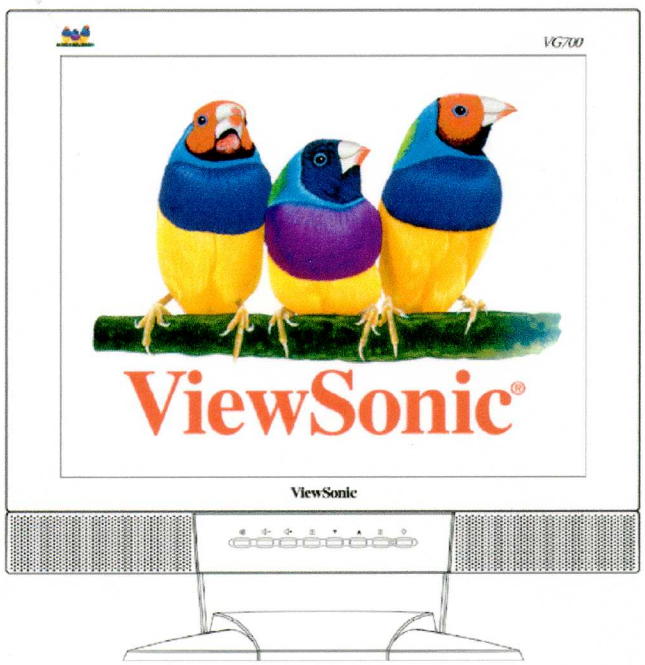
Service Manual

ViewSonic VG700

Model No. VLCDS23719-1W

17" Color TFT LCD Display



VG700-1_SM_561 - Rev. 1a – June 2002)

ViewSonic® 381 Brea Canyon Road, Walnut, California 91789 USA - (800) 888-8583

Revision History

Revision	Date	Description Of Changes	Approval
1a	6/5/02	Initial Issue – DCN2328	T. Sears

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Preface

This manual is prepared for the maintenance service for the VG700 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.

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.

No event will the vendor be liable for direct, indirect, special, incidental or consequential damages arising out of the user or inability to use this product or documentation.

Chapter 1 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. There are ten topics in this manual, and you can immediately identify problems through this manual.*

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 applicance 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*
- *250 cd/m² (Typical) brightness, 200 cd/m² (Min.)*
- *400:1 (Typical) contrast ratio, 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.) Factory 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)*

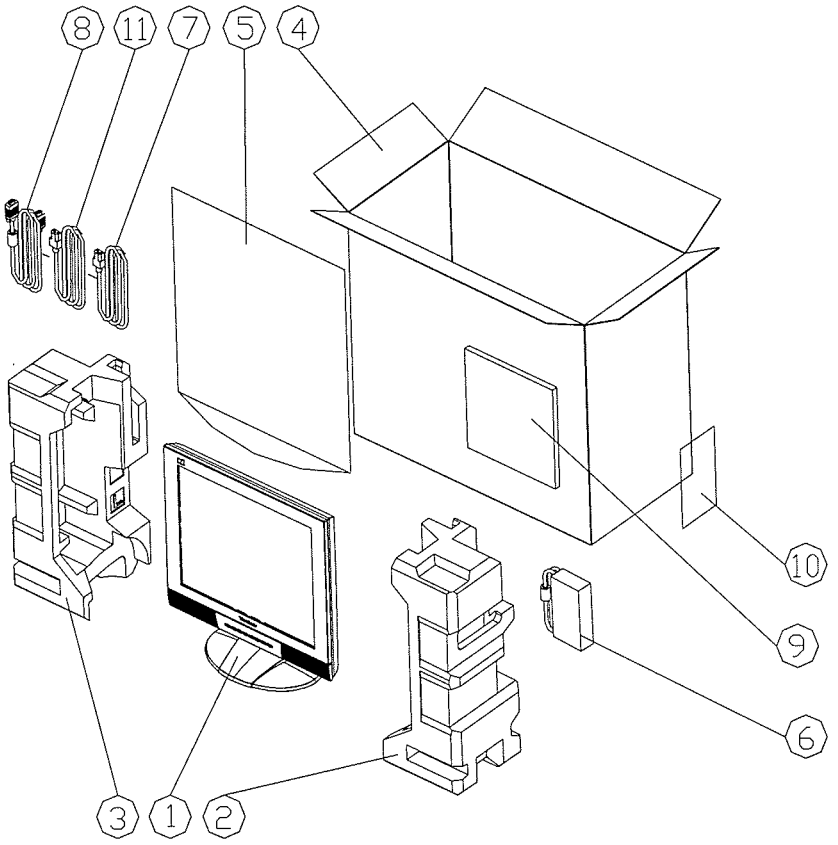
- *VESA 1024*768@75Hz (78.750MHz)*
- *MAC 1152*870@75Hz*
- *VESA 1280*1024@60Hz*
- *VESA 1280*1024@70Hz*
- *VESA 1280*1024@75Hz*

V.) Mechanical & Environmental Condition

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

Chapter 2 Mechanical Construction

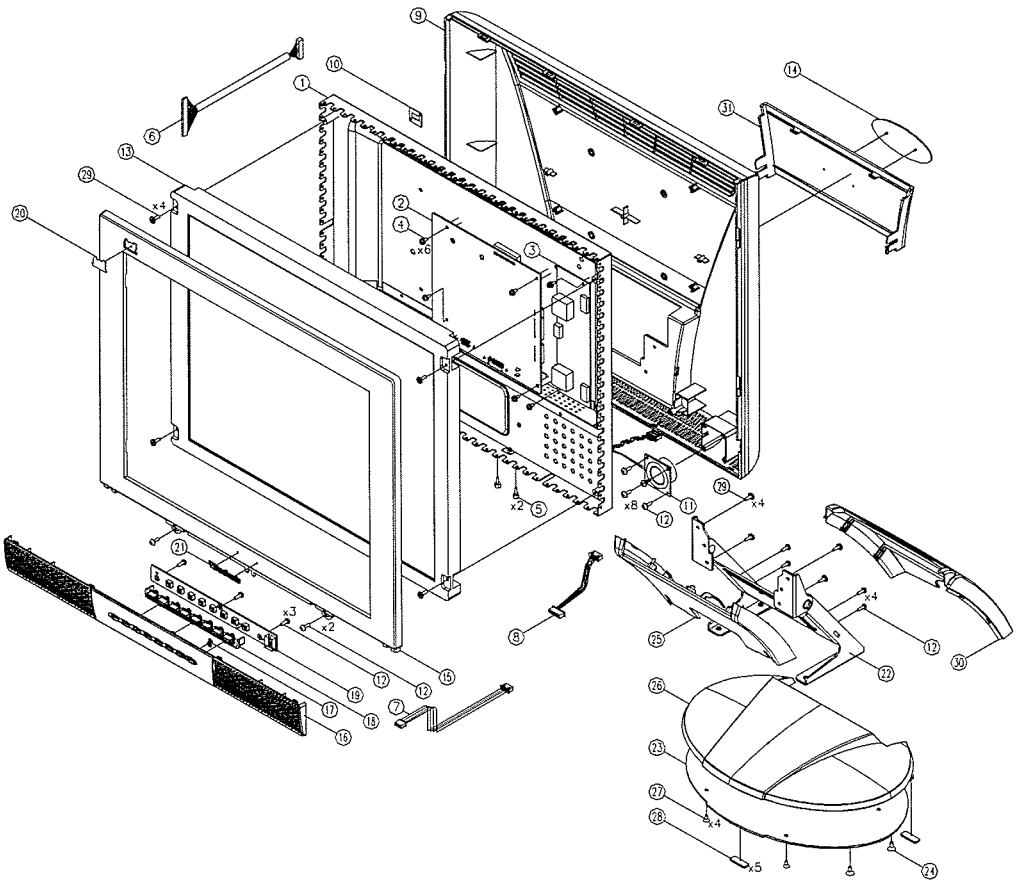
2-1 Package Overview



2-1.1 *Replacement Parts List*

Item	ViewSonic P/N	P/N	Description
1-1	M-LCD-0826-0126	95.58303.00A	VG700 LCD DISPLAY;"VIEWSONIC", AU-M170EN05, USA
1-2	M-LCD-0826-0125	95.58301.00A	VG700 LCD DISPLAY, "VIEWSONIC", ADT, 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-0601-0683	55.58301.001	CARTON AB VG700
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	36.58302.001	USER'S GUIDE MULTILINGUAL+CD+TCO'99 ECO DOC.
10	M-LB-0203-0695	35.58203.001	LABEL CARTON 76*76mm
11	A-PC-0106-0188	42.57207.001	CABLE POWER CORD 1.8M0.1M UNSHIELD (NA)

2-2 *Exploded Overview*

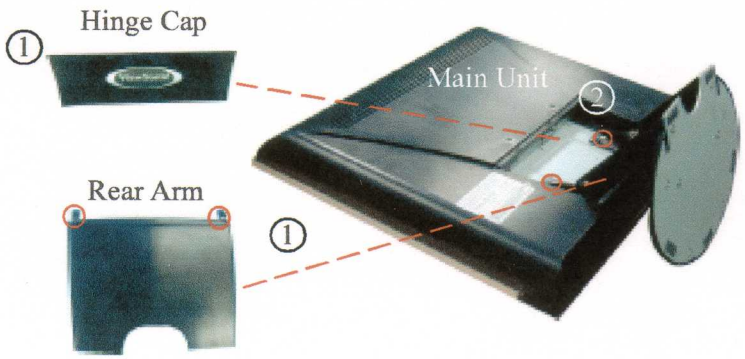


2-2.1 Replacement Parts List

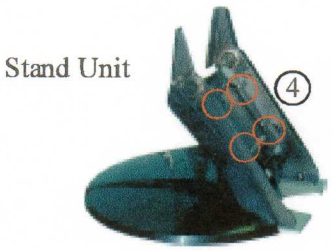
Item	ViewSonic P/N	P/N	Description
1	N/A	61.58301.001	SUPPORT BRKT SECC 0.8t VG700(ADT)
2	B-MB-0201-0671	80.58301.001	PCBA MAIN BD VG700
3-1	B-SB-0221-0448	44.58301.001	PCBA INVERTER LI2113 LIEN CHANG
3-2	B-SB-0221-0447	44.58302.001	PCBA INVERTER PLCD2417414 EMAX
4	M-SCW-0824-0651	85.1F123.060	SCREW PAN MECH W/SF M3*6 Ni
5	M-MS-0808-6287	85.005AG.075	SCREW HEX I/O #4-40*H5*L7.5 Ni NYLOK
6	M-WR-0828-0644	42.58302.001	W.A. 30P UL20276 #28 200mm+CORE
7	M-WR-0828-0632	42.58203.001	W.A. 12P UL1571 #28 260mm (MB TO CTRL)
8	M-WR-0828-0636	42.58301.001	W.A. 10/6P UL1007 #24 100mm VG700(INV)
9	C-BC-0302-0416	51.58302.001	REAR COVER ABS HB-VS06 VG700
10	N/A	61.56005.002	LOCK BRKT TINPLATE 0.5t PV880
11	E-SK-0412-0049	49.58301.001	ASSY SPEAKER MODULE MEI SHAN HB34
12	N/A	85.UA123.070	SCREW M3*7
13	M-LCD-0826-0120	48.56902.001	TFT LCD 1280*1024 17" ADT L170E3 PANEL
14	M-MS-0808-8116	51.58711.001	NAMEPLATE ELLIPSE Viewsonic
15	C-FP-0301-0870	51.58301.001	FRONT COVER ABS HB-VS07A VG700
16	M-MS-0808-8148	51.58303.001	COSMETIC CAP ABS HB-VS06 VG700
17	M-MS-0808-8176	51.58207.001	LED LENS ACRYLIC VG500
18	PL-NB-0707-0172	51.58206.001	SELECT KNOB ABS CS-VS07A VG500
19	B-CB-0206-0135	80.58202.001	PCBA CTRL BD VG500
20	M-LB-0830-0695	35.58202.001	BIRD LOGO AL E015-001 Viewsonic
21	N/A	35.90305.001	Viewsonic AL-LOGO
22	M-MS-0808-8145	61.58302.001	HINGE TILT SPHC 2.0t VG700/750
23	M-MS-0808-8146	61.58303.001	BASE PLATE SGCC 2.0t VG700/750
24	M-SCW-0824-0658	85.4A124.080	SCREW FLAT MECH M4*8 Ni
25	M-MS-0808-8143	51.58312.001	FRONT ARM ABS HB-VS06 VG700/750
26	M-CV-0830-2301	51.58311.001	BASE COVER ABS HB-VS06 VG700/750
27	M-SCW-0824-0660	85.YA123.060	SCREW FLAT TAP M3*6 Ni
28	PL-PD-0714-0064	52.00003.001	RUBBER FOOT 25*10*1.2t
29	M-SCW-0824-0688	85.ZA123.100	SCREW WCH/W MECH M3*10 Ni
30	M-MS-0808-8144	51.58313.001	REAR ARM ABS HB-VS06 VG700/750
31	M-MS-0808-8142	51.58304.001	HINGE CAP ABS HB-VS06 VG700/750

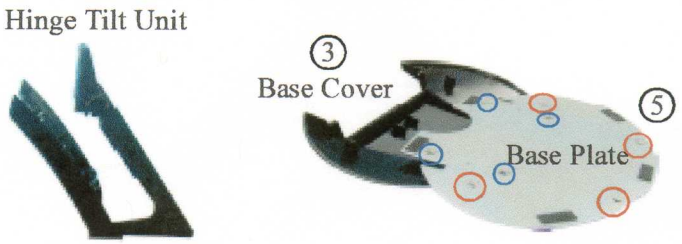
Chapter 3 Procedure of Disassembly

3-1 *Disassembly of Stand Unit and Main Body*



1. Lay VG700 Monitor face down to take off Rear Arm and Hinge Cap.
2. Unscrew the four screws to remove the Stand and Main Unit.



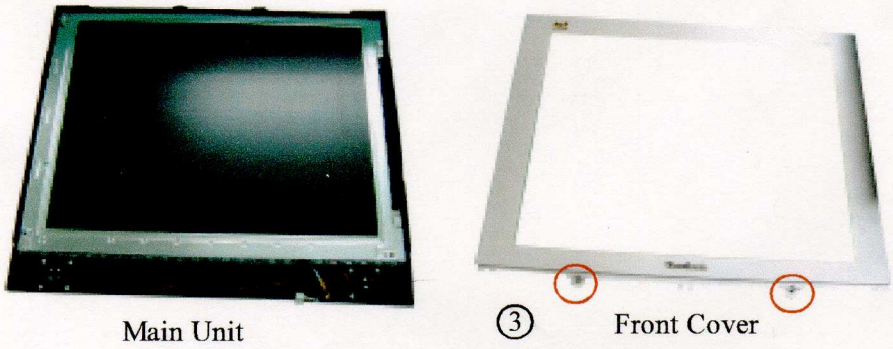


3. Unscrew the four screws to remove the Hinge Tilt and Base Unit.
4. Unscrew the four screws on Hinge Tilt unit to remove the Front Arm and Hinge Tilt.
5. Unscrew the four screws on the Base Unit to remove the Base Cover and Base Plate.

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

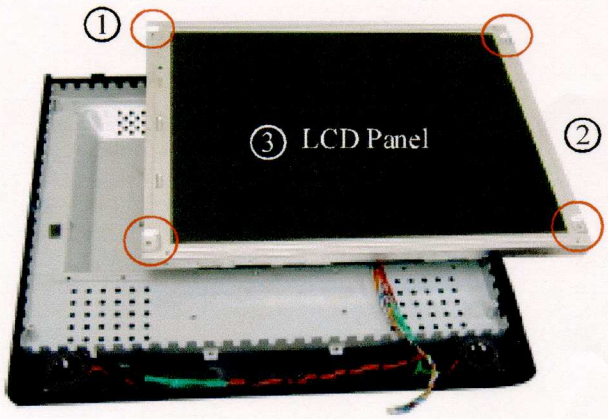
1. First turn over the monitor, and press the two sides from up to down to remove the Cosmetic Cap.

2. Unplug the Control Wire and unscrew the three screws to remove the Control Board.

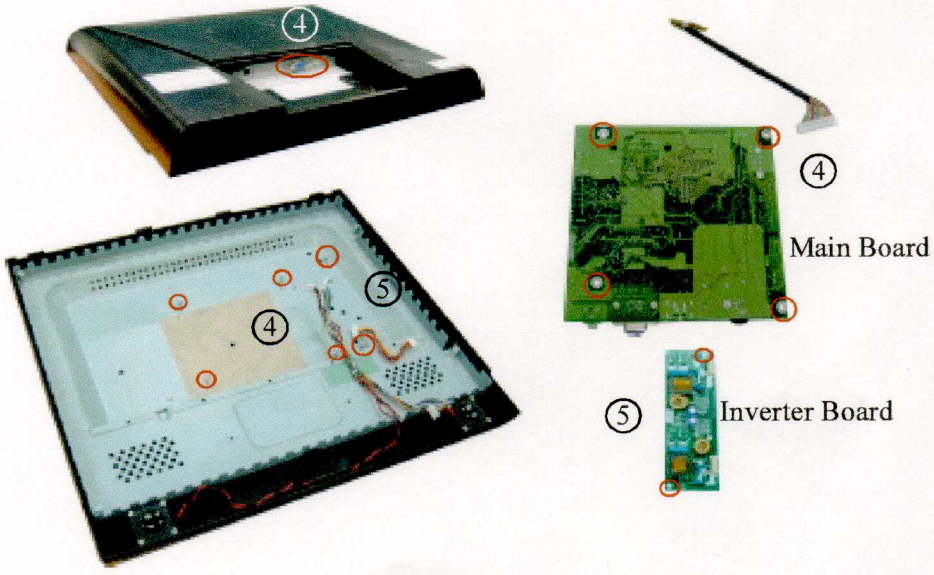


3. Unscrew the two screws of Front Cover to remove it from Main Unit.

3-3 *Disassembly of LCD Panel and Main Board*

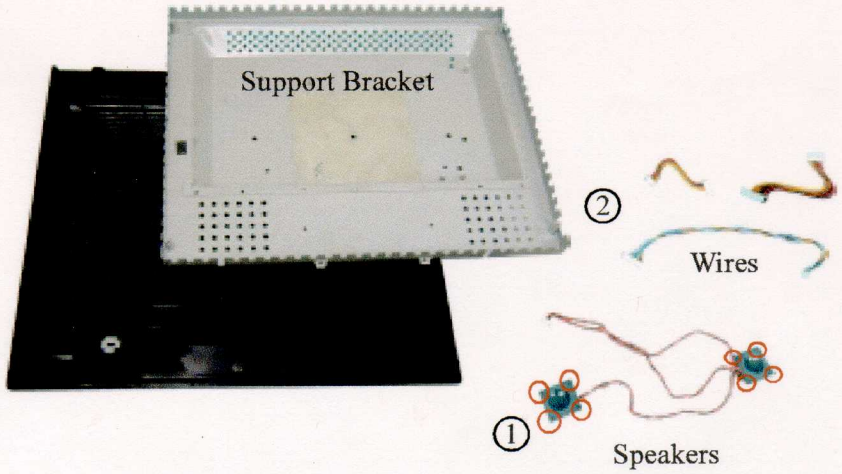


1. Unscrew the four screws on the LCD Panel.
2. Unplug all wires on the LCD Panel.
3. Remove the LCD Panel.



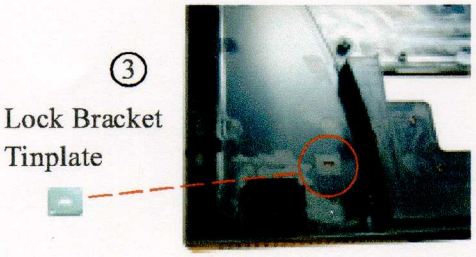
4. Unscrew the two hex screws and turn over the monitor first; then unscrew the four screws and unplug all wires on Main Board to remove it.
5. Unscrew the two screws and unplug the wires of Inverter Board to remove it.

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



1. Unscrew the eight screws on Speakers to remove it.

2. Tear off tape, unscrew the four screws and unplug all wires from Support Bracket.

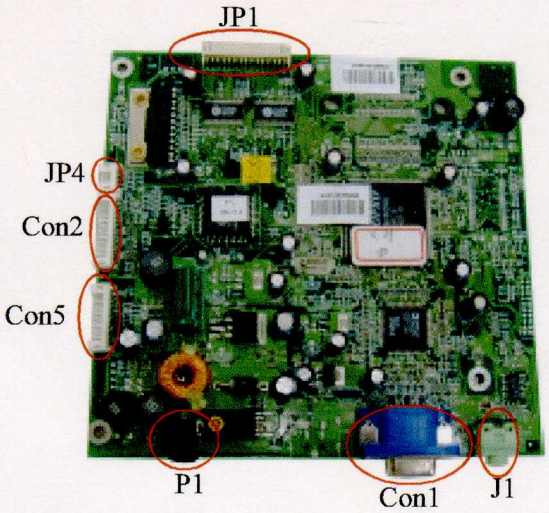


3. Tear off the Lock Bracket Tinplate from Rear Cover.

Chapter 4 Function of Boards

4-1 Main Board

4-1.1 The Location of Connectors



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

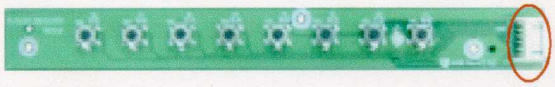
Pin #	Description	Function
1	VDD	LVDS Power +3.3V
2	VDD	LVDS Power +3.3V
3	VDD	LVDS Power +3.3V
4	GND	Ground
5	SELLVDS	No Connection
6	Vcont	No Connection
7	GND	Ground
8	RXOIN3+	Positive Differential Input
9	RXOIN3-	Negative Differential Input
10	RXOCLKIN+	Panel ODD Clock +
11	RXOCLKIN-	Panel ODD Clock -
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

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

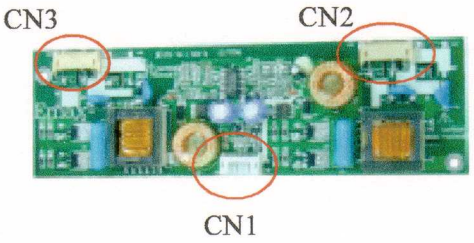


4-2.2 CON2: OSD Key Connector

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

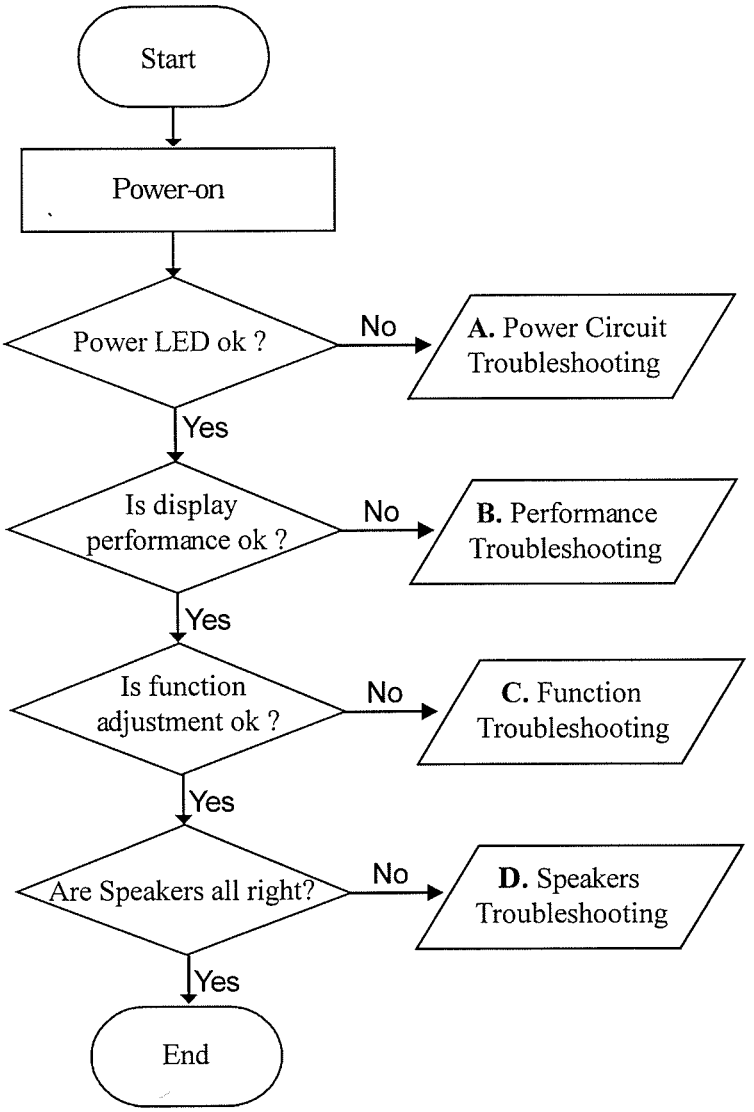
Pin #	Description	Function
1	ACV (~1kV)	Lamp Output
2	ACV (~1kV)	Lamp Output
3	N.C.	No Connection
4	GND	Ground

Chapter 5 Troubleshooting Procedure

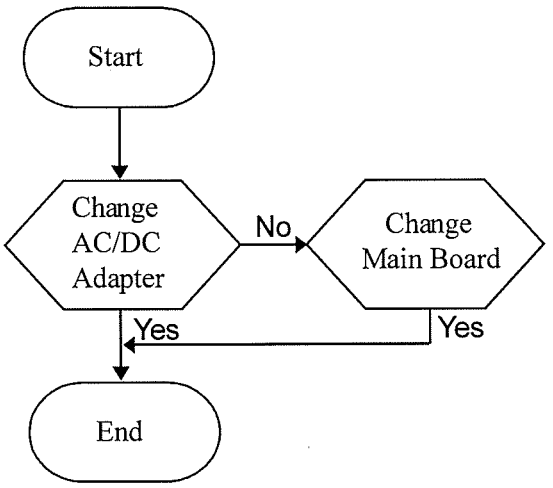
5-1 Equipment Needed

- *VG700 Monitor*
- *PC (Personal Computer) with 1280*1024resolution*
- *Screw Driver*

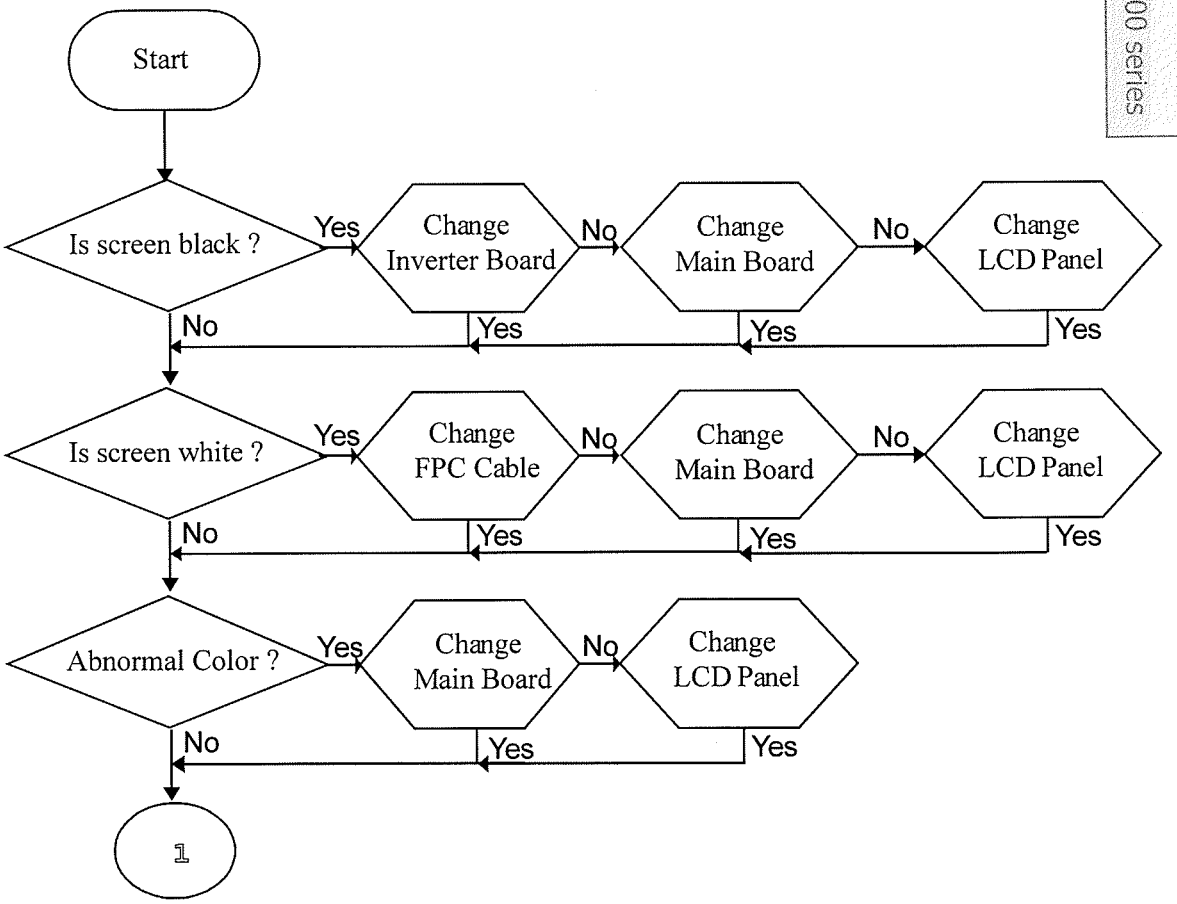
5-2 Main Procedure

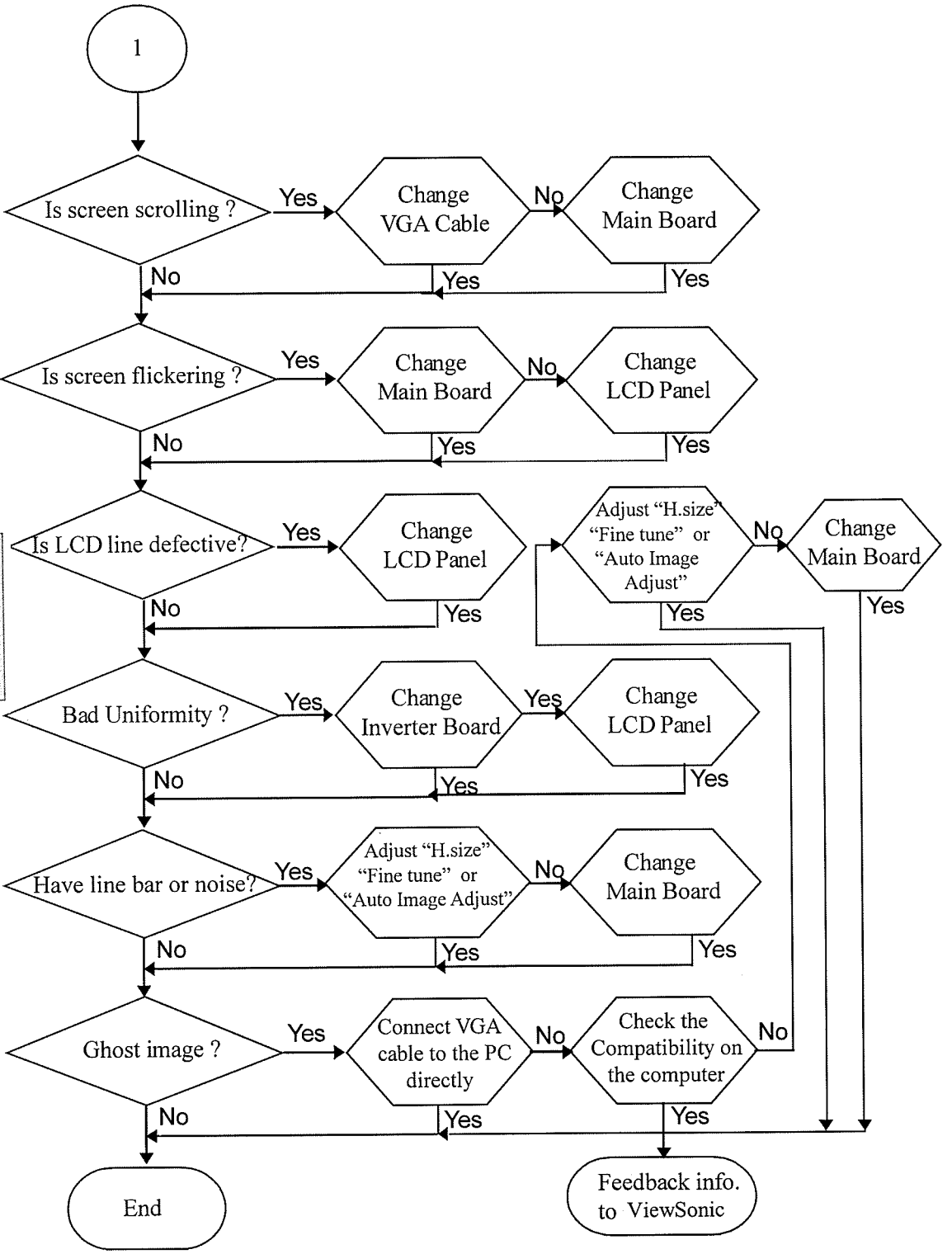


5-2.1 A. Power Circuit Troubleshooting

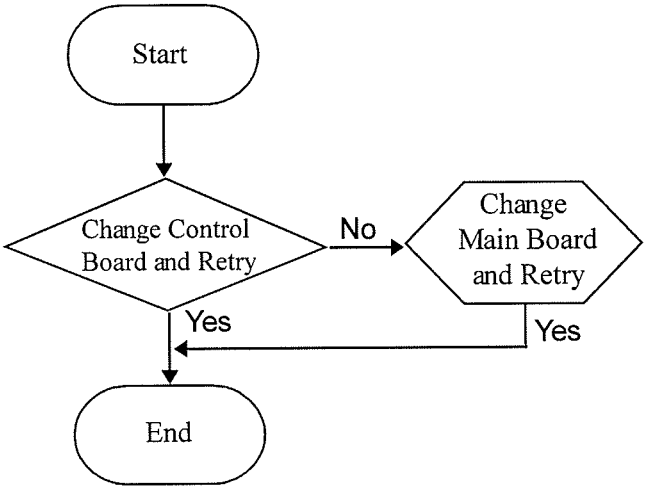


5-2.2 B. Performance Troubleshooting

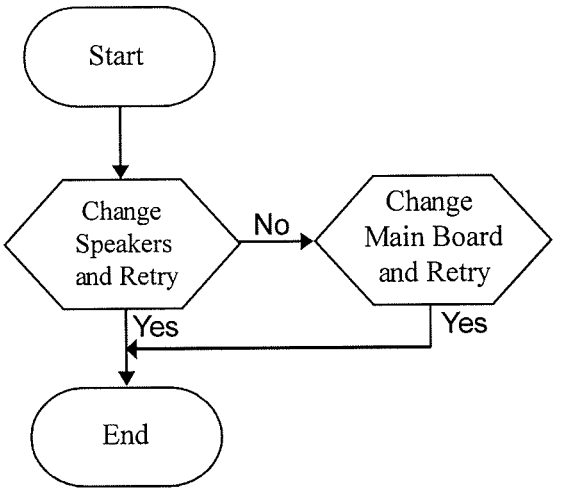




5-2.3 C. Function Troubleshooting



5-2.4 D. Speakers Troubleshooting



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.*
- *"[1]" and "▲" buttons for 10 seconds: OSD locked*
  Do again: OSD unlocked.
- *"[1]" and "▼" buttons for 10 seconds: Power button locked.*
  Do again: Power button unlocked.

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)*

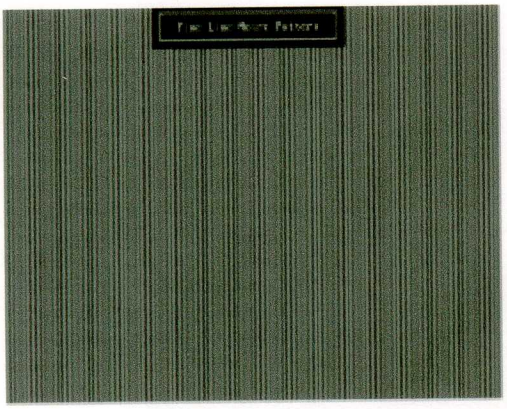
6-4 Test Display Modes & Pattern

6-4.1 Compatible Modes

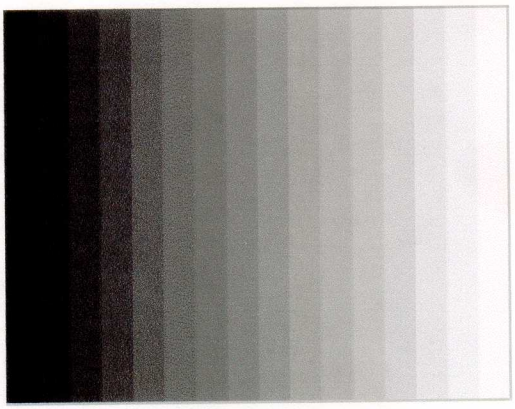
Resolution	V. Frequency (Hz)	H. Frequency (kHz)	Standard
640*480	60	31.5	VESA VGA
640*480	67	35.0	MAC
640*480	72	37.9	VESA VGA
640*480	75	37.5	VESA VGA
720*400	70	31.5	VESA VGA
800*600	56	35.2	VESA SVGA
800*600	60	37.9	VESA SVGA
800*600	72	48.1	VESA SVGA
800*600	75	46.9	VESA SVGA
832*624	75	49.7	MAC
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

6-4.2 *Function Test Display Pattern*

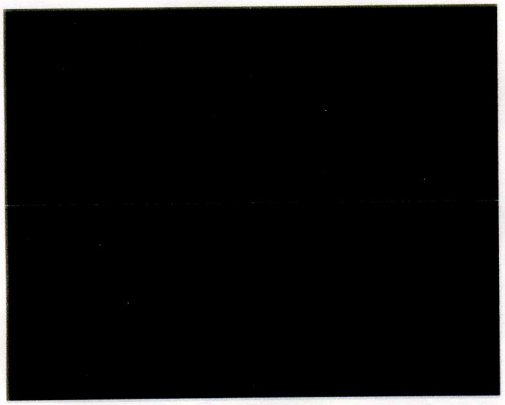
Item	Test Content	Pattern	Specification	Remark
1	Frequency & Tracking	Fine Line Moire	Eliminate visual wavy noise.	*Figure 1*
2	Contrast/Brightness	16 Gray Scale	16 gray levels should be distinguishable.	*Figure 2*
3	Boundary	Horizontal & Vertical Thickness	Horiz. and Vert. position of video should be 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*



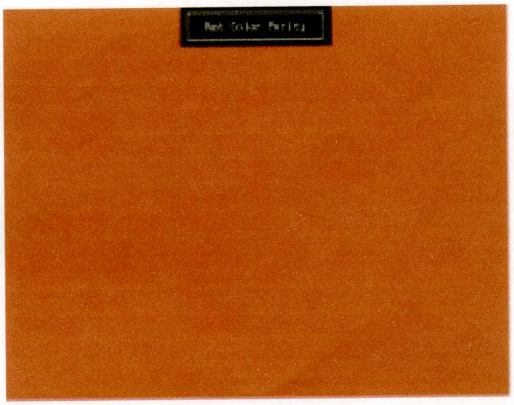
Fine Line Morie Pattern (Figure 1)



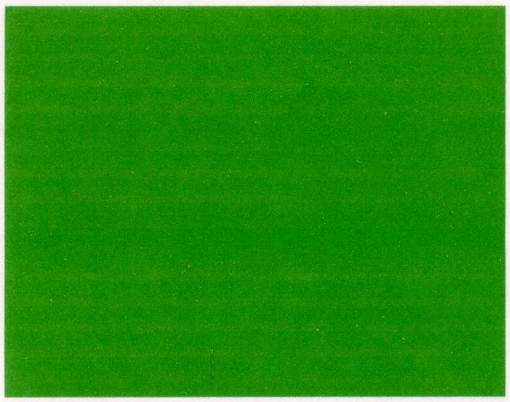
Gray Scale Pattern (Figure 2)



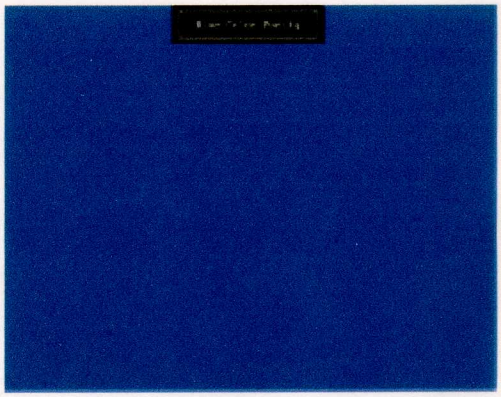
Horizontal & Vertical Thickness Pattern (Figure 3)



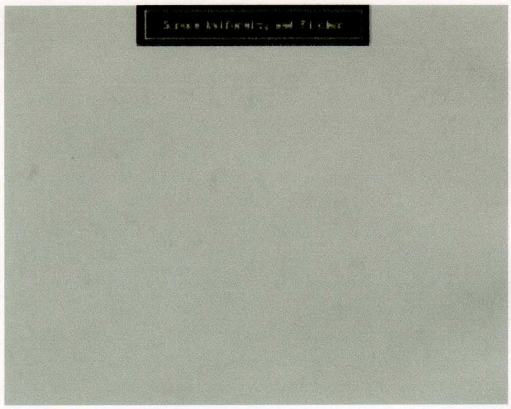
R. Color Pattern (Figure 4)



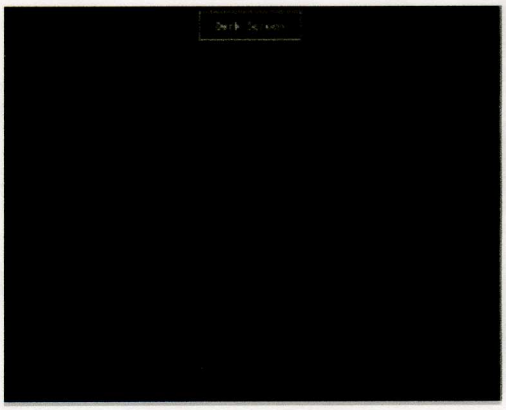
G. Color Pattern (Figure 5)



B. Color Pattern (Figure 6)



Full White Pattern (Figure 7)



Dark Screen Pattern (Figure 8)

6-5 Function Test and Alignment Procedure

6-5.1 All Mode Reset

Input signal to VG700, turn off the power of VG700. 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

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

*Normally when the primary mode 1280*1024@60Hz is well adjusted and compliant with the specification, the secondary display modes be great possibile to be compliant with the spec. But we still have to check with the general test pattern to make sure every secondary is compliant with the specification.*

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: (2 lines,scrapes)

  Face A: Not Acceptance

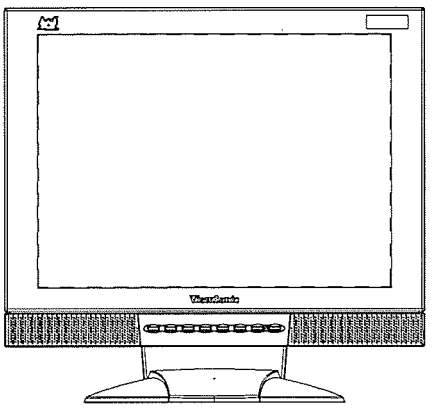


Figure 1: Face A View

Face B: Length:12.7mm, Width: 0.25mm

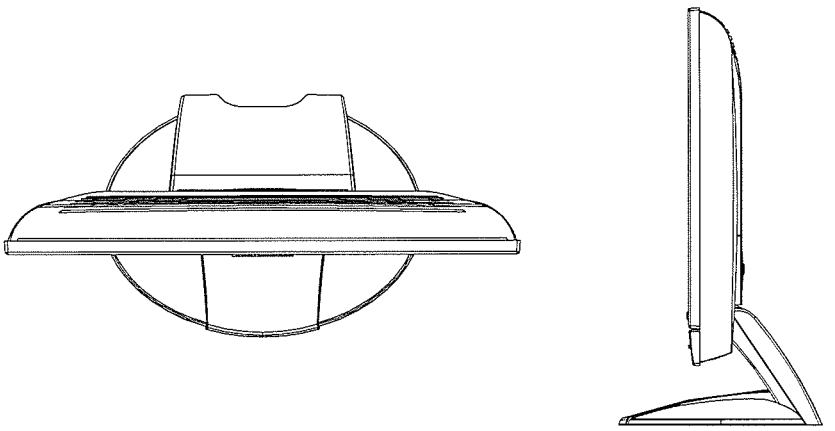


Figure 2: Face B View

Face C: *Length:76mm* *Width:0.76mm*

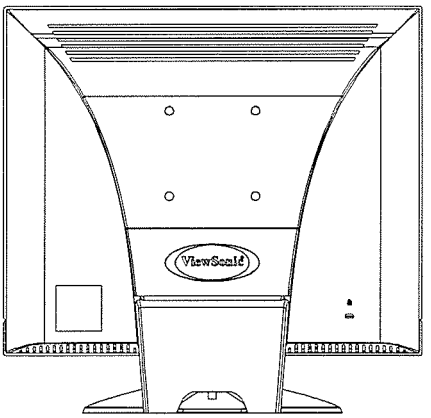


Figure 3: Face C View

Face D: *Length:89mm* *Width:0.76mm*

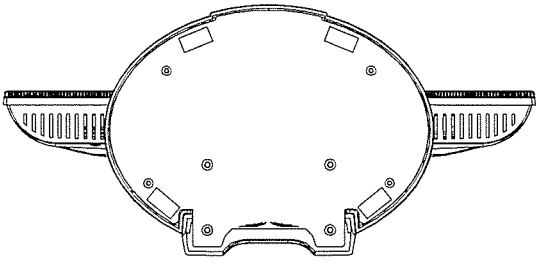


Figure4: Face D View

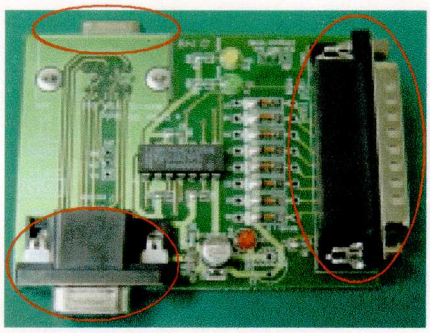
Chapter 7 Firmware Upgrade Procedure

7-1 *Equipment Needed*

- VG700 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

VG700

CON 2: VGA Out

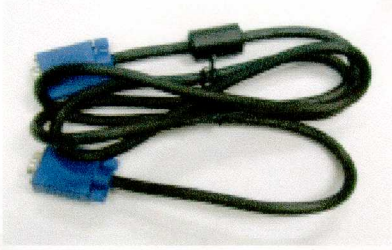


CON3: Print Port

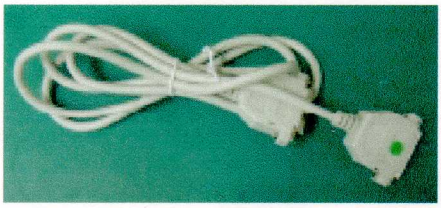
CON 1: VGA In

Print Port: to Printer cable

PC



VGA Cable (P/N : 42.59901.004)

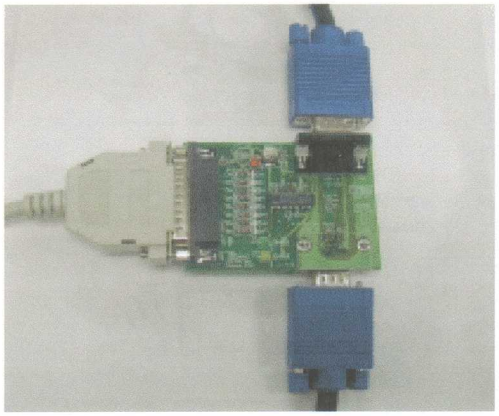


Printer Cable

Power Adapter (P/N: 47.58301.001)

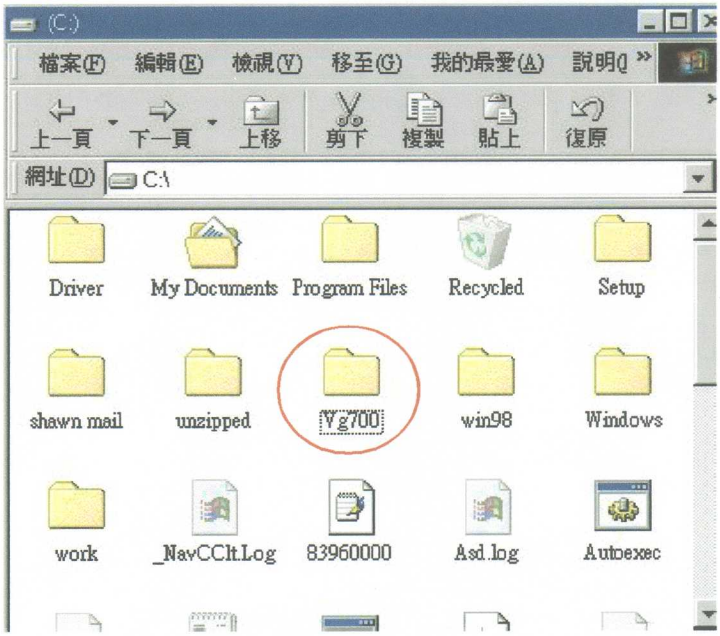
7-2 Hardware Setup Procedure

1. *Connect Con1 of Fixture to VGA Port of PC.*
2. *Connect Con2 of Fixture to VGA Port on VG700 monitor.*
3. *Connect Con 3 of Fixture to Print Port of PC.*

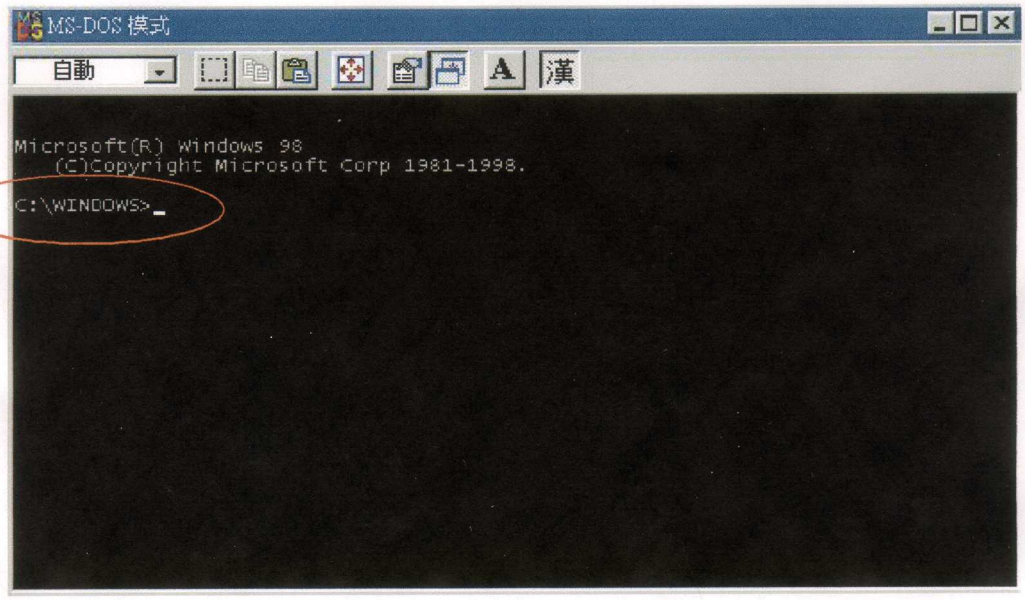


7-3 Firmware Upgrade Procedure

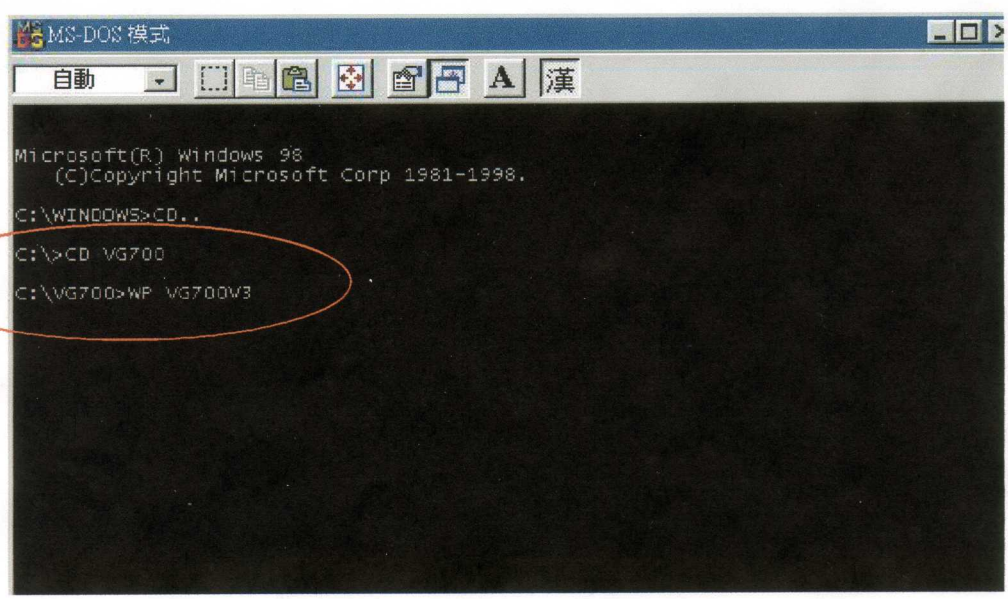
1. *Save "Firmware upgrade" program in Computer:*



2. *Get into DOS mode.*



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

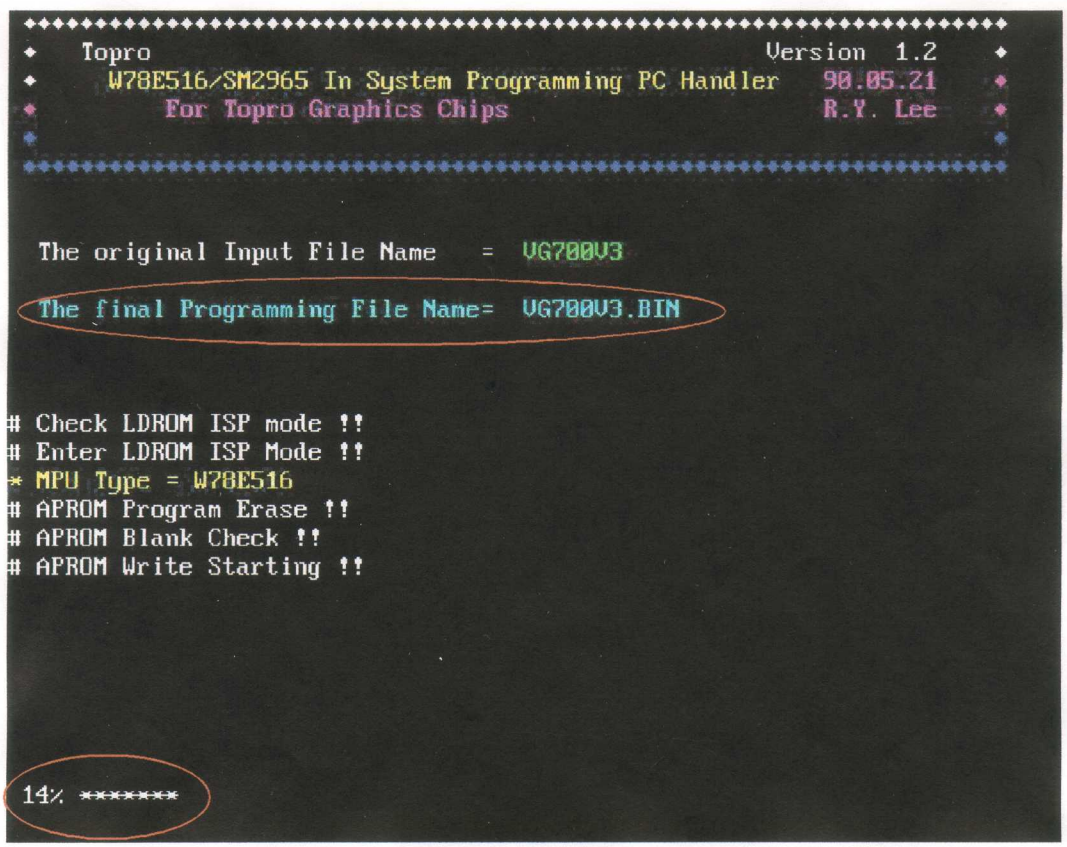


4. *Firmware Programming*

Notice:1.) The screen will become no video, but the power LED will twinkle. When the power LED stops, it means program complete. You have no way to wake up screen, you should unplug power cord, and replug it. Press "Power" the screen will wake up.

2.) Or you can use "data transfer switch" switch to another monitor when firmware programming. You will see the program rate of progress below the screen when the program rate of progress until 100%, it means firmware upgrade procedure is completed.

3.) Get into "Burn In Mode" (Ref.6-2), press any buttons besides "Power" button to check the firmware version if it is correct.



VG700 series

5. *After finish Firmware upgrade, you should do "All Mode Reset". (Ref.6-2)*

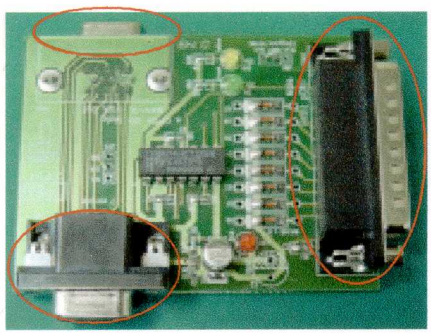
Chapter 8 DDC Keyin Procedure

8-1 Equipment Needed

- VG700 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

VG700

CON 2: VGA Out

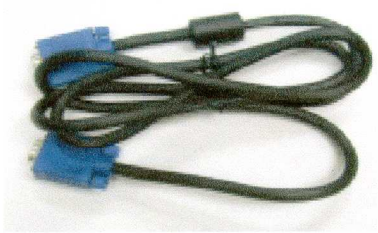


CON3: Print Port

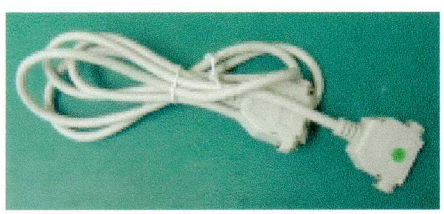
CON 1: VGA In

Print Port: to Printer cable

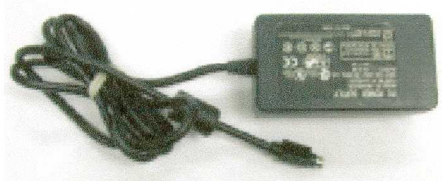
PC



VGA Cable (P/N : 42.59901.004)



Printer Cable



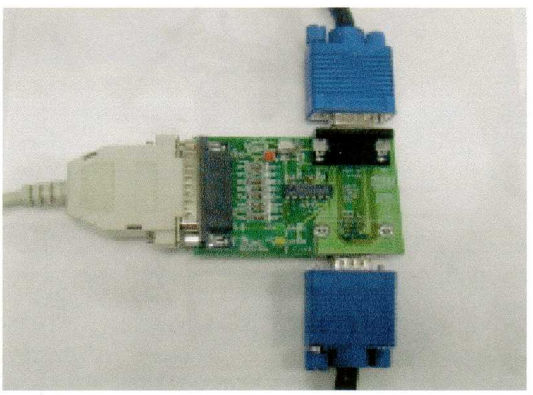
Power Adapter (P/N: 47.58301.001)

VG700 series

VG700 Series Service Manual

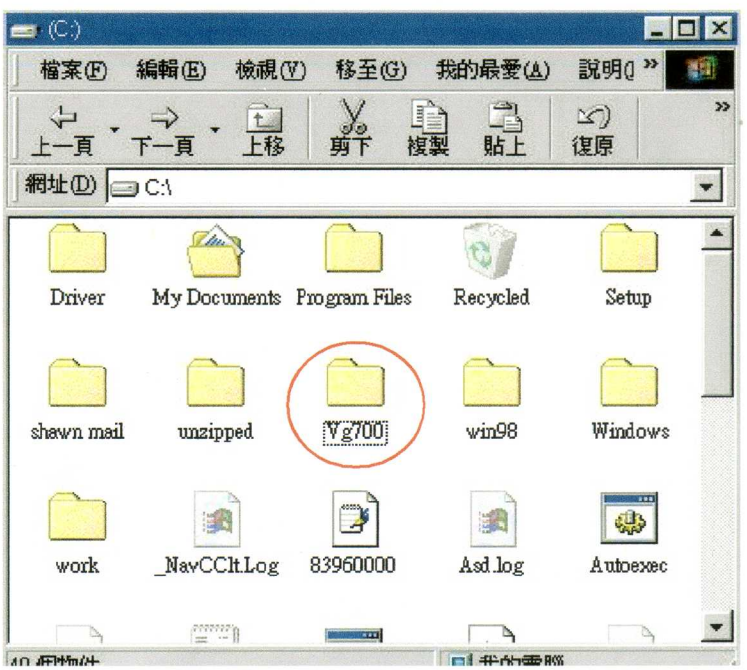
8-2 Hardware Setup Procedure

1. *Connect Con1 of Fixture to VGA Port of PC.*
2. *Connect Con2 of Fixture to VGA Port on VG700 monitor.*
3. *Connect Con 3 of Fixture to Print Port of PC.*

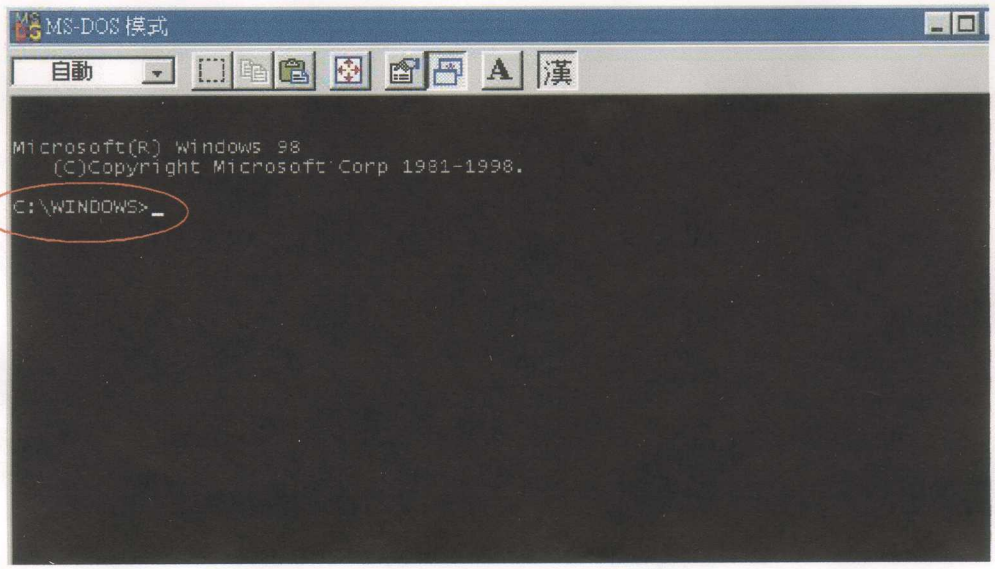


8-3 DDC Update Procedure

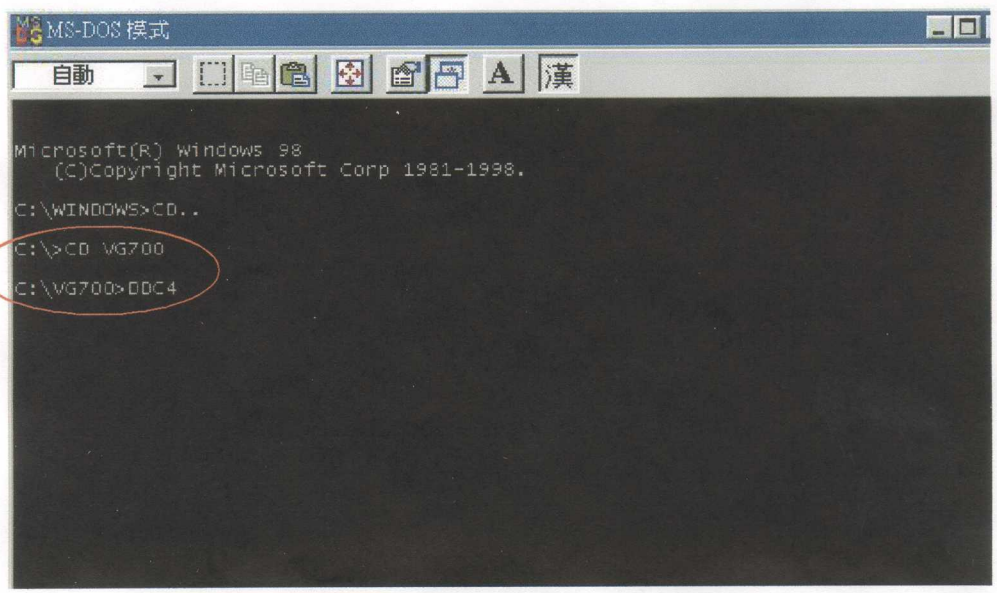
1. *Save "DDC Update" Program in Computer:*



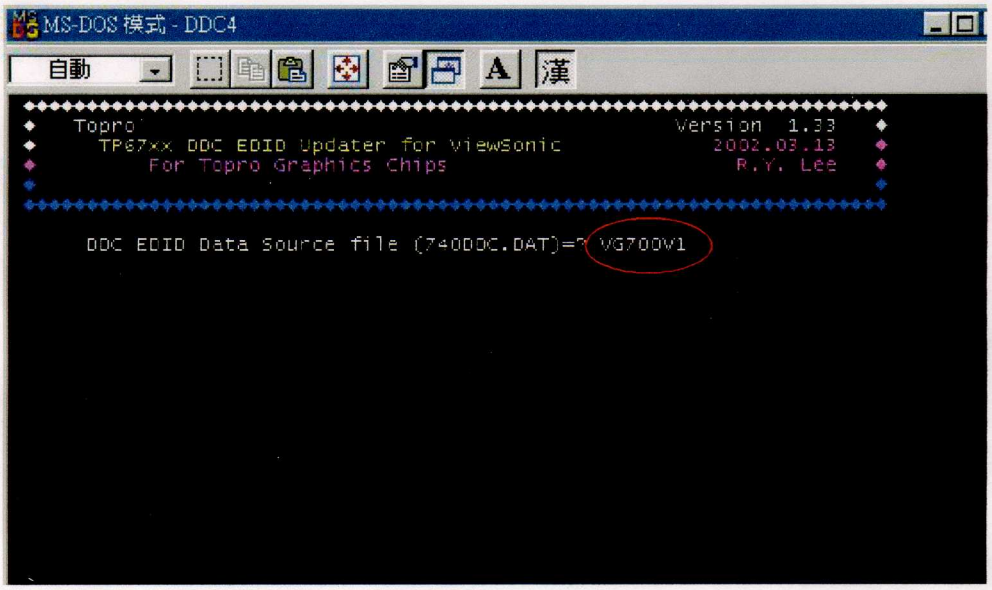
2. *Get into DOS mode.*



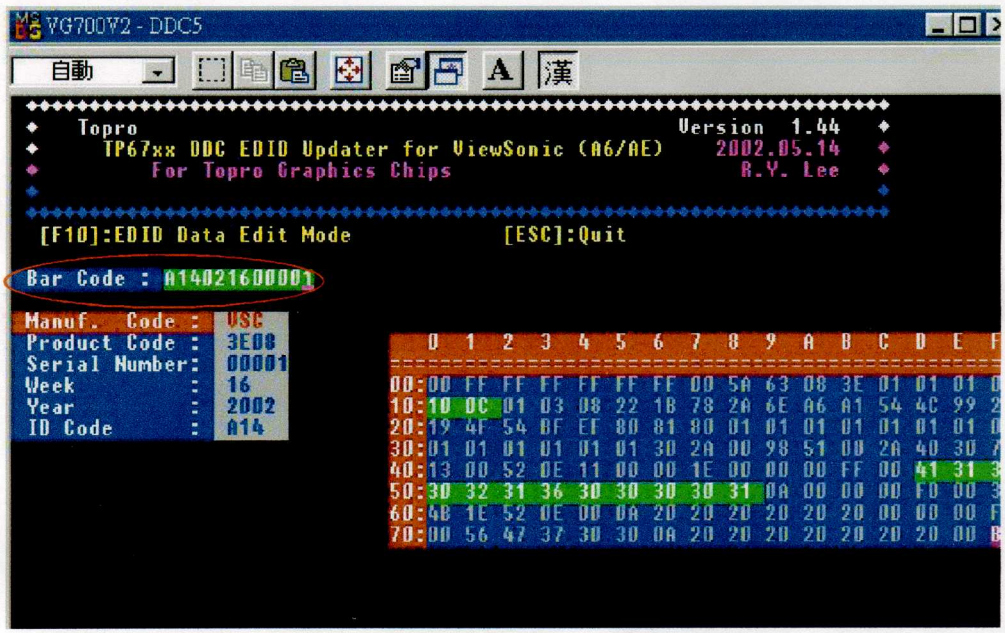
3. *Get into "DDC Update" program where you save.*



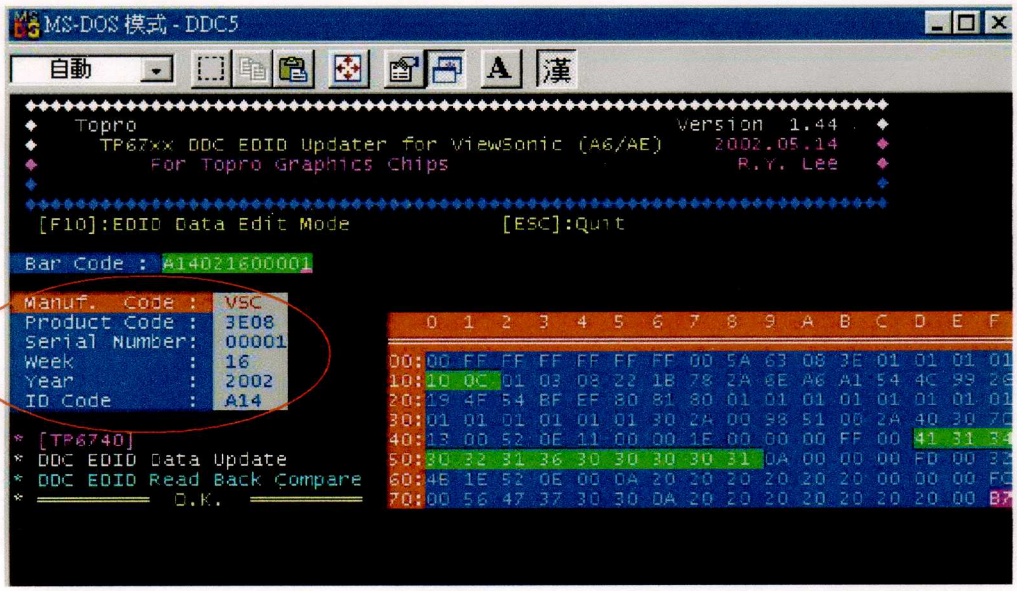
4. *Key in "VG700V1" after DDC EDID Data Source file (740DDC.DAT)=?*



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



6. *The successful picture is as the following:*



7. *Press "[1]" 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(L170E3))

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(typical) 250:1(min)
Luminance of White (Center)	250 nits (Typical), 260 nits (minimum)
White Uniformity	>85% Min. (5 points measurement)
Viewing Angle H, V (CR>10)	H≥0 degrees, V≥5 degrees
Response time (ms)	Typical Tr = 20ms, Tf = 15ms Maximum Tr=35ms; Tf=25ms
Number of Backlight	4 CCFL
Backlight Life	50,000 hours (Typ.)/ 30,000 hours (Min.)

Chapter 10 Appendix

10-1 The Serial Number System Definition

10-1.1 Serial Number for LCD Display

PPP (1) YY (2) WW (3) AAAAA (4)

(1) : PPP: Regional product ID code (ex: A14:VG700.... series)

(2) : YY: Last 2 digits of manufacturing year (ex: 200<u>1</u> - 1, 200<u>2</u> - 2)

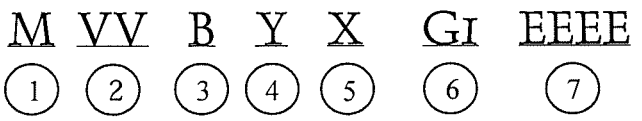
(3) : WW: Manufacturing week

(4) : AAAAA: Sequence number

EX: A14021200003

This label "A14021200003" represents whole serial number for VG700 series model. It's produced on 12-week of 2002 and its serial code is 00003.

10-1.2 Serial Number for PCBA Main Board



(1) : M = Vendor (ex: M= Might,)

(2) : VV = Model Code (ex: G5= VG700 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)

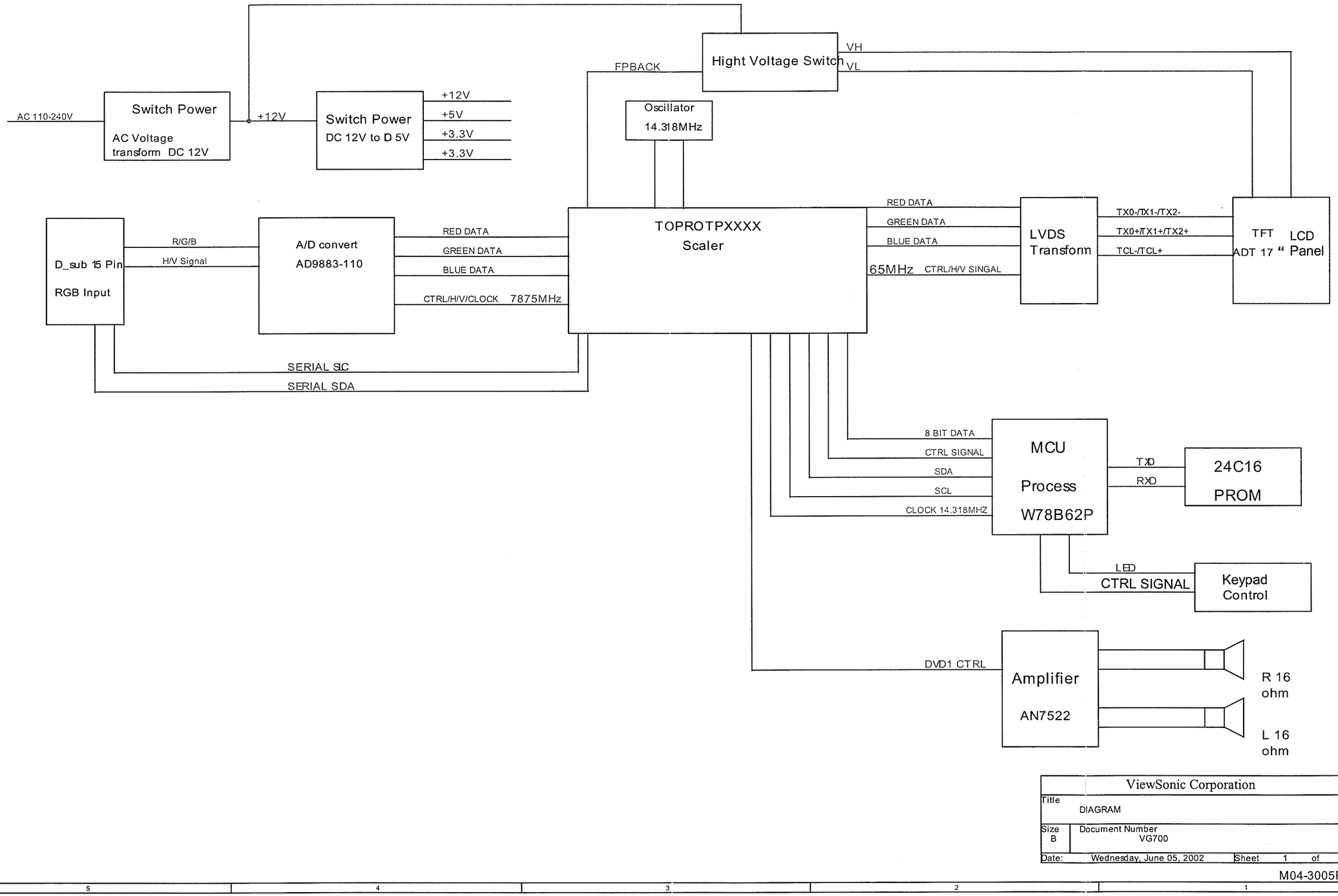
(6) : G1 = Version (ex: G1.....etc.)

(7) : EEEE = Serial Code (from 0001~)

EX: MG5M23G10003

This label "MG5M23G10003" represents Main board of version G1 for VG700 on March, 2002. Its serial code is 0003.

Chapter 11 Schematic Diagrams



ViewSonic Corporation		
Title: DIAGRAM		
Size: B	Document Number: VG700	Rev: H
Date: Wednesday, June 05, 2002	Sheet 1 of 1	

M04-3005F1Rev.A

VGA Analog Input

AD9883

AD9883 PLL

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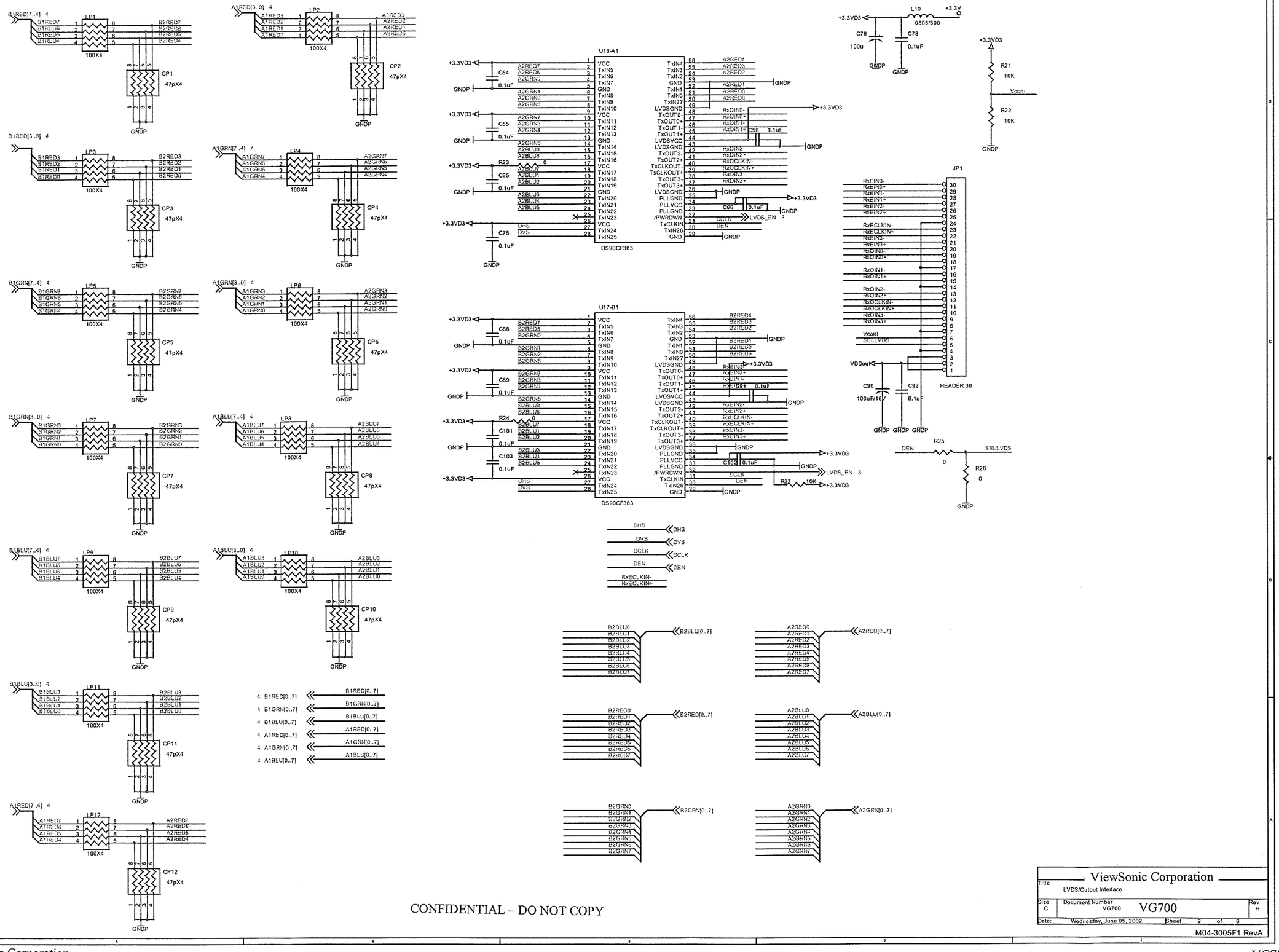
ViewSonic Corporation

Title: Input / AD9883

Size: C | Document Number: VG700 | Rev: H

Date: Wednesday, June 05, 2002 | Sheet 1 of 6

M04-3005F1 RevA



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Title	ViewSonic Corporation LVDS/Output Interface	
Size C	Document Number VG700	Rev H
Date: Wednesday, June 05, 2002	Sheet 2 of 6	

M04-3005F1 RevA

MPU Interface

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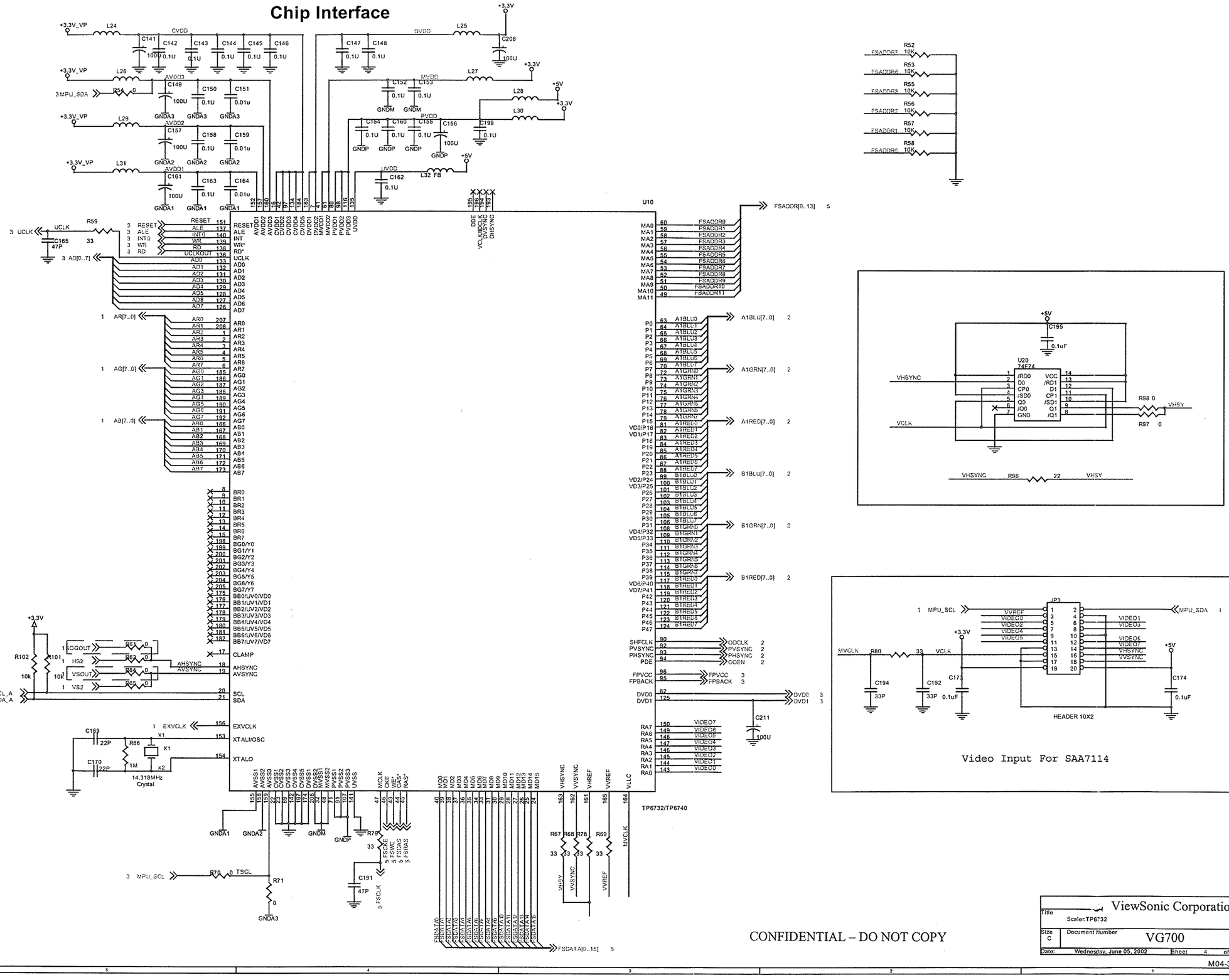
Title	ViewSonic Corporation MPU/IO Interface and Power
Size	C
Document Number	VG700
Rev	H
Date:	Wednesday, June 05, 2002
Sheet	3 of 6

M04-3005F1 RevA

Chip Interface



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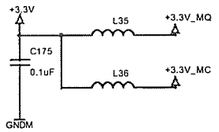
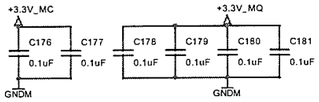
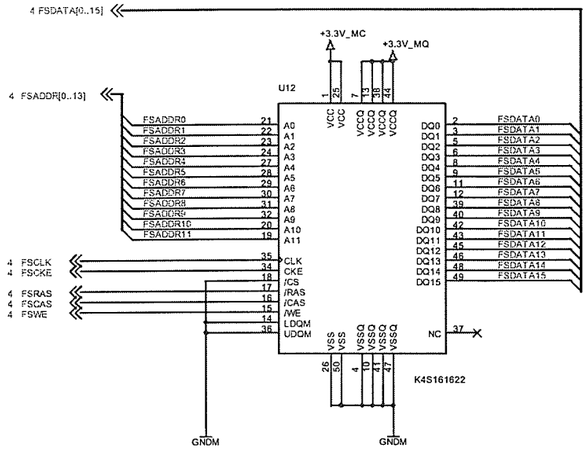
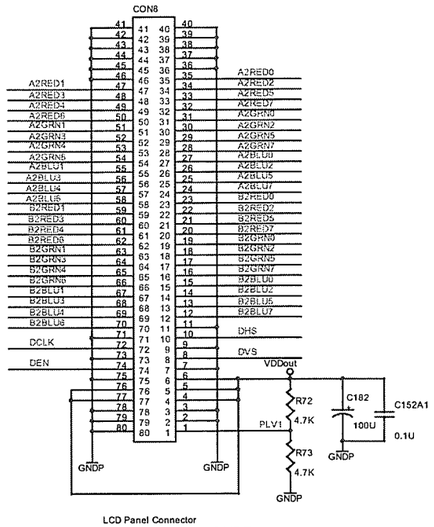
Title	ViewSonic Corporation		
	Scaler:TP6732		
Size C	Document Number VG700		Rev H
Date:	Wednesday, June 05, 2002	Sheet 4 of 6	

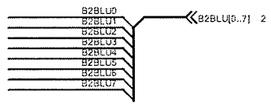
M04-3005F1 RevA

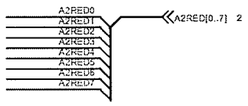


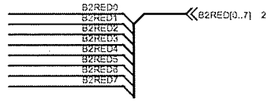


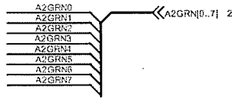


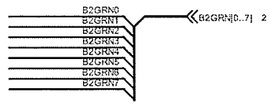


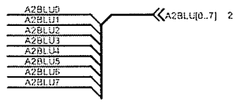


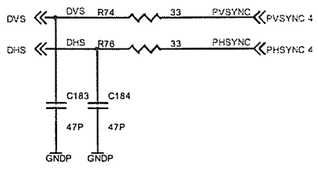


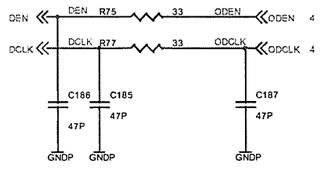












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ViewSonic Corporation

Title: Video Memory & Connector

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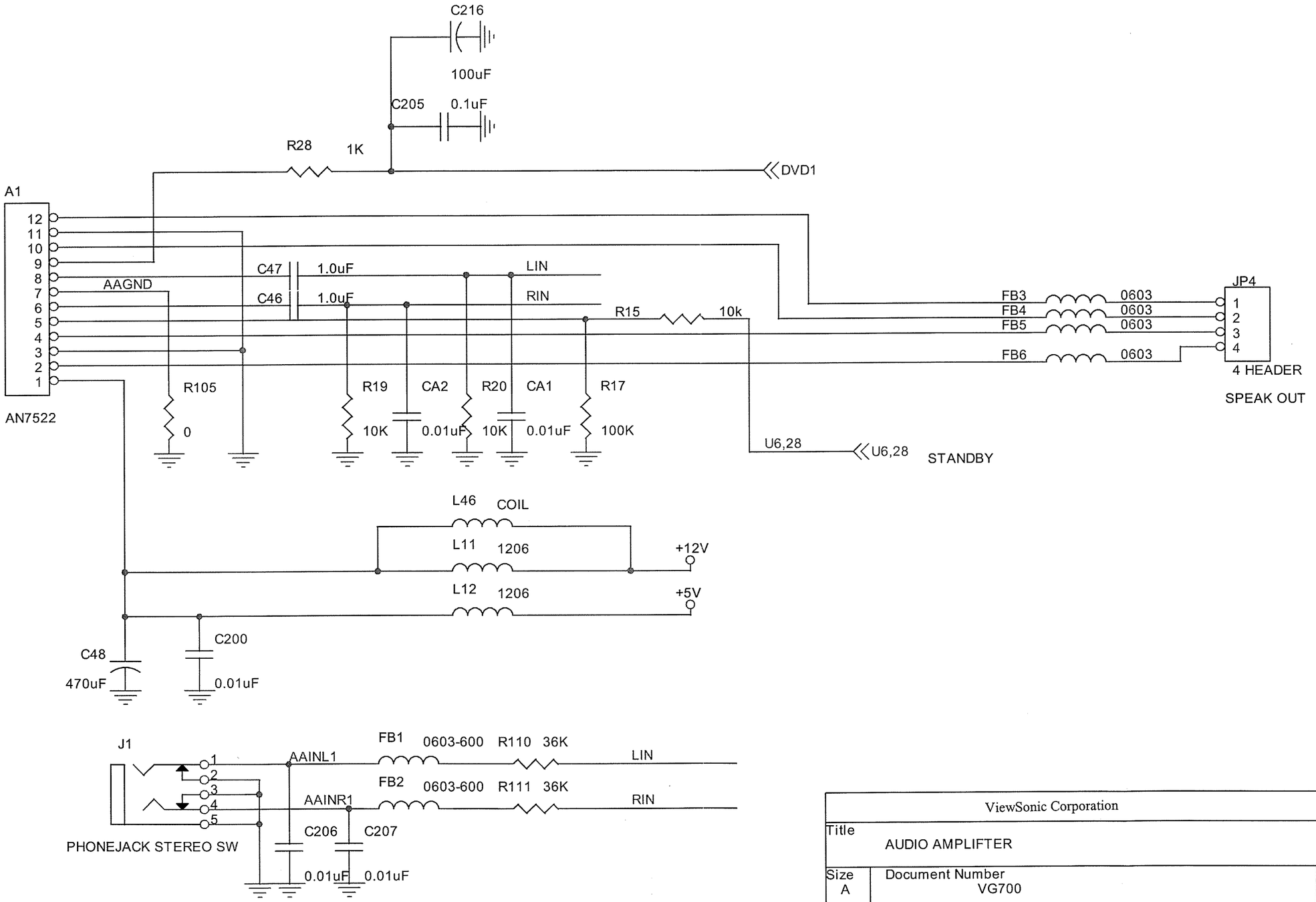

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ViewSonic Corporation		
Title: AUDIO AMPLIFTER		
Size: A	Document Number: VG700	Rev: H
Date: Wednesday, June 05, 2002	Sheet 6 of 6	
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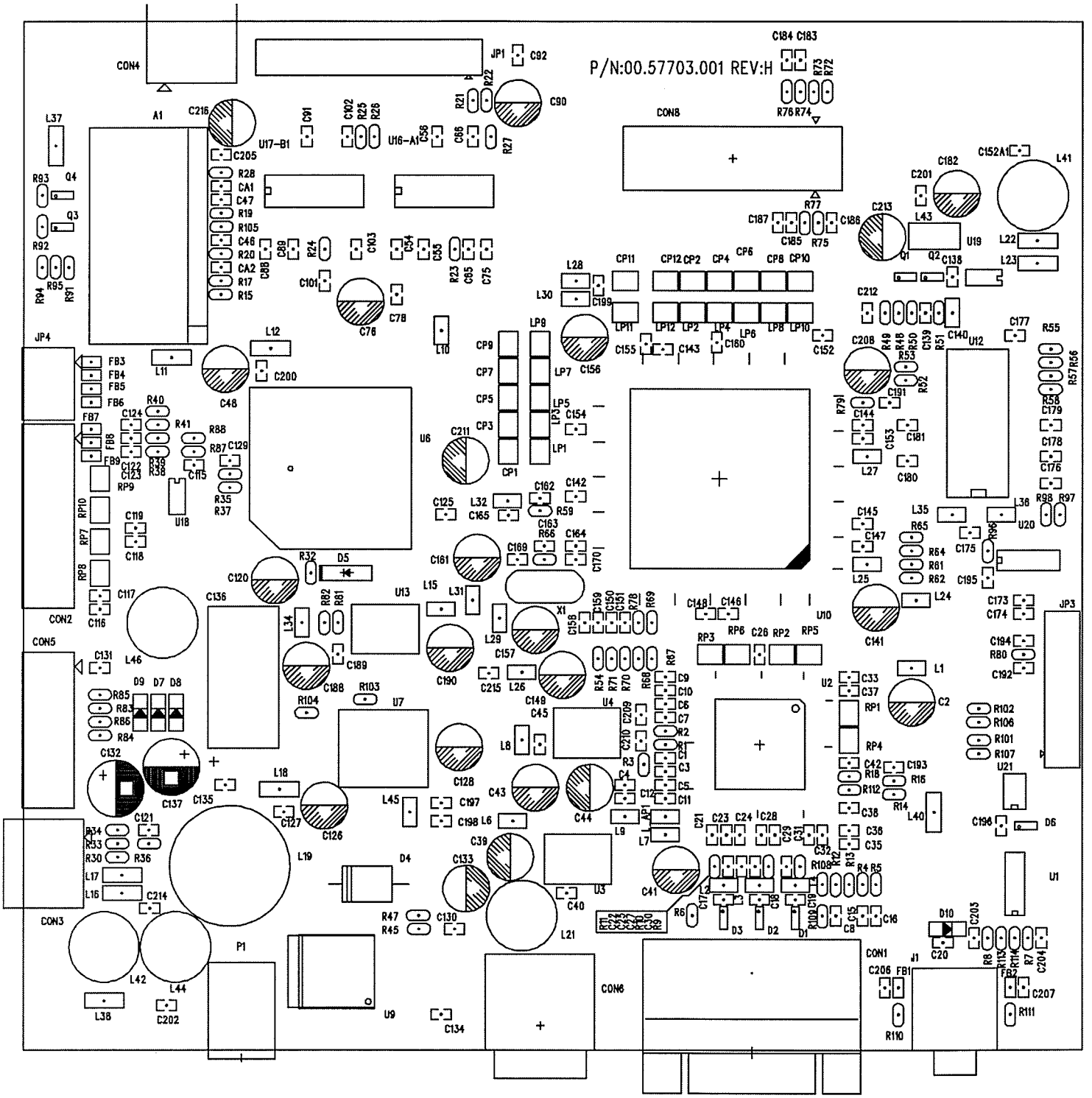
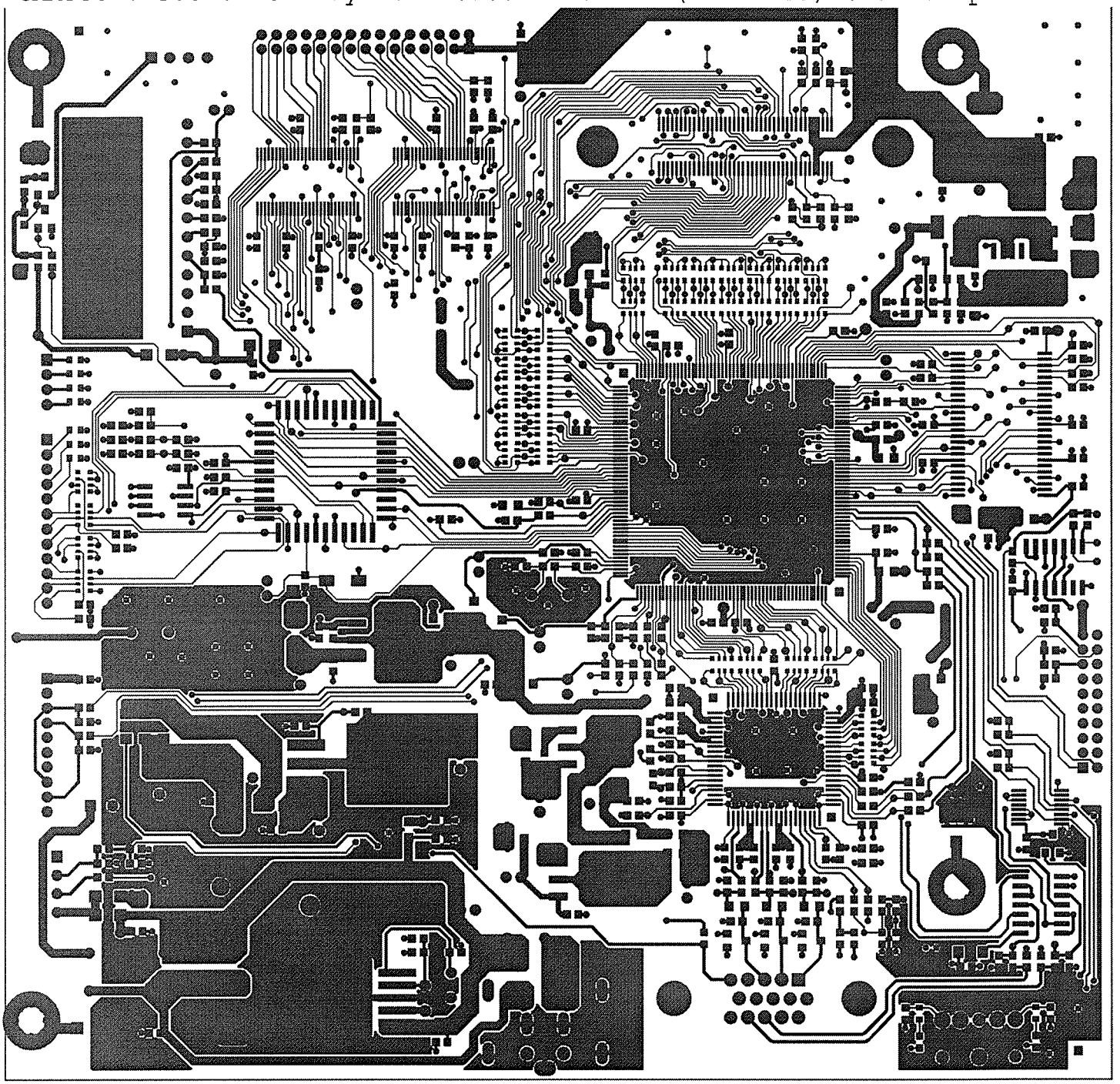
Chapter 12 PCB Layout Drawings



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

CAM350 V 5.0 : Mon May 13 21:36:31 2002 - (Untitled) : art01.pho



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

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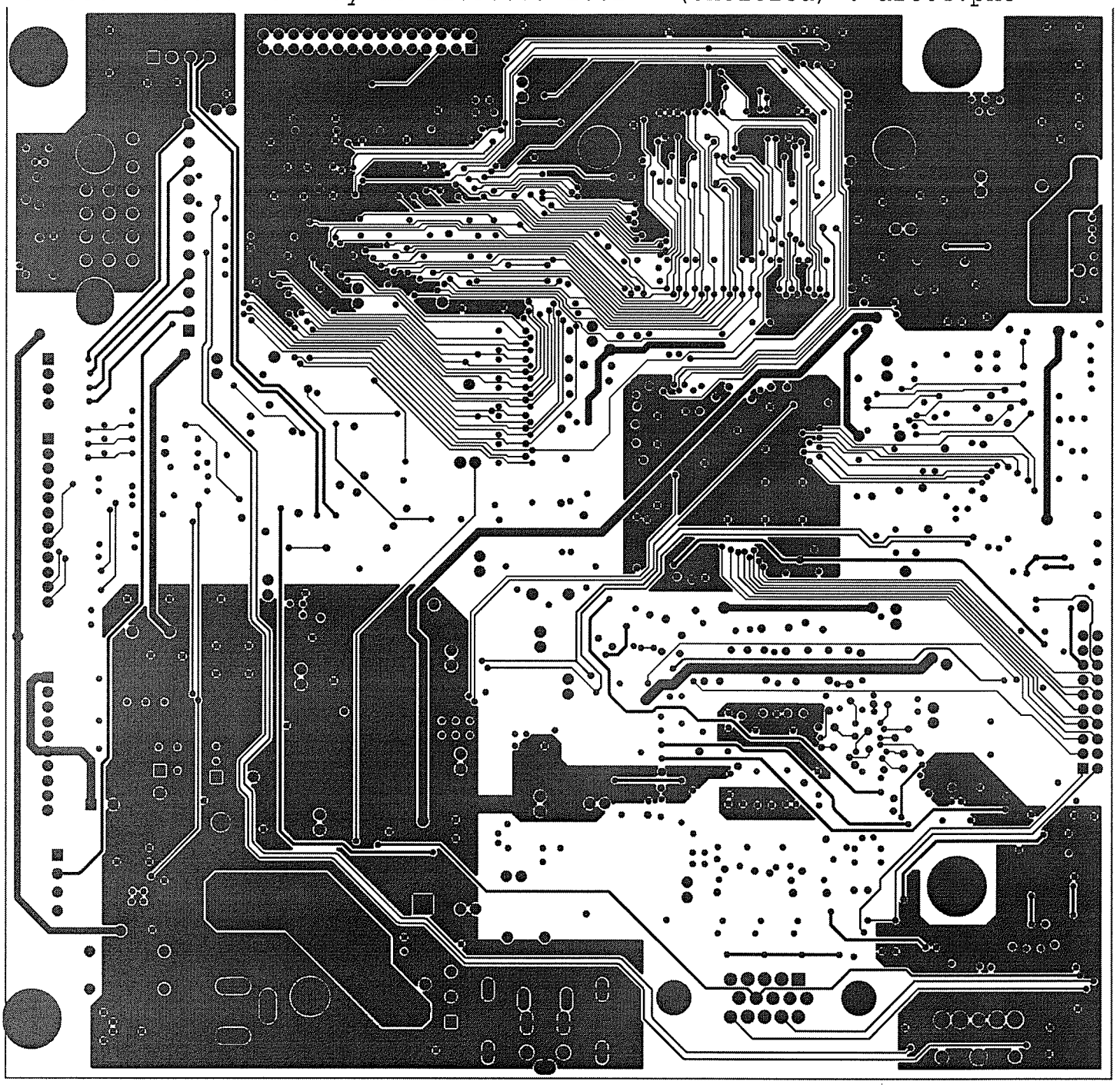

ViewSonic Corporation		TEL:(03)5794780 FAX:(03)5794782 E-Mail:sun8541@ms12.hinet.net	
BOARD NAME	PV755AV	PART No.	
		DATE	3/26/2002
LAYER NAME	4'TH LAYER (SOLD. SIDE)	SHEET	4 OF 8

Chapter 13 Complete Parts List

ViewSonic Complete Parts List

Description: VG700 LCD DISPLAY

Level	Item Seq	ViewSonic P/N	Component Substitutes	Rev	Description Location	UOM	Q'ty	Effective Date
1	10	N/A	DC.58301.002	A	D.C. VG700;AU-M170EN05	Pcs	1.000	03/04/02
.2	10	N/A	35.58301.001	A	LABEL SPEC 75*50mm VG700	Pcs	1.000	03/04/02
.2	15	N/A	35.58302.001	A	LABEL BAR CODE 40*40mm ViewSonic	Pcs	1.000	03/04/02
.2	20	N/A	35.58304.001	A	LABEL BARCODE 40*14 ViewSonic	Pcs	1.000	05/17/02
.2	30	M-MS-0808-8142	51.58304.001	A	HINGE CAP ABS HB-VS06 VG700/750	Pcs	1.000	03/04/02
.2	35	M-MS-0808-8144	51.58313.001	A	REAR ARM ABS HB-VS06 VG700/750	Pcs	1.000	03/04/02
.2	40	M-MS-0808-8116	51.58711.001	A	NAMEPLATE ELLIPSE ViewSonic	Pcs	1.000	03/04/02
.2	50	N/A	70.58301.002	A	ASSY DISPLAY,VG700,AU-M170EN05	Pcs	1.000	03/04/02
..3	5	N/A	35.00010.002	A	LABEL CAUTION HIGH VOLTAGE 25.4*19mm	Pcs	1.000	03/21/02
..3	10	M-LB-0830-0695	35.58202.001	A	BIRD LOGO AL E015-001 ViewSonic	Pcs	1.000	03/04/02
..3	15	N/A	35.58303.001	A	LABEL BRACKET 168*82.5mm VG700	Pcs	1.000	05/16/02
..3	20	N/A	35.90305.001	A	ViewSonic AL-LOGO	Pcs	1.000	03/04/02
..3	50	M-WR-0828-0636	42.58301.001	A	W.A. 10/6P UL1007 #24 100mm VG700(INV)	Pcs	1.000	03/04/02
..3	50	N/A	42.58203.011	A	W.A.12P UL1571#28 260mm W/CORE(MB/CTRL)	Pcs	1.000	04/30/02
..3	51	M-WR-0828-0644	42.58302.001	A	W.A. 30P UL20276 #28 200mm+CORE	Pcs	1.000	04/12/02
..3	60	B-SB-0221-0448	44.58301.001	A	PCBA INVERTER LI2113 LIEN CHANG	Pcs	1.000	03/04/02
..3	80	M-LCD-0826-0121	48.58301.001	A	TFT LCD 17.0" 1280*1024 AU M17EN05 V1	Pcs	1.000	03/04/02
..3	90	E-SK-0412-0049	49.58301.001	A	ASSY SPEAKER MODULE MEI SHAN HB34	Pcs	1.000	03/04/02
..3	96	N/A	51.00028.001	A	WIRE MOUNTS PG-FW-4D	Pcs	1.000	05/17/02
..3	100	C-FP-0301-0870	51.58301.001	A	FRONT COVER ABS HB-VS07A VG700	Pcs	1.000	03/04/02
..3	115	N/A	51.58305.001	A	INSULATION MYLAR FOR VG700/750	Pcs	1.000	03/21/02
..3	116	N/A	51.58306.001	A	LIGHT LEAKAGE 24*34*0.05mm MYLAR VG700/750	Pcs	2.000	06/07/02
..3	120	PL-PD-0714-0065	52.00004.001	A	RUBBER PAD	Pcs	4.000	03/04/02

ViewSonic Complete Parts List

Description: VG700 LCD DISPLAY

Level	Item Seq	ViewSonic P/N	Component Substitutes	Rev	Description Location	UOM	Q'ty	Effective Date
..3	140	N/A	61.58301.002	A	SUPPORT BRKT SECC 0.8t VG700(AU)	Pcs	1.000	03/04/02
..3	145	M-MS-0808-8149	61.58304.001	A	"L" BRACKET SECC 0.8t VG700(AU)	Pcs	2.000	03/04/02
..3	150	M-MS-0808-8150	75.58301.001	A	ASSY COSMETIC CAP VG700	Pcs	1.000	03/04/02
...4	10	PL-NB-0707-0172	51.58206.001	A	SELECT KNOB ABS CS-VS07A VG700	Pcs	1.000	01/04/02
...4	20	M-MS-0808-8176	51.58207.001	A	LED LENS ACRYLIC VG700	Pcs	1.000	01/04/02
...4	30	M-MS-0808-8148	51.58303.001	A	COSMETIC CAP ABS HB-VS06 VG700	Pcs	1.000	01/04/02
..3	151	N/A	75.58302.001	A	ASSY REAR COVER ABS HB-VS06 VG700	Pcs	1.000	04/09/02
...4	10	C-BC-0302-0416	51.58302.001	A	REAR COVER ABS HB-VS06 VG700	Pcs	1.000	04/09/02
...4	30	N/A	61.00042.001	A	LOCK BRKT+CAP SECC 0.8t	Pcs	1.000	06/05/02
..3	160	B-MB-0201-0671	80.58301.001	H3	PCBA MAIN BD VG700	Pcs	1.000	03/04/02
...4	10	N/A	00.57703.001	H	BARE PCB L:4 MAIN BD	Pcs	1.000	01/04/02
...4	15	N/A	01.00034.501	A	RES RP 0 5% 1/4W CHIP #1206	Pcs	3.000	01/04/02
					L37,L38,L40.			
...4	20	N/A	01.00036.502	A	RES RP 0 5% 1/16W CHIP #0603;"TA-I TECHNOLO	Pcs	12.000	03/29/02
					R106,R107,R108,R109,R14,R16,R23,R24.R45,R61,R64,R71			
...4	30	N/A	01.10136.501	A	RES RP 100 5% 1/16W #0603	Pcs	4.000	03/29/02
					R1,R12,R13, R2.			
...4	35	N/A	01.10136.502	A	RES RP 100 5% 1/16W X4 V8V 8P SMD	Pcs	18.000	03/29/02
					RP1,RP2,RP3,RP4,RP5,RP6,LP1,LP10,LP11,LP12,LP2, LP3,LP4,LP5,LP6, LP7,LP8,LP9.			
...4	41	N/A	01.10236.502	A	RES RP 1K 5% 1/16W #0603;"TA-I TECHNOLOGY"	Pcs	3.000	06/10/02
					R41,R87,R88.			
...4	50	N/A	01.10336.501	A	RES RP 10K 5% 1/16W x4 V8V 8P SMD "PANASO	Pcs	2.000	01/04/02
					RP7, RP9.			

ViewSonic Complete Parts List

Description: VG700 LCD DISPLAY

Level	Item Seq	ViewSonic P/N	Component Substitutes	Rev	Description Location	UOM	Q'ty	Effective Date
...4	60	N/A	01.10336.502	A	RES RP 10K 5% 1/16W CHIP #0603;"TA-I TECHNO	Pcs	13.000	06/10/02
					R101,R102,R15,R27,R35,R37,R40,R49,R52,R55,R56, R58,R6			
...4	70	N/A	01.10436.501	A	RES RP 100K 5% 1/16W CHIP #0603	Pcs	3.000	01/04/02
					R17, R48, R50.			
...4	81	N/A	01.10536.501	A	RES RP 1M 5% 1/16W CHIP#0603	Pcs	1.000	04/04/02
					R66.			
...4	85	N/A	01.20116.501	A	RES RP 200 1% 1/16W CHIP #0603	Pcs	1.000	05/10/02
					R103.			
...4	87	N/A	01.20236.501	A	RES RP 2K 5% 1/16W CHIP #0603;'TA-I TECHNOL	Pcs	1.000	03/29/02
					R33.			
...4	90	N/A	01.22236.501	A	RES RP 2.2K 5% 1/16W CHIP #0603	Pcs	4.000	06/10/02
					R113, R114, R19, R20.			
...4	95	N/A	01.30116.501	A	RES RP 330 1% 1/16W CHIP #0603	Pcs	1.000	03/29/02
					R104.			
...4	100	N/A	01.30236.501	A	RES RP 3K 5% 1/16W CHIP #0603	Pcs	4.000	06/10/02
					R28, R34, R51, R84.			
...4	110	N/A	01.33036.502	A	RES RP 33 5% 1/16W CHIP #0603;"TA-I TECHNOL	Pcs	6.000	03/29/02
					R59,R7,R74,R75,R76,R8.			
...4	140	N/A	01.47236.501	A	RES RP 4.7K 5% 1/16W CHIP #0603	Pcs	1.000	01/04/02
					R32.			
...4	150	N/A	01.51136.501	A	RES RP 510 5% 1/16W CHIP #0603;"TA-I TECHNO	Pcs	2.000	01/04/02
					R38,R39.			
...4	155	N/A	01.68036.501	A	RES RP 68 5% 1/16W CHIP #0603	Pcs	2.000	03/29/02

ViewSonic Complete Parts List

Description: VG700 LCD DISPLAY

Level	Item Seq	ViewSonic P/N	Component Substitutes	Rev	Description Location	UOM	Q'ty	Effective Date
					R18,R77.			
...4	160	N/A	01.75016.501	A	RES RP 75 1% 1/16W CHIP #0603;"TA-I TECHNOL	Pcs	3.000	01/04/02
					R10,R11, R9.			
...4	163	N/A	01.78216.501	A	RES RP 7.87K 1% 1/16W CHIP #0603	Pcs	2.000	06/10/02
					R110,R111.			
...4	164	N/A	01.82216.501	A	RES RP 8.2K 1% 1/16W #0603	Pcs	1.000	06/10/02
					R3.			
...4	170	N/A	02.10074.404	A	CAP CE 10u 20% 16V 4*7 RADIAL	Pcs	1.000	01/04/02
					C120.			
...4	180	N/A	02.10174.404	A	CAP CE 100u 20% 16V 6.3*11 RADIAL 105 degre	Pcs	14.000	04/24/02
					C126,C141,C156,C161,C182,C190,C2,C208,C216,C39,C41,C44, C48,C90.			
...4	195	N/A	02.10274.403	A	CAP CE 1000u 16F 20% 10*20mm 105℃ (HD) LOW	Pcs	1.000	03/29/02
					C136.			
...4	200	N/A	02.10547.102	A	CAP 100PF 5% 50V NPO #0603	Pcs	8.000	03/29/02
					C116,C117,C118,C119,C122,C123,C124,C125.			
...4	210	N/A	02.10647.101	A	CAP CC 1000PF 10% 50V X7R #0603	Pcs	1.000	05/02/02
					C24.			
...4	215	N/A	02.10747.101	A	CAP CC 0.01uF 10% 50V X7R #0603;"YCTC""TEAM	Pcs	12.000	05/02/02
					C151,C159,C164,C206,C207,C29,C33,C36,C4,C5,C7,C9			
...4	220	N/A	02.10887.101	A	CAP CC 0.1uF +80%-20% 50V Y5V #0603; "YCTC"	Pcs	64.000	06/10/02

ViewSonic Complete Parts List

Description: VG700 LCD DISPLAY

Level	Item Seq	ViewSonic P/N	Component Substitutes	Rev	Description Location	UOM	Q'ty	Effective Date
					C10,C102,C103,C11,C115,C12,C121,C127,C129,C131,C134,C135,C138,C139,C142,C143,C144,C145,C146,C147,C148,C150,C152,C152A1,C153,C154,C155,C158,C160,C162,C163,C197,C198,C199,C20,C200,C201,C202,C205,C21,C212,C23,C26,C28,C31,C32,C37,C38,C40,C42,C46,C47,C54,C55,C56,C6,C65,C66,C75 ,C8,C88,C89,C91,C92			
...4	240	N/A	02.22447.101	A	CAP 22PF 5% 50V NPO #0603;"YCTC""TEAM YOUNG	Pcs	2.000	04/17/02
					C169,C170.			
...4	291	N/A	02.47174.404	A	CAP CE 470u 20% 16V 8*11.5 105 Degree RADIA	Pcs	4.000	04/09/02
					C128,C132,C133,C137.			
...4	293	N/A	02.47487.101	A	CAP CC 47pF*4 NPO 8P4C #1206	Pcs	12.000	01/04/02
					CP1,CP10,CP11,CP12,CP2,CP3,CP4,CP5,CP6,CP7,CP8,CP9			
...4	295	N/A	02.47647.101	A	CAP CC 47pF 5% 50V NPO #0603	Pcs	1.000	04/17/02
					C165.			
...4	300	N/A	02.47745.103	A	CAP CC 0.047uF 10% 25V X7R #0603	Pcs	3.000	03/29/02
					C22,C25,C30.			
...4	302	N/A	02.56647.102	A	CAP CC 0.0056uF 10% 50V X7R #0603	Pcs	1.000	06/10/02
					C1.			
...4	303	N/A	02.56745.101	A	CAP CC 0.056uF 10% 25V X7R #0603	Pcs	1.000	06/10/02
					C3.			
...4	310	N/A	03.00020.401	A	INDCTR BEAD 600Ω CHIP #0805 "MAG LAYERS"	Pcs	15.000	03/29/02
					L1,L10,L15,L24,L25,L26,L27,L29,L30,L31,L32,L45,L6,L7,L_AP1			
...4	315	N/A	03.00052.401	A	INDCTOR BEAD MLB-160808-0600A-N1 SMD ; "MAG	Pcs	12.000	03/29/02
					FB1,FB2,FB3,FB4,FB5,FB6,FB7,FB8,FB9,R105,R85,R86			
...4	340	N/A	03.00091.401	A	EMI BEAD MLB-321611-0600A-N2	Pcs	4.000	02/07/02

ViewSonic Complete Parts List

Description: VG700 LCD DISPLAY

Level	Item Seq	ViewSonic P/N	Component Substitutes	Rev	Description Location	UOM	Q'ty	Effective Date
					D7,D8,L18,L22.			
...4	340	N/A	03.00122.401	A	MLB3216-0600M4-N2 600Ωx4 at 100Mhz #1206	Pcs	2.000	03/29/02
					RP10,RP8.			
...4	345	N/A	03.00127.401	A	INDCTR BEAD #0805 100MHz 30R MLB201209-0030	Pcs	3.000	06/10/02
					L2,L3,L4.			
...4	350	N/A	03.15100.301	A	INDCTR CHOKE 150uH 20% 3A DIP A0060D1 "ARON	Pcs	1.000	01/04/02
					L19.			
...4	352	N/A	03.15142.301	A	INDCR COIL 150uH 10% 1.4A 2 PIN RADIAL FERR	Pcs	4.000	03/29/02
					L41,L42,L44,L46.			
...4	360	N/A	07.14318.001	A	XTAL 14.318MHz HC-49S HALF SIZE "鴻星"	Pcs	1.000	01/04/02
					X1.			
...4	370	N/A	08.2N390.402	A	TRNSTR NPN GENERAL MMBT3904LT1 SOT-23 "MO	Pcs	1.000	01/04/02
					Q1.			
...4	380	N/A	09.1N582.201	A	DIODE IN5822 SCHOTTKY RECTIFIER DO201AD	Pcs	1.000	01/04/02
					D4.			
...4	391	N/A	09.1PS22.601	A	DIODE HIGH-SPEED 1PS226 SMD "PHILIPS"	Pcs	3.000	01/04/02
					D1,D2,D3.			
...4	398	N/A	09.SS054.001	A	DIODE SCHOTTKY Barrier SS0540 0.5 A SOD123	Pcs	1.000	05/17/02
					D10.			
...4	401	N/A	11.010F2.305	A	CNNT F PWR JACK PJ-20 "HCH"	Pcs	1.000	01/04/02
					P1.			
...4	410	N/A	11.042M2.306	A	CNNT M 4P 2mm RT/LEAD TU2001WNR-04 "TYU"	Pcs	1.000	01/04/02
					JP4.			

ViewSonic Complete Parts List

Description: VG700 LCD DISPLAY

Level	Item Seq	ViewSonic P/N	Component Substitutes	Rev	Description Location	UOM	Q'ty	Effective Date
...4	416	N/A	11.059F2.010	A	CNNT PHONE JACK ST/LEAD 2SJ-P520-A04 LIME (	Pcs	1.000	01/04/02
					J1.			
...4	420	N/A	11.102M2.303	A	CNNT 10P 2.0mm TU2001WNR-10 RT/DIP;"TYU"	Pcs	1.000	01/04/02
					CON5.			
...4	430	N/A	11.122M2.303	A	CNNT 12P 2.0mm TU2001WNR-12 RT/DIP;"TYU"	Pcs	1.000	01/04/02
					CON2.			
...4	440	N/A	11.155F2.203	A	CNNT D-SUB 15P RT/LEAD BLUE PC99 VGA	Pcs	1.000	01/04/02
					CON1.			
...4	445	N/A	11.302M2.301	A	CNNT M 30P 2mm RT/LEAD P220-2*15-R ;"LCU"	Pcs	1.000	01/04/02
					JP1.			
...4	470	N/A	20.11173.301	A	IC VOLTAGE REGULATOR LT1117-3.3 800mA "LINE	Pcs	1.000	01/04/02
					U3.			
...4	490	N/A	20.74ACT.142	A	IC CMOS MC74ACT14D HEX INVERTING 14SO "Moto	Pcs	1.000	01/04/02
					U1.			
...4	501	N/A	20.AD988.311	A	IC AD9883-140 A/D CONVERTOR 140MSPS TQFP-80	Pcs	1.000	01/04/02
					U2.			
...4	510	N/A	20.AIC10.841	A	IC AIC1084CM 5A LINEAR REG TO-263	Pcs	1.000	01/04/02
					U7.			
...4	520	N/A	20.AN752.201	A	IC AUDIO AN7522 DUAL 3-W AMPLIFIER	Pcs	1.000	01/04/02
					A1.			
...4	525	N/A	20.CS582.801	A	IC LVDS CS5828 8BIT 56PIN TSSOP 85MHZ	Pcs	2.000	01/04/02
					U16-A1,U17-B1.			
...4	530	N/A	20.SI230.4D1	A	IC NMOS SI2304DS VISHAY SOT-23	Pcs	1.000	01/04/02

ViewSonic Complete Parts List

Description: VG700 LCD DISPLAY

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					Q2.			
...4	540	N/A	20.SI805.0S1	A	IC SI-8050S(LF1102) Switching Regulator TO2	Pcs	1.000	01/04/02
					U9.			
...4	551	N/A	20.TP674.001	A	IC ASIC TP6740 XGA TOPRO 208 PIN QFP SCANLI	Pcs	1.000	01/04/02
					U10.			
...4	560	N/A	21.24LC1.601	A	IC EEPROM 24LC16B/SN M 2K*8 BIT IIC BUS "MI	Pcs	1.000	01/04/02
					U18.			
...4	575	N/A	22.58301.001	A	FW EPROM VG700	Pcs	1.000	05/27/02
....5	10	N/A	21.W78E6.2B1	A	IC W78E62BP-40 MLU 4KB MTP 64KB ISP FL	Pcs	1.000	12/21/01
					U6.			
....5	30	N/A	39.58301.001	A	FW BIOS SOURCE CODE VG700	Pcs	1.000	05/27/02
...4	580	N/A	35.00017.001	A	LABEL BIOS 13*11mm BLANK	Pcs	1.000	01/16/02
					U6.			
...4	590	N/A	35.00018.001	A	LABEL BARCODE 13*26.5mm BLANK	Pcs	2.000	01/04/02
...4	595	N/A	61.00039.001	A	EYELET BR φ 3*4.0	Pcs	2.000	01/16/02
					A1.			
...4	600	N/A	61.00039.002	A	EYELET BR φ 3*6.0	Pcs	1.000	01/04/02
					U9.			
..3	170	B-CB-0206-0135	80.58202.001	B	PCBA CTRL BD VG700	Pcs	1.000	03/04/02
...4	10	N/A	00.58201.001	B	BARE PCB L:2 CTRL BD VG700	Pcs	1.000	12/20/01
...4	20	N/A	09.L115V.EG1	A	DIODE LED GREEN/RED DIP D3.0mm L-115VEGW "	Pcs	1.000	12/21/01
					D1.			
...4	30	N/A	11.122M2.302	A	CNNT M 12P 2mm RT/LEAD P-220-2*6-R	Pcs	1.000	12/20/01

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Description: VG700 LCD DISPLAY

Level	Item Seq	ViewSonic P/N	Component Substitutes	Rev	Description Location	UOM	Q'ty	Effective Date
					CON2.			
...4	35	N/A	35.00016.001	A	LABEL BARCODE 6*38mm BLANK	Pcs	1.000	12/27/01
...4	40	N/A	43.52102.002	A	SWITCH PUSH PT-002-B2 DC12V 50mA	Pcs	8.000	12/20/01
					SW1,SW2,SW3,SW4,SW5,SW6,SW7,SW8.			
..3	180	M-MS-0808-6287	85.005AG.075	A	SCREW HEX I/O #4-40*H5*L7.5 Ni NYLOK	Pcs	2.000	03/04/02
..3	190	M-SCW-0824-0651	85.1F123.060	A	SCREW PAN MECH W/SF M3*6 Ni	Pcs	18.000	03/07/02
..3	195	N/A	85.SA123.070	A	SCREW BIN TAP/2L M3*7Ni	Pcs	4.000	06/07/02
..3	200	N/A	85.SA123.120	A	SCREW BIN TAP/2L M3*12 Ni	Pcs	2.000	05/16/02
..3	210	M-SCW-0824-0655	85.UA323.070	A	SCREW PAN TAP DOUBLE THREADS M3*7 Black	Pcs	8.000	06/07/02
.2	60	N/A	70.58302.001	0	ASSY STAND VG700/750	Pcs	1.000	03/04/02
..3	10	M-CV-0830-2301	51.58311.001	A	BASE COVER ABS HB-VS06 VG700/750	Pcs	1.000	01/04/02
..3	20	M-MS-0808-8143	51.58312.001	A	FRONT ARM ABS HB-VS06 VG700/750	Pcs	1.000	01/04/02
..3	30	PL-PD-0714-0064	52.00003.001	A	RUBBER FOOT 25*10*1.2t	Pcs	5.000	01/04/02
..3	40	M-MS-0808-8145	61.58302.001	A	HINGE TILT SPHC 2.0t VG700/750	Pcs	1.000	01/04/02
..3	50	M-MS-0808-8146	61.58303.001	A	BASE PLATE SGCC 2.0t VG700/750	Pcs	1.000	01/04/02
..3	60	N/A	85.1F124.120	A	SCREW PAN MECH W/SF M4*12 Ni	Pcs	4.000	06/07/02
..3	61	M-SCW-0824-0658	85.4A124.080	A	SCREW FLAT MECH M4*8 Ni	Pcs	4.000	01/15/02
..3	70	N/A	85.SA123.070	A	SCREW BIN TAP/2L M3*7Ni	Pcs	4.000	06/07/02
..3	100	M-SCW-0824-0656	85.YA123.080	A	SCREW FLAT TAP M3*8 Ni	Pcs	4.000	06/07/02
1	20	N/A	DP.58301.00V	A	D.P. VG700;WORLD WIDE	Pcs	1.000	03/04/02
.2	10	A-PC-0106-0186	42.50112.001	A	CABLE POWER CORD 1830mm SP-023+IS14 EUR.	Pcs	1.000	02/06/02
.2	20	A-PC-0106-0188	42.57207.001	A	CABLE POWER CORD 1.8M±0.1M UNSHIELD (NA)	Pcs	1.000	02/06/02
.2	30	N/A	70.583DP.001	A	COMMON PACKAGE VG700	Pcs	1.000	02/06/02

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Level	Item Seq	ViewSonic P/N	Component Substitutes	Rev	Description Location	UOM	Q'ty	Effective Date
..3	3	N/A	35.58203.001	A	LABEL CARTON 76*76mm	Pcs	1.000	03/21/02
..3	8	A-CD-VG750	36.58302.001	A	USER'S GUIDE MULTILINGUAL+CD+TCO'99 ECO DOC	Pcs	1.000	03/08/02
..3	10	A-VC-0101-0265	42.59901.004	A	CABLE VGA 15P 1800mm 2 CORE	Pcs	1.000	05/10/02
..3	15	A-AU-0120-0032	42.59903.001	A	CABLE AUDIO 1.8M LM/BK/LM VG700	Pcs	1.000	01/07/02
..3	20	A-AD-0114-0149	47.58301.001	A	ADAPTER IN:100-240V OUT:12V/3.33A;LSE	Pcs	1.000	01/04/02
..3	30	M-MS-0808-8141	51.00081.002	A	PE BAG LDPE 540*750*0.04t W/HOLE	Pcs	1.000	03/08/02
..3	50	P-BX-0601-0683	55.58301.001	A	CARTON AB VG700	Pcs	1.000	01/04/02
..3	60	P-FM-0602-0752	56.58301.001	A	CUSHIONS R EPS VG700	Pcs	1.000	01/04/02
..3	70	P-FM-0602-0753	56.58302.001	A	CUSHIONS L EPS VG700	Pcs	1.000	01/04/02
..3	80	N/A	58.58301.001	A	WOOD PALLET 1125*1000mm	Pcs	0.025	05/17/02

***** End of Report *****