

Service Manual

ViewSonic VE175-2 VE175b-2

Model No. VLCDS23895-6W/7W

17" Color TFT LCD Display

**QDI (A2KYYWW00001 ~ 50000)
(A2UYYWW00001 ~ 50000)**

**CPT (A2KYYWW50001 ~ 99999)
(A2UYYWW50001 ~ 99999)**

(VE175-2/ VE175b-2_SM_746 - Rev. 1b – Aug. 2003)

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Revision History

Revision	Date	Description Of Changes	Approval
1a	17/06/02	Initial Release DCN- 2251	WANGJE
1b	14/08/03	Revised DCN- 3760	Teddy.Liaw

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1. Precautions and Safety Notices

1.1. SAFETY PRECAUTIONS

This monitor is manufactured and tested on a ground principle that a user's safety comes first. However, improper use or installation may cause damage to the monitor as well as to the user. Carefully go over the following WARNINGS before installing and keep this guide handy.

WARNINGS:

- ◆ This monitor should be operated only at the correct power sources indicated on the label on the rear end of the monitor. If you're unsure of the power supply in your residence, consult your local dealer or Power Company.
- ◆ Do not try to repair the monitor your self as it contains no user-serviceable parts. This monitor should only be repaired by a qualified technician.
- ◆ Do not remove the monitor cabinet. There is high-voltage parts inside that may cause electric shock to human bodies, even when the power cord is unplugged.
- ◆ Stop using the monitor if the cabinet is damaged. Have it checked by a service technician.
- ◆ Put your monitor only in a clean, dry environment. If it gets wet, unplug the power cable immediately and consult your service technician.
- ◆ Always unplug the monitor before cleaning it. Clean the cabinet with a clean, dry cloth. Apply non-ammonia based cleaner onto the cloth, not directly onto the glass screen.
- ◆ Keep the monitor away from magnetic objects, motors, TV sets, and transformer.
- ◆ Do not place heavy objects on the monitor or power cord.

1.2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety visual inspections and the protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltages, wattage, etc. Before replacing any of these components read the parts list in this manual carefully. The use of substitute replacement parts which do not have the same safety characteristics as specified in the parts list may create shock, fire, or other hazards.

1.3. SERVICE NOTES

1. When replacing parts or circuit boards, clamp the lead wires around terminals before soldering.
2. When replacing a high wattage resistor (more than 1W of metal oxide film resistor) in circuit board, keep the resistor about 5mm away from circuit board.
3. Keep wires away from high voltage, high temperature components and sharp edges.
4. Keep wires in their original position so as to reduce interference.
5. Usage of this product please refers to also user's manual.

2. Specification

2.1. PRODUCT SPECIFICATIONS

LCD Panel	17.0" TFT
Power Management	Energy Star compliant VESA DPMS compatible < 2W
Displayable Resolution	SXGA 1280× 1024 (max.)
Pixel Dimension	0.264(H)× 0.264(V)mm
LCD Display Color	16.2M Color Max. (6bit + FRC)
Viewing Angle	CR 10 Horizontal: 70°+70° Vertical: -65°+65°
Tilt	+90°, -3°
Contrast Ratio	450 : 1 (typ.) 360:1 (min.)
Brightness	240 cd/ m ² (min.) 300 cd/m ² (typ.)
Response Time	Tr: 9 ms Tf: 16 ms (typ.) Tr: 18 ms Tf: 32 ms (max.)
Active Display Area	337.920mm(H)× 270.336mm(V)
Temperature	Operating: 0°C ~ +40°C Storage: -20°C ~ +60°C
Compliance	UL 1950, cUL, EN60950, FCC-B, CE MARK, TÜV/GS, TCO99, CB.
Power	Input Voltage: 100~240 Vac Consumption: 50 Watts (Max.)

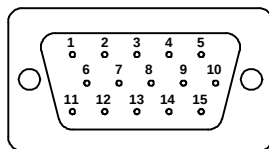
2.2. FACTORY SUPPORTING MODES

Primary Preset:	VESA 1280 x 1024 @ 60Hz
Look up table timing:	1. IND 640 x 350 @ 70Hz, 31.47kHz, -/+ 2. IND 720 x 400 @ 70Hz, 31.467kHz, +/- 3. VESA 640 x 480 @ 60Hz, 31.469kHz, -/- 4. VESA 640 x 480 @ 72Hz, 37.861kHz, -/- 5. VESA 640 x 480 @ 75Hz, 37.5kHz, -/- 6. MAC 640 x 480 @ 67Hz, 35kHz. 7. VESA 800 x 600 @ 56Hz, 35.156kHz, +/+ 8. VESA 800 x 600 @ 60Hz, 37.879kHz, +/+ 9. VESA 800 x 600 @ 72Hz, 48.077kHz, +/+

10. VESA 800 x 600 @ 75Hz, 46.875kHz, +/+
11. MAC 832 x 624 @ 75Hz, 49.725kHz.
12. VESA 1024 x 768 @ 60Hz, 48.363kHz, -/-
13. VESA 1024 x 768 @ 70Hz, 56.476kHz, -/-
14. VESA 1024 x 768 @ 72Hz, 58.036kHz, -/-
15. VESA 1024 x 768 @ 75Hz, 60.023kHz, +/+
16. MAC 1024 x 768 @ 75Hz, 60.241kHz.
17. VESA 1280 x 1024 @ 60Hz, 63.981kHz, +/+
18. VESA 1280 x 1024 @ 75Hz, 79.976kHz, +/+
19. MAC 1152 x 870 @ 75Hz, 68.6kHz.

2.3. D-SUB CONNECTOR

D-SUB 15 PIN CONNECTOR

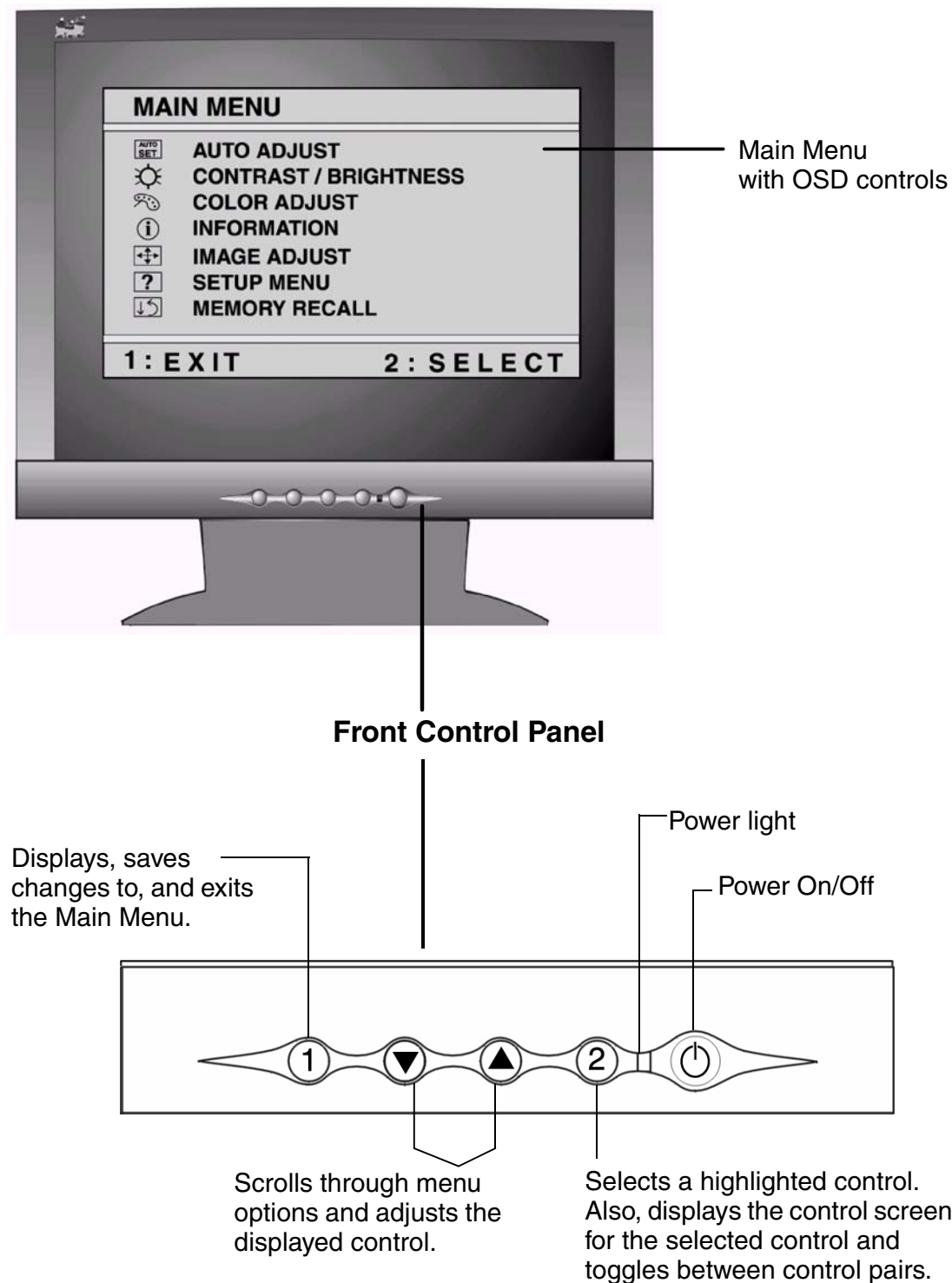


1.R	6.GND	11.NC
2.G	7.GND	12.SDA
3.B	8.GND	13.H.SYNC
4.NC	9. +5V	14.V.SYNC
5.GND	10.GND	15.SCL

SIGNAL LEVEL

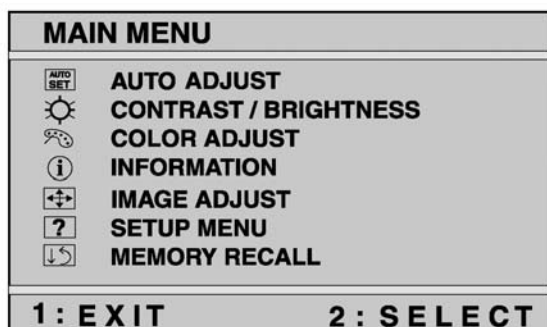
CONNECTOR	SIGNAL	DESCRIPTION
R	RED	0.7vp-p(VIDEO)
G	GREEN	0.7vp-p(VIDEO)
B	BLUE	0.7vp-p(VIDEO)
H	H/SYNC	TTL positive or negative
V	V/SYNC	TTL positive or negative
SDA	DDC1/2B	TTL
SCL	DDC1/2B	TTL

3. Front Panel Function Control Description



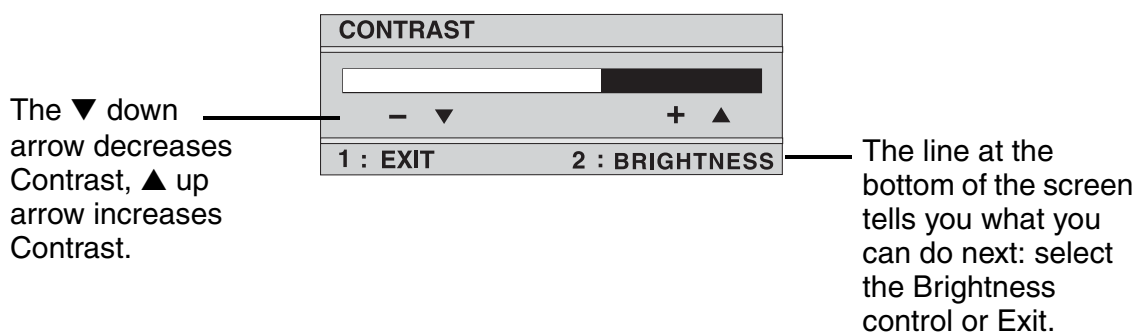
Do the following to adjust the screen image:

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



NOTE: All OSD menus and adjustment screens disappear automatically after about 30 seconds. This time period is adjustable through the Setup menu and the OSD timeout control described.

- 2 To highlight a control you want to adjust, press ▲ or ▼ to scroll up or down the Main Menu.
- 3 To select the highlighted control, press button [2]. A control screen appears like the example shown below.



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

The following tips may help you optimize your display:

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

Main Menu Controls

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

Control	Explanation
	Auto Adjust automatically sizes, centers, and fine tunes the video signal to eliminate waviness and distortion. Press the [2] button to obtain a sharper image. NOTE: Auto Adjust works with most common video cards. If this function does not work on your LCD display, then lower the video refresh rate to 60 Hz and set the resolution to its pre-set value.
	Contrast adjusts the difference between the image background (black level) and the foreground (white level).
	Brightness adjusts background black level of the screen image.
	Color Adjust provides several color options: preset color temperatures and User which allows you to adjust red (R), green (G), and blue (B). The factory setting for this product is 6500K (6500 Kelvin). User — Individual adjustments for red, green, and blue. 5400K — Adds blue and green to the screen image for a darker color. 6500K — Adds red to the screen image for warmer white and richer red. Default setting. 9300K — Adds blue to the screen image for cooler white (used in most office settings with fluorescent lighting). 1 To select color (R, G or B) press button [2]. 2 To adjust selected color, press ▲ or ▼. 3 When you are finished making all color adjustments, press button [1] <i>twice</i>.
	Information displays the timing mode (video signal input) coming from the graphics card in your computer. See your graphic card's user guide for instructions on changing the resolution and refresh rate (vertical frequency). VESA 1280 x 1024 @ 60 Hz (recommended) means that the resolution is 1280 x 1024 and the refresh rate is 60 Hertz.

Control Explanation



Image Adjust



The Image Adjust controls are explained below:



H./V. Position adjusts horizontal and vertical position of the screen image. You can toggle between Horizontal and Vertical by pressing button [2]. Horizontal moves the screen image to the left or to the right. Vertical moves the screen image up and down.



H. Size (Horizontal Size) adjusts the width of the screen image. Vertical size is automatic with your LCD display.



Fine Tune sharpens focus by aligning the illuminated text and/or graphic characters.

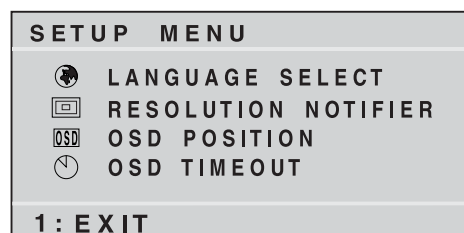
Try the **Auto Adjust** (see page 9) before using the **Fine Tune** control.



Sharpness adjusts the clarity and focus of the screen image.



Setup Menu displays the menu shown below:



The Setup Menu controls are explained below:



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

Control Explanation



Resolution Notifier advises the optimal resolution to use.

Resolution Notice

For best picture quality
change the resolution to
1280 x 1024

1 : Clear Message

2 : Disable Message



OSD Position allows you to move the on-screen display menus and control screens.



OSD Timeout sets the length of time an on-screen display screen is displayed. For example, with a “15 second” setting, if a control is not pushed within 15 seconds, the display screen disappears.



Memory Recall returns adjustments to the original factory settings if the display is operating in a factory Preset Timing Mode listed in this user guide.

Short Cut Key

Function Key : 5 Key → **[1]** ▽ △ **[2]** ⏻

[1] : Show OSD Menu or Exit OSD Menu.

▽ : Select down or decrease.(-)

△ : Select up or increase(+).

[2] : Select Or Enter.

[2] : Auto adjust. (When No OSD)

⏻ : Power On/Off.

[1] + ▽ = Power key lock / unlock.

[1] + △ = OSD lock / unlock.

[1] + ▽ + △ = Auto White Balance.

(Remark: recommend to use 5-Disc full white pattern)

▽ + △ = Recall Contrast and Brightness. (Don' t show OSD)

▽ + △ + No Signal = Enter Burn in mode

△ + **[2]** + ⏻ (Power On) = Enter Maintain mode.

4. Circuit Description

A. DC-DC CONVERTER

The DC-DC converter converts the 12V input voltage to 5V for panel use, and 3.3V and 1.8V for controller use. It consists of a PWM IC (LM2596), flywheel Diode (B340), buck choke (L108), and capacitor C173.

I102 (LM2596) is a PWM generator working at 150KHz.

Self protection features include a two stage frequency reducing current limit for the output switch and an over temperature shutdown for complete protection under fault condition.

B. Scaling controller

The ADC is used to convert RGB analog signal to digital signal that scaling chip can acknowledge.

The HSYNC input receives a logic signal and provides the frequency reference for pixel clock generation.

The scaling IC converts the input signal ranging from VGA to SXGA into SXGA resolution that panel can acknowledge. When power is first applied, the ADE3XXX is asynchronously reset. The uC typically programs the ADE3XXX with a number of default values and sets up the ADE3XXX to identify activity on any of the input pins. All preconfigured values and RAMs, such as line-lock PLL settings, OSD characters, LCD timing values (output sequencer), scale kernels, gamma curves, sRGB color warp, APC dithering, output pin configuration (OMUX), etc. can be preloaded into the ADE3XXX. The typical end state is that the ADE3XXX is initialized into a low power mode, ready to turn active once the power button is pressed. When the monitor has been powered on, the inputs can be monitored for active video sources. Based on the activity monitors, the uC chooses an input or power down state.

Once an input source is selected, all available information on frequencies and line/pixel counts is measured for the selected source and made available to the uC.

MTV312M64

The MTV312M micro-controller is an 8051 CPU core embedded device especially tailored for CRT/LCD Monitor applications. It includes an 8051 CPU core, 1024-byte SRAM, 14 built-in PWM DACs, VESA DDC interface, 4-channel A/D converter, and a 64K-byte internal program Flash-ROM.

A "CMOS output pin" means it can sink and drive at least 4mA current. It is not recommended to use such pin as input function.

An "open drain pin" means it can sink at least 4mA current but only drive 10~20uA to VDD. It can be used as input or output function and needs an external pull up resistor.

A "8051 standard pin" is a pseudo open drain pin. It can sink at least 4mA current when output is at low level and drive at least 4mA current for 160nS when output transits from low to high, then keep driving at 100uA to maintain the pin at high level. It can be used as input or output function. It needs an external pull up resistor when driving heavy load devices.

POWER CONFIGURATION

The MTV312M can work on either 5V or 3.3V power supply system.

In 5V power system, the VDD pin is connected to 5V power and the VDD3 needs an external capacitor, all output pins can swing from 0~5V, input pins can accept 0~5V input range.

The ADC conversion range is 5V. However, X1 and X2 pins must be kept below 3.3V.

In 3.3V power system, the VDD and VDD3 are connected to 3.3V power, all output pins swing from 0~3.3V, HSYNC, VSYNC and open drain pin can accept 0~5V input range, other pins must be kept below 3.3V. The ADC conversion range is 3.3V.

C. INVERTER

In order to drive the CCFLs embedded in the panel module, there is a ROYER inverter to convert the input 12V up to hundreds of AC voltage output.

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

The input stage consists of a PWM controller, buck choke, and switching MOSFET to convert DC input into AC output.

The output stage consists of a tuning capacitor, transformer, and push-pull transistor pair to boost ac output up to hundreds of voltage.

There is also one resistor in series with the lamp for output current feedback.

A 6-pin connector is the only interface to control the inverter.

Pin 5/6 is 12V input, pin 1/2 is the returns, pin 3 is the control of output current, and pin 4 is the enable/disable control.

5. Adjusting Procedure

5.1. ADJUSTMENT CONDITIONS AND PRECAUTIONS

1. Approximately 30 minutes should be allowed for warm up before proceeding.
2. Adjustments should be undertaken only on those necessary elements since most of them have been carefully preset at the factory.
3. ESD protection is needed before adjustment.

5.2. MAIN ADJUSTMENTS

NO.	FUNCTION	DESIGNATION
1.	WHITE BALANCE	FUNCTION KEY
2.	GEOMETRY	FUNCTION KEY

5.3. ALIGNMENT PROCEDURES

Adjustment Conditions and Precautions:

- (A). Power supply voltage:
AC 110/120V $\pm$ 10% 60 Hz $\pm$ 5%, AC 220/240V $\pm$ 10% 50 Hz $\pm$ 5%.
- (B). Warm up time:
The display must be powered ON for at least 30 minutes at full white pattern before starting alignments.
This is especially critical in color temperature and white balance adjustments.
- (C). Signals: reference the front detail specifications and timing table.
Video: reference the front detail specifications.

1. Adjustment of White Balance:

- A. TIMING: 1280x1024 64KHz/60Hz.
- B. PATTERN: 5 Blocks.
- C. LCD MONITOR set to 1280x1024 80K/75Hz BURN IN and warm up over 30 minutes.
- D. CA110 color analyzer at the center of screen and along a perpendicular to the screen at 20cm from the display.
- E. Power turn off, Press “▲” and “**2**” and turn on power at the same time after power LED is on, release “▼” and “**2**” key, Then press “**1**” key go to factory mode. (Fig.1)



(Fig.1)

- F. Adjust Color Temperature:
(1) EEPROM INIT (5 BLOCKS):
Press “▼” key move cursor to EEPROM INIT, Press “**2**” key then monitor will INIT ADC value.

- (2) Press “▲” key move cursor to “White Balance”, Press “2” key for white balance adjustment.
- (3) Press “▼” key move cursor to “Color Temperature Adjust”, Press “2” key, Then OSD will display Fig.2

WHITE BALANCE									
03/01/28 V0.1 JT178LP97									
WHITE BALANCE					EEPROM INIT.				
GAIN	R	117	G	113	B	111			
OFFSET	R	138	G	135	B	112			
9300 K	R	57	G	100	B	127			
6500 K	R	100	G	100	B	100			
5400 K	R	81	G	110	B	39			
☉ Now		160	MAX	160	MIN	100			
☼ Now		255	MAX	255	MIN	20			
OFFSET-s	R	128	G	128	B	128			
1 : EXIT					2 : SELECT				

(Fig.2)

- (4) 9300K verify: move cursor to 9300K Press “2” key.
Press “▼”, “▲” key adjust R.G.B value
x=0.283 ±0.03
y=0.298 ±0.03
Press “1” key return to Fig.2
- (5) 6500K verify: Repeat (4) press “▼”, “▲” move cursor to 6500K press “2” key
x=0.310 ±0.03
y=0.330 ±0.03
Y 240 cd/m²
- (6) 5400K verify: Repeat (4) press “▼”, “▲” move cursor to 5400K press “2” key
x=0.332 ±0.03
y=0.348 ±0.03
- (7) Press “1” key go back to Fig.2, Then press “1” key return to Fig.1, Power key OFF/ON quit factory mode.

G. Color Temperature & Luminance Verify:

BRIGHTNESS MAX, CONTRAST MAX

9300K: x=0.283 ±0.03 y=0.298 ±0.03

6500K: x=0.310 ±0.03 y=0.330 ±0.03 Y 240 cd/m²

5400K: x=0.332 ±0.03 y=0.348 ±0.03

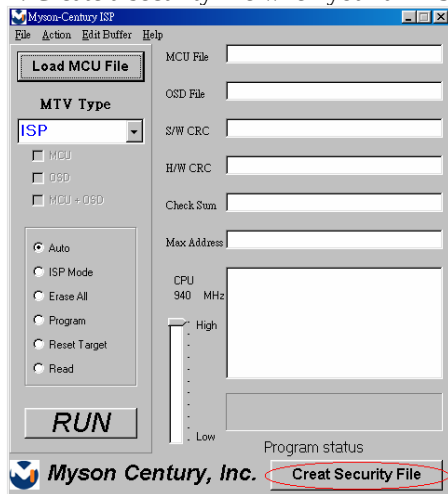
2. Geometry:

- (a). Set cross-hatch pattern and preset timing as timing table listed.
- (b). Change to each mode in turn and wait for the monitor finish auto-alignment and save process before change to next mode.
- (c). After all of modes are adjusted, exit OSD menu and press PWR OFF to exit factory mode.

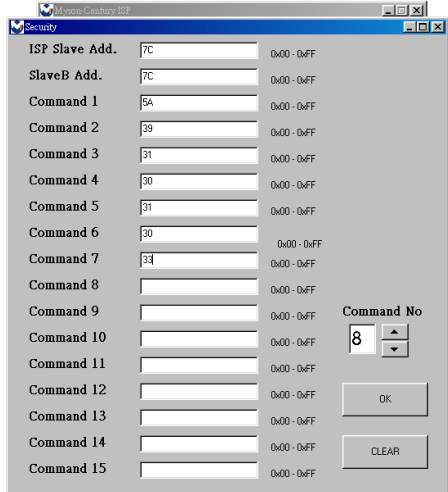
5.4. ISP MODE

< How to use Myson ISP tool >

1. Install the “Myson ISP S/W”
2. Create a security file when you run “ISP tool” first time.

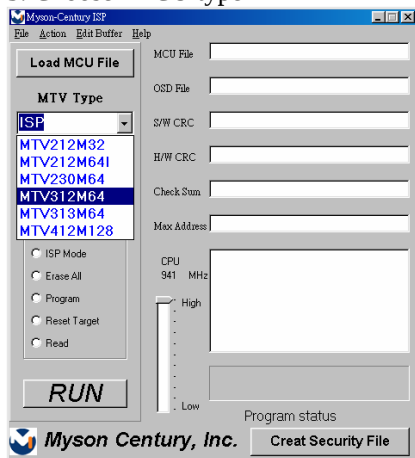


Choose **8** commands and enter the security code.



Security code: **7C , 7C , 5A , 39 , 31 , 30 , 31 , 30 , 33**

3. Choose ‘MCU type’



We use **MTV312M64**

4. Load MCU file
Choose the Hex file that you’re going to load.

You need to reload the hex file after you change its contents.

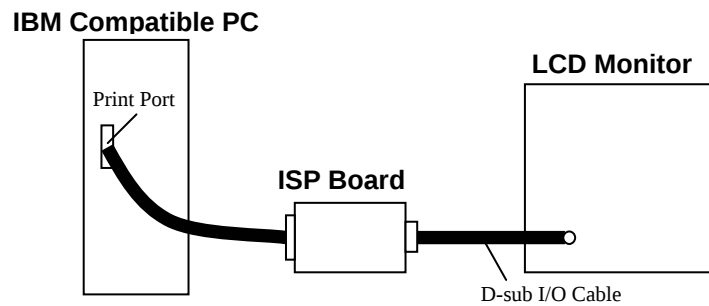
5. Before loading the code into MCU, you need to check following:

- a. AC power On
- b. S/W power is OFF (This makes you easy to enter ISP mode)
- c. D-Sub cable has been connected to ISP board correctly.

6. DO NOT disconnect D-sub cable or power off while you're loading the code.

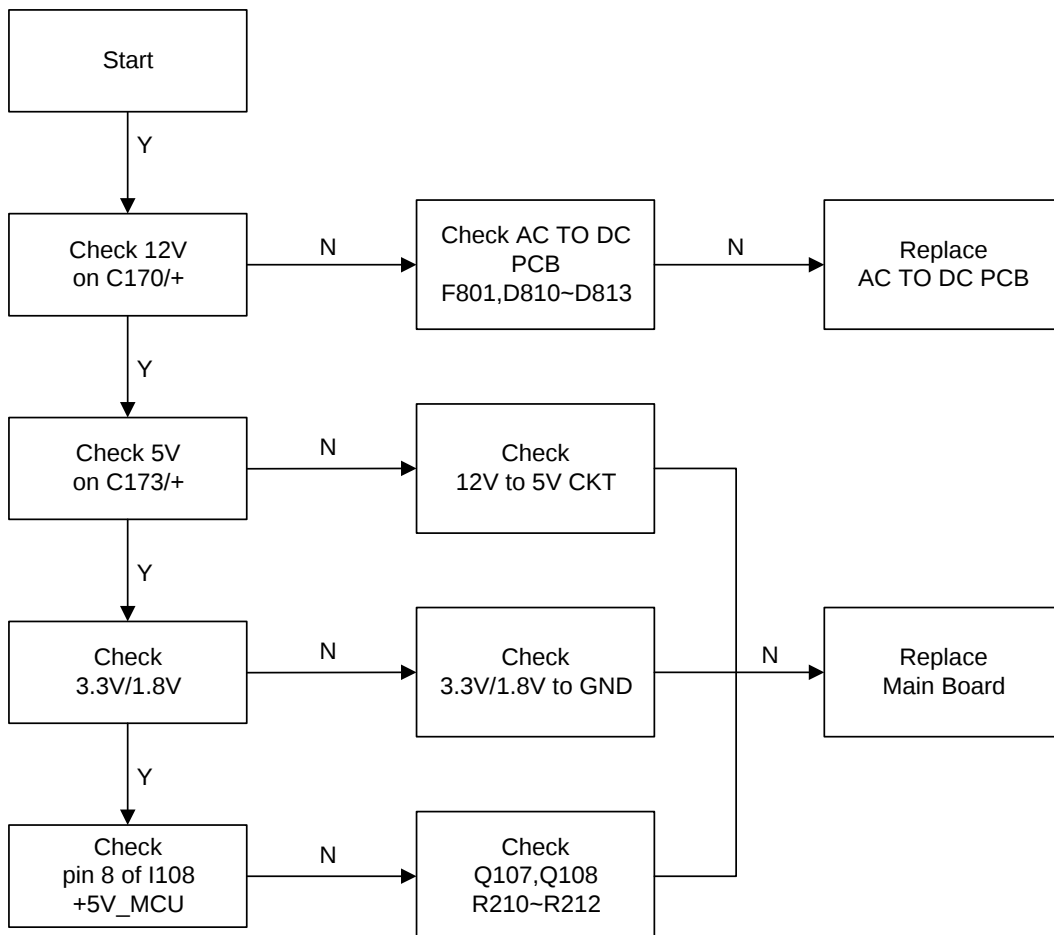
7. You can adjust ISP speed to meet your PC.

8. Hardware Connect

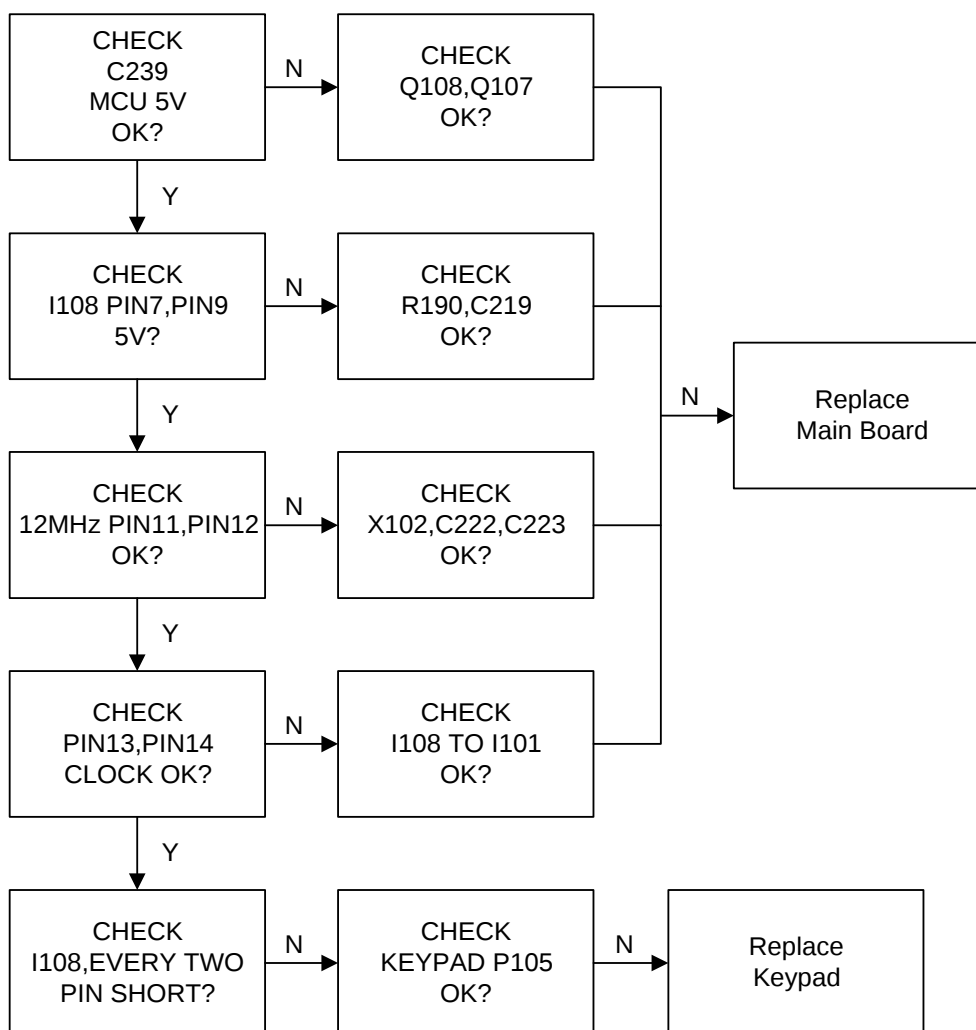


6. TROUBLE SHOOTING FLOW CHART

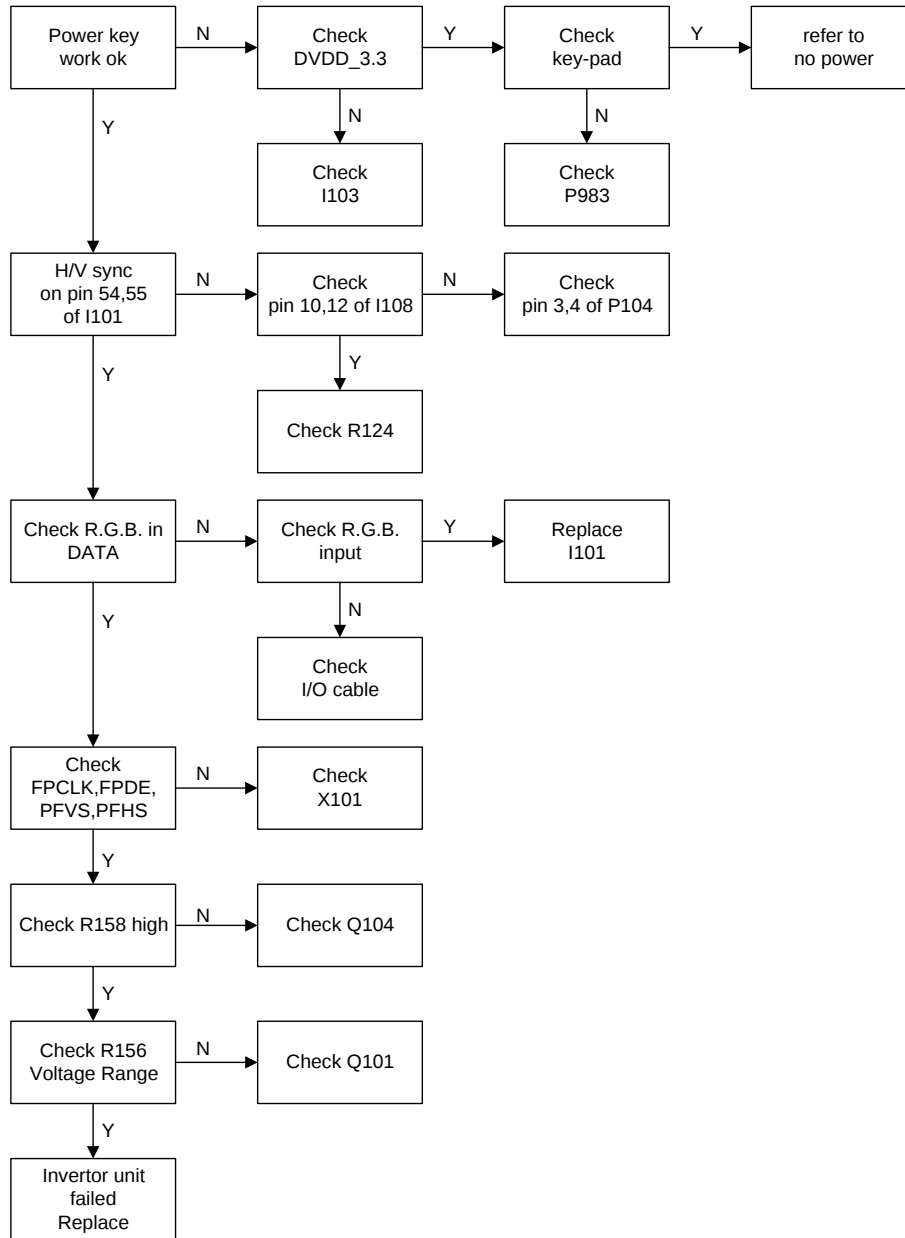
6.1. NO POWER



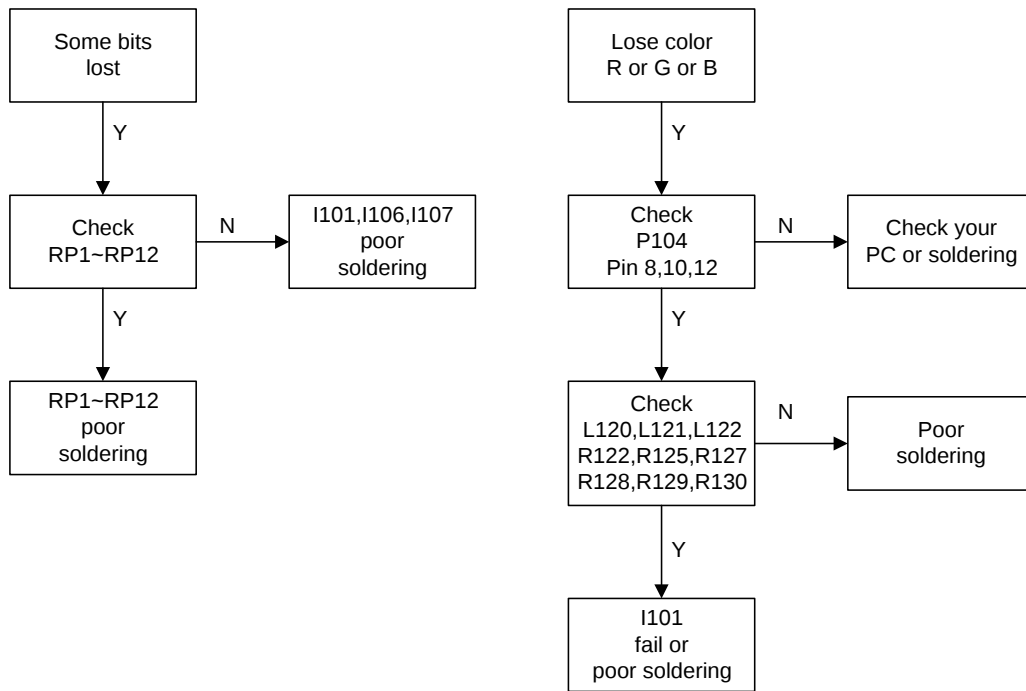
6.2. MCU NO FUNCTION



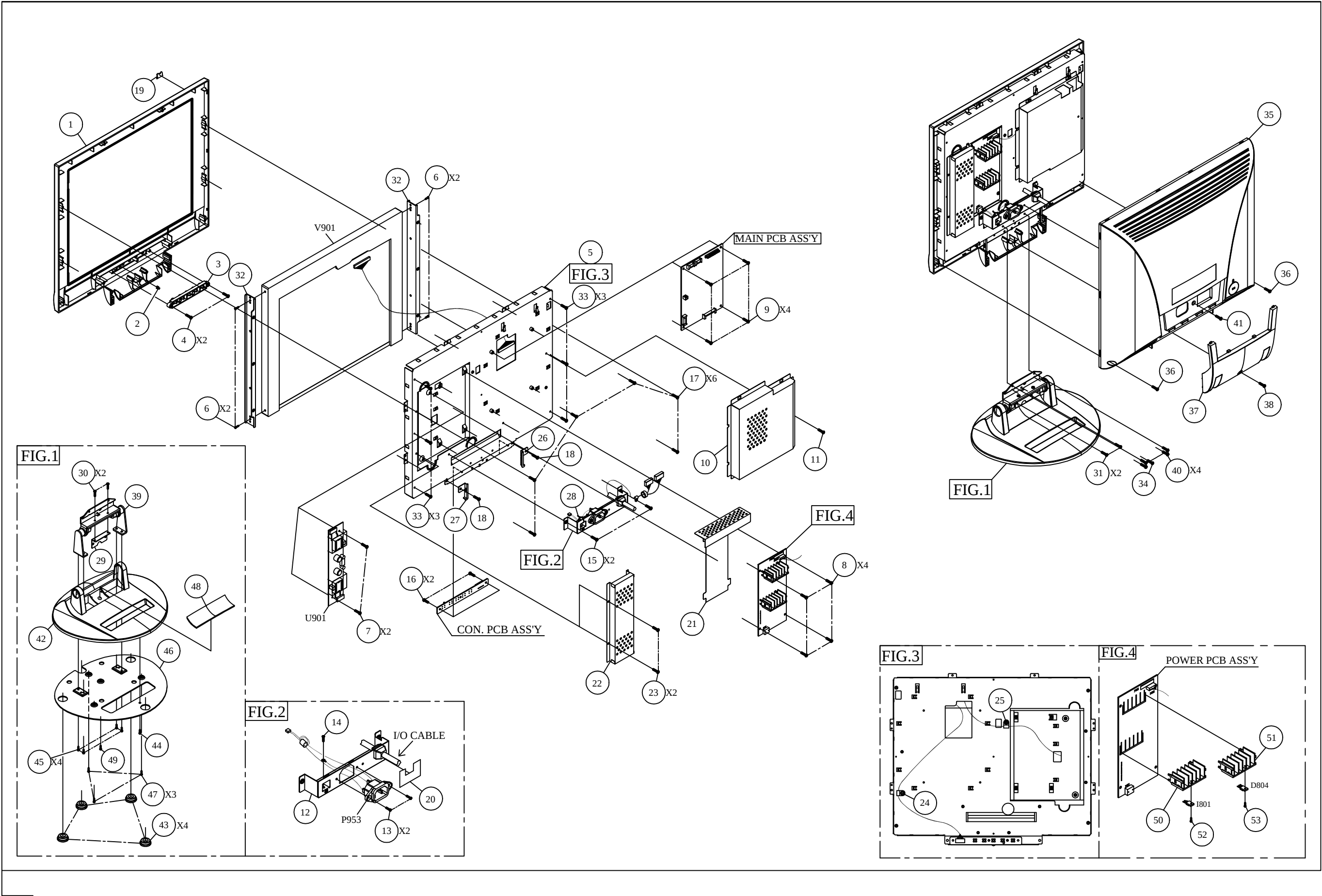
6.3. NO DISPLAY

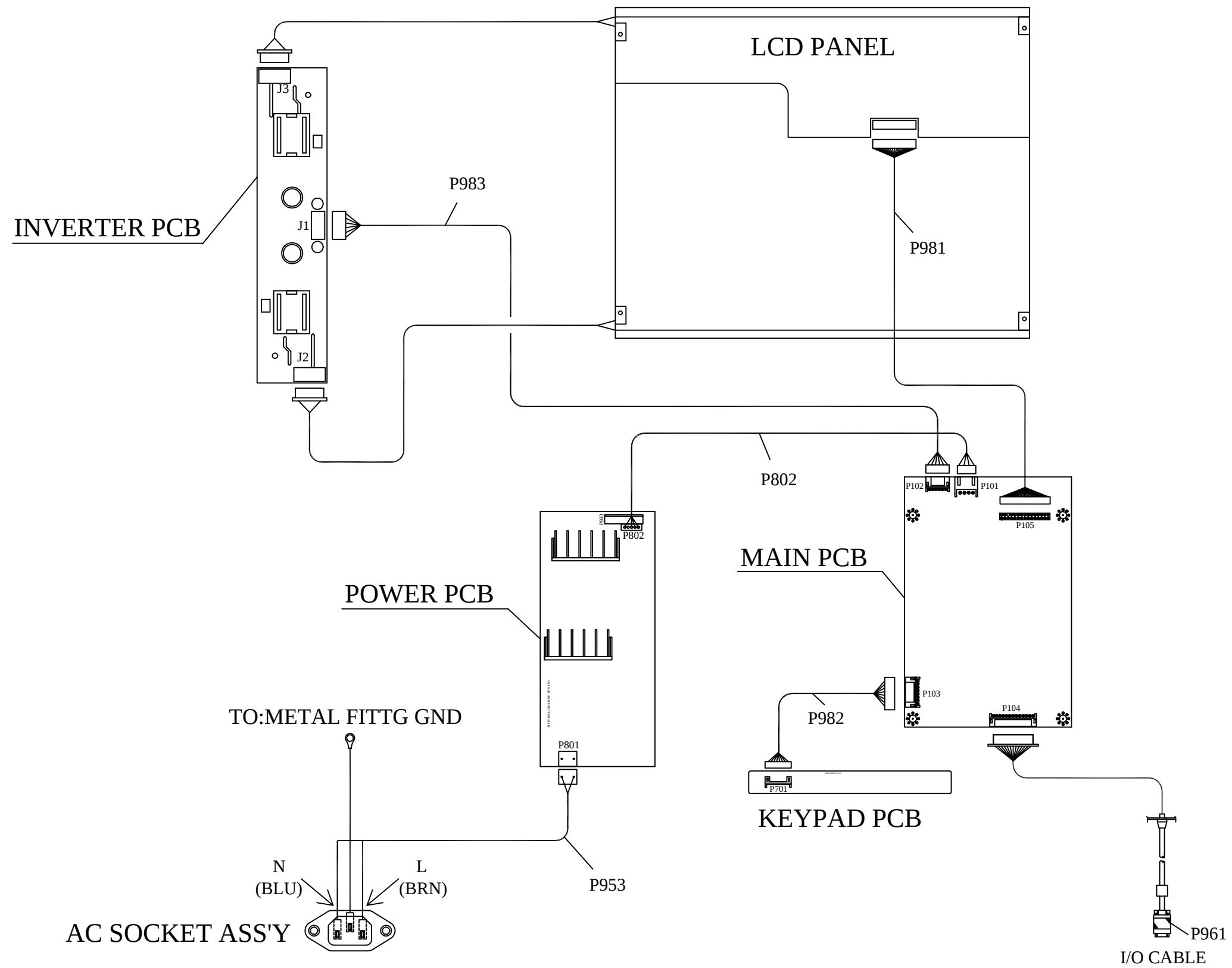


6.4. MISSING COLOR



7. Exploded Diagram



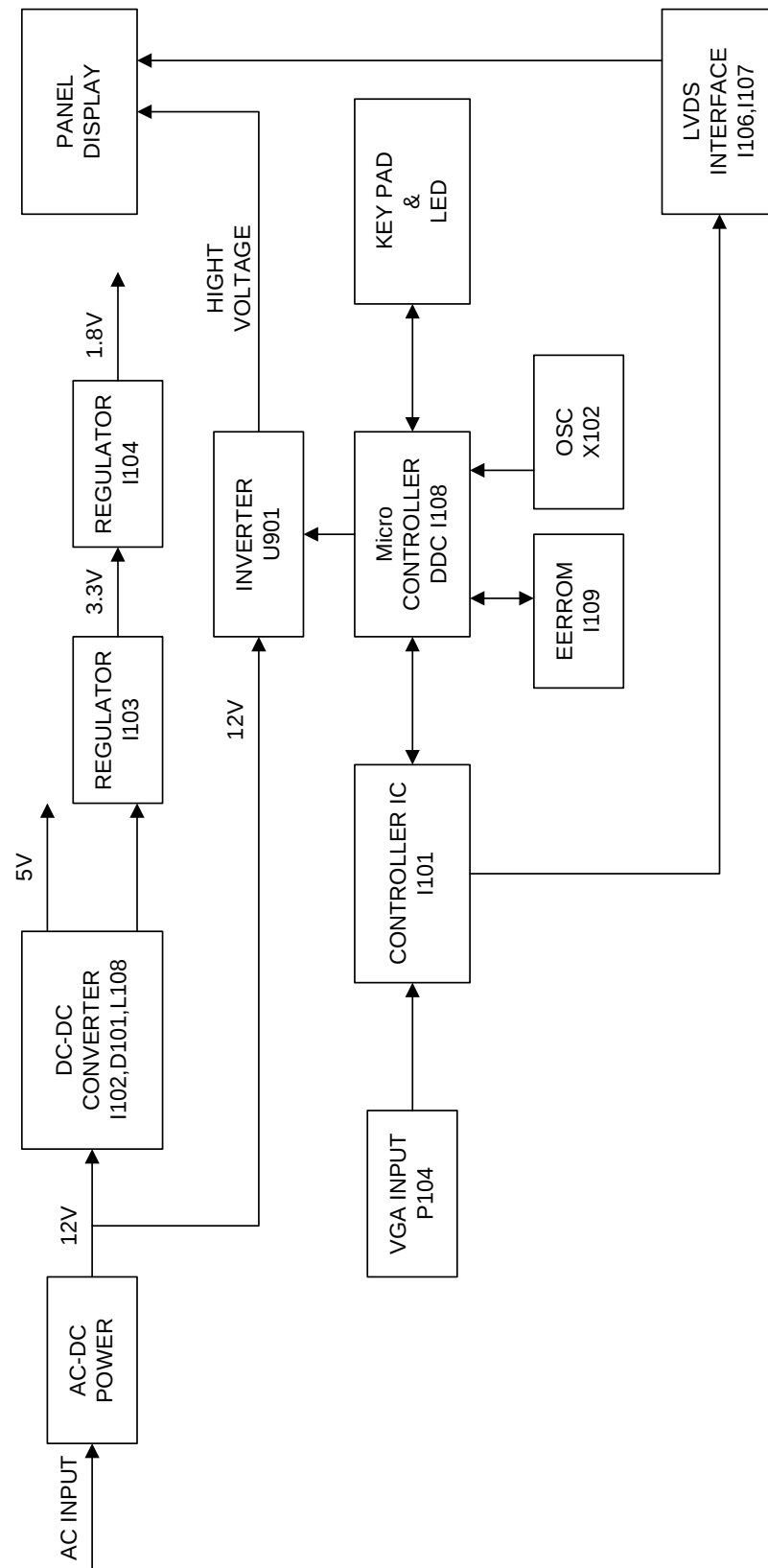


8. Exploded Parts List

Exploded Parts List (VE175-2/VE175b-2 QDI & CPT Panel)

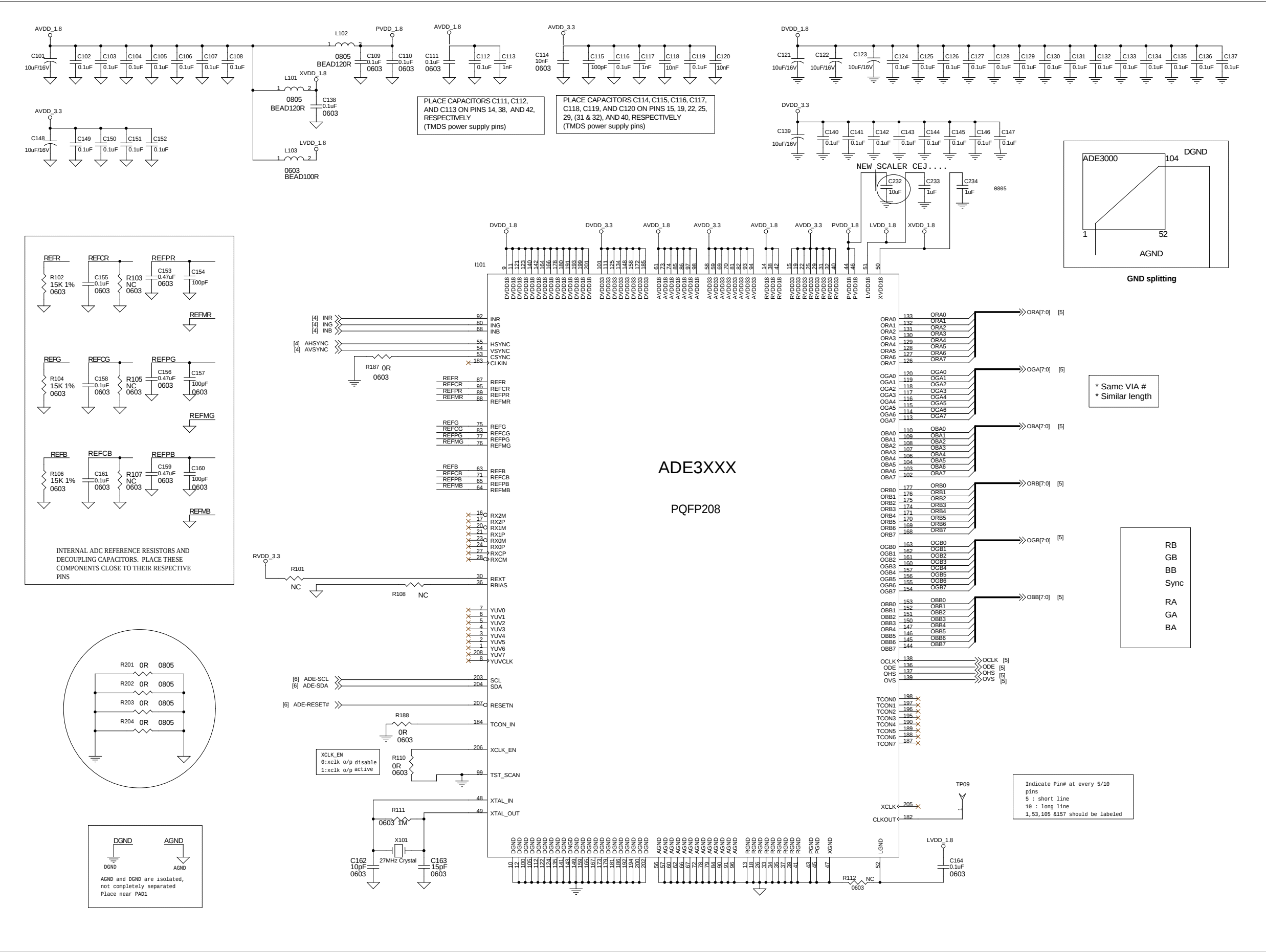
Item	ViewSonic P/N	Ref. P/N	Description	Location	Q'TY	Remark
1-1	C-FP-0301-0934	2024263002	FRONT BEZEL PC+ABS 94 V0 GY7521	1F01	1	VE175-2
1-2	C-FP-0301-0153	2024263004	FRONT BEZEL PC+ABS 94V0 MIDNIGHT GRAY	1F01	1	VE175b-2
2	M-MS-0808-8180	2053751901	LED INDIC.-PWR VE150-2/PMMA 94HB	1F02	1	
3-1	PL-FK-0707-0137	2044260901	FUNCTION KEY VE150-2/ABS 94V0 GY7521	1F03	1	VE175-2
3-2	PL-BT-0706-0147	2044260904	FUNCTION KEY ABS 94V0 MIDNIGHT GRAY	1F03	1	VE175b-2
4	M-SCW-0824-0122	2084730102	SCREW,BND T+ M3X10(BND T+)	1F04	2	
5	M-BK-0805-0009	2071961402	METAL FITTG SECC T=1.0 VE175(2) ST	1F05	1	
6	M-SCW-0824-6715	2080002200	SCREW,SPE L355 M3x6 DH NICKEL-PLATED	1F06	4	
7	M-SCW-0824-6719	2082630062	SCREW M3X6 P=0.5	1F07	2	
8	M-SCW-0824-6719	2082630062	SCREW M3X6 P=0.5	1F08	4	
9	M-SCW-0824-6719	2082630062	SCREW M3X6 P=0.5	1F09	4	
10	M-MS-0808-1420	2071663201	SHIELD PLATE SPTe t=0.3(Main board-ST)	1F10	1	
11	M-SCW-0824-6719	2082630062	SCREW M3X6 P=0.5	1F11	1	
12	M-BK-0805-0008	2071960201	METAL FITTG SECC t=0.8 NON-P.S.M	1F12	1	
13	M-SCW-0824-6716	2080002400	SCREW,SPE VE155/3x8 STAND	1F13	2	
14	M-SCW-0824-0493	2085740082	SCREW,B OTW+ M4X8	1F14	1	
15	M-SCW-0824-6718	2081430082	SCREW,(WASH) M3X8 P=0.5(TOOTH,WASHER)	1F15	2	
16	M-SCW-0824-6719	2082630062	SCREW M3X6 P=0.5	1F16	2	
17	M-SCW-0824-0285	2084730082	SCREW,BND T+ M3X8(BND T+)	1F17	6	
18	M-SCW-0824-0123	2084740102	SCREW,BND T+ M4X10(BND T+)	1F18	2	
19	M-MS-0808-4026	2051350200	NAME PLATE JD144V3 VIEWSONIC 3BIRDS AL	1F19	1	
20-1	M-MS-0808-1619	2063451101	ADHESI SHEET 27.2x42.4 PVC COLOR:GREY	1F20	1	VE175-2
20-2	M-MS-0808-1664	2063451102	ADHESI SHEET 27.2x42.4 PVC COLOR:BLACK	1F20	1	VE175b-2
21	M-MS-0808-8182	2072452601	INSULATOR VE800 PC FR-700 0.2t FOR POWER	1F21	1	
22	M-MS-0808-1389	2071662800	SHIELD PLATE SPTe t=0.3mm VE175	1F22	1	
23	M-SCW-0824-6719	2082630062	SCREW M3X6 P=0.5	1F23	2	
24	M-SCW-0824-6719	2082630062	SCREW M3X6 P=0.5	1F24	1	
25	M-SCW-0824-6719	2082630062	SCREW M3X6 P=0.5	1F25	1	
26	M-BK-0805-0006	2071859600	BRACKET, FIX SECC t=1.0mm VE175	1F26	1	
27	M-BK-0805-0007	2071859700	BRACKET, FIX SECC t=1.0mm VE175	1F27	1	
28	PL-HD-0705-0116	2074191000	HOLDER JK1461 JEAN	1F28	1	
29	M-BK-0805-0004	2071859200	BRACKET, FIX SECC t=1.0	1F29	1	
30	M-SCW-0824-6719	2082630062	SCREW M3X6 P=0.5	1F30	2	
31	M-SCW-0824-0123	2084740102	SCREW,BND T+ M4X10(BND T+)	1F31	2	
32	M-BK-0805-0002	2071864900	BRACKET, FIX SECC T=1.2MM VE175-2	1F34	2	
33	M-SCW-0824-6719	2082630062	SCREW M3X6 P=0.5	1F35	6	
34	M-SCW-0824-0261	2084730142	SCREW,BND T+ M3X14(BND T+)	1F70	1	
35-1	C-BC-0302-0409	2022259202	CABI BACK PC+ABS 94 V0 GY7521	2C01	1	VE175-2
35-2	C-BC-0302-0410	2022259205	CABI BACK PC+ABS MIDNIGHT GRAY NON-STAMP	2C01	1	VE175b-2
36-1	M-SCW-0824-0123	2084740102	SCREW,BND T+ M4X10(BND T+)	2C03	2	VE175-2
36-2	M-SCW-0824-0123	2084740102	SCREW,BND T+ M4X10(BND T+)	2C03	2	VE175b-2
37-1	M-MS-0808-1364	2026252601	CASE ABS 94 HB GY7521	2C04	1	VE175-2
37-2	M-MS-0808-1074	2026252603	CASE ABS 94HB MIDNIGHT GRAY	2C04	1	VE175b-2
38	M-SCW-0824-0123	2084740102	SCREW,BND T+ M4X10(BND T+)	2C05	1	
39	M-MS-0808-1314	2106653500	HINGE TORQUE 20~60 KGF -5°~90°	2C20	1	
40	M-SCW-0824-6717	2081430062	SCREW,(WASH) M3X6 P=0.5(TOOTH WASHER)	2C21	4	
41-1	M-SCW-0824-0285	2084730082	SCREW,BND T+ M3X8(BND T+)	2C22	1	VE175-2
41-2	M-SCW-0824-0416	2084730084	SCREW,BND T+ M3X8(BND T+) (BLK)	2C22	1	VE175b-2
42-1	PL-PS-0715-0186	2028254801	STAND VE800 ABS 94HB/GY7521	5B01	1	VE175-2
42-2	PL-PS-0715-0187	2028254803	STAND ABS 94HB MIDNIGHT GRAY	5B01	1	VE175b-2
43-1	PL-PD-0714-0058	2039802301	FOOT PAD CR 420xφ16.5x5.8	5B02	4	VE175-2
43-2	PL-PD-0714-0058	2039802301	FOOT PAD CR 420xφ16.5x5.8	5B02	4	VE175b-2
44	M-SCW-0824-6719	2082630062	SCREW M3X6 P=0.5	5B03	1	
45	M-SCW-0824-6722	2087340106	SCREW,B SPW+ 4X10(+)SWRM-3 ZMC2-C	5B05	4	
46	M-BK-0805-0003	2071859301	BRACKET, FIX VE800 SECC 2.0t FOR STAND	5B06	1	
47	M-SCW-0824-6721	2084740082	SCREW,BND T+ M4X8(BND T+)	5B07	3	
48-1	M-MS-0808-1362	2027255301	DUST COVER VE800 ABS 94HB/GY7521 STAND	5B08	1	VE175-2
48-2	M-MS-0808-1315	2027255303	DUST COVER ABS 94HB MIDNIGHT GRAY	5B08	1	VE175b-2
49	M-SCW-0824-0123	2084740102	SCREW,BND T+ M4X10(BND T+)	5B09	1	
50	M-MS-0808-8181	2072258300	HEAT SINK JT178S AL 6063S 45Wx20Dx22H	9H01	1	
51	M-MS-0808-8181	2072258300	HEAT SINK JT178S AL 6063S 45Wx20Dx22H	9H02	1	
52	M-SCW-0824-0285	2084730082	SCREW,BND T+ M3X8(BND T+)	9S01	1	
53	M-SCW-0824-0285	2084730082	SCREW,BND T+ M3X8(BND T+)	9S02	1	
54-1	M-LCD-0826-0197	2212003610	LCD PANEL CLAA170EA02VG CPT	V901	1	CPT
54-2	M-LCD-0826-0196	2212003900	LCD PANEL QD17EL07 QUANTA	V901	1	
55-1	B-SB-0221-0290	2414500400	INVERTER PLCD07174 LINK COM	U901	1	for CPT Panel
55-2	B-SB-0221-0434	2414501000	INVERTER DIVTL0058-D42 SAMPO	U901	1	for CPT Panel (2nd Source)
55-3	B-SB-0221-0002	2414502100	INVERTER JT178P93 EMAX	U901	1	for QDI Panel
55-4	B-SB-0221-0597	2414502200	INVERTER DIVLJK0221D42- SAMPO	U901	1	for QDI Panel (2nd Source)
56	M-MS-0808-9164	2407000100	SOCKET, ASSY AC INLET ASS'Y 1015#18 L=130	P953	1	
57	M-WR-0828-6624	2427412710	WIRE HARNESS 4/5P H/B 1007#20 160L+CORE	P802	1	
58-1	A-VIO-0118-0025	2427501149	I/O CABLE D15/C13 2919(3+6) 1.83M GE96750	P961	1	VE175-2
58-2	A-VIO-0118-0035	2427501164	I/O CABLE D15/C13 2919(3+6) 1.83M BLK	P961	1	VE175b-2
59	M-WR-0828-6625	2427430131	WIRE HARNESS 30P JAE F1/15*2P 1571#28 130L	P981	1	
60	M-WR-0828-6626	2427408181	WIRE HARNESS 8P H/B 1061#26 L=180mm P=2.0	P982	1	
61	M-WR-0828-6627	2427412624	WIRE HARNESS 6P(2.0) H/H 1007#24+112C 350L	P983	1	

9. Block Diagram

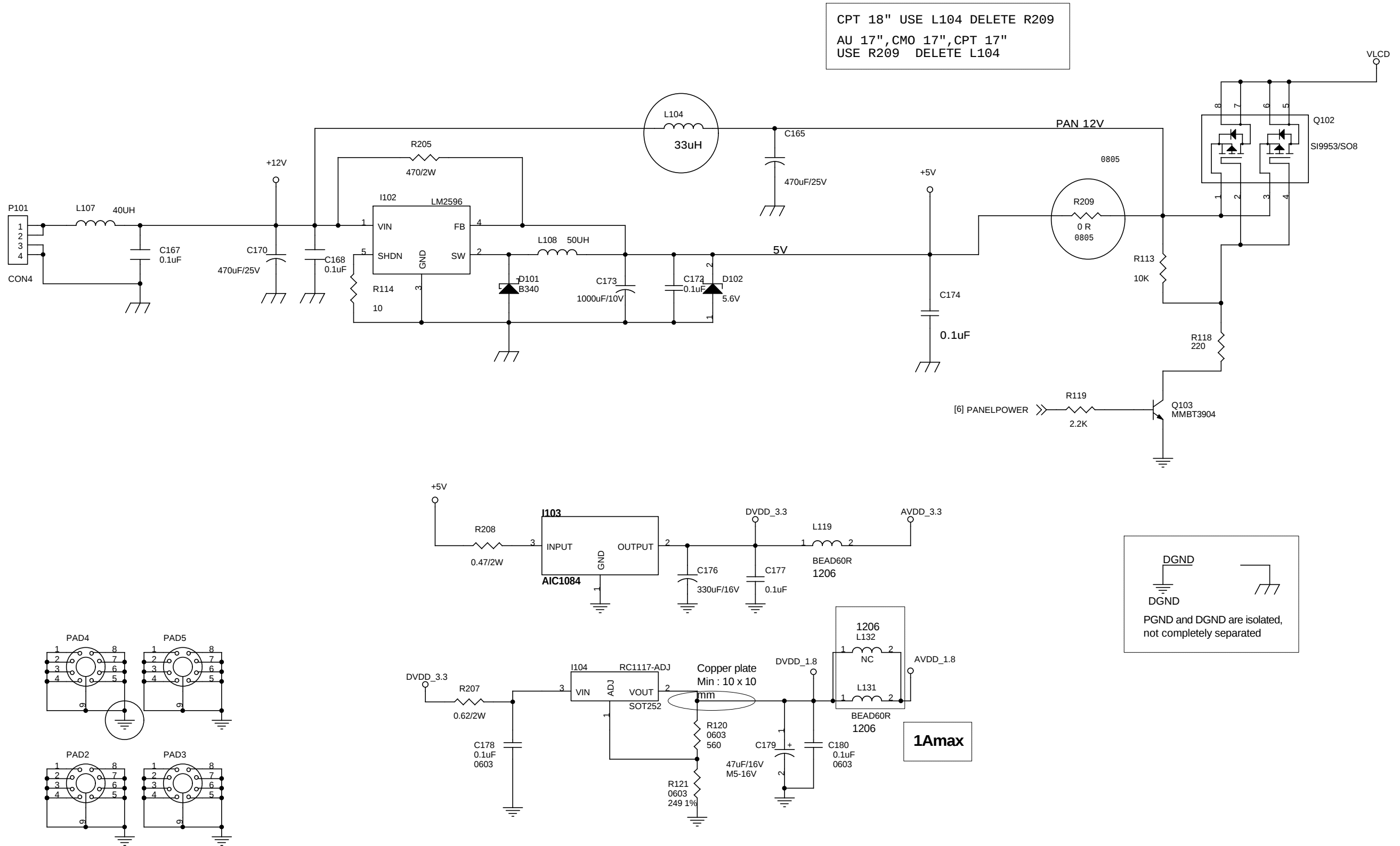


10. Schematic Diagrams

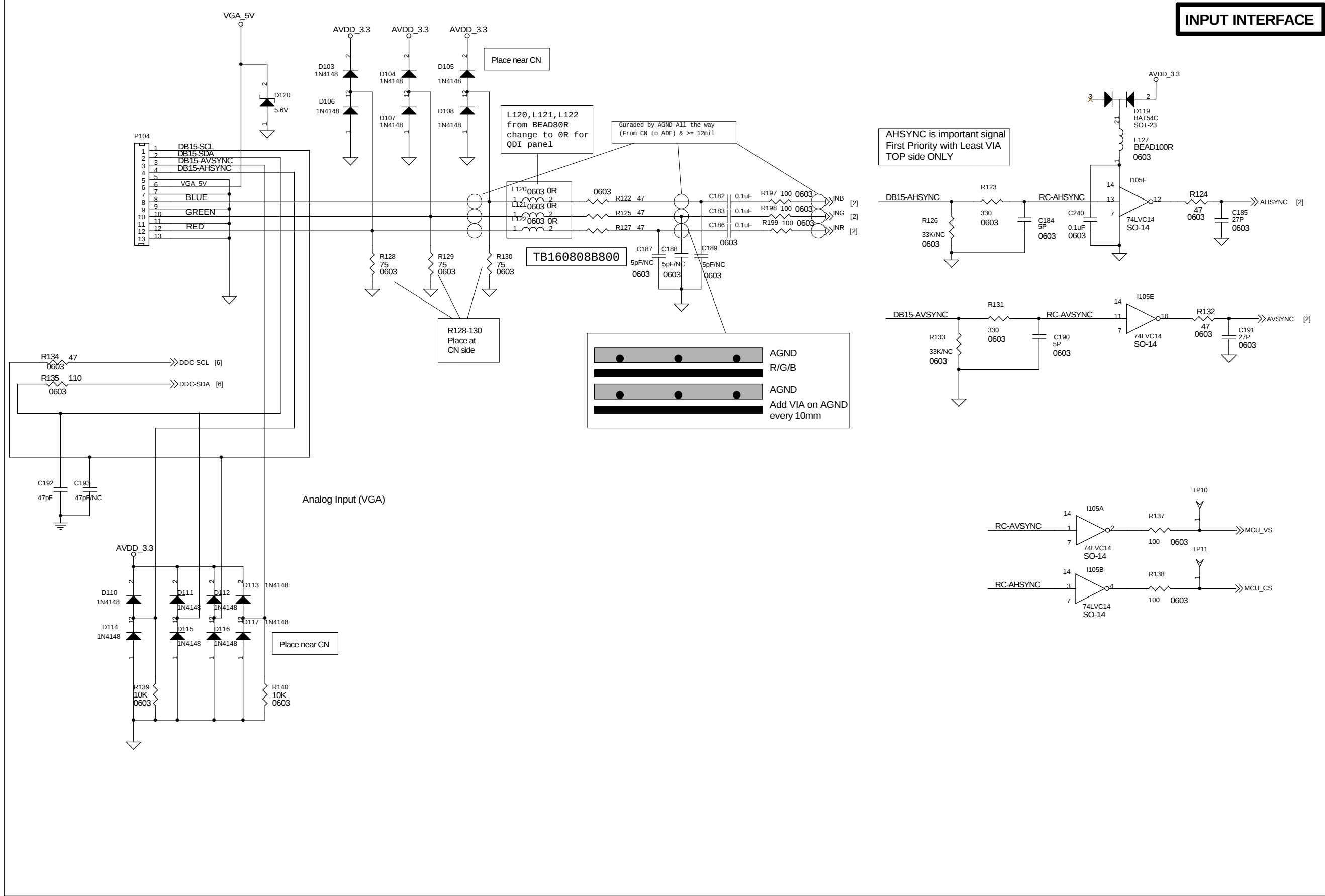
10.1. ADE3000SX



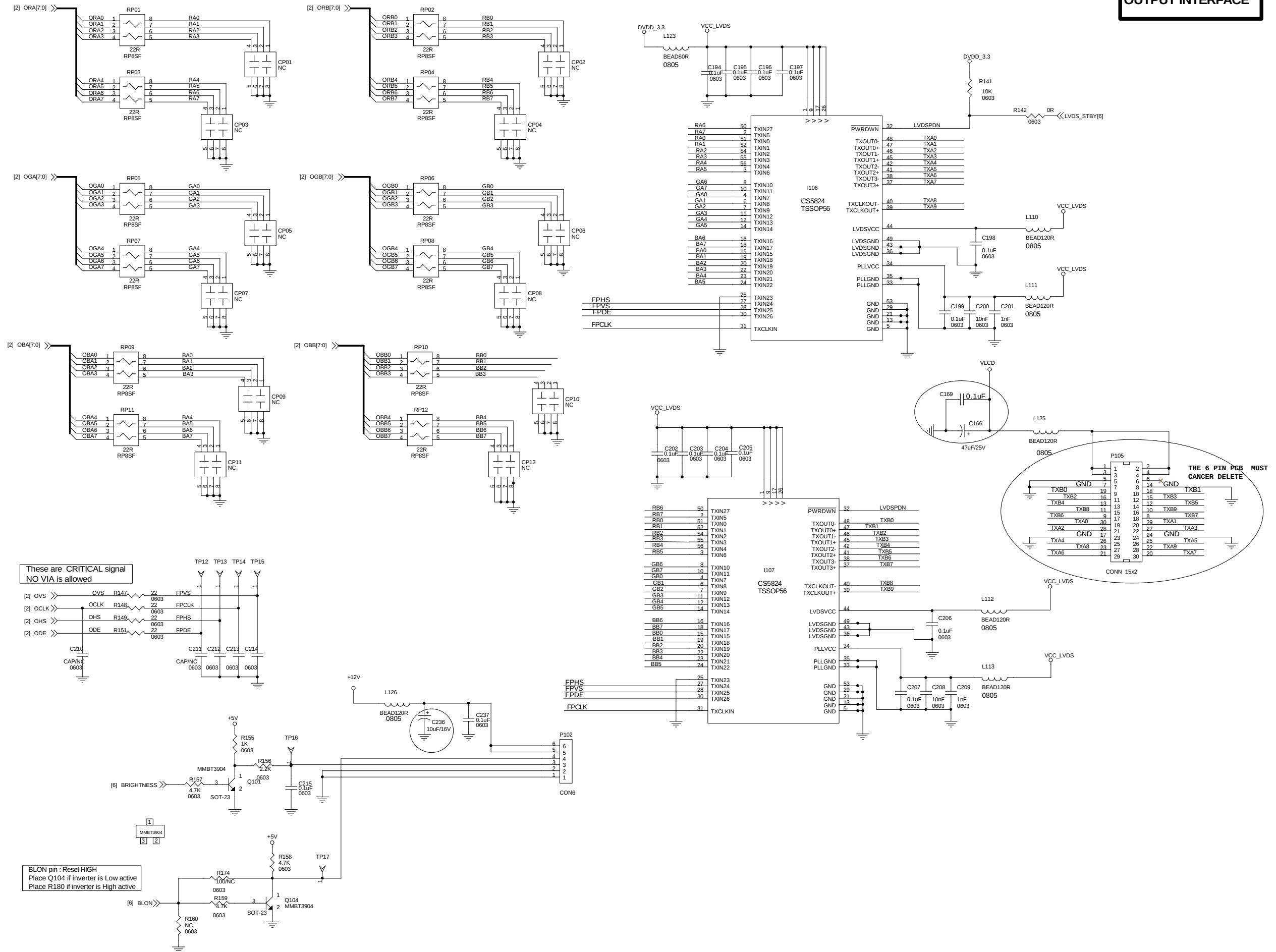
10.2. DC TO DC Power



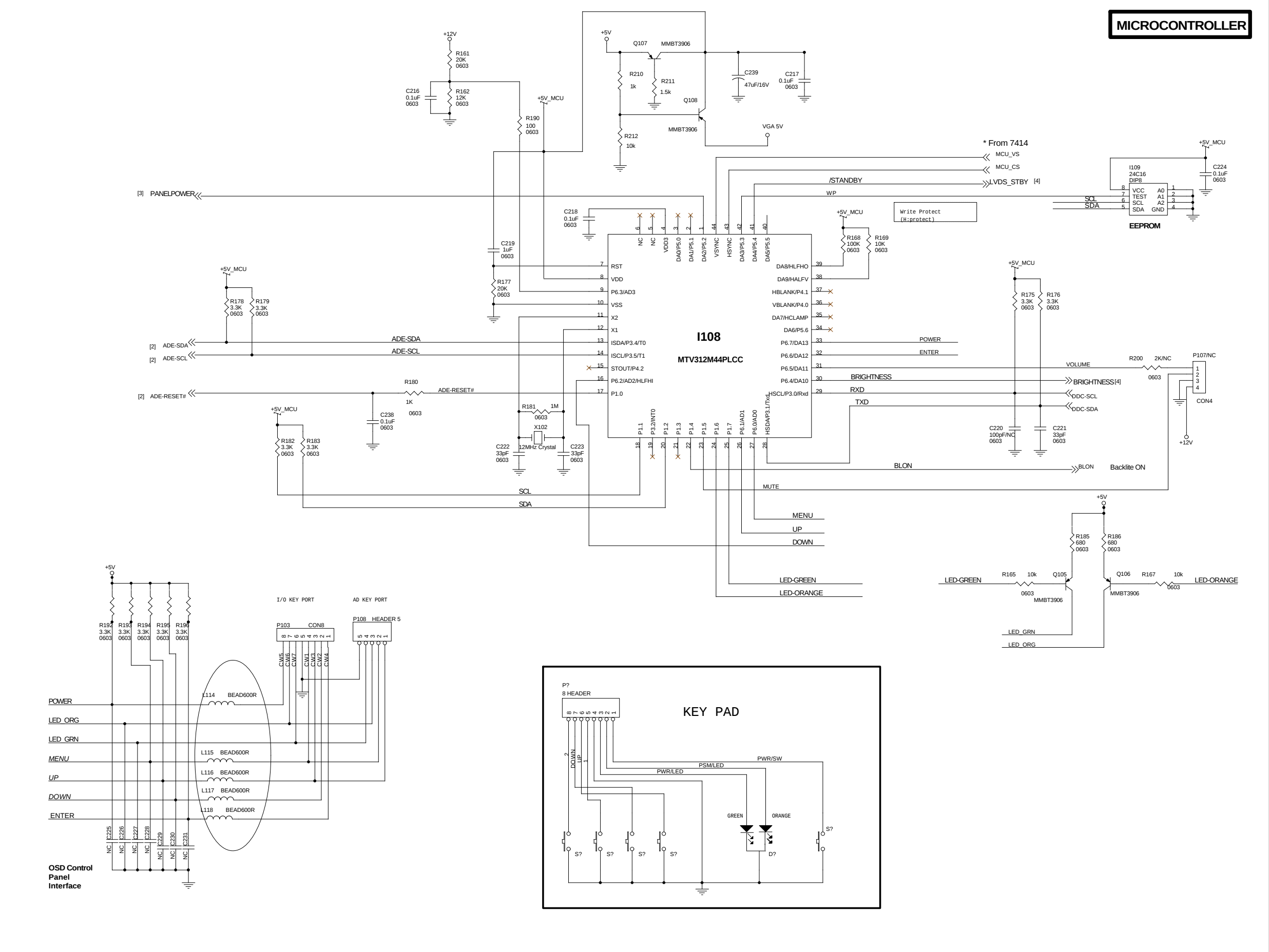
10.3. Input Interface



10.4. Output Interface

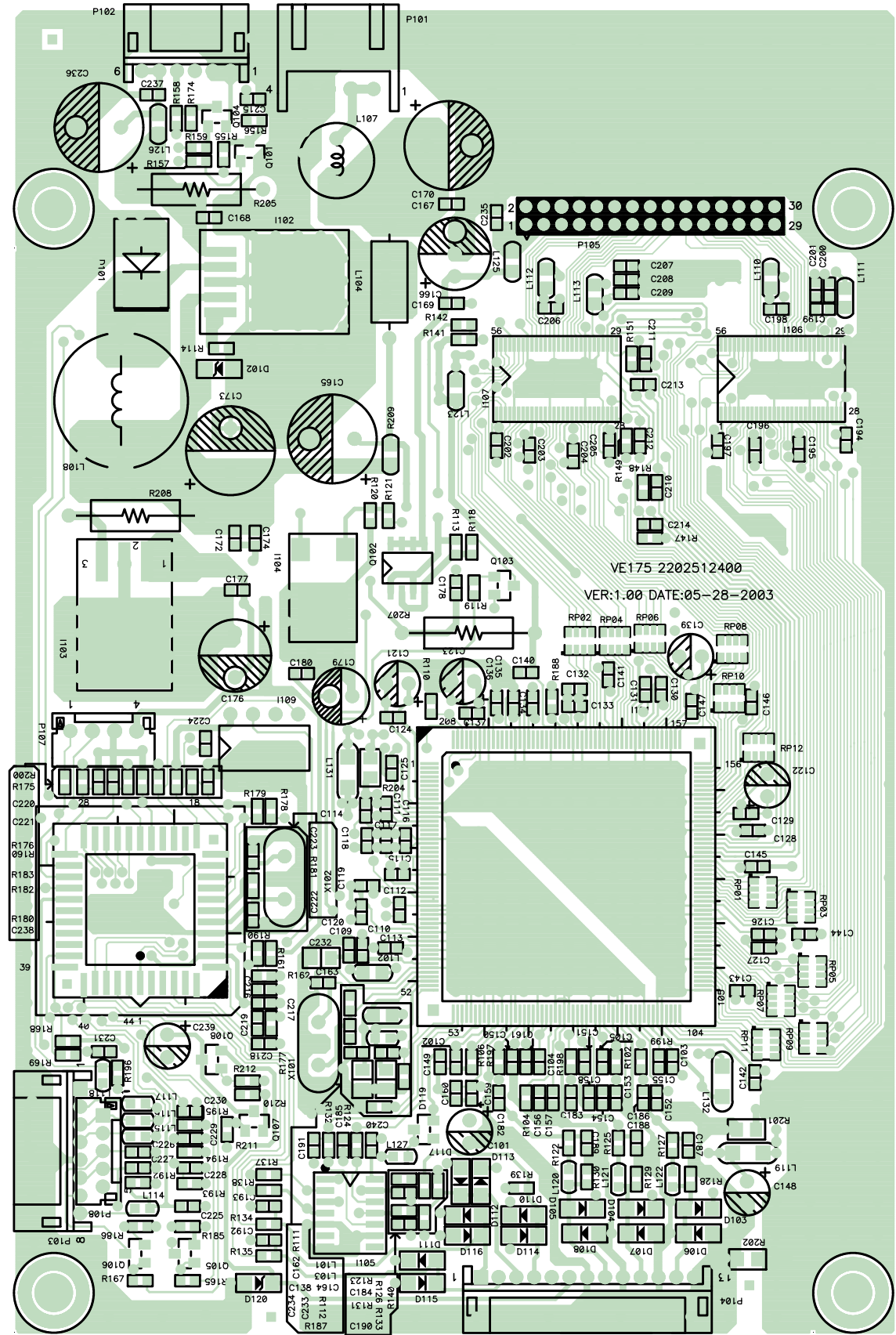


10.5. Microcontroller

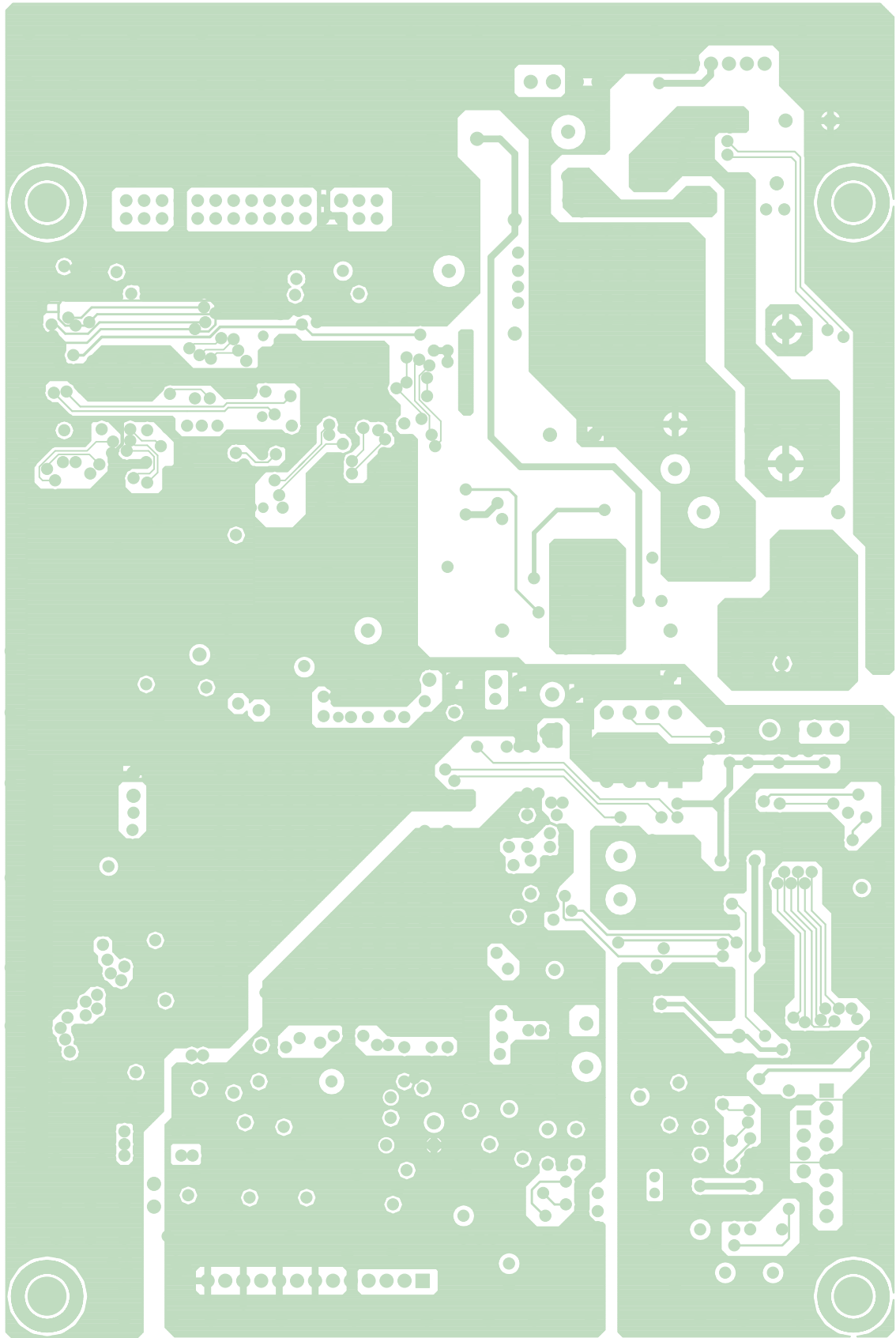


11. PCB Layout Diagrams

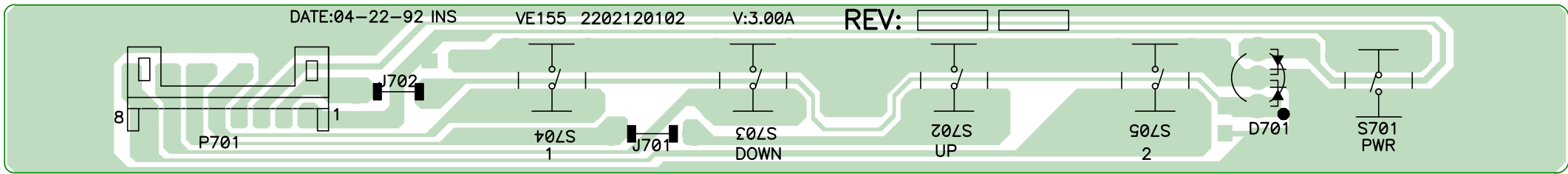
11.1. MAIN PCB TOP VIEW



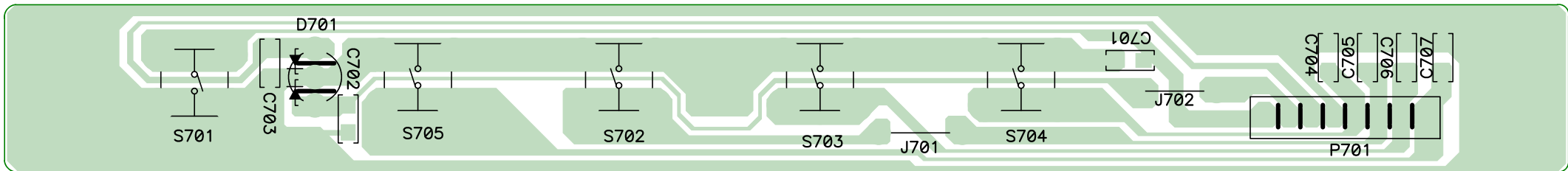
11.2. MAIN PCB BOTTOM VIEW



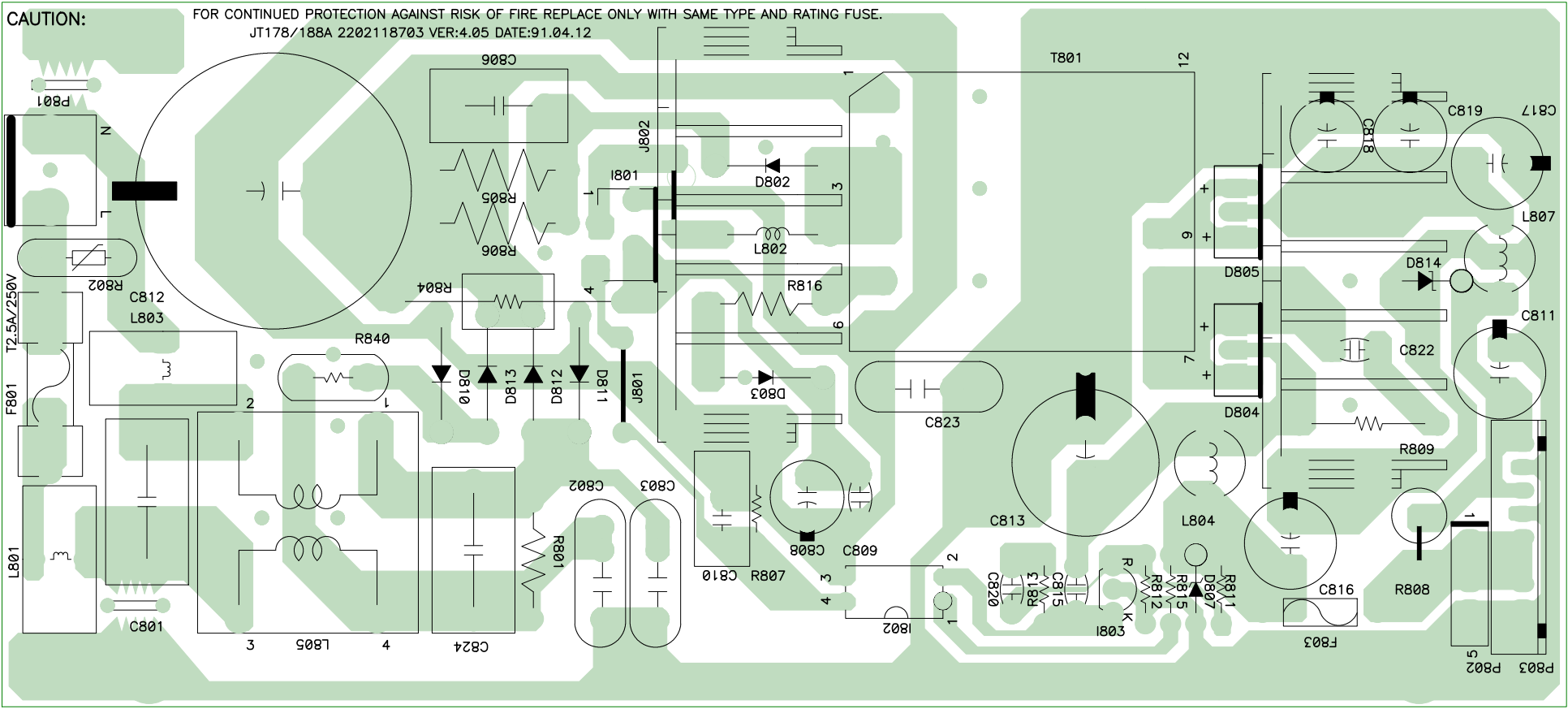
11.3. CON PCB TOP VIEW



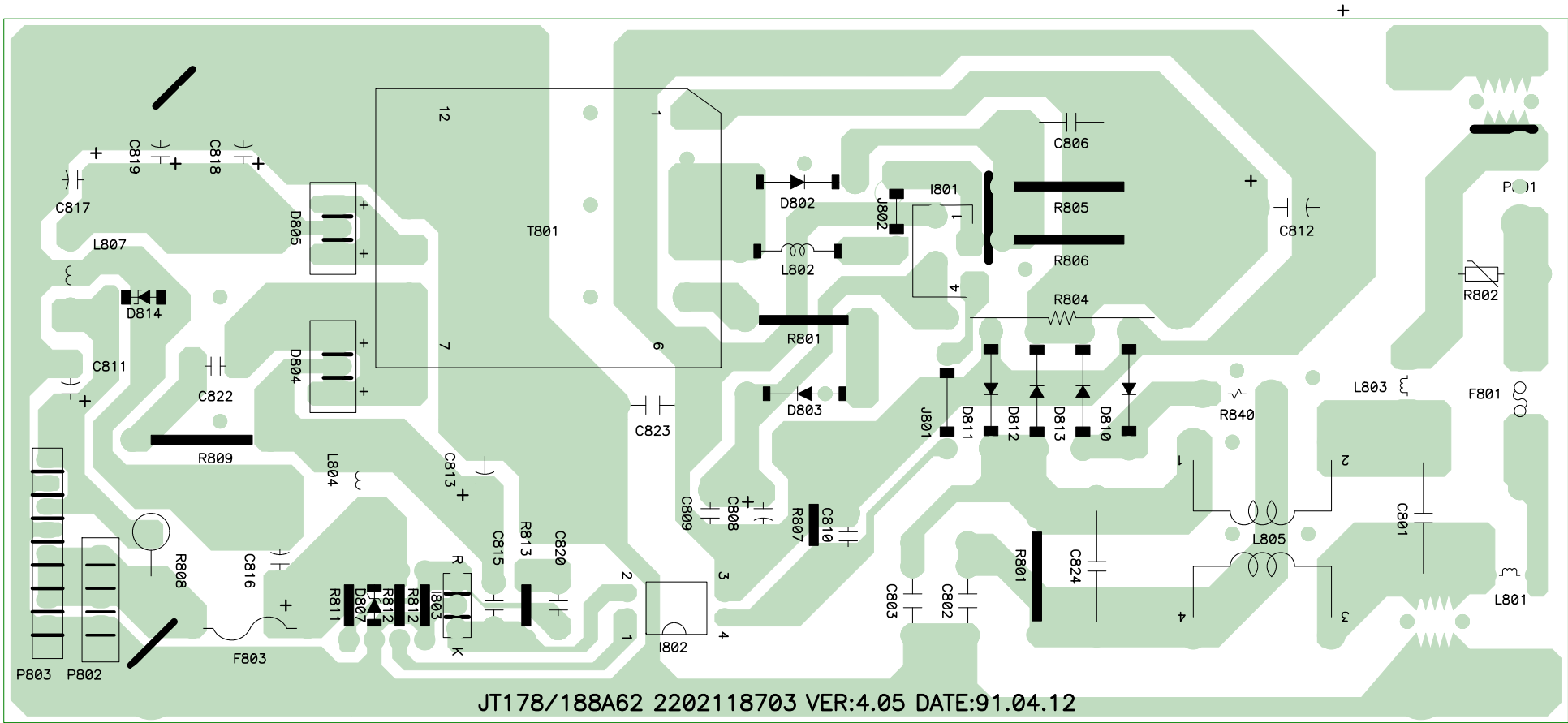
11.4. CON PCB BOTTOM VIEW



11.5. POWER PCB TOP VIEW



11.6. POWER PCB BOTTOM VIEW



12. Recommended Spare Parts List

VE175-2

Item	ViewSonic P/N	Reference P/N	Description	Location	Q'ty	Remark
1	P-BX-0601-0938	2011170007	VE175-2 VLCD S23895-6W	CARTON BOX	1	
2	P-FM-0602-0736	2012171400	EPS d=0.016	POLYFOAM	1	
3	P-FM-0602-0737	2012171500	EPS d=0.016	POLYFOAM	1	
4	C-BC-0302-0408	2022259203	PC+ABS 94-V0 BLACK(4001)	CABI BACK	1	
5	PL-PS-0715-0185	2028254802	VE800 AB 94HB/BLACK 4001	STAND	1	
6	B-SB-0221-0002	2414502100	INVERTER JT178P93 EMAX	U901 RA	1	
7	B-SB-0221-0597	2414502200	INVERTER DIVLJK0221D42- SAMPO	U901 RB	1	QDI (2nd Source)
8	B-SB-0221-0290	2414500400	INVERTER PLCD07174 LINK COM	U901 RA	1	CPT
9	B-SB-0221-0434	2414501000	INVERTER DIVTL0058-D42 SAMPO	U901 RB	1	CPT (2nd Source)
10	A-VIO-0118-0035	2427501164	D15/C13 2919(3+6) 1.83M BLK	I/O CABLE	1	
11	M-MS-0808-9162	2002310329	VIEWSONIC VE175-2 QSG 0616	2P02	1	
12	M-MS-0808-9163	2002310370	GUARANT CARD VIEWSONIC VE175-2 QSG CPT 0818	2P02	1	CPT
13	C-FP-0301-0857	2603307326	PC+ABS 94-V0 877C VA720-1	PANEL ASSY	1	
14	B-MB-0201-0792	6201-7978906251	PCB ASS'Y BLOCK (MAIN)	PCB ASS'Y BLOCK (MAIN)	1	
15	B-CB-0206-0027	6202-7978906521	PCB ASS'Y BLOCK (CON)	PCB ASS'Y BLOCK (CON)	1	
16	B-PS-0204-0006	6204-7978906521	PCB ASS'Y BLOCK (POWER)	PCB ASS'Y BLOCK (POWER)	1	
17	C-FP-0301-0934	2024263002	PC+ABS 94 V0 GY7521	FRONT BEZEL	1	
18	M-MS-0808-8180	2053751901	LED INDIC.-PWR	LED INDIC.-PWR	1	
19	PL-FK-0707-0137	2044260901	VE150-2/ABS 94V0 GY7521	FUNCTION KEY	1	
20	M-BK-0805-0002	2071864900	BRACKET, FIX, SECC T=1.2MM VE175-2	BRACKET, FIX	1	
21	M-MS-0808-1064	2061452800	RUBBER 10*10 T=9.0MM GRAY	BUSHING	1	
22	M-MS-0808-1364	2026252601	ABS 94 HB GY7521	CASE	1	
23	M-LB-0813-0883	2055636015	VE175-2 VLCD S23895-6W SMALL	LABEL	1	
24	M-MS-0808-1314	2106653500	TORQUE 20~60 KGF -5'~90'	HINGE	1	
25	PL-PD-0714-0058	2039802301	CR 420xφ 16.5x5.8	FOOT PAD	1	
26	M-BK-0805-0003	2071859301	VE800 SECC 2.0t FOR STAND	BRACKET, FIX	1	
27	M-MS-0808-1362	2027255301	VE800 ABS 94HB/GY7521 STAND	DUST COVER	1	
28	M-LB-0813-0769	2055613293	VIEWSONIC OPEN STAND LABEL-LCD	LABEL	1	
29	M-MS-0808-4026	2051350200	JD144V3 VIEWSONIC 3BIRDS AL	NAME PLATE	1	
30	M-MS-0808-1316	2013222536	250mmx350mmx0.3 ADD>PE-LD<	POLYETHY BAG	1	
31	M-LB-0813-0885	2055632024	VE175-2 VLCD S23895-6W UPC LABEL	UPC LABEL	1	
32	M-MS-0808-1317	2013053000	90CMX75CMX0.02t PE-LD	POLYETHY BAG	1	
33	M-LB-0813-0528	2055103400	DATE CORD LABEL JK0936F WEN	DATE CORD LABEL	1	
34	M-LB-0813-0869	2055613281	VIEWSONIC VA520 NUMBER STICKER	LABEL	4	
35	M-LB-0813-0002	2056603050	VIEWSONIC LCD SERIAL LABEL	SERIAL LABEL	1	
36	M-LB-0813-0884	2055132059	LABEL VE175 VLCD S23895-6W 030311	6P50	1	
37	M-LB-0813-0923	2055132105	LABEL VE175-2 VLCD S23895-6W CPT	6P50	1	CPT
38	M-LB-0813-0885	2055632024	LABEL VE175-2 VLCD S23895-6W	6P02	1	
39	M-LB-0813-0924	2055632029	LABEL VE175-2(3) VLCD S23895-6W CPT	6P02	1	CPT
40	M-LCD-0826-0196	2212003900	LCD PANEL QD17EL07 QUANTA	V901	1	
41	M-LCD-0826-0197	2212003610	LCD PANEL CLAA170EA02VG CPT	V901	1	CPT

INDIVIDUAL PARTS OF VSCN-G

Item	ViewSonic P/N	Reference P/N	Description	Location	Q'ty
1	A-PC-0106-0143	2427130082	CHINA WALL 1.83M IVORY	POWER CORD	1
2	M-LB-0813-0859	2055613334	LABEL VIEWSONIC VE175B 3C STICKER	LABEL	1
3	M-MS-0808-0028	2002310338	GUARANT CARD VIEWSONIC CHINA WARRANTY CAR	GUARANT CARD	1
4	M-MS-0808-0033	2013051800	POLYETHY JT166A14 500LX470WX490H t=0.08	POLYETHY BAG	1

INDIVIDUAL PARTS OF VSA-M

Item	ViewSonic P/N	Reference P/N	Description	Location	Q'ty
1	A-PC-0106-0123	2427130035	USA WALL 1.8M IVORY	POWER CORD	1
2	A-PC-0106-0142	2427130055	E WALL 1.8M IVORY	POWER CORD	1

INDIVIDUAL PARTS OF VSI-P

Item	ViewSonic P/N	Reference P/N	Description	Location	Q'ty
1	A-PC-0106-0123	2427130035	USA WALL 1.8M IVORY	POWER CORD	1
2	A-PC-0106-0142	2427130055	E WALL 1.8M IVORY	POWER CORD	1

INDIVIDUAL PARTS OF VSE-E

Item	ViewSonic P/N	Reference P/N	Description	Location	Q'ty
1	A-PC-0106-0123	2427130035	USA WALL 1.8M IVORY	POWER CORD	1
2	A-PC-0106-0142	2427130055	E WALL 1.8M IVORY	POWER CORD	1

VE175b-2 Recommended Spare Parts List

Item	ViewSonic P/N	Ref. P/N	Description	Location	Q'ty	Remark
1	P-BX-0601-0884	2011170008	CARTON BOX	6P01	1	
2	P-FM-0602-0736	2012171400	POLYFOAM	6P20	1	
3	P-FM-0602-0737	2012171500	POLYFOAM	6P21	1	
4	M-MS-0808-1316	2013222536	POLYETHY BAG	6P31	1	
5	C-BC-0302-0410	2022259205	CABI BACK	2C01	1	
6	PL-PS-0715-0187	2028254803	STAND	5B01	1	
7	M-LB-0813-0528	2055103400	DATE CORD LABEL JK0936F WEN	6P52	1	
8	M-SCW-0824-0285	2084730082	SCREW,BND T+	1F17 2C22 9S01 9S02	1	
9	E-FS-0410-0009	2213125207	FUSE	F801	1	
10	A-VIO-0118-0035	2427501164	I/O CABLE	P961	1	
11	C-FP-0301-0859	2603307327	PANEL ASSY	PANEL ASSY	1	
12	B-MB-0201-2729	6201-7978906562	PCB ASS'Y BLOCK (MAIN)	PCB ASS'Y BLOCK (MAIN)	1	
13	B-CB-0206-0027	6202-7978906521	PCB ASS'Y BLOCK (CON)	PCB ASS'Y BLOCK (CON)	1	
14	B-PS-0204-0006	6204-7978906521	PCB ASS'Y BLOCK (POWER)	PCB ASS'Y BLOCK (POWER)	1	
15	C-FP-0301-0153	2024263004	FRONT BEZEL	FRONT BEZEL	1	
16	M-MS-0808-8180	2053751901	LED INDIC.-PWR	LED INDIC.-PWR	1	
17	PL-BT-0706-0147	2044260904	FUNCTION KEY	FUNCTION KEY	1	
18	M-MS-0808-1064	2061452800	RUBBER 10*10 T=9.0MM GRAY	RUBBER 10*10 T=9.0MM GRAY	1	
19	M-MS-0808-1074	2026252603	ABS 94HB MIDNIGHT GRAY	ABS 94HB MIDNIGHT GRAY	1	
20	M-LB-0203-0065	2055636016	VE175B-2 VLCD S23895-7W SMALL	VE175B-2 VLCD S23895-7W SMALL	1	
21	M-MS-0808-1314	2106653500	TORQUE 20-60 KGF -5'-90'	TORQUE 20-60 KGF -5'-90'	1	
22	PL-PD-0714-0058	2039802301	CR 420xφ 16.5x5.8	CR 420xφ 16.5x5.8	1	
23	M-MS-0808-1315	2027255303	ABS 94HB MIDNIGHT GRAY	ABS 94HB MIDNIGHT GRAY	1	
24	M-LB-0813-0769	2055613293	VIEWSONIC OPEN STAND LABEL-LCD	VIEWSONIC OPEN STAND LABEL-LCD	1	
25	M-MS-0808-4026	2051350200	JD144V3 VIEWSONIC 3BIRDS AL	JD144V3 VIEWSONIC 3BIRDS AL	1	
26	M-MS-0808-1316	2013222536	250mmx350mmx10.3 ADD>PE-LD<	250mmx350mmx10.3 ADD>PE-LD<	1	
27	M-MS-0808-1317	2013053000	90CMX75CMX0.02t PE-LD	90CMX75CMX0.02t PE-LD	1	
28	M-LB-0813-0869	2055613281	LABEL VIEWSONIC VA520 NUMBER STICKER	6P06	1	
29	M-LB-0203-0065	2055636016	LABEL VE175B-2 VLCD S23895-7W SMALL	6P03	1	
30	M-LB-0813-0002	2056603050	VIEWSONIC LCD SERIAL LABEL	6P56 6P55 6P54 6P51	4	
31	B-SB-0221-0002	2414502100	INVERTER JT178P93 EMAX	U901 RA	1	
32	B-SB-0221-0597	2414502200	INVERTER DIVLJK0221D42- SAMPO	U901 RB	1	QDI(2nd Source)
33	B-SB-0221-0290	2414500400	INVERTER PLCD07174 LINK COM	U901 RA	1	CPT
34	B-SB-0221-0434	2414501000	INVERTER DIVTL0058-D42 SAMPO	U901 RB	1	CPT(2nd Source)
35	M-LCD-0826-0196	2212003900	LCD PANEL QD17EL07 QUANTA	V901	1	
36	M-LCD-0826-0197	2212003610	LCD PANEL CLAA170EA02VG CPT	V901	1	CPT
37	M-LB-0203-0695	2055132060	LABEL VE175B-2 VLCD S23895-7W 030311	6P50	1	
38	M-LB-0813-0921	2055132106	LABEL VE175B-2 VLCD S23895-7W CPT	6P50	1	CPT
39	M-LB-0813-0871	2055632025	UPC LABEL VE175B-2 VLCD S23895-7W	6P02	1	
40	M-LB-0813-0922	2055632030	UPC LABEL VE175B-2(3) VLCD S23895-7W CPT	6P02	1	CPT
41	M-MS-0808-9159	2002310330	GUARANT CARD VIEWSONIC VE175B-2 QSG	2P02	1	
42	M-MS-0808-9160	2002310371	GUARANT CARD VIEWSONIC VE175B-2 QSG CPT	2P02	1	CPT

Recommended Spare Parts List VSCN-G

Item	ViewSonic P/N	Ref. P/N	Description	Location	Q'ty
1	A-PC-0106-0277	2427130097	POWER CORD (CHINA WALL 1.83M BLACK SCP	P951	1
2	M-LB-0813-0859	2055613334	LABEL VIEWSONIC VE175B 3C STICKE	LABEL	1
3	M-MS-0808-0028	2002310338	VIEWSONIC CHINA WARRANTY CARD	GUARANT CARD	1
4	M-MS-0808-0033	2013051800	POLYETHY BAG JT166A14 500LX470WX490H t=0.0	POLYETHY BAG	1

VIEWSONIC INDIVIDUAL PARTS OF VSA-M

Item	ViewSonic P/N	Reference P/N	Description	Location	Q'ty
1	A-PC-0106-0121	2427130046	USA WALL 1.8M BLACK	POWER CORD	1
2	A-PC-0106-0138	2427130047	E WALL 1.8M BLACK	POWER CORD	1

VIEWSONIC INDIVIDUAL PARTS OF VSE-E

Item	ViewSonic P/N	Reference P/N	Description	Location	Q'ty
1	A-PC-0106-0121	2427130046	USA WALL 1.8M BLACK	POWER CORD	1
2	A-PC-0106-0138	2427130047	E WALL 1.8M BLACK	POWER CORD	1

VIEWSONIC INDIVIDUAL PARTS OF VSI-P

Item	ViewSonic P/N	Reference P/N	Description	Location	Q'ty
1	A-PC-0106-0121	2427130046	USA WALL 1.8M BLACK	POWER CORD	1
2	A-PC-0106-0138	2427130047	E WALL 1.8M BLACK	POWER CORD	1

VE175-2 (QDI & CPT) BOM LIST

Item	ViewSonic P/N	Ref. P/N	Description		Location	Q'ty	Remark
1	M-MS-0808-9162	2002310329	GUARANT CARD	VIEWSONIC VE175-2 QSG 0616	2P02	1	
2	M-MS-0808-9163	2002310370	GUARANT CARD	VIEWSONIC VE175-2 QSG CPT 0818	2P02	1	CPT
3	P-BX-0601-0938	2011170007	CARTON BOX	VE175-2 VLCDS23895-6W	6P01	1	
4	P-FM-0602-0736	2012171400	POLYFOAM	EPS d=0.016	6P20	1	
5	P-FM-0602-0737	2012171500	POLYFOAM	EPS d=0.016	6P21	1	
6	M-MS-0808-1317	2013053000	POLYETHY BAG	90CMX75CMX0.02t PE-LD	6P30	1	
7	M-MS-0808-1316	2013222536	POLYETHY BAG	250mmx350mmxt0.3 ADD>PE-LD<	6P31	1	
8	C-BC-0302-0409	2022259202	CABI BACK	PC+ABS 94 V0 GY7521	2C01	1	
9	C-FP-0301-0934	2024263002	FRONT BEZEL	PC+ABS 94 V0 GY7521	1F01	1	
10	M-MS-0808-1364	2026252601	CASE	ABS 94 HB GY7521	2C04	1	
11	M-MS-0808-1362	2027255301	DUST COVER	VE800 ABS 94HB/GY7521 STAND	5B08	1	
12	PL-PS-0715-0186	2028254801	STAND	VE800 ABS 94HB/GY7521	5B01	1	
13	PL-PD-0714-0058	2039802301	FOOT PAD	CR 420xφ 16.5x5.8	5B02	4	
14	PL-FK-0707-0137	2044260901	FUNCTION KEY	VE150-2/ABS 94V0 GY7521	1F03	1	
15	M-MS-0808-4026	2051350200	NAME PLATE	JD144V3 VIEWSONIC 3BIRDS AL	1F19	1	
16	M-MS-0808-8180	2053751901	LED INDIC.-PWR	VE150-2/PMMA 94HB	1F02	1	
17	M-LB-0813-0528	2055103400	LABEL	JK0936F WEN	6P52	1	
18	M-LB-0813-0884	2055132059	LABEL	VE175 VLCDS23895-6W 030311	6P50	1	
19	M-LB-0813-0923	2055132105	LABEL	VE175-2 VLCDS23895-6W CPT	6P50	1	CPT
20	M-LB-0813-0869	2055613281	LABEL	VIEWSONIC VA520 NUMBER STICKER	6P06	1	
21	M-LB-0813-0769	2055613293	LABEL	VIEWSONIC OPEN STAND LABEL-LCD	5B10	1	
22	M-LB-0813-0870	2055613379	LABEL	ViewSonic CONTAINER LABEL	6P11	1	
23	M-LB-0813-0885	2055632024	LABEL	VE175-2 VLCDS23895-6W	6P02	1	
24	M-LB-0813-0924	2055632029	LABEL	VE175-2(3) VLCDS23895-6W CPT	6P02	1	CPT
25	M-LB-0813-0883	2055636015	LABEL	VE175-2 VLCDS23895-6W SMALL	6P03	1	
26	M-LB-0813-0002	2056603050	SERIAL LABEL	VIEWSONIC LCD SERIAL LABEL	6P56 6P55 6P54 6P51	4	
27	M-MS-0808-1064	2061452800	BUSHING	RUBBER 10*10 T=9.0MM GRAY	1F50	2	
28	M-MS-0808-1619	2063451101	ADHESI SHEET	27.2x42.4 PVC COLOR:GREY	1F20	1	
29	#N/A	2063451203	ADHESI SHEET	PC 94V0 56wX30LX1.0t BLACK	1F33	1	
30	M-MS-0808-1389	2071662800	SHIELD PLATE	SPTE t=0.3mm VE175	1F22	1	
31	M-MS-0808-1420	2071663201	SHIELD PLATE	SPTE t=0.3(Main board-ST)	1F10	1	
32	M-BK-0805-0004	2071859200	BRACKET, FIX	SECC t=1.0	1F29	1	
33	M-BK-0805-0003	2071859301	BRACKET, FIX	VE800 SECC 2.0t FOR STAND	5B06	1	
34	M-BK-0805-0006	2071859600	BRACKET, FIX	SECC t=1.0mm VE175	1F26	1	
35	M-BK-0805-0007	2071859700	BRACKET, FIX	SECC t=1.0mm VE175	1F27	1	
36	M-BK-0805-0002	2071864900	BRACKET, FIX	SECC T=1.2MM VE175-2	1F34	2	
37	M-MS-0808-6316	2071958300	METAL FITTG	VE170 KENSINGTON	2C02	1	
38	M-BK-0805-0008	2071960201	METAL FITTG	SECC t=0.8 NON-P.S.M	1F12	1	
39	M-BK-0805-0009	2071961402	METAL FITTG	SECC T=1.0 VE175(2) ST	1F05	1	
40	M-MS-0808-8181	2072258300	HEAT SINK	JT178S AL 6063S 45Wx20Dx22H	9H01	1	
41	M-MS-0808-8181	2072258300	HEAT SINK	JT178S AL 6063S 45Wx20Dx22H	9H02	1	
42	M-MS-0808-8182	2072452601	INSULATOR	VE800 PC FR-700 0.2t FOR POWER	1F21	1	
43	PL-HD-0705-0116	2074191000	HOLDER	JK1461 JEAN	1F28	1	
44	M-SCW-0824-6715	2080002200	SCREW, SPE	L355 M3x6 DH NICKEL-PLATED	1F06	4	
45	M-SCW-0824-6716	2080002400	SCREW, SPE	VE155/3x8 STAND	1F13	2	
46	M-SCW-0824-6717	2081430062	SCREW, (WASH)	M3X6 P=0.5(TOOTH WASHER)	2C21	5	
47	M-SCW-0824-6718	2081430082	SCREW, (WASH)	M3X8 P=0.5(TOOTH, WASHER)	1F15	2	
48	M-SCW-0824-6719	2082630062	SCREW	M3X6 P=0.5	1F35 1F07 1F08 1F09	26	
49	M-SCW-0824-0285	2084730082	SCREW, BND T+	M3X8(BND T+)	9S01 09S02 1F17 2C22	9	
50	M-SCW-0824-0122	2084730102	SCREW, BND T+	M3X10(BND T+)	1F04	2	
51	M-SCW-0824-0261	2084730142	SCREW, BND T+	M3X14(BND T+)	1F70	1	
52	M-SCW-0824-6721	2084740082	SCREW, BND T+	M4X8(BND T+)	5B07	3	
53	M-SCW-0824-0123	2084740102	SCREW, BND T+	M4X10(BND T+)	1F18 1F31 1F32 5B09	14	
54	M-SCW-0824-6722	2087340106	SCREW, B SPW+	4X10(+)SWRM-3 ZMC2-C	5B05	4	
55	M-MS-0808-1314	2106653500	HINGE	TORQUE 20~60 KGF -5'~90'	2C20 RA	1	
56	#N/A	2106653501	HINGE	29~32/55~58KGF-CM/-3'~20'/90'	2C20 RB		
57	#N/A	2202118703	PC BOARD	JT178A62 P/B CAM1 170*76 4.05	U801	1	

58	B-KB-0207-0040	2202120102	PC BOARD	VE155 K/B PAPER 140*15 3.00	U701	1	
59	B-MB-0201-0746	2202512400	PCB MULTILAYER	VE175ST M/B FR4*4 150*100 1.00	U001	1	
60	M-LCD-0826-0196	2212003900	LCD PANEL	QD17EL07 QUANTA	V901	1	
61	M-LCD-0826-0197	2212003610	LCD PANEL	CLAA170EA02VG CPT	V901	1	CPT
62	E-FS-0410-0009	2213125207	FUSE	FUSE 2.5A/250V 21502.5 LITTEL	F801 RA	1	
63	E-FS-0410-0102	2213125211	FUSE	FUSE 2.5A/250V SG501302.5 PICO	F801 RB	1	
64	#N/A	2213270205	FUSE MICRO	R251007 7A/125V(T52) LITTEL	F803 RB	1	
65	#N/A	2213270295	FUSE MICRO	20N7000FS 7A/125V PICO	F803 RA	1	
66	E-TH-0416-0042	2229201212	THERMISTOR,PTH	SCK-103 10+-20% 3A THINKING	R840	1	
67	E-R-0405-3433	2232610195	RES,CBN 1/2	RD 1/2W 100.00 J T52 MINI	R809	1	
68	#N/A	2232610995	RES,CBN 1/2	RD 1/2W 1.00 J T52 MINI	R816	1	
69	#N/A	2232615595	RES,CBN 1/2	RD 1/2W 1.50M J T52 MINI	R801	1	
70	E-R-0405-1757	2233410195	RES,CBN 1/4 S	RD 1/4WS 100.00 J T52 MINI	R813	1	
71	E-R-0405-0401	2233412195	RES,CBN 1/4 S	RD 1/4WS 120.00 J T52 MINI	R815	1	
72	E-R-0405-6995	2235415403	RES,MTL 1	RS 1W 150Kohm J P=15.0	R805 R806	2	
73	#N/A	2235547113	RES,MTL 2	RS 2WS 470ohm J P=15.0	R205	1	
74	E-R-0405-1507	2235547813	RES,MTL 2	RS 2WS 0.47ohm J P=15.0	R208	1	
75	#N/A	2235562813	RES,MTL 2	RS 2W 0.62 J P=15 MINI	R207	1	
76	#N/A	2235620417	RES,MTL 3	RS 3WS 200Kohm J P=25.0	R804	1	
77	E-R-0405-5611	2239216225	RES,PRES 1/4 S	RN 1/4WS 16.20K F	R807	1	
78	E-R-0405-6996	2239219125	RES,PRES 1/4 S	RN 1/4WS 19.10K F	R811	1	
79	E-R-0405-6997	2239248715	RES,PRES 1/4 S	RN 1/4WS 4.87K F	R812	1	
80	#N/A	2251215026	RES,CHIP 1/10	RC 0603 1/10W 15Kohm F T	R102 R104 R106	3	
81	#N/A	2251224906	RES,CHIP 1/10	RC 0603 1/10W 249 ohm F T	R121	1	
82	#N/A	2251275096	RES,CHIP 1/10	RC 0603 1/10W 75 ohm F T	R122 R125 R127 R128	6	
83	E-R-0405-6600	2253200096	RES,CHIP 1/10W	RC 0603 1/10W 0 ohm J T	L120 L121 L122 R110	7	
84	E-R-0405-6998	2253210096	RES,CHIP 1/10W	RC 0603 1/10W 10 ohm J T	R114	1	
85	E-R-0405-6409	2253210196	RES,CHIP 1/10W	RC 0603 1/10W 100 ohm J T	R137 R138 R190 R197	6	
86	E-R-0405-6410	2253210296	RES,CHIP 1/10W	RC 0603 1/10W 1Kohm J T	R155 R210	2	
87	E-R-0405-6411	2253210396	RES,CHIP 1/10W	RC 0603 1/10W 10Kohm J T	R113 R139 R140 R141	8	
88	E-R-0405-6984	2253210496	RES,CHIP 1/10W	RC 0603 1/10W 100Kohm J T	R168 R181	1	
89	E-R-0405-6601	2253210596	RES,CHIP 1/10W	RC 0603 1/10W 1Mohm J T	R111	2	
90	#N/A	2253211196	RES,CHIP 1/10W	RC 0603 1/10W 110 ohm J T	R135	1	
91	#N/A	2253212396	RES,CHIP 1/10W	RC 0603 1/10W 12Kohm J T	R162	1	
92	#N/A	2253215296	RES,CHIP 1/10W	RC 0603 1/10W 1.5Kohm J T	R211	1	
93	E-R-0405-6999	2253220396	RES,CHIP 1/10W	RC 0603 1/10W 20Kohm J T	R161 R177	2	
94	E-R-0405-6603	2253222096	RES,CHIP 1/10W	RC 0603 1/10W 22 ohm J T	R147 R148 R149 R151	4	
95	E-R-0405-7000	2253222196	RES,CHIP 1/10W	RC 0603 1/10W 220 ohm J T	R118	1	
96	E-R-0405-6604	2253222296	RES,CHIP 1/10W	RC 0603 1/10W 2.2Kohm J T	R119 R156	2	
97	E-R-0405-6606	2253233196	RES,CHIP 1/10W	RC 0603 1/10W 330 ohm J T	R123 R131	2	
98	E-R-0405-6416	2253233296	RES,CHIP 1/10W	RC 0603 1/10W 3.3Kohm J T	R175 R176 R178 R179	12	
99	E-R-0405-6417	2253247096	RES,CHIP 1/10W	RC 0603 1/10W 47 ohm J T	R124 R132 R134	3	
100	E-R-0405-6419	2253247296	RES,CHIP 1/10W	RC 0603 1/10W 4.7Kohm J T	R157 R158 R159	3	
101	#N/A	2253256196	RES,CHIP 1/10W	RC 0603 1/10W 560 ohm J T	R120	1	
102	E-R-0405-6456	2253268196	RES,CHIP 1/10W	RC 0603 1/10W 680 ohm J T	R185 R186	2	
103	E-R-0405-5988	2253300096	RES,CHIP 1/8	RC 0805 1/8 W 0ohm J T	R201 R202 R204 R209	4	
104	#N/A	2259222008	RES,CHIP NETWORKS	8P4R 1/16W 22ohm J P=0.8	RP01 RP02 RP03	12	
105	E-C-0404-0157	2272110191	CAP,CER	TC 100p/50V CH P=5.0 J T	C815	1	
106	E-C-0404-4833	2281110491	CAP,CER	CC 0.1u/50V K T	C809	1	
107	E-C-0404-1869	2285133191	CAP,CER	CK45B 330.000PF 1KV K T	C822	1	
108	E-C-0404-1855	2287247212	CAP,CER	CK45F 4700.000PF 250VAC M KC	C802 C803 C823	3	
109	E-C-0404-4834	2300922401	CAP,MTL MINI	0.220UF 275V M	C801 C824	2	
110	E-C-0404-4835	2301510491	CAP,MTL	CF93M 0.100UF 100V J T	C820	1	
111	E-C-0404-4836	2301533391	CAP,MTL	CF93M 0.033UF 100V J T	C810	1	
112	E-C-0404-4837	2307522312	CAP,MTL	MPP 0.022u/630V P=10.0 J K	C806	1	
113	E-C-0404-4838	2330005112	CAP,MINI ELE	ES1C332MB41625DE 3300/16 ELITE	C813	1	
114	E-C-0404-1867	2333310891	CAP,ELE 105°C	EC 1000u/ 16V 10*20 P=5.0 T	C816	1	
115	E-C-0404-3097	2333333791	CAP,ELE 105°C	EC 330u/ 16V 8*11 P=5.0 T	C176	1	
116	#N/A	2333347613	CAP,ELE 105°C	EC 47u/ 16V 5*11 P=2.5 T	C179 C101 C121 C122	8	

117	E-C-0404-1426	2333447691	CAP,ELE 105°C	EC 47u/ 25V 5*11 P=5.0 T	C166	1	
118	E-C-0404-2414	2333447791	CAP,ELE 105°C	EC 470u/ 25V10*13.0 P=5.0 T	C165 C170 C236	3	
119	E-C-0404-1830	2333610791	CAP,ELE 105°C	EC 100u/ 50V10*12.5 P=5.0 T	C808	1	
120	#N/A	2335210813	CAP,ELE LOW ESR 105°C	EC 1000u/ 10V 10*13 P=5.0 T	C173	1	
121	E-C-0404-3898	2341110096	CAP,CHIP 125°C	CS 0603/COG/50V 10p J T	C162	1	
122	E-C-0404-4828	2341110196	CAP,CHIP 125°C	CS 0603/COG/50V 100p J T	C115 C154 C157 C160	4	
123	E-C-0404-4909	2341115096	CAP,CHIP 125°C	CS 0603/COG/50V 15p J T	C163	1	
124	#N/A	2341127096	CAP,CHIP 125°C	CS 0603/COG/50V 27p J T	C185 C191	2	
125	E-C-0404-3900	2341133096	CAP,CHIP 125°C	CS 0603/COG/50V 33p J T	C221 C222 C223	3	
126	E-C-0404-4224	2341147096	CAP,CHIP 125°C	CS 0603/COG/50V 47p J T	C192	1	
127	#N/A	2341150996	CAP,CHIP 125°C	CS 0603/COG/50V 5p J T	C184 C190	2	
128	#N/A	2341168996	CAP,CHIP 125°C	CS 0603/COG/50V 6.8P J T	C187 C188 C189	3	
129	E-C-0404-3816	2346110296	CAP,CHIP 125°C	CS 0603/X7R/50V 1000p K T	C113 C117 C210 C209	4	
130	E-C-0404-4424	2346110396	CAP,CHIP 125°C	CS 0603/X7R/50V 0.01u K T	C114 C118 C120 C200	5	
131	E-C-0404-3815	2346410496	CAP,CHIP 85°C	CS 0603/Y5V/50V 0.1u Z T	C102 C103 C104 C105	72	
132	#N/A	2346747496	CAP,CHIP 85°C	CS 0603/Y5V/16V 0.47u Z T	C153 C156 C159	3	
133	E-C-0404-4213	2347610596	CAP,CHIP 85°C	CS 0805/Y5V/16V 1.0u Z T	C219 C233 C234	3	
134	#N/A	2347710696	CAP,CHIP 85°C	CS 0805/Y5V/10V 10u Z T	C232	1	
135	E-C-0404-4831	2350100114	CAP,ELE SPE	CE69W 100uF/400V 25*25 M TS	C812 RA	1	
136	E-C-0404-4832	2350100214	CAP,ELE SPE	CE69W 100uF/400V 25*25 M LELON	C812 RB	1	
137	#N/A	2350100514	CAP,ELE SPE	CE69W 100uF/400V 25*25 M HEC	C812 RC	1	
138	E-Q-0402-1375	2360100396	XISTOR,PNP R SMD	MMBT3906-7 VISHAY SOT-23	Q105 RA Q106	4	
139	E-Q-0402-1607	2360100596	XISTOR,PNP R SMD	MMBT3906 FAIRCHILD SOT23	Q105 RB Q106	4	
140	#N/A	2360100796	XISTOR,PNP R SMD	MMBT3906 SOT-23 DIODES	Q105 RC Q106	4	
141	E-Q-0402-1378	2360300596	XISTOR,NPN R SMD	MMBT3904-7 VISHAY SOT-23	Q101 RA Q103	3	
142	E-Q-0402-1608	2360300896	XISTOR,NPN R SMD	MMBT3904 FAIRCHILD SOT23	Q101 RB Q103	3	
143	E-Q-0402-1180	2360301296	XISTOR,NPN R SMD	MMBT3904 DIODES SOT-23	Q101 RC Q103	3	
144	#N/A	2360500196	FET,P-CH SMD	SI9953DY-TI TEMIC SO-08	Q102 RA	1	
145	#N/A	2360500996	FET,P-CH SMD	CEM9953A SO-8 CET	Q102 RB	1	
146	#N/A	2360510196	FET,P-CH SMD	SI4953DY SO-8 VISHAY	Q102 RC	1	
147	E-PC-0411-0082	2362401600	PHOTO COUPLR	TLP721F(D4-GR) TOSHIBA	I802 RB	1	
148	E-PC-0411-0083	2362401800	PHOTO COUPLR	TLP621(D4-GR-LF2) TOSHIBA	I802 RA	1	
149	E-D-0403-0462	2363215495	DIODE,RECT	BYV26C PHILIPS	D802	1	
150	E-D-0403-1105	2363217595	DIODE,RECT	20D8 IR	D810 RC D811	4	
151	E-D-0403-1291	2363219895	DIODE,RECT	FUF4004 FAGOR	D803 RA	1	
152	E-D-0403-1465	2363220395	DIODE,RECT	UF4004G T/B PEC	D803 RB	1	
153	E-D-0403-1671	2363224295	DIODE,RECT	20E6 NI(IR)	D810 RB D811	4	
154	E-D-0403-2009	2363227295	DIODE,RECT	2A07 TSC	D810 RA D811	4	
155	E-D-0403-2037	2363300300	DIODE,SCHOTTKY	FCH20A15 20A/150V NI	D804	1	
156	E-D-0403-2038	2363502295	DIODE,ZENER	RD15EB3 14.35V-15.09V 0.5W NEC	D807 RB	1	
157	E-D-0403-1109	2363506395	DIODE,ZENER	HZ15-2 14.5-15.1V 0.5W HITACHI	D807 RA	1	
158	#N/A	2363703891	LED	LED 3φ GRN/YEL	D701	1	
159	#N/A	2364201296	DIODE,RECT(SMD)	BAT54C-7 SOT-23 DII	D119 RA	1	
160	#N/A	2364201896	DIODE,RECT(SMD)	BAT54C CHENMKO SOT-23	D119 RB	1	
161	E-D-0403-2040	2364301096	DIODE,SCHOTTKY(SMD)	B340 DIODES	D101	1	
162	E-D-0403-1779	2364503996	DIODE,ZENER SMD	BZV55-C5V6 PHILIPS	D102	1	
163	E-D-0403-1667	2364600196	DIODE,SWITCH SMD	LL4148 3.5X1.5φ TEMIC GS08	D103 D104 D105 D106	14	
164	E-IC-0401-0836	2365307391	IC,LINEAR	TL431CLP MOTOROLA	I803 RA	1	
165	E-IC-0401-2015	2365316200	IC,LINEAR	24LC16B DIP-8 MICROCHI	I109 RA	1	
166	E-IC-0401-2152	2365321991	IC,LINEAR	KA431AZTA TO-92 FAIRCHILD	I803 RC	1	
167	E-IC-0401-2122	2365326600	IC,LINEAR	KA1M0565R FAIRCHILD	I801	1	
168	#N/A	2365327691	IC,LINEAR	CM431BCN CHAMPION	I803 RB	1	
169	E-IC-0401-2748	2365424000	IC,DIGITAL	AM24LC16(PDIP-8L) ATC	I109 RC	1	
170	E-IC-0401-2747	2365424300	IC,DIGITAL	M24C16-WBN6T ST PDIP8	I109 RB	1	
171	E-IC-0401-2123	2365807496	IC,LINEAR(SMD)	AIC1084-33CM AIC TO-263	I103 RA	1	
172	E-IC-0401-2745	2365810796	IC,LINEAR(SMD)	AP1084K33A(3.3V) TO-263 ATC	I103 RB	1	
173	E-IC-0401-2746	2365810896	IC,LINEAR(SMD)	AP1117DA(ADJ) TO-252 ATC	I104	1	
174	E-IC-0401-2744	2365810996	IC,LINEAR(SMD)	AP15015K5(5V) TO263 ANACHIP	I102 RB	1	
175	E-IC-0401-2124	2365917996	IC,DIGITAL SMD	SN75LVDS83DGG TI	I106 RB I107 RB	2	

176	E-IC-0401-2125	2365919596	IC,DIGITAL SMD	LM2596S-3.3 TO-263	NS	I102 RA	1	
177	E-IC-0401-1932	2365920096	IC,DIGITAL SMD	THC63LVDM83A	THINE	I106 RA I107 RA	2	
178	#N/A	2365921996	IC,DIGITAL SMD	SN74LVC14AD	TI	I105 RB	1	
179	E-IC-0401-2132	2365922496	IC,DIGITAL SMD	74LVC14A	PHILIPS SO14	I105 RA	1	
180	E-IC-0401-2135	2365926196	IC,DIGITAL SMD	NT7181CF	TSSOP NOVATEK	I106 RC I107 RC	2	
181	E-IC-0401-2743	2365928496	IC,DIGITAL SMD	ADE3000SX	PQFP208 ST	I101	1	
182	#N/A	2365928596	IC,DIGITAL SMD	MTV312MV64	PLCC44 MYSON	I108	1	
183	#N/A	2365928896	IC,DIGITAL SMD	M385	TSSOP-56P MRT	I106 RD I107 RD	2	
184	E-X-0415-0119	2369103601	XTAL,OSC	XTAL 12MHZ	CL30P H/S	X102	1	
185	#N/A	2369104701	XTAL,OSC	27MHZ 20PF	+30PPM HC-49/US	X101	1	
186	#N/A	2371107000	COIL,CHOKE	JC186H	28uH 29TS(REF) LAE	L107	1	
187	#N/A	2371150001	COIL,CHOKE	50uH 0.4*3	28Ts T50-52D 2.5A	L108	1	
188	E-L-0407-1533	2371154600	COIL,CHOKE	JD176	5.2UH 15.5T(REF)	L804	1	
189	E-L-0407-1534	2371157800	COIL,CHOKE	JT178A62	ET-24 4P	L805	1	
190	E-T-0408-0480	2374208800	XFORMER,POWR	JT178A62	ERL-28 12PIN	T801	1	
191	E-L-0407-0013	2379101495	FERRITE CORE	3.5X9X0.8		L802	1	
192	#N/A	2379310166	BEAD,HI-IMPEDANCE	Z= 100ohm(50MHZ~)	0603 200mA	L103 L127	2	
193	#N/A	2379512196	BEAD,HI-CURRENT	Z= 120ohm 0805	I>3.0A	L125 L126	2	
194	#N/A	2379560086	BEAD,HI-CURRENT	Z= 60ohm 1206	I>3.0A	L119 L131 L132	3	
195	#N/A	2379580096	BEAD,HI-CURRENT	Z= 80ohm 0805	I>2.5A	L123	1	
196	#N/A	2379812156	BEAD,HI-IMPEDANCE	Z= 120ohm(1MHZ~)	0805 300mA	L101 L102 L110 L111	6	
197	E-L-0407-1536	2379860166	BEAD,HI-IMPEDANCE	Z= 600ohm(50MHZ~)	0805 200mA	L114 L115 L116 L117	5	
198	#N/A	2403702513	SWITCH,TACT	TSTA-2	4.3mm 160g HUA JIE	S701 S702 S703 S704	5	
199	#N/A	2404222230	PIN PLUG	CH71302V1P3	P=2.0 30PIN CVILUX	P105	1	
200	M-MS-0808-6353	2404301003	CONNECTOR	JST XH 4P	SIDE P=2.5 OR EQUAL	P101	1	
201	M-MS-0808-6354	2404301105	CONNECTOR	JST PH 6P	SIDE P=2.0 OR EQUAL	P102	1	
202	M-MS-0808-6355	2404301107	CONNECTOR	JST PH 8P	SIDE P=2.0 OR EQUAL	P103	1	
203	#N/A	2404301112	CONNECTOR	JST PH 13P	SIDE P=2.0 OR EQUAL	P104	1	
204	#N/A	2404339301	CONNECTOR	LEOCO 3951-01(V)	2PIN P=3.96	P801	1	
205	M-MS-0808-9164	2407000100	SOCKET,ASSY	AC INLET ASS'Y	1015#18 L=130	P953	1	
206	M-MS-0808-1313	2407200791	HOLDER,FUSE	FC-05C		F802 RA	1	
207	#N/A	2407200991	HOLDER,FUSE	CQ-05T (5mm DIA FUSE)		F802 RB	1	
208	B-SB-0221-0002	2414502100	INVERTER	JT178P93	EMAX	U901 RA	1	
209	B-SB-0221-0597	2414502200	INVERTER	DIVLJK0221D42-	SAMPO	U901 RB	1	QDI (2nd Source)
210	B-SB-0221-0290	2414500400	INVERTER	PLCD07174	LINK COM	U901 RA	1	CPT
211	B-SB-0221-0434	2414501000	INVERTER	DIVTL0058-D42	SAMPO	U901 RB	1	CPT (2nd Source)
212	A-PC-0106-0123	2427130035	POWER CORD	SVT 18/3	1.8M USA WALL KDS	P951	1	
213	A-PC-0106-0142	2427130055	POWER CORD	E WALL 1.83M(71922)		P952	1	
214	M-WR-0828-6626	2427408181	WIRE HARNESS	8P H/B 1061#26	L=180mm P=2.0	P982	1	
215	M-WR-0828-6627	2427412624	WIRE HARNESS	6P(2.0) H/H 1007#24+112C	350L	P983	1	
216	M-WR-0828-6624	2427412710	WIRE HARNESS	4/5P H/B 1007#20	160L+CORE	P802	1	
217	M-WR-0828-6625	2427430131	WIRE HARNESS	30P JAE F1/15*2P	1571#28 130L	P981	1	
218	A-VIO-0118-0025	2427501149	I/O CABLE	D15/C13 2919(3+6)	1.83M GE96750	P961	1	
219	M-WR-0828-0455	2428106050	JUMPER	0.6 φ 5.00MM		L801 L803	2	
220	M-WR-0828-0450	2428106075	JUMPER	0.6 φ 7.50MM		J701 J702 J802	3	
221	M-WR-0828-0478	2428106100	JUMPER	0.6 φ 10.00MM		J801	1	
222	E-R-0405-7004	2436101012	VARIATOR	SIOV-S14K320	14 φ 510V	R802	1	
223	#N/A	2438501107	CD-OWNER GUIDE	VE175-2 WIZARD DATE:20030616		2P01	1	
224	#N/A	2438501133	CD-OWNER GUIDE	VE175-2 WIZARD DATE:20030818		2P01	1	CPT
225	M-MS-0808-8007	2504250800	ADHESI TAPE	3M #1350 W=10mm	Yellow	K901	1	
226	M-MS-0808-8007	2504250800	ADHESI TAPE	W10mm*L60M*T0.083mm	Yellow	K901	1	
227	#N/A	2700514900	ACCESSORY ASS'Y	VE175(23)		B012	1	
228	#N/A	2700614900	PACKING ASS'Y	VE175(23)		B013	1	
229	#N/A	2701514900	FRONT ASS'Y	VE175(23)		B022	1	
230	#N/A	2701614900	FINAL ASS'Y	VE175B(23)		B023	1	
231	#N/A	2702210900	PCB-CON	VE175(2)		BB31	1	
232	#N/A	2702310900	PCB POWER	VE175(2)		BC31	1	
233	#N/A	2704210900	AUTO INSERT-CON	VE175(2)		BB41	1	
234	#N/A	2704310900	AUTO INSERT-POWER	VE175(2)		BC41	1	

235	#N/A	2708110900	FRONT BEZEL	VE175(2)	BT31	1	
236	#N/A	2708614900	CABI BACK	VE175B(23)	BN31	1	
237	#N/A	2710110900	MANUAL INSERT-MAIN	VE175(2)	BA42	1	
238	#N/A	2710210900	PROCESS-MAIN	VE175(2)	BA43	1	
239	#N/A	2710610900	MANUAL INSERT-CON	VE175(2)	BB42	1	
240	#N/A	2711110900	MANUAL INSERT-POWER	VE175(2)	BC42	1	
241	#N/A	2711210900	PROCESS-POWER	VE175(2)	BC43	1	
242	#N/A	2711310900	MI OTHER-POWER	VE175(2)	BC49	1	
243	#N/A	2718114900	LCD PANEL ASS'Y	VE175(23)	BT32	1	
244	#N/A	2718514900	FRONT OTHER	VE175(23)	BT39	1	
245	#N/A	2718610900	STAND ASS'Y	VE175(2)	BN32	1	
246	#N/A	2719010900	FINAL OTHER	VE175(2)	BN39	1	
247	#N/A	2720110900	V-TYPE-MAIN	VE175(2)	BA52	1	
248	#N/A	2720610900	V-TYPE-CON	VE175(2)	BB52 BB53	2	
249	#N/A	2721110900	V-TYPE-POWER	VE175(2)	BC52 BC53	2	

VE175-2 INDIVIDUAL PARTS OF VSCN-G (China)

Item	ViewSonic P/N	Ref. P/N	Description	Location	Q'ty	Remark
1	A-PC-0106-0143	2427130082	POWER CORD	CHINA WALL 1.83M GE96750	P951	1
2	#N/A	2055613334	LABEL	VIEWSONIC VE175B 3C STICKER	6P04	1
3	#N/A	2002310338	GUARANT CARD	VIEWSONIC CHINA WARRANTY CARD	6P05	1
4	M-LB-0813-0002	2056603050	SERIAL LABEL	VS WARRANTY CARD SERIAL NO-J	6P07	1
5	#N/A	2013051800	POLYETHY BAG	JT166A14 500LX470WX490H t=0.08	6P70	1

VE175b-2 (QDI & CPT) BOM LIST (Different Parts from VE175-2)

Item	ViewSonic P/N	Ref. P/N	Description	Location	Q'ty	Remark
1	M-MS-0808-9159	2002310330	GUARANT CARD	VIEWSONIC VE175B-2 QSG	2P02	1
2	M-MS-0808-9160	2002310371	GUARANT CARD	VIEWSONIC VE175B-2 QSG CPT	2P02	1 CPT
3	P-BX-0601-0884	2011170008	CARTON BOX	VE175B-2 VLCD523895-7W	6P01	1
4	C-BC-0302-0410	2022259205	CABI BACK	PC+ABS MIDNIGHT GRAY NON-STAMP	2C01	1
5	C-FP-0301-0153	2024263004	FRONT BEZEL	PC+ABS 94V0 MIDNIGHT GRAY	1F01	1
6	M-MS-0808-1074	2026252603	CASE	ABS 94HB MIDNIGHT GRAY	2C04	1
7	M-MS-0808-1315	2027255303	DUST COVER	ABS 94HB MIDNIGHT GRAY	5B08	1
8	PL-PS-0715-0187	2028254803	STAND	ABS 94HB MIDNIGHT GRAY	5B01	1
9	PL-BT-0706-0147	2044260904	FUNCTION KEY	ABS 94V0 MIDNIGHT GRAY	1F03	1
10	M-MS-0808-4026	2051350200	NAME PLATE	JD144V3 VIEWSONIC 3BIRDS AL	1F19	1
11	M-LB-0203-0695	2055132060	LABEL	VE175B-2 VLCD523895-7W 030311	6P50	1
12	M-LB-0813-0921	2055132106	LABEL	VE175B-2 VLCD523895-7W CPT	6P50	1 CPT
13	M-LB-0813-0871	2055632025	UPC LABEL	VE175B-2 VLCD523895-7W	6P02	1
14	M-LB-0813-0922	2055632030	UPC LABEL	VE175B-2(3) VLCD523895-7W CPT	6P02	1 CPT
15	M-LB-0203-0065	2055636016	LABEL	VE175B-2 VLCD523895-7W SMALL	6P03	1
16	A-PC-0106-0121	2427130046	POWER CORD	USA WALL 1.8M BLACK	P951	1
17	A-PC-0106-0138	2427130047	POWER CORD	E WALL 1.8M BLACK	P952	1
18	A-CD-VE175B-2	2438501108	CD-OWNER GUIDE	VE175B-2 WIZARD DATE:20030616	2P01	1
19	#N/A	2438501134	CD-OWNER GUIDE	VE175B-2 WIZARD DATE:20030818	2P01	1 CPT
20	#N/A	2700514901	ACCESSORY ASS'Y	VE175B(23)	B012	1
21	#N/A	2700614901	PACKING ASS'Y	VE175B(23)	B013	1
22	#N/A	2701514901	FRONT ASS'Y	VE175B(23)	B022	1
23	#N/A	2701614901	FINAL ASS'Y	VE175B(23)	B023	1
24	#N/A	2708110901	FRONT BEZEL	VE175B(2)	BT31	1
25	#N/A	2708614901	CABI BACK	VE175B(23)	BN31	1
26	#N/A	2718114901	LCD PANEL ASS'Y	VE175(23)	BT32	1
27	#N/A	2718514901	FRONT OTHER	VE175B(23)	BT39	1
28	#N/A	2718610901	STAND ASS'Y	VE175B(2)	BN32	1
29	#N/A	2721210900	H-TYPE-POWER	VA720(2)	BC53	1

VE175b-2 INDIVIDUAL PARTS OF VSCN-G (China) (Different Parts from VE175-2)

Item	ViewSonic P/N	Ref. P/N	Description	Location	Q'ty	Remark
1	#N/A	2427130097	POWER CORD CHINA WALL 1.83M BLACK	P951	1	
2	#N/A	2056606021	SERIAL LABEL VS WARRANTY CARD SERIAL NO-J	6P07	1	

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 VE175-2/ VE175b-2 Service Manual?

<i>Unit</i>	<i>Excellent</i>	<i>Good</i>	<i>Fair</i>	<i>Bad</i>
1. PRECAUTIONS AND SAFETY NOTICES				
2. SPECIFICATIONS				
3. FRONT PANEL FUNCTION CONTROL DESCRIPTION				
4. CIRCUIT DISCRIPTION				
5. ADJUSTING PROCEDURE				
6. TROUBLE SHOOTING FLOW CHART				
7. EXPLODED DIAGRAM				
8. EXPLODED DIAGRAM				
9. BLOCK DIAGRAM				
10. SCHEMATIC DIAGRAM				

B. Are you satisfied with the VE175-2/ VE175b-2 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:			
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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 System & Process (marc.maupin@viewsonic.com)