

Service Manual

ViewSonic VX700-3

Model No.VLCDS26104-3W

17" Color TFT LCD Display

(VX700-3_SM_648 -Rev.1a-Feb 2003)

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Revision History

Revision	Date	Description Of Changes	Approval
1a	02/07/03	Initial Reversion DCN-3052	C.Shen

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1. Engineering Specifications

1. Scope

The following specifications are applicable to model VX700-3 17 inch color LCD monitor.

General Description (VX700-3)

LCD	Chi-Mei 17.0" SXGA TFT- MVA (premium)		
	Size	17.0 inches diagonal	
	Effective Display Size	337.92 mm X 270.34 mm (typical)	
	Pixel Pitch	0.264 mm X 0.264 mm	
	Resolution	1280 x 1024 dot (SXGA)	
	Brightness	250 cd / m ² (typ.), 200 min.	
	Contrast Ratio	(500):1(typ.), 350 min.	
	Color	16,777,216	
	Viewing Angle	Up 85° Down 85° (typical) Left 85° Right 85°(typical) CR>10:1	
	Surface treatment	Anti-Glare	
Input Signals	RGB	Analog 0.7 Vp-p / 75Ω	Positive Polarity TTL level
		Separate sync. Composite sync Sync-On-Green	
	Digital	TMDS.	
Input connector	Analog	mini D-sub 15 pin x 1	
	Digital	DVI-D x 1	
	Audio	min-Din 2 channel x 2	
		Micro-phone jack	
Speaker	Max 3W x 2		
Main IC	GM5120		

Display Colors	16,777,216		
Preset Timings	SXGA/60Hz, 75Hz, XGA/60Hz, 70Hz, 75Hz, 85Hz SVGA/56Hz, 60Hz, 72Hz, 75Hz, 85Hz VGA/60Hz, 72Hz, 75Hz, 85Hz Dos-text/70Hz		
Synchronization	Horizontal	30 kHz to 83 kHz	(automatically)
	Vertical	50 Hz to 75 Hz	(automatically)
	Non-interlaced		
		Max Pixel Rated 135Mhz	
Resolution	Horizontal	1280 dots	
	Vertical	1024 lines	
Active Display Area	Horizontal	337.92 mm (typical)	
	Vertical	270.34 mm (typical)	
	(Active display area is dependent upon signal timings)		
Power Supply Rating	AC adapter input	AC90V-264V	50 / 60 Hz
AC Power Consumption	45W	On mode	
	less than 3W	Off mode(w/o audio cable connected)	
Current Rating	AC input	0.7A	@AC 100-240V
	DC input	4.0A	@DC 12.0V
Dimensions	Net	410 (W) x 432 (H) x 180.6 (D) mm	
	Gross	486 (W) x 525 (H) x 275 (D) mm	
Weight	Net	6.0Kg	
	Gross	8.7Kg	
Environmental Conditions	Operating Temperature	0 to 50°C (PANEL SURFACE)	
	Operating Humidity	20 to 80% (no condensation, < wetbulb 29 degree C)	
		-20 to 60°C	
	Storage Temperature	5 to 85% (no condensation, <	
	Storage Humidity	wetbulb 29 degree C)	

Accessories	AC power cord-UL	1.8m
	AC power cord-Schuko	1.8m
	Analog VGA cable	1.8m
	DVI-D cable	1.8m
	Audio cable	1
	Micphone cable	1
	ViewSonic CD-Wizard	1
Regulatory Standards	UL, CSA or cUL, CB Report, CE, FCC-B, DOC-B, <u>TUV/Ergo</u> (which <u>covers ISO13406-2 and MPRIII</u>), TUV/GS, PCT (GOST-R) with 20 Hygienic certificates, PCBC (B Mark), SEMKO, DEMKO, FIMKO, NEMKO, BSMI, VCCI, CCIB/EMC, CCEE, PSB (Singapore Safety), TCO'99, NOM and Argentina IRAM (thru TUV).	
Osd Language	English, French, German, Spanish, Finnish, Italian, Japanese, Traditional Chinese, Simplified Chinese	
Others	Tilt Angle 20° up / 5° down Power Saving System User Control with On Screen Display- VESA DDC1/2B compatible (digital port DDC2B only)	

2. Electrical Characteristics

2.1 Power Supply

2.1.1 AC Input

Input Voltage	AC90-264V
Frequency	47 / 63Hz
Power Consumption:	
45 W (typ)	on mode
Less than 3W	power save mode (audio cable not connected)
Current Rating	0.7A @ AC100-240V

2.2 LCD

LCD	Chi-Mei panel(TFT-MVA)
Effective display size	337.92 (H) x 270.34 (V) mm (typ) 17.0" / 43 cm diagonal
Pixel number	1280 x 1024 pixels
Color filter arrangement	R.G.B. vertical stripe
Display method	TFT, normally black
Drive method	Active matrix (TFT) - MVA
Dot pitch	0.088 (H) x 0.264 (V) mm
Pixel pitch	0.264 (H) x 0.264 (V) mm
Dot number	1280 x 1024 x 3 dots
Backlight	Edge-lighting type with 4 CCFLs (Cold Cathode Fluorescent Tube)
Brightness	200 cd / m ² (min: center / all white)
Contrast ratio	350:1 (min)
Display color	16,777,216
Typical viewing angle	Up 85° / down 85° / right 85° / left 85° (Contrast ratio>10 at Ta=25°C, 77°F)
Response time	25 msec (Typical at 25 degree C)

2.3 Interface Signals

2.3.1 RGB Video Signals

2.3.1.1 Separate Sync. Signals

Analog R, G, B 0 - 0.7 Vp-p

Signal Level 75Ω± 5%
Sync Level TTL level
Sync Polarity independent

2.3.1.2 Sync On green, Composite Sync

2.3.2 TMDS digital Signals

2.3.2.1 Video type

DVI 1.0 compliant

2.3.3 Audio spec.

2.3.3.1 Line input connection

3.5 mm stereo jack x 1

2.3.3.2 Line input signal & impedance

1.3Vrms, 10 kOhm

2.3.3.3 OUTPUT SIGNAL AT SPEAKER TERMINAL

3W @ < 5% DISTORTION

2.3.3.4 Frequency Response

400 Hz – 20 KHz

2.3.3.5 Connector PC99 requirement Audio in

Lime Green pantone # 577C

2.3.3.6 Cable length

1.8 m

2.3.3.7 Audio DPMS

Speakers stay on when the rest of the monitor is in power saving.

2.3.3.8 Speakers

Impedance 4 Ohm

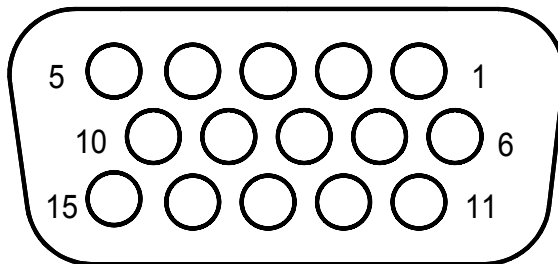
Output Wattage 3.0W (max.) x 2

2.3.4 Input Signal Connectors

2.3.4.1 Analog RGB Video Input: 15 pin mini D-sub

PIN NO.	Separate Sync
1	RED
2	GREEN

3	BLUE
4	GROUND
5	GROUND
6	GROUND
7	GROUND
8	GROUND
9	+5V
10	GROUND
11	N.C
12	SDA
13	H.SYNC
14	V.SYNC
15	SCL



2.3.4.2 Digital TMDS DVI-D Connector

24 pin DVI-D connector pin assignment

Pin No.	Signal Name	Description
1	RX2-	TMDS negative differential input, channel 2
2	RX2+	TMDS positive differential input, channel 2
3	GND	Logic Ground
4	Reserved 4	Reserved. No connection
5	Reserved 5	Reserved. No connection
6	DDC-CLK	DDC2B Clock
7	DDC-DAT	DDC2B Data

8	Reserved 8	Reserved. No connection
9	RX1-	TMDS negative differential input, channel 1
10	RX1+	TMDS positive differential input, channel 1
11	GND	Logic Ground
12	Reserved 12	Reserved. No connection
13	Reserved 13	Reserved. No connection
14	VCCX	Power
15	GND	Logic Ground
16	SENS	SENSE Pin, Pull High
17	RX0-	TMDS negative differential input, channel 0
18	RX0+	TMDS positive differential input, channel 0
19	GND	Logic Ground
20	Reserved 20	Reserved. No connection
21	Reserved 21	Reserved. No connection
22	GND	Logic Ground
23	RXC+	TMDS positive differential input, reference clock
24	RXC-	TMDS negative differential input, reference clock

2.3.4.3 Audio Connector

2.5 mm Stereo jack x 1,

3.5mm Microphone jack x 1

2.3.5 Signal Timing

2.3.5.1 User Timing Mode memory

Always do auto image adjust after timing mode change

2.3.5.2 Timing mode Change

Maximum time for mode Change with auto image adjust 7 sec.

2.3.5.3 Signal Timing Table

The factory test input video signal is defined as the following table:

Preset No.	H.svnc Frequency	V.svnc Frequency	SYNC POL.		Video Mode	Description
			H-SYNC	V-SYNC		
MOD [1]	31.468 ±1.0KHz	70.0 ±1.0Hz	+	-	640X350(70)	Text mode
MOD [2]	31.468 ±1.0KHz	70.0 ±1.0Hz	-	+	720X400(70)	Dos text
MOD [3]	31.468 ±1.0KHz	59.94 ±1.0Hz	-	-	640X480(60)	VESA STANDARD
MOD [4]	35.01 ±1.0KHz	66.67 ±1.0Hz	-	-	640X480(66)	MAC
MOD [5]	37.86 ±1.0KHz	72.81 ±1.0Hz	-	-	640X480(72)	VESA STANDARD
MOD [6]	37.5 ±1.0KHz	75.0 ±1.0Hz	-	-	640X480(75)	VESA STANDARD
MOD [7]	43.27 ±1.0KHz	85.0 ±1.0Hz	-	-	640X480(85)	VESA STANDARD
MOD [8]	35.16 ±1.0KHz	56.25 ±1.0Hz	+	+	800X600(56)	VESA STANDARD
MOD [9]	37.88 ±1.0KHz	60.32 ±1.0Hz	+	+	800X600(60)	VESA STANDARD
MOD [10]	48.077 ±1.0KHz	72.19 ±1.0Hz	+	+	800X600(72)	VESA STANDARD
MOD [11]	46.875 ±1.0KHz	75.0 ±1.0Hz	+	+	800X600(75)	VESA STANDARD
MOD [12]	53.67 ±1.0KHz	85.0 ±1.0Hz	+	+	800X600(85)	VESA STANDARD
MOD [13]	49.72 ±1.0KHz	74.5 ±1.0Hz	-	-	832X624(75)	MAC
MOD [14]	48.363 ±1.0KHz	60.0 ±1.0Hz	-	-	1024X768(60)	VESA STANDARD
MOD [15]	58.01 ±1.0KHz	72.08 ±1.0Hz	-	-	1024X768(72)	VESA STANDARD
MOD [16]	60.023 ±1.0KHz	75.0 ±1.0Hz	+	+	1024X768(75)	VESA STANDARD
MOD [17]	68.67 ±1.0KHz	85.0 ±1.0Hz	+	+	1024X768(85)	VESA STANDARD
MOD [20]	63.981 ±1.0KHz	60.02 ±1.0Hz	+	+	1280X1024(60)	VESA STANDARD
MOD [21]	79.976 ±1.0KHz	75.0 ±1.0Hz	+	+	1280X1024(75)	VESA STANDARD

2.4 Luminance Control

Analog signal (6500K)

Over 200 cd / m² (@ Cont / Bright max)

Digital signal (6500K)

Over 200 cd / m² (@ Cont / Bright max)

2.5. Synchronization

Horizontal: 30 to 83 kHz

Vertical: 50 to 75 Hz Non-interlaced

maximum 75Hz @ 1280 x 1024 mode

Recommended 60Hz @ 1280 x 1024 mode

2.6 Display Characteristics

2.6.1 Picture Size

Horizontal Width	337.92 mm (typical)
Vertical Width	270.34 mm (typical)

2.6.2 Optical Characteristics

General qualities: The following data was measured by BM7 of TOPCON

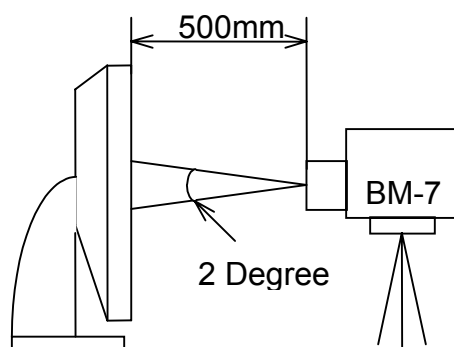
Data are panel optical data, for analog signal there are +- 5% tolerance.

Item	Code	Conditions	Min.	Typ.	Max.	Unit
Contrast	CR	White/Black at Image Center	350	(500)	—	—
White Brightness	L VMAX	FULL White	200	250	—	cd / m ²
Uniformity of Brightness		$\frac{Bmin}{Bmax}$	70	80	—	%
Response At 25 degree	Tpd	All White → All Black All Black → All White	—	10 15	—	ms ms
Viewing Angle	Right	ΘR	—	85	—	Degree
	Left	ΘL		85	—	Degree
	Up	ΦH		85	—	Degree
	Down	ΦL		85	—	Degree
Luminance control		All White(digital signal or analog 6500k) Brightness at center of display surface	≥200 (cont / bright backlight max)			Cd / m ²

These characteristics were measured under the following conditions:

Temperature: 77 ± 6°F, 25 ± 5°C

Viewing angle: AU = 0°, AR = 0°
 Warm Up time: minimum 30 minutes
 Measuring instrument: TOPCOM BM-7 Luminance Meter
 Measuring distance: 500 mm
 Measuring angle: 2°

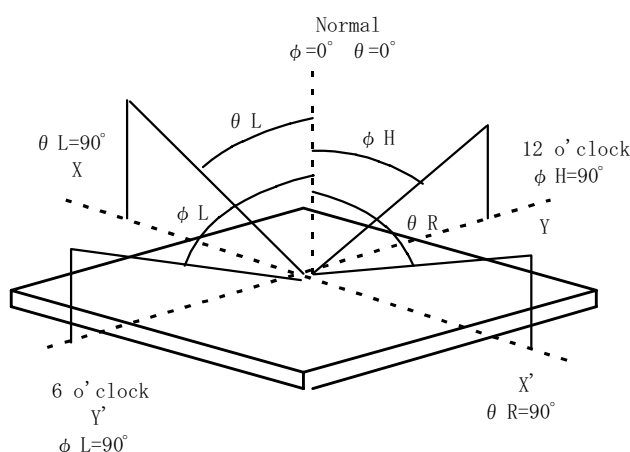


Notes:

(Note 1) Contrast ratio is defined as the following formula.

$$\text{Contrast ratio} = \frac{\text{Brightness(Luminance) with all pixels at "white"}}{\text{Brightness with all pixels at "black"}}$$

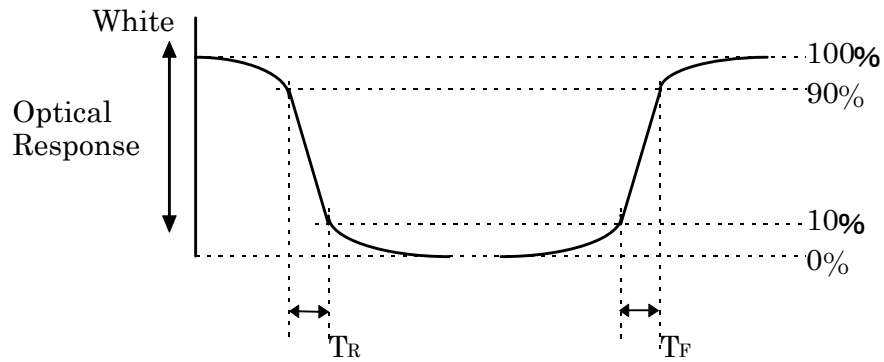
(Note 2) Viewing angle is measured as follows:



(Note 3) Definition of response time is as follows:

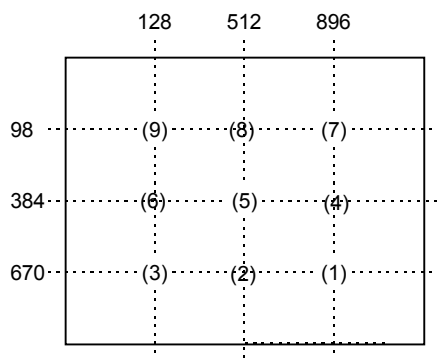
Response time is measured when the display data is changed from white to black.

White(TFT OFF)	Black(TFT ON)	White(TFT OFF)
----------------	---------------	----------------



(Note 4) Judge points for brightness uniformity.

Brightness uniformity is judged at nine (9) points on display area:



$$BUNI = \frac{Bmin}{Bmax}$$

Bmax : Maximum Brightness

Bmin : Minimum Brightness

2.6.3. LCD Panel

Mechanical

Active Area (mm)	337.92 x 270.34
Pixel pitch (mm)	0.264 (0.088x3)
Mass typical (g)	2200
Panel dimensions (WxDxH) mm	383.5x306x20 mm(typ)
Resolution	1280 x 1024
Surface Treatment with Haze value	Anti-glare, 3H
Panel Model number	M170E4-L02 (17" TFT)
Panel Interfaces	Dual LVDS

Optical performance

Contrast ratio	(500):1 Typical 350 :1 Minimum
Luminance of white(center)	250 nits Typical 200 nits Minimum
White Uniformity	75% (5 points measurement)
Chromaticity values (red, green, blue) center	'x = +/- 0.030 'y = +/- 0.030
Color temperature	'x = 0.310 +/- 0.030 'y = 0.330 +/- 0.030
EBU	85% Min
Colors	True 8 bits (16.7M)
Viewing Angle H, V (CR >10)	H=170 deg, V=170 deg
Film	Used wide viewing film
Response time ms	Typical Tr = 15ms ; Tf = 10ms Maximum Tr = 30ms; Tf = 25ms
Number of Back Light(CCFL)	4 – Edge type back light
Backlight (hrs)	40,000 hours minimum; 50,000 hours typical

2.7 Power Management

Unit will enter power saving mode under the following conditions:

Power Management condition and status

State	Signals			Power Supply	Video Circuit	LCD	LED
	Horizontal	Vertical	Video				
On	Pulses	Pulses	Active	On	On	On	Green
Stand-by	No Pulses	Pulses	Blanking		Off	Off	Amber
Suspend	Pulses	No Pulses					
Off	No Pulses	No Pulses					
Complete	N/A	N/A	N/A	Off			

2.8 FullScan Capability

When the input display mode is not 1280x1024, the image area is changed as follows:

Flex Scan Mode	Input display		Expanded Rate		Expanded Resolution
	Mode	Resolution	Horizontal	Vertical	
Expansion 1		640x350	2	2.93	1280x1024
Expansion 2		640x400	2	2.56	1280x1024
Expansion 3		640x480	2	2.13	1280x1024
Expansion 4		720x400	1.78	2.56	1280x1024
Expansion 5		800x600	1.6	1.71	1280x1024
Expansion 6		832x624	1.54	1.64	1280x1024
Expansion 7		1024x768	1.25	1.33	1280x1024
Expansion 8		1152x864	1.11	1.19	1280x1024
Standard		1280x1024	1	1	1280x1024

3. Mechanical Characteristics

3.1 Dimensions

Net: 410 (W) x 432 (H) x 181 (D) mm

Gross: 486 (W) x 525 (H) x 275 (D) mm

3.2 Weight

Net: 6.0Kg

Gross: 8.7 Kg

3.3 Base Rotation

Tilt: up 20 ° / down 5 °

3.4 Labeling

3.4.1 ID Label (Paste on Rear Cover)

Material: Polyester's

Color: Black (same as plastic color) / White (Letter)

Size: 50 (W) X 25 (H) mm

Location: Rear Back Label

Contents: Appendix III

3.4.2 Bar Code Number Label (Carton Box)

Material: Art Paper

Color: White (Base) / Black (Letter)

Size: 76 (W) X 76 (H) mm

Location: Carton Box (Side Wall)

Contents: Appendix III

3.4.3 Serial Number Label (Rear Back Label)

Material: Art Paper

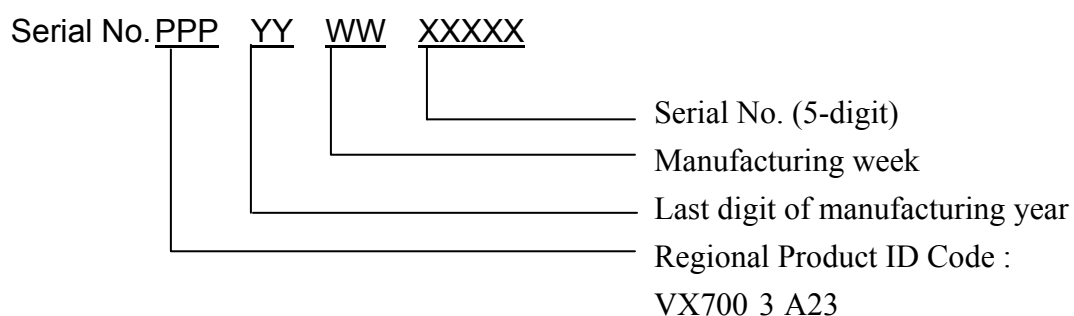
Color: White (Base) / Black (Letter)

Size: 25 (W) X 50 (H) mm

Location: Paste on Rear Back Label

Contents: Appendix III

3.5 Serial Number Format



3.6 UPC Coding (Code 39 format)

Worldwide Model UPC Code: 766907 80253 5

4. Packaging

4.1 Carton Box

Dimensions: 486mm (W) x 525mm (H) x 275mm (D)

Color: 4-Color printing box

Material: BC-FLUTE or Equivalent, double wall

5. Environmental Characteristics

5.1 Operating Conditions

Temperature: 0 through + 40° C

Humidity: 8% To 80% (39 degree welt bulb)

Altitude: 0 – 3,000 Meter

5.2 Non-operating Conditions

Temperature: -20 through +60 ° C

Humidity: 5% To 95% (39 degree welt bulb)

Altitude: 0 – 12,000 meter

6. Factory setting

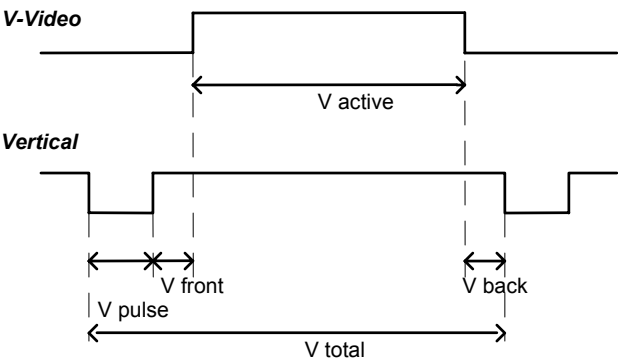
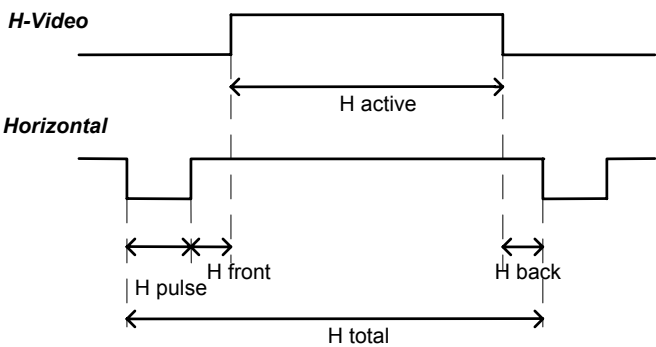
6.1 OSD

Brightness	100%(based on 0-100%)
Contrast	80 %(based on 0-100%)
AutoTune	Executed
Color Temperature	6500k
Volume	50%
Balance	50%
Bass/Treble	50%
OSD Timeout	15 Sec
Language	English
OSD position	Center

6.2 Power Switch

OFF

Appendix I Preset Signal Timings



Analog timing mode table

		1	2	3	4	5	6	7
Signal name	symbol	TEXT mode	TEXT mode	VGA	MAC-II	VESA-VGA	VESA-VGA	VESA-VGA
H-frequency (kHz)		31.468	31.469	31.468	35.001	37.5	37.862	43.269
V-frequency (Hz)		70.087	70.087	59.941	66.667	75	72.807	85.005
Pixel rate (MHz)		25.175	28.322	25.175	30.240	31.5	31.501	36.000
H-sync	Ths	96	108	96	64	64	40	56
H-back porch	Thb	48	54	48	96	120	128	80
Count num (H-total)	Thd	800	900	800	864	840	832	832
H- front porch	Thf	16	18	16	64	16	24	56
V-sync	Tvs	2	2	2	3	3	3	3
V-back porch	Tvb	60	35	33	39	16	28	25
Count num (V-total)	Tvd	449	449	525	525	500	520	509
V-front porch	Tvf	37	12	10	3	1	9	1
H-sync. Polarity		Positive	Negative	Negative	Negative	Negative	Negative	Negative
V-sync Polarity		Negative	Positive	Negative	Negative	Negative	Negative	Negative
H-resolution (dots)		640	720	640	640	640	640	640
V-resolution (lines)		350	400	480	480	480	480	480

		8	9	10	11	12	13	14
Signal name	Symbol	IBM-8514A	SVGA	SVGA	SVGA	SVGA	MAC 16"	XGA
H-frequency (kHz)		35.156	37.879	48.077	46.875	53.674	49.725	48.363
V-frequency (Hz)		56.250	60.317	72.188	75.000	85.061	74.5	60.004
Pixel rate (MHz)		36.000	40.000	50.000	49.500	56.250	57.283	65.000
H-sync	Ths	72	128	120	80	64	64	136
H-back porch	Thb	128	88	64	160	152	224	160

Count num (H-total)	Thd	1024	1056	1040	1056	1048	1152	1344
H- front porch	Thf	24	40	56	16	32	32	24
V-sync	Tvs	2	4	6	3	3	3	6
V-back porch	Tvb	22	23	23	21	27	39	29
Count num (V-total)	Tvd	625	628	666	625	631	667	806
V-front porch	Tvf	1	1	37	1	1	1	3
H-sync. Polarity		Negative	Positive	Positive	Positive	Positive	Negative	Negative
V-sync Polarity		Negative	Positive	Positive	Positive	Positive	Negative	Negative
H-resolution (dots)		800	800	800	800	800	832	1024
V-resolution (lines)		600	600	600	600	600	624	768

		15	16	17	18	19	20	21
Signal name	Symb ol	XGA	XGA	XGA	XGA	SXGA	720P	SXGA
H-frequency (kHz)		56.476	58.099	60.023	68.677	63.981	79.976	45.000
V-frequency (Hz)		70.069	72.082	75.029	84.997	60.02	75.025	60.00
Pixel rate (MHz)		75.000	78.084	78.750	94.500	108	135	74.250
H-sync	Ths	136	136	96	96	112	40	144
H-back porch	Thb	144	160	176	208	248	270	248
Count num (H-total)	Thd	1328	1344	1312	1376	1688	1658	1688
H- front porch	Thf	24	24	16	48	48	60	16
V-sync	Tvs	6	6	3	3	3	5	3
V-back porch	Tvb	29	29	28	36	38	20	38
Count num (V-total)	Tvd	806	806	800	808	1066	750	1066
V-front porch	Tvf	3	3	1	1	1	5	1

H-sync. Polarity	Negative	Negative	Positive	Positive	Positive	Positive	Negative
V-sync Polarity	Negative	Negative	Positive	Positive	Positive	Positive	Negative
H-resolution (dots)	1024	1024	1024	1024	1280	1280	1280
V-resolution (lines)	768	768	768	768	1024	1024	720

Digital timing mode table

		1	2	3	4	5	6	7
Signal name	symbol	TEXT mode	TEXT mode	VGA	VGA	VESA-VGA	VESA-VGA	VESA-VGA
H-frequency (kHz)		31.468	31.469	31.468	31.468	37.5	37.862	43.269
V-frequency (Hz)		70.087	70.087	60.000	59.941	75	72.807	85.005
Pixel rate (MHz)		25.175	28.322	25.175	25.175	31.5	31.501	36.000
H-sync	Ths	96	108	96	96	64	40	56
H-back porch	Thb	48	54	48	48	120	128	80
Count num (H-total)	Thd	800	900	800	800	840	832	832
H- front porch	Thf	16	18	16	16	16	24	56
V-sync	Tvs	2	2	2	2	3	3	3
V-back porch	Tvb	60	35	35	33	16	28	25
Count num (V-total)	Tvd	449	449	449	525	500	520	509
V-front porch	Tvf	37	12	10	6	1	9	1
H-sync. Polarity		Positive	Negative	Negative	Negative	Negative	Negative	Negative
V-sync Polarity		Negative	Positive	Negative	Negative	Negative	Negative	Negative
H-resolution (dots)		640	720	640	640	640	640	640
V-resolution (lines)		350	400	400	480	480	480	480

		8	9	10	11	12	13	14
Signal name	Symb ol	IBM-851 4A	SVGA	SVGA	SVGA	SVGA	XGA	XGA
H-frequency (kHz)		35.156	37.879	48.077	46.875	53.674	48.363	56.476
V-frequency (Hz)		56.250	60.317	72.188	75.000	85.061	60.004	70.069
Pixel rate (MHz)		36.000	40.000	50.000	49.500	56.250	65.000	75.000
H-sync	Ths	72	128	120	80	64	136	136
H-back porch	Thb	128	88	64	160	152	160	144
Count num (H-total)	Thd	1024	1056	1040	1056	1048	1344	1328
H- front porch	Thf	24	40	56	16	32	24	24
V-sync	Tvs	2	4	6	3	3	6	6
V-back porch	Tvb	22	23	23	21	27	29	29
Count num (V-total)	Tvd	625	628	666	625	631	806	806
V-front porch	Tvf	1	1	37	1	1	3	3
H-sync. Polarity		Negative	Positive	Positive	Positive	Positive	Negative	Negative
V-sync Polarity		Negative	Positive	Positive	Positive	Positive	Negative	Negative
H-resolution (dots)		800	800	800	800	800	1024	1024
V-resolution (lines)		600	600	600	600	600	768	768

		15	16	17	18	19
Signal name	Symb ol	XGA	XGA	XGA	SXGA	HD-720P
H-frequency (kHz)		58.099	60.023	68.677	63.981	45.000
V-frequency (Hz)		72.082	75.029	84.997	60.02	60.00
Pixel rate (MHz)		78.084	78.750	94.500	108	74.250
H-sync	Ths	136	96	96	112	40
H-back porch	Thb	160	176	208	248	270
Count num (H-total)	Thd	1344	1312	1376	1688	1658

H- front porch	Thf	24	16	48	48	60
V-sync	Tvs	6	3	3	3	5
V-back porch	Tvb	29	28	36	38	20
Count num (V-total)	Tvd	806	800	808	1066	750
V-front porch	Tvf	3	1	1	1	5
H-sync. Polarity		Negative	Positive	Positive	Positive	Negative
V-sync Polarity		Negative	Positive	Positive	Positive	Negative
H-resolution (dots)		1024	1024	1024	1280	1280
V-resolution (lines)		768	768	768	1024	720

Appendix II EDID Code

Analog

128 BYTES OF EDID CODE:

	0	1	2	3	4	5	6	7	8	9
0	00	FF	FF	FF	FF	FF	FF	00	5A	63
10	11	8F	01	01	01	01	01	0C	01	03
20	0E	22	1B	78	2A	47	06	A5	5C	47
30	9C	25	1E	4F	54	BF	EF	00	81	80
40	01	01	01	01	01	01	01	01	01	01
50	01	01	01	01	30	2A	00	98	51	00
60	2A	40	30	70	13	00	52	0E	11	00
70	00	1E	00	00	00	FF	00	41	32	33
80	30	32	30	31	30	30	30	30	31	0A
90	00	00	00	FD	00	32	4B	1E	53	0E
100	00	0A	20	20	20	20	20	20	00	00
110	00	FC	00	56	58	37	30	30	2D	33
120	0A	20	20	20	20	20	00	73		

Digital

128 BYTES OF EDID CODE:

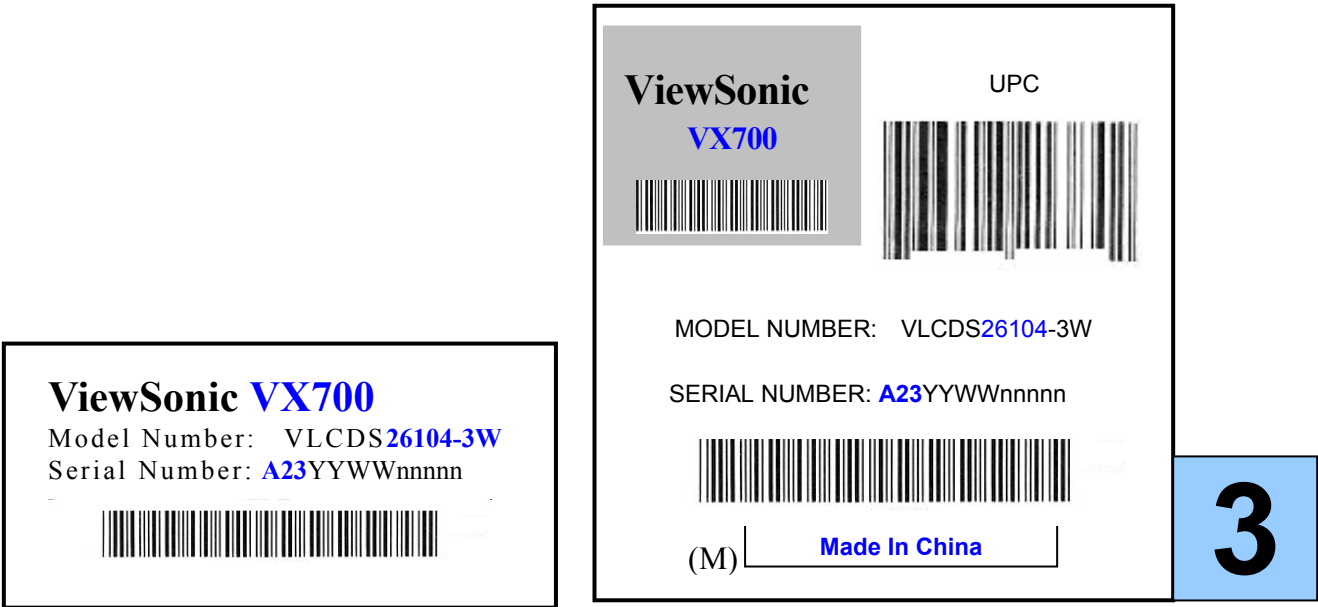
	0	1	2	3	4	5	6	7	8	9
0	00	FF	FF	FF	FF	FF	FF	00	5A	63
10	11	8F	01	01	01	01	01	0C	01	03
20	80	22	1B	78	2A	47	06	A5	5C	47
30	9C	25	1E	4F	54	BF	EF	00	81	80
40	31	0A	01	01	01	01	01	01	01	01
50	01	01	01	01	30	2A	00	98	51	00
60	2A	40	30	70	13	00	52	0E	11	00
70	00	1E	00	00	00	FF	00	41	32	33
80	30	32	30	31	30	30	30	30	31	0A
90	00	00	00	FD	00	32	4B	1E	53	0E
100	00	0A	20	20	20	20	20	20	00	00
110	00	FC	00	56	58	37	30	30	2D	33
120	0A	20	20	20	20	20	00	C8		

Appendix III Label Printing

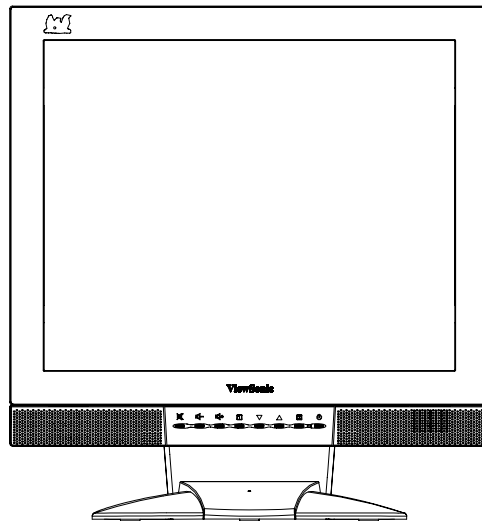
ID LABEL



Bar Code label/Serial No Label



2. Front Panel Function Control Description



1. User control functions

Control buttons:



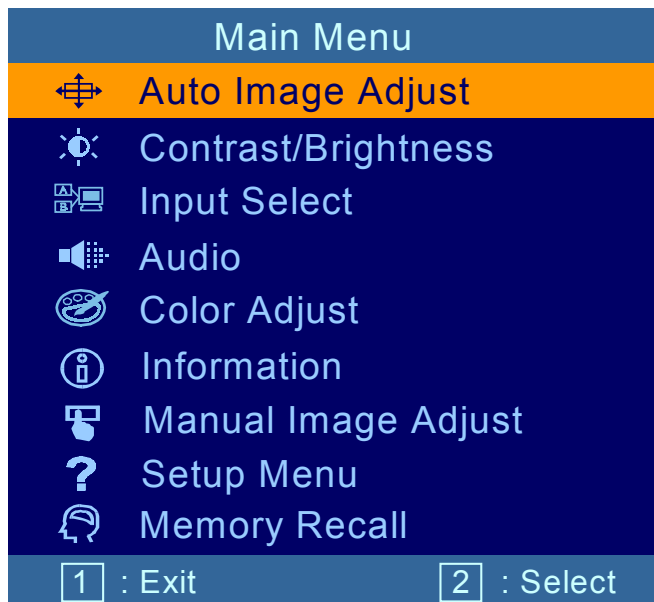
1. Press power button to power on LCD monitor. Led on the power button will turn Green.
2. Press '2' button while no OSD will toggle the digital input port and analog input port to display.
3. Press "up" and "down" button simultaneously will reset the contrast and brightness to default.
4. Press '1' button will enter OSD main menu.
5. Press "volume plus", "volume minus" can directly adjust the audio volume.
6. Press "mute" button can directly mute on or off the audio volume.

2. OSD operation flow

The following steps show how to access the **Main Menu**, **Submenus**, and controls within each **Submenu**. Details on the controls follow the steps listed below.

Note: Any OSD setting will only save after user totally exit OSD menu.

- 1 Press the [1] button to display the Main Menu shown below.
- 2 Press the [▼] or [▲] button to scroll to the desired menu option.
- 3 Press the [2] button to select the menu option.
- 4 Press the [▼] or [▲] button to select submenu option.
- 5 After making adjustments, press the [1] button exit the screen, must exit the OSD to save the settings.

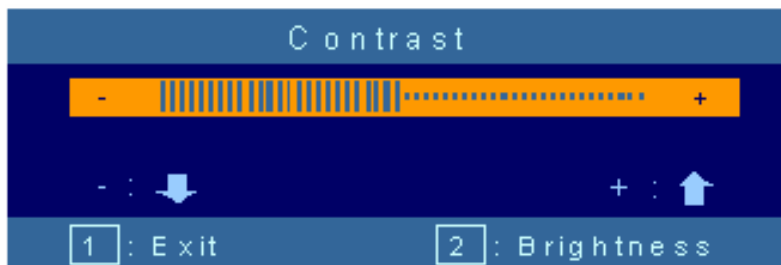


Auto Image Adjust automatically sizes, centers, and fine tunes the video signal to eliminate waviness and distortion. Press the [2] button to confirm to do auto adjust.

NOTE: Auto Image Adjust works with most common video card. If using the function does not work on your ViewPanel®, Lower the video refresh rate to 60 Hz and try again. (See computer or graphic card user guide to adjust refresh rate.) The panel may be manually tuned using the horizontal and vertical phase controls shown below.

Contrast adjusts foreground white level of screen image.

[▲] increase contrast, [▼] decrease contrast.



Shortcut: Before displaying the OnView menu, press the [▼] or [▲] button to adjust. Press button [2] to toggle between brightness and contrast.

Brightness adjusts backlight brightness level of screen image.

[▲] increase brightness, [▼] decrease brightness.

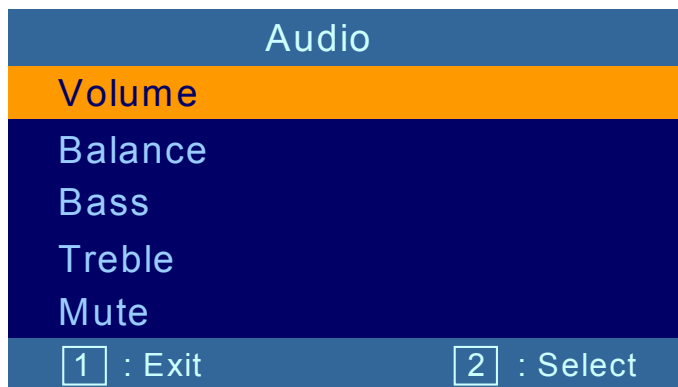


Input Select press [▼] or [▲] button to select Input Source.

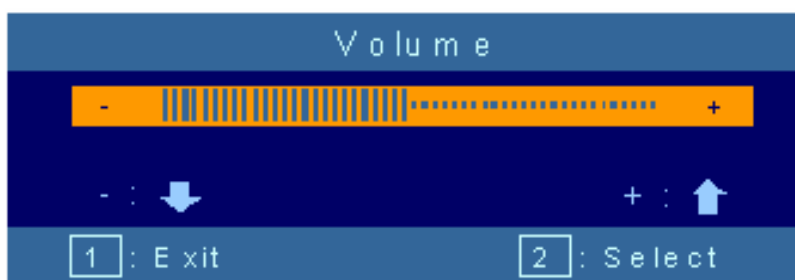


Audio press [▼] or [▲] button to scroll desired menu option.

Press [2] button to select submenu option.

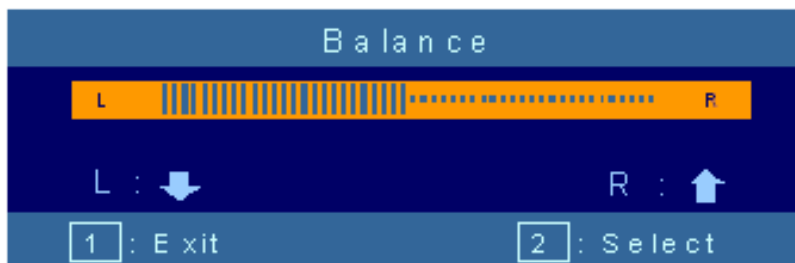


Volume increase the volume, decreases the volume,



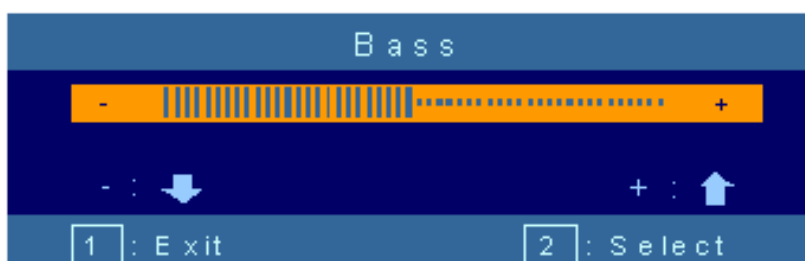
Balance adjusts the proportion of sound coming from each speaker.

[▼] directs more of the sound to the left speaker; [▲] directs more of the sound to the right speaker.

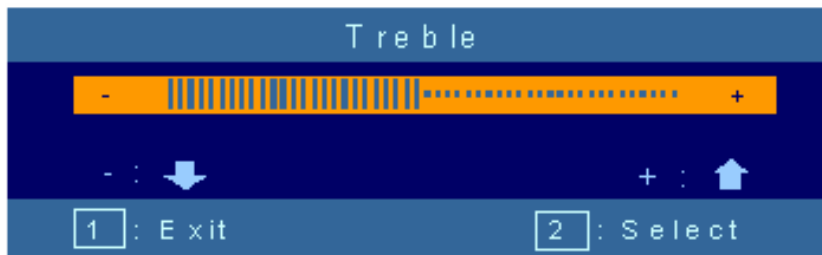


Bass/Treble adjusts the high (treble) and low (bass) frequency audio output
Press [2] button to select bass adjustment.

Bass press [▼] or [▲] to adjust bass.



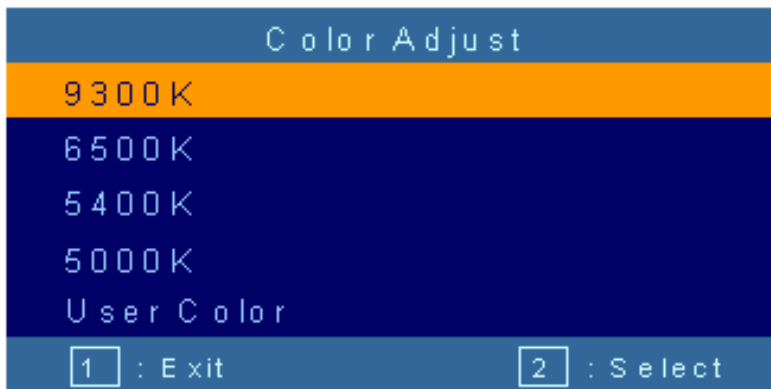
Treble press [▼] or [▲] to adjust treble.



Mute



Color Adjust



Color Adjust provides four preset color adjustment: 9300K, 6500K, 5400K, 5000K for improved brightness and color saturation. Press button [2] to select the preset color. Press button [▼] or [▲] to fine tune the color response.

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

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

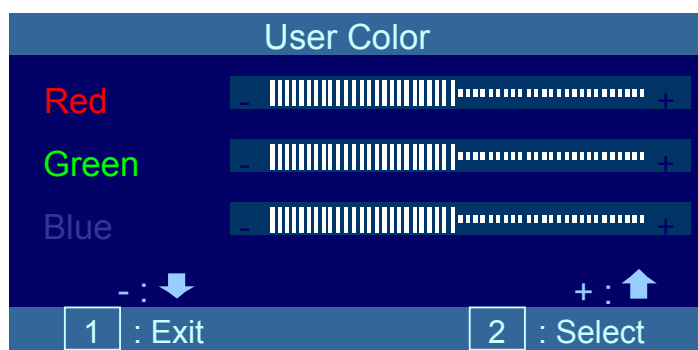
5400K—Adds green to screen image for a darker color.

5000K—Adds blue and green to screen image for a darker color.

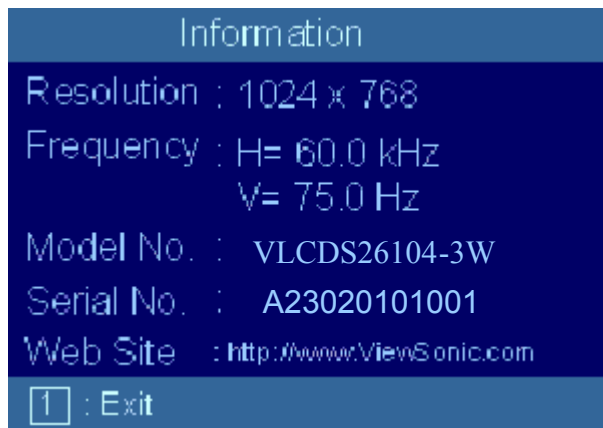
User color—Individual adjustments for red (R), green (G), blue(B).

1 To adjust selected color, press [▼] or [▲].

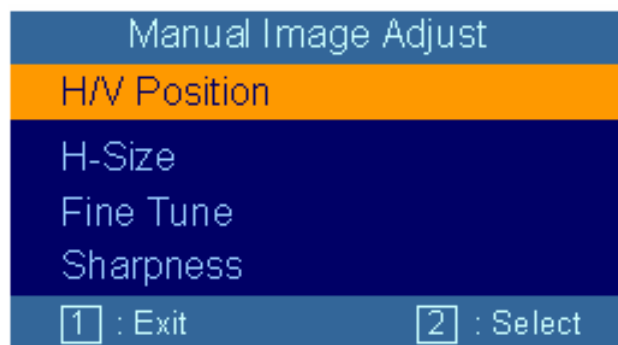
2 Press button [2] to set adjustment and select next color to adjust.



Information



Manual Image Adjust

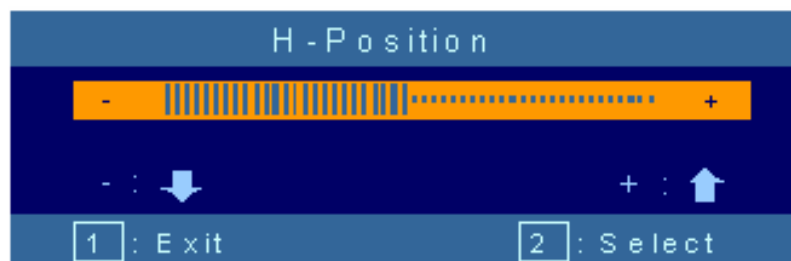


H/V Position Press the [2] button to select H-Position or V-Position.

H-Position moves screen image left or right.

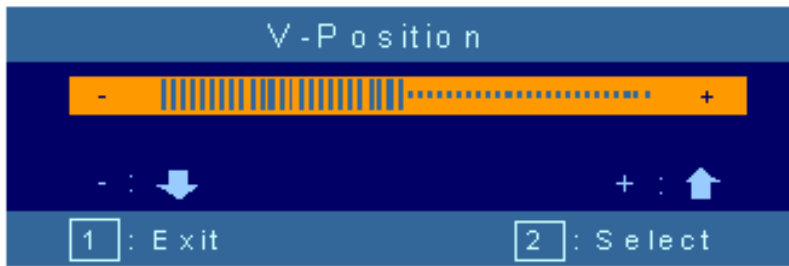
[▼] move screen image to *left*, [▲] moves screen image to *right*.

Press the [2] button to toggle between H. and V. Position.

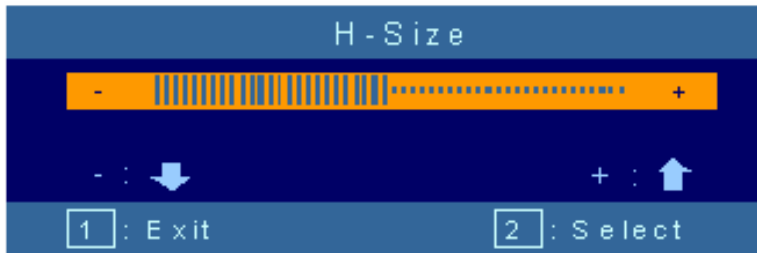


V-Position moves screen image up or down.

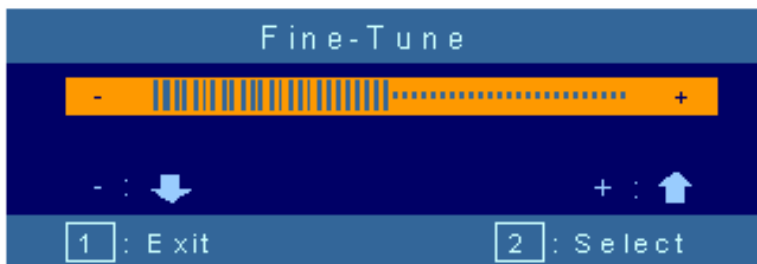
[▼] move screen image *down*, [▲] moves screen image *up*.



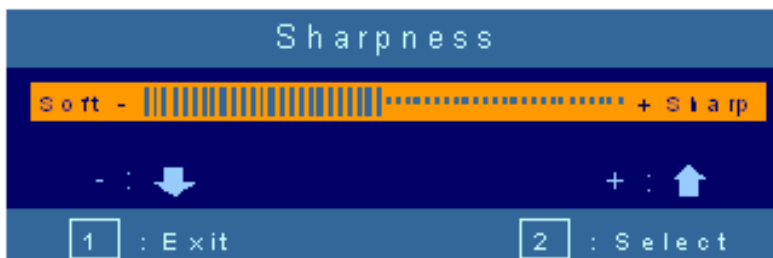
H-Size adjusts the width of screen image. [▼] decreases Width of screen image, [▲] increases width of image.



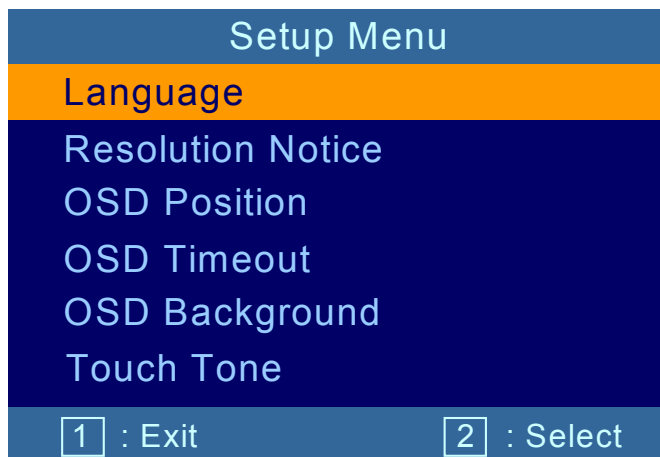
Fine-Tune



Sharpness adjusts the clarity of a non-SXGA (1280 x 1024) RGB signal Press [▼] Or [▲] to adjust.



Setup Menu



Language Select allows the user to choose from available languages.

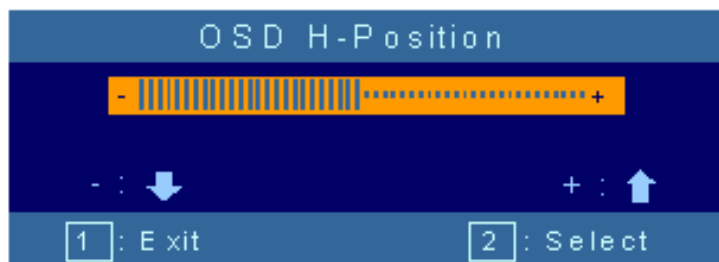


Resolution Notice press the [▼] or [▲] button to select the Enable or Disable the Resolution Notice.

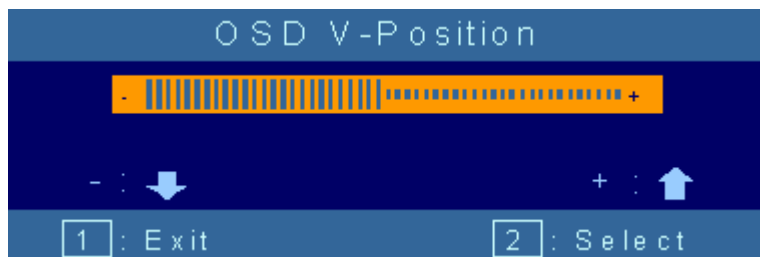


OSD Position press the [2] button to select the OSD H-Position or OSD V-Position.

OSD H-Position [▼] moves OSD left; [▲] moves the OSD right.



OSD V-Position [▼] moves OSD down; [▲] moves the OSD up.



OSD Timeout sets the length of time the OnScreen Display screen is displayed before exiting.



OSD Background



Memory Recall

Returns the adjustments back to factory settings (only if the LCD Display is operating in a factory preset mode).

Press the [2] button to select the Memory Recall menu option.

Note:

OSD Controls

Auto Image Adjust*, Contrast/Brightness, Input Select, Color Adjust [9300K, 6500K(default), 5400, 5000, R, G, B], Information [Mode, Model Number, Serial Number], Manual Image Adjust [H. Size*, H. Position*, V. Position*, Fine Tune*, Sharpness], Setup Menu [Language, Resolution Notice, OSD Position, OSD Timeout, OSD Background], Memory Recall

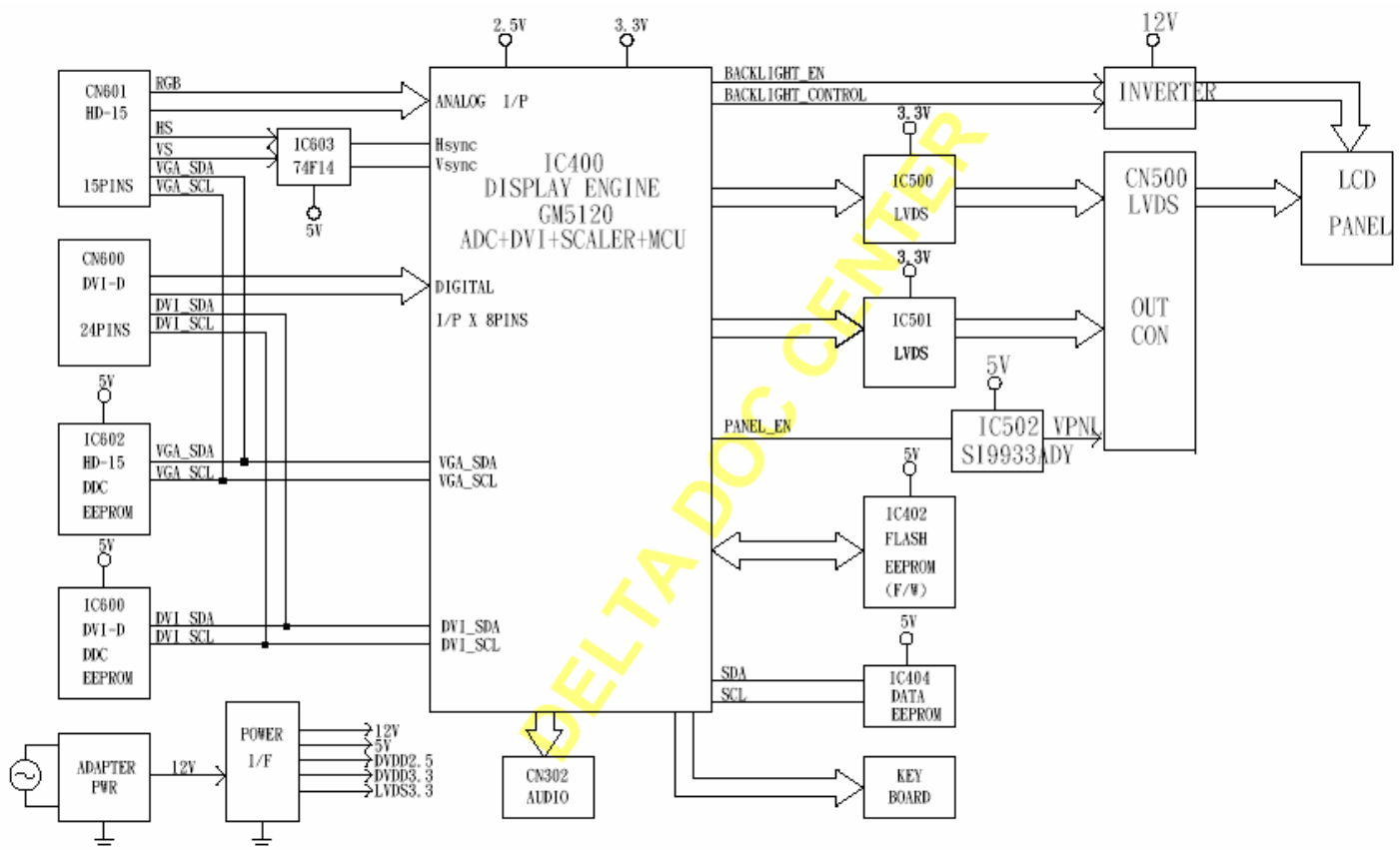
*** These functions are not available in Digital Mode.**

Memory Recall is to recall the following functions to factory setting: Contrast, Brightness, H Size, H/V Position, Color Temperature @ 6500K, OSD Position, Sharpness, & OSD Timeout.

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

3. Circuit Description

Function Block



1. Interface Board

1.1 Power Supply (DC/DC Converter)

IC100 is a linear regulator that converts a 12V DC input voltage into regulated and stable output voltages of 5V respectively.

1.2 Micro-Controller

IC400 (scaler) built-in a micro-controller and extra a flash ROM (IC402---39SF010). It plays a major role in the digital control of the LCD monitor. IC400 acts as a Key control, DPMS power saving control, auto-detect controller, and controller of IC400 to do image process.

Pin 114 controls Inverter enable or disable

Pin 113 enable vcc for panel

Pin 125 send a HI signal when audio is invalid

send a LOW signal when audio is valid

pin 5 receive HI signal from IC401 pin 3 to reset

pin 1, 4, 39, 43, 46, 47, 125, 206 make key function operate when press key button

(receive LOW signal from key button.)

pin 51, 52 communicate with IC404 (EEPROM) by I²C

pin 48 detect audio in

pin 51, 52 do ISP(in-system program)

Pin 40 controls the brightness of panel

Pin 41, 42 controls LED (orange and green) on /off

Pin 123 control audio board 12V on/off

Pin 126 control IC500, IC501 (LVDS Transmitter) on/off.

1.3. Image Processor

IC400 (gm5120) is an all-in-one image processor for displays with a dual (analog and digital) interface supporting resolutions up to SXGA. It provides integrated ADC/PLL and a DVI compliant TMDS receiver and MCU, a high quality zoom and shrink scaling engine, an on-screen display (OSD) controller, a microprocessor and many other functions in a single device. This high level of integration enables simple, flexible, cost-effective solutions featuring fewer required components.

The gm5120 chip has three ADC's (analog-to-digital converters), one for each color (red, green, and blue) and supports digital separate sync (HSYNC/VSYNC), digital composite sync, and analog composite sync (also known as sync-on-green, or SOG). All sync types are supported without the need for external sync separation / extraction circuits.

The gm5120 features four clock inputs. All additional clocks are internal clocks derived from one or more of these four, using Direct Digital Synthesis (DDS).

TCLK is generated using an external crystal (recommended) or an external clock oscillator.

(1) Input Clock (TCLK). The external connection to the oscillator is via the TCLK and XTAL pads. A 14.3MHz crystal source is recommended, as internal PLL and logic

circuits derive the required clock frequencies from this single source by default. Other crystal frequencies may be used, but require custom bootstrapping and programming. In lieu of using a crystal oscillator, XTAL can be driven by a single-ended TTL/CMOS input clock (e.g. for testing of the IC) – the TCLK pin should be grounded through a 2.7k pulldown resistor to maintain the correct duty cycle for the clock.

- (2) TMDS Differential Input Clock (RC+ and RC-)
- (3) Video Clock (VCLK) input pin
- (4) Host Interface Transfer Clock (HCLK for 6-Wire nibble; SCL for 2-wire serial)

The gm5120 has an Input Format Measurement block (the IFM) providing the capability of measuring the horizontal and vertical timing parameters of the input video source. This information may be used to determine the video format and to detect a change in the input format. It is also capable of detecting the field type of interlaced formats.

The IFM features a host programmable reset; separate from the regular gm5120 soft reset. This reset disables the IFM, reducing power consumption. The IFM is capable of operating while gm5120 is running in power down mode.

Horizontal measurements are measured in terms of the selected IFM_CLK (either T_CLK or R_CLK/4), while vertical measurements are measured in terms of HSYNC pulses.

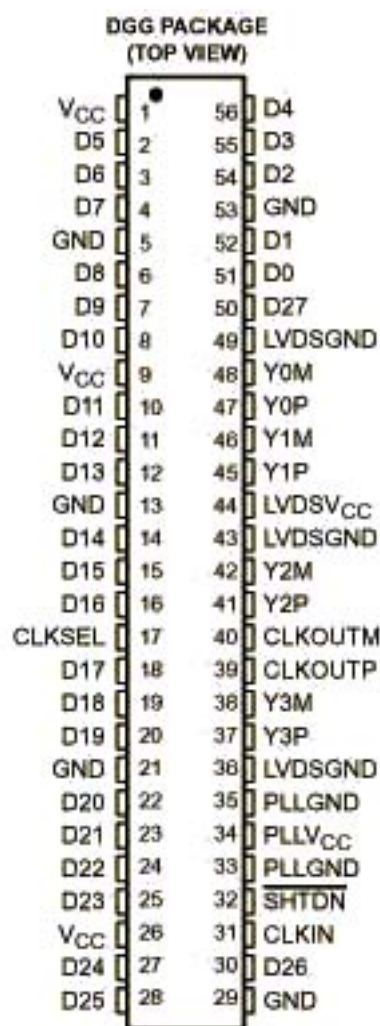
The gm5120 OSD controller supports both character-mapped and bitmapped modes. A user programmable palette of 256 true colors (255 colors, + 1 transparent) is available. In character mapped mode, a maximum of four colors per character are available. In 8-bit bitmapped mode, any pixel can be assigned any one of 256 user-defined true colors. In 4-bit bitmapped mode, any pixel can be assigned any one of 16 user-defined true colors (15 colors plus one transparent).

The gm5120 incorporates an embedded microprocessor, or OCM (On-Chip Microprocessor). This processor is intended to simplify the gm5120 system software implementation by providing embedded macro functions such as OSD menu configurations. It is not intended to replace the system microprocessor.

An arbitration mechanism handles the register access requests from the OCM and the system. micro.

1.4 LVDS Transmitter

IC500, 501 (SN75LVDS83) FlatLink transmitters contains four 7-bit parallel-load serial-out shift registers, a $\square$ clock synthesizer, and five low-voltage differential-signaling (LVDS) line drivers in a single integrated circuit. These functions allow 28 bits of single-ended low-voltage TTL (LVTTTL) data to be synchronously transmitted over five balanced-pair conductors for receipt by a compatible receiver,



When transmitting, data bits D0 through D27 are each loaded into registers upon the edge of the input clock signal (CLKIN). The rising or falling edge of the clock can be selected by way of the clock select (CLKSEL) terminal. The frequency of CLKIN is

multiplied seven times ($\times 7$) and then used to unload the data registers in 7-bit slices and serially. The four serial streams and a phase-locked clock (CLKOUT) are then output to LVDS output drivers. The frequency of CLKOUT is the same as the input clock, CLKIN.

The SN75LVDS83 requires no external components and little or no control. The data bus appears the same at the input to the transmitter and output of the receiver with the data transmission transparent to the user. The only user intervention is the possible use of the shutdown/clear (SHTDN) active-low input to inhibit the clock and shut off the LVDS output drivers for lower power consumption. A low-level signal on SHTDN clears all internal registers to a low level.

1.5 DDC 1/2 B

IC600 (24LC02) & IC602 (24LC21A) can continuously transmit its extended identification, “EDID” using DDC1 communication channel. In addition, the monitor can respond to a request for EDID, or complete VDIIF, to be transmitted using DDC2, level B commands. Pin6 SCL is clock input for DDC 2B, pin5 SDA for data input, and pin7 VCLK is clock input for DDC1.

In DDC1 data transfer (UNI-directional mode), the VCLK input pin is used as an input clock for data transmission and SDA output pin is used as serial data line the SCL pin will hold high. The DDC2B node (BI-directional mode) BUS consists of two wires. SCL is for the data transmission clock and SDA is for the data line.

2. Audio Board

2.1 Audio processor

ICA2 (PT2313L) is a four-channel digital audio processor utilizing CMOS Technology .Volume, Bass, Treble, Balance, Front/Rear Fader Processor are incorporated into a single chip. Loudness function and Selectable input gain are also provided to build a highly effective electronic Audio processor having the highest performance and reliability with the least external components. and all functions are programmable using the IIC BUS

PIN#	PIN NAME	I/O	DESCRIPTION
1	REF	-	Analog reference voltage(1/2 VDD)
2	VDD	-	Supply input voltage
3	Agnd	-	Analog ground
4	Treb_L	I	Left channel input for treble control
5	Treb_R	I	Right channel input for treble control
6	RIN	I	Audio processor right channel input
7	Rout	O	Gain output and input selector for right channel
8	Louder	I	Right channel loudness input
9	Rin 3	I	Right channel input 3
10	Rin 2	I	Right channel input 2
11	Rin 1	I	Right channel input 1
12	Loud_L	I	Left channel loudness input
13	Lin 3	I	Light channel input 3
14	Lin 2	I	Light channel input 2
15	Lin 1	I	Light channel input 1
16	LIN	I	Audio processor left channel input
17	Lout	O	Gain output and input selector for left channel
18	Bin _L	I	Left bass controller input channel
19	Bout _L	O	Left bass controller output channel
20	Bin _R	I	Right bass controller input channel
21	Bout _R	O	Right bass controller output channel
22	RRout	O	Right rear speaker output
23	LRout	O	Left rear speaker output
24	RFout	O	Right front speaker output
25	LFout	O	Left front speaker output
26	Dgnd	-	Digital ground
27	Date	I	IIC Date
28	Clk	I	IIC Clk

ICA1 control & regulate the voltage (12Vto9V) to the ICA2 Volume signal through ICA2 pin24 (right) pin25 (left) into audio amplifier ICA3.

2.2 Audio amplifier:

ICA3 (TDA1517) is an integrated class-B dual output amplifier; it contains two identical amplifier differential input stages. The gain of each amplifier is fixed at 20 dB.

Pins 1 and 9 are right and left channel inputs respectively. Pins 4 and 6 are right and left channel outputs which connect to two 8 OHM speakers. Pin 8 is the mute/stand-by Pin 7 is the voltage input for ICA1

4. Troubleshooting Flow Chart

1. Figure of Waveform

FIG1 12V

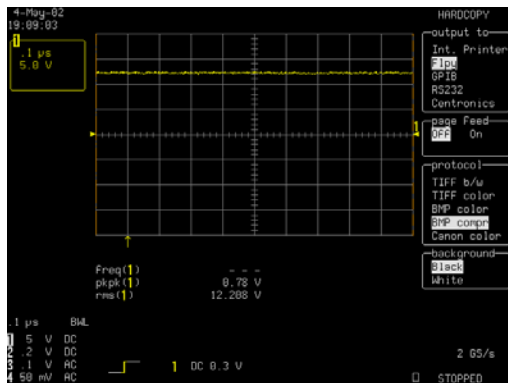


FIG2 5V

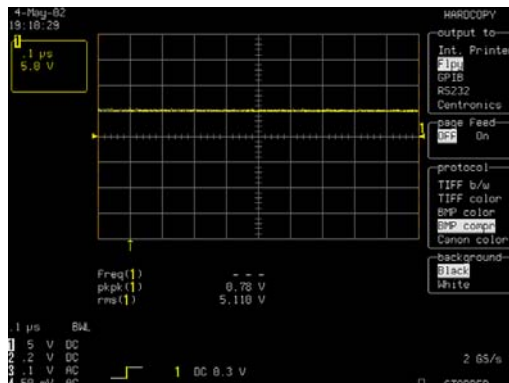


FIG 3. 3.3V

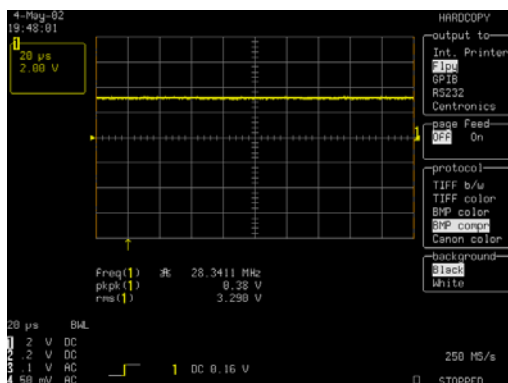


FIG 4. 2.5V

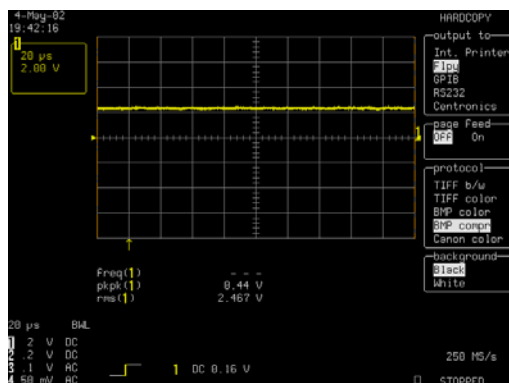


FIG 5. 32 GRAY SIGNAL INPUT

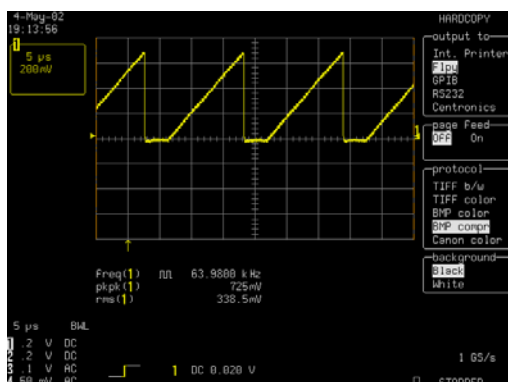


FIG 6. H-SYNC

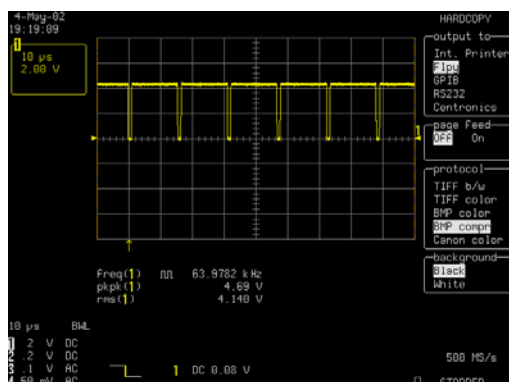


FIG 7. V-SYNC

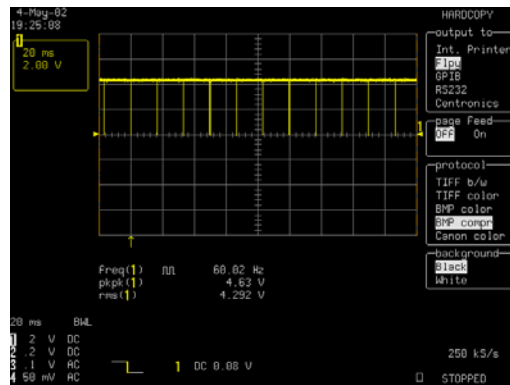


FIG 8. 14.3M CLOCK

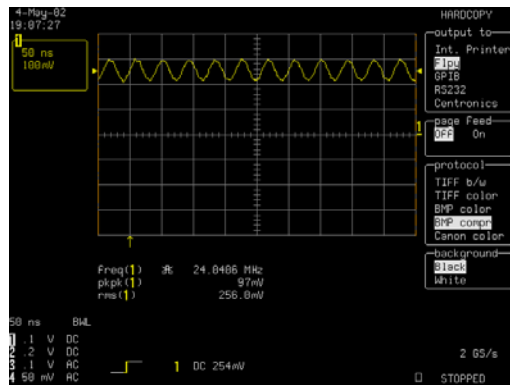


FIG 9. DISPLAY CLOCK

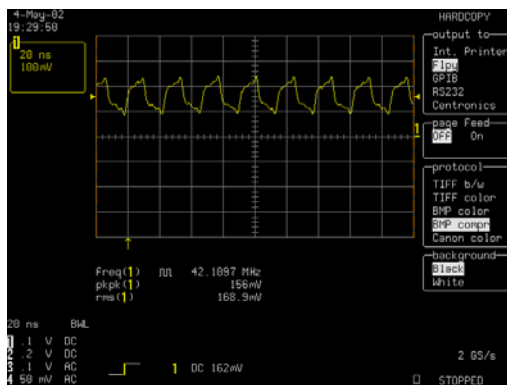


FIG 10. DISPLAY H-SYNC

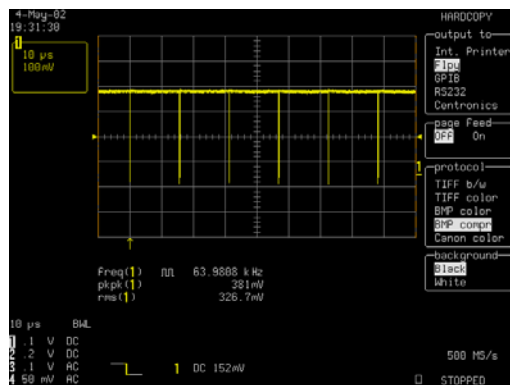


FIG 11. DISPLAY V-SYNC

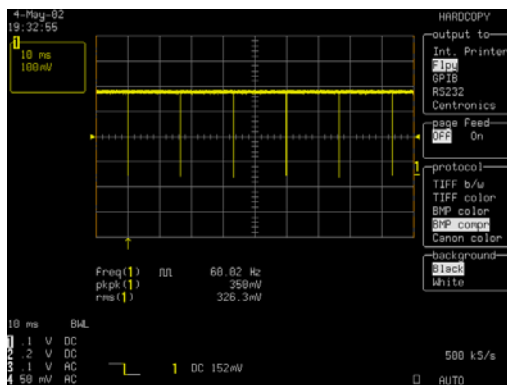


FIG 12. DISPLAY ENABLE

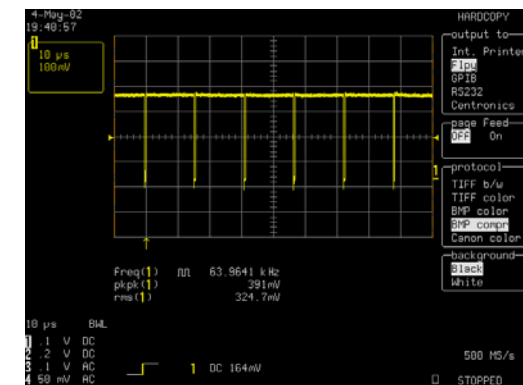


FIG 13. LVDS TX0+

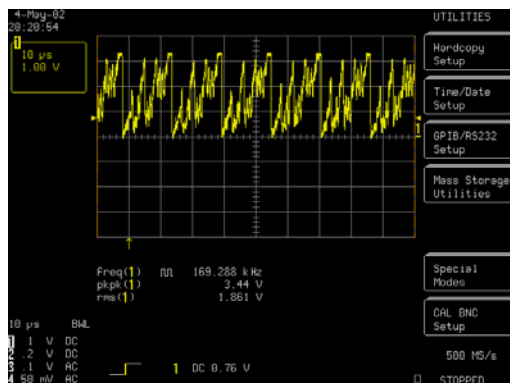


FIG 14. LVDS TX0-

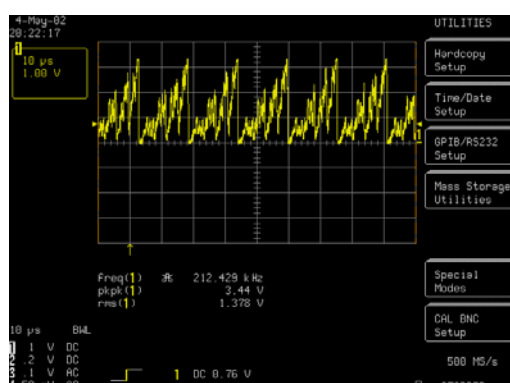


FIG 15. LVDS CLOCK+

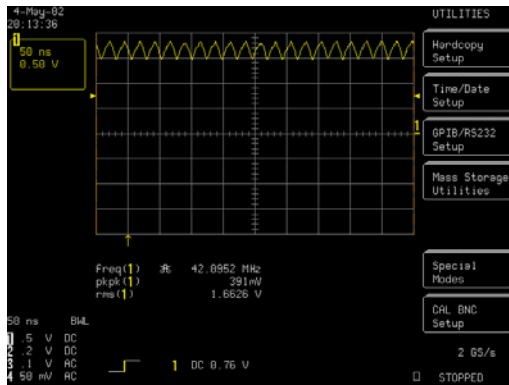


FIG 16. LVDS CLOCK-

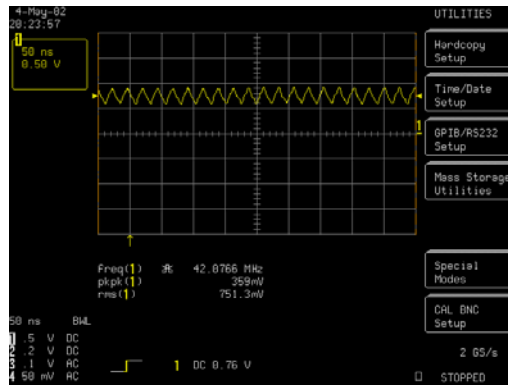


FIG 17. AUDIO SINE SIGNAL IN

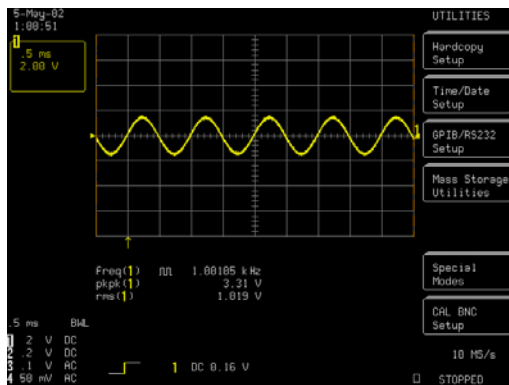
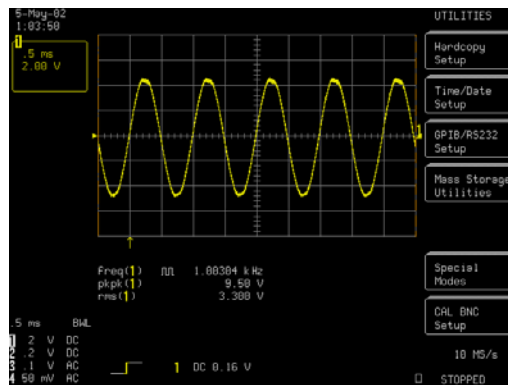
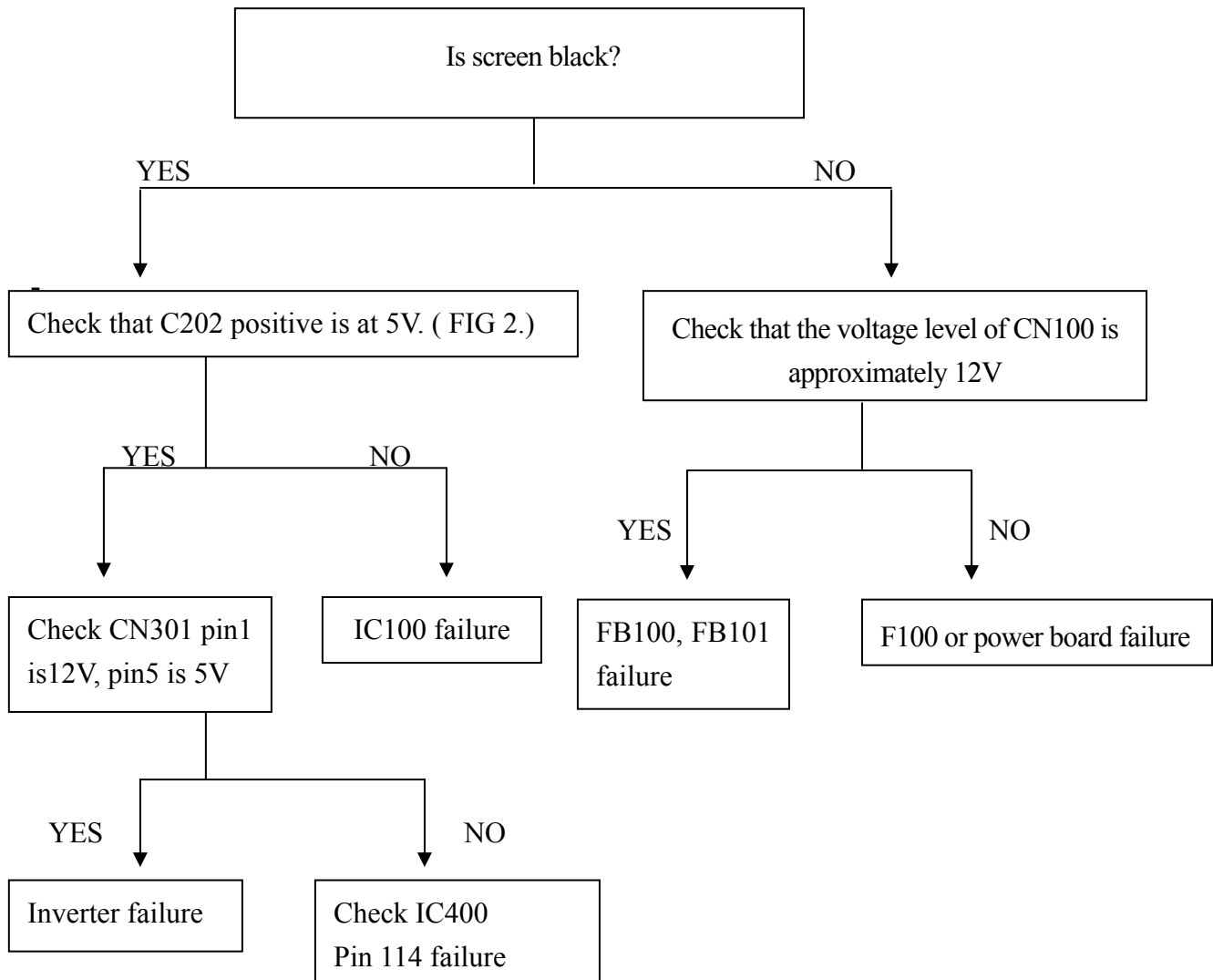


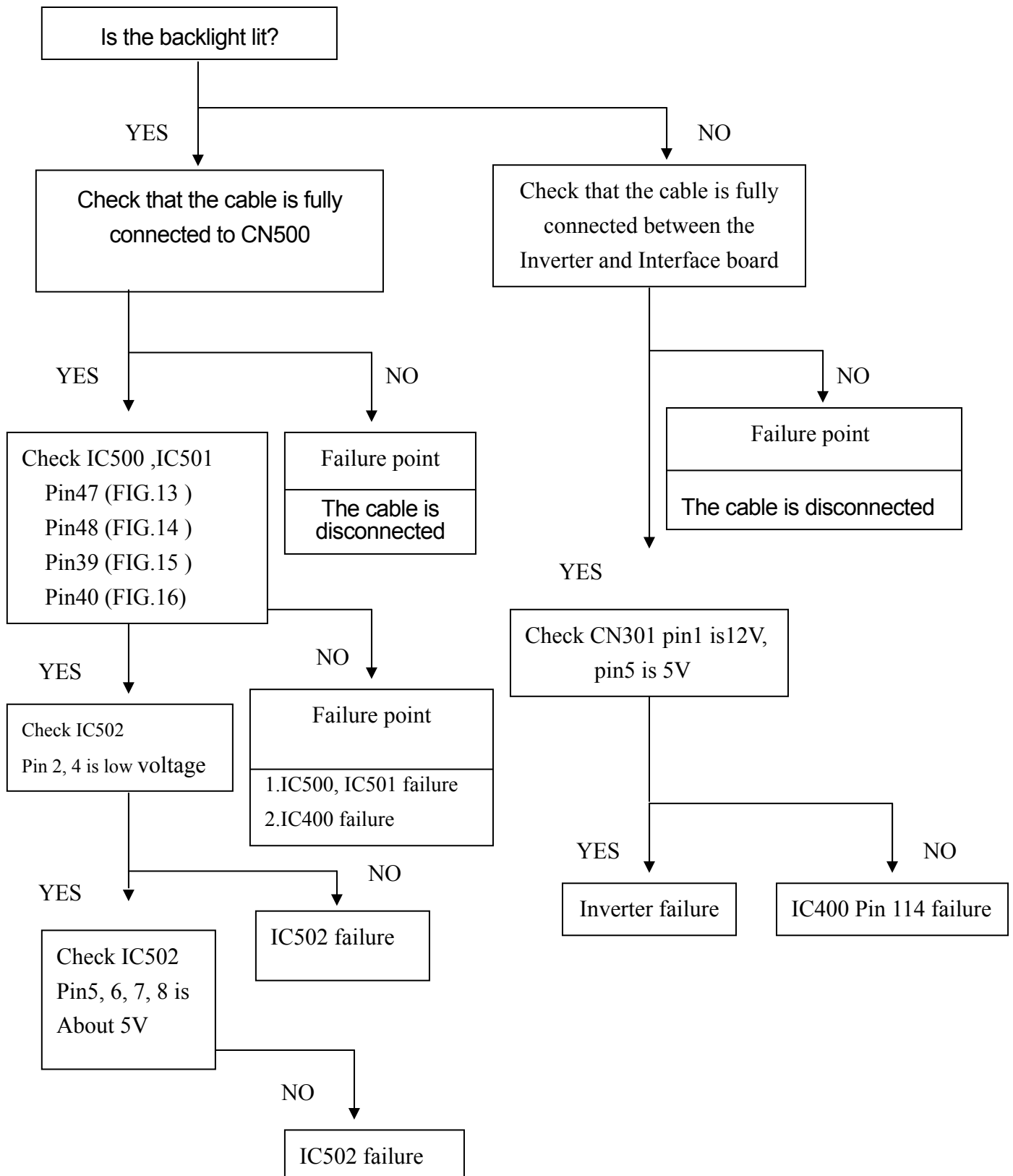
FIG 18. AUDIO SINE SIGNAL OUT



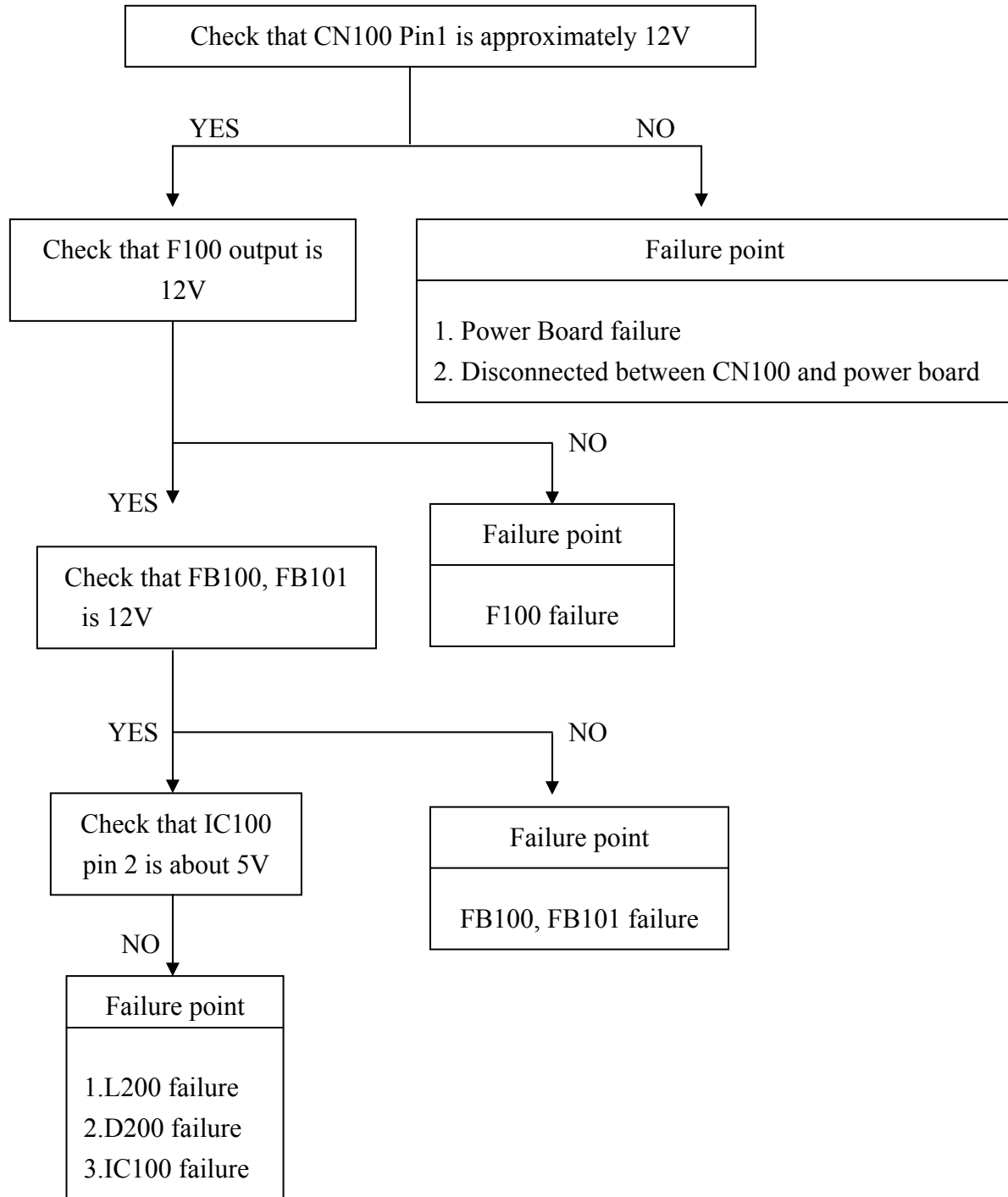
2. No Display on Screen (Screen is black, LED is off)



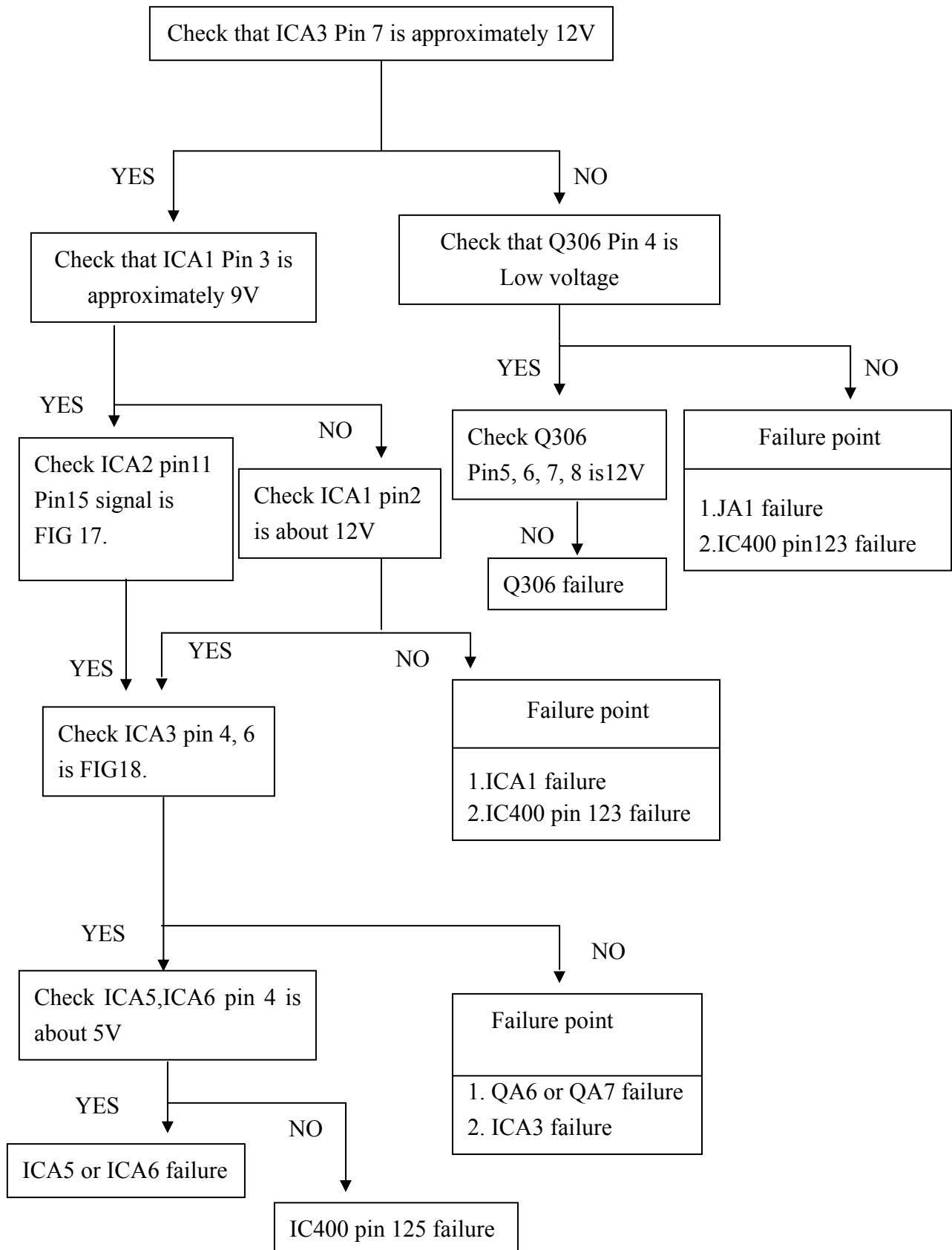
3. No Display on Screen (LED is green)



4. No Power On

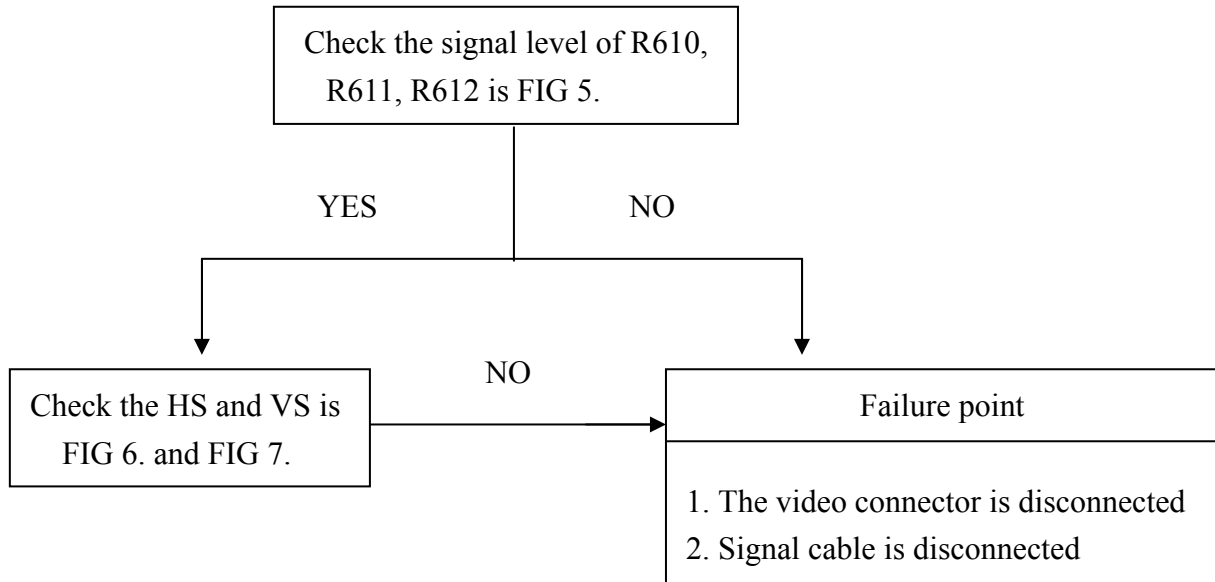


5. No Sound (Test signal: 1r.m.s sine waveform)

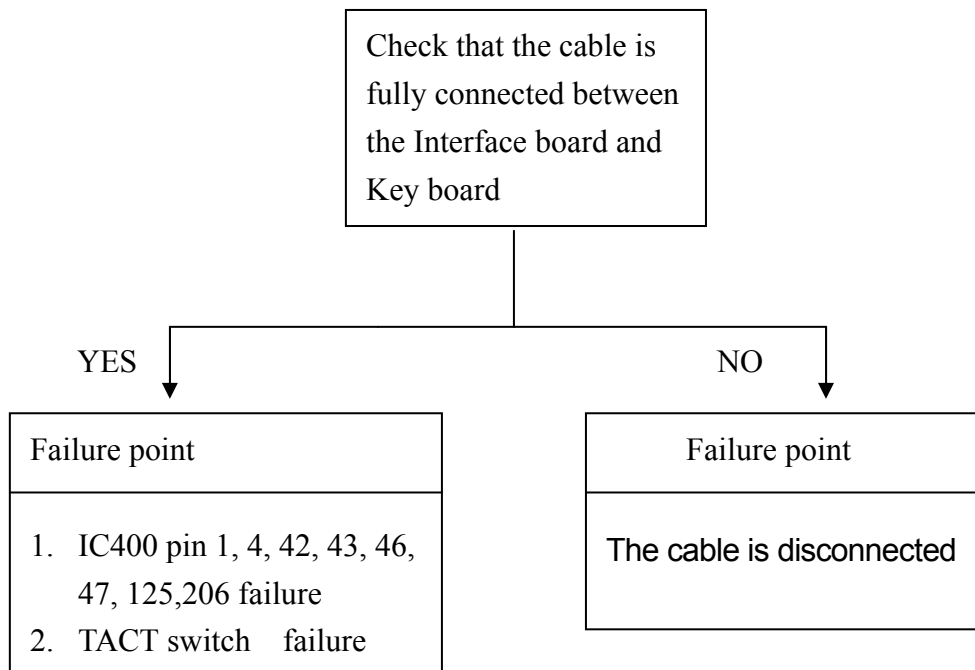


6. Show “No Signal” on screen

(Test pattern: 32 gray 1280X1024 60HZ)



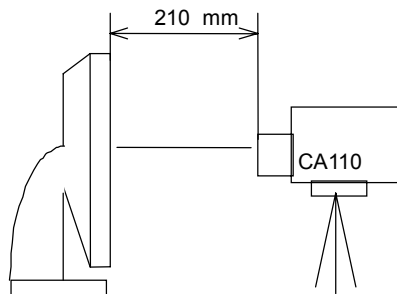
7. Keypad can not work



5. Adjust Procedure

1. Preparation of manual alignment

- 1.1 The alignment procedure is performed after unit has been completely assembled and before set inspection.
- 1.2 Before alignment, set should be burned-in for over 30MIN.
- 1.3 Measuring equipment used pre-programmed chroma 2226 or equivalent products.
Color meter-- Minolta CA210 or equivalent products.



1.4 Methods to enter/exit factory mode

- 1.4.1 Press “2” and “down” key and power on to set the monitor to the burn-in mode.
- 1.4.2 Press “vol-” and “1” key and power on to set the monitor to the factory mode.
- 1.4.3 To ensure the monitor is under factory mode, check the status in the OSD menu screen.

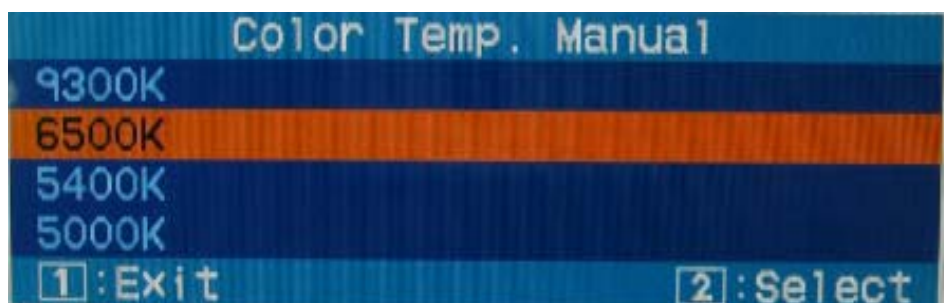


Otherwise, follow the procedure described in session 1.4.1 to enter the factory mode again

1.4.3 Under factory mode, press “power” key. the monitor will exit factory mode and enter normal display mode.

1.5 Methods to enter/exit manual color alignment menu

Under factory mode, select "Color Temp Manual" from factory OSD menu. It will display the following color temperature adjust menu.



Use “up” and “down” to move cursor between items “9300”, “6500”, “5400” and “5000”. Press “2” to select which color temperature to be adjusted. It will

show following menu.

Use “2” key to switch r, g, b, driver. “up” or “down” key to adjust the R. G.B value corresponding to the selected item.



2. Color temperature alignment

Before manually adjusting color temperature, set OSD contrast 80%, brightness 100% (factory default), enter into factory mode and select “color temp Manual” item.

2.1 9300°k alignment

2.1.1 Use “up” or “down” key to move cursor to 9300 color temperature. Then press “2” key to select 9300 color temperature adjustment.

2.1.2 Use “2” to move cursor to r-driver or g-driver or b-driver and then press “up” or “down” key to adjust it to meet following chromaticity spec.

9300 °k → $X = 0.283 \pm 0.003$, $Y = 0.298 \pm 0.003$ $y \geq 150 \text{cd/m}^2$.

2.1.3 Press “1” to exit 9300 color temperature adjustment and do another color temperature adjustment.

The above result R,G,B gain will automatically be saved when exiting the factory mode OSD menu.

2.2 6500°k alignment

2.2.1 Use “up” or “down” key to move cursor to 6500 color temperature. Then press “2” key to select 6500 color temperature adjustment.

2.2.2 Use “2” to move cursor to r-driver or g-driver or b-driver and then press “up” or “down” key to adjust it to meet following chromaticity spec.

$$6500^{\circ}\text{K} \rightarrow X = 0.313 \pm 0.003, Y = 0.329 \pm 0.003 \quad y \geq 180\text{cd/m}^2.$$

2.2.3 Press “1” to exit 6500 color temperature adjustment and do another color temperature adjustment.

The above result R,G,B gain will automatically be saved, when exiting the Factory mode OSD menu.

2.3 5400°K alignment

2.3.1 Use “up” or “down” key to move cursor to 5400 color temperature. Then press “2” key to select 5400 color temperature adjustment.

2.3.2 Use “2” to move cursor to r-driver or g-driver or b-driver and then press “up” or “down” key to adjust it to meet following chromaticity spec.

$$5400^{\circ}\text{K} \rightarrow X = 0.332 \pm 0.003, Y = 0.348 \pm 0.003 \quad y \geq 180\text{cd/m}^2.$$

2.3.3 Press “1” to exit 5400 color temperature adjustment and do another color temperature adjustment. when exit factory mode OSD menu, the above result R,G,B gain will automatically be saved

2.4 5000°K alignment

2.4.1 Use “up” or “down” key to move cursor to 5000 color temperature. Then press “2” key to select 5000 color temperature adjustment.

2.4.2 Use “2” to move cursor to r-driver or g-driver or b-driver and then press “up” or “down” key to adjust it to meet following chromaticity spec.

$$5000^{\circ}\text{K} \rightarrow X = 0.346 \pm 0.003, Y = 0.359 \pm 0.003 \quad y \geq 180\text{cd/m}^2.$$

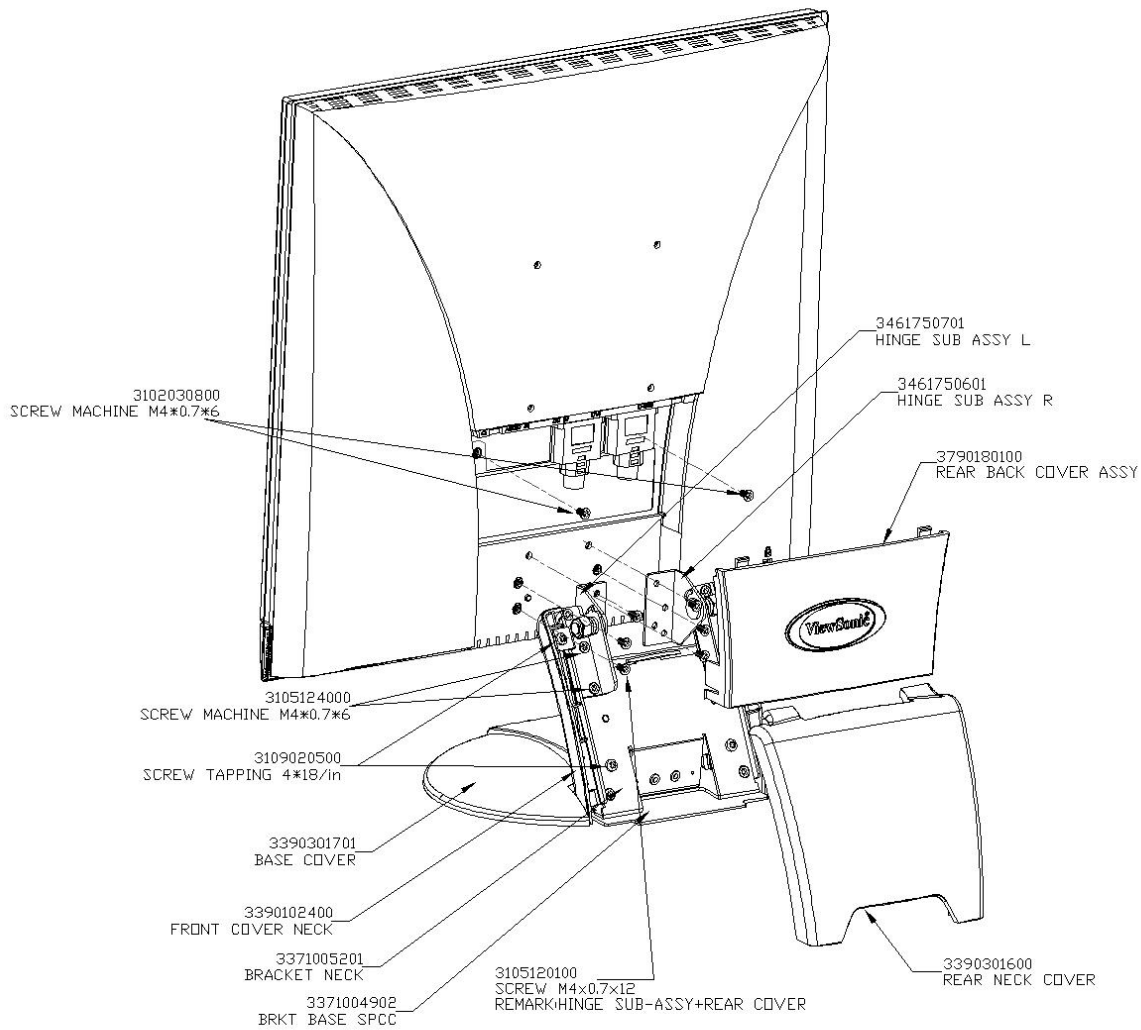
2.4.3 Press “1” to exit 5000 color temperature adjustment and do another color temperature adjustment.

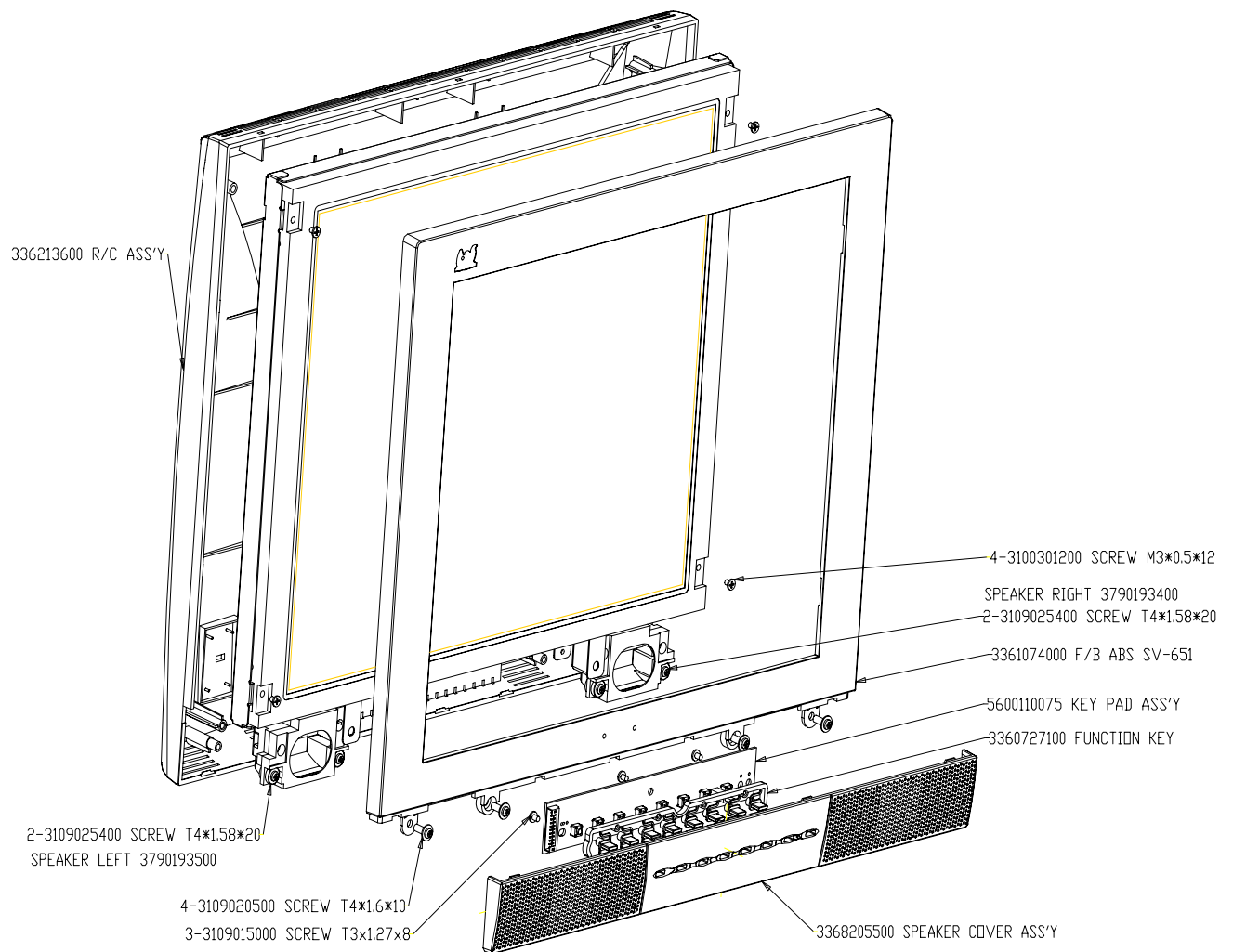
The above result R,G,B gain will automatically be saved, when exiting the the factory mode OSD menu.

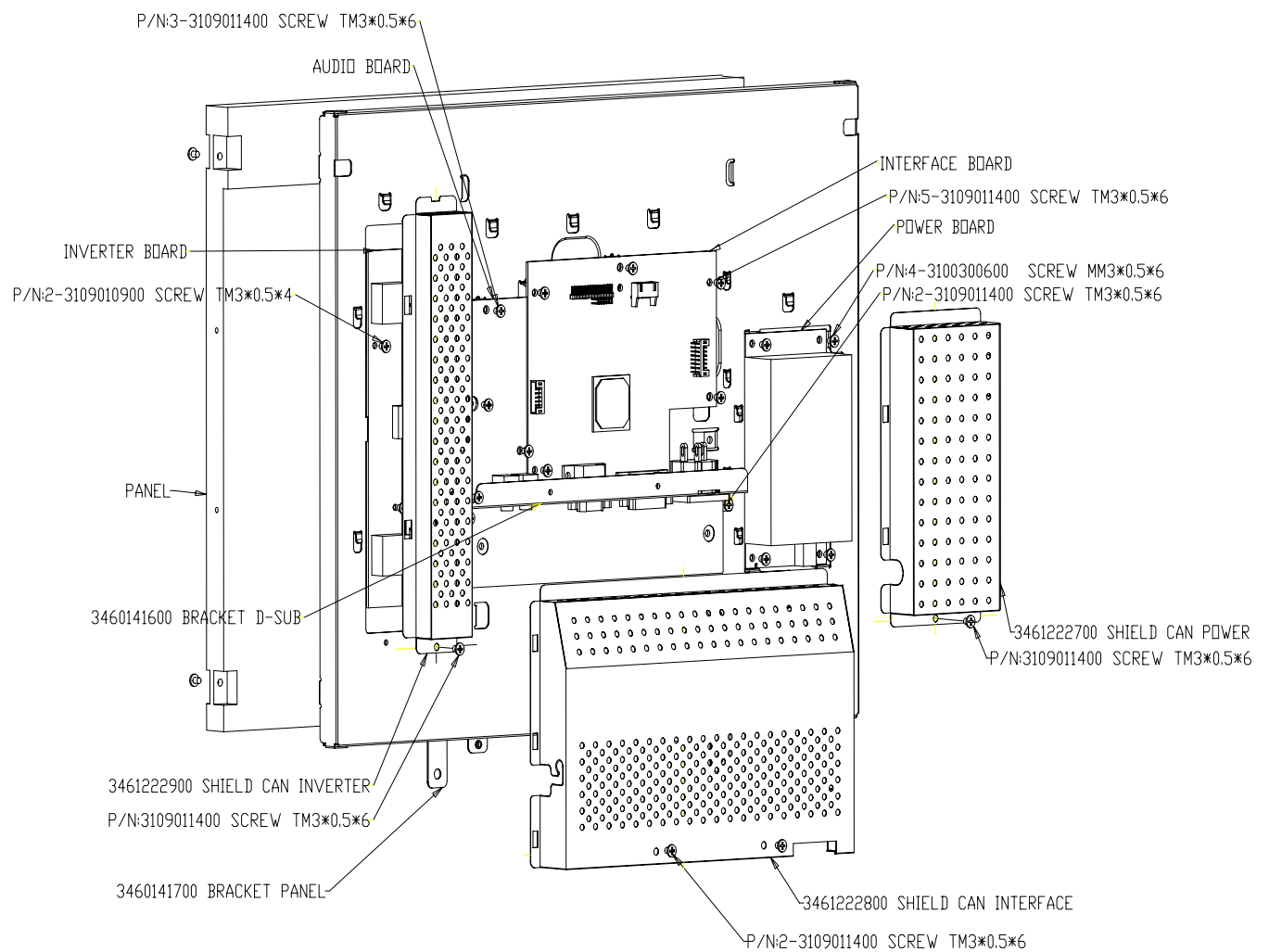
3. Factory preset setting

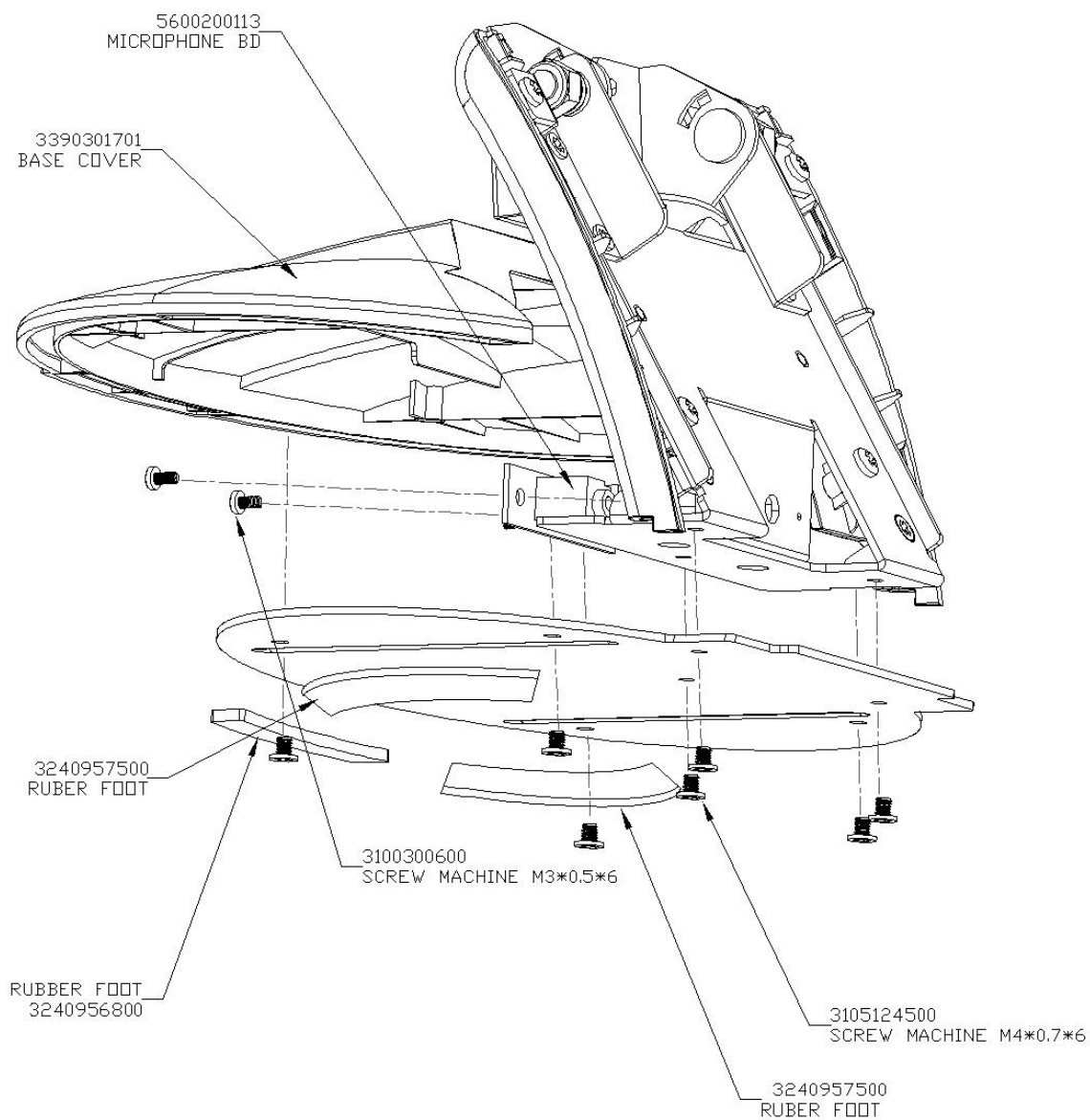
3.1 In factory mode OSD main menu select factory default setting. Press “2” to confirm the selection.

6. Mechanical Assembly



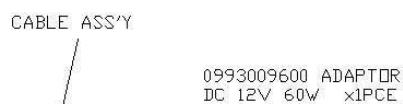
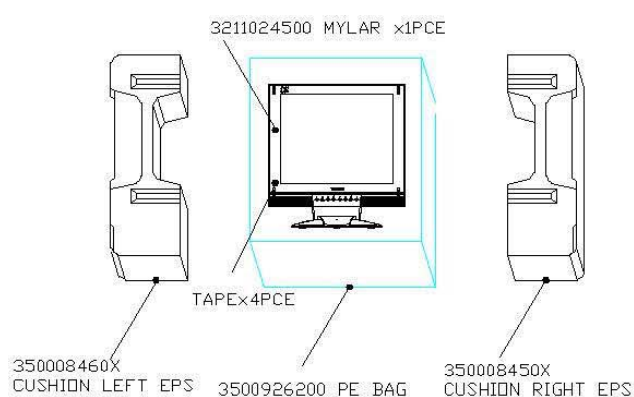






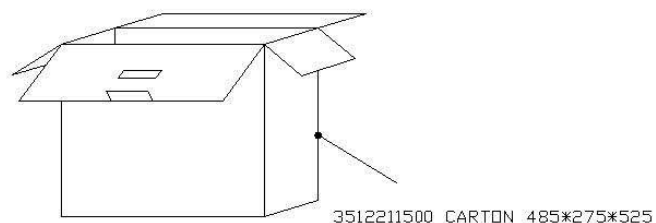
VX700-2 Series : Packing Assy

3080005100CABLE AUDIO L=1800 BLK PC99 x1PCE
 3080005200CABLE MICPHONE L=1800 BLK PC99 x1PCE
 3080412101CABLE D-SUB TO D-SUB RGB BLK LINK x1PCE
 3080412401CABLE DVI-D/DVI-D SINGLE LINK x1PCE
 3090121400AC POWER CORD US 3PIN L1800 x1PCE
 3090121500AC POWER CORD EURO 3PIN L1800 x1PCE



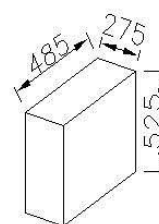
USED ON: L17EMW 05AAW
 3532034200 MANUAL ASSY x1PCE
 3532035100 CD 120*120 VIEWSONIC x1PCE

TOP VIEW
 附件擺放位置



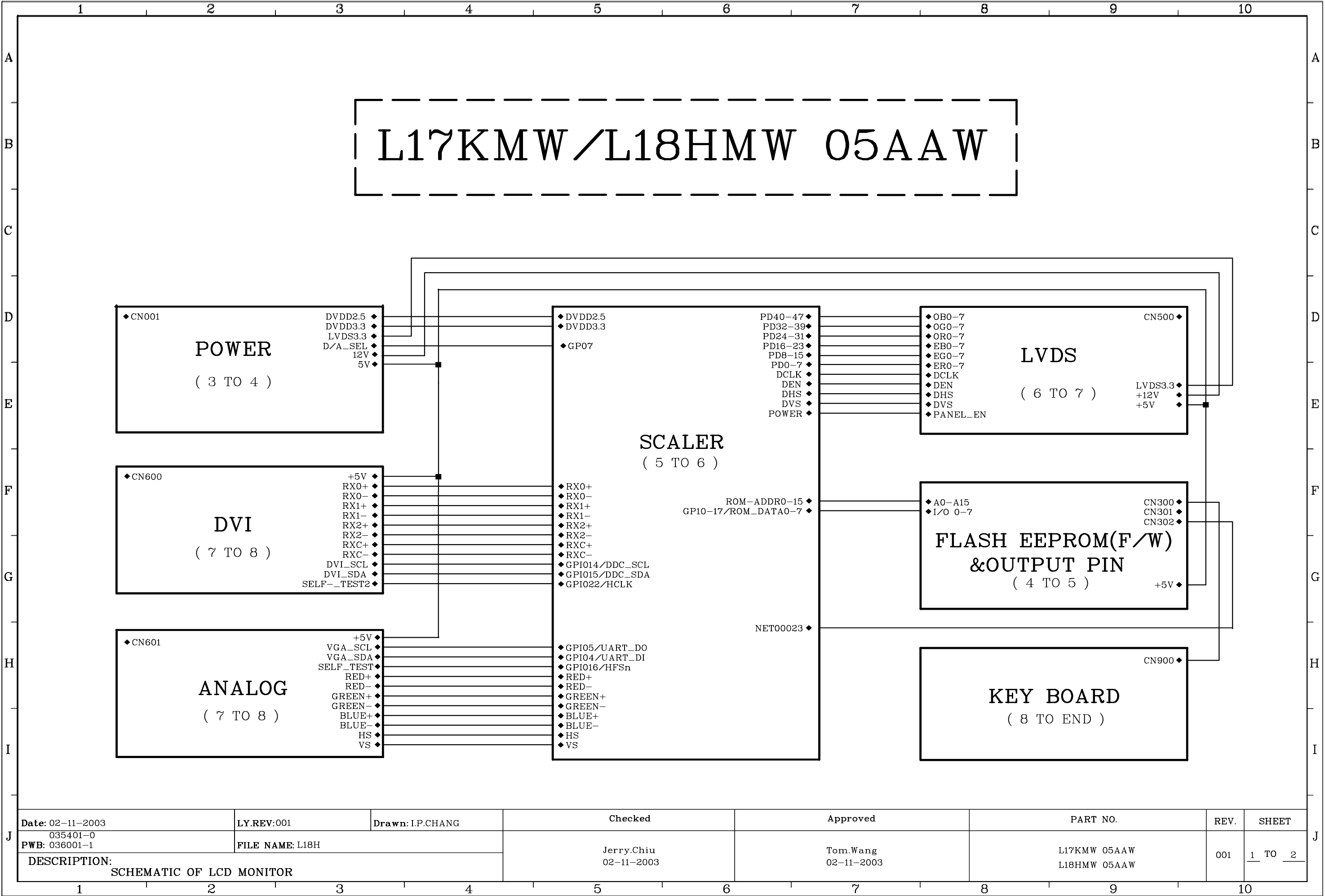
Front

Set packing ass'y



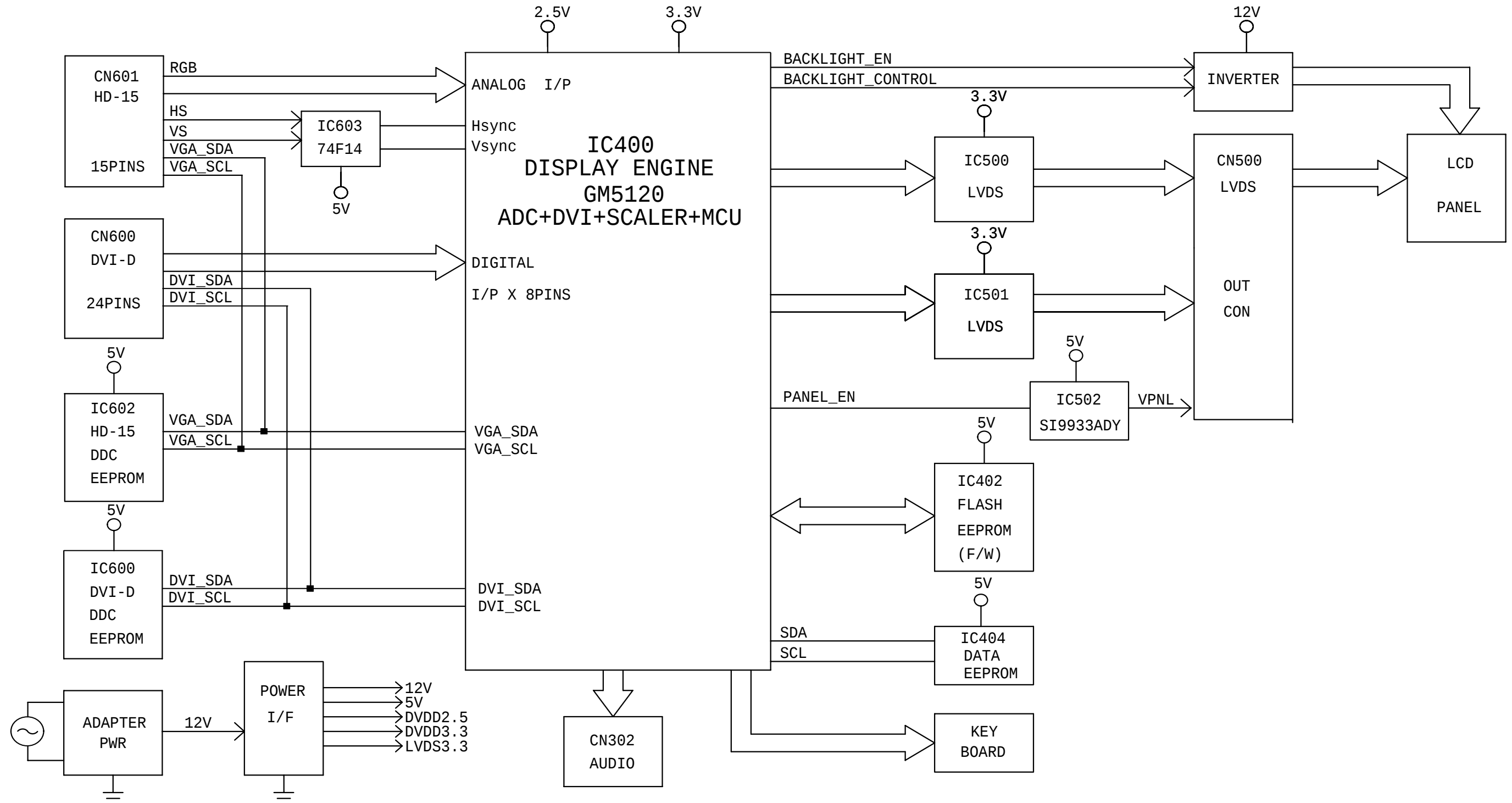
Mechanical Parts List

Item	VIEWSONIC P/N	Reference No	Description
1	M-SCW-0824-0696	3102030800	SCREW MACHINE M4 x 0.7 x 6
2	M-SCW-0814-0692	3105124000	SCREW MACHINE M4 x 0.7 x 6
3	M-SCW-0824-0620	3109020500	SCREW TAPPING 4 x 18 in
4	M-CV-0830-2355	3390301701	BASE COVER
5	M-CV-0830-2305	3390102400	FRONT COVER NECK
6	M-MS-0808-8160	3371005201	BRACKET NECK
7	M-MS-0808-8159	3371004902	BRACKET BASE SPCC
8	M-SCW-0814-0691	3105120100	SCREW M4 x 0.7 x 12 (REMARK: HINGE SUB-ASSY+REAR
9	M-CV-0830-2306	3390301600	REAR NECK COVER
10	M-CV-0830-2315	3790180100	REAR BACK COVER ASSY
11	M-MS-0808-8163	3461750601	HINGE SUB ASSY R
12	M-MS-0808-8164	3461750701	HINGE SUB ASSY L
13	C-BC-0302-0479	3362136000	R/C ASSY
14	M-SCW-0824-0697	3109025400	SCREW T4 x 1.58 x 20 (2 PCS)
15	E-SK-0412-0071	3790193500	SPEAKER LEFT
16	M-SCW-0824-0620	3109020500	SCREW T4 x 1.6 x 10 (4 PCS)
17	M-SCW-0814-0694	3109015000	SCREW T3 x 1.27 x 8 (3 PCS)
18	M-CV-0830-2385	3368205500	SPEAKER COVER ASSY
19	PL-FK-0709-0114	3360727100	FUNCTION KEY
20	B-KB-0207-0030	5600110075	KEY PAD ASSY
21	C-FP-0301-0777	3361074000	F/B ABS SV-651
22	M-SCW-0824-0433	3100301200	SCREW T4 x 1.58 x 20 (2 PCS)
23	E-SK-0412-0070	3790193400	SPEAKER RIGHT
24	M-SCW-0824-0433	3100301200	SCREW M3 x 0.5 x 12 (4 PCS)
25	M-SCW-0824-0413	3109011400	SCREW TM3 x 0.5 x 6 (3 PCS)
26	B-AC-0215-0038	N/A	AUDIO BOARD
27	B-SB-0221-0458	N/A	INVERTER BOARD
28	M-SCW-0824-0732	3109010900	SCREW TM3 x 0.5 x 4 (2 PCS)
29	M-LCD-0826-0133	N/A	PANEL
30	M-MH-0822-0005	3460141600	BRACKET D-SUB
31	M-CV-0830-2388	3461222900	SHIELD CAN INVERTER
32	M-SCW-0824-0413	3109011400	SCREW TM3 x 0.5 x 6
34	M-MH-0822-0006	3460141700	BRACKET PANEL
35	M-SCW-0824-0413	3109011400	SCREW TM3 x 0.5 x 6 (2 PCS)
36	M-CV-0830-2387	3461222800	SHIELD CAN INTERFACE
37	M-SCW-0824-0413	3109011400	SCREW TM3 x 0.5 x 6
38	M-CV-0830-2386	3461222700	SHIELD CAN POWER
39	M-SCW-0824-0413	3109011400	SCREW TM3 x 0.5 x 6 (2 PCS)
40	M-SCW-0824-0410	3100300600	SCREW MM3 x 0.5 x 6 (4 PCS)
41		N/A	POWER BOARD
42	M-SCW-0824-0413	3109011400	SCREW TM3 x 0.6 x 6
43	B-IF-0222-0033	N/A	INTERFACE BOARD
44	B-SB-0221-0450	5600200113	MICROPHONE BOARD
45	M-CV-0830-2355	3390301701	BASE COVER
46	PL-PD-0714-0068	3240957500	RUBBER FOOT
47	PL-PD-0714-0067	3240956800	RUBBER FOOT
48	M-SCW-0824-0410	3100300600	SCREW MACHINE M3 x 0.5 x 6
49	PL-PD-0714-0068	3240957500	RUBBER FOOT
50	M-SCW-0814-0693	3105124500	SCREW MACHINE M4 x 0.7 x 6
51	M-MS-0808-8303	3211024500	MYLAR (1 PCS)
52		N/A	TAPE (4 PCS)
53	P-FM-0602-0765	350008460X	CUSHION LEFT EPS
54	P-FM-0602-0764	350008450X	CUSHION RIGHT EPS
55		3500926200	PE BAG
56	P-BX-0601-0697	3512211500	CARTON (485 x 275 x 528)
57	M-MS-0808-8222	3532034200	MANUAL ASSY
58	A-CD-VX700-2	3532035100	CD 120 x 120 VIEWSONIC
59	A-AD-0114-0094	0993009600	ADAPTER DC 12V 60W
60		N/A	CABLE ASSY
61	A-AU-0120-0033	3080005100	CABLE AUDIO L=1800 BLK PC99
62	A-MC-0105-0017	3080005200	CABLE MICROPHONE L=1800 BLK PC99
63	M-MS-0808-8033	3080412101	CABLE D-SUB TO D-SUB RGB BLK LINK
64	M-MS-0808-8041	3080412401	CABLE DVI-D/DVI-D SINGLE LINK
65	A-PC-0106-0191	3090121400	AC POWER CORD US 3PIN L=1800
66	A-PC-0106-0192	3090121500	AC POWER CORD EURO 3PIN L=1800



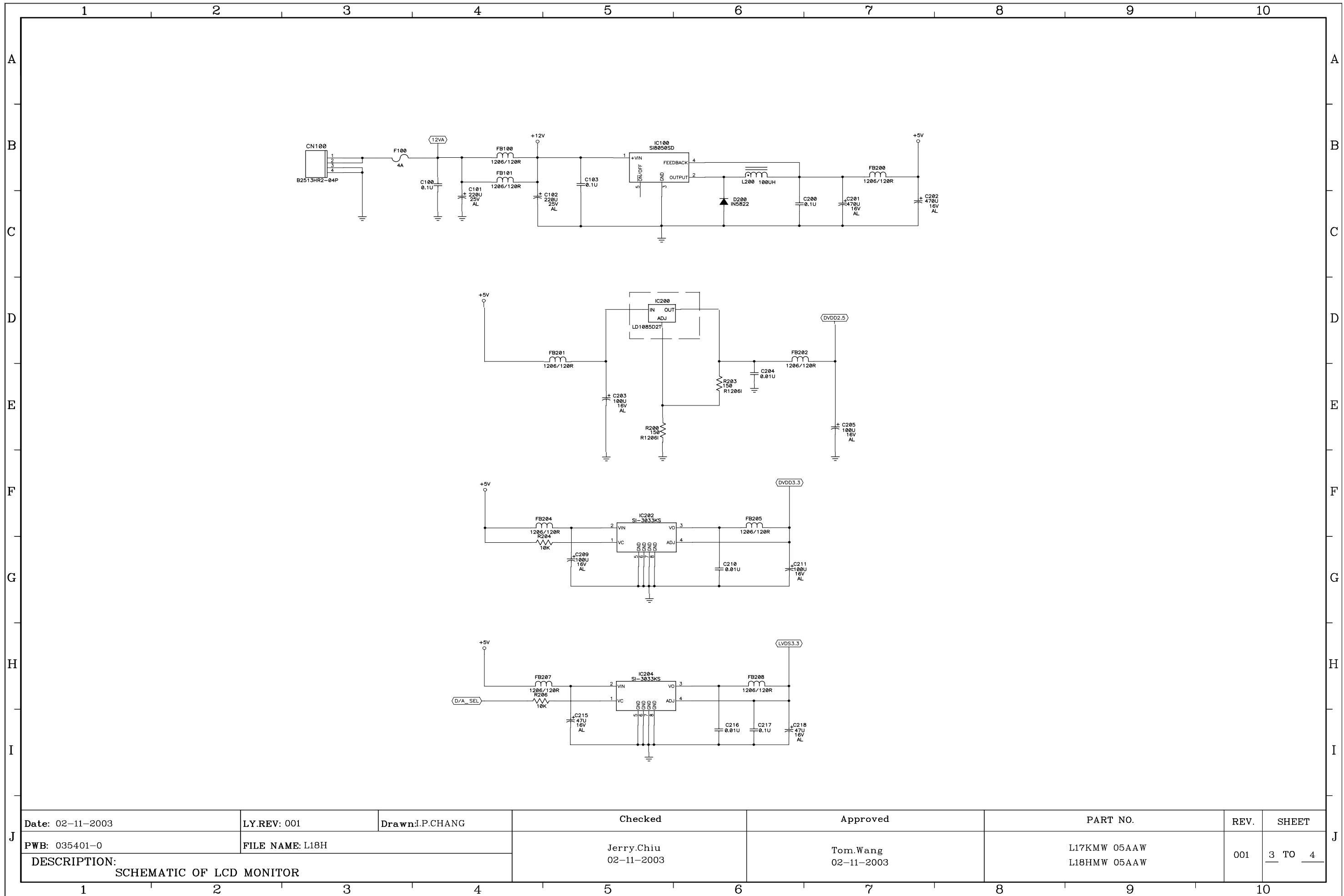
Date: 02-11-2003 035401-0	LY.REV:001	Drawn: I.P.CHANG	Checked	Approved	PART NO.	REV.	SHEET
PWB: 036001-1	FILE NAME: L18H		Jerry.Chiu 02-11-2003	Tom.Wang 02-11-2003	L17KMW 05AAW L18HMW 05AAW	001	1 TO 2
DESCRIPTION: SCHEMATIC OF LCD MONITOR							

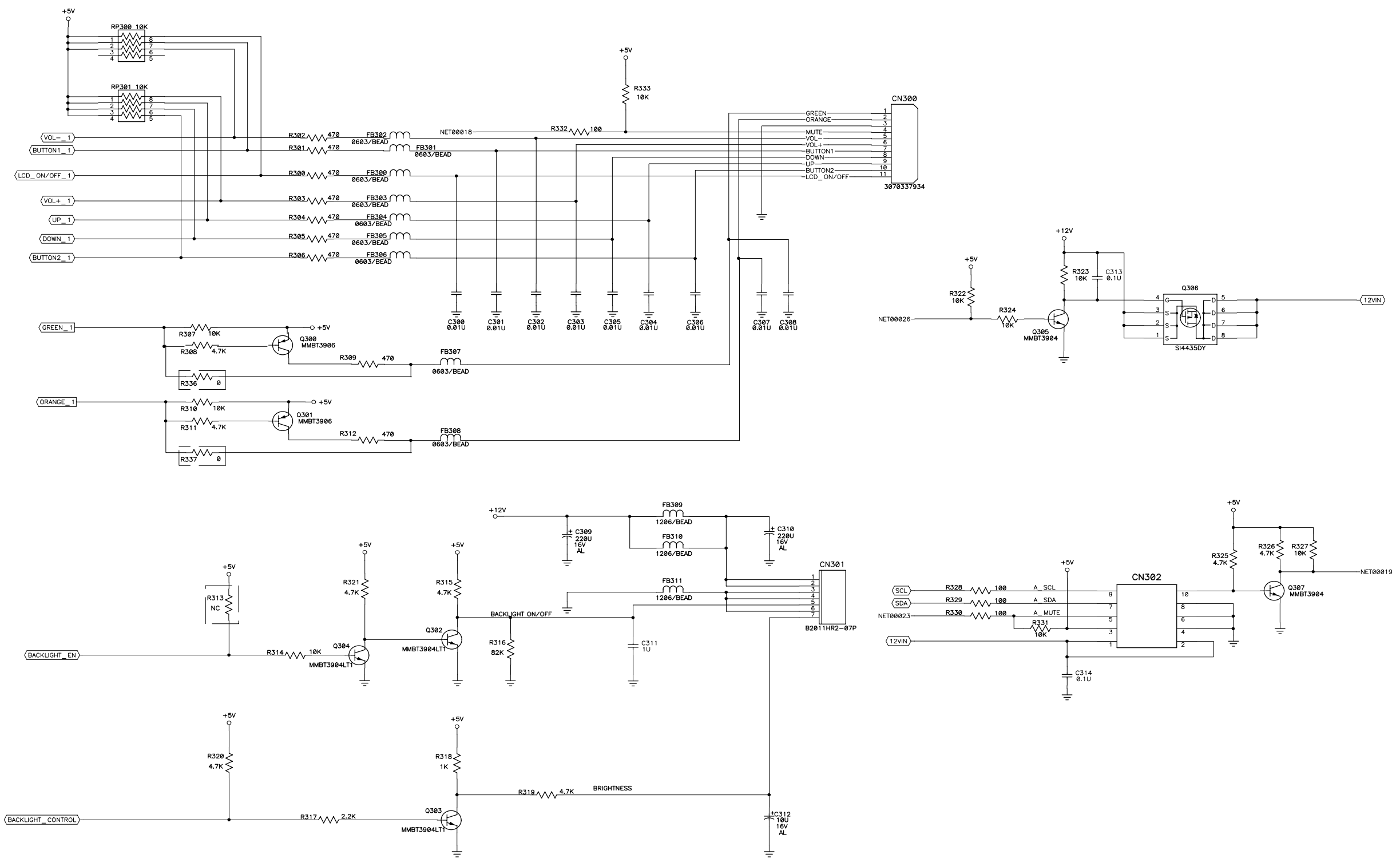
L17KMW/L18HMW 05AAW LCD MONITOR BLOCK DIAGRAM



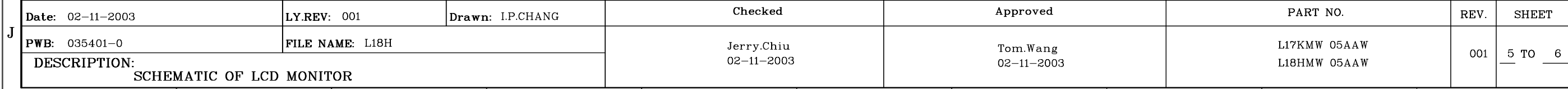
Date: 02-11-2003	LY.REV: 001	Drawn: I.P.CHANG	Checked	Approved	PART NO.	REV.	SHEET
PWB: 035401-0	FILE NAME: L18H		Jerry.Chiu 02-11-2003	Tom.Wang 02-11-2003	L17KMW 05AAW L18HMW 05AAW	001	2 TO 3
DESCRIPTION: SCHEMATIC OF LCD MONITOR							

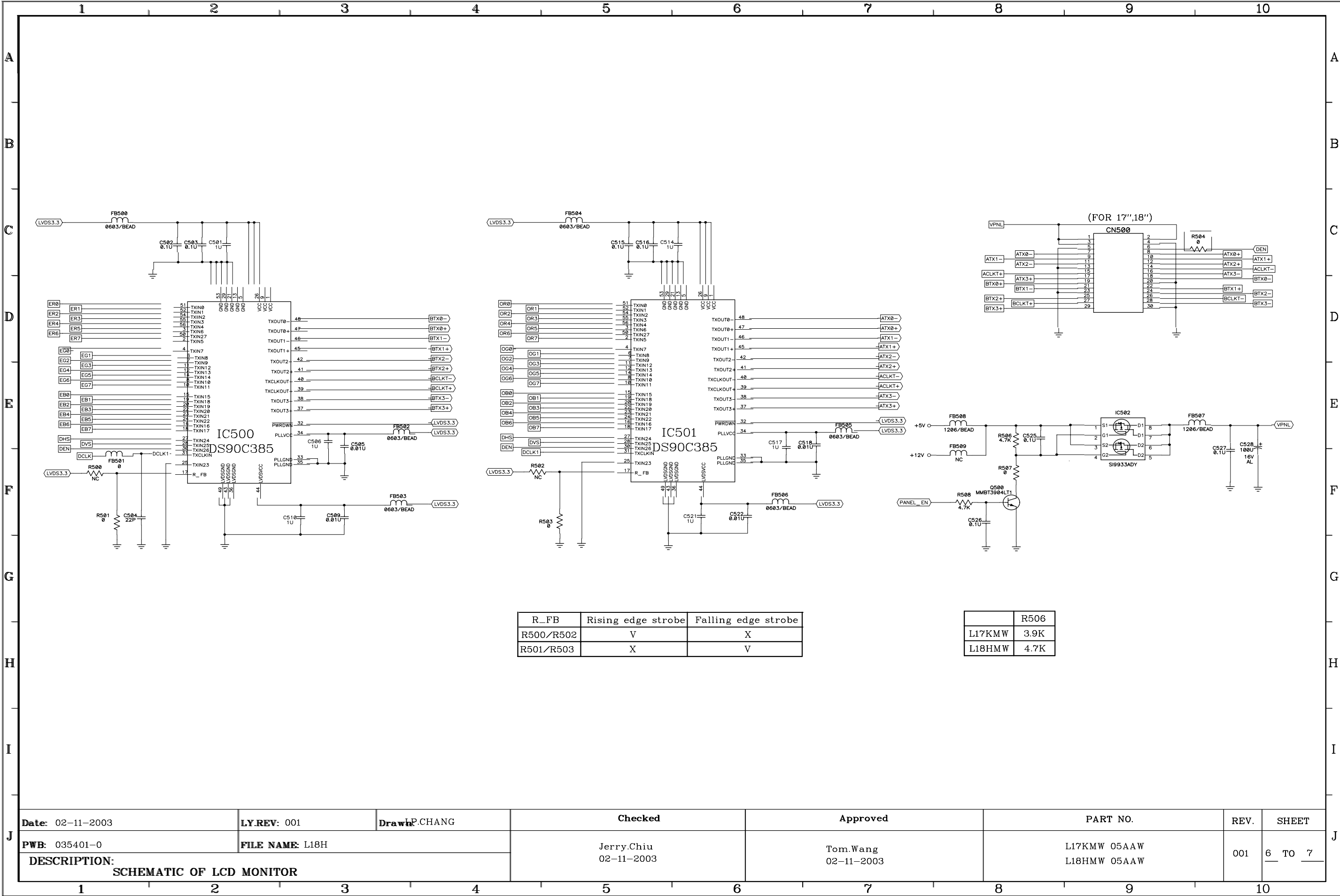
Frame Name:FR9-1R00.TTL*

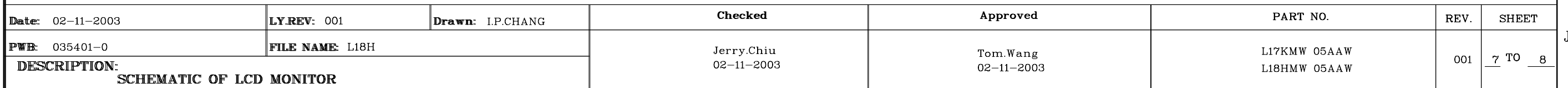


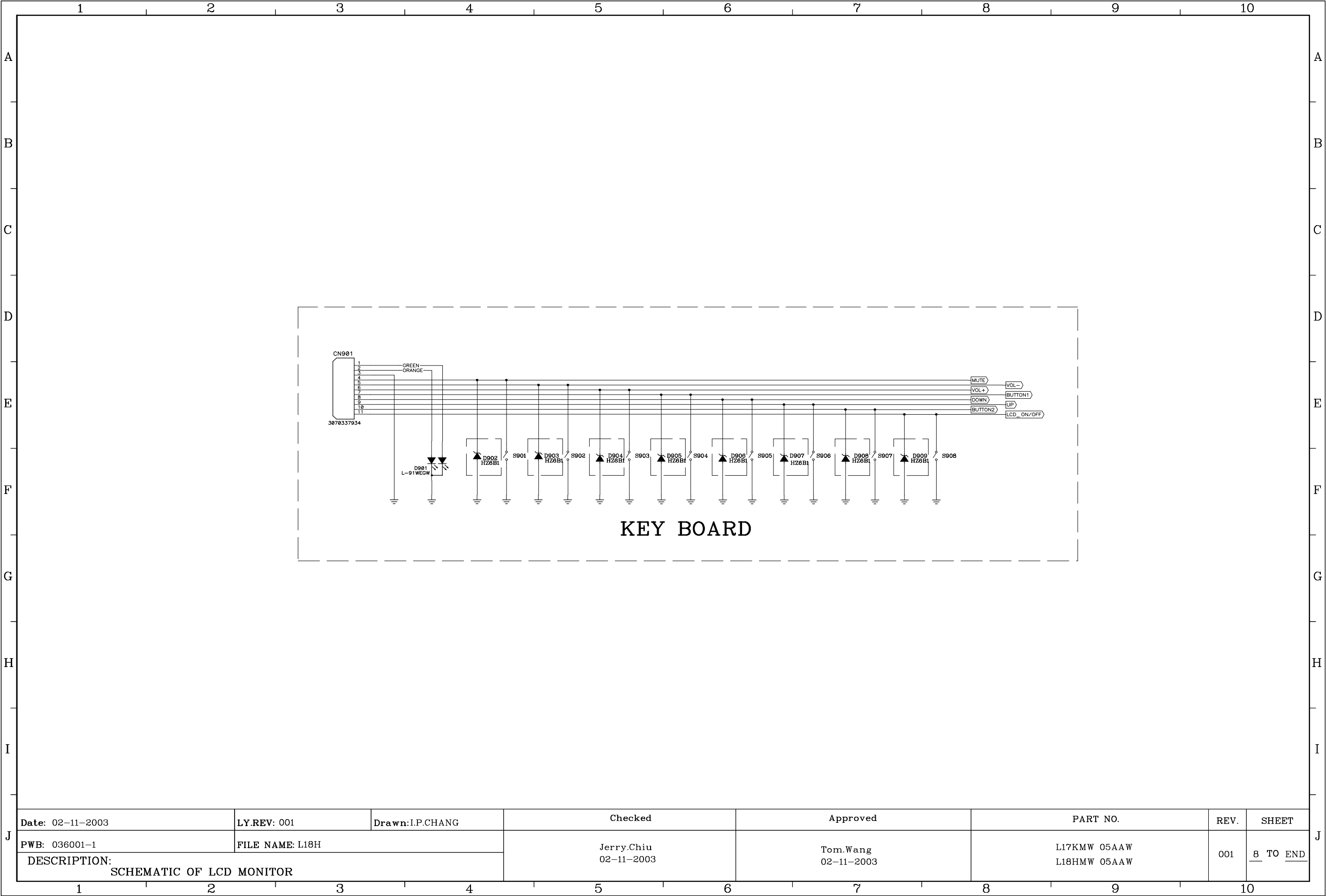


Date: 02-11-2003	LY.REV: 001	Drawn: I.P.CHANG	Checked	Approved	PART NO.	REV.	SHEET
PWB: 035401-0	FILE NAME: L18H		Jerry.Chiu	Tom.Wang	L17KMW 05AAW	001	4 TO 5
DESCRIPTION: SCHEMATIC OF LCD MONITOR			02-11-2003	02-11-2003	L18HMW 05AAW		



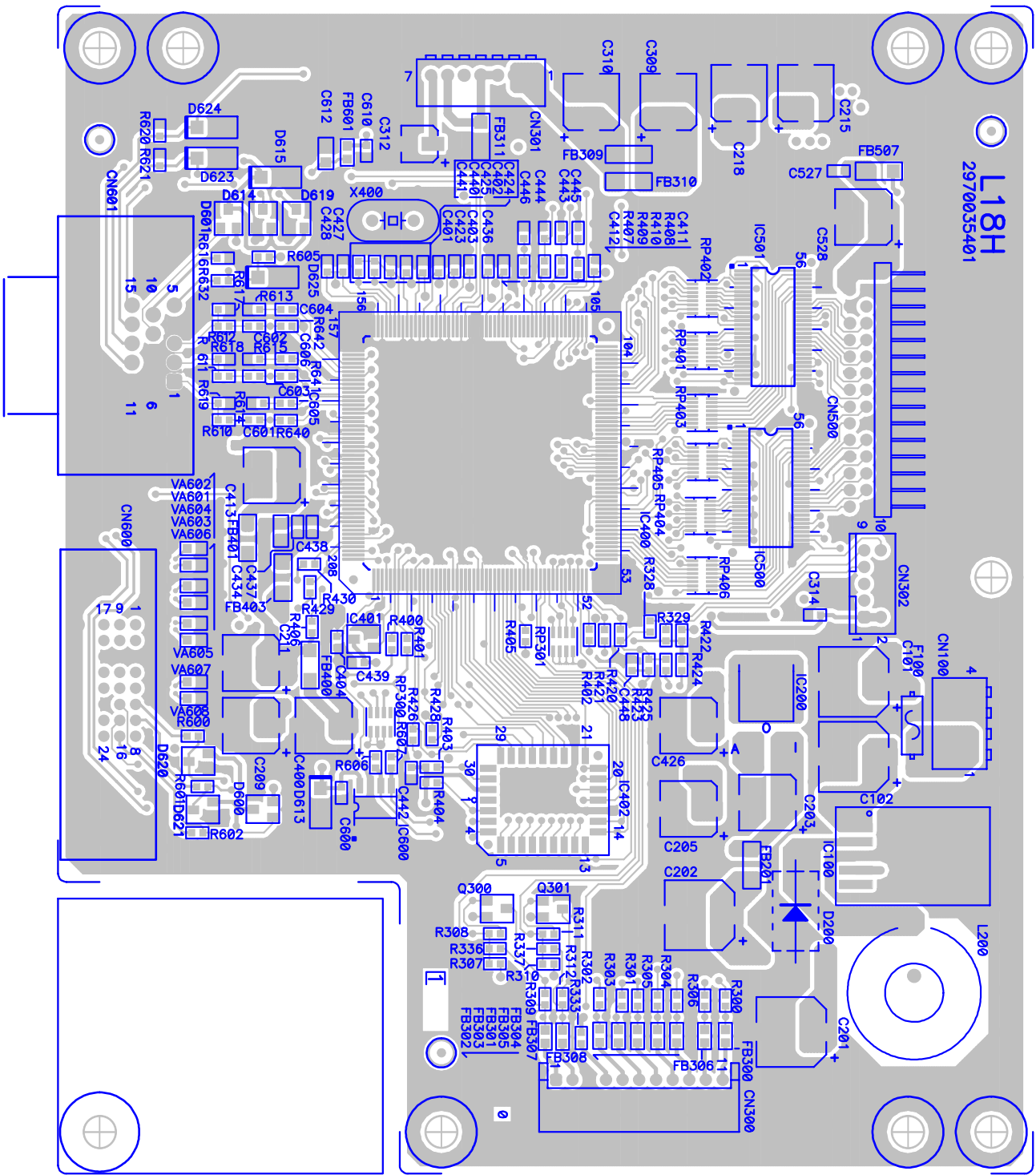






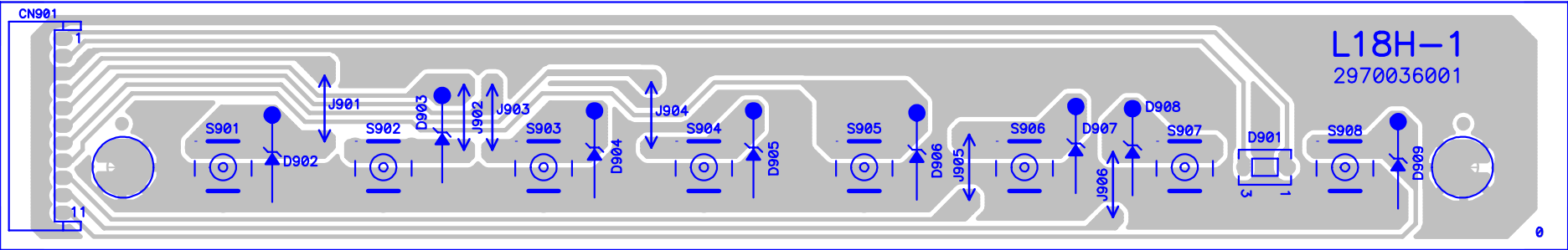
Frame Name:FR9-1R00.TTL*

8. PCB Layout



	DRAWING NO: PM-1- 18H	REV: 01
	USED ON: L18H	CODE: 00
	MADE BY: I.P.CHANG	DATE: 11-08-2002
	P/N: 2970035401	COMPONENT SIDE SIZE :1=1

	DRAWING NO: PM-1- 18H-1	REV: 1
	USED ON: L18H-1	CODE: 0
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	P/N: 2970036001	
	COMPONENT SIDE SIZE: 1=1	



9. Recommended Spare Parts List

VX700-3 Recommended Spare Parts List

Item	VIEWSONIC P/N	Reference NO	DESCRIPTION	REMARKS
1	A-AD-0114-0181	0993023000	POWER 90-264VAC 12VDC 4.16A COMPUTER USE	
2	A-PC-0106-0193	3070000501	AC POWER CORD L1800 BLACK EURO	
3	A-AU-0120-0033	3080005100	CABLE AUDIO L=1800 BLK PC99	
4	A-MC-0105-0017	3080005200	CABLE MICPHONE L=1800 BLK PC99	
5	M-MS-0808-8033	3080412101	CABLE D-SUB TO D-SUB RGB BLK L	
6	M-MS-0808-8041	3080412401	CABLE DVI-D/DVI-D SINGLE LINK	
7	A-PC-0106-0229	3090119001	AC POWER CORD L1830 BLACK US	
8	M-SCW-0824-0410	3100300600	SCREW M M3*0.5*6 PAN C S+P S20	POWER BD&PANEL BKT
9	M-SCW-0824-0433	3100301200	SCREW M M3*0.5*12 PAN C S+P S2	PANEL/COVER LCD+R/C
10	M-SCW-0824-0433	3100301200	SCREW M M3*0.5*12 PAN C S+P S2	PANEL+COVER LCD
11	M-SCW-0824-0690	3105051501	SCREW M #4-40*7 HEXH #4-40*3 S	CONN. D-SUB
12	M-SCW-0824-0690	3105051501	SCREW M #4-40*7 HEXH #4-40*3 S	CONN. DVI-D
13	M-SCW-0814-0691	3105120100	SCREW M M4*0.7*12 PAN C S+P S1	HINGE SUB+R/C
14	M-SCW-0814-0692	3105124000	SCREW M M4*0.7*6 PAN C S18C NI	HINGE SUB+NECK BRKT
15	M-SCW-0814-0693	3105124500	SCREW M M4*0.7*6 FF C S18C ZN	NECK BRKT+BTTM COVER
16	M-SCW-0814-0693	3105124500	SCREW M M4*0.7*6 FF C S18C ZN	PANEL BRKT+BACK CABINET
17	M-SCW-0814-0693	3105124500	SCREW M M4*0.7*6 FF C S18C ZN	NECK SUB ASSY+BASE COVER
18	M-SCW-0824-0732	3109010900	SCREW T M3*0.5*4 BIND C S18C Z	IVT BD&PANEL BKT I/F BD
19	M-SCW-0824-0413	3109011400	SCREW T M3*0.5*6 BIND C S18C Z	I/F BD & PANEL BKT
20	M-SCW-0824-0413	3109011400	SCREW T M3*0.5*6 BIND C S18C Z	D-SUB BKT& PANEL BKT
21	M-SCW-0824-0413	3109011400	SCREW T M3*0.5*6 BIND C S18C Z	I/F SHIELD CAN & D-SUB BKT
22	M-SCW-0824-0413	3109011400	SCREW T M3*0.5*6 BIND C S18C Z	AUDIO BD&PANEL BKT
23	M-SCW-0824-0413	3109011400	SCREW T M3*0.5*6 BIND C S18C Z	KEY BD GND& PANEL BKT
24	M-SCW-0824-0413	3109011400	SCREW T M3*0.5*6 BIND C S18C Z	AUDIO BD+ICA3
25	M-SCW-0824-0413	3109011400	SCREW T M3*0.5*6 BIND C S18C Z	POWER SHIELD CAN&PANEL BKT
26	M-SCW-0824-0413	3109011400	SCREW T M3*0.5*6 BIND C S18C Z	IVT COVER& PANEL BKT
27	M-SCW-0814-0694	3109015000	SCREW T φ3*1.27*8 PAN C S20C	K/B+SPK COVER
28	M-SCW-0824-0620	3109020500	SCREW T φ4*1.6*10 PAN C S18C	BACK CABINET+PANEL BRKT
29	M-SCW-0824-0620	3109020500	SCREW T φ4*1.6*10 PAN C S18C	FOR F/B +RC
30	M-SCW-0824-0393	3109020700	SCREW T M4*0.7*8 PAN C S S18C	AC SOCKET GND
31	M-SCW-0824-0733	3109026000	SCREW T φ4*1.27*12 FPH C S18C	SPEKER & BACK CABINET
32	M-SCW-0824-0733	3109026000	SCREW T φ4*1.27*12 FPH C S18C	NECK F/C+BKT NECK
33	M-MS-0808-8040	3110250000	WASHER SPRING SWRT	CONN. D-SUB
34	M-MS-0808-8040	3110250000	WASHER SPRING SWRT	CONN. DVI-D
35	M-LB-0813-0712	3200449700	LABEL WARING	AIR SHIPPING
36	M-MS-0808-4686	3200462800	NAME PLATE AL+PC VSC 3-BIRD LO	
37	M-MS-0808-8151	3200641801	NAME PLATE AL 43*6.9*1.15T VIE	F/B
38	M-MS-0808-7739	3200648800	NAME PLATE ABS 94HB VIEWSONIC	
39	M-LB-0813-0384	3200712700	LABEL CONTROL 100*90	STICK ON PALLET
40	M-LB-0813-0758	3201942300	LABEL ID 160*43 VSC VX700-3	
41	M-LB-0813-0700	3202207300	LABEL MIC IN 10.2*15	BRACKET NE
42	M-LB-0813-0714	3202310700	LABEL HV WARNING 100*25	
43	M-MS-0808-7740	3211024600	MYLAR 408*326 T.2	FRONY BEZE
44	C-BC-0302-0477	3360240100	R/C ABS VSC02B VX700-2	
45	C-BC-0302-0478	3360240400	CABINET BACK ABS 41 VX700-2	
46	PL-FK-0709-0114	3360727100	FUNCTION KEY ABS VSC02B S7LFA1	
47	M-CV-0830-2381	3360916300	ARM FRONT ABS 41 VX700-2	
48	M-CV-0830-2382	3360916400	ARM REAR ABS 41 VX700-2	
49	C-FP-0301-0777	3361074001	F/B ABS SV-651 VX700-3	
50	M-CV-0830-2383	3361204400	COVER SPEAKER ABS 41 VX700-2	
51	M-CV-0830-2384	3361204500	COVER BASE ABS 41 VX700-2	
52	M-CV-0830-2385	3368205500	SPEAKER COVER ASSY L17KMW05AAW	
53	C-BC-0302-0479	3368213600	R/C ASSY L17KMW05AAW	
54	M-MS-0808-8159	3371004902	BRKT BASE SPCC T=2 ZN BLK	
55	M-MS-0808-8160	3371005202	BRACKET MECK SPCC T=2 ZN BLUE	
56	M-MH-0822-0002	3371005500	BRACKET VESA MOUNTING SECC T=1	FOR CABINET BACK
57	M-MH-0822-0004	3371005701	BRACKET KENSINGTON SECC T=1.2	FOR CABINET BACK
58	M-MS-0808-8162	3421024500	CABLE CLAMP GROUNDING SPCC T.3	K/B WIRE+PANEL BRKT

59	M-MH-0822-0005	3460141600	BRACKET D-SUB SECC 211.5*23.8	
60	M-MH-0822-0006	3460141700	BRACKET PANEL SECC 388.2*310.6	FIX ON PANEL BKT&36701903XX
61	M-MH-0822-0006	3460141700	BRACKET PANEL SECC 388.2*310.6	
62	M-MH-0822-0007	3460144800	BRACKET CONN SECC 41.7*30 T0.6	
63	M-CV-0830-2386	3461222700	SHIELD CAN POWER SPTH 164.2*86	
64	M-CV-0830-2387	3461222800	SHIELD CAN INTERFACE SPTH 214*	
65	M-CV-0830-2388	3461222900	SHIELD CAN INVERTER SPTH 191.2	
66	M-MS-0808-8163	3461750601	HINGE SUB ASSY R	
67	M-MS-0808-8164	3461750701	HINGE SUB ASSY L	
68	P-FM-0602-0764	3500084500	END BLOCK EPS (R) 500*250*180	
69	P-FM-0602-0765	3500084600	END BLOCK EPS (L) 500*250*180	
70	M-MS-0808-7741	3532059100	MANUAL PACKING ASSY VSC VX700-	
71	A-CD-VX700-3	3532059200	CD-ROM VSC A-CD-VX700-3	
72	M-WR-0828-0680	3610171100	SOCKET AC ASSY VX700	
73	M-WR-0828-0681	3670190300	WIRE WITH HOUSING 1007 #28 L35	KEY BD TO I/F
74	M-WR-0828-0682	3670190400	WIRE WITH HOUSING 1007 #28 L12	AUDIO TO I/F
75	M-WR-0828-0683	3670190500	WIRE WITH HOUSING 1007 #28 L24	
76	M-WR-0828-0684	3670190600	WIRE WITH HOUSING 1007 #28 L10	
77	M-WR-0828-0641	3670459102	WIRE WITH HOUSING 1007 #28 L=4	AUDIO/BD JA2
78	E-SK-0412-0070	3790193400	SPEAKER-R ASSY L17KMW05AAW	
79	E-SK-0412-0071	3790193500	SPEAKER-L ASSY L17KMW05AAW	
80	B-SB-0221-0458	4900502800	DC-AC INVERTER 12V/1900V 4L 17	
81	M-MS-0808-7742	5011086400	MANUAL QUICK START GUIDE VSC V	
82	M-LCD-0826-0133	5051700501	LCD 17" TFT PANEL	
83	B-AC-0215-0038	5600110046	LCD AUDIO BD ASSY L19EMW 05AAW	
84	B-IF-0222-0033	5600110051	LCD I/F BD ASSY L17KMW 05AAW	
85	B-KB-0207-0030	5600110075	LCD FUN KEY BD ASSY L17KMW 05A	
86	B-SB-0221-0450	5600200113	MICROPHONE BD ASSY	

10. Complete Parts List

VS Model Name: VX700-3

ITEM	VIEWSONIC P/N	REFERENCE NO.	DESCRIPTION
1	A-AD-0114-0181	0993023000	POWER 90-264VAC 12VDC 4.16A CO
2	A-PC-0106-0193	3070000501	AC POWER CORD L1800 BLACK EURO
3	A-AU-0120-0033	3080005100	CABLE AUDIO L=1800 BLK PC99
4	A-MC-0105-0017	3080005200	CABLE MICPHONE L=1800 BLK PC99
5	M-MS-0808-8033	3080412101	CABLE D-SUB TO D-SUB RGB BLK L
6	M-MS-0808-8041	3080412401	CABLE DVI-D/DVI-D SINGLE LINK
7	A-PC-0106-0229	3090119001	AC POWER CORD L1830 BLACK US
8	M-SCW-0824-0410	3100300600	SCREW M M3*0.5*6 PAN C S+P S20
9	M-SCW-0824-0433	3100301200	SCREW M M3*0.5*12 PAN C S+P S2
10	M-SCW-0824-0433	3100301200	SCREW M M3*0.5*12 PAN C S+P S2
11	M-SCW-0824-0690	3105051501	SCREW M #4-40*7 HEXH #4-40*3 S
12		3105051501	SCREW M #4-40*7 HEXH #4-40*3 S
13	M-SCW-0814-0691	3105120100	SCREW M M4*0.7*12 PAN C S+P S1
14	M-SCW-0814-0692	3105124000	SCREW M M4*0.7*6 PAN C S18C NI
15	M-SCW-0814-0693	3105124500	SCREW M M4*0.7*6 FF C S18C ZN
16	M-SCW-0814-0693	3105124500	SCREW M M4*0.7*6 FF C S18C ZN
17	M-SCW-0814-0693	3105124500	SCREW M M4*0.7*6 FF C S18C ZN
18	M-SCW-0824-0732	3109010900	SCREW T M3*0.5*4 BIND C S18C Z
19	M-SCW-0824-0413	3109011400	SCREW T M3*0.5*6 BIND C S18C Z
20	M-SCW-0824-0413	3109011400	SCREW T M3*0.5*6 BIND C S18C Z
21	M-SCW-0824-0413	3109011400	SCREW T M3*0.5*6 BIND C S18C Z
22	M-SCW-0824-0413	3109011400	SCREW T M3*0.5*6 BIND C S18C Z
23	M-SCW-0824-0413	3109011400	SCREW T M3*0.5*6 BIND C S18C Z
24	M-SCW-0824-0413	3109011400	SCREW T M3*0.5*6 BIND C S18C Z
25	M-SCW-0824-0413	3109011400	SCREW T M3*0.5*6 BIND C S18C Z
26	M-SCW-0824-0413	3109011400	SCREW T M3*0.5*6 BIND C S18C Z
27	M-SCW-0814-0694	3109015000	SCREW T ϕ 3*1.27*8 PAN C S20C
28	M-SCW-0824-0620	3109020500	SCREW T ϕ 4*1.6*10 PAN C S18C
29	M-SCW-0824-0620	3109020500	SCREW T ϕ 4*1.6*10 PAN C S18C
30	M-SCW-0824-0393	3109020700	SCREW T M4*0.7*8 PAN C S S18C
31	M-SCW-0824-0733	3109026000	SCREW T ϕ 4*1.27*12 FPH C S18C
32	M-SCW-0824-0733	3109026000	SCREW T ϕ 4*1.27*12 FPH C S18C
33	M-MS-0808-8040	3110250000	WASHER SPRING SWRT
34	M-MS-0808-8040	3110250000	WASHER SPRING SWRT
35	M-LB-0813-0712	3200449700	LABEL WARING
36	M-MS-0808-4686	3200462800	NAME PLATE AL+PC VSC 3-BIRD LO
37	M-MS-0808-8151	3200641801	NAME PLATE AL 43*6.9*1.15T VIE
38	M-LB-0813-0384	3200712700	LABEL CONTROL 100*90
39	M-LB-0813-0551	3200744000	LABEL BAR CODE 55*15 VSC-G
40	M-LB-0813-0696	3200753101	LABEL BAR CODE 76*121 VIEWSONI
41	M-LB-0813-0759	3200930800	LABEL VER. CONTROL 20*20 VIEWS
42	M-LB-0813-0758	3201942300	LABEL ID 160*43 VSC VX700-3
43	M-LB-0813-0700	3202207300	LABEL MIC IN 10.2*15
44	M-LB-0813-0714	3202310700	LABEL HV WARNING 100*25
45	M-MS-0808-7740	3211024600	MYLAR 408*326 T.2
46	M-MS-0808-8202	3220133600	TAPE W=10 #1350F-1 3M
47	M-MS-0808-6072	3220140600	TAPE W=37 #1350F-2 3M
48		3220605633	TAPE W=45 #7290 NITTO
49		3221101900	TAPE W=76 PP47 50M 4P

50		3221407510	TAPE W=7 VHB4926 E468
51		3240659901	INSULATOR 192.5*40*0.4T
52	PL-PD-0714-0067	3240956800	RUBBER FOOT 81*13*3T BLK
53	PL-PD-0714-0068	3240957500	RUBBER FOOT 75*10 T3
54	M-MS-0808-8155	3240959801	RUBBER HOLD PLUG OD5.2 H3.8 BL
55		3343705302	HSK AL T=1.5 21*9
56	C-BC-0302-0478	3360240400	CABINET BACK ABS 41 VX700-2
57		4020371607	PLASTIC ABS 94HB 41 D-180
58		4020371609	PLASTIC ABS 94HB 41 SD-0150
59		4020371614	PLASTIC ABS 94HB 41 PA-707
60	M-CV-0830-2381	3360916300	ARM FRONT ABS 41 VX700-2
61		4020371607	PLASTIC ABS 94HB 41 D-180
62		4020371609	PLASTIC ABS 94HB 41 SD-0150
63		4020371614	PLASTIC ABS 94HB 41 PA-707
64	M-CV-0830-2382	3360916400	ARM REAR ABS 41 VX700-2
65		4020371607	PLASTIC ABS 94HB 41 D-180
66		4020371609	PLASTIC ABS 94HB 41 SD-0150
67		4020371614	PLASTIC ABS 94HB 41 PA-707
68	C-FP-0301-0777	3361074001	F/B ABS SV-651 VX700-3
69		4020372907	PLASTIC ABS 94HB 5140 D-180
70		4020372908	PLASTIC ABS 94HB 5140 HF-380
71		4020372909	PLASTIC ABS 94HB 5140 SD-0150
72		4020372914	PLASTIC ABS 94HB 5140 PA-757
73	M-CV-0830-2384	3361204500	COVER BASE ABS 41 VX700-2
74		4020371607	PLASTIC ABS 94HB 41 D-180
75		4020371609	PLASTIC ABS 94HB 41 SD-0150
76		4020371614	PLASTIC ABS 94HB 41 PA-707
77	M-CV-0830-2385	3368205500	SPEAKER COVER ASSY L17KMW05AAW
78	PL-FK-0709-0114	3360727100	FUNCTION KEY ABS VSC02B S7LFA1
79		4020372907	PLASTIC ABS 94HB 5140 D-180
80		4020372908	PLASTIC ABS 94HB 5140 HF-380
81		4020372909	PLASTIC ABS 94HB 5140 SD-0150
82		4020372914	PLASTIC ABS 94HB 5140 PA-757
83	M-CV-0830-2383	3361204400	COVER SPEAKER ABS 41 VX700-2
84		4020371607	PLASTIC ABS 94HB 41 D-180
85		4020371609	PLASTIC ABS 94HB 41 SD-0150
86		4020371614	PLASTIC ABS 94HB 41 PA-707
87	C-BC-0302-0479	3368213600	R/C ASSY L17KMW05AAW
88	M-MS-0808-7739	3200648800	NAME PLATE ABS 94HB VIEWSONIC
89		4020371607	PLASTIC ABS 94HB 41 D-180
90		4020371609	PLASTIC ABS 94HB 41 SD-0150
91		4020371614	PLASTIC ABS 94HB 41 PA-707
92	C-BC-0302-0477	3360240100	R/C ABS VSC02B VX700-2
93		4020371607	PLASTIC ABS 94HB 41 D-180
94		4020371609	PLASTIC ABS 94HB 41 SD-0150
95		4020371614	PLASTIC ABS 94HB 41 PA-707
96	M-MS-0808-8159	3371004902	BRKT BASE SPCC T=2 ZN BLK
97		3371005203	BRACKET HINGE SPCC 128.1*156 T
98	M-MH-0822-0002	3371005500	BRACKET VESA MOUNTING SECC T=1
99	M-MH-0822-0004	3371005701	BRACKET KENSINGTON SECC T=1.2
100	M-MS-0808-8162	3421024500	CABLE CLAMP GROUNDING SPCC T.3

101	M-MH-0822-0005	3460141600	BRACKET D-SUB SECC 211.5*23.8
102	M-MH-0822-0006	3460141700	BRACKET PANEL SECC 388.2*310.6
103	M-MH-0822-0007	3460144800	BRACKET CONN SECC 41.7*30 T0.6
104	M-CV-0830-2386	3461222700	SHIELD CAN POWER SPTH 164.2*86
105	M-CV-0830-2387	3461222800	SHIELD CAN INTERFACE SPTH 214*
106	M-CV-0830-2388	3461222900	SHIELD CAN INVERTER SPTH 191.2
107	M-MS-0808-8163	3461750601	HINGE SUB ASSY R
108	M-MS-0808-8164	3461750701	HINGE SUB ASSY L
109		3463000700	CONDUCTIVE AL 15*25 T0.06
110		3463001100	CONDUCTIVE AL 25*60 T0.06
111		3463001100	CONDUCTIVE AL 25*60 T0.06
112		3463001100	CONDUCTIVE AL 25*60 T0.06
113		3463010500	CONDUCTIVE COPPER 18*6 T0.06
114		3472853200	CONDUCTIVE SPONGE 50*6*6.5
115	P-FM-0602-0764	3500084500	END BLOCK EPS (R) 500*250*180
116	P-FM-0602-0765	3500084600	END BLOCK EPS (L) 500*250*180
117	M-MS-0808-7674	3500932401	PE BAG 500*640 T=0.06 CLEAN
118		3510441700	TRAY 1136*1010*142H(INSIDE) VX
119		3510552000	TUBE 1126*1000*1050(H) LCD 17"
120		3510807600	ANGLE PAPER 2190*55*55
121		3510878500	CAP PAPER 1110*980*120
122	P-BX-0601-0786	3512234400	CARTON 476*263*522 VSC VX700-3
123		3520034700	PALLET FUMIGATED 982*1140*120
124	M-MS-0808-5135	3520082400	PE FILM t=0.02mm W=500
125		3520084000	PE SHEET 1800*1600*0.15
126	M-MS-0808-7748	3520087700	PE SHIELDING BAG 280*200
127		3520130500	DRYER 15G 80*60
128	PL-SP-0723-0002	3520142700	PLASTIC STRIP W=12 T.5 BLACK
129	M-MS-0808-7741	3532059100	MANUAL PACKING ASSY VSC VX700-
130	M-MS-0808-8396	3520094201	PE BAG 260*155*0.1T
131	M-MS-0808-7742	5011086400	MANUAL QUICK START GUIDE VSC V
132	A-CD-VX700-3	3532059200	CD-ROM VSC A-CD-VX700-3
133		3610171101	SOCKET AC ASSY L17KMW05AAW
134		3642312200	WIRE WITH TERMINAL 1015#18 BLK
135		3670190301	WIRE WITH HOUSING 20276 #30 L2
136	M-WR-0828-0682	3670190400	WIRE WITH HOUSING 1007 #28 L12
137	M-WR-0828-0683	3670190500	WIRE WITH HOUSING 1007 #28 L24
138	M-WR-0828-0684	3670190600	WIRE WITH HOUSING 1007 #28 L10
139		3670473700	WIRE WITH HOUSING 2547 #28 L47
140	E-SK-0412-0070	3790193400	SPEAKER-R ASSY L17KMW05AAW
141	E-SK-0412-0071	3790193500	SPEAKER-L ASSY L17KMW05AAW
142	B-SB-0221-0458	4900502800	DC-AC INVERTER 12V/1900V 4L 17
143	B-IF-0222-0033	5600110051	LCD I/F BD ASSY L17KMW 05AAW
144		0313151000	RES CH 1/4W 150 J 1206
145		0313151000	RES CH 1/4W 150 J 1206
146	E-R-0405-7041	0343000300	RES CH 1/10W ZERO J 0603
147	E-R-0405-7041	0343000300	RES CH 1/10W ZERO J 0603
148	E-R-0405-7041	0343000300	RES CH 1/10W ZERO J 0603
149	E-R-0405-7041	0343000300	RES CH 1/10W ZERO J 0603
150	E-R-0405-7041	0343000300	RES CH 1/10W ZERO J 0603
151	E-R-0405-7041	0343000300	RES CH 1/10W ZERO J 0603

152	E-R-0405-7041	0343000300	RES CH 1/10W ZERO J 0603
153	E-R-0405-7041	0343000300	RES CH 1/10W ZERO J 0603
154	E-R-0405-7041	0343000300	RES CH 1/10W ZERO J 0603
155	E-R-0405-6684	0343101300	RES CH 1/10W 100 J 0603
156	E-R-0405-6684	0343101300	RES CH 1/10W 100 J 0603
157	E-R-0405-6684	0343101300	RES CH 1/10W 100 J 0603
158	E-R-0405-6684	0343101300	RES CH 1/10W 100 J 0603
159	E-R-0405-6684	0343101300	RES CH 1/10W 100 J 0603
160	E-R-0405-6684	0343101300	RES CH 1/10W 100 J 0603
161	E-R-0405-6684	0343101300	RES CH 1/10W 100 J 0603
162	E-R-0405-6684	0343101300	RES CH 1/10W 100 J 0603
163	E-R-0405-6684	0343101300	RES CH 1/10W 100 J 0603
164	E-R-0405-6684	0343101300	RES CH 1/10W 100 J 0603
165	E-R-0405-6684	0343101300	RES CH 1/10W 100 J 0603
166	E-R-0405-6684	0343101300	RES CH 1/10W 100 J 0603
167	E-R-0405-6684	0343101300	RES CH 1/10W 100 J 0603
168	E-R-0405-6684	0343101300	RES CH 1/10W 100 J 0603
169	E-R-0405-6684	0343101300	RES CH 1/10W 100 J 0603
170	E-R-0405-6684	0343101300	RES CH 1/10W 100 J 0603
171	E-R-0405-6684	0343101300	RES CH 1/10W 100 J 0603
172	E-R-0405-6684	0343101300	RES CH 1/10W 100 J 0603
173	E-R-0405-7054	0343102300	RES CH 1/10W 1K J 0603
174	E-R-0405-7054	0343102300	RES CH 1/10W 1K J 0603
175	E-R-0405-6685	0343103300	RES CH 1/10W 10K J 0603
176	E-R-0405-6685	0343103300	RES CH 1/10W 10K J 0603
177	E-R-0405-6685	0343103300	RES CH 1/10W 10K J 0603
178	E-R-0405-6685	0343103300	RES CH 1/10W 10K J 0603
179	E-R-0405-6685	0343103300	RES CH 1/10W 10K J 0603
180	E-R-0405-6685	0343103300	RES CH 1/10W 10K J 0603
181	E-R-0405-6685	0343103300	RES CH 1/10W 10K J 0603
182	E-R-0405-6685	0343103300	RES CH 1/10W 10K J 0603
183	E-R-0405-6685	0343103300	RES CH 1/10W 10K J 0603
184	E-R-0405-6685	0343103300	RES CH 1/10W 10K J 0603
185	E-R-0405-6685	0343103300	RES CH 1/10W 10K J 0603
186	E-R-0405-6685	0343103300	RES CH 1/10W 10K J 0603
187	E-R-0405-6685	0343103300	RES CH 1/10W 10K J 0603
188	E-R-0405-6685	0343103300	RES CH 1/10W 10K J 0603
189	E-R-0405-6685	0343103300	RES CH 1/10W 10K J 0603
190	E-R-0405-6685	0343103300	RES CH 1/10W 10K J 0603
191	E-R-0405-6685	0343103300	RES CH 1/10W 10K J 0603
192	E-R-0405-6685	0343103300	RES CH 1/10W 10K J 0603
193	E-R-0405-6685	0343103300	RES CH 1/10W 10K J 0603
194	E-R-0405-6685	0343103300	RES CH 1/10W 10K J 0603
195	E-R-0405-6685	0343103300	RES CH 1/10W 10K J 0603
196	E-R-0405-6685	0343103300	RES CH 1/10W 10K J 0603
197		0343201300	RES CH 1/10W 200 J 0603
198		0343201300	RES CH 1/10W 200 J 0603
199	E-R-0405-7042	0343220300	RES CH 1/10W 22 J 0603
200	E-R-0405-7042	0343220300	RES CH 1/10W 22 J 0603
201	E-R-0405-7042	0343220300	RES CH 1/10W 22 J 0603
202	E-R-0405-7042	0343220300	RES CH 1/10W 22 J 0603

203	E-R-0405-7042	0343220300	RES CH 1/10W 22 J 0603
204	E-R-0405-7042	0343220300	RES CH 1/10W 22 J 0603
205	E-R-0405-6687	0343222300	RES CH 1/10W 2.2K J 0603
206	E-R-0405-6687	0343222300	RES CH 1/10W 2.2K J 0603
207	E-R-0405-6687	0343222300	RES CH 1/10W 2.2K J 0603
208		0343223300	RES CH 1/10W 22K J 0603
209		0343223300	RES CH 1/10W 22K J 0603
210		0343223300	RES CH 1/10W 22K J 0603
211		0343223300	RES CH 1/10W 22K J 0603
212	E-R-0405-7058	0343330300	RES CH 1/10W 33 J 0603
213	E-R-0405-7058	0343330300	RES CH 1/10W 33 J 0603
214	E-R-0405-7058	0343330300	RES CH 1/10W 33 J 0603
215	E-R-0405-7043	0343392300	RES CH 1/10W 3.9K J 0603
216	E-R-0405-6690	0343470300	RES CH 1/10W 47 J 0603
217	E-R-0405-6690	0343470300	RES CH 1/10W 47 J 0603
218	E-R-0405-6690	0343470300	RES CH 1/10W 47 J 0603
219	E-R-0405-6690	0343470300	RES CH 1/10W 47 J 0603
220	E-R-0405-7033	0343471300	RES CH 1/10W 470 J 0603
221	E-R-0405-7033	0343471300	RES CH 1/10W 470 J 0603
222	E-R-0405-7033	0343471300	RES CH 1/10W 470 J 0603
223	E-R-0405-7033	0343471300	RES CH 1/10W 470 J 0603
224	E-R-0405-7033	0343471300	RES CH 1/10W 470 J 0603
225	E-R-0405-7033	0343471300	RES CH 1/10W 470 J 0603
226	E-R-0405-7033	0343471300	RES CH 1/10W 470 J 0603
227	E-R-0405-7033	0343471300	RES CH 1/10W 470 J 0603
228	E-R-0405-7033	0343471300	RES CH 1/10W 470 J 0603
229	E-R-0405-7033	0343471300	RES CH 1/10W 470 J 0603
230	E-R-0405-7033	0343471300	RES CH 1/10W 470 J 0603
231	E-R-0405-7031	0343472300	RES CH 1/10W 4.7K J 0603
232	E-R-0405-7031	0343472300	RES CH 1/10W 4.7K J 0603
233	E-R-0405-7031	0343472300	RES CH 1/10W 4.7K J 0603
234	E-R-0405-7031	0343472300	RES CH 1/10W 4.7K J 0603
235	E-R-0405-7031	0343472300	RES CH 1/10W 4.7K J 0603
236	E-R-0405-7031	0343472300	RES CH 1/10W 4.7K J 0603
237	E-R-0405-7031	0343472300	RES CH 1/10W 4.7K J 0603
238	E-R-0405-7031	0343472300	RES CH 1/10W 4.7K J 0603
239	E-R-0405-7031	0343472300	RES CH 1/10W 4.7K J 0603
240	E-R-0405-7031	0343472300	RES CH 1/10W 4.7K J 0603
241		0343685300	RES CH 1/10W 6.8M J 0603
242		0343750300	RES CH 1/10W 75 J 0603
243		0343750300	RES CH 1/10W 75 J 0603
244		0343750300	RES CH 1/10W 75 J 0603
245		0343823300	RES CH 1/10W 82K J 0603
246		0619700605	RES ARRAY 1/16W 22 J 16P8R 4*1
247		0619700605	RES ARRAY 1/16W 22 J 16P8R 4*1
248		0619700605	RES ARRAY 1/16W 22 J 16P8R 4*1
249		0619700605	RES ARRAY 1/16W 22 J 16P8R 4*1
250		0619700605	RES ARRAY 1/16W 22 J 16P8R 4*1
251		0619700605	RES ARRAY 1/16W 22 J 16P8R 4*1
252		0619900705	RES ARRAY 10K J 8P4R 1206
253		0619900705	RES ARRAY 10K J 8P4R 1206

254		0619900712	RES ARRAY 10K J 8P4R 1206
255		0619900712	RES ARRAY 10K J 8P4R 1206
256		0730060412	CRYSTAL 14.318MHZ+-30PPM AT-49
257	E-FS-0410-0074	0841110702	FUSE F/P 4A 125V UL CSA
258		148121011303	CAP AL CP 16V 100U M 6.3*5.4
259		148121011303	CAP AL CP 16V 100U M 6.3*5.4
260		148121011303	CAP AL CP 16V 100U M 6.3*5.4
261		148121011303	CAP AL CP 16V 100U M 6.3*5.4
262		148121011303	CAP AL CP 16V 100U M 6.3*5.4
263		148121011303	CAP AL CP 16V 100U M 6.3*5.4
264		148121011303	CAP AL CP 16V 100U M 6.3*5.4
265		148121011308	CAP AL CP 16V 100U M 6.3*5.5
266		148121011308	CAP AL CP 16V 100U M 6.3*5.5
267		148121011308	CAP AL CP 16V 100U M 6.3*5.5
268		148121011308	CAP AL CP 16V 100U M 6.3*5.5
269		148121011308	CAP AL CP 16V 100U M 6.3*5.5
270		148121011308	CAP AL CP 16V 100U M 6.3*5.5
271		148121011308	CAP AL CP 16V 100U M 6.3*5.5
272	E-C-0404-4857	148124701303	CAP AL CP 16V 47U M 6.3*5.4
273	E-C-0404-4857	148124701303	CAP AL CP 16V 47U M 6.3*5.4
274	E-C-0404-4857	148124701303	CAP AL CP 16V 47U M 6.3*5.4
275		148124701308	CAP AL CP 16V 47U M 6.3*5.5
276		148124701308	CAP AL CP 16V 47U M 6.3*5.5
277		148124701308	CAP AL CP 16V 47U M 6.3*5.5
278		149121001108	CAP AL CP 16V 10U M 4*5.5
279		149121001133	CAP AL CP 16V 10U M 4*5.4
280		149122211333	.AP AL CP 16V 220U M 6.3*7.7
281		149122211333	.AP AL CP 16V 220U M 6.3*7.7
282		149124711408	CAP AL CP 16V 470U M 8*10.5
283		149124711408	CAP AL CP 16V 470U M 8*10.5
284	E-C-0404-4856	149124711433	CAP AL CP 16V 470U M 8*10
285	E-C-0404-4856	149124711433	CAP AL CP 16V 470U M 8*10
286		149142211408	CAP AL CP 25V 220U M 8*10.5
287		149142211408	CAP AL CP 25V 220U M 8*10.5
288		149142211433	CAP AL CP 25V 220U M 8*10
289		149142211433	CAP AL CP 25V 220U M 8*10
290	E-C-0404-4869	1511454000	CAP MC CP 50V .01U J X7R 0603
291	E-C-0404-4869	1511454000	CAP MC CP 50V .01U J X7R 0603
292	E-C-0404-4869	1511454000	CAP MC CP 50V .01U J X7R 0603
293	E-C-0404-4869	1511454000	CAP MC CP 50V .01U J X7R 0603
294	E-C-0404-4869	1511454000	CAP MC CP 50V .01U J X7R 0603
295	E-C-0404-4869	1511454000	CAP MC CP 50V .01U J X7R 0603
296	E-C-0404-4869	1511454000	CAP MC CP 50V .01U J X7R 0603
297	E-C-0404-4869	1511454000	CAP MC CP 50V .01U J X7R 0603
298	E-C-0404-4869	1511454000	CAP MC CP 50V .01U J X7R 0603
299	E-C-0404-4869	1511454000	CAP MC CP 50V .01U J X7R 0603
300	E-C-0404-4869	1511454000	CAP MC CP 50V .01U J X7R 0603
301	E-C-0404-4869	1511454000	CAP MC CP 50V .01U J X7R 0603
302	E-C-0404-4869	1511454000	CAP MC CP 50V .01U J X7R 0603
303	E-C-0404-4869	1511454000	CAP MC CP 50V .01U J X7R 0603
304	E-C-0404-4869	1511454000	CAP MC CP 50V .01U J X7R 0603

305	E-C-0404-4869	1511454000	CAP MC CP 50V .01U J X7R 0603
306	E-C-0404-4869	1511454000	CAP MC CP 50V .01U J X7R 0603
307	E-C-0404-4869	1511454000	CAP MC CP 50V .01U J X7R 0603
308	E-C-0404-4869	1511454000	CAP MC CP 50V .01U J X7R 0603
309	E-C-0404-4869	1511454000	CAP MC CP 50V .01U J X7R 0603
310	E-C-0404-4869	1511454000	CAP MC CP 50V .01U J X7R 0603
311	E-C-0404-4869	1511454000	CAP MC CP 50V .01U J X7R 0603
312	E-C-0404-4869	1511454000	CAP MC CP 50V .01U J X7R 0603
313	E-C-0404-4878	1511514000	CAP MC CP 50V 22P J C0G 0603
314	E-C-0404-4878	1511514000	CAP MC CP 50V 22P J C0G 0603
315	E-C-0404-4878	1511514000	CAP MC CP 50V 22P J C0G 0603
316	E-C-0404-4878	1511514000	CAP MC CP 50V 22P J C0G 0603
317	E-C-0404-4878	1511514000	CAP MC CP 50V 22P J C0G 0603
318	E-C-0404-4878	1511514000	CAP MC CP 50V 22P J C0G 0603
319	E-C-0404-4881	1514504000	CAP MC CP 50V 5P C C0G 0603
320	E-C-0404-4881	1514504000	CAP MC CP 50V 5P C C0G 0603
321		1547667100	CAP MC CP 16V 1U Z Y5V 0805
322		1547667100	CAP MC CP 16V 1U Z Y5V 0805
323		1547667100	CAP MC CP 16V 1U Z Y5V 0805
324		1547667100	CAP MC CP 16V 1U Z Y5V 0805
325		1547667100	CAP MC CP 16V 1U Z Y5V 0805
326		1547667100	CAP MC CP 16V 1U Z Y5V 0805
327		1547667100	CAP MC CP 16V 1U Z Y5V 0805
328		1547667100	CAP MC CP 16V 1U Z Y5V 0805
329		1547667100	CAP MC CP 16V 1U Z Y5V 0805
330		1552458000	CAP MC CP 25V .1U K X7R 0603
331		1552458000	CAP MC CP 25V .1U K X7R 0603
332		1552458000	CAP MC CP 25V .1U K X7R 0603
333		1552458000	CAP MC CP 25V .1U K X7R 0603
334		1552458000	CAP MC CP 25V .1U K X7R 0603
335		1552458000	CAP MC CP 25V .1U K X7R 0603
336		1552458000	CAP MC CP 25V .1U K X7R 0603
337		1552458000	CAP MC CP 25V .1U K X7R 0603
338		1552458000	CAP MC CP 25V .1U K X7R 0603
339		1552458000	CAP MC CP 25V .1U K X7R 0603
340		1552458000	CAP MC CP 25V .1U K X7R 0603
341		1552458000	CAP MC CP 25V .1U K X7R 0603
342		1552458000	CAP MC CP 25V .1U K X7R 0603
343		1552458000	CAP MC CP 25V .1U K X7R 0603
344		1552458000	CAP MC CP 25V .1U K X7R 0603
345		1552458000	CAP MC CP 25V .1U K X7R 0603
346		1552458000	CAP MC CP 25V .1U K X7R 0603
347		1552458000	CAP MC CP 25V .1U K X7R 0603
348		1552458000	CAP MC CP 25V .1U K X7R 0603
349		1552458000	CAP MC CP 25V .1U K X7R 0603
350		1552458000	CAP MC CP 25V .1U K X7R 0603
351		1552458000	CAP MC CP 25V .1U K X7R 0603
352		1552458000	CAP MC CP 25V .1U K X7R 0603
353		1552458000	CAP MC CP 25V .1U K X7R 0603
354		1552458000	CAP MC CP 25V .1U K X7R 0603
355		1552458000	CAP MC CP 25V .1U K X7R 0603

356		1552458000	CAP MC CP 25V .1U K X7R 0603
357		1552458000	CAP MC CP 25V .1U K X7R 0603
358		1552458000	CAP MC CP 25V .1U K X7R 0603
359		1552458000	CAP MC CP 25V .1U K X7R 0603
360		1552458000	CAP MC CP 25V .1U K X7R 0603
361		1552458000	CAP MC CP 25V .1U K X7R 0603
362		1552458000	CAP MC CP 25V .1U K X7R 0603
363		1552458000	CAP MC CP 25V .1U K X7R 0603
364		1552458000	CAP MC CP 25V .1U K X7R 0603
365		1552458000	CAP MC CP 25V .1U K X7R 0603
366		1552458000	CAP MC CP 25V .1U K X7R 0603
367		1552458000	CAP MC CP 25V .1U K X7R 0603
368		1552458000	CAP MC CP 25V .1U K X7R 0603
369		1552458000	CAP MC CP 25V .1U K X7R 0603
370		1552458000	CAP MC CP 25V .1U K X7R 0603
371		1552458000	CAP MC CP 25V .1U K X7R 0603
372		1552458000	CAP MC CP 25V .1U K X7R 0603
373		1552458000	CAP MC CP 25V .1U K X7R 0603
374		1552458000	CAP MC CP 25V .1U K X7R 0603
375		1552458000	CAP MC CP 25V .1U K X7R 0603
376		1552458000	CAP MC CP 25V .1U K X7R 0603
377		1552458000	CAP MC CP 25V .1U K X7R 0603
378		1552458000	CAP MC CP 25V .1U K X7R 0603
379		1552458000	CAP MC CP 25V .1U K X7R 0603
380		1552458000	CAP MC CP 25V .1U K X7R 0603
381		1552458000	CAP MC CP 25V .1U K X7R 0603
382		1552458000	CAP MC CP 25V .1U K X7R 0603
383		202351080105	DIO SBD 3A 40V DO-201AD
384	E-D-0403-2053	203812540836	DIO ZEN 0.5W 5.45-5.73V LLDS(M
385	E-D-0403-2053	203812540836	DIO ZEN 0.5W 5.45-5.73V LLDS(M
386	E-D-0403-2053	203812540836	DIO ZEN 0.5W 5.45-5.73V LLDS(M
387	E-D-0403-2053	203812540836	DIO ZEN 0.5W 5.45-5.73V LLDS(M
388	E-D-0403-2053	203812540836	DIO ZEN 0.5W 5.45-5.73V LLDS(M
389	E-D-0403-2053	203812540836	DIO ZEN 0.5W 5.45-5.73V LLDS(M
390	E-D-0403-2050	204520700205	DIO SW 0.215A 70V SOT-23 SE.
391	E-D-0403-2050	204520700205	DIO SW 0.215A 70V SOT-23 SE.
392	E-D-0403-2050	204520700205	DIO SW 0.215A 70V SOT-23 SE.
393	E-D-0403-2050	204520700205	DIO SW 0.215A 70V SOT-23 SE.
394	E-D-0403-2050	204520700205	DIO SW 0.215A 70V SOT-23 SE.
395	E-D-0403-2050	204520700205	DIO SW 0.215A 70V SOT-23 SE.
396	E-D-0403-2050	204520700205	DIO SW 0.215A 70V SOT-23 SE.
397		204520700207	DIO SW 0.215A 75V SOT-23 SE.
398		204520700207	DIO SW 0.215A 75V SOT-23 SE.
399		204520700207	DIO SW 0.215A 75V SOT-23 SE.
400		204520700207	DIO SW 0.215A 75V SOT-23 SE.
401		204520700207	DIO SW 0.215A 75V SOT-23 SE.
402		204520700207	DIO SW 0.215A 75V SOT-23 SE.
403		204520700207	DIO SW 0.215A 75V SOT-23 SE.
404		204520700217	DIO SW 0.2A 70V SOT-23 SE.
405		204520700217	DIO SW 0.2A 70V SOT-23 SE.
406		204520700217	DIO SW 0.2A 70V SOT-23 SE.

407		204520700217	DIO SW 0.2A 70V SOT-23 SE.
408		204520700217	DIO SW 0.2A 70V SOT-23 SE.
409		204520700217	DIO SW 0.2A 70V SOT-23 SE.
410		204520700217	DIO SW 0.2A 70V SOT-23 SE.
411		204520700305	DIO SW 0.2A 70V SOT-23 C.C.
412		204520700305	DIO SW 0.2A 70V SOT-23 C.C.
413		204520700307	DIO SW 0.215A 75V SOT-23
414		204520700307	DIO SW 0.215A 75V SOT-23
415		204520700317	DIO SW 0.2A 70V SOT-23 C.C.
416		204520700317	DIO SW 0.2A 70V SOT-23 C.C.
417	E-Q-0402-1087	210522000405	TR 40V 0.2A SOT-23 100-300
418	E-Q-0402-1087	210522000405	TR 40V 0.2A SOT-23 100-300
419	E-Q-0402-1087	210522000405	TR 40V 0.2A SOT-23 100-300
420	E-Q-0402-1087	210522000405	TR 40V 0.2A SOT-23 100-300
421	E-Q-0402-1087	210522000405	TR 40V 0.2A SOT-23 100-300
422	E-Q-0402-1087	210522000405	TR 40V 0.2A SOT-23 100-300
423	E-Q-0402-1180	210522000417	TR 40V 0.2A SOT-23 100-300
424	E-Q-0402-1180	210522000417	TR 40V 0.2A SOT-23 100-300
425	E-Q-0402-1180	210522000417	TR 40V 0.2A SOT-23 100-300
426	E-Q-0402-1180	210522000417	TR 40V 0.2A SOT-23 100-300
427	E-Q-0402-1180	210522000417	TR 40V 0.2A SOT-23 100-300
428	E-Q-0402-1180	210522000417	TR 40V 0.2A SOT-23 100-300
429		211522000205	TR -40V -0.2A SOT-23 100-300
430		211522000205	TR -40V -0.2A SOT-23 100-300
431		211522000217	TR -40V -0.2A SOT-23 100-300
432		211522000217	TR -40V -0.2A SOT-23 100-300
433		243600600031	FET -20V -3.4A 0.075ohm SO-8P
434	E-Q-0402-1551	243601100017	FET -30V -8.8A 0.02ohm SO-8
435	E-Q-0402-1552	243601100031	FET -30V -8.0A 0.02ohm SO-8
436		2500075813	IC VOLT/REG 5V 3A D2PAK-5P(TO-
437		2500080410	IC REGU LDO ADJ 3A DPAK
438		2500080541	IC REGU ADJ 3A TO-252
439		2500088136	IC VOL DETECTOR 4.4V SOT-23
440		2500092109	IC VOLT/REGU 5V 3A TO-263-5
441		2500223009	IC REGU 3.3V 1A SMD-8P
442		2500223009	IC REGU 3.3V 1A SMD-8P
443		2530192427	IC IMAGE PROCESSOR PQFP-208P
444	E-IC-0401-1931	2540005008	IC TRANSMITTER TSSOP-56P
445	E-IC-0401-1931	2540005008	IC TRANSMITTER TSSOP-56P
446	E-IC-0401-1932	2540170021	IC LVDS I/F TSSOP-56P
447	E-IC-0401-1932	2540170021	IC LVDS I/F TSSOP-56P
448		2540317134	IC LVDS X'CEVIER 28:4 85MHZ TS
449		2540317134	IC LVDS X'CEVIER 28:4 85MHZ TS
450		2600088009	IC HEX INVERTER SOIC-14
451	E-IC-0401-2704	2610049742	IC CMOS 2K EEPROM SO8
452	E-IC-0401-2687	2610099337	IC EEPROM 1K SO-8
453	E-IC-0401-2688	2610099942	IC EEPROM 1K*8 SO-8
454	E-IC-0401-2689	2610188212	IC E2PROM 16K 5V 8PIN
455	E-IC-0401-2690	2610188612	IC EEPROM 16K SOIC-8P
456	E-IC-0401-2691	2610380523	IC FLASH MEMORY 128K*8 70NS PL
457	E-IC-0401-2692	2610452084	IC F-EEPROM 128K*8 90NS PLCC32

458		2817123010	CHOKE CR 100uH L
459		2921093612	CORE BEAD 100MHZ 120 OHM 0.2A
460		2921093612	CORE BEAD 100MHZ 120 OHM 0.2A
461		2921093612	CORE BEAD 100MHZ 120 OHM 0.2A
462		2921093612	CORE BEAD 100MHZ 120 OHM 0.2A
463		2921093612	CORE BEAD 100MHZ 120 OHM 0.2A
464		2921093612	CORE BEAD 100MHZ 120 OHM 0.2A
465		2921093612	CORE BEAD 100MHZ 120 OHM 0.2A
466		2921093612	CORE BEAD 100MHZ 120 OHM 0.2A
467		2921093612	CORE BEAD 100MHZ 120 OHM 0.2A
468		2921093612	CORE BEAD 100MHZ 120 OHM 0.2A
469		2921093612	CORE BEAD 100MHZ 120 OHM 0.2A
470		2921093612	CORE BEAD 100MHZ 120 OHM 0.2A
471		2921093612	CORE BEAD 100MHZ 120 OHM 0.2A
472		2921093612	CORE BEAD 100MHZ 120 OHM 0.2A
473		2921093612	CORE BEAD 100MHZ 120 OHM 0.2A
474		2921093612	CORE BEAD 100MHZ 120 OHM 0.2A
475		2921113212	CORE BEAD 100MHZ 120 OHM 4A 12
476		2921113212	CORE BEAD 100MHZ 120 OHM 4A 12
477		2921113212	CORE BEAD 100MHZ 120 OHM 4A 12
478		2921113212	CORE BEAD 100MHZ 120 OHM 4A 12
479		2921113212	CORE BEAD 100MHZ 120 OHM 4A 12
480		2921113212	CORE BEAD 100MHZ 120 OHM 4A 12
481		2921113212	CORE BEAD 100MHZ 120 OHM 4A 12
482		2921113212	CORE BEAD 100MHZ 120 OHM 4A 12
483		2921113212	CORE BEAD 100MHZ 120 OHM 4A 12
484		2921113212	CORE BEAD 100MHZ 120 OHM 4A 12
485		2921113212	CORE BEAD 100MHZ 120 OHM 4A 12
486		2921113212	CORE BEAD 100MHZ 120 OHM 4A 12
487		2921113212	CORE BEAD 100MHZ 120 OHM 4A 12
488		2921113212	CORE BEAD 100MHZ 120 OHM 4A 12
489		2921113212	CORE BEAD 100MHZ 120 OHM 4A 12
490		2921113212	CORE BEAD 100MHZ 120 OHM 4A 12
491		2921113212	CORE BEAD 100MHZ 120 OHM 4A 12
492		2921113212	CORE BEAD 100MHZ 120 OHM 4A 12
493		2970035401	PWB M0 L4 FR-4 140*117 (I/F BD
494		3020015200	SOCKET IC 32P P1.27 SMD
495		3070337934	WAFER 2.0mm 11P R-ANGLE
496		3075308757	CONN D-SUB 15P R/A PC99 W/O SC
497		3075316128	CONN DVI-D 94V0 24P R/A GOLD F
498		3076151434	PIN HEADER PBT 94V0 2*15P P2.0
499		3076265034	HEADER BOX PBT 94V0 2*5P P2.0
500		3202009100	LABEL REISTRATION 40*16
501		3202215900	LABEL MCU 11*11 POLYESTER 50#
502		3670470700	WIRE WITH HOUSING 1007 #24 L25
503		3670704600	WIRE WITH HOUSING 1007 #28 L20
504	B-KB-0207-0030	5600110075	LCD FUN KEY BD ASSY L17KMW 05A
505	M-MS-0808-8179	2301462531	LED HI-RED/GRN 3*4*2 C.C.
506		2970036001	PWB S1 FR-1 28.5*180 (KEY BD)
507		3000093900	SWITCH TACTILE DPST
508		3000093900	SWITCH TACTILE DPST

509		3000093900	SWITCH TACTILE DPST
510		3000093900	SWITCH TACTILE DPST
511		3000093900	SWITCH TACTILE DPST
512		3000093900	SWITCH TACTILE DPST
513		3000093900	SWITCH TACTILE DPST
514		3000093900	SWITCH TACTILE DPST
515		3070337934	WAFER 2.0mm 11P R-ANGLE
516		3122009500	HOLDER FOR LED NY66 UL94V-2 6*
517	M-WR-0828-0224	3411000300	JUMP WIRE BRASS 0.6*7.5*4.0
518	M-WR-0828-0402	4010670000	WIRE CU 0.6 TNC
519	B-SB-0221-0450	5600200113	MICROPHONE BD ASSY
520		0990601015	MICROPHONE ASSY -46+-4dB L=150
521		2973007402	PWB D0 L2 FR-4 15.5*60 (MICROP
522		3072230200	CONN PHONE JACK OD3.5 7P VERTI
523		3072230300	CONN PHONE JACK OD3.5 7P VERTI

Reader's Response

Dear Readers:

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

Assessment

A. What do you think about the content after reading **VX700-3** series Service Manual?

<i>Unit</i>	<i>Excellent</i>	<i>Good</i>	<i>Fair</i>	<i>Bad</i>
Engineering Specifications				
Panel Control Description				
Circuit Description				
Troubleshooting Flow Chart				
Adjust Procedure				
Mechanical Assembly				
Schematic Diagrams				
PCB Layout				
Recommended Spare Parts List				
Complete Parts List				

B. Are you satisfied with the **VX700-3** service manual?

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

C. Do you have any other opinion or suggestion about this service manual?

Reader's basic data:

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

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