

Service Manual

ViewSonic VG730m-3

VA730m-1

Model No. VS11383

17" Color TFT LCD Display

(VG730m-3_VA730m-1_SM Rev. 1a Oct. 2006)

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Revision History

Revision	SM Editing Date	ECR Number	Description of Changes	Editor
1a	10/17/2006		Initial Release	Jamie Chang


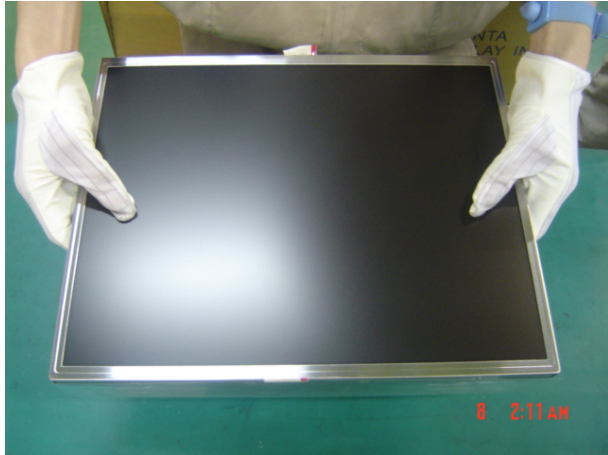




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1. Precautions and Safety Notices

1. Please carefully read this manual before operating the device and keep it available for future reference.
2. To avoid the danger of the monitor falling and thereby possibly causing injury and/or serious damage to the monitor itself, do not place it on unstable cars or desks. Be careful to avoid placing any stress on the LCD screen during handling.
3. Do not place this monitor in areas that are wet or where water or other liquids may come in contact with it, such as bathrooms, kitchens, wet floors, near washing machines or by swimming pools.
4. Remove the power plug from the electrical socket before cleaning. No water-containing cleaning agent should be used to clean the screen, but only cleaning agents formulated specifically for cleaning LCD screens. Do not put any liquid cleaning agent directly on the screen, but put it on a soft cloth first and then gently apply the cloth to the screen.
5. In order to guarantee reliable operation and adequate heat dissipation, do not cover or block vent holes on the monitor. Do not put the monitor close to heat sources. Do not place the monitor on furniture such as a bookshelf, unless sufficient ventilation is available.
6. A 3-pin grounding plug is provided for this monitor. In order to guarantee normal operation and safety of this unit, this plug should be used with a matching grounded power socket.
7. Please follow all warnings and instructions that accompany the monitor.
8. Please pay special attention to power supply overloads, as electrical shock or fire may occur.
9. Do not place anything on the power cord. Do not hang the power cord over an area where people or objects may pass.
10. In case the monitor is not be used for an extended period, turn off power to avoid the possibility of short circuits caused by lightning.
11. In order to avoid electrical shock or fire risks, do not insert any object through any openings in the monitor's enclosure. Do not allow any liquid to come in contact with the monitor.
12. In case of any abnormal noise or odor caused by incorrect operation, turn off power immediately and contact a professional technician. Do not attempt to repair this monitor by yourself, as electrical shock may occur when opening the back cover or accessing internal components.
13. If any of the following conditions occurs, turn off power and contact a repair service provider:
 - 1) the power cord is damaged or worn;
 - 2) liquid has gotten into the monitor, or the monitor has experienced immersion or wetting;
 - 3) the monitor has fallen;
 - 4) the monitor's performance shows obvious changes;
 - 5) the monitor fails to work normally when correct procedures are followed. In that case, please make any adjustments in accordance with instructions supplied with the monitor; do not attempt any changes to established procedures, as further damage may occur, making successful repair of the monitor more difficult.
14. In case parts need to be replaced, you must use identical parts or those supplied by our certified manufacturers. Any other parts used without our authorization may result in electrical shock or fire risk.

Handing and Placing methods

Correct methods	Incorrect methods
<p>Only touch the metal frame of the LCD panel or the front cover of the monitor, DO not touch the surface of the POL</p>	<p>Surface of the LCD panel is pressed by fingers and that may cause "mura"</p>
 <p>A person wearing white gloves is holding a monitor by its metal frame. The monitor is held vertically, and the person's hands are positioned at the top and bottom edges of the frame. A red timestamp '8 2:10 AM' is visible in the bottom right corner of the image.</p>	 <p>A person wearing white gloves is holding a monitor by its metal frame. The person's fingers are pressing against the surface of the LCD panel. A red timestamp '8 2:11 AM' is visible in the bottom right corner of the image.</p>
 <p>A monitor is placed inside a cardboard box. The monitor is wrapped in a clear plastic bag and is surrounded by white foam padding. A red timestamp '29 9:21 AM' is visible in the bottom right corner of the image.</p>	 <p>A monitor is placed inside a cardboard box. The monitor is wrapped in a clear plastic bag and is surrounded by white foam padding. The padding appears to be damaged or compressed. A red timestamp '29 9:20 AM' is visible in the bottom right corner of the image.</p>
 <p>A monitor is placed inside a cardboard box. The monitor is wrapped in a clear plastic bag and is surrounded by white foam padding. A red timestamp '29 9:19 AM' is visible in the bottom right corner of the image.</p>	 <p>A monitor is placed inside a cardboard box. The monitor is wrapped in a clear plastic bag and is surrounded by white foam padding. The padding appears to be damaged or compressed. A red timestamp '29 9:20 AM' is visible in the bottom right corner of the image.</p>

2. Specification

				VA730m-1
1.	1 st LCD PANEL	Maker Resolution Size / AA size Pixel Arrange surface Treatment Brightness Contrast Ratio Viewing Angle Colors Response Time Backlight Backlight Life	CR>10 CR>5	Innolux MT170EN01 1280*1024 (SXGA) 337.9 mm x 270.3mm (17" TFT) RGB Vertical Stripe, 0.264mm pixel pitch. Anti-Glare, Hard Coating 280 cd/m2 (typ), 250 cd/m2 (min) 600:1(typ), 500: 1 (min) H/V= 150/130 (typ), 135/115(min) H/V= 170/155 (typ), 155/135 (min) 16.2 M colors (6 bit with FRC) 8ms (typ), 16ms(max) N=4 CCFLs (Cold Cathode Florescent Tube) 50,000 hours (min)
2.	2 nd LCD PANEL	Maker Resolution Size / AA size Pixel Arrange surface Treatment Brightness Contrast Ratio Viewing Angle Colors Response Time Backlight Backlight Life	CR>10 CR>5	SVA 170SX01 TB 1280*1024 (SXGA) 337.9 mm x 270.3mm (17" TFT) RGB Vertical Stripe, 0.264mm pixel pitch. Anti-Glare, Hard Coating 300 cd/m2 (typ), 240 cd/m2 (min) 600:1(typ), 400: 1 (min) H/V= 130/110 (typ), 115/80(min) H/V= N/A / N/A (typ), N/A / N/A (min) 16.2 M colors (6 bit with FRC) 8ms (typ), 20ms(max) N=4 CCFLs (Cold Cathode Florescent Tube) 50,000 hours (Typ)
3.	INPUT SIGNAL	Video Sync		RGB Analog (75 ohms, 0.7 / 1.0 Vp-p) H/V Separated (TTL) FH:30 – 82 kHz, fV:56-75Hz
4.	COMPATIBILITY	PC Mac*		PC Compatibles (VGA 1280*1024 Non Interlaced) Power Mac (1280*1024)
5.	RESOLUTION	Recommended Supported		1280*1024 @ 60Hz 640 x 350 ,640 x 400, 640 x 480 ,720 x 400 800 x 600 , 832 x 624,1280*1024
6.	CONNECTORS	Signal Power audio		15 pin mini D-sub, 3 pin AC plug In Stereo min audio line in
7.	POWER	Voltage Consumption	Integrated	AC 100-240V (Universal) 40W (max)
8.	AUDIO	Amplifier speaker		1.5W 1.5W x 2
9.	ERGONOMICS	Tilt Base	Forward Back Base	5 Degrees 20 Degrees for normal use, 80mm height adjustment 360 degree swivel
10.	CONTROLS	Physical OSD Function	Main Menu	Power , [↵] [1], [▼], [▲], [2] Auto Image Adjust, Contrast/Brightness, Input Select Audio, Color adjust, Information, Manual Image Adjust, Setup Menu , Memory Recall
11.	BANDWIDTH			135 MHz (MAX)
12.	OPERATING CONDITION	Temperature Humidity		41°F to 95°F (5°C to 35°C) 20% to 80% (no condensation)
13.	STORAGE / SHIPPING CONDITION	Temperature Humidity		-4°F to 131 °F (-20°C to 55°C) 20% to 85% (no condensation)

14.	DIMENSIONS	Physical(W*H*D)	With stand	388 x 450x 230 (mm), 15.2 x 18.6 x 9.0 (in)
		Packaging(W*H*D)	VESA mount	100x100mm
15.	WEIGHT	Net		4.9 kg , 10.8 lbs
		Gross		6.0 kg , 13.2 lbs (including carton, EPS & cables)
16.	REGULATIONS			CB / TCO03/ UL/cUL / FCC-B / EPA Energy Star / TUV/Ergo / ISO13406-2 / TUV-S / CE / BSMI / PSB / C-Tick / MIC/CCC
17.	POWER SAVING FUNCTION	"On" " Active Off"	BLUE AMBER	40W (max) , 35(typ) <1 W (typ)
18.	LOGISTICS	Container Load	40'/20'	728 / 336 units
		Pallet Load	sea	28 pcs per pallet
		UPC Code (UPC-A)		7 66907 23195 3
		PC Code(ITF-14)		0 07 66907 23195 3
		Serial Format		QD4YYWWKxxxx
19.	SECURITY			Kensington Lock on the bottom right side
20.	EU Packaging Information	1. Weight of the individual (empty) shipping carton.-----0.65 kg		
		2. Weight and materials of the poly foam.-----90g/set,EPS		
		3. Weight and material of the empty accessory plastic bags -----20g/PE-LD		
		4. Weight and material of the plastic handle.-----12 g/PE-LD		
		5. Weight and material of the pallets ... 16Kg, popar ; ...16Kg., Fumigation wood,		
21.	ACCESSORIES	Power cable		
		analog D-sub video cable		
		audio cable		
		Quick Start Guide and CD-wizard		

Support Timings

Item	Timing	Analog	Digital
1	640 x 350 @ 70Hz, 31.5kHz	Yes	Yes
2	640 x 400 @ 60Hz, 31.5kHz	Yes	Yes
3	640 x 400 @ 70Hz, 31.5kHz	Yes	Yes
4	640 x 480 @ 50Hz, 24.7kHz	Yes	No
5	640 x 480 @ 60Hz, 31.5kHz	Yes	Yes
6	640 x 480 @ 67Hz, 35.0kHz	Yes	Yes
7	640 x 480 @ 72Hz, 37.9kHz	Yes	Yes
8	640 x 480 @ 75Hz, 37.5kHz	Yes	Yes
9	640 x 480 @ 85Hz, 43.27kHz	No	No
10	720 x 400 @ 70Hz, 31.5kHz	Yes	Yes
11	800 x 600 @ 56Hz, 35.1kHz	Yes	Yes
12	800 x 600 @ 60Hz, 37.9kHz	Yes	Yes
13	800 x 600 @ 75Hz, 46.9kHz	Yes	Yes
14	800 x 600 @ 72Hz, 48.1kHz	Yes	Yes
15	800 x 600 @ 85Hz, 53.7kHz	No	No
16	832 x 624 @ 75Hz, 49.7kHz	Yes	Yes
17	1024 x 768 @ 60Hz, 48.4kHz	Yes	Yes
18	1024 x 768 @ 70Hz, 56.5kHz	Yes	Yes
19	1024 x 768 @ 72Hz, 58.1kHz	Yes	Yes
20	1024 x 768 @ 75Hz, 60.0kHz	Yes	Yes
21	1024 x 768 @ 85Hz, 68.67kHz	No	No
22	1152 x 864 @ 75Hz, 67.5kHz	Yes	Yes
23	1152 x 870 @ 75Hz, 68.7kHz	Yes	Yes
24	1280 x 1024 @ 60Hz, 63.4kHz	Yes	Yes
25	1280 x 1024 @ 75Hz, 79.97kHz	Yes	Yes
26	1280x 720 @ 60Hz, 45kHz (HDTV)	Yes	Yes

				VG730m-3
1.	LCD PANEL	Maker Resolution Size / AA size Pixel Arrange surface Treatment Brightness Contrast Ratio Viewing Angle Colors Response Time Backlight Backlight Life	CR>10 CR>5	Innolux 1280*1024 (SXGA) 337.9 mm x 270.3mm (17" TFT) RGB Vertical Stripe, 0.264mm pixel pitch. Anti-Glare, Hard Coating 280 cd/m2 (typ), 250 cd/m2 (min) 600:1(typ), 500: 1 (min) H/V= 150/145 (typ), 130/115(min) H/V= 170/155 (typ), 150/135 (min) 16.2 M colors (6 bit with FRC) 8ms (typ), 16ms(max) N=4 CCFLs (Cold Cathode Florescent Tube) 50,000 hours (min)
2.	INPUT SIGNAL	Video Sync		RGB Analog (75 ohms, 0.7 / 1.0 Vp-p) H/V Separated (TTL) F _H :30 – 82 kHz, f _V :56-75Hz
3.	COMPATIBILITY	PC Mac*		PC Compatibles (VGA 1280*1024 Non Interlaced) Power Mac (1280*1024)
4.	RESOLUTION	Recommended Supported		1280*1024 @ 60Hz 640 x 350 ,640 x 400, 640 x 480 ,720 x 400 800 x 600 , 832 x 624,1280*1024
5.	CONNECTORS	Signal Power audio		15 pin mini D-sub, DVI-D 3 pin AC plug In Stereo min audio line in
6.	POWER	Voltage Consumption	Integrated	AC 100-240V (Universal) 55W (max)
7.	AUDIO	Amplifier speaker		1.5W 1.5W x 2
8.	ERGONOMICS	Tilt Base	Forward Back Base	5 Degrees 20 Degrees for normal use, 80mm height adjustment 360 degree swivel
9.	CONTROLS	Physical OSD Function	Main Menu	Power , [↩] [1], [▼], [▲], [2] Auto Image Adjust, Contrast/Brightness, Input Select Audio, Color adjust, Information, Manual Image Adjust, Setup Menu , Memory Recall
10.	BANDWIDTH			140 MHz (MAX)
11.	OPERATING CONDITION	Temperature Humidity		41°F to 95°F (5°C to 35°C) 20% to 80% (no condensation)
12.	STORAGE / SHIPPING CONDITION	Temperature Humidity		-4°F to 131 °F (-20°C to 55°C) 20% to 85% (no condensation)
13.	DIMENSIONS	Physical(W*H*D)	With stand VESA mount	386.8 x 474.2 x 230.0 (mm) , 15.2 x 18.6 x 9.0 (in) 100x100mm
		Packaging(W*H*D)		445 x 552 x 278 (mm) 17.5. x 21.7x 10.9(in)
14.	WEIGHT	Net		4.9 kg , 10.8 lbs
		Gross		6.5 kg ,13.2 lbs (including carton, EPS & cables)
15.	REGULATIONS			CB / TCO03/ YCO03/ UL/cUL / FCC-B / ICES 003 / Argentina-TUV/S / NOM / EPA Energy Star / TUV/Ergo / ISO13406-2 / TUV/GS / CE / GOST-R / SASO / BSMI / PSB / C-Tick / MIC/CCC
16.	RELIABILITY	MTBF		50000 Hr (Panel).

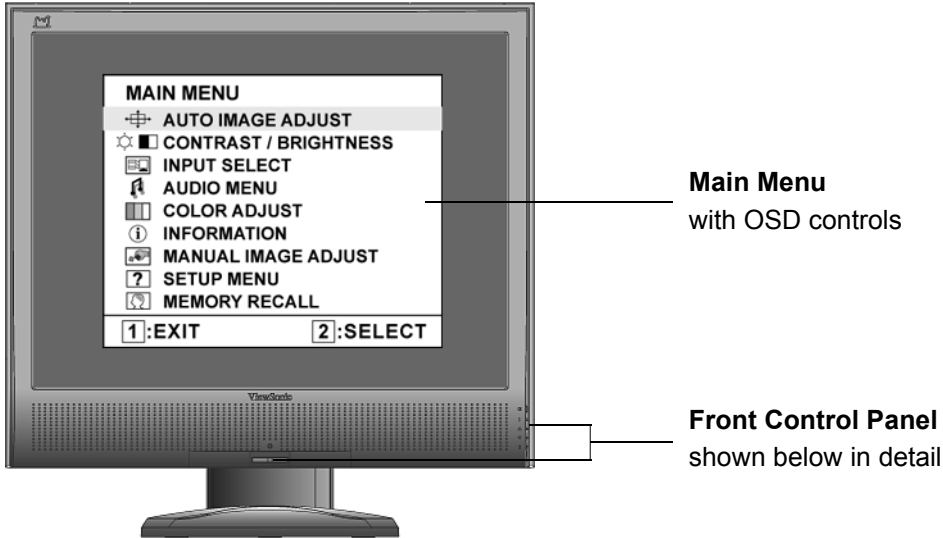
17.	POWER SAVING FUNCTION	"On" " Active Off"	BLUE AMBER	40W (max) , 35(typ) <1 W (typ)
18.	LOGISTICS	Container Load Pallet Load UPC Code (UPC-A) PC Code(ITF-14) Serial Format	40'/20' sea	728 / 336 units 28 pcs per pallet 7 66907 22743 7 0 07 66907 22743 7 QBYYYWWKxxxx
19.	SECURITY			Kensington Lock on the bottom right side
20.	EU Packaging Information	1. Weight of the individual (empty) shipping carton.-----0.65 kg 2. Weight and materials of the poly foam.-----90g/set, EPS 3. Weight and material of the empty accessory plastic bags -----20g/PE-LD 4. Weight and material of the plastic handle.-----12 g/PE-LD 5. Weight and material of the pallets ... 16Kg, popar ; ...16Kg., Fumigation wood,		
21.	ACCESSORIES	1. Power cable 2. analog D-sub video cable 3. audio cable 4. Quick Start Guide and CD-wizard		







Support Timings

Item	Timing	Analog	Digital
1	640 x 350 @ 70Hz, 31.5kHz	Yes	Yes
2	640 x 400 @ 60Hz, 31.5kHz	Yes	Yes
3	640 x 400 @ 70Hz, 31.5kHz	Yes	Yes
4	640 x 480 @ 50Hz, 24.7kHz	Yes	No
5	640 x 480 @ 60Hz, 31.5kHz	Yes	Yes
6	640 x 480 @ 67Hz, 35.0kHz	Yes	Yes
7	640 x 480 @ 72Hz, 37.9kHz	Yes	Yes
8	640 x 480 @ 75Hz, 37.5kHz	Yes	Yes
9	640 x 480 @ 85Hz, 43.27kHz	No	No
10	720 x 400 @ 70Hz, 31.5kHz	Yes	Yes
11	800 x 600 @ 56Hz, 35.1kHz	Yes	Yes
12	800 x 600 @ 60Hz, 37.9kHz	Yes	Yes
13	800 x 600 @ 75Hz, 46.9kHz	Yes	Yes
14	800 x 600 @ 72Hz, 48.1kHz	Yes	Yes
15	800 x 600 @ 85Hz, 53.7kHz	No	No
16	832 x 624 @ 75Hz, 49.7kHz	Yes	Yes
17	1024 x 768 @ 60Hz, 48.4kHz	Yes	Yes
18	1024 x 768 @ 70Hz, 56.5kHz	Yes	Yes
19	1024 x 768 @ 72Hz, 58.1kHz	Yes	Yes
20	1024 x 768 @ 75Hz, 60.0kHz	Yes	Yes
21	1024 x 768 @ 85Hz, 68.67kHz	No	No
22	1152 x 864 @ 75Hz, 67.5kHz	Yes	Yes
23	1152 x 870 @ 75Hz, 68.7kHz	Yes	Yes
24	1280 x 1024 @ 60Hz, 63.4kHz	Yes	Yes
25	1280 x 1024 @ 75Hz, 79.97kHz	Yes	Yes
26	1280x 720 @ 60Hz, 45kHz (HDTV)	Yes	Yes

3. Front Panel Function Control Description

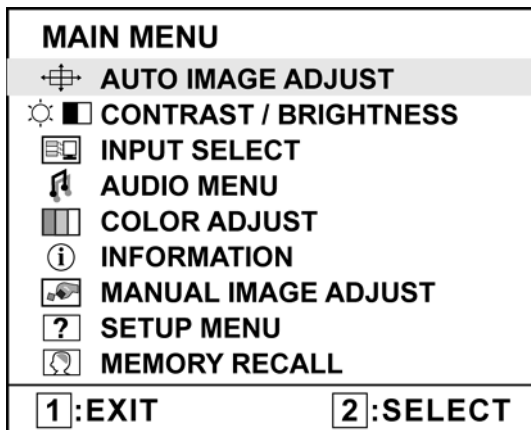
Adjusting the Screen Image



-  Standby Power On/Off
Power light
Blue = ON
Orange = Power Saving
-  Audio Mute button turns the sound off
-  Displays the Main Menu or exits the control screen and saves adjustments.
-  Scrolls through menu options and adjusts the displayed control.
Also a shortcut to display the Contrast adjustment control screen.
- 
-  Displays the control screen for the highlighted control.
Also toggles between two controls on some screens.

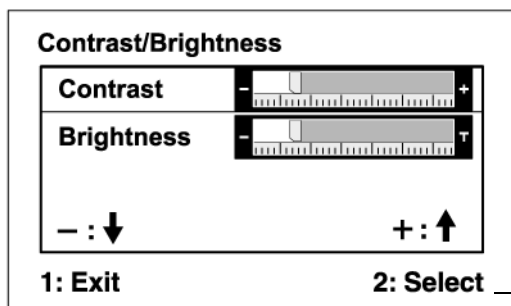
Do the following to adjust the display setting:

1. To display the Main Menu, press button [1].



NOTE: All OSD menus and adjustment screens disappear automatically after about 15 seconds. This is adjustable through the OSD timeout setting in the setup menu.

2. To select a control to adjust, press▲or▼to scroll up or down in the Main Menu.
3. After the desired control is selected, press button [2]. A control screen like the one shown below appears.



The command line at the bottom of the control screen tells what to do next from this screen. You can toggle between control screens, adjust the selected option, or exit the screen.







4. To adjust the setting, press the up ▲ or down ▼ buttons.
5. To save the adjustments and exit the menu, press button [1] *twice*.

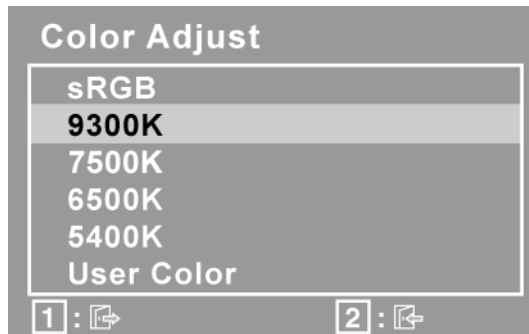
The following tips may help you optimize your display:

- Adjust the computer's graphics card so that it outputs a 1280 x 1024 @ 60Hz video signal to the LCD display. (Look for instructions on “changing the refresh rate” in the graphics card's user guide.)
- If necessary, make small adjustments using H. POSITION and V. POSITION until the screen image is completely visible. (The black border around the edge of the screen should barely touch the illuminated “active area” of the LCD display.)

Main Menu Controls

Adjust the menu items shown below by using the up ▲ and down ▼ buttons.

Control	Explanation
	Auto Image Adjust sizes and centers the screen image automatically.
	Contrast adjusts the difference between the image background (black level) and the foreground (white level).
	Brightness adjusts background black level of the screen image.
	Input Select toggles between inputs if you have more than one computer connected to the VG730m.
	Audio Adjust Volume increases the volume, decreases the volume, and mutes the audio. Mute temporarily silences audio output.
	Color Adjust provides several color adjustment modes, including preset color temperatures and a User Color mode which allows independent adjustment of red (R), green (G), and blue (B). The factory setting for this product is 6500K (6500 Kelvin).



sRGB-This is quickly becoming the industry standard for color management, with support being included in many of the latest applications. Enabling this setting allows the LCD display to more accurately display colors the way they were originally intended. Enabling the sRGB setting will cause the Contrast and Brightness adjustments to be disabled.

9300K-Adds blue to the screen image for cooler white (used in most office settings with fluorescent lighting).

7500K-Adds blue to the screen image for cooler white (used in most office settings with fluorescent lighting).

6500K-Adds red to the screen image for warmer white and richer red.

5400K-Adds green to the screen image for a darker color.

User Color Individual adjustments for red (R), green (G), and blue (B).

1. To select color (R, G or B) press button [2].

2. To adjust selected color, press▲and▼.

Important: If you select RECALL from the Main Menu when the product is set to a Preset Timing Mode, colors return to the 6500K factory preset.



Information displays the timing mode (video signal input) coming from the graphics card in the computer, the LCD model number, the serial number, and the ViewSonic® website URL. See your graphics card's user guide for instructions on changing the resolution and refresh rate (vertical frequency).

NOTE: VESA 1280 x 1024 @ 60Hz (recommended) means that the resolution is 1280 x 1024 and the refresh rate is 60 Hertz.

Information		
H. Frequency:	XX	kHz
V. Frequency:	XX	Hz
Resolution:	XXX	
Pixel Clock:	XXXXXXXXXX	MHz
Serial Number:	XXXXXXXXXXXX	
Model Number:	XXXXXXXXXXXX	
www.ViewSonic.com		1: Exit



Manual Image Adjust

Manual Image Adjust	
	H. Size
	H./V. Position
	Fine Tune
	Sharpness
1: Exit	
2: Select	



H. Size (Horizontal Size) adjusts the width of the screen image.



H./V. Position (Horizontal/Vertical Position) moves the screen image left or right and up or down.

H./V. Position	
H. Position	
V. Position	
- : ↓	+ : ↑
1: Exit	
2: Select	

Control	Explanation
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Fine Tune sharpens the focus by aligning text and/or graphics with pixel boundaries.

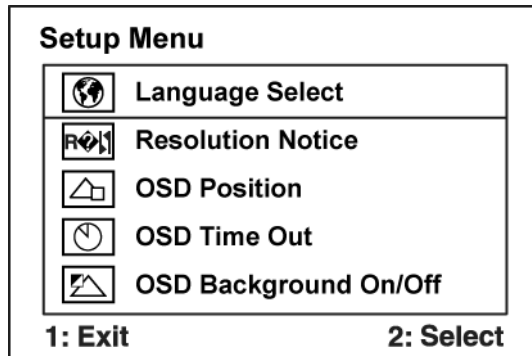
NOTE: Try Auto Image Adjust first.



Sharpness adjusts the clarity and focus of the screen image.



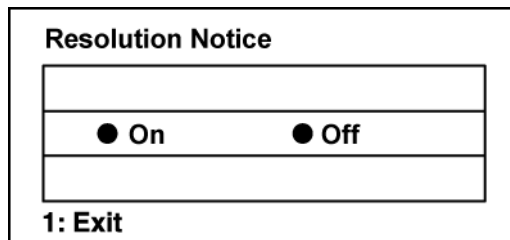
Setup Menu displays the menu shown below:



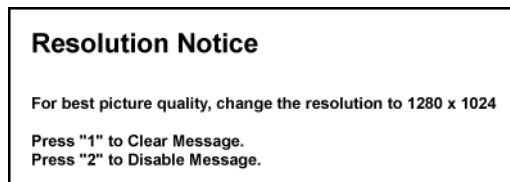
Language Select allows the user to choose the language used in the menus and control screens.



Resolution Notice allows the user to enable or disable this notice.



If you enable the Resolution Notice shown above and your computer is set at a resolution other than 1280 x 1024, the following screen appears.



OSD Position allows the user to move the OSD menus and control screens.



OSD Timeout sets the length of time the OSD screen is displayed. For example, with a “30 second” setting, if a control is not pushed within 30 seconds, the display screen disappears.

Control	Explanation
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OSD Background allows the user to turn the OSD background On or Off.



Memory Recall returns the adjustments back to factory settings if the display is operating in a factory Preset Timing Mode listed in the Specifications of this manual.

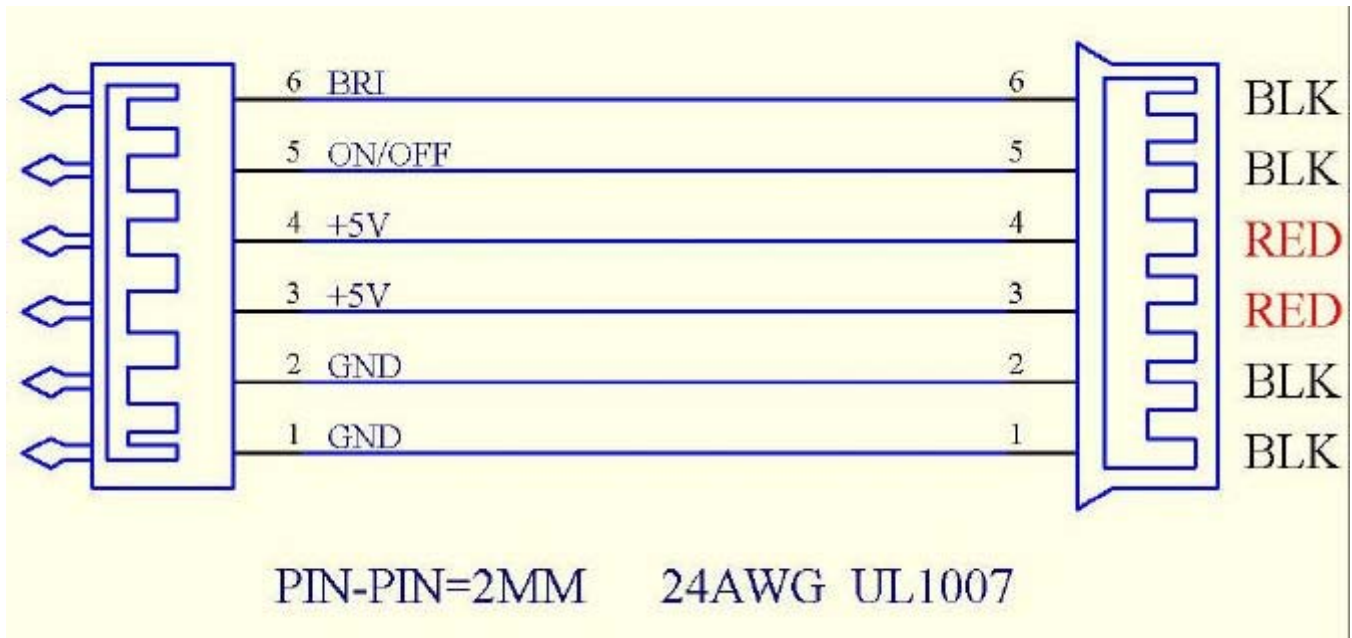
4. Circuit Description

1. Power Board

Electric Spec :

Connection	9Pin NO.	6Pin NO.	Symbol	Description
CON802	9	NC	DC-Output	24.0±10% Vdc / 50mA (Optional)
	8	NC	DC-Output	12±10% Vdc / 200mA (Optional)
	7	6	BL-Adj	Luminance Control (0Vdc~3.3Vdc)
	6	5	ON/OFF	ON : 3.3Vdc or 5.0Vdc ; OFF : 0V
	4.5	3.4	DC-Output	5.0±5% Vdc / 2500mA
	2.3	1.2	GND	GND
	1	NC	DC-Output	-8±10% Vdc / 100mA(Optional)
CON901~CON904	1	1	H.V	High Voltage
	2	2	Return	Return Pin





ELECTRIC TEST

1. POWER TEST :

1-1 .OUTPUT VOLTAGE TEST : Output 24V connect 50mA, CON801 Input

1-2 .HI-POT TEST :

1) Test Requirements – Input Voltage : 3.0KVdc

– Measurement Time : 3sec

– Temperature : 25°C± 5°C

2) A method of measurement : Injection voltage between Utility (Line and Neutral short) and output line (short between + and -)

3) Criterion for Judging : PASS

1-3 .SHORT TEST PROTECT :

24Vdc SHORT to GND , POWER PROTECT .

12Vdc SHORT to GND , POWER PROTECT .

5Vdc SHORT to GND , POWER PROTECT .

-8Vdc SHORT to GND , POWER PROTECT .

1-4 .LOW POWER CONSUMPTION: Input 240Vac/50Hz Output NO

LOAD , Power Consumption $\leq 0.5W$. 1-5 .GROUND TEST :

1) Test Requirements – Input Current : 25A

– Measurement Time : 3sec

– Temperature : 25°C± 5°C

2) A method of measurement : Injection current between Utility F.G. (inlet socket F.G.) and output ground (heat sink)

3) Criterion for Judging : \leq Resistor 100m Ω

1-6 .Insulation Resistance

1) Test Requirements – Input Voltage : 500Vdc
 – Temperature : 25°C± 5°C

2) A method of measurement : Test between Utility (live and neutral short) and output line (+ and - short).
 (insulation resistance test)

3) Criterion for Judging : Insulation resistance $\geq 100M\Omega$ 2.INVERTER TEST: 2-1.OPEN LAMP PROTECT TEST :

Test Condition : ON/OFF PIN=3.3Vdc or 5.0Vdc , BL-Adj PIN=3.3Vdc or 5.0Vdc . Result : CN901~CN904 OPEN , INVERTER TURN ON CONTINUE 1~2 SECONDS SHUT DOWN .

2-2. KICK-OFF VOLTAGE TEST :

Test Condition : ON/OFF PIN=3.3Vdc or 5.0Vdc , BL-Adj PIN=3.3Vdc or 5.0Vdc .

Result : CN901~CN903 TEST CN904 H.V PIN Output Voltage $\geq 1.5KV$ rms .

CN902~CN904 CONNECT TEST CN901 H.V PIN Output Voltage $\geq 1.5KV$ rms .

CN903 .CN904 .CN901 CONNECT TEST CN902 H.V PIN Output Voltage $\geq 1.5KV$ rms .

CN901 .CN902 .CN904 CONNECT TEST CN903 H.V PIN Output Voltage $\geq 1.5KV$ rms .

2-3 . OUTPUT CURRENT TEST :

Test Condition				Result
CN802 Pin 24V GND	CN802 BL-Adj PIN	CN802 Pin ON/OFF		CN901~CN904
22~28Vdc	3.3Vdc	3.3Vdc or 5.0Vdc	17" or 19" PANEL	6.5±0.5mA / 50±5KHz 7.0±0.5mA / 50±5KHz 7.5±0.5mA / 50±5KHz MEET L NEED Jumper
22~28Vdc	0Vdc	3.3Vdc or 5.0Vdc	17" or 19" PANEL	3.5±0.5mA
22~28Vdc	0Vdc or 3.3Vdc	0Vdc	17" or 19" PANEL	NO Output

■ **OLD TEST**

CN801 Input 100~240Vac , CN802 BL-Adj Pin CONNECT 3.3Vdc , CN802 ON/OFF Pin CONNECT 3.3Vdc OR 5.0Vdc ,

■ **ATTENTION**

1.WHEN OPERATION, WEAR STATIC ELECTRICITY RING AND KEEP GND.

2.TO PREVENT A SHORT CIRCUIT.

3.CON801 / C809 / C802 / C803 / BD801/ Q801 / T801/T802/T901/ THESE LARGE VOLUM MUST WEIGHT A LOT

..

4.3 Scaler Board

- 17 " and 19 " LCD MONITOR
- WORK ENVIROMENT 1.WORK ENVIROMENT TEMPERATURE : 0 °C ~ 40 °C 2.WORK ENVIROMENT humidity : 30% ~ 85% RH . 3.STORE ENVIROMENT TEMPERATURE : -25°C ~ +85°C 4.STORE ENVIROMENT humidity : 30% ~ 90% RH
- INPUT REQUIREMENT
AC Input Voltage :100Vac ~240Vac / 50~60Hz

1.SPEC :

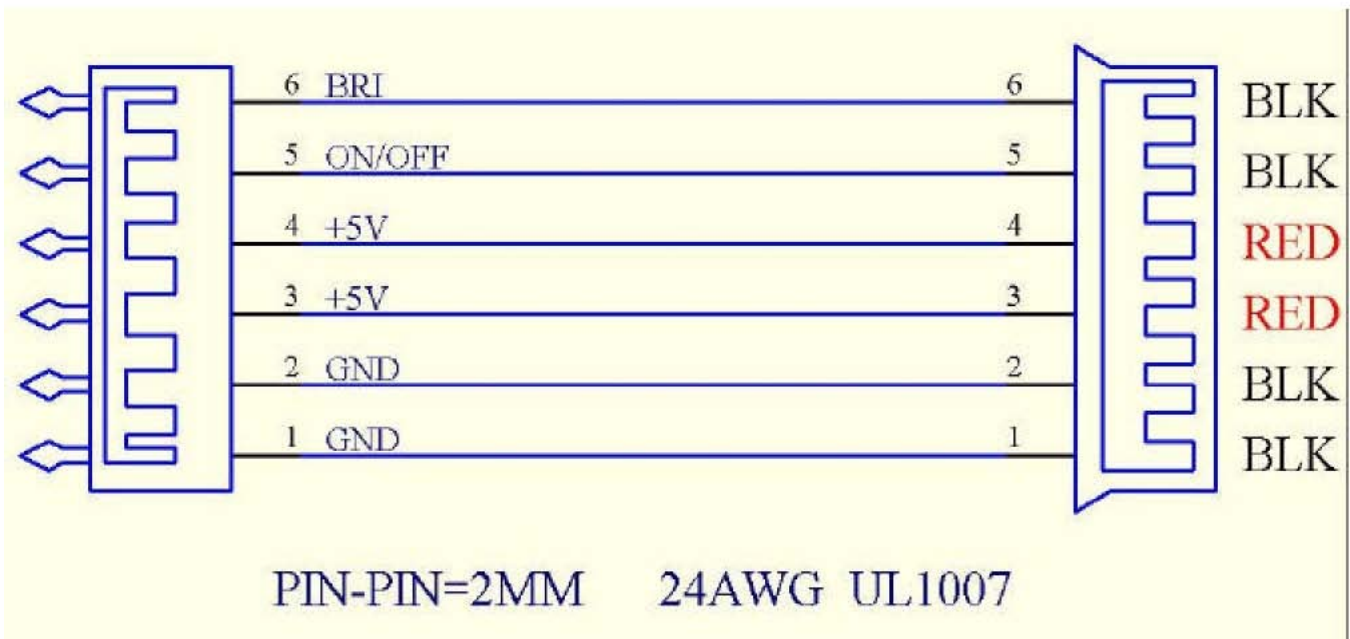
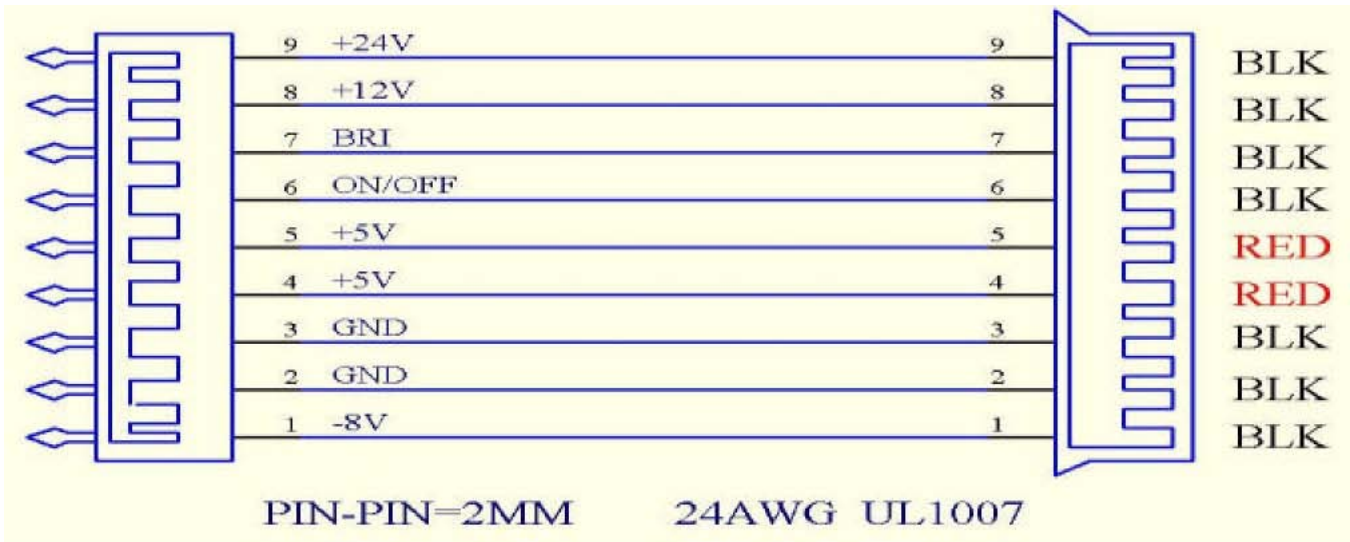
NO	List	CH 1	CH 2	CH 3	CH4
1	Channel Name	-8V(Optional)	+5V	+12V(Optional)	+24V
2	OUTPUT VOLTAGE SPEC	-8V±10%	+5V±5%	+12V(11.5~13.5V)	+24V±10%
3	OUPUT CURRENT SPEC	50mA	2500mA	200mA	1.900mA for Inverter 2.50mA for SIP PANEL(Optional)
4	LOWEST WORK CURRENT	10mA	400mA	50mA	10mA
5	WAITTING 5V Load=50~80mA ,	7V ~ 12V	4.75V ~ 5.25V	11.5V ~ 16V	22.6V~30V
6	Ripple & Noise	200mVp-p	100mVp-p	300mVp-p	300mVp-p

2.WAITTING MERIT

AC INPUT 240Vac , NO Load

3 (L=80mm) INTRODUCTION :

PIN NO. FOR RSDS	9	8	7	6	5	4	3	2	1
PANEL SPEC	24V	12V	ADJ	On/Off	5V		GND		-8V
PIN NO. FOR LVDS	NC	NC	6	5	4	3	2	1	NC
PANEL SPEC	NC	NC	ADJ	On/Off	5V		GND		NC



- **OUTPUT VOLTAGE RISE TIME** AC INPUT 90 Vac ~264Vac, <100mS .
- **AC ELECTRICITY TIME DELAY WHEN AC INPUT , OUTPUT VOLTAGE SHOULD WITHIN 1.5S .**
- **SURGE ELECTRI CURRENT AC INPUT 240Vac .**
- **PROTECT FOR SHORT CIRCUIT**
- **PROTECT FOR OVER-CURRENT**

Input Voltage(V)	Output(V)	Output Current limits (A)
90Vac~264Vac 47~63Hz	+24	<2A
	+12	<4
	+5	<6
	-8	<4

- **PROTECT FOR OVER-CURRENT**

Output Voltage (V)	Voltage limit (V)
24	38
12	20

- Hi-POT TEST 3KV_{ac} / 3Sec
- INSULATION IMPEDANCE INPUT 500V_{dc} , INSULATION IMPEDANCE > 100M Ohm
- GND TEST INPUT 25A_{dc} / 3 Sec , RESISTANCE CONNECT GROUNDS <100m Ohm
- INVERTER INTRODUCTION : 17 " and 19 " PANEL LCD MONITOR

1.-4 lamp type of 17 " and 19 " PANEL

2. SPEC REQUIREMENT

Items	Sign.	Condition	Min	Typ	Max	
1 Output Current (mA)	Lout1.2	Vin=24V	BL-ADJ=0V	3.0	3.5	4.0
			BL-ADJ=3.3V	6.0	6.5	7.5
				6.5	7.0	7.5
				7.0	7.5	8.0
2 Output Voltage (V _{rms})		Vin=24V	BL-ADJ=3.3V	560	660	760
3 Lamp Frequency (kHz)	f	Vin=24V	BL-ADJ =3.3V	45	50	55
4 On/Off Control	On	Vin=24V, On/Off=3.3V or 5V		Normal Operation		
	Off	Vin=24V, On/Off=0V		Shunt-down (Lamp off)		
5 Dim Adjust (Lamp Current Control)	BL-ADJ	BL-ADJ = 3.3V, Max Current		0V ~ 3.3V		
		BL-ADJ = 0V, Min Current				
6 Kick-Off Voltage(V _{rms})	Vk-off	Kick-Off		More than 1500		

- MTBF MTBF 100000 HOUR 25°C
- MACHINERY SIZE

4.4 EDID Data

[DDC#1]

```
00 FF FF FF FF FF FF 00 5A 63 1E 95 01 01 01 01
01 10 01 03 80 22 1B 78 2E DC 55 A3 59 48 9E 24
11 50 54 BF EF 80 81 80 81 40 71 4F 31 0A 01 01
01 01 01 01 01 01 30 2A 00 98 51 00 2A 40 30 70
13 00 52 0E 11 00 00 1E 00 00 00 FF 00 51 42 59
30 36 30 31 30 30 30 30 31 0A 00 00 00 FD 00 32
4B 1E 52 0E 00 0A 20 20 20 20 20 20 00 00 00 FC
00 56 47 37 33 30 6D 0A 20 20 20 20 20 20 00 75
```

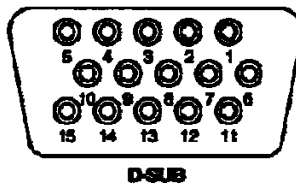
[DDC#1]

```
00 FF FF FF FF FF FF 00 5A 63 1E 95 01 01 01 01
01 10 01 03 0E 22 1B 78 2E DC 55 A3 59 48 9E 24
11 50 54 BF EF 80 81 80 81 40 71 4F 01 01 01 01
01 01 01 01 01 01 30 2A 00 98 51 00 2A 40 30 70
13 00 52 0E 11 00 00 1E 00 00 00 FF 00 51 42 59
30 36 30 31 30 30 30 30 31 0A 00 00 00 FD 00 32
4B 1E 52 0E 00 0A 20 20 20 20 20 20 00 00 00 FC
00 56 47 37 33 30 6D 0A 20 20 20 20 20 20 00 20
```

4.5 Interface

4.5.1 Pin Assignment

D-SUB connector: CN2



Pin	Input Signal	Pin	Input Signal	Pin	Input Signal
1	Red video	6	Red Video Ground	11	Open
2	Green Video/Sync on Green	7	Green Video Ground	12	Data line (SDA)*
3	Blue Video	8	Blue Video Ground	13	H-Sync
4	Ground	9	+5V (for cable detect)	14	V-Sync
5	Ground	10	Connector detector	15	Clock line (SCL)*

*Compliant to VESA DDC.

4.5.1.2 Audio Input (line-in)

Item	Specifications
Input Voltage	1 Vrms
Output Power	1 W dual channel output

5. Adjusting Procedure

1. Function test

1.1 products

17" LCD Monitor

2. Firmware and EDID upgrade/update Methods

Firmware Update Procedure

1. The monitor's firmware update for VG730 have two method.

1.1. Download the MCU IC by the fire machine. This procedure is finished in SMT .

1.2. ISP Method. When the monitor's BIOS isn't exist or firmware isn't final program, this method is worked by ISP Cord with monitor

2.1 Equipment Needed

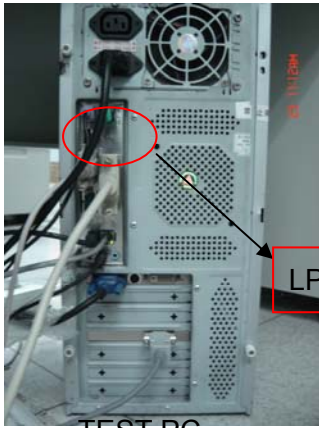
2. VG730 monitor upgrade firmware by ISP Cord.

- USB cable for print port *1
- VGA cable*1
- LPT cable (25pin)*1
- AC power cable*1
- ISP fire cord (the fixture is made in TE) for firmware upgrade*1
- Power adapter for firmware upgrade (this adapter is made in TE)*1
- A computer with WindowsXP
- VG730 monitor (no firmware)
- a additional monitor for system display
- ISP & ISP3.0 program

NOTE:

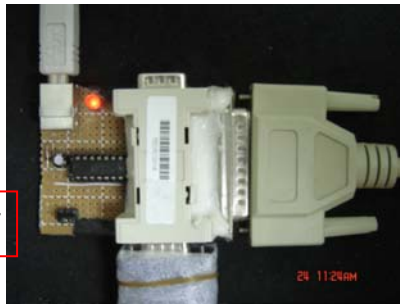
The fixture for firmware upgrade provide two different method to fire. Please check you monitor's Main board, refer to MCU-RSIC type and choose the method. Below form appear the relation between the method and the MCU-RSIC type

METHOD	MCU	ASIC	JUMPER
A	MYSON	M-STAR & NOVATEK	PIN2-3 CLOSED
B	OTHER	REALTEK	PIN1-2 CLOSED



LPT PORT

TEST PC



Fixture ISP_CORD



Fixture POWER_ADAPTER



LPT Cable



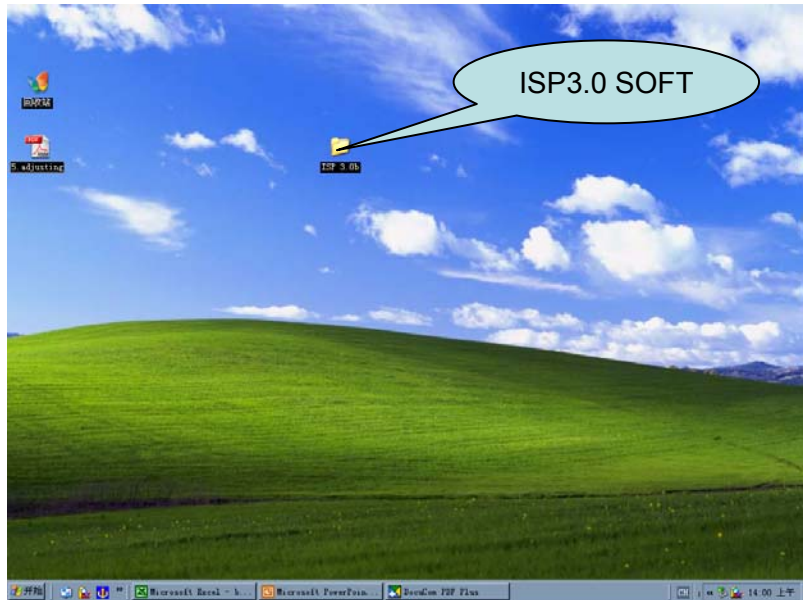
AC power Cable



VGA Cable

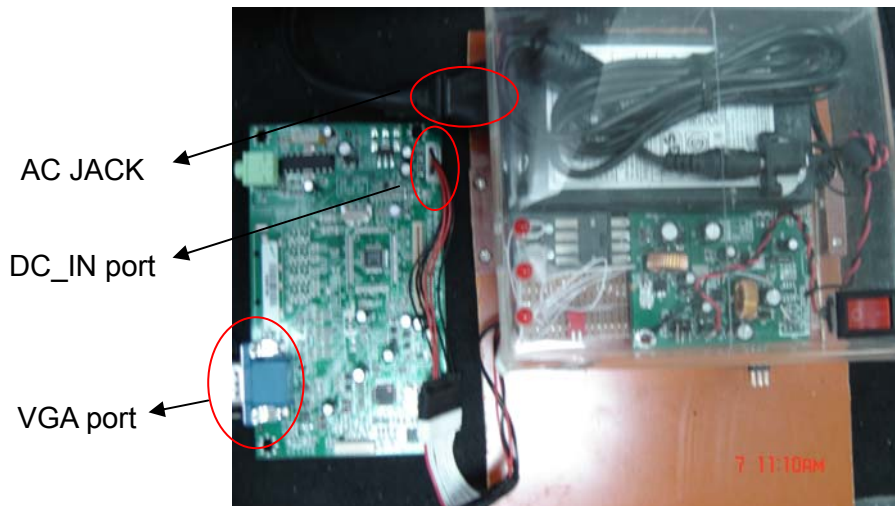
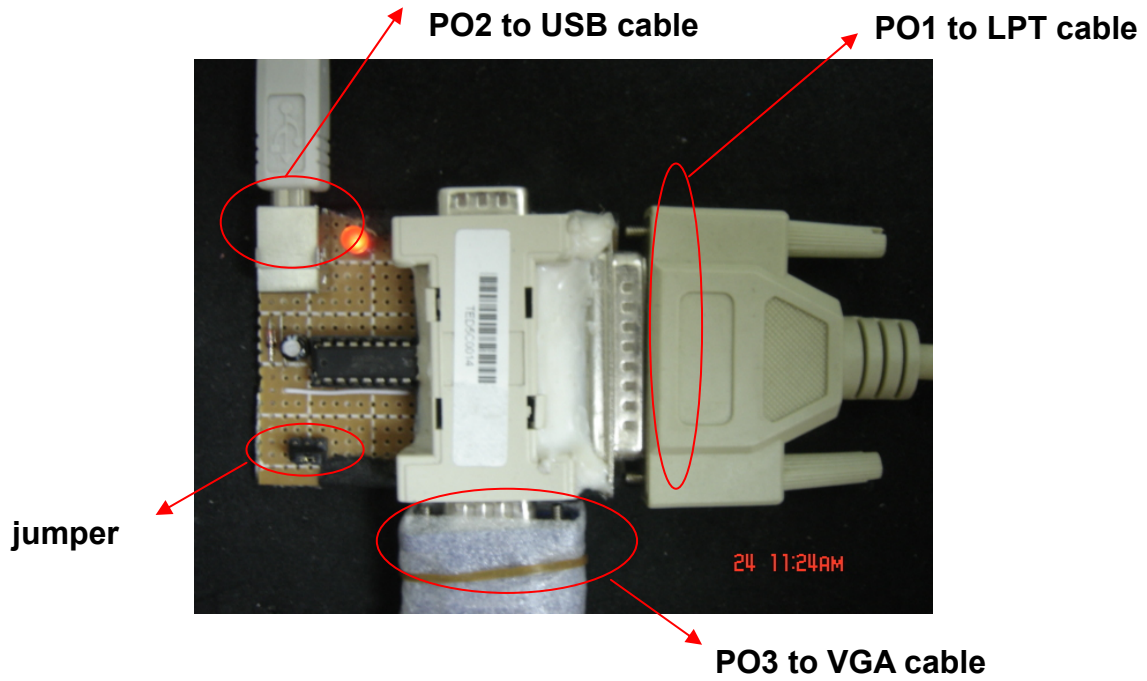


USB FOR PRINT



2.2. Setup Procedure

- 4.2.1 Connect PO1 of ISP fixture with print port of computer by LPT cable
- 4.2.2 Connect PO2 of ISP fixture with USB port of computer by USB cable
- 4.2.3 Connect PO3 of ISP fixture with monitor VGA port by VGA cable
- 4.2.4 Connect mouse, keyboard, AC power, monitor with computer
- 4.2.5 Plug AC cable in power adapter AC jack
- 4.2.6 Connect power adapter DC_OUTPUT port to main board DC_IN port
- 4.2.7 Connect PO3 of ISP fixture with VGA port of monitor's main board by VGA cable

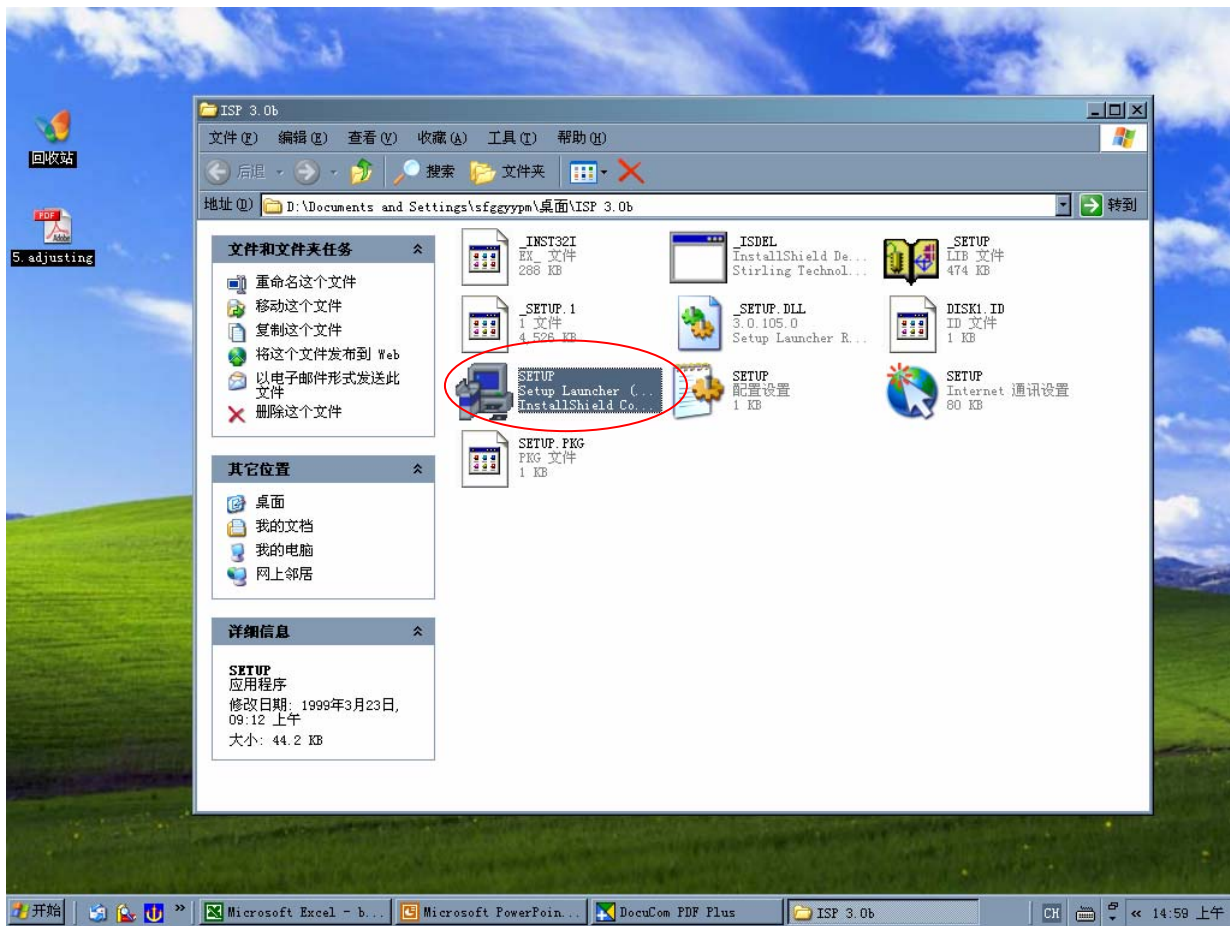


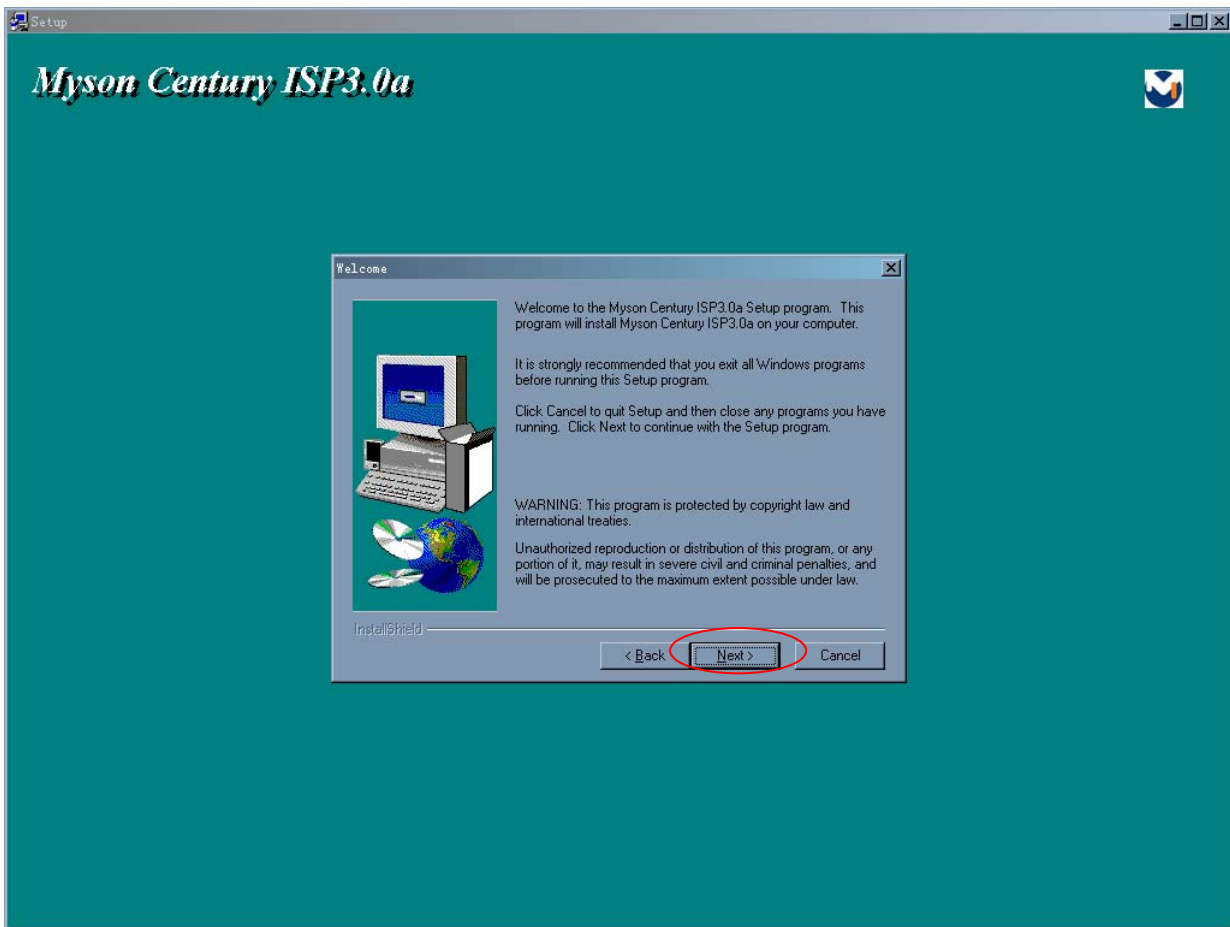
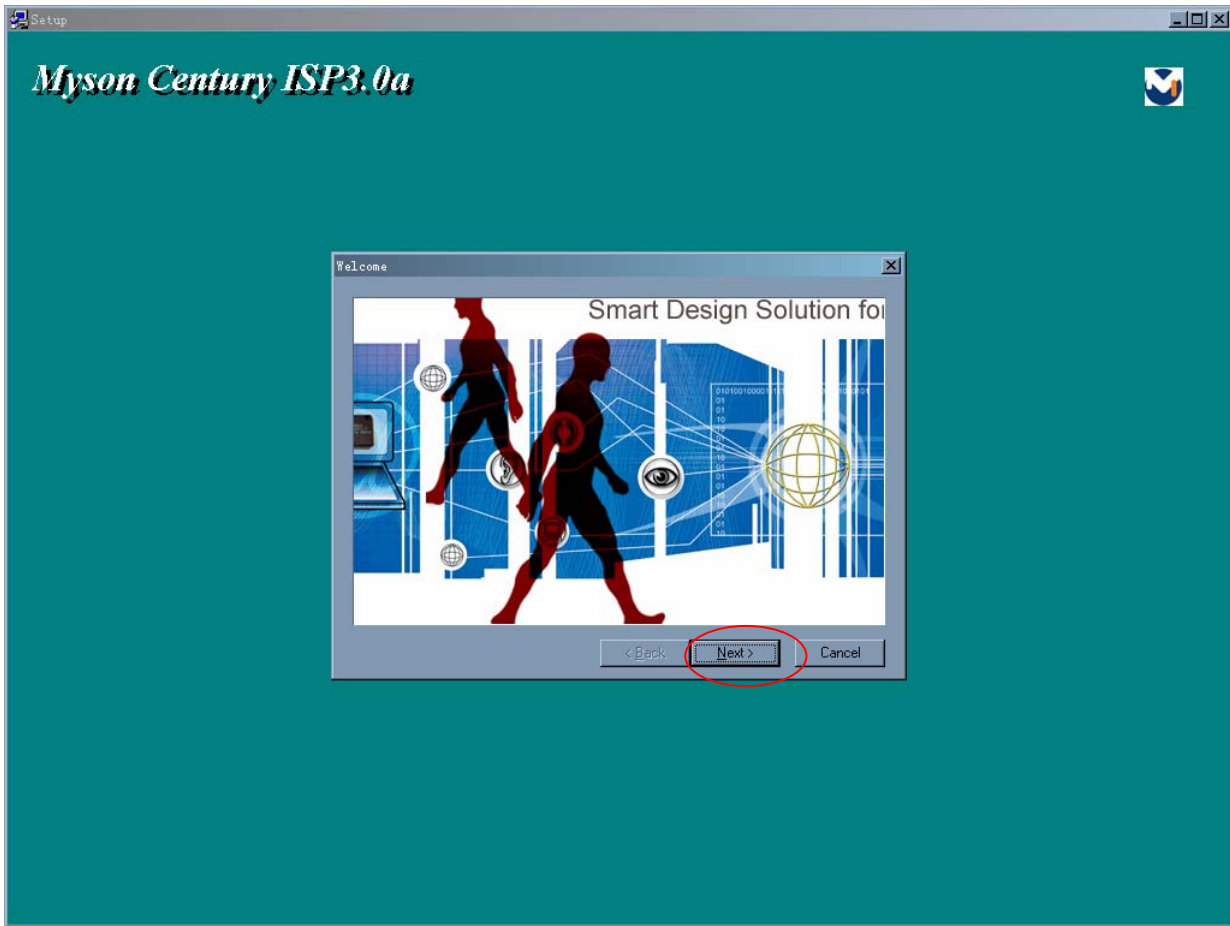
NOTE:

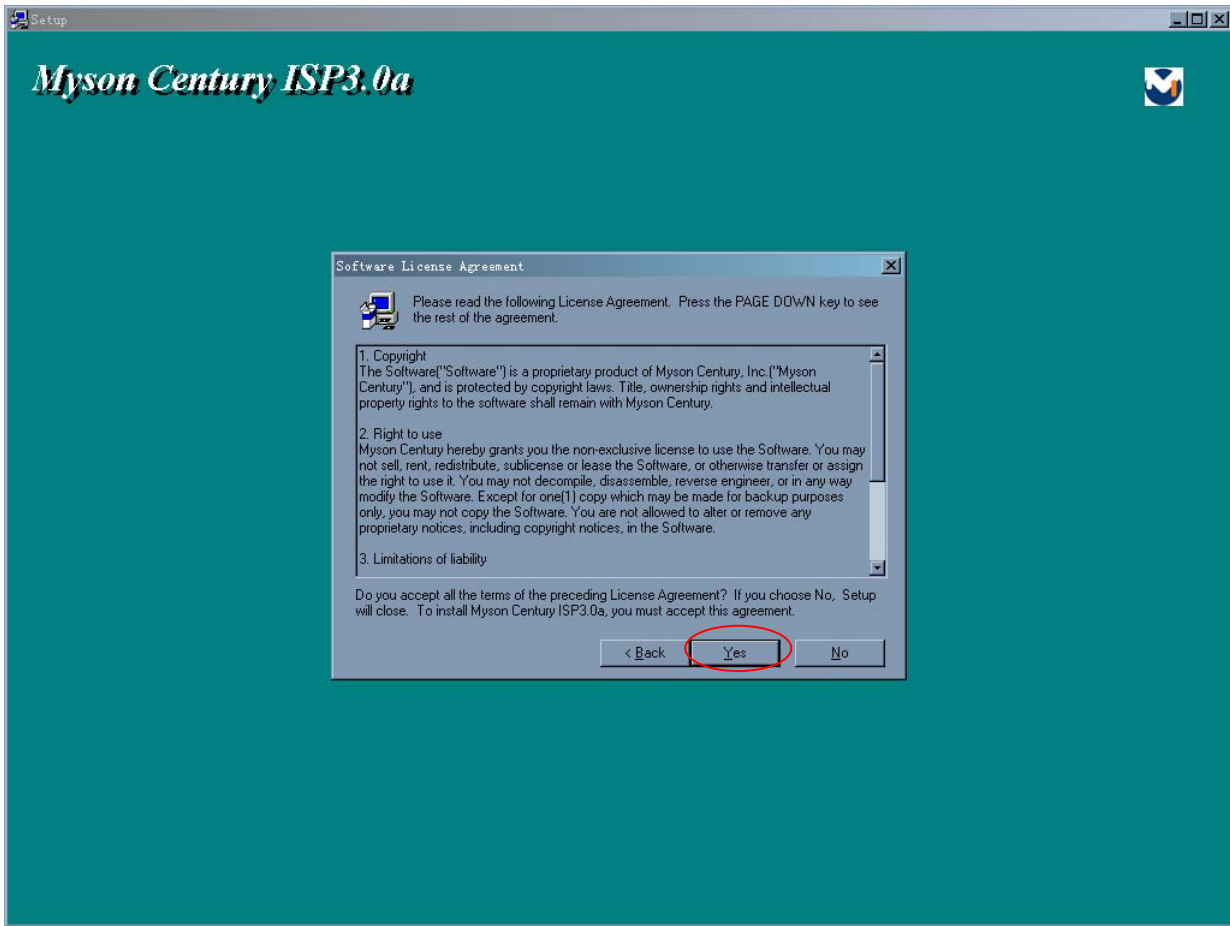
Do STEP2.2.6 and STEP2.2.7 for monitor's main board only. Monitor firmware upgrade will jump this step.

2.3. Soft install

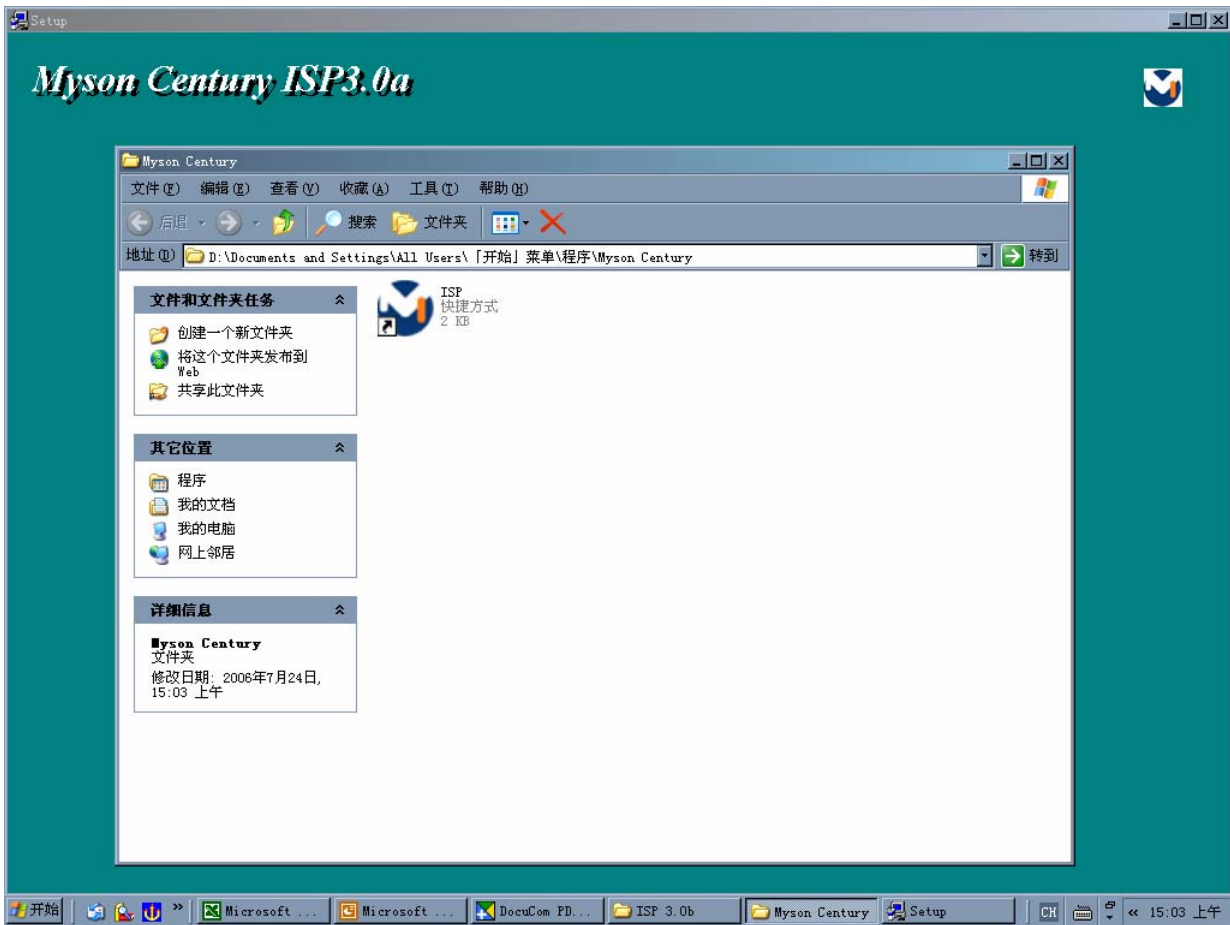
Install ISP3.0 program by selecting and clicking "...\isp3.0\setup.exe", press "YES" or "NEXT" buttons until setup is complete.



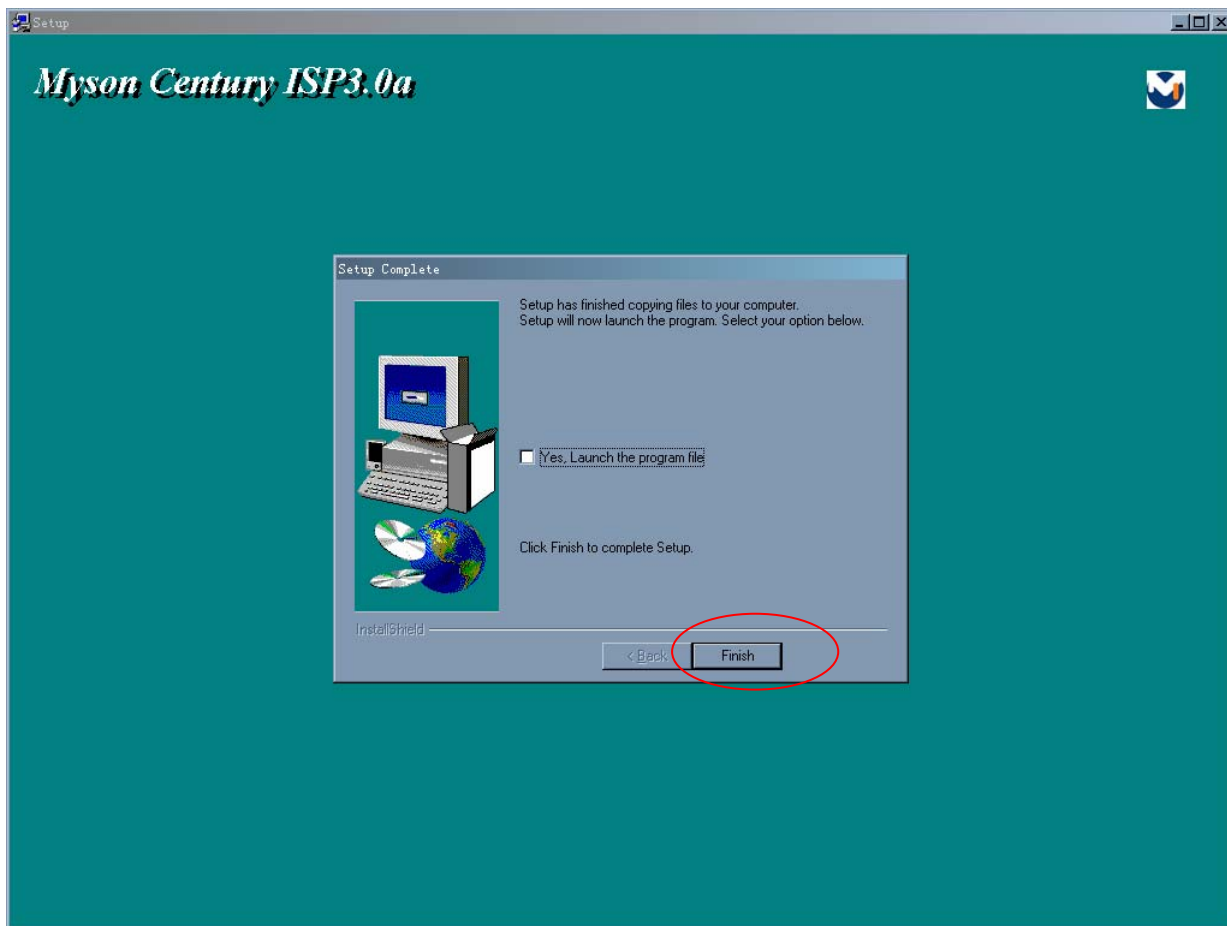




Installation will create a icon for ISP application in "START MENU" \PROGRAM

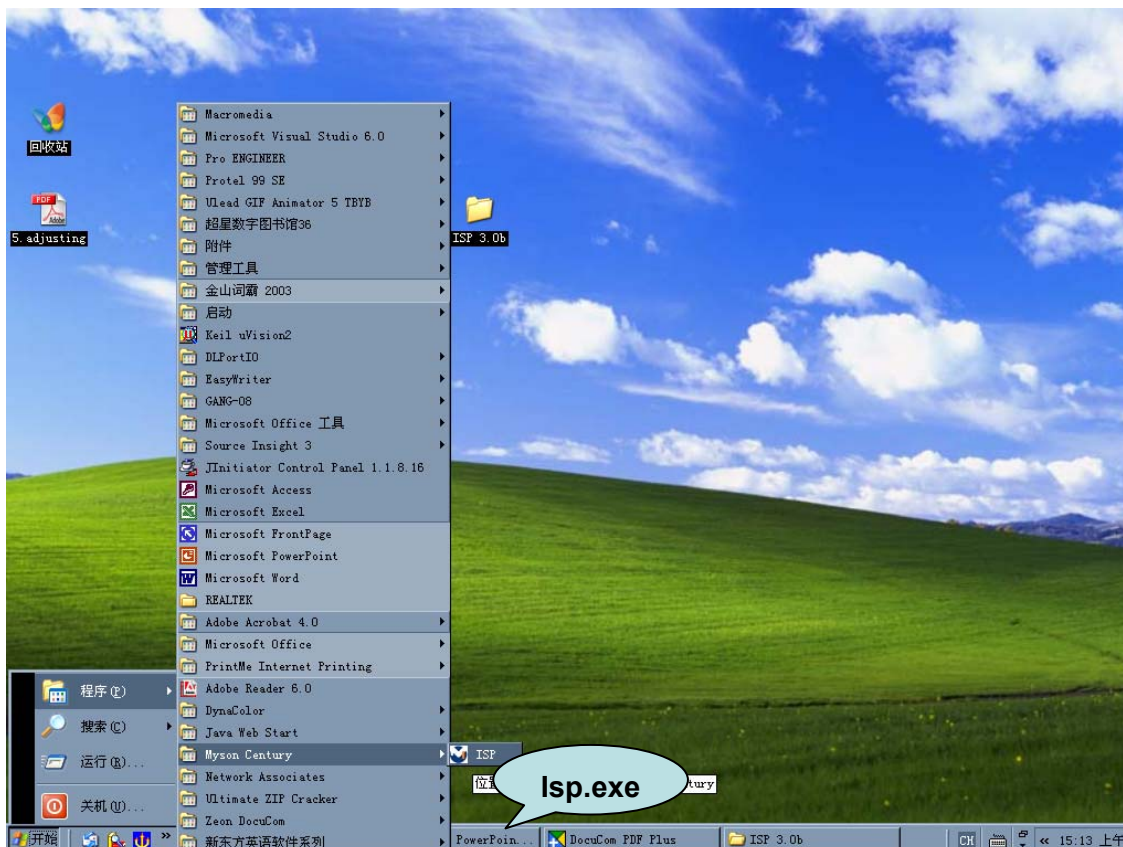


Press "finish" button exit setup

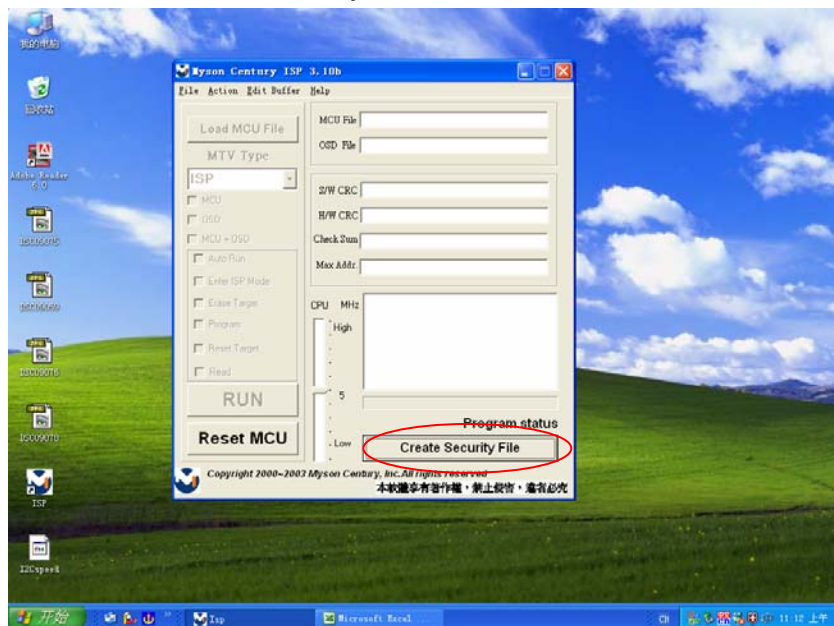


2.4. Firmware Upgrade Procedure

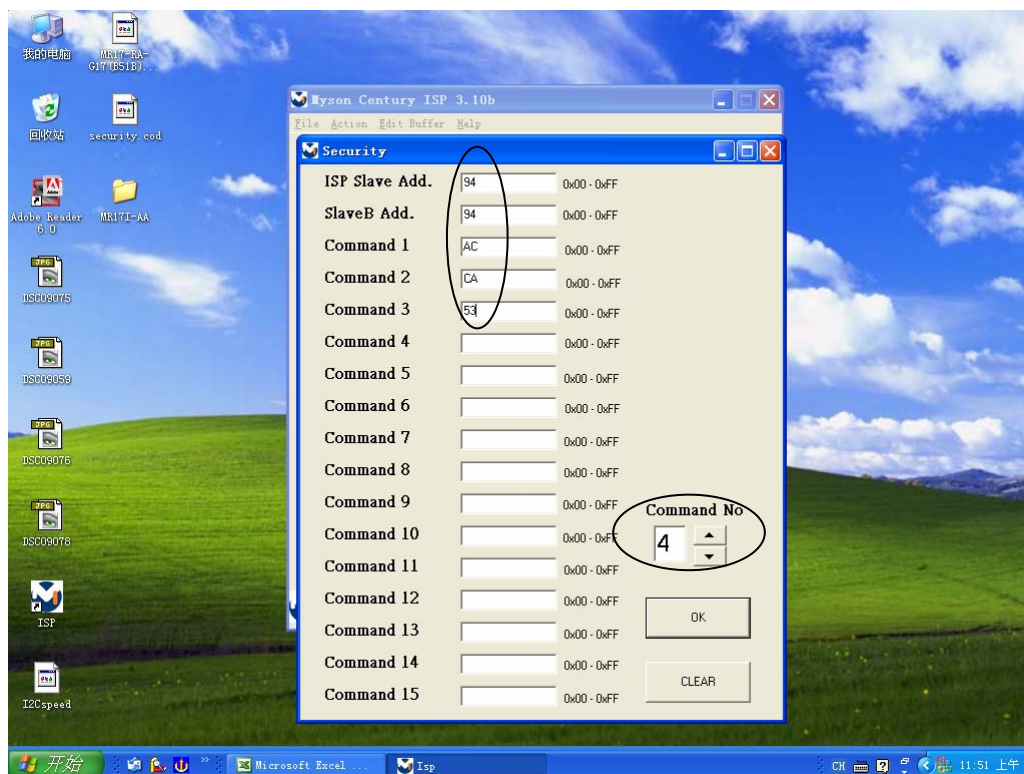
Step2.4.1 connect all kinds of cable with PC ok, turn on the computer and open the ISP.EXE



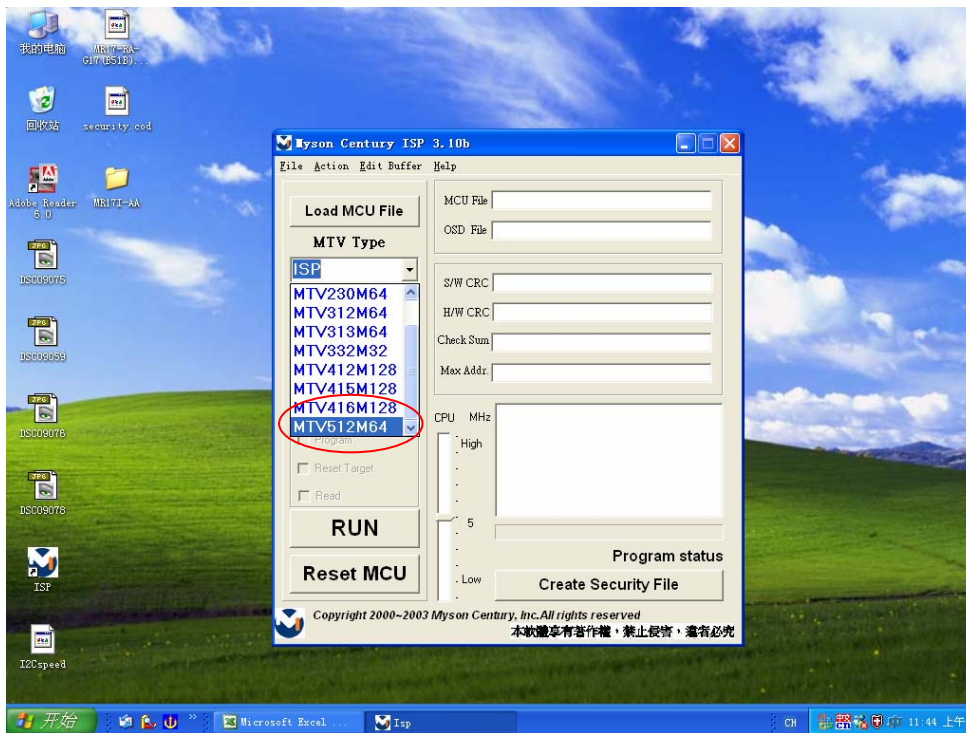
Step2.4.2 The “ISP.EXE” application is running as the below picture. Press the “create security file” Button to create a security file



Step2.4.3 In this dialog box, at first, key in or press the “up toward” key to change the command number to 4. second, key “94,94,AC,CA,53” in the ISP slave add. Slave b add. Command1. Command2. command3.table, the below form showed the data list

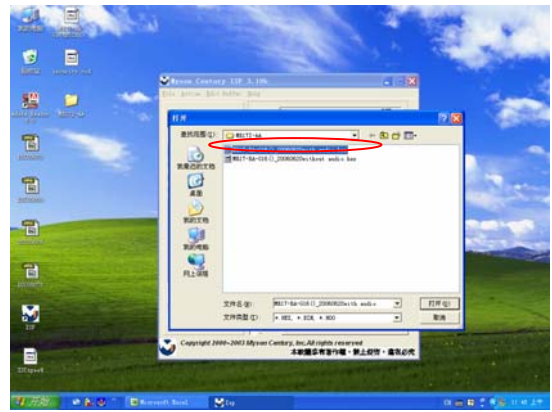
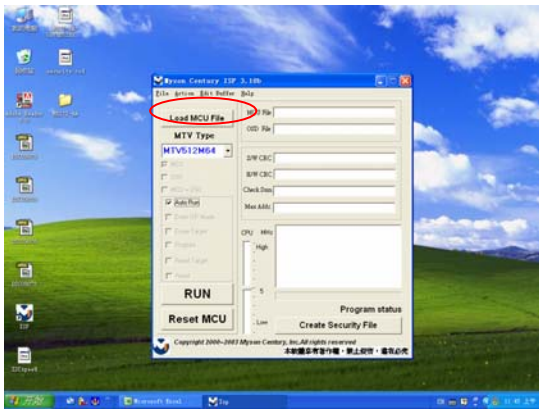


Step2.4.4 Select MTV Type in the “MTV type” list . VG730 monitor must be choose the “MTV512M64”option

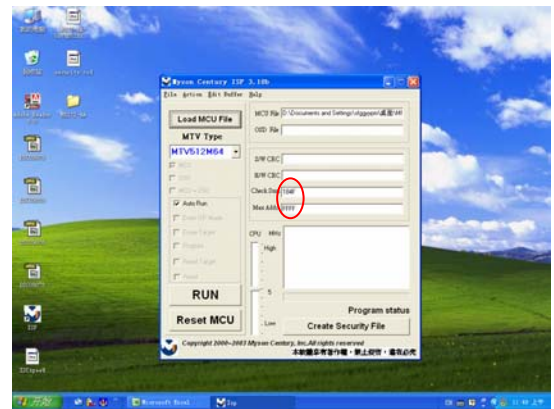
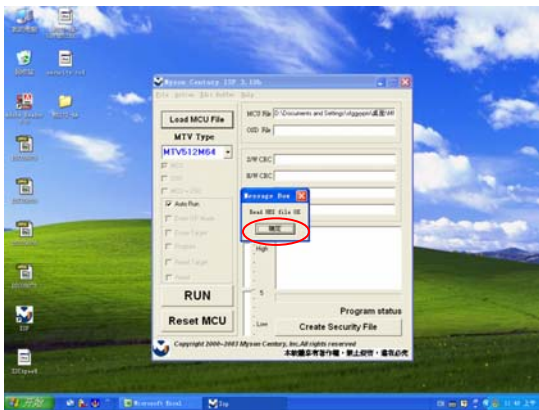


Step2.4.5 Load the MCU file to fire.

click the “load MCU file” button to entry to interface of setting current path and select the BIOS file in the disk



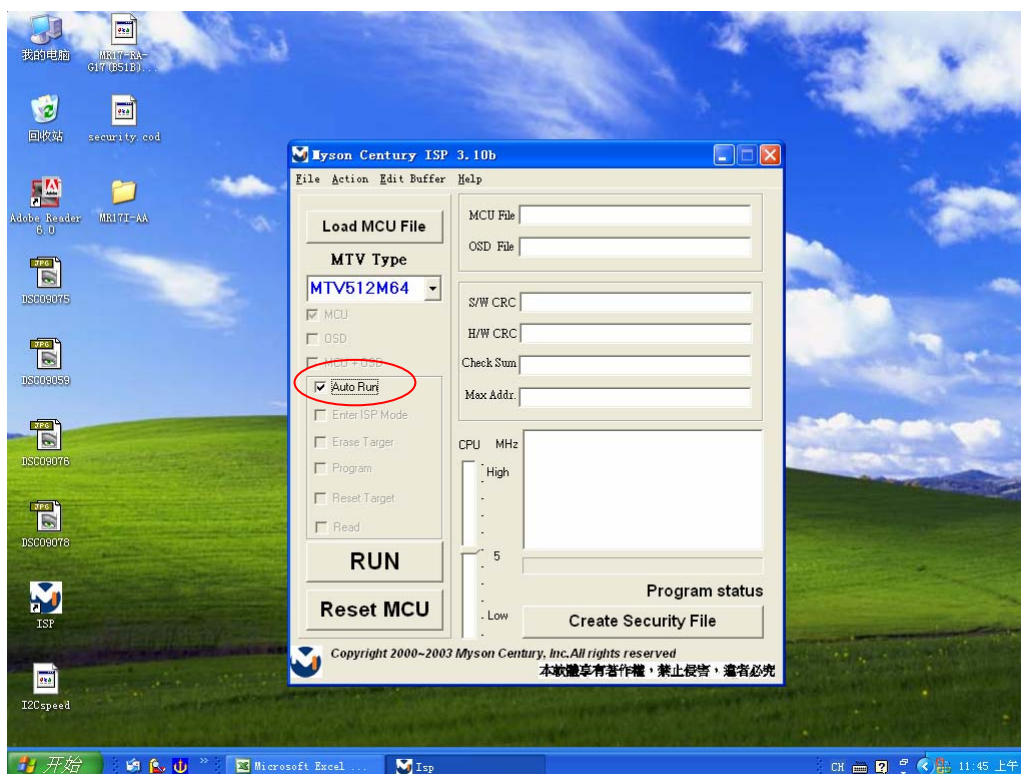
2. Entry to interface of selecting file



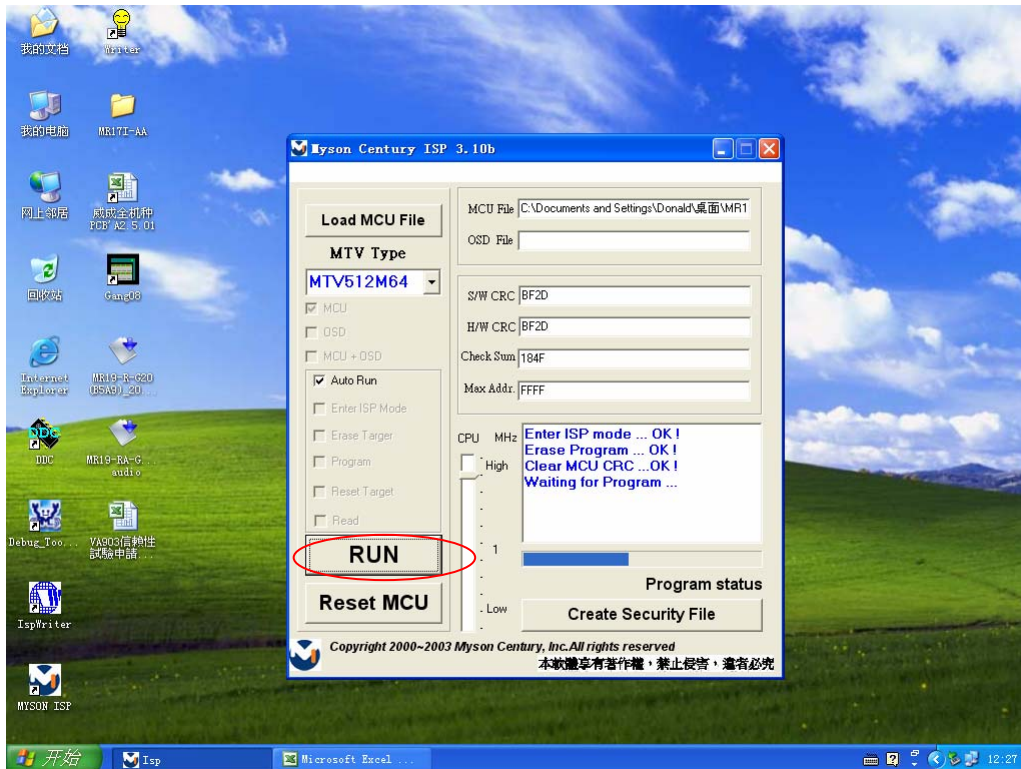
3. Open file and load file ok

4. Check the BIOS checksum

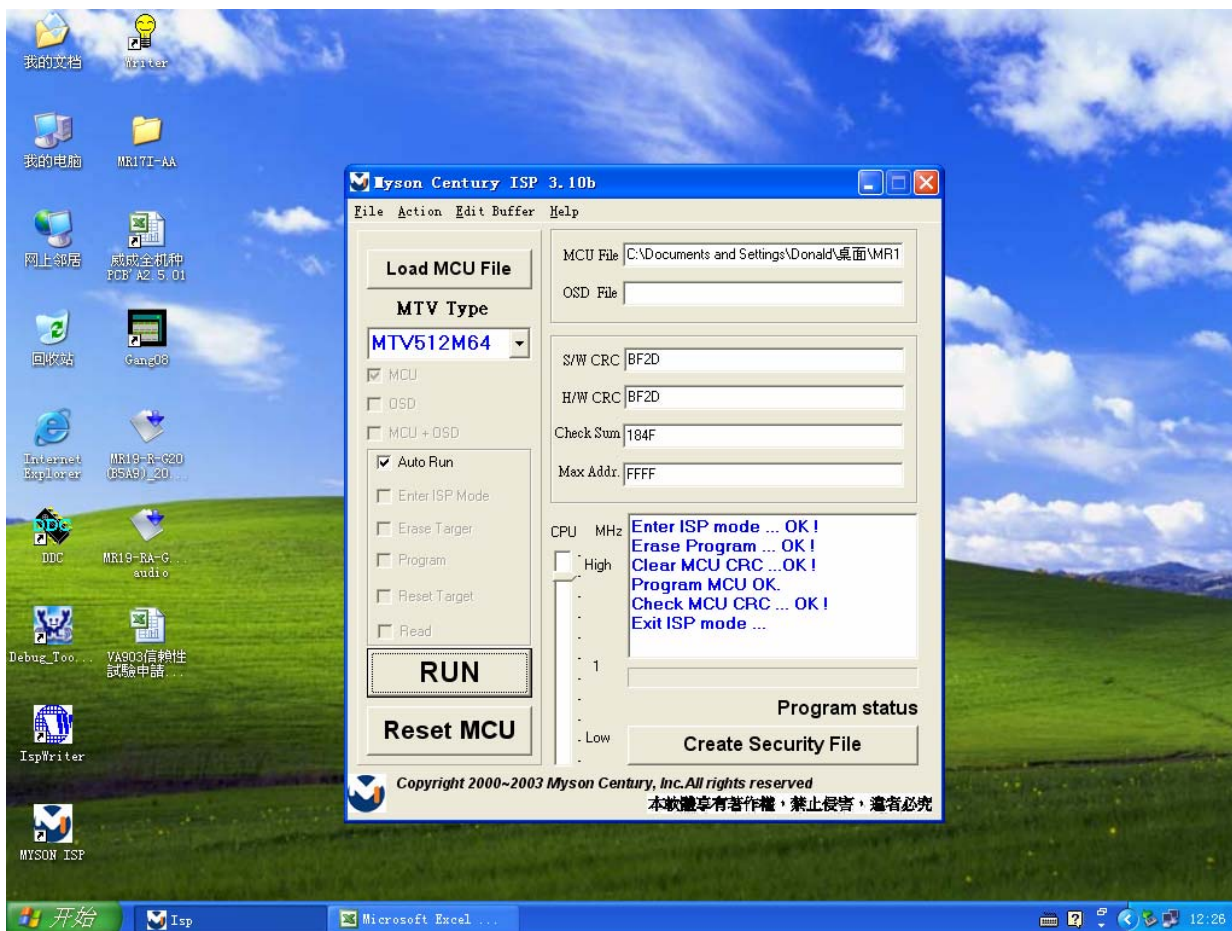
Step2.4.6 Select the program upgrade made must be select "autorun" mode at this .



Step2.4.7 click the “run” button to upgrade monitor’s firmware.



Step2.4.8 Firmware is upgraded ok .please check the data of “SW CRC” “H/W CRC”“CHECKSUM” “MAX ADDR” .



DDC Key In Procedure

Note:

1. After having assembled the monitor, please do the DDC Key In procedure.
2. If you find the DDC does not conform to the monitor, please do the DDC Key In again .

Equipment Needed

- VG730 Series Monitor
- RS232-VGA Cable*1
- RS232-DVI Cable*1
- AC POWER Cable*1
- TEST PC with WindowsXP
- Display Data Channel (D8330 DDC Card) to plug PC_PCI _Slot
- DYNACOLOR DDC Tester System software
- Barcode Scanner *1
- AC POWER Source
- one additional monitor for Test System displaying



PC



DDC CORD

D8330 CORD



Barcode Scanner



RS232-VGA Cable



AC POWER Cable



RS232-DVI Cable



DDC TESTER SOFT

1.2 Setup Procedure

- 1 Open computer's box cover, plugged D8330 CORD in PCI slot, closed cover and connect AC power
- 2 , Monitor, Barcode Scanner, Mouse, Keyboard with PC
- 3 .1 Connect RS232-VGA cable to DDC RS232 OUT port of PC (if you do DDC Key In for D_SUB)
- 4 Connect RS232-DVI cable to DDC RS232 OUT port of PC (if you do DDC key In for D_DVI)
- 5 Turn on PC power, choose DDC Tester System application, run it
- 6 Connect AC power ,RS232-VGA with VG730 Monitor.
- 7 DDC Key In

NOTE:

Barcode Scanner and Keyboard plugged in Keyboard port of computer together



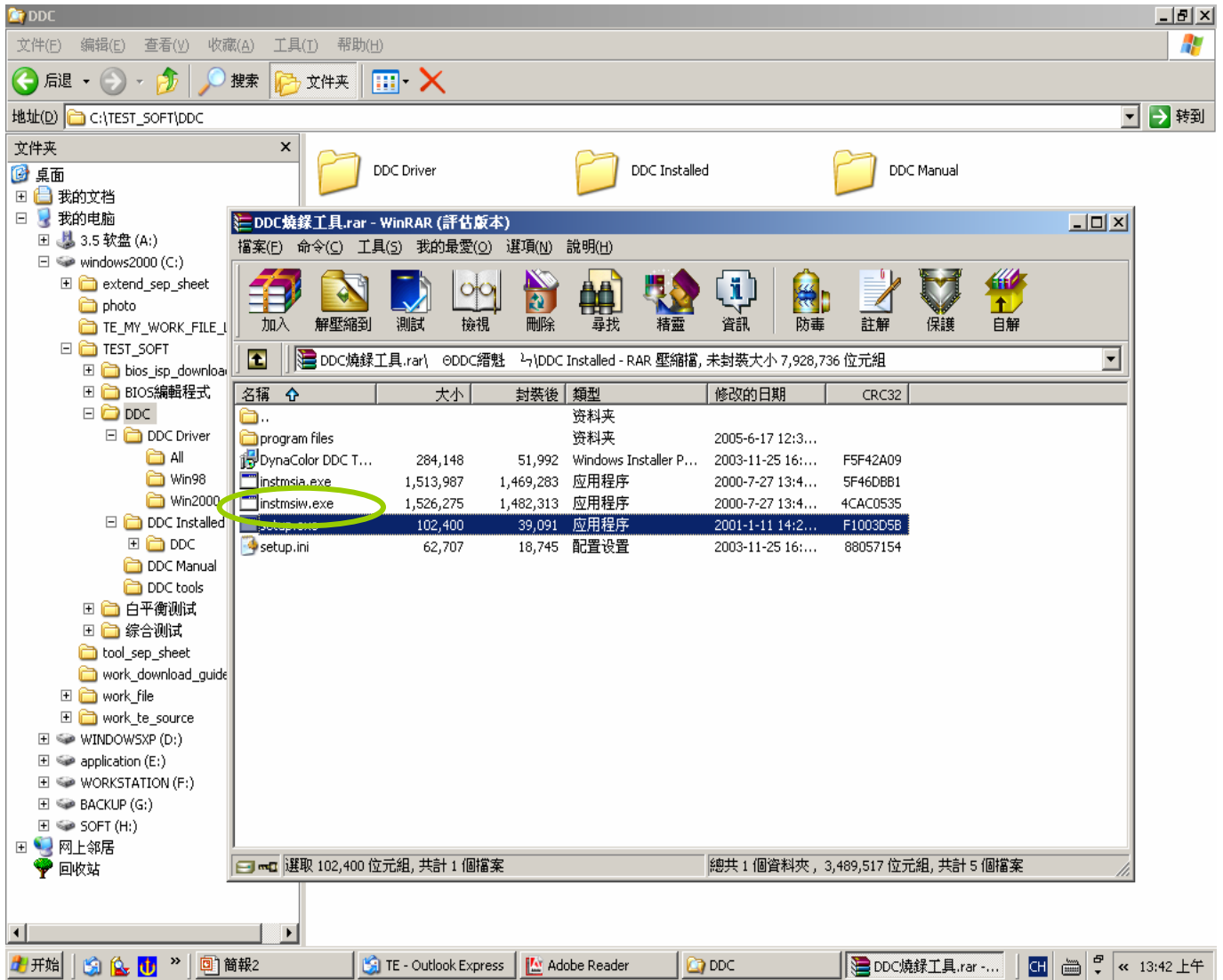
DDC RS232 output port

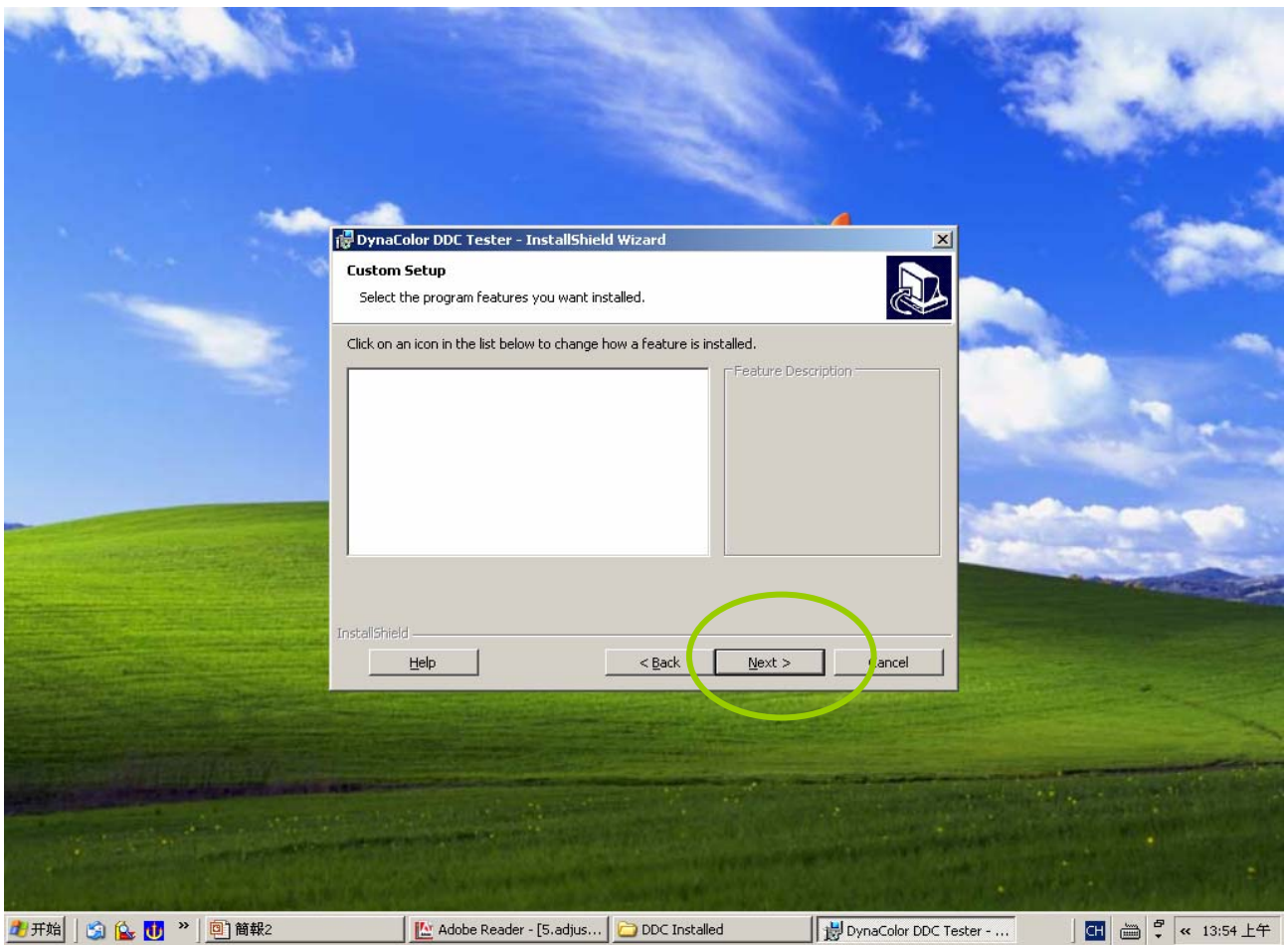
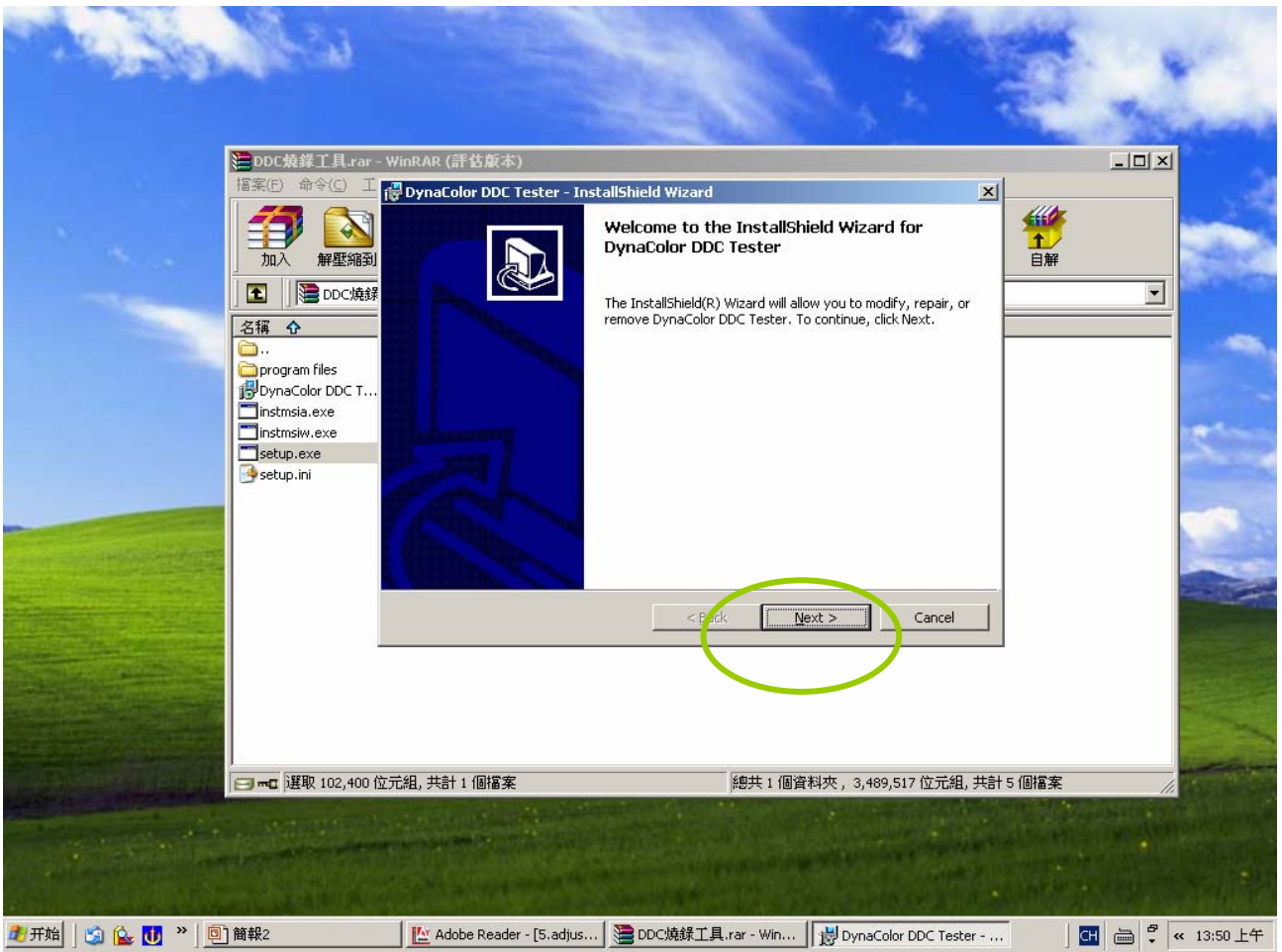
RS232-VGA & RS232-DVI cable

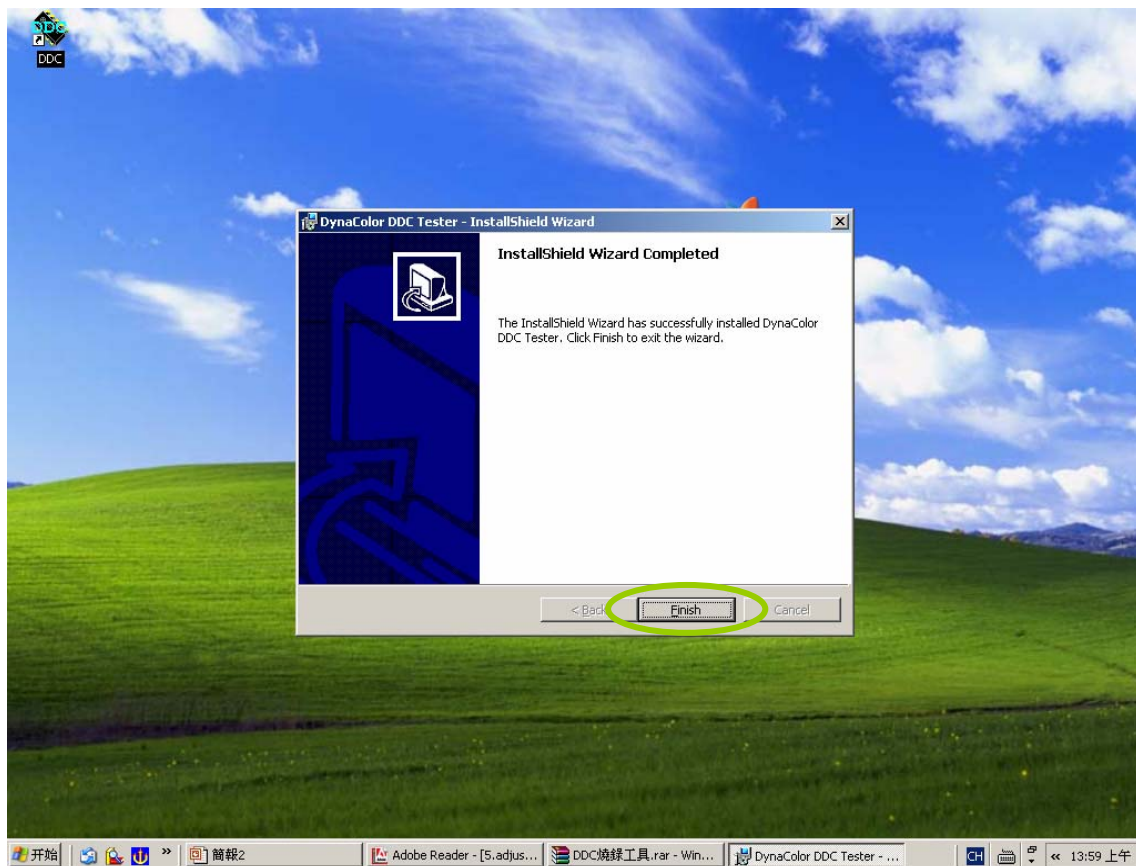
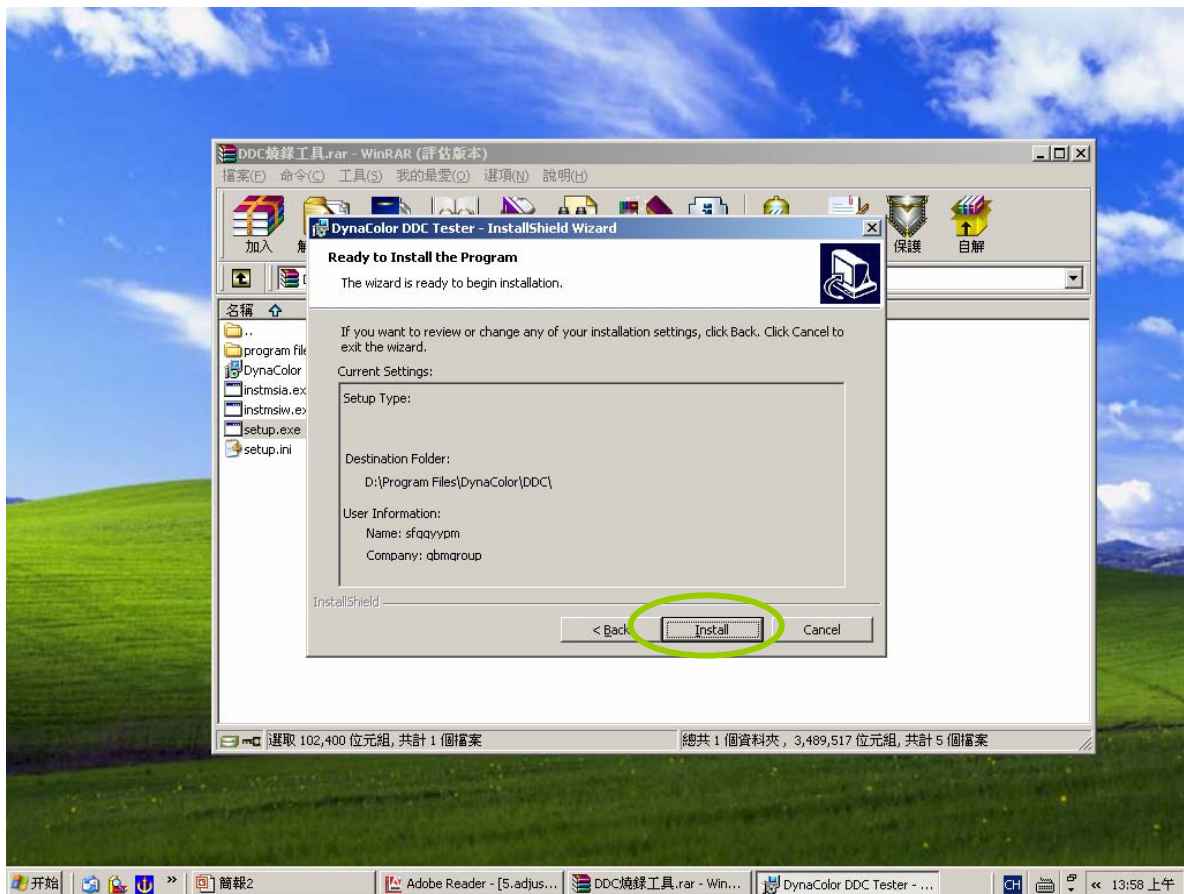
1.3 DDC TESTER SYSTEM SOFT SETUP(from setup file)

NOTE: Before install DDC Tester System Soft , please checking the D8330 CORD is plugged Or the DDC Tester application could't be run .

1.3.1 Install DDC Tester System by selecting and checking setup.exe icon. Press “YES” or “NEXT” Buttons until the installation is completed.

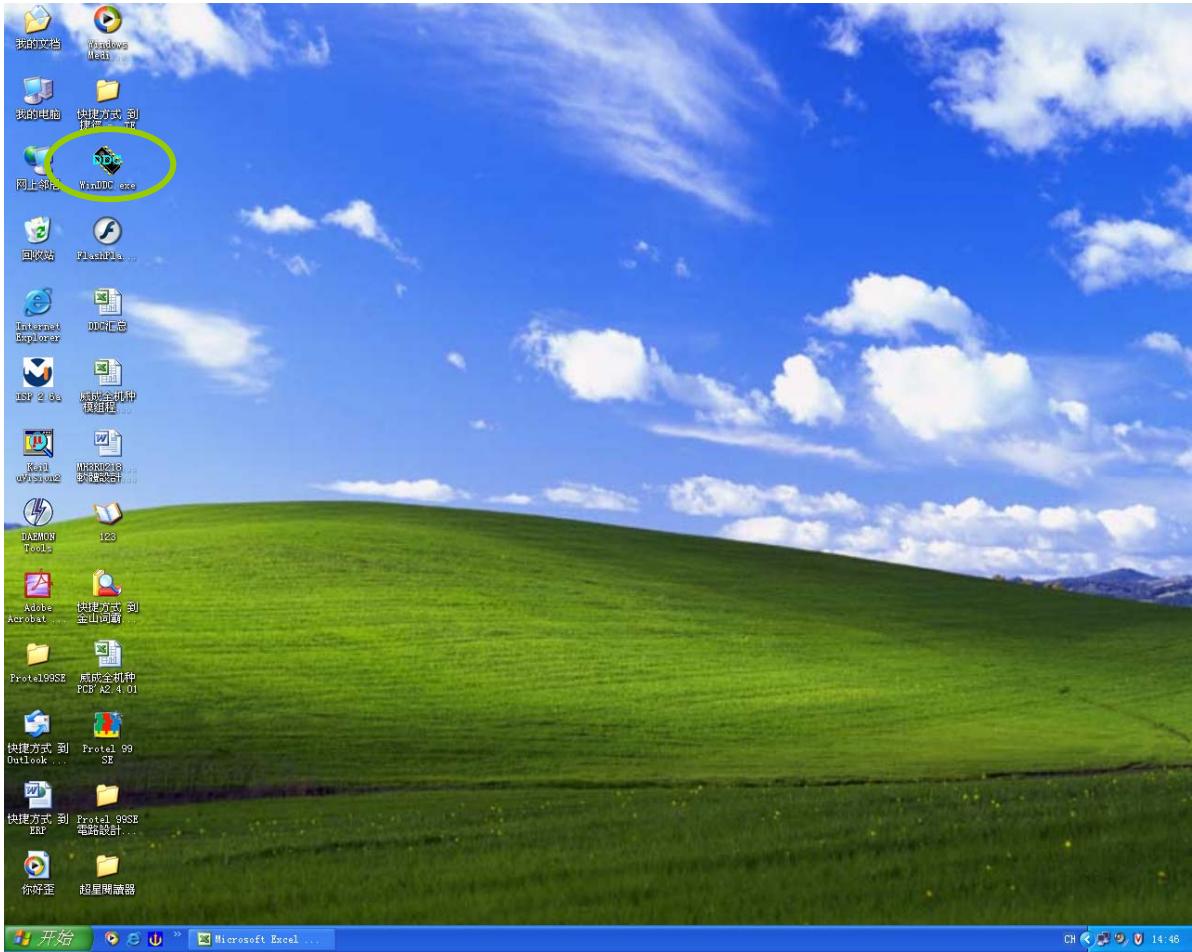






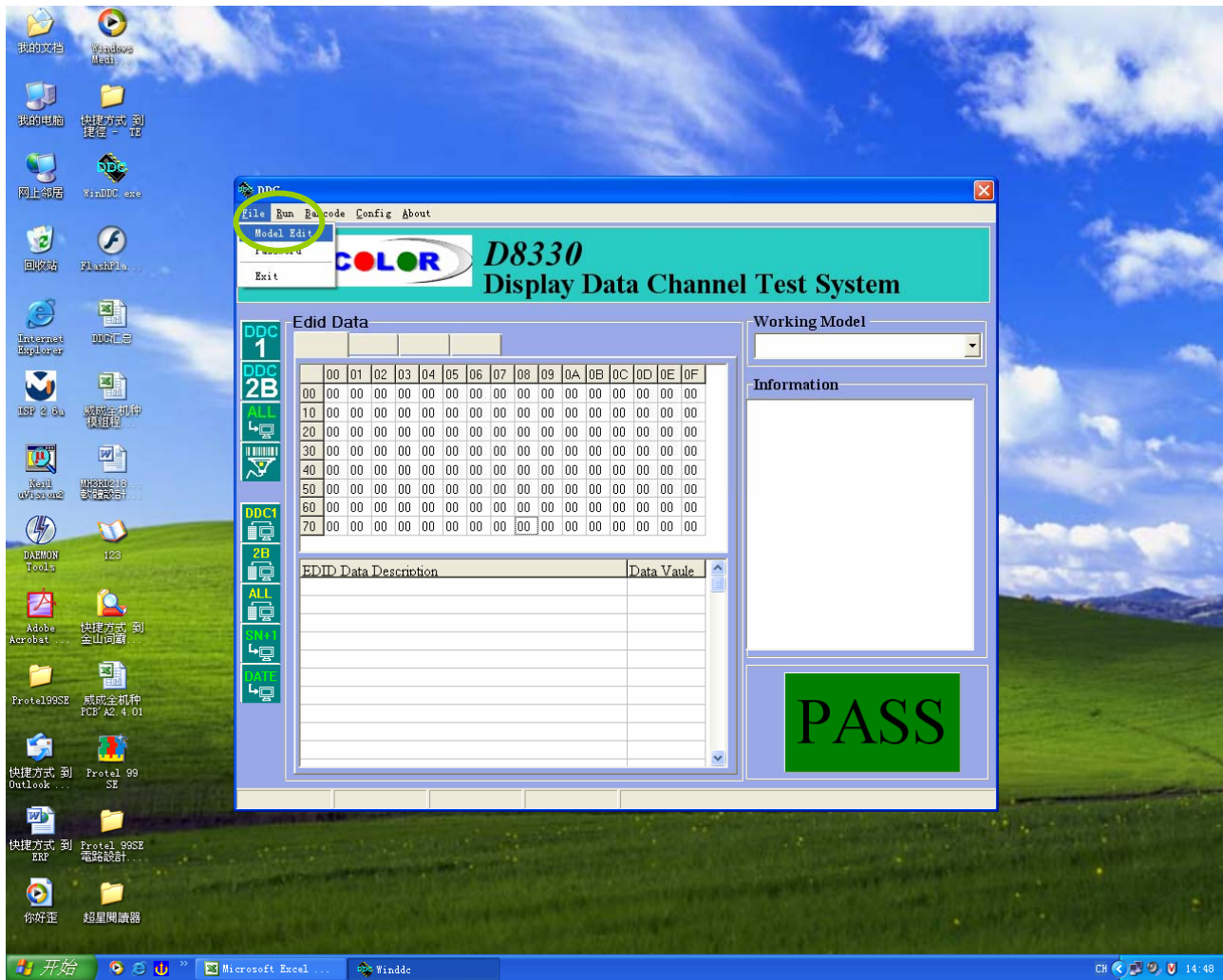
1.4.0 DDC Key In Procedure

Step 1 select and execute DDC Key In program (winDDC.exe icon on desktop)

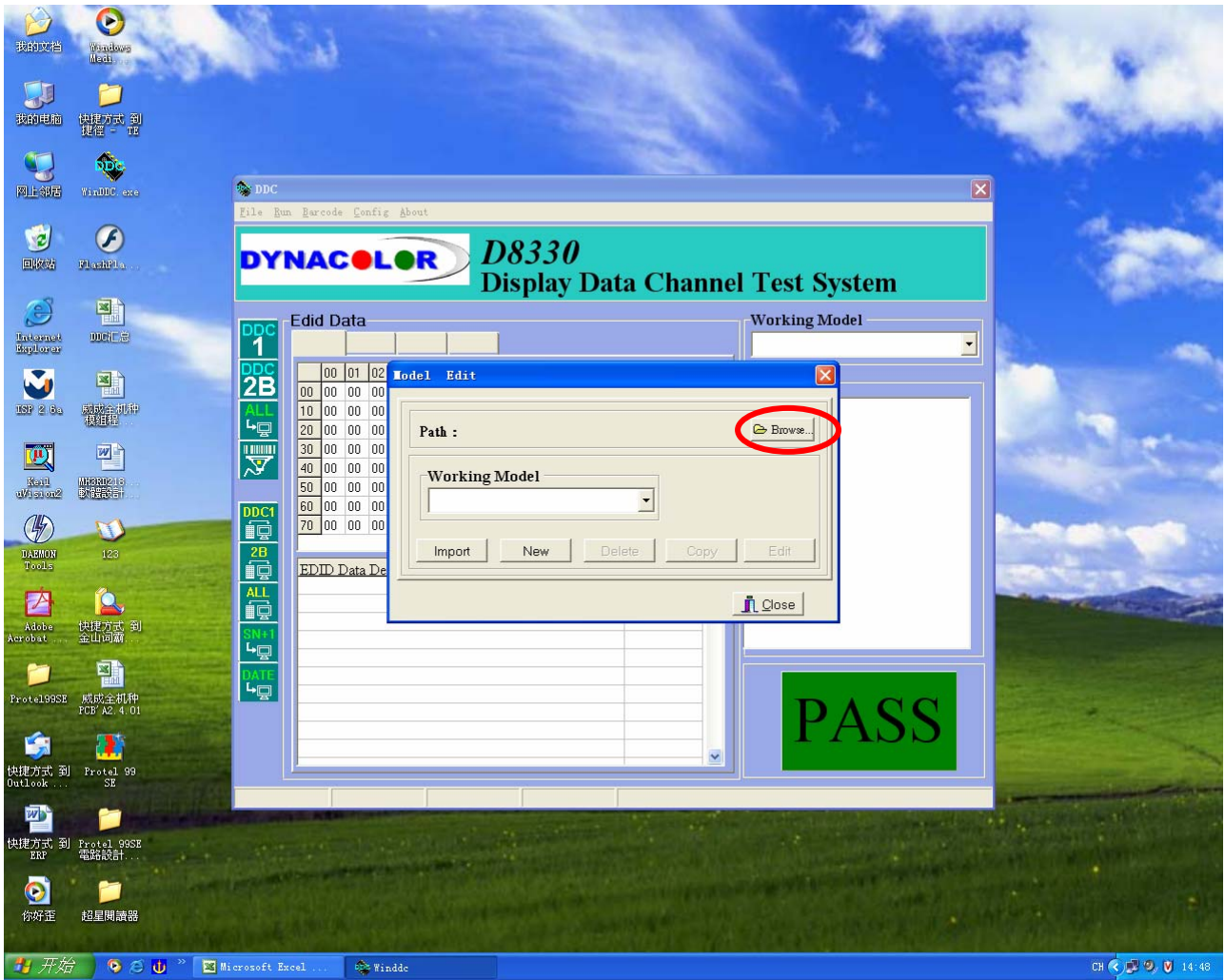


Step 2 Load DDC source file

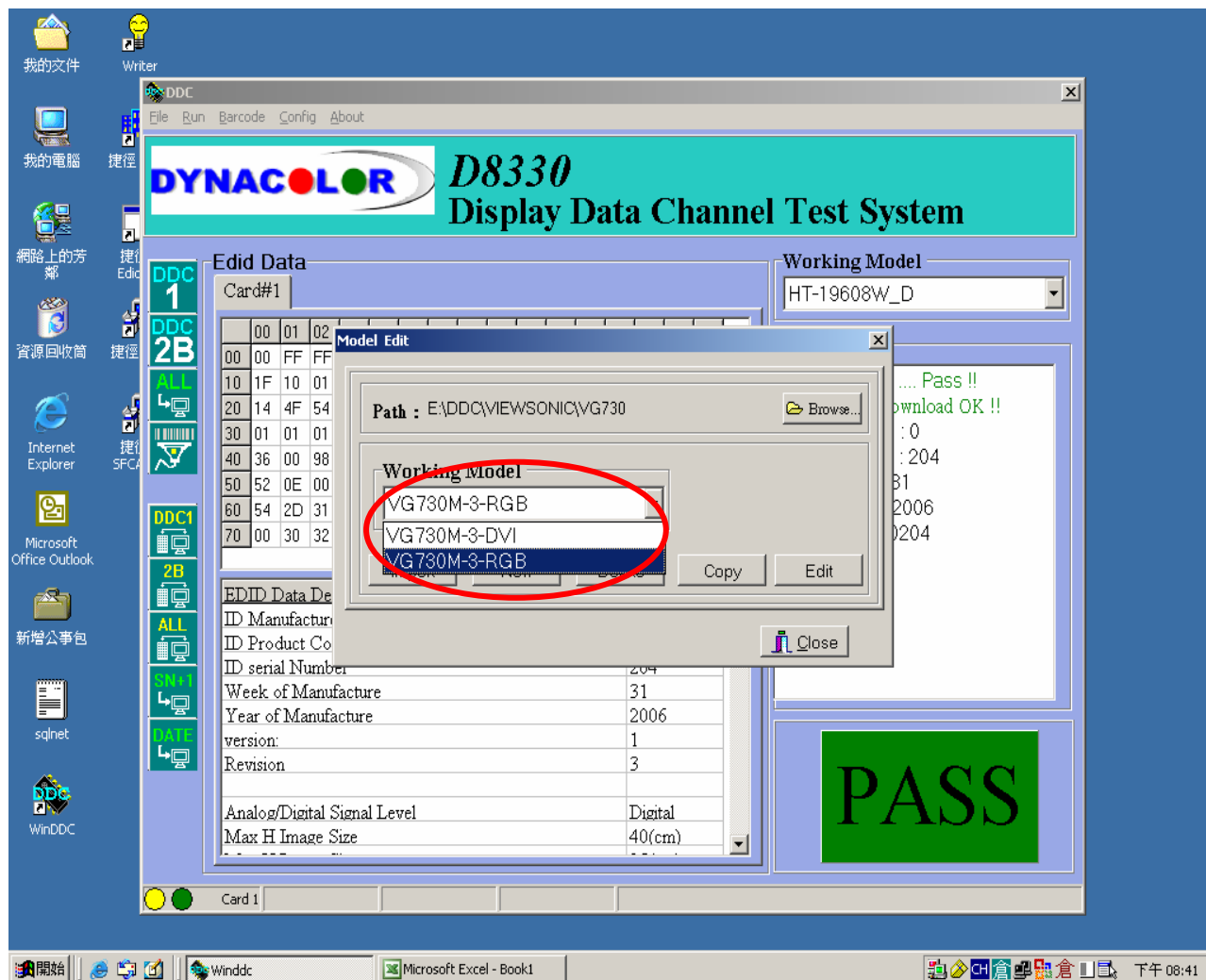
Step2.1 Choose "File "menu, click "Model Edit "and entry" model edit "ialog box



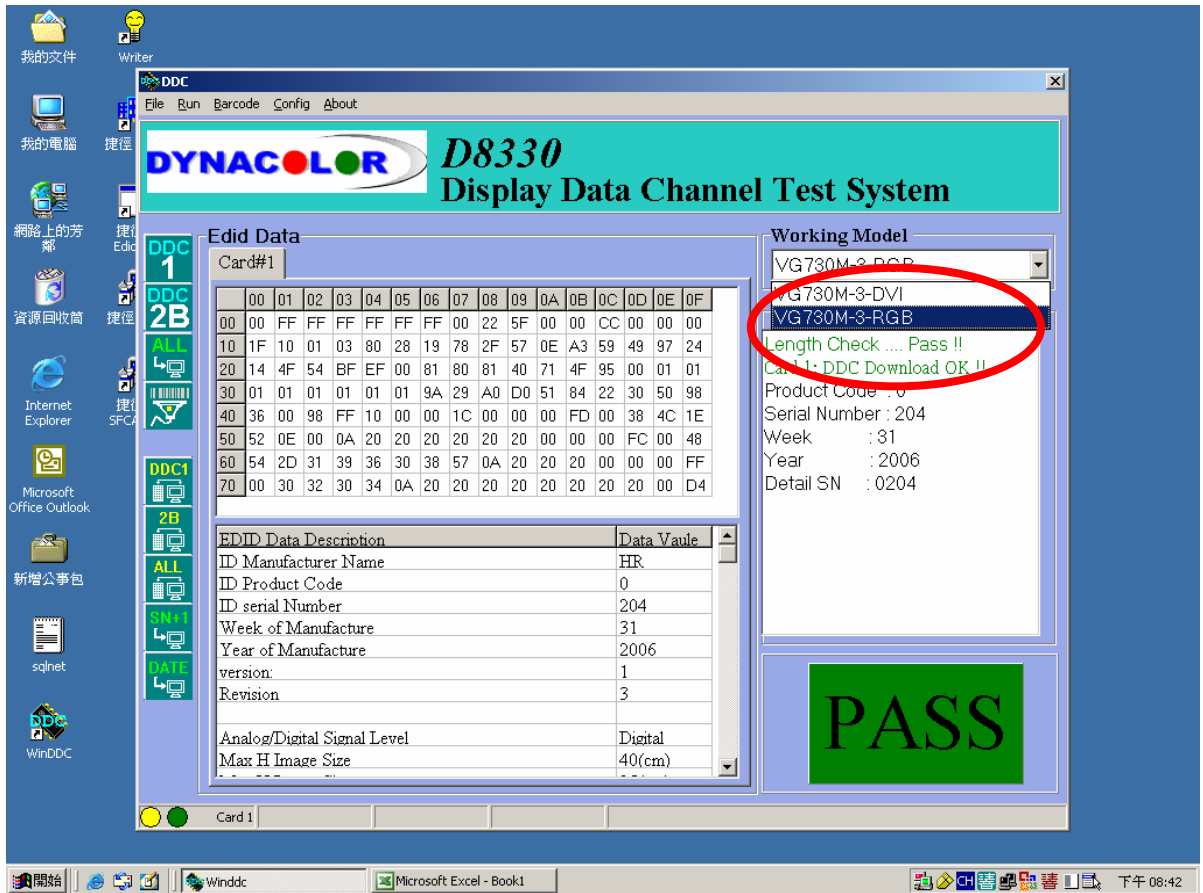
Step2.2 Press "Browser" button , set current DDC_LOAD_FILE working path



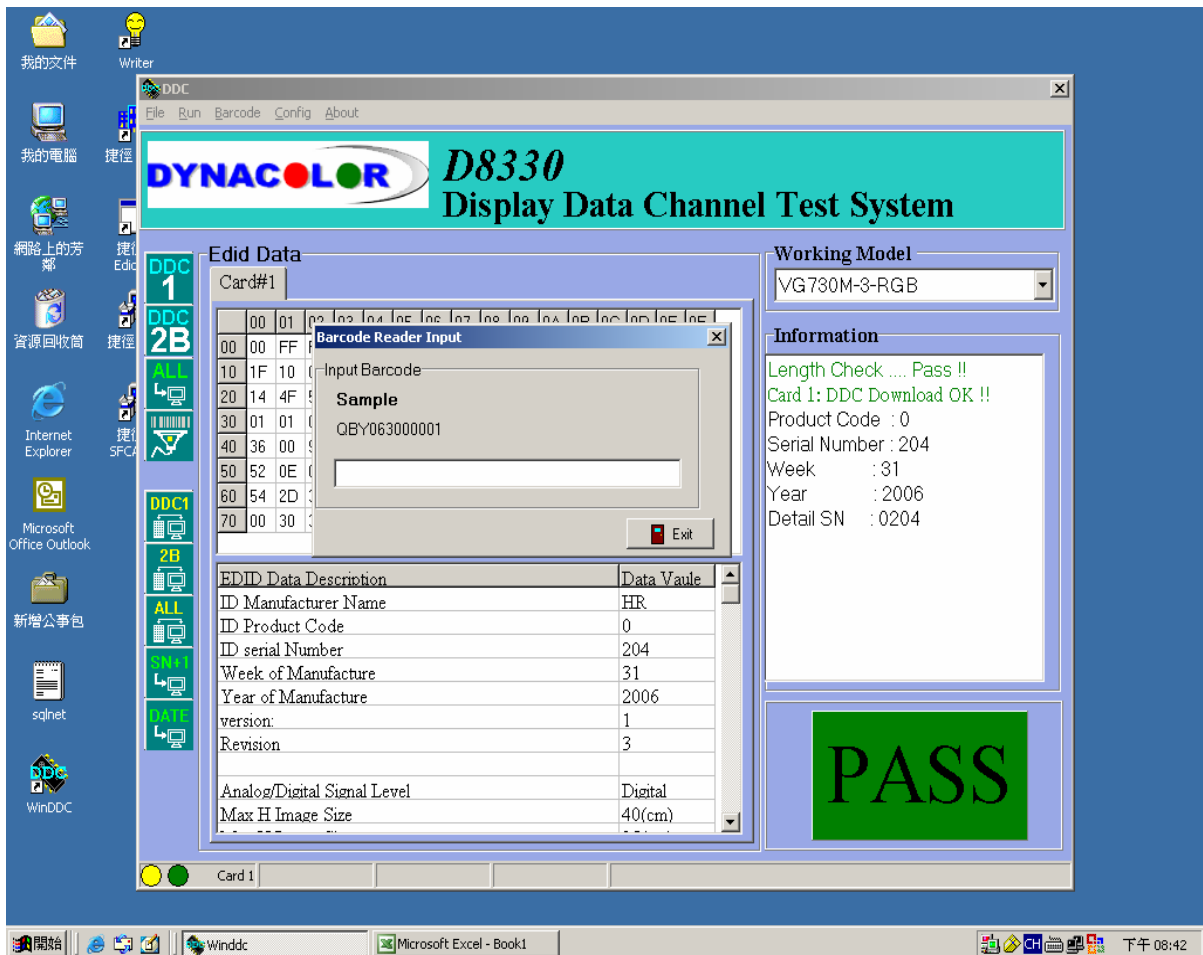
Step2.3 click "working Model", select Model in list box



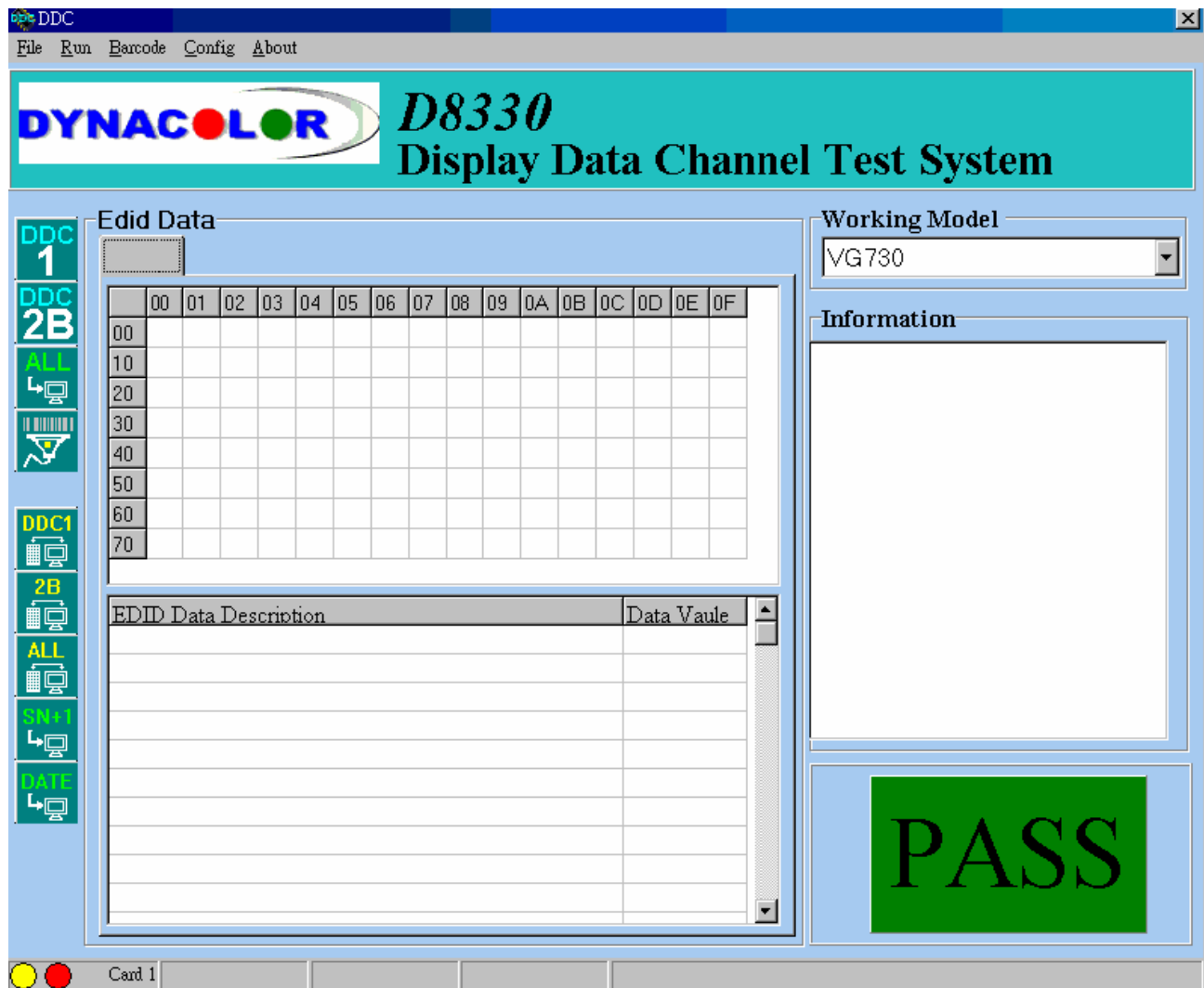
Step2.4 Return to main windows of “WinDDC.exe”. And choose DDC file in “work Model” down-list box



Step3 Double click the “input barcode” icon at the toolbar, Key in the serial number or Use Barcode Scanner to scan the barcode of the monitor. and press the “enter” key .

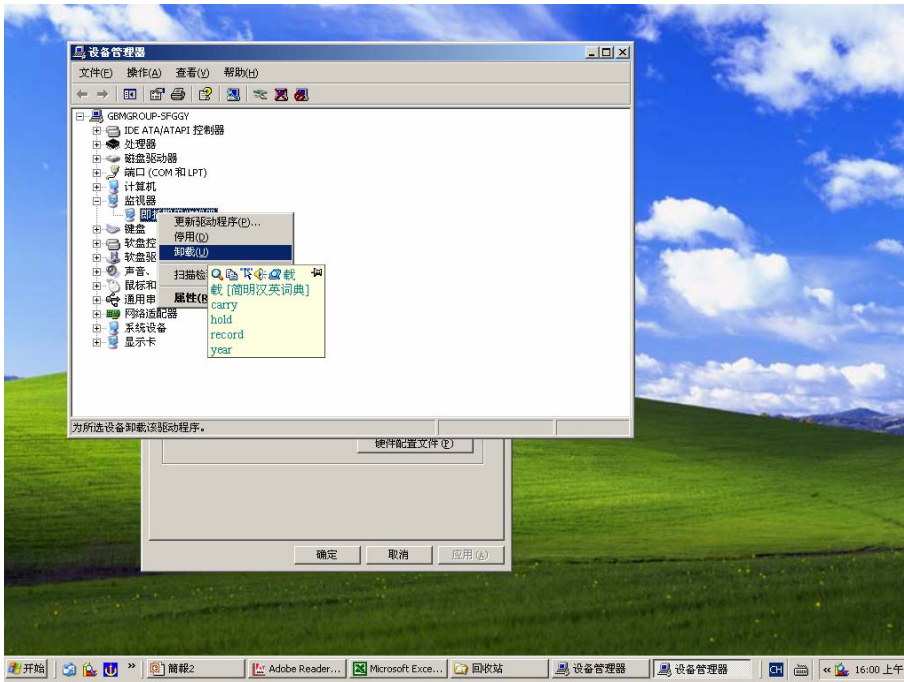


Step 4 The successful picture is as follows. The EDID data Description will appear the bottom of windows
 The EDID Data will appear the top of windows.

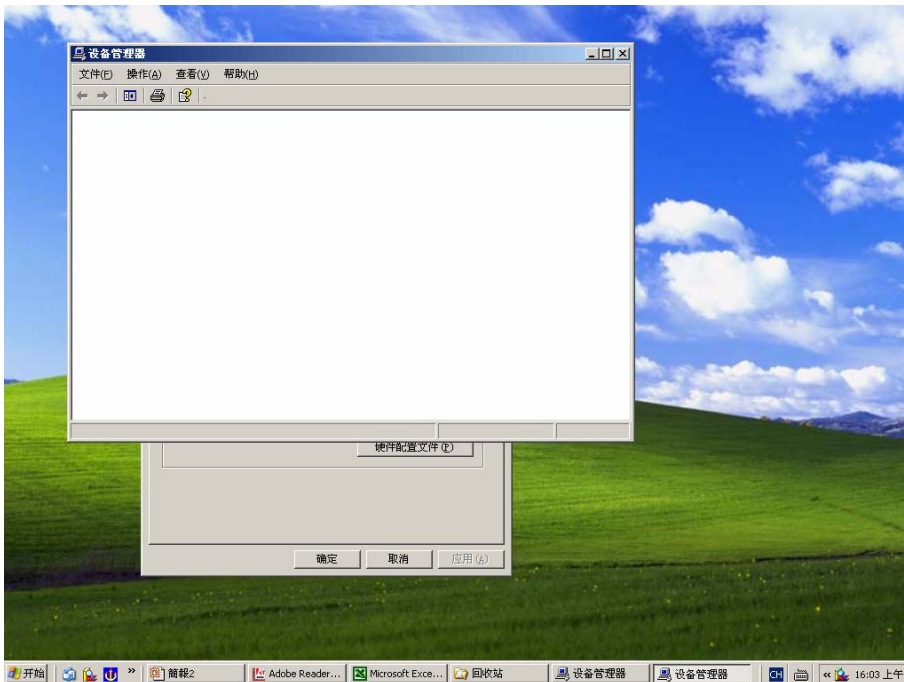


Step 5 Checking Methods

Step5.2 open up the “my computer” attribute dialog box, select the “hardware” option, open up “drive management”. Below the monitor catalog, uninstall the monitor.



Step5.3 Scan the hardware change ,until system find the new monitor driver



Step5.4 Select and click the “EDIDW2K.EXE” file, the EDID information will show on the screen



Setp5.5 Ckeck the DDC

```
EDIDW2K
View Test Refresh Rate Options

/////////Displaying Monitor EDID/////////

128 bytes EDID Data (Hex):
  0  1  2  3  4  5  6  7  8  9
0: 00 FF FF FF FF FF FF 00 5C A9
10: 01 00 49 07 00 00 0D 0F 01 03
20: 00 26 1E 78 2E 6D 55 A2 5A 4E
30: 9B 23 16 50 54 BF EF 80 81 80
40: 71 4F 00 00 00 00 00 00 00 00
50: 00 00 00 00 30 2A 00 98 51 00
60: 2A 40 30 70 13 00 78 2D 11 00
70: 00 1E 00 00 00 00 00 00 00 00
80: 00 00 00 00 00 00 00 00 00 00
90: 00 00 00 FD 00 38 4B 1F 53 0E
100: 00 0A 20 20 20 20 20 20 00 00
110: 00 FC 00 0A 20 20 20 20 20 20
120: 20 20 20 20 20 20 00 AF

Decoded EDID data

<---Header--->
Header:          00 FF FF FF FF FF FF 00
<-x-Header-x->

<---Vendor/Product Identification--->
ID Manufacturer Name:  WEI
ID Product Code:      1
ID Serial Number:     00000749
Week of Manufacture:  13
Year of Manufacture:  2005
<-x-Vendor/Product Identification-x->

<---EDID Structure Version/Revision--->
EDID Version#:       1
EDID Revision#:      3
<-x-EDID Structure Version/Revision-x->

<---Basic Display Parameters/Features--->
Video i/p definition:  Analog
Setup:                Blank-to-Black not expected
Seperate Syncs. support:  No
Composite Sync. support:  No
Vsync. Pulse:         serration not required
Max Horz Image Size:   38 cm.
Max Vert Image Size:   30 cm.
Display Gamma:         2.2
Display Type:          RGB color display
Standard Default Color Space:  Yes
```

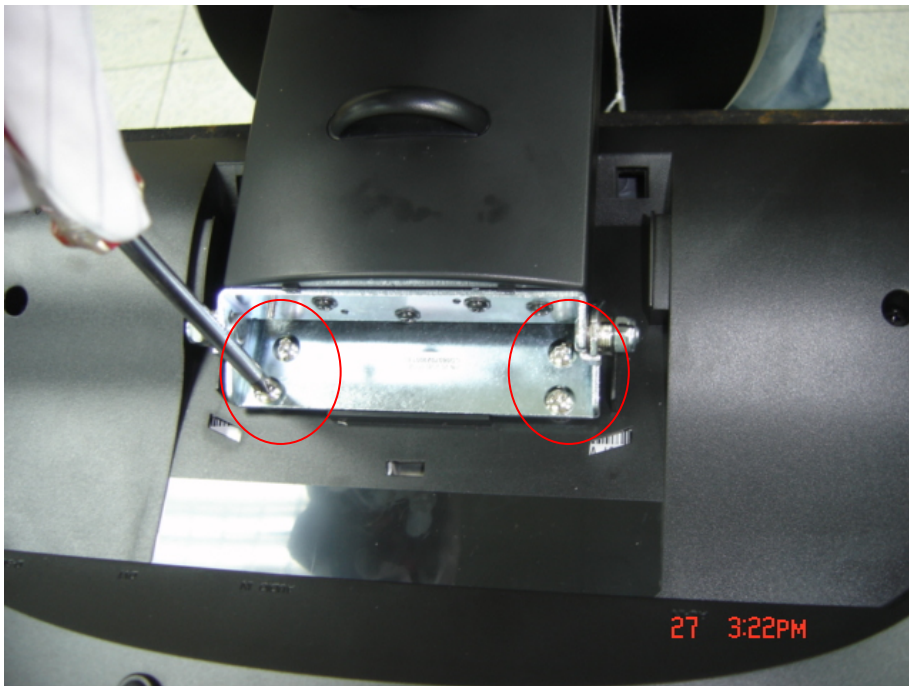
Packing For Shipping And Disassembly Procedure



1. (Take down the cover of bracket)



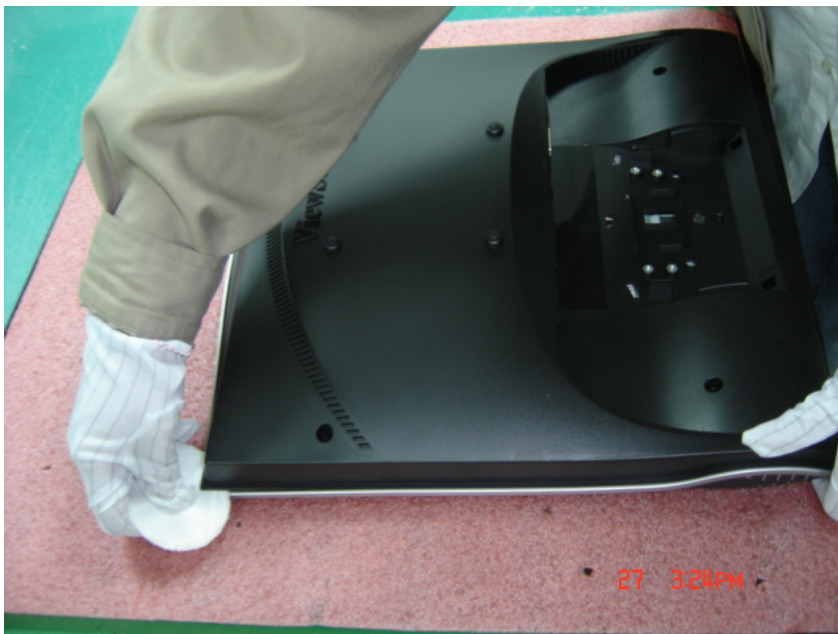
2. (4PCS) (Take down fixed screws on hinge)



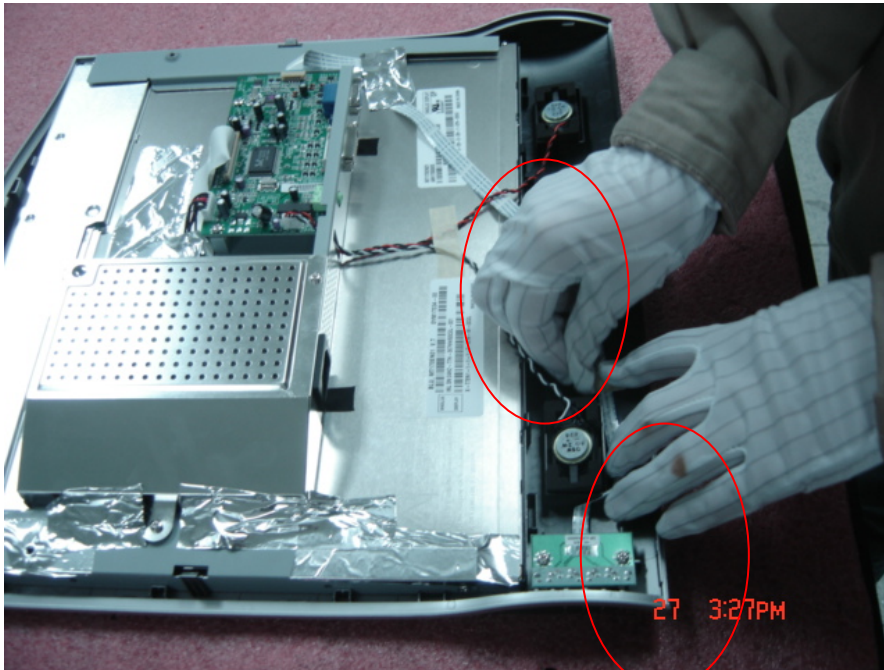
3. (3PCS) (Take down the rear cover screws)



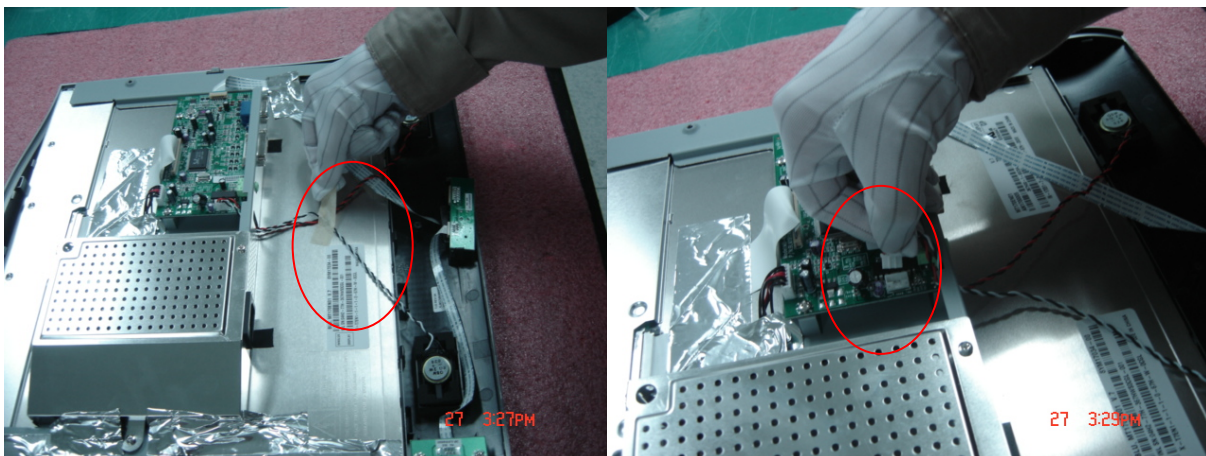
4. (Take apart the rear cover)



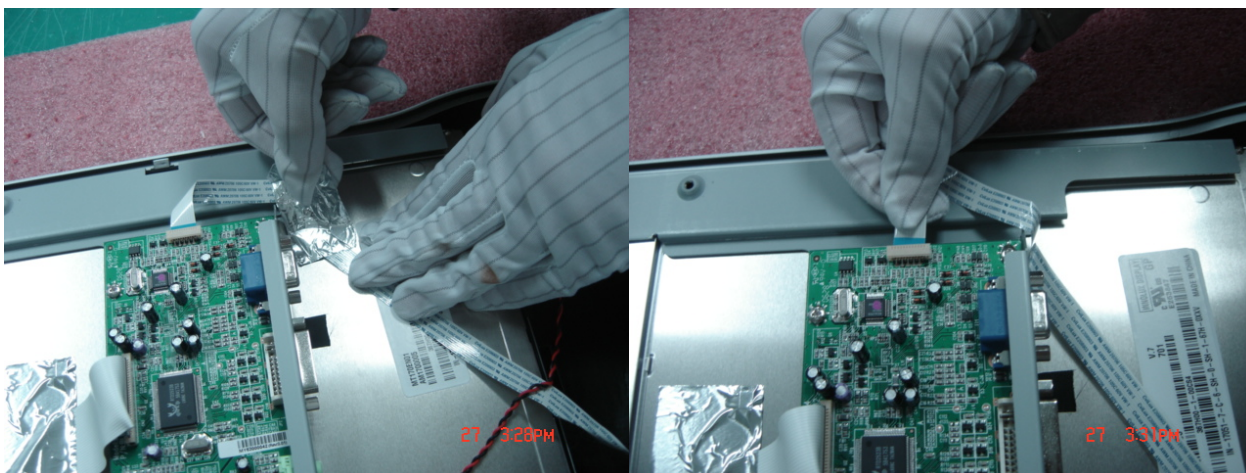
5. (Take down the speaker for right & left)



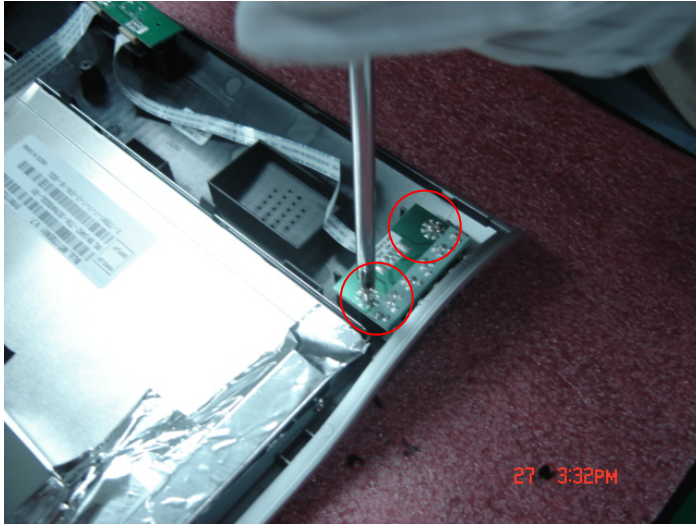
6. (Take down fixed wire of speaker; Unplug the wire of speaker)



7. (Take down fixed ALT of wire on key-board; then, Unplug wire of main board)



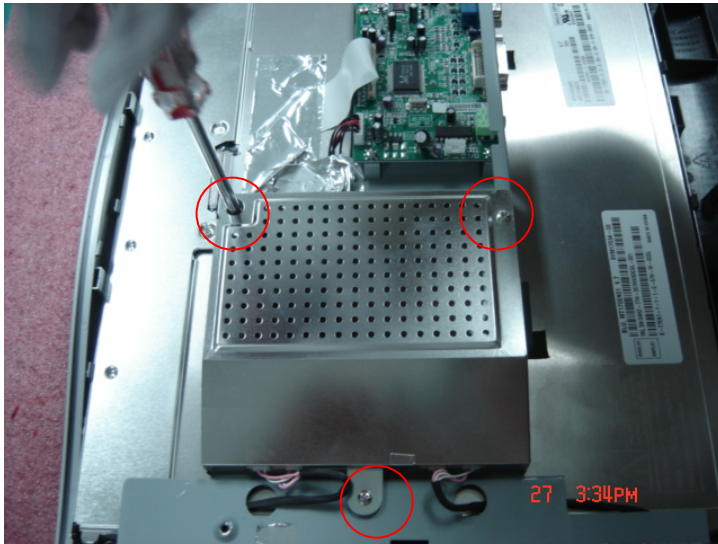
8. (Take down the screws on key-board)



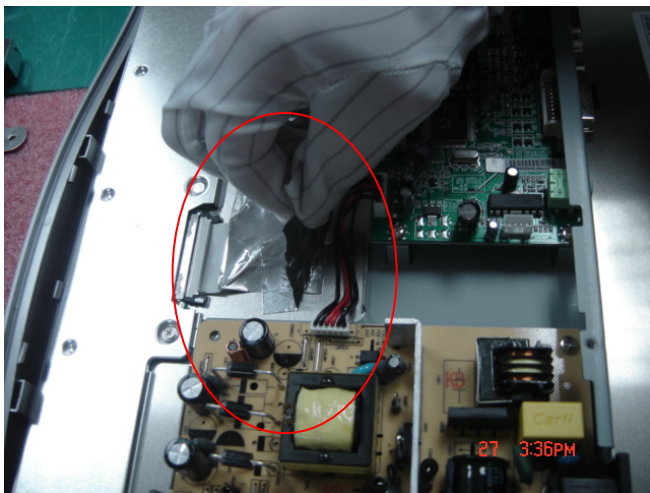
9. ((Take down the ALT of wire on lamp)



10.(Take down the screws on screen cover)



11. (Take down the ALT of wire with main board & power board)

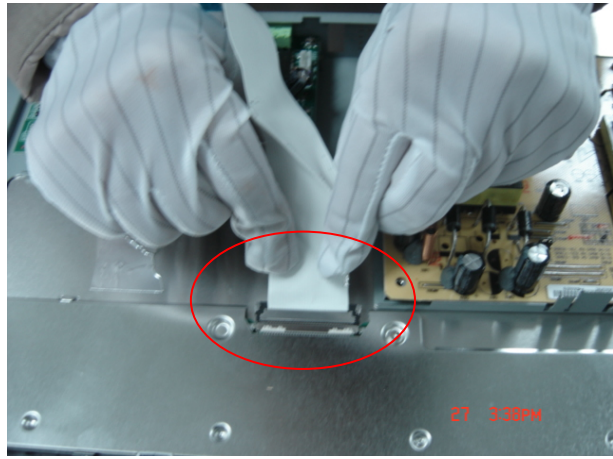
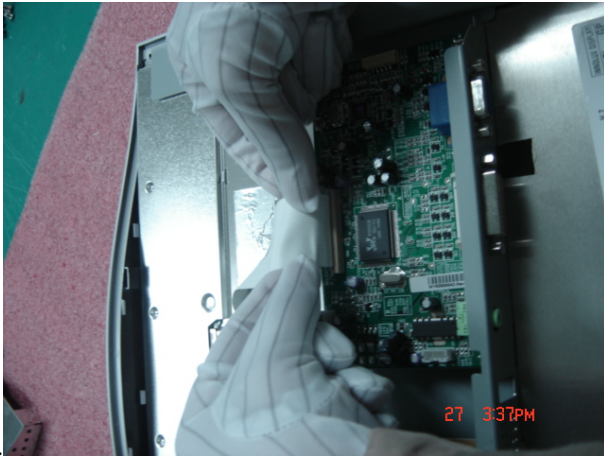


12. (Take down fixed the FFC ALT)

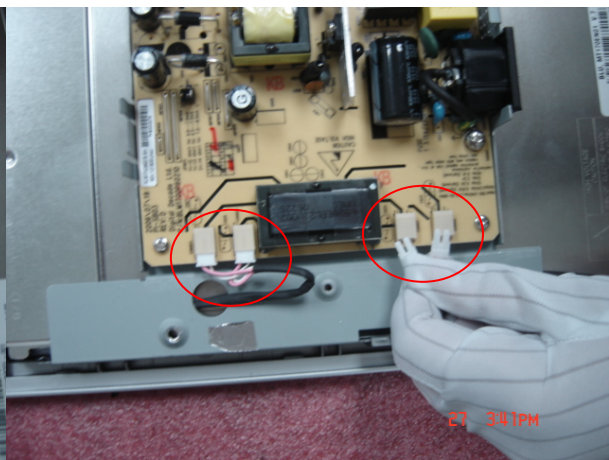
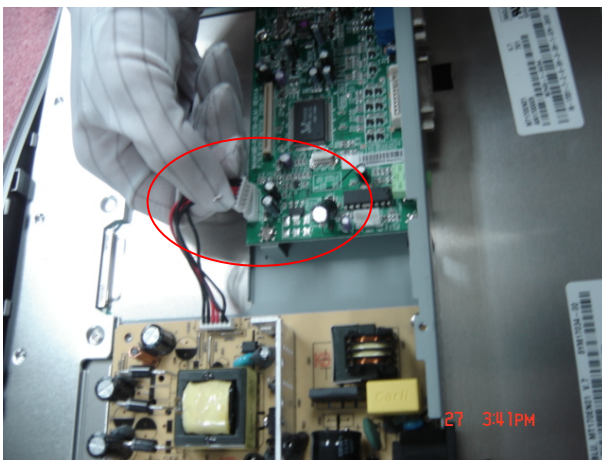


(Take down the FFC)

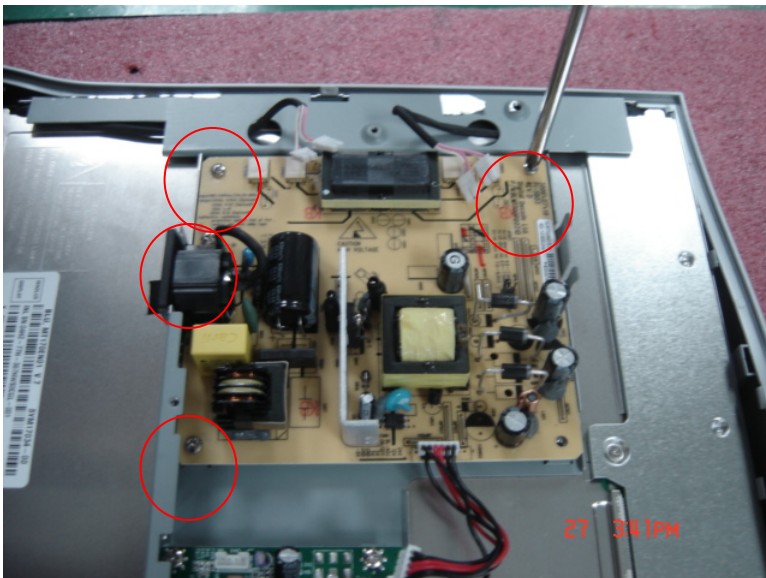
13 (Take down the FFC)



14. (Unplug the linked wire with main board & lamp)



15. Take down the screws of power board & then take down the power board)





16. (Take down the screws of main board & then take down the main board)





17. Tear down the around hook outside, and then take down the Bezel.

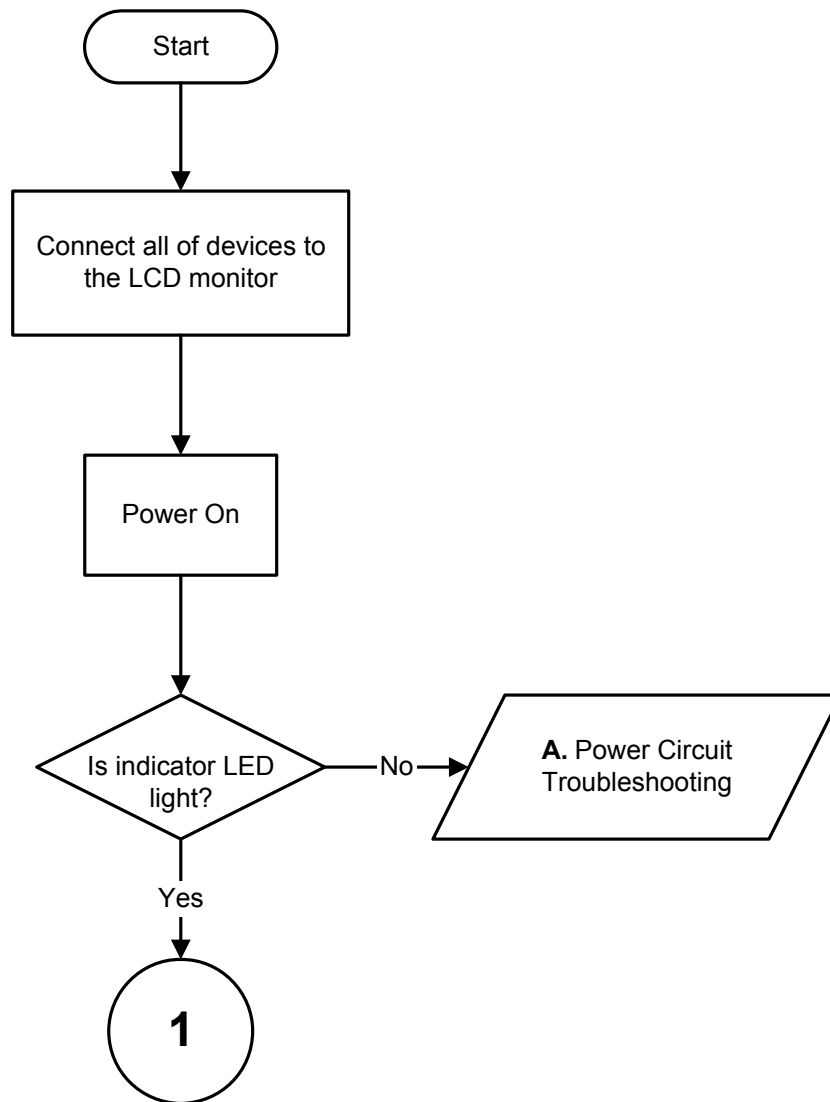


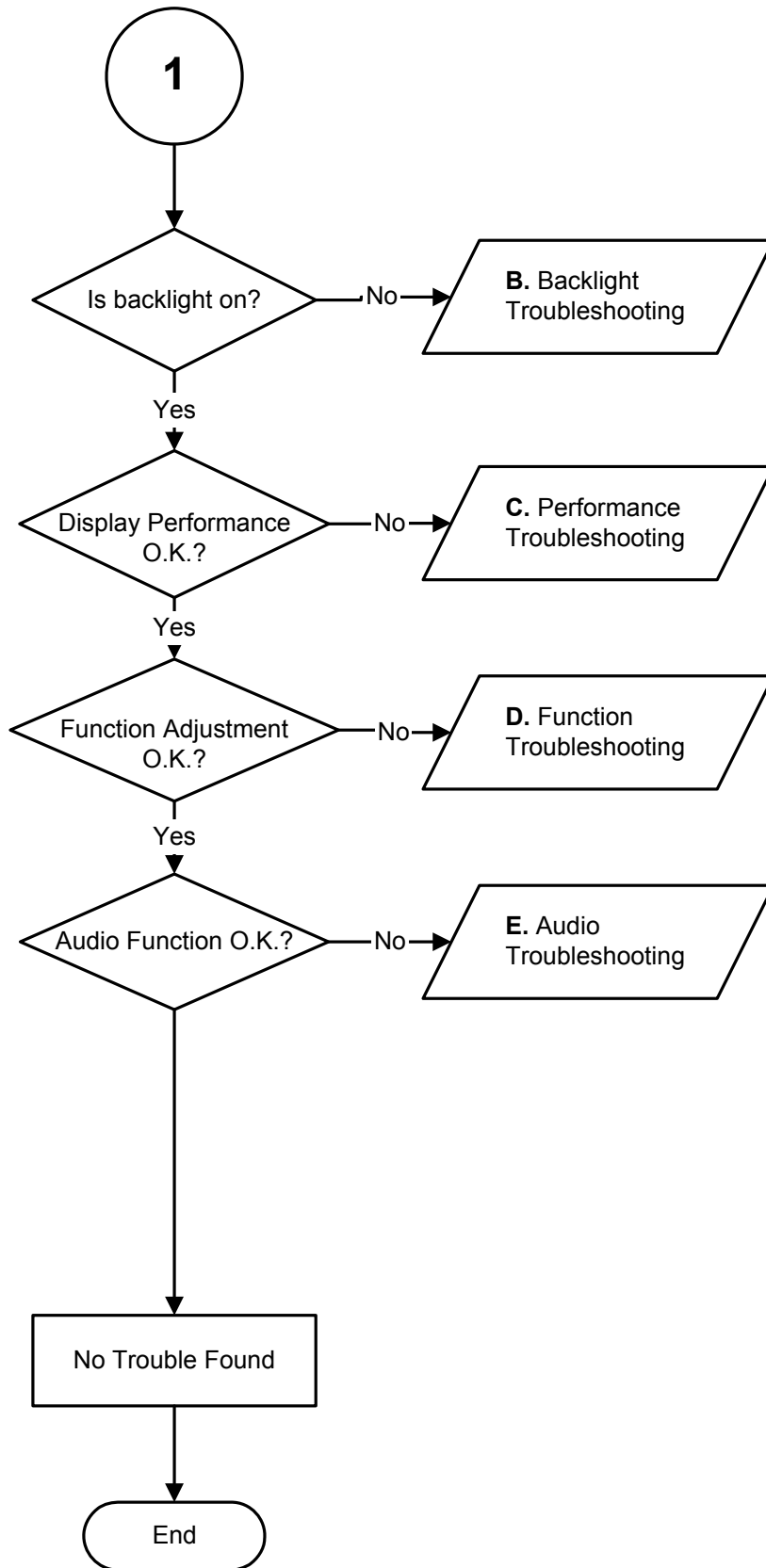
18. Take down the main hob around the sides of screws, and then take down the main hob.



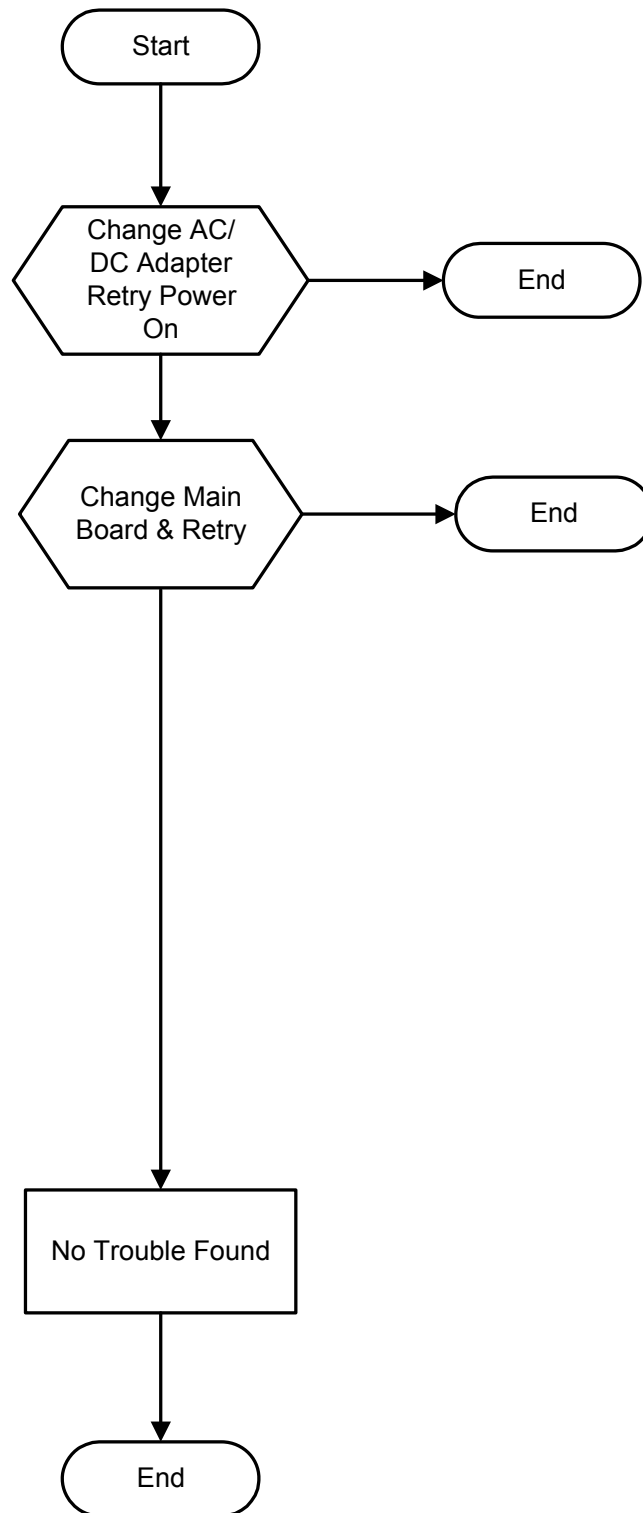
6. Trouble shooting

Main Procedure

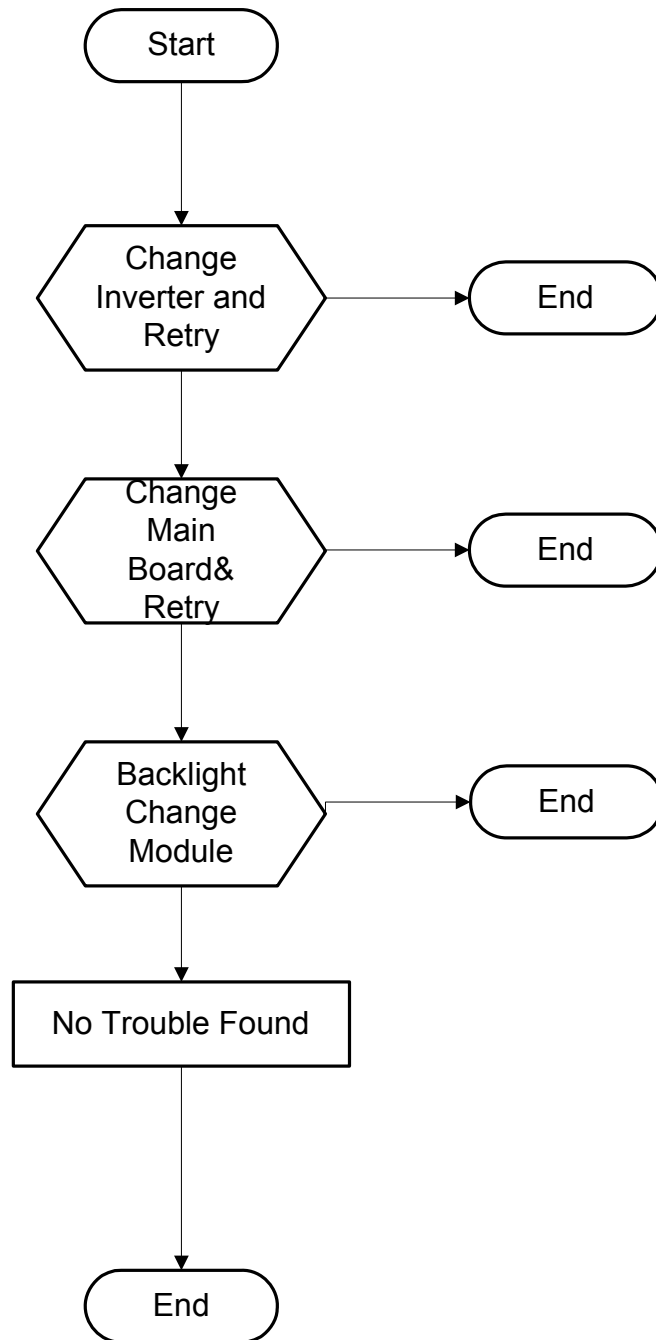




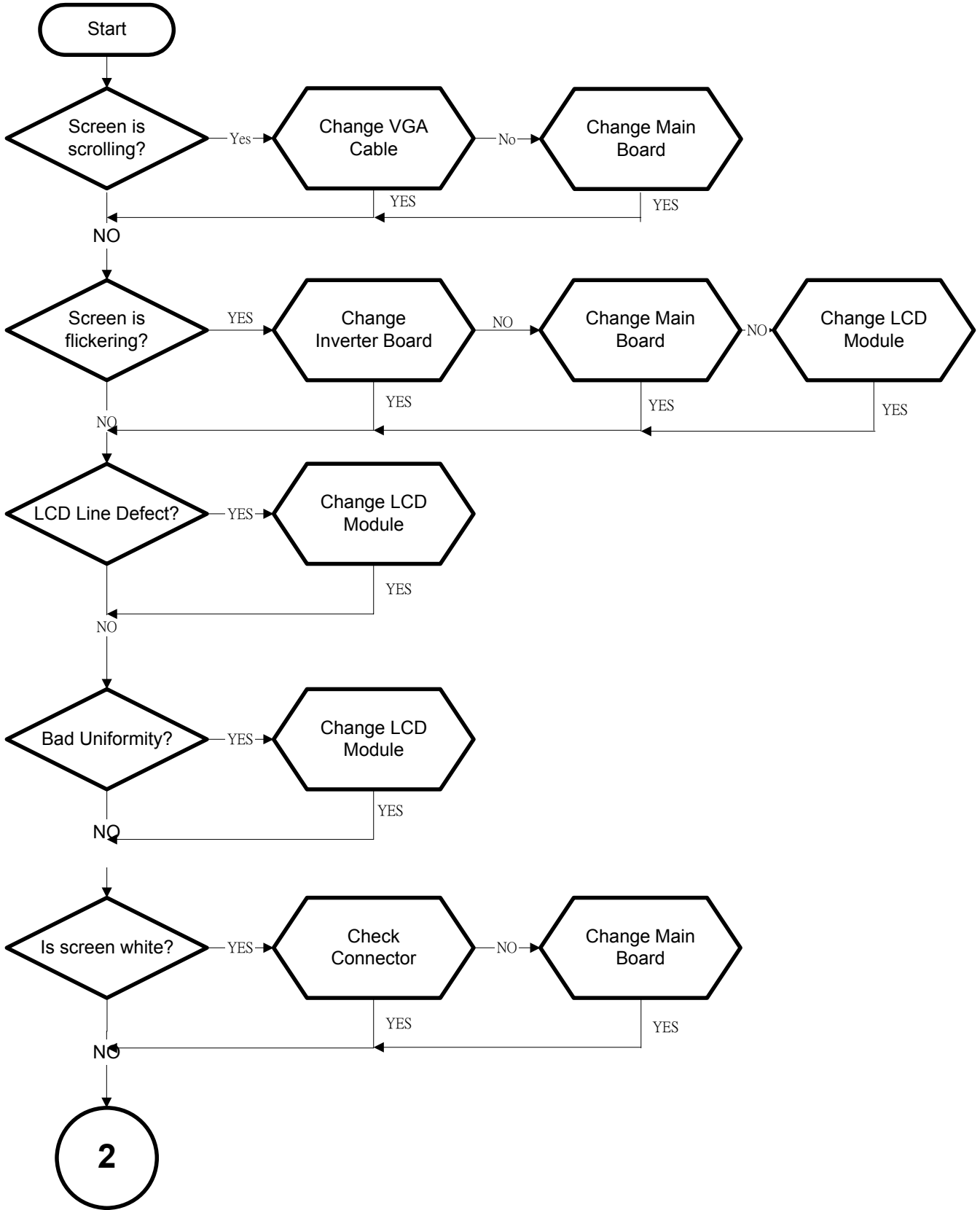
A. Power Circuit Troubleshooting

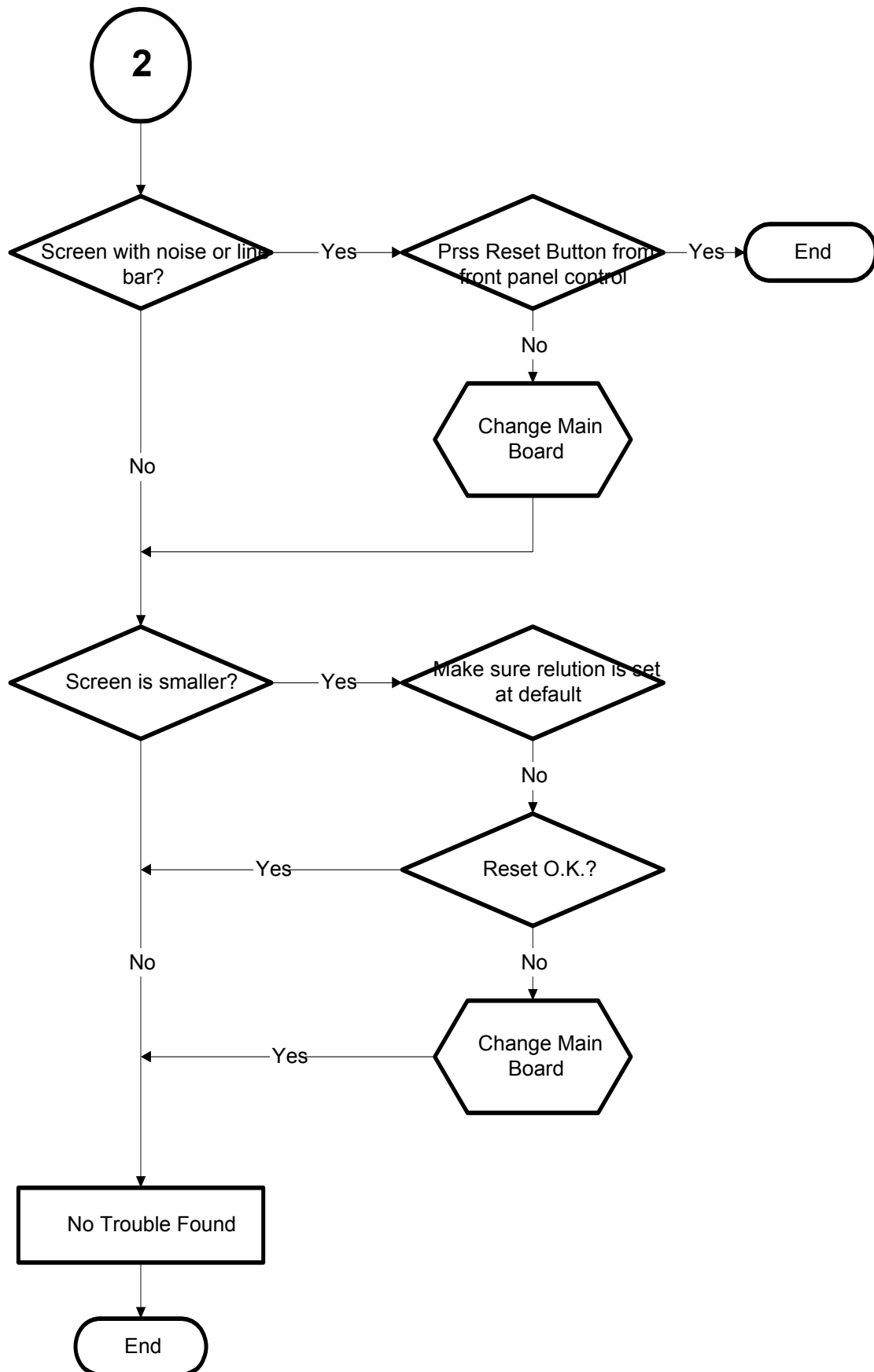


B. Backlight Troubleshooting

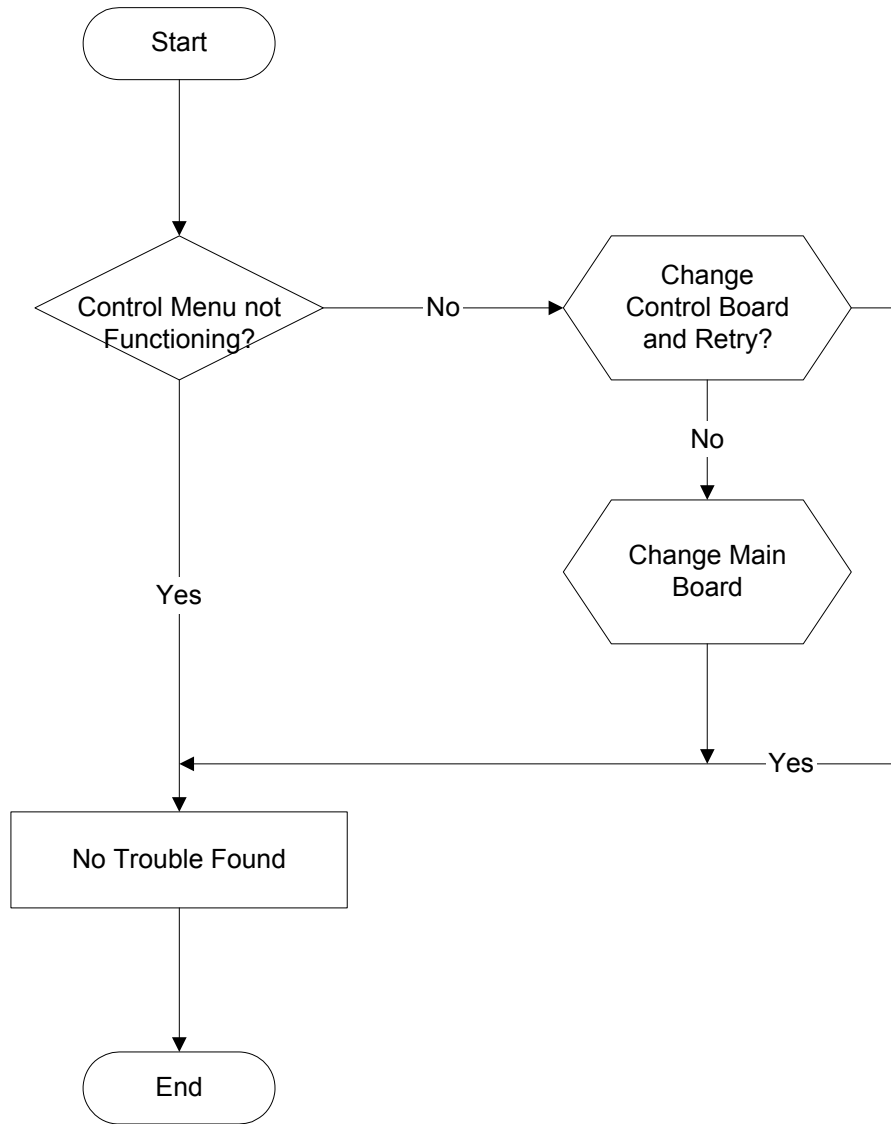


C. Performance Troubleshooting

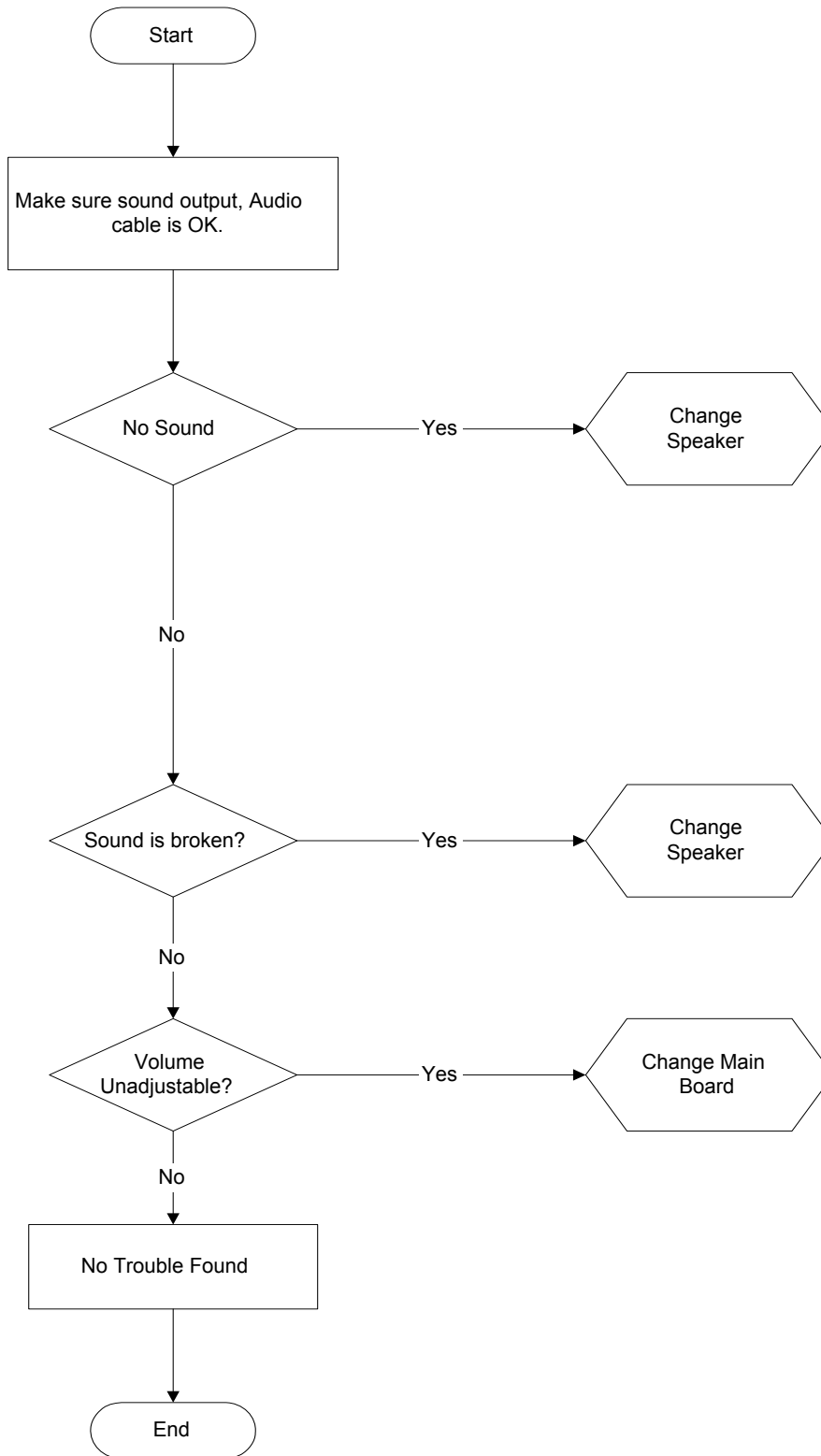




D. Function Troubleshooting



E. Audio Troubleshooting



7. Recommended Spare Parts List

RECOMMENDED SPARE PARTS LIST (VG730m-3)

ViewSonic Model Number: VS11383

Serial No. Prefix: QBY

Rev: 1a

Item	Description	ECR/ECN	ViewSonic P/N	Ref. P/N	Location	Universal number#
1	Accessories: Power Cord		A-00008026	W402091809531		
2	PC Board Assembly:	Main Board	B-00008051	XLM19VA040002		
3		Key Board	B-00008052	XLM19VA050001		
4		Inverter Board + Power Board	B-00008053	XLM1700390015-SF		
5	Cabinets:	Cover (Housing Black)	C-00008078	XLM17VA110001		
6		Back Cover	C-00008079	P705A995LM030-A		
7		Front Panel	C-00008080	XLM17VA100002		
8	Cables:	Audio Cable 26A WG UL2547	CB-00005758	W0026918A0142		
9		RGB Cable 30AWG UL20276 L1800mm	CB-00006504	W0926418AQ951		
10	Documentation:	Safety Label L150.5*W29.5mm	DC-00008069	F10250617VA01		
11		Blank Label L36*W9mm	DC-00008070	F103015170A01		
12		CD-Rom	DC-00008071	F801190000020		
13	Electronic Components:	Speaker	E-00008037	XLM17VA030001		
14	Hardware:	Bracket + Base	HW-00008006	XLM17VA270001		
15	Packing Material:	Craft Box	P-00008058	F40071617VA01		
16		Foam - Left	P-00008059	F2013317VA001		
17		Foam - Right	P-00008060	F2014317VA001		
18		Generic Foam Set	P-00001347	30833		
19		Generic Box	P-00002515	20653		
20	Plastics:	Button Function - Silver	PL-00008019	P763A998LM140-B		

Remark 1: Above listed items are examples, supplier can expand the rows to add more necessary items.

Remark 2: All revised RSPLs with newly added items or any change made should be highlighted and correlated with the ECN/ECR approved by ViewSonic Corporation. This is to eliminate repeated cross checks of each item between this version and prior versions.

RECOMMENDED SPARE PARTS LIST (VA730M-1)

ViewSonic Model Number: VS11383

Rev: 1a

Serial No. Prefix: QD4

Item	Description	ECR/ECN	ViewSonic P/N	Ref. P/N	Location	Universal number#
1	PC Board Assembly:	MAIN BOARD ASSY	B-00008051	XLM19VA040002		
2		KEY BOARD ASSY	B-00008052	XLM19VA050001		
3		POWER BOARD+INVERTER BOARD ASSY (REV:1)	B-00008053	XLM1700390015-SF		
4	Cabinets:	HOUSING ASSY(midnight gray)RGB ONLY SVA Panel	C-00008078	XLM17VA110001		
5		BEZEL ABS HB SILVER REV:0 'SVA PANEL'	C-00008096	P727A998LM020-B		
6		Front Panel LM/MR17V REV:0 INL PANEL	C-00008097	XLM17VA100001		
7		HOUSING ASSY(midnight gray) LM/MR19I-AA RGB ONLY INL Panel	C-00008098	XLM17VA110002		
8	Cables:	AUDIO CABIE 26AWG UL2547 L=1800mm 6C BLACK	CB-00005758	W0026918A0142		
9		VGA CABLE 30AWG UL20276 L1800mm 15PIN Black	CB-00006504	W0926418AQ951		
10		FFC CABLE CY050408001 P=1.0mm 30PIN L150mm	CB-00008033	W47A103015003		
11	Electronic Components:	LCD MODULE MT170EN01 1280x1024[SX] 17" LVDS INNOLUX INL PANEL	E-00008013	E34M02170J001		
12		LCD MODULE SVA170SX01TB 1280x1024[SX] 17" LVDS SVA Panel	E-00008055	E34S22170S001-A		
13	Packing Material:	GENERIC FOAM SET	P-00002483	31875		
14		GENERIC BOX	P-00002511	20655		
15		FOAM -L EPS L143*W270*H527mm	P-00008059	F2013317VA001		
16		FOAM -R EPS L143*W270*H527mm	P-00008060	F2014317VA001		
17		CARTON K3K(C) L486*W278*H592mm	P-00008080	F40071617VA02		

Remark 1: Above listed items are examples, supplier can expand the rows to add more necessary items.

Remark 2: All revised RSPLs with newly added items or any change made should be highlighted and correlated with the ECN/ECR approved by ViewSonic Corporation. This is to eliminate repeated cross checks of each item between this version and prior versions.

BOM LIST (VG730m-3)

ViewSonic Model Number: VS11383

Rev: 1a

Serial No. Prefix: QBY

Item	ViewSonic P/N	Ref. P/N	Description	Location	Universal number#	Q'ty
1	N/A	V5011A5150101	Paper Tape10mm			0.0054
2	N/A	E015-006-W	(10mm*14mm) Bird logo			1
3	N/A	E015-016-1-W	VIEWSONIC AL 38MM			1
4	E-00008013	E34M02170J001	LCD MODULE MT170EN01 1280*1024[SX] 17" LVDS INNOLUX			1
5	N/A	F000417VAK001	Quick Install Manual LM/MR17V-AAAD L190*W127mm for viewsonic VG730m REV:			1
6	N/A	F001217043001	USER'S GUIDE LM/LM1704 ENGLISH L210*W148mm for ViewsonicREV:0			1
7	N/A	F101415170401	MARK LM/LM1704 L11*W11mm energy star			1
8	DC-00008069	F10250617VA01	Safety Label LM/MR17V-AAAD L149.5*W29.5mm for viewsonic VG730n			1
9	N/A	F103015170401	Blank Label LM/LM1704 L50*W25mm			1
10	DC-00008065	F103015171A01	Blank Label LM/MR17L-AAA L36*W9mm for viewsonic chin			1
11	N/A	F103915170401	CARTON LABEL(UPC) LM/LM1704 L76*W76mm FOR VIEWSONIC			1
12	N/A	F103915171A01	CARTON LABEL LM/MR17L-AAA L89*W58mm forviewsonic 8m			1
13	N/A	F104515170401	RATING LABEL LM/LM1704 L7*W7mm for Viewsonic			1
14	P-00008059	F2013317VA001	POLYETHYLENE -L EPS LM/MR17V-ABAD L143*W270*H527mm			1
15	P-00008060	F2014317VA001	POLYETHYLENE -R EPS LM/MR17V-ABAD L143*W270*H527mm			1
16	N/A	F300257605251	PLASTIC BAG PE L760*W525*T0.08mm			1
17	N/A	F300272501501	PLASTIC BAG LDPE L250*W150*T0.08mm			1
18	P-00008058	F40071617VA01	CARTON K3K (C Flute) LM/MR17V-AAAD L445*W278*H552mm for viewsonic VG730m			1
19	N/A	F401422LM0002	PARTITION SUPPORT BC flute(craft) LM/MONITOR L1800*W50*H50*T5mm			0.1429
20	N/A	F40191817VA01	PAPER COVER C FLUTE LM/MR17V-AAAD L1130*W895*H60mm			0.0714
21	N/A	F50206LM00002	PALLET ,GLUE(Poplar) LM/MONITOR L1130*W895*H120mm			0.0357
22	DC-00008071	F80119000020	CD MANUAL LM/MR17V-AAAD FORVIEWSONIC VG730m REV:0			1
23	N/A	F900181000001	PE LIMPID W500*T0.03mm 1500m/roll			0.00048
24	N/A	F9008G2000002	PACKTHREAD PP WHITE W14.5mm*T0.8mm 1300m/rol			0.00069
25	N/A	M101082807401	screw copper H(L5mm) Φ2.8*1.7mm with nicke			4
26	N/A	M104254008401	SCREW MACHINE/STEEL +/TΦ4xL8mm NICKEL			4
27	N/A	M104283005401	SCREW MACHINE STEEL +/I type(Flate) Φ3.0*L5mmNICKEL			4
28	N/A	M105243005401	SCREW MACHINE (Binding) Φ3.0mm L5mm NICKEL			10
29	N/A	M105244006401	screw Binding Φ4.0*L6mmwith nickel (with washer			1
30	N/A	M105244006C01	SCREW MACHINE low carbon steel +/Binding head Φ4.0*L6mm black anti-releas			2
31	N/A	M155223008401	SCREW Tappin(w/o tail cut-single thread) low carbon steel +/ Pan head Φ3.0* L8mm NICKEL			3
32	N/A	M628700LM0080-A	Supporter SECC LM/MR17V-AAAD REV:0			1
33	C-00008079	P705A995LM030-A	Back Cover ABS HB BLACK INJECTO LM/MR17V-AAAD REV:0			1
34	PL-00008019	P763A998LM140-B	FUNCTION BUTTON ABS HB SILVER paint LM/MR17V-AAAD REV:0			1
35	N/A	V500425022001	ADHESIVE TAPE L25m*W20*T0.25mm 25m/ROLL			0.01
36	N/A	V501275024801	ADHESIVE TAPE L75m*W48*T 0.045mm FOR VIEWSONIC			0.012
37	N/A	V900505020003	AL FOIL L50*W30*T0.10mm			3
38	N/A	V900505030001	AL FOIL L100xW40xT0.07mm			1
39	N/A	V900505030007	AL FOIL L100xW30*T0.35mm(Y78400004G*1)			3
40	CB-00005758	W0026918A0142	AUDIO CABIE 26AWG UL2547 L=1800mm 6C BLACK(N65B80-1800)			1
41	CB-00006504	W0926418A0951	VGA CABLE 30AWG UL20276 L1800mm 15PIN BLACK			1
42	A-00008026	W402091809531	AC POWER CORD UL RVV 300/500V 3G S0.75mm2 L180cmBLACK YISHENG			1
43	N/A	W47A103015003	FFC WIRE CY050408001 P=1.0mm 30PIN L150mm HANQUAN			1
44	N/A	W47A103015004	FFC WIRE CY050408001 P=1.0mm 30PIN L150mm LOCK HUNG FU			1
45	N/A	W47B100620001	FFC WIRE FFCC0605T2350EC P=1.0mm 6TO 6PIN L200mm HANQUAN			1
46	N/A	W47B101030001	FFC WIRE FFCC0605T2350EC P=1.0mm 10PIN L300mm HANQUAN			1
47	B-00008053	XLM1700390015-SF	POWER BOARD+INVERTER BOARD ASSY PI-SB03 24V+5V LM/17"/19" LCD MONITOR FOR VIEWSONIC REV:1(PHIHONG)			1
48	N/A	XLM1700390015-SH	POWER BOARD+INVERTER BOARD ASSY PI-SB03 24V+5V LM/17"/19" LCD MONITOR FOR VIEWSONIC REV:1(UMEC)			1
49	E-00008037	XLM17VA030001	SPEAKER ASSY LM/MR17V-AAAD			1
50	N/A	E231080200022	SPEAKER 4020CPC OBLONG 8Ω 2W 4PIN*1 _φ L/R/L210mm GSM LEAD FREE			1
51	N/A	P39252A40001	SPEAKER SPONGE L25*W22.25*H14.1mm EVA(hardness 25) one side taped with double tape			4
52	C-00008080	XLM17VA100002	BEZEL ASSY LM/MR17V-AAAD BEZEL(BLACK+SILVER paint VG730m)+BUTTON (SILVER)=LENS			1
53	N/A	P727A900LM110-H	BEZEL ABS HB SIVER/BLACK PAINT+LOGO(VG730m) LM/MR17V-AAAD FOR VIEWSONIC REV:0			1
54	N/A	P761A998LM010-B	POWER BUTTON ABS HB SILVER PAINT LM/MR19V-AAAD REV:0			1
55	N/A	P791P500LM060-A	LENS PMMA TRANSPARENT INJECCION LM/MR19V-AAAD TEXTURE REV:0			1
56	C-00008078	XLM17VA110001	HOUSING ASSY LM/MR17V-AAAD BLACK			1
57	N/A	M105244006C01	SCREW MACHINE low carbon steel +/ Binding head Φ4.0*L6mm black anti-releass			2
58	N/A	M144243006401	SCREW, Tapping(w/tail cut) STEEL +/ Binding Φ3.0 *L6mm NICKEL(Arch Bom SR1-50113-0060)			2
59	N/A	M410810130001	VASA BKT T=0.8mm SECC			4
60	N/A	M621700LM0440-F	Bracket SECC riveted LM/MR17V-AAAD REV:0			1
61	N/A	M632700LM0060	Fix Plate SECC T0.8mm LM/ML17A2-a REV:0			1
62	N/A	P642004010001	Rubber Cap Round Φ4.84*H5.5mm BLACK			4
63	N/A	P728A995LM150-A	HOUSING ABS HB BLACK LM/MR17V-AAAD REV:0			1
64	N/A	V300800000001	GLUE 50g/PES (: -60℃~+200℃)			0.01
65	HW-00008006	XLM17VA270001	MECHANICAL ASSY LM/MR17V-AAA(VS-VG80-0170A) BRACKET+BASE BLACK			1
66	N/A	XLM17VA380001	SHIELD ASSY LM/MR17V-AAA (EMI cover+Mylar)			1
67	N/A	M711200LM0160-A	Shield cover, SPTe LM/MR17V-AAAD REV:0			1
68	N/A	P369579010001	MYLAR L95*W79.5*T0.1mm WHITH ADHESIVE			1
69	B-00008051	XLM19VA040002	MAIN BOARD ASSY LM/MR19V-AAAD For VG721/VG921 Commor			1
70	N/A	A01F241615A21	IC EEPROM AT24C16 2500ns ATMEL SOIC-8 2K*8 (SMD)			1
71	N/A	A03D111703G03	IC LINEAR IC VOLTAGE REGULATOR GL1117A-3.3 (INPUT4.8~12V OUTPUT 3.3V) SOT-223 GTM LeadFree (SMD)			1
72	N/A	A03D111703A54	IC LINEAR VOLTAGE REGULATOR AP1117E33A SOT-223 ANACHIP (SMD)			1
73	N/A	A07D212005R01	IC MCU RTD2120L 96KB LQFP48 Realtek LeadFree (SMD)			1
74	N/A	A082523BR2001	IC ASIC/SCALER RTD2523B PQFP-128 REALTEK (SMD)			1
75	N/A	A43H206506A01	LINEAR IC POWER AMPLIFIE with Volume contorl PA2065J1 2W DIP-16PIN ANPEC (DIP)			1
76	N/A	BLM19VAM10115	BARE PCB LM/MR19V-AAAD MAIN BOARD 2SIDES FR-4 T1.6mm REV:1.5			1
77	N/A	C02205003C111	CAP MLCC NPO 5pF 50V ±0.25%(C) 0603 TAPPING (SMD)			3
78	N/A	C02210003J111	CAP MLCC NPO 10pF 50V ±5% 0603 TAPPING (SMD)			2
79	N/A	C02212003J111	CAP MLCC /NPO 12pF 50V ±5%(J) 0603 TAPPING (SMD)			1

Item	ViewSonic P/N	Ref. P/N	Description	Location	Universal number#	Q'ty
80	N/A	C02222003J111	CAP MLCC /NPO 22PF 50V ±5%(J) 0603 TAPPING (SMD)			3
81	N/A	C02310501K111	CAP MLCC X5R 1uF 16V ±10%(K) 0603 TAPPING (SMD)			3
82	N/A	C02410302K111	CAP MLCC X7R 10nF/25V ±10%(K) 0603 TAPPING (SMD)			1
83	N/A	C02410403K111	CAP MLCC X7R 0.1uF/50V ±10%(K) 0603 TAPPING(SMD)			47
84	N/A	C02447302K111	CAP MLCC/ X7R 0.047uF /25V ±10%(K) 0603 TAPPING(SMD)			6
85	N/A	C02447401K111	CAP MLCC X7R 470nF 16V ±10%(K) 0603 TAPPING lead free (SMD)			1
86	N/A	C4021006M2431	CAP EC(S) -40~105°C 10uF 25V ±20% (M) Φ5×H7mm P=2.5mm (DIP)			4
87	N/A	C4021014M2222	CAP EC(S) -40~105°C 100uF 16V ±20% (M) Φ5×H11mmP=2.0mm (DIP)			6
88	N/A	C4022204M2322	CAP EC -40~105°C 22UF/16V ±20%(M) § 5*H5MM P=2.0MM (DIP)			2
89	N/A	C4022296M2122	CAP EC -40°C~105°C 2.2uF/25V ±20%(M) §4*H5mm P=2.0mm (DIP)			1
90	N/A	C4024704M2422	CAP EC -40° ~105°C 47UF/16V ±20% (M) § 5*H7MM P=2.0MM (DIP)			1
91	N/A	C4026813M5341	CAP EC -40~105°C 680uF 10V ±20%(M) Φ8*H11.5mm P=3.5mm LEAD FREE (DIP)			1
92	N/A	D00BAV9905G01	DIODE BAV99 SOT-23 GTM (SMD)			11
93	N/A	D00L414803Y11	DIODE LL4148 SOD-123 YING SMD			5
94	N/A	D01Z152C03K01	ZENER DIODE BZT52C SOD-123 KINGWELL 5.6V (SMD)			10
95	N/A	J41070515T201	Ear-Phone JACK, 5 PIN, DIP 90°, LIME GREEN, Tekcon			1
96	N/A	J4507270155B1	D-SUB H/D, 15PIN, VGA PC99(LIGHT BLUE)DIP 90°, 3 ROW, 1285-15S-004-98C-01, TEKCON			1
97	N/A	J4509100102H1	FFC CONNECTOR P=1mm 10PIN 90° YELLOW CF16061D0T0 HANQUAN (DIP)			1
98	N/A	J4509100306H1	FFC CONN ,30 PIN,1.0,DIP 180°.1 ROW,Cvilux 16301V0T0 or compatible			1
99	N/A	L004100201101	BEAD Chip Beads DDY160808U011MB 10Ω 200mA 0603(1608) TAPPING MAGIC LEAD FREE (SMD)			3
100	N/A	L012121201113	BEAD CHOKE Ferrite(generalcircuit) DDY160808U121MB120Ω 200mA 0603 TAPPING DDY LEAD FREE (SMD)			8
101	N/A	L013121302A11	CHIP BEAD Ferrite Chip Beads (high current) WB201209B601QLT02 120Ω 3000mA 1206 TAPPING Walsin (SMD)			5
102	N/A	Q441240047151	CRYSTAL QUARTZ 24MHZ 30PPM 20PF 49US CRE (DIP)			2
103	N/A	R070000J10311	RES CHIP 0Ω ±5%(J) 1/10W 0805 TAPPING (SMD)(Y180320000J0)			4
104	N/A	R070000J20111	05: RESISTOR.RES CHIP 0Ω ±5%(J) 1/8W 0603 TAPPING (SMD).....			9
105	N/A	R070059J61111	RES CHIP 0.5Ω ±5%(J) 1/2W 1210 TAPPING LEAD FREE (SMD)			1
106	N/A	R070100J10111	RES CHIP 10Ω ±5%(J) 1/10W 0603 TAPPING(SMD)			8
107	N/A	R070470J10111	RESISTOR.RES CHIP 47Ω ±5%(J) 1/10W.0603 TAPPING(SMD)			3
108	N/A	R070750J10111	RESISTOR.RES CHIP 75Ω ±5%(J) 1/10W.0603 TAPPING(SMD).....			5
109	N/A	R071000J10111	RES CHIP 100Ω ±5%(J) 1/10W 0603 TAPPING (SMD)			15
110	N/A	R071001J20111	05: RESISTOR.RES CHIP 1KΩ ±5%(J) 1/8W.0603 TAPPING (SMD).....			6
111	N/A	R071002J20111	05: RESISTOR.RES CHIP 10KΩ ±5%(J) 1/8W.0603 TAPPING(SMD).....			6
112	N/A	R071003J10111	RES CHIP 100KΩ ±5%(J) 1/10W 0603 TAPPING (SMD)			1
113	N/A	R071004J30111	RES CHIP 1MΩ ±5%(J) 1/16W 0603 TAPPING (SMD)			1
114	N/A	R071502F30111	RES CHIP 15KΩ ±1%(F) 1/16W 0603 TAPPING (SMD)			2
115	N/A	R072001J30111	RES CHIP 2KΩ ±5%(J) 1/16W 0603 TAPPING (SMD)(Y180222001J0)			3
116	N/A	R072200J20111	05: RESISTOR.RES CHIP 220Ω ±5%(J) 1/8W.0603 TAPPING(SMD).....			7
117	N/A	R073002J10111	05: RESISTOR.RES CHIP 30KΩ ±5%(J) 1/10W.0603 TAPPING (SMD).....			1
118	N/A	R074701J20111	RESISTOR.RES CHIP 4.7KΩ ±5%(J) 1/8W.0603 TAPPING(SMD).....			12
119	N/A	R074702J20111	05: RESISTOR.RES CHIP 47KΩ ±5%(J) 1/8W.0603 TAPPING (SMD).....			2
120	N/A	R076801J10111	RES CHIP 6.8KΩ ±5%(J) 1/10W 0603 TAPPING (SMD)			2
121	N/A	R144701J20112	RES ARRAY 4.7KΩ ±5%(J) 1/10W 8P4R 3216 TAPPING (SMD)			6
122	N/A	T00T390402G01	TR GMBT3904 SOT-23 GTM (SMD)			3
123	N/A	T00T390602G01	TR GMBT3906 SOT-23 GTM (SMD)			6
124	N/A	T01A340102A21	XSTR AO3401/ST3401, SOT-23:3 , Alpha & Omega/ST			1
125	N/A	Y640224002*1	DVI HD FEMALE 24P H=20MM			1
126	N/A	Y64115HB04*1	CONNECTOR M 180°/2.0mm 1 ROW 4P			1
127	N/A	Y64115HB06*1	CONNECTOR 180° 2mm 1ROW 6PIN			1
128	B-00008052	XLMI19VA050001	KEY BOARD ASSY LM/MR19V-AAAD			1
129	N/A	BLMI19VAB10212	BARE PCB LM/MR19V-AAAD BUTTON BOARD 1SIDE FR-1 T1.0mm REV:1.2			1
130	N/A	J4509100065H1	FFC CONN ,6 PIN,1.0,DIP 90°.1 ROW,Cvilux CF16071D0T0 or compatible			1
131	N/A	P764P281LM010-A	SWITCH PA66 WHITE 22051 LM/MR17D-AAAD REV:0			5
132	N/A	XLMI19VA050002	KEY BOARD ASSY LM/MR19V-AAAD 2SIDES			1
133	N/A	BLMI19VAB10112	BARE PCB LM/MR19V-AAAD BUTTON BOARD 2SIDES FR-4 T1.0mm REV:1.2			1
134	N/A	D062103810001	LED BLUE+ORANGE KP8-3025 TAPPING LEAD FREE (SMD)			1
135	N/A	J4509100065H1	FFC CONN ,6 PIN,1.0,DIP 90°.1 ROW,Cvilux CF16071D0T0 or compatible			1
136	N/A	J4509100102H1	FFC CONNECTOR P=1mm 10PIN 90° YELLOW CF16061D0T0 HANQUAN (DIP)			1
137	N/A	P764P295LM010	SWITCH PA66 BLACK LCD MONITOR SERIES REV:0			1

BOM LIST (VA730M-1)

ViewSonic Model Number: VS11383

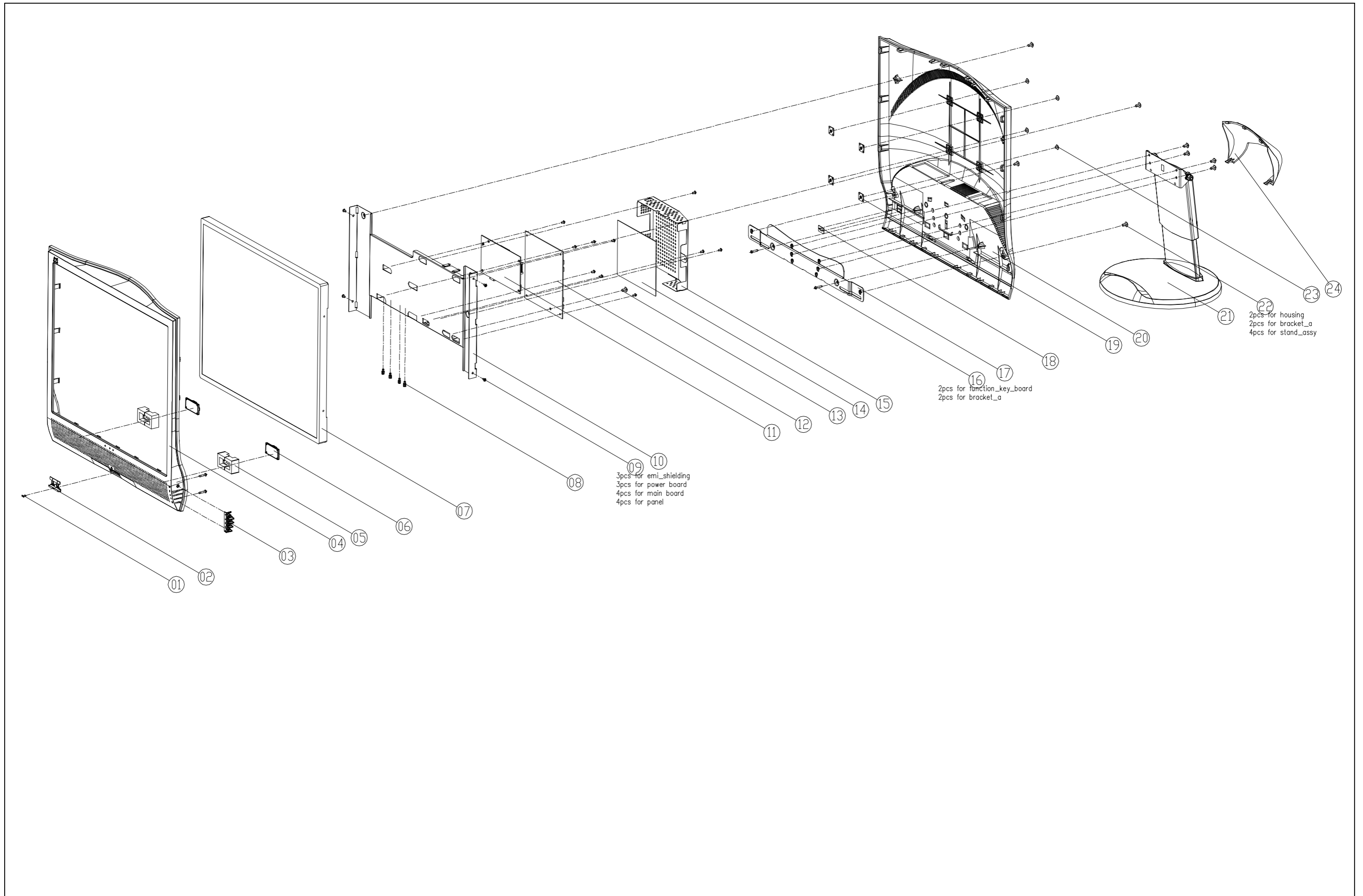
Rev: 1a

Serial No. Prefix: QD4

Item	ViewSonic P/N	Ref. P/N	Description	Location	Universal number#	Q'ty
1	N/A	A01F241615A21	IC EEPROM AT24C16 2500ns ATMEL SOIC-8 2K*8 (SMD)			1
2	N/A	A03D111703A53	IC Linear voltage converter AP1117E18A SOT-223-3Pin(SMD)			1
3	N/A	A03D111703A54	IC LINEAR VOLTAGE REGULATOR AP1117E33A SOT-223 ANACHIP (SMD)			1
4	N/A	A03D111703G03	IC LINEAR IC VOLTAGE REGULATOR GL1117A-3.3 (INPUT4.8-12V OUTPUT 3.3V) SOT-223 GTM LeadFree (SMD)			1
5	N/A	A03D111703U01	VOLTAGE REGULATOR LD1117-18-A SOT-223 3PIN 1.8V UTC (SMD)			1
6	N/A	A03D916403R01	IC Analog_Regulator_RT9164-18CG_SOT223-3_Richtek			1
7	N/A	A07D212005R01	IC MCU RTD2120L 96KB LQFP48 Realtek LeadFree (SMD)			1
8	N/A	A082523BR2001	IC ASIC/SCALER RTD2523B PQFP-128 REALTEK (SMD)			1
9	N/A	A43H206506A01	LINEAR IC POWER AMPLIFIE with Volume contorl PA2065J1 2W DIP-16PIN ANPEC (DIP)			1
10	N/A	BLM19VAB10112	BARE PCB LM/MR19V-AAAD BUTTON BOARD 2SIDES FR-4 T1.0mm REV:1.2			1
11	N/A	BLM19VAB10213	BARE PCB LM/MR19V-AAAD BUTTON BOARD 1SIDE FR-1 T1.0mm REV:1.3			1
12	N/A	BLM19VAM101116	BARE PCB LM/MR19V-AAAD MAIN BOARD 2SIDES FR-4 T1.6mm REV:1.6			1
13	N/A	C02205003C111	CAP MLCC NPO 5pF 50V ±0.25%(C) 0603 TAPPING (SMD)			3
14	N/A	C02210003J111	CAP MLCC NPO 10pF 50V ±5% 0603 TAPPING (SMD)			2
15	N/A	C02212003J111	CAP MLCC /NPO 12PF 50V ±5%(J) 0603 TAPPING (SMD)			1
16	N/A	C02222003J111	CAP MLCC /NPO 22PF 50V ±5%(J) 0603 TAPPING (SMD)			3
17	N/A	C02310501K111	CAP MLCC X5R 1uF 16V ±10% (K) 0603 TAPPING (SMD)			3
18	N/A	C02410302K111	CAP MLCC X7R 10nF/25V ±10%(K) 0603 TAPPING (SMD)			1
19	N/A	C02410403K111	CAP MLCC X7R 0.1UF/50V ±10%(K) 0603 TAPPING(SMD)			46
20	N/A	C02447302K111	CAP MLCC /X7R 0.047uF /25V ±10%(K) 0603 TAPPING(SMD)			6
21	N/A	C02447401K111	CAP MLCC X7R 470nF 16V ±10%(K) 0603 TAPPING lead free (SMD)			1
22	N/A	C4021006M2431	CAP EC(S) -40~105°C 10uF 25V ±20%(M) Φ5×H7mm P=2.5mm (DIP)			4
23	N/A	C4021014M2222	CAP EC(S) -40~105°C 100uF 16V ±20%(M) Φ5×H11mm P=2.0mm (DIP)			6
24	N/A	C4022204M2322	CAP EC -40~105°C 22UF/16V ±20%(M) § 5*H5MM P=2.0MM (DIP)			2
25	N/A	C4022296M2122	CAP EC -40°C~105°C 2.2uF/25V ±20%(M) §4*H5mm P=2.0mm (DIP)			1
26	N/A	C4024704M2422	CAP EC -40° ~105°C 47UF/16V ±20%(M) § 5*H7MM P=2.0MM (DIP)			1
27	N/A	C4026813M5341	CAP EC -40~105°C 680uF 10V ±20%(M) Φ8*H11.5mm P=3.5mm(P=2.0mm) LEAD FREE (DIP)			1
28	N/A	D00BAV9905G01	DIODE BAV99 SOT-23 GTM (SMD)			11
29	N/A	D00L414803Y11	DIODE LL4148 SOD-123 YING SMD			5
30	N/A	D01ZT52C03K01	ZENER DIODE BZT52C SOD-123 KINGWELL 5.6V (SMD)			10
31	N/A	D062103810001	LED BLUE+ORANGE KPB-3025 TAPING LEAD FREE (SMD)			1
32	N/A	E015-006-W	(10mm*14mm) Bird logo			1
33	N/A	E015-016-1-W	VIEWSONIC AL38MM			1
34	N/A	E231080200022	SPEAKER 4020CPC OBLONG 8Ω 2W 4PIN*1 7L L+R/L210mm GSM LEAD FREE			1
35	E-00008013	E34M02170J001	LCD MODULE MT170EN01 1280*1024[SX] 17" LVDS INNOLUX			1
36	E-00008055	E34S22170S001-A	LCD MODULE SVA170SX01TB 1280*1024[SX] 17" LVDS SVA-NEC LEAD FREE(A FOR VA/AVG L0 NO:12B2C1XXXXXXX)			1
37	N/A	F000417VAK001	Quick Install Manual LM/MR17V-AAAD L190*W127mm for viewsonic VG730m REV:0			1
38	N/A	F001217043001	USER'S GUIDE LM/LM1704 ENGLISH L210*W148mm for ViewsonicREV:0			1
39	N/A	F001217VA3001	USER'S GUIDE LM/MR17V-AAAD ENGLISH L210*W148mm for viewsonic VA730m REV:0			1
40	N/A	F101415170401	MARK LM/LM1704 L11*W11mm energy star			1
41	N/A	F10250617VA02	Safety Label LM/MR17V-AAAD L150.5*W29.5mm for viewsonic VA730m SAVPane			1
42	N/A	F10250617VA04	Safety Label LM/MR17V-AAAD L150.5*W29.5mm for viewsonic VA730m SVA Pane			1
43	N/A	F103015170401	Blank Label LM/LM1704 L50*W25mm			1
44	DC-00008065	F10301517A01	Blank Label LM/MR17V-AAA L36*W9mm for viewsonic china			1
45	N/A	F103915170401	CARTON LABEL(UPC) LM/LM1704 L76*W76mm FOR VIEWSONIC			1
46	N/A	F10391517A01	CARTON LABEL LM/MR17V-AAA L89*W58mm forviewsonic 8ms			1
47	N/A	F10451017VA01	RATING LABEL LM/MR17V-AAAD L303*W14mm for viewsonic VA730m			1
48	N/A	F104515170401	RATING LABEL LM/LM1704 L7*W7mm for Viewsonic			1
49	P-00008059	F2013317VA001	POLYETHYLENE -L EPS LM/MR17V-ABAD L143*W270*H527mm			1
50	P-00008060	F2014317VA001	POLYETHYLENE -R EPS LM/MR17V-ABAD L143*W270*H527mm			1
51	N/A	F300257605251	PLASTIC BAG PE L760*W525*T0.08mm			1
52	N/A	F300272501501	PLASTIC BAG LDPE L250*W150*T0.08mm			1
53	P-00008080	F40071617VA02	CARTON K3K(C FLUTE) LM/MR17V-AAAD L486*W278*H592mm for viewsonic VA730m			1
54	N/A	F4014221M0002	PARTITION SUPPORT BC FLUTE(CRAFT) LM/MONITOR L1800*W50*H50*T5mm			0.1429
55	N/A	F40191817VA01	PAPER COVER C FLUTE LM/MR17V-ABAD L1130*W895*H60mm			0.0714
56	N/A	F50206LM00002	PALLET GLUE(POPLAR) LM/MONITOR L1130*W895*H120mm			0.0357
57	N/A	F801190000022	CD MANUAL LM/MR17V-AAAD FOR viewsonic VA730m REV:0			1
58	N/A	F801190000025	CD MANUAL LM/MR17V-AAAD FOR viewsonic VA730m SVA Panel REV:0			1
59	N/A	F900181000001	PE LIMPID PE LIMPID W500*T0.03mm 1500m/ROLL			0.00048
60	N/A	F9008G2000002	PACKTHREAD PP WHITE W14.5mm*T0.8mm 1300m/ROLL			0.00069
61	N/A	J4507270155B1	D-SUB H/D,15PIN,VGA PC99(LIGHT BLUE)DIP 90°,3 ROW,1285-15S-004-98C-01,TEKCON			1
62	N/A	J4509100065H1	FFC CONN ,6 PIN,1.0,DIP 90°,1 ROW,Cvilux CF16071D0T0 or compatible			1
63	N/A	J4509100102H1	FFC CONNECTOR P=1mm 10PIN 90° YELLOW CF16061D0T0 HANQUAN (DIP)			1
64	N/A	J4509100306H1	FFC CONN ,30 PIN,1.0,DIP 180°,1 ROW,Cvilux 16301V0T0 or compatible			1
65	N/A	L004100201101	BEAD Chip Beads DDY160808U011MB 10Ω 200mA 0603(1608) TAPING MAGIC LEAD FREE (SMD)			3
66	N/A	L012121201113	BEAD CHOKE Ferrite(generalcircuit) DDY160808U121MB120Ω 200mA 0603 TAPPING DDY LEAD FREE (SMD)			9
67	N/A	L013121302A11	CHIP BEAD Ferrite Chip Beads (high current) WB201209B601QLT02 120Ω 3000mA 1206 TAPPING Walsin (SMD)			5
68	N/A	M101082807401	SCREW COPPER H(L5mm) Φ2.8*L7mm WITH NICKEL			4
69	N/A	M104254008401	SCREW MACHINE/STEEL +/-TΦ4xL8mm NICKEL			4
70	N/A	M104263005401	SCREW MACHINE STEEL +/-I TYPE(FLATE)Φ3.0*L5mmNICKEL			4
71	N/A	M105243005401	SCREW MACHINE STEEL (Binding) Φ3.0mm L5mm NICKEL			10
72	N/A	M105244006401	SCREW Binding Φ4.0*L6mm WITH NICKEL (WITH WASHER)			1
73	N/A	M105244006C01	SCREW MACHINE low carbon steel +Binding head Φ4.0*L6mm black anti-release			2
74	N/A	M144243006401	SCREW , Tapping(w/tail cut) STEEL + Binding Φ3.0 *L6mm NICKEL(Arch Bom SR1-50113-0060)			2
75	N/A	M155223008401	SCREW Tappin(w/o tail cut-single thread) low carbon steel +/- Pan head Φ3.0* L8mm NICKEL			3
76	N/A	M410810130001	VASA BKT T=0.8mm SECC			4
77	N/A	M621700LM0440-F	Bracket SECC riveted LM/MR17V-AAAD REV:0			1
78	N/A	M628700LM0080-A	Supporter SECC LM/MR17V-AAAD REV:0			1
79	N/A	M632700LM0060	Fix Plate SECC T0.8mm LM/ML17A2-a REV:0			1
80	N/A	M711200LM0161-A	SHIELD COVER, SPT E T0.3mm LM/MR17V-AAAD REV:1			1
81	N/A	P369579010001	MYLAR L95*W79.5*T0.1mm WHITH ADHESIVE			1

Item	ViewSonic P/N	Ref. P/N	Description	Location	Universal number#	Q'ty
82	N/A	P36AKAF010001	MYLAR L350 X W290 X T0.12MM TRANSPARENT			1
83	N/A	P392522A40001	SPEAKER SPONGE L25*W22.25*H14.1mm EVA(hardness25) one side taped with double tape			4
84	N/A	P642004010001	Rubber Cap Round Φ4.84*H5.5mm BLACK			4
85	C-00008079	P705A995LM030-A	Back Cover ABS HB BLACK INJECTO LM/MR17V-AAAD REV:0			1
86	C-00008096	P727A998LM020-B	BEZEL ABS HB SILVER PAINT LM/MR17V-AAAD REV:0			1
87	N/A	P728A995LM150-A	HOUSING ABS HB BLACK LM/MR17V-AAAD REV:0			1
88	N/A	P761A998LM010-B	POWER BUTTON ABS HB SILVER PAINT LM/MR19V-AAAD REV:0			1
89	PL-00008019	P763A998LM140-B	FUNCTION BUTTON ABS HB SILVER PAINT LM/MR17V-AAAD REV:0			1
90	N/A	P764P281LM010-A	SWITCH PA66 WHITE 22051 LM/MR17D-AAAD REV:0			5
91	N/A	P764P295LM010	SWITCH PA66 BLACK LCD MONITOR SERIES REV:0			1
92	N/A	P791P500LM060-A	LENS PMMA TRANSPARENT INJECCION LM/MR19V-AAAD TEXTURE REV:0			1
93	N/A	Q441240047151	CRYSTAL QUARTZ 24MHZ 30PPM 20PF 49US CRE (DIP)			2
94	N/A	R070000J10311	RES CHIP 0Ω ±5%(J) 1/10W 0805 TAPPING (SMD)(Y180320000J0)			4
95	N/A	R070000J20111	05: RESISTOR.RES CHIP 0Ω ±5%(J) 1/8W 0603 TAPPING (SMD).....			9
96	N/A	R070059J61111	RES CHIP 0.5Ω ±5%(J) 1/2W 1210 TAPING LEAD FREE (SMD)			1
97	N/A	R070100J10111	RES CHIP 10Ω ±5%(J) 1/10W 0603 TAPPING(SMD)			8
98	N/A	R070470J10111	RESISTOR.RES CHIP 47Ω ±5%(J) 1/10W.0603 TAPPING(SMD)			3
99	N/A	R070750J10111	RESISTOR.RES CHIP 75Ω ±5%(J) 1/10W.0603 TAPPING(SMD).....			5
100	N/A	R071000J10111	RES CHIP 100Ω ±5%(J) 1/10W 0603 TAPPING (SMD)			15
101	N/A	R071001J20111	05: RESISTOR.RES CHIP 1KΩ ±5%(J) 1/8W.0603 TAPPING (SMD).....			6
102	N/A	R071002J20111	05: RESISTOR.RES CHIP 10KΩ ±5%(J) 1/8W.0603 TAPPING(SMD).....			6
103	N/A	R071003J10111	RES CHIP 100KΩ ±5%(J) 1/10W 0603 TAPPING (SMD)			1
104	N/A	R071004J30111	RES CHIP 1MΩ ±5%(J) 1/16W 0603 TAPPING (SMD)			1
105	N/A	R071502F30111	RES CHIP 15KΩ ±1%(F) 1/16W 0603 TAPPING (SMD)			2
106	N/A	R072001J30111	RES CHIP 2KΩ ±5%(J) 1/16W 0603 TAPPING (SMD)(Y180222001J0)			3
107	N/A	R072200J20111	05: RESISTOR.RES CHIP 220Ω ±5%(J) 1/8W.0603 TAPPING(SMD).....			7
108	N/A	R073002J10111	05: RESISTOR.RES CHIP 30KΩ ±5%(J) 1/10W.0603 TAPPING (SMD).....			1
109	N/A	R074701J20111	RESISTOR.RES CHIP 4.7KΩ ±5%(J) 1/8W.0603 TAPPING(SMD).....			12
110	N/A	R074702J20111	05: RESISTOR.RES CHIP 47KΩ ±5%(J) 1/8W.0603 TAPPING (SMD).....			2
111	N/A	R076801J10111	RES CHIP 6.8KΩ ±5%(J) 1/10W 0603 TAPPING (SMD)			2
112	N/A	R144701J20112	RES ARRAY 4.7KΩ ±5%(J) 1/10W 8P4R 3216 TAPPING (SMD)			6
113	N/A	T00T390402G01	TR GMBT3904 SOT-23 GTM (SMD)			3
114	N/A	T00T390602G01	TR GMBT3906 SOT-23 GTM (SMD)			6
115	N/A	T01A340102A21	XSTR AO3401/ST3401, SOT-23:3 , Alpha & Omega/ST			1
116	N/A	V300800000001	GLUE 50g/PES (: - 60°C ~+200°C)			0.01
117	N/A	V500425022001	ADHESIVE TAPE L25m*W20*T0.25mm 25m/ROLL			0.002
118	N/A	V5011A5150101	Paper Tape L5000mm*W15mm*T0.1mm			0.005
119	N/A	V501275024801	ADHESIVE TAPE L75m*W48*T 0.045mm FOR VIEWSONIC			0.012
120	N/A	V900505020003	AL FOIL L50*W30*T0.10mm			S
121	N/A	V900505020005	AL FOIL L50*W50*T0.05mm			2
122	N/A	V900505030001	AL FOIL L100xW40xT0.07mm			1
123	CB-00005758	W0026918A0142	AUDIO CABIE 26AWG UL2547 L=1800mm 6C BLACK(N65B80-1800)			1
124	CB-00006504	W0926418AQ951	VGA CABLE 30AWG UL20276 L1800mm 15PIN BLACK			1
125	A-00008026	W402091809531	AC POWER CORD UL RVV 300/500V 3G S0.75mm2 L180cmBLACK YISHENG			1
126	CB-00008033	W47A103015003	FFC WIRE CY050408001 P=1.0mm 30PIN L150mm HANQUAN			1
127	N/A	W47A103015004	FFC WIRE CY050408001 P=1.0mm 30PIN L150mm LOCK HUNG FU			1
128	N/A	W47B100620001	FFC WIRE FFCC0605T2350EC P=1.0mm 6TO 6PIN L200mm HANQUAN			1
129	N/A	W47B101030001	FFC WIRE FFCC0605T2350EC P=1.0mm 10PIN L300mm HANQUAN			1
130	B-00008053	XLMI1700390015-SF	POWER BOARD+INVERTER BOARD ASSY PI-SB03 24V+5V LM/17"/19" LCD MONITOR FOR VIEWSONIC REV:1(PHIHONG)			1
131	N/A	XLMI1700390015-SH	POWER BOARD+INVERTER BOARD ASSY PI-SB03 24V+5V LM/17"/19" LCD MONITOR FOR VIEWSONIC REV:1(UMEC)			1
132	E-00008037	XLMI17VA030001	SPEAKER ASSY LM/MR17V-AAAD			1
133	C-00008097	XLMI17VA100001	BEZEL ASSY LM/MR17V-AAAD BEZEL+BUTTON+LENS (SILVER)			1
134	C-00008078	XLMI17VA110001	HOUSING ASSY LM/MR17V-AAAD BLACK			1
135	HW-00008006	XLMI17VA270001	MECHANICAL ASSY LM/MR17V-AAA(VS-VG80-0170A) BRACKET+BASE BLACK			1
136	N/A	XLMI17VA380002	SHIELD ASSY LM/MR17V-AAA (EMI cover+Mylar)REV:1			1
137	B-00008051	XLMI19VA040002	MAIN BOARD ASSY LM/MR19V-AAAD For VG721/VG921 Common			1
138	B-00008052	XLMI19VA050001	KEY BOARD ASSY LM/MR19V-AAAD			1
139	N/A	XLMI19VA050002	KEY BOARD ASSY LM/MR19V-AAAD 2SIDES			1
140	N/A	Y640224002*1	DVI HD FEMALE 24P H=20MM			1
141	N/A	Y640307001*1	JACK PHONE EAR (TJ312-5BP-1)			1
142	N/A	Y64115HB04*1	CONNECTOR M 180°/2.0mm 1 ROW 4P			1
143	N/A	Y64115HB06*1	CONNECTOR 180° 2mm 1ROW 6PIN			1

8. Exploded Diagram and Exploded Parts List



EXPLODED PARTS LIST (VG730m-3)

ViewSonic Model Number: VS11383

Rev: 1a

Serial No. Prefix: QBY

Item	ViewSonic P/N	Ref. P/N	Description	Q'ty
1	N/A	P791P500LM060-A	LENS PMMA LM/MR19V-AAAD	1
2	N/A	P761A99BLM010-B	POWER BUTTON ABS HB SILVER LM/MR19V-AAAD REV.0	1
3	N/A	P763A99BLM130-B	FUNCTION BUTTON ABS HB SILVER LM/MR19V-AAAD REV.0	1
4	N/A	P727A900LM100-H	BEZEL ABS HB BLACK+SILVER LM/MR19V-AAAD REV.0	1
5	N/A	P392522A40001	SPEAKER SPONGEL25*W22.25*H14.1mmEVA	4
6	N/A	E231080200020	SPEAKER 4020CPC OBLONG 8Ω 2W4PIN	1
7	E-00005792	E34862190H303	LCD MODULE HSD190ME13-A16 1280×1024 [SX] 19" LVDSHANNSTAR	1
8	N/A	M101082807401	SCREW H Φ2.8*L7mm	4
9	N/A	M105243005401	SCREW MACHINE B(Binding) Φ3.0mm L5mm NICKEL	14
10	N/A	M621700LM0420-A	Bracket SECC	1
11	B-00008051	XLM19VA040002	MAIN BOARD ASSY LM/MR19V- AAAD For VG730/VG930	1
12	B-00008053	XLM1700390015-SF	POWER BOARD+INVERTER BOARD	1
13	N/A	M105244005401	SCREW MACHINE +/BΦ4.0*L5mm NICKEL withtoothed lock washers	1
14	N/A	P369579010001	MYLARL95*W79.5*T0.125mmWHITH ADHESIVE	1
15	N/A	M711200LM0150-E	SPTLM/MR19V-AAAD	1
16	N/A	M155223008401	SCREW PΦ3.0* L8mm NICKEL	4
17	N/A	M628700LM0010-F	Supporter SECC LM/MR19V-AAAD REV:0	1
18	N/A	M632700LM0060	FIX PLATE SECC T0.8mmLM/ML17A2-a REV.0	1
19	N/A	M410810130001	VASA BKT T=0.8mmSECC	4
20	N/A	P728A995LM140-A	HOUSING ABS HB BLACK LM/MR19V-AAAD	1
21	HW-00008005	XLM19VA270001	MECHANICAL ASSY LM/MR19V-AAAD BRACKET+BASE	1
22	N/A	M105244006C01	SCREW MACHINE +/BΦ4.0*L6mm	8
23	N/A	P642004010001	Φ4.84*H5.5mmBLACK	4
24	N/A	P703A995LM010-A	ABS HB BLACK LM/MR19V-AAAD REV:0	1

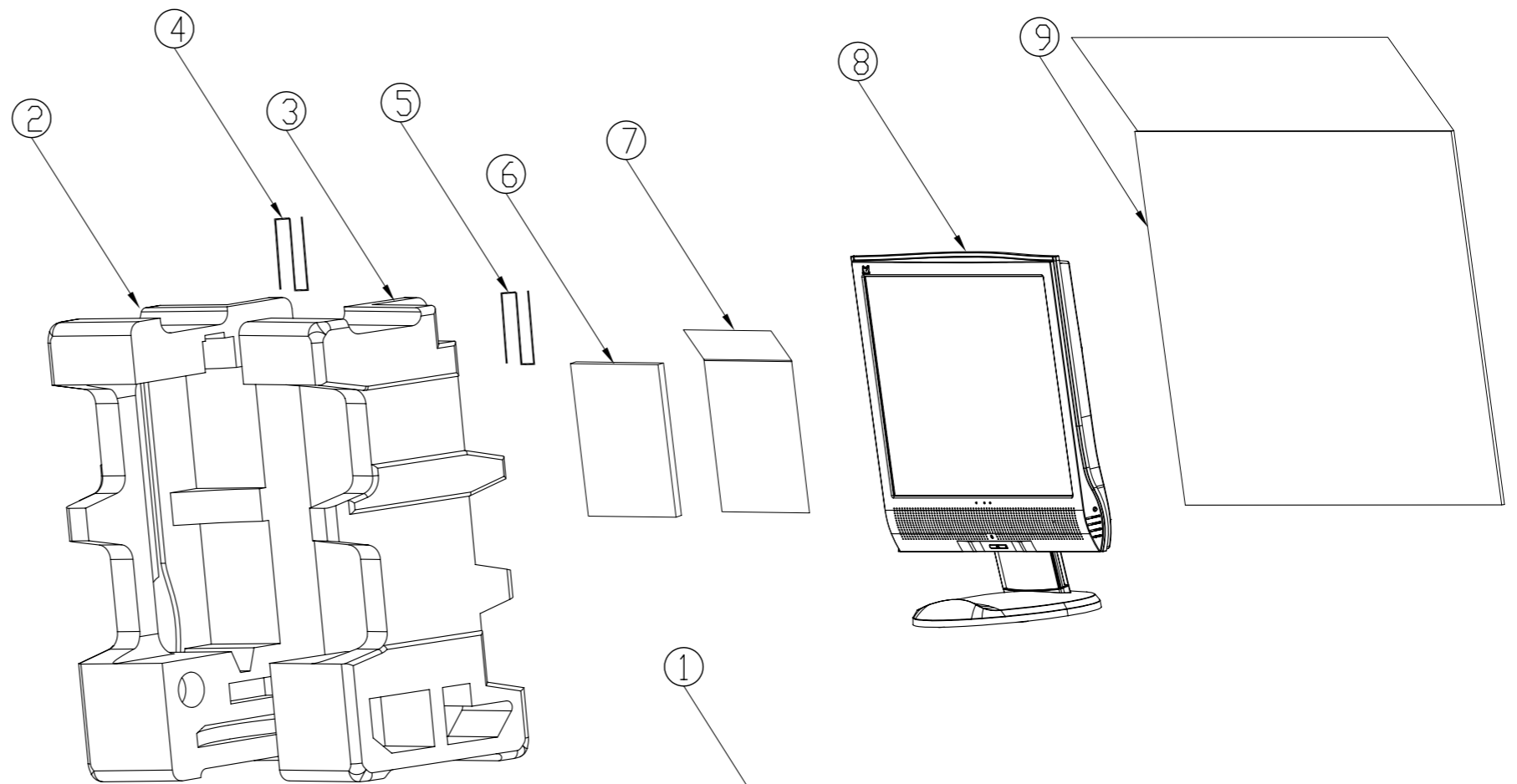
EXPLODED PARTS LIST (VA730m-1)

ViewSonic Model Number: VS11383

Rev: 1a

Serial No. Prefix: QD4

Item	ViewSonic P/N	Ref. P/N	Description	Q'ty
1	N/A	P791P500LM060-A	LENS PMMA LM/MR19V-AAAD	1
2	N/A	P761A99BLM010-B	POWER BUTTON ABS HB SILVER LM/MR19V-AAAD REV.0	1
3	N/A	P763A99BLM130-B	FUNCTION BUTTON ABS HB SILVER LM/MR19V-AAAD REV.0	1
4	N/A	P727A900LM141-B	BEZEL ABS HB SILVER+BLACK LM/MR17V-AAAD FOR VIEWSONIC REV:1	1
5	N/A	P392522A40001	SPEAKER SPONGEL25*W22.25*H14.1mmEVA	4
6	N/A	E231080200020	SPEAKER 4020CPC OBLONG 8Ω 2W4PIN	1
7	E-00005792	E34862190H303	LCD MODULE HSD190ME13-A16 1280×1024 [SX] 19" LVDSHANNSTAR	1
8	N/A	M101082807401	SCREW H Φ2.8*L7mm	4
9	N/A	M105243005401	SCREW MACHINE B(Binding) Φ3.0mm L5mm NICKEL	14
10	N/A	M621700LM0420-A	Bracket SECC	1
11	B-00008051	XLM19VA040002	MAIN BOARD ASSY LM/MR19V- AAAD For VG730/VG930	1
12	B-00008053	XLM1700390015-SF	POWER BOARD+INVERTER BOARD	1
13	N/A	M105244005401	SCREW MACHINE +/BΦ4.0*L5mm NICKEL withtoothed lock washers	1
14	N/A	P369579010001	MYLARL95*W79.5*T0.125mmWHITH ADHESIVE	1
15	N/A	M711200LM0150-E	SPTLM/MR19V-AAAD	1
16	N/A	M155223008401	SCREW PΦ3.0* L8mm NICKEL	4
17	N/A	M628700LM0010-F	Supporter SECC LM/MR19V-AAAD REV:0	1
18	N/A	M632700LM0060	FIX PLATE SECC T0.8mmLM/ML17A2-a REV.0	1
19	N/A	M410810130001	VASA BKT T=0.8mmSECC	4
20	N/A	P728A995LM150-A	HOUSING ABS HB BLACK 射出成型 LM/MR17V-AAAD REV:0	1
21	HW-00008005	XLM19VA270001	MECHANICAL ASSY LM/MR19V-AAAD BRACKET+BASE	1
22	N/A	M105244006C01	SCREW MACHINE +/BΦ4.0*L6mm	8
23	N/A	P642004010001	Φ4.84*H5.5mmBLACK	4
24	N/A	P703A995LM010-A	ABS HB BLACK LM/MR19V-AAAD REV:0	1



PACKING PART LIST (VG730m-3)

ViewSonic Model Number: VS11383

Rev: 1a

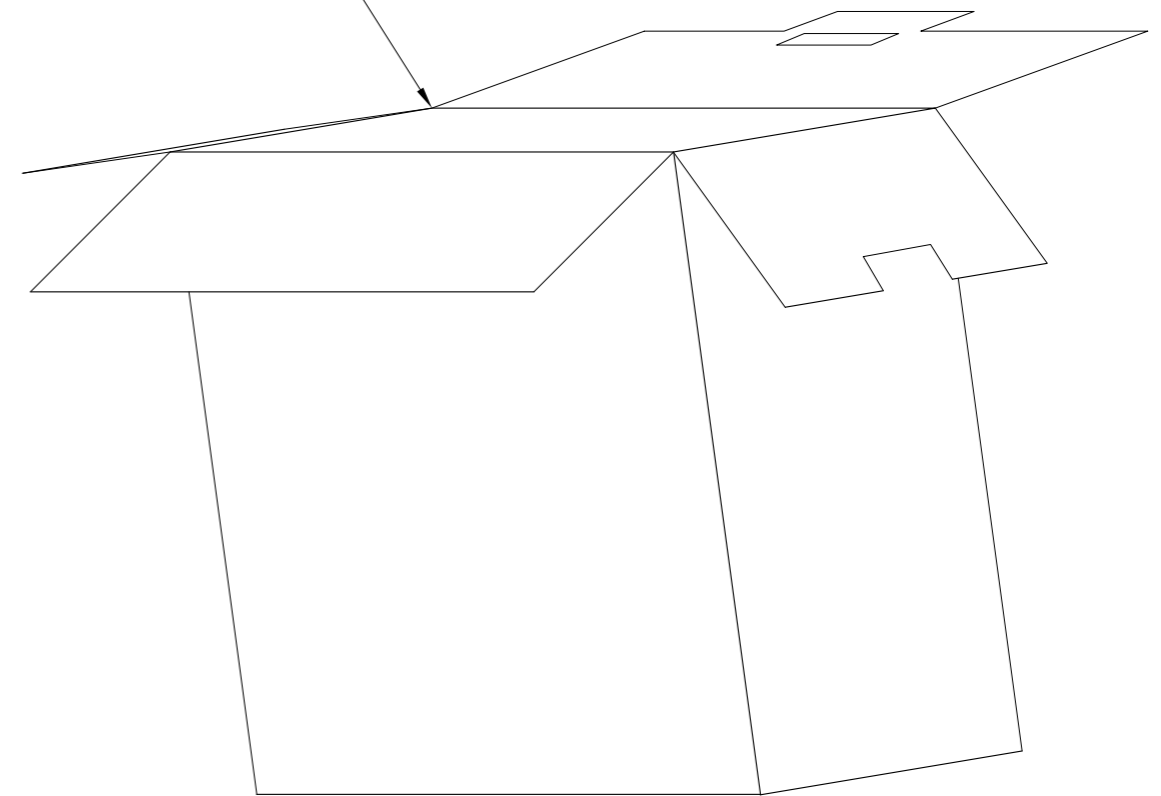
Item	ViewSonic P/N	Ref. P/N	Location	Q'ty
1	P-00008058	F40071617VA01	VG730m	1
2	P-00008060	F2014317VA001	POLYETHYLENE -R EPS LM/MR17V-ABADL530*W270*H145mm	1
3	P-00008059	F2013317VA001	POLYETHYLENE -L EPS LM/MR17V-ABADL530*W270*H145mm	1
4	A-00008026	W402091809531	AC POWER CORD US RVV300/500V 3G S0.75mm2 L180cm BLACK	1
5	CB-00006504	W0926418AQ951	VGA CABLE 30AWG UL20276 L1800mm 15PIN BLACK	1
6	DC-00008071	F801190000020	CD ENGLISH+FRRENCH+GERMANY+ITALY+SPAIN+FINLAND+JAPANESE+KOREAN+CZECH+CHINESE LM/MR17V-AAAD FOR VIEWSONICVG730m REV:0	1
7	N/A	F300272501501	PLASTIC BAG LDPE L250*W150*T0.08mm	1
8			MONITOR	1
9	P-00008176	F300257605251	PLASTIC BAG PE L760*W525*T0.08mm	1

PACKING PART LIST (VA730m-1)

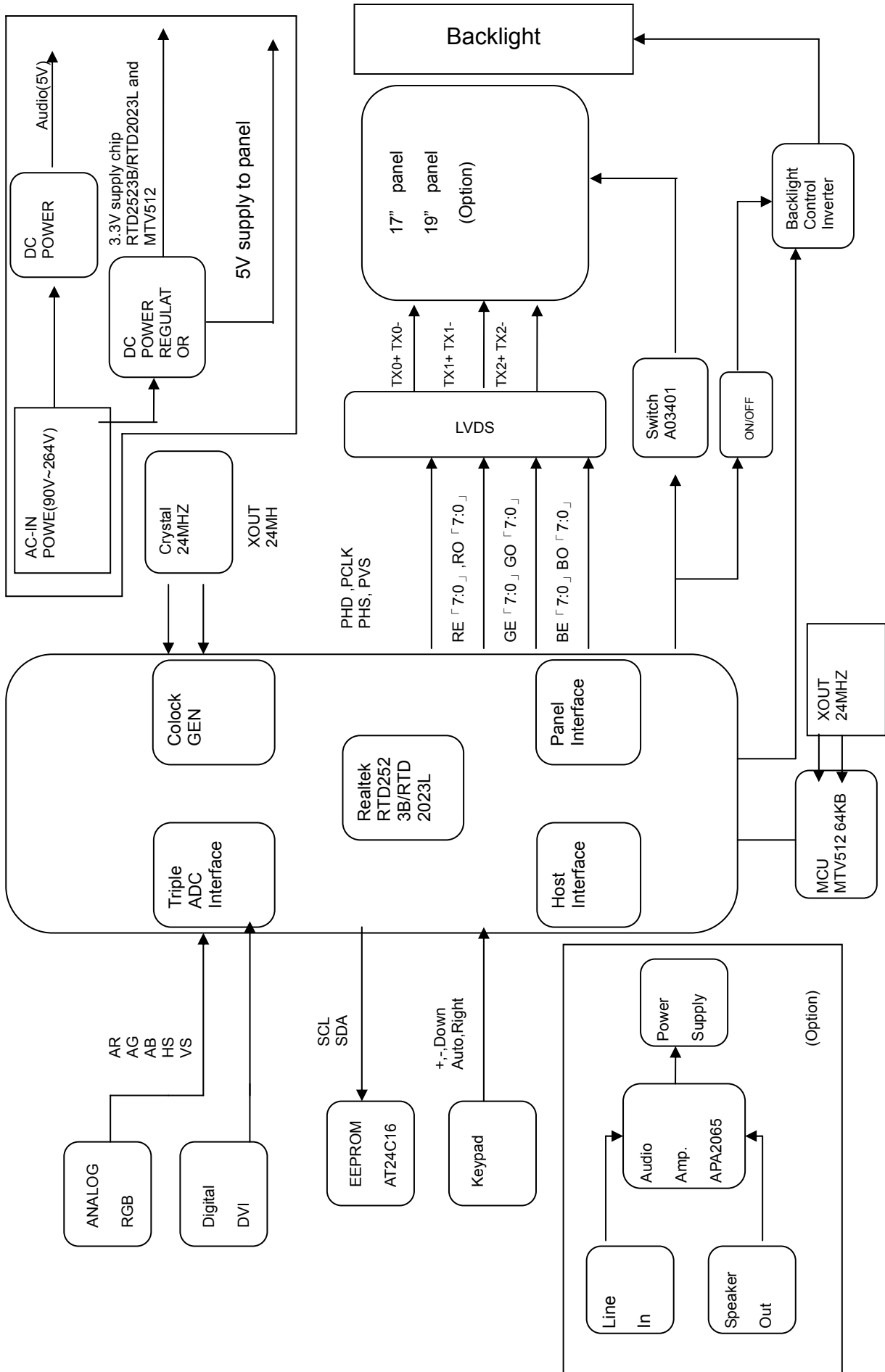
ViewSonic Model Number: VS11383

Rev: 1a

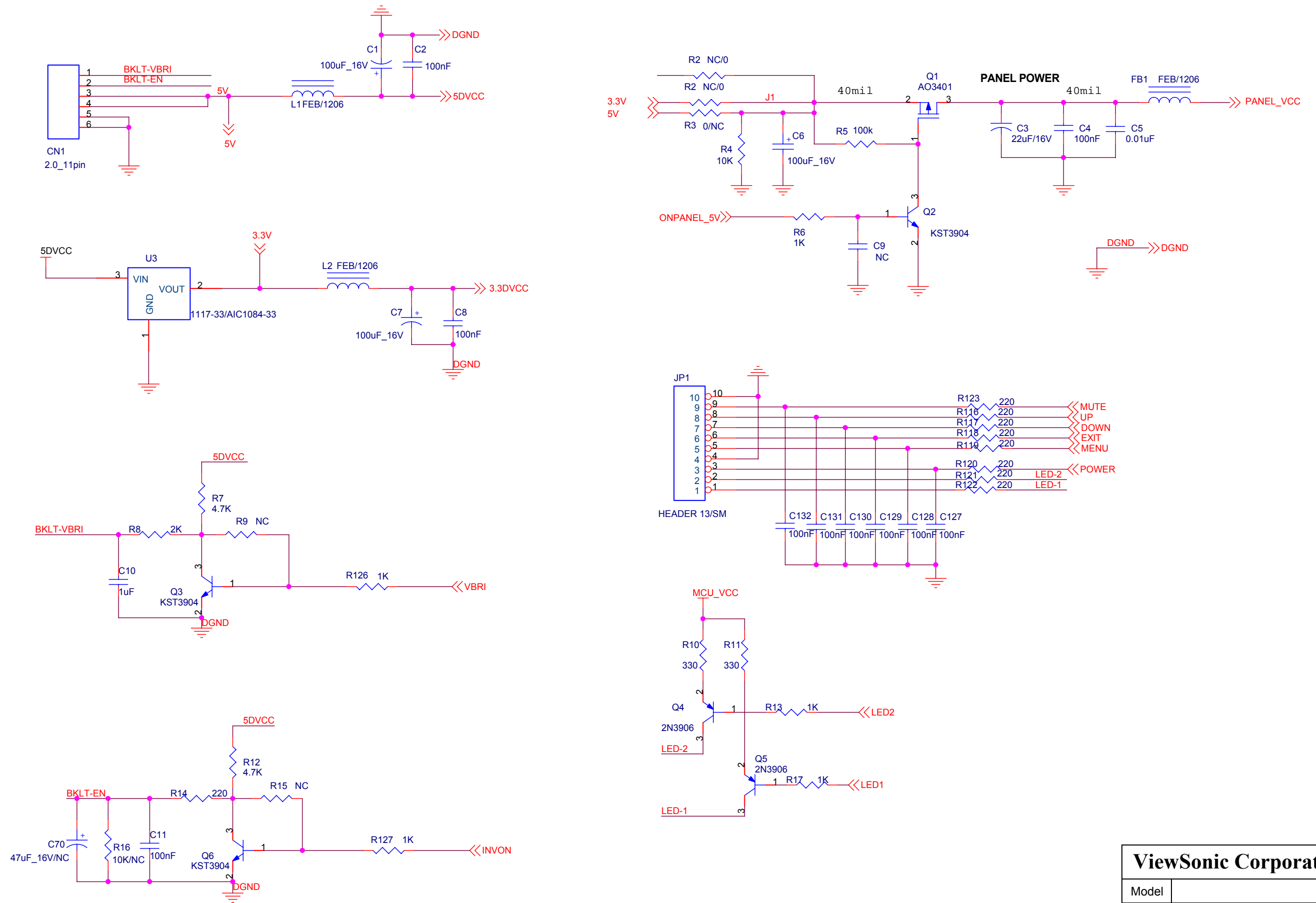
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1	P-00008080	F40071617VA02	CARTON K3K LM/MR17V-AAAD L486*W278*H592mm for viewsonic VA730m	1
2	P-00008060	F2014317VA001	POLYETHYLENE -R EPS LM/MR17V-ABADL530*W270*H145mm	1
3	P-00008059	F2013317VA001	POLYETHYLENE -L EPS LM/MR17V-ABADL530*W270*H145mm	1
4	A-00008026	W402091809531	AC POWER CORD US RVV300/500V 3G S0.75mm2 L180cm BLACK	1
5	CB-00006504	W0926418AQ951	VGA CABLE 30AWG UL20276 L1800mm 15PIN BLACK	1
6	DC-00008071	F801190000020	CD ENGLISH+FRRENCH+GERMANY+ITALY+SPAIN+FINLAND+JAPANESE+KOREAN+CZECH+CHINESE LM/MR17V-AAAD FOR VIEWSONICVG730m REV:0	1
7	N/A	F300272501501	PLASTIC BAG LDPE L250*W150*T0.08mm	1
8			MONITOR	1
9	P-00008176	F300257605251	PLASTIC BAG PE L760*W525*T0.08mm	1



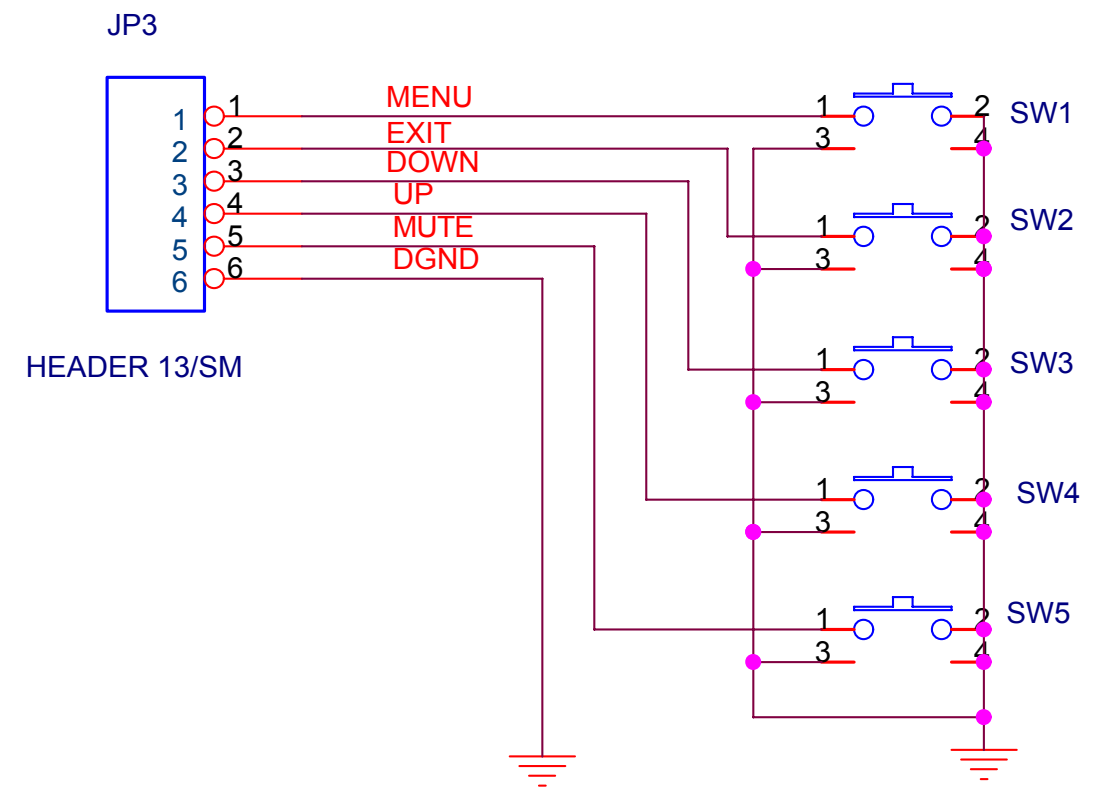
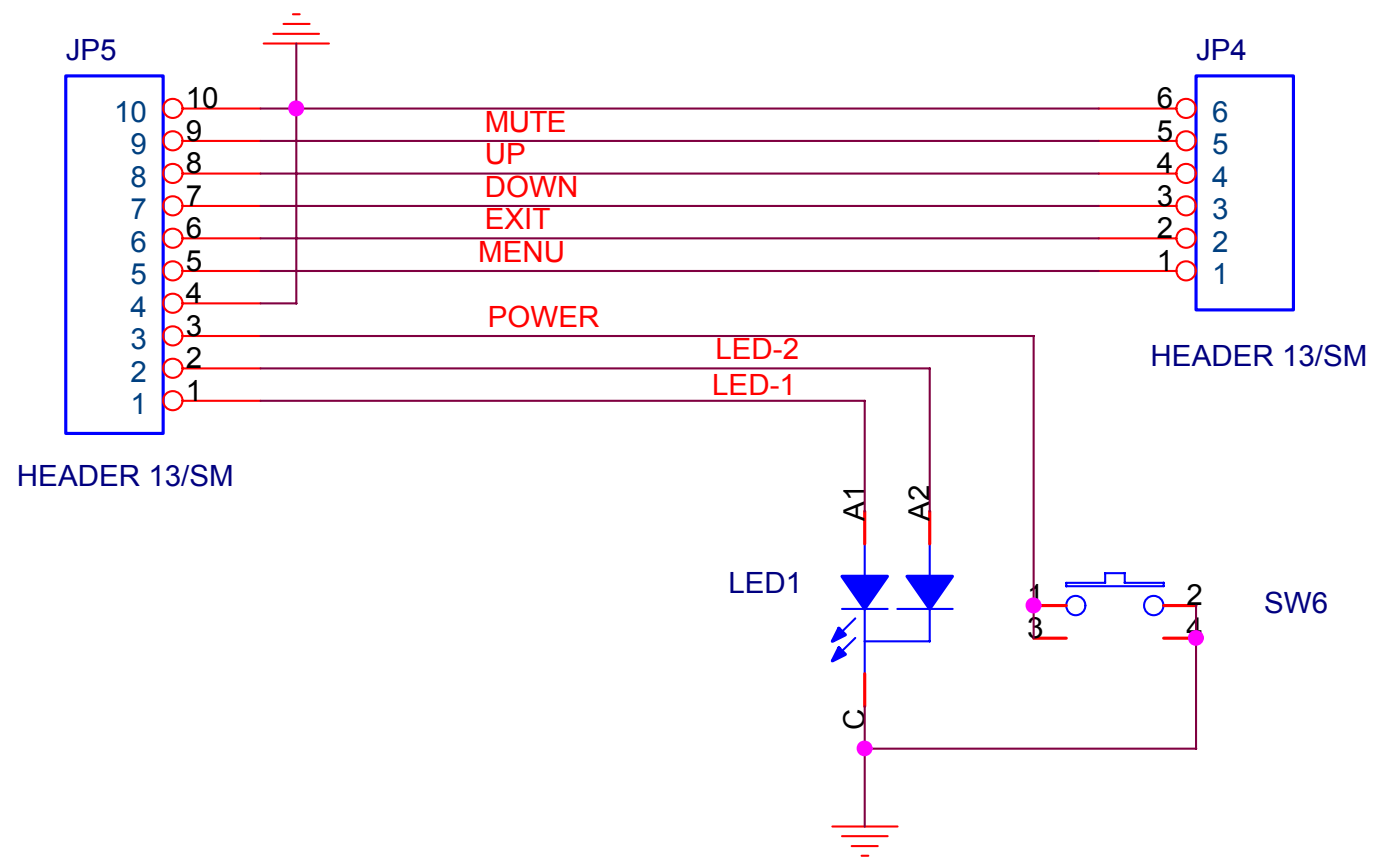
9. Block Diagram



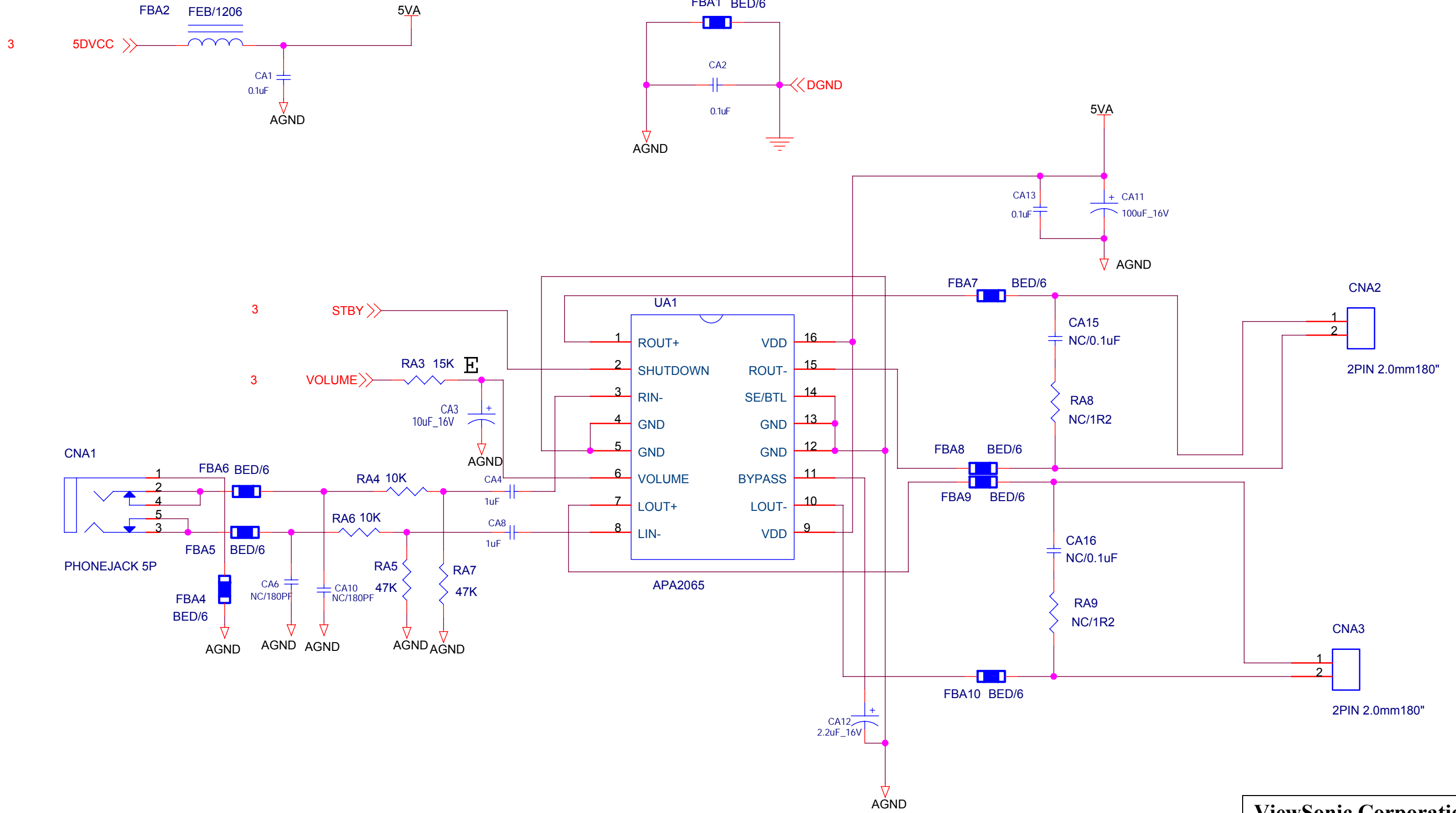
10. Schematic Diagrams



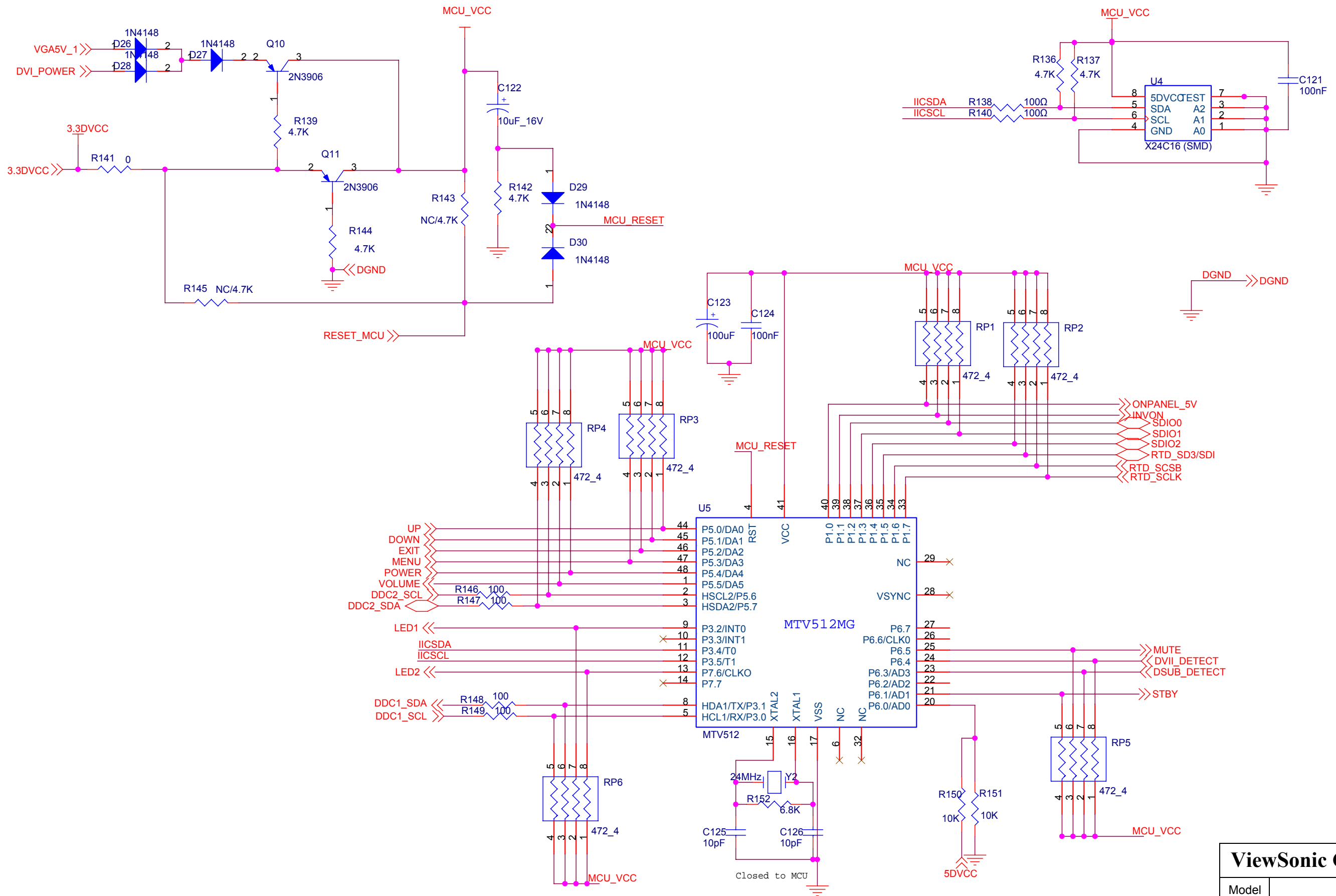
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Title	
Date	Rev:



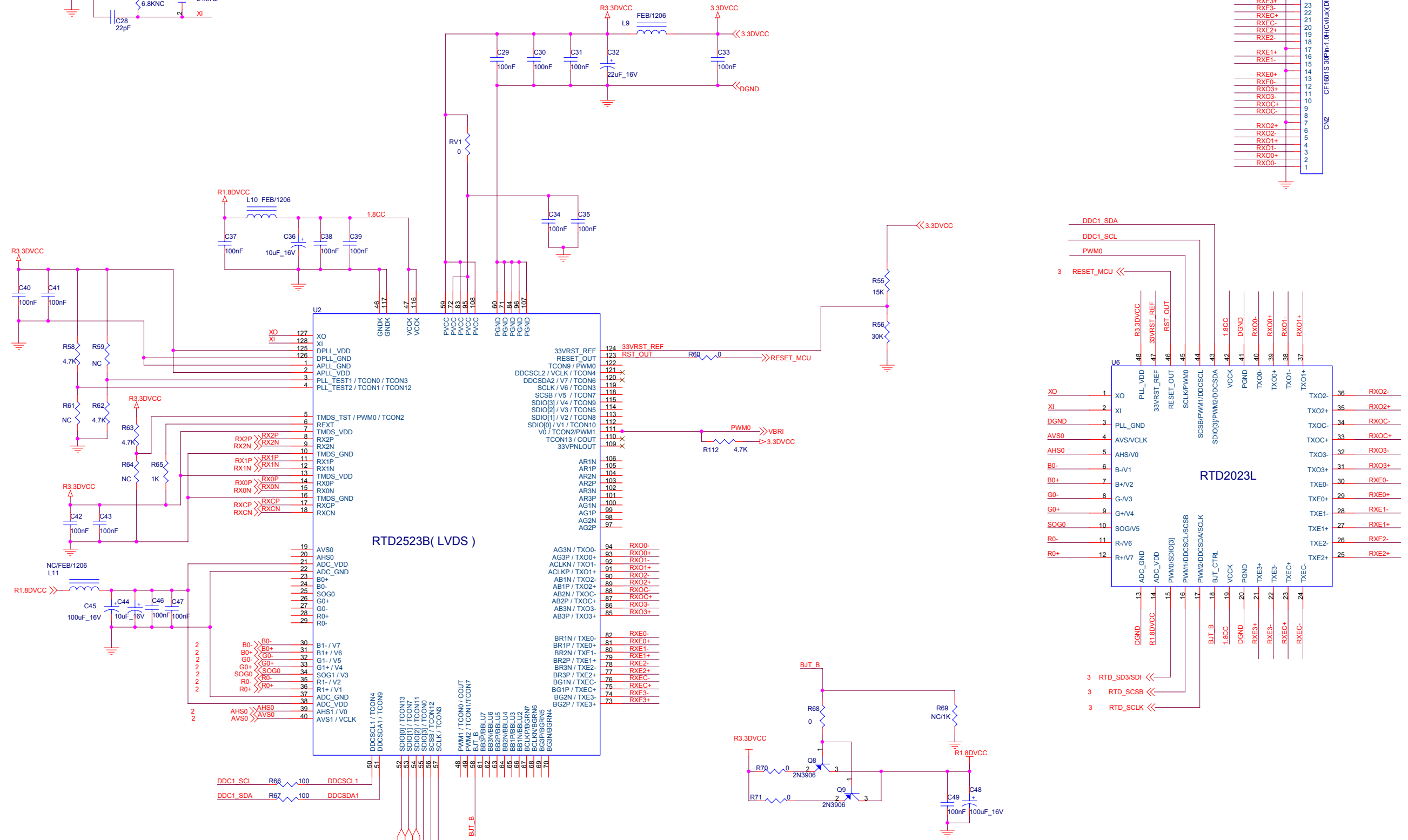
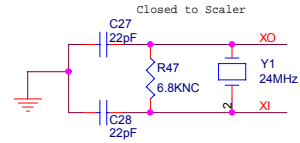
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Date	Rev:

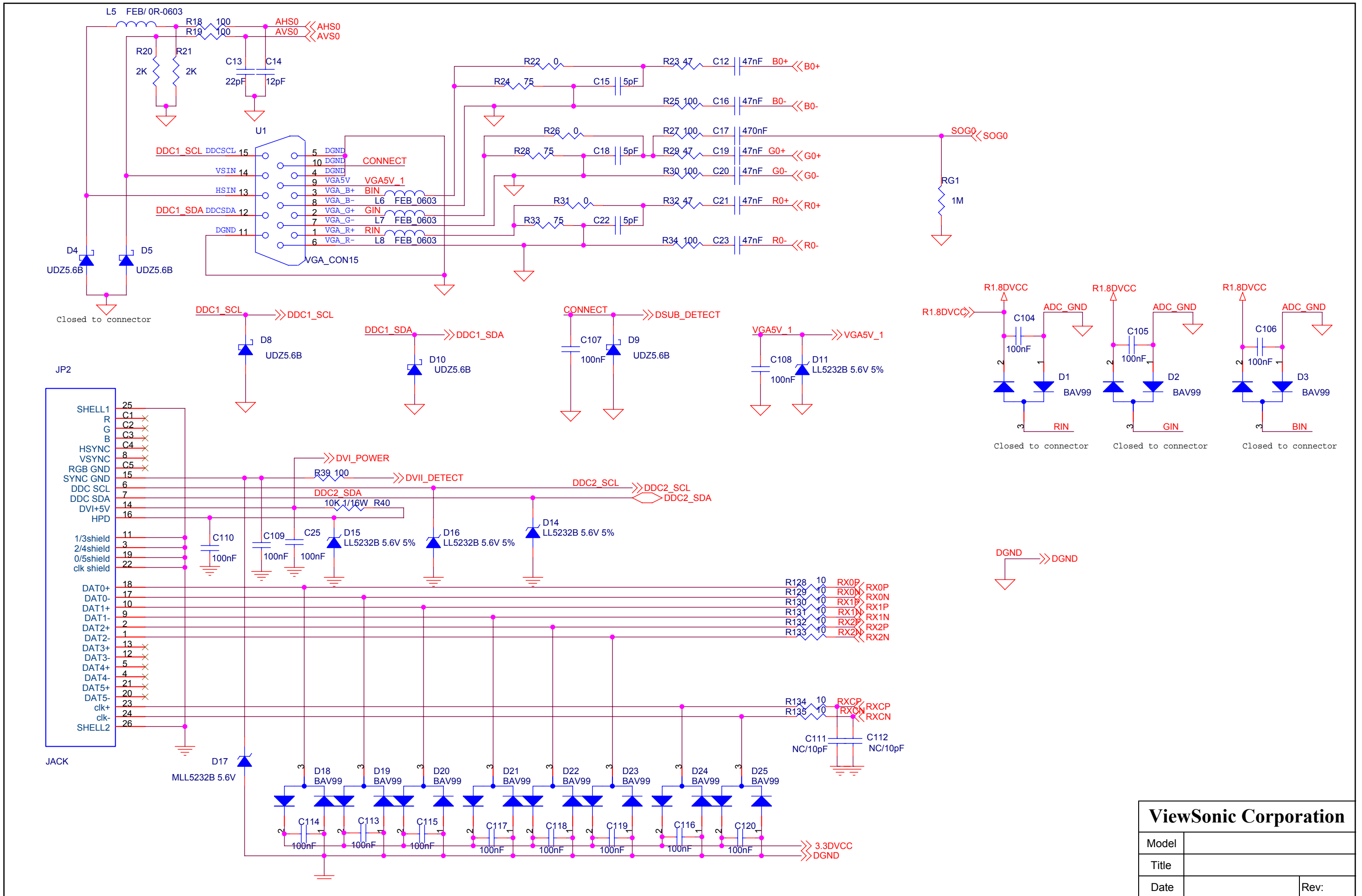


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Title	
Date	Rev:



ViewSonic Corporation

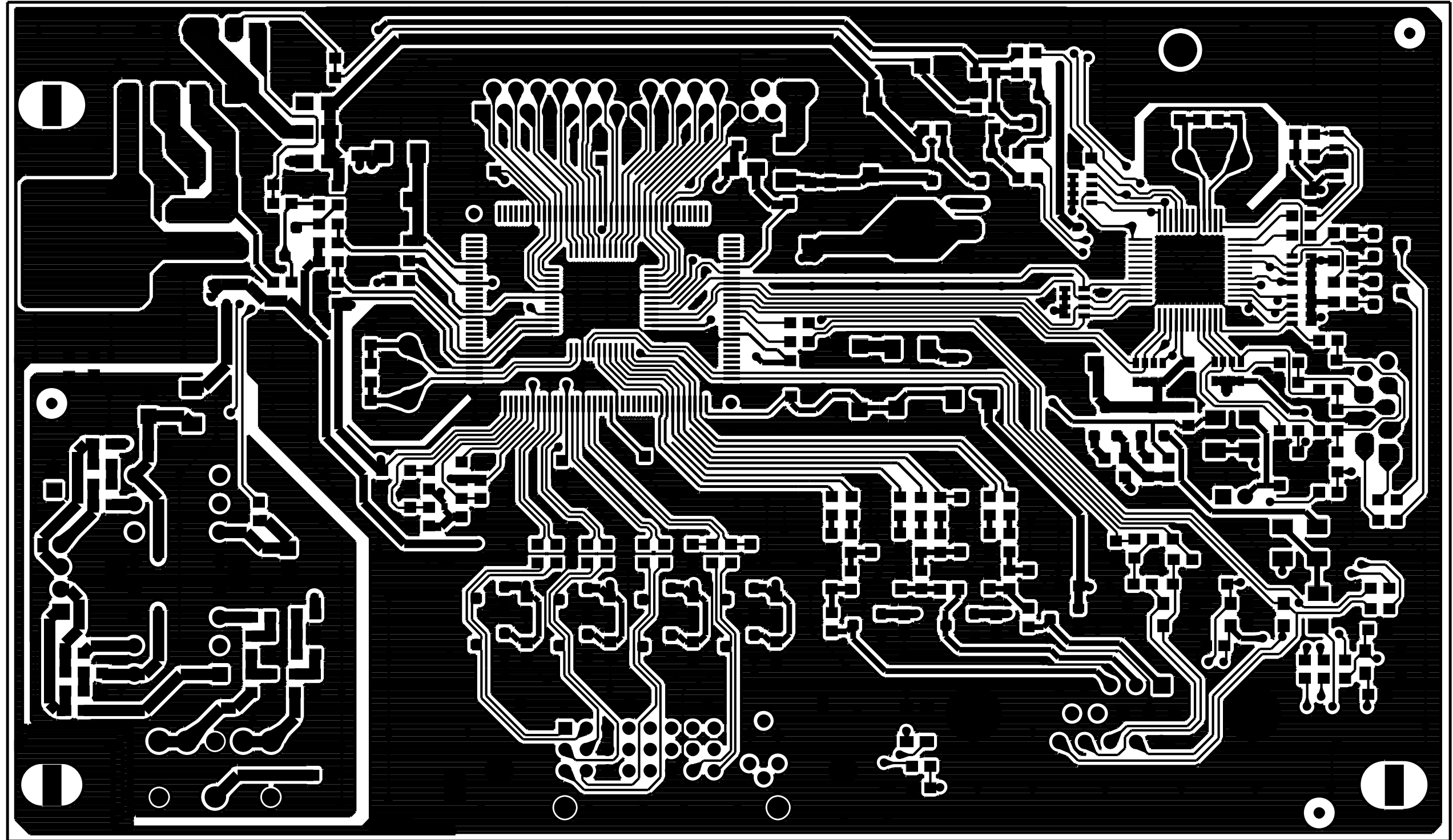
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ViewSonic Corporation

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Date	Rev:

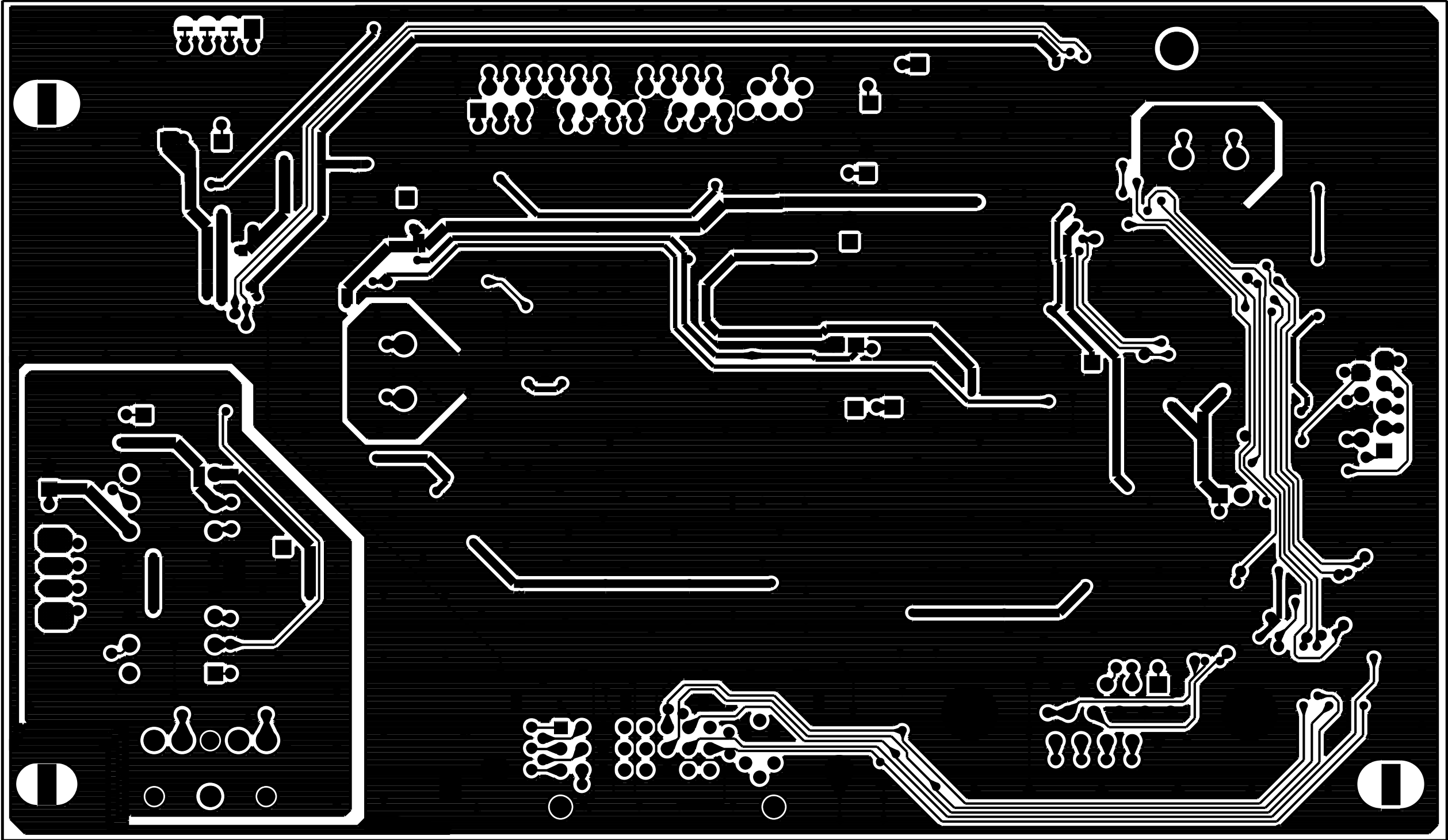
TOP SIDE



ViewSonic Corporation

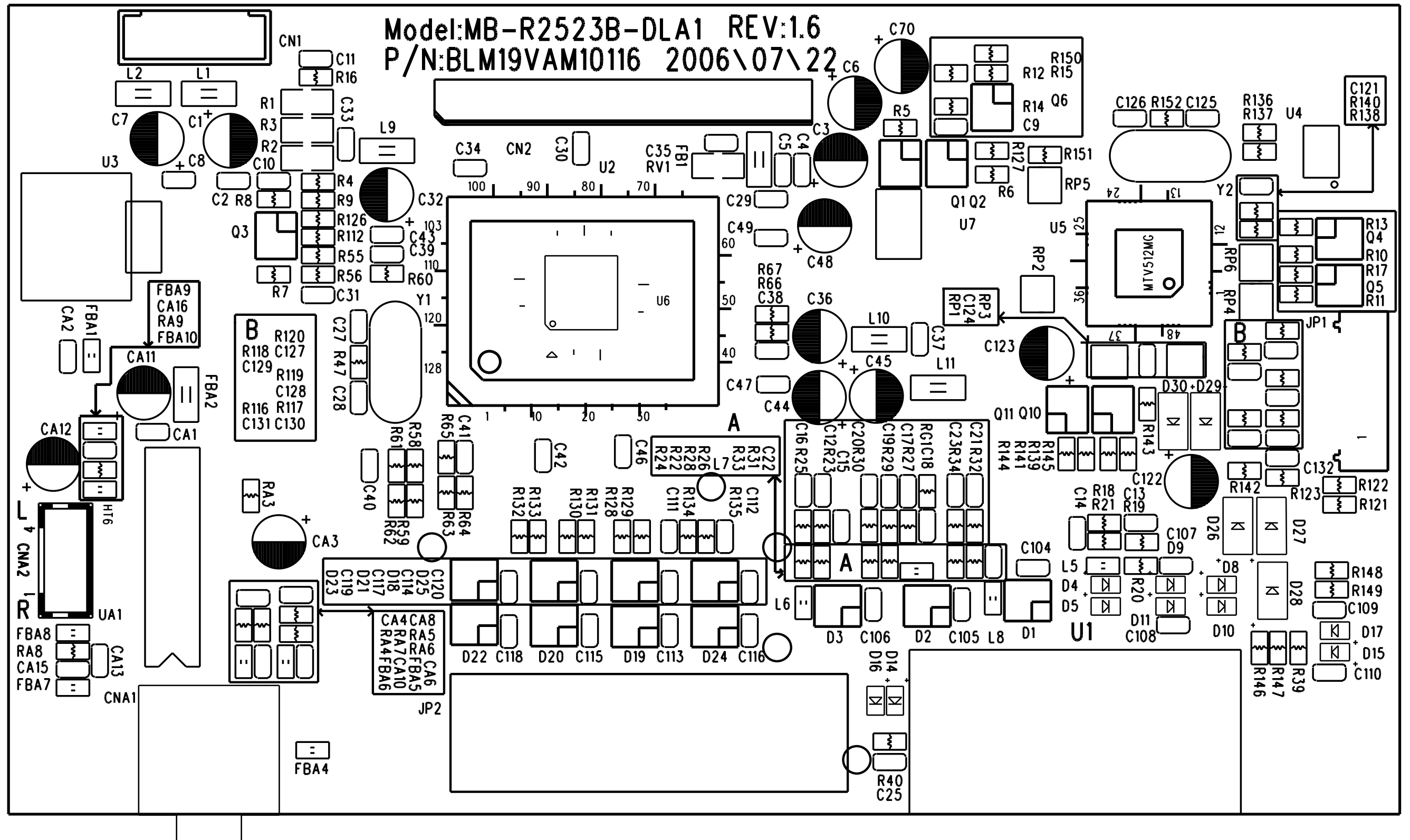
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Date	Rev:

BOTTOM SIDE



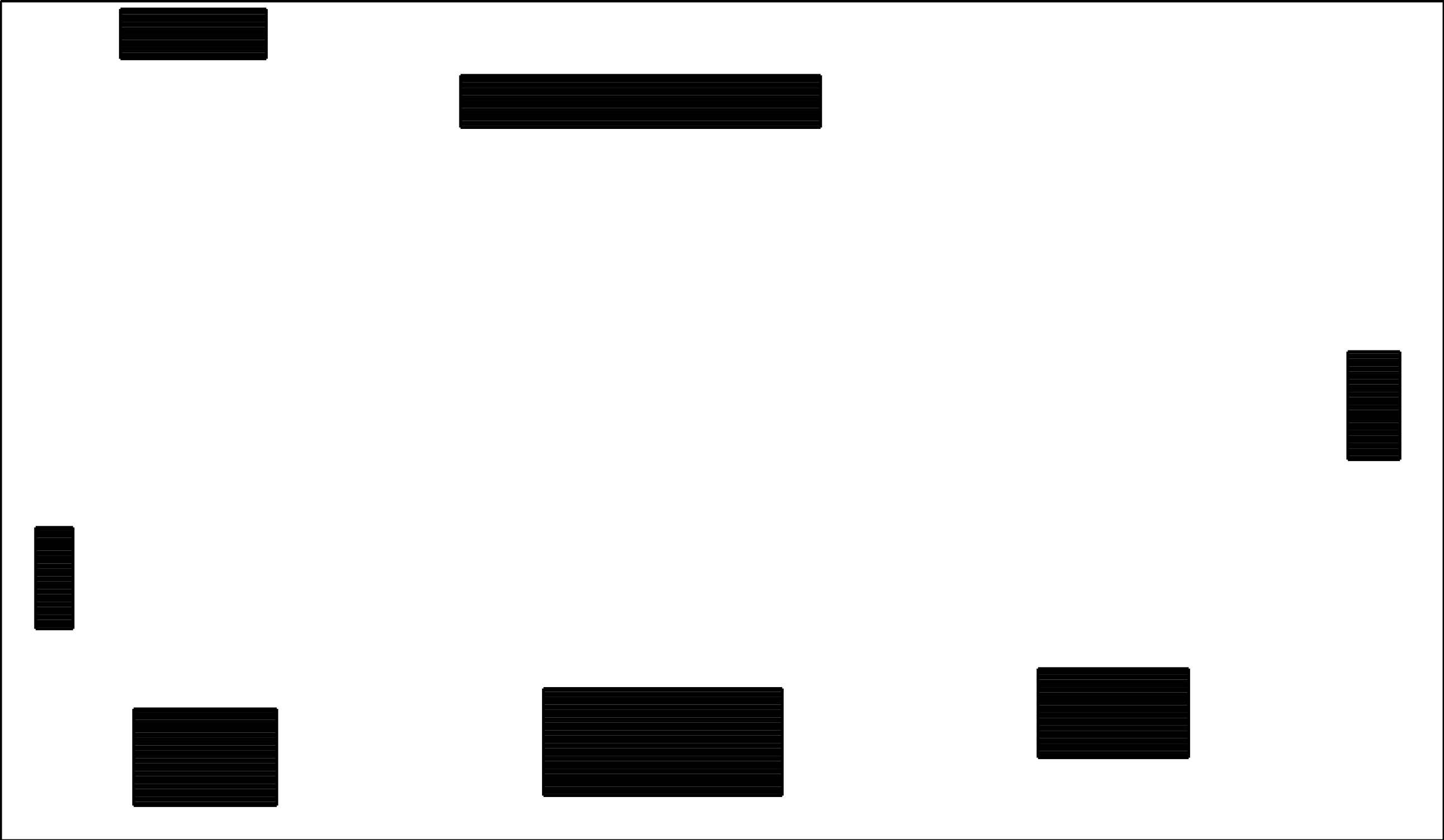
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Title	BOTTOM SIDE
Date	Rev:

SILKSCREEN-TOP



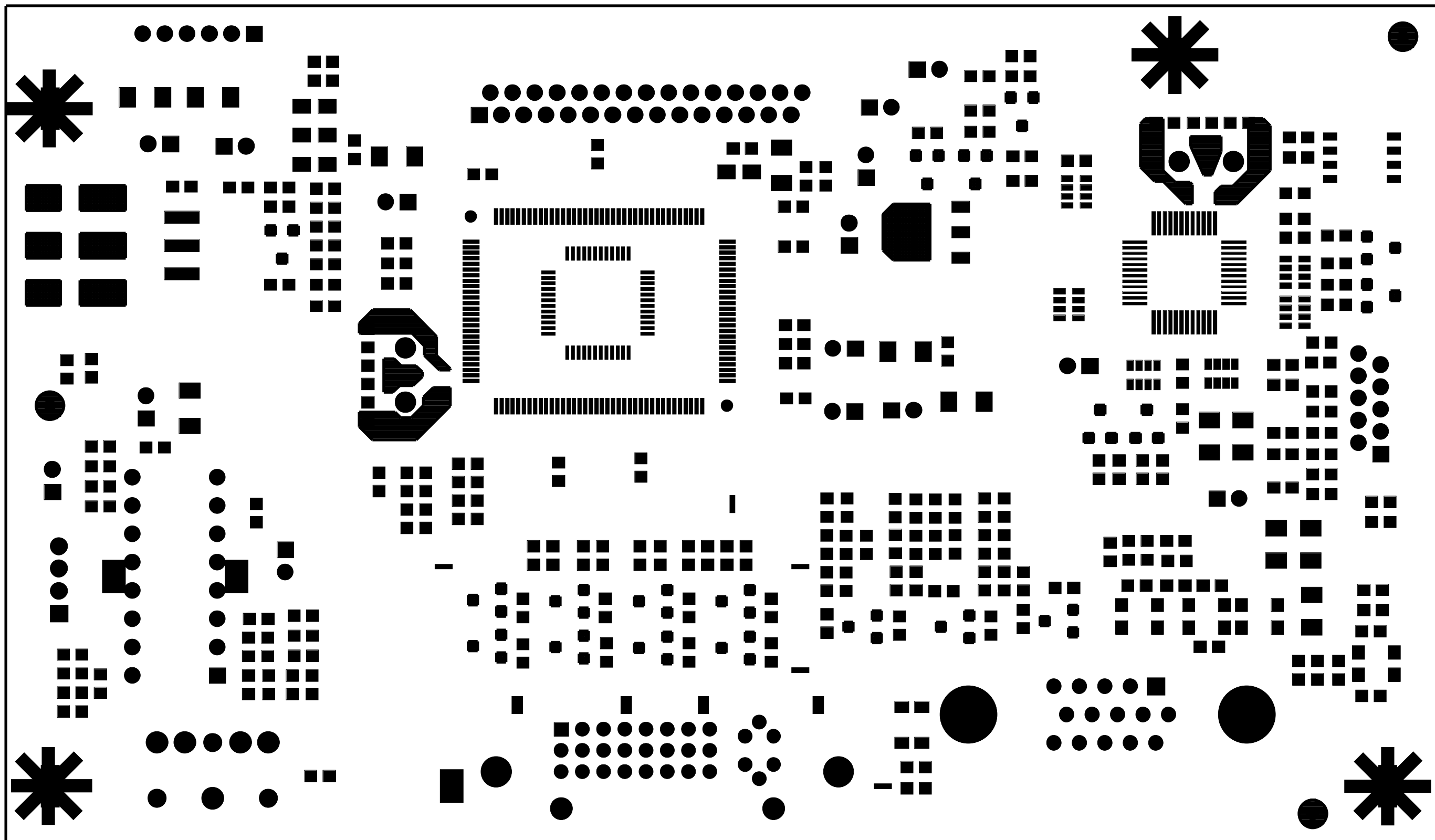
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Date	Rev:

SILKSCREEN-BOTTOM



ViewSonic Corporation	
Model	
Title	SILKSCREEN-BOTTOM
Date	Rev:

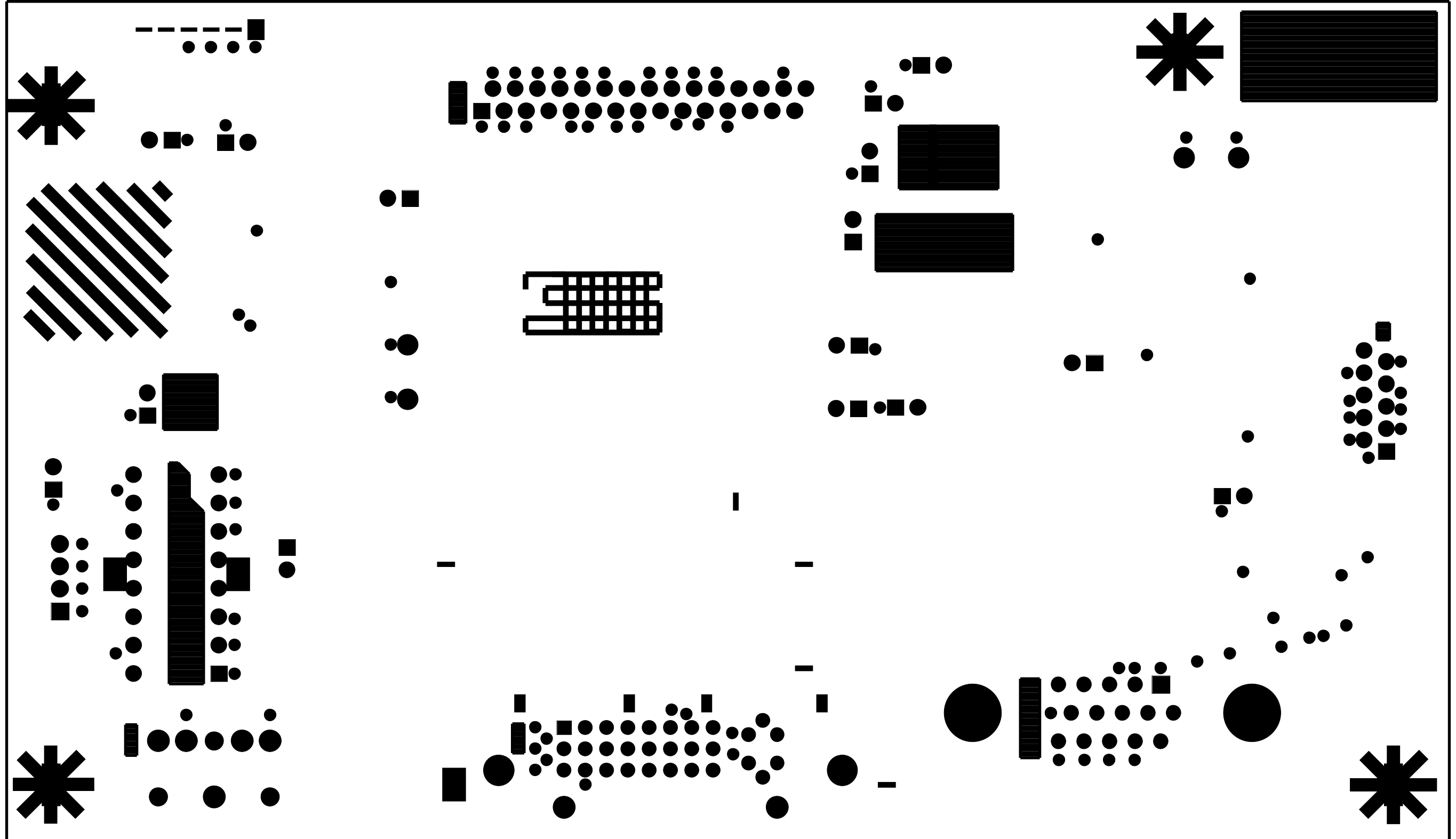
MASK-TOP



ViewSonic Corporation

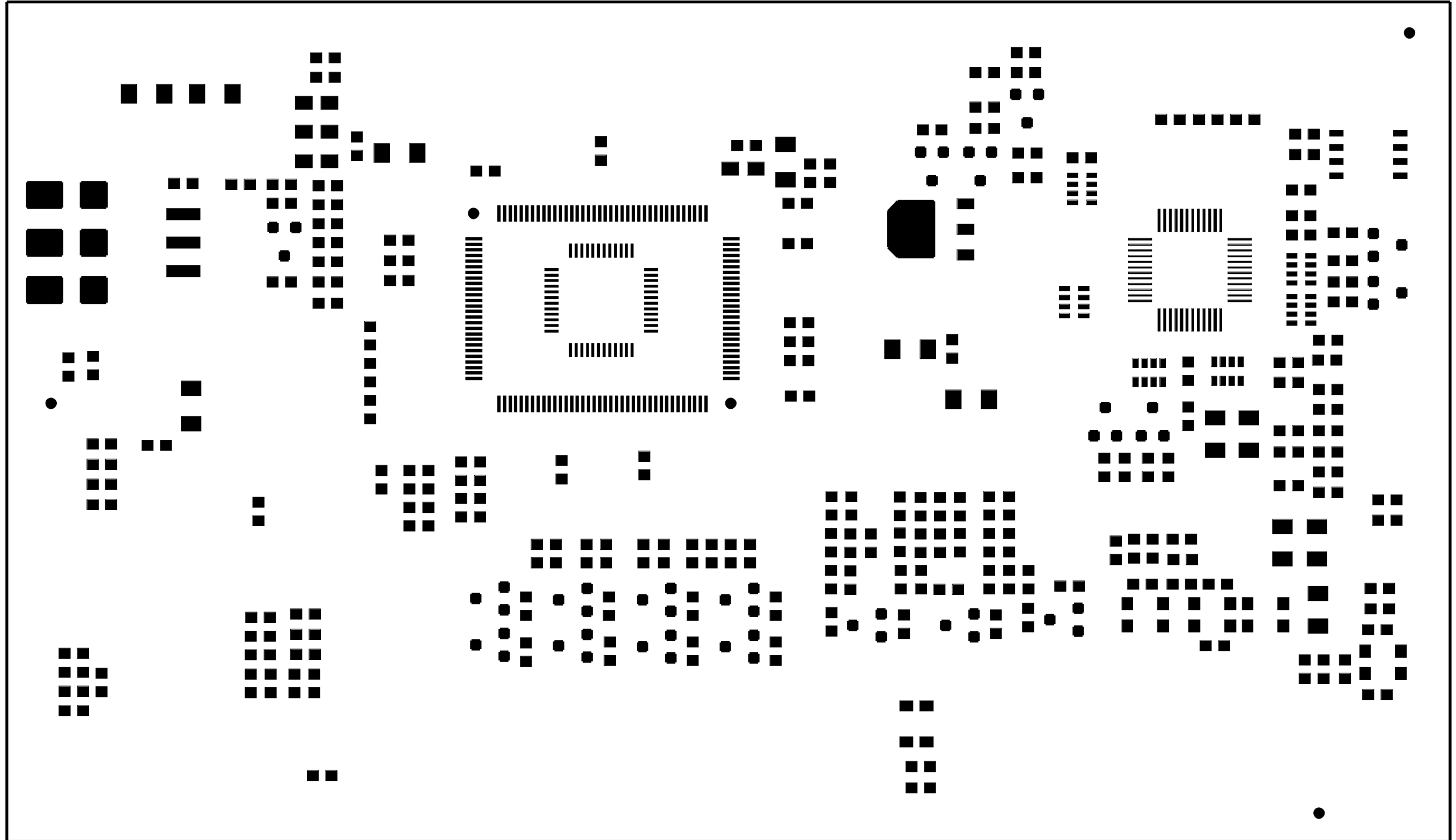
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Date	
	Rev:

MASK-BOTTOM



ViewSonic Corporation	
Model	
Title	MASK-BOTTOM
Date	Rev:

SMD-TOP



ViewSonic Corporation	
Model	
Title	SMD-TOP
Date	Rev:

* *Reader's Response* *

Dear Readers:

Thank you in advance for your feedback on our Service Manual, which allows continuous improvement of our products. We would appreciate your completion of the Assessment Matrix below, for return to ViewSonic Corporation.

Assessment

A. What do you think about the content of this Service Manual?

<i>Unit</i>	<i>Excellent</i>	<i>Good</i>	<i>Fair</i>	<i>Bad</i>
1. Precautions and Safety Notices				
2. Specification				
3. Front Panel Function Control Description				
4. Circuit Description				
5. Adjustment Procedure				
6. Troubleshooting Flow Chart				
7. Recommended Spare Parts List				
8. Exploded Diagram and Exploded Parts List				
9. Block Diagrams				
10. Schematic Diagrams				
11. PCB Layout Diagrams				

B. Are you satisfied with this Service Manual?

<i>Item</i>	<i>Excellent</i>	<i>Good</i>	<i>Fair</i>	<i>Bad</i>
1. Service Manual Content				
2. Service Manual Layout				
3. The form and listing				

C. Do you have any other opinions or suggestions regarding this service manual?

Reader's basic data:

Name:		Title:	
Company:			
Add:			
Tel:		Fax:	
E-mail:			

After completing this form, please return it to ViewSonic Quality Assurance in the USA at facsimile 1-909-839-7943. You may also e-mail any suggestions to the Director, Quality Systems & Processes (marc.maupin@viewsonic.com)