

Service Manual

ViewSonic VG700b

Model No. VLCDS23719-3W
17" Color TFT LCD Display

(VG700b-1_SM_604 - Rev. 1a – Oct 2002)

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Revision History

Revision	Date	Description Of Changes	Approval
1a	10/23/02	Initial Release DCN-2660	C. Shen

Preface

This manual is prepared for the maintenance service for the VG700b series Flat Panel Monitor. Maintenance procedures described in this manual are intended to isolate faulty parts and replace them in the field. It also aims to serve as a guide in procuring replacement parts for this product.

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This manual includes system overview, major system assembly, components' description, and the "Troubleshooting" makes explanations on how to detect errors. It also includes a flow chart for checking or correcting faults.

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Notice:

The information found in this manual is subject to change without prior notice. Any subsequent changes made to the data herein will be incorporated in future edition.

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Chapter I Introduction

*This manual provides an integral technical information you need to maintain the LCD Monitor. And this manual is applied to the model of 1280*1024 pixels color TFT LCD Monitor with a 17" flat panel screen.*

This manual is for the technicians and people who have the electronic background. Send the product back to the distributor for repairing and do not attempt to do anything which is complex or not mentioned in the troubleshooting.

1-1 The Appropriate Operation

- *Turn off the Product before cleaning.*
- *Use only a dry soft cloth when cleaning the LCD panel surface.*
- *Use a soft cloth moistured with mild detergent to clean the display housing.*
- *Use only high quality and safety approved AC/DC power Adapter.*
- *Disconnect the Power Plug from AC outlet if the Product is not used for a long period of time.*
- *Do not touch the LCD panel surface with sharp or hard objects.*
- *Do not use abrasive cleaners, waxes or solvents for your cleaning.*

Do not operate the product under the following conditions:

- * *Extremely hot, cold or humid environment.*
- * *Areas susceptible to excessive dusts and dirt*
- * *Near any appliance generating a strong magnetic field.*
- * *Place in direct sunlight.*

1-2 **Product Highlight**

- *Analog signal input*
- *Active matrix TFT LCD technology*
- *1280*1024 addressable pixels, 60Hz*
- *30-82kHz Horizontal Frequency*
- *50-75Hz Vertical Refresh Rate*
- *Auto Image Adjustment*
- *Multifunction OSD user controls*
- *VESA DPMS Power saving*
- *Resolution Compatibility: 640*350, 640*480, 720*400, 800*600, 832*624, 1024*768, 1152*870, 1280*1024*

1-3 **Technical Specification**

I.) *AU Panel:(M170EN04)*

- *Active matrix TN TFT color LCD*
- *17" diagonal screen size*
- *1280*1024 addressable pixels*
- *0.264mm * 0.264mm pixel pitch*
- *280 cd/m² (max),brightness,250 cd/m²(typ),200 cd/m²(min)*
- *450:1 (max) contrast ratio, 400:1(typ),250:1(min)*
- *Lamp number : 4 CCFLs edge-light (2 top/2 bottom)*
- *Backlight Life: 50,000 hrs (Typical), 30,000 hrs (Min.)*
- *Active Size 337.92mm(H)*270.34mm(V)*

II.) *Power Supply*

- *Input Voltage Range:* 90 to 265 VAC
- *Input Frequency Range:* 47 to 63 Hz
- *Output Voltage@0-3.58A Load:* 12V DC +/- 5%
- *Over Current Protection* 4A Typical at 12VDC
- *Power Dissipation* 40 Watts(Max.)

III.) *Audio*

- *Line Input Connection* 3.5mm Stereo Jack
- *Line Input Signal* 1.0Vrms
- *Maximum Power Output* 3W@ <8% Distortion

IV.) *y Preset Modes*

- *VGA 640*350@70Hz (25.176MHz)*
- *VESA 640*480@60Hz (25.175MHz)*
- *MAC 640*480@67Hz (31.500MHz)*
- *VESA 640*480@72Hz (31.50MHz)*
- *VESA 640*480@75Hz (31.50MHz)*
- *VESA 720*400@70Hz (28.320MHz)*
- *VESA 800*600@56Hz (36.00MHz)*
- *VESA 800*6.00@60Hz (40.00MHz)*
- *VESA 800*600@72Hz (50.00MHz)*
- *VESA 800*600@75Hz (49.5MHz)*
- *MAC 832*624@75Hz (57.272MHz)*
- *VESA 1024*768@60Hz (65MHz)*
- *VESA 1024*768@70Hz (75.000MHz)*
- *VESA 1024*768@72Hz (78.000MHz)*
- *MAC 1024*768@75Hz (80.000MHz)*

VG700b series

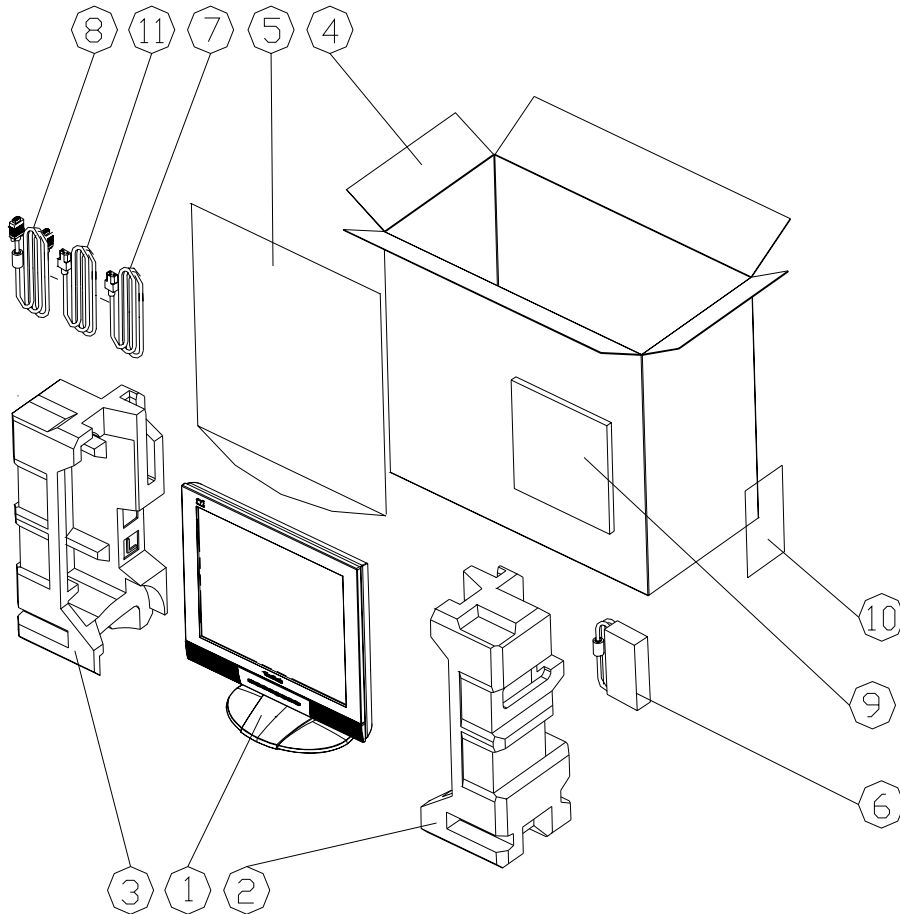
- VESA 1024*768@75Hz (78.750MHz)
- MAC 1152*870@75Hz
- VESA 1280*1024@60Hz
- VESA 1280*1024@70Hz
- VESA 1280*1024@75Hz

V.) *Mechanical & Environmental Condition*

- *Width*Height*Depth:* 410.0mm*421.4mm*191.2mm
- *Monitor Weight:* 5.2kgs/11.4lbs
- *Operating Temperature:* 0°C to +40°C
- *Storage Temperature:* -20°C to +60°C
- *Operating Relative Humidity:* 10% to 95% Non-Condensing
- *Storage Relative Humidity:* 10% to 95% Non-Condensing

Chapter 2 Mechanical Construction

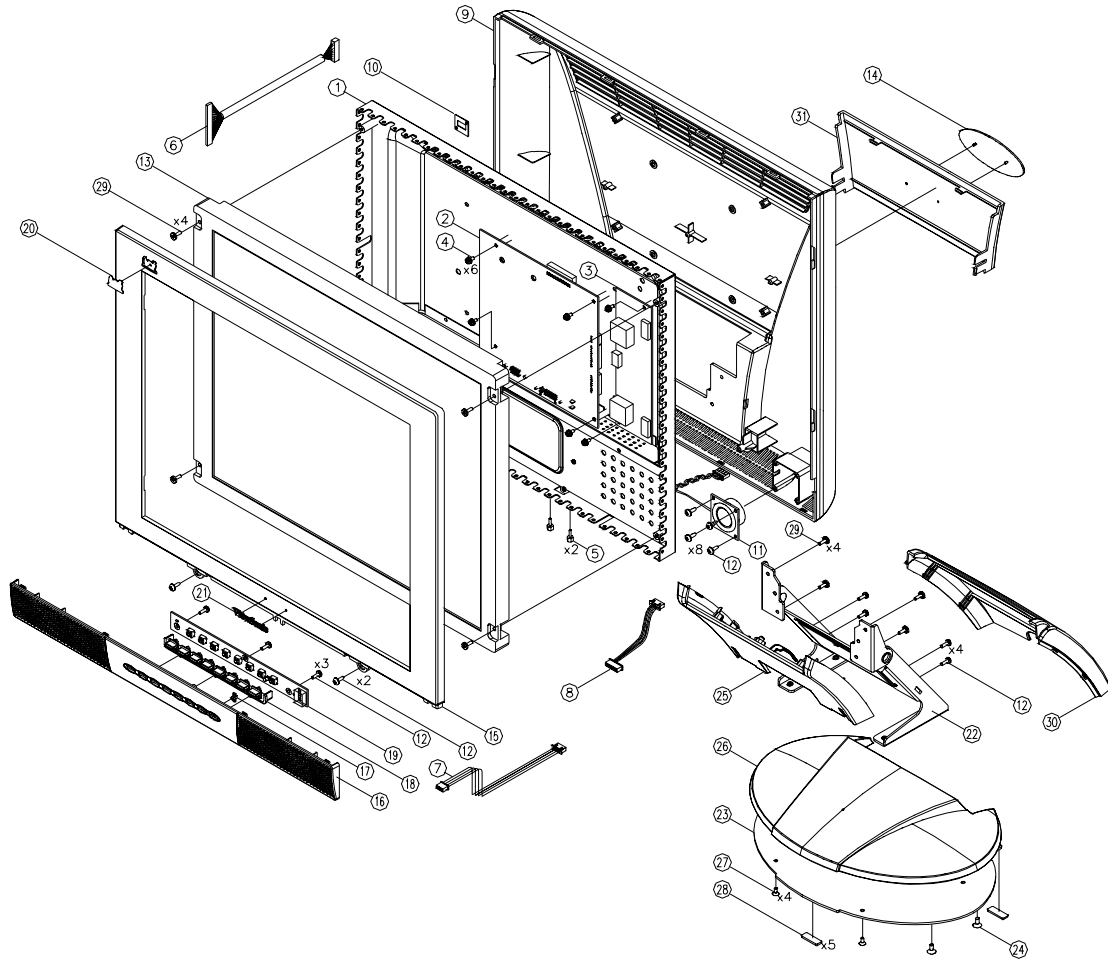
2-1 Package Overview



2-1.1 Replacement Parts List

ITEM	VIEWSONIC P/N	P/N	DESCRIPTION
1		DC.58302.001	VG700 LCD DISPLAY; "VIEWSONIC",AU-M170EN05,USA
2	P-FM-0602-0752	56.58301.001	CUSHIONS R EPS VG700
3	P-FM-0602-0753	56.58302.001	CUSHIONS L EPS VG700
4	P-BX-0601-0748	55.58301.002	CARTON AB VG700B
5	M-MS-0808-8141	51.00081.002	PE BAG LDPE 540*750*0.04t W/HOLE
6	A-AD-0114-0149	47.58301.001	ADAPTER IN:100-240V OUT:12V/3.33A;LSE
7	A-AU-0120-0032	42.59903.001	CABLE AUDIO 1.8M LM/BK/LM VX2000
8	A-VC-0101-0266	42.56908.001	CABLE VGA 15P 1800mm 2 CORE PV870C
9	A-CD-VG750	36.58302.002	USER'S GUIDE MULTILINGUAL+CD+TCO'95 ECO
10	M-LB-0813-0706	35.58203.001	LABEL CARTON 76*76mm
11-1	A-PC-0106-0188	42.57207.001	CABLE POWER CORD 1.8M 0.1M UNSHIELD (NA)
11-2	A-PC-0106-0190	42.50116.002	CABLE POWER CORD 1830mm (JPB) BLACK
11-3	A-PC-0106-0187	42.50126.001	CABLE POWER CORD 1.8M 0.1M (CHINA)
12-1	M-MS-0808-8353	36.58307.001	WARRANTY CARD S. CHINESE VIEWSONIC
12-2	M-MS-0808-8409	36.58303.001	WARRANTY CARD JAPAN VIEWSONIC
13	M-LB-0813-0736	35.58304.001	LABEL BARCODE 40*14 Viewsonic
14-1	M-LB-0813-0737	36.58308.001	WARRANTY STICKER S. CHINESE
14-2	M-LB-0813-0738	36.58304.001	WARRANTY STICKER JAPAN VIEWSONIC
15	M-MS-0808-8410	36.58305.001	ENVELOPE FOR WARRANTY CARD JAPAN VIEWSONIC
16-1	M-MS-0808-8411	36.58306.001	SHIPPING BAG FOR WARRANTY KIT JAPAN VIEWSONIC
16-2	M-LB-0813-0739	36.58309.001	SHIPPING WARRANTY STICKER S. CHINESE VIEWSONIC

2-2 Exploded Overview



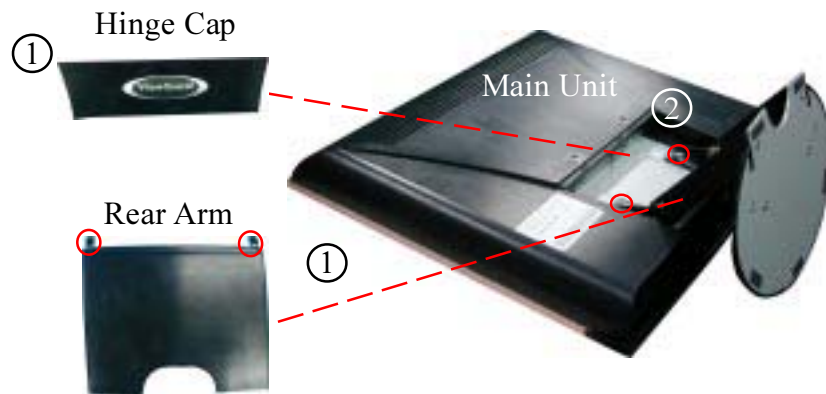
VG700b series

2-2.1 Replacement Parts List

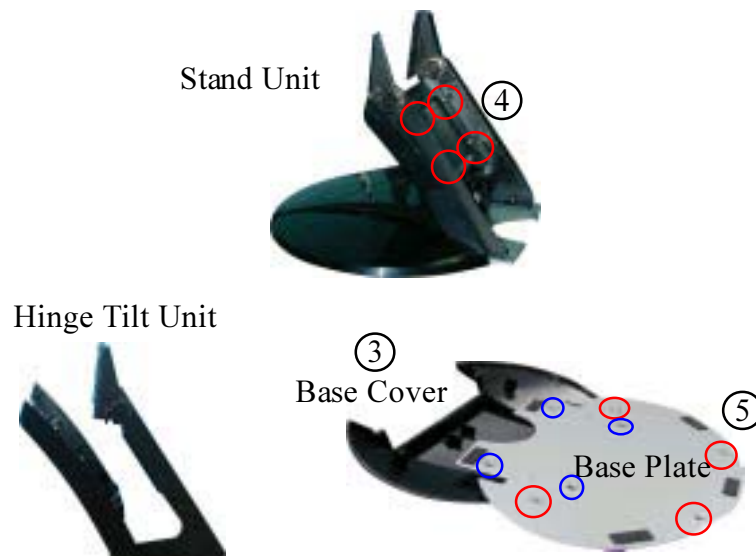
ITEM	VIEWSONIC P/N	DESCRIPTION	P/N
1		SUPPORT BRKT SECC 0.8t VG700(ADT)	61.58301.001
2	B-MB-0201-0671	PCBA MAIN BD VG700	80.58301.001
3-1	B-SB-0221-0448	PCBA INVERTER LI2113 LIEN CHANG	44.58301.001
3-2	B-SB-0221-0447	PCBA INVERTER PLCD2417414 EMAX	44.58302.001
4	M-SCW-0824-0651	SCREW PAN MECH W/SF M3*6 Ni	85.1F123.060
5	M-MS-0808-6287	SCREW HEX I/O #4-40*H5*L7.5 Ni NYLOK	85.005AG.075
6	M-WR-0828-0644	W.A. 30P UL20276 #28 200mm+CORE	42.58302.001
7	M-WR-0828-0632	W.A. 12P UL1571 #28 260mm (MB TO CRTL)	42.58203.001
8	M-WR-0828-0636	W.A. 10/6P UL1007 #1007 #24 100mm VG700(INV)	42.58301.001
9	C-BC-0302-0442	REAR COVER ABS HB-VS08 VG700b	51.58302.002
10		LOCK BRKT TINPLATE 0.5t PV880	61.56005.002
11	E-SK-0412-0049	ASSY SPEAKER MODULE MEI SHAN HB34	49.58301.001
12		SCREW M3*7	85.UA123.070
13	M-LCD-0826-0120	TFT LCD 1280*1024 17" ADT L170E3 PANEL	48.56902.001
14		NAMEPLATE ELLIPSE Viewsonic	51.58711.001
15	C-FP-0301-0901	FRONT COVER ABS HB-VS08A;VG700b	51.58301.002
16	M-MS-0808-8297	COSMETIC CAP ABS HB-VS08;VG700b	51.58303.002
17	M-MS-0808-8176	LED LENS ACRYLIC VG500	51.58207.001
18	PL-NB-0707-0172	SELECT KNOB ABS CS-VS07A VG500	51.58206.001
19	B-CB-0206-0135	PCBA CTRL BD VG500	80.58202.001
20	M-LB-0830-0695	BIRD LOGO AL E015-001 Viewsonic	35.58202.001
21		Viewsonic AL-LOGO	35.90305.001
22	M-MS-0808-8145	HINGE TILT SPHC 2.0t VG700/750	61.58302.001
23	M-MS-0808-8146	BASE PLATE SGCC 2.0t VG700/750	61.58303.001
24	M-SCW-0824-0658	SCREW FLAT MECH M4*8 Ni	85.4A124.080
25	M-MS-0808-8300	FRONT ARM ABS HB-VS08 VG700b	51.58312.002
26	M-CV-0830-2343	BASE COVER ABS HB-BS08 VG700b	51.58311.002
27	M-SCW-0824-0660	SCREW FLAT TAP M3*6 Ni	85.YA123.060
28	PL-PD-0714-0064	RUBBER FOOT 25*10*1.2t	52.00003.001
29	M-SCW-0824-0608	SCEW WCH/W MECH M3*10 Ni	85.ZA123.100
30	M-MS-0808-8302	REAR ARM ABS HB-VS08 VG700b	51.58313.002
31	M-MS-0808-8301	HINGE CAP ABS HB-VS08 VG700b	51.58304.002

Chapter 3 Procedure of Disassembly

3-1 Disassembly of Stand Unit and Main Body

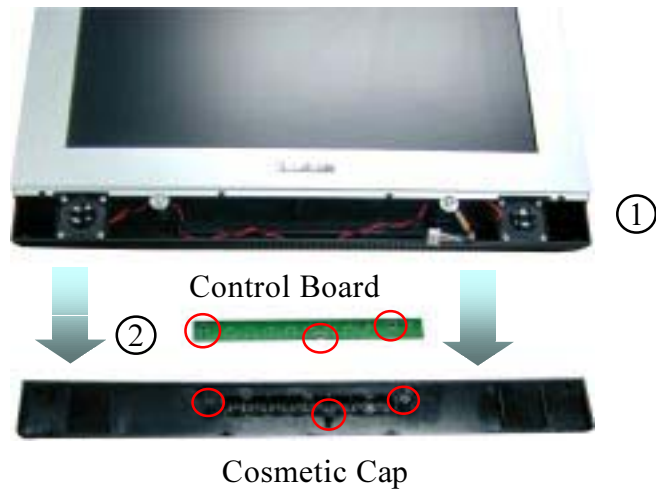


1. Lay VG700b Monitor face down to take off Rear Arm and Hinge Cap.
2. Unscrew the four screws to remove the Stand and Main Unit.



3. Unscrew the four screws to remove the Hinge Tilt and Base Unit.
4. Unscrew the four screws on Hinge Tilt unit to remove the Front Arm and Hinge Tilt.
5. Unscrew the four screws on the Base Unit to remove the Base Cover and Base Plate.

3-2 Disassembly of Control Board, Cosmetic Cap and Front Cover



1. First turn over the monitor, and press the two sides from up to down to remove the Cosmetic Cap.
2. Unplug the Control Wire and unscrew the three screws to remove the Control Board.



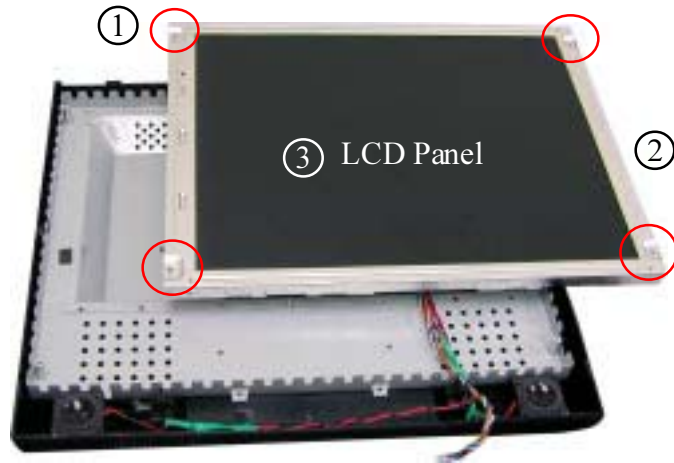
Main Unit



③ Front Cover

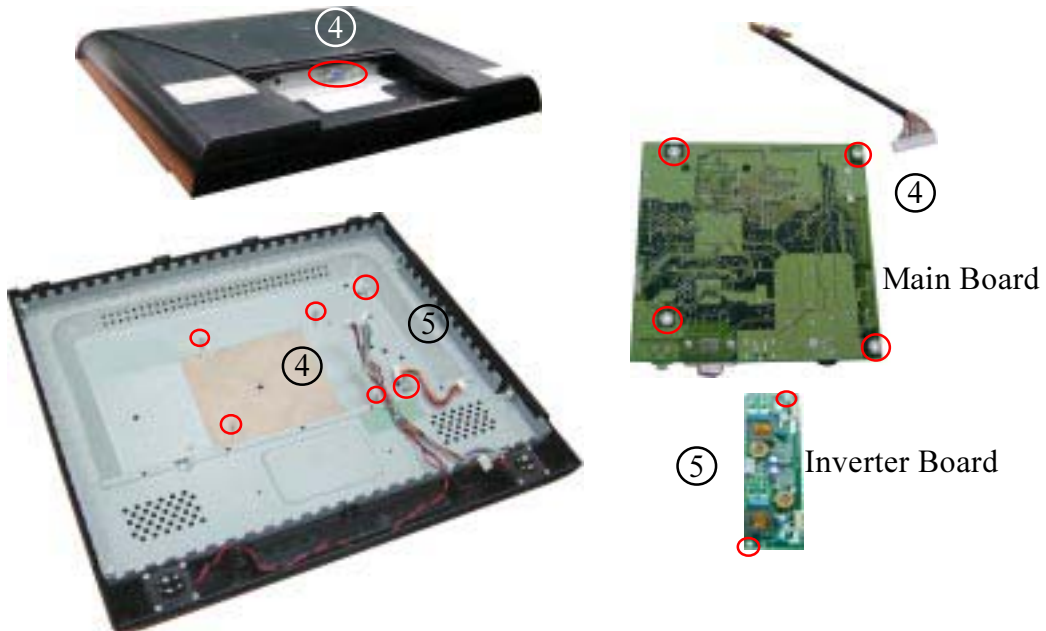
3. Unscrew the two screws of Front Cover to remove it from Main Unit.

3-3 Disassembly of LCD Panel and Main Board



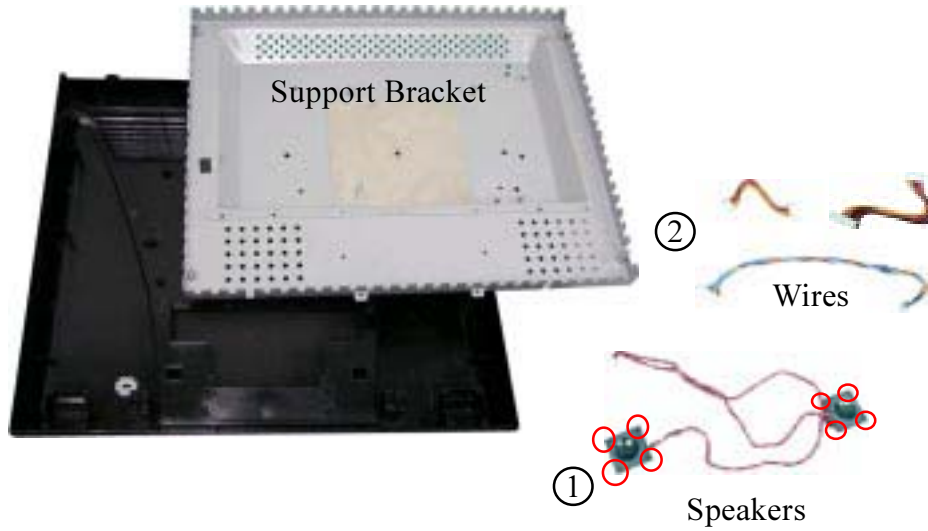
1. Unscrew the four screws on the LCD Panel.
2. Unplug all wires on the LCD Panel.
3. Remove the LCD Panel.

VG700b series

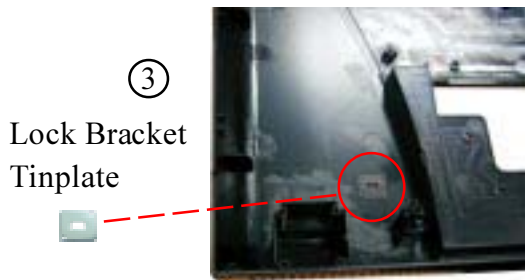


4. Unscrew the two hex screws and turn over the monitor first; then unscrew the four screws and unplug all wires on Main Board to remove it.
5. Unscrew the two screws and unplug the wires of Inverter Board to remove it.

3-4 Disassembly of Support Bracket, Speakers and all wires



1. Unscrew the eight screws on Speakers to remove it.
2. Remove the tape, unscrew the four screws and unplug all wires from Support Bracket.

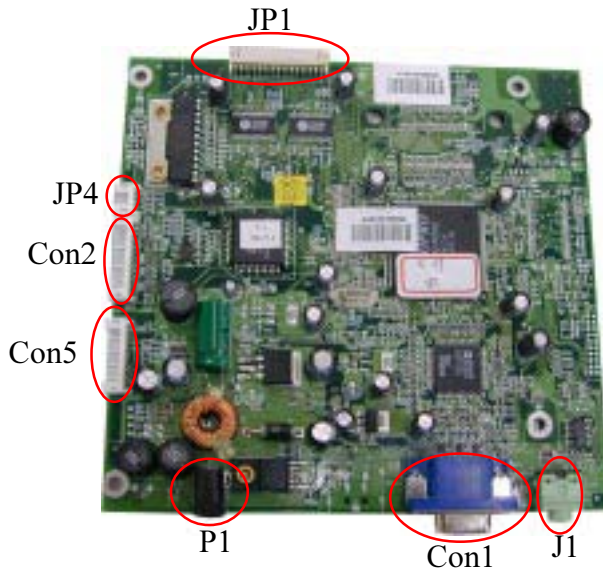


3. Remove the Lock Bracket Tinplate from Rear Cover.

Chapter 4 Function of Boards

4-1 Main Board

4-1.1 The Location of Connectors



VG700b series

4-1.2 CON1: VGA Connector

Pin #	Description	Function
1	RED	Red Video Input
2	GREEN	Green Video Input
3	BLUE	Blue Video Input
4	N. C.	No Connection
5	GND	Detective CAble (+5V Bypass)
6	GND	Red Video Ground
7	GND	Green Video Ground
8	GND	Blue Video Ground
9	CONT+5V	+5V
10	GND	Ground
11	N.C.	No Connection
12	SDA	Serial Data
13	CCHS	Horizontal Sync.
14	CCVS	Vertical Sync.
15	SCL	Serial Clock

4-1.3 CON2: OSD Key Connector

Pin #	Description	Function
1	GND	Ground
2	Power	Power Key
3	GND	Ground
4	Power_R1	Power LED Red
5	Power_G1	Power LED Green
6	Small	Volume -
7	Up	Increase
8	Down	Decrease
9	BIG	Volume +
10	Select	Select
11	Quit	Quit
12	Mute	Volume Mute

4-1.4 CON5: Inverter Connector

Pin #	Description	Function
1	+12V_Inv	+12V
2	GND	Ground
3	FPBACK	On/Off
4	DVD0	Brightness Control
5	GND	Ground
6	+12V_Inv	+12V
7	GND	Ground
8	FPBACK	On/Off
9	DVD0	Brightness Control
10	GND	Ground

4-1.5 J1: Phonejack Stereo Sw.Connector

Pin #	Description	Function
1	LIN	Left Channel Input
2	GND	Ground
3	GND	Ground
4	RIN	Right Channel Input
5	GND	Ground

4-1.6 JP1 Connector

Pin #	Description	Function
1	VDD	LVDS Power +3.3V
2	VDD	LVDS Power +3.3V
3	VDD	LVDS Power +3.3V
4	GND	Ground
5	SELLVDS	No Connection
6	Vcont	No Connection
7	GND	Ground
8	RXOIN3+	Positive Differential Input
9	RXOIN3-	Negative Differential Input
10	RXOCLKIN+	Panel ODD Clock +
11	RXOCLKIN-	Panel ODD Clock -
12	RXOIN2+	Positive Differential Input
13	RXOIN2-	Negative Differential Input
14	GND	Ground
15	RXOIN1+	Positive Differential Input
16	RXOIN1-	Negative Differential Input
17	GND	Ground
18	RXOIN0+	Positive Differential Input
19	RXOIN0-	Negative Differential Input
20	RXEIN3+	Positive Differential Input
21	RXEIN3-	Negative Differential Input
22	RXECLKIN+	Panel Even Clock +
23	RXECLKIN-	Panel Even Clock -
24	GND	Ground
25	RXEIN2+	Positive Differential Input
26	RXEIN2-	Negative Differential Input
27	RXEIN1+	Positive Differential Input
28	RXEIN1-	Negative Differential Input
29	RXEIN0+	Positive Differential Input
30	RXEIN0-	Negative Differential Input

VG700b series

4-1.8 JP4: Speaker Out Connector

Pin #	Description	Function
1	FB3	Right Channel Output
2	FB4	Right Channel Output
3	FB5	Left Channel Output
4	FB6	Left Channel Output

4-2 Control Board

4-2.1 The Location of Connectors

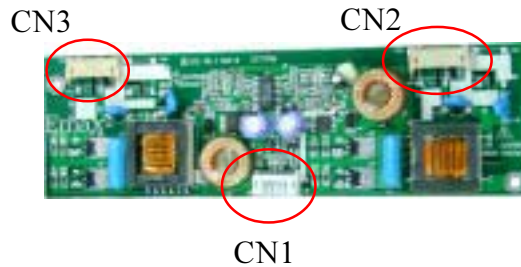


4-2.2 CON2: OSD Key Connector

Pin #	Description	Function
1	GND	Ground
2	Power	Power Key
3	GND	Ground
4	Power_R1	Power LED Red
5	Power_G1	Power LED Green
6	Small	Volume -
7	Up	Increase
8	Down	Decrease
9	BIG	Volume +
10	Select	Select
11	Quit	Quit
12	Mute	Volume Mute

4-3 Inverter Board

4-3.1 The Location of Connectors



4-3.2 CN1 Connector

Pin #	Description	Function
1	+12V	+12V Power Supply
2	+12V	+12V Power Supply
3	On/Off	On/Off
4	Brightness	Bright Control
5	GND	Ground
6	GND	Ground

4-3.3 CN2 Connector

Pin #	Description	Function
1	ACV (~1kV)	Lamp Output
2	ACV (~1kV)	Lamp Output
3	N.C.	No Connection
4	GND	Ground

4-3.4 CN3 Connector

Pin #	Description	Function
1	ACV (~1kV)	Lamp Output
2	ACV (~1kV)	Lamp Output
3	N.C.	No Connection
4	GND	Ground

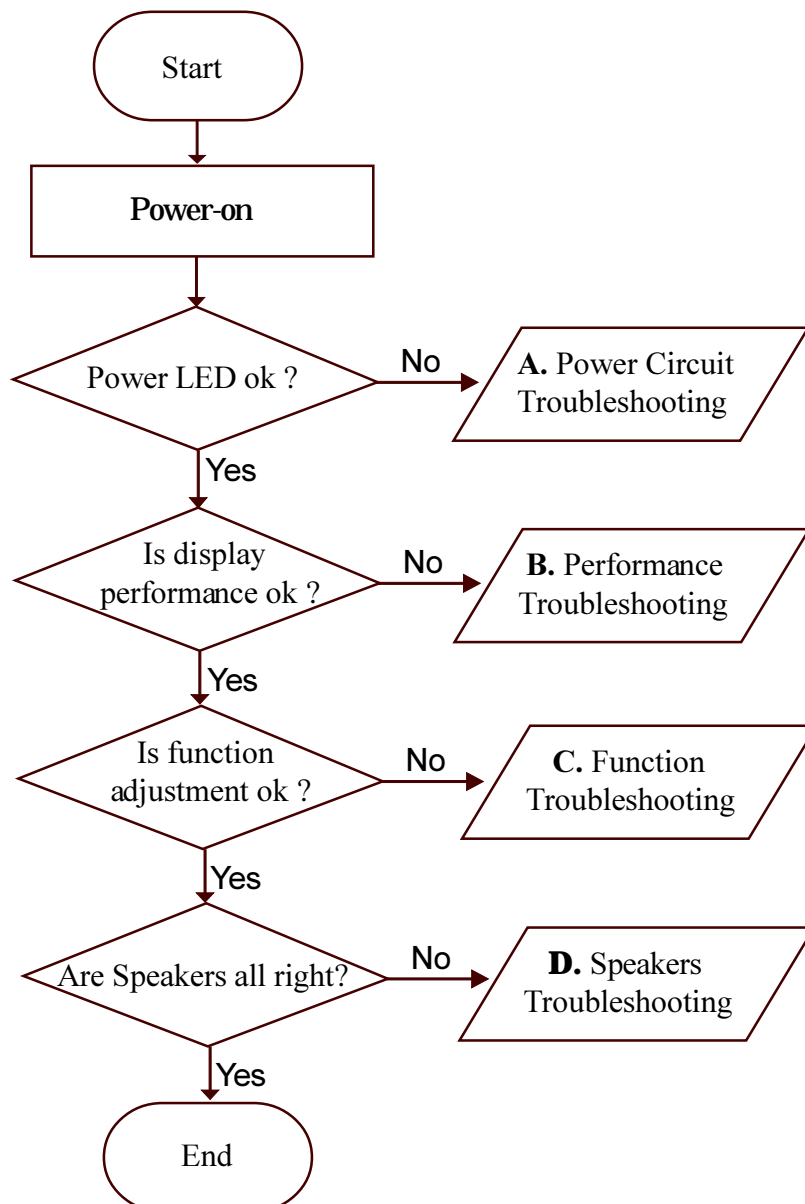
VG700b series

Chapter 5 Troubleshooting Procedure

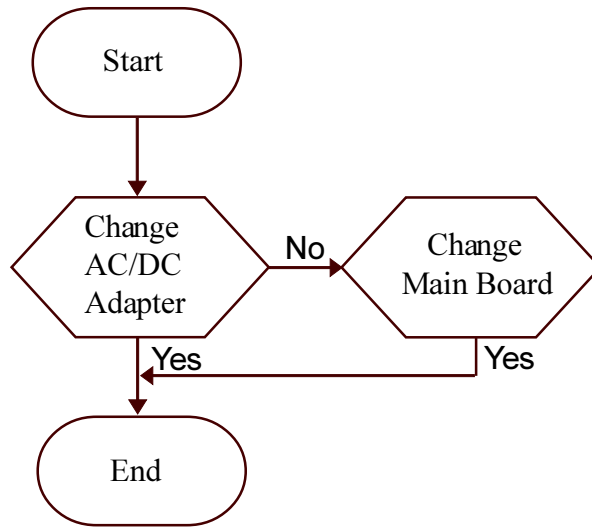
5-1 Equipment Needed

- VG700b Monitor
- PC (Personal Computer) with 1280*1024 resolution
- Screw Driver

5-2 Main Procedure

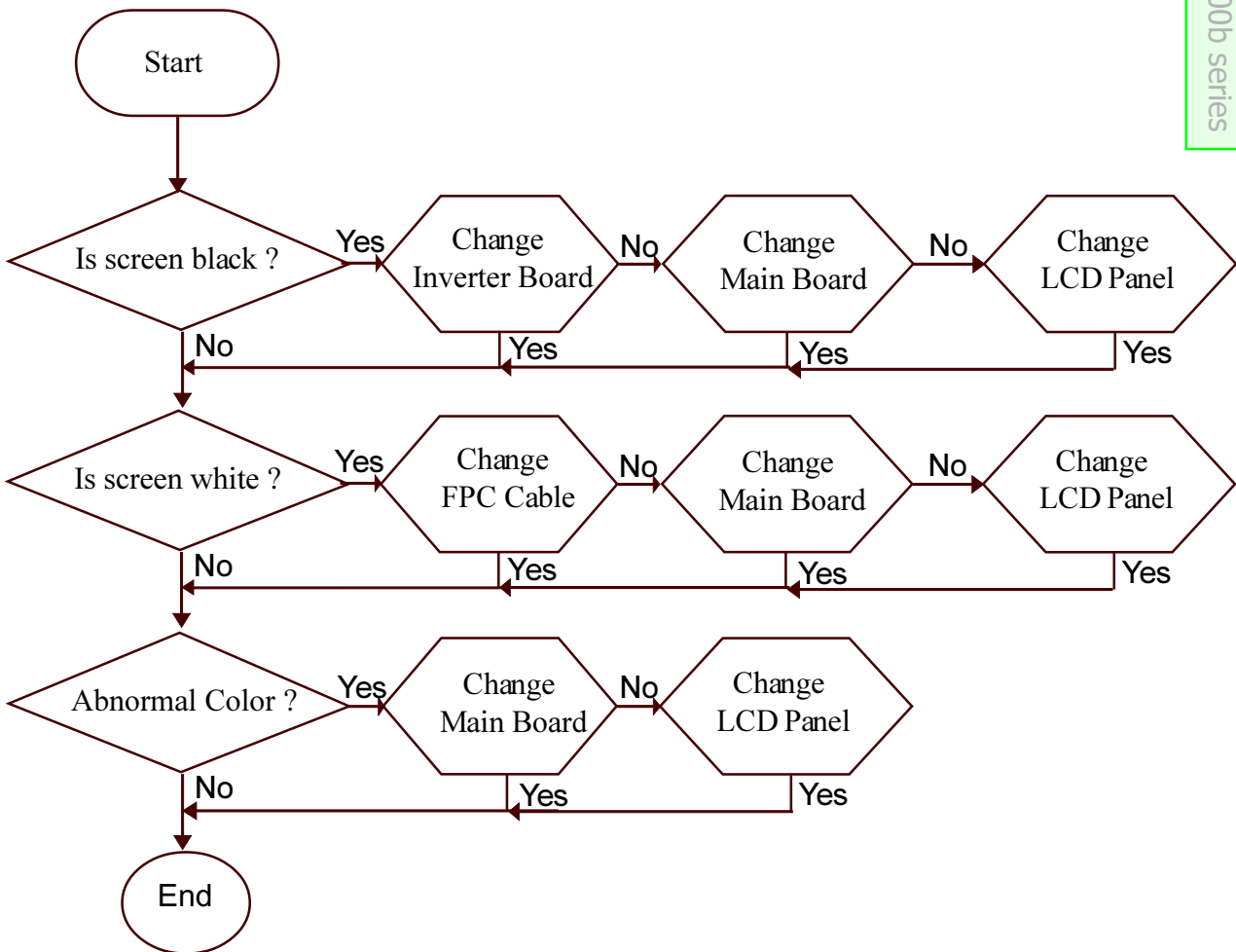


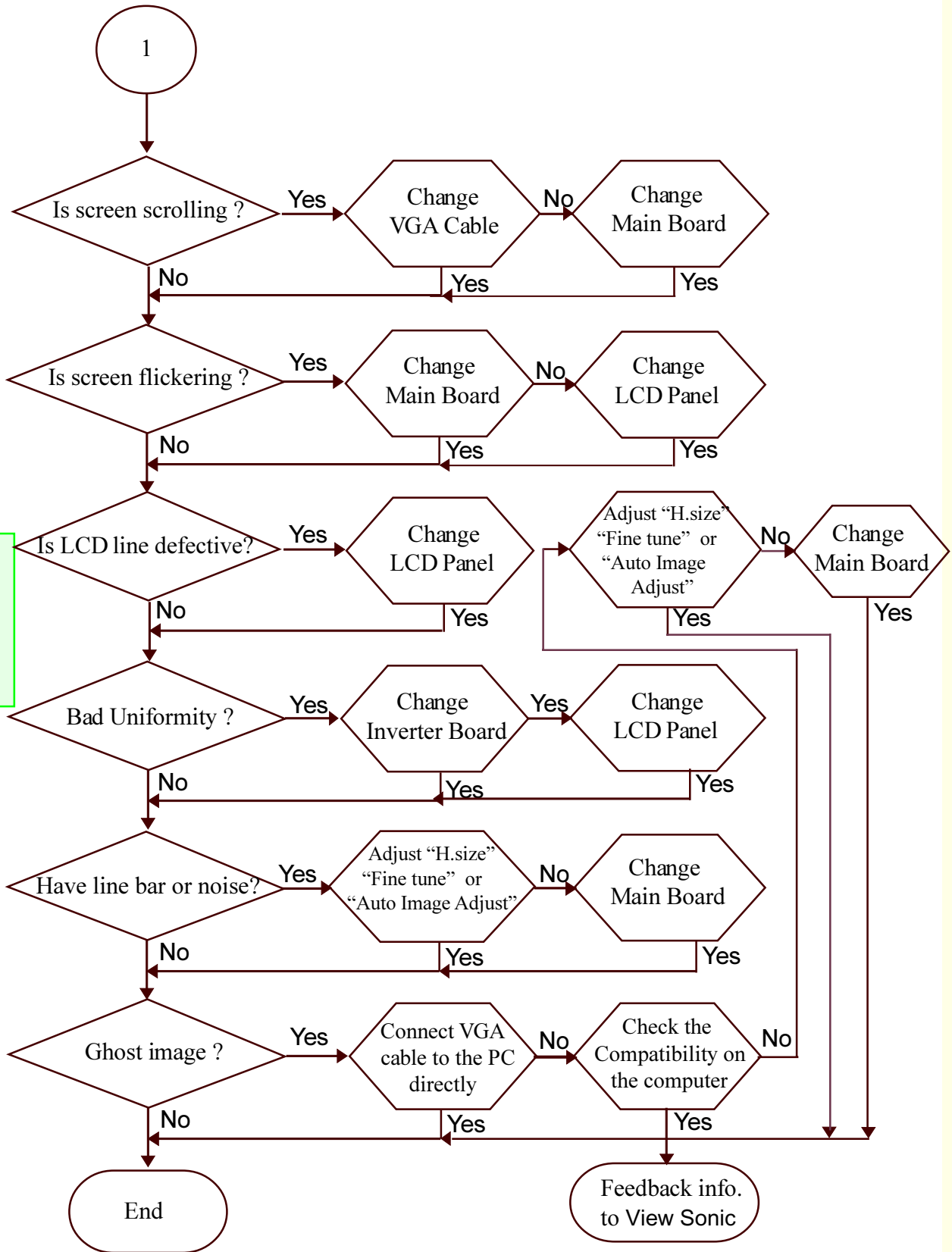
5-2.1 A. Power Circuit Troubleshooting



5-2.2 B. Performance Troubleshooting

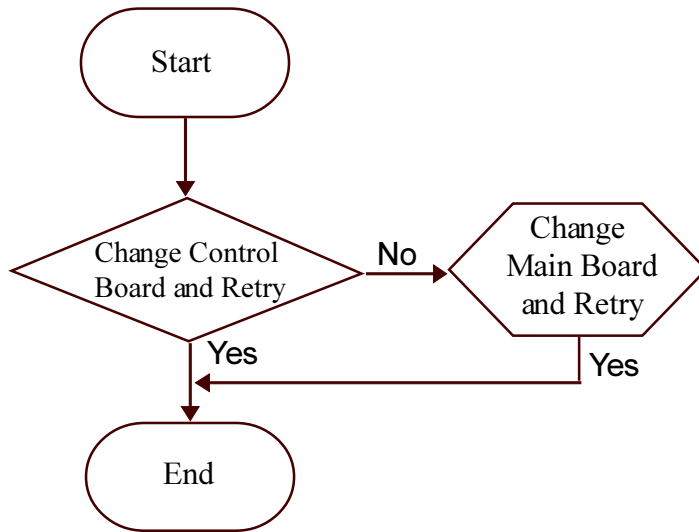
VX700b series



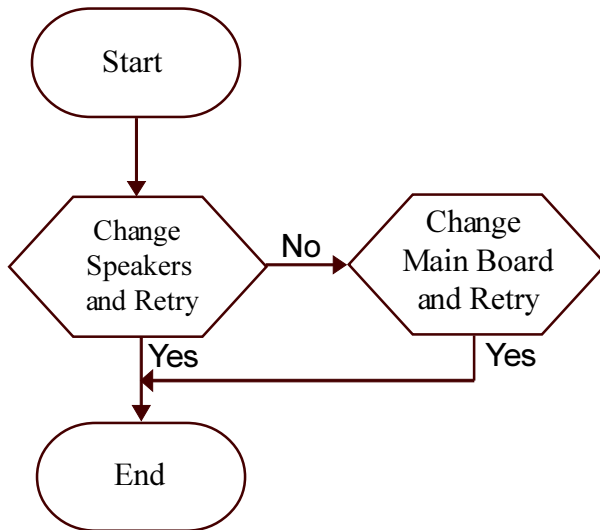


VX700b series

5-2.3 C. Function Troubleshooting



5-2.4 D. Speakers Troubleshooting



VX700b series

Chapter 6 Function Test & Alignment Procedure

6-1 **Product and Test Equipment:**

- 17" LCD monitor
- Color Video Signal & Pattern (or PC with SXGA resolution)

6-2 **Hot Key (Service Function):**

- “▲”, “▼” and “Power on” buttons with signal input: All Mode Reset
- “▲”, “▼” and “Power on” buttons without signal input: Burn In Mode
- “Audio-” and “Audio+” buttons will recall volume to 50% while in volume Adjustment, or when OSD is not open.
- “[I]” and “▲” buttons for 10 seconds: OSD locked
Do again: OSD unlocked.
- “[I]” and “▼” buttons for 10 seconds: Power button locked.
Do again: Power button unlocked.
- “[I]” and “▼” buttons and “power” buttons: White Balance

6-3 **Test Condition:**

- Before function test and alignment, each LCD monitor should be run-in and warmed-up for at least 2 hours with the following conditions:
 - a.) In Room Temperature,
 - b.) With full-white screen, R.G.B. Black
 - c.) With cycled display modes,

- 640*480 (H=31.5kHz, V=60Hz)
- 800*600 (H=37.9kHz, V=60Hz)
- 800*600 (H=46.9kHz, V=75Hz)
- 1024*768 (H=48.4kHz, V=60Hz)
- 1024*768 (H=56.5kHz, V=70Hz)
- 1024*768 (H=60kHz, V=75Hz)
- 1280*1024 (H=64kHz, V=60Hz)
- 1280*1024 (H=80kHz, V=75Hz)

6-4 Test Display Modes & Pattern

6-4.1 Compatible Modes

Resolution	V. Frequency (Hz)	H. Frequency (kHz)	Standard
640*480	60	31.5	VESA VGA
640*480	67	35.0	MAC
640*480	72	37.9	VESA VGA
640*480	75	37.5	VESA VGA
720*400	70	31.5	VESA VGA
800*600	56	35.2	VESA SVGA
800*600	60	37.9	VESA SVGA
800*600	72	48.1	VESA SVGA
800*600	75	46.9	VESA SVGA
832*624	75	49.7	MAC
1024*768	75	60.2	MAC
1024*768	60	48.4	VESA XGA
1024*768	70	56.5	VESA XGA
1024*768	75	60.0	VESA XGA
1280*1024	60	64.0	VESA SXGA
1280*1024	75	80.0	VESA SXGA

VG700b series

6-4.2 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	Horiz. and Vert. position of video should be adjustable to be within the screen frame.	Figure 3
4	R,G,B, Color Performance	R.G.B 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 8



Fine Line Moire Pattern (Figure 1)



Gray Scale Pattern (Figure 2)



Horizontal & Vertical Thickness Pattern (Figure 3)



R. Color Pattern (Figure 4)

VG700b series



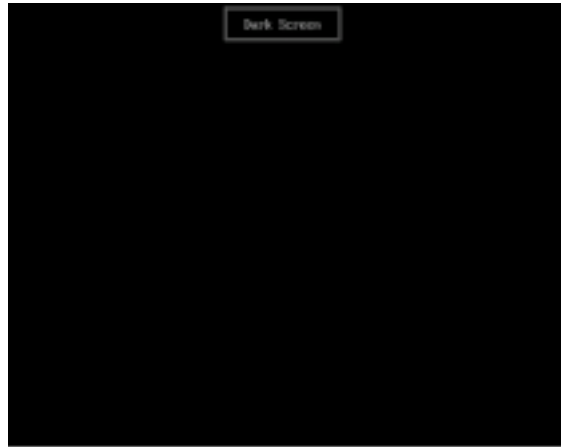
G. Color Pattern (Figure 5)



B. Color Pattern (Figure 6)



Full White Pattern (Figure 7)



Dark Screen Pattern (Figure 8)

VG700b series

6-5 *Function Test and Alignment Procedure*

6-5.1 *All Mode Reset*

Input signal to VG700b, turn off the power of VG700b. Press “▲”, “▼” and “Power on” buttons on the select knob simultaneously for 3-5 seconds, release “Power on” button first, then else buttons. The screen will show “All Mode Reset”. This action will allow you to erase all end-user’s settings and restore the factory defaults.

6-5.2 *Auto Image Adjust*

Please select and enter “Auto Image Adjust” function on OSD Main Menu or press “2” button directly. 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.

6-5.3 *Fine Tune*

*Test Signal: 1280*1024@75Hz*

Test Pattern: Line Moire Pattern

- * *Check and see if the image has noise and focus is well performed.*
- * *If not, readjust by the following steps:*
 - a.) *Select and enter “Manual Image Adjust” function on OSD Main Menu.*
 - b.) *Then, select and enter “Fine Tune” function to adjust the image to eliminate visual noise.*

6-5.4 *Boundary*

*Test Signal: 1280*1024@75Hz*

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/Vertical Position” or “Scaling\Fit All” function to adjust the video Boundary to be full scanned and within screen frame.*

6-5.5 R.G.B. Colors Contrast

*Test Signal: 1280*1024@75Hz*

Test Pattern: R.G.B. Colors Intensities Pattern and 16 gray scale pattern

- * *Check and see if each color is normal and distinguishable*
- * *If not, please return the unit to repair area*

6-5.6 Screen Uniformity and Flicker

*Test Signal: 1280*1024@75Hz*

Test Pattern: Full White Pattern

- * *Check and see if it is in normal condition.*

6-5.7 Dead Pixel and Line

*Test Signal: 1280*1024@75Hz*

Test Pattern: Dark Screen Pattern

- * *Check and see if there are dead pixels on LCD panel with shadow gauge and filter film*
- * *The total numbers and distance of dead pixels should be compliant with the spec.*

6-5.8 Check for Secondary Display Modes

<i>Test Signal: 640*350@70Hz</i>	<i>640*480@60/67/72Hz;</i>
<i>720*400@70Hz</i>	<i>800*600@56/60/72/75Hz;</i>
<i>832*624@75Hz</i>	<i>1024*768@60/70/72/75Hz;</i>
<i>1152*870@75Hz</i>	<i>1280*1024@60/70/75Hz</i>

*Normally when the primary mode 1280*1024@60Hz is well adjusted and compliant with the specification, the secondary display modes will also be compliant with spec. It is still necessary to check them with the general test pattern to verify compliance though.*

6-5.9 All Mode Reset

After final QC step, we have to erase all saved changes again and restore the factory defaults. You should do “All Mode Reset” again. (ref. 6-5.1)

6-6 *Cleaning*

Please use non-alcohol cleanser to clean LCD panel and cosmetics material with soft cotton.

6-7 *Inspection Standard*

- *Appearance Inspection: Scratches/Abrasions*
 - a.) *Mechanical:*
 - Face A: Not Allowed*

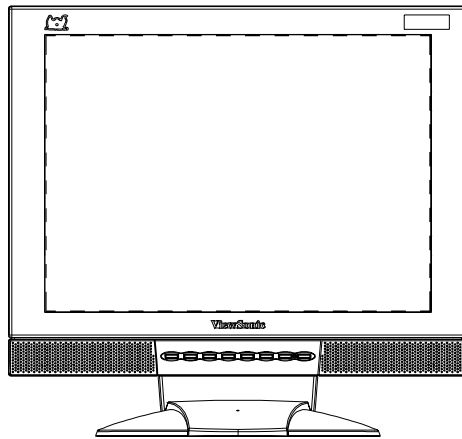


Figure 1: Face A View

Face B: Length: 12.7mm, Width: 0.25mm (2 lines, scrapes)

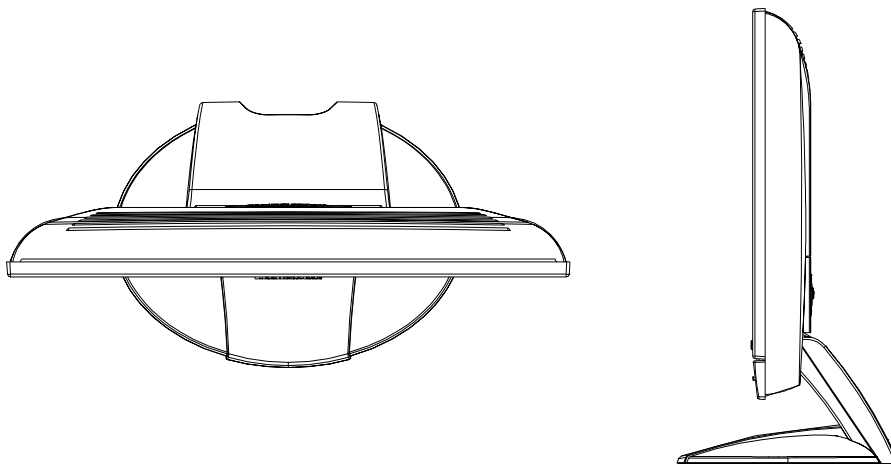


Figure 2: Face B View

Face C: Length:76mm Width:0.76mm (2 lines,scrapes)

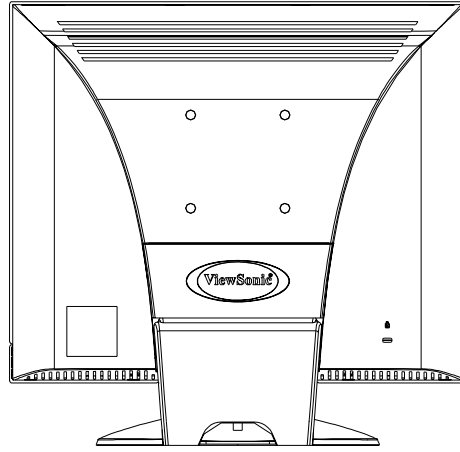


Figure 3: Face C View

Face D: Length:89mm Width:0.76mm (2 lines,scrapes)

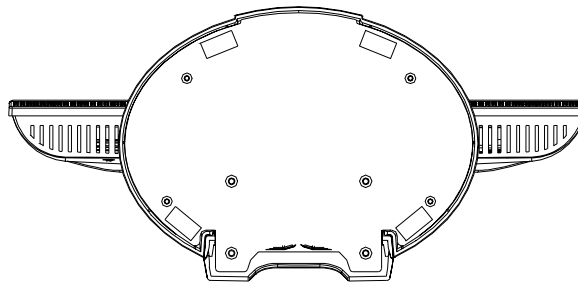


Figure4: Face D View

VG700b series

Chapter 7 Firmware Upgrade Procedure

- Notice:** 1.) Check FW version, it should be upgraded to latest version if it is old.
2.) Every time after Firmware upgrade, need to do DDC Keyin Procedure.
3.) *Electronically the VG700b is compatible with VG700. Please follow the procedures shown in chapter 7 and 8 to upgrade the firmware and EDID data.*

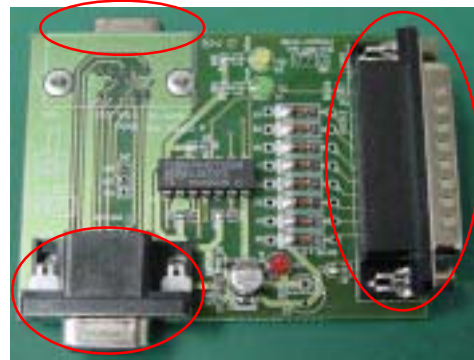
7-1 Equipment Needed

- VG700b monitor
- Fixture for Firmware Upgrade
- VGA Cable (P/N: 42.59901.004)* 2pcs
- PC (Personal Computer)
- Firmware Upgrade Program
- Power Adapter (P/N: 47.58301.001)
- Printer Cable

VG700b series



CON 2: VGA Out



CON 1: VGA In



VGA Cable (P/N : 42.59901.004)

Print Port:
to Printer cable



Printer Cable



Power Adapter (P/N: 47.58301.001)

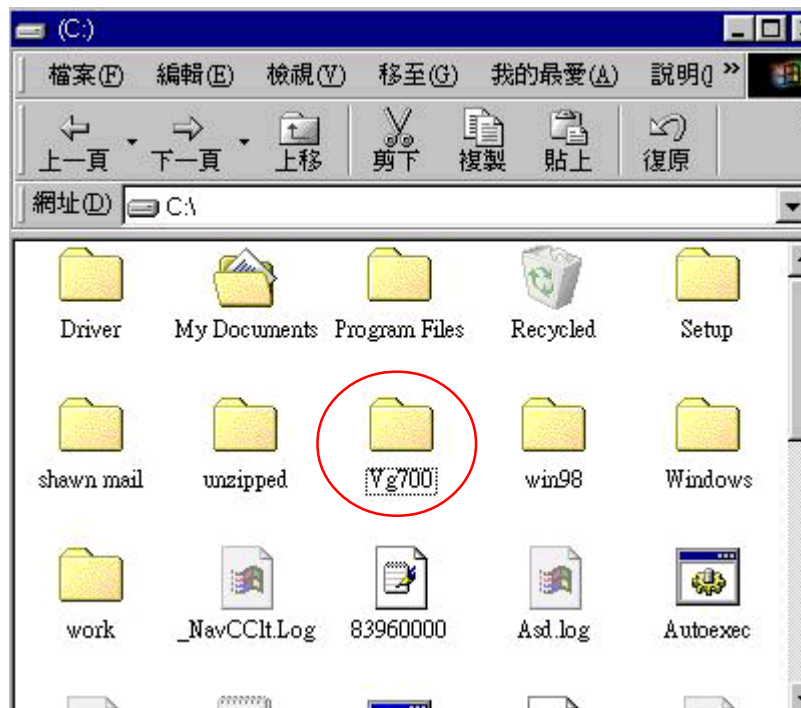
7-2 Hardware Setup Procedure

1. Connect Con1 of Fixture to VGA Port of PC.
2. Connect Con2 of Fixture to VGA Port on VG700b monitor.
3. Connect Con 3 of Fixture to Print Port of PC.

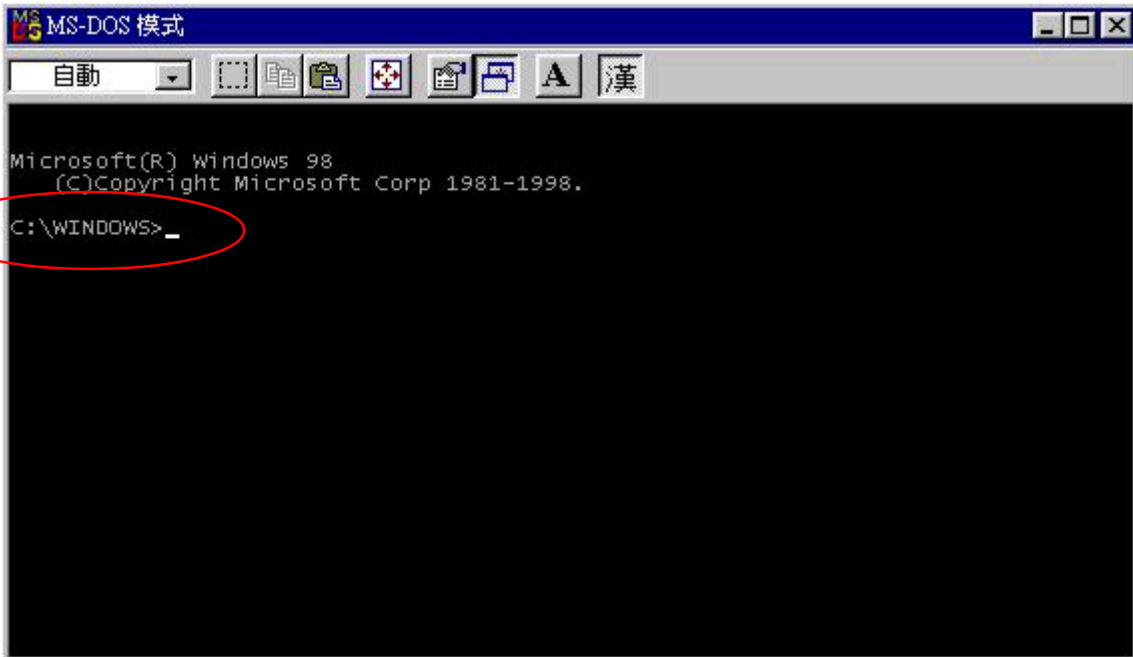


7-3 Firmware Upgrade Procedure

1. Save "Firmware upgrade" program in Computer:

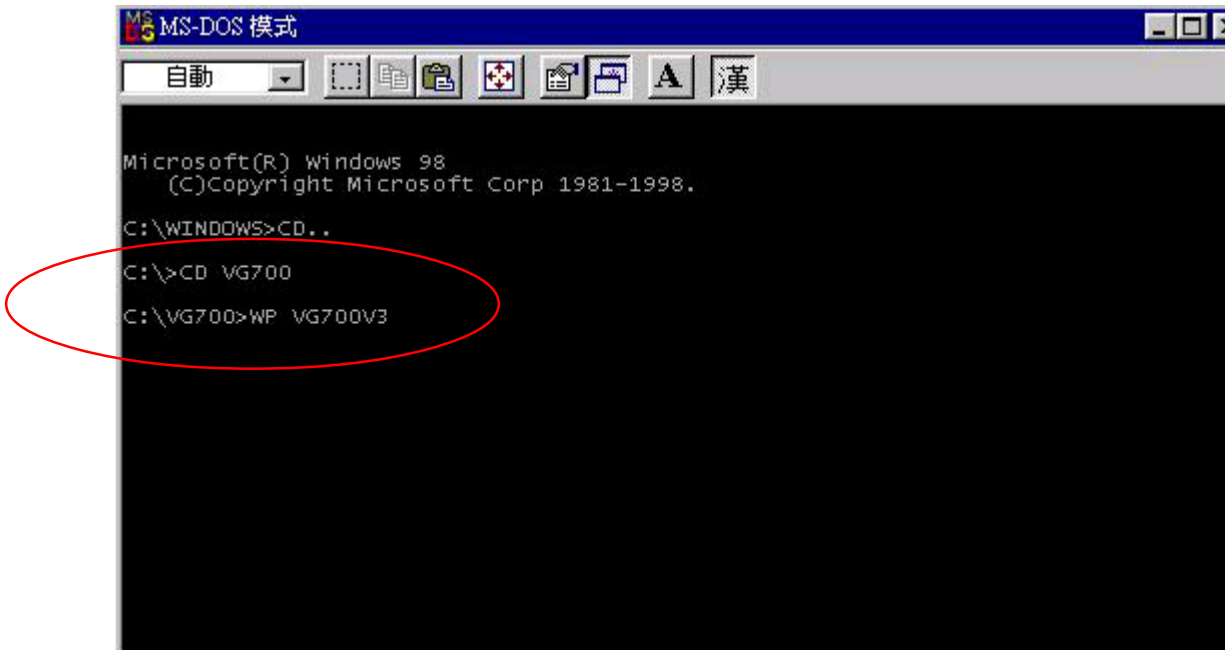


2. *Get into DOS mode.*



VG700b series

3. *Get into "Firmware upgrade" program where you save.*



Chapter 8 EDID Update Procedure

8-1 Equipment Needed

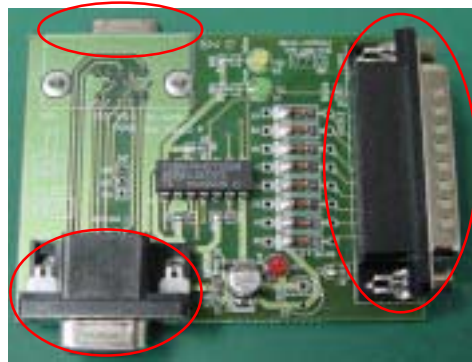
Notice: Upgrade your monitor with DDC when Main board is replaced

- VG700b monitor
- Fixture for DDC Keyin
- VGA Cable (P/N: 42.59901.004)* 2pcs
- PC (Personal Computer)
- DDC Keyin Program
- Power Adapter (P/N: 47.58301.001)
- Printer Cable

VG700b series

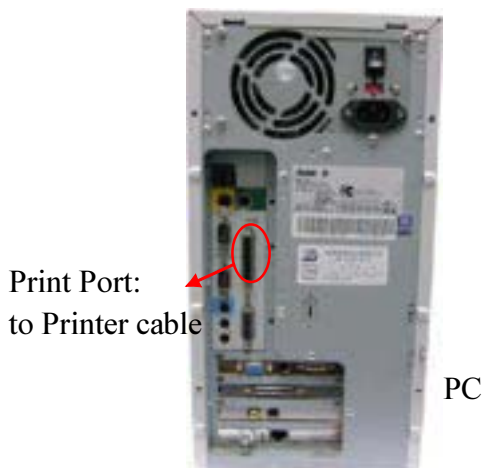


CON 2: VGA Out



CON3:
Print
Port

CON 1: VGA In



VGA Cable (P/N : 42.59901.004)



Printer Cable



Power Adapter (P/N: 47.58301.001)

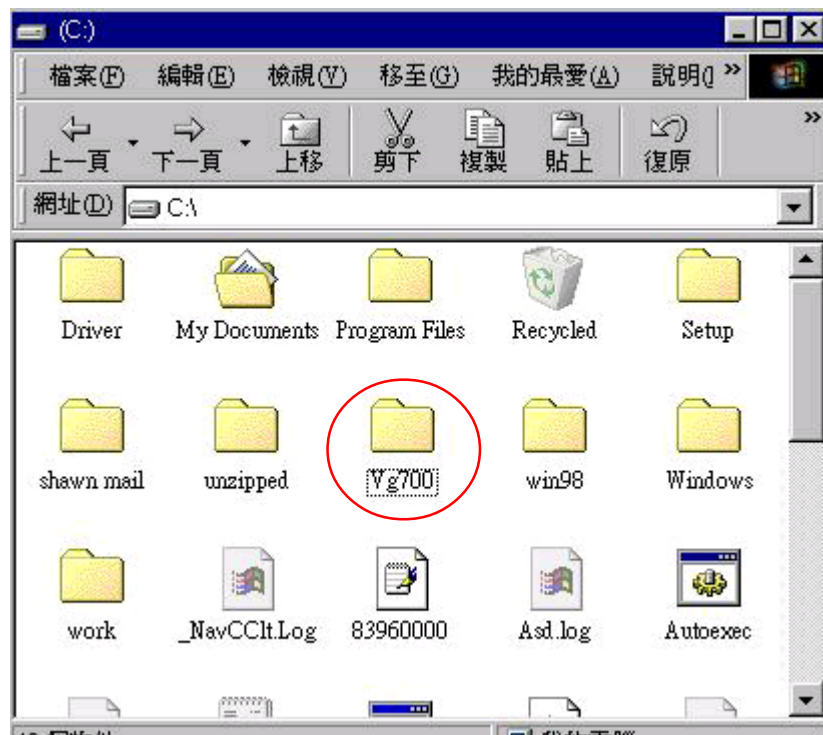
8-2 Hardware Setup Procedure

1. Connect Con1 of Fixture to VGA Port of PC.
2. Connect Con2 of Fixture to VGA Port on VG700b monitor.
3. Connect Con 3 of Fixture to Print Port of PC.



8-3 DDC Keyin Procedure

1. Save "DDC Keyin" Program in Computer:

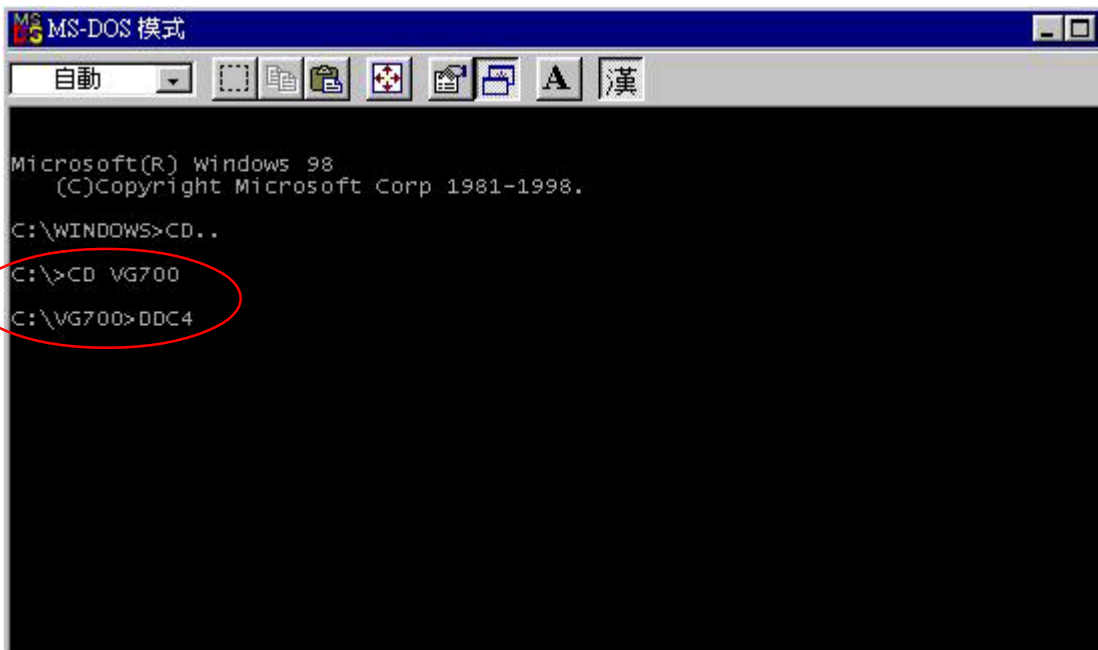


2. *Get into DOS mode.*

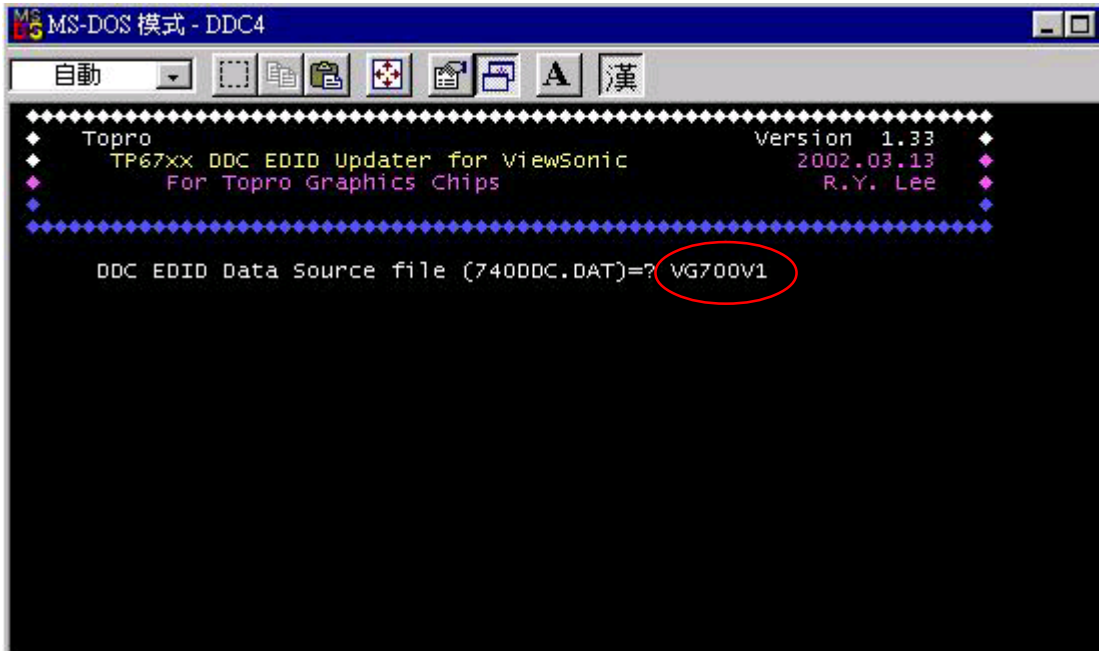


VG700b series

3. *Get into "DDC Keyin" program where you save.*

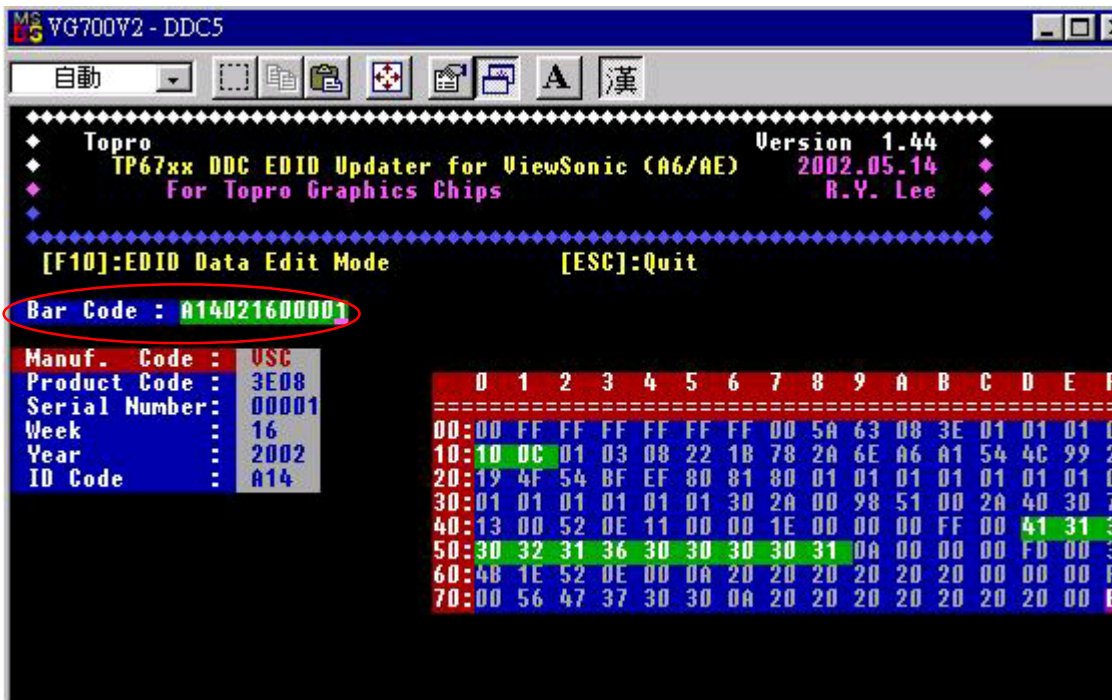


4. Key in "VG700V1" after DDC EDID Data Source file (740DDC.DAT)=?

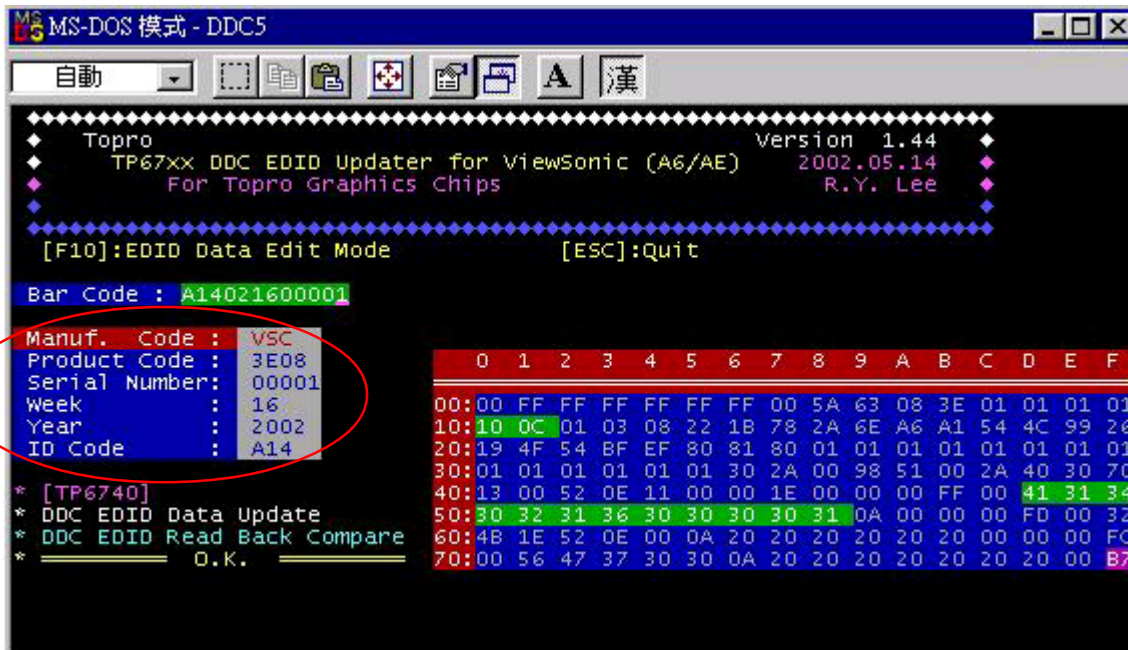


5. Key in S/N (Serial Number) or use bar code reader scanning, then press "Enter" to begin programming.

VG700b series



6. The successful picture is as the following:



VG700b series

7. Press “**I**” on the select knob. then choose “information” to check if S/N is correct. Get into “Burn In Mode” (Ref.6-2), press any button besides “Power” button to double check if the S/N is correct.

Chapter 9 Panel Specification

9-1 LCD Panel (Model#:M170EN04)

A. Mechanical Specifications

Display Resolution	1280*1024
Dimensions	383.5(W)*306.5(H)*20.0(D)mm(Typ.)
Active Area	337.92*270.34mm
Pixel Pitch	0.264*0.264mm
Aspect Ratio	5:4
Mass Typical	2,000g

B. Optical Performance

Contrast Ratio	450:1 (max), 400:1(typ),250:1(min)
Luminance of White (Center)	280 cd/m ² (max), 250 cd/m ² (typ),200 cd/m ² (min)
White Uniformity	>85% Min. (5 points measurement)
Viewing Angle H, V (CR>10)	H:140°, V=140°
Response time (ms)	Typical Tr=25ms; Tf=15ms, Maximum Tr=35ms; Tf=25ms
Number of Backlight	4 CCFL
Backlight Life	50,000 hours (Typ.)/ 30,000 hours (Min.)

Chapter 10 Packing for Shipping

10-1 Package

1. Take the ESD Bag to put on the Monitor, then fold the surplus ESD bag and paste the tape.



Paste the tape on it.

VG700b series

2. Put the Cushions on the monitor. (Figure 3)



3. Take carton to put the monitor into the Carton and paste the tape on the bottom of carton.



Paste the tape on the bottom

4. Pay attention to the direction the monitor should face, when inserting it into the carton, to ensure adequate protection during shipment.

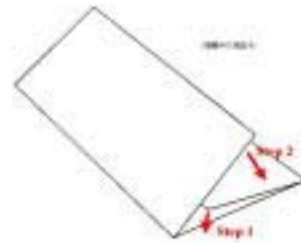
VG700b series



Rear of Monitor

Front of Monitor

5. Warranty card for China area:
 - (a) Paste the label barcode on the right side of two columns of “model name” and “model number”.



- (b) Put *Warranty sticker* into User’s guide set, attention the direction.
- (c) Put *Warranty card* into User’s guide set, attention the direction.
- (d) Paste the *Shipping warranty sticker* on the Carton,
Notice: TCO99 mark must be covered.

VG700b series



Warranty card



Shipping Warranty sticker



shipping warranty sticker

6. Warranty card for Japan area:
 - (a) Put *Warranty sticker* into User's guide set, attention the direction.
 - (b) Paste the *label barcode* on the warranty card.
 - (c) Put the *Warranty card* into the *envelope* and then put this envelope into the shipping bag.
 - (d) Paste the *Shipping bag* on the Carton. (paste it on the other side)



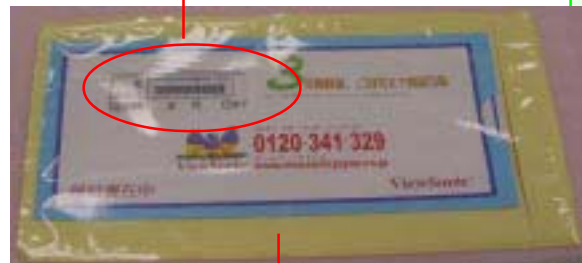
Warranty sticker



Warranty card



Warranty card



Shipping Bag

VG700b series



Paste it on the Carton label

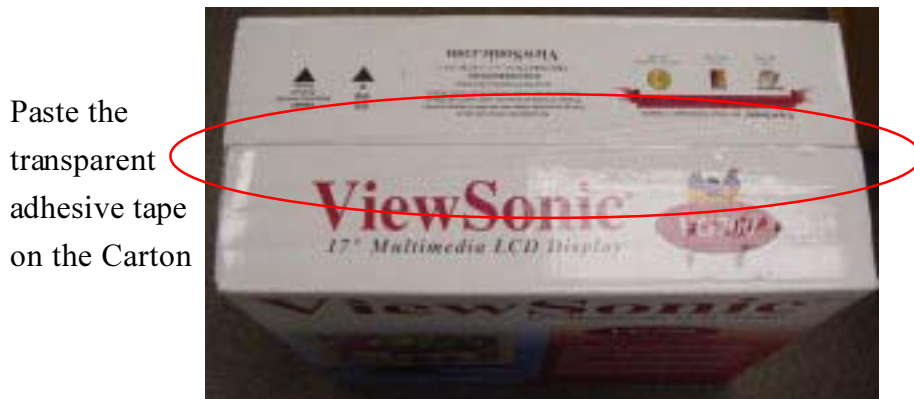
Notice:

Warranty card
can't be put on
the View Sonic
logo.

View Sonic logo



7. Put the accessories into Carton.(1)Power cord (2)VGA cable (3)Audio cable (4)Power adapter and then put User guide into Carton.



VG700b series

Chapter II Appendix

11-1 The Serial Number System Definition

11-1.1 Serial Number for LCD Display

PPP YY WW AAAAA
① ② ③ ④

- ① : PPP: Regional product ID code (ex:**A1R**:VG700b.... series)
- ② : YY: Last 2 digits of manufacturing year (ex: 2001 - 1, 2002 - 2)
- ③ : WW: Manufacturing week
- ④ : AAAAA: Sequence number

EX: A1R021200003

This label “**A1R021200003**” represents whole serial number for VG700**b** series model. It’s produced on 12-week of 2002 and its serial code is 00003.

11-1.2 Serial Number for PCBA Main Board

M VV B Y X G1 EEEE
 (1) (2) (3) (4) (5) (6) (7)

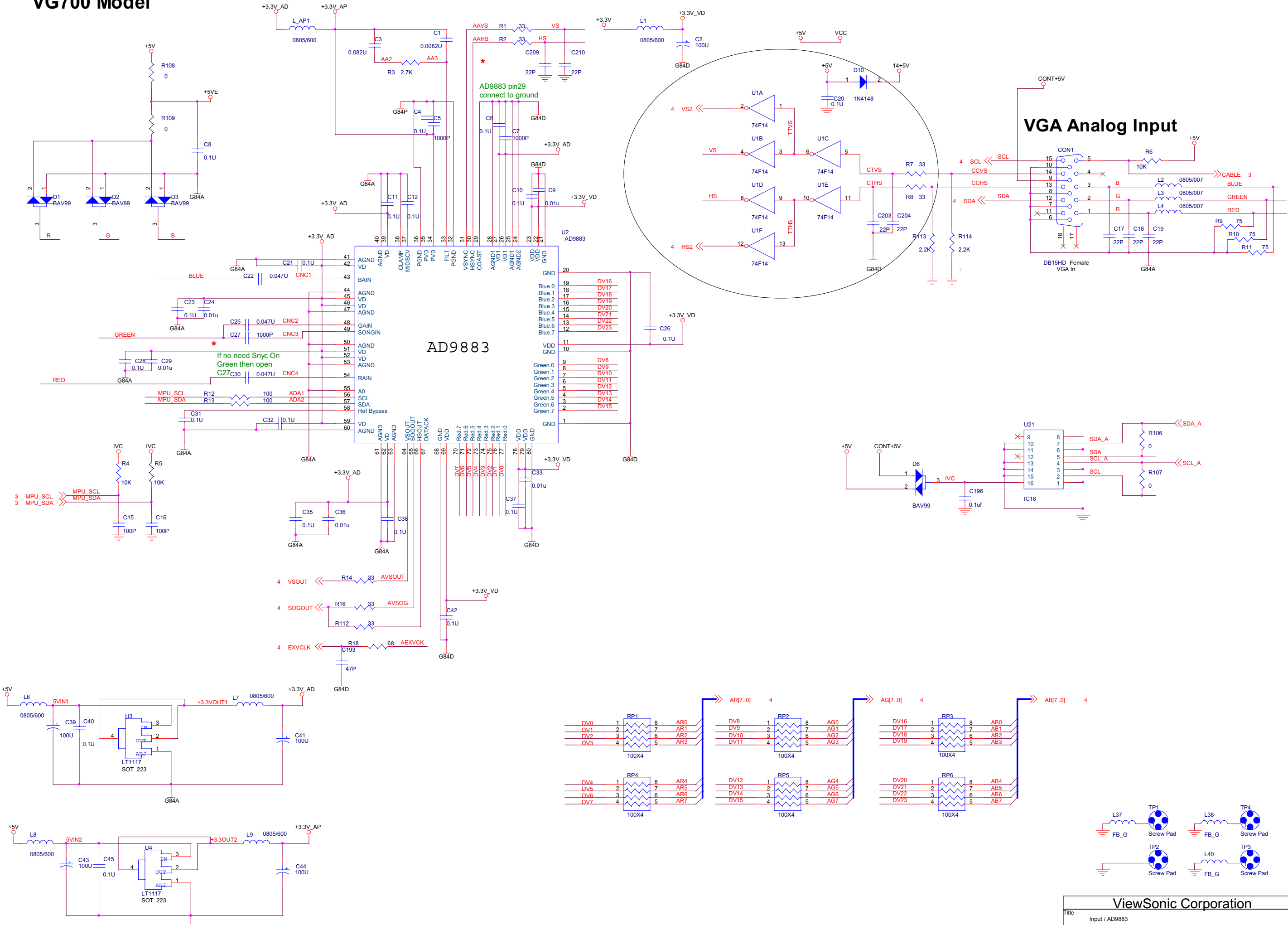
- (1) : M = Vendor (ex: M= Might,)
- (2) : VV = Model Code (ex: I7= VG700b series...etc.)
- (3) : B = Main Board (ex: M= Main Board)
- (4) : Y = Last Number of the Year (ex: 2001 - 1, 2002 - 2)
- (5) : X = Month (ex: Jan.~Sept.=1 ~ 9, Oct.~Dec.=X, Y, Z)
- (6) : G1 = Version (ex: G1.....etc.)
- (7) : EEEE = Serial Code (from 0001~)

EX: MI7M29G10003

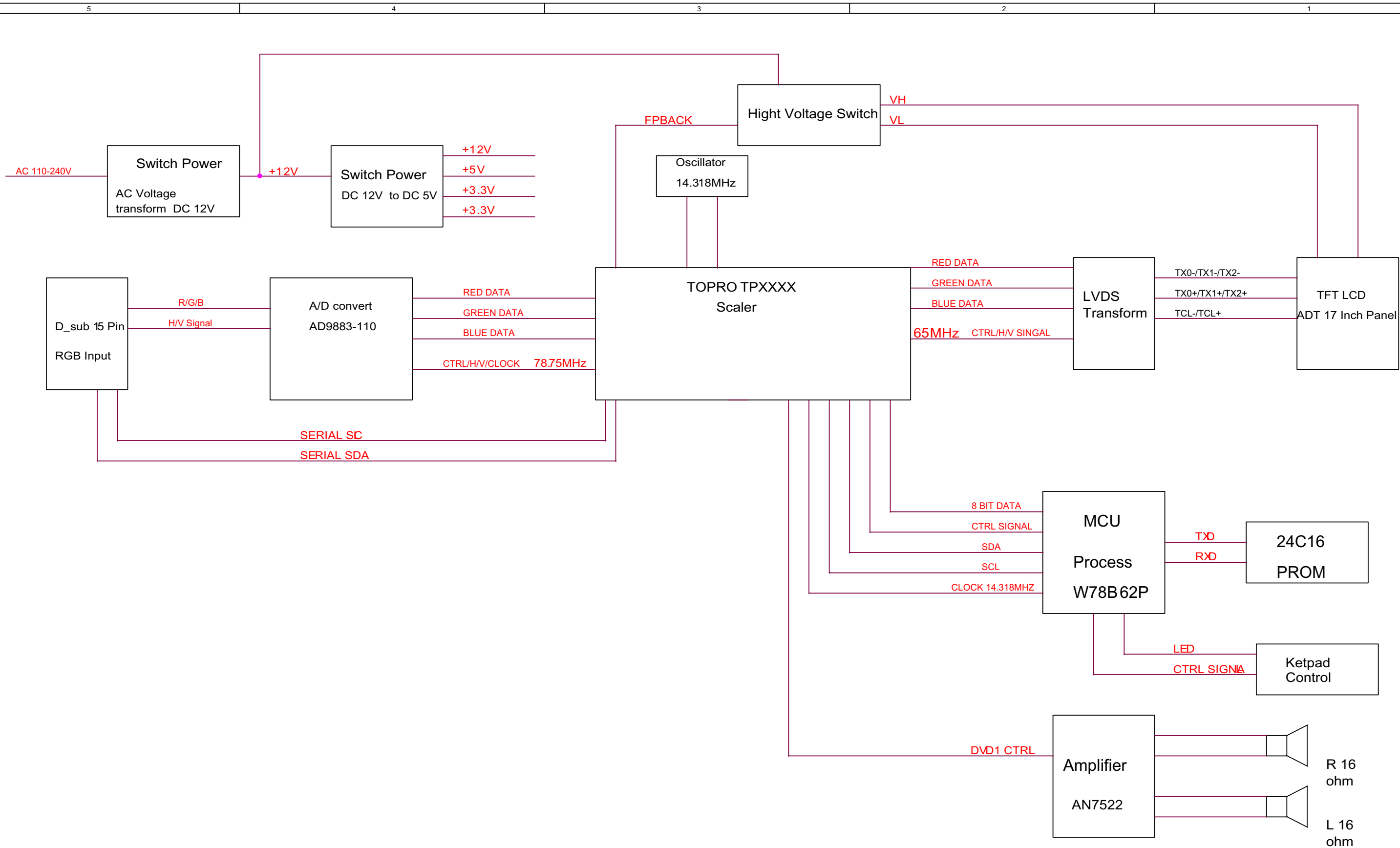
This label “MI7M23G10003” represents Main board of version G1 for VG700b on Sept., 2002. Its serial code is 0003.

VG700b series

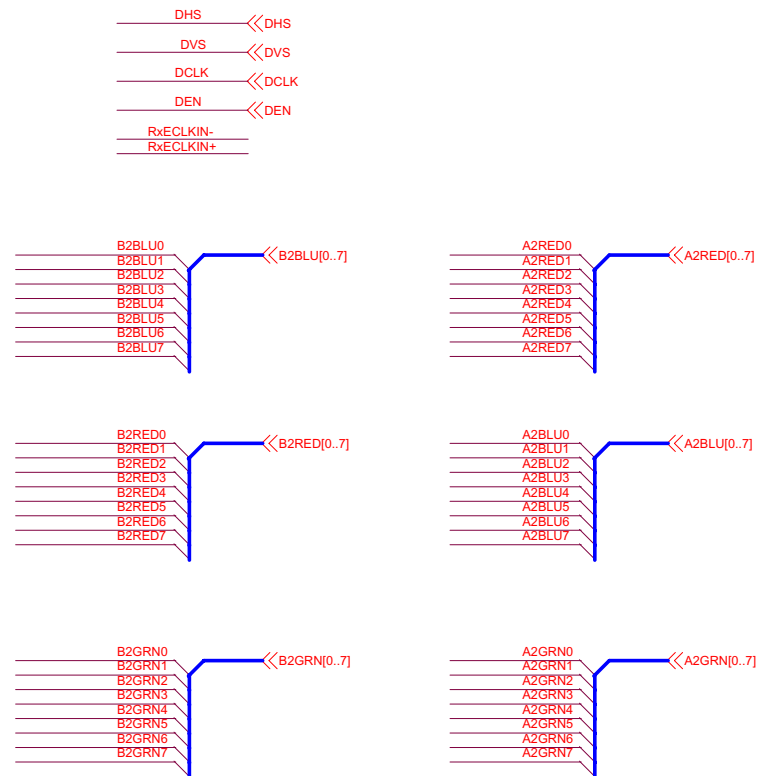
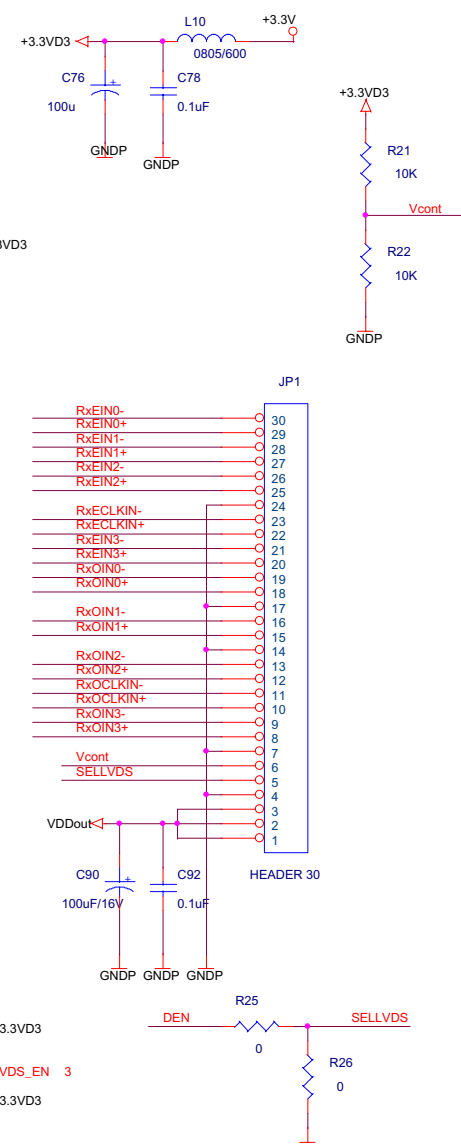
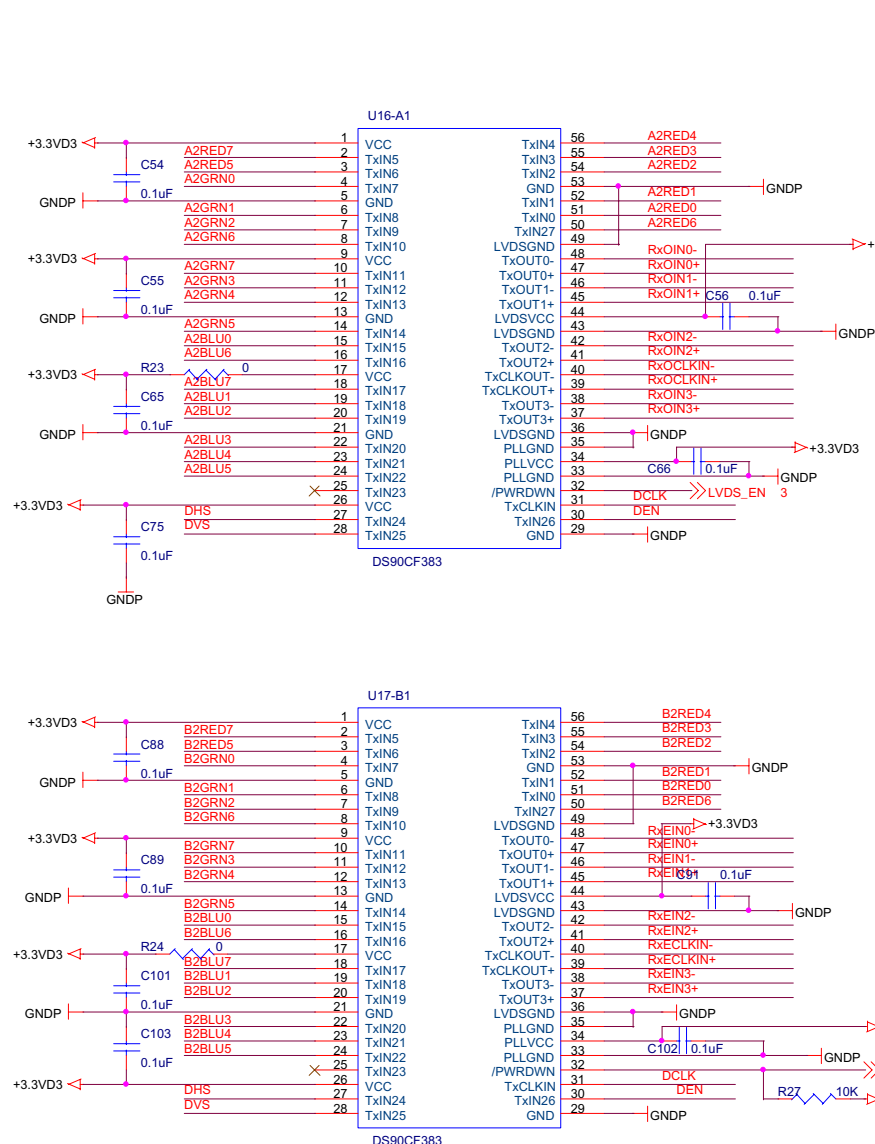
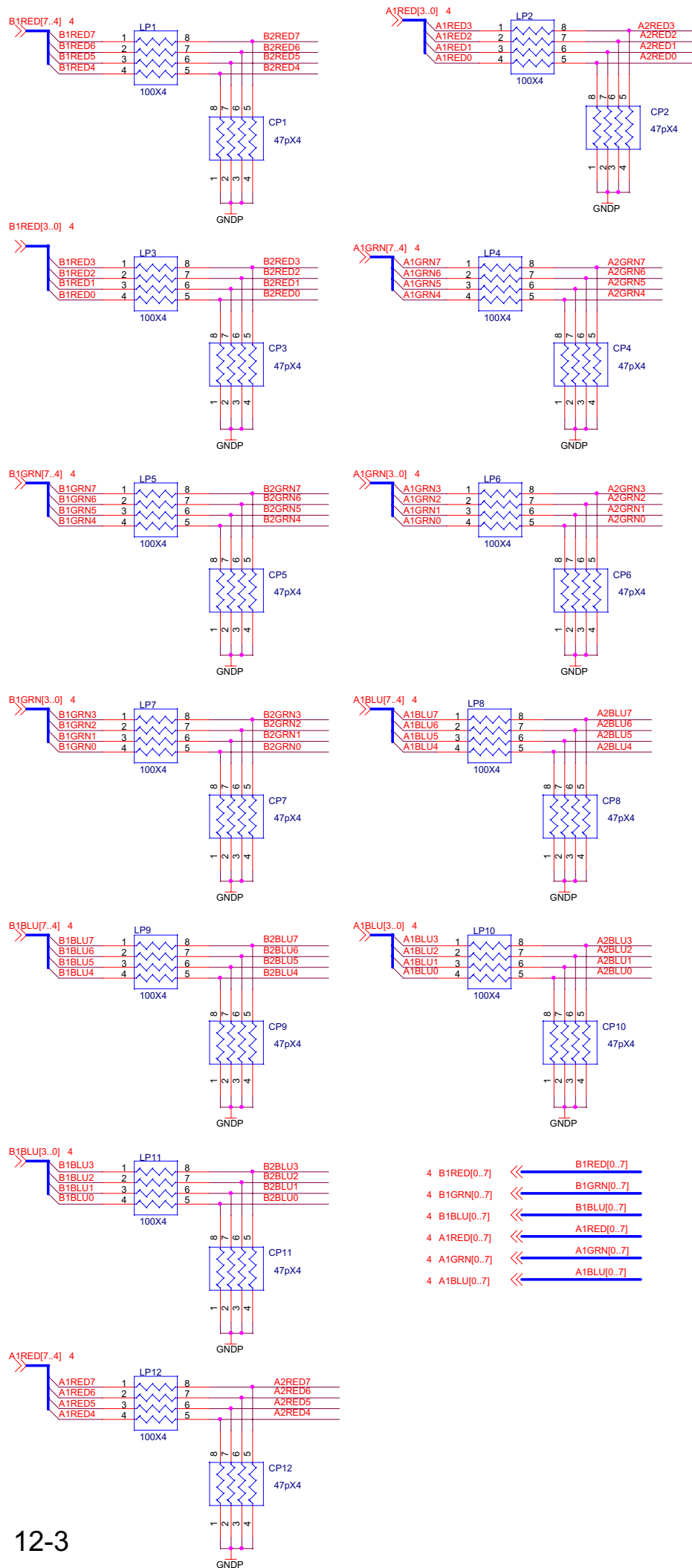
VG700 Model

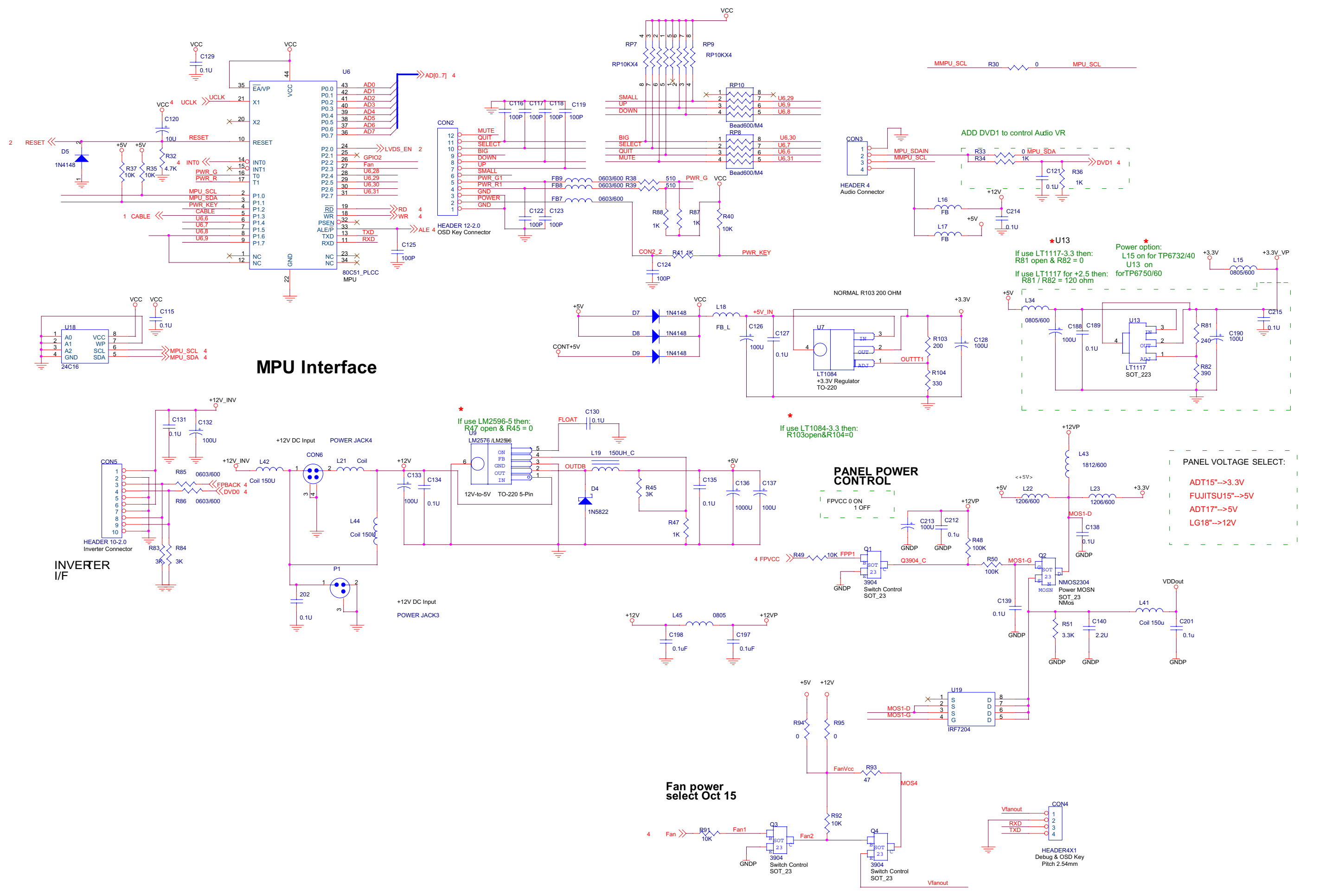


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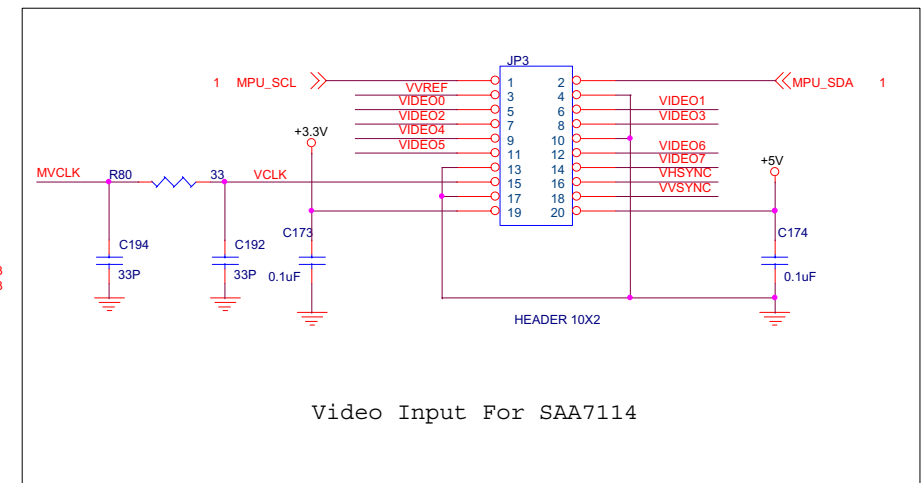
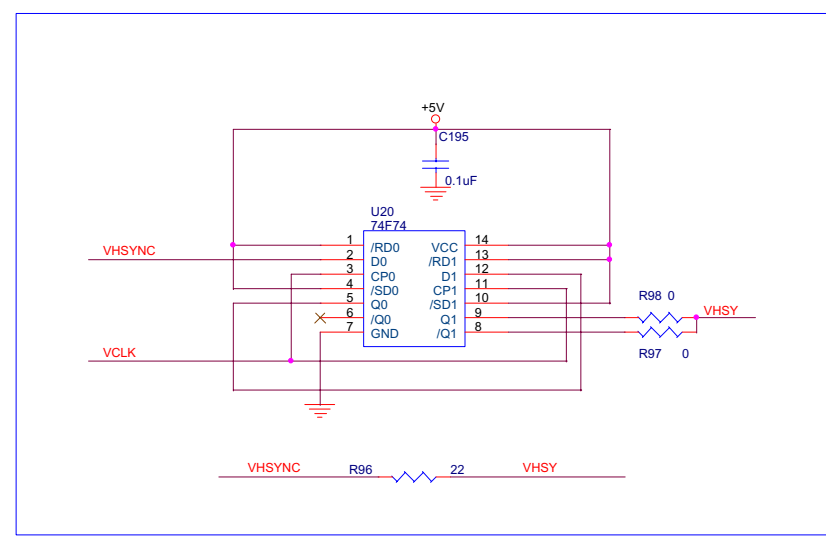
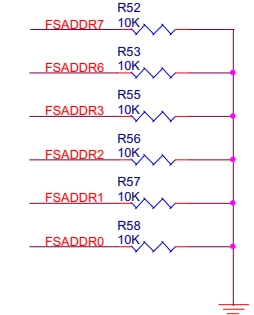
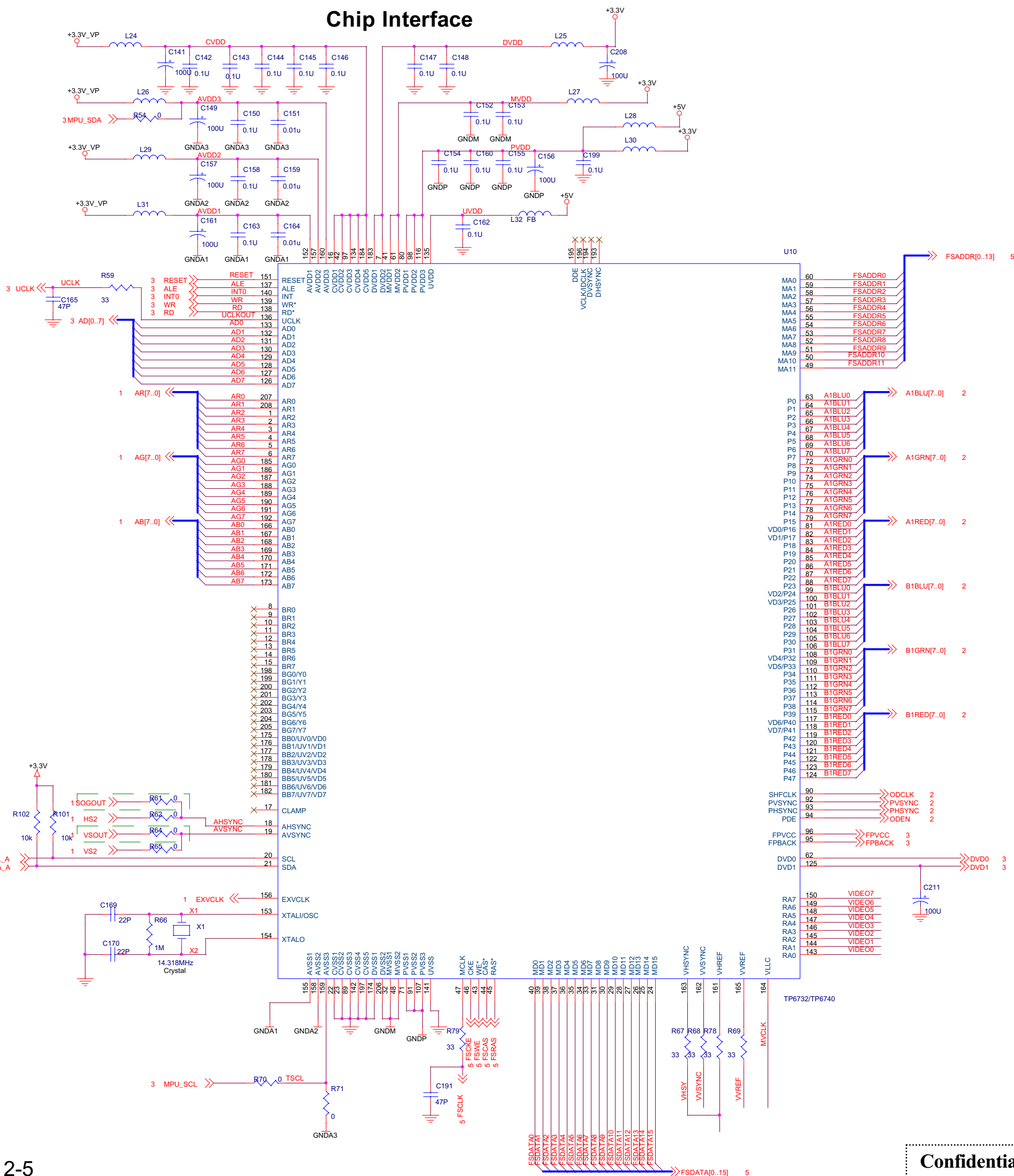


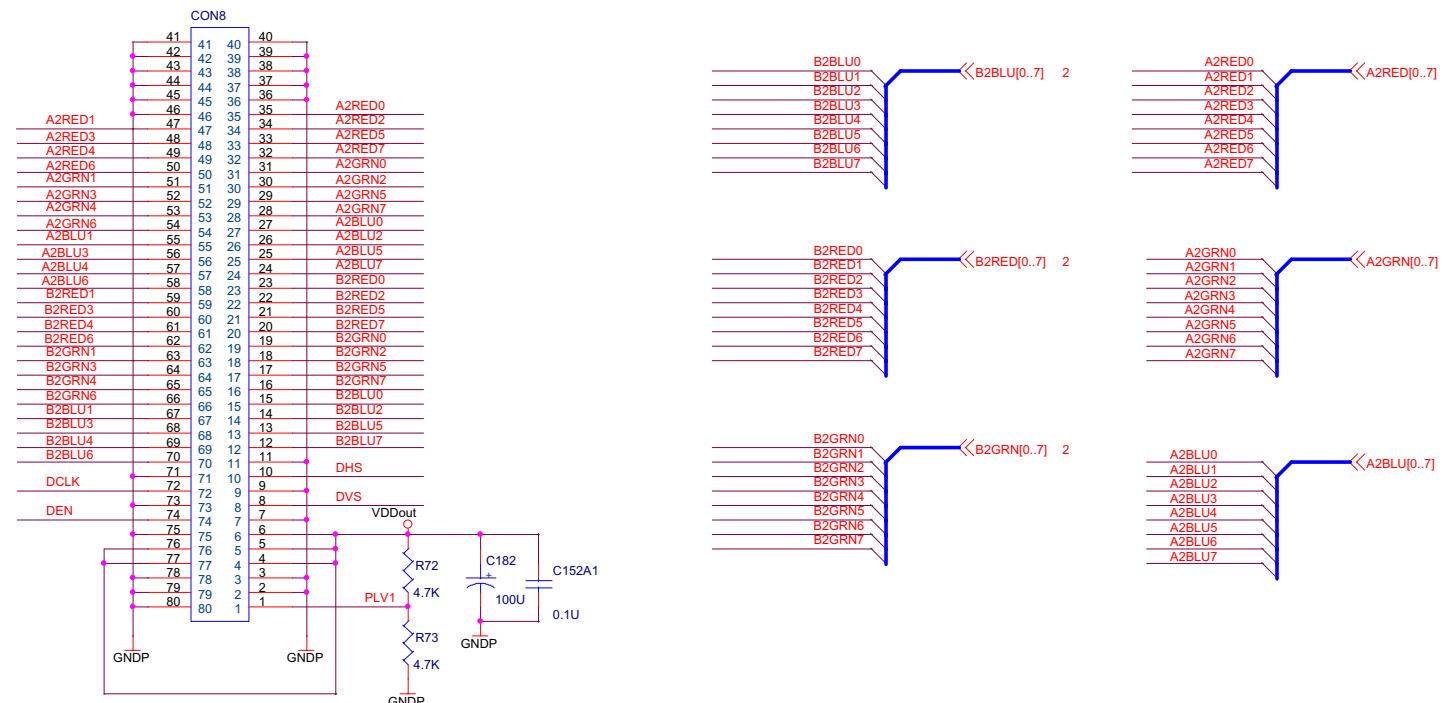
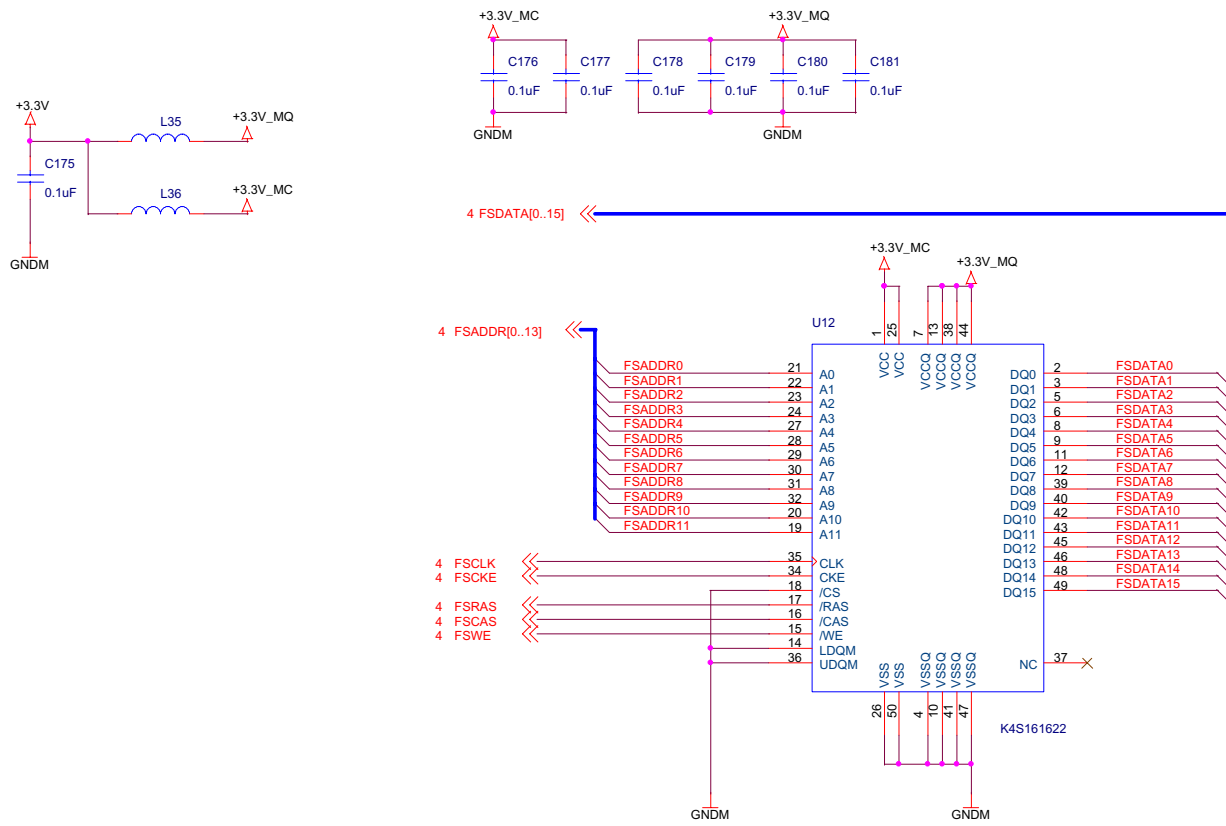
ViewSonic Corporation		
Title DIAGRAM		
Size B	Document Number VG700	Rev H
Date: Wednesday, June 05, 2002	Sheet 1	of 1
M04-3005F1 Rev.A		



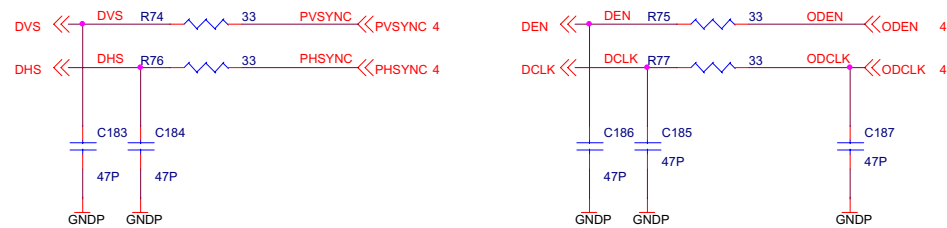


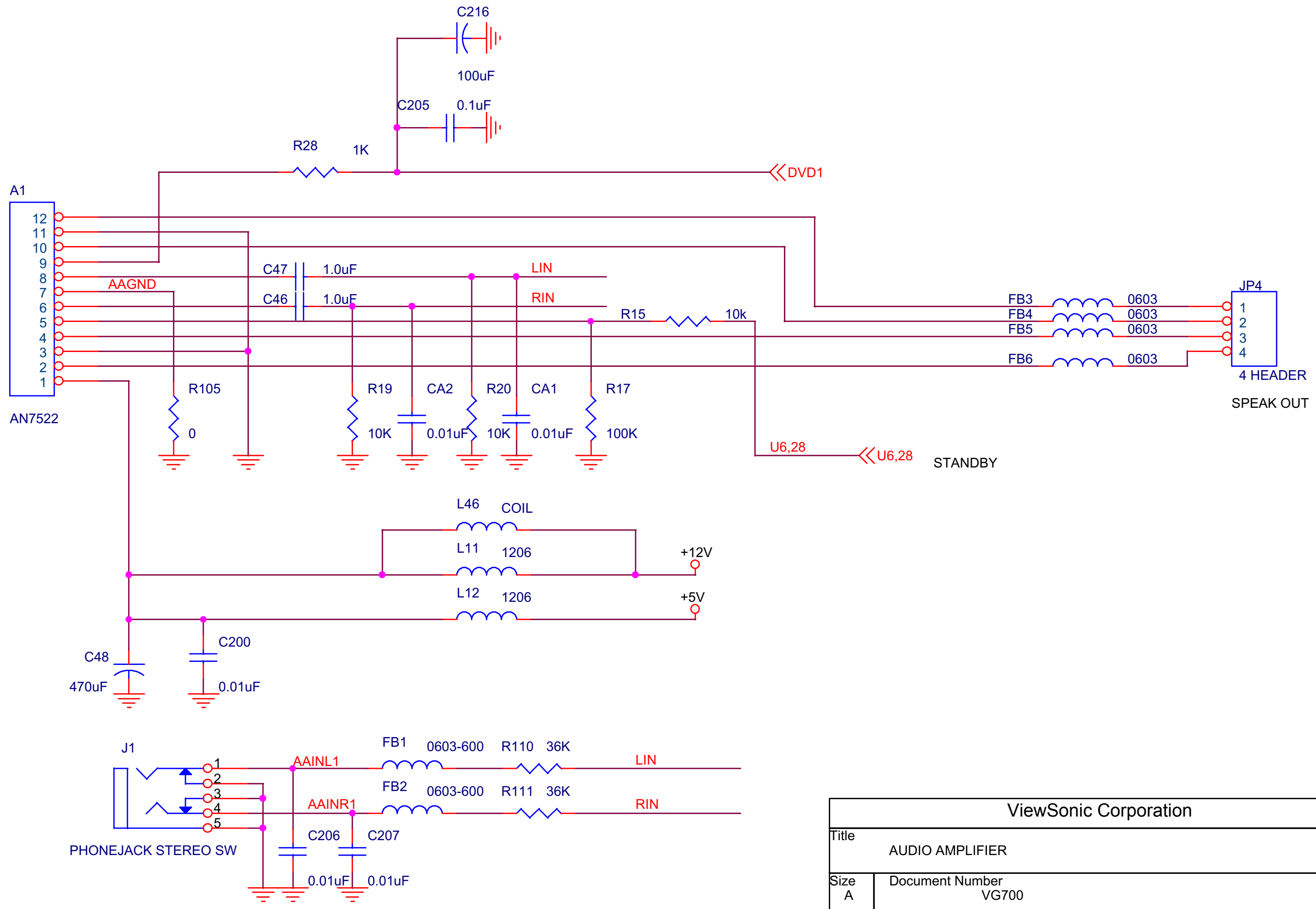
Chip Interface





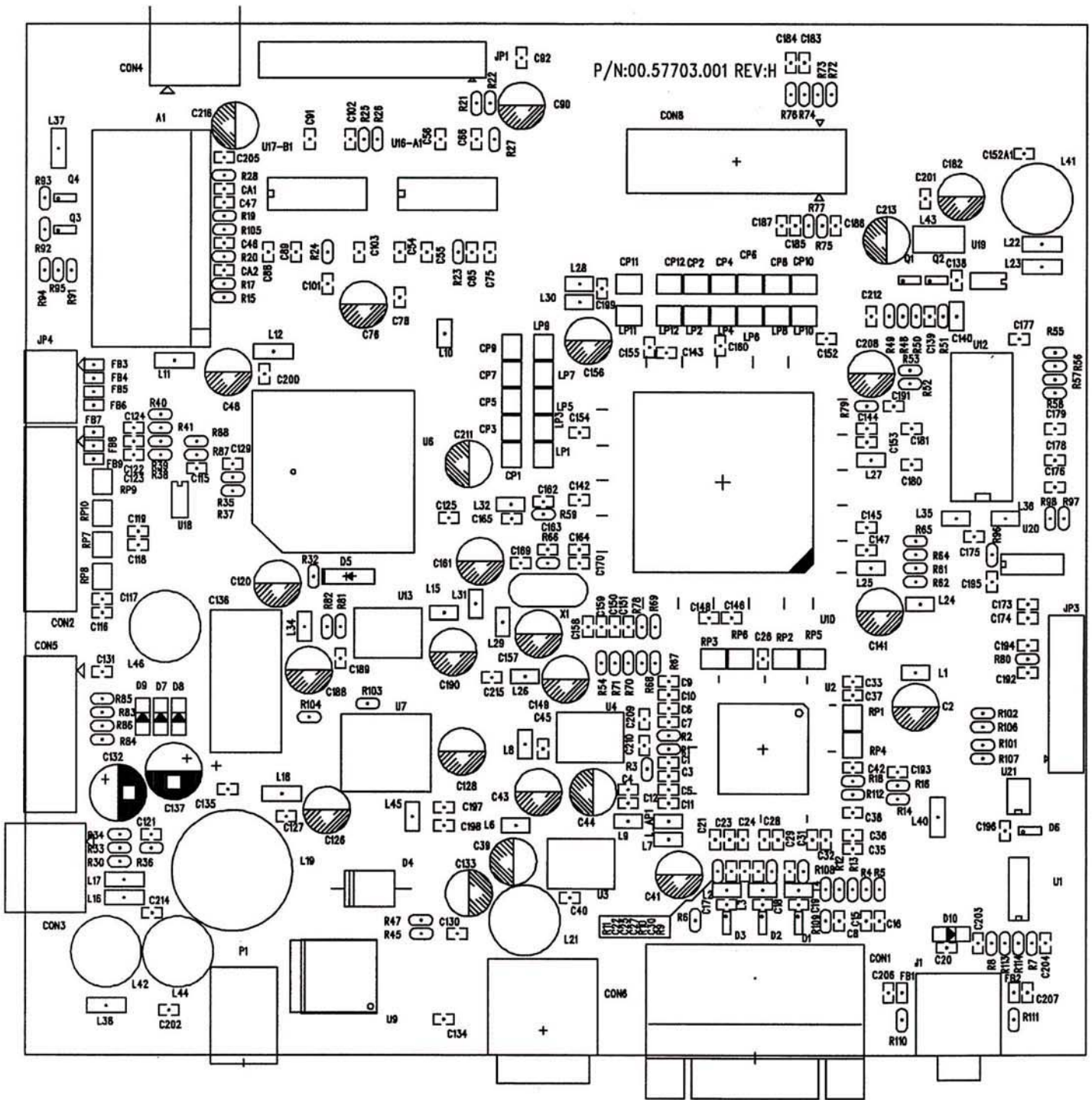
LCD Panel Connector
Ground Plane: GNDP





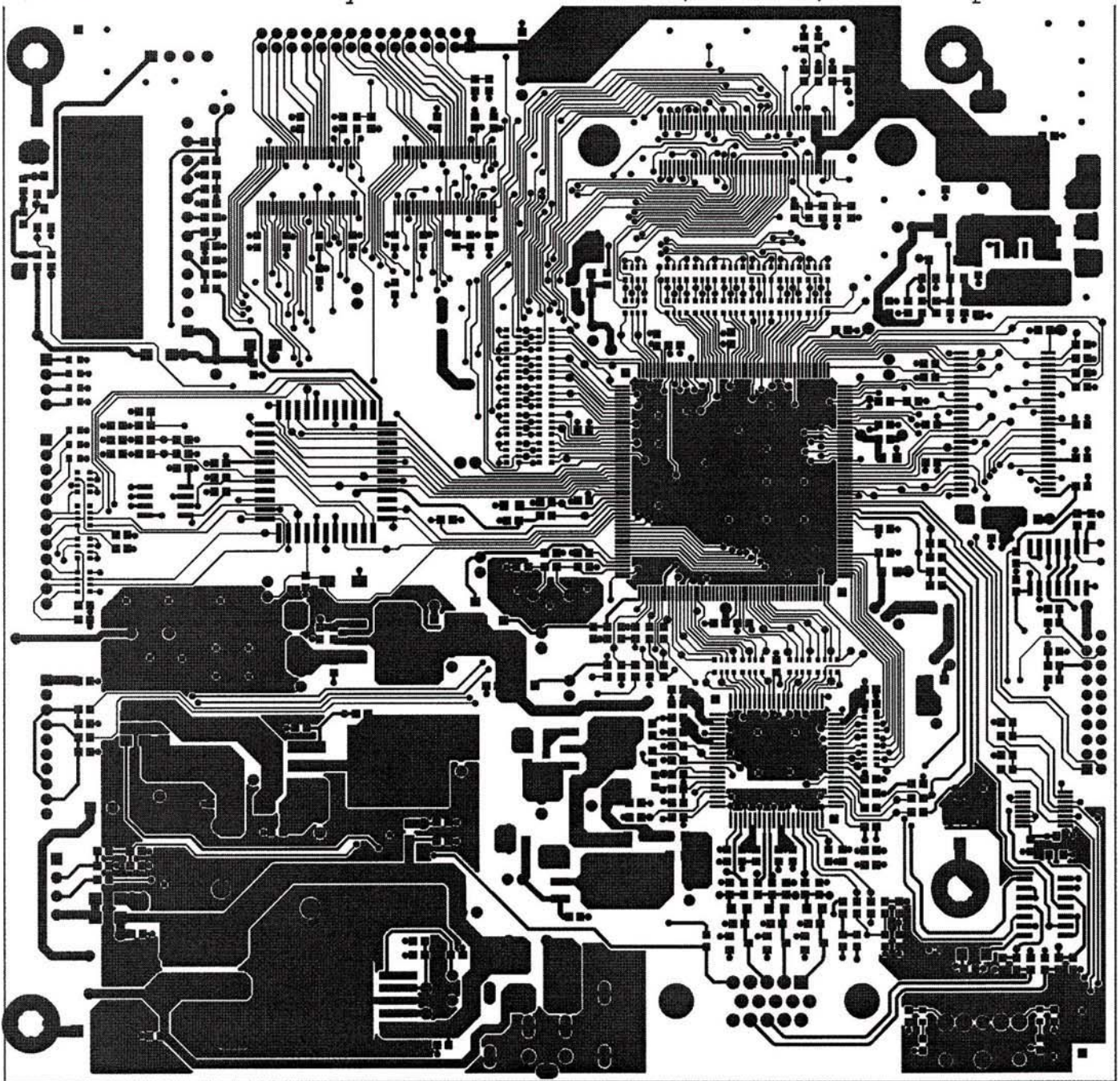
ViewSonic Corporation		
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Size A	Document Number VG700	Rev H
Date:	Wednesday, June 05, 2002	Sheet 6 of 6
M04-3005F1 Rev.A		

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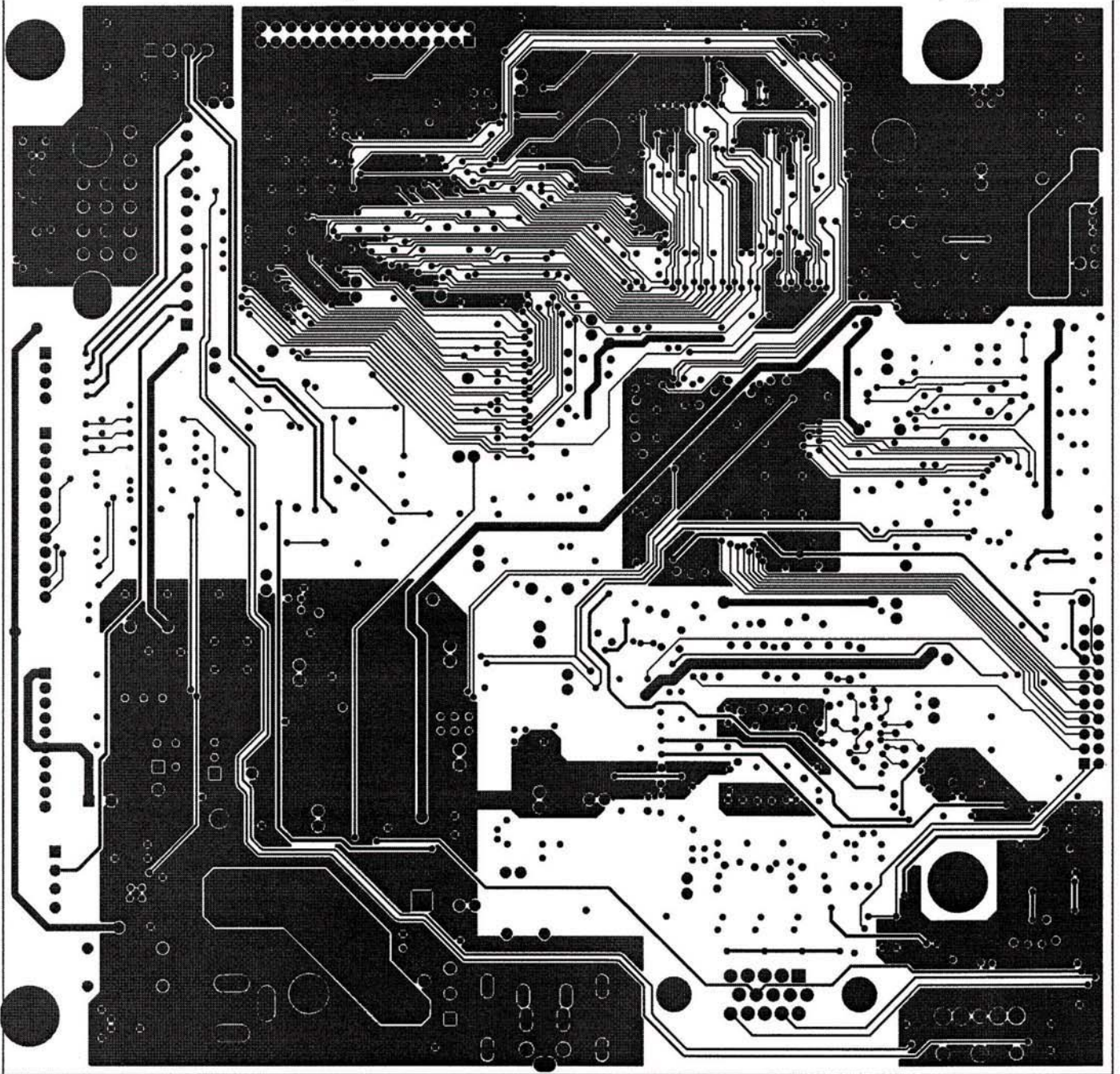


P/N:00.57703.001 REV:H

ViewSonic Corporation		TEL:(03)5794780 FAX:(03)5794782 E-Mail:sun8541@ms12.hinet.net	
BOARD NAME	PV755AV	PART No.	
LAYER NAME	SILKSCREEN (COMP. SIDE)	DATE	3/26/2002
		SHEET	7 OF 8



ViewSonic Corporation		TEL:(03)5794780 FAX:(03)5794782 E-Mail:sun8541@ms12.hinet.net	
BOARD NAME	PV755AV	PART No.	
LAYER NAME	1 ST LAYER (COMP. SIDE)	DATE	3/26/2002
		SHEET	1 OF 8



ViewSonic Corporation		TEL:(03)5794780 FAX:(03)5794782 E-Mail:sun8541@ms12.hinet.net	
BOARD NAME	PV755AV	PART No.	
LAYER NAME	4'TH LAYER (SOLD. SIDE)	DATE	3/26/2002
		SHEET	4 OF 8

14. VG700B RECOMMENDED PARTS LIST

Item	CATEGORY	PART NAME	DESCRIPTION	VIEWSONIC P/N	REFERENCE
1	CABLES	CONTROL WIRE	W.A. 12P UL1571 #28 260mm (MB TO CTRL)	M-WR-0828-0657	42.58203.011
		INVERTER WIRE	W.A. 10/6P UL1007 #24 100mm VG700(INV)	M-WR-0828-0644	42.58301.001
		INTERFACE WIRE	W.A. 30P UL20276 #28 200mm+CORE	M-WR-0828-0636	42.58302.001
		AUDIO CABLE	CABLE AUDIO 1.8M LM/BK/LM VX2000	A-AU-0120-0032	42.59903.001
		VGA CABLE	CABLE VGA 15P 1800mm 2 CORE	A-VC-0101-0265	42.59901.004
		POWER CORD	CABLE POWER CORD 1830mm SP-023+IS14 EUR.	A-PC-0106-0186	42.50112.001
		POWER CORD	CABLE POWER CORD 1830mm (JPN) BLACK	A-PC-0106-0190	42.50116.002
		POWER CORD	CABLE POWER CORD 1.8M±0.1M (CHINA)	A-PC-0106-0187	42.50126.001
		POWER CORD	CABLE POWER CORD 1.8M±0.1M UNSHIELD (NA)	A-PC-0106-0188	42.57207.001
		POWER CORD	CABEL POWER CORD 1830mm PC TYPE COLOR:BLACK	A-PC-0106-0189	42.58204.001
2	ADAPTER	ADAPTER	ADAPTER IN:100-240V OUT:12V/3.33A;LSE	A-AD-0114-0149	47.58301.001
3	LCD	LCD PANEL	TFT LCD 1280*1024 17" ADT L170E3 PANEL	M-LCD-0826-0120	48.56902.001
4	SPEAKERS	SPEAKER	ASSY SPEAKER 3W/16R 3mm EVA FILM/PU MATERIA	E-SK-0412-0057	49.58502.002
5	CASE /COVER /BRACKET ASSEMBLY	FRONT COVER	FRONT COVER ABS HB-VS08A;VG700b	C-FP-0301-0901	51.58301.002
		REAR COVER	REAR COVER ABS HB-VS08A VG700b	C-BC-0302-0442	51.58302.002
		BASE COVER	BASE COVER ABS HB-VS08;VG700b	M-CV-0830-2343	51.58311.002
		FRONT ARM	FRONT ARM ABS HB-VS08;VG700b	M-MS-0808-8300	51.58312.002
		REAR ARM	REAR ARM ABS HB-VS08;VG700b	M-MS-0808-8302	51.58313.002
		BASE PLATE	BASE PLATE SGCC 2.0t VG700/750/700b	M-MS-0808-8146	61.58303.001
		COSMETIC CAP	ASSY COSMETIC CAP CS-VS08 VG700b	M-MS-0808-8298	75.58301.002
		COSMETIC CAP	COSMETIC CAP ABS HB-VS08 VG700b	M-MS-0808-8297	51.58303.002
		HINGE	HINGE TILT SPHC 2.0t VG700/750/700b	M-MS-0808-8145	61.58302.001
		HINGE CAP	HINGE CAP ABS HB-VS08;VG700b	M-MS-0808-8301	51.58304.002
6	MISCELLANEOUS	NAMEPLATE	NAMEPLATE ELLIPSE ViewSonic	M-MS-0808-8299	51.58711.002
		RUBBER FOOT	RUBBER FOOT 25*10*1.2t	PL-PD-0714-0064	52.00003.001
7	BOARDS	INVERTER BOARD	PCBA INVERTER PLCD2417414 EMAX	B-SB-0221-0447	44.58302.001
		CONTROL BOARD	PCBA CTRL BD	B-CB-0206-0135	80.58202.001
		MAIN BOARD	PCBA MAIN BD VG700/700b	B-MB-0201-0671	80.58301.001
8	PACKAGE	LABEL	LABEL CARTON 76*76mm	M-LB-0813-0706	35.58203.001
		MANUAL	USER'S GUIDE MULTILINGUAL+CD, VG700b	A-CD-VG750	36.58302.002
		BAG	EPE BAG 540*750*0.5t W/HOLE, VG700b	M-MS-0808-8334	51.00081.005
		CARTON	CARTON AB VG700b	P-BX-0601-0748	55.58301.002
		CUSHION	CUSHION-R EPS VG700	P-FM-0602-0752	56.58301.002
		CUSHION	CUSHION-L EPS VG700	P-FM-0602-0753	56.58302.002
		SMALL CUSHION	EPE CUSHION, VG700b	P-FM-0602-0799	56.58303.001

COMPLETE PARTS LIST

Date: Sep-24-2002

Item: 95.58304.00V

Description: VG700b LCD DISPLAY;"VIEWSONIC", Midnight Gray, AU-M170EN04,WW

UOM: SET

Level	Item Seq	ViewSonic P/N	Component Substitutes	Rev	Description Location	UOM	Q'ty
1	10		DC.58302.001	A	D.C. VG700b,AUO (MIDNIGHT GRAY)	Pcs	1
2	10		35.58303.002	A	LABEL BRACKET 168*82.5mm VG700b	Pcs	1
2	20	M-LB-0813-0726	35.58302.001	A	LABEL BAR CODE 40*40mm ViewSonic	Pcs	1
2	30		35.58304.001	A	LABEL BARCODE 40*14 ViewSonic	Pcs	1
2	40	A-AD-0114-0149	47.58301.001	A	ADAPTER IN:100-240V OUT:12V/3.33A;LSE	Pcs	1
2	50		51.00014.002	A	FILAMENT TAPE 3M NO.8915 25mm*55M	ROL	0.0045
2	60	M-MS-0808-8301	51.58304.002	A	HINGE CAP ABS HB-VS08;VG700b	Pcs	1
2	70	M-MS-0808-8302	51.58313.002	A	REAR ARM ABS HB-VS08;VG700b	Pcs	1
2	80	M-MS-0808-8299	51.58711.002	A	NAMEPLATE ELLIPSE CS-VS08 ViewSonic	Pcs	1
2	90		70.58306.001	A	ASSY DISPLAY VG700b,AUO (MISNIGHT GRAY)	Pcs	1
3	10		35.00010.002	A	LABEL CAUTION HIGH VOLTAGE 25.4*19mm	Pcs	1
3	20	M-LB-0830-0695	35.58202.001	A	BIRD LOGO AL E015-001 ViewSonic	Pcs	1
3	30	M-LB-0813-0726	35.58303.001	A	LABEL BRACKET 168*82.5mm VG700	Pcs	1
3	40		35.90305.001	A	ViewSonic AL-LOGO	Pcs	1
3	50		39.58302.002	A0	1 DDC RECORDER VG700b	Pcs	1
3	60		41.57708.001	A	EMI TAPE(80773)35*40mm	Pcs	1
3	70	M-WR-0828-0657	42.58203.011	B	W.A.12P UL1571#28 260mm W/CORE(MB/CTRL)	Pcs	1
3	80	M-WR-0828-0636	42.58301.001	A	W.A. 10/6P UL1007 #24 100mm VG700(INV)	Pcs	1
3	90	M-WR-0828-0644	42.58302.001	A	W.A. 30P UL20276 #28 200mm+CORE	Pcs	1
3	100	B-SB-0221-0447	44.58302.001	A	PCBA INVERTER PLCD2417414 EMAX	Pcs	1
3	110	M-LCD-0826-0120	48.56902.001	A	TFT LCD 1280*1024 17" ADT L170E3 PANEL	Pcs	1
3	120	E-SK-0412-0057	49.58501.002	A	ASSY SPEAKER 3W/16R 3mm EVA FILM/PU MATERIA	Pcs	1
3	130		51.00028.001	A	WIRE MOUNTS PG-FW-4D TFT450	Pcs	1
3	140	C-FP-0301-0901	51.58301.002	A	FRONT COVER ABS HB-VS08A;VG700b	Pcs	1
3	150		51.58305.001	A	INSULATION MYLAR FOR VG700/750	Pcs	1
3	160		51.58306.001	A	LIGHT LEAKAGE 24*34*0.05mm MYLAR VG700/750	Pcs	2
3	170	M-MS-0808-8239	51.59901.001	A	ACETATE TAPE W=20mm	CM	7.5
3	180		52.00004.002	A	RUBBER PAD CS-VS08 VG700b	Pcs	4
3	190		52.58301.001	A	RUBBER FOOT 10*10*12mm(H)	Pcs	1
3	200		61.58301.001	A	SUPPORT BRKT SECC 0.8t VG700(ADT)	Pcs	1
3	210	M-MS-0808-8298	75.58301.002	A	ASSY COSMETIC CAP CS-VS08 VG700b	Pcs	1
4	10		51.58206.002	A	SELECT KNOB ABS HB-VS08;VG500	Pcs	1
4	20	M-MS-0808-8176	51.58207.001	A	LED LENS ACRYLIC VG500	Pcs	1
4	30	M-MS-0808-8297	51.58303.002	A	COSMETIC CAP ABS HB-VS08 VG700b	Pcs	1
3	220		75.58302.002	A	ASSY REAR COVER CS-VS08 VG700b	Pcs	1
4	10	C-BC-0302-0442	51.58302.002	A	REAR COVER ABS HB-VS08A VG700b	Pcs	1
4	20		61.00042.001	A	LOCK BRKT+CAP SECC 0.8t	Pcs	1
3	230	B-MB-0201-0671	80.58301.001	H5	PCBA MAIN BD VG700	Pcs	1
4	10		00.57703.001	H	BARE PCB L:4 MAIN BD PV755AV	Pcs	1
4	15		01.00034.501	A	RES RP 0 5% 1/4W CHIP #1206	Pcs	3
					L37, L38, L40.		
4	20		01.00036.502	A	RES RP 0 5% 1/16W CHIP #0603;"TA-I TECHNOLO	Pcs	12
					R106,R107,R108,R109,R14,R16,R23,		
4	30		01.10136.501	A	RES RP 100 5% 1/16W #0603	Pcs	4
					R1, R12, R13. R2,		
4	35		01.10136.502	A	RES RP 100 5% 1/16W X4 V8V 8P SMD	Pcs	18
					RP1, RP2, RP3, RP4, RP5,RP6,LP1, LP3, LP4, LP5,		
					LP6. LP7,LP11,LP12,LP2,LP8,LP9, LP10,		
4	41		01.10236.502	A	RES RP 1K 5% 1/16W #0603;"TA-I TECHNOLOGY"	Pcs	3
					R41, R87, R88.		
4	45		01.10316.501	A	RES RP 10K 1% 1/16W CHIP #0603	Pcs	1
					R3.		
4	50		01.10336.501	A	RES RP 10K 5% 1/16W x4 V8V 8P SMD "PANASO	Pcs	2
					RP7. RP9,		
4	60		01.10336.502	A	RES RP 10K 5% 1/16W CHIP #0603;"TA-I TECHNO	Pcs	13
					R101,R102,R15, R27, R35,R37,R40, R49,R52,R58,		
					R6,R55,R56.		
4	70		01.10436.501	A	RES RP 100K 5% 1/16W CHIP #0603	Pcs	3
					R17. R48, R50,		
4	81		01.10536.501	A	RES RP 1M 5% 1/16W CHIP#0603	Pcs	1
					R66.		
4	85		01.20116.501	A	RES RP 200 1% 1/16W CHIP #0603	Pcs	1
					R103.		

...4	87	01.20236.501	A	RES RP 2K 5% 1/16W CHIP #0603;"TA-I TECHNOL R33.	Pcs	1
...4	90	01.22236.501	A	RES RP 2.2K 5% 1/16W CHIP #0603 R113,R114.R19, R20,	Pcs	4
...4	95	01.30116.501	A	RES RP 330 1% 1/16W CHIP #0603 R104.	Pcs	1
...4	100	01.30236.501	A	RES RP 3K 5% 1/16W CHIP #0603 R28, R34, R51, R84.	Pcs	4
...4	110	01.33036.502	A	RES RP 33 5% 1/16W CHIP #0603;"TA-I TECHNOL R59, R7, R74, R75, R76,	Pcs	6
...4	140	01.47236.501	A	RES RP 4.7K 5% 1/16W CHIP #0603 R32.	Pcs	1
...4	150	01.51136.501	A	RES RP 510 5% 1/16W CHIP #0603;"TA-I TECHNO R38. R39,	Pcs	2
...4	155	01.68036.501	A	RES RP 68 5% 1/16W CHIP #0603 R18, R77.	Pcs	2
...4	160	01.75016.501	A	RES RP 75 1% 1/16W CHIP #0603;"TA-I TECHNOL R10, R11, R9.	Pcs	3
...4	163	01.78216.501	A	RES RP 7.87K 1% 1/16W CHIP #0603 R110,R111.	Pcs	2
...4	170	02.10074.404	A	CAP CE 10u 20% 16V 4*7 RADIAL C120.	Pcs	1
...4	180	02.10174.404	A	CAP CE 100u 20% 16V 6.3*11 RADIAL 105 degre C126,C141,C156,C161,C182,C190C44. C48, C90., C2, C208,C216,C39,C41,	Pcs	14
...4	195	02.10274.403	A	CAP CE 1000u 16V 20% 10*20mm 105°C (HD) LOW C136.	Pcs	1
...4	200	02.10547.102	A	CAP CC 100pF 5% 50V NPO #0603 C116,C117,C118,C119,C122, C123, C124, C125.	Pcs	8
...4	210	02.10647.101	A	CAP CC 1000pF 10% 50V X7R #0603 C24.	Pcs	1
...4	215	02.10747.101	A	CAP CC 0.01uF 10% 50V X7R #0603;"YCTC""TEAM C151,C159,C164,C206,C207C9., C29,C33,	Pcs	12
...4	220	02.10887.101	A	CAP CC 0.1uF +80%-20% 50V Y5V #0603; "YCTC" C10, C102, C103, C11, C115,C135, C138, C139, C142, C143, C152, C152A1, C153, C154, C155, C199, C20, C200, C201, C202, C31, C32, C37, C38, C40, C6, C65,C66, C75, C8,C12,C121, C127,C129,C131,C134, C144, C145, C146, C147,C148,C150,C158, C160,C162,C163, C197,C198, C205, C21, C212,C23, C26, C28, C42, C46,	Pcs	64
...4	240	02.22447.101	A	CAP CC 22pF 5% 50V NPO #0603; "YCTC","TEAM C169,C170.	Pcs	2
...4	291	02.47174.404	A	CAP CE 470u 20% 16V 8*11.5 105 Degree RADIA C128,C132,C133,C137.	Pcs	4
...4	293	02.47487.101	A	CAP CC 47pF*4 NPO 8P4C #1206 CP1, CP10,CP11,CP12.CP2,CP3,CP4, CP9,CP5,CP6,CP7,CP8,	Pcs	12
...4	295	02.47647.101	A	CAP CC 47pF 5% 50V NPO #0603 C165.	Pcs	1
...4	300	02.47745.103	A	CAP CC 0.047uF 10% 25V X7R #0603 C22, C25, C30.	Pcs	3
...4	302	02.56647.102	A	CAP CC 0.0056uF 10% 50V X7R #0603 C1.	Pcs	1
...4	305	02.56745.101	A	CAP CC 0.056uF 10% 25V X7R #0603 C3.	Pcs	1
...4	310	03.00020.401	A	INDCTR BEAD 600Ω CHIP #0805 "MAG LAYERS" L1, L10. L15, L24, L25,L26,L27, L29,L30,L31,L32,L45, L6, L7, L AP1,	Pcs	15
...4	315	03.00052.401	A	INDCTOR BEAD MLB-160808-0600A-N1 SMD ; "MAG FB1, FB2, FB3, FB4, FB5,FB6,FB7, R86, FB8,FB9,R105.R85,	Pcs	12
...4	340	03.00122.401	A	MLB3216-0600M4-N2 600Ωx4 at 100Mhz #1206 RP10.RP8,	Pcs	2
...4	345	03.00127.401	A	INDCTR BEAD #0805 100MHz 30R MLB201209-0030 L2, L3, L4.	Pcs	3
...4	348	03.00129.401	A	INDCTR BEAD #1206 100MHz 300R MLB321611-030 D7, D8, L18, L22.	Pcs	4
...4	350	03.15100.301	A	INDCTR CHOKE 150uH 20% 3A DIP A0060D1 "ARON	Pcs	1

					L19.		
...4	352		03.15142.301	A	INDCR COIL 150uH 10% 1.4A 2 PIN RADIAL FERR L41, L44, L46.	Pcs	3
...4	355		03.22040.301	A	INDCTR CHOKE COIL 22u 10% 3A DIP A00601C2 " L42.	Pcs	1
...4	360		07.14318.001	A	XTAL 14.318MHz HC-49S HALF SIZE "鸿星" X1.	Pcs	1
...4	370		08.2N390.402	A	TRNSTR NPN GENERAL MMBT3904LT1 SOT-23 "MO Q1.	Pcs	1
...4	380		09.1N582.201	A	DIODE IN5822 SCHOTTKY RECTIFIER DO201AD D4.	Pcs	1
...4	391		09.1PS22.601	A	DIODE HIGH-SPEED 1PS226 SMD "PHILIPS" D1, D2, D3.	Pcs	3
...4	398		09.SS054.001	A	DIODE SCHOTTKY Barrier SS0540 0.5 A SOD123 D10.	Pcs	1
...4	401		11.010F2.305	A	CNNT F PWR JACK PJ-20 "HCH" P1.	Pcs	1
...4	410		11.042M2.306	A	CNNT M 4P 2mm RT/LEAD TU2001WNR-04 "TYU" JP4.	Pcs	1
...4	416		11.059F2.010	A	CNNT PHONE JACK ST/LEAD 2SJ-P520-A04 LIME (J1.	Pcs	1
...4	420		11.102M2.303	A	CNNT 10P 2.0mm TU2001WNR-10 RT/DIP;"TYU" CON5.	Pcs	1
...4	430		11.122M2.303	A	CNNT 12P 2.0mm TU2001WNR-12 RT/DIP;"TYU" CON2.	Pcs	1
...4	440		11.155F2.203	A	CNNT D-SUB 15P RT/LEAD BLUE PC99 VGA CON1.	Pcs	1
...4	445		11.302M2.301	A	CNNT M 30P 2mm RT/LEAD P220-2*15-R ;"LCU" JP1.	Pcs	1
...4	470		20.11173.301	A	IC VOLTAGE REGULATOR LT1117-3.3 800mA SOT-2 U3.	Pcs	1
...4	490		20.74ACT.142	A	IC CMOS MC74ACT14D HEX INVERTING 14SOIC ;" U1.	Pcs	1
...4	501		20.AD988.311	A	IC AD9883-140 A/D CONVERTOR 140MSPS TQFP-80 U2.	Pcs	1
...4	510		20.AIC10.841	A	IC AIC1084CM 5A LINEAR REG TO-263 U7.	Pcs	1
...4	520		20.AN752.201	A	IC AUDIO AN7522 DUAL 3-W AMPLIFIER A1.	Pcs	1
...4	525		20.CS582.801	A	IC LVDS CS5828 8BIT 56PIN TSSOP 85MHZ U16-A1, U17-B1.	Pcs	2
...4	530		20.SI230.4D1	A	IC NMOS SI2304DS VISHAY SOT-23 Q2.	Pcs	1
...4	540		20.SI805.0S1	A	IC SI-8050S(LF1102) Switching Regulator TO2 U9.	Pcs	1
...4	551		20.TP674.001	A	IC ASIC TP6740 XGA TOPRO 208 PIN QFP SCANLI U10.	Pcs	1
...4	560		21.24LC1.601	A	IC EEPROM 24LC16B/SN M 2K*8 BIT IIC BUS 8SO U18.	Pcs	1
...4	575		22.58301.001	A0	8 FW EPROM VG700	Pcs	1
...5	20		21.W78E6.2B1	A	IC W78E62BP-40 MLU 4KB MTP 64KB ISP FL U6.	Pcs	1
...5	30		39.58301.001	A0	8 FW BIOS SOURCE CODE VG700	Pcs	1
...4	580		35.00017.001	A	LABEL BIOS 13*11mm BLANK U6.	Pcs	1
...4	590		35.00018.001	A	LABEL BARCODE 13*26.5mm BLANK	Pcs	2
...4	595		61.00039.001	A	EYELET BR φ3*4.0 A1.	Pcs	2
...4	600		61.00039.002	A	EYELET BR φ3*6.0 U9.	Pcs	1
...3	240	B-CB-0206-0135	80.58202.001	B	PCBA CTRL BD VG500	Pcs	1
...4	10		00.58201.001	B	BARE PCB L:2 CTRL BD VG500	Pcs	1
...4	20		09.L115V.EG1	A	DIODE LED GREEN/RED DIP D3.0mm L-115VEGW " D1.	Pcs	1
...4	30		11.122M2.302	A	CNNT M 12P 2mm RT/LEAD P-220-2*6-R CON2.	Pcs	1
...4	35		35.00016.001	A	LABEL BARCODE 6*38mm BLANK	Pcs	1
...4	40		43.52102.002	A	SWITCH PUSH PT-002-B2 DC12V 50mA SW1, SW2, SW3, SW4, SW5,SW7, SW8.SW6,	Pcs	8

..3	250	M-MS-0808-6287	85.005AG.075	A	SCREW HEX I/O #4-40*H5*L7.5 Ni NYLOK	Pcs	2
..3	260	M-SCW-0824-0651	85.1F123.060	A	SCREW PAN MECH W/SF M3*6 Ni	Pcs	6
..3	270		85.SA123.070	A	SCREW BIN TAP/2L M3*7Ni	Pcs	4
..3	280		85.SA123.120	A	SCREW BIN TAP/2L M3*12 Ni	Pcs	2
..3	290	M-SCW-0824-0655	85.UA323.070	A	SCREW PAN TAP DOUBLE THREADS M3*7 Black	Pcs	11
..3	300	M-SCW-0824-0688	85.ZA123.100	A	SCREW WCH/W MECH M3*10 Ni	Pcs	4
.2	100		70.58307.001	A	ASSY STAND CS-VS08 VG700b	Pcs	1
..3	10	M-CV-0830-2343	51.58311.002	A	BASE COVER ABS HB-VS08;VG700b	Pcs	1
..3	20	M-MS-0808-8300	51.58312.002	A	FRONT ARM ABS HB-VS08;VG700b	Pcs	1
..3	30	PL-PD-0714-0064	52.00003.001	A	RUBBER FOOT 25*10*1.2t	Pcs	5
..3	40	M-MS-0808-8145	61.58302.001	A	HINGE TILT SPHC 2.0t VG700/750	Pcs	1
..3	50	M-MS-0808-8146	61.58303.001	A	BASE PLATE SGCC 2.0t VG700/750	Pcs	1
..3	60		85.1F124.120	A	SCREW PAN MECH W/SF M4*12 Ni	Pcs	4
..3	70		85.4A124.060	A	SCREW FLAT MECH M4*6 Ni	Pcs	4
..3	80		85.SA123.070	A	SCREW BIN TAP/2L M3*7Ni	Pcs	4
..3	90	M-SCW-0824-0656	85.YA123.080	A	SCREW FLAT TAP M3*8 Ni	Pcs	4
1	20		DP.58302.00V	A	D.P. VG700b,WORLD WIDE	Pcs	1
.2	10	A-PC-0106-0186	42.50112.001	A	CABLE POWER CORD 1830mm SP-023+IS14 EUR.	Pcs	1
.2	15	A-PC-0106-0188	42.57207.001	A	CABLE POWER CORD 1.8M±0.1M UNSHIELD (NA)	Pcs	1
.2	20		70.583DP.002	A	COMMON PACKAGE VG700b	Pcs	1
..3	10	M-LB-0813-0706	35.58203.001	A	LABEL CARTON 76*76mm	Pcs	1
..3	20	A-CD-VG750	36.58302.002	A	USER'S GUIDE MULTILINGUAL+CD+TCO95 ECO DOCU	Pcs	1
..3	30	A-VC-0101-0265	42.59901.004	A	CABLE VGA 15P 1800mm 2 CORE	Pcs	1
..3	40	A-AU-0120-0032	42.59903.001	A	CABLE AUDIO 1.8M LM/BK/LM VX2000	Pcs	1
..3	50		51.00069.001	A	PACKING STRAP 12MM*2000M*0.6MM	ROL	0.023
..3	60		51.00070.001	A	PE STRETCH FILM 500MM*1500M*0.02MM	ROL	0.0003
..3	70		51.00080.001	A	3 INCH TRANSPARENT ADHESIVE TAPE (600M)	ROL	0.002
..3	80	M-MS-0808-8334	51.00081.005	A	EPE BAG 540*750*0.5t W/HOLE VG700b	Pcs	1
..3	90		55.55103.001	A	CORNER BOARD 50*50*5*1050mm	Pcs	0.133
..3	100		55.56707.001	A	CORNER BOARD 50*50*740mm	Pcs	0.05
..3	110		55.57202.001	A	CORNER BOARD 50*50*5*960mm	Pcs	0.05
..3	120		55.57503.001	A	CORNER BOARD 50*50*5*1700MM	Pcs	1E-05
..3	130	P-BX-0601-0748	55.58301.002	A	CARTON AB VG700b	Pcs	1
..3	140	P-FM-0602-0752	56.58301.002	A	CUSHIONS R EPS VG700	Pcs	1
..3	150	P-FM-0602-0753	56.58302.002	A	CUSHIONS L EPS VG700	Pcs	1
..3	155	P-FM-0602-0799	56.58303.001	A	EPE CUSHIONS VG700b	Pcs	1
..3	160		58.58301.001	A	WOOD PALLET 1125*1000mm	Pcs	0.025