

Service Manual

ViewSonic VA703b-4 VA703m-4

**Model No. VS11366
17" Color TFT LCD Display**

(VA703b-4_VA703m-4_SM Rev. 1b Oct. 2006)

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Revision History

Revision	SM Editing Date	ECR Number	Description of Changes	Editor
1a	7/24/2006		Initial Release	J. Chang
1b	10/04/2006		Add COM / SVA panel source	J. Chang

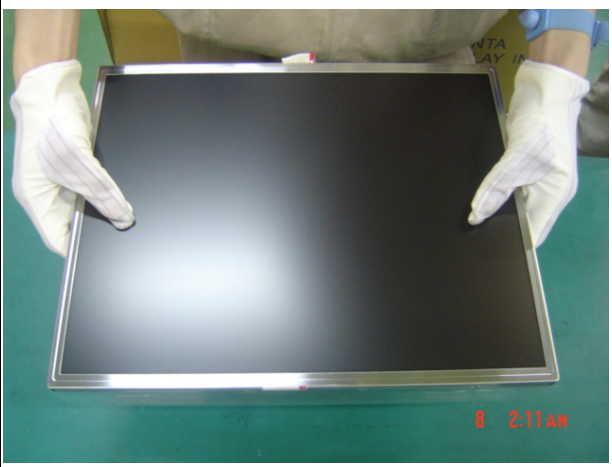
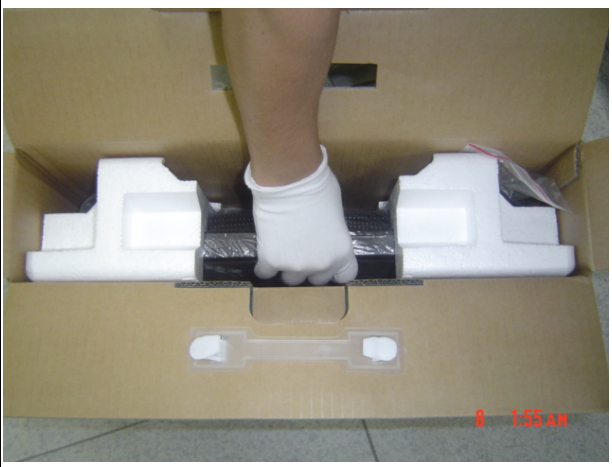
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1. Precautions and Safety Notices

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
Only touch the metal frame of the LCD panel or the front cover of the monitor, DO not touch the surface of the POL	Surface of the LCD panel is pressed by fingers and that may cause”mura”
	
	
Take out the monitor with cushions	Taking out the monitor by grasping the LCD panel, that May cause”mura”
	

Place the monitor on a clean and soft foam pad	Placing the monitor on a foreign objects, that could scratch The surface of the "Panel" or cause "mura"
	
	The panel is placed facedown the lap,that may cause "mura" 

2. Specification

INTRODUCTION

	FEATURES	VA703b-4 / VA703m-4
1 st TFT LCD panel INNOLUX MT170EN01 V7	Size	17 "
	Luminance (Typ)	280 cd/m ²
	Contrast Ratio (Typ)	600 :1
	Colors	16.2 M colors (6+2bit panel)
	Response Time (Typ)	8 ms
	Viewing Angle (H/V)	150 ° / 135°
	Recommend resolution	1280 x 1024 @60Hz
2 nd TFT LCD panel SVA 170SX01TB	Size	17 "
	Luminance (Typ)	300 cd/m ²
	Contrast Ratio (Typ)	600 :1
	Colors	16.2 M colors (6+2bit panel)
	Response Time (Typ)	8 ms
	Viewing Angle (H/V)	130 ° / 110°
	Recommend resolution	1280 x 1024 @60Hz
3 rd TFT LCD panel CMO M170E5-L09	Size	17 "
	Luminance (Typ)	300 cd/m ²
	Contrast Ratio (Typ)	500 :1
	Colors	16.2 M colors (6+2bit panel)
	Response Time (Typ)	8 ms
	Viewing Angle (H/V)	150 ° / 130°
	Recommend resolution	1280 x 1024 @60Hz
Input Signal	Analog (75ohms, 0.7/1.0 Vp-p)	Yes
	Digital (DVI-D)	No
Sync Compatibility	Separate Sync	Yes
	Composite Sync	No
	Sync on Green	No
Compatibility	PC	Yes
	Power Mac	Yes
	TV Box (NextVision 6)	Yes
Power Voltage	AC 100-240V, 50/60Hz	Yes
Power Consumption	On Mode(Max / Typ)	Under 36 W in max
	Active Off Mode (Max)	Saving mode< 2W Off mode <1 W
Ergonomics	Tilt (-5 ° ~ +20 °)	Yes
	Swivel	No
	Pivot	No
	Height Adjust	No
OSD Control	[1] [2] [] [?] [?]	Yes
Dimension	Physical (W x H x D)	379x400x210 mm
	Package (W x H x D)	440x485x147 mm
Weight	Physical (Net Weight)	3.6Kg/ 7.9 lb
	Package (Gross Weight)	4.8Kg/ 10.5 lb
Operating Condition	Temperature (°F/°C)	32°F~104°F / 0°C~40°C
	Humidity (%)	20 % - 90 %
Storage Condition	Temperature (°F/°C)	-4°F~140°F / -20°C~60°C
	Humidity (%)	5 % - 90 %
Regulation	UL/CUL, FCC-B, CB, CE, TUV/GS, TUV/ERGO (cover ISO13406-2), TCO03, BSMI, CCC, PSB, C-TICK, ENERGY STAR, SASO, GOST-R / HYGIENIC, Argentina IRAM, WEEE, ROHS.	

PRODUCT DEFINITION AND SPECIFICATION

Product Name	VA703b-4 / VA703m-4
Model Number	VS11366
Region	M model for America E model for Europe G model for China P model for Asia A model for Australia S model for Singapore K model for Korea U model for UK
OSD Languages	English, French, German, Italian, Spanish, Finnish, Japanese, Traditional Chinese, Simplified Chinese
TFT LCD Panel and Model #	1 st TFT LCD panel INNOLUX MT170EN01
TFT LCD Panel and Model #	2 nd TFT LCD panel SVA 170SX01TB
TFT LCD Panel and Model #	3 rd TFT LCD panel CM0 M170E5-L09
Scalar	Realtek, Model # : RTD2023L
Input Signal	Analog
Sync Compatibility	Separate
Audio	1 W @ <15 % distortion (for VA703m-4 only)
Adapter	No
Power Cable	Refer to Appendix D
Analog Cable (1.8 m, color : black), with PC 2001 and Hot Plug Detect &DDC	Yes
Audio Cable (1.8m, Color: black) with PC 2001	Yes (for VA703m-4 only)
ViewSonic CD Wizard	Arabic, English, Finnish, Spanish, German, Italian, Swedish, Polish, Korean, Portuguese, Russian, French, Simplified Chinese, Traditional Chinese, Hungary, Czech, Turkish
ViewSonic Quick Start Guide	
Screen Protector Mylar	Yes
Hi Pot label	Yes
QA pass label	For G model only
Hg Warning label	Yes
Warranty Sticker	For G model only
Warranty Card	For G model only
Carton Sticker	For G model only
PE bag of Carton	For G model only

2-1 GENERAL specification

Test Resolution & Frequency	1280 x 1024 @ 60Hz
Test Image Size	Full Size
Contrast and Brightness Controls	Factory Default: Contrast = 70%, Brightness = 100%

2-1 VIDEO INTERFACE

Analog Input Connector	DB-15 (Analog), refer the appendix A
Default Input Connector	Defaults to the first detected input
Video Cable Strain Relief	Equal to twice the weight of the monitor for five minutes
Video Cable Connector DB-15 Pin out	Compliant DDC 2B
Video Signals	1. Video RGB (Analog), Separate
Video Impedance	75 Ohms (Analog)
Maximum PC Video Signal	950 mV with no damage to monitor
Maximum Mac Video Signal	1250 mV with no damage to monitor
Sync Signals	LVDS
DDC 2B	Compliant with Revision 1.3
Sync Compatibility	Separate Sync
Video Compatibility	Shall be compatible with all PC type computers, Macintosh computers, and after market video cards
Resolution Compatibility	640 x 350, 640 x 480, 720 x 400 (640 x 400), 800 x 600, 832 x 624, 1024 x 768, 1152 x 864, 1280 x 1024
Exclusions	Not compatible with interlaced video

2-3 POWER SUPPLY

Internal Power Supply	Part Number:PI-SB03/XXXXXXX
Input Voltage Range	100 to 240VAC
Input Frequency Range	50 to 60 Hertz
Short Circuit Protection	OUTPUT CAN BE SHORTED WITHOUT DAMAGE
Over Current Protection	6 A TYPICAL AT 5 VDC
Leakage Current	1.0 MA (MAX) AT 264VAC / 60HZ
Efficiency	80 % TYPICAL AT 115VAC FULL LOAD
Fuse	INTERNAL AND NOT USER REPLACEABLE
Power Dissipation	32 WATTS (TYP)
Max Input AC Current	1.2 ARMS @ 90VAC, 0.8 ARMS @180VAC
Inrush Current (Cold Start)	30 A @ 90 VAC, 60 A(MAX) @ 264 VAC
Power Supply Cold Start	SHALL START AND FUNCTION PROPERLY WHEN UNDER FULL LOAD, WITH ALL COMBINATIONS OF INPUT VOLTAGE, INPUT FREQUENCY, AND OPERATING TEMPERATURE
Power Supply Transient Immunity	SHALL BE ABLE TO WITHSTAND AN ANSI/IEEE C62.41-1980 6000V 200 AMPERE RING WAVE TRANSIENT TEST WITH NO DAMAGE
Power Supply Line Surge Immunity	Shall be able to withstand 1.5 times nominal line voltage for one cycle with no damage
Power Supply Missing Cycle Immunity	Shall be able to function properly, without reset or visible screen artifacts, when ½ cycle of AC power is randomly missing at nominal input
Power Supply Acoustics	The power supply shall not produce audible noise that would be detectable by the user. Audible shall define to be in compliance with ISO 7779 (DIN EN27779:1991) Noise measurements of machines acoustics. Power Switch noise shall not be considered
US Type Power Cable	Length = 1.8m. Connects to AC/DC Power Color = Black
Power Saving Operation(Method)	VESA DPMS Signaling
Power Consumption	On Mode <36 W (max) Saving Mode< 2W Off Mode <1 W
Recovery Time	On Mode = N/A, Active Off < 3 sec

2-4 ELECTRICAL REQUIREMENT

Horizontal / Vertical Frequency

Horizontal Frequency	30 – 82 kHz
Vertical Refresh Rate	50 – 85 Hz.
Maximum Pixel Clock	135 MHz
Sync Polarity	Independent of sync polarity.

Timing Table

Item	Timing	Analog
1	640 x 350 @ 70Hz, 31.5kHz	Yes
2	640 x 480 @ 50Hz, 24.68KHZ	Yes
3	640 x 480 @ 60Hz, 31.5kHz	Yes
4	MAC 640 x 480 @ 67Hz, 35.0kHz	Yes
5	640 x 480 @ 72Hz, 37.9kHz	Yes
6	640 x 480 @ 75Hz, 37.5kHz	Yes
7	640 x 480 @ 85Hz, 43.27kHz	Yes
8	720 x 400 @ 70Hz, 31.5kHz	Yes
9	800 x 600 @ 56Hz, 35.1kHz	Yes
10	800 x 600 @ 60Hz, 37.9kHz	Yes
11	800 x 600 @ 72Hz, 48.1kHz	Yes
12	800 x 600 @ 75Hz, 46.9kHz	Yes
13	800 x 600 @ 85Hz, 53.7kHz	Yes
14	MAC 832 x 624 @ 75Hz, 49.7kHz	Yes
15	1024 x 768 @ 60Hz, 48.4kHz	Yes
16	1024 x 768 @ 70Hz, 56.5kHz	Yes
17	1024 x 768 @ 72Hz, 58.1kHz	Yes
18	1024 x 768 @ 75Hz, 60.0kHz	Yes
19	1024 x 768 @ 85Hz, 68.67KHZ	Yes
20	1152 x 864 @ 75Hz, 67.5KHZ	Yes
21	MAC 1152x870@75HZ, 68.68KHZ	Yes
22	1280 x 960 @ 60Hz, 44.93KHZ	Yes
23	1280 x 960 @75Hz, 56.25KHZ	Yes
24	1280 x 1024 @ 60Hz, 63.98KHZ	Yes
25	1280 x 1024 @ 75Hz, 79.97KHZ	Yes

*1. Tolerance $\geq \pm 2\text{kHz}$.

*2. Any timing not in the list, it should display as normal or show on “OUT OF RANGE” OSD message without blanking.

*3. The image quality of 85Hz mode might be worse than 75Hz.

Primary Presets

1280 x 1024 @ 60Hz

User Presets

Number of User Presets (recognized timings) Available: 10 presets total in FIFO configuration

Changing Modes

- Maximum Mode Change Blank Time for image stability : 3 seconds (Max), excluding “Auto Image Adjust” time
- Under DOS mode (640 x 350, 720 x 400 & 640 x 400), it should recall factory setting when execute “Auto Adjust”
- The monitor needs to do “Auto Image Adjust” the first time a new mode is detected (See section “0-Touch™ Function Actions”)
- The monitor needs to do “Auto Adjust” the first time a new mode is detected (See section “0-Touch™ Function Actions”)

2-5 AUDIO INTERFACE (SPEAKER SPECIFICATION) (for VA703m-4 only)

Line input connection	3.5 mm stereo jack
Line input signal	1.0Vrms
Line input impedance	>10 kOhm
Maximum power output (Electric)	1 W @ < 15% DISTORTION
Signal to Noise Ratio	50 dB
Frequency response	200 Hz – 20 Khz
Distortion	<15 % THD (@1kHz)
Vibration	There should be no audible vibration with volume at 100%. (Input signal within 1.0 Vrms)
Screen image	There should be no affect on the screen image stability under any conditions
Connector PC99 requirement Audio in	Lime Green pantone # 577C
Cable type / length	3.5mm stereo cable / 1.8m length
Audio DPMS	NOTE: THERE IS NO GUARANTEE <1 W POWER CONSUMPTION IN ACTIVE OFF MODE, WHEN THE AUDIO CABLE IS CONNECTED

2-6 TFT LCD PANEL

1st Panel Source	INNOLUX MT170EN01 V.7
Type	TN, LVDS
Active Size	337.9mm (H) x 270.3mm (V)
Pixel Arrangement	RGB Vertical Stripe
Pixel Pitch	0.264 mm
Glass Treatment	Anti Glare (Hard coating 3H)
# of Backlights	4 CCFL edge-light
Backlight Life	50,000 Hours (Typ)
Luminance –Condition: CT = 6500 K Contrast = Max, Brightness = Max	280 cd/m2 (Typ after 30 minute warm up) 250 cd/m2 (Min after 30 minute warm up)
Brightness Uniformity	75 % (Min)
Contrast Ratio	600 :1 (Typ), 500 :1 (Min)
Color Depth Vertical)	16.2 million colors (6+2 bit panel)
Viewing Angle (Horizontal)	150 deg (Typ)@ CR>10 170 deg (Typ)@ CR>5
Viewing Angle (Vertical)	130 deg (Typ) @ CR>10 155deg (Typ)@ CR>5
Response Time 10%-90% @ Ta=25°C	8 ms (Tr= 2 ms, Tf = 6 ms) (Typ) 16ms (Tr= 4 ms, Tf = 12 ms) (max)
Panel Defects	Please see Panel Quality Specifications.

2nd Panel Source	SVA 170SX01 TB
Type	TN, LVDS
Active Size	337.9mm (H) x 270.3mm (V)
Pixel Arrangement	RGB Vertical Stripe
Pixel Pitch	0.264 mm
Glass Treatment	Anti Glare (Hard coating 3H)
# of Backlights	4 CCFL edge-light
Backlight Life	50,000 Hours (Typ)
Luminance –Condition: CT = 6500 K Contrast = Max, Brightness = Max	300 cd/m2 (Typ after 30 minute warm up) 240 cd/m2 (Min after 30 minute warm up)
Brightness Uniformity	1.3 (Min)
Contrast Ratio	600 :1 (Typ), 400 :1 (Min)
Color Depth Vertical)	16.2 million colors (6+2 bit panel)
Viewing Angle (Horizontal)	130 deg (Typ)@ CR>10
Viewing Angle (Vertical)	110 deg (Typ) @ CR>10
Response Time 10%-90% @ Ta=25°C	8 ms (Tr= 2 ms, Tf = 6 ms) (Typ) 20ms (Tr= 6 ms, Tf = 14 ms) (max)
Panel Defects	Please see Panel Quality Specifications.

3rd Panel Source	CMO M170E5-L09
Type	TN, LVDS
Active Size	337.9mm (H) x 270.3mm (V)
Pixel Arrangement	RGB Vertical Stripe
Pixel Pitch	0.264 mm
Glass Treatment	Anti Glare (Hard coating 3H)
# of Backlights	4 CCFL edge-light
Backlight Life	50,000 Hours (Typ) @ 6.5mA
Luminance –Condition: CT = 6500 K Contrast = Max, Brightness = Max	300 cd/m2 (Typ after 30 minute warm up) 230 cd/m2 (Min after 30 minute warm up)
Brightness Uniformity	1.7 (Max)
Contrast Ratio	500 :1 (Typ), 400 :1 (Min)
Color Depth Vertical)	16.2 million colors (6+2 bit panel)
Viewing Angle (Horizontal)	150 deg (Typ)@ CR>10
Viewing Angle (Vertical)	130 deg (Typ) @ CR>10
Response Time 10%-90% @ Ta=25°C	8 ms (Tr= 2 ms, Tf = 6 ms) (Typ) 18 ms (Tr=7 ms, Tf = 11 ms) (max)
Panel Defects	Please see Panel Quality Specifications.

2-7 IMAGE PERFORMANCE

Display Size

Horizontal Display Size, Primary Preset	Full Screen
Vertical Display Size, Primary Preset	Full Screen

Luminance

Lv (Max) –Condition: Brightness / Contrast = 100% CCT = USER COLOR (R/G/B=100%)	Lv (Max) = The Luminance requirement of section 4-6 “TFT LCD PANEL”
Lv (Def) –Condition: Brightness / Contrast = default Color Temperature = 6500K	$Lv(6500K) / Lv(Max) \times 100\% > 85\%$
Lv (sRGB/6500K) –Condition: Brightness / Contrast = Default CCT =sRGB	$Lv(sRGB) / Lv(Max) \times 100\% > 85\%$
Lv (9300K) –Condition: Brightness / Contrast = Default CCT = 9300K	$Lv(9300K) / Lv(Max) \times 100\% > 70\%$
Lv (5400K) –Condition: Brightness / Contrast = Default CCT = 5400K	$Lv(5400K) / Lv(Max) \times 100\% > 75\%$
Lv (Brightness) –Condition: Contrast = 100%	$Lv(Brightness=0\%) / Lv(Brightness=100\%) \times 100\% \leq 55\%$
Lv (Contrast) –Condition: Brightness = 100%	$Lv(Contrast=0\%) / Lv(Contrast=100\%) \times 100\% \leq 30\%$

Contrast Ratio

CR(Max) –Condition: Contrast / Brightness = 100% CCT = USER COLOR (R/G/B=100%)	Same as the Contrast Ratio in section 4-6 “TFT LCD PANEL”
CR(6500K) –Condition: Contrast / Brightness = 100% CCT = 6500K	$CR(6500K) / CR(Max) \geq 93\%$

Saturation

Contrast = Default Brightness = Default Test pattern = 64-gray	NO VISIBLE SATURATION
Contrast = 100% Brightness = 100% Test pattern = 64-gray	8~10 VISIBLE SATURATION
Contrast = 100% Brightness = 100% Input signal level = 720mV Test pattern = 64-gray	8~10 VISIBLE SATURATION

Preset Color Temperatures

sRGB	It should meet IEC 61966-2-1 (1999-10) standard.
Preset 1	CCT (typ) = 9300K ($u'_{CCT}=0.1888$; $v'_{CCT}=0.4457$) CCT (max) = 10250K, CCT (min) = 8500K $\Delta u'v' < 0.01$ (@ Full White pattern)
Preset 2 (Primary)	CCT (typ) = 6500K ($u'_{CCT}=0.1978$; $v'_{CCT}=0.4684$) CCT (max) = 6950K, CCT (min) = 6100K $\Delta u'v' < 0.01$ (@ Full White pattern)
Preset 3	CCT (typ) = 5400K ($u'_{CCT}=0.2044$; $v'_{CCT}=0.4808$) CCT (max) = 6185K, CCT (min) = 4935K $\Delta u'v' < 0.01$ (@ Full White pattern)
Preset Color Temperature	Each color preset shall be adjustable. Red, Green, and Blue shall be individually controlled.

Video Cards Compatibility

Peaking Performance: Peaking is not adjustable

Raster Artifacts

- Video Artifacts : No visible streaking, sag, or smearing artifacts when driven by the specified video cards in the primary mode and after user adjustment to best condition
- Power Supply, and Grounding Artifacts : No visible artifacts in any specified video mode within the horizontal or vertical frequency range of the monitor
- Temperature Drift : Image shall not drift or lose fine-tune adjustment

2-8 MECHANICAL

Dimension

Dimension (Desktop)	
Width	379mm
Height (Height adjust to the bottom)	400mm
Depth	210mm
Monitor Weight	3.6kg/7.9lb
*Refer to Figure 1	
Dimension (Head Only / Wall Mount)	
Width	379mm
Height	338mm
Depth	68mm
Monitor Weight	3.3kg/7.3lb
*Refer to Figure 1	

Ergonomics

Tilt Up step 1	From 0° to +20°±3°
Tilt Down	From 0° DOWN TO -5°±3°
Swivel Right	N/A
Swivel Left	N/A
Height Adjust	N/A
Pivot	N/A

Cabinet Material

Display Head Plastic Material	ABS-HB
Neck/Base Plastic Material	ABS-HB
Internal Plastic Cabinet Components	All internal plastic cabinet components shall be in compliance with the requirements of TCO03
Front Bezel Color	The reference for the bezel is the silver color (VA703m) and the midnight gray color (VA703b) chip provided by ViewSonic
Neck, Base, and Rear Cover Color	The reference for the bezel is the black color (VA703m) and the midnight gray color (VA703b) chip provided by ViewSonic. The color difference between any two cabinet components shall be less than 0.80 “Delta E”, in the 1976 CIE L*a*b Colorspace.
Rear logo color	Mold type
Cabinet Color Drift Due To UV-Light	The color drift due to UV-Light shall be less than 3.0 “Delta E” in the 1976 CIE L*a*b colorspace. Testing shall be performed according to the requirements of ASTM Test Method D4459-93.
Cabinet Texture	Mold-Tech # 11010 used on all external textured surfaces.
Samples	The supplier shall submit textured color chips, plastic material specifications, and Material Safety Data Sheets for approval.

3. FRONT PANEL CONTROLS AND INDICATORS

Short Cuts Function from the button(s)

[1]	Main Menu
[2]	Auto Image Adjust
[▼] or [▲]	To immediately activate Contrast menu. It should be change to Brightness OSD by push button [2]
[▼]+ [▲]	Recall both of Contrast and Brightness to default
[1] + [2]	Toggle 720x400 and 640x400 mode when input 720x400 or 640x400 mode
[1] + [▼] + [▲] (keep pushing 5 sec)	White Balance (Not shown on user's guide)
[1] + [▼]	Power Lock
[1] + [▲]	OSD Lock
Remark : All the short cuts function are only available while OSD off	

Front Panel Hardware Controls

Power Switch (Front Head)	Power Control, soft Power Switch.
Power LED (Front Head)	Green – On / Orange – Active Off Dark = Soft Power Switch OFF
Front Panel Controls (Head) [1] [2] [⏻][▼][▲]	[⏻] Power [1] BUTTON 1 [2] Button 2 [▲] UP ARROW BUTTON [▼] DOWN ARROW BUTTON Note: Power Button, Button 1 and Button 2 must be one-shot logic operation. (i.e. there should be no cycling)
Reaction Time	OSD must fully appear within 0.5s after pushing [1]

Main Menu Controls

Auto Image Adjust

Contrast/Brightness*¹

Audio Adjust (for VA703m-4 only)

Volume*³, Mute*³

Color Adjust

sRGB, 9300K, 6500K(default), 5400, User Color [R, G, B]

Information

H Frequency, V Frequency, Pixel Clock, Resolution, Serial Number, Model Number,

["www.ViewSonic.com"](http://www.ViewSonic.com)

Manual Image Adjust

H. Size, H/V Position, Fine Tune, Sharpness*²

Setup Menu

Language [English, French, German, Italian, Spanish, Finnish, Simplified Chinese

Traditional Chinese, Japanese], Resolution Notice, OSD Position*¹, OSD Timeout, OSD Background

Memory Recall

*¹ These functions can be recalled to default by [▼]+[▲]

*² These functions are not available under Native Resolution Mode

*³ These functions setting can be recalled to default by [▼]+[▲] under audio mode

[Remark] Please refer to the detail in the Appendix C

Function descriptions

OSD Lock short cuts function for the buttons

The OSD lock will be activated by pressing the front panel control buttons "(1), & (▲)" for 10 seconds. If the user then tries to access the OSD by pressing any of the buttons "1", "▼", "▲", "2" a message will appear on the screen for 3 seconds showing "OSD Locked". The OSD lock will be deactivated by pressing the front panel control buttons "(1), & (▲)" again for 10 seconds.

Note1: When the OSD is locked will lock all functions, including "Volume" and "Mute"

Note 2: Status bar indicating OSD Lock or Unlock is in progress and when complete it will indicate "OSD Locked"

Note 3: OSD Lock should not lock Power Button and Power Lock function

Power Lock short cuts function for the buttons

The power button lock will be activated by pressing the front panel control buttons "(1), & (▼)" for 10 seconds. Locking the power button means that the user won't be able to turn off the LCD while the power button is locked. If the user presses the power button while it is locked, a message will appear on the screen for 3 seconds showing "Power Button Locked". It also means that with the power button locked, the LCD would automatically turn back "On" when power is restored after a power failure. If the power button is not in the locked mode, then power should return to it's previous state when power is restored after a power failure. The power button lock will be deactivated by pressing the front panel control

buttons "(1), & (▼)" again for 10 seconds

Note 1: Status bar indicating Power Button lock or unlock is in progress and when complete it will indicate "Power Button Locked"

Note 2: Power should only be lockable in the "On State"

Memory Recall Actions

Memory Recall action on the analog and digital mode as below

1. Set the factory defaults as shown in Section 4-7
2. Clean all the mode setting buffer
3. Execute Auto Image Adjust

Note: Memory Recall should have no effect for Language, Power Lock, User Color Settings

Resolution Notice Actions

1. Resolution Notice OSD should show on screen after changing to non-native mode for 30 sec
2. The OSD should disappear after 10 sec or by pushing button [1] or [2]

Resolution Notice function should be disabled when push button [2] under Resolution Notice OSD

0-Touch™ Function Actions

1. Execute Auto Image Adjust when new mode detected, and save the settings to buffer for further use
2. It should be reset by Memory Recall function

(Should not reset by power off, power unplug and others)

OSD Auto Save

The OSD shall save new settings when it is turned off by the user or when it times out. There shall not be a separate save

Factory Defaults

Item	Defaults	Item	Defaults
Contrast	70%	Volume	50% (for VA703m-4 only)
Brightness	100%	Balance	N/A
Color Temperature	6500K	Treble	N/A
Sharpness	0%	Bass	N/A
OSD H. Position	50%	720x400/640x400	720x400
OSD V. Position	50%	640x480@60Hz 720x480@60Hz	640x480@60Hz
OSD Time Out	15 Sec	In SOG and Composite, 720x480@60Hz 640x480@60Hz	N/A
OSD Background	Enabled	In SOG and Composite, 1152x864@75Hz 1152x870@75Hz	N/A
Resolution Notice	Enabled	In SOG and Composite, 1280x768@60/75/85Hz 1024x768@60/75/85Hz	N/A

4. Circuit Description

A. AC-DC CONVERTER

The power supply with a high-integrated green-mode PWM controller provides several features to enhance the performance of power flyback converters.

U801 is a PWM controller and provides many protection functions.

U802 is a photo couple to transfer the feedback signal from the second side which U803 detected both of the output DC voltage on 5V and 24V.

Z802 detected the working voltage on U801 and Q802 would pull down the voltage on U801 pin5 to shut down U801 if feedback loop was failed.

R828 would be a dynamic load which was active while backlight was turned off and system still working on, this kept 24V output voltage under 32V to protect the panel. After system went to power saving mode, the R828 would no loaded. This was detected by Z803 active the R828 to load or not.

B. Scaling Controller

Overview

Realtek RTD2523B series products are all-in-one LCD monitor controllers support up to SXGA/XGA(optional), and integrate Realtek high performance ADC, TMDS Rx(optional), scaling engine, OSD engine, LVDS TX, RSDS TX and so on. Moreover, all products are pin compatible in low pin count package to save cost and make the design easier

General

- Embedded dual DDC support DDC1, DDC2B, DDC/CI
- Zoom scaling up and down
- Embedded Pattern Generator
- No external memory required.
- Require only one crystal to generate all timing
- Embedded reset control output
- Embedded crystal output to MICROP
- 3 channels 8 bits PWM output, and selectable PWM clock frequency.

Pin Description

(I/O Legend: A = Analog, I = Input, O = Output, P = Power, G = Ground)

■ ADC: 15 pins

Name	I/O	Pin No	Description	Note
ADC_GND	AG	27	ADC ground	
ADC_REFIO	AP	28	ADC band-gap voltage de-coupling	1.20V
ADC_VDD	AP	29	Analog power	(3.3V)
BLUE+	AI	30	Analog input from BLUE channel	
BLUE-	AI	31	Analog input ground from BLUE channel	
ADC_GND	AG	32	ADC ground	
SOG/ADC_TEST	AIO	33	SOG in/ADC test pin	
GREEN+	AI	34	Analog input from GREEN channel	
GREEN-	AI	35	Analog input ground from GREEN channel	
ADCB_VDD	AP	36	Analog power	(3.3V)
RED+	AI	37	Analog input from RED channel	
RED-	AI	38	Analog input ground from RED channel	
ADC_GND	AG	39	Analog ground	
ADC_GND	AG	40	Analog ground	
ADC_VDD	AP	41	Analog power	(3.3V)
AHS	AI	42	Analog HS input	(10), (4), (5)
AVS	AI	43	Analog VS input	(2), (4), (5)

■ PLL: 8 pins

Name	I/O	Pin No	Description	Note
XO	AI	1	Reference clock output	
XI	AO	2	Reference clock input	
DPLL_GND	AG	3	Ground for digital PLL	
DPLL_VDD	AP	4	Power for digital PLL	(3.3V)
APLL_VDD	AP	5	Power for multi-phase PLL	(3.3V)
PLL_TEST1	AIO	6	Test Pin 1 / IRQ#	
PLL_TEST2	AIO	7	Test Pin 2/Power-on-latch for crystal out Frequency	
APLL_GND	AG	8	Ground for multi-phase PLL	

■ Control Interface: 7 pins

Name	I/O	Pin No	Description	Note
SDIO [0]	IO	54	Serial control I/F data in / Parallel port data [0]	(2), (3), / 2mA
SDIO [1] / TCON [4] / BBLU [0]	IO	53	Parallel port data [1] / TCON [4] / TTL BBLU [0]	(1), (2), (3), / 2mA
SDIO [2] / TCON [3] / BBLU [1]	IO	52	Parallel port data [2] / TCON [3] / TTL BBLU [1]	(1), (2), (3), / 2mA
SDIO [3] / PWM2 / TCON [2]	IO	51	Parallel port data [1] / TCON [4] / PWM2	(1), (2), (3), / 2mA
SCLK	I	50	Serial control I/F clock	(2), (3), (5)
SCSB	I	111	Serial control I/F chip select	(2), (3), (5)
RESET	O	56	RESET output for Micron	(2), (5), (6) / 2mA

■ **Display & TCON/VIDEO-8 Port: 54 pins**

■:LVDS+RSDS+TTLO ■:RSDS+TTLO ■:RSDS+TTLIO ■:TTLO ■:TTLIO

Pin NO.	6-bits Dual RSDS	6 bits Single RSDS	8/6 bits Dual/Single LVDS	8 bits Dual/Single TTL	6 bits Dual/Single TTL	Note
51	S[3] / TCON[2] / PWM2	S[3] / TCON[2] / PWM2	S[3] / TCON[2] / PWM2	S[3] / TCON[2] / PWM2	S[3] / TCON[2] / PWM2	(1), (2), (3)/ 2mA
52	S[2] / TCON[3]	S[2] / TCON[3]	S[2] / TCON[3]	S[2] / /BBLU[1] / TCON[3]	S[2] / TCON[3]	(1), (2), (3)/ 2mA
53	S[1] / TCON[4]	S[1] / TCON[4]	S[1] / TCON[4]	S[1] /BBLU[0] / TCON[4]	S[1] / TCON[4]	(1), (2), (3)/ 2mA
55	PWM2 / COUT / TCON[13]	PWM2 / COUT / TCON[13]	PWM2 / COUT / TCON[13]	PWM2 / COUT / TCON[13]	PWM2 / COUT / TCON[13]	(1), (2), (3)/ 2mA
59	BB3P	BB3P	NC	BBLU [7]	BBLU [7]	
60	BB3N	BB3N	NC	BBLU [6]	BBLU [6]	
61	BB2P	BB2P	NC	BBLU [5]	BBLU [5]	
62	BB2N	BB2N	NC	BBLU [4]	BBLU [4]	
63	BB1P	BB1P	NC	BBLU [3]/T0	BBLU [3]	
64	BB1N	BB1N	NC	BBLU [2]/T1	BBLU [2]	
65	BCLKP	BCLKP	NC	BGRN [1]/T2	TCON [6]	
66	BCLKN	BCLKN	NC	BGRN [0]/T3	TCON [5]	
67	BG3P	BG3P	NC	BGRN [7]	BGRN [7]	
68	BG3N	BG3N	NC	BGRN [6]	BGRN [6]	
73	BG2P	BG2P	TODP	BGRN [5]/T4	BGRN [5]	
74	BG2N	BG2N	TODN	BGRN [4]/T5	BGRN [4]	
75	BG1P	BG1P	TOCLKP	BGRN [3]/T6	BGRN [3]	
76	BG1N	BG1N	TOCLKN	BGRN [2]/T7	BGRN [2]	
77	BR3P	BR3P	TOCP	BRED [7]/T8	BRED [7]	
78	BR3N	BR3N	TOCN	BRED [6]/T9	BRED [6]	
79	BR2P	BR2P	TOBP	BRED [5]/T10	BRED [5]	
80	BR2N	BR2N	TOBP	BRED [4]/T11	BRED [4]	
81	BR1P	BR1P	TOAP	BRED [3]/T12	BRED [3]	
82	BR1N	BR1N	TOAP	BRED [2]/T13	BRED [2]	
85	AB3P	NC	TEDP	ABLU [7]/T14	ABLU [7]	
86	AB3N	NC	TEDN	ABLU [6]/T15	ABLU [6]	
87	AB2P	NC	TECLKP	ABLU [5]/T16	ABLU [5]	
88	AB2N	NC	TECLKN	ABLU [4]/T17	ABLU [4]	

89	AB1P	NC	TECP	ABLU [3]/T18	ABLU [3]	
90	AB1N	NC	TECN	ABLU [2]/T19	ABLU [2]	
91	ACLKP	NC	TEBP	ABLU [1]/T20	TCON [1]	
92	ACLKN	NC	TEBN	ABLU [0]/T21	TCON [0]	
93	AG3P	NC	TEAP	AGRN [7]/T22	AGRN [7]	
94	AG3N	NC	TEAN	AGRN [6]/T23	AGRN [6]	
99	AG2P	TCON [11]	NC	AGRN [5]/T24	AGRN [5]	
100	AG2N	TCON [10]	NC	AGRN [4]/T25	AGRN [4]	
101	AG1P	TCON [9]	NC	AGRN [3]/T26	AGRN [3]	
102	AG1N	TCON [8]	NC	AGRN [2]/T27	AGRN [2]	
103	AR3P	TCON [7]	NC	ARED [7]/T28	ARED [7]	
104	AR3N	TCON [6]	NC	ARED [6]/T29	ARED [6]	
105	AR2P	TCON [5]	NC	ARED [5]/TH	ARED [5]	
106	AR2N	TCON [1]	NC	ARED [4]/TV	ARED [4]	
107	AR1P	TCON [0]	NC	ARED [3]/TE	ARED [3]	
108	AR1N	NC	NC	ARED [2]/TK	ARED [2]	
113	PWM2 / COUT / TCON[12]	PWM2 / COUT / TCON[12]	PWM2 / COUT / TCON[12]	ARED [1]	PWM2 / COUT / TCON[12]	(9)
114	TCON [11] /V[0]	V [0]	V [0]	ARED [0]	TCON [11]	(1), (7), (8)
115	TCON [10] /V[1]	V [1]	V [1]	BRED [1]	TCON [10]	(1), (7), (8)
116	TCON [9] / V[2]	V [2]	V [2]	BRED [0]	TCON [9]	(1), (7), (8)
117	TCON [8] / V[3]	V [3]	V [3]	AGRN [1]	TCON [8]	(1), (7), (8)
118	TCON [7] / V[4]	V [4]	V [4]	AGRN [0]	TCON [7]	(1), (7), (8)
119	TCON [6] / V[5]	V [5]	V [5]	DHS	DHS	(1), (7), (8)
122	TCON [5] / V[6]	V [6]	V [6]	DVS	DVS	(1), (7), (8)
123	TCON [1] / V[7]	V [7]	V [7]	DENA	DENA	(1), (7), (8)
124	TCON [0] / VCLK	VCLK	VCLK	DCLK / TCLK	DCLK / TCLK	(1), (7), (8)

■ TMDS: 18 pins

Name	I/O	Pin No	Description	Note
TMDS_TST/ PWM1	AIO	9	TMDS_TEST Pin / PWM1 / Power-on-latch for serial / parallel port	
TMDS_GND	G	10		
TMDS_VDD	P	11		(3.3V)
EXT_RES	A	12	Impedance Match Reference.	
TMDS_VDD	P	13		(3.3V)
RX2P	I	14	Differential Data Input	
RX2N	I	15	Differential Data Input	
TMDS_GND	G	16		
RX1P	I	17	Differential Data Input	
RX1N	I	18	Differential Data Input	
TMDS_VDD	P	19		(3.3V)
RX0P	I	20	Differential Data Input	
RX0N	I	21	Differential Data Input	
TMDS_GND	G	22		
RXCP	I	23	Differential Data Input	
RXCN	I	24	Differential Data Input	
TMDS_GND	G	25		
TMDS_VDD	P	26		(3.3V)

■ PWM Interface: 3-2=1 pin (PWM1, PWM2 can be selected from 1 of 3 possible pins.)

Name	I/O	Pin No	Description	Note
PWM2 / TCON [2] / S [3]	O	51	PWM2 / TCON [2] / SDIO [3]	(1), (2), (3), (5), (8),
PWM2 / TCON [13] / COUT	O	55	PWM2 / TCON [13] / Crystal out	(2), (8), (9)
PWM2 / TCON [12] / COUT	O	113	PWM2 / TCON [12] / Crystal out	(2), (8), (9)
PWM1 / TMDS_TST	AIO	9	PWM1/ TMDS_TEST Pin / Power-on-latch for serial / parallel port	(2), (7), (8)
PWM1 / DDCSDA / TCON [1] / BBLU [0]	IO	47	PWM1 / DDC serial control I/F data input / output / TCON [4]	(1), (2), (3), (5), (8),
PWM1 / DDCSDA2 (HDCP) / TCON [7]	IO	125	PWM1 / DDC serial control I/F data input / output / TCON [7]	(1), (2), (3), (5), (8),
PWM0 / REFCLK	IO	112	PWM0 / (In / out) test pin for DCLK / Video8 even-odd signal	(2), (9)

■ DDC Channel: 4 pins

Name	I/O	Pin No	Description	Note
DDCSCL / TCON [0] / BBLU [1]	I	46	DDC serial control I/F clock / TCON [0] / TTL BBLU [1]	(2), (3), (5)
DDCSDA / TCON [1] / PWM1 / BBLU [0]	IO	47	DDC serial control I/F data input / output / TCON [1] / PWM1 / TTL BBLU [0]	(1), (2), (3), (5), (6), (8)/ 8mA /no slew
DDCSCL2 (HDCP) / TCON [5]	I	126	DDC serial control I/F clock / TCON [5]	(2), (3), (5)
DDCSDA2 (HDCP) / TCON [7] / PWM1	IO	125	DDC serial control I/F data input / output / TCON [7] / PWM1	(1), (2), (3), (5), (6), (8)/ 8mA /no slew

■ Power & Ground: 22 pins

Name	I/O	Pin No	Description
3.3V Power	P	49,121	VCCIO: 2
3.3V Ground	G	48,120	GNDIO: 2
3.3V Power	P	58,71,83,95,110	PVCC: 5
3.3V Ground	G	57,72,84,96,109	PGND: 5
2.5V Power	P	45,69,98,127	VCCK: 4
2.5V Ground	G	44,70,97,128	GNDIK: 4

Note: (1) TTL compatible CMOS Input ($V_t=1.7V$); $V_{CC}=3.3V$;

(2) 5V tolerance pad;

(3) Internal 75K Ohms pull high resistor.

(4) Internal 75K Ohms pull low resistor.

(5) Schmitt trigger CMOS Input ($V_t=1.4\sim 2.2V$);

(6) Open-Drain, Output Drive low & Pull-high.

(7) Bi-directional input/output

(8) Programmable driving current (2~10mA)

(9) TTL output 5V & 3.3V

(10) 4V tolerance pad

C, MTV512M

The MTV512M micro-controller is an 8051 CPU core embedded device especially tailored for flat panel display applications. It includes an 8051 CPU core, 768-byte SRAM, 4 channels of 6-bit ADC, 3 external counters/timers, 6 channels of PWM DAC, VESA DDC interface, and a 64K-byte internal program Flash-ROM memory in 44-pin PLCC package

FEATURES

- 8051 core, 12MHz operating frequency with single/double CPU clock option
- 0.35um process; 3.3V power supply
- 768-byte RAM; 64K-byte program Flash memory
- Maximum 6 channels of PWM DAC
- Compliant with VESA DDC1/2B/2Bi/2B+ standard
- Dual slave IIC addresses; two H/W auto transfer DDC1/DDC2x data for both D-sub and DVI interfaces
- Watchdog timer with programmable interval
- Support external counters/timers, 1 & 2
- Single/double frequency clock output
- Two external interrupts, INT1 is shared with Slave IIC interrupt source.
- Maximum 4 channels of 6-bit ADC
- Flash-ROM code protection selection
- 44-pin PLCC package

D. INVERTER

In order to drive the CCFLs embedded in the panel module, there is a push-pull inverter to convert by the controller. from input 24V up to hundreds of AC voltage output peak to peak.

The inverter is formed by symmetric in order to drive the separate lamp modules.

The input stage consists of a PWM controller, push-pull inverter, and switching MOSFET to convert DC input into AC output. The output stage consists of a tuning capacitor, transformer, and push-pull MOSFET pair to boost AC output up to hundreds of voltage peak to peak.

And one resistor is serial to lamp for output voltage feedback.

There are two signals which control the inverter come from system to turn on the inverter and control brightness. Logic “low” level which send to U901 is turn on the inverter.

BL-ADJ signal control brightness by DC level which was integral from PWM signal.

5. Adjustment Procedure

1. Function test

1.1 products

17" LCD Monitor

1.2 test equipment

Color video Signal& pattern (Or PC with SXGA resolution and a sound card)

1.3 Test Condition

Before function test and alignment ,each LCD Monitor should be warmed up at least 30 minutes with the following conditions:

A: in room temperature

B with full white screen ,RGB ,and black

C. with cycled display model:

1280 x 1024 @ 60Hz

1.4 Test display& Pattern

1.4.1 Compatible model

Item	Timing	Analog
1	640 x 350 @ 70Hz, 31.5kHz	Yes
2	640 x 480 @ 50Hz, 24.68KHZ	Yes
3	640 x 480 @ 60Hz, 31.5kHz	Yes
4	MAC 640 x 480 @ 67Hz, 35.0kHz	Yes
5	640 x 480 @ 72Hz, 37.9kHz	Yes
6	640 x 480 @ 75Hz, 37.5kHz	Yes
7	640 x 480 @ 85Hz, 43.27kHz	Yes
8	720 x 400 @ 70Hz, 31.5kHz	Yes
9	800 x 600 @ 56Hz, 35.1kHz	Yes
10	800 x 600 @ 60Hz, 37.9kHz	Yes
11	800 x 600 @ 72Hz, 48.1kHz	Yes
12	800 x 600 @ 75Hz, 46.9kHz	Yes
13	800 x 600 @ 85Hz, 53.7kHz	Yes
14	MAC 832 x 624 @ 75Hz, 49.7kHz	Yes
15	1024 x 768 @ 60Hz, 48.4kHz	Yes
16	1024 x 768 @ 70Hz, 56.5kHz	Yes
17	1024 x 768 @ 72Hz, 58.1kHz	Yes
18	1024 x 768 @ 75Hz, 60.0kHz	Yes
19	1024 x 768 @ 85Hz, 68.67KHZ	Yes
20	1152 x 864 @ 75Hz, 67.5KHZ	Yes
21	MAC 1152x870@75HZ, 68.68KHZ	Yes
22	1280 x 960 @ 60Hz, 44.93KHZ	Yes
23	1280 x 960 @75Hz, 56.25KHZ	Yes
24	1280 x 1024 @ 60Hz, 63.98KHZ	Yes
25	1280 x 1024 @ 75Hz, 79.97KHZ	Yes

*1. Tolerance $\geq \pm 2\text{kHz}$.

*2. Any timing not in the list, it should display as normal or show on "OUT OF RANGE" OSD message without blanking.

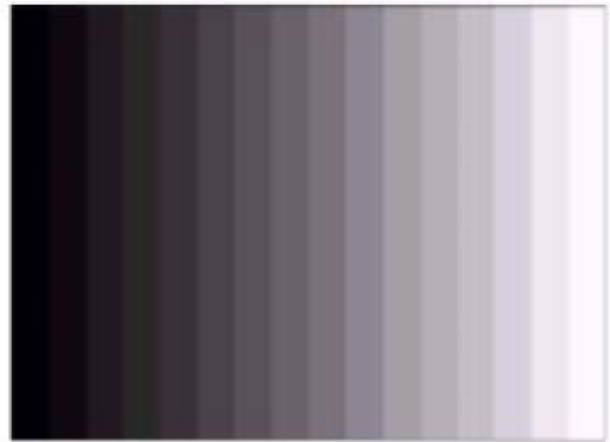
*3. The image quality of 85Hz mode might be worse than 75Hz.

1.4.2 Function Test Display Pattern

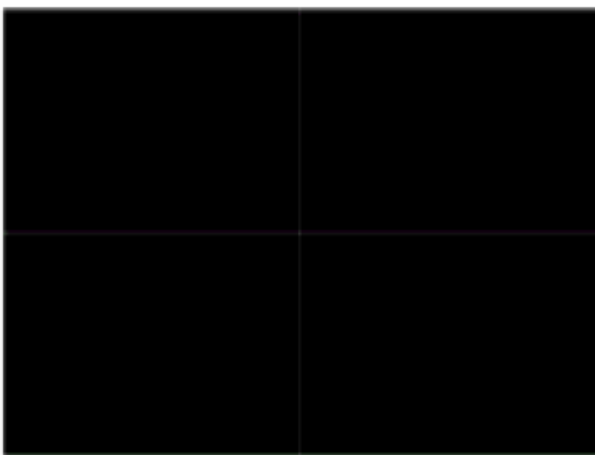
Item	Test Content	Pattern	Specification	Remark
1	Frequency & Tracking	Fine Line Moire	Eliminate visual wavy noise.	Figure 1
2	Contrast/Brightness	16 Gray Scale	16 gray levels should be distinguishable.	Figure 2
3	Boundary	Horizontal & Vertical Thickness	Horizontal and Vertical position of video should be adjustable to be within the screen frame.	Figure 3
4	RGB Color Performance	RGB Color Intensities	Contrast of each R, G, B, color should be normal.	Figure 4, 5, 6
5	Screen Uniformity & Flicker	Full White	Should be compliant with the spec.	Figure 7
6	Dead Pixel/Line	White Screen & Dark Screen	The numbers of dead pixels should be compliant with the spec.	Figure 7, 8
7	White Balance	White & Black Pattern	The screen must have the pure white and black pattern, no other color.	Figure 9



Fine Line Moire Pattern (Figure1)



Gray Scale Pattern (Figure2)



Horizontal & Vertical Thickness Pattern (Figure 3)



R. Color Pattern (Figure 4)

1.5 Function Test and Alignment Procedure

1.5.1 All Modes Reset

You should do “All Mode Reset” (Refer to Chapter III-3. Hot Keys for Function Controls) first. This action will allow you to erase all end-user’s settings and restore the factory defaults.

1.5.2 Auto Image Adjust

Please select and enter “*Auto Image Adjust*” function on Main Menu to see if it is workable. The “*Auto Image Adjust*” function is aimed to offer a better screen quality by built-in ASIC. For optimum screen quality, the user has to adjust each function manually.

1.5.3 Firmware

Test Pattern: Burn In Mode (Refer to Chapter III-3. Hot Keys for Function Controls)

- Make sure the F/W is the latest version.

1.5.4 DDC

Test Pattern: EDID program

- Make sure it can pass test program.

1.5.5 Fine Tune and Sharpness

Test Signal: 1280*1024@60Hz

Test Pattern: Line Moire Pattern

- Check and see if the image has noise and focus performs well. Eliminate visual line bar.
- If not, readjust by the following steps:
 - (a) Select and enter “**Fine Tune**” function on “**Manual Image Adjust**” to adjust the image to eliminate visual wavy noise.
 - (b) Then, select and enter “**Sharpness**” function to adjust the clarity and focus of the screen image.

1.5.6 Boundary

Test Signal: 1280*1024@60Hz

Test Pattern: Horizontal & Vertical Line Thickness Pattern

- Check and see if the image boundary is within the screen frame.
- If not, readjust by the following steps:
 - (a) Select and enter “**Manual Image Adjust**” function on OSD Main Menu.
 - (b) Then, select and enter “**Horizontal Size**” or “**Horizontal/Vertical Position**” function to adjust the video boundary to be full scanned and within screen frame.

1.5.7 White Balance

Test Signal: 640*480@60Hz

Test Pattern: White and Black Pattern

Firmware Update Procedure

1. The monitor's firmware update for VA703m/b 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. VA703m/b monitor upgrade firmware by ISP Cord.

2.1. Equipment Needed

- 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 Windows XP
- VA703m/b monitor (no firmware)
- a additional monitor for system display
- ISP & ISP3.0program

NOTE:

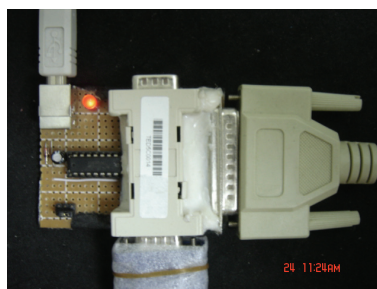
The fixtures for firmware upgrade provide two different methods to fire. Please check you monitor's Main board, refer to MCU-RSIC type and choose the method.

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



TEST PC



Fixture ISP_CORD



Fixture POWER_ADAPTER



LPT Cable



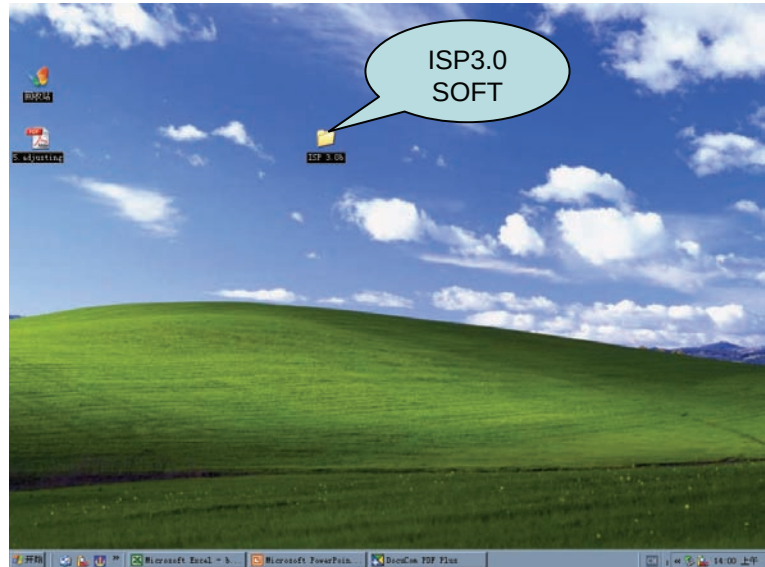
AC power Cable



VGA Cable

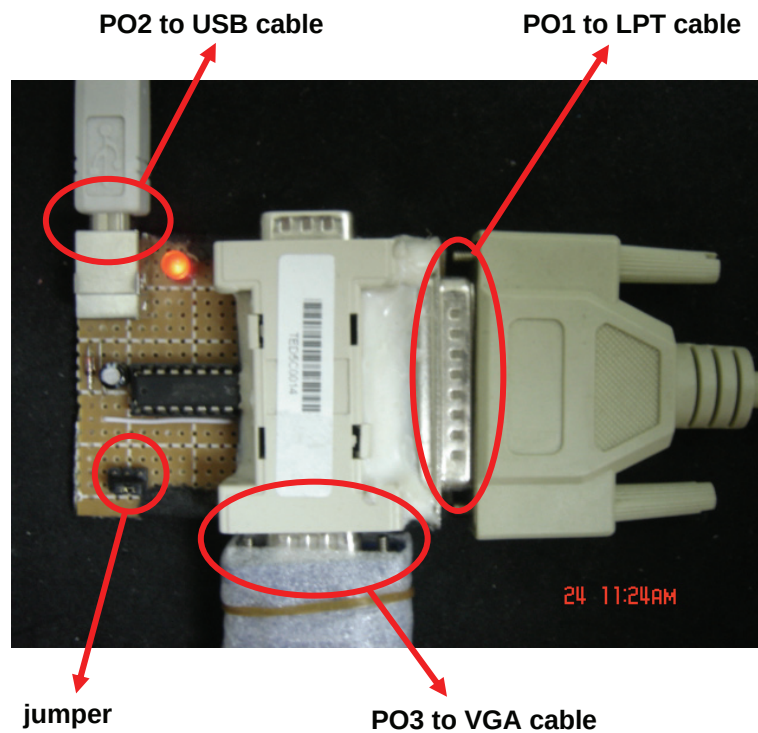


USB FOR PRINT



2.2. Setup Procedure

- 2.2.1 Connect PO1 of ISP fixture with print port of computer by LPT cable
- 2.2.2 Connect PO2 of ISP fixture with USB port of computer by USB cable
- 2.2.3 Connect PO3 of ISP fixture with monitor VGA port by VGA cable
- 2.2.4 Connect mouse, keyboard, AC power, monitor with computer
- 2.2.5 Plug AC cable in power adapter AC jack
- 2.2.6 Connect power adapter DC_OUTPUT port to main board DC_IN port
- 2.2.7 Connect PO3 of ISP fixture with VGA port of monitor's main board by VGA cable

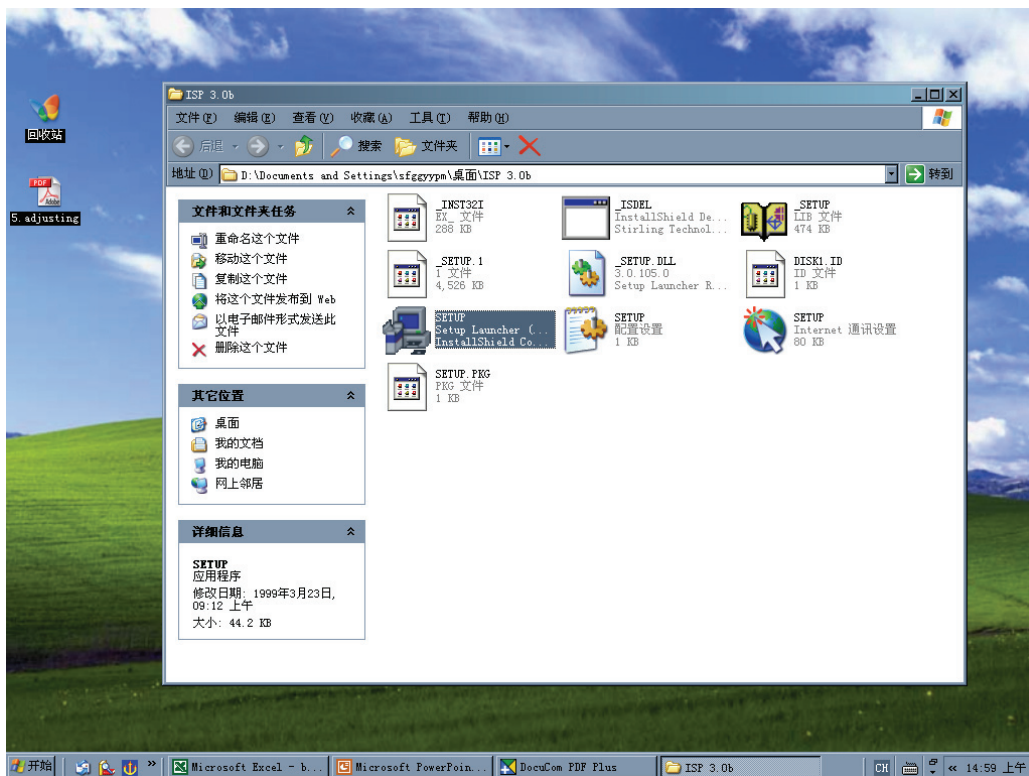


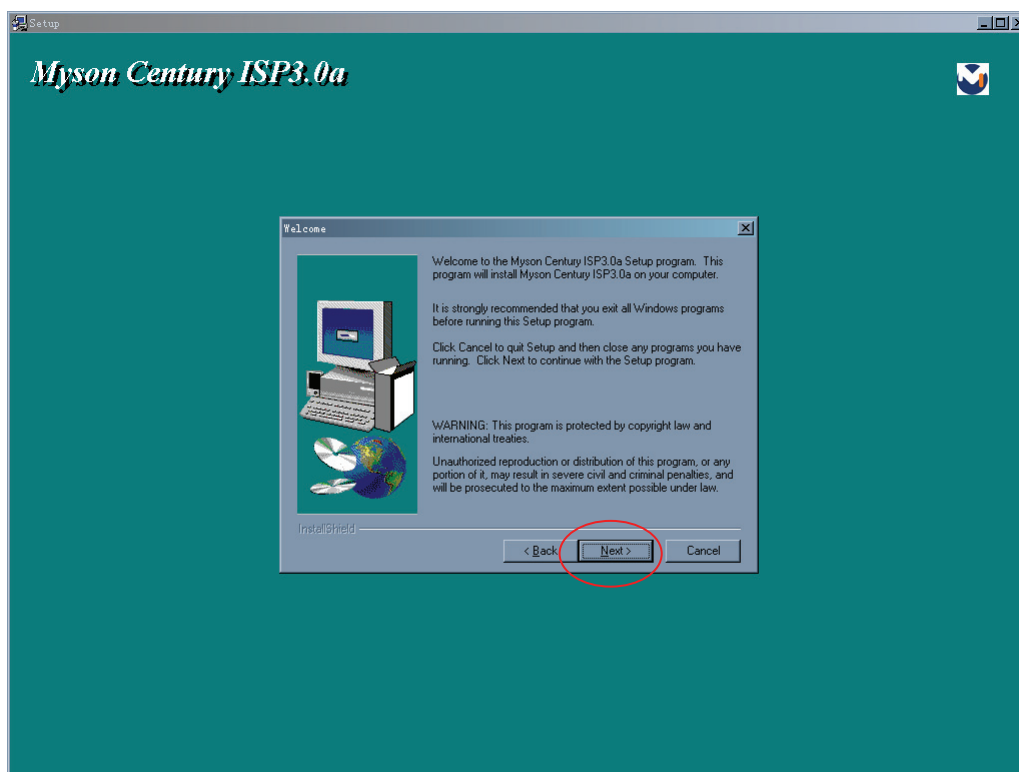
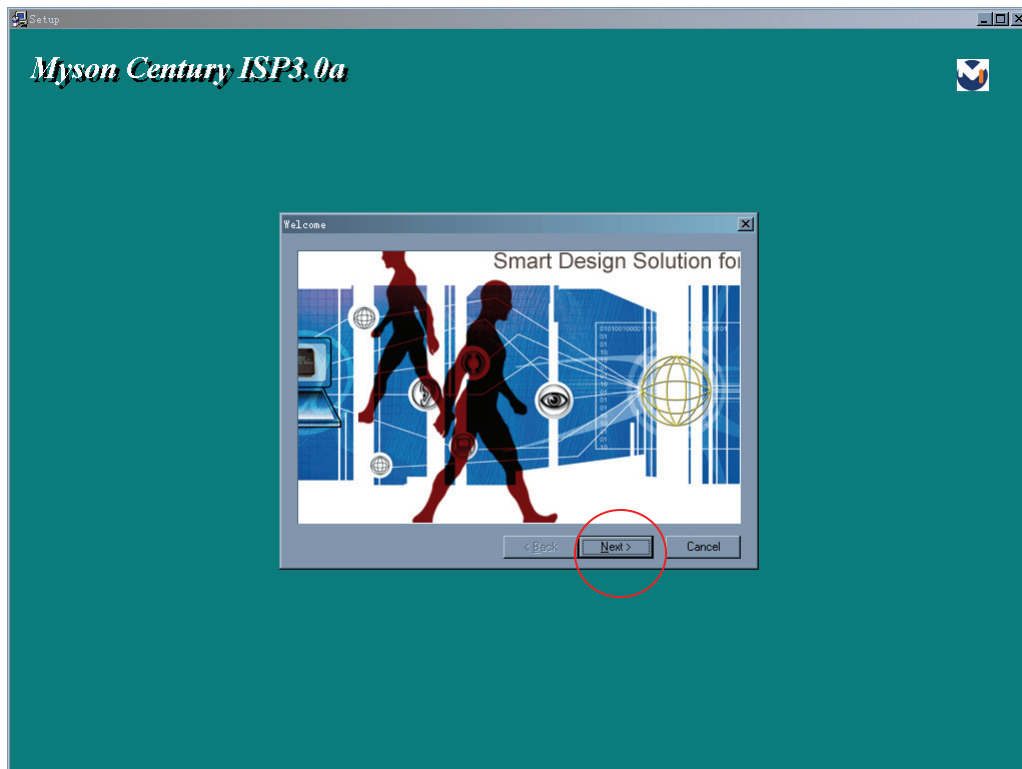
NOTE:

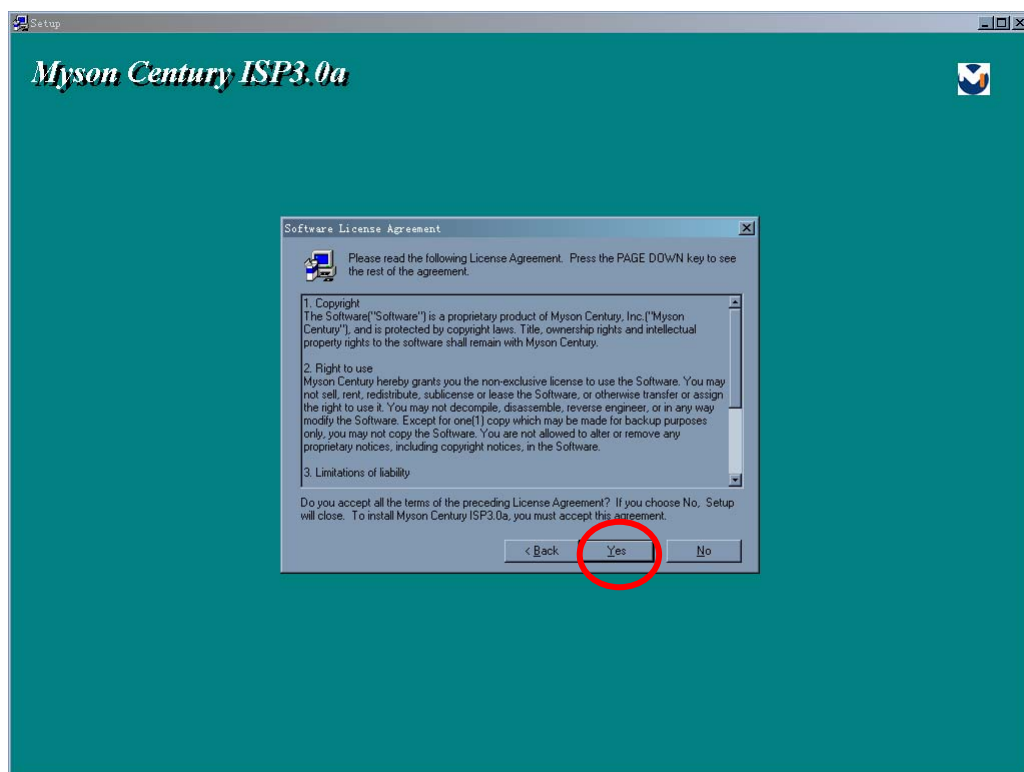
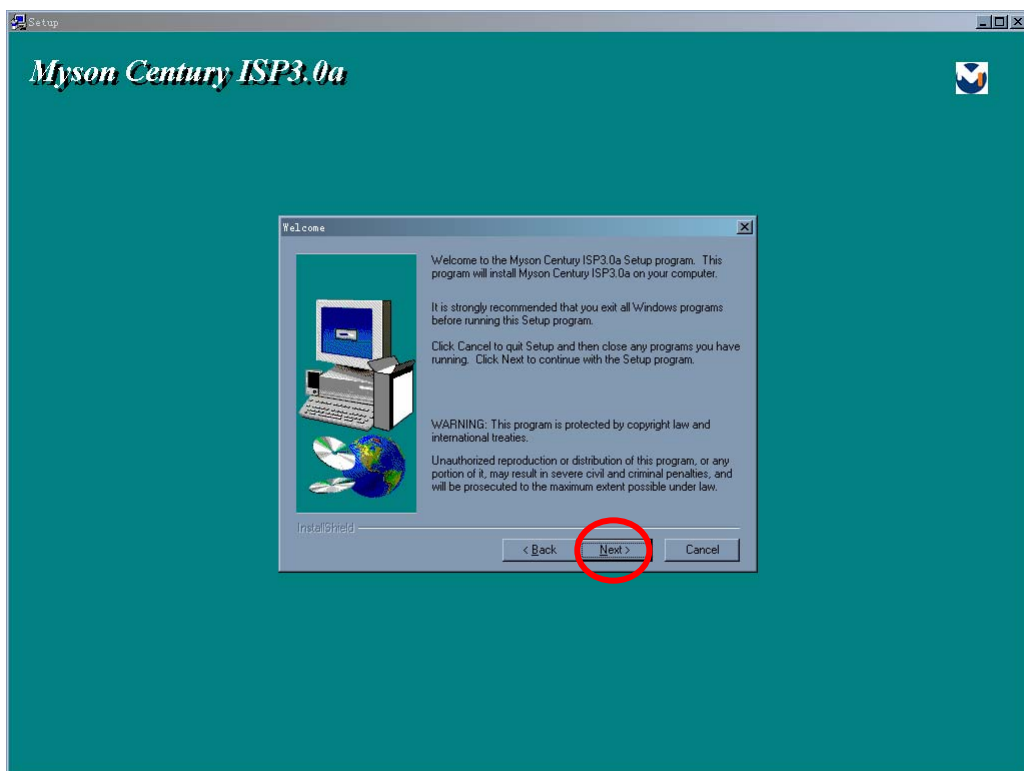
Do STEP2.2.6 and STEP2.2.7 for monitor's main board only. Monitor firmware upgrade will jump this step.

2.3. Soft install

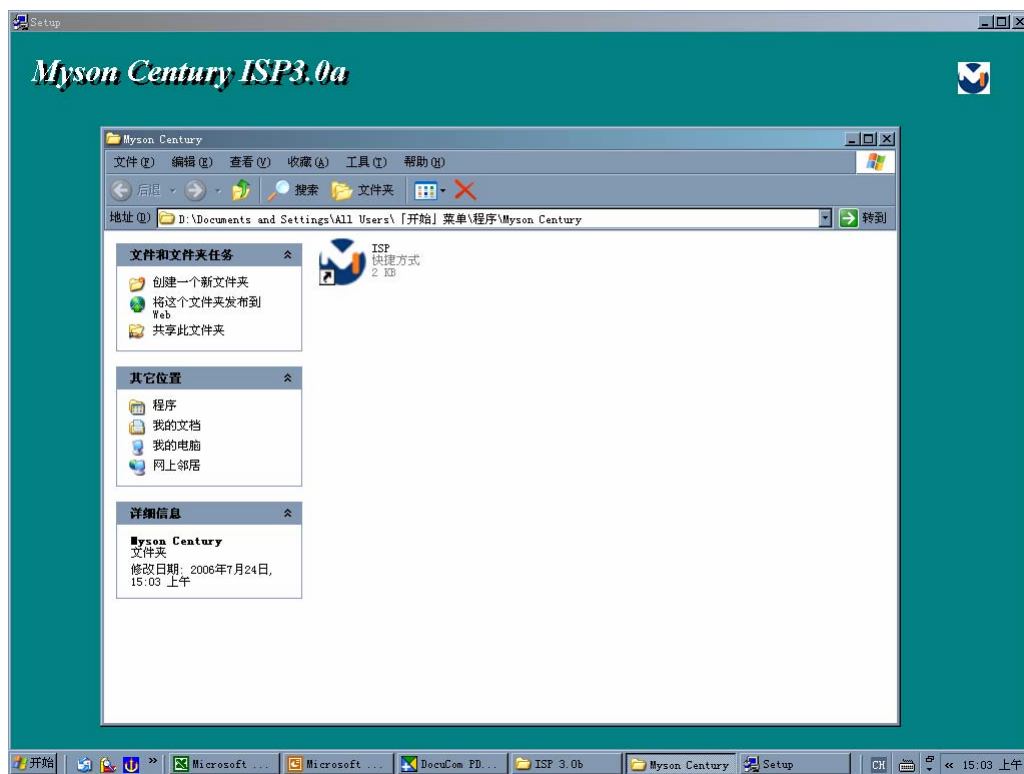
Install ISP3.0 program by selecting and clicking “...\isp3.0\setup.exe”, press “YES” or “NEXT” buttons until setup is complete.



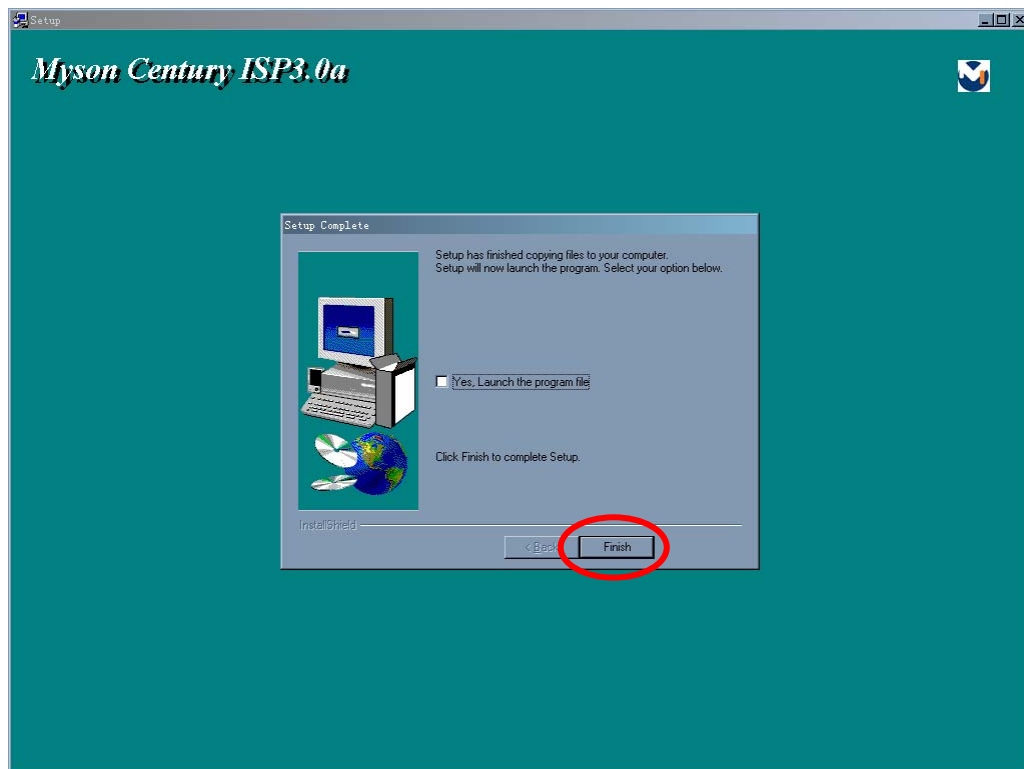




Installation will create a icon for ISP application in “START MENU”\PROGRAM



Press “finish” button exit setup

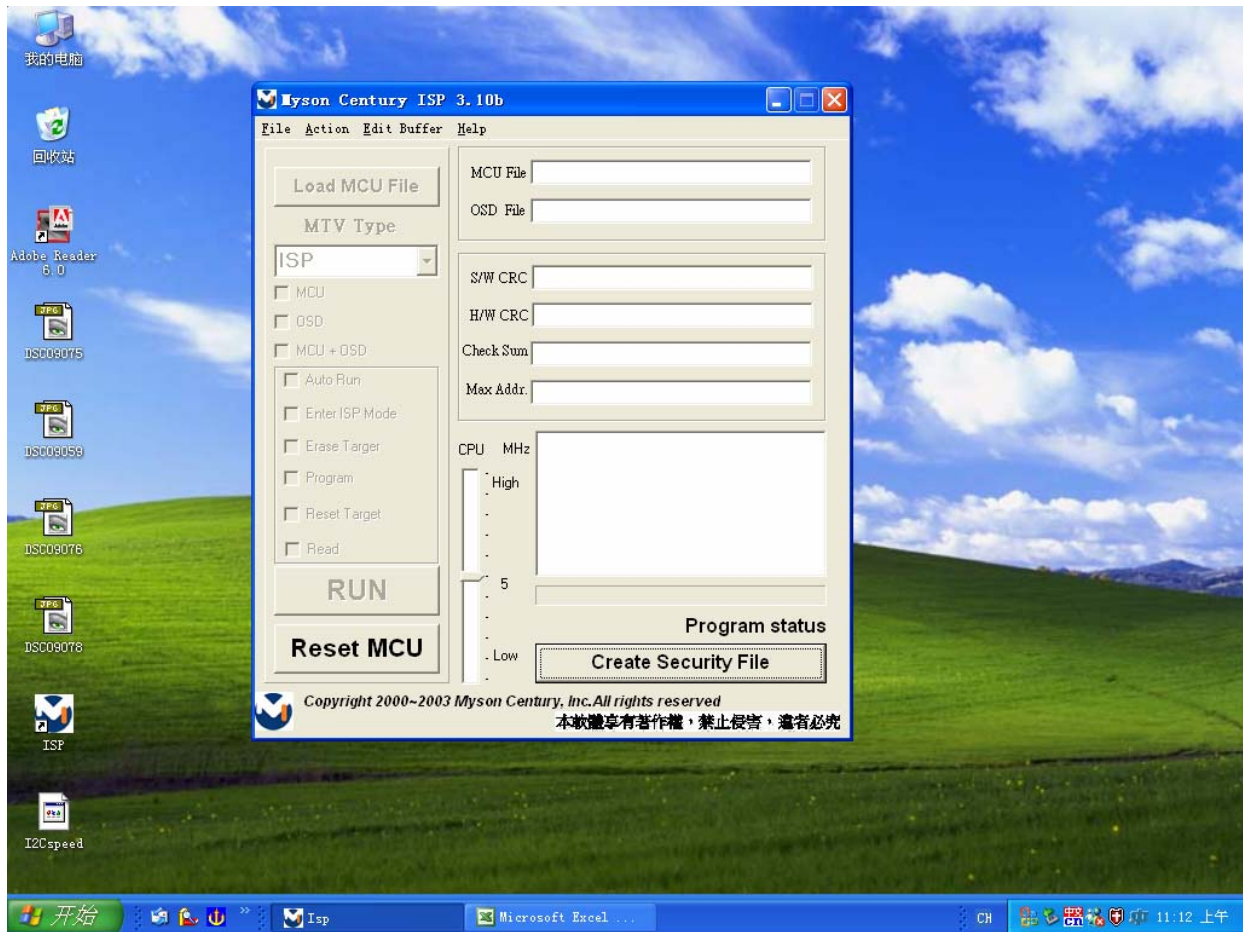


Firmware and EDID upgrade/update Methods



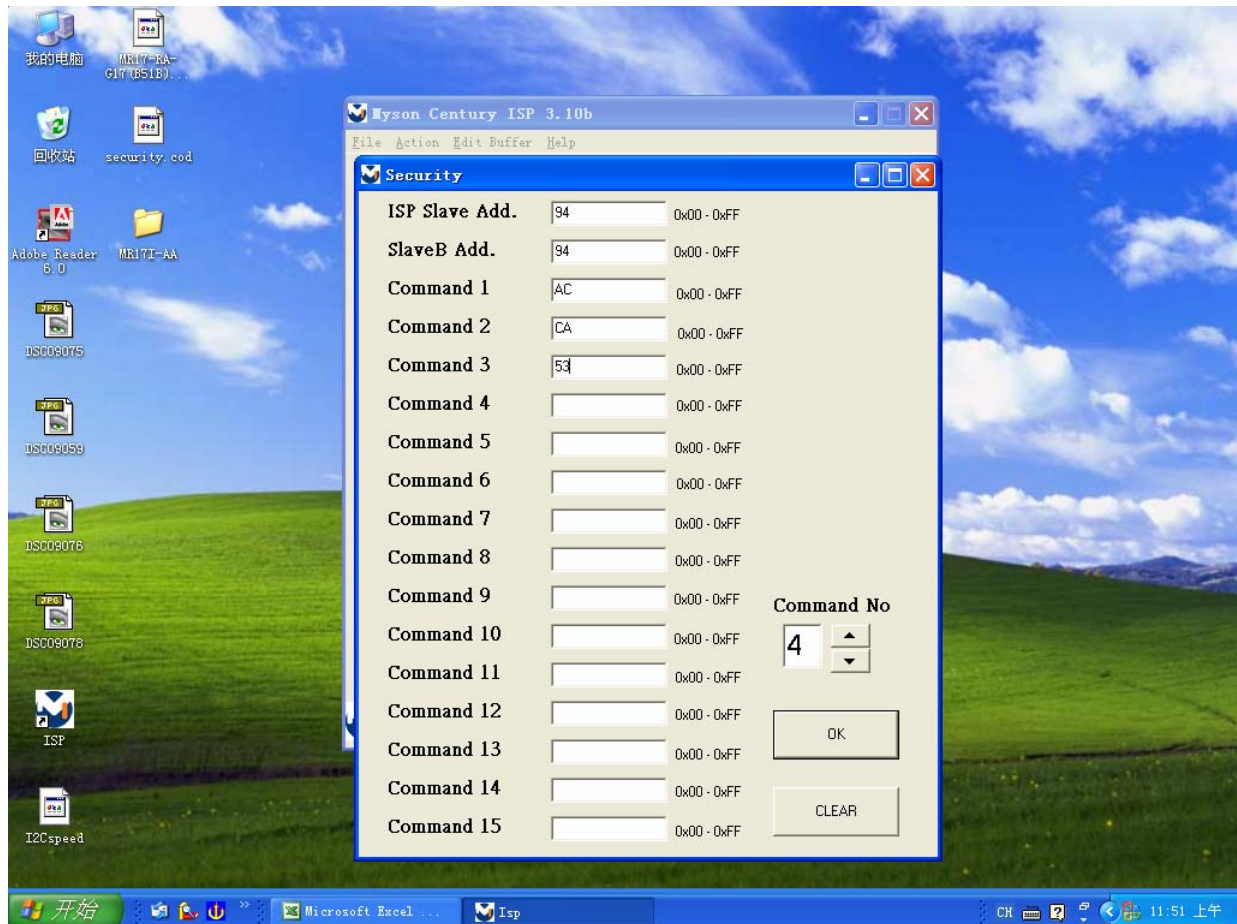
STEP1: Choose the DCC written Program

set up the DCC written fixture ,check whether the connection between main board is in well condition ,see attached file 1.1&1.2 per the product model ,choose the corresponding Model, DCC written process, the model mr171-AAA should apply the SIP Program

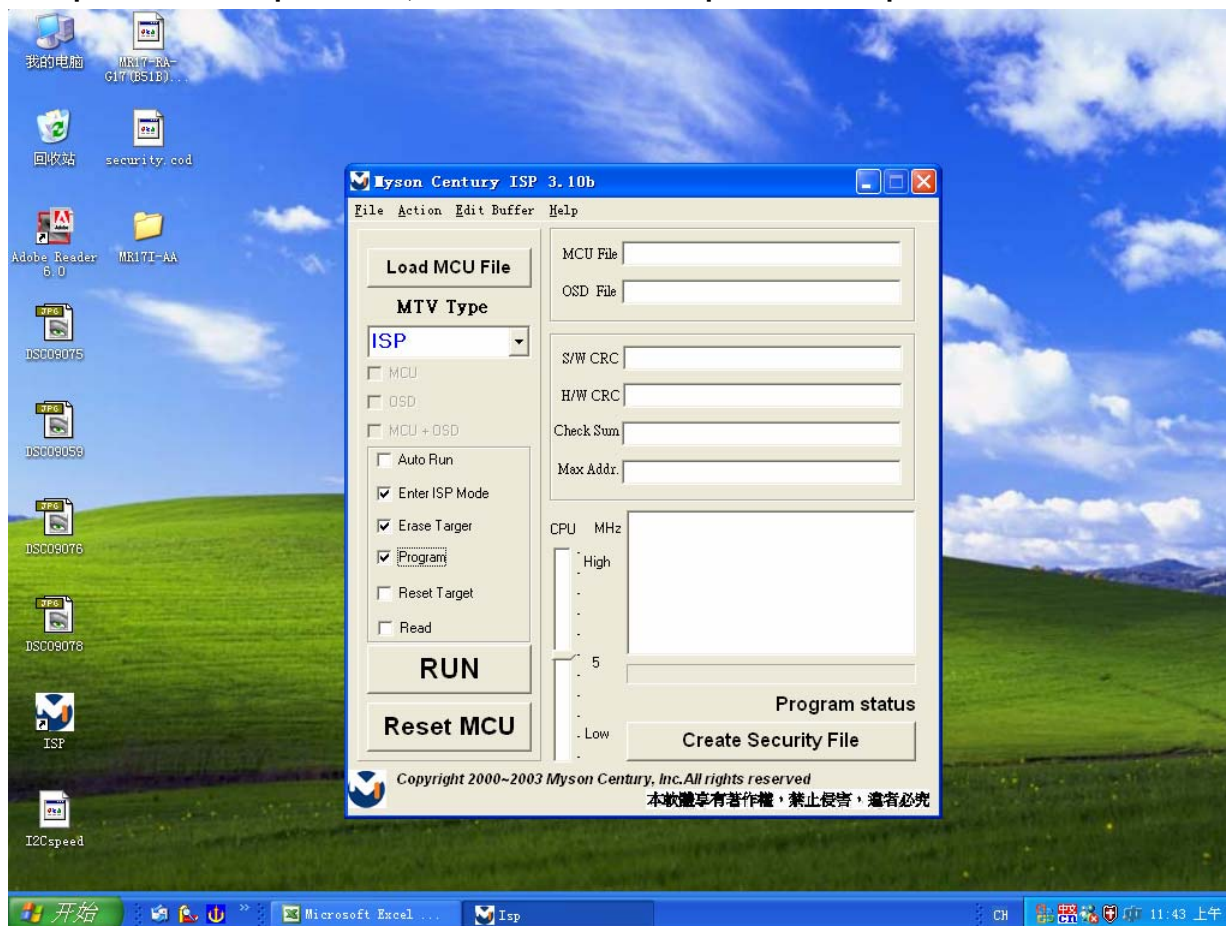


STEP2: Creat security file

Choose the Tab "create Security File " to enter next Dialogue Item

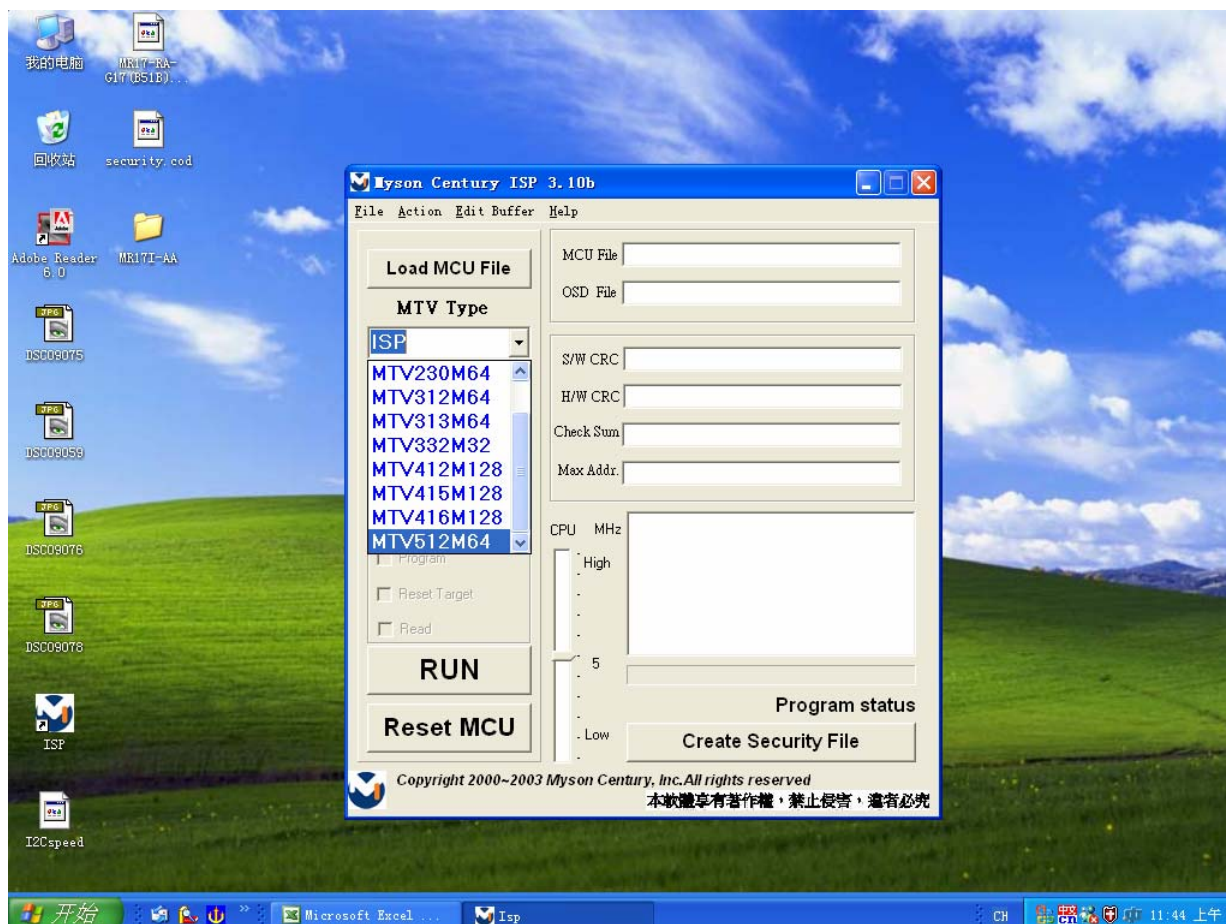


STEP3: Input the related parameter, save them and take up the next step



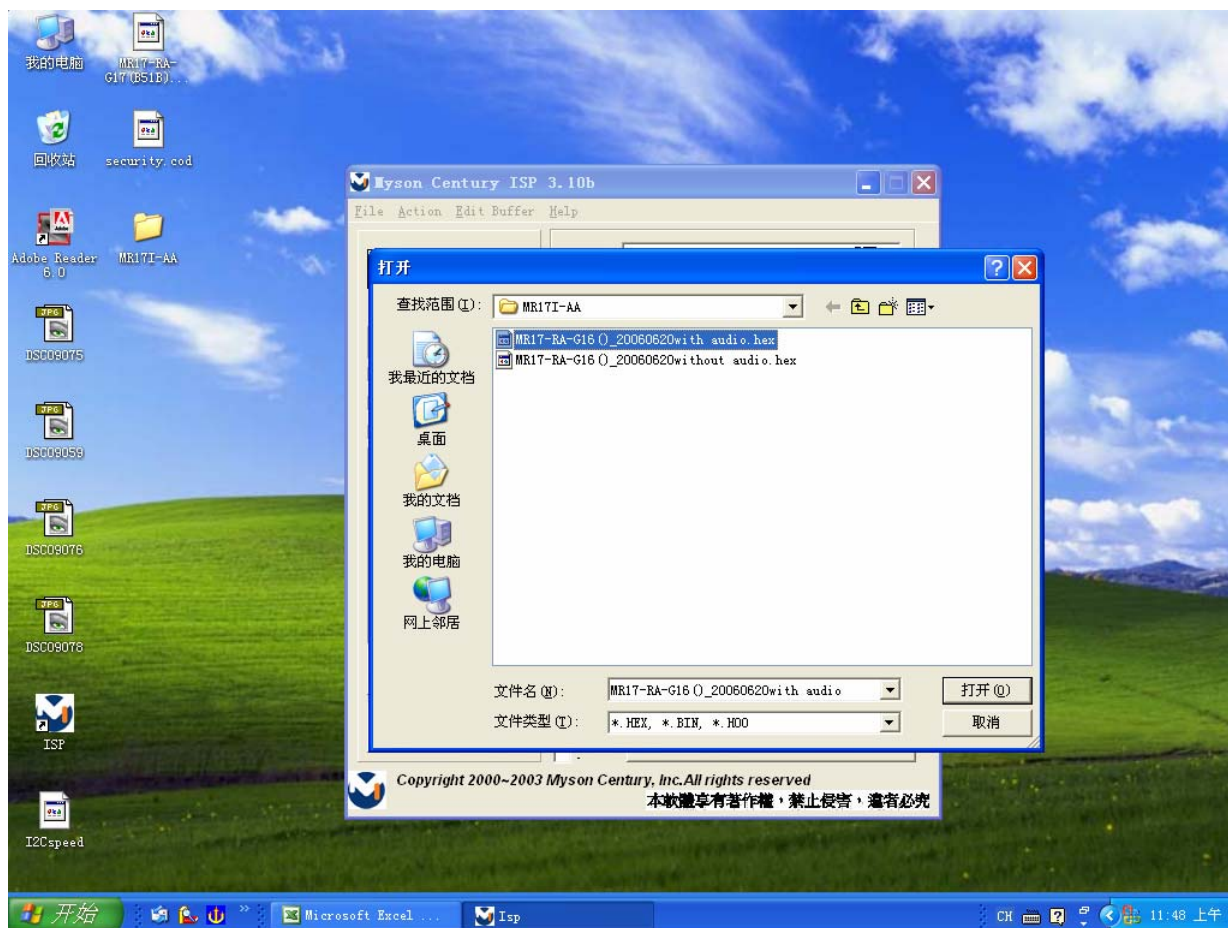
STEP4: Choose the Tab MTV TYPE

Choose the MTV512M64 from the TAB ISP ITEMS



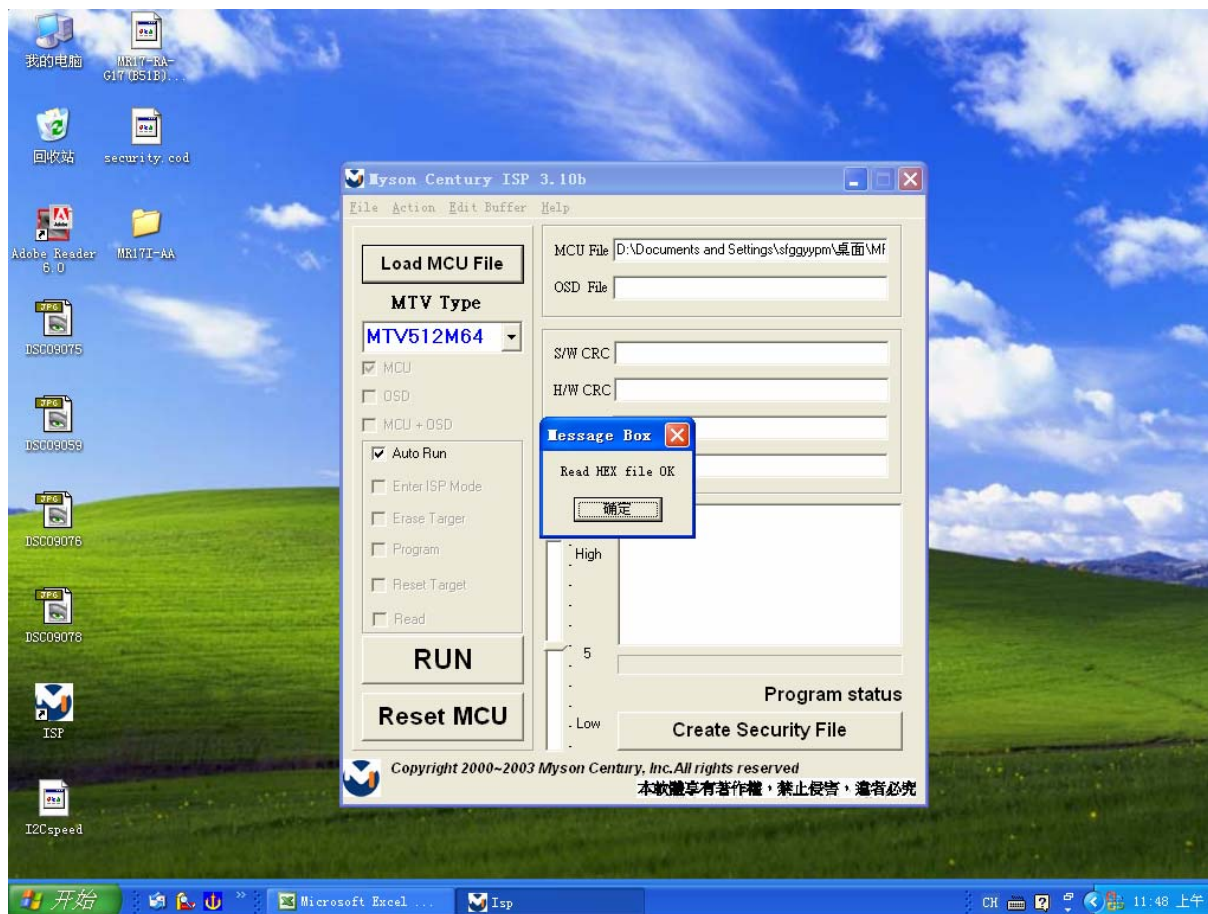
DCC Written model Diagram Table as below

STEP5: DCC WRITTEN methods

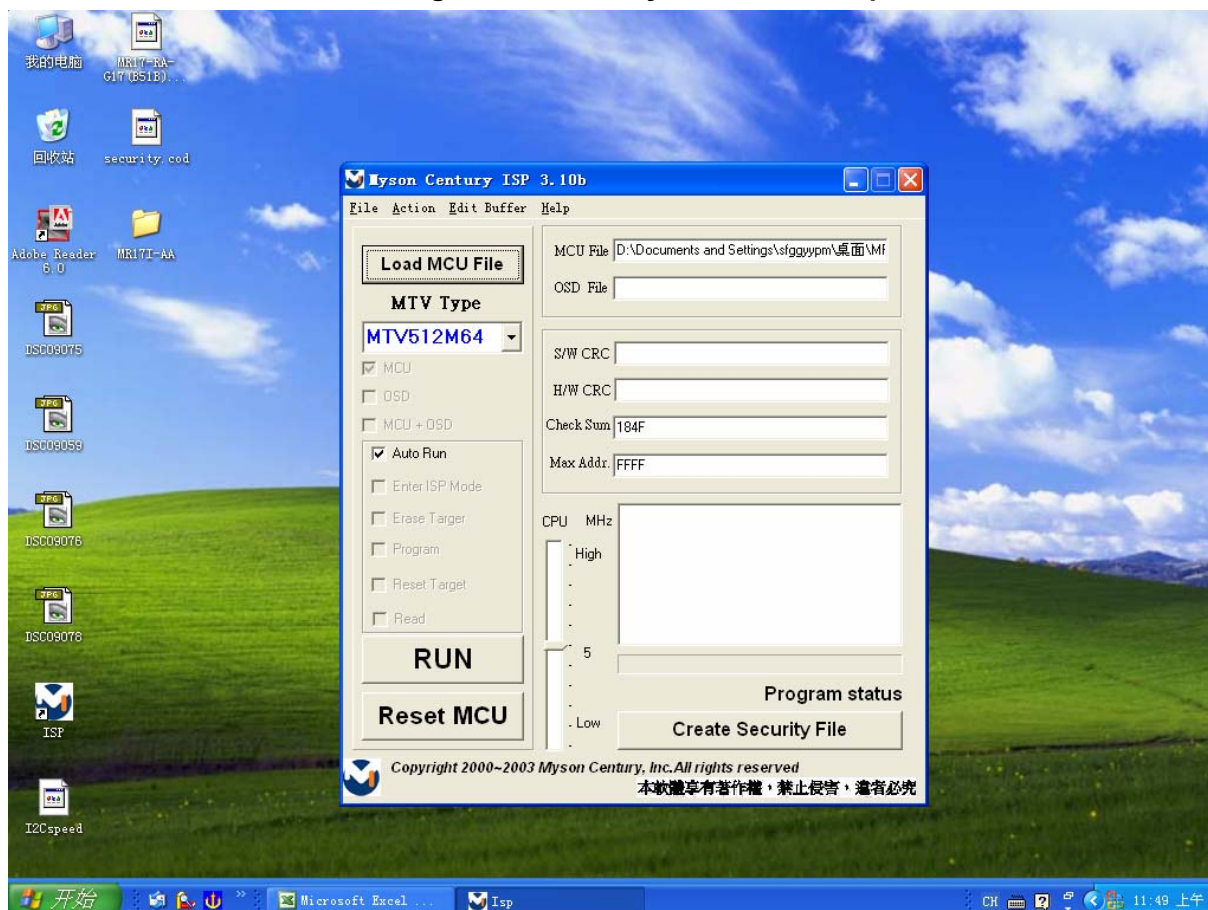


SETP6: Choose the DDC Written BIOS document

Choose the Tab **LOAD MCU FILE** , Looking up the related BIOS document in my Computer ,and Point the confirm Tab

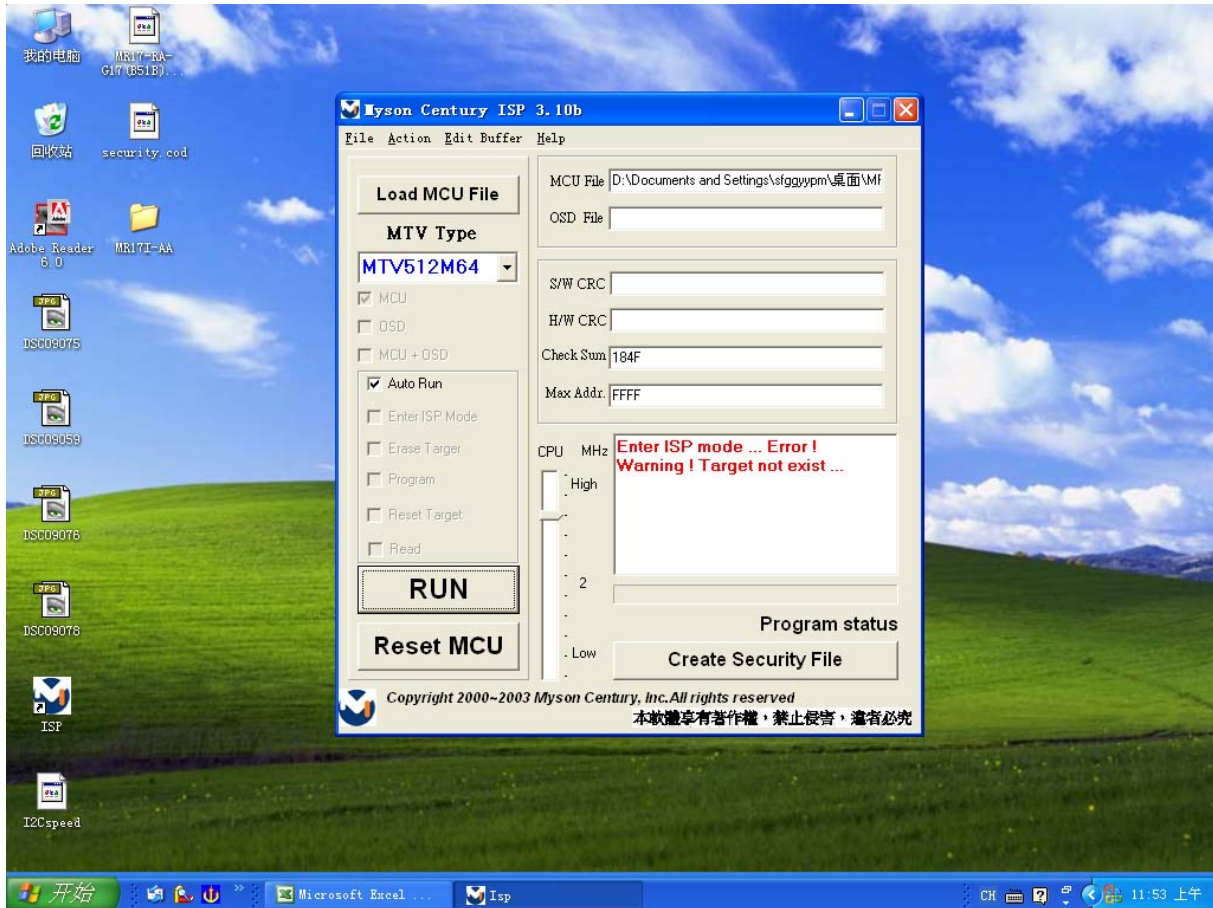


when the BIOS Documents' loading is successful ,you can find the picture as above

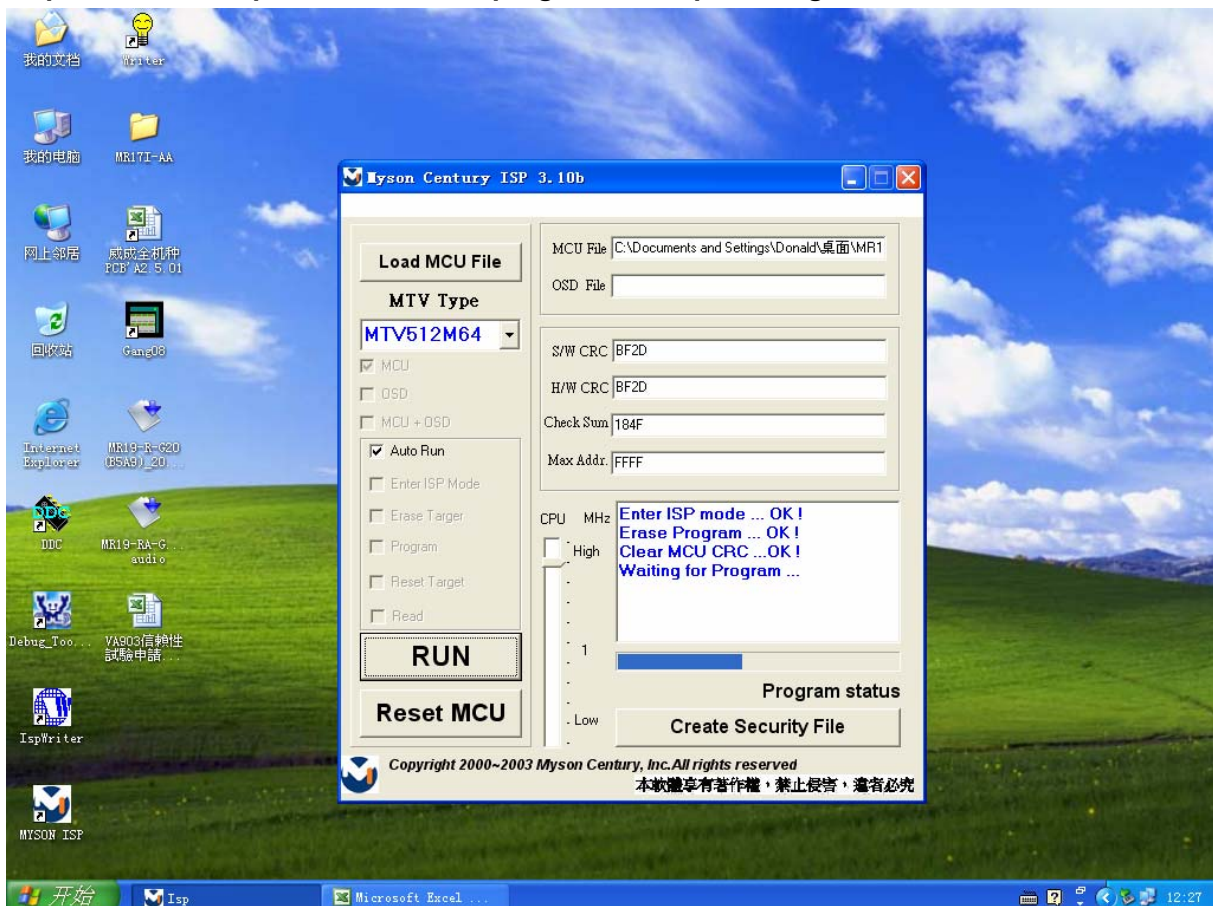


Step 7. Confirm the BIOS'S check sum

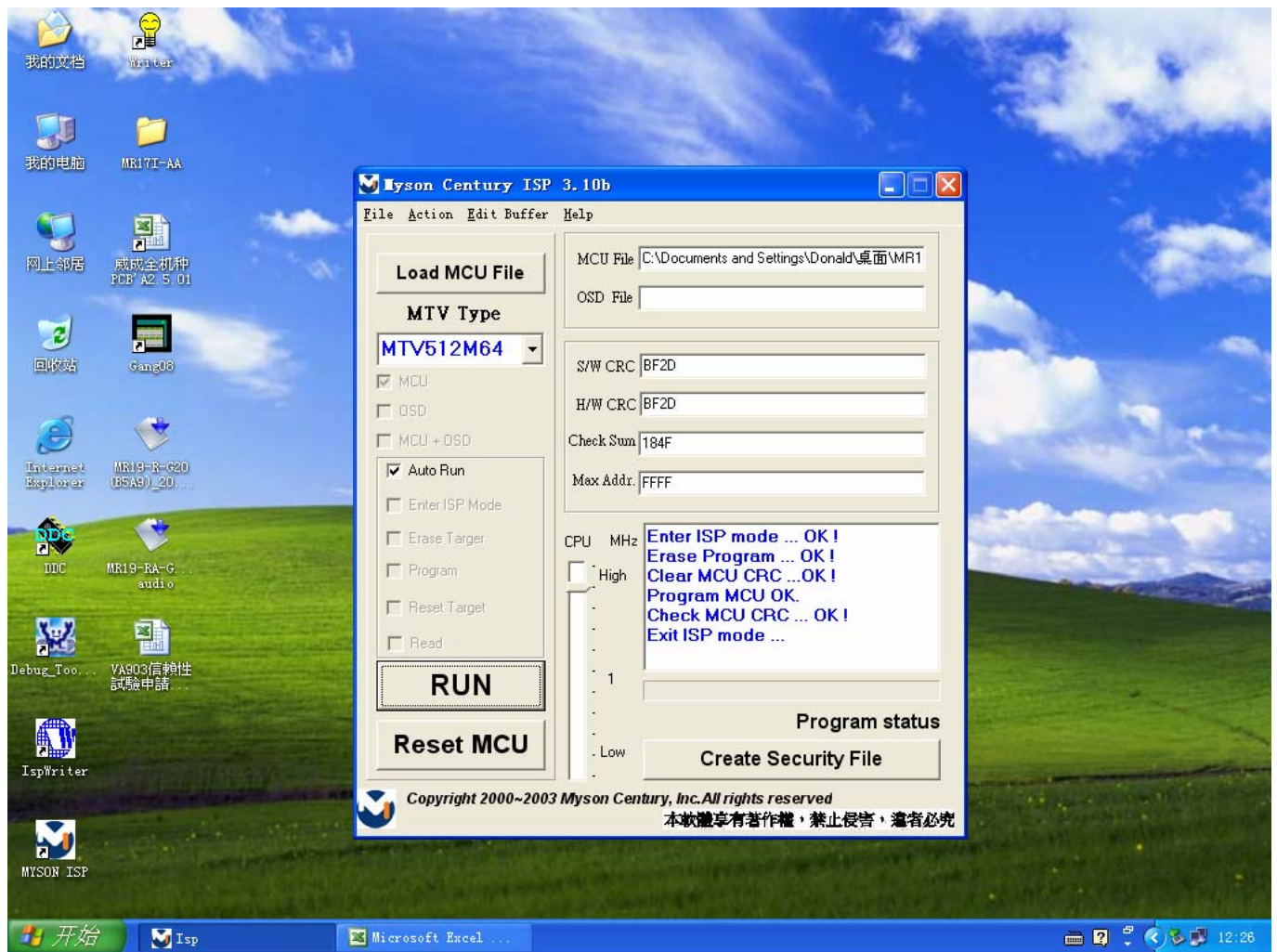
In the above attached Display picture ,you should check whether the check sum's Data comply to the bios' DCC written, if there is no problem ,pls press the run menu to write



If showed the picture as above pls check whether the DDC write fixture is well Connected with PC the power board is power on and the program's setup is all right



The normal program is writing



The program has finished writing

Disassembly Procedure

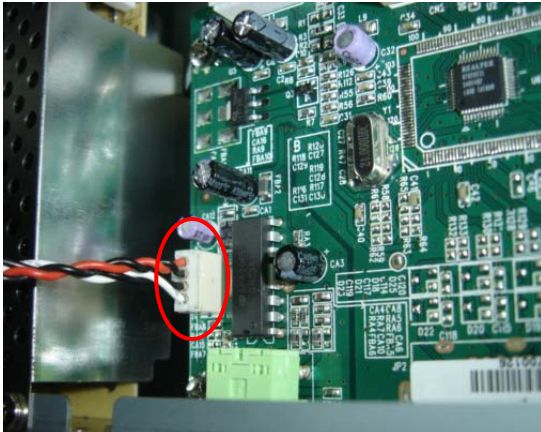
1. Remove the hinge cover



2. Unscrew the back cover's screw



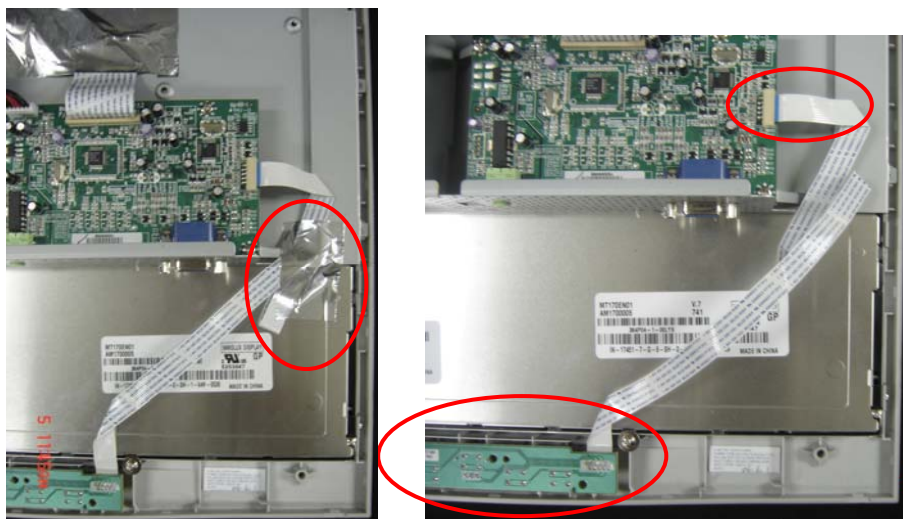
3. open the back cover ,pull out the speaker wire



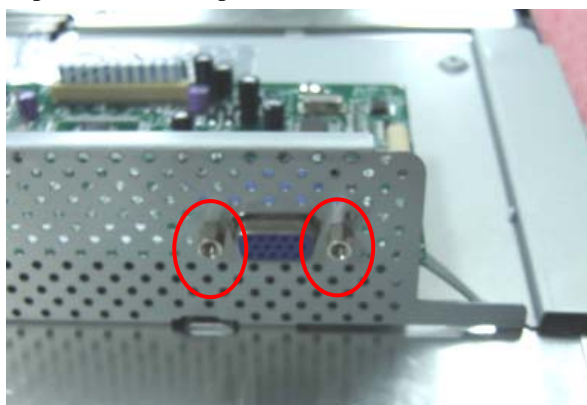
4. Tear off the aluminum foil where fix up the light



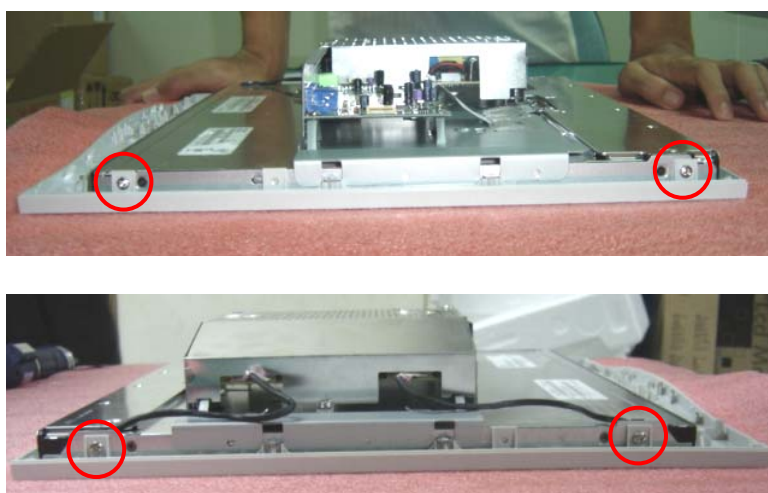
5. Tear off the **aluminum foil** where cover the **FFC cable**, take out the key board from bezel ,pull out FFC cable from the main board;



6. pull out the two pcs screw form the main board



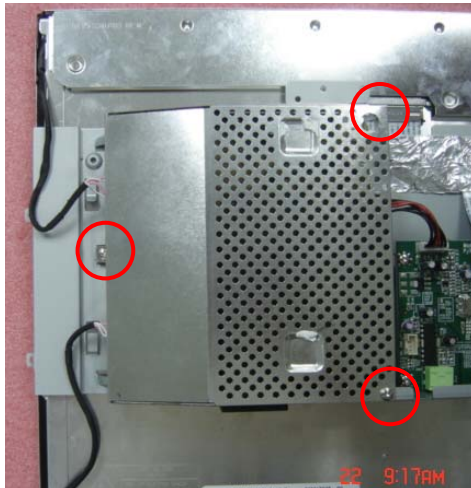
7. Pull out the two screws where lie in the two sides of the frame



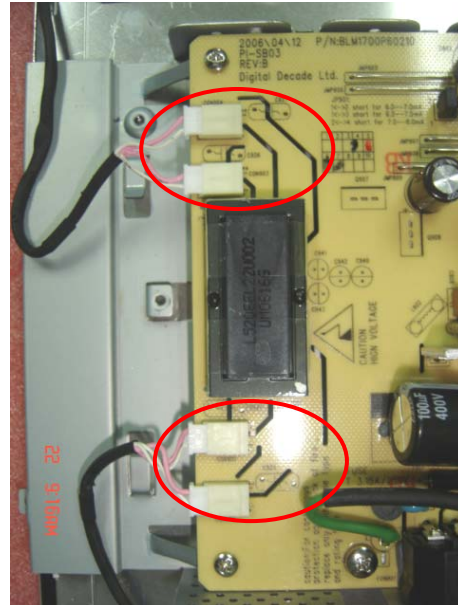
8. pull out the screws which fix up the bezel and then take out the bezel



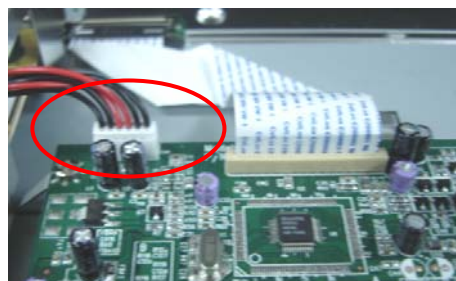
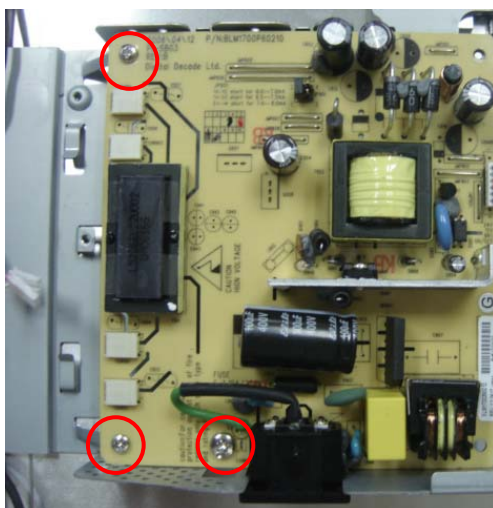
9. Take out the screw which covers the shield



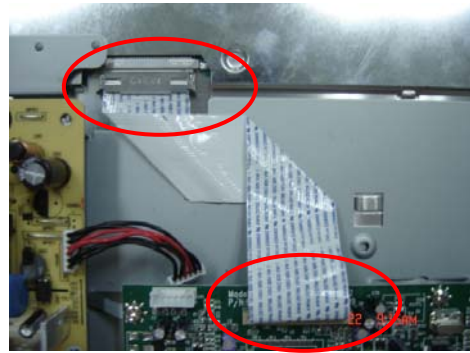
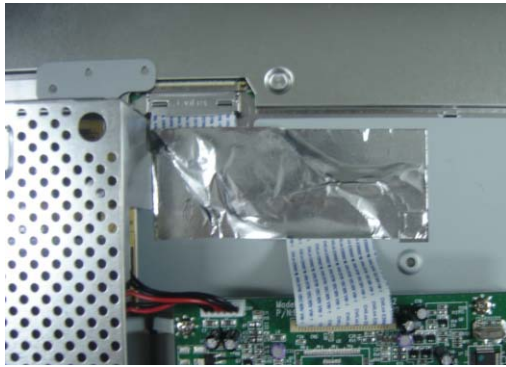
10. Pull out the lamp wire material



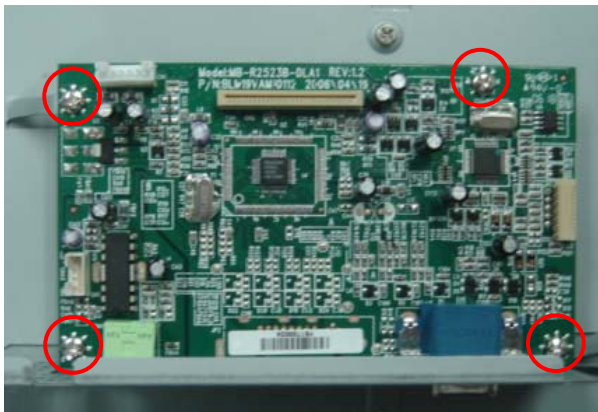
11. take out the screw form the power board ,pull out the power boards' connector wire



12. take out the FCC Cable AL where lies in the panel ,pull out the FCC cable



13. take out the main board's screw

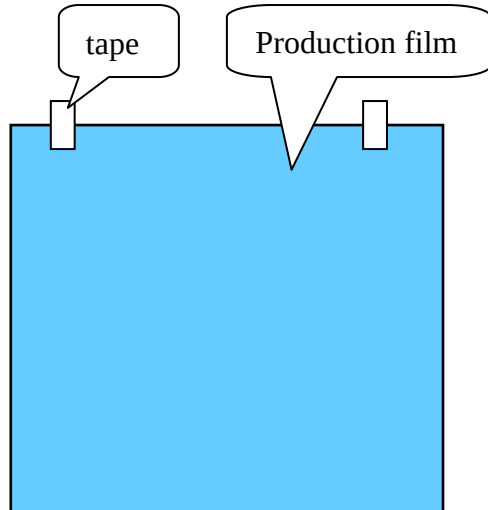


14. Remove the fame down towards



Packing Procedure

1 Paste production film to protect the monitor screen.(Figure 1)



2 Put the monitor in the PE bag and seal bag with tape (Figure 2)



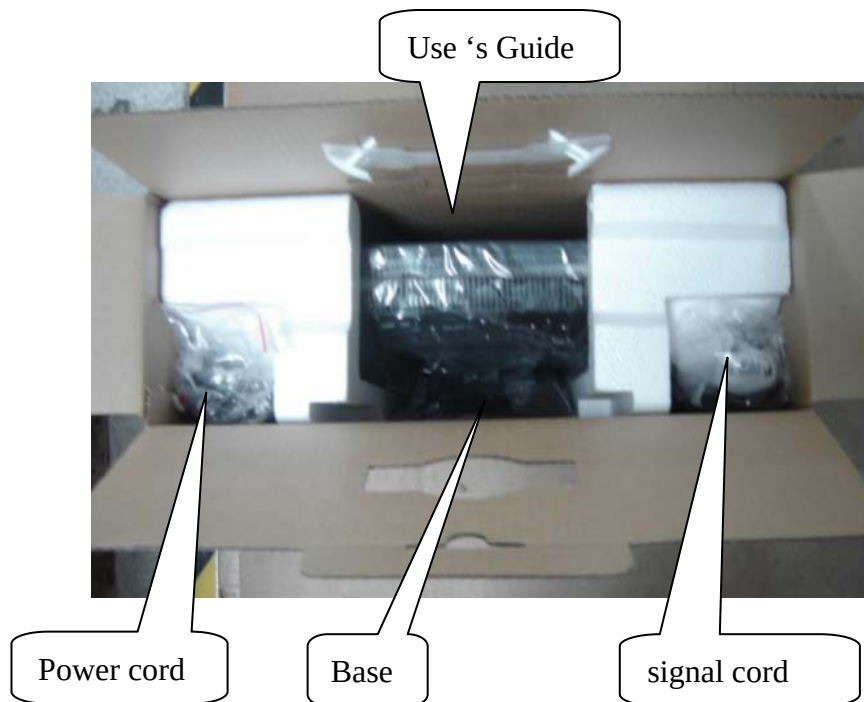
3 Put the cushions on the monitor.(Figure 4)



4. Put the base in the EPE bag. and then,place the base on the cushions ,as figure;

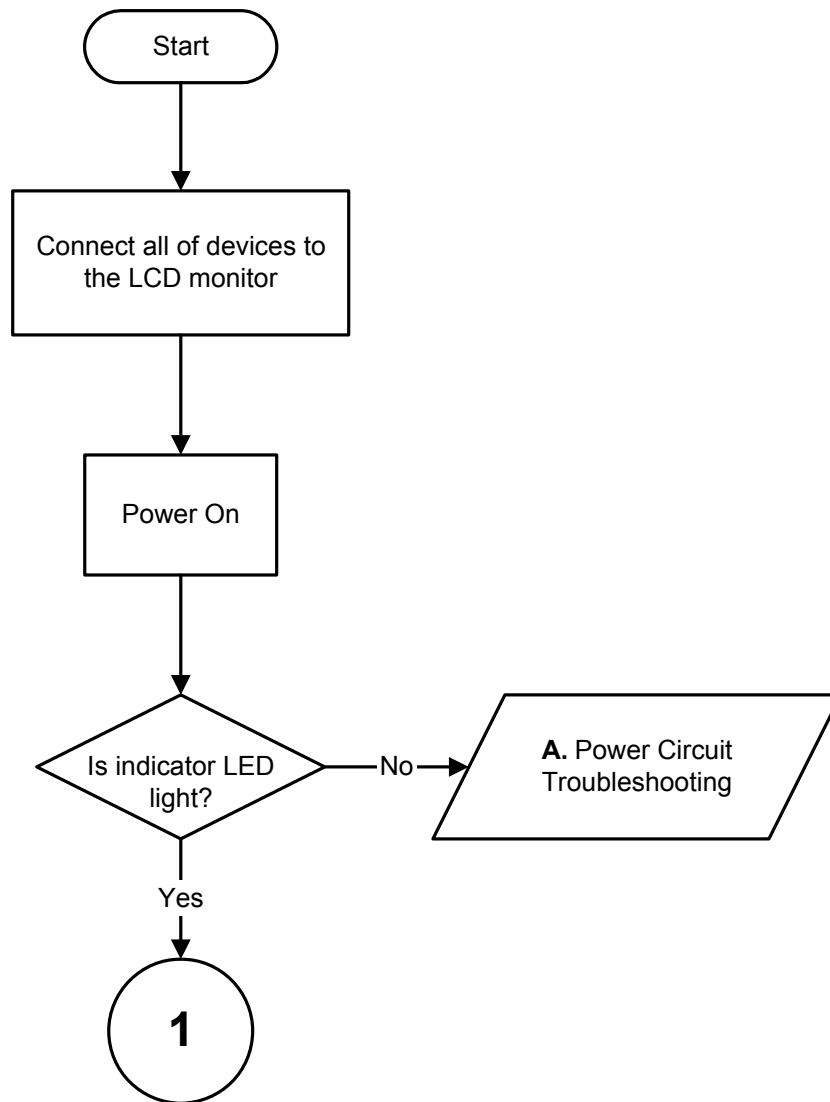


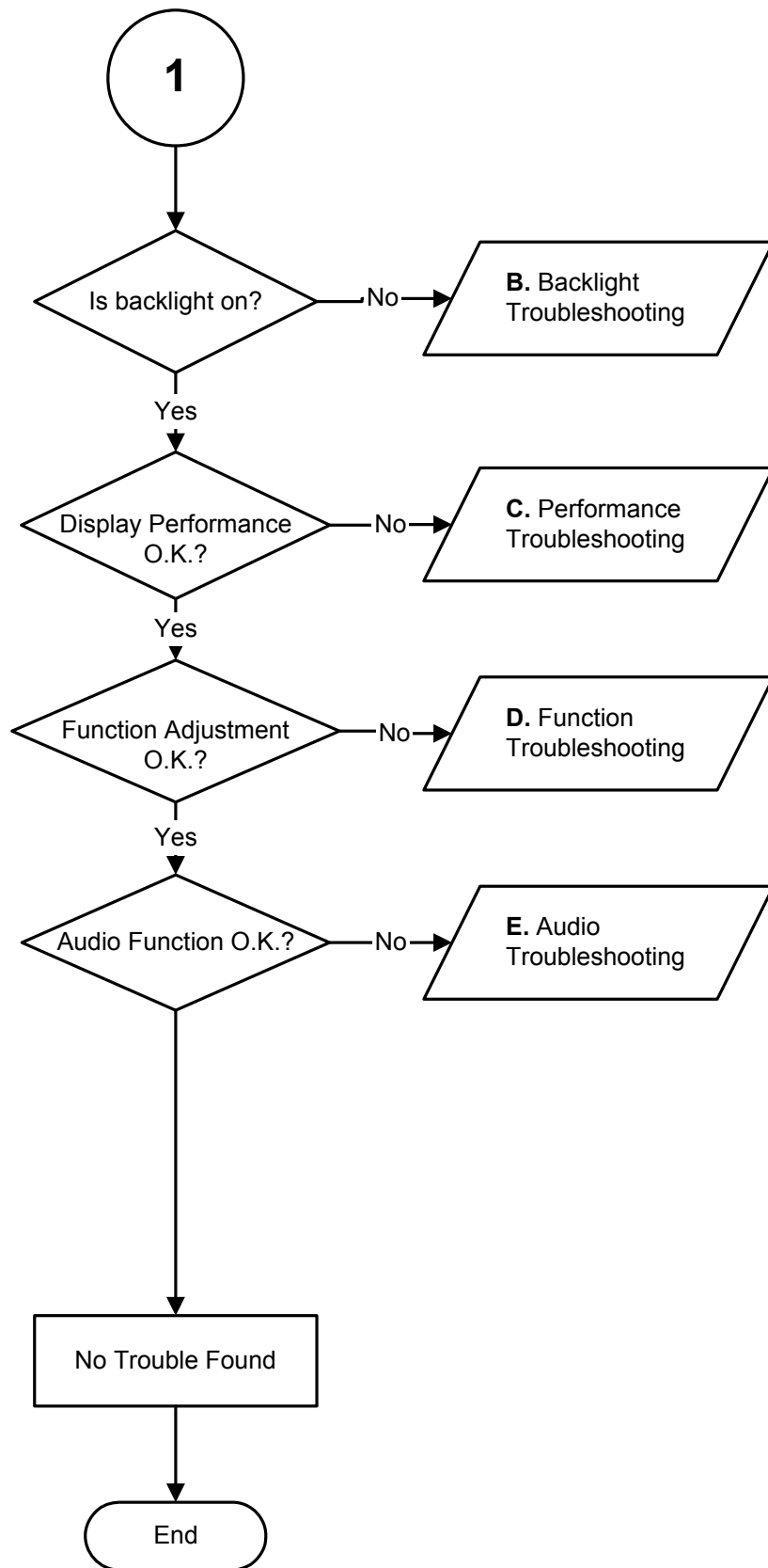
5. Place the monitor into the carton and then put all accessories into carton .At last,close the carton.



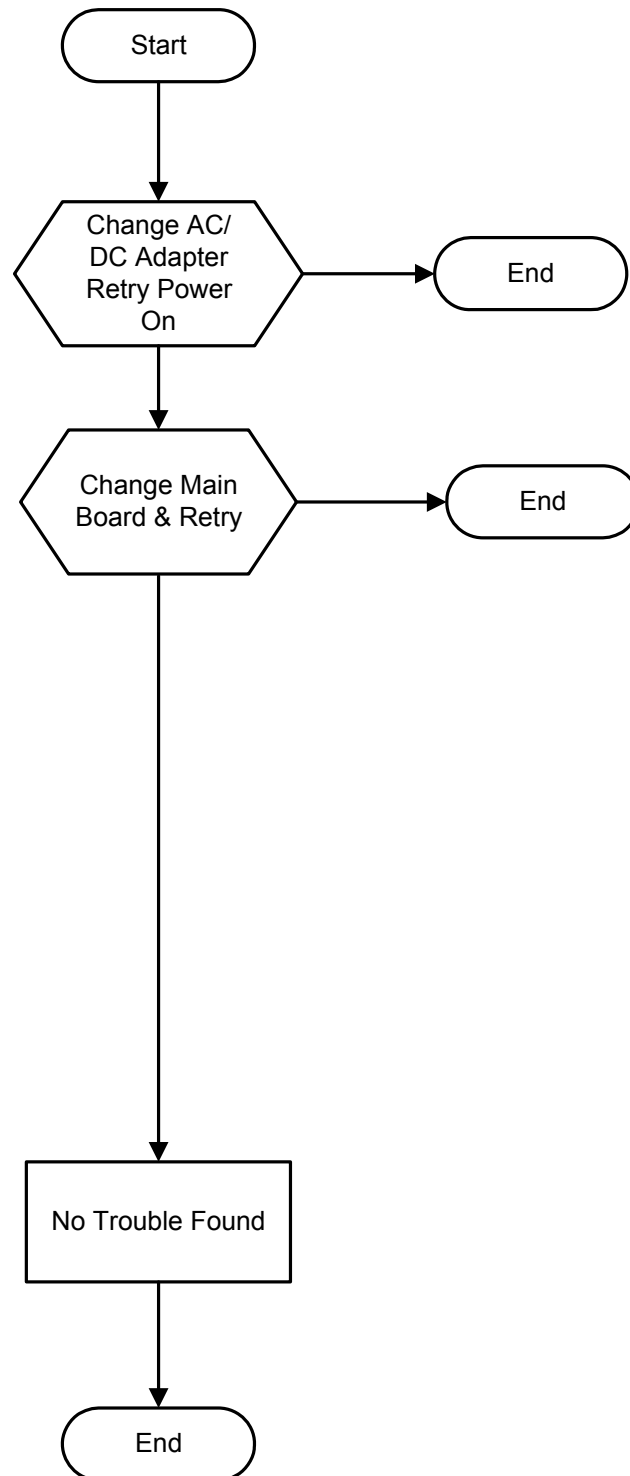
6. Troubleshooting Flow Chart

Main Procedure

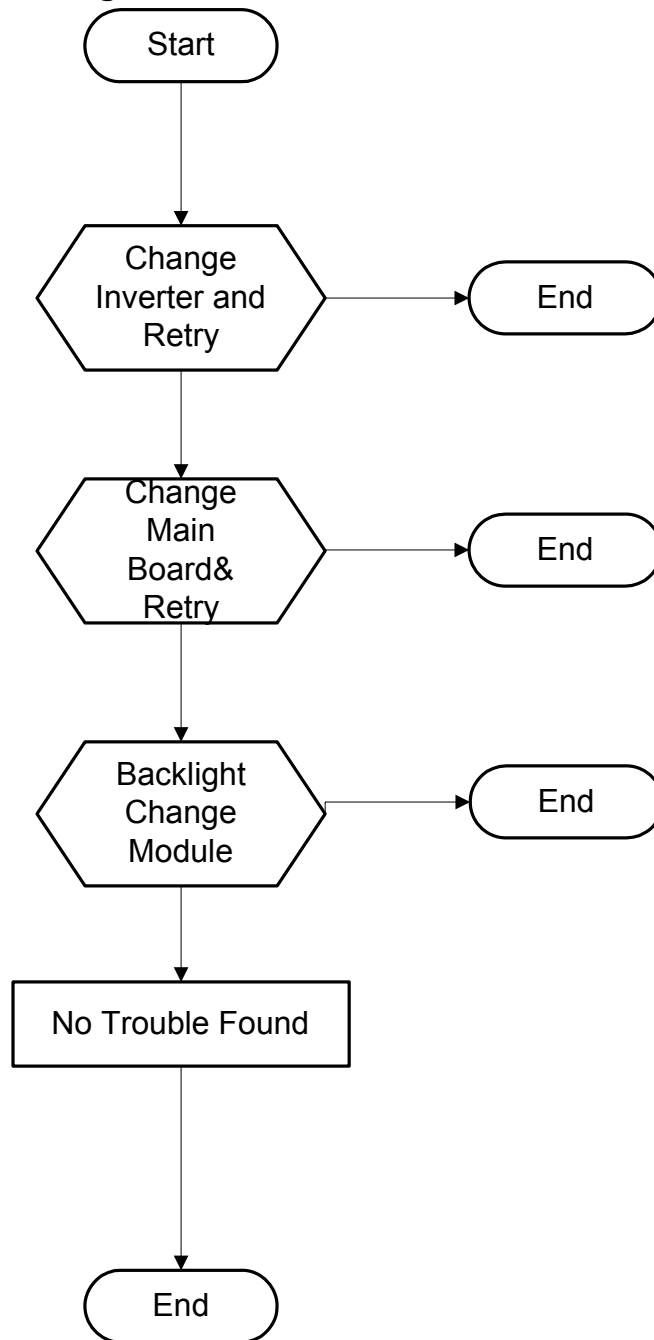




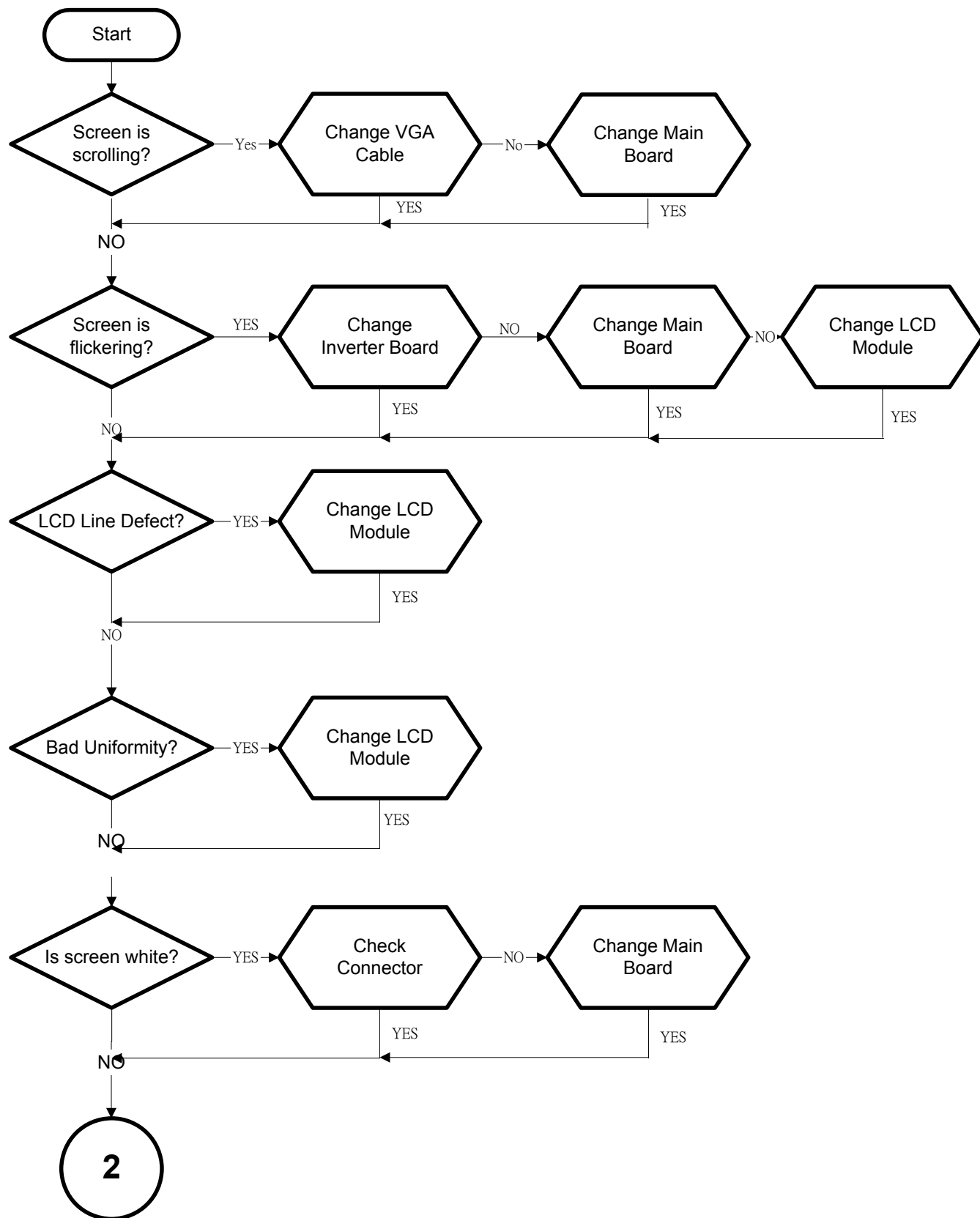
A. Power Circuit Troubleshooting

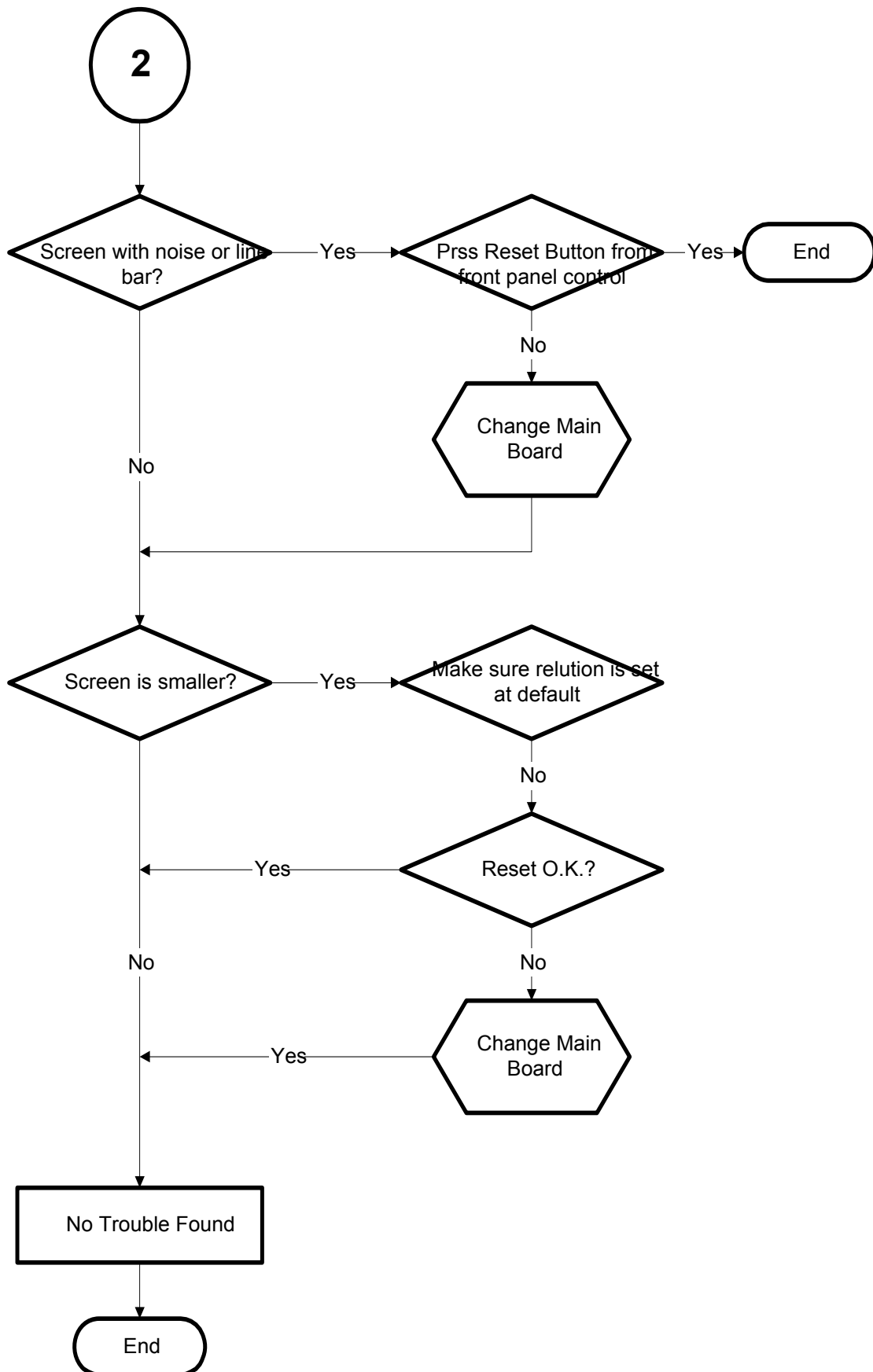


B. Backlight Troubleshooting

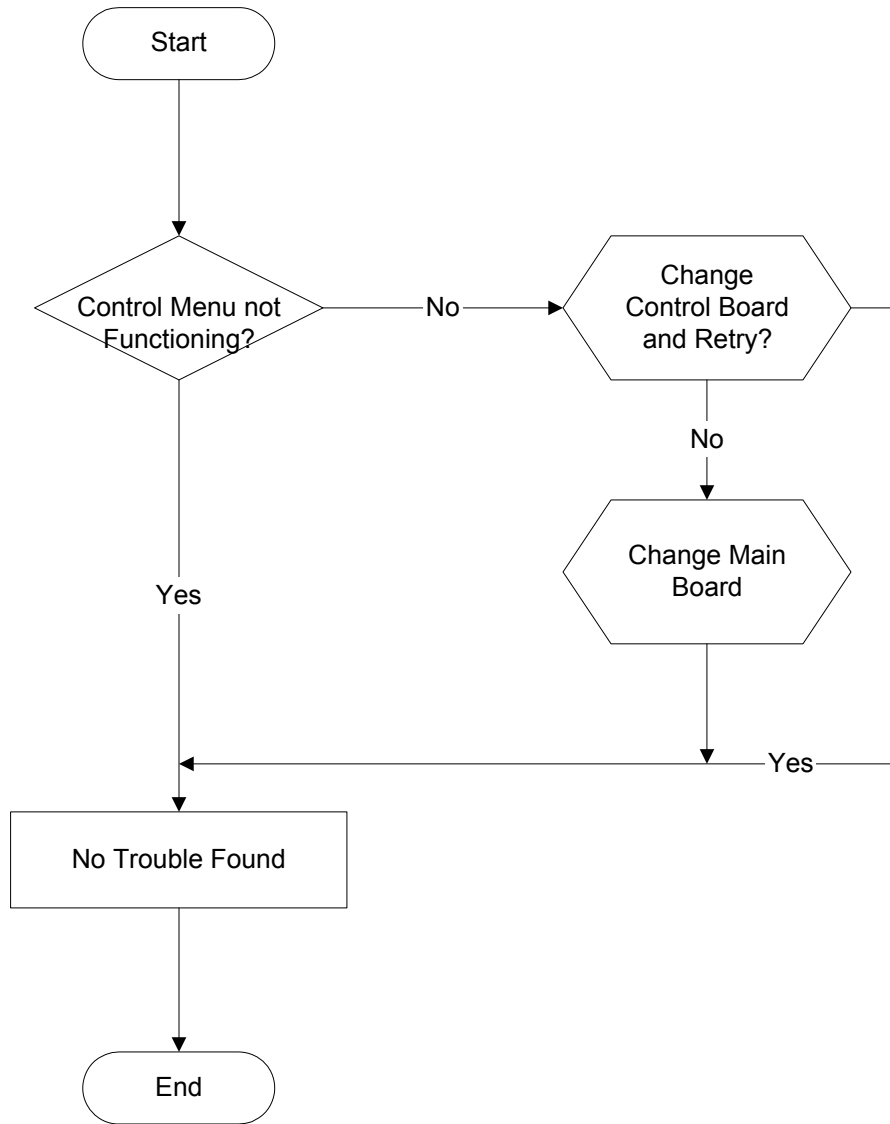


C. Performance Troubleshooting

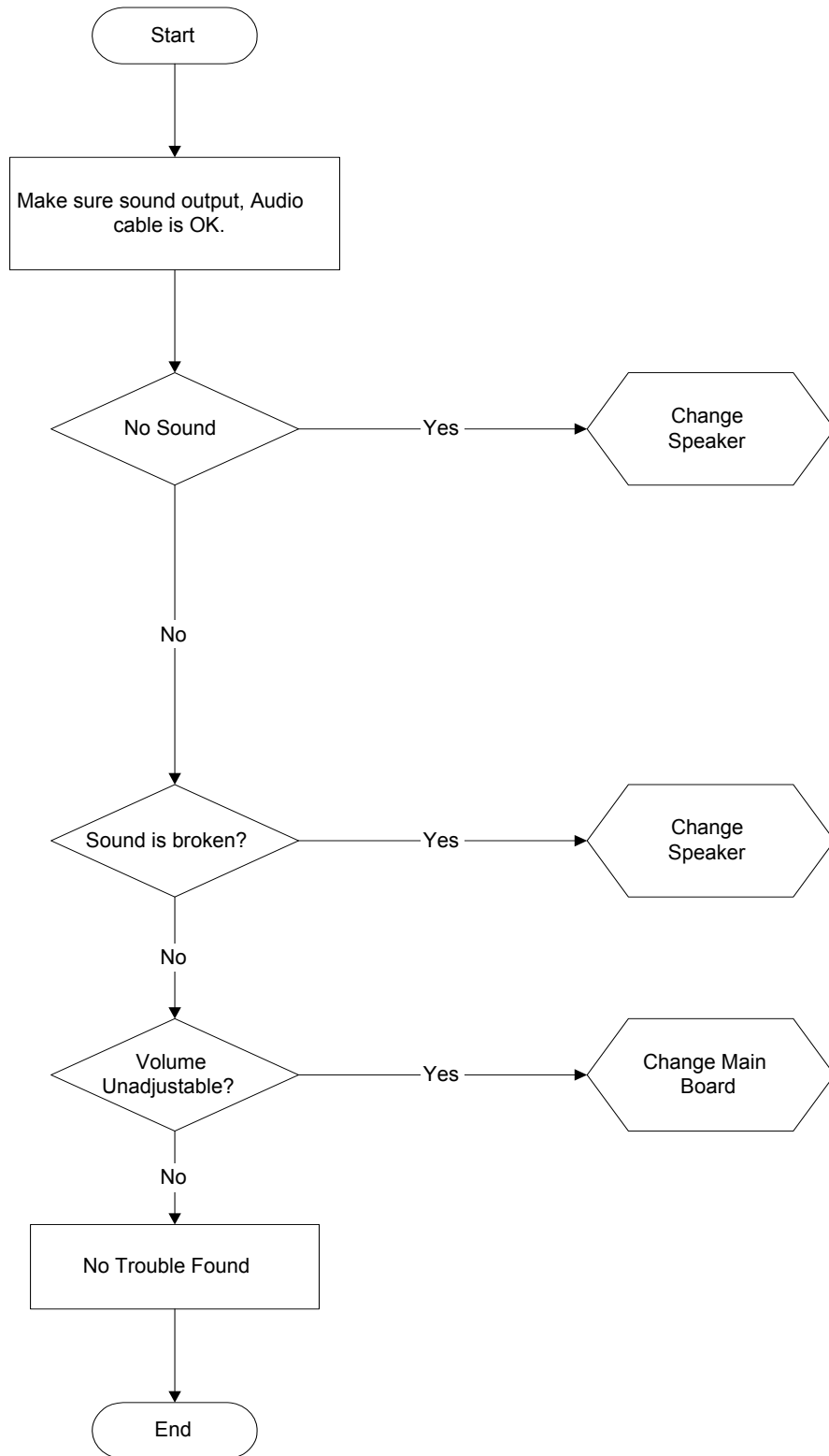




D. Function Troubleshooting



E. Audio Troubleshooting



7. Recommended Spare Parts List

RECOMMENDED SPARE PARTS LIST (VA703b-4)

ViewSonic Model Number: VS11366

Serial No. Prefix: **QAN**

Rev: 1a

Item	Description	ECR/ECN	ViewSonic P/N	Ref. P/N	Location	Universal number#
1	Accessories:					
2	AC POWER CORD 美規 22AWG		A-00006505	W402221509531		
3	PC Board					
4	MAIN BOARD ASSY		B-00006501	XML191A040002		
5	KEY BOARD ASSY		B-00006502	XML191A050001		
6	POWER BOARD+INVERTER BOARD ASSY		B-00006503	XML1700390010		
7	Cabinets:					
8	BEZEL ASSY LM/MR17I-AA		C-00006508	XML171A100004		
9	HOUSING ASSY LM/MR17I-AA		C-00006509	XML171A110002		
10	BASE ASSY(midnight gray)		C-00006583	XML171A280003		
11	Cables:					
12	VGA CABLE 30AWG UL20276		CB-00006504	W0926418AQ951		
13	FFC CY050408001 - Flat Cable		CB-00006506	W47A103015001		
14	Documentation:					
15	Safety Label		DC-00006500	F102506171A02		
16	Hardware:					
17	BRACKET ASSY(midnight gray)		HW-00006511	XML171A200002		
18	Packing Material:					
19	POLYETHYLENE-L EPS		P-00006584	F20133171A002		
20	POLYETHYLENE-R EPS		P-00006585	F20143171A002		
21	PLASTIC BAG PE		P-00006586	F300250000070		
22	CARTON C(K4K) LM/MR17I-AA		P-00006587	F400718171A02		

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 (VA703b-4)

ViewSonic Model Number: VS11366

Serial No. Prefix: **QAN**

Rev: 1b

Item	Description	ECR/ECN	ViewSonic P/N	Ref. P/N	Location	Universal number#
1	Accessories:					
2	AC Power Cord		A-00006505	W402221509531		
3	PC Board Assembly:					
4	Main Board		B-00006501	XML191A040002		
5	Key Board		B-00006502	XML191A050001		
6	Power Board + Inverter Board		B-00006503	XML1700390010		
7	Power Board + Inverter Board Rev. 1	Added on 09/28/06	B-00008053	XML1700390015-SF		
8	Cabinets:					
9	Front Panel		C-00006508	XML171A100004		
10	Back Cover		C-00006509	XML171A110002		
11	Back Cover (midnight gray RGB ONLY REV:2)	Added on 09/28/06	C-00008129	XML171A110006		
12	Base Assembly (midnight gray)		C-00006583	XML171A280003		
13	Cables:					
14	VGA Cable 30AWG UL20276 (Video Cable)		CB-00006504	W0926418AQ951		
15	Flat Cable - FFC CY050408001		CB-00006506	W47A103015001		
16	Flat Cable - FFC CY050408001 P=1.0mm 30PIN L150mm	Added on 09/28/06	CB-00008033	W47A103015003		
17	Documentation:					
18	Safety Label		DC-00006500	F102506171A02		
19	Electronics:					
20	LCD Panel M170E5-L09 17" SXGA CMO	Added on 09/28/06	E-00005791	E34722170SC01		
21	LCD Module SVA170SX01TB 17" SVA Panel Lead Free	Added on 09/28/06	E-00008055	E34S22170S001-A		
22	Hardware:					
23	Bracket (midnight gray)		HW-00006511	XML171A200002		
24	Bracket (midnight gray) for CMO	Added on 09/28/06	HW-00008013	XML191A200001		
25	Bracket (black) LM/MR19I-AAA For SVA	Added on 09/28/06	HW-00008014	XML191A200002		
26	Packing Material:					
27	POLYETHYLENE-L EPS		P-00006584	F20133171A002		
28	POLYETHYLENE-R EPS		P-00006585	F20143171A002		
29	PLASTIC BAG PE		P-00006586	F300250000070		
30	Generic Foam Set		P-00001347	30833		
31	Generic Box		P-00002515	20653		
32	Craft Box - LM/MR17I-AA	Removed & Replace Part on 09/28/06	P-00006587	F400718171A02		
33			P-00008146	F4007K4171A01		

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 (VA703m-4)

ViewSonic Model Number: VS11366

Serial No. Prefix: **QAP**

Rev: 1a

Item	Description	ECR/ECN	ViewSonic P/N	Ref. P/N	Location	Universal number#
1	Accessories:		A-00006505	W402221509531		
2	PC Board		B-00006501	XL191A040002		
3	Assembly:		B-00006502	XL191A050001		
4			B-00006503	XL1700390010		
5	Cabinets:		C-00006583	XL171A280003		
6			C-00006590	XL171A110003		
7	Cables:		CB-00006504	W0926418AQ951		
8			CB-00006506	W47A103015001		
9			CB-00006588	W47B101035001		
10	Documentation:		DC-00006500	F102506171A02		
11	Hardware:		HW-00006511	XL171A200002		
12	Packing Material:		P-00006591	F400714171A01		
13			P-00006584	F20133171A002		
14			P-00006585	F20143171A002		
15			P-00006586	F300250000070		
16			P-00006587	F400718171A02		
17	Plastics:		PL-00006589	P763P398LM020-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 (VA703M-4)

ViewSonic Model Number: VS11366

Serial No. Prefix: **QAP**

Rev: 1b

Item	Description	ECR/ECN	ViewSonic P/N	Ref. P/N	Location	Universal number#
1	Accessories:		A-00006505	W402221509531		
2	PC Board Assembly:		B-00006501	XL191A040002		
4			B-00006502	XL191A050001		
6			B-00006503	XL1700390010		
7			B-00008053	XL1700390015-SF		
8	Cabinets:		C-00008130	XL171A100003		
9			C-00008131	XL171A110005		
10			C-00006583	XL171A280003		
11			C-00006590	XL171A110003		
12			C-00008090	XL171A280002		
13	Cables:		CB-00006504	W0926418AQ951		
14			CB-00006506	W47A103015001		
15			CB-00006588	W47B101035001		
16			CB-00008033	W47A103015003		
17	Documentation:		DC-00006500	F102506171A02		
18	Electronics:		E-00005791	E34722170SC01		
19			E-00008055	E34S22170S001-A		
20	Hardware:		HW-00006511	XL171A200002		
21			HW-00008013	XL191A200001		
22			HW-00008014	XL191A200002		
23	Packing Material:		P-00006584	F20133171A002		
24			P-00006585	F20143171A002		
25			P-00006586	F300250000070		
26			P-00006587	F400714171A02		
27			P-00006591	F400714171A01		
28			P-00008122	F4007K4171A02		
29			P-00001347	30833		
30			P-00002515	20653		
31	Plastics:		PL-00006589	P763P398LM020-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.

BOM LIST(VA703b-4)

ViewSonic Model Number: VS11366

Rev: 1a

Item	ViewSonic P/N	Ref. P/N	Description	Location	Universal number#	Q'ty
1	N/A	E015-006-W	(10mm*14mm) Bird logo			1
2	N/A	E015-016-1-W	VIEWSONIC38MM			1
3	N/A	E34M02170J001	LCD MODULE MT170EN01 1280×1024[SX] 17" LVDS INNOLUX			1
4	N/A	F0004171AK001	Quick Install Manual LM/MR17I-AAA L190*W127mm for viewsonic REV:0			1
5	N/A	F0010171A3001	base attachment procedure LM/MR17I-AAA ENGLISH L190*W127mm for viewsonic VA703 REV:0			1
6	N/A	F001219043001	LM/LM1904 ENGLISH L210*W148mm for viwesonic REV:0			1
7	N/A	F101415170401	MARK LM/LM1704 L11*W11mm energy star			1
8	DC-00006500	F102506171A02	Safety Label LM/MR17I-AA L89.5*W49.5mm for viewsonic(VA703b)			1
9	DC-00005754	F103010LM0001	Blank Label LM/MONITOR L43*W10mm			1
10	N/A	F103015170401	Blank Label LM/LM1704 L50*W25mm			1
11	N/A	F103915170401	CARTON LABEL(UPC) LM/LM1704 L76*W76mm FOR VIEWSONIC			1
12	N/A	F103915171A01	CARTON LABEL LM/MR17I-AAA L89*W58mm forviewsonic 8ms			1
13	N/A	F104515170401	RATING LABEL LM/LM1704 L7*W7mm for Viewsonic			1
14	P-00006584	F20133171A002	POLYETHYLENE-L EPS LM/MR17I-AAA L133*W139*H465mm			1
15	P-00006585	F20143171A002	POLYETHYLENE-R EPS LM/MR17I-AAA L133*W139*H465mm			1
16	P-00006586	F300250000070	PLASTIC BAG PE L610*W510*T0.04mm			1
17	N/A	F400714171A01	CARTON K=K LM/MR17I-AAA L295*W148*H485mm			0.056
18	P-00006587	F400718171A02	CARTON K=K(K4K) LM/MR17I-AA L440*W147*H485mm for			1
19	N/A	F401918171A04	PAPER COVER C LM/MR17I-AAAL1181*W1034*H80mm			0.028
20	N/A	F50206171A003	PALLET GLUE LM/MR17I-AAAL1181*W1034*H120mm			0.014
21	N/A	F801190000016	CD Manual LM/MR17I-AA VIEWSONIC VA703b INNOLUX REV:0			1
22	N/A	F900181000001	PE LIMPID W500*T0.03mm1500m/ROLL PACKTHREAD PP WHITE			0.000156
23	N/A	F9008G2000002	PACKTHREAD PP WHITE W14.5mm*T0.8mm 1300m/ROLL			0.000275
24	N/A	M101082807401	SCREW COPPER Φ2.8*L7mmWITH NICKEL			2
25	N/A	M105243005401	SCREW MACHINE (Binding) Φ3.0mm L5mmNICKEL			15
26	N/A	M105244006401	SCREW BINDING Φ4.0*L6mm WITH NICKEL AD WASHER			1
27	N/A	M108224008401	MACHINE SCREW Φ4.0*L8mm NICKEL			4
28	N/A	M115233008401	SCREW TA PW Φ3.0*L8.0mm NICKEL Washer(Φ10.0mm)			2
29	N/A	M621700LM0360-A	Main Bracket SECC LM/MR17I-AAA REV:0			1
30	N/A	P36AKAF010001	MYLAR L350 X W290 X T0.12MM			1
31	N/A	P440700450002	RUBBER CUSHION Φ7.0*H4.5mm GRAY			4
32	N/A	P705A997LM030-A	Back Cover ABS HB GRAYINJECTION LM/MR17I-AA REV:0			1
33	N/A	V300800000001	GLUE 50g/PES (: -60℃~+200℃)			0.01
34	N/A	V5004AP150201	ADHESIVE TAPE L25000*W15*T0.25mm 25m/ROLL(YW0910300002)			0.012
35	N/A	V5005A5080101	ADHESIVE TAPE L50000*W8*T0.1mm			0.006
36	N/A	V501275024801	ADHESIVE TAPE L75m*W48*T 0.045mm FOR VIEWSONEC			0.006
37	N/A	V900505020003	AL FOIL L50×W30×T0.10mm			1
38	N/A	V900505030001	AL FOIL L100xW40xT0.07mm			1
39	N/A	V900505030007	AL FOIL L100xW30*T0.35mm(Y78400004G*1)			4
40	CB-00006504	W0926418AQ951	VGA CABLE 30AWG UL20276 L1800mm 15PIN BLACK			1
41	A-00006505	W402221509531	AC POWER CORD UL 22AWG L150cm BLACK YISHENG			1
42	CB-00006506	W47A103015001	FFC WIRE CY050408001 P=1.0mm 30PIN L150mmHUNG FU			1
43	N/A	W47B101035001	FFCWIRE FFCC0605T2350EC P=1.0mm 10PIN L350mm HANQUAN			1
44	B-00006503	XL1M1700390010	POWER BOARD+INVERTER BOARD ASSY PI-SB03 24V+5V LM/17"/19" LCD MONITOR FOR VIEWSONIC			1
45	C-00006508	XL1M171A100004	BEZEL ASSY LM/MR17I-AA BEZEL(midnight gray)+BUTTON(SILVER)			1
46	N/A	P727A997LM030-C	BEZEL ABS HB GREY PRINT LM/MR17I-AA REV:0			1
47	N/A	P763P398LM020-B	FUNCTION BUTTON PC SILVER LM/MR17I-AAA REV:0			1
48	N/A	XL1M171A110003	HOUSING ASSY LM/MR17I-AA midnight gray RGB ONLY REV:1			1
49	N/A	M105243006401	MACHINE SCREW Bouding Φ3.0*L6mm NICKEL			2
50	N/A	M410810130001	VASA BKT T=0.8mm SECC			4
51	N/A	M627700LM0240-E	Holder SECC LM/MR17I-AAA L114*W29.6*H6.0*T1.5mm REV:0			1
52	N/A	P728A997LM020-A	HOUSING ABS HB GREY INJECTION LM/MR17I-AA RGB ONLYREV:0			1
53	N/A	V300800000001	GLUE 50g/BOTTLE (: -60℃~+200℃)			0.01
54	HW-00006511	XL1M171A200002	BRACKET ASSY(midnight gray) LM/MR17I-AA bracket+hinge+screw			1
55	N/A	M155234008401	SCREW Φ4.0*L8mm NICKEL WITH WASHER			3
56	N/A	M701900LM0140-K	Hinge SPCC WITH NICKEL LM/MR17I-AAA FRONT 5° REAR 20°REV:0			1
57	N/A	P711A997LM010-A	Bracket ABS HB GRAY INJECTION LM/MR17I-AA REV:0			1
58	C-00006583	XL1M171A280003	BASE ASSY(midnight gray) LM/MR17I-AA BASE+RUBBER			1
59	N/A	P612012010001	RUBBER FOOT ROUND Φ12*T2mm BLACK			6
60	N/A	P74AA997LM010-A	BASE ABS HB GRAY INJECTION LM/MR17I-AA REV:0			1
61	N/A	XL1M171A380001	SHIELD ASSY LM/MR17I-AAA SHIELD+MYLAR			1
62	N/A	M711200LM0130-A	SHIELD SPTE T=0.3mm LM/MR17I-AAA REV:			1
63	N/A	P369579010001	MYLAR L95*W79.5*T0.1mm WHITH ADHESIVE			1
64	B-00006501	XL1M191A040002	MAIN BOARD ASSY LM/MR19I-AA			1
65	N/A	A01F241615A21	IC EEPROM AT24C16 2500ns ATMEL SOIC-8 2K*8 (SMD)			1
66	N/A	A03D111703G03	IC LINEAR IC VOLTAGE REGULATOR GL1117A-3.3 (INPUT4.8~12V OUTPUT 3.3V) SOT-223 GTM LeadFree (SMD)			1
67	N/A	A03D111703A54	IC LINEAR VOLTAGE REGULATOR AP1117E33A SOT-223 ANACHIP			1
68	N/A	A07TV51202M02	IC MCU MTV512GMG 64K MYSON LQFP-48P Lead Free (SMD)			1
69	N/A	A08D2023R2001	IC ASIC/SCALER RTD2023L PLCC-48P REALTEK Lead Free(SMD)			1
70	N/A	BLM19VAM10112	BARE PCB LM/MR19V-AAAD MAIN BOARD 2SIDES FR-4 T1.2mm			1
71	N/A	C02205003C111	CAP MLCC NPO 5pF 50V ±0.25%(C) 0603 TAPPING (SMD)			3
72	N/A	C02210003J111	CAP MLCC NPO 10pF 50V ±5% 0603 TAPPING (SMD)			2
73	N/A	C02212003J111	CAP MLCC /NPO 12PF 50V ±5%(J) 0603 TAPPING (SMD)			1
74	N/A	C02222003J111	CAP MLCC /NPO 22PF 50V ±5%(J) 0603 TPPING (SMD)			3
75	N/A	C02310501K111	CAP MLCC X5R 1uF 16V ±10% (K) 0603 TAPING (SMD)			1
76	N/A	C02410302K111	CAP MLCC X7R 10nF/25V ±10%(K) 0603TAPPING (SMD)			1

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77	N/A	C02410403K111	CAP MLCC X7R 0.1uF/50V ±10%(K) 0603 TAPPING(SMD)			30
78	N/A	C02447302K111	CAP MLCC/ X7R 0.047uF /25V ±10%(K) 0603 TAPPING(SMD)			6
79	N/A	C02447401K111	CAP MLCC X7R 470nf 16V ±10%(K) 0603 TAPING lead free (SMD)			1
80	N/A	C4021006M2431	CAP EC(S) -40~105°C 10uF 25V ±20% (M) Φ5×H7mm P=2.5mm (DIP)			2
81	N/A	C4021014M2222	CAP EC(S) -40~105°C 100uF 16V ±20% (M) Φ5×H11mmP=2.0mm (DIP)			5
82	N/A	C4022204M2322	CAP EC -40~105°C 22UF/16V ±20%(M) § 5*H5MM P=2.0MM (DIP)			2
83	N/A	C4024704M2422	CAP EC -40° ~105°C 47UF/16V ±20% (M) § 5*H7MM P=2.0MM (DIP)			1
84	N/A	D00BAV9905G01	DIODE BAV99 SOT-23 GTM (SMD)			3
85	N/A	D00L414803Y11	DIODE LL4148 SOD-123 YING SMD			4
86	N/A	D01ZT52C03K01	ZENER BZT52C SOD-123KINGWELL 5.6V (SMD)			6
87	N/A	F100315171A01	QC PAPER LM/MR17I-AAA L15*W15mm FOR viewsonic			1
88	N/A	J4507270155B1	D-SUB H/D,15PIN,VGA PC99(LIGHT BLUE)DIP 90°,3 ROW,1285-15S-004-98C-01,TEKCON			1
89	N/A	J4509100102H1	FFC CONNECTOR P=1mm 10PIN 90° CF16061D0T0 HANQUAN (DIP)			1
90	N/A	J4509100306H1	FFC CONN ,30 PIN,1.0,DIP 180°,1 ROW,Cvilux 16301V0T0 or compatible			1
91	N/A	L012700201111	BEAD CHOKE Ferrite(generalcircuit) DDY160808U121MB70Ω 200mA 0603(1608) TAPPING FORD GLORY LEAD FREE (SMD)			3
92	N/A	L013121302A11	CHIP BEAD Ferrite Chip Beads (high current) WB201209B601QLT02 120Ω 3000mA 1206 帶裝 Walsin (SMD)			5
93	N/A	Q441240047151	CRYSTAL QUARTZ/ 24MHZ30PPM 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).....			7
96	N/A	R070331J10111	RES CHIP 330Ω ±5%(J) 1/10W 0603 TAPPING (SMD)			2
97	N/A	R070470J10111	RESISTOR.RES CHIP 47Ω ±5%(J) 1/10W.0603 TAPPING(SMD)			3
98	N/A	R070750J10111	RESISTOR.RES CHIP 75Ω ±5%(J) 1/10W.0603 TAPPING(SMD).....			3
99	N/A	R071000J10111	RES CHIP 100Ω ±5%(J) 1/10W 0603 TAPPING (SMD)			1
100	N/A	R071001J20111	05: RESISTOR.RES CHIP 1KΩ ±5%(J) 1/8W.0603 TAPPING (SMD).....			5
101	N/A	R071002J20111	05: RESISTOR.RES CHIP 10KΩ ±5%(J) 1/8W.0603 TAPPING(SMD).....			3
102	N/A	R071003J10111	RES CHIP 100KΩ ±5%(J) 1/10W 0603 TAPPING (SMD)			1
103	N/A	R071004J30111	RES CHIP 1MΩ ±5%(J) 1/16W 0603 TAPPING (SMD)			1
104	N/A	R071502F30111	RES CHIP 15KΩ ±1%(F) 1/16W 0603 TAPPING (SMD)			1
105	N/A	R072001J30111	RES CHIP 2KΩ ±5%(J) 1/16W 0603 TAPPING (SMD)(Y180222001J0)			3
106	N/A	R072200J20111	05: RESISTOR.RES CHIP 220Ω ±5%(J) 1/8W.0603 TAPPING(SMD).....			8
107	N/A	R073002J10111	05: RESISTOR.RES CHIP 30KΩ ±5%(J) 1/10W.0603 TAPPING (SMD).....			1
108	N/A	R074701J20111	RESISTOR.RES CHIP 4.7KΩ ±5%(J) 1/8W.0603 TAPPING(SMD).....			9
109	N/A	R076801J10111	RES CHIP 6.8KΩ ±5%(J)1/10W 0603 TAPING (SMD)			2
110	N/A	R144701J20112	RES ARRAY 4.7KΩ ±5%(J) 1/10W 8P4R 3216 TAPPING (SMD)			6
111	N/A	T00T390402G01	TR GMBT3904 SOT-23 GTM (SMD)			3
112	N/A	T00T390602G01	TR GMBT3906 SOT-23 GTM(SMD)			6
113	N/A	T01A340102A21	XSTR AO3401/ST3401, SOT-23;3 , Alpha & Omega/ST			1
114	N/A	Y64115HB06*1	CONNECTOR 180°C 2mm 6PIN			1
115	B-00006502	XL1M191A050001	KEY BOARD ASSY LM/MR19I-AAA			1
116	N/A	BLM191AB10110	BARE PCB LM/MR19I-AAA BUTTON BOARD 1SIDE CAM1 T1.6mm			1
117	N/A	D462102211201	LED,Φ3.0x5.3 mmP=2.54 YELLOW/GREEN (DIP)			1
118	N/A	J4509100102H1	FFC CONNECTOR P=1mm 10PIN 90° CF16061D0T0 HANQUAN (DIP)			1
119	N/A	P764P295LM010	SWITCH PA66 BLACK LCDMONITOR SERIES REV:0			5

BOM LIST (VA703m-4)

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Item	ViewSonic #	Ref. P/N	Description	Location	Universal number#	Q'ty
1	N/A	E015-006-W	(10mm*14mm) Bird logo			1
2	N/A	E015-016-1-W	VIEWSONIC38MM			1
3	N/A	E231080150009	SPEAKER 3717CP15 OBLONG 8Ω1.5W R/L450mm			1
4	N/A	E34M02170J001	LCD MODULE MT170EN011280*1024[SX] 17" LVDSINNOLUX			1
5	N/A	F0004171AK001	Quick Install ManualLM/MR17I-AAAL190*W127mm for			1
6	N/A	F0010171A3001	base attachment procedureLM/MR17I-AAA ENGLISHL190*W127mm for viewsonicVA703 REV:0			1
7	N/A	F001219043001	LM/LM1904 ENGLISHL210*W148mm for viwesonic REV:0			1
8	N/A	F101415170401	MARK LM/LM1704L11*W11mm energy star			1
9	N/A	F102506171A01	Safety Label LM/MR17I-AAA L89.5*W49.5mmfor viewsonic(VA703m)			1
10	DC-00005754	F103010LM0001	Blank Label LM/MONITOR L43*W10mm			1
11	N/A	F103015170401	Blank Label LM/LM1704 L50*W25mm			1
12	N/A	F103915170401	CARTON LABEL(UPC) LM/LM1704L76*W76mm FOR VIEWSONIC			1
13	N/A	F103915171A01	CARTON LABEL LM/MR17I-AAA L89*W58mm forviewsonic 8ms			1
14	N/A	F104515170401	RATING LABEL LM/LM1704 L7*W7mm forViewsonic			1
15	P-00006584	F20133171A002	POLYETHYLENE-L EPSLM/MR17I-AAAL133*W139*H465mm			1
16	P-00006585	F20143171A002	POLYETHYLENE-R EPSLM/MR17I-AAAL133*W139*H465mm			1
17	P-00006586	F300250000070	PLASTIC BAG PEL610*W510*T0.04mm			1
18	P-00006591	F400714171A01	CARTON K=K LM/MR17I-AAAL295*W148*H485mm			0.056
19	N/A	F400718171A03	CARTON C(K4K) LM/MR17I-AAA L440*W147*H485mm			1
20	N/A	F401918171A02	PAPER COVER C LM/MR17I-AAAH1200*W885*H100mm			0.017
21	N/A	F401918171A04	PAPER COVER C LM/MR17I-AAAL1181*W1034*H80mm			0.028
22	N/A	F50206171A003	PALLET GLUE LM/MR17I-AAAL1181*W1034*H120mm			0.014
23	N/A	F801190000017	CD MANUAL LM/MR17I-AAA VIEWSONICINNOLUX REV:0			1
24	N/A	F900181000001	PE LIMPID W500*T0.03mm1500m/ROLL PACKTHREAD PP WHITE			0.000156
25	N/A	F9008G2000002	PACKTHREAD PP WHITEW14.5mm*T0.8mm 1300m/ROLL			0.000275
26	N/A	M101082807401	SCREW COPPER Φ2.8*L7mmWITH NICKEL			2
27	N/A	M105243005401	SCREW MACHINE (Binding) Φ3.0mm L5mmNICKEL			15
28	N/A	M105244006401	SCREW BINDING Φ4.0*L6mm WITH NICKEL AD WASHER			1
29	N/A	M108224008401	MACHINE SCREW Φ4.0*L8mm NICKEL			4
30	N/A	M115233008401	SCREW TA PW Φ3.0*L8.0mm NICKEL Washer(Φ10.0mm)			2
31	N/A	M621700LM0360-A	Main Bracket SECC LM/MR17I-AAA REV:0			1
32	N/A	P36AKAF010001	MYLAR L350 X W290 X T0.12MM			1
33	N/A	P392411A00001	SPEAKER SPONGE L24.5*W11*T10mm L/R 25°(VA703)			4
34	N/A	P440700450001	RUBBER CUSHION Φ7.0*H4.5m BLACK			
35	N/A	P705A995LM020-A	Back Cover ABS HB BLACK LM/MR17I-AAA REV:0			1
36	N/A	V300800000001	GLUE 50g/PES (: - 60℃~+200℃)			0.01
37	N/A	V5004AP150201	ADHESIVE TAPE L25000*W15*T0.25mm 25m/ROLL(YW0910300002)			0.012
38	N/A	V5005A5080101	ADHESIVE TAPE L50000*W8*T0.1mm			0.006
39	N/A	V501275024801	ADHESIVE TAPE L75m*W48*T 0.045mm FOR VIEWSONEC			0.006
40	N/A	V900505020003	AL FOIL L50*W30*T0.11mm			S
41	N/A	V900505030001	AL L100xW40xT0.07mm			1
42	N/A	V900505030007	AL FOILL100xW30*T0.35mm(Y78400004G*1)			4
43	CB-00005758	W0026918A0142	AUDIO CABIE 26AWG UL2547L=1800mm 6C BLACK(N65B80-1800)			1
44	CB-00006504	W0926418AQ951	VGA CABLE 30AWG UL20276L1800mm 15PIN BLACK			1
45	A-00006505	W402221509531	AC POWER CORD UL 22AWG L150cm BLACK YICHENG			1
46	CB-00006506	W47A103015001	FFC Wire CY050408001 P=1.0mm 30PIN L150mm HUNG FU			1
47	CB-00006588	W47B101035001	FFC Wire FFCC0605T2350EC P=1.0mm 10PIN L350mm Hanquan			1
48	B-00006503	XLM1700390010	POWER BOARD+INVERTER BOARDASSY PI-SB03 24V+5VLM/17"/19" LCD MONITORFOR VIEWSONIC			1
49	N/A	XLM171A100003	BEZEL ASSY LM/MR17I-AAABEZEL+BUTTON SILVER			1
50	N/A	P727A998LM010-H	BEZEL ABS HB SILVER PRINT LM/MR17I-AAAREV:0			1
51	PL-00006589	P763P398LM020-B	FUNCTION BUTTON PC SILVER LM/MR17I-AAA REV:0			1
52	N/A	XLM171A110004	HOUSING ASSY LM/MR17I-AAABBLACK RGB+AUDIO REV:1			1
53	N/A	M105243006401	MACHINE SCREW Bouding Φ3.0*L6mm NICKEL			2
54	N/A	M410810130001	VASA BKT T=0.8mm SECC			4
55	N/A	M627700LM0240-E	Holder SECC LM/MR17I-AAA L114*W29.6*H6.0*T1.5mmREV:0			1
56	N/A	P728A995LM120-A	HOUSING ABS HB BLACK INJECTION LM/MR17I-AAARGB+AUDIO			1
57	N/A	V300800000001	GLUE 50g/BOTTLE (: -60℃~+200℃)			0.01
58	N/A	XLM171A200003	BRACKET ASSY LM/MR17I-AAAbacket+hinge_bkt+screwBLACK			1
59	N/A	M155234008401	SCREW Φ4.0*L8mm NICKEL WITH WASHER			3
60	N/A	M701900LM0140-K	Hinge SPCC WITH NICKEL LM/MR17I-AAA FRONT 5° REAR 20°			1
61	N/A	P711A995LM030-A	Bracket ABS HB BLACK INJECTION LM/MR17I-AAA REV:0			1
62	N/A	XLM171A280002	BASE ASSY LM/MR17I-AAABASE+RUBBER BLACK			1
63	N/A	P612012010001	RUBBER FOOT ROUND Φ12*T2mmBLACK			6
64	N/A	P74AA995LM100-A	BASE ABS HB BLACK INJECTION LM/MR17I-AAA REV:0			1
65	N/A	XLM171A380001	SHIELD ASSY LM/MR17I-AAASHIELD+MYLAR			1
66	N/A	M711200LM0130-A	SHIELD SPT T=0.3mm LM/MR17I-AAA REV:			1
67	N/A	P369579010001	MYLAR L95*W79.5*T0.1mmWHITH ADHESIVE			1
68	N/A	XLM191A040001	MAIN BOARD ASSY LM/MR19I-AAA			1
69	N/A	A01F241615A21	IC EEPROM AT24C16 2500nsATMEL SOIC-8 2K*8 (SMD)			1
70	N/A	A03D111703G03	IC LINEAR IC VOLTAGEREGULATOR GL1117A-3.3(INPUT 4.8~12V OUTPUT 3.3V)SOT-223 GTM LeadFree (SMD)			1
71	N/A	A03D111703A54	IC LINEAR VOLTAGE REGULATORAP1117E33A SOT-223			1
72	N/A	A07TV51202M02	IC MCU MTV512GMG 64K MYSONLQFP-48P Lead Free (SMD)			1
73	N/A	A08D2023R2001	IC ASIC/SCALER RTD2023LPLCC-48P REALTEK Lead Free(SMD)			1

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Item	ViewSonic #	Ref. P/N	Description	Location	Universal number#	Q'ty
74	N/A	A43H206506A01	LINEAR IC POWER AMPLIFIER with Volume control PA2065JI 2W DIP-16PIN ANPEC(DIP)			1
75	N/A	BLM19VAM10112	BARE PCB LM/MR19V-AAAD MAINBOARD 2SIDES FR-4			1
76	N/A	C02205003C111	CAP MLCC NPO 5pF 50V±0.25%(C) 0603 TAPPING(SMD)			3
77	N/A	C02210003J111	CAP MLCC NPO 10pF 50V ±5%0603 TAPPING (SMD)			2
78	N/A	C02212003J111	CAP MLCC /NPO 12PF 50V±5%(J) 0603 TAPPING (SMD)			1
79	N/A	C02222003J111	CAP MLCC /NPO 22PF 50V±5%(J) 0603 TAPPING (SMD)			3
80	N/A	C02310501K111	CAP MLCC X5R 1uF 16V ±10%(K) 0603 TAPPING (SMD)			3
81	N/A	C02410302K111	CAP MLCC X7R 10nF/25V±10%(K) 0603 TAPPING (SMD)			1
82	N/A	C02410403K111	CAP MLCC X7R 0.1uF/50V±10%(K) 0603 TAPPING(SMD)			33
91	N/A	C02447302K111	CAP MLCC/ X7R 0.047uF /25V±10%(K) 0603 TAPPING(SMD)			6
93	N/A	C02447401K111	CAP MLCC X7R 470nF 16V±10%(K) 0603 TAPPING leadfree (SMD)			1
94	N/A	C4021006M2431	CAP EC(S) -40~105°C 10uF25V ±20% (M) Φ5×H7mmP=2.5mm (DIP)			3
95	N/A	C4021014M2222	CAP EC(S) -40~105°C 100uF16V ±20% (M) Φ5×H11mmP=2.0mm (DIP)			5
96	N/A	C4022204M2322	CAP EC -40~105°C 22UF/16V±20%(M) § 5*H5MM P=2.0MM(DIP)			2
97	N/A	C4022214M3032	CAP EC -40~105°C 220uF /16V±20% (M) Φ6.3×H11mm P=2.(DIP)			1
98	N/A	C4022296M2122	CAP EC -40°C~105°C 2.2uF/25V ±20%(M) §4*H5mmP=2.0mm (DIP)			1
99	N/A	C4024704M2422	CAP EC -40° ~105°C 47UF/16V±20% (M) § 5*H7MM P=2.0MM(DIP)			1
100	N/A	D00BAV9905G01	DIODE BAV99 SOT-23 GTM(SMD)			3
101	N/A	D00L414803Y11	DIODE LL4148 SOD-123 YINGSMO			4
102	N/A	D01ZT52C03K01	ZENER BZT52C SOD-123KINGWELL 5.6V (SMD)			6
104	N/A	F100315171A01	QC PAPER LM/MR171-AAA L15*W15mm FOR viewsonic			1
105	N/A	J41070515T201	Ear-Phone JACK,5 PIN,DIP90°,LIME GREEN,Tekcon			1
106	N/A	J4507270155B1	D-SUB H/D,15PIN,VGAPC99(LIGHT BLUE)DIP 90°,3ROW,1285-15S-004-98C-01,TEKCON			1
107	N/A	J4509100102H1	FFC CONNECTOR P=1mm 10PIN 90° CF16061D0T0 HANQUAN			1
108	N/A	J4509100306H1	FFC CONN ,30 PIN,1.0,DIP180°,1 ROW,Cvilux 16301V0Tor compatible			1
109	N/A	L012121201113	BEAD CHOKEFerrite(generalcircuit)DDY160808U121MB 120Ω 200mA0603 TAPING DUNWANG LEAD FREE (SMD)			8
112	N/A	L012700201111	BEAD CHOKEFerrite(generalcircuit)DDY160808U121MB 70Ω 200mA0603(1608) TAPING FORDGLORY LEAD FREE (SMD)			3
113	N/A	L013121302A11	CHIP BEAD Ferrite ChipBeads (high current)WB201209B601QLT02 120 Ω3000mA 1206 TAPING Walsin(SMD)			5
114	N/A	Q441240047151	CRYSTAL QUARTZ/ 24MHZ30PPM 20PF 49US CRE (DIP)			2
115	N/A	R070000J10311	RES CHIP 0Ω ±5%(J) 1/10W0805 TAPPING(SMD)(Y180320000J0)			S
116	N/A	R070000J20111	05: RESISTOR.RES CHIP 0Ω±5%(J).1/8W 0603 TAPPING(SMD).....			7
118	N/A	R070159J50511	RES CHIP 1.5Ω ±5%(J) 1/4W1206 TAPING LEAD FREE (SMD)			S
119	N/A	R070331J10111	RES CHIP 330Ω ±5%(J) 1/100603 TAPPING (SMD)			S
120	N/A	R070470J10111	RESISTOR.RES CHIP 47Ω±5%(J) 1/10W.0603 TAPPING(SMD)			3
121	N/A	R070750J10111	RESISTOR.RES CHIP 75Ω±5%(J) 1/10W.0603 TAPPING(SMD).....			3
122	N/A	R071000J10111	RES CHIP 100Ω ±5%(J) 1/100603 TAPPING (SMD)			1
125	N/A	R071001J20111	05: RESISTOR.RES CHIP 1KΩ±5%(J) 1/8W.0603 TAPPING(SMD).....			5
127	N/A	R071002J20111	05: RESISTOR.RES CHIP 10KΩ±5%(J) 1/8W.0603TAPPING(SMD).....			5
129	N/A	R071003J10111	RES CHIP 100KΩ ±5%(J) 1/10603 TAPPING (SMD)			S
130	N/A	R071004J30111	RES CHIP 1MΩ ±5%(J) 1/16W0603 TAPPING (SMD)			S
131	N/A	R071502F30111	RES CHIP 15KΩ ±1%(F) 1/160603 TAPPING (SMD)			S
132	N/A	R072001J30111	RES CHIP 2KΩ ±5%(J) 1/16W0603 TAPPING (SMD)(Y180222001J0)			S
133	N/A	R072200J20111	05: RESISTOR.RES CHIP 220Ω±5%(J) 1/8W.0603TAPPING(SMD).....			8
136	N/A	R073002J10111	05: RESISTOR.RES CHIP 30KΩ±5%(J) 1/10W.0603			1
137	N/A	R074701J20111	RESISTOR.RES CHIP 4.7KΩ±5%(J) 1/8W.0603TAPPING(SMD).....			9
140	N/A	R074702J20111	05: RESISTOR.RES CHIP 47KΩ±5%(J) 1/8W.0603 TAPPING(SMD).....			2
141	N/A	R076801J10111	RES CHIP 6.8KΩ ±5%(J)1/10W 0603 TAPING (SMD)			S
142	N/A	R144701J20112	RES ARRAY 4.7KΩ ±5%(J)1/10W 8P4R 3216 TAPPING(SMD)			S
144	N/A	T00T390402G01	TR GMBT3904 SOT-23 GTM(SMD)			3
145	N/A	T00T390602G01	TR GMBT3906 SOT-23 GTM(SMD)			6
147	N/A	T01A340102A21	RESISTOR.RES CHIP 47Ω±5%(J) 1/10W.0603 TAPPING(SMD)			1
148	N/A	Y64115HB04*1	CONNECTOR M 180°C/2.0mm 1ROW 4P			1
149	N/A	Y64115HB06*1	CONNECTOR 180°C 2mm 6PIN			1
150	B-00006502	XL191A050001	RESISTOR.RES CHIP 47Ω±5%(J) 1/10W.0603 TAPPING(SMD)			1
151	N/A	BLM191AB10110	BARE PCB LM/MR191-AAABUTTON BOARD 1SIDE CAM1T1.6mm			1
152	N/A	D462102211201	LED,Φ3.0x5.3 mmP=2.54 YELLOW/GREEN (DIP)			1
153	N/A	J4509100102H1	FFC CONNECTOR P=1mm 10PIN 90° CF16061D0T0 HANQUAN			1
154	N/A	P764P295LM010	SWITCH PA66 BLACK LCDMONITOR SERIES REV:0			5

BOM LIST (VA703b-4) "CMO Panel"

ViewSonic Model Number: VS11366

Rev: 1b

Serial No. Prefix: QAN

Item	ViewSonic P/N	Ref. P/N	Description	Location	Universal number#	Q'ty
1	N/A	E015-006-W	(10mm*14mm) Bird logo			1
2	N/A	E015-016-1-W	VIEWSONIC AL 38MM			1
3	E-00005791	E34722170SC01	LCD MODULE M170E5-L09 1280×1024 17" SXGA CMO			1
4	N/A	F0004171AK001	Quick Install Manual LM/MR171-AAA L190*W127mm for viewsonic REV:0			1
5	N/A	F0010171A3001	base attachment procedure LM/MR171-AAA ENGLISH L190*W127mm for viewsonic VA703 REV:0			1
6	N/A	F101415170401	MARK LM/LM1704L11*W11mm energy star			1
7	N/A	F102506171A08	Safety Label LM/MR171-AA L89.5*W49.5mm for viewsonic (VA703b) CMO PANEL REV:3			1
8	N/A	F103015170401	Blank Label LM/LM1704 L50*W25mm			1
9	DC-00008065	F103015171A01	Blank Label LM/MR171-AAA L36*W9mm for viewsonic china			1
10	N/A	F103915170401	CARTON LABEL(UPC) LM/LM1704 L76*W76mm FOR VIEWSONIC			1
11	N/A	F103915171A01	CARTON LABEL LM/MR171-AAA L89*W58mm forviewsonic 8ms			1
12	N/A	F104515170401	RATING LABEL LM/LM1704 L7*W7mm for Viewsonic			1
13	P-00006584	F20133171A002	POLYETHYLENE-L EPS LM/MR171-AAA L133*W139*H465mm			1
14	P-00006585	F20143171A002	POLYETHYLENE-R EPS LM/MR171-AAA L133*W139*H465mm			1
15	P-00006586	F300250000070	PLASTIC BAG PE L610*W510*T0.04mm			1
16	P-00006591	F400714171A01	CARTON K=K LM/MR171-AAA L295*W148*H485mm(empty)			0.056
17	N/A	F4007K4171A01	CARTON K4K LM/MR171-AA L440*W147*H485mm for viewsonic VA703b REV:1			1
18	N/A	F401918171A04	PAPER COVER LM/MR171-AAA L1181*W1034*H80mm			0.028
19	N/A	F50206171A003	PALLET GLUE LM/MR171-AAA L1181*W1034*H120mm			0.014
20	N/A	F801191000014	CD MANUAL LM/MR171-AA FOR VIEWSONIC VA703b CMO REV:1			1
21	N/A	F900181000001	PE LIMPID W500*T0.03mm 1500m/roll			0.000156
22	N/A	F9008G20000002	PACKTHREAD PP WHITE W14.5mm*T0.8mm 1300m/roll			0.000275
23	N/A	M101082807401	screw copper H(L5mm) Φ2.8*L7mm with nickel			2
24	N/A	M105243005401	SCREW MACHINE (Binding) Φ3.0mm L5mm NICKEL			17
25	N/A	M1052B3003401	SCREW MACHINE /Binding) +/-Φ3*L3mm NICKEL			3
26	N/A	M105243006401	MACHINE SCREW Binding Φ3.0*L6mm NICKEL			2
27	N/A	M105244006401	screw Binding Φ4.0*L6mmwith nickel (with washer)			1
28	N/A	M108224008401	MACHINE SCREW Φ4.0*L8mm NICKEL			4
29	N/A	M115233008401	SCREW TA PW Φ3.0*L8.0mm NICKEL Washer(Φ10.0mm)			2
30	N/A	M621700LM0360-A	Main Bracket SECC LM/MR171-AAA REV:0			1
31	N/A	M627700LM0240-E	Holder SECC LM/MR171-AAA L114*W29.6*H6.0*T1.5mm REV:0			1
32	N/A	P36AKAF010001	MYLAR L350 X W290 X T0.12MM			1
33	N/A	P440700450002	RUBBER CUSHION Φ7.0*H4.5mm GRAY			4
34	N/A	P705A997LM032-A	Back Cover ABS HB GRAY INJECTION LM/MR171-AA REV:2			1
35	N/A	V300800000001	GLUE 50g/BOTTLE (-60° C~+200° C)			0.01
36	N/A	V5004AP150201	ADHESIVE TAPE L25000*W15*T0.25mm 25m/ROLL(YW0910300002)			0.012
37	N/A	V5005A5080101	ADHESIVE TAPE L50000*W8*T0.1mm			0.006
38	N/A	V501275024801	ADHESIVE TAPE L75m*W48*T 0.045mm FOR VIEWSONIC			0.006
39	N/A	V900505020003	AL FOIL L50×W30×T0.10mm			2
40	N/A	V900505030001	AL FOIL L100xW40xT0.07mm			1
41	N/A	V900505030007	AL FOIL L100xW30*T0.35mm(Y78400004G*1)			3
42	CB-00006504	W0926418AQ951	VGA CABLE 30AWG UL 20276 L1800mm 15PIN BLACK			1
43	N/A	W401221809531	AC POWER CORD EUR RVV 300/500V 3G S0.75mm2 L180cmBLACK YISHENG			1
44	CB-00008033	W47A103015003	FFC WIRE CY050408001 P=1.0mm 30PIN L150mm LOCK HUNG FU HUNG FU			1
45	N/A	W47A103015004	FFC WIRE CY050408001 P=1.0mm 30PIN L150mm LOCK HUNG FU HUNG FU			1
46	N/A	W47B101030001	FFCWIRE FFCC0605T2350EC P=1.0mm 10PIN L300mm HANQUAN			1
47	B-00008053	XL1M1700390015-SF	POWER BOARD+INVERTER BOARD ASSY PI-SB03 24V+5V LM/17"/19" LCD MONITOR FOR VIEWSONIC REV:1(PHIHONG)			1
48	N/A	XL1M1700390015-SH	POWER BOARD+INVERTER BOARD ASSY PI-SB03 24V+5V LM/17"/19" LCD MONITOR FOR VIEWSONIC REV:1(UMEC)			1
49	N/A	XL1M1700390015-SD	POWER BOARD+INVERTER BOARD ASSY PI-SB03 24V+5V LM/17"/19"LCD MONITOR FOR VIEWSONIC REV:1(DARFON)			1
50	C-00006508	XL1M171A100004	BEZEL ASSY LM/MR171-AA BEZEL(midnight gray)+BUTTON(SILVER)			1
51	N/A	P727A997LM030-C	BEZEL ABS HB GREY PRINT LM/MR171-AA REV:0			1
52	PL-00006589	P763P398LM020-B	FUNCTION BUTTON PC SILVER LM/MR171-AAA REV:0			1
53	C-00008129	XL1M171A110006	HOUSING ASSY LM/MR171-AA midnight gray RGB ONLY REV:2			1
54	N/A	M410810130001	VASA BKT T=0.8mm SECC			4
55	N/A	P728A997LM021-A	HOUSING ABS HB GREY INJECTION LM/MR171-AA RGB ONLY REV:1			1
56	N/A	V3008000000001	GLUE 50g/BOTTLE			0.01
57	HW-00006511	XL1M171A200002	BRACKET ASSY(midnight gray) LM/MR171-AA bracket+hinge+screw			1
58	N/A	M155234008401	SCREW PWΦ4.0*L8mm NICKEL			3
59	N/A	M701900LM0140-K	Hinge SPCC WITH NICKEL LM/MR171-AAA FRONT 5° REAR 20° REV:0			1
60	N/A	P711A997LM010-A	Bracket ABS HB GRAY INJECTION LM/MR171-AA REV:0			1
61	C-00006583	XL1M171A280003	BASE ASSY(midnight gray) LM/MR171-AA BASE+RUBBER			1
62	N/A	P612012010001	RUBBER FOOT ROUND Φ12*T2mm BLACK			6
63	N/A	P74AA997LM011-A	BASE ABS HB GRAY INJECTION LM/MR171-AA REV:1			1
64	N/A	XL1M171A380001	SHIELD ASSY LM/MR171-AAA SHIELD+MYLAR			1
65	N/A	M711200LM0130-A	SHIELD SPTE LM/MR171-AAA REV:			1
66	N/A	P369579010001	MYLAR L95*W79.5*T0.1mm WHITH ADHESIVE			1
67	B-00006501	XL1M191A040002	MAIN BOARD ASSY LM/MR191-AA			1
68	N/A	A01F241615A21	IC EEPROM AT24C16 2500ns ATMEL SOIC-8 2K*8 (SMD)			1
69	N/A	A03D111703G03	IC LINEAR IC VOLTAGE REGULATOR GL1117A-3.3 (INPUT 4.8-12V OUTPUT 3.3V) SOT-223 GTM LeadFree (SMD)			1

Item	ViewSonic P/N	Ref. P/N	Description	Location	Universal number#	Q'ty
70	N/A	A03D111703A54	IC LINEAR VOLTAGE REGULATOR AP1117E33A SOT-223 ANACHIP (SMD)			1
71	N/A	A07TV51202M02	IC MCU MTV512GMG 64K MYSON LQFP-48P Lead Free (SMD)			1
72	N/A	A08D2023R2001	IC ASIC/SCALER RTD2023L PLCC-48P REALTEK Lead Free(SMD)			1
73	N/A	BLM19VAM10114	BARE PCB LM/MR19V-AAAD MAIN BOARD 2SIDES FR-4 T1.6mm REV:1.4			1
74	N/A	C02205003C111	CAP MLCC NPO 5pF 50V ±0.25%(C) 0603 TAPPING (SMD)			3
75	N/A	C02210003J111	CAP MLCC NPO 10pF 50V ±5% 0603 TAPPING (SMD)			2
76	N/A	C02212003J111	CAP MLCC /NPO 12PF 50V ±5%(J) 0603 TAPPING (SMD)			1
77	N/A	C02222003J111	CAP MLCC /NPO 22PF 50V ±5%(J) 0603 TAPPING (SMD)			3
78	N/A	C02310501K111	CAP MLCC X5R 1uF 16V ±10% (K) 0603 TAPPING (SMD)			1
79	N/A	C02410302K111	CAP MLCC X7R 10nF/25V ±10%(K) 0603 TAPPING (SMD)			1
80	N/A	C02410403K111	CAP MLCC X7R 0.1uF/50V ±10%(K) 0603 TAPPING(SMD)			30
81	N/A	C02447302K111	CAP MLCC /X7R 0.047uF /25V ±10%(K) 0603 TAPPING(SMD)			6
82	N/A	C02447401K111	CAP MLCC X7R 470nF 16V ±10%(K) 0603 TAPPING lead free (SMD)			1
83	N/A	C4021006M2431	CAP EC(S) -40~105°C 10uF 25V ±20% (M) Φ5×H7mm P=2.5mm (DIP)			2
84	N/A	C4021014M2222	CAP EC(S) -40~105°C 100uF 16V ±20% (M) Φ5×H11mm P=2.0mm (DIP)			5
85	N/A	C4022204M2322	CAP EC -40~105°C 22UF/16V ±20%(M) § 5*H5MM P=2.0MM (DIP)			2
86	N/A	C4024704M2422	CAP EC -40° ~105°C 47UF/16V ±20% (M) § 5*H7MM P=2.0MM (DIP)			1
87	N/A	D00BAV9905G01	DIODE BAV99 SOT-23 GTM (SMD)			3
88	N/A	D00L414803Y11	DIODE LL4148 SOD-123 YING SMD			4
89	N/A	D01ZT52C03K01	ZENER BZT52C SOD-123KINGWELL 5.6V (SMD)			6
90	N/A	J4507270155B1	D-SUB H/D,15PIN,VGA PC99(LIGHT BLUE)DIP 90°,3 ROW,1285-15S-004-98C-01,TEKCON			1
91	N/A	J4509100102H1	FFC CONNECTOR P=1mm 10PIN 90° CF16061D0T0 HANQUAN (DIP)			1
92	N/A	J4509100306H1	FFC CONN ,30 PIN,1.0,DIP 180°,1 ROW,Cvilux 16301V0T0 or compatible			1
93	N/A	L012700201111	BEAD CHOKE Ferrite(generalcircuit) DDY160808U121MB70Ω 200mA 0603(1608) TAPPING FORD GLORY LEAD FREE (SMD)			3
94	N/A	L013121302A11	CHIP BEAD Ferrite Chip Beads (high current) WB201209B601QLT02 120 Ω 3000mA 1206 Walsin (SMD)			5
95	N/A	Q441240047151	CRYSTAL QUARTZ 24MHZ 30PPM 20PF 49US CRE (DIP)			2
96	N/A	R070000J10311	RES CHIP 0Ω ±5%(J) 1/10W 0805 TAPPING (SMD)(Y180320000J0)			2
97	N/A	R070000J20111	05: RESISTOR.RES CHIP 0Ω ±5%(J).1/8W 0603 TAPPING (SMD).....			7
98	N/A	R070331J10111	RES CHIP 330Ω ±5%(J) 1/10W 0603 TAPPING (SMD)			2
99	N/A	R070470J10111	RESISTOR.RES CHIP 47Ω ±5%(J) 1/10W.0603 TAPPING(SMD)			3
100	N/A	R070750J10111	RESISTOR.RES CHIP 75Ω ±5%(J) 1/10W.0603 TAPPING(SMD).....			3
101	N/A	R071000J10111	RES CHIP 100Ω ±5%(J) 1/10W 0603 TAPPING (SMD)			1
102	N/A	R071001J20111	05: RESISTOR.RES CHIP 1KΩ ±5%(J) 1/8W.0603 TAPPING (SMD).....			5
103	N/A	R071002J20111	05: RESISTOR.RES CHIP 10KΩ ±5%(J) 1/8W.0603 TAPPING(SMD).....			3
104	N/A	R071003J10111	RES CHIP 100KΩ ±5%(J) 1/10W 0603 TAPPING (SMD)			1
105	N/A	R071004J30111	RES CHIP 1MΩ ±5%(J) 1/16W 0603 TAPPING (SMD)			1
106	N/A	R071502F30111	RES CHIP 15KΩ ±1%(F) 1/16W 0603 TAPPING (SMD)			1
107	N/A	R072001J30111	RES CHIP 2KΩ ±5%(J) 1/16W 0603 TAPPING (SMD)(Y180222001J0)			3
108	N/A	R072200J20111	05: RESISTOR.RES CHIP 220Ω ±5%(J) 1/8W.0603 TAPPING(SMD).....			8
109	N/A	R073002J10111	05: RESISTOR.RES CHIP 30KΩ ±5%(J) 1/10W.0603 TAPPING (SMD).....			1
110	N/A	R074701J20111	RESISTOR.RES CHIP 4.7KΩ ±5%(J) 1/8W.0603 TAPPING(SMD).....			9
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	Y64115HB06*1	CONNECTOR180°C 2mm 16PIN			1
117	B-00006502	XL191A050001	KEY BOARD ASSY LM/MR191-AAA			1
118	N/A	BLM191AB10113	BARE PCB LM/MR191-AAA BUTTON BOARD 1SIDE FR-1 T1.6mm REV:1.3			1
119	N/A	D462102211201	LED,Φ3.0x5.3 mm P=2.54 YELLOW/GREEN (DIP)			1
120	N/A	J4509100102H1	FFC CONNECTOR P=1mm 10PIN 90° CF16061D0T0 HANQUAN (DIP)			1
121	N/A	P764P295LM010	SWITCH PA66 BLACK LCD MONITOR SERIES REV:0			5

BOM LIST (VA703b-4) "SVA Panel"

ViewSonic Model Number: VS11366

Rev: 1b

Serial No. Prefix: QAN

Item	ViewSonic P/N	Ref. P/N	Description	Location	Universal number#	Q'ty
1	N/A	E015-006-W	(10mm*14mm) Bird logo			1
2	N/A	E015-016-1-W	VIEWSONIC AL 38MM			1
3	N/A	E34S22170S001	LCD MODULE SVA170SX01TB 1280×1024[SX] 17" LVDS SVA-NEC LEAD FREE			1
4	N/A	F0004171AK001	Quick Install Manual LM/MR17I-AAA L190*W127mm for viewsonic REV:0			1
5	N/A	F0010171A3001	base attachment procedure LM/MR17I-AAA ENGLISH L190*W127mm for viewsonic VA703 REV:0			1
6	N/A	F001217043001	USER'S GUIDE LM/LM1704 ENGLISH L210*W148mm for Viewsonic REV:0			1
7	N/A	F101415170401	MARK LM/LM1704L11*W11mm energy star			1
8	N/A	F102506171A05	Safety Label LM/MR17I-AA L89.5*W49.5mm for viewsonic (VA703b) SVA PANEL REV:2			1
9	N/A	F103015170401	Blank Label LM/LM1704 L50*W25mm			1
10	DC-00008065	F103015171A01	Blank Label LM/MR17I-AAA L36*W9mm for viewsonic china			1
11	N/A	F103915170401	CARTON LABEL(UPC) LM/LM1704 L76*W76mm FOR VIEWSONIC			1
12	N/A	F103915171A01	CARTON LABEL LM/MR17I-AAA L89*W58mm forviewsonic 8ms			1
13	N/A	F104515170401	RATING LABEL LM/LM1704 L7*W7mm for Viewsonic			1
14	P-00006584	F20133171A002	POLYETHYLENE-L EPS LM/MR17I-AAA L133*W139*H465mm			1
15	P-00006585	F20143171A002	POLYETHYLENE-R EPS LM/MR17I-AAA L133*W139*H465mm			1
16	P-00006586	F300250000070	PLASTIC BAG PE L610*W510*T0.04mm			1
17	P-00006591	F400714171A01	CARTON K=K LM/MR17I-AAA L295*W148*H485mm(empty)			0.056
18	N/A	F4007K4171A01	CARTON K4K LM/MR17I-AA L440*W147*H485mm for viewsonic VA703b REV:1			1
19	N/A	F401918171A04	PAPER COVER LM/MR17I-AAA L1181*W1034*H80mm			0.028
20	N/A	F520626171A003	PALLET GLUE LM/MR17I-AAA L1181*W1034*H120mm			0.014
21	N/A	F801190000018	CD MANUAL LM/MR17I-AA FOR VIEWSONIC VA703b SVA REV:0			1
22	N/A	F900181000001	PE LIMPID W500*T0.03mm 1500m/roll			0.000156
23	N/A	F9008G2000002	PACKTHREAD PP WHITE W14.5mm*T0.8mm 1300m/roll			0.000275
24	N/A	M101082807401	screw copper H(L5mm) Φ2.8*L7mm with nickel			2
25	N/A	M105243005401	SCREW MACHINE (Binding) Φ3.0mm L5mm NICKEL			15
26	N/A	M105243006401	MACHINE SCREW Binding Φ3.0*L6mm NICKEL			2
27	N/A	M105244006401	screw Binding Φ4.0*L6mmwith nickel (with washer)			1
28	N/A	M108224008401	MACHINE SCREW Φ4.0*L8mm NICKEL			4
29	N/A	M115233008401	SCREW TA PW Φ3.0*L8.0mm NICKEL Washer(Φ10.0mm)			2
30	N/A	M621700LM0360-A	Main Bracket SECC LM/MR17I-AAA REV:0			1
31	N/A	M627700LM0240-E	Holder SECC LM/MR17I-AAA L114*W29.6*H6.0*T1.5mm REV:0			1
32	N/A	P36AKAF010001	MYLAR L350 X W290 X T0.12MM			1
33	N/A	P440700450002	RUBBER CUSHION Φ7.0*H4.5mm GRAY			4
34	N/A	P705A997LM032-A	Back Cover ABS HB GRAY INJECTION LM/MR17I-AA REV:2			1
35	N/A	V300800000001	GLUE 50g/BOTTLE (-60° C-→200° C)			0.01
36	N/A	V5004AP150201	ADHESIVE TAPE L25000*W15*T0.25mm 25m/ROLL(YW0910300002)			0.012
37	N/A	V5005A5080101	ADHESIVE TAPE L50000*W8*T0.1mm			0.006
38	N/A	V5011A5150101	ADHESIVE TAPE L50000*W15mm*T0.1mm			0.003
39	N/A	V501275024801	ADHESIVE TAPE L75m*W48*T 0.045mm FOR VIEWSONIC			0.006
40	N/A	V900505020003	AL FOIL L50*W30*T0.10mm			
41	N/A	V900505030001	AL FOIL L100xW40xT0.07mm			1
42	N/A	V900505030007	AL FOIL L100xW30*T0.35mm(Y78400004G*1)			3
43	CB-00006504	W0926418AQ951	VGA CABLE 30AWG UL 20276 L1800mm 15PIN BLACK			1
44	A-00008026	W402091809531	AC POWER CORD UL RVV 300/500V 3G S0.75mm2 L180cmBLACK YISHENG			1
45	CB-00006506	W47A103015001	FFC WIRE CY050408001 P=1.0mm 30PIN L150mmHUNG FU			1
46	N/A	W47B101030001	FFCWIRE FFC0605T2350EC 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)			
49	N/A	XLM1700390015-SD	POWER BOARD+INVERTER BOARD ASSY PI-SB03 24V+5V LM/17"/19"LCD MONITOR FOR VIEWSONIC REV:1(DARFON)			
50	C-00006508	XLM171A100004	BEZEL ASSY LM/MR17I-AA BEZEL(midnight gray)+BUTTON(SILVER)			1
51	N/A	P727A997LM030-C	BEZEL ABS HB GREY PRINT LM/MR17I-AA REV:0			1
52	PL-00006589	P763P398LM020-B	FUNCTION BUTTON PC SILVER LM/MR17I-AAA REV:0			1
53	C-00008129	XLM171A110006	HOUSING ASSY LM/MR17I-AA midnight gray RGB ONLY REV:2			1
54	N/A	M410810130001	VASA BKT T=0.8mm SECC			4
55	N/A	P728A997LM021-A	HOUSING ABS HB GREY INJECTION LM/MR17I-AA RGB ONLY REV:1			1
56	N/A	V300800000001	GLUE 50g/BOTTLE			0.01
57	HW-00006511	XLM171A200002	BRACKET ASSY(midnight gray) LM/MR17I-AA bracket+hinge+screw			1
58	N/A	M155234008401	SCREW PWΦ4.0*L8mm NICKEL			3
59	N/A	M701900LM0140-K	Hinge SPCC WITH NICKEL LM/MR17I-AAA FRONT 5° REAR 20° REV:0			1
60	N/A	P711A997LM010-A	Bracket ABS HB GRAY INJECTION LM/MR17I-AA REV:0			1
61	C-00006583	XLM171A280003	BASE ASSY(midnight gray) LM/MR17I-AA BASE+RUBBER			1
62	N/A	P612012010001	RUBBER FOOT ROUND Φ12*T2mm BLACK			6
63	N/A	P74AA997LM011-A	BASE ABS HB GRAY INJECTION LM/MR17I-AA REV:1			1
64	N/A	XLM171A380001	SHIELD ASSY LM/MR17I-AAA SHIELD+MYLAR			1
65	N/A	M711200LM0130-A	SHIELD SPTE LM/MR17I-AAA REV:			1
66	N/A	P369579010001	MYLAR L95*W79.5*T0.1mm WHITH ADHESIVE			1
67	B-00006501	XLM191A040002	MAIN BOARD ASSY LM/MR19I-AA			1
68	N/A	A01F241615A21	IC EPROM AT24C16 2500ns ATMEL SOIC-8 2K*8 (SMD)			1
69	N/A	A03D111703G03	IC LINEAR IC VOLTAGE REGULATOR GL1117A-3.3 (INPUT4.8~12V OUTPUT 3.3V) SOT-223 GTM LeadFree (SMD)			1
70	N/A	A03D111703A54	IC LINEAR VOLTAGE REGULATOR AP1117E33A SOT-223 ANACHIP (SMD)			1
71	N/A	A071V51202M02	IC MCU MTV512GMG 64K MYSON LQFP-48P Lead Free (SMD)			1
72	N/A	A08D2023R2001	IC ASIC/SCALER RTD2023L PLCC-48P REALTEK Lead Free(SMD)			1
73	N/A	BLM19VAM10114	BARE PCB LM/MR19V-AAAD MAIN BOARD 2SIDES FR-4 T1.6mm REV:1.4			1
74	N/A	C02205003C111	CAP MLCC NPO 5pF 50V ±0.25%(C) 0603 TAPPING (SMD)			3

Item	ViewSonic P/N	Ref. P/N	Description	Location	Universal number#	Q'ty
75	N/A	C02210003J111	CAP MLCC NPO 10pF 50V ±5% 0603 TAPPING (SMD)			2
76	N/A	C02212003J111	CAP MLCC /NPO 12PF 50V ±5%(J) 0603 TAPPING (SMD)			1
77	N/A	C02222003J111	CAP MLCC /NPO 22PF 50V ±5%(J) 0603 TAPPING (SMD)			3
78	N/A	C02310501K111	CAP MLCC X5R 1uF 16V ±10% (K) 0603 TAPPING (SMD)			1
79	N/A	C02410302K111	CAP MLCC X7R 10nF/25V ±10%(K) 0603 TAPPING (SMD)			1
80	N/A	C02410403K111	CAP MLCC X7R 0.1uF/50V ±10%(K) 0603 TAPPING(SMD)			30
81	N/A	C02447302K111	CAP MLCC/ X7R 0.047uF /25V ±10%(K) 0603 TAPPING(SMD)			6
82	N/A	C02447401K111	CAP MLCC X7R 470nF 16V ±10%(K) 0603 TAPPING lead free (SMD)			1
83	N/A	C4021006M2431	CAP EC(S) -40~105°C 10uF 25V ±20% (M) Φ5×H7mm P=2.5mm (DIP)			2
84	N/A	C4021014M2222	CAP EC(S) -40~105°C 100uF 16V ±20% (M) Φ5×H11mmP=2.0mm (DIP)			5
85	N/A	C4022204M2322	CAP EC -40~105°C 22uF/16V ±20%(M) § 5*H5MM P=2.0MM (DIP)			2
86	N/A	C4024704M2422	CAP EC -40~105°C 47uF/16V ±20% (M) § 5*H7MM P=2.0MM (DIP)			1
87	N/A	D00BAV9905G01	DIODE BAV99 SOT-23 GTM (SMD)			3
88	N/A	D00L414803Y111	DIODE LL4148 SOD-123 YING SMD			4
89	N/A	D01ZT52C03K01	ZENER BZT52C SOD-123KINGWELL 5.6V (SMD)			6
90	N/A	J4507270155B1	D-SUB H/D,15PIN,VGA PC99(LIGHT BLUE)DIP 90°,3 ROW,1285-15S-004-98C-01,TEKCON			1
91	N/A	J4509100102H1	FFC CONNECTOR P=1mm 10PIN 90° CF16061D0T0 HANQUAN (DIP)			1
92	N/A	J4509100306H1	FFC CONN .30 PIN,1.0,DIP 180°,1 ROW,Cvilux 16301V0T0 or compatible			1
93	N/A	L012700201111	BEAD CHOKE Ferrite(general circuit) DDY160808U121MB70Ω 200mA 0603(1608) TAPPING FORD GLORY LEAD FREE (SMD)			3
94	N/A	L013121302A11	CHIP BEAD Ferrite Chip Beads (high current) WB201209B601QLT02 120Ω 3000mA 1206 Walsin (SMD)			5
95	N/A	Q441240047151	CRYSTAL QUARTZ 24MHZ 30PPM 20PF 49US CRE (DIP)			2
96	N/A	R070000J10311	RES CHIP 0Ω ±5%(J) 1/10W 0805 TAPPING (SMD)(Y180320000J0)			
97	N/A	R070000J20111	05: RESISTOR.RES CHIP 0Ω ±5%(J).1/8W 0603 TAPPING (SMD).....			7
98	N/A	R070331J10111	RES CHIP 330Ω ±5%(J) 1/10W 0603 TAPPING (SMD)			
99	N/A	R070470J10111	RESISTOR.RES CHIP 47Ω ±5%(J) 1/10W.0603 TAPPING(SMD)			3
100	N/A	R070750J10111	RESISTOR.RES CHIP 75Ω ±5%(J) 1/10W.0603 TAPPING(SMD).....			3
101	N/A	R071000J10111	RES CHIP 100Ω ±5%(J) 1/10W 0603 TAPPING (SMD)			1
102	N/A	R071001J20111	05: RESISTOR.RES CHIP 1KΩ ±5%(J) 1/8W.0603 TAPPING (SMD).....			5
103	N/A	R071002J20111	05: RESISTOR.RES CHIP 10KΩ ±5%(J) 1/8W.0603 TAPPING(SMD).....			3
104	N/A	R071003J10111	RES CHIP 100KΩ ±5%(J) 1/10W 0603 TAPPING (SMD)			
105	N/A	R071004J30111	RES CHIP 1MΩ ±5%(J) 1/16W 0603 TAPPING (SMD)			
106	N/A	R071502F30111	RES CHIP 15KΩ ±1%(F) 1/16W 0603 TAPPING (SMD)			
107	N/A	R072001J30111	RES CHIP 2KΩ ±5%(J) 1/16W 0603 TAPPING (SMD)(Y180222001J0)			
108	N/A	R072200J20111	05: RESISTOR.RES CHIP 220Ω ±5%(J) 1/8W.0603 TAPPING(SMD).....			8
109	N/A	R073002J10111	05: RESISTOR.RES CHIP 30KΩ ±5%(J) 1/10W.0603 TAPPING (SMD).....			1
110	N/A	R074701J20111	RESISTOR.RES CHIP 4.7KΩ ±5%(J) 1/8W.0603 TAPPING(SMD).....			9
111	N/A	R076801J10111	RES CHIP 6.8KΩ ±5%(J) 1/10W 0603 TAPPING (SMD)			
112	N/A	R144701J20112	RES ARRAY 4.7KΩ ±5%(J) 1/10W 8P4R 3216 TAPPING (SMD)			
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	Y64115HB06*1	CONNECTOR180°C 2mm 16PIN			1
117	B-00006502	XL191A050001	KEY BOARD ASSY LM/MR191-AAA			1
118	N/A	BLM191AB10113	BARE PCB LM/MR191-AAA BUTTON BOARD 1SIDE FR-1 T1.6mm REV:1.3			1
119	N/A	D462102211201	LED,Φ3.0x5.3 mm P=2.54 YELLOW/GREEN (DIP)			1
120	N/A	J4509100102H1	FFC CONNECTOR P=1mm 10PIN 90° CF16061D0T0 HANQUAN (DIP)			1
121	N/A	P764P295LM010	SWITCH PA66 BLACK LCD MONITOR SERIES REV:0			5

BOM LIST (VA703m-4) "CMO Panel"

ViewSonic Model Number: VS11366

Rev: 1b

Serial No. Prefix: QAP

Item	ViewSonic P/N	Ref. P/N	Description	Location	Universal number#	Q'ty
1	N/A	E015-006-W	(10mm*14mm) Bird logo			1
2	N/A	E015-016-1-W	VIEWSONIC AL 38MM			1
3	E-00005791	E34722170SC01	LCD MODULE M170E5-L09 1280×1024 17" SXGA CMO			1
4	N/A	F0004171AK001	Quick Install Manual LM/MR171-AAA L190*W127mm for viewsonic REV:0			1
5	N/A	F0010171A3001	base attachment procedure LM/MR171-AAA ENGLISH L190*W127mm for viewsonic VA703 REV:0			1
6	N/A	F101415170401	MARK LM/LM1704L11*W11mm energy star			1
7	N/A	F102506171A07	Safety Label LM/MR171-AAA L89.5*W49.5mm for viewsonic (VA703M) CMO PANEL REV:3			1
8	N/A	F103015170401	Blank Label LM/LM1704 L50*W25mm			1
9	DC-00008065	F103015171A01	Blank Label LM/MR171-AAA L36*W9mm for viewsonic chin			1
10	N/A	F103915170401	CARTON LABEL (UPC) LM/LM1704 L76*W76mm FOR VIEWSONIC			1
11	N/A	F103915171A01	CARTON LABEL LM/MR171-AAA L89*W58mm forviewsonic 8m			1
12	N/A	F104515170401	RATING LABEL LM/LM1704 L7*W7mm for Viewsonic			1
13	P-00006584	F20133171A002	POLYETHYLENE-L EPS LM/MR171-AAA L133*W139*H465mm			1
14	P-00006585	F20143171A002	POLYETHYLENE-R EPS LM/MR171-AAA L133*W139*H465mm			1
15	P-00006586	F300250000070	PLASTIC BAG PE L610*W510*T0.04mm			1
16	P-00006591	F400714171A01	CARTON K=K LM/MR171-AAA L295*W148*H485mm(empty)			0.056
17	N/A	F4007K4171A01	CARTON K4K LM/MR171-AA L440*W147*H485mm for viewsonic VA703b REV:1			1
18	N/A	F401918171A04	PAPER COVER LM/MR171-AAA L1181*W1034*H80mm			0.028
19	N/A	F50206171A003	PALLET GLUE LM/MR171-AAA L1181*W1034*H120mm			0.014
20	N/A	F801191000013	CD MANUAL LM/MR171-AAA FOR VIEWSONIC VA703m CMO REV:1			1
21	N/A	F900181000001	PE LIMPID W500*T0.03mm 1500m/roll			0.000156
22	N/A	F9008G2000002	PACKTHREAD PP WHITE W14.5mm*T0.8mm 1300m/rol			0.000275
23	N/A	M101082807401	screw copper H(L5mm) Φ2.8*L7mm with nicke			2
24	N/A	M105243005401	SCREW MACHINE (Binding) Φ3.0mm L5mm NICKEL			17
25	N/A	M1052B3003401	SCREW MACHINE /Binding) +/1 Φ3*1.3mm NICKEL			3
26	N/A	M105243006401	MACHINE SCREW Binding Φ3.0*L6mm NICKEL			2
27	N/A	M105244006401	screw Binding Φ4.0*L6mmwith nickel (with washer			1
28	N/A	M108224008401	MACHINE SCREW Φ4.0*L8mm NICKEL			4
29	N/A	M115233008401	SCREW TA PW Φ3.0*L8.0mm NICKEL Washer(Φ10.0mm)			2
30	N/A	M621700LM0360-A	Main Bracket SECC LM/MR171-AAA REV:0			1
31	N/A	M627700LM0240-E	Holder SECC LM/MR171-AAA L114*W29.6*H6.0*T1.5mm REV:0			1
32	N/A	P36AKAF010001	MYLAR L350 X W290 X T0.12MM			1
33	N/A	P440700450002	RUBBER CUSHION Φ7.0*H4.5mm GRAY			4
34	N/A	P705A997LM032-A	Back Cover ABS HB GRAY INJECTION LM/MR171-AAA REV:2			1
35	N/A	P300800000001	GLUE 50g/BOTTLE (-60° C--+200° C)			0.01
36	N/A	V5004AP150201	ADHESIVE TAPE L25000*W15*T0.25mm 25m/ROLL.(YW0910300002)			0.012
37	N/A	V5005A5080101	ADHESIVE TAPE L50000*W8*T0.1mm			0.006
38	N/A	V501275024801	ADHESIVE TAPE L75m*W48*T 0.045mm FOR VIEWSONIC			0.006
39	N/A	V900505020003	AL FOIL L50×W30×T0.10mm			2
40	N/A	V900505030001	AL FOIL L100xW40xT0.07mm			1
41	N/A	V900505030007	AL FOIL L100xW30*T0.35mm(Y78400004G*1)			3
42	CB-00006504	W0926418AQ951	VGA CABLE 30AWG UL 20276 L1800mm 15PIN BLACK			1
43	N/A	W401221809531	AC POWER CORD EUR RVV 300/500V 3G S0.75mm2 L180cmBLACK YISHENG			1
44	CB-00008033	W47A103015003	FFC WIRE CY050408001 P=1.0mm 30PIN L150mm LOCK HUNG FU HUNG FU			1
45	N/A	W47A103015004	FFC WIRE CY050408001 P=1.0mm 30PIN L150mm LOCK HUNG FU HUNG FU			1
46	N/A	W47B101030001	FFCWIRE FFC0605T2350EC 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	N/A	XLM1700390015-SD	POWER BOARD+INVERTER BOARD ASSY PI-SB03 24V+5V LM/17"/19"LCD MONITOR FOR VIEWSONIC REV:1(DARFON)			1
50	C-00006508	XLM171A100004	BEZEL ASSY LM/MR171-AA BEZEL (midnight gray)+BUTTON(SILVER)			1
51	N/A	P727A997LM030-C	BEZEL ABS HB GREY PRINT LM/MR171-AA REV:0			1
52	PL-00006589	P763P398LM020-B	FUNCTION BUTTON PC SILVER LM/MR171-AAA REV:0			1
53	C-00008129	XLM171A110006	HOUSING ASSY LM/MR171-AA midnight gray RGB ONLY REV:2			1
54	N/A	M410810130001	VASA BKT T=0.8mm SECC			4
55	N/A	P728A997LM021-A	HOUSING ABS HB GREY INJECTION LM/MR171-AA RGB ONLY REV:1			1
56	N/A	V300800000001	GLUE 50g/BOTTLE			0.01
57	HW-00006511	XLM171A200002	BRACKET ASSY(midnight gray) LM/MR171-AA bracket+hinge+screw			1
58	N/A	M155234008401	SCREW PWΦ4.0*L8mm NICKEL			3
59	N/A	M701900LM0140-K	Hinge SPCC WITH NICKEL LM/MR171-AAA FRONT 5° REAR 20° REV:C			1
60	N/A	P711A997LM010-A	Bracket ABS HB GRAY INJECTION LM/MR171-AA REV:0			1
61	C-00006583	XLM171A280003	BASE ASSY(midnight gray) LM/MR171-AA BASE+RUBBER			1
62	N/A	P612012010001	RUBBER FOOT ROUND Φ12*T2mm BLACK			6
63	N/A	P74AA997LM011-A	BASE ABS HB GRAY INJECTION LM/MR171-AA REV:1			1
64	N/A	XLM171A380001	SHIELD ASSY LM/MR171-AAA SHIELD+MYLAR			1
65	N/A	M711200LM0130-A	SHIELD SPTE LM/MR171-AAA REV:			1
66	N/A	P369579010001	MYLAR L95*W79.5*T0.1mm WHITH ADHESIVE			1
67	B-00006501	XLM191A040002	MAIN BOARD ASSY LM/MR191-AA			1
68	N/A	A01F241615A21	IC EEPROM AT24C16 2500ns ATMEL SOIC-8 2K*8 (SMD)			1
69	N/A	A03D111703G03	IC LINEAR IC VOLTAGE REGULATOR GL1117A-3.3 (INPUT4.8-12V OUTPUT 3.3V) SOT-223 GTM LeadFree (SMD)			1
70	N/A	A03D111703A54	IC LINEAR VOLTAGE REGULATOR AP1117E33A SOT-223 ANACHIP (SMD)			1
71	N/A	A07TV51202M02	IC MCU MTV512GMG 64K MYSON LQFP-48P Lead Free (SMD)			1
72	N/A	A08D2023R2001	IC ASIC/SCALER RTD2023L PLCC-48P REALTEK Lead Free(SMD)			1
73	N/A	BLM19VAM10114	BARE PCB LM/MR19V-AAAD MAIN BOARD 2SIDES FR-4 T1.6mm REV:1.4			1
74	N/A	C02205003C111	CAP MLCC NPO 5pF 50V ±0.25%(C) 0603 TAPPING (SMD)			3
75	N/A	C02210003J111	CAP MLCC NPO 10pF 50V ±5%(J) 0603 TAPPING (SMD)			2
76	N/A	C02212003J111	CAP MLCC /NPO 12PF 50V ±5%(J) 0603 TAPPING (SMD)			1
77	N/A	C02222003J111	CAP MLCC /NPO 22PF 50V ±5%(J) 0603 TAPPING (SMD)			3
78	N/A	C02310501K111	CAP MLCC X5R 1uF 16V ±10%(K) 0603 TAPPING (SMD)			1
79	N/A	C02410302K111	CAP MLCC X7R 10nF/25V ±10%(K) 0603 TAPPING (SMD)			1
80	N/A	C02410403K111	CAP MLCC X7R 0.1uF/50V ±10%(K) 0603 TAPPING(SMD)			30
81	N/A	C02447302K111	CAP MLCC/ X7R 0.047uF /25V ±10%(K) 0603 TAPPING(SMD)			6
82	N/A	C02447401K111	CAP MLCC X7R 470nF 16V ±10%(K) 0603 TAPPING lead free (SMD)			1
83	N/A	C4021006M2431	CAP EC(S)-40-105°C 10uF 25V ±20%(M) Φ5×H7mm P=2.5mm (DIP)			2

Item	ViewSonic P/N	Ref. P/N	Description	Location	Universal number#	Q'ty
84	N/A	C4021014M2222	CAP EC(S) -40~105°C 100uF 16V ±20% (M) Φ5×H11mmP=2.0mm (DIP)			5
85	N/A	C4022204M2322	CAP EC -40~105°C 22UF/16V ±20%(M) § 5*H5MM P=2.0MM (DIP)			2
86	N/A	C4024704M2422	CAP EC -40° ~105°C 47UF/16V ±20% (M) § 5*H7MM P=2.0MM (DIP)			1
87	N/A	D00BAV9905G01	DIODE BAV99 SOT-23 GTM (SMD)			3
88	N/A	D00L414803Y11	DIODE LL4148 SOD-123 YING SMD			4
89	N/A	D01ZT52C03K01	ZENER BZT52C SOD-123KINGWELL 5.6V (SMD)			6
90	N/A	J4507270155B1	D-SUB H/D,15PIN,VGA PC99(LIGHT BLUE)DIP 90° 3 ROW,1285-15S-004-98C-01,TEKCON			1
91	N/A	J4509100102H1	FFC CONNECTOR P=1mm 10PIN 90° CF16061D0T0 HANQUAN (DIP)			1
92	N/A	J4509100306H1	FFC CONN .30 PIN,1.0,DIP 180° 1 ROW,Cvilux 16301V0T0 or compatible			1
93	N/A	L012700201111	BEAD CHOKE Ferrite(generalcircuit) DDY160808U121MB70Ω 200mA 0603(1608) TAPING FORD GLORY LEAD FREE (SMD)			3
94	N/A	L013121302A11	CHIP BEAD Ferrite Chip Beads (high current) WB201209B601QLT02 120Ω 3000mA 1206 Walsin (SMD)			5
95	N/A	Q441240047151	CRYSTAL QUARTZ 24MHZ 30PPM 20PF 49US CRE (DIP)			2
96	N/A	R070000J10311	RES CHIP 0Ω ±5%(J) 1/10W 0805 TAPPING (SMD)(Y180320000J0)			2
97	N/A	R070000J20111	05: RESISTOR.RES CHIP 0Ω ±5%(J).1/8W 0603 TAPPING (SMD).....			7
98	N/A	R070331J10111	RES CHIP 330Ω ±5%(J) 1/10W 0603 TAPPING (SMD)			2
99	N/A	R070470J10111	RESISTOR.RES CHIP 47Ω ±5%(J) 1/10W.0603 TAPPING(SMD)			3
100	N/A	R070750J10111	RESISTOR.RES CHIP 75Ω ±5%(J) 1/10W.0603 TAPPING(SMD).....			3
101	N/A	R071000J10111	RES CHIP 100Ω ±5%(J) 1/10W 0603 TAPPING (SMD)			1
102	N/A	R071001J20111	05: RESISTOR.RES CHIP 1KΩ ±5%(J) 1/8W.0603 TAPPING (SMD).....			5
103	N/A	R071002J20111	05: RESISTOR.RES CHIP 10KΩ ±5%(J) 1/8W.0603 TAPPING(SMD).....			3
104	N/A	R071003J10111	RES CHIP 100KΩ ±5%(J) 1/10W 0603 TAPPING (SMD)			2
105	N/A	R071004J30111	RES CHIP 1MΩ ±5%(J) 1/16W 0603 TAPPING (SMD)			1
106	N/A	R071502F30111	RES CHIP 15KΩ ±1%(F) 1/16W 0603 TAPPING (SMD)			2
107	N/A	R072001J30111	RES CHIP 2KΩ ±5%(J) 1/16W 0603 TAPPING (SMD)(Y180222001J0)			3
108	N/A	R072200J20111	05: RESISTOR.RES CHIP 220Ω ±5%(J) 1/8W.0603 TAPPING(SMD).....			8
109	N/A	R073002J10111	05: RESISTOR.RES CHIP 30KΩ ±5%(J) 1/10W.0603 TAPPING (SMD).....			1
110	N/A	R074701J20111	RESISTOR.RES CHIP 4.7KΩ ±5%(J) 1/8W.0603 TAPPING(SMD).....			9
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	Y64115HB06*1	CONNECTOR180°C 2mm 16PIN			1
117	B-00006502	XLM191A050001	KEY BOARD ASSY LM/MR191-AAA			1
118	N/A	BLM191AB10113	BARE PCB LM/MR191-AAA BUTTON BOARD 1SIDE FR-1 T1.6mm REV:1.3			1
119	N/A	D462102211201	LED,Φ3.0x5.3 mm P=2.54 YELLOW/GREEN (DIP)			1
120	N/A	J4509100102H1	FFC CONNECTOR P=1mm 10PIN 90° CF16061D0T0 HANQUAN (DIP)			1
121	N/A	P764P295LM010	SWITCH PA66 BLACK LCD MONITOR SERIES REV:0			5

BOM LIST (VA703m-4) "SVA Panel"

ViewSonic Model Number: VS11366

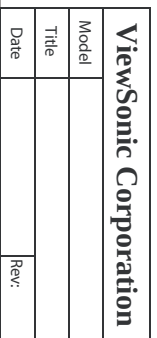
Rev: 1b

Serial No. Prefix: QAP

Item	ViewSonic P/N	Ref. P/N	Description	Location	Universal number#	Q'ty
1	N/A	E015-006-W	(10mm*14mm) Bird logo			1
2	N/A	E015-016-1-W	VIEWSONIC AL 38MM			1
3	N/A	E231080150009	SPEAKER 3717CP15 OBLONG 8Ω1.5W R/L450mm L37*W17*H9mmY&G LEAD FREE			1
4	N/A	E34S22170S001	LCD MODULE SVA170SX01TB 1280×1024[5X] 17" LVDS SVA-NEC LEAD FREE			1
5	N/A	F0004191AK001	Quick Install ManualLM/MR19I-AAA L190*W127mm for viewsoni			1
6	N/A	F0010171A3001	base attachment procedureLM/MR17I-AAA ENGLISHL190*W127mm for viewsonicVA703 REV:0			1
7	N/A	F001217043001	USER'S GUIDE LM/LM1704 ENGLISH L210*W148mm for Viewsonic REV:0			1
8	N/A	F101415170401	MARK LM/LM1704L11*W11mm energy star			1
9	N/A	F102506171A06	Safety Label LM/MR17I-AAA L89.5*W49.5mmfor viewson (VA703m) SV/			1
10	N/A	F103015170401	Blank Label LM/LM1704 L50*W25mmBlank Label			1
11	DC-00008065	F103015171A01	Blank Label LM/MR17I-AAA L36*W9mm forviewsonic chin			1
12	N/A	F103915170401	CARTON LABEL(UPC) LM/LM1704L76*W76mm FOR VIEWSONIC			1
13	N/A	F103915171A01	CARTON LABEL LM/MR17I-AAA L89*W58mm forviewsonic 8m			1
14	N/A	F104515170401	RATING LABEL LM/LM1704 L7*W7mm for Viewsonic			1
15	P-00006584	F20133171A002	POLYETHYLENE-L EPSLM/MR17I-AAA L133*W139*H460mm			1
16	P-00006585	F20143171A002	POLYETHYLENE-R EPSLM/MR17I-AAA L133*W139*H460mm			1
17	P-00006586	F300250000070	PLASTIC BAG PEL610*W510*T0.04mm			1
18	P-00006591	F400714171A01	CARTON K=K LM/MR17I-AAAAL295*W148*H485mm			0.056
19	P-00008122	F4007K4171A02	CARTON K4K MR17I-AAAAL440*W147*H485mm forviewsonic VA703m REV:0			1
20	N/A	F401918171A04	PAPER COVER LM/MR17I-AAA L1181*W1034*H80mm			0.028
21	N/A	F50206171A003	PALLET GLUE LM/MR17I-AAAAL1181*W1034*H120mm			0.014
22	N/A	F801190000019	CD MANUAL FOR VIEWSONIC			1
23	N/A	F900181000001	PE LIMPID W500*T0.03mm1500m/roll PACKTHREAD PP WHITE			0.000156
24	N/A	F9008G2000002	PACKTHREAD PP WHITE W14.5mm*T0.8mm 1300m/rol			0.000275
25	N/A	M101082807401	screw copper H(L5mm) Φ2.8*L7mm with nickle			2
26	N/A	M105243005401	SCREW MACHINE (Binding) Φ3.0mm L5mm NICKEL			15
27	N/A	M105243006401	MACHINE SCREW Binding Φ3.0*L6mm NICKEL			2
28	N/A	M105244006401	screw Binding Φ4.0*L6mmwith nickel (with washer			1
29	N/A	M108224008401	MACHINE SCREW Φ4.0*L8mm NICKEL			4
30	N/A	M115233008401	SCREW TA PW Φ3.0*L8.0mm NICKEL Washer(Φ10.0mm)			2
31	N/A	M621700LM0360-A	Main Bracket SECC LM/MR17I-AAA REV:0			1
32	N/A	M627700LM0240-E	Holder SECC LM/MR17I-AAA L114*W29.6*H6.0*T1.5mm REV:0			1
33	N/A	P36AKAF010001	MYLAR L350 X W290 X T0.12mm			1
34	N/A	P392411A00001	SPEAKER SPONGEL24.5*W11*T10mm L/R25° (VA703)			4
35	N/A	P440700450001	RUBBER CUSHION Φ7.0*H4.5mm BLACK			4
36	N/A	P705A995LM022-A	Back Cover ABS HB BLACK INJECTO LM/MR17I-AAA REV:2			1
37	N/A	V300800000001	GLUE 50g/BOTTLE			0.01
38	N/A	V5004AP150201	ADHESIVE TAPE L25000*W15*T0.25mm 25m/ROLL(YW0910300002)			0.012
39	N/A	V5005AS080101	ADHESIVE TAPE L50000*W8*T0.1mm			0.006
40	N/A	V5011A5150101	ADHESIVE TAPE L50000*W15mm*T0.1mm			0.003
41	N/A	V501275024801	ADHESIVE TAPE L75m*W48*T 0.045mm FOR VIEWSONIC			0.006
42	N/A	V900505020003	AL FOIL L50×W30×T0.10mm AL L100xW40xT0.07mm			
43	N/A	V900505030001	AL FOIL L100xW40xT0.07mm			1
44	N/A	V900505030007	AL FOILL100xW30*T0.35mm(Y78400004G*1)			3
45	CB-00005758	W0026918A0142	AUDIO CABIE 26AWG UL2547L=1800mm 6C BLACK(N65B80-1800)			1
46	CB-00006504	W0926418AQ951	VGA CABLE 30AWG UL20276L1800mm 15PIN BLACK			1
47	A-00008026	W402091809531	AC POWER CORD UL RVV300/500V 3G S0.75mm2 L180cmBLACK YISHENG			1
48	CB-00006506	W47A103015001	FFC WIRE CY050408001 P=1.0mm 30PIN L150mmHUNG FU			1
49	N/A	W47B101030001	FFCWIRE FFCC0605T2350EC P=1.0mm 10PIN L300mm HANQUAN			1
50	B-00008053	XLM1700390015-SF	POWER BOARD+INVERTER BOARD ASSY PI-SB03 24V+5V LM/17"/19" LCD MONITOR FOR VIEWSONIC REV:1(PHIHONG)			1
51	N/A	XLM1700390015-SH	POWER BOARD+INVERTER BOARD ASSY PI-SB03 24V+5V LM/17"/19" LCD MONITOR FOR VIEWSONIC REV:1(UMEC)			
52	N/A	XLM1700390015-SD	POWER BOARD+INVERTER BOARD ASSY PI-SB03 24V+5V LM/17"/19"LCD MONITOR FOR VIEWSONIC REV:1(DARFON)			
53	C-00008130	XLM171A100003	BEZEL ASSY LM/MR17I-AAA BEZEL+BUTTON SILVER			1
54	N/A	P727A998LM010-H	BEZEL ABS HB SILVER PRINT LM/MR17I-AAAREV:0			1
55	PL-00006589	P763P398LM020-B	FUNCTION BUTTON PC SILVER LM/MR17I-AAA REV:0			1
56	C-00008131	XLM171A110005	HOUSING ASSY LM/MR17I-AAA BLACK RGB+AUDIO REV:2			1
57	N/A	M410810130001	VASA BKT T=0.8mm SECC			4
58	N/A	P728A995LM121-A	HOUSING ABS HB BLACK INJECTION LM/MR17I-AAARGB+AUDIO REV:1			1
59	N/A	V300800000001	GLUE 50g/BOTTLE(-60° C~+200° C)			0.01
60	N/A	XLM171A200003	BRACKET ASSY LM/MR17I-AAAbracket+hinge bkt+screwBLACK			1
61	N/A	M155234008401	SCREW PWΦ4.0*L8mm NICKEL			3
62	N/A	M701900LM0140-K	Hinge SPCC WITH NICKEL LM/MR17I-AAA FRONT 5° REAR 20° REV:0			1
63	N/A	P711A995LM030-A	Bracket ABS HB BLACK INJECTION LM/MR17I-AAA REV:0			1
64	C-00008090	XLM171A280002	BASE ASSY LM/MR17I-AAA BASE+RUBBER BLACK			1
65	N/A	P612012010001	RUBBER FOOT ROUND Φ12*T2mm BLACK			6
66	N/A	P74AA995LM101-A	BASE ABS HB BLACK INJECTION LM/MR17I-AAA REV:1			1
67	N/A	XLM171A380001	SHIELD ASSY LM/MR17I-AAA SHIELD+MYLAR			1
68	N/A	M711200LM0130-A	SHIELD SPTE LM/MR17I-AAA REV:			1
69	N/A	P369579010001	MYLAR L95*W79.5*T0.1mmWHITH ADHESIVE			1
70	N/A	XLM191A040001	MAIN BOARD ASSY LM/MR19I-AAA			1
71	N/A	A01F241615A21	IC EEPROM AT24C16 2500nsATMEL SOIC-8 2K*8 (SMD)			1
72	N/A	A03D111703G03	IC LINEAR IC VOLTAGEREGULATOR GL1117A-3.3(INPUT 4.8~12V OUTPUT 3.3V)			1
73	N/A	A03D111703A54	IC LINEAR VOLTAGE REGULATORAP1117E33A SOT-223 ANACHIP(SMD)			1
74	N/A	A07TV51202M02	IC MCU MTV512GMG 64K MYSONLQFP-48P Lead Free (SMD)			1
75	N/A	A08D2023R2001	IC ASIC/SCALER RTD2023LPLCC-48P REALTEK Lead Free(SMD)			1
76	N/A	A43H206506A01	LINEAR IC POWER AMPLIFIERwith Volume controlIPA2065J 2W DIP-16PIN ANPEC(DIP)			1
77	N/A	BLM19VAM10114	BARE PCB LM/MR19V-AAAD MAINBOARD 2SIDES FR-4 T1.6mmREV:1.4			1
78	N/A	C02205003C111	CAP MLCC NPO 5pF 50V±0.25%(C) 0603 TAPPING(SMD)			3
79	N/A	C02210003J111	CAP MLCC NPO 10pF 50V ±5%0603 TAPPING (SMD)			2
80	N/A	C02212003J111	CAP MLCC /NPO 12pF 50V±5%(J) 0603 TAPPING (SMD)			1
81	N/A	C02222003J111	CAP MLCC /NPO 22pF 50V±5%(J) 0603 TAPPING (SMD)			3
82	N/A	C02310501K111	CAP MLCC X5R 1uF 16V ±10%(K) 0603 TAPING (SMD)			3

Item	ViewSonic P/N	Ref. P/N	Description	Location	Universal number#	Q'ty
83	N/A	C02410302K111	CAP MLCC X7R 10nF/25V±10%(K) 0603TAPPING (SMD)			1
84	N/A	C02410403K111	CAP MLCC X7R 0.1uF/50V±10%(K) 0603 TAPPING(SMD)			33
85	N/A	C02447302K111	CAP MLCC/ X7R 0.047uF /25V±10%(K) 0603 TAPPING(SMD)			6
86	N/A	C02447401K111	CAP MLCC X7R 470nF 16V±10%(K) 0603 TAPING leadfree (SMD)			1
87	N/A	C4021006M2431	CAP EC(S) -40~105℃ 10uF25V ±20% (M) Φ5×H7mmP=2.5mm (DIP)			3
88	N/A	C4021014M2222	CAP EC(S) -40~105℃ 100uF16V ±20% (M) Φ5×H11mmP=2.0mm (DIP)			5
89	N/A	C4022204M2322	CAP EC -40~105℃ 22uF/16V±20%(M) § 5*H5MM P=2.0MM(DIP)			2
90	N/A	C4022214M3032	CAP EC -40~105℃ 220uF /16V±20% (M) Φ6.3×H11mm P=2.(DIP)			1
91	N/A	C4022296M2122	CAP EC -40℃~105℃2.2uF/25V ±20%(M) ¼4*H5mmP=2.0mm (DIP)			1
92	N/A	C4024704M2422	CAP EC -40° ~105℃ 47uF/16V±20% (M) § 5*H7MM P=2.0MM(DIP)			1
93	N/A	D00BAV9905G01	DIODE BAV99 SOT-23 GTM(SMD)DIODE LL4148 SOD-123 YING			3
94	N/A	D00L414803Y11	DIODE LL4148 SOD-123 YING SMD			4
95	N/A	D01ZT52C03K01	ZENER BZT52C SOD-123KINGWELL 5.6V (SMD)			6
96	N/A	J41070515T201	Ear-Phone JACK,5 PIN,DIP90°,LIME GREEN,TekconD-SUB H/D,15PIN,VGA			1
97	N/A	J4507270155B1	D-SUB H/D,15PIN,VGAPC99(LIGHT BLUE)DIP 90°,3ROW,1285-15S-004-98C-			1
98	N/A	J4509100102H1	FFC CONNECTOR P=1mm 10PIN 90° CF16061D0T0 HANQUAN (DIP)			1
99	N/A	J4509100306H1	FFC CONN_30 PIN,1.0,DIP180°,1 ROW,Cvilux 16301V0Tor compatible			1
100	N/A	L012121201113	BEAD CHOKEFerrite(generalcircuit)DDY160808U121MB 120Ω 200mA0603 TAPING DUNWANG LEAD FREE(SMD)			8
101	N/A	L012700201111	BEAD CHOKEFerrite(generalcircuit)DDY160808U121MB 70Ω 200mA0603(1608)TAPING PORDGLORY LEAD FREE(SMD)			3
102	N/A	L013121302A11	CHIP BEAD Ferrite ChipBeads (high current)WB201209B601QLT02 120Ω3000mA 1206 TAPING Walsion(SMD)			5
103	N/A	Q441240047151	CRYSTAL QUARTZ 24MHZ30PPM 20PF 49US CRE (DIP)			2
104	N/A	R070000110311	RES CHIP 0Ω ±5%(J) 1/10W0805 TAPPING(SMD)(Y180320000J0)			
105	N/A	R070000210111	05: RESISTOR.RES CHIP 0Ω±5%(J) 1/8W 0603 TAPPING(SMD).....			7
106	N/A	R070159J50511	RES CHIP 1.5Ω ±5%(J) 1/4W1206 TAPING LEAD FREE (SMD)			
107	N/A	R070331J10111	RES CHIP 330Ω ±5%(J) 1/100603 TAPPING (SMD)			
108	N/A	R070470J10111	RESISTOR.RES CHIP 47Ω±5%(J) 1/10W.0603 TAPPING(SMD)			3
109	N/A	R070750J10111	RESISTOR.RES CHIP 75Ω±5%(J) 1/10W.0603 TAPPING(SMD).....			3
110	N/A	R071000J10111	RES CHIP 100Ω ±5%(J) 1/100603 TAPPING (SMD)			1
111	N/A	R071001J20111	05: RESISTOR.RES CHIP 1KΩ±5%(J) 1/8W.0603 TAPPING(SMD).....			5
112	N/A	R071002J20111	05: RESISTOR.RES CHIP 10KΩ±5%(J) 1/8W.0603TAPPING(SMD).....			5
113	N/A	R071003J10111	RES CHIP 100KΩ ±5%(J) 1/10603 TAPPING (SMD)			
114	N/A	R071004J30111	RES CHIP 1MΩ ±5%(J) 1/16W0603 TAPPING (SMD)			
115	N/A	R071502F30111	RES CHIP 15KΩ ±1%(F) 1/160603 TAPPING (SMD)			
116	N/A	R072001J30111	RES CHIP 2KΩ ±5%(J) 1/16W0603 TAPPING (SMD)(Y180222001J0)			
117	N/A	R072200J20111	05: RESISTOR.RES CHIP 220Ω±5%(J) 1/8W.0603TAPPING(SMD).....			8
118	N/A	R073002J10111	05: RESISTOR.RES CHIP 30KΩ±5%(J) 1/10W.0603 TAPPING(SMD).....			1
119	N/A	R074701J20111	RESISTOR.RES CHIP 4.7KΩ±5%(J) 1/8W.0603TAPPING(SMD).....			9
120	N/A	R074702J20111	05: RESISTOR.RES CHIP 47KΩ±5%(J) 1/8W.0603 TAPPING(SMD).....			2
121	N/A	R076801J10111	RES CHIP 6.8KΩ ±5%(J) 1/10W 0603 TAPPING (SMD)			
122	N/A	R144701J20112	RES ARRAY 4.7KΩ ±5%(J)1/10W 8P4R 3216 TAPPING(SMD)			
123	N/A	T00T390402G01	TR GMBT3904 SOT-23 GTM (SMD)			3
124	N/A	T00T390602G01	TR GMBT3906 SOT-23 GTM (SMD)			6
125	N/A	T01A340102A21	XSTR AO3401/ST3401, SOT-23;3 , Alpha & Omega/ST			1
126	N/A	Y64115HB04*1	CONNECTOR M 180°/2.0mm 1ROW 4PIN			1
127	N/A	Y64115HB06*1	CONNECTOR180° 2mm 16PIN			1
128	B-00006502	XLM191A050001	KEY BOARD ASSY LM/MR191-AAA			1
129	N/A	BLM191AB10113	BARE PCB LM/MR191-AAABUTTON BOARD 1SIDE FR-1T1.6mm REV:1.3			1
130	N/A	D462102211201	LED,Φ3.0x5.3 mm P=2.54 YELLOW/GREEN (DIP)			1
131	N/A	J4509100102H1	FFC CONNECTOR P=1mm 10PIN 90° CF16061D0T0 HANQUAN (DIP)			1
132	N/A	P764P295LM010	SWITCH PA66 BLACK LCD MONITOR SERIES REV:0			5

VA703b-4 Exploded diagram



EXPLODED PARTS LIST (VA703b-4)

ViewSonic Model Number: VS11366

Rev: 1a

Item	ViewSonic P/N	Ref. P/N	Description	Q'ty
1	N/A	E015-006-W	(10mm*14mm) Bird logo	1
2	N/A	E015-016-1-W	VIEWSONIC38MM	1
3	N/A	P727A997LM030-C	BEZEL ABS HB GREY PRINT LM/MR17I-AA REV:0	1
4	N/A	P763P398LM020-B	FUNCTION BUTTON PC SILVER LM/MR17I-AAA REV:0	1
5	B-00006502	XLM191A050001	KEY BOARD ASSY LM/MR19I-AAA	1
6	N/A	M105243005401	SCREW MACHINE (Binding) Φ3.0mm L5mm NICKEL	13
7	N/A	E34M02170J001	LCD MODULE MT170EN01 1280×1024[SX] 17" LVDS INNOLUX	1
8	N/A	M115233008401	SCREW TA PW Φ3.0*L8.0mm NICKEL Washer(Φ10.0mm)	2
9	N/A	M621700LM0360-A	Main Bracket SECC LM/MR17I-AAA REV:0	1
10	B-00006501	XLM191A040002	MAIN BOARD ASSY LM/MR19I-AA	1
11	B-00006503	XLM1700390010	POWER BOARD+INVERTER BOARD ASSY PI-SB03 24V+5V LM/17"/19" LCD MONITOR FOR VIEWSONIC	1
12	N/A	M105244006401	SCREW BINDING Φ4.0*L6mm WITH NICKEL AD WASHER	1
13	N/A	P369579010001	SCREW BINDING Φ4.0*L6mm WITH NICKEL AD WASHER	1
14	N/A	M711200LM0130-A	SHIELD SPTE T=0.3mm LM/MR17I-AAA REV:	1
15	N/A	P612012010001	RUBBER FOOT ROUND Φ12*T2mm BLACK	6
16	N/A	P74AA997LM010-A	BASE ABS HB GRAY 射出成型 LM/MR17I-AA REV:0	1
17	N/A	P705A997LM030-A	Back Cover ABS HB GRAY LM/MR17I-AA REV:0	1
18	N/A	P711A997LM010-A	Bracket ABS HB GRAY LM/MR17I-AA REV:0	1
19	N/A	M108224008401	MACHINE SCREW Φ4.0*L8mm NICKEL	4
20	N/A	M701900LM0140-K	Hinge SPCC M/MR17I-AAA FRONT REAR	1
21	N/A	M155234008401	SCREW	3
22	N/A	P440700450002	RUBBER CUSHION Φ7.0*H4.5mm GRAY	4
23	N/A	M105243006401	MACHINE SCREW	2
24	N/A	P728A997LM020-A	HOUSING ABS HB GREY LM/MR17I-AA RGB ONLY REV:0	1
25	N/A	M627700LM0240-E	Holder SECC LM/MR17I-AAA L114*W29.6*H6.0*T1.5mm REV:0	1
26	N/A	M410810130001	VASA BKT T=0.8mm SECC	4

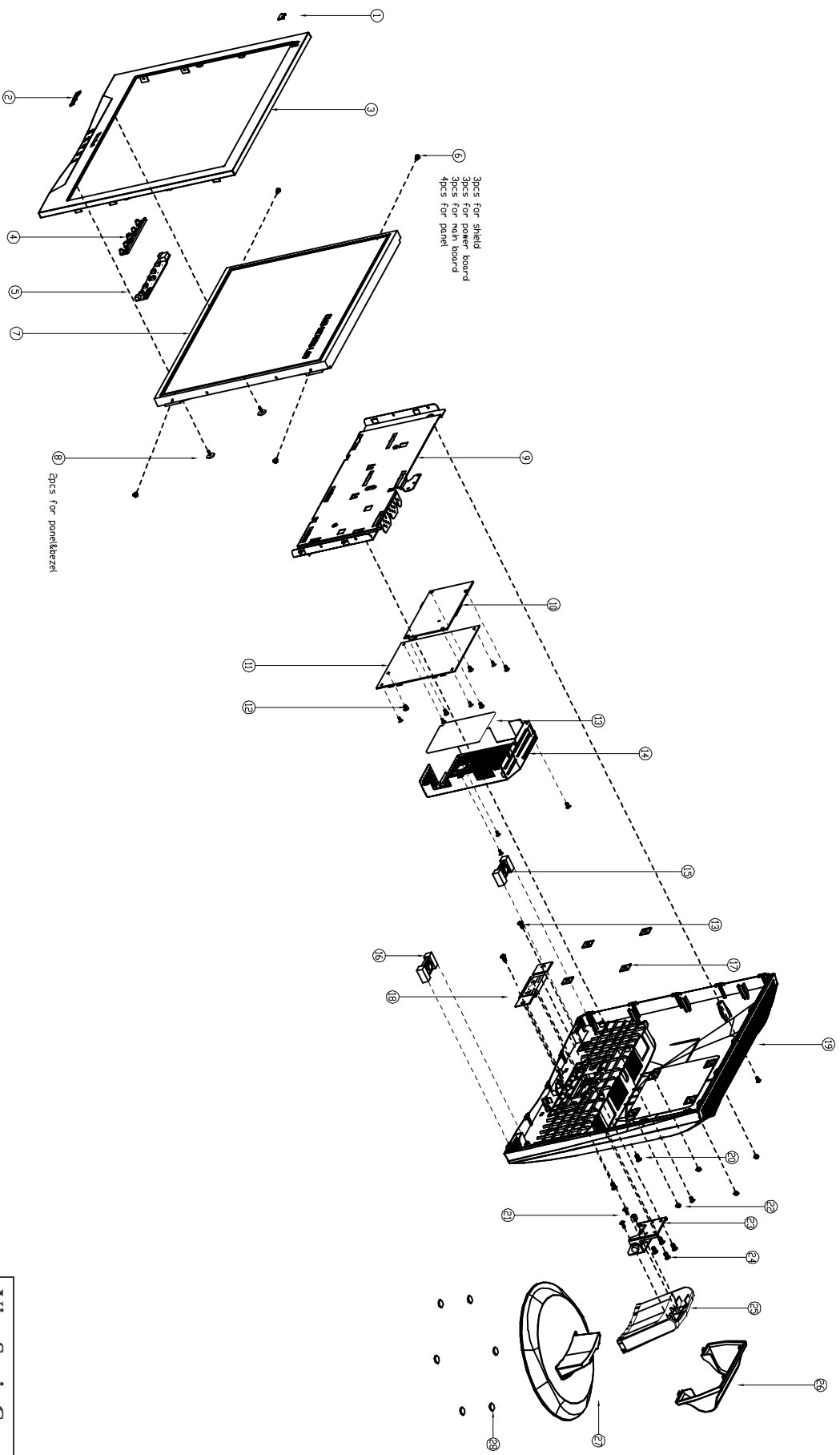
EXPLODED PARTS LIST (VA703b-4)

ViewSonic Model Number: VS11366

Rev: 1a

Item	ViewSonic P/N	Ref. P/N	Description	Q'ty
1	N/A	E015-006-W	(About 10mm*14mm) Bird logo	1
2	N/A	E015-016-1-W	VIEWSONIC AL foil 38MM	1
3	N/A	P727A997LM030-C	BEZEL ABS HB GREY 印刷 LM/MR17I-AA REV:0	1
4	N/A	P763P398LM020-B	FUNCTION BUTTON PC SILVER LM/MR17I-AAA REV:0	1
5	B-00006502	XLM191A050001	KEY BOARD ASSY LM/MR19I-AAA	1
6	N/A	M105243005401	SCREW MACHINE STD 十B Head(Binding) Φ3.0mm L5mm NICKEL	13
7	N/A	E34M02170J001	LCD MODULE MT170EN01 1280×1024[SX] 17" LVDS INNOLUX	1
8	N/A	M115233008401	SCREW TA PW Head Φ3.0*L8.0mm NICKEL Washer(Φ10.0mm)	2
9	N/A	M621700LM0360-A	Main Bracket SECC LM/MR17I-AAA REV:0	1
10	B-00006501	XLM191A040002	MAIN BOARD ASSY LM/MR19I-AA	1
11	B-00006503	XLM1700390010	POWER BOARD+INVERTER BOARD ASSY PI-SB03 24V+5V LM/17"/19" LCD MONITOR FOR VIEWSONIC	1
12	N/A	M105244006401	Maching Screw STD B Head Φ4.0*L6mm	1
13	N/A	P369579010001	MYLAR L95*W79.5*T0.1mm WHITH ADHESIVE	1
14	N/A	M711200LM0130-A	Sheild SPTE LM/MR17I-AAA REV:	1
15	N/A	M410810130001	VASA BKT T=0.8mm SECC	4
16	N/A	M627700LM0240-E	Holder SECC LM/MR17I-AAA L114*W29.6*H6.0*T1.5mm REV:0	1
17	N/A	P728A997LM020-A	HOUSING ABS HB GREY LM/MR17I-AA RGB ONLY REV:0	1
18	N/A	M105243006401	MACHINE SCREW	2
19	N/A	P440700450002	RUBBER CUSHION Φ7.0*H4.5mm GRAY	4
20	N/A	M155234008401	SCREW	3
21	N/A	M701900LM0140-K	Hinge SPCC M/MR17I-AAA FRONT REAR	1
22	N/A	M108224008401	MACHINE SCREW Φ4.0*L8mm NICKEL	4
23	N/A	P711A997LM010-A	Bracket ABS HB GRAY LM/MR17I-AA REV:0	1
24	N/A	P705A997LM030-A	Back Cover ABS HB GRAY LM/MR17I-AA REV:0	1
25	N/A	P74AA997LM010-A	BASE ABS HB GRAY LM/MR17I-AA REV:0	1
26	N/A	P612012010001	RUBBER FOOT ROUND Φ12*T2mm BLACK	6

VA703m-4 Exploded diagram



ViewSonic Corporation	
Model	
Title	
Date	Rev.

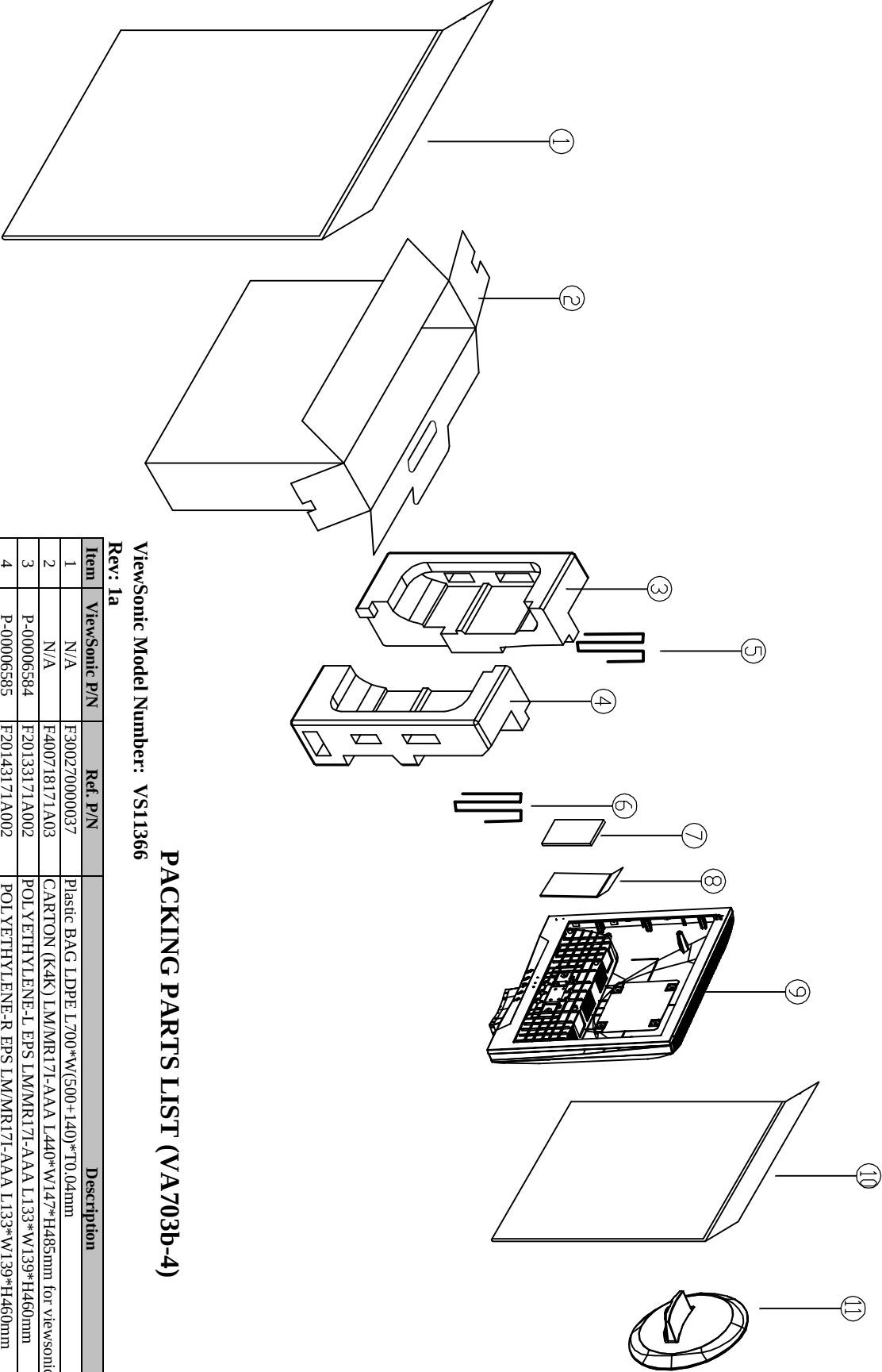
EXPLODED PARTS LIST (VA703m-4)

ViewSonic Model Number: VS11366

Rev: 1a

Item	ViewSonic P/N	Ref. P/N	Description	Q'ty
1	N/A	E015-006-W	(10mm*14mm) Bird logo	1
2	N/A	E015-016-1-W	VIEWSONIC 38MM	1
3	N/A	E231080150009	SPEAKER 3717CP15 OBLONG 8Ω 1.5W R/L450mm L37*W17*H9mm Y&G LEAD FREE	1
4	N/A	E34M02170J001	LCD MODULE MT170EN01 1280×1024[SX] 17" LVDS INNOLUX	1
5	N/A	M105243005401	SCREW MACHINE (Binding) Φ3.0mm L5mm NICKEL	13
6	N/A	M105243006401	MACHINE SCREW Bouding Φ3.0*L6mm NICKEL	2
7	N/A	M105244006401	SCREW BINDING Φ4.0*L6mm WITH NICKEL AD WASHER	1
8	N/A	M108224008401	MACHINE SCREW Φ4.0*L8mm NICKEL	4
9	N/A	M115233008401	SCREW TA PW Φ3.0*L8.0mm NICKEL Washer(Φ10.0mm)	2
10	N/A	M155234008401	SCREW Φ4.0*L8mm NICKEL WITH WASHER	3
11	N/A	M410810130001	Item	4
12	N/A	M621700LM0360-A	Main Bracket SECC LM/MR17I-AAA REV:0	1
13	N/A	M627800LM0010-G	Holder(hinge_bracket) SGCC T1.5mm LM/MR17I-AAA REV:0	1
14	N/A	M701900LM0140-K	Hinge SPCC WITH NICKEL LM/MR17I-AAA FRONT 5° REAR 20° REV:0	1
15	N/A	M711200LM0130-A	SHIELD SPTE T=0.3mm LM/MR17I-AAA REV:	1
16	N/A	P369579010001	MYLAR L95*W79.5*T0.1mm WHITH ADHESIVE	1
17	N/A	P392411A00001	SPEAKER SPONGE L24.5*W11*T10mm L/R (VA703)	4
18	N/A	P440700450001	RUBBER CUSHION Φ7.0*H4.5mm BLACK	4
19	N/A	P612012010001	RUBBER FOOT ROUND Φ12*T2mm BLACK	6
20	N/A	P705A995LM020-A	Back Cover ABS HB BLACK LM/MR17I-AAA REV:0	1
21	N/A	P711A995LM030-A	Bracket ABS HB BLACK LM/MR17I-AAA REV:0	1
22	N/A	P727A998LM010-H	BEZEL ABS HB SILVER LM/MR17I-AAA REV:0	1
23	N/A	P728A995LM120-A	HOUSING ABS HB BLACK LM/MR17I-AAA RGB+AUDIO REV:0	1
24	N/A	P74AA997LM010-A	BASE ABS HB GRAY LM/MR17I-AA REV:0	1
25	PL-00006589	P763P398LM020-B	FUNCTION BUTTON PC SILVER LM/MR17I-AAA REV:0	1
26	B-00006503	XLM1700390010	POWER BOARD+INVERTER BOARD ASSY PI-SB03 24V+5V LM/17"/19" LCD MONITOR FOR VIEWSONIC	1
27	B-00006501	XLM191A040002	MAIN BOARD ASSY LM/MR19I-AA	1
28	B-00006502	XLM191A050001	KEY BOARD ASSY LM/MR19I-AAA	1

VA703b-4 packing exploded diagram



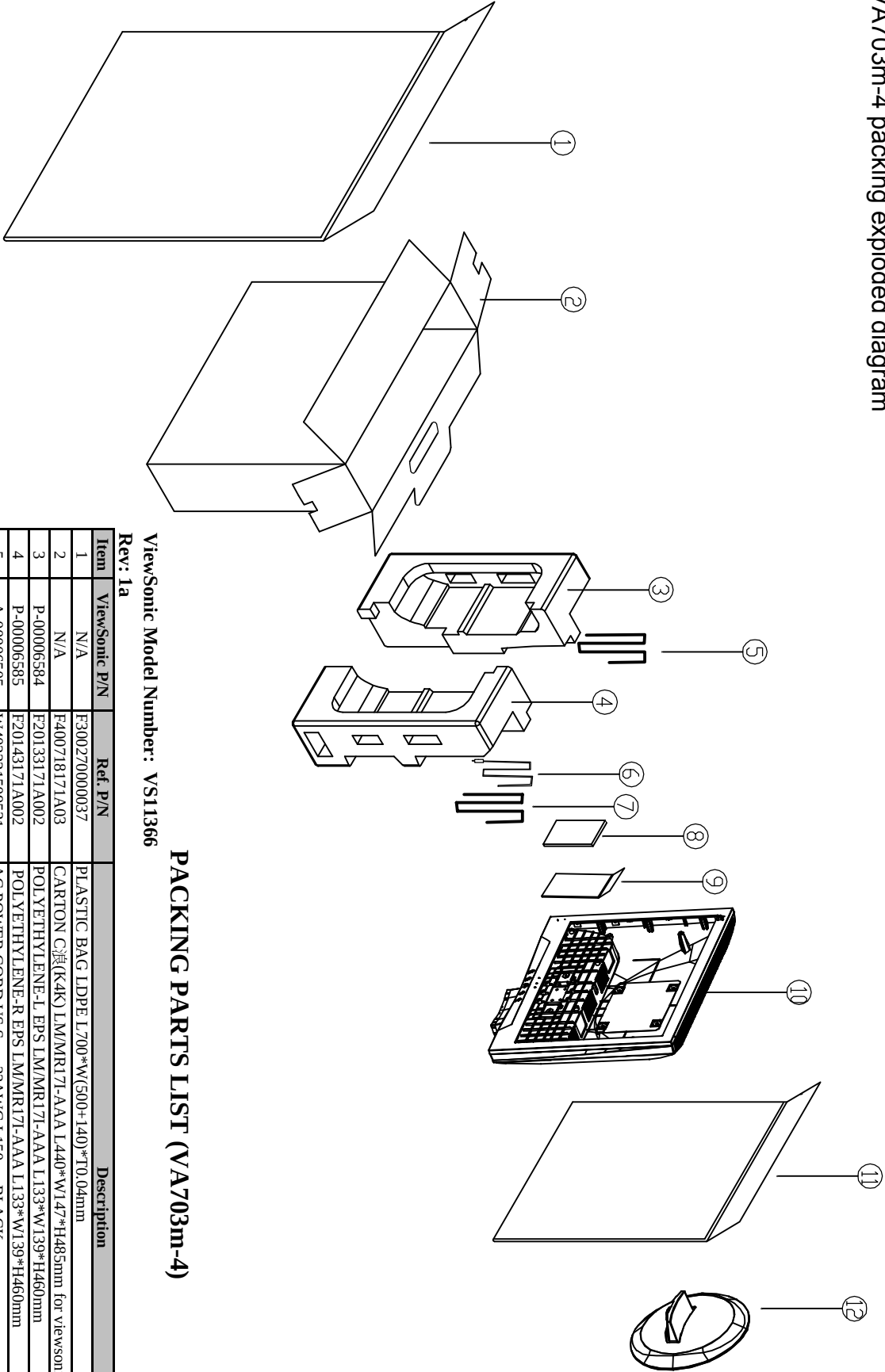
PACKING PARTS LIST (VA703b-4)

ViewSonic Model Number: VS11366

Rev: 1a

Item	ViewSonic P/N	Ref. P/N	Description	Qty
1	N/A	F300270000037	Plastic BAG LDPE L.700*W(500+140)*T0.04mm	1
2	N/A	F400718171A03	CARTON (K4K) LM/MR17I-AA L.440*W147*H485mm for viewsonic(VA703m)	1
3	P-00006584	F20133171A002	POLYETHYLENE-L EPS LM/MR17I-AA L.133*W139*H460mm	1
4	P-00006585	F20143171A002	POLYETHYLENE-R EPS LM/MR17I-AA L.133*W139*H460mm	1
5	A-00006505	W402221509531	AC POWER CORD US Spec 22AWG L150cm BLACK	1
6	CB-00006504	W0926418AQ951	VGA CABLE 30AWG UI.20276 L1800mm 15PIN Black	1
7	N/A	F801190000017	CD Manual LM/MR17I-AA VIEWSONIC VA703b INNOLUX REV:0	1
8	N/A	F300272501501	PLASTIC BAG LDPE L.250*W150*T0.08mm	1
9	N/A		Monitor Head Only	1
10	P-00006586	F300250000070	PLASTIC BAG PE L.610*W510*T0.04mm	1
11	C-00006583	XL.M171A.280003	BASE ASSY (midnight gray) LM/MR17I-AA BASE+RUBBER	1

VA703m-4 packing exploded diagram



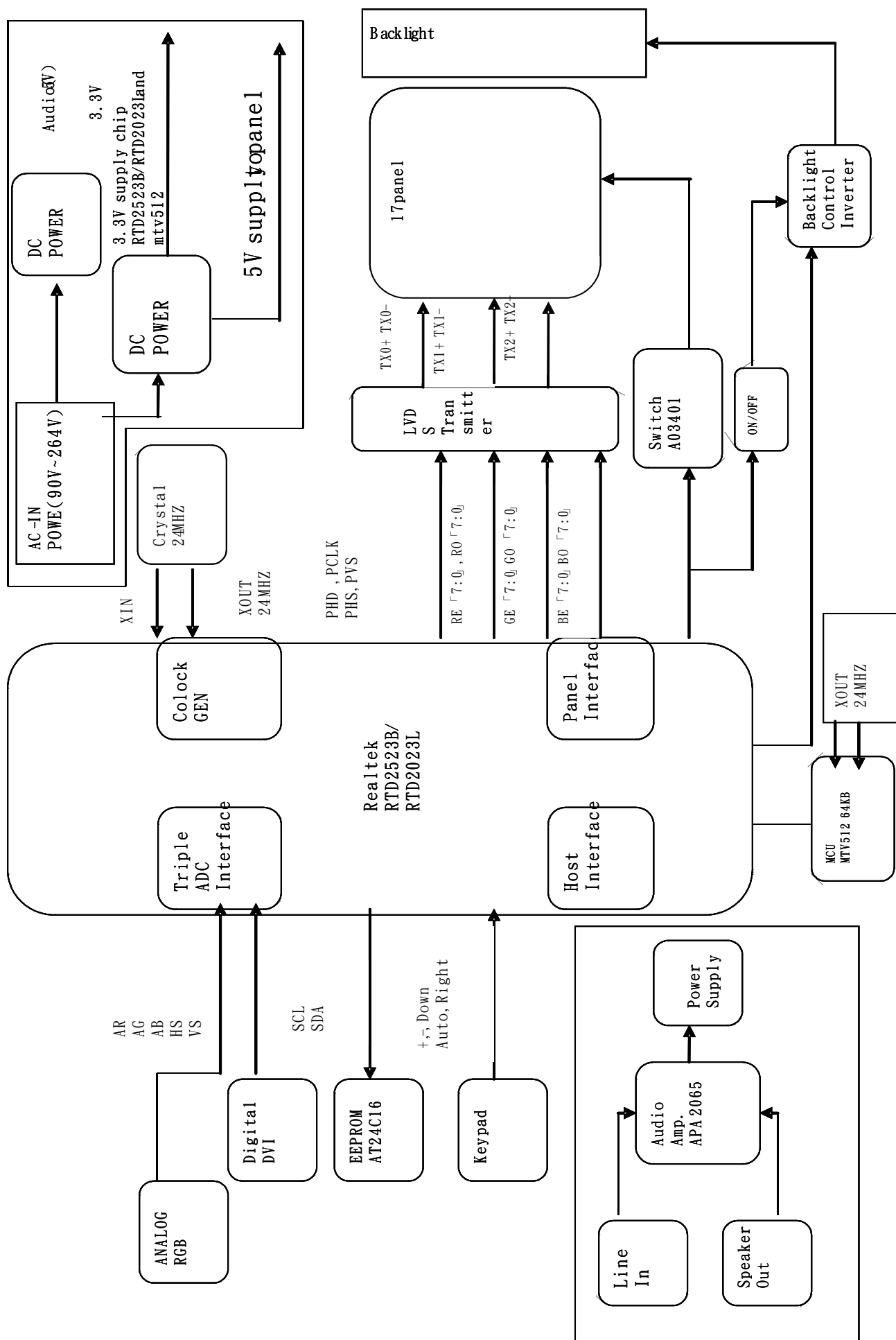
PACKING PARTS LIST (VA703m-4)

ViewSonic Model Number: VS11366

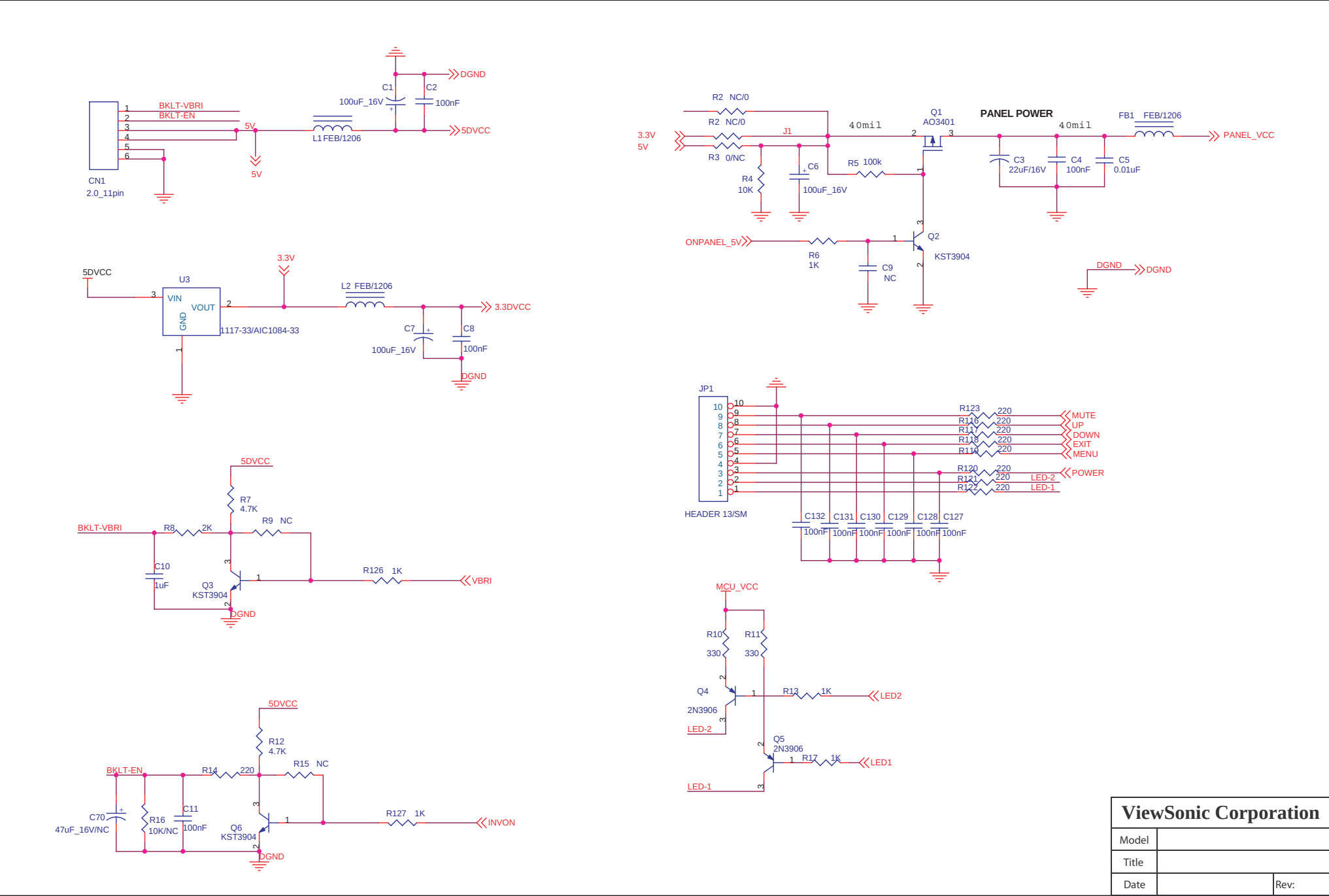
Rev: 1a

Item	ViewSonic P/N	Ref. P/N	Description	Qty
1	N/A	F300270000037	PLASTIC BAG LDPE L700*W(500+140)*T0.04mm	1
2	N/A	F400718171A03	CARTON C裃(K4K) LM/MR17L-AAA L440*W147*H485mm for viewsonic(VA703m)	1
3	P-00006584	F20133171A002	POLYETHYLENE-L EPS LM/MR17L-AAA L133*W139*H460mm	1
4	P-00006585	F20143171A002	POLYETHYLENE-R EPS LM/MR17L-AAA L133*W139*H460mm	1
5	A-00006505	W402221509531	AC POWER CORD US Spec 22AWG L150cm BL/ACK	1
6	CB-00005758	W0026918A0142	AUDIO CABLE 30AWG UL20276 L1800mm 15PIN Black	1
7	CB-00006504	W0926418AQ951	VGA CABLE 30AWG UL20276 L1800mm 15PIN Black	1
8	N/A	F801190000017	CD Manual LM/MR17L-AA VIEWSONIC VA703b INNOLUX REV:0	1
9	N/A	F300272501501	PLASTIC BAG LDPE L250*W150*T0.08mm	1
10	N/A		Monitor Head Only	1
11	P-00006586	F300250000070	Item	1
12	N/A	XLMT171A280002	BASE ASSY LM/MR17L-AAA BASE+RUBBER BL/ACK	1

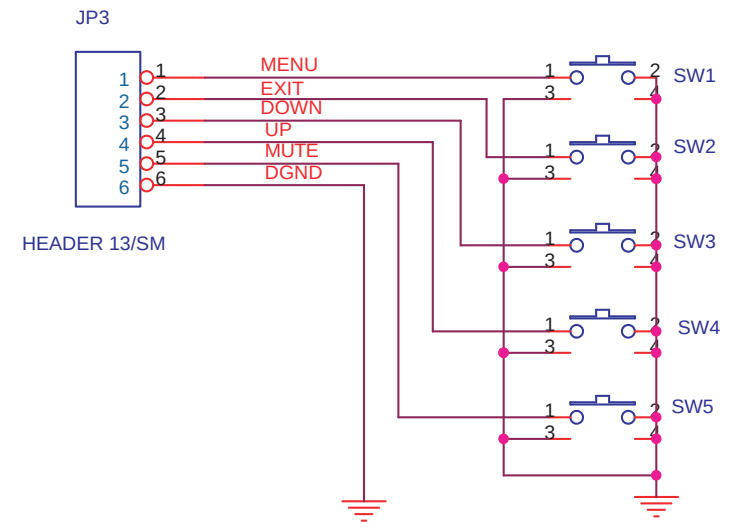
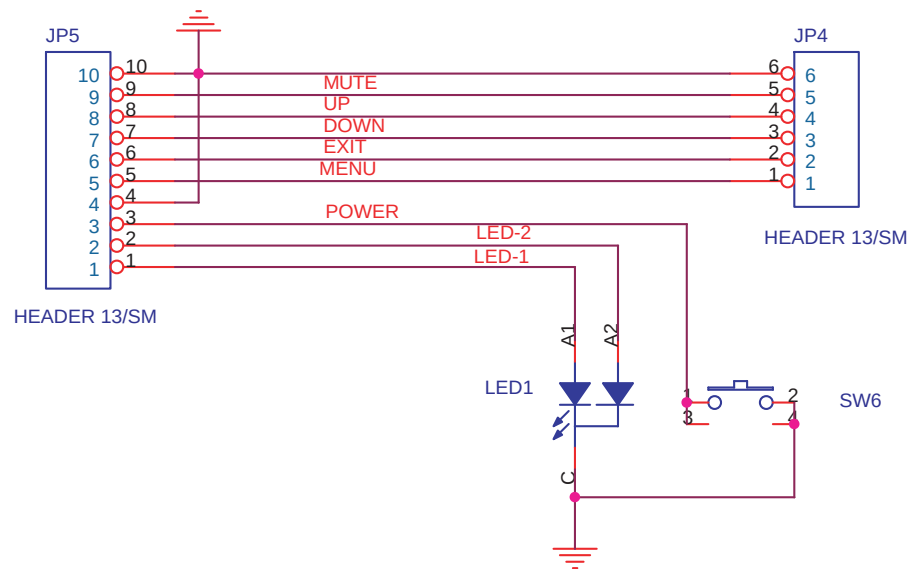
9. Block Diagram



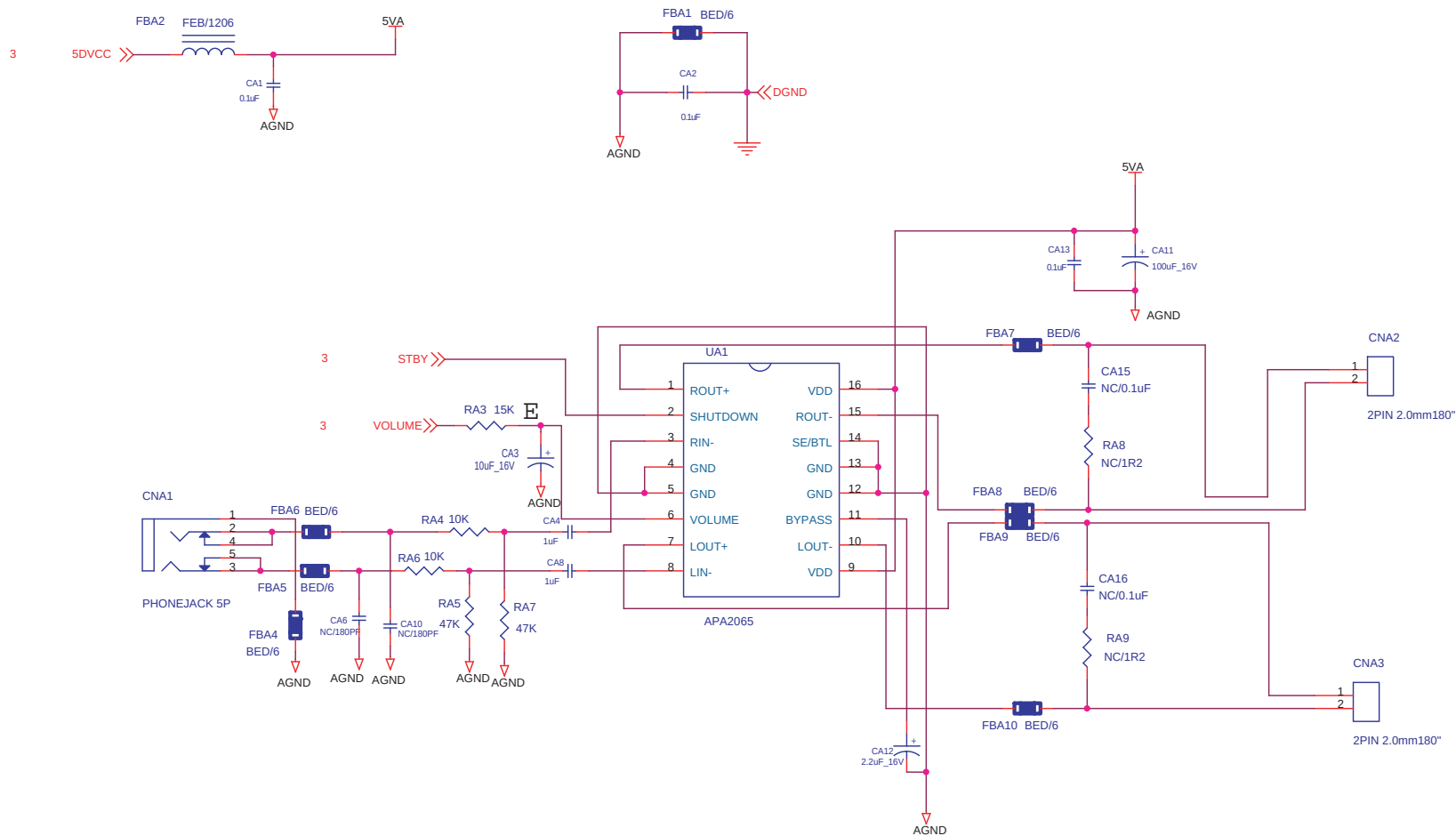
10. Schematic Diagrams



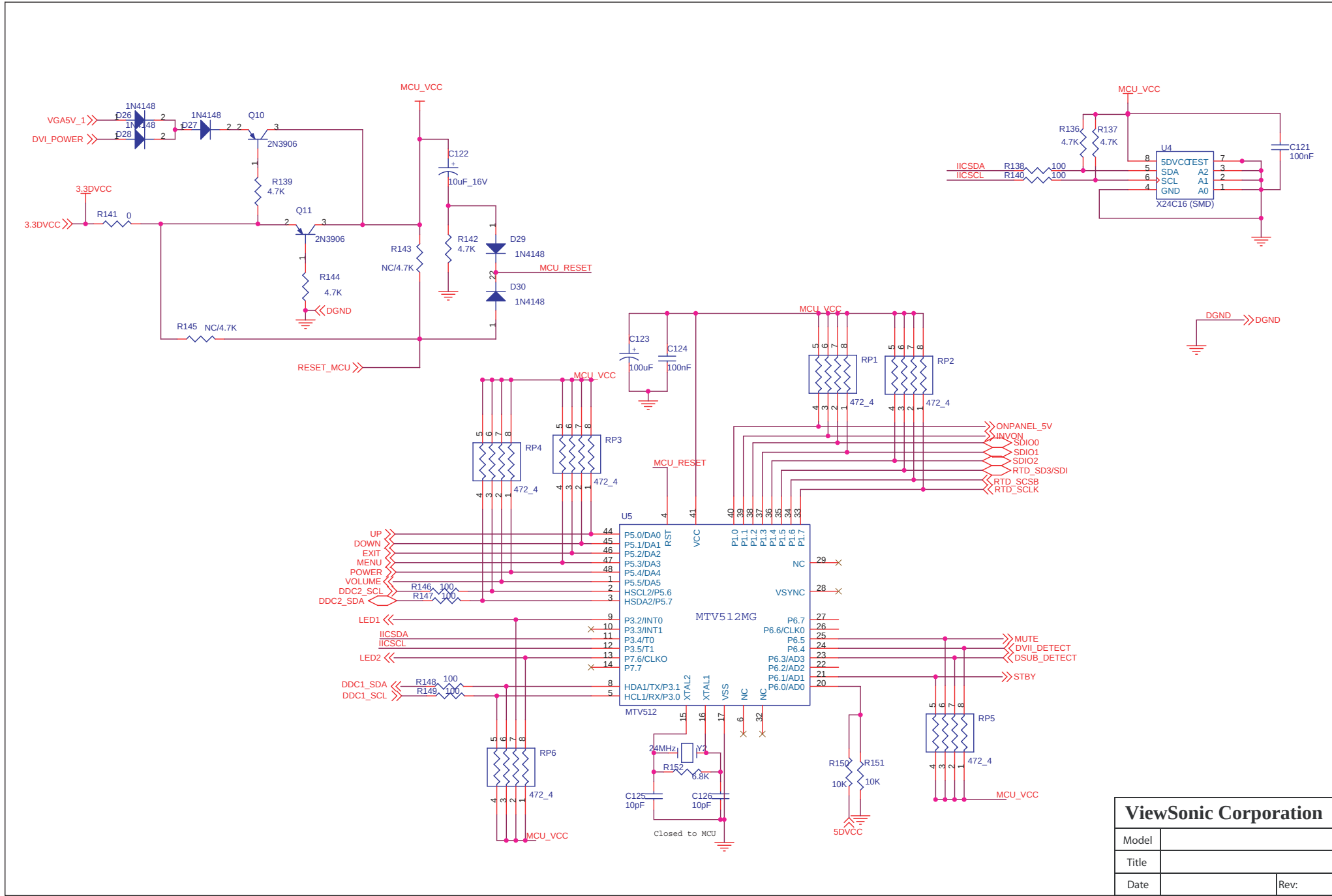
ViewSonic Corporation		
Model		
Title		
Date		Rev:



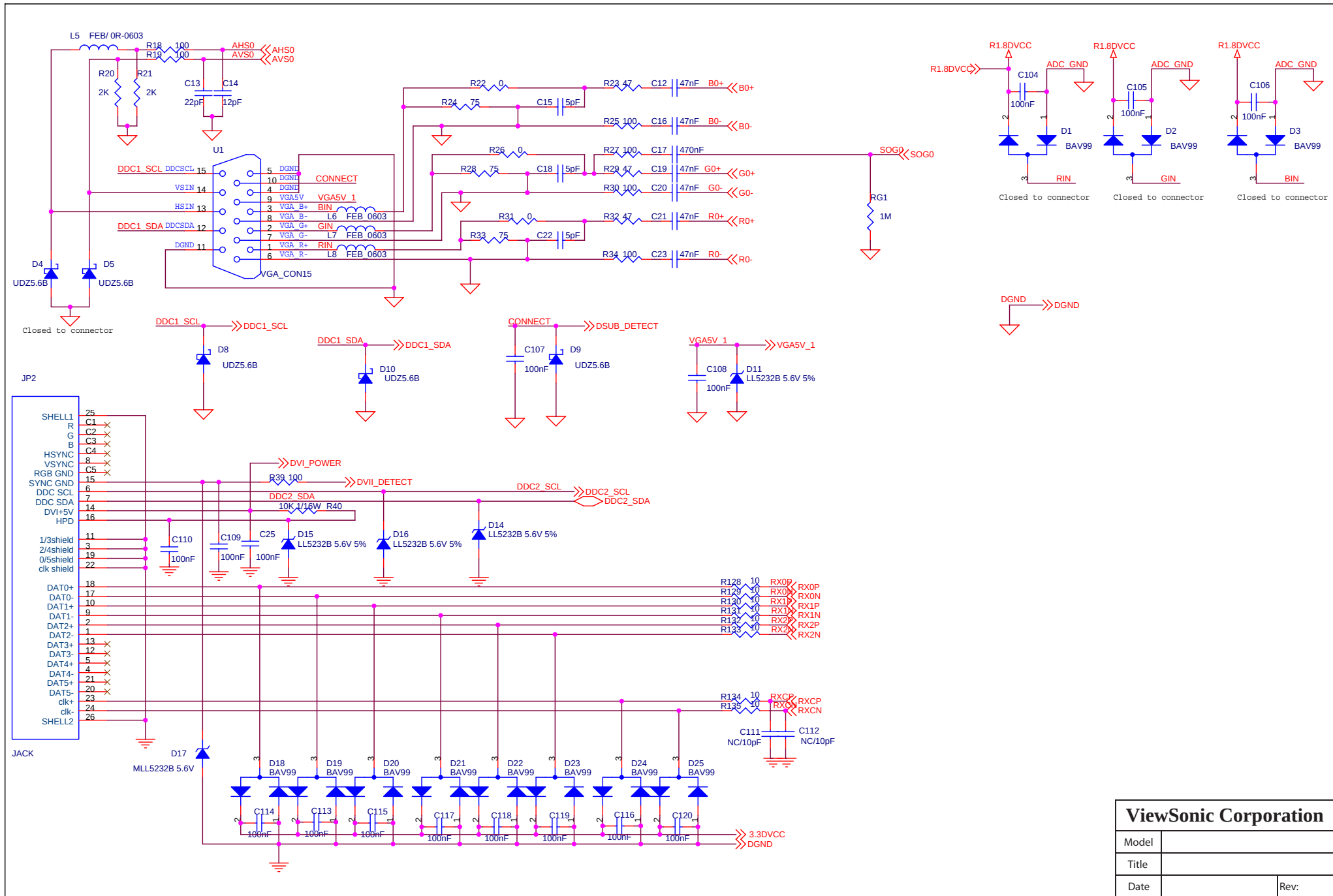
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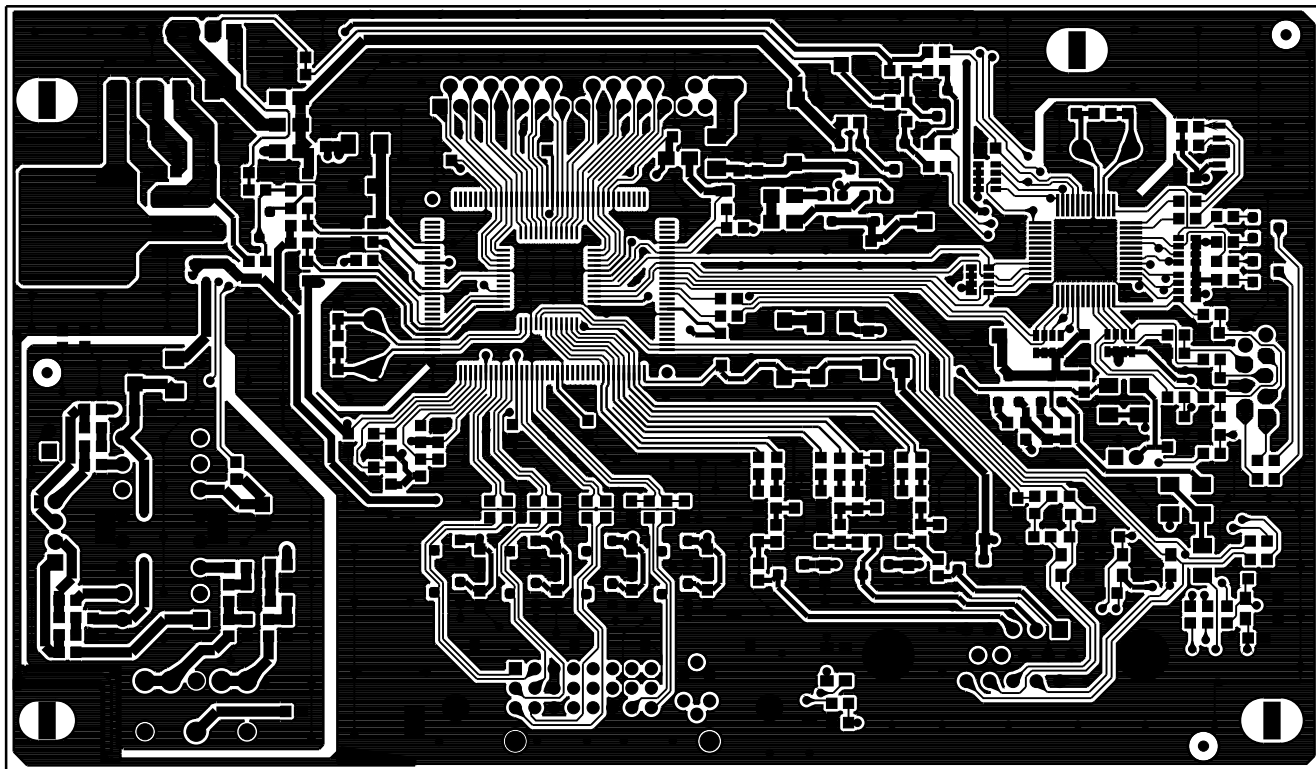


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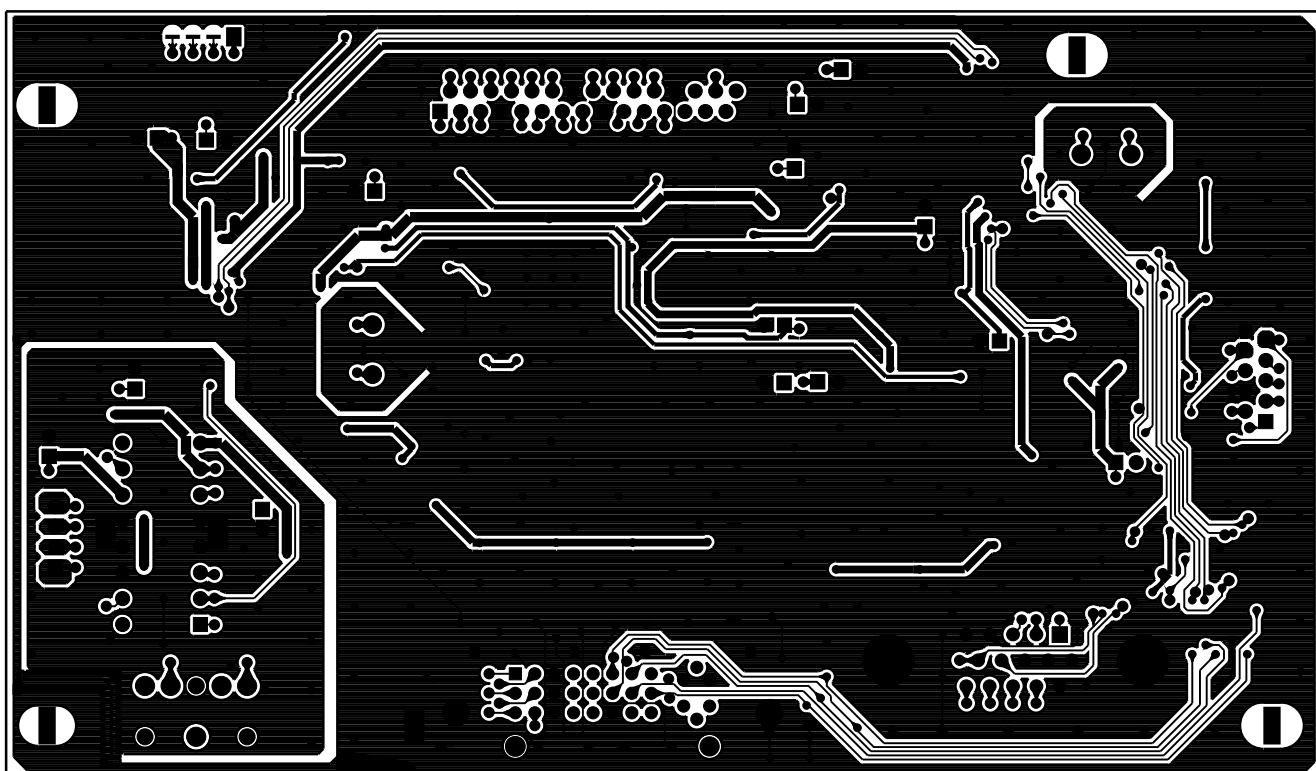


11. PCB Layout Diagrams

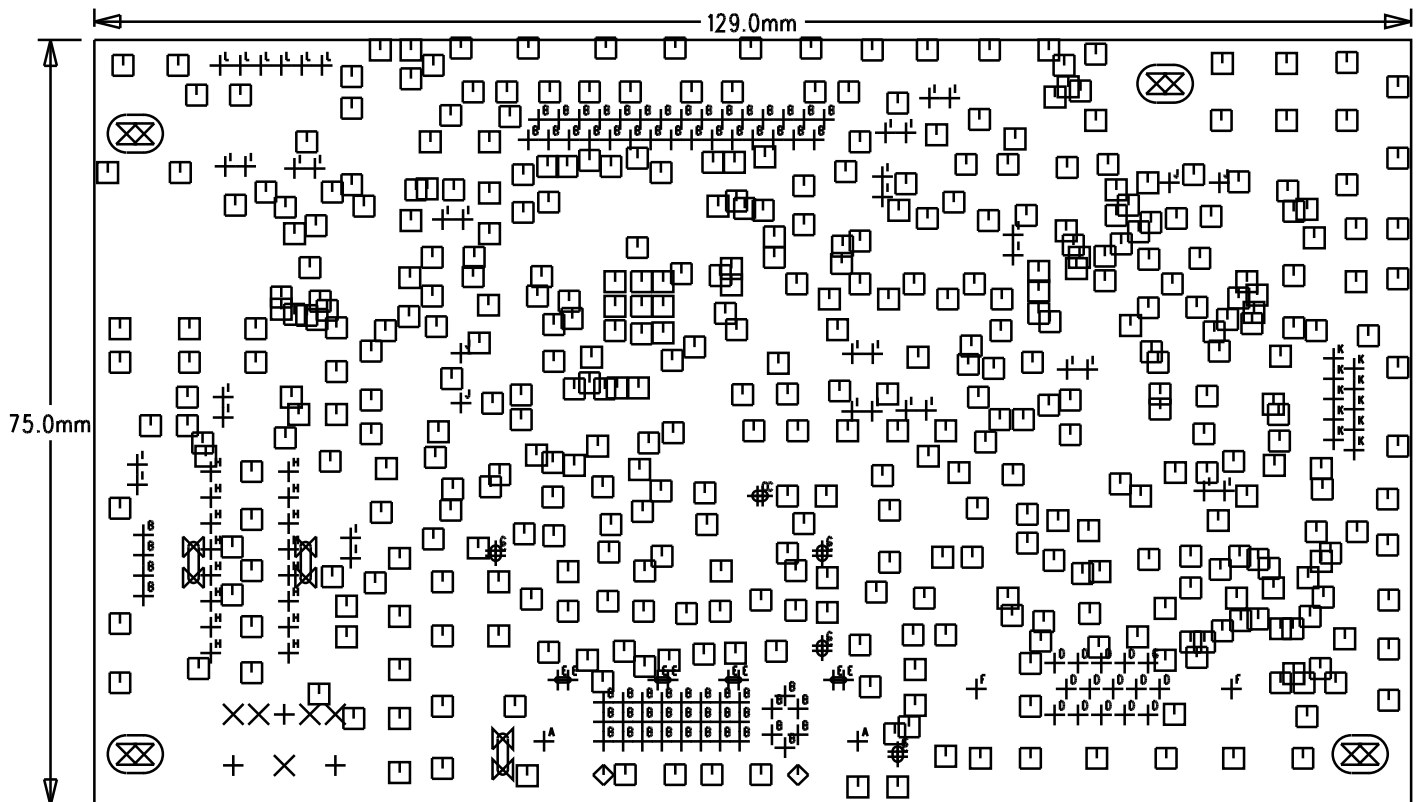
TOP SIDE



BOTTOM SIDE

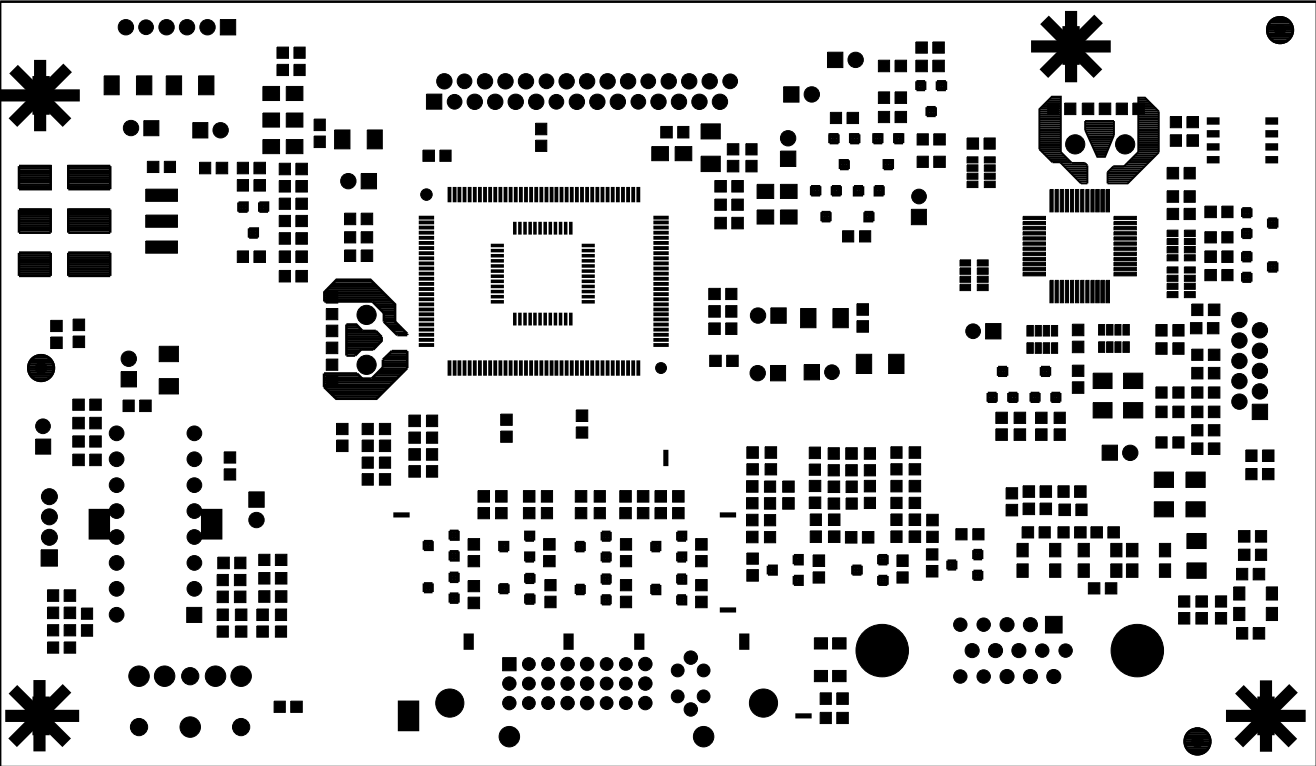


DRILL DRAWING

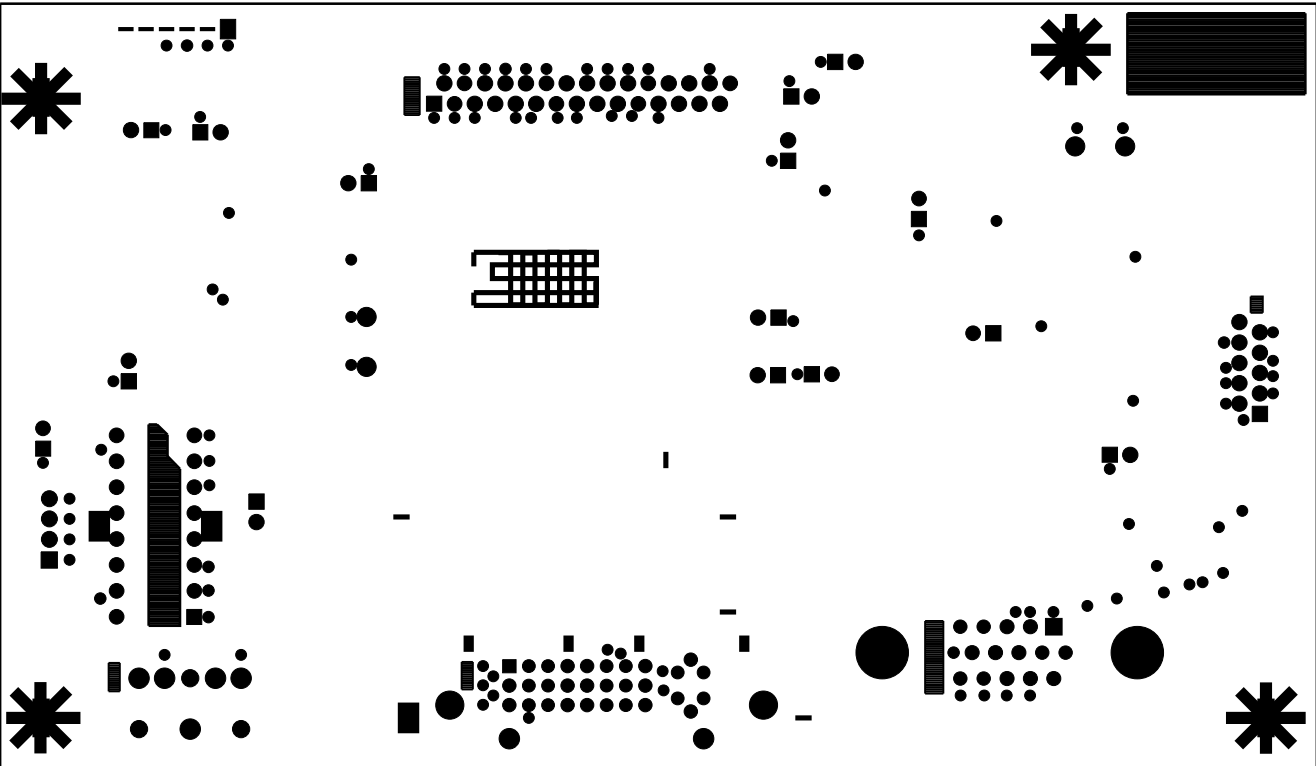


SIZE	QTY	SYM	PLTD	TOL
16	450		YES	+/-0.06mm
19.69 x 59.06	4		YES	+/-0.06mm
27.56	10		YES	+/-0.06mm
28	30		YES	+/-0.06mm
31.5	64		YES	+/-0.06mm
31.5	6		YES	+/-0.06mm
35.43	16		YES	+/-0.06mm
35.43	14		YES	+/-0.06mm
39	1		YES	+/-0.06mm
39.37 x 157.48	3		YES	+/-0.06mm
39.37 x 59.06	5		YES	+/-0.06mm
40	4		YES	+/-0.06mm
50	5		YES	+/-0.06mm
62.99	3		NO	+/-0.06mm
76	2		YES	+/-0.06mm
76	2		NO	+/-0.06mm
126	2		YES	+/-0.06mm
145.67 x 212.6	4		YES	+/-0.06mm

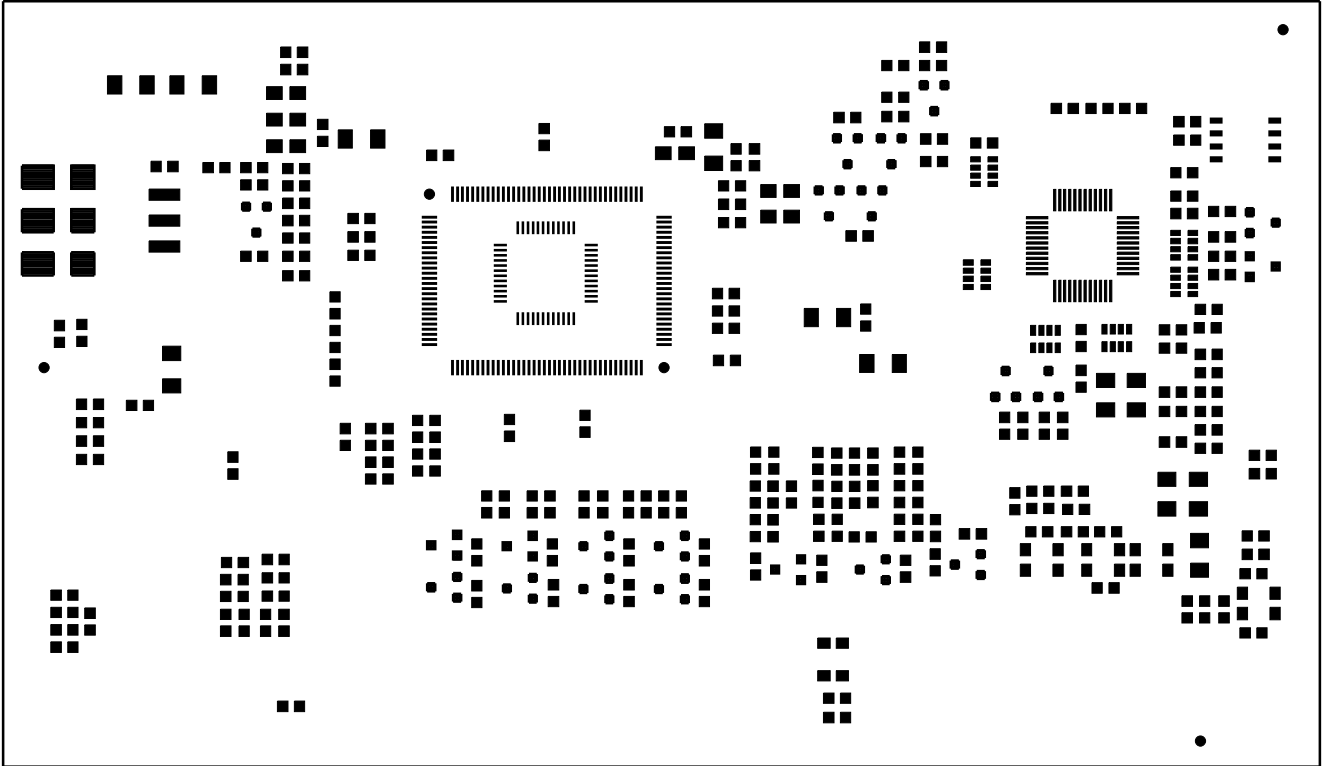
MASK-TOP



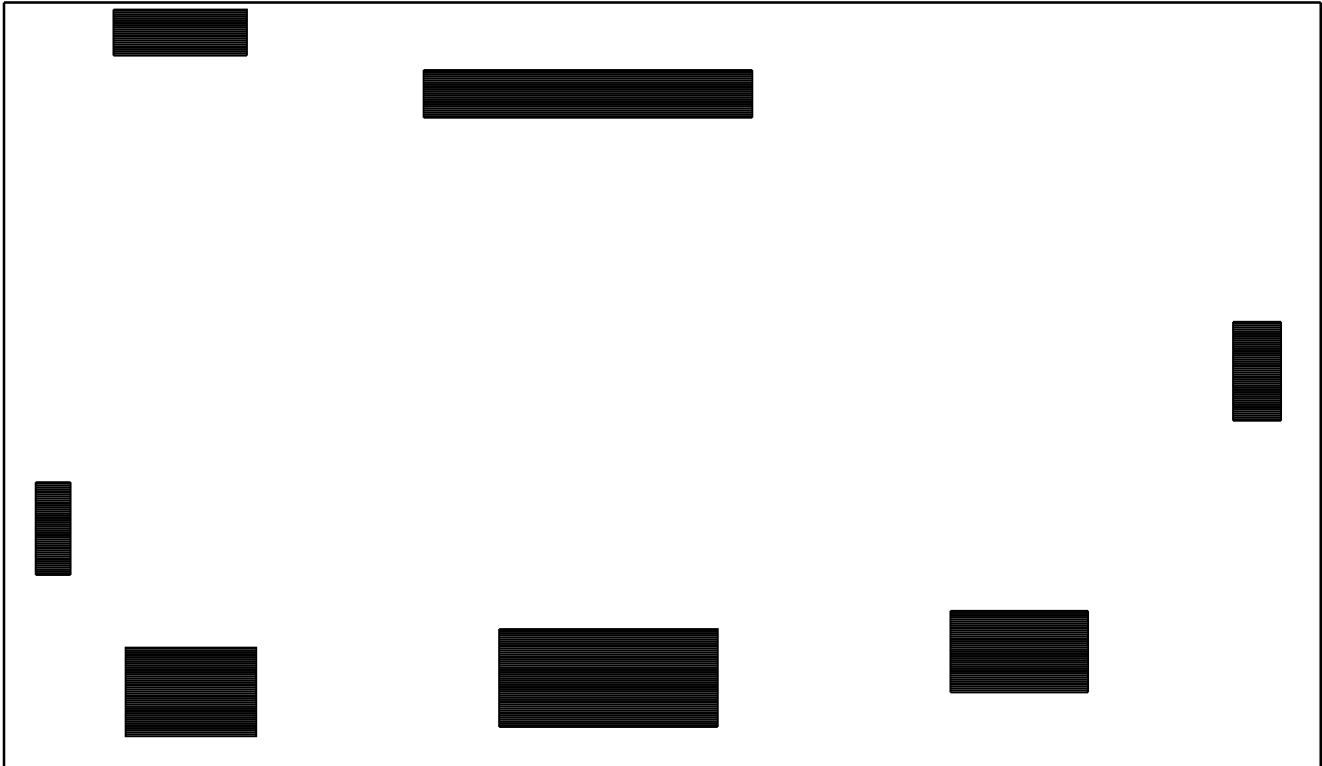
MASK-BOTTOM



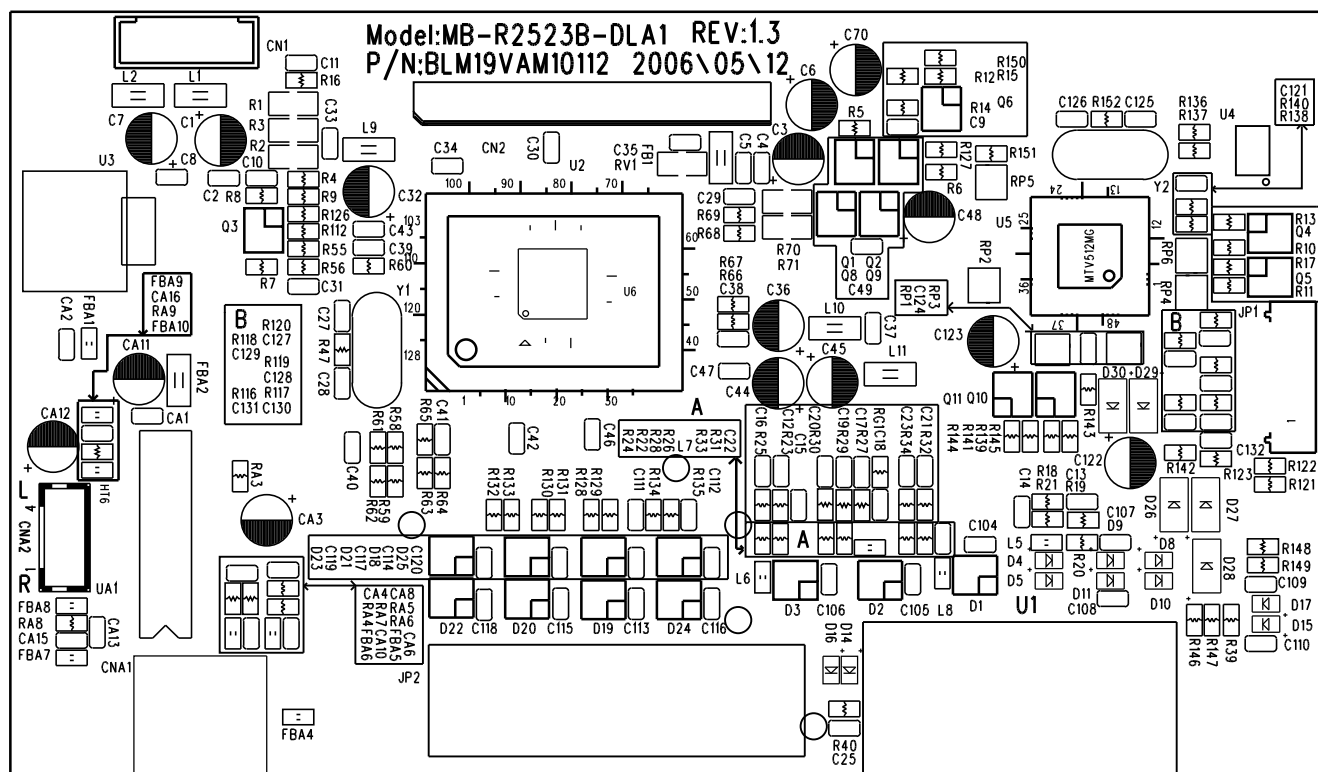
SMD-TOP



SILKSCREEN-BOTTOM



SILKSCREEN-TOP



*** 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:

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Add:			
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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)