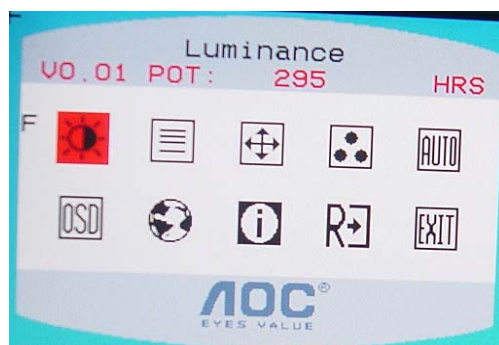
2) Steps of white-balance adjustment for LCD:(Take 17" AOC LCD LM724 for example)

1. Required instruments: Chroma7120 、Chroma2325 (BGA265A) 。
2. First connect the instruments together and turn on the LCD power, then warm up for 30 minutes under full white screen mode. First press the "Reset" key in the menu to recover factory set as following.



Set Chroma2325 at round-windows mode and make the detecting-head of Chroma7120 aim at the cross in the middle, the distance between the detecting-head and the cross is 20cm.

3. Set Chroma2325 (BGA265A) to be T144 (1280*1024/60HZ) and P105 of full white screen. Test if the white-balance value is within the specs. Please follow the steps below to adjust if it is beyond the specs.
4. Cut the power. Then press MENU key and re-plug power cable at the same time to enter into the factory mode. See the following pictures.



Select "F" ,then Select
AUTO LEVEL item.



5. Test white-balance again after Auto Level. Adjustment with hand is necessary if it is beyond the specs.
6. Select 7x00 item to adjust cool color-temperature and select 6x00 to adjust warm color- temperature. It can reach to the best effect through adjusting R/G/B value if it inclines to green or blue.

7. Select Exit to the upper menu after completing the adjustment. Then press POWER OFF to exit and save it.

3) Steps for writing DDC :

1. Employ PC, and connect the DDC-writing instrument and the instrument that is ready for writing into DDC to the power of 12V. Connect the signal cable of the latter to D-USB or DVI of DDC-writing instrument (The data-writing of monitor needs transfer-interface) and link the DDC-writing instrument with PC through printer interface. (See the schematic picture below)



(Connection for VGA)



(Connection for DVI)

2. Seek the document with the expanded name of **.BAT** in DDC file of this model. It appears the indication of "Input Serial No. : " after dual-click the document to be ready for DDC-writing.
3. Input the serial number of the product (For instance: AOC LM725 is 13 bits), and then press ENTER to start writing
4. Check the indication of DDC-writing program at the end. When you see the picture as the schematic picture above, the "Data compare OK!" Means being written well and that's the end. Please check if the Manufacturer Name, Vendor Assigned Code, Monitor Name, Serial Number, Week of Manufacture, Year of Manufacture are right. It will appear "Data compare error! " To indicate failure if the DDC-writing doesn't perform well. Please check the power resource and the connection of the signal cable, then return to step 3 by pressing ENTER and re-do it.
5. You can exit the program by pressing Ctrl plus C, and then cut the signal cable and the power.
6. The following picture is taking AOC LM725 EDID for example.

```

Manufacturer Name : AOC
Product Code      : A725
Model Name        : LM725

Week of Manufacture : 22
Year of Manufacture : 2005
Video i/p definition : Analog
Checksum          : 6B

EEROM data table :
00 FF FF FF FF FF FF 00 05 E3 25 A7 01 00 00 00
16 0F 01 03 68 22 1B 78 2A 36 AD A2 59 4C 97 24
17 50 56 BF EF 00 01 00 01 01 01 01 01 01 01 01
01 01 01 01 01 01 BC 34 00 98 51 00 2A 40 10 90
13 00 54 0E 11 00 00 1E 00 00 00 FF 00 31 32 33
35 35 4A 41 30 30 30 30 30 31 00 00 00 FD 00 37
4B 1E 53 0E 00 0A 20 20 20 20 20 20 00 00 FC
00 4C 4D 37 32 35 0A 20 20 20 20 20 20 00 6B

data compare OK !

```

Notes:

1. Make sure the system time of PC is in accordance with the real time before writing.
2. The schematic picture is just as an example for description; the exact content of the DDC is dependent on the serial number of the BARCORDER of this model.
3. Data DDC-writing needs a transfer interface.

Instruction : DDC-writing needs 4 files:

1. Barcode.txt (Supply Barcode length and flow number)
2. *.EXE (DDC-writing program)
3. WR.bat (Group order file for cycling utilization of *.EXE, and dual-click this file when perform DDC-writing)
4. W.dat (The content with 128 bits of DDC)

14. BOM List

Different key parts List

Part NO.	Description	Quantity	Unit	Remark
750GLG70E1T 3	LPL 17" TLB3 PANEL	1	PCS	T780KGCHKRDMUP
750GLG70E1T41Z D	LPL 17" TLB4 ZBD PANEL	1	PCS	T780KGCHKRDEUP
750GLS70U2112Z	SEC 17" ZBD PANEL	1	PCS	T780KSCDKRDMUP
750GLS70U2122Z	SEC 17" EU-L21 CLA ZBD	1	PCS	T780KSCDKRDFUP
CBPC780KGCDRP	CONVERSION BOARD	1	PCS	T780KGCHKRDEUP /T780KGCHKRDMUP
CBPC780KSCDRP	CONVERSION BOARD	1	PCS	T780KSCDKRDFUP /T780KSCDKRDMUP
PWPC1742LGD3P	POWER BOARD	1	PCS	T780KGCHKRDEUP /T780KGCHKRDMUP
PWPC1742SED3P	POWER BOARD	1	PCS	T780KSCDKRDFUP /T780KSCDKRDMUP

T780KSCDKRDFUP

Location	Part No.	Description
	011G6070 1 GP	TIE MOUNTS
	011G6092 1	FIX BUTTON
V000	015G8146 1	KEYSINGTON BRACKET
M015	015G8265 1	MAIN FRAME-SAM
	023G3178700 5A	LOGO
	026G 800700 6A	S/N LABEL
	033G4885 VH L	BUTTON RELEASE
	033G4940AVI L	BUTTON FUNETION
	034G1738ASN B	BEZEL
	034G1739 SN B	REAR COVER
	034G1740 VH B	REAR VENT L
	034G1741 VH B	REAR VENT R
V000	040G 152509	RECYCLE LABEL
V000	040G 152512	RECYCLE LABEL
	040G 17N700 4A	RATING LABEL
	040G 581700 3A6813	CARTON LABEL
	041G780070039B	PIG
	041G780070044A	DVI SHEET
	044G3784 1	EPS(T)
	044G3784 2	EPS(B)
	044G3784 3	EPS(M)
	045G 88609 26	EPE BAG FOR BASE

	045G 88609 27	EPE BAG FOR MONITOR
	052G 1186	SMALL TAPE
	052G6020 2DEA	FILM PROTET
	052G6022 1500	SMALL TAPE
	052G6025 11936	MYLAR
	085G 720 1	SHIELD USB
	089G 175 9	USB CABLE
E089B	089G 728GAA 2D	SIGNAL CABLE
E089B	089G 728LAA 2D	SIGNAL CABLE
E089D	089G174EGAA 1	DVI CABLE
E089D	089G174ELAA 1	DVI CABLE
	089G402A18NISD	POWER CORD
E095	095G8018 30100	PANEL HARNESS
	0M1G 130 4120	SCREW M3X5
	0M1G 130 5120	SCREW
	0M1G 130 5225 CR3	SCREW
	0M1G 330 4128 CR3	SCREW
	0M1G1730 6128 CR3	SCREW
	0M1G1740 6128 CR3	SCREW
	0M1G1830 5120	SCREW
	0M1G2940 10225 CR3	SCREW
	0Q1G6019 1	SCREW
	705G780KM34001	MAIN FRAME ASS'Y
	750GLS70U2122Z	SEC 17" EU-L21 CLA ZBD PANEL
	CBPC780KSCDRP	CONVERSION BOARD
	KEPC780KE2P	KEY BOARD
	PWPC1742SED3P	POWER BOARD
	Q41G780070041C	QSG FOR W
	Q44G3784700 2B	CARTON
	Q52G6025 13 4	MYLAR
	Q70G1700700 4D	CD MANUAL
M015	S15G82651	FP ASS'Y
M085	S85G7191A	FP ASS'Y
M085	S85G7191C	FP ASS'Y
E095	S95G801830100	LVDS DSSY
	USB780A2P	USB BOARD
	USB780A3P	USB BOARD
	012G6201 1	L TYPE RUBBER
	012G6202 1	V TYPE RUBBER
	020G 039 1	BASE DIE CAST

	033G4947 VH L	RISER ARM COVER
	033G4948 SN L	HINGE LUCK BUUTON
	033G5011 VH B	HINGE-COVER-F
	033G5012 SN B	TILP COVER
	034G1742 SN B	VESA COVER
	034G1745 VH B	HINGE-COVER-B
	034G1746 SN B	STAND-F
	034G1747 SN B	STNAD-B
	034G1748 VH B	BASE
	034G1749 SN B	BASE COVER
	037G 551 1	HINGE ASS'Y(17")
	0M1G 130 6 47 CR3	SCREW
	0M1G 140 5225 CR3	SCREW
	0Q1G 130 5120	SCREW 3*5mm
	0Q1G 130 8 47 CR3	SCREW
	0Q1G 330 6120	SCREW
	Q15G8272 1 B	VESA BKT
	S37G5511	HINGE ASS'Y
CN403	033G8019 8C	FPC/FFC CONN
CN601	033G8027 12	WAFER 2*6P 2.0MM R/A
CN401	033G8027 14	WAFER 14P 2.0MM DIP DUAL ROW
CN501	033G8043 24 H	CONNECTER
	040G 457624 1B	LABEL-CPU
	040G 45762412B	CBPC LABEL
C601	067G215L221 4N	KY25VB220-M-L8*11.5MM
C602	067G215L221 4N	KY25VB220-M-L8*11.5MM
C611	067G215L221 4N	KY25VB220-M-L8*11.5MM
C601	067G215L221 4R	LOW E.S.R 220UF +/-20% 25V
C602	067G215L221 4R	LOW E.S.R 220UF +/-20% 25V
C611	067G215L221 4R	LOW E.S.R 220UF +/-20% 25V
C601	067G215V221 4R	LOW E.S.R 220UF +/-20% 2
C602	067G215V221 4R	LOW E.S.R 220UF +/-20% 2
C611	067G215V221 4R	LOW E.S.R 220UF +/-20% 2
C615	067G215Y2207NV	KY50VB22M-CC3 5*11
C610	067G215Y2207NV	KY50VB22M-CC3 5*11
C609	067G215Y2207NV	KY50VB22M-CC3 5*11
C501	067G215Y2207NV	KY50VB22M-CC3 5*11
C325	067G215Y2207NV	KY50VB22M-CC3 5*11
C319	067G215Y2207NV	KY50VB22M-CC3 5*11
C316	067G215Y2207NV	KY50VB22M-CC3 5*11

C309	067G215Y2207NV	KY50VB22M-CC3 5*11
C301	067G215Y2207NV	KY50VB22M-CC3 5*11
C615	067G215Y2207RV	RUBYCON 50V 22UF
C610	067G215Y2207RV	RUBYCON 50V 22UF
C609	067G215Y2207RV	RUBYCON 50V 22UF
C501	067G215Y2207RV	RUBYCON 50V 22UF
C325	067G215Y2207RV	RUBYCON 50V 22UF
C319	067G215Y2207RV	RUBYCON 50V 22UF
C316	067G215Y2207RV	RUBYCON 50V 22UF
C309	067G215Y2207RV	RUBYCON 50V 22UF
C301	067G215Y2207RV	RUBYCON 50V 22UF
CN202	088G 35315F H	D-SUB 15PIN
CN202	088G 35315F HJ	SOC SUBD H 15P F
CN201	088G 35424F H	DV1 CONNECTOR 24PIN
CN201	088G 35424FHCJ	DVI 24PIN
X301	093G 22 53	CRYSTAL 14.318MHzHC-49US
X301	093G 22 53 H	14.31818MHZ/30PF/49US
	AIC780KSCDRP	MAIN BOARD
CN1	089G176F 8 9	FFC CABLE HONGFU
CN1	089G176S 8 9	FPC/FFC SMT R/A
	AIK780KE2SMTP	KEY BOARD FOR SMT
	Q52G6022 28	TAPE
CN804	033G8021 2D U	3.5mm WAFER
CN803	033G8021 2D U	3.5mm WAFER
CN802	033G8021 2D U	3.5mm WAFER
CN801	033G8021 2D U	3.5mm WAFER
CN804	033G8021 2D AC	CONN.2P R/A 87210-0236 D
CN803	033G8021 2D AC	CONN.2P R/A 87210-0236 D
CN802	033G8021 2D AC	CONN.2P R/A 87210-0236 D
CN801	033G8021 2D AC	CONN.2P R/A 87210-0236 D
	040G 45762412B	CBPC LABEL
IC902	056G 139 3A	PC123Y22FZOF
IC902	056G 139 3B	PC123 Y82FZ0F
NR901	061G 58080 WT	8 OHM NCT
C932	065G306M4722BM	4700PF +-20% 400VAC
C932	065G306M4722BM GP	4700PF +-20% 400VAC
C932	065G306M4722BP	4700PF +-20% 400VAC
L901	073G 174 76 H	FILTER
L901	073G 174 76 L	CHOKE COIL LI TAI LF-002923
L901	073G 174 76 S	FILTER

L901	073G 174 76 LS	FILTER
L901	073G 174 76 YS	CHOKE COIL
L902	073G 174 77 H	FILTER
L902	073G 174 77 L	LINE FILTER
L902	073G 174 77 S	FILTER
L902	073G 174 77 LS	FILTER
L902	073G 174 77 YS	LINE FILTER
L921	073G 253 91 L	CHOKE BY LI TA
L922	073G 253 91 L	CHOKE BY LI TA
L921	073G 253 91 T	CHOKE
L922	073G 253 91 T	CHOKE
L921	073G 253 91 LS	CHOKE BY LI SHIN
L922	073G 253 91 LS	CHOKE BY LI SHIN
T901	080GL17T 32 L1	XFMR FOR POWER LITAI
T901	080GL17T 32 N1	XFMR FOR POWER YUVA
T901	080GL17T 32 T1	XFMR FOR POWER TDK
PT802	080GL19T 8DN1	X'FMR DARFONTK.2006M.101
PT801	080GL19T 8DN1	X'FMR DARFONTK.2006M.101
PT802	080GL19T 8YS1	XFMR FOR INVERTER TOP NATION
PT801	080GL19T 8YS1	XFMR FOR INVERTER TOP NATION
CN901	087G 501 32 S	AC SOCKET
CN903	088G 304 8K C	DC JACK
CN902	095G8013 12 13	WIRE HARNESS
	705G 780 61 26	R909 ASS'Y
	705G 780 61 27	R916 ASS'Y
	705G 780 93 26	D921/IC922 ASS'Y
	705G 780 93 27	D920 ASS'Y
	705G 780 93 28	DB901/Q900 ASS'Y
	705LQ7K0 65001	A4 ASS'Y
	PW1742SED3SMTP	POWER BOARD
L901	S73G17476V	FILTER
L902	S73G17477V	FILTER
	002F6150051 M3	RIVET
	002F6150100 M3	RIVET
	020F 027 1B	DIECASTING
	019F 588 3	SPRING
	015F8185 1	BRACKET
	015F8186 1	BRACKET
	002F6570104 M4	RIVET
	002F6450138 00	RIVET

	015F6310 1	BRACKET
	0M1F 130 4 47	SCREW
	085F 719 1	BRACKET
	020F 027 1B	DIECASTING
	019F 588 3	SPRING
	015F8185 1	BRACKET
	015F8186 1	BRACKET
	0M1F 130 4 47	SCREW
	033F206H24JWT0	A2006H00-2*12PHK
	033F206T2JWTOP	A2006TOP-2
	033F303TTD1	TD00-T 2407PS-00
	071F 100510 HS	FERRITE CORE
	071F 100511 HS	10*5.5*20+热缩套管
	033F303SM24K30	PK2407P30/TD00-30LH
CN702	033G8027 10 H	WAFER 2*5P 2.0MM
C728	067G215L100 7N	KY50VB10M-L 5*11.5
C708	067G215L101 4N	KY25VB100M-L 6.3*11
C707	067G215L101 4N	KY25VB100M-L 6.3*11
C706	067G215L101 4N	KY25VB100M-L 6.3*11
C705	067G215L101 4N	KY25VB100M-L 6.3*11
C705	067G215L101 4R	LOW E.S.R 100UF +/-20% 25V
C706	067G215L101 4R	LOW E.S.R 100UF +/-20% 25V
C707	067G215L101 4R	LOW E.S.R 100UF +/-20% 25V
C708	067G215L101 4R	LOW E.S.R 100UF +/-20% 25V
C725	067G215L221 4N	KY25VB220-M-L8*11.5MM
C742	067G215L221 4N	KY25VB220-M-L8*11.5MM
C742	067G215L221 4R	LOW E.S.R 220UF +/-20% 25V
C725	067G215L221 4R	LOW E.S.R 220UF +/-20% 25V
C734	067G215L470 4N	KY25VB47M-L 5*11
C725	067G215V221 4R	LOW E.S.R 220UF +/-20% 2
C742	067G215V221 4R	LOW E.S.R 220UF +/-20% 2
C728	067G215Y100 7N	KY50VB10M-L 5*11
L701	073G 253127 L	CC-010730
CN704	088G 350 1 CL	USB CONN AX2
CN704	088G 350 1 TN	USB CONN
CN703	088G 351 2B TN	USB CONN
CN703	088G 3512B1 CL	USB CONN BLACK
X701	093G 22 45 J	24MHZ/30PF/49US
CN701	095G8014 14 33	USB HARNESS 5P
	USB780A2SMTP	USB BOARD

CN705	088G 352 2 CL	USB COW
CN706	088G 352 2 CL	USB COW
CN705	088G 352 2 TN	USB CONN
CN706	088G 352 2 TN	USB CONN
CN707	095G8014 10 31	WAFER 10P RIGHT ANGLE PITCH 2.
	USB780A3AIP	USB BOARD FOR AI
	015F 551021	Slide-rail
	015F 551010	vesa plate
	015F 551020	hinge bkt
	015F 551030	base plate-1
	015F 551031	Base plate-2
	015F 551022	plate-cover
	028F0652060	SHAFTS
	028F0818080	SHAFTS
	027F0608260	RING
	020F 551120	Riser-diecasting
	020F 551021	hinge zn bkt
	020F 551022	KEY
	033F 551020	Ny lon66
	019F0322400	SPRINGS
	019F30166L0	SPRINGS
	019F09125L0	SPRINGS
	004F0612052 00	METAL WASHER
	004F0612102 00	WASHERS
	004F061210T 00	METAL WASHERS12.0*8.00*1.6H
	004F0822054 00	WASHERS
	004F0822054 01	WASHERS
	004F304310T 00	WASHERS
	004F305008M 00	WASHERS
	004F081810M 00	WASHERS
	004F081510T 00	WASHER
	004F0812102 00	WASHERS
	004F081815T 00	WASHERS
	0M1F 130 6120	SCREW
	0M1F 330 6120	SCREW
	0M1F 135 5120	SCREW
	0M1F 335 4120	SCREW
	0M1F 335 6120	SCREW
	0M1F 350 9120	SCREW
	002F0806100	SCREW NUTS

	002F0505100	NUTS
	002F0605100	SCREW NUTS M6.0*P1.0 白色
	004F081510M 00	WASHER
	004F081510T 00	WASHER
	004F0612151 00	WASHER
	004F081510M 00	WASHER
	004F081510T 00	WASHER
	004F051010T 00	WASHER
	004F061210T 00	METAL WASHERS12.0*8.00*1.6H
U401	056G 562 97	GM 5621-LF-AA
U601	056G 563 7	AIC1084-33PM
U601	056G 563 21	AP1084K33LA
U601	056G 563 30	AZ1084-33PM TO-263 AAC
U602	056G 563 31	AI1117D-1.8-EI
U302	056G 643 13	G691L400T73UF SOT-23 GMT
U201	056G1133 34	M24C02-WMN6TP
U202	056G1133 34	M24C02-WMN6TP
U403	056G1133 56	M24C16-WMN6TP
U402	056G1133 59SD3	SST25VF010-20-4C-SAE S01C-8
U402	056G1133 63SD3	IC PM25LV010-25 SCE SOIC-8 PMC
U201	056G113334A	24LC02B/SNG SOIC-8PIN
U202	056G113334A	24LC02B/SNG SOIC-8PIN
Q403	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q404	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q601	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q603	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q603	057G 417 12 T	KEC 2N3904S-RTK/PS
Q601	057G 417 12 T	KEC 2N3904S-RTK/PS
Q404	057G 417 12 T	KEC 2N3904S-RTK/PS
Q403	057G 417 12 T	KEC 2N3904S-RTK/PS
Q201	057G 758 1	2N7002ESOT23 SILICONIX
Q201	057G 759 2	RK7002
Q602	057G 763 1	A03401 SOT23 BY AOS(A1)
Q602	057G 763 1A	AP2305N
R614	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R613	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R606	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R429	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R428	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R331	061G0603000	RST CHIPR 0 OHM +-5% 1/10W

R243	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R301	061G0603100	RST CHIPR 10 OHM +-5% 1/10W
R209	061G0603100	RST CHIPR 10 OHM +-5% 1/10W
R208	061G0603100	RST CHIPR 10 OHM +-5% 1/10W
R207	061G0603100	RST CHIPR 10 OHM +-5% 1/10W
R206	061G0603100	RST CHIPR 10 OHM +-5% 1/10W
R205	061G0603100	RST CHIPR 10 OHM +-5% 1/10W
R204	061G0603100	RST CHIPR 10 OHM +-5% 1/10W
R203	061G0603100	RST CHIPR 10 OHM +-5% 1/10W
R202	061G0603100	RST CHIPR 10 OHM +-5% 1/10W
R407	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R408	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R215	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R216	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R228	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R232	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R311	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R310	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R309	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R222	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R224	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R230	061G0603101	RST CHIPR 100 OHM +-5% 1/10W
R604	061G0603102	RST CHIP 1K 1/10W 5%
R603	061G0603102	RST CHIP 1K 1/10W 5%
R602	061G0603102	RST CHIP 1K 1/10W 5%
R417	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R416	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R322	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R214	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R211	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R201	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R418	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R210	061G0603221	RST CHIPR 220 OHM +-5% 1/10W
R237	061G0603221	RST CHIPR 220 OHM +-5% 1/10W
R238	061G0603221	RST CHIPR 220 OHM +-5% 1/10W
R239	061G0603221	RST CHIPR 220 OHM +-5% 1/10W
R411	061G0603221	RST CHIPR 220 OHM +-5% 1/10W
R412	061G0603221	RST CHIPR 220 OHM +-5% 1/10W
R413	061G0603221	RST CHIPR 220 OHM +-5% 1/10W
R414	061G0603221	RST CHIPR 220 OHM +-5% 1/10W

R415	061G0603221	RST CHIPR 220 OHM +-5% 1/10W
R240	061G0603222	RST CHIPR 2.2 KOHM +-5% 1/10W
R241	061G0603222	RST CHIPR 2.2 KOHM +-5% 1/10W
R217	061G0603223	RST CHIPR 22 KOHM +-5% 1/10W
R420	061G0603223	RST CHIPR 22 KOHM +-5% 1/10W
R421	061G0603223	RST CHIPR 22 KOHM +-5% 1/10W
R302	061G0603249 0F	RST CHIPR 249 OHM +-1% 1/10W
R419	061G0603303	RST CHIPR 30 KOHM +-5% 1/10W
R422	061G0603303	RST CHIPR 30 KOHM +-5% 1/10W
R218	061G0603333	RST CHIPR 33KOHM +-5% 1/10W
R315	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R308	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R307	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R306	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R305	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R410	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R409	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R601	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R501	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R431	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R430	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R424	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R324	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R323	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R318	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R317	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R316	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R242	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R227	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R226	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R213	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R212	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R609	061G0603473	RST CHIPR 47 KOHM +-5% 1/10W
R608	061G0603473	RST CHIPR 47 KOHM +-5% 1/10W
R605	061G0603473	RST CHIPR 47 KOHM +-5% 1/10W
R235	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W
R234	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W
R233	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W
R229	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W
R223	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W

R220	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W
C201	065G0603102 32	1000PF +-10% 50V X7R
C404	065G0603102 32	1000PF +-10% 50V X7R
C405	065G0603102 32	1000PF +-10% 50V X7R
C406	065G0603102 32	1000PF +-10% 50V X7R
C407	065G0603102 32	1000PF +-10% 50V X7R
C216	065G0603103 32	0.01UF +-10% 50V X7R
C215	065G0603103 32	0.01UF +-10% 50V X7R
C213	065G0603103 32	0.01UF +-10% 50V X7R
C212	065G0603103 32	0.01UF +-10% 50V X7R
C211	065G0603103 32	0.01UF +-10% 50V X7R
C210	065G0603103 32	0.01UF +-10% 50V X7R
C324	065G0603104 12	CER2 0603 X7R 16V 100N P
C323	065G0603104 12	CER2 0603 X7R 16V 100N P
C322	065G0603104 12	CER2 0603 X7R 16V 100N P
C321	065G0603104 12	CER2 0603 X7R 16V 100N P
C320	065G0603104 12	CER2 0603 X7R 16V 100N P
C318	065G0603104 12	CER2 0603 X7R 16V 100N P
C317	065G0603104 12	CER2 0603 X7R 16V 100N P
C314	065G0603104 12	CER2 0603 X7R 16V 100N P
C313	065G0603104 12	CER2 0603 X7R 16V 100N P
C312	065G0603104 12	CER2 0603 X7R 16V 100N P
C311	065G0603104 12	CER2 0603 X7R 16V 100N P
C310	065G0603104 12	CER2 0603 X7R 16V 100N P
C326	065G0603104 12	CER2 0603 X7R 16V 100N P
C502	065G0603104 12	CER2 0603 X7R 16V 100N P
C408	065G0603104 12	CER2 0603 X7R 16V 100N P
C401	065G0603104 12	CER2 0603 X7R 16V 100N P
C333	065G0603104 12	CER2 0603 X7R 16V 100N P
C332	065G0603104 12	CER2 0603 X7R 16V 100N P
C330	065G0603104 12	CER2 0603 X7R 16V 100N P
C603	065G0603104 12	CER2 0603 X7R 16V 100N P
C604	065G0603104 12	CER2 0603 X7R 16V 100N P
C608	065G0603104 12	CER2 0603 X7R 16V 100N P
C612	065G0603104 12	CER2 0603 X7R 16V 100N P
C613	065G0603104 12	CER2 0603 X7R 16V 100N P
C614	065G0603104 12	CER2 0603 X7R 16V 100N P
C209	065G0603104 12	CER2 0603 X7R 16V 100N P
C214	065G0603104 12	CER2 0603 X7R 16V 100N P
C219	065G0603104 12	CER2 0603 X7R 16V 100N P

C220	065G0603104 12	CER2 0603 X7R 16V 100N P
C221	065G0603104 12	CER2 0603 X7R 16V 100N P
C222	065G0603104 12	CER2 0603 X7R 16V 100N P
C302	065G0603104 12	CER2 0603 X7R 16V 100N P
C303	065G0603104 12	CER2 0603 X7R 16V 100N P
C304	065G0603104 12	CER2 0603 X7R 16V 100N P
C305	065G0603104 12	CER2 0603 X7R 16V 100N P
C306	065G0603104 12	CER2 0603 X7R 16V 100N P
C307	065G0603104 12	CER2 0603 X7R 16V 100N P
C308	065G0603104 12	CER2 0603 X7R 16V 100N P
C218	065G0603220 31	CER1 0603 NP0 50V 22P PM
C217	065G0603220 31	CER1 0603 NP0 50V 22P PM
C331	065G0603224 12	CAP CHIP 0603 220N 16V X7R +/-10%
C618	065G0603224 17	CAP:CER 0.22UF-20%-80% 1
C328	065G0603330 31	CER1 0603 NP0 50V 33P PM
C327	065G0603330 31	CER1 0603 NP0 50V 33P PM
L301	071G 56K121	CHIP BEAD
L302	071G 56K121	CHIP BEAD
L303	071G 56K121	CHIP BEAD
L304	071G 56K121	CHIP BEAD
L305	071G 56K121	CHIP BEAD
L306	071G 56K121	CHIP BEAD
L307	071G 56K121	CHIP BEAD
L307	071G 56K121 M	CHIP BEAD
L306	071G 56K121 M	CHIP BEAD
L304	071G 56K121 M	CHIP BEAD
L305	071G 56K121 M	CHIP BEAD
L303	071G 56K121 M	CHIP BEAD
L302	071G 56K121 M	CHIP BEAD
L301	071G 56K121 M	CHIP BEAD
FB204	071G 59B431	BK1608 HW 431
FB203	071G 59C600	CHIP BEAD
FB202	071G 59C600	CHIP BEAD
FB201	071G 59C600	CHIP BEAD
FB203	071G 59C600 GP	CHIP BEAD 50 OHM 1608 FCM160
FB202	071G 59C600 GP	CHIP BEAD 50 OHM 1608 FCM160
FB201	071G 59C600 GP	CHIP BEAD 50 OHM 1608 FCM160
D201	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D213	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D212	093G 64 33	DIO SIG SM BAV99 (PHSE)R

D211	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D208	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D207	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D202	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D203	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D204	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D205	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D206	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D209	093G 64 42 P	BAV70 SOT-23
D210	093G 64 42 P	BAV70 SOT-23
D209	093G 64 42 PP	BAV70 SOT-23
D210	093G 64 42 PP	BAV70 SOT-23
D201	093G 6433P	BAV99
D202	093G 6433P	BAV99
D203	093G 6433P	BAV99
D204	093G 6433P	BAV99
D205	093G 6433P	BAV99
D206	093G 6433P	BAV99
D207	093G 6433P	BAV99
D208	093G 6433P	BAV99
D211	093G 6433P	BAV99
D212	093G 6433P	BAV99
D213	093G 6433P	BAV99
ZD301	093G 39P599 T	MM3Z5V6B
ZD212	093G 39P599 T	MM3Z5V6B
ZD211	093G 39P599 T	MM3Z5V6B
ZD210	093G 39P599 T	MM3Z5V6B
ZD209	093G 39P599 T	MM3Z5V6B
ZD208	093G 39P599 T	MM3Z5V6B
ZD207	093G 39P599 T	MM3Z5V6B
ZD204	093G 39P599 T	MM3Z5V6B
ZD203	093G 39P599 T	MM3Z5V6B
ZD202	093G 39P599 T	MM3Z5V6B
ZD201	093G 39P599 T	MM3Z5V6B
ZD201	093G 39S 34 T	UDZS5.6B
ZD202	093G 39S 34 T	UDZS5.6B
ZD203	093G 39S 34 T	UDZS5.6B
ZD204	093G 39S 34 T	UDZS5.6B
ZD207	093G 39S 34 T	UDZS5.6B
ZD208	093G 39S 34 T	UDZS5.6B

ZD209	093G 39S 34 T	UDZS5.6B
ZD210	093G 39S 34 T	UDZS5.6B
ZD211	093G 39S 34 T	UDZS5.6B
ZD212	093G 39S 34 T	UDZS5.6B
ZD301	093G 39S 34 T	UDZS5.6B
	715G1667 1	MAIN BOARD PCB
C02	065G0603104 12	CER2 0603 X7R 16V 100N P
C01	065G0603104 12	CER2 0603 X7R 16V 100N P
SW05	077G 605 1 AL GP	SMD SWITCH
SW04	077G 605 1 AL GP	SMD SWITCH
SW03	077G 605 1 AL GP	SMD SWITCH
SW02	077G 605 1 AL GP	SMD SWITCH
SW01	077G 605 1 AL GP	SMD SWITCH
LED01	081G 14501 GP	LED GPTD1210YGC3-HB GUANGPU
LED01	081G 14501 KT	CHIP LED
ZD07	093G 39P599 T	MM3Z5V6B
ZD06	093G 39P599 T	MM3Z5V6B
ZD05	093G 39P599 T	MM3Z5V6B
ZD04	093G 39P599 T	MM3Z5V6B
ZD03	093G 39P599 T	MM3Z5V6B
ZD02	093G 39P599 T	MM3Z5V6B
ZD01	093G 39P599 T	MM3Z5V6B
ZD05	093G 39S 34 T	UDZS5.6B
ZD04	093G 39S 34 T	UDZS5.6B
ZD03	093G 39S 34 T	UDZS5.6B
ZD02	093G 39S 34 T	UDZS5.6B
ZD01	093G 39S 34 T	UDZS5.6B
ZD06	093G 39S 34 T	UDZS5.6B
ZD07	093G 39S 34 T	UDZS5.6B
	715G1673 1	KEY BOARD PCB
R909	061G152M10458F	100K OHM 5% 2W
	096G 29 6	H.S. TUBE
R916	061G152M30858F	0.3 OHM 5% 2W
	096G 29 6	H.S. TUBE
IC922	056G 563 37	KA278R12CTU TO-220F-4L
IC922	056G 563 74	KIA278R12PI TO-220IS-4KEC
	090G6263 1	HEAT SINK
D921	093G 60240	YG802C06R TO-220F15
D921	093G 60257	DIODE SB1060FCT ITO-220AB BY PAN JIT
D921	093G1506 2	FMW-2156

	0M1G1730 8128 CR3	SCREW
	0M1G1730 8128 CR3	SCREW
D920	093G 60252	SP20150
D920	093G 60258	DIODE FME-220B TO-220 SANKEN
D920	093G 60268	YG865C15RSC
	0M1G1730 10128 CR3	SCREW
Q900	057G 667 21	STP10NK70ZFP
Q900	057G 667 23	2SK3677-01MR
DB901	093G 50460 2	D3SBA60
DB901	093G 50460506	D3SB60
	0M1G1730 10128 CR3	SCREW
C825	065G 3J1206EM	12PF 5% 3KV MURATA
C816	065G 3J1206EM	12PF 5% 3KV MURATA
C825	065G 3J1206ET	12PF 5% SL 3KV TDK
C816	065G 3J1206ET	12PF 5% SL 3KV TDK
C826	065G 3J5096ET	5PF 5% SL 3KV
C817	065G 3J5096ET	5PF 5% SL 3KV
C902	065G305M2222EM	2200PF+-20% 250VAC/400VAC
C901	065G305M2222EM	2200PF+-20% 250VAC/400VAC
C903	067G215L10115N	EC CAP 105 度 100UF 450V
C924	067G215L102 4N	KY25VB1000M-L 12.5*20
C923	067G215L102 4N	KY25VB1000M-L 12.5*20
C922	067G215L102 4N	KY25VB1000M-L 12.5*20
C924	067G215L102 4R	LOW E.S.R 1000UF +/-20% 25V
C923	067G215L102 4R	LOW E.S.R 1000UF +/-20% 25V
C922	067G215L102 4R	LOW E.S.R 1000UF +/-20% 25V
C820	067G215L471 4N	KY25VB470M-L10*16
C811	067G215L471 4N	KY25VB470M-L10*16
C925	067G215L471 4N	KY25VB470M-L10*16
C926	067G215L471 4N	KY25VB470M-L10*16
C935	067G215L471 4N	KY25VB470M-L10*16
C820	067G215L471 4R	OW E.S.R 470UF +/-20% 25V
C926	067G215L471 4R	OW E.S.R 470UF +/-20% 25V
C935	067G215L471 4R	OW E.S.R 470UF +/-20% 25V
C925	067G215L471 4R	OW E.S.R 470UF +/-20% 25V
C811	067G215L471 4R	OW E.S.R 470UF +/-20% 25V
D901	093G1020 752T	UF4003
D900	093G1100 1052T	BA159G
IC901	056G 379 52	LD7552BS
IC801	056G 608 10	0Z9938

Q801	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q802	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q803	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q801	057G 417 12 T	KEC 2N3904S-RTK/PS
Q802	057G 417 12 T	KEC 2N3904S-RTK/PS
Q803	057G 417 12 T	KEC 2N3904S-RTK/PS
Q806	057G 763 6	AO4828L
Q805	057G 763 6	AO4828L
Q806	057G 763 14	AM9945N
Q805	057G 763 14	AM9945N
RJ807	061G0805000	0 OHM 1/10W
R842	061G0805100	10 OHM 1/10W
R837	061G0805100	10 OHM 1/10W
R917	061G0805101	RST CHIPR 100 OHM +-5% 1/8W
R927	061G0805102	CHIP 1KOHM 1/10W
R925	061G0805102	CHIP 1KOHM 1/10W
R843	061G0805102	CHIP 1KOHM 1/10W
R836	061G0805102	CHIP 1KOHM 1/10W
R915	061G0805103	10 KOHM 1/10W
R914	061G0805103	10 KOHM 1/10W
R812	061G0805103	10 KOHM 1/10W
R804	061G0805103	10 KOHM 1/10W
R803	061G0805103	10 KOHM 1/10W
R815	061G0805104	RST CHIP 100K 1/8W 5%
R810	061G0805104	RST CHIP 100K 1/8W 5%
R821	061G0805104	RST CHIP 100K 1/8W 5%
R831	061G0805104	RST CHIP 100K 1/8W 5%
R911	061G0805104	RST CHIP 100K 1/8W 5%
R919	061G0805104	RST CHIP 100K 1/8W 5%
R809	061G0805105	1MOHM 1/10W
R813	061G0805105	1MOHM 1/10W
R829	061G0805150	15 0805
R828	061G0805150	15 0805
R830	061G0805153	150K 0805
R820	061G0805153	150K 0805
R811	061G0805154	150KOHM 1/10W
R816	061G0805155	RST CHIPR 1.5 MOHM +-5% 1/8W
R807	061G0805220	22&8 1/10W
R841	061G0805221	RST CHIPR 220 OHM +-5% 1/8W
R826	061G0805222	RST CHIPR 2.2KOHM +-5% 1/8W

R929	061G0805240 1F	2.4KOHM 1/10W 1%
R802	061G0805304	RST CHIPR 300 KOHM +-5% 1/8W
R926	061G0805330 2F	33 KOHM 1/10W 1%
R924	061G0805360 1F	3.6KOHM 1/10W 1%
R817	061G0805393	39 KOHM 1/10W
R825	061G0805561	560 0805
R835	061G0805561	560 0805
R827	061G0805562	RST CHIPR 5.6 KOHM +-5% 1/8W
R834	061G0805562	RST CHIPR 5.6 KOHM +-5% 1/8W
R814	061G0805563	56KOHM 1/10W
R918	061G0805753	CHIP 75KOHM 1/10W
R833	061G0805753	CHIP 75KOHM 1/10W
R823	061G0805753	CHIP 75KOHM 1/10W
F902	061G1206000	0 OHM 1/8W
R801	061G1206000	0 OHM 1/8W
RJ801	061G1206000	0 OHM 1/8W
RJ802	061G1206000	0 OHM 1/8W
RJ803	061G1206000	0 OHM 1/8W
RJ804	061G1206000	0 OHM 1/8W
RJ805	061G1206000	0 OHM 1/8W
RJ808	061G1206000	0 OHM 1/8W
R818	061G1206150	15 OHM 1/8W
R819	061G1206150	15 OHM 1/8W
R839	061G1206220	RST CHIPR 22 OHM +-5% 1/4W
R840	061G1206220	RST CHIPR 22 OHM +-5% 1/4W
R910	061G1206229	RST CHIPR 2.2 OHM +-5% 1/4W
R900	061G1206334	330KOHM 1/8
R901	061G1206334	330KOHM 1/8
R902	061G1206334	330KOHM 1/8
R903	061G1206434	RST CHIPR 430 KOHM +-5% 1/4W
R904	061G1206434	RST CHIPR 430 KOHM +-5% 1/4W
R905	061G1206434	RST CHIPR 430 KOHM +-5% 1/4W
R805	061G1206471	470 1206
R808	061G1206474	470KOHM 1/8W
R906	061G1206514	RST CHIPR 510 KOHM +-5% 1/4W
R907	061G1206514	RST CHIPR 510 KOHM +-5% 1/4W
R908	061G1206514	RST CHIPR 510 KOHM +-5% 1/4W
C805	065G0805102 32	CHIP 1000P 50VX7R 0805
C807	065G0805103 32	10NF/50V/0805/X7R
C803	065G0805103 32	10NF/50V/0805/X7R

C908	065G0805104 22	0.1UF +-10% 25V X7R 080
C905	065G0805104 32	CHIP 0.1U 50V X7R
C927	065G0805104 32	CHIP 0.1U 50V X7R
C930	065G0805104 32	CHIP 0.1U 50V X7R
C936	065G0805104 32	CHIP 0.1U 50V X7R
C937	065G0805104 32	CHIP 0.1U 50V X7R
C938	065G0805104 32	CHIP 0.1U 50V X7R
C806	065G0805105 22	CHIP 1UF 25V X7R 0805
C812	065G0805152 22	CHIP 0.005UF 25V X7R 0805
C813	065G0805152 22	CHIP 0.005UF 25V X7R 0805
C822	065G0805152 22	CHIP 0.005UF 25V X7R 0805
C823	065G0805152 22	CHIP 0.005UF 25V X7R 0805
C814	065G0805152 31	1.5N/50V
C815	065G0805152 31	1.5N/50V
C907	065G0805221 32	CHIP 220PF 50V X7R 0805
C934	065G0805223 22	CHIP 0.022UF 25V X7R 080
C804	065G0805225 12	CHIP 2.2UF 15V X7R 0805
C827	065G0805471 31	CHIP 470PF 50V NPO
C818	065G0805471 31	CHIP 470PF 50V NPO
C810	065G0805471 31	CHIP 470PF 50V NPO
C809	065G0805473 32	CHIP 0.047UF 50V X7R
C819	065G0805473 32	CHIP 0.047UF 50V X7R
C808	065G0805682 32	MLCC 0805 CAP 6800PF K 50V X7R
FB901	071G 57G301 EA	CHIP BEAD
D804	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D802	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D803	093G 64 42 PP	BAV70 SOT-23
D801	093G 64 42 PP	BAV70 SOT-23
D922	093G 6432P	LL4148
D923	093G 6432P	LL4148
D922	093G 6432S	IN4148W
D923	093G 6432S	IN4148W
D922	093G 6432U	MLL4148 SMD
D923	093G 6432U	MLL4148 SMD
D802	093G 6433P	BAV99
D804	093G 6433P	BAV99
ZD801	093G 39S 24 T	RLZ 5.6B LLDS
ZD922	093G 39S 25 T	RLZ5.1B LLDS
ZD920	093G 39S 38 T	PTZ 9.1B
ZD921	093G 39S 40 T	RLZ 13B LLDS

	PW1742SED3AIP	POWER BOARD
	071FPO33101 01	CORE
	071FPO33101 01	CORE
U702	056G 563 57	AP1510SA
U703	056G 585 4	AIC1117-33PY ANALOG
U701	056G 659 2	IC USB CTRL USB2504 TQFP 64P
F704	061G 56075 WT	PTC KMC 5S075R001-0.75MA
F703	061G 56075 WT	PTC KMC 5S075R001-0.75MA
F702	061G 56075 WT	PTC KMC 5S075R001-0.75MA
F701	061G 56075 WT	PTC KMC 5S075R001-0.75MA
R740	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R741	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R755	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R749	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R747	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R745	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R716	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R714	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R712	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R710	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R707	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R706	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R704	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W
R701	061G0603104	RST CHIPR 100 KOHM +-5% 1/10W
R702	061G0603104	RST CHIPR 100 KOHM +-5% 1/10W
R703	061G0603104	RST CHIPR 100 KOHM +-5% 1/10W
R708	061G0603105	RST CHIPR 1 MOHM +-5% 1/10W
R709	061G0603113 2F	RST CHIPR 11.3 KOHM +-1% 1/10W
R753	061G0603123	RST CHIPR 12 KOHM +-5% 1/10W
R711	061G0603153	RST CHIPR 15KOHM +-5% 1/10W
R713	061G0603153	RST CHIPR 15KOHM +-5% 1/10W
R715	061G0603153	RST CHIPR 15KOHM +-5% 1/10W
R717	061G0603153	RST CHIPR 15KOHM +-5% 1/10W
R746	061G0603221	RST CHIPR 220 OHM +-5% 1/10W
R754	061G0603222	RST CHIPR 2.2 KOHM +-5% 1/10W
R750	061G0603362	RST CHIPR 3.6 KOHM +-5% 1/10W
R705	061G0603391	RST CHIPR 390 OHM +-5% 1/10W
C731	065G0603103 32	0.01UF +-10% 50V X7R
C719	065G0603103 32	0.01UF +-10% 50V X7R
C718	065G0603103 32	0.01UF +-10% 50V X7R

C717	065G0603103 32	0.01UF +-10% 50V X7R
C716	065G0603103 32	0.01UF +-10% 50V X7R
C715	065G0603103 32	0.01UF +-10% 50V X7R
C713	065G0603103 32	0.01UF +-10% 50V X7R
C711	065G0603103 32	0.01UF +-10% 50V X7R
C710	065G0603103 32	0.01UF +-10% 50V X7R
C709	065G0603103 32	0.01UF +-10% 50V X7R
C741	065G0603104 12	CER2 0603 X7R 16V 100N P
C736	065G0603104 12	CER2 0603 X7R 16V 100N P
C733	065G0603104 12	CER2 0603 X7R 16V 100N P
C727	065G0603104 12	CER2 0603 X7R 16V 100N P
C724	065G0603104 12	CER2 0603 X7R 16V 100N P
C723	065G0603104 12	CER2 0603 X7R 16V 100N P
C722	065G0603104 12	CER2 0603 X7R 16V 100N P
C721	065G0603104 12	CER2 0603 X7R 16V 100N P
C702	065G0603104 12	CER2 0603 X7R 16V 100N P
C701	065G0603104 12	CER2 0603 X7R 16V 100N P
C704	065G0603220 31	CER1 0603 NP0 50V 22P PM
C703	065G0603220 31	CER1 0603 NP0 50V 22P PM
C712	065G0805475 A5	0805 4.7UF +-10% 10V X5R
C714	065G0805475 A5	0805 4.7UF +-10% 10V X5R
C720	065G0805475 A5	0805 4.7UF +-10% 10V X5R
FB707	071G 56K121 M	CHIP BEAD
FB705	071G 56K121 M	CHIP BEAD
FB704	071G 56K121 M	CHIP BEAD
FB703	071G 56K121 M	CHIP BEAD
FB702	071G 56K121 M	CHIP BEAD
FB701	071G 56K121 M	CHIP BEAD
FB706	071G 56Z601	CHIP BEAD 600 OHM 0805
FB706	071G 56Z601 M	CHIP BEAD 600OHM
L706	073G253S 1 B	CHOKE COIL
L705	073G253S 1 B	CHOKE COIL
L704	073G253S 1 B	CHOKE COIL
L703	073G253S 1 B	CHOKE COIL
L702	073G253S 1 B	CHOKE COIL
ZD710	093G 64 49 SU	DIODE ESD EGA 10603V05A1-B INPAQ
ZD709	093G 64 49 SU	DIODE ESD EGA 10603V05A1-B INPAQ
ZD708	093G 64 49 SU	DIODE ESD EGA 10603V05A1-B INPAQ
ZD707	093G 64 49 SU	DIODE ESD EGA 10603V05A1-B INPAQ
ZD706	093G 64 49 SU	DIODE ESD EGA 10603V05A1-B INPAQ

ZD705	093G 64 49 SU	DIODE ESD EGA 10603V05A1-B INPAQ
ZD704	093G 64 49 SU	DIODE ESD EGA 10603V05A1-B INPAQ
ZD703	093G 64 49 SU	DIODE ESD EGA 10603V05A1-B INPAQ
ZD702	093G 64 49 SU	DIODE ESD EGA 10603V05A1-B INPAQ
ZD701	093G 64 49 SU	DIODE ESD EGA 10603V05A1-B INPAQ
D701	093G5004 1	SR54 T0-214AA
	715G1666 1	USB BOARD PCB
C732	065G601M104 7T	0.1UF +-20% 50V Y5V
C733	065G601M104 7T	0.1UF +-20% 50V Y5V
	715G1665 1 2	PCB
T901	006G 31502	1.5MM RIVET
PT802	006G 31502	1.5MM RIVET
PT801	006G 31502	1.5MM RIVET
L902	006G 31502	1.5MM RIVET
C903	006G 31502	1.5MM RIVET
NR901	006G 31502	1.5MM RIVET
IC903	056G 158 10 T	IC AZ431AZ-AE1 TO-92 BY AAC
IC921	056G 158 10 T	IC AZ431AZ-AE1 TO-92 BY AAC
IC903	056G 158 12	KIA431A-AT/P TO-92
IC921	056G 158 12	KIA431A-AT/P TO-92
Q921	057G 419501 T	KTC945P
Q922	057G 760 8 T	KRC102M-ATP
R913	061G 17210252T	1K OHM 5% 1/4W
R912	061G 17222052T	RST CFR 22 OHM +-5% 1/4W
R922	061G 17222152T GP	220 OHM 5% 1/4W
R928	061G 17239252T	3.9KOHM 5% 1/4W
R930	061G 60210252T	CFR 1K OHM +-5% 1/6W
R931	061G 60247252T	4.7K OHM 5% 1/6W
R920	061G175L47052T	47OHM +-5% 1/2W
R921	061G175L47052T	47OHM +-5% 1/2W
R822	061G212Y625 KT	MGFR 6.2MOHM +-5% 1/2W
R832	061G212Y625 KT	MGFR 6.2MOHM +-5% 1/2W
C904	065G 1K152 1T	1.5NF/1KV Z5F+-10%
C931	065G 450104 4T	0.1UF Z5V 50V
C920	065G517K102 5T	1000PF 10% Y5P 500V
C921	065G517K102 5T	1000PF 10% Y5P 500V
C906	067G 2152207NT	KY50VB22M-TP5 5*11
C906	067G 2152207RT	LOW E.S.R 22UF +/-20% 50V
C906	067G 2152207RT GP	YXG 22UF M 50V
F901	084G 56 1	FUSE 2A 250V WICKMANN

	715G1775 2	POWER BOARD PCB
	034FPE19P03	CASE EEL19
	034FPE19P03	CASE EEL19

T780KSCHBRDEQP

Location	Part No. for TPV	Description
	CBPC780KSCDRP	CONVERSION BOARD
	KEPC780KE2P	KEY BOARD
	PWPC1742SED3P	POWER BOARD
	USB780A2P	USB BOARD
	USB780A3P	USB BOARD
	11G6070 1 GP	TIE MOUNTS
	11G6092 1	FIX BUTTON
	15G8146 1	KEYSINGTON BRACKET
	15G8265 1	MAIN FRAME-SAM
	23G3178700 3A	logo
	26G 800700 6A	S/N LABEL
	33G4885 VH L	BUTTON DELEASE
	33G4940AVI L	BUTTON FUNETION
	34G1738AVH B	BEZEL
	34G1739 SN B	REAR COVER
	34G1740 VH B	REAR VENT L
	34G1741 VH B	REAR VENT R
	40G 17N700 3A	RATING LABEL
	40G 581700 3A6813	CARTON LABEL
	41G780070041B	QSG FOR WESTP
	41G780070044A	DVI SHEET
	44G3231 12 A	EVA WASHER
	44G3784 1	EPS(L)
	44G3784 2	EPS(R)
	44G3784 3	EPS(M)
	44G3784700 2A	CARTON

	45G 88609 26	EPE BAG FOR BASE
	45G 88609 27	EPE BAG FOR MONITOR
	52G 1186	SMALL TAPE
	52G6020 2DEA	FILM PROTECT
	52G6022 1500	SMALL TAPE
	52G6025 11936	MYLAR
	52G6025 11938	MYLAR
	70G1700700 4C	CD MANUAL
	85G 720 1	SHIELD USB
	89G 175 9	USB CABLE
	M1G 130 4120	SCREW M3X5
	M1G 130 4225	SCREW
	M1G 330 4128	SCREW M3X4
	M1G1730 6128	SCREW M3x6
	M1G1740 6128	SCREW
	M1G1830 5120	SCREW
	M1G2940 10225	SCREW
	Q1G6019 1	SCREW
E089B	89G 728GAA 2D	SIGNAL CABLE
E089D	89G174ELAA 1	DVI CABLE
E095	95G8018 30100	PANEL HARNESS
E750L	750GLS70U2122Z	SEC 17" EU-L21 CLA ZBD
	AIC780KSCDRP	MAIN BOARD
	40G 457624 1B	LABEL-CPU
	40G 45762412B	CBPC LABEL
C301	67G215Y2207RV	RUBYCON 50V 22UF
C309	67G215Y2207RV	RUBYCON 50V 22UF
C316	67G215Y2207RV	RUBYCON 50V 22UF
C319	67G215Y2207RV	RUBYCON 50V 22UF
C325	67G215Y2207RV	RUBYCON 50V 22UF
C501	67G215Y2207RV	RUBYCON 50V 22UF
C601	67G215L221 4N	KY25VB220-M-L8*11.5MM
C602	67G215L221 4N	KY25VB220-M-L8*11.5MM
C609	67G215Y2207RV	RUBYCON 50V 22UF
C610	67G215Y2207RV	RUBYCON 50V 22UF
C611	67G215L221 4N	KY25VB220-M-L8*11.5MM
C615	67G215Y2207RV	RUBYCON 50V 22UF
CN201	88G 35424F H	DV1 CONNECTOR 24PIN
CN202	88G 35315F H	D-SUB 15PIN

CN401	33G8027 14	WAFER 14P 2.0MM DIP DUA
CN403	33G8019 8C	FPC/FFC CONN
CN501	33G8043 24 H	CONNECTER
CN601	33G8027 12	WAFER 2*6P 2.0MM R/A
X301	93G 22 53 H	14.31818MHZ/30PF/49US
	715G1667 1	MAIN BOARD
C201	65G0603102 32	1000PF +-10% 50V X7R
C209	65G0603104 12	CER2 0603 X7R 16V 100N
C210	65G0603103 32	0.01UF +-10% 50V X7R
C211	65G0603103 32	0.01UF +-10% 50V X7R
C212	65G0603103 32	0.01UF +-10% 50V X7R
C213	65G0603103 32	0.01UF +-10% 50V X7R
C214	65G0603104 12	CER2 0603 X7R 16V 100N
C215	65G0603103 32	0.01UF +-10% 50V X7R
C216	65G0603103 32	0.01UF +-10% 50V X7R
C217	65G0603220 31	CER1 0603 NP0 50V 22P P
C218	65G0603220 31	CER1 0603 NP0 50V 22P P
C219	65G0603104 12	CER2 0603 X7R 16V 100N
C220	65G0603104 12	CER2 0603 X7R 16V 100N
C221	65G0603104 12	CER2 0603 X7R 16V 100N
C222	65G0603104 12	CER2 0603 X7R 16V 100N
C302	65G0603104 12	CER2 0603 X7R 16V 100N
C303	65G0603104 12	CER2 0603 X7R 16V 100N
C304	65G0603104 12	CER2 0603 X7R 16V 100N
C305	65G0603104 12	CER2 0603 X7R 16V 100N
C306	65G0603104 12	CER2 0603 X7R 16V 100N
C307	65G0603104 12	CER2 0603 X7R 16V 100N
C308	65G0603104 12	CER2 0603 X7R 16V 100N
C310	65G0603104 12	CER2 0603 X7R 16V 100N
C311	65G0603104 12	CER2 0603 X7R 16V 100N
C312	65G0603104 12	CER2 0603 X7R 16V 100N
C313	65G0603104 12	CER2 0603 X7R 16V 100N
C314	65G0603104 12	CER2 0603 X7R 16V 100N
C317	65G0603104 12	CER2 0603 X7R 16V 100N
C318	65G0603104 12	CER2 0603 X7R 16V 100N
C320	65G0603104 12	CER2 0603 X7R 16V 100N
C321	65G0603104 12	CER2 0603 X7R 16V 100N
C322	65G0603104 12	CER2 0603 X7R 16V 100N
C323	65G0603104 12	CER2 0603 X7R 16V 100N

C324	65G0603104 12	CER2 0603 X7R 16V 100N
C326	65G0603104 12	CER2 0603 X7R 16V 100N
C327	65G0603330 31	CER1 0603 NP0 50V 33P P
C328	65G0603330 31	CER1 0603 NP0 50V 33P P
C330	65G0603104 12	CER2 0603 X7R 16V 100N
C331	65G0603224 12	CHIP 0.22UF +-10% 16V X
C332	65G0603104 12	CER2 0603 X7R 16V 100N
C333	65G0603104 12	CER2 0603 X7R 16V 100N
C401	65G0603104 12	CER2 0603 X7R 16V 100N
C404	65G0603102 32	1000PF +-10% 50V X7R
C405	65G0603102 32	1000PF +-10% 50V X7R
C406	65G0603102 32	1000PF +-10% 50V X7R
C407	65G0603102 32	1000PF +-10% 50V X7R
C408	65G0603104 12	CER2 0603 X7R 16V 100N
C502	65G0603104 12	CER2 0603 X7R 16V 100N
C603	65G0603104 12	CER2 0603 X7R 16V 100N
C604	65G0603104 12	CER2 0603 X7R 16V 100N
C608	65G0603104 12	CER2 0603 X7R 16V 100N
C612	65G0603104 12	CER2 0603 X7R 16V 100N
C613	65G0603104 12	CER2 0603 X7R 16V 100N
C614	65G0603104 12	CER2 0603 X7R 16V 100N
C618	65G0603224 17	CAP:CER 0.22UF-20%-80%
D201	93G 64 33	DIO SIG SM BAV99 (PHSE)
D202	93G 64 33	DIO SIG SM BAV99 (PHSE)
D203	93G 64 33	DIO SIG SM BAV99 (PHSE)
D204	93G 64 33	DIO SIG SM BAV99 (PHSE)
D205	93G 64 33	DIO SIG SM BAV99 (PHSE)
D206	93G 64 33	DIO SIG SM BAV99 (PHSE)
D207	93G 64 33	DIO SIG SM BAV99 (PHSE)
D208	93G 64 33	DIO SIG SM BAV99 (PHSE)
D209	93G 64 42 P	BAV70 SOT-23
D210	93G 64 42 P	BAV70 SOT-23
D211	93G 64 33	DIO SIG SM BAV99 (PHSE)
D212	93G 64 33	DIO SIG SM BAV99 (PHSE)
D213	93G 64 33	DIO SIG SM BAV99 (PHSE)
FB201	71G 59C600	CHIP BEAD
FB202	71G 59C600	CHIP BEAD
FB203	71G 59C600	CHIP BEAD
FB204	71G 59B431	BK1608 HW 431

L301	71G 56K121	CHIP BEAD
L302	71G 56K121	CHIP BEAD
L303	71G 56K121	CHIP BEAD
L304	71G 56K121	CHIP BEAD
L305	71G 56K121	CHIP BEAD
L306	71G 56K121	CHIP BEAD
L307	71G 56K121	CHIP BEAD
Q201	57G 758 1	2N7002ESOT23 SILICONIX
Q403	57G 417 12 T	KEC 2N3904S-RTK/PS
Q404	57G 417 12 T	KEC 2N3904S-RTK/PS
Q601	57G 417 12 T	KEC 2N3904S-RTK/PS
Q602	57G 763 1	A03401 SOT23 BY AOS(A1)
Q603	57G 417 12 T	KEC 2N3904S-RTK/PS
R201	61L0603103	RST SM 0603 RC0603 10K
R202	61L0603100	CHIP 10 OHM 1/10W
R203	61L0603100	CHIP 10 OHM 1/10W
R204	61L0603100	CHIP 10 OHM 1/10W
R205	61L0603100	CHIP 10 OHM 1/10W
R206	61L0603100	CHIP 10 OHM 1/10W
R207	61L0603100	CHIP 10 OHM 1/10W
R208	61L0603100	CHIP 10 OHM 1/10W
R209	61L0603100	CHIP 10 OHM 1/10W
R210	61L0603221	RST SM 0603 RC0603 220R
R211	61L0603103	RST SM 0603 RC0603 10K
R212	61L0603472	RST SM 0603 RC0603 4K7
R213	61L0603472	RST SM 0603 RC0603 4K7
R214	61L0603103	RST SM 0603 RC0603 10K
R215	61L0603101	RST SM 0603 RC0603 100R
R216	61L0603101	RST SM 0603 RC0603 100R
R217	61L0603223	CHIPR 22K OHM +-5% 1/10
R218	61L0603333	CHIP 33K OHM 1/10W
R220	61L0603750 9F	75OHM 1% 1/10W
R222	61L0603101	RST SM 0603 RC0603 100R
R223	61L0603750 9F	75OHM 1% 1/10W
R224	61L0603101	RST SM 0603 RC0603 100R
R226	61L0603472	RST SM 0603 RC0603 4K7
R227	61L0603472	RST SM 0603 RC0603 4K7
R228	61L0603101	RST SM 0603 RC0603 100R
R229	61L0603750 9F	75OHM 1% 1/10W

R230	61L0603101	RST SM 0603 RC0603 100R
R232	61L0603101	RST SM 0603 RC0603 100R
R233	61L0603750 9F	75OHM 1% 1/10W
R234	61L0603750 9F	75OHM 1% 1/10W
R235	61L0603750 9F	75OHM 1% 1/10W
R237	61L0603221	RST SM 0603 RC0603 220R
R238	61L0603221	RST SM 0603 RC0603 220R
R239	61L0603221	RST SM 0603 RC0603 220R
R240	61L0603222	RST SM 0603 RC0603 2K2
R241	61L0603222	RST SM 0603 RC0603 2K2
R242	61L0603472	RST SM 0603 RC0603 4K7
R243	61L0603000	RST SM 0603 JUMP MAX 0R
R301	61L0603100	CHIP 10 OHM 1/10W
R302	61L0603249 0F	CHIP 249OHM 1/16W 1%
R305	61L0603472	RST SM 0603 RC0603 4K7
R306	61L0603472	RST SM 0603 RC0603 4K7
R307	61L0603472	RST SM 0603 RC0603 4K7
R308	61L0603472	RST SM 0603 RC0603 4K7
R309	61L0603101	RST SM 0603 RC0603 100R
R310	61L0603101	RST SM 0603 RC0603 100R
R311	61L0603101	RST SM 0603 RC0603 100R
R315	61L0603472	RST SM 0603 RC0603 4K7
R316	61L0603472	RST SM 0603 RC0603 4K7
R317	61L0603472	RST SM 0603 RC0603 4K7
R318	61L0603472	RST SM 0603 RC0603 4K7
R322	61L0603103	RST SM 0603 RC0603 10K
R323	61L0603472	RST SM 0603 RC0603 4K7
R324	61L0603472	RST SM 0603 RC0603 4K7
R331	61L0603000	RST SM 0603 JUMP MAX 0R
R407	61L0603101	RST SM 0603 RC0603 100R
R408	61L0603101	RST SM 0603 RC0603 100R
R409	61L0603472	RST SM 0603 RC0603 4K7
R410	61L0603472	RST SM 0603 RC0603 4K7
R411	61L0603221	RST SM 0603 RC0603 220R
R412	61L0603221	RST SM 0603 RC0603 220R
R413	61L0603221	RST SM 0603 RC0603 220R
R414	61L0603221	RST SM 0603 RC0603 220R
R415	61L0603221	RST SM 0603 RC0603 220R
R416	61L0603103	RST SM 0603 RC0603 10K

R417	61L0603103	RST SM 0603 RC0603 10K
R418	61L0603103	RST SM 0603 RC0603 10K
R419	61L0603303	CHIP 30K OHM 5% 1/10W
R420	61L0603223	CHIPR 22K OHM +-5% 1/10
R421	61L0603223	CHIPR 22K OHM +-5% 1/10
R422	61L0603303	CHIP 30K OHM 5% 1/10W
R424	61L0603472	RST SM 0603 RC0603 4K7
R428	61L0603000	RST SM 0603 JUMP MAX 0R
R429	61L0603000	RST SM 0603 JUMP MAX 0R
R430	61L0603472	RST SM 0603 RC0603 4K7
R431	61L0603472	RST SM 0603 RC0603 4K7
R501	61L0603472	RST SM 0603 RC0603 4K7
R601	61L0603472	RST SM 0603 RC0603 4K7
R602	61L0603102	RST SM 0603 RC0603 1K P
R603	61L0603102	RST SM 0603 RC0603 1K P
R604	61L0603102	RST SM 0603 RC0603 1K P
R605	61L0603473	RST SM 0603 RC0603 47K
R606	61L0603000	RST SM 0603 JUMP MAX 0R
R608	61L0603473	RST SM 0603 RC0603 47K
R609	61L0603473	RST SM 0603 RC0603 47K
R613	61L0603000	RST SM 0603 JUMP MAX 0R
R614	61L0603000	RST SM 0603 JUMP MAX 0R
U201	56G1133 34	M24C02-WMN6TP
U202	56G1133 34	M24C02-WMN6TP
U302	56G 643 13	G691L400T73UF SOT-23 GM
U401	56G 562 97	GM 5621-LF-AA
U402	56G1133 63SD3	PM25LV010-25SCE
U403	56G1133 56	M24C16-WMN6TP
U601	56G 563 21	AP1084K33LA
U602	56G 563 31	AI1117D-1.8-EI
ZD201	93G 39S 34 T	UDZS5.6B
ZD202	93G 39S 34 T	UDZS5.6B
ZD203	93G 39S 34 T	UDZS5.6B
ZD204	93G 39S 34 T	UDZS5.6B
ZD207	93G 39S 34 T	UDZS5.6B
ZD208	93G 39S 34 T	UDZS5.6B
ZD209	93G 39S 34 T	UDZS5.6B
ZD210	93G 39S 34 T	UDZS5.6B
ZD211	93G 39S 34 T	UDZS5.6B

ZD212	93G 39S 34 T	UDZS5.6B
ZD301	93G 39S 34 T	UDZS5.6B
	AIK780KE2SMTP	KEY BOARD FOR SMT
CN1	89G176S 8 9	FPC/FFC SMT R/A
	715G1673 1	KEY BOARD
C01	65G0603104 12	CER2 0603 X7R 16V 100N
C02	65G0603104 12	CER2 0603 X7R 16V 100N
LED01	81G 14501 KT	CHIP LED
SW01	77G 605 1 AL GP	SMD SWITCH
SW02	77G 605 1 AL GP	SMD SWITCH
SW03	77G 605 1 AL GP	SMD SWITCH
SW04	77G 605 1 AL GP	SMD SWITCH
SW05	77G 605 1 AL GP	SMD SWITCH
ZD01	93G 39S 34 T	UDZS5.6B
ZD02	93G 39S 34 T	UDZS5.6B
ZD03	93G 39S 34 T	UDZS5.6B
ZD04	93G 39S 34 T	UDZS5.6B
ZD05	93G 39S 34 T	UDZS5.6B
ZD06	93G 39S 34 T	UDZS5.6B
ZD07	93G 39S 34 T	UDZS5.6B
	PW1742SED3SMTP	POWER BOARD
	40G 45762420A	ID LABEL
	705G 780 61 26	R909 ASS'Y
	705G 780 61 27	R916 ASS'Y
	705G 780 93 26	D921/IC922 ASS'Y
	705G 780 93 27	D920 ASS'Y
	705G 780 93 28	DB901/Q900 ASS'Y
C811	67G215L471 4N	KY25VB470M-L10*16
C816	65G 3J1206ET	12PF 5% SL 3KV TDK
C817	65G 3J5096ET	5PF 5% SL 3KV
C820	67G215L471 4N	KY25VB470M-L10*16
C825	65G 3J1206ET	12PF 5% SL 3KV TDK
C826	65G 3J5096ET	5PF 5% SL 3KV
C901	65G305M2222EM	2200PF+-20% 250VAC/400V
C902	65G305M2222EM	2200PF+-20% 250VAC/400V
C903	67G215L10115N	EC CAP 105 100UF 450V
C922	67G215L102 4N	KY25VB1000M-L 12.5*20
C923	67G215L102 4N	KY25VB1000M-L 12.5*20
C924	67G215L102 4N	KY25VB1000M-L 12.5*20

C925	67G215L471 4N	KY25VB470M-L10*16
C926	67G215L471 4N	KY25VB470M-L10*16
C932	65G306M4722BM GP	4700PF +-20% 400VAC
C935	67G215L471 4N	KY25VB470M-L10*16
CN801	33G8021 2D AC	CONN.2P R/A 87210-0236
CN802	33G8021 2D AC	CONN.2P R/A 87210-0236
CN803	33G8021 2D AC	CONN.2P R/A 87210-0236
CN804	33G8021 2D AC	CONN.2P R/A 87210-0236
CN901	87G 501 32 S	AC SOCKET
CN902	95G8013 12 13	WIRE HARNESS
CN903	88G 304 8K C	DC JACK
D901	93G1020 752T	UF4003
IC902	56G 139 3A	PC123Y22FZOF
L901	73G 174 76 L	CHOKE COIL LI TAI LF-00
L902	73G 174 77 L	LINE FILTER
L921	73G 253 91 LS	CHOKE BY LI SHIN
L922	73G 253 91 LS	CHOKE BY LI SHIN
NR901	61G 58080 WT	8 OHM NCT
PT801	80GL19T 8 DN	OZ9RR_TRANS
PT802	80GL19T 8 DN	OZ9RR_TRANS
T901	80GL17T 32 L	ADAPTOR BY LITAI
	PW1742SED3AIP	POWER BOARD
C803	65G0805103 32	10NF/50V/0805/X7R
C804	65G0805225 12	CHIP 2.2UF 15V X7R 0805
C805	65G0805102 32	CHIP 1000P 50VX7R 0805
C806	65G0805105 22	CHIP 1UF 25V X7R 0805
C807	65G0805103 32	10NF/50V/0805/X7R
C808	65G0805682 32	CHIP 6.8UF 50V X7R 0805
C809	65G0805473 32	CHIP 0.047UF 50V X7R
C810	65G0805471 31	CHIP 470PF 50V NPO
C812	65G0805152 22	CHIP 0.005UF 25V X7R 08
C813	65G0805152 22	CHIP 0.005UF 25V X7R 08
C814	65G0805152 31	1.5N/50V
C815	65G0805152 31	1.5N/50V
C818	65G0805471 31	CHIP 470PF 50V NPO
C819	65G0805473 32	CHIP 0.047UF 50V X7R
C822	65G0805152 22	CHIP 0.005UF 25V X7R 08
C823	65G0805152 22	CHIP 0.005UF 25V X7R 08
C827	65G0805471 31	CHIP 470PF 50V NPO

C905	65G0805104 32	CHIP 0.1U 50V X7R
C907	65G0805221 32	CHIP 220PF 50V X7R 0805
C908	65G0805104 22	0.1UF +-10% 25V X7R 080
C927	65G0805104 32	CHIP 0.1U 50V X7R
C930	65G0805104 32	CHIP 0.1U 50V X7R
C934	65G0805223 22	CHIP 0.022UF 25V X7R 08
C936	65G0805104 32	CHIP 0.1U 50V X7R
C937	65G0805104 32	CHIP 0.1U 50V X7R
C938	65G0805104 32	CHIP 0.1U 50V X7R
D801	93G 64 42 PP	BAV70 SOT-23
D802	93G 64 33	DIO SIG SM BAV99 (PHSE)
D803	93G 64 42 PP	BAV70 SOT-23
D804	93G 64 33	DIO SIG SM BAV99 (PHSE)
D922	93G 6432S	IN4148W
D923	93G 6432S	IN4148W
F902	61L1206000	RST SM 1206 JUMP MAX 0R
FB901	71G 57G301 EA	CHIP BEAD
IC801	56G 608 10	0Z9938
IC901	56G 379 52	LD7552BS
Q801	57G 417 12 T	KEC 2N3904S-RTK/PS
Q802	57G 417 12 T	KEC 2N3904S-RTK/PS
Q803	57G 417 12 T	KEC 2N3904S-RTK/PS
Q805	57G 763 14	AM9945N
Q806	57G 763 14	AM9945N
R801	61L1206000	RST SM 1206 JUMP MAX 0R
R802	61L0805304	300K OM 1/8W
R803	61L0805103	CHIPR 10K OHM +-5% 1/8W
R804	61L0805103	CHIPR 10K OHM +-5% 1/8W
R805	61L1206471	CHIPR 470 OHM+-5% 1/4W
R807	61L0805220	CHIP 22 OHM 5% 0805 1/8
R808	61L1206474	470K OHM 5% 1/4W
R809	61L0805105	CHIP 1M OHM 5% 1/8W
R810	61L0805104	CHIPR 100K OHM+-5% 1/8W
R811	61L0805154	CHIP 150KOHM 5% 1/8W
R812	61L0805103	CHIPR 10K OHM +-5% 1/8W
R813	61L0805105	CHIP 1M OHM 5% 1/8W
R814	61L0805563	CHIP 56K OHM 1/8W
R815	61L0805104	CHIPR 100K OHM+-5% 1/8W
R816	61L0805155	CHIP 1.5M OHM 5% 1/8W

R817	61L0805393	SMD 39KOHM/0805/+5% 1/
R818	61L1206150	CHIP 15 OHM 5% 1206 1/4
R819	61L1206150	CHIP 15 OHM 5% 1206 1/4
R820	61L0805153	CHIPR 15K OHM+-5% 1/8W
R821	61L0805104	CHIPR 100K OHM+-5% 1/8W
R823	61L0805753	75K 1/8W
R825	61L0805561	CHIP 560 OHM 1/8W
R827	61L0805562	CHIP 5.6K OHM 1/8W
R828	61L0805150	15 0805
R829	61L0805150	15 0805
R830	61L0805153	CHIPR 15K OHM+-5% 1/8W
R831	61L0805104	CHIPR 100K OHM+-5% 1/8W
R833	61L0805753	75K 1/8W
R834	61L0805562	CHIP 5.6K OHM 1/8W
R835	61L0805561	CHIP 560 OHM 1/8W
R836	61L0805102	CHIPR 1K OHM +-5% 1/8W
R837	61L0805100	CHIPR 10 OHM+-5% 1/8W
R839	61L1206220	CHIP 22OHM 5% 8W
R840	61L1206220	CHIP 22OHM 5% 8W
R841	61L0805221	CHIPR 220 OHM +-5% 1/8W
R842	61L0805100	CHIPR 10 OHM+-5% 1/8W
R843	61L0805102	CHIPR 1K OHM +-5% 1/8W
R900	61L1206334	330K 1/4W
R901	61L1206334	330K 1/4W
R902	61L1206334	330K 1/4W
R903	61L1206434	430K 1206 1/4W 5%
R904	61L1206434	430K 1206 1/4W 5%
R905	61L1206434	430K 1206 1/4W 5%
R906	61L1206514	CHIPR 510KOHM +-5% 1/4W
R907	61L1206514	CHIPR 510KOHM +-5% 1/4W
R908	61L1206514	CHIPR 510KOHM +-5% 1/4W
R910	61L1206229	CHIP 2.2OHM 5% 1/8W
R911	61L0805104	CHIPR 100K OHM+-5% 1/8W
R914	61L0805103	CHIPR 10K OHM +-5% 1/8W
R915	61L0805103	CHIPR 10K OHM +-5% 1/8W
R917	61L0805101	CHIPR 100 OHM +-5% 1/8W
R918	61L0805753	75K 1/8W
R919	61L0805104	CHIPR 100K OHM+-5% 1/8W
R924	61L0805360 1F	CHIP 3.6KOHM 1/8W 1%

R925	61L0805102	CHIPR 1K OHM +-5% 1/8W
R926	61L0805330 2F	CHIP 33KOHM 1/8W 1%
R927	61L0805102	CHIPR 1K OHM +-5% 1/8W
R929	61L0805240 1F	CHIPR 2.4KOHM +-1% 1/8W
RJ801	61L1206000	RST SM 1206 JUMP MAX 0R
RJ802	61L1206000	RST SM 1206 JUMP MAX 0R
RJ803	61L1206000	RST SM 1206 JUMP MAX 0R
RJ804	61L1206000	RST SM 1206 JUMP MAX 0R
RJ805	61L1206000	RST SM 1206 JUMP MAX 0R
RJ807	61L0805000	CHIP O OHM 1/8W
RJ808	61L1206000	RST SM 1206 JUMP MAX 0R
ZD801	93G 39S 24 T	RLZ 5.6B LLDS
ZD920	93G 39S 38 T	PTZ 9.1B
ZD921	93G 39S 40 T	RLZ 13B LLDS
ZD922	93G 39S 25 T	RLZ5.1B LLDS
	715G1775 1	PCB
C903	6G 31502	1.5MM RIVET
C904	65G 1K152 1T	1.5NF/1KV Z5F+-10%
C906	67G 2152207NT	KY50VB22M-TP5 5*11
C920	65G517K102 5T	1000PF 10% Y5P 500V
C921	65G517K102 5T	1000PF 10% Y5P 500V
C931	65G 450104 4T	0.1UF Z5V 50V
D900	93G1100 1052T	BA159G
F901	84G 56 1	FUSE 2A 250V WICKMANN
IC903	56G 158 10 T	AZ431AZ-AE1
IC921	56G 158 10 T	AZ431AZ-AE1
L902	6G 31502	1.5MM RIVET
NR901	6G 31502	1.5MM RIVET
PT801	6G 31502	1.5MM RIVET
PT802	6G 31502	1.5MM RIVET
Q921	57G 419501 T	KTC945P
Q922	57G 760 8 T	KRC102M-ATP
R822	61G212Y625 KT	MGFR 6.2MOHM +-5% 1/2W
R832	61G212Y625 KT	MGFR 6.2MOHM +-5% 1/2W
R912	61G 17210052T	100HM 5% 1/4W
R913	61G 17210252T	1K OHM 5% 1/4W
R920	61G175L47052T	47OHM +-5% 1/2W
R921	61G175L47052T	47OHM +-5% 1/2W
R922	61G 17222152T GP	220 OHM 5% 1/4W

R928	61G 17239252T	3.9KOHM 5% 1/4W
R930	61G 60210252T	CFR 1K OHM +-5% 1/6W
R931	61G 60247252T	4.7K OHM 5% 1/6W
T901	6G 31502	1.5MM RIVET
	96G 29 6	SHRINK TUBE UL/CSA
R909	61G152M10458F	100K OHM 5% 2W
	96G 29 6	SHRINK TUBE UL/CSA
R916	61G152M30858F	0.3 OHM 5% 2W
	90G6263 1	HEAT SINK
	M1G1730 8128	SCREW M3x8
D921	93G1506 2	FMW-2156
IC922	56G 563 37	KA278R12CTU TO-220F-4L
	M1G1730 10128	SCREW M3x10
D920	93G 60258	FME-220B
	M1G1730 10128	SCREW M3x10
DB901	93G 50460506	D3SB60
Q900	57G 667 21	STP10NK70ZFP
	34FPE19P03	CASE EEL19
	34FPE19P03	CASE EEL19
	USB780A2SMTP	USB BOARD FOR SMT
C705	67G215L101 4N	KY25VB100M-L 6.3*11
C706	67G215L101 4N	KY25VB100M-L 6.3*11
C707	67G215L101 4N	KY25VB100M-L 6.3*11
C708	67G215L101 4N	KY25VB100M-L 6.3*11
C725	67G215L221 4N	KY25VB220-M-L8*11.5MM
C728	67G215Y100 7N	KY50VB10M-L 5*11
C734	67G215L470 4N	KY25VB47M-L 5*11
C742	67G215L221 4N	KY25VB220-M-L8*11.5MM
CN701	95G8014 14 33	USB HARNESS 5P
CN702	33G8027 10 H	WAFER 2*5P 2.0MM
CN703	88G 351 2B CL	USB CONN
CN704	88G 350 1 TN	USB CONN
L701	73G 253127 L	CC-010730
X701	93G 22 45 J	24MHZ/30PF/49US
	715G1666 1	USB BOARD
C701	65G0603104 12	CER2 0603 X7R 16V 100N
C702	65G0603104 12	CER2 0603 X7R 16V 100N
C703	65G0603220 31	CER1 0603 NP0 50V 22P P
C704	65G0603220 31	CER1 0603 NP0 50V 22P P

C709	65G0603103 32	0.01UF +-10% 50V X7R
C710	65G0603103 32	0.01UF +-10% 50V X7R
C711	65G0603103 32	0.01UF +-10% 50V X7R
C712	65G0805475 A5	0805 4.7UF +-10% 10V X5
C713	65G0603103 32	0.01UF +-10% 50V X7R
C714	65G0805475 A5	0805 4.7UF +-10% 10V X5
C715	65G0603103 32	0.01UF +-10% 50V X7R
C716	65G0603103 32	0.01UF +-10% 50V X7R
C717	65G0603103 32	0.01UF +-10% 50V X7R
C718	65G0603103 32	0.01UF +-10% 50V X7R
C719	65G0603103 32	0.01UF +-10% 50V X7R
C720	65G0805475 A5	0805 4.7UF +-10% 10V X5
C721	65G0603104 12	CER2 0603 X7R 16V 100N
C722	65G0603104 12	CER2 0603 X7R 16V 100N
C723	65G0603104 12	CER2 0603 X7R 16V 100N
C724	65G0603104 12	CER2 0603 X7R 16V 100N
C727	65G0603104 12	CER2 0603 X7R 16V 100N
C731	65G0603103 32	0.01UF +-10% 50V X7R
C733	65G0603104 12	CER2 0603 X7R 16V 100N
C736	65G0603104 12	CER2 0603 X7R 16V 100N
C741	65G0603104 12	CER2 0603 X7R 16V 100N
D701	93G5004 1	SR54 T0-214AA
F701	61G 56075 WT	PTC KMC 5S075R001-0.75M
F702	61G 56075 WT	PTC KMC 5S075R001-0.75M
F703	61G 56075 WT	PTC KMC 5S075R001-0.75M
F704	61G 56075 WT	PTC KMC 5S075R001-0.75M
FB701	71G 56K121	CHIP BEAD
FB702	71G 56K121	CHIP BEAD
FB703	71G 56K121	CHIP BEAD
FB704	71G 56K121	CHIP BEAD
FB705	71G 56K121	CHIP BEAD
FB706	71G 56Z601	CHIP BEAD 600 OHM 0805
FB707	71G 56K121	CHIP BEAD
L702	73G253S 1 B	CHOKE COIL
L703	73G253S 1 B	CHOKE COIL
L704	73G253S 1 B	CHOKE COIL
L705	73G253S 1 B	CHOKE COIL
L706	73G253S 1 B	CHOKE COIL
R701	61L0603104	RST SM 0603 RC0603 100K

R702	61L0603104	RST SM 0603 RC0603 100K
R703	61L0603104	RST SM 0603 RC0603 100K
R704	61L0603103	RST SM 0603 RC0603 10K
R705	61L0603391	CHIP 390 OHM 1/10W
R706	61L0603103	RST SM 0603 RC0603 10K
R707	61L0603103	RST SM 0603 RC0603 10K
R708	61L0603105	RST SM 0603 RC0603 1M P
R709	61L0603113 2F	CHIPR 11.3 KOHM +-1% 1/
R710	61L0603103	RST SM 0603 RC0603 10K
R711	61L0603153	CHIPR 15KOHM+-5% 1/10W
R712	61L0603103	RST SM 0603 RC0603 10K
R713	61L0603153	CHIPR 15KOHM+-5% 1/10W
R714	61L0603103	RST SM 0603 RC0603 10K
R715	61L0603153	CHIPR 15KOHM+-5% 1/10W
R716	61L0603103	RST SM 0603 RC0603 10K
R717	61L0603153	CHIPR 15KOHM+-5% 1/10W
R740	61L0603000	RST SM 0603 JUMP MAX 0R
R741	61L0603000	RST SM 0603 JUMP MAX 0R
R745	61L0603103	RST SM 0603 RC0603 10K
R746	61L0603221	RST SM 0603 RC0603 220R
R747	61L0603103	RST SM 0603 RC0603 10K
R749	61L0603103	RST SM 0603 RC0603 10K
R750	61L0603362	CHIP 3.6K OHM 1/10W
R753	61L0603123	CHIP 12K OHM 1/10W
R754	61L0603222	RST SM 0603 RC0603 2K2
R755	61L0603103	RST SM 0603 RC0603 10K
U701	56G 659 2	IC USB CTRL USB2504 TQF
U702	56G 563 57	AP1510SA
U703	56G 585 4	AIC1117-33CY
ZD701	93G 64 49 SU	EGA10603 V05
ZD702	93G 64 49 SU	EGA10603 V05
ZD703	93G 64 49 SU	EGA10603 V05
ZD704	93G 64 49 SU	EGA10603 V05
ZD705	93G 64 49 SU	EGA10603 V05
ZD706	93G 64 49 SU	EGA10603 V05
ZD707	93G 64 49 SU	EGA10603 V05
ZD708	93G 64 49 SU	EGA10603 V05
ZD709	93G 64 49 SU	EGA10603 V05
ZD710	93G 64 49 SU	EGA10603 V05

	715G1665 1 2	PCB
C732	65G601M104 7T	0.1UF +-20% 50V Y5V
C733	65G601M104 7T	0.1UF +-20% 50V Y5V
CN705	88G 352 2 CL	USB COW
CN706	88G 352 2 CL	USB COW
CN707	95G8014 10 31	WAFER 10P RIGHT ANGLE P
	12G6201 1	L TYPE RUBBER
	12G6202 1	V TYPE RUBBER
	15G8185 1	HOLDER BRACKET R
	15G8186 1	HOLDER BRACKET L
	15G8272 1	VESA BRACKT
	19G 588 3	SPRING HOLDER
	20G 027 1 B	STAND HOLDER
	20G 039 1	BASE DIE CAST
	33G4947 VH L	RISER ARM COVER
	33G4948 SN L	HINGE LUCK BUUTON
	33G5011 VH B	HINGE COVER F
	33G5012 SN B	TILP COVER
	34G1742 SN B	VESA COVER
	34G1745 VH B	HINGE-COVER-F
	34G1746 SN B	STAND-F
	34G1747 SN B	STNAD-B
	34G1748 VH B	BASE
	34G1749 SN B	BASE COVER
	37G 551 1	HINGE ASS'Y(17")
	52G6025 11900	MYLAR FOR STAND HOLDER
	85G 719 1 B	SHIELD COVER
	M1G 130 5120	SCREW
	M1G 130 6 47	SCREW
	M1G 140 5225	SCREW 4X5MM
	Q1G 130 5120	SCREW 3*5mm
	Q1G 130 6120	SCREW (T3X6)
	Q1G 130 8 47	SCREW
	Q1G 330 6120	SCREW
	33F206H24JWT0	A2006H00-2*12PHK
	33F206T2JWTOP	A2006TOP-2
	33F303SM24K30	PK2407P30/TD00-30LH
	33F303TTD1	TD00-T
	71F 100510 HS	FERRITE CORE

T780KSCDKRDMUP

Location	Part No. for TPV	Description
	011G6070 1 GP	TIE MOUNTS
	011G6092 1	FIX BUTTON
M015	015G8265 1	MAIN FRAME-SAM
	023G3178700 5A	LOGO
	026G 800700 6A	S/N LABEL
	033G4885 VH L	BUTTON RELEASE
	033G4940AVI L	BUTTON FUNETION
	034G1738ASN B	BEZEL
	034G1739 SN B	REAR COVER
	034G1740 VH B	REAR VENT L
	034G1741 VH B	REAR VENT R
	040G 17N700 4A	RATING LABEL
	040G 581700 3A6813	CARTON LABEL
	041G780070039B	PIG
	041G780070044A	DVI SHEET
	044G3784 1	EPS(L)
	044G3784 2	EPS(R)
	044G3784 3	EPS(M)
	044G600210A	PAPER BOARD
	044G9003 96	CORNER PAPER
	044G9003120	COMER PAPER
	044GSLIP10018A	PLASTIC SLIP SHEET
	045G 88609 26	EPE BAG FOR BASE
	045G 88609 27	EPE BAG FOR MONITOR
	052G 1186	SMALL TAPE
	052G6020 2DEA	FILM PROTET
	052G6022 1500	SMALL TAPE
	052G6025 11936	MYLAR
	085G 720 1	SHIELD USB
	089G 175 9	USB CABLE
E089B	089G 728GAA 2D	SIGNAL CABLE
E089D	089G174ELAA 1	DVI CABLE
	089G402A18NISD	POWER CORD
E095	095G8018 30100	PANEL HARNESS
	0M1G 130 4120	SCREW M3X5
	0M1G 130 5120	SCREW
	0M1G 130 5225	SCREW

	0M1G 330 4128	SCREW M3X4
	0M1G1730 6128	SCREW M3x6
	0M1G1740 6128	SCREW
	0M1G1830 5120	SCREW
	0M1G2940 10225	SCREW
	0Q1G6019 1	SCREW
E750L	750GLS70U2112Z	SEC 17" ZBD PANEL
	CBPC780KSCDRP	CONVERSION BOARD
	KEPC780KE2P	KEY BOARD
	PWPC1742SED3P	POWER BOARD
	Q41G780070041C	QSG FOR W
	Q44G3784700 2B	CARTON
	Q52G6025 13 4	MYLAR
	Q70G1700700 4D	CD MANUAL
M085	S85G7191C	FP ASS'Y
	USB780A2P	USB BOARD
	USB780A3P	USB BOARD
	012G6201 1	L TYPE RUBBER
	012G6202 1	V TYPE RUBBER
	015G8272 1	VESA BRACKT
	020G 039 1	BASE DIE CAST
	033G4947 VH L	RISER ARM COVER
	033G4948 SN L	HINGE LUCK BUUTON
	033G5011 VH B	HINGE-COVER-F
	033G5012 SN B	TILP COVER
	034G1742 SN B	VESA COVER
	034G1745 VH B	HINGE-COVER-B
	034G1746 SN B	STAND-F
	034G1747 SN B	STNAD-B
	034G1748 VH B	BASE
	034G1749 SN B	BASE COVER
	037G 551 1	HINGE ASS'Y(17")
	0M1G 130 6 47	SCREW
	0M1G 140 5225	SCREW 4X5MM
	0Q1G 130 5120	SCREW 3*5mm
	0Q1G 130 8 47	SCREW
	0Q1G 330 6120	SCREW
CN403	033G8019 8C	FPC/FFC CONN
CN601	033G8027 12	WAFER 2*6P 2.0MM R/A

CN401	033G8027 14	WAFER 14P 2.0MM DIP DUAL ROW
CN501	033G8043 24 H	CONNECTER
	040G 457624 1B	LABEL-CPU
	040G 45762412B	CBPC LABEL
C601	067G215L221 4N	KY25VB220-M-L8*11.5MM
C602	067G215L221 4N	KY25VB220-M-L8*11.5MM
C611	067G215L221 4N	KY25VB220-M-L8*11.5MM
C615	067G215Y2207RV	RUBYCON 50V 22UF
C610	067G215Y2207RV	RUBYCON 50V 22UF
C609	067G215Y2207RV	RUBYCON 50V 22UF
C501	067G215Y2207RV	RUBYCON 50V 22UF
C325	067G215Y2207RV	RUBYCON 50V 22UF
C319	067G215Y2207RV	RUBYCON 50V 22UF
C316	067G215Y2207RV	RUBYCON 50V 22UF
C309	067G215Y2207RV	RUBYCON 50V 22UF
C301	067G215Y2207RV	RUBYCON 50V 22UF
CN202	088G 35315F H	D-SUB 15PIN
CN201	088G 35424F H	DV1 CONNECTOR 24PIN
X301	093G 22 53 H	14.31818MHZ/30PF/49US
	AIC780KSCDRP	MAIN BOARD
CN1	089G176F 8 9	FFC CABLE HONGFU
	AIK780KE2SMTP	KEY BOARD FOR SMT
CN804	033G8021 2D AC	CONN.2P R/A 87210-0236 DIP BY
CN803	033G8021 2D AC	CONN.2P R/A 87210-0236 DIP BY
CN802	033G8021 2D AC	CONN.2P R/A 87210-0236 DIP BY
CN801	033G8021 2D AC	CONN.2P R/A 87210-0236 DIP BY
	040G 45762420A	LABEL 25x6mm
	051G 6 4503	RTV
IC902	056G 139 3A	PC123Y22FZOF
NR901	061G 58080 WT	8 OHM NCT
C900	063G 10747410S	CAPACITANCE
C825	065G 3J1206ET	12PF 5% SL 3KV TDK
C816	065G 3J1206ET	12PF 5% SL 3KV TDK
C826	065G 3J5096ET	5PF 5% SL 3KV
C817	065G 3J5096ET	5PF 5% SL 3KV
C902	065G305M2222EM	2200PF+-20% 250VAC/400VAC
C901	065G305M2222EM	2200PF+-20% 250VAC/400VAC
C932	065G306M4722BM GP	4700PF +-20% 400VAC
C903	067G215L10115N	EC CAP 105。 C 100UF 450V

C922	067G215L102 4N	KY25VB1000M-L 12.5*20
C923	067G215L102 4N	KY25VB1000M-L 12.5*20
C924	067G215L102 4N	KY25VB1000M-L 12.5*20
C935	067G215L471 4N	KY25VB470M-L10*16
C811	067G215L471 4N	KY25VB470M-L10*16
C820	067G215L471 4N	KY25VB470M-L10*16
C925	067G215L471 4N	KY25VB470M-L10*16
C926	067G215L471 4N	KY25VB470M-L10*16
	071G 55 30	FERRITE BEAD 4.0*2*3
L922	073G 253 91 T	CHOKE
L921	073G 253 91 T	CHOKE
CN901	087G 501 32 S	AC SOCKET
CN903	088G 304 8K C	DC JACK
D901	093G1020 752T	UF4003
CN902	095G8013 12 13	WIRE HARNESS
	705G 780 61 26	R909 ASS'Y
	705G 780 61 27	R916 ASS'Y
	705G 780 93 26	D921/IC922 ASS'Y
	705G 780 93 27	D920 ASS'Y
	705G 780 93 28	DB901/Q900 ASS'Y
	PW1742SED3SMTP	POWER BOARD
L901	S73G17476V	FILTER
L902	S73G17477V	FILTER
T901	S80GL17T32V1W	TRANSFORMER
PT802	S80GL19T8V1	TRANSFORMER
PT801	S80GL19T8V1	TRANSFORMER
	085F 719 1	BRACKET
	020F 027 1B	DIECASTING
	019F 588 3	SPRING
	015F8185 1	BRACKET
	015F8186 1	BRACKET
	0M1F 130 4 47	SCREW
CN702	033G8027 10 H	WAFER 2*5P 2.0MM
C708	067G215L101 4N	KY25VB100M-L 6.3*11
C707	067G215L101 4N	KY25VB100M-L 6.3*11
C705	067G215L101 4R	LOW E.S.R 100UF +/-20% 25V
C706	067G215L101 4R	LOW E.S.R 100UF +/-20% 25V
C725	067G215L221 4N	KY25VB220-M-L8*11.5MM
C742	067G215L221 4N	KY25VB220-M-L8*11.5MM

C734	067G215L470 4N	KY25VB47M-L 5*11
C728	067G215Y100 7N	KY50VB10M-L 5*11
CN704	088G 350 1 TN	USB CONN
CN703	088G 3512B1 CL	USB CONN BLACK
X701	093G 22 45 J	24MHZ/30PF/49US
CN701	095G8014 14 33	USB HARNESS 5P
L701	S73G253127V	TRANSFORMER
	USB780A2SMTP	USB BOARD
CN705	088G 352 2 CL	USB COW
CN706	088G 352 2 CL	USB COW
CN707	095G8014 10 31	WAFER 10P RIGHT ANGLE PITCH 2.
	USB780A3AIP	USB BOARD FOR AI
U401	056G 562 97	GM 5621-LF-AA
U601	056G 563 21	AP1084K33LA
U602	056G 563 31	AI1117D-1.8-EI
U302	056G 643 13	G691L400T73UF SOT-23 GMT
U201	056G1133 34	M24C02-WMN6TP
U202	056G1133 34	M24C02-WMN6TP
U403	056G1133 56	M24C16-WMN6TP
U402	056G1133 59SD3	SST25VF010-20-4C-SAE S01C-8
Q603	057G 417 12 T	KEC 2N3904S-RTK/PS
Q601	057G 417 12 T	KEC 2N3904S-RTK/PS
Q404	057G 417 12 T	KEC 2N3904S-RTK/PS
Q403	057G 417 12 T	KEC 2N3904S-RTK/PS
Q201	057G 758 1	2N7002ESOT23 SILICONIX
Q602	057G 763 1	A03401 SOT23 BY AOS(A1)
R614	061L0603000	RST SM 0603 JUMP MAX 0R05 R
R613	061L0603000	RST SM 0603 JUMP MAX 0R05 R
R606	061L0603000	RST SM 0603 JUMP MAX 0R05 R
R429	061L0603000	RST SM 0603 JUMP MAX 0R05 R
R428	061L0603000	RST SM 0603 JUMP MAX 0R05 R
R331	061L0603000	RST SM 0603 JUMP MAX 0R05 R
R243	061L0603000	RST SM 0603 JUMP MAX 0R05 R
R301	061L0603100	CHIP 10 OHM 1/10W
R209	061L0603100	CHIP 10 OHM 1/10W
R208	061L0603100	CHIP 10 OHM 1/10W
R207	061L0603100	CHIP 10 OHM 1/10W
R206	061L0603100	CHIP 10 OHM 1/10W
R205	061L0603100	CHIP 10 OHM 1/10W

R204	061L0603100	CHIP 10 OHM 1/10W
R203	061L0603100	CHIP 10 OHM 1/10W
R202	061L0603100	CHIP 10 OHM 1/10W
R407	061L0603101	CHIPR 100 OHM +-5% 1/16W
R408	061L0603101	CHIPR 100 OHM +-5% 1/16W
R215	061L0603101	CHIPR 100 OHM +-5% 1/16W
R216	061L0603101	CHIPR 100 OHM +-5% 1/16W
R228	061L0603101	CHIPR 100 OHM +-5% 1/16W
R232	061L0603101	CHIPR 100 OHM +-5% 1/16W
R311	061L0603101	CHIPR 100 OHM +-5% 1/16W
R310	061L0603101	CHIPR 100 OHM +-5% 1/16W
R309	061L0603101	CHIPR 100 OHM +-5% 1/16W
R222	061L0603101	CHIPR 100 OHM +-5% 1/16W
R224	061L0603101	CHIPR 100 OHM +-5% 1/16W
R230	061L0603101	CHIPR 100 OHM +-5% 1/16W
R604	061L0603102	CHIPR 1K OHM +-5% 1/16W
R603	061L0603102	CHIPR 1K OHM +-5% 1/16W
R602	061L0603102	CHIPR 1K OHM +-5% 1/16W
R417	061L0603103	CHIPR 10K OHM +-5% 1/16W
R416	061L0603103	CHIPR 10K OHM +-5% 1/16W
R322	061L0603103	CHIPR 10K OHM +-5% 1/16W
R214	061L0603103	CHIPR 10K OHM +-5% 1/16W
R211	061L0603103	CHIPR 10K OHM +-5% 1/16W
R201	061L0603103	CHIPR 10K OHM +-5% 1/16W
R418	061L0603103	CHIPR 10K OHM +-5% 1/16W
R210	061L0603221	CHIPR 220 OHM+-5% 1/16W
R237	061L0603221	CHIPR 220 OHM+-5% 1/16W
R238	061L0603221	CHIPR 220 OHM+-5% 1/16W
R239	061L0603221	CHIPR 220 OHM+-5% 1/16W
R411	061L0603221	CHIPR 220 OHM+-5% 1/16W
R412	061L0603221	CHIPR 220 OHM+-5% 1/16W
R413	061L0603221	CHIPR 220 OHM+-5% 1/16W
R414	061L0603221	CHIPR 220 OHM+-5% 1/16W
R415	061L0603221	CHIPR 220 OHM+-5% 1/16W
R240	061L0603222	CHIPR 2.2K OHM+-5% 1/16W
R241	061L0603222	CHIPR 2.2K OHM+-5% 1/16W
R217	061L0603223	CHIPR 22K OHM +-5% 1/16W
R420	061L0603223	CHIPR 22K OHM +-5% 1/16W
R421	061L0603223	CHIPR 22K OHM +-5% 1/16W

R302	061L0603249 0F	CHIP 249OHM 1/16W 1%
R419	061L0603303	CHIP 30K OHM 5% 1/16W
R422	061L0603303	CHIP 30K OHM 5% 1/16W
R218	061L0603333	CHIP 33K OHM 1/16W
R315	061L0603472	CHIPR 4.7K OHM +-5% 1/16W
R308	061L0603472	CHIPR 4.7K OHM +-5% 1/16W
R307	061L0603472	CHIPR 4.7K OHM +-5% 1/16W
R306	061L0603472	CHIPR 4.7K OHM +-5% 1/16W
R305	061L0603472	CHIPR 4.7K OHM +-5% 1/16W
R410	061L0603472	CHIPR 4.7K OHM +-5% 1/16W
R409	061L0603472	CHIPR 4.7K OHM +-5% 1/16W
R601	061L0603472	CHIPR 4.7K OHM +-5% 1/16W
R501	061L0603472	CHIPR 4.7K OHM +-5% 1/16W
R431	061L0603472	CHIPR 4.7K OHM +-5% 1/16W
R430	061L0603472	CHIPR 4.7K OHM +-5% 1/16W
R424	061L0603472	CHIPR 4.7K OHM +-5% 1/16W
R324	061L0603472	CHIPR 4.7K OHM +-5% 1/16W
R323	061L0603472	CHIPR 4.7K OHM +-5% 1/16W
R318	061L0603472	CHIPR 4.7K OHM +-5% 1/16W
R317	061L0603472	CHIPR 4.7K OHM +-5% 1/16W
R316	061L0603472	CHIPR 4.7K OHM +-5% 1/16W
R242	061L0603472	CHIPR 4.7K OHM +-5% 1/16W
R227	061L0603472	CHIPR 4.7K OHM +-5% 1/16W
R226	061L0603472	CHIPR 4.7K OHM +-5% 1/16W
R213	061L0603472	CHIPR 4.7K OHM +-5% 1/16W
R212	061L0603472	CHIPR 4.7K OHM +-5% 1/16W
R609	061L0603473	RST SM 0603 RC0603 47K PM5 R
R608	061L0603473	RST SM 0603 RC0603 47K PM5 R
R605	061L0603473	RST SM 0603 RC0603 47K PM5 R
R235	061L0603750 9F	75OHM 1% 1/10W
R234	061L0603750 9F	75OHM 1% 1/10W
R233	061L0603750 9F	75OHM 1% 1/10W
R229	061L0603750 9F	75OHM 1% 1/10W
R223	061L0603750 9F	75OHM 1% 1/10W
R220	061L0603750 9F	75OHM 1% 1/10W
C201	065G0603102 32	1000PF +-10% 50V X7R
C404	065G0603102 32	1000PF +-10% 50V X7R
C405	065G0603102 32	1000PF +-10% 50V X7R
C406	065G0603102 32	1000PF +-10% 50V X7R

C407	065G0603102 32	1000PF +-10% 50V X7R
C216	065G0603103 32	0.01UF +-10% 50V X7R
C215	065G0603103 32	0.01UF +-10% 50V X7R
C213	065G0603103 32	0.01UF +-10% 50V X7R
C212	065G0603103 32	0.01UF +-10% 50V X7R
C211	065G0603103 32	0.01UF +-10% 50V X7R
C210	065G0603103 32	0.01UF +-10% 50V X7R
C324	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C323	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C322	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C321	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C320	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C318	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C317	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C314	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C313	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C312	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C311	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C310	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C326	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C502	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C408	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C401	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C333	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C332	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C330	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C603	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C604	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C608	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C612	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C613	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C614	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C209	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C214	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C219	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C220	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C221	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C222	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C302	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R

C303	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C304	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C305	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C306	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C307	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C308	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C218	065G0603220 31	CER1 0603 NP0 50V 22P PM5 R
C217	065G0603220 31	CER1 0603 NP0 50V 22P PM5 R
C331	065G0603224 12	CHIP 0.22UF +-10% 16V X7R
C618	065G0603224 17	CAP:CER 0.22UF-20%-80% 10V SM
C328	065G0603330 31	CER1 0603 NP0 50V 33P PM5 R
C327	065G0603330 31	CER1 0603 NP0 50V 33P PM5 R
L307	071G 56K121 M	CHIP BEAD
L306	071G 56K121 M	CHIP BEAD
L304	071G 56K121 M	CHIP BEAD
L305	071G 56K121 M	CHIP BEAD
L303	071G 56K121 M	CHIP BEAD
L302	071G 56K121 M	CHIP BEAD
L301	071G 56K121 M	CHIP BEAD
FB204	071G 59B431	BK1608 HW 431
FB203	071G 59C600	CHIP BEAD
FB202	071G 59C600	CHIP BEAD
FB201	071G 59C600	CHIP BEAD
D201	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D213	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D212	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D211	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D208	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D207	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D202	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D203	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D204	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D205	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D206	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D209	093G 64 42 P	BAV70 SOT-23
D210	093G 64 42 P	BAV70 SOT-23
ZD301	093G 39P599 T	MM3Z5V6B
ZD212	093G 39P599 T	MM3Z5V6B
ZD211	093G 39P599 T	MM3Z5V6B

ZD210	093G 39P599 T	MM3Z5V6B
ZD209	093G 39P599 T	MM3Z5V6B
ZD208	093G 39P599 T	MM3Z5V6B
ZD207	093G 39P599 T	MM3Z5V6B
ZD204	093G 39P599 T	MM3Z5V6B
ZD203	093G 39P599 T	MM3Z5V6B
ZD202	093G 39P599 T	MM3Z5V6B
ZD201	093G 39P599 T	MM3Z5V6B
	715G1667 1	MAIN BOARD
C02	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C01	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
SW05	077G 605 1 AL GP	SMD SWITCH
SW04	077G 605 1 AL GP	SMD SWITCH
SW03	077G 605 1 AL GP	SMD SWITCH
SW02	077G 605 1 AL GP	SMD SWITCH
SW01	077G 605 1 AL GP	SMD SWITCH
LED01	081G 14501 KT	CHIP LED
ZD07	093G 39P599 T	MM3Z5V6B
ZD06	093G 39P599 T	MM3Z5V6B
ZD05	093G 39P599 T	MM3Z5V6B
ZD04	093G 39P599 T	MM3Z5V6B
ZD03	093G 39P599 T	MM3Z5V6B
ZD02	093G 39P599 T	MM3Z5V6B
ZD01	093G 39P599 T	MM3Z5V6B
	715G1673 1	KEY BOARD
R909	061G152M10458F	100K OHM 5% 2W
	096G 29 6	SHRINK TUBE UL/CSA
R916	061G152M30858F	0.3 OHM 5% 2W
	096G 29 6	SHRINK TUBE UL/CSA
IC922	056G 563 37	KA278R12CTU TO-220F-4L
	090G6263 1	HEAT SINK
D921	093G 60240	YG802C06R TO-220F15
	0M1G1730 8128	SCREW M3x8
	0M1G1730 8128	SCREW M3x8
D920	093G 60258	DIODE FME-220B TO-220 SANKEN
	0M1G1730 10128	SCREW M3x10
Q900	057G 667 21	STP10NK70ZFP
DB901	093G 50460506	D3SB60
	0M1G1730 10128	SCREW M3x10

IC901	056G 379 52	LD7552BS
IC801	056G 608 10	0Z9938
Q801	057G 417 12 T	KEC 2N3904S-RTK/PS
Q802	057G 417 12 T	KEC 2N3904S-RTK/PS
Q803	057G 417 12 T	KEC 2N3904S-RTK/PS
Q806	057G 763 6	AO4828L
Q805	057G 763 6	AO4828L
RJ807	061L0805000	CHIPR 0OHM +-5% 1/10W
R842	061L0805100	CHIPR 10 OHM+-5% 1/10W
R837	061L0805100	CHIPR 10 OHM+-5% 1/10W
R917	061L0805101	CHIPR 100 OHM +-5% 1/10W
R927	061L0805102	CHIPR 1K OHM +-5% 1/10W
R925	061L0805102	CHIPR 1K OHM +-5% 1/10W
R843	061L0805102	CHIPR 1K OHM +-5% 1/10W
R836	061L0805102	CHIPR 1K OHM +-5% 1/10W
R915	061L0805103	CHIPR 10K OHM +-5% 1/10W
R914	061L0805103	CHIPR 10K OHM +-5% 1/10W
R812	061L0805103	CHIPR 10K OHM +-5% 1/10W
R804	061L0805103	CHIPR 10K OHM +-5% 1/10W
R803	061L0805103	CHIPR 10K OHM +-5% 1/10W
R815	061L0805104	CHIPR 100K OHM+-5% 1/10W
R810	061L0805104	CHIPR 100K OHM+-5% 1/10W
R821	061L0805104	CHIPR 100K OHM+-5% 1/10W
R831	061L0805104	CHIPR 100K OHM+-5% 1/10W
R911	061L0805104	CHIPR 100K OHM+-5% 1/10W
R919	061L0805104	CHIPR 100K OHM+-5% 1/10W
R809	061L0805105	CHIP 1M OHM 5% 1/8W
R813	061L0805105	CHIP 1M OHM 5% 1/8W
R829	061L0805150	15 0805
R828	061L0805150	15 0805
R830	061L0805153	CHIPR 15K OHM+-5% 1/8W
R820	061L0805153	CHIPR 15K OHM+-5% 1/8W
R811	061L0805154	CHIP 150KOHM 5% 1/8W
R816	061L0805155	CHIP 1.5M OHM 5% 1/8W
R807	061L0805220	CHIP 22 OHM 5% 0805 1/8W
R841	061L0805221	CHIPR 220 OHM +-5% 1/8W
R826	061L0805222	CHIP 2.2KOHM 5% 0805 1/8W
R929	061L0805240 1F	CHIPR 2.4KOHM +-1% 1/8W
R802	061L0805304	300K OM 1/8W

R926	061L0805330 2F	CHIP 33KOHM 1/8W 1%
R924	061L0805360 1F	CHIP 3.6KOHM 1/8W 1%
R817	061L0805393	SMD 39KOHM/0805/+5% 1/8W
R825	061L0805561	CHIP 560 OHM 1/8W
R835	061L0805561	CHIP 560 OHM 1/8W
R827	061L0805562	CHIP 5.6K OHM 1/10W
R834	061L0805562	CHIP 5.6K OHM 1/10W
R814	061L0805563	CHIP 56K OHM 1/8W
R918	061L0805753	75K 1/8W
R833	061L0805753	75K 1/8W
R823	061L0805753	75K 1/8W
F902	061L1206000	CHIPR 0 OHM +-5% 1/8W
R801	061L1206000	CHIPR 0 OHM +-5% 1/8W
RJ801	061L1206000	CHIPR 0 OHM +-5% 1/8W
RJ802	061L1206000	CHIPR 0 OHM +-5% 1/8W
RJ803	061L1206000	CHIPR 0 OHM +-5% 1/8W
RJ804	061L1206000	CHIPR 0 OHM +-5% 1/8W
RJ805	061L1206000	CHIPR 0 OHM +-5% 1/8W
RJ808	061L1206000	CHIPR 0 OHM +-5% 1/8W
R818	061L1206150	CHIP 15 OHM 5% 1206 1/4W
R819	061L1206150	CHIP 15 OHM 5% 1206 1/4W
R839	061L1206220	CHIP 22OHM 5% 8W
R840	061L1206220	CHIP 22OHM 5% 8W
R910	061L1206229	CHIP 2.2OHM 5% 1/8W
R900	061L1206334	330K 1/4W
R901	061L1206334	330K 1/4W
R902	061L1206334	330K 1/4W
R903	061L1206434	430K 1206 1/4W 5%
R904	061L1206434	430K 1206 1/4W 5%
R905	061L1206434	430K 1206 1/4W 5%
R805	061L1206471	CHIPR 470 OHM+-5% 1/8W
R808	061L1206474	470K OHM 5% 1/4W
R906	061L1206514	CHIPR 510KOHM +-5% 1/4W
R907	061L1206514	CHIPR 510KOHM +-5% 1/4W
R908	061L1206514	CHIPR 510KOHM +-5% 1/4W
C805	065G0805102 32	CHIP 1000P 50VX7R 0805
C807	065G0805103 32	10NF/50V/0805/X7R
C803	065G0805103 32	10NF/50V/0805/X7R
C908	065G0805104 22	0.1UF +-10% 25V X7R 080

C905	065G0805104 32	CHIP 0.1U 50V X7R
C927	065G0805104 32	CHIP 0.1U 50V X7R
C930	065G0805104 32	CHIP 0.1U 50V X7R
C936	065G0805104 32	CHIP 0.1U 50V X7R
C937	065G0805104 32	CHIP 0.1U 50V X7R
C938	065G0805104 32	CHIP 0.1U 50V X7R
C806	065G0805105 22	CHIP 1UF 25V X7R 0805
C812	065G0805152 22	CHIP 0.005UF 25V X7R 0805
C813	065G0805152 22	CHIP 0.005UF 25V X7R 0805
C822	065G0805152 22	CHIP 0.005UF 25V X7R 0805
C823	065G0805152 22	CHIP 0.005UF 25V X7R 0805
C814	065G0805152 31	1.5N/50V
C815	065G0805152 31	1.5N/50V
C907	065G0805221 32	CHIP 220PF 50V X7R 0805
C934	065G0805223 22	CHIP 0.022UF 25V X7R 0805
C804	065G0805225 12	CHIP 2.2UF 15V X7R 0805
C827	065G0805471 31	CHIP 470PF 50V NPO
C818	065G0805471 31	CHIP 470PF 50V NPO
C810	065G0805471 31	CHIP 470PF 50V NPO
C809	065G0805473 32	CHIP 0.047UF 50V X7R
C819	065G0805473 32	CHIP 0.047UF 50V X7R
C808	065G0805682 32	CHIP 6.8UF 50V X7R 0805
FB901	071G 57G301 EA	CHIP BEAD
D804	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D802	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D803	093G 64 42 PP	BAV70 SOT-23
D801	093G 64 42 PP	BAV70 SOT-23
D923	093G 6432S	IN4148W
D922	093G 6432S	IN4148W
ZD801	093G 39S 24 T	RLZ 5.6B LLDS
ZD922	093G 39S 25 T	RLZ5.1B LLDS
ZD920	093G 39S 38 T	PTZ 9.1B
ZD921	093G 39S 40 T	RLZ 13B LLDS
	PW1742SED3AIP	POWER BOARD
	071FPO33101 01	CORE
	034FPE19P03	CASE EEL19
	034FPE19P03	CASE EEL19
U702	056G 563 57	AP1510SA
U703	056G 585 4	AIC1117-33CY

U701	056G 659 2	IC USB CTRL USB2504 TQFP 64P
F704	061G 56075 WT	PTC KMC 5S075R001-0.75MA
F703	061G 56075 WT	PTC KMC 5S075R001-0.75MA
F702	061G 56075 WT	PTC KMC 5S075R001-0.75MA
F701	061G 56075 WT	PTC KMC 5S075R001-0.75MA
R740	061L0603000	RST SM 0603 JUMP MAX 0R05 R
R741	061L0603000	RST SM 0603 JUMP MAX 0R05 R
R755	061L0603103	CHIPR 10K OHM +-5% 1/16W
R749	061L0603103	CHIPR 10K OHM +-5% 1/16W
R747	061L0603103	CHIPR 10K OHM +-5% 1/16W
R745	061L0603103	CHIPR 10K OHM +-5% 1/16W
R716	061L0603103	CHIPR 10K OHM +-5% 1/16W
R714	061L0603103	CHIPR 10K OHM +-5% 1/16W
R712	061L0603103	CHIPR 10K OHM +-5% 1/16W
R710	061L0603103	CHIPR 10K OHM +-5% 1/16W
R707	061L0603103	CHIPR 10K OHM +-5% 1/16W
R706	061L0603103	CHIPR 10K OHM +-5% 1/16W
R704	061L0603103	CHIPR 10K OHM +-5% 1/16W
R701	061L0603104	RST SM 0603 RC0603 100K PM5 R
R702	061L0603104	RST SM 0603 RC0603 100K PM5 R
R703	061L0603104	RST SM 0603 RC0603 100K PM5 R
R708	061L0603105	RST SM 0603 RC0603 1M PM5 R
R709	061L0603113 2F	CHIPR 11.3 KOHM +-1% 1/10W
R753	061L0603123	CHIP 12K OHM 1/16W
R711	061L0603153	CHIPR 15KOHM+-5% 1/10W
R713	061L0603153	CHIPR 15KOHM+-5% 1/10W
R715	061L0603153	CHIPR 15KOHM+-5% 1/10W
R717	061L0603153	CHIPR 15KOHM+-5% 1/10W
R746	061L0603221	CHIPR 220 OHM+-5% 1/16W
R754	061L0603222	CHIPR 2.2K OHM+-5% 1/16W
R750	061L0603362	CHIP 3.6K OHM 1/10W
R705	061L0603391	CHIP 390 OHM 1/10W
C731	065G0603103 32	0.01UF +-10% 50V X7R
C719	065G0603103 32	0.01UF +-10% 50V X7R
C718	065G0603103 32	0.01UF +-10% 50V X7R
C717	065G0603103 32	0.01UF +-10% 50V X7R
C716	065G0603103 32	0.01UF +-10% 50V X7R
C715	065G0603103 32	0.01UF +-10% 50V X7R
C713	065G0603103 32	0.01UF +-10% 50V X7R

C711	065G0603103 32	0.01UF +-10% 50V X7R
C710	065G0603103 32	0.01UF +-10% 50V X7R
C709	065G0603103 32	0.01UF +-10% 50V X7R
C741	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C736	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C733	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C727	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C724	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C723	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C722	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C721	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C702	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C701	065G0603104 12	CER2 0603 X7R 16V 100N PM10 R
C704	065G0603220 31	CER1 0603 NP0 50V 22P PM5 R
C703	065G0603220 31	CER1 0603 NP0 50V 22P PM5 R
C712	065G0805475 A5	0805 4.7UF +-10% 10V X5R
C714	065G0805475 A5	0805 4.7UF +-10% 10V X5R
C720	065G0805475 A5	0805 4.7UF +-10% 10V X5R
FB707	071G 56K121 M	CHIP BEAD
FB705	071G 56K121 M	CHIP BEAD
FB704	071G 56K121 M	CHIP BEAD
FB703	071G 56K121 M	CHIP BEAD
FB702	071G 56K121 M	CHIP BEAD
FB701	071G 56K121 M	CHIP BEAD
FB706	071G 56Z601 M	CHIP BEAD 600OHM
L706	073G253S 1 B	CHOKE COIL
L705	073G253S 1 B	CHOKE COIL
L704	073G253S 1 B	CHOKE COIL
L703	073G253S 1 B	CHOKE COIL
L702	073G253S 1 B	CHOKE COIL
ZD710	093G 64 49 SU	EGA10603 V05
ZD709	093G 64 49 SU	EGA10603 V05
ZD708	093G 64 49 SU	EGA10603 V05
ZD707	093G 64 49 SU	EGA10603 V05
ZD706	093G 64 49 SU	EGA10603 V05
ZD705	093G 64 49 SU	EGA10603 V05
ZD704	093G 64 49 SU	EGA10603 V05
ZD703	093G 64 49 SU	EGA10603 V05
ZD702	093G 64 49 SU	EGA10603 V05

ZD701	093G 64 49 SU	EGA10603 V05
D701	093G5004 1	SR54 T0-214AA
	715G1666 1	USB BOARD
C732	065G601M104 7T	0.1UF +-20% 50V Y5V
C733	065G601M104 7T	0.1UF +-20% 50V Y5V
	715G1665 1 2	PCB
T901	006G 31502	1.5MM RIVET
PT802	006G 31502	1.5MM RIVET
PT801	006G 31502	1.5MM RIVET
L902	006G 31502	1.5MM RIVET
C903	006G 31502	1.5MM RIVET
NR901	006G 31502	1.5MM RIVET
IC903	056G 158 10 T	IC AZ431AZ-AE1 TO-92 BY AAC
IC921	056G 158 10 T	IC AZ431AZ-AE1 TO-92 BY AAC
Q921	057G 419501 T	KTC945P
Q922	057G 760 8 T	KRC102M-ATP
R912	061G 17210052T	100HM 5% 1/4W
R913	061G 17210252T	1K OHM 5% 1/4W
R922	061G 17222152T GP	220 OHM 5% 1/4W
R928	061G 17239252T	3.9KOHM 5% 1/4W
R930	061G 60210252T	CFR 1K OHM +-5% 1/6W
R931	061G 60247252T	4.7K OHM 5% 1/6W
R920	061G175L47052T	47OHM +-5% 1/2W
R921	061G175L47052T	47OHM +-5% 1/2W
R822	061G212Y625 KT	MGFR 6.2MOHM +-5% 1/2W
R832	061G212Y625 KT	MGFR 6.2MOHM +-5% 1/2W
C904	065G 1K152 1T	1.5NF/1KV Z5F+-10%
C931	065G 450104 4T	0.1UF Z5V 50V
C920	065G517K102 5T	1000PF 10% Y5P 500V
C921	065G517K102 5T	1000PF 10% Y5P 500V
C906	067G 2152207NT	KY50VB22M-TP5 5*11
F901	084G 56 1	FUSE 2A 250V WICKMANN
D900	093G1100 1052T	BA159G
J834	095G 90 23	JUMPER
J833	095G 90 23	JUMPER
J832	095G 90 23	JUMPER
J831	095G 90 23	JUMPER
J830	095G 90 23	JUMPER
J829	095G 90 23	JUMPER

J828	095G 90 23	JUMPER
J835	095G 90 23	JUMPER
J850	095G 90 23	JUMPER
J849	095G 90 23	JUMPER
J848	095G 90 23	JUMPER
J847	095G 90 23	JUMPER
J846	095G 90 23	JUMPER
J845	095G 90 23	JUMPER
J844	095G 90 23	JUMPER
J843	095G 90 23	JUMPER
J842	095G 90 23	JUMPER
J841	095G 90 23	JUMPER
J840	095G 90 23	JUMPER
J839	095G 90 23	JUMPER
J838	095G 90 23	JUMPER
J837	095G 90 23	JUMPER
J836	095G 90 23	JUMPER
J820	095G 90 23	JUMPER
J821	095G 90 23	JUMPER
J822	095G 90 23	JUMPER
J823	095G 90 23	JUMPER
J824	095G 90 23	JUMPER
J825	095G 90 23	JUMPER
J826	095G 90 23	JUMPER
	715G1775 2	POWER BOARD

15. Definition Of Pixel Defects

Type 1. 750GLG70E1T 3 LM170E01-TLB3

Dot Defect

Bright Dot

Dots(sub-pixels) which appeared brightly in the screen when the LCM displayed with dark pattern.

- R or B 1 dot -----	3 Max
- Adjacent 2 dots -----	1 Max
- Total amount of Bright dots -----	3 Max
- Minimum distance of Bright dots -----	15mm

Dark Dot

Dots(sub-pixels) which appeared darkly in the screen when the LCM displayed with bright pattern.

- 1 dot -----	4 Max
- Adjacent 2 dots -----	2 Max
- Total amount of Dark dot -----	4 Max
- Minimum distance of Dark dots -----	20mm

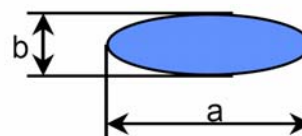
Total amount of Dot Defects -----5 Max(Combination)

- Note) a. Every dot herein means Sub-Pixel(Each Red, Green, or Blue Color)
 b. Damaged less than half size of sub-pixel is not counted as defect
 c. Dots darker than half brightness of sub-pixel are not defined as bright dot defect and dots brighter than half brightness of sub-pixel is not defined as dark dot defect.

Polarizer Defects

Items		Criteria
Scratches	Linear	$0.01 \leq W \leq 0.05, 1 \leq L \leq 10, N \leq 4$
Dent	Circular	$0.2 \leq D \leq 0.5, N \leq 4$

Where, W :Width
 L : Length
 D : Average diameter $= (a+b)/2$



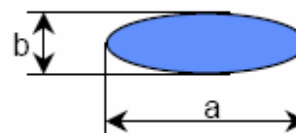
Note) continued

- c. Extraneous substances which can be wiped out, like Finger Print, Particles, are not considered as a defect.
 b. Defects which is on the Black Matrix(outside of Active Area) are not considered as a defect.

Foreign Material

Items	Criteria
Linear	$0.03 \leq W \leq 0.1$, $0.3 \leq L \leq 2.5$, $N \leq 4$
Circular	$0.25 \leq D \leq 1.0$, $N \leq 5$

Where, W : Width
 L : Length
 D : Average diameter $= (a+b)/2$



Line Defect

All kinds of line defects such as vertical, horizontal or cross are not allowed.

Bezel Appearance

Scratches, minor bents, stains, particles on the Bezel frame are not considered as a defect.

Others

Issues which is not defined in this criteria shall be discussed with both parties, Customer and Supplier, for better solution.

TYPE2. 750GLG70E1T41Z D LM170E01-TLB4

Dot Defect

Bright Dot

Dots(sub-pixels) which appeared brightly in the screen when the LCM displayed with dark pattern.

- R,G or B 1 dot	0 Max
- Adjacent 2 dots	0 Max
- Total amount of Bright dots	0 Max
- Minimum distance of Bright dots	NA

Dark Dot

Dots(sub-pixels) which appeared darkly in the screen when the LCM displayed with bright pattern.

- 1 dot	4 Max
- Adjacent 2 dots	2 Max
- Total amount of Dark dot	4 Max
- Minimum distance of Dark dots	15mm

Total amount of Dot Defects -----5 Max (Combination)

Note) a. Every dot herein means Sub-Pixel(Each Red,Green, or Blue Color)

b. Bright dot

- Red or Blue dots smaller than half size of sub-pixel are not counted as a defect dots.

- Green dots smaller than 1 / 3 size of sub-pixel are not counted as a defect dots.

c. Dark dots smaller than half size of sub-pixel are not counted as a defect dots.

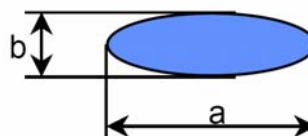
Polarizer Defects

Items		Criteria
Scratches	Linear	$0.01 \leq W \leq 0.1$, $0.3 \leq L \leq 10$, $N \leq 4$
Dent	Circular	$0.15 \leq D \leq 0.5$, $N \leq 3$

Where, W : Width

L : Length

D : Average diameter $= (a+b)/2$



Note) continued

a. Extraneous substances which can be wiped out, like Finger Print, Particles, are not considered as a defect.

b. Defects which is on the Black Matrix(outside of Active Area) are not considered as a defect.

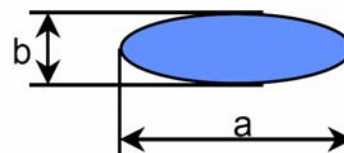
Foreign Material

Items	Criteria
Linear	$0.05 \leq W \leq 0.1$, $0.3 \leq L \leq 4.0$, $N \leq 4$
Circular	$0.15 \leq D \leq 0.5$, $N \leq 4$

Where, W : Width

L : Length

D : Average diameter $= (a+b)/2$

**Line Defect**

All kinds of line defects such as vertical, horizontal or cross are not allowed.

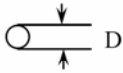
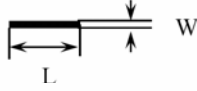
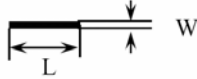
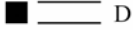
Bezel Appearance

Scratches, minor bents, stains, particles on the Bezel frame are not considered as a defect.

Others

Issues which is not defined in this criteria shall be discussed with both parties, Customer and Supplier, for better solution.

Type 3. 750GLS70U2112Z / 750GLS70U2122Z LTM170EU-L21

Defect Type	Accept (mm)	Reject (mm)
Dark / bright spot ^{*1} (foreign material, Stain, Dust) 	$0.1 < D \leq 0.8$ $N \leq 4$	$D > 0.8$ $N > 4$
Bright line (light lint), or dark line (dark lint / hair) 	$0.01 < W \leq 0.08$ $0.3 < L \leq 2.0$ $N \leq 4$	$W > 0.08$ $L > 2.0$ $N > 4$
Polarizer scratch 	$0.01 < W \leq 0.1$ $0.3 < L \leq 5.0$ $N \leq 3$	$W > 0.1$ $L > 5.0$ $N > 3$
Polarizer dent/bubble 	$D \leq 0.8$ $N \leq 3$	$D > 0.8$ $N > 3$
Maximum allowable number of defects	$N \leq 10$	$N > 10$

[D : diameter, W : width, L : length, N : count]

^{*1} : Translucent edge is ignored in measuring the diameter of spot.

Defect Type	Accept	Reject
<i>Bright dot (Fig. 1)</i>		
Random	$N \leq 0$	$N > 0$
Two Adjacent	$N \leq 0$	$N > 0$
Three Adjacent	$N \leq 0$	$N > 0$
<i>Dark dot (Fig. 2)</i>		
Random	$N \leq 5$	$N > 5$
Two Adjacent	$N \leq 2$	$N > 2$
Three Adjacent	$N \leq 1$	$N > 1$
<i>Maximum allowable number of dot defect</i>	$N \leq 5$	$N > 5$
<i>Minimum distance between defects, (Fig. 3)</i>		
<i>dark dot - to - dark dot</i>	$L \geq 5\text{mm}$	$L < 5\text{mm}$

[L : length, N : count]

Definitions/ Notes:

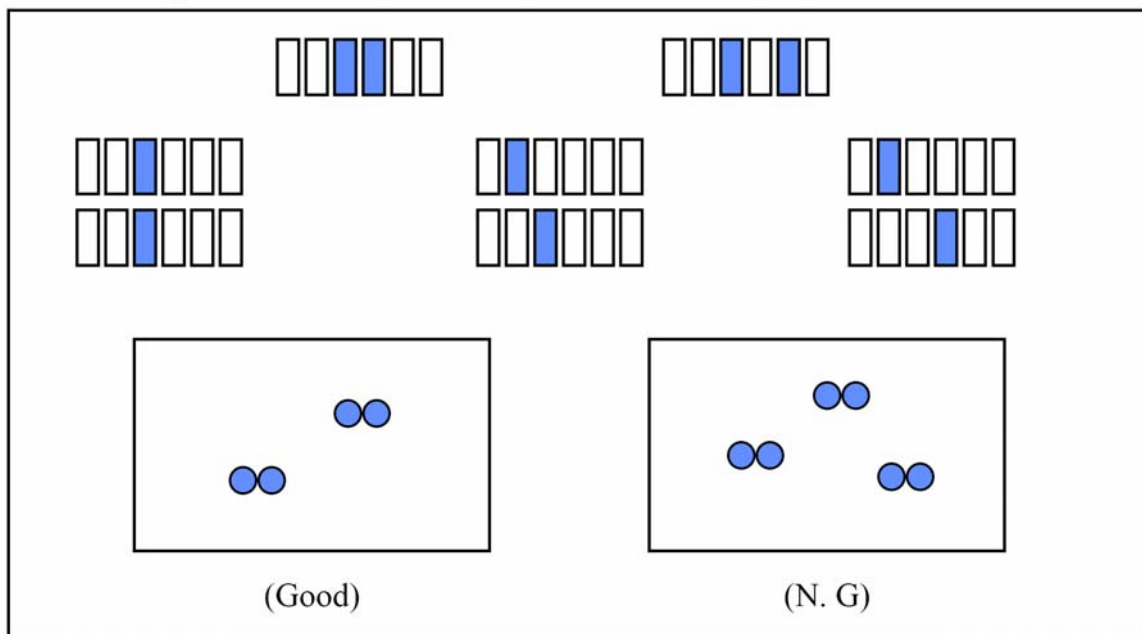
-A bright dot any Red, Green, or Blue pixel suck in the “On” mode.

Refer to the “Fig. 1” for detail information of bright dot defect definition.

- A dark dot any Red, Green, or Blue pixel suck in the “Off” mode.

Fig. 2. Dark dot defect description

【two adjacent】



【three adjacent】

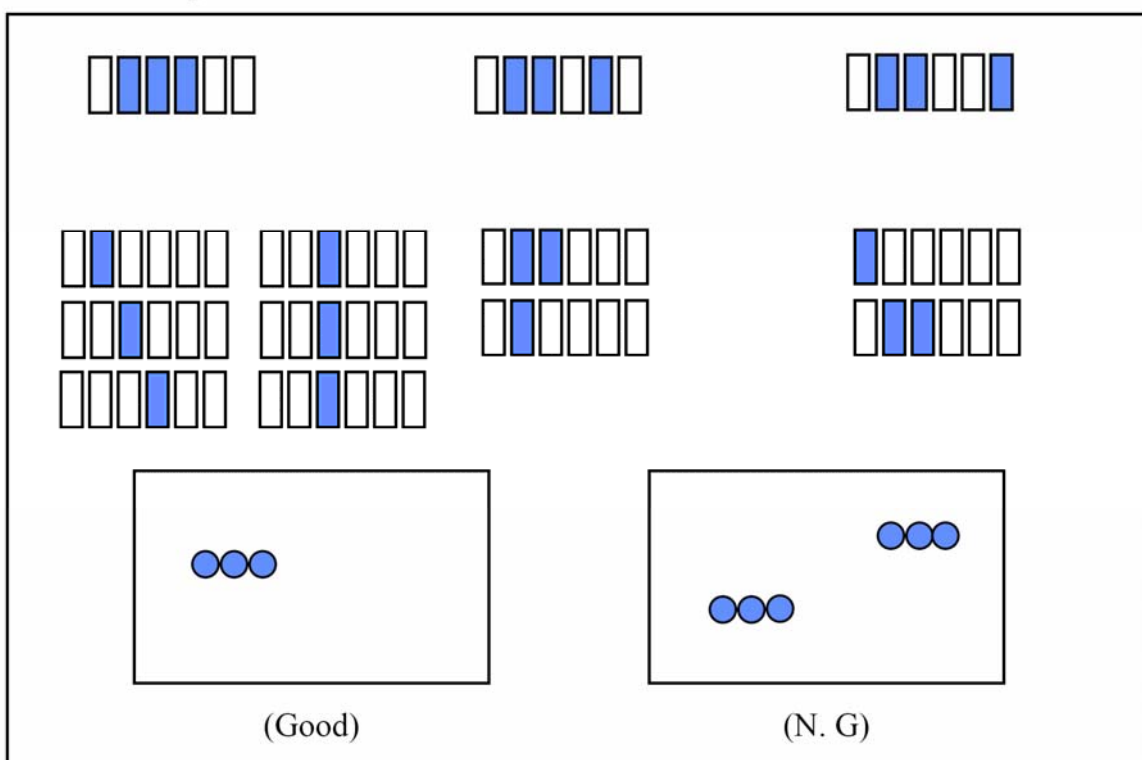
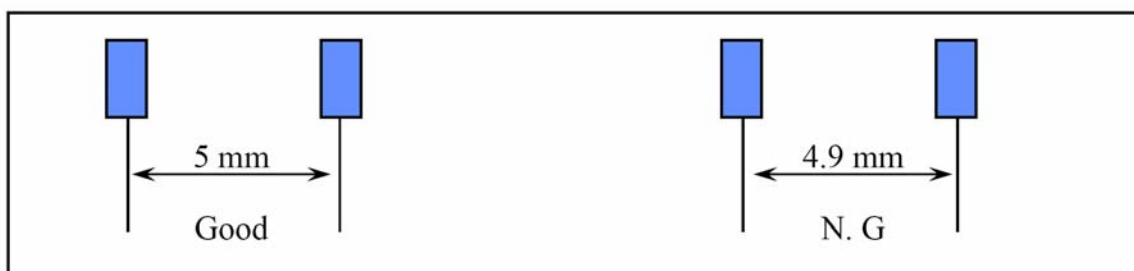


Fig. 3. Minimum distance between dot defects

【dark dot - to - dark dot】



- * Adjacent two & three dots in horizontal direction will be considered as one dot.
- * Minimum distance criteria is applied to the defect , which are not defined as adjacent dot(two or three) in the spec.
- * Will not considered the distance between bright dot & dark dot.
- * Will not considered the distance between dot & mechanical defect.

16. Different Parts List

Diversity of T780KGCHBRDEQCP compared with T780KSCDKRDFUP		
Location	Part No.	Description
M015	015G8265 2	MAIN FRAME-LPL
	023G3178700 3A	logo
	034G1738AVH B	BEZEL
	040G 17N700 3A	RATING CABEL
E750L	750GLG70E1T41D D	LPL 17" DELL CONSIGN PANEL
	CBPC780KGCDRP	CONVERSION BOARD
	PWPC1742LGD3P	POWER BOARD
	Q40G0001700 4A	DELL carton label for Europe
	Q41G780070069A	EMEA PIG
	Q44G3784 2 B	EPS(B)
	Q44G3784 3 B	EPS(M)
	Q44G3784700 2C	CARTON
	Q70G1700700 4E	CD MANUAL
M015	S15G82652	FP ASS'Y
	AIC780KGCDRP	MAIN BOARD
	PW1742LGD3SMTP	POWER BOARD
R816	061G0805104	RST CHIP 100K 1/8W 5%
R811	061G0805105	1MOHM 1/10W
R826	061G0805152	RST CHIPR 1.5 KOHM +-5% 1/8W
C808	061G0805183	RST CHIPR 18 KOHM +-5% 1/8W
R808	061G1206104	RST CHIPR 100 KOHM +-5% 1/4W