

Service Manual

ViewSonic E96f+SB-1

Model No. VS10794

19" Digital Controlled Color Monitor

(E96f+SB-1_SM Rev. 1a Dec. 2005)

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

Copyright

Copyright © 2005 by ViewSonic Corporation. All rights reserved. No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language or computer language, in any form or by any means, electronic, mechanical, magnetic, optical, chemical, manual or otherwise, without the prior written permission of ViewSonic Corporation.

Disclaimer

ViewSonic makes no representations or warranties, either expressed or implied, with respect to the contents hereof and specifically disclaims any warranty of merchantability or fitness for any particular purpose. Further, ViewSonic reserves the right to revise this publication and to make changes from time to time in the contents hereof without obligation of ViewSonic to notify any person of such revision or changes.

Trademarks

Optiquest is a registered trademark of ViewSonic Corporation.
ViewSonic is a registered trademark of ViewSonic Corporation.
All other trademarks used within this document are the property of their respective owners.

Revision History

| Revision | SM Editing Date | ECR Number | Description of Changes | Editor |
|----------|-----------------|------------|------------------------|------------|
| 1a | 12/13/05 | | Initial Release | Sophia Kao |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

TABLE OF CONTENTS

| | |
|--|-----------|
| 1. Precautions and Safety Notices | 1 |
| 2. Specification | 3 |
| 3. Front Panel Function Control Description | 6 |
| 4. Circuit Description | 10 |
| 5. Adjusting Procedure | 13 |
| 6. Trouble Shooting Flow Chart | 18 |
| 7. Recommended Spare Parts List | 24 |
| 8. Exploded Diagram And Spare Parts List | 39 |
| 9. Block Diagram | 41 |
| 10. Schematic Diagrams | 50 |
| 11. PCB Layout Diagrams | 54 |

1. Precautions and Safety Notices

WARNING!

This service information is designed for experience repair technicians only and is not designed for use by the general public.

It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.

Products powered by electricity should be serviced or repaired only by experienced professional technicians.

Any attempt to service or repair the product or products dealt within this service information by anyone else could result in serious injury or death.

1. CAUTION

No modification of any circuit should be attempted. Service work should only be performed after you are thoroughly familiar with all of the following safety checks and servicing guide lines.

2. SAFETY CHECK

Care should be taken while servicing this CRT display because of the high voltage used in the deflection circuits. These voltages are exposed in such areas as the associated flyback and yoke circuits.

3. FIRE & SHOCK HAZARD

- 3-1 Insert an isolation transformer between the CRT display and AC power line before servicing the chassis.
- 3-2 In servicing pay attention to original lead dress especially in the high voltage circuit. If a short circuit is found, replace all parts which have been overheated as a result of the short circuit.
- 3-3 All the protective devices must be reinstalled per original design.
- 3-4 Soldering must be inspected for possible cold solder joints, frayed leads, damaged insulation, solder splashes or sharp solder points. Be certain to remove all foreign material.

4. LEAKAGE CURRENT COLD CHECK

- 4-1 Unplug the AC cord and connect a jumper between the two prongs on the plug.
- 4-2 Turn the CRT display power switch "on".
- 4-3 Measure the resistance value with an ohmmeter between the jumpered AC plug and each exposed metallic part on the CRT display such as the metal frame, screwheads, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be 1.8 megohm minimum.

5. LEAKAGE CURRENT HOT CHECK

- 5-1 Plug the AC cord directly into the AC outlet. Do not use an isolation transformer during this check.
- 5-2 Connect a 1500 ohm, 10 watt resistor, paralleled by a 0.15uF capacitor between each exposed metallic part and a good earth ground (as shown in Fig.1).
- 5-3 Use an AC voltmeter with 1000 ohm/volt or more sensitivity and measure the AC voltage across the

combination 1500 ohm resistor and 0.15uF capacitor.

5-4 Move the resistor connection to each exposed metallic part and measure the voltage.

5-5 Reverse the polarity of the AC plug in the AC outlet and repeat the above measurement.

5-6 Voltage measured must not exceed 7.5 volt RMS, from any exposed metallic part to ground. A leakage current tester may be used in the above hot check, in which case any current measured must not exceed 5.0 milliamp. In the case of a measurement exceeding the 5.0 milliamp value, a rework is required to eliminate the chance of shock hazard.

Note: High voltage is present when this CRT display is operating. Always discharge the anode of the picture tube to the display chassis to prevent shock hazard.

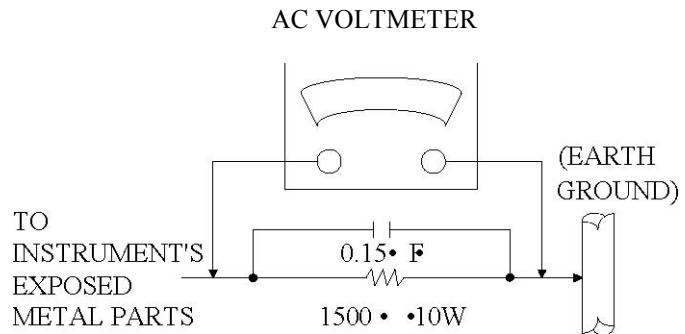


Fig. 1

6. IMPLOSION PROTECTION

Picture tubes are equipped with an integral implosion protection system, but care should be taken to avoid damage and scratching during installation. Use only Panasonic replacement picture tubes.

7. X-RADIATION

WARNING : The only potential source of X-Radiation is the picture tube. However when the high voltage circuit is operating properly there is no possibility of X-Radiation problem. The basic precaution which must be exercised is to keep the high voltage at the following factory-recommended level.


Note : **It is important to use an accurate periodically calibrated high voltage meter.**

7-1 The procedure for adjusting high voltage is shown on page 12.

7-2 If can not be adjust 25.0 KV at immediate service is required to prevent the possibility of premature component failure.

7-3 To prevent X-Radiation possibility it is essential to use the specified picture tube

IMPORTANT SAFETY NOTICE

There are special components used in this CRT displays which are important for safety. These parts are identified by the international symbol  on the schematic diagram and on the replacement parts list. It is essential that these critical parts should be replaced with manufacture's specified parts to prevent X-RADIATION, shock, fire, or other hazards. Do not modify the original design or this will void the original parts and labor guarantee.

2. Specification

- CRT : 46CM(19") 90° Deflection, Shadow Mask Flat ,29mm Neck, flat high contrast CRT, 0.21mm(H) / 0.25mm (D) dot pitch, Non-Glare Screen
- Viewable image Size: 45.9CM (18") diagonal
- Display Color: Unlimited Colors
- External Controls:
Power On/Off, OSD key, Function knob: Contrast, Brightness, Degauss, H-Size, H-Center, V-Center, V-Size, ZOOM, Pincushion, Trapezoid, Pin-Balance, Parallelogram, Rotation, Color Temperature, H-Moire Reduce, V-Morie, Memory Recall, Language, ViewMeter, OSD position select
- Input Video Signal

| Timing | #1 | #2 | #3 | #4 | #5 |
|------------|----------|-----------|-----------|----------|----------|
| Resolution | 640*480 | 640*480 | 640*400 | 800*600 | 1024*768 |
| H(KHz) | 31.347 | 43.269 | 31.469 | 53. 000 | 60.023 |
| V(Hz) | 60 | 85.008 | 70.086 | 85. 000 | 75.029 |
| Timing | #6 | #7 | #8 | #9 | |
| Resolution | 1024*768 | 1280*1024 | 1600*1200 | 1152*870 | |
| H(KHz) | 69. 000 | 79.976 | 75. 000 | 68.680 | |
| V(Hz) | 85. 000 | 75.025 | 60. 000 | 75.000 | |

- Display Size

| | |
|---|--|
| Horizontal Display Size, Primary Preset | 352 mm +/- 4 mm |
| Horizontal Display Size, Other Presets | 352 mm +/- 4 mm |
| Vertical Display Size, Primary Preset | 264 mm +/- 4 mm |
| Vertical Display Size, Other Presets | 264 mm +/- 4 mm |
| Display Size Adjustment | All preset modes shall expand to full screen size. |

- Scanning Frequencies

| | |
|-------------|----------------|
| Horizontal: | 30KHz ~ 86KHz |
| Vertical: | 50 Hz ~ 160 Hz |

- Factory Preset Timings: 9
User Timings: 10

- Misconvergence

| | |
|---------|--------------|
| A Zone: | 0.25 mm Max. |
| B Zone: | 0.35 mm Max. |

- 10. Video Bandwidth: 210 MHz
- 11. Power Source:
Switching Mode Power Supply
AC 90 ~264V, 50/60Hz Universal Type
- 12. Operating Temperature: 0°C to 40°C Ambient
- 13. Humidity: 5% to 95% Relative, Non-Condensing
- 14. Weight: 18.0 kgs / 39.7 (lbs) (Net), 21.2 kgs / 46.7 (lbs) (Gross)

15. Dimensions

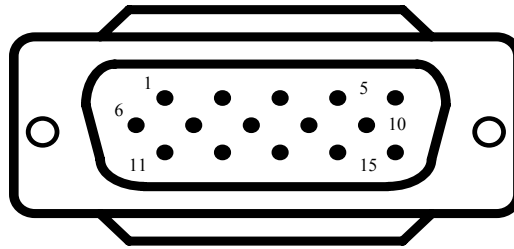
| | Machine | Package |
|----------------|---|----------------|
| Width: | 445 mm (17.6 inches) | 540 mm |
| Height: | 424 mm (16.7 inches) 378 mm (14.9 inches) w/o base | 530 mm |
| Depth: | 465 mm (18.3 inches) | 570mm |

- 16. External Connection:
15 Pin D-sub Connector
AC Power Cord
- 17. Power Consumption Modes :
On <75W typical (Green LED)
Sleep <4W(Amber LED)
Off <2W
- 18. Regulatory/Safety
UL/CUL, FCC-B, CB, CE, DHHS, ICES 003, NOM, TUV/GS, TUV/Ergo, MPRII, GOST-R, SASO, BSMI, CCC, PSB, Argentina-TUV/S, EPA Energy Star (Y2005 tier1)

OPERATING INSTRUCTIONS

This procedure gives you instructions for installing and using the Color display.

1. Position the display on the desired operation and plug the power cord into a convenient AC outlet. Three-wire power cord must be shielded and is provided as a safety precaution as it connects the chassis and cabinet to the electrical conduit ground. If the AC outlet in your location does not have provisions for the grounded type plug, the installer should attach the proper adapter to ensure a safe ground potential.
2. Connect the 15-pin color display shielded signal cable to your signal system device and lock both screws on the connector to ensure firm grounding. The connector information is as follow:



15 - Pin Color Display Signal Cable

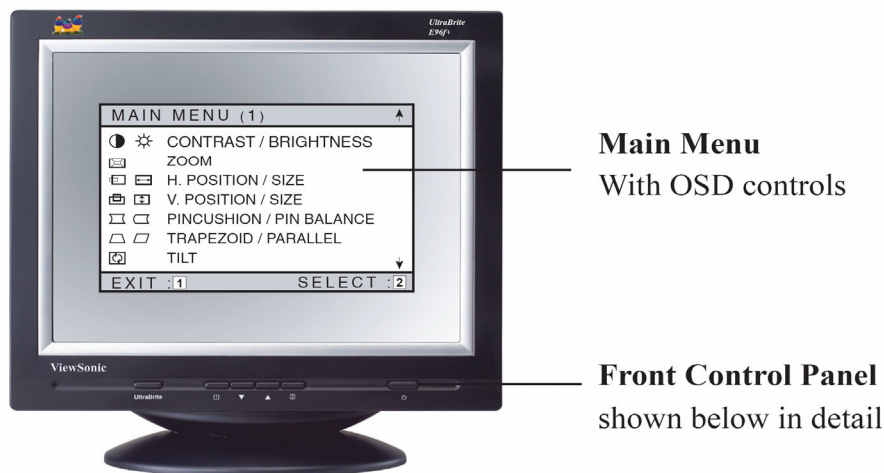
| PIN NO. | DESCRIPTION | PIN NO. | DESCRIPTION |
|---------|-------------|---------|-------------|
| 1. | RED-V | 9. | 5V From PC |
| 2. | GREEN-V | 10. | Sync GND |
| 3. | BLUE-V | 11. | NC |
| 4. | NC | 12. | SDA |
| 5. | GND | 13. | H- SYNC |
| 6. | GND-R | 14. | V- SYNC |
| 7. | GND-G | 15. | SCL |
| 8. | GND-B | | |

3. Apply power to the display by turning the power switch to the "ON" position and allow about thirty seconds for display tube warm-up. The Power-On indicator lights when the display is on.
4. With proper signals feed to the display, a pattern or data should appear on the screen, adjust the brightness and contrast to the most pleasing display.
5. This monitor has power saving function following the VESA DPMS. Be sure to connect the signal cable to the PC.
6. If your color display requires service, it must be returned with the power cord.

3. Front Panel Function Control Description

Adjusting the Screen Image

Use the buttons on the front control panel to display and adjust the OSD controls. The OSD controls are explained at the top of the next page and are defined in “Main Menu Controls” on page 8.

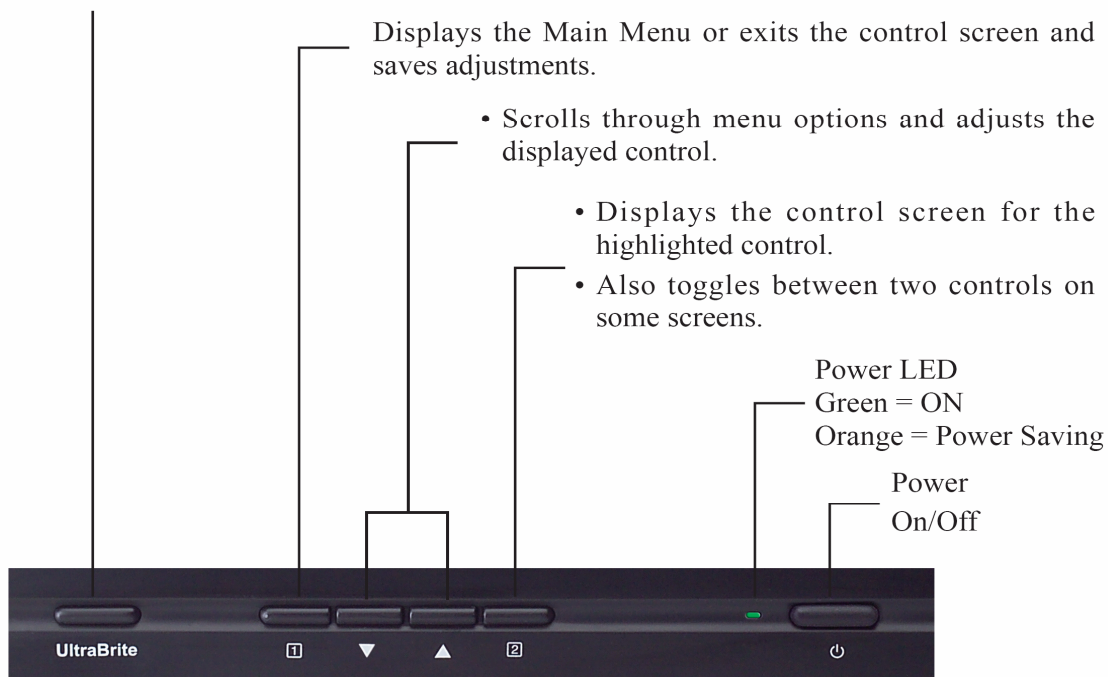


Switches between Normal, UltraBrite 3x and UltraBrite 5x modes.

“Normal : Text/Spreadsheet” : When selected, this brightness level setting display a standard CRT brightness of 120 nits for next and spreadsheet applications.

“Ultrabrite 3x : Graphics/Game” : When selected, this UltraBrite™ setting displays up to 260 nits of brightness for optimum display performance of graphics applications and games .

“Ultrabrite 5x : Video/Movie/DVD” : When selected, this UltraBrite™ setting displays up to 450 nits of brightness for optimized display performance of video applications.



OSD Lock Settings

You have the option of using the On Screen Display (OSD) locking feature, OSD LOCK, to prevent unwanted changes to the current image settings.

- **OSD Lock:** Press and hold the [1] button on the face of the monitor for 10 seconds. The message "OSD LOCK" will then display briefly, indicating that the OSD image settings are now locked.
- **OSD Unlock:** Press and hold the [1] button again for 10 seconds. The message "OSD UNLOCK" will then display briefly, indicating that the OSD image settings are now unlocked.

Do the following to adjust the screen image:

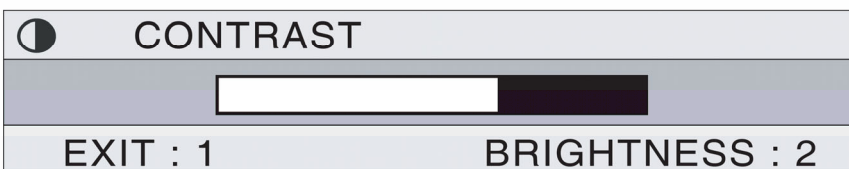
- 1 To display the Main Menu, press button [1].



- 2 To select a control you want to adjust, press the arrow buttons on the front control panel of your monitor and scroll through the choices. When the desired control is highlighted, press button [2].

NOTE: Some controls on the Main Menu are listed in pairs, such as Contrast/Brightness. Display control screen (sample shown in step 3 below). Press button [2] to toggle to the next control in the pair.













- 3 To adjust the setting, such as **CONTRAST** in the sample below, press the arrow buttons.



- 4 To save the control setting and Exit the menu press button [1] twice.

Main Menu Controls

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

| Control | Explanation |
|---|---|
|  | Contrast adjusts the difference between the image background (black level) and the foreground (white level). |
|  | Brightness adjusts the background black level of the screen image |
|  | ZOOM expands and contracts the entire screen image |
|  | Horizontal Position moves the screen image left or right. |
|  | Horizontal Size adjusts width of the screen image. |
|  | Vertical Position moves the screen image up or down. |
|  | Vertical Size adjusts the height of the screen image. |
|  | Pincushion curves the vertical sides of the screen image. |
|  | Pin Balance curves the vertical edges of the screen image to the left or right. |
|  | Trapezoid adjusts the top and bottom of the screen image until they have equal length. |
|  | Parallel slants the vertical edges of the screen image until they are parallel. |
|  | Tilt rotates the entire screen image. |



Degauss removes the build-up of magnetic fields that can cause irregular colors to appear around the edges of screen images. There are two ways to degauss the display: automatically by turning the monitor on, or manually by selecting the Degauss control from the menu. With Degauss selected from the menu, press button [2] to degauss the monitor manually.

Important: *Do not degauss repeatedly. Doing so can be harmful to the display. Wait at least 20 minutes (before selecting this control again).*



ViewMatch® Color provides several color options: several preset color temperatures and User Color which allows you to adjust red (R), green (G), and blue (B). The factory setting for this product is 9300K (9300° Kelvin).

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

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

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

User Color — Individual adjustments for red, green, and blue.



Moire reduces interference patterns that appear as ripples, waves, or unwanted background color textures. Interference patterns of this type are most noticeable when viewing images having closely spaced lines or finely detailed patterns.



Language allows you to choose from among several languages for the menus and control screens: English, French, German, Italian, and Spanish.



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.

Exception: This control does not affect changes made with the **User Color** control.



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



ViewMeter displays the frequencies (horizontal and vertical) coming from the graphics card of the computer.

4. Circuit Description

4-1 MICRO CONTROLLER AND DEFLECTION CIRCUIT

MICRO Controller

The micro controller(IC101) core is a 80C51 type. The micro clock frequency of 12 Mhz is derived from the Xtal oscillator, which is running at 48MHz. The DDC interface is suitable to handle DDC2 by a modified hardware I²C-bus interface. Standard high current ports, 3 ADC ports with voltage inputs and 4 static standard 8 bit DAC outputs (low interference) and one PWM output for digital control application are implemented. The central processing unit (CPU) manipulates operands in two memory spaces. These are the 1024byte internal data memory (consisting of 256 bytes standard RAM and 768 bytes AUX-RAM) and 48K-byte internal program memory. The program memory of the SAA4849 consists of 48K bytes ROM.

The SAA4849P provides sync. Processing with full auto sync. Capability, a flexible SMPS block and an extensive set of geometry control facilities. Further the IC generates the drive waveforms for DC coupled vertical boosters to the TDA4863A.

H/V sync signals processor

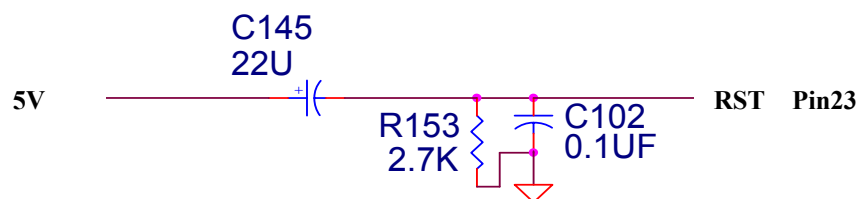
The functions of the sync processor include polarity detection, H-SYNC & V-SYNC signals counting, Programmable SYNC signals output, free running signal generator. Pin52/Pin53 are for the H-SYNC and V-SYNC input. and the polarity are setting in the positive. When no signal input, the Pin49 will output a 75Hz V-SYNC free run signal. The Pin18/20 will output a 60KHz H-SYNC free run signal. for the monitor testing use.

Reset Circuit(pin23)

There are three ways possible to invoke a reset and initialize the SAA4849 micro controller part:

- Via power-on reset circuit
- Via watchdog timer overflow (only micro controller reset)
- Via deflection reset after start up (only micro controller reset)

The reset pin (pin23) is connected to a Schmitt trigger for noise reduction. A reset is accomplished by holding the Reset pin HIGH.



x-ray protection

The x-ray protection(pin22) input XRAY provides a voltage detector with a precise voltage input for X-ray protection. If the input voltage at XRAY exceeds the upper threshold for 150us to 300us, the system is forced to shut down by switching off vertical, H- and B-drive signals. There are two different ways to handle the system in case of XRAY occurrence:

1. If the xray latch enable bit UCXRAY[2] was set to "0" during startup the system will shut down without any interference of the uC. The deflection controller is set to idle mode. Restart of the system only possible due to switching power off/power on.
2. If register bit UCXRAY[2] was set to "1", micro controller interaction is allowed. If the micro controller doesn't interrupt the system, the system will shut down to idle mode. For any interaction of the micro controller the XRAY occurrence has to be acknowledged by the micro controller by clearing the bit SY-STATUS[2]. The micro controller take over the control of the handling via software. The actual xray pin status can be read through bit SY-STATUS[1].

Quartz Oscillator(pin45,pin46)

The quartz oscillator circuit is available on pins XTAL1(input) and XTAL2(output) and works together with an external 48MHz 3rd overtone quartz. As a result the quartz oscillator is always running on 48MHz. Other quartz crystal frequencies than 48 MHz cannot be used. External capacitors on XTAL1 and XTAL2 are not allowed.

B+ Control Function Block

The B+ control block of the SAA4849 has the same behaviour as the TDA4856 with adapted threshold voltages. The circuit allows the user to choose the trigger edge of the HDRV signal and the polarity of the output stage via I²C-Bus.

The B+ control function block of the SAA4849 consists of an Operational Transconductance Amplifier(OTA), a voltage comparator, a flip-flop and a discharge circuit. This configuration allows easy application for different B+ control concepts.

HPLL

The horizontal part contains a PLL, which works over the full frequency range from 25kHz to 140 kHz. This range can be reduced by a lower and an upper frequency limit (Write Once Registers HPMAX and HPMIN). Via I²C bus the number of 48MHz clock cycles is sent through the register. The slewing speed during mode change is also programmable in a write once register (HSLEW)

After the clocks for the HPLL are switched on, the HPLL starts with a fixed freerunning frequency of 60 kHz. The H-drive pulses are not active and the start up procedure is inhibited. The default setting of register bit HCONTROL [0] will cause the HPLL to slew, not switch, to the freerunning frequency defined in the I²C register HPFREE (the default value is also 60 kHz). Independent on H-syncs which are possibly present, the HPLL will slew to that freerunning frequency. To achieve an always defined starting point for the startup procedure, this procedure cannot be interrupted.

4-2 TRANSISTOR & DIODE CIRCUIT





| LOCATION | CIRCUIT FUNCTION DESCRIPTION |
|---------------------|--|
| BD901 | Bridge Rectifier for AC Source |
| D910 | Clamp Diode for snub CKT |
| D919 | Rectifier for Output Voltage |
| D922 | Rectifier for Output Voltage |
| D923 | Rectifier for Output Voltage |
| D930 | Rectifier for Output Voltage |
| D918 | Rectifier for Output Voltage |
| IC901 | Power IC for Switching Power Control. |
| Q937, Q937 | Use for Power Saving |
| Q912, Q920 | Push-Pull Topology to Drive Q911 |
| Q913 | Degaussing Switcher Transistor |
| IC903 | 5V Regulator IC |
| Q403 | HOR. Driver Transistor |
| Q417,Q418,Q416,Q420 | Horizontal s correction control MOSFET |
| Q406 | Transistor for H-Size Control |
| Q705 | Brightness Control CKT |
| Q742 | V-Dynamic focus CKT |
| Q402 | Q403 Driver MOSFET |
| Q901 | MOS FET for Switching Power Control. |
| | |
| | |
| | |
| | |

5. Adjusting Procedure


5-1 ADJUSTMENT CONDITIONS AND PRECAUTIONS

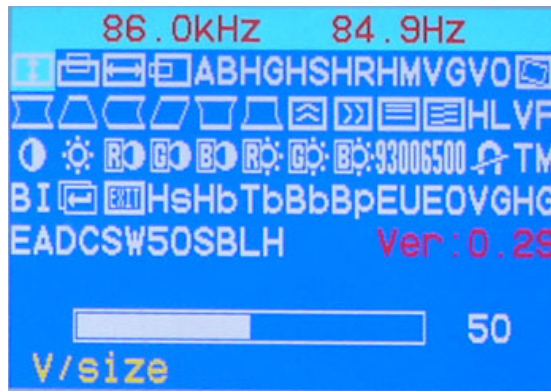
1. Approximately 30 minutes should be allowed for warm up before proceeding.
2. Adjustments should be undertaken only on those necessary elements since most of them have been carefully preset at the factory.

5-2 MAIN ADJUSTMENTS


| NO. | FUNCTION | LOCATION | DESIGNATION |
|-----|---|----------------|-----------------------|
| 1. | 14V ADJ | PCB - MAIN | VR903 |
| 2. | B + ADJ | PCB - MAIN | VR902 |
| 3. | SCREEN ADJ | FLY BACK TRANS | T402 SCREEN VR |
| 4. | FOCUS ADJ | FLY BACK TRANS | T402 FOCUS VR1&VR2 |
| 5. | ABL ADJ | PCB - MAIN | AB in factory OSD |
| 6. | FUNCTION ADJ | PCB - MAIN | (SW101) |
| | -MENU  | | |
| | -UP  | PCB - MAIN | (SW102) |
| | -DOWN  | PCB - MAIN | (SW103) |
| | -SELECT  | PCB - MAIN | (SW104) |

5-3 ADJUSTMENT METHOD


1. 14V, B + & HV voltage adjustment:
 - A. Chroma-2000 Signal generator or PC equivalent set mode 1, VGA 640X480 pattern 1.0.
 - B. Connect a DC Volt meter between TP901 and ground, then adjust VR903 to be 14VDC.
 - C. Connect a DC Volt meter between TP902 and ground, then adjust VR902 to be 65.5 VDC.
2. Factory preset Timings Adjustment:
 - A. Press  Key to show OSD window press Up or Down Key to switch the functional controls.
 - B. Press the Up Key to select the "ZOOM" function, then press the MENU Key. While do not release the MENU Key until the OSD window changed to the Factory preset window.
 - C. The Factory preset window contains the following functional controls. Select one of the control. Then press the Up/Down Key to adjust its value for the optimum picture.



| | | | |
|-----------|-----------------------|-----------|-----------------------|
| | CONTRAST | | V-LINEARITY |
| | BRIGHTNESS | | V-LINEARITY |
| | H-CENTER | | R-GAIN |
| | H-SIZE | | G-GAIN |
| | V-CENTER | | B-GAIN |
| | V-SIZE | | R-BIAS |
| | DEGAUSS | | G-BIAS |
| | PINCUSHION | | R-BIAS |
| | TRAPEZOID | 9300 | COLOR TEMPERATURE |
| | PIN-BALANCE | 6500 | COLOR TEMPERATURE |
| | PARALLELOGRAM | 50 | COLOR TEMPERATURE |
| | ROTATION | | OSD EXIT |
| HD | H-DRIVER COMPENSATION | VG | MAX V-SIZE GAIN RANGE |
| HG | H-SIZE GAIN | | H-MOIRE REDUCE |
| HS | SUB H-SIZE | | V-MOIRE REDUCE |
| | TOP CORNER | HL | H-Linearity Modify |
| | BOTTOM CORNER | VF | V-FOCUS ADJUST |


| | | | |
|---|---------------------------|-----------|---------------------|
| HR | V-HV Variation rate ajust | TM | BURN IN TIME |
| HM | MAX H-SIZE RANGE | BI | SET BURN-IN |
| Hs | SUB H-SIZE | Bb | BOTTOM BALANCE |
| Hb | H-SIZE WAVE BALANCE | Bp | B+ VOLTAGE ADJUST |
| Tb | TOP BALANCE | EU | EHT CURRENT |
| EO | EHT OFFSET | EA | EHT AUTO ADJUST |
| VG | MAX V-SIZE GAIN RANGE | DC | video IC dc off set |
| HG | H-SIZE GAIN | SW | H-frequency select |
| SB | HIGH BRIGHTNESS SELECT | LH | Brightness Save |
|  | RETURN | VO | V-CENTER OFFSET |

D. To switches the input signal to the other Timing Mode. Please follow step A ~ C to get the optimum picture.

E. Select the " " RETURN function and press the MENU Key, then the Factor Preset window will be returned to the original OSD window.(user's operating condition)

F. The setting data of the CONTRAST, BRIGHTNESS, PIN-BALANCE, PARALLELOGRAM, ROTATION, COLOR TEMPERATURE are common mode saved in the memory. Don't needed adjust it individual at every timing Mode and save in the memory.

3. White Balance, Luminance adjustment:

A. Press MENU Key to show OSD menu ,and press the down Key to select the "size/center" function, then press the menu Key to enter second menu, press the down key to select " "(zoom) about 10S,,then enter into factory setting area for modulation.

B. Set R,G,B gain DAC value for 30, R ,G ,B bias DAC value for 30.

C. Raster Pattern, Brightness & contrast ratio MAX, adjust G2,make $Y=3.0 \pm 0.3 \text{ cd/m}^2$, adjust R or B bias, make $x=260 \pm 10$, $y=290 \pm 1$,then save it into 9300K,6500K,5000K color temprature.

D. Set the value of LH is 3.

E. Small white screen appears ,make brightness DAC value for 100, adjust R or G or B gain, make $x=346 \pm 10$, $y=359 \pm 10$, $Y=340 \sim 360 \text{ cd/m}^2$, then save it into 5000K color temprature .

F. Small white screen appears ,make brightness DAC value for 100,adjust R or G or B gain, make $x=313 \pm 10$, $y=329 \pm 10$, $Y=340 \sim 360 \text{ cd/m}^2$, then save it into 6500K color temprature .

G. Small white screen appears ,make brightness DAC value for 100,adjust R or G or B gain, make $x=283 \pm 10$, $y=297 \pm 10$, $Y=455 \sim 470 \text{ cd/m}^2$, then save it into 9300K color temprature.

H. Set SB for 2.

J. Raster Pattern, contrast ratio max,adjust brightness value, make $Y=0.25 \sim 0.3 \text{ cd/m}^2$.

K. Select the 5000 color temprature ,brightness cut off,repeat step E, make $x=346 \pm 10$, $y=359 \pm 10$, $Y=298 \pm 10 \text{ cd/m}^2$, then save it into 5000K color temprature .

L. Select the 6500 color temperature , brightness cut off, repeat step E, make $x=313\pm 10$, $y=329\pm 10$, $Y=298\pm 10$ cd/m^2 ,then save it into 6500K color temperature .

M. Select the 9300 color temperature , brightness cut off, repeat step E, make $x=283\pm 10$, $y=297\pm 10$, $Y=300\pm 15$ cd/m^2 ,then save it into 9300K color temperature.

N. Set SB value for 2

O. Select the 5000 color temperature ,brightness cut off,repeat step E, make $x=346\pm 10$, $y=359\pm 10$, $Y=155\pm 5$ cd/m^2 ,then save it into 5000K color temperature .

P. Select the 6500 color temperature , brightness cut off, repeat step E, make $x=313\pm 10$, $y=329\pm 10$, $Y=155\pm 5$ cd/m^2 ,then save it into 6500K color temperature .

Q. Select the 9300 color temperature , brightness cut off, repeat step E, make $x=283\pm 10$, $y=297\pm 10$, $Y=155\pm 5$ cd/m^2 ,then save it into 9300K color temperature.

R. Select the white screen appears,brightness cut off, contrast ratio MAX, adjust VR701, make $Y=102\pm 5$ cd/m^2 .

S. After modulation, it's necessary to check if the white balance accords with the normal specification. If not, which needs reset.

REMARK: 1.Adjust white Balance , fix to G Bias;

2. white Balance test spec.

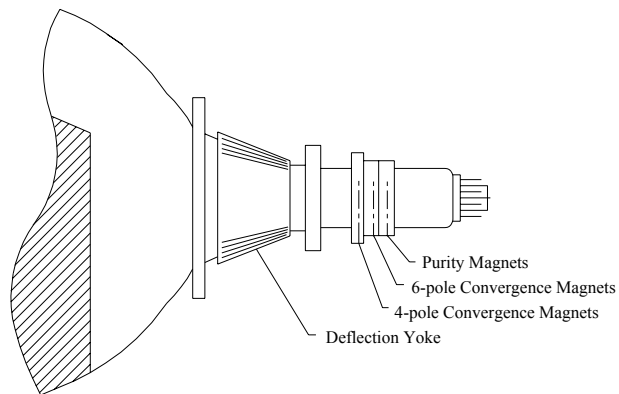
4. Focus Adjustment:

- A. under 1024×768 Fv: 85Hz with character full page.
- B. Adjust brightness to center and contrast to max.
- C. Then adjust focus VR1 to a fine vertical line.
- D. Adjust focus VR2 to a fine horizontal line.
- E. Repeat step C & D.then fix the Focus VR, G2 VR .

5. Purity Adjustment

- A. Be sure that the display is not being exposed to any external magnetic fields.
- B. Ensure that the spacing between the Purity, Convergence, Magnet, (PCM), assembly and the CRT stem is 29mm.
(See below diagram)
- C. Produce a complete, red pattern on the display. Adjust the purity magnet rings on the PCM assembly to obtain a complete field of the color red. This is done by moving the two tabs in such a manner that they advance in an opposite direction but at the same time to obtain the same angle between the two tabs, which should be approximately 180'.
- D. Check the complete blue and complete green patterns to observe their respective color purity. Make minor adjustments if needed.

RELATIVE PLACEMENT OF TYPICAL COMPONENTS

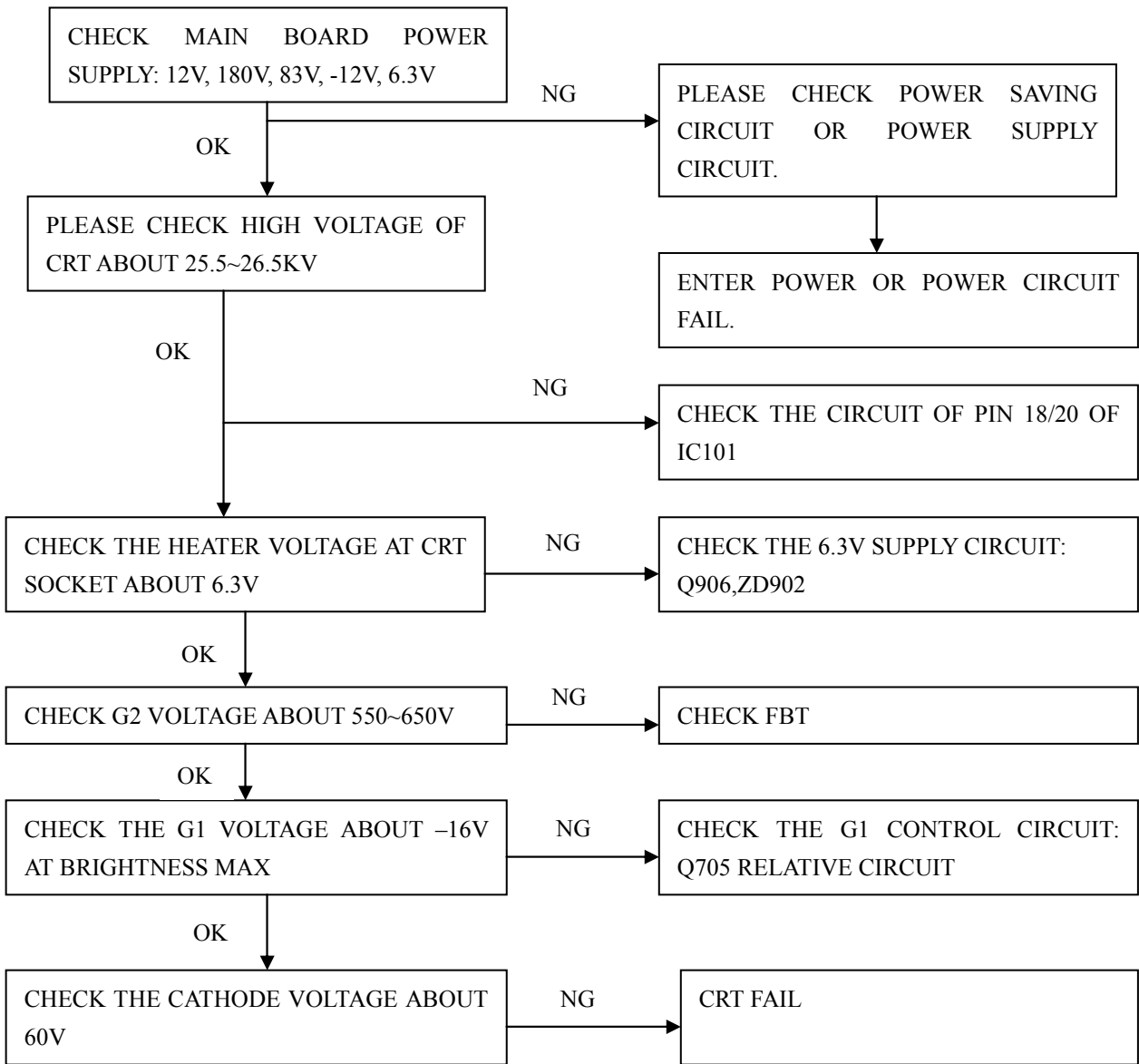


6. Convergence adjustment

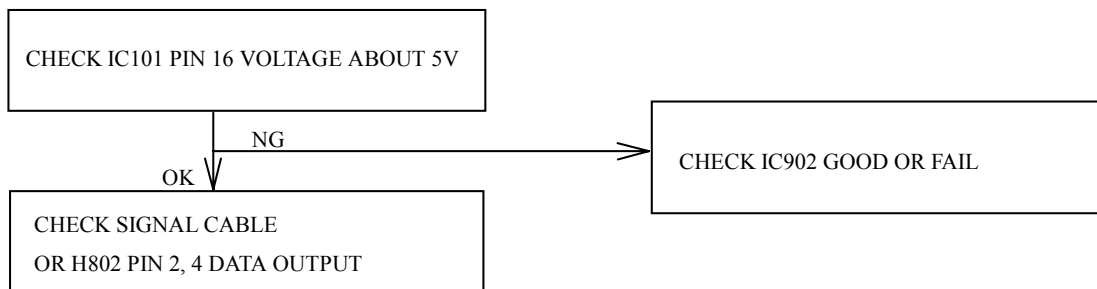
- A. Produce a magenta crosshatch on the display.
- B. Adjust the focus for the best overall focus on the display.
Also adjust the brightness to the desired condition.
- C. Vertical red and blue lines are converged by varying the angle between the two tabs of the 4 pole magnets on the PCM assembly. (See above diagrams)
- D. Horizontal red and blue lines are converged by varying the two tabs together, keeping the angle between them constant.
- E. Produce a white crosshatch pattern on the display.
- F. Vertical green and magenta lines are converged by varying the angle between the two tabs of the 6-pole magnets.
- G. Horizontal green and magenta lines are converged by varying the two tabs together, keeping the angle between them constant.

6. Trouble Shooting Flow Chart

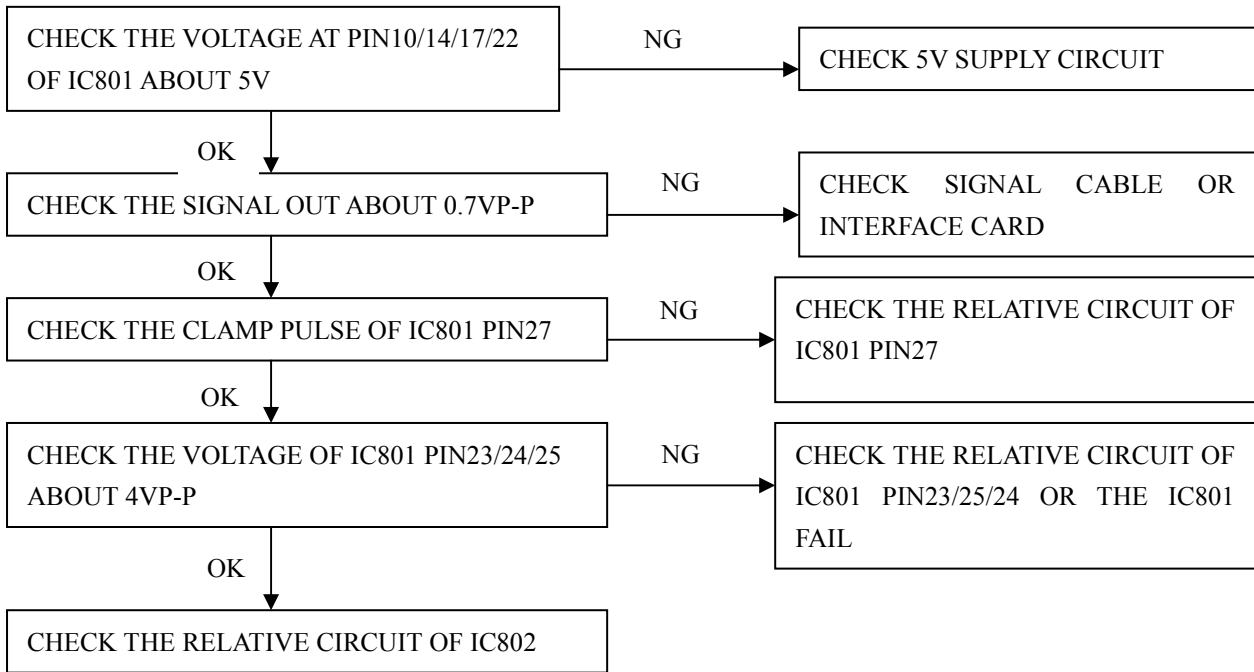
6-1. NO RASTER, CRT RELATIVE CIRCUIT PROBLEMS



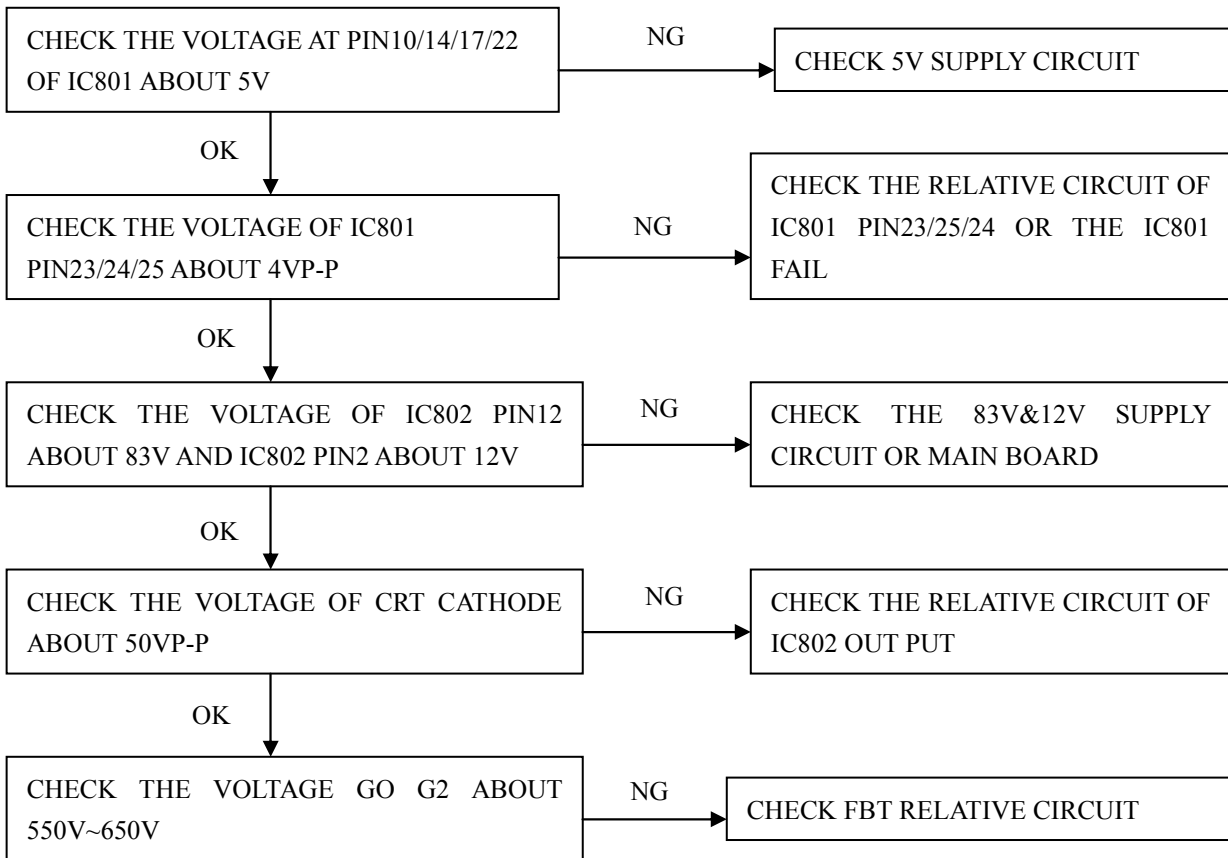
6-2. ABNORMAL DDC (PLUG & PLAY)



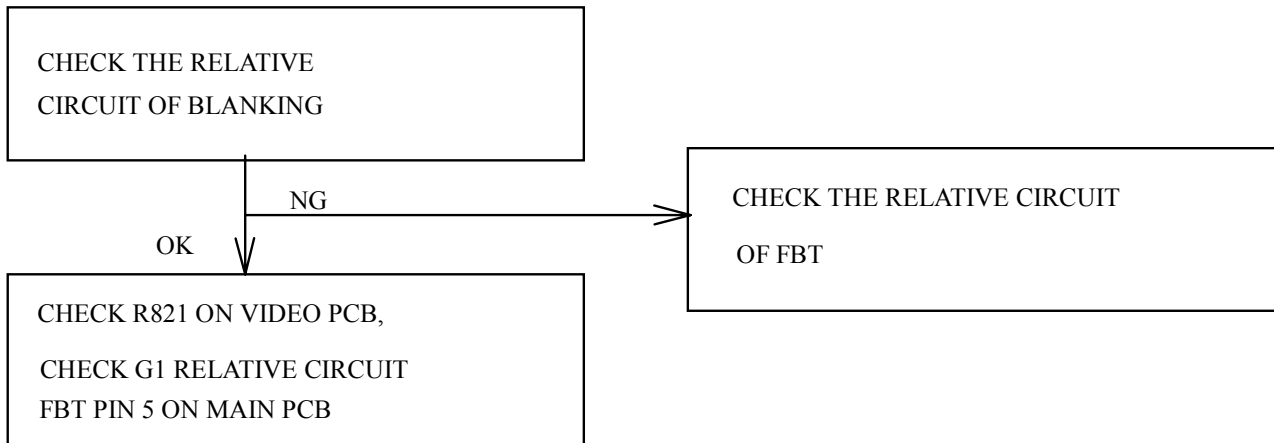
6-3. ABNORMAL VIDEO LEVEL ON SCREEN



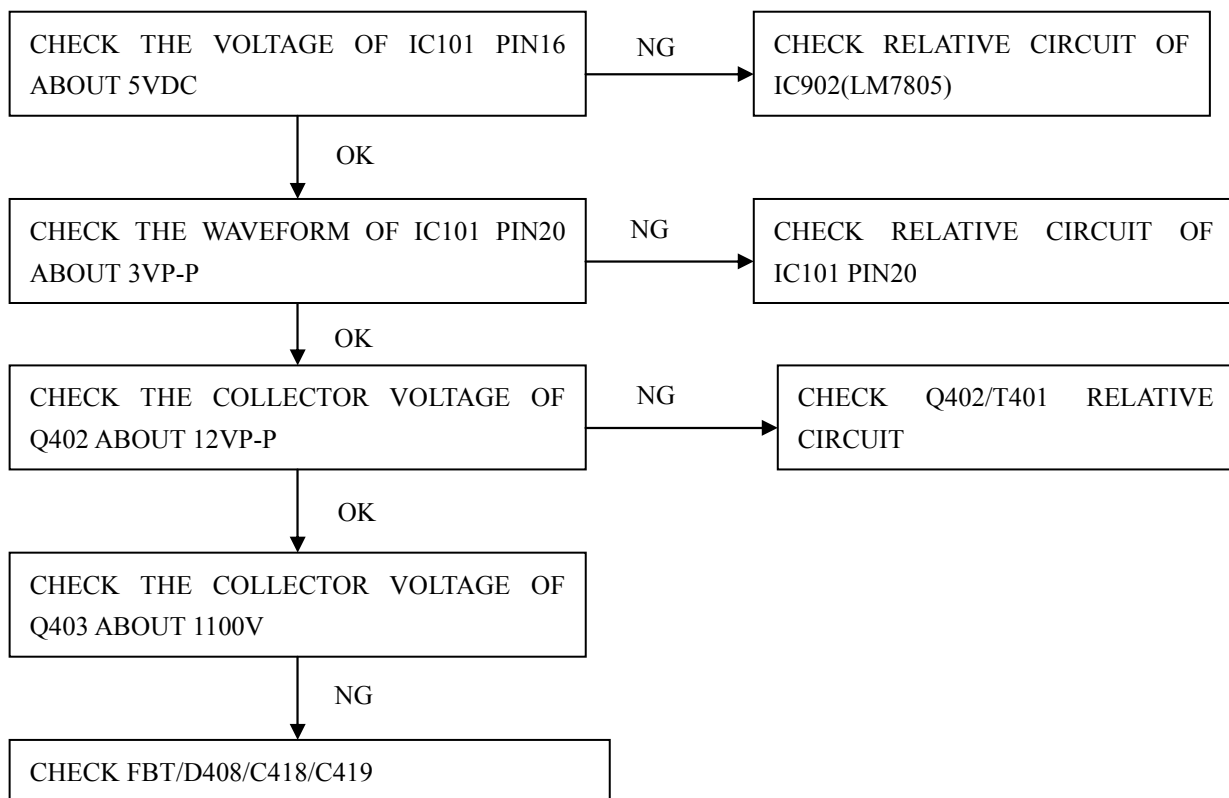
6-4. NO SIGNAL ON SCREEN



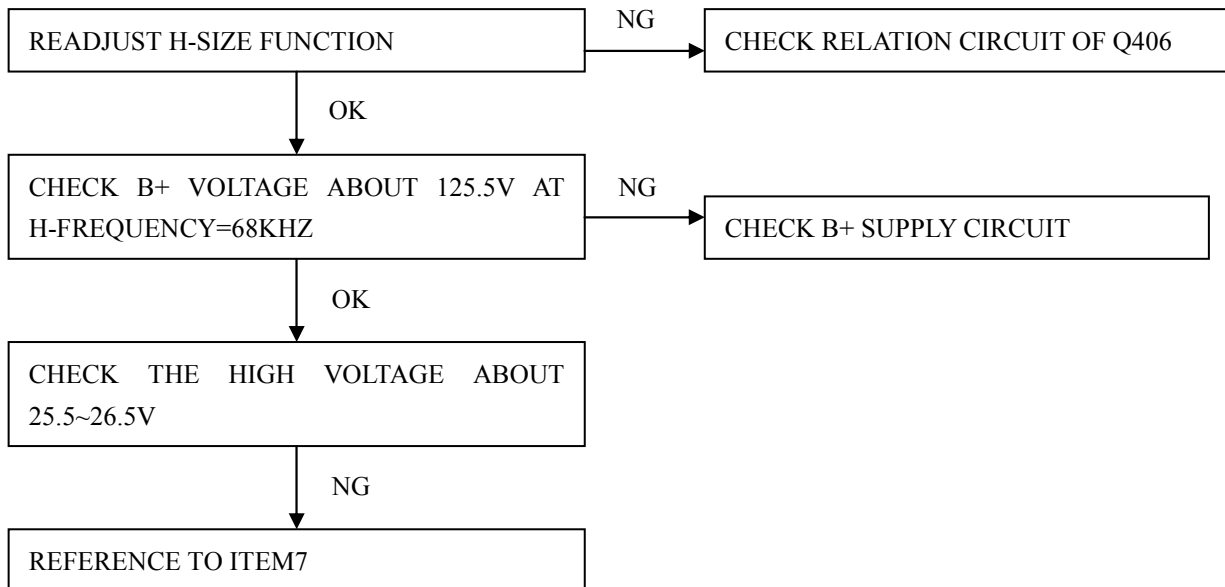
6-5. NO BLANKING



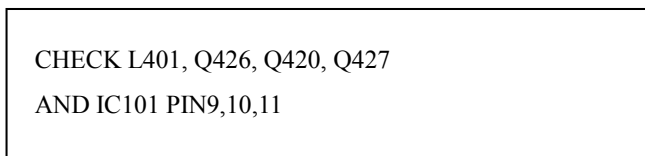
6-6. ABNORMAL HORIZONTAL WIDTH OF VIDEO



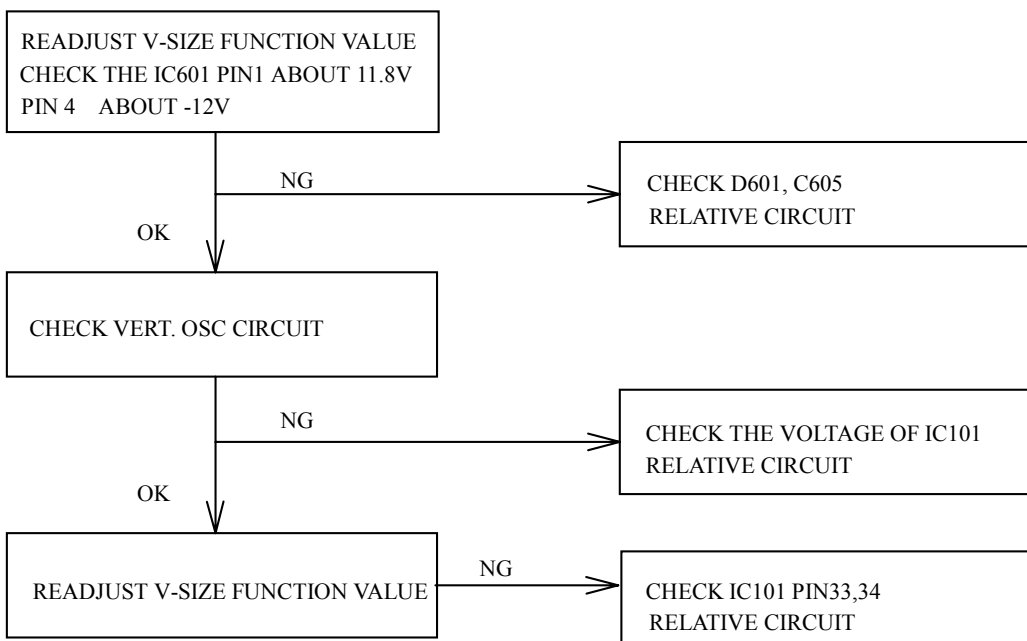
6-7. ABNORMAL HORIZONTAL WIDTH OF VIDEO



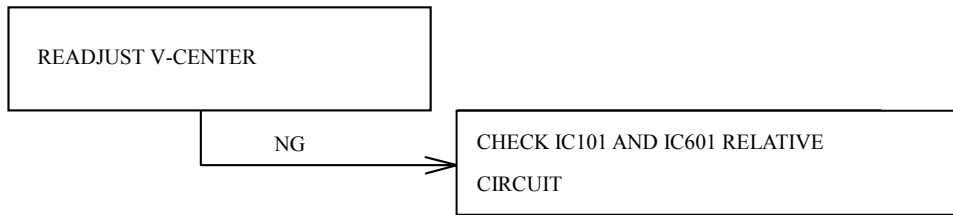
6-8. ABNORMAL HORIZONTAL LINEARITY



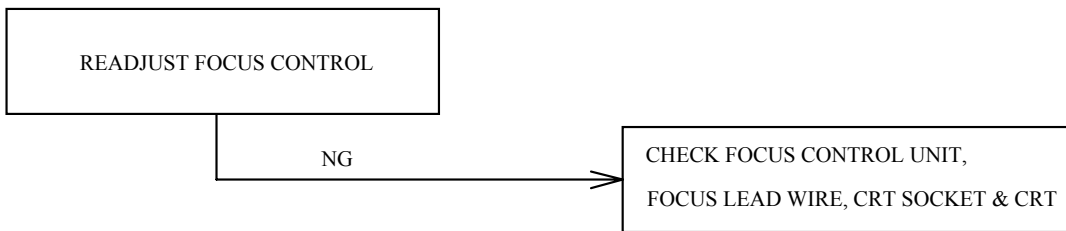
6-9. ABNORMAL VERTICAL SIZE



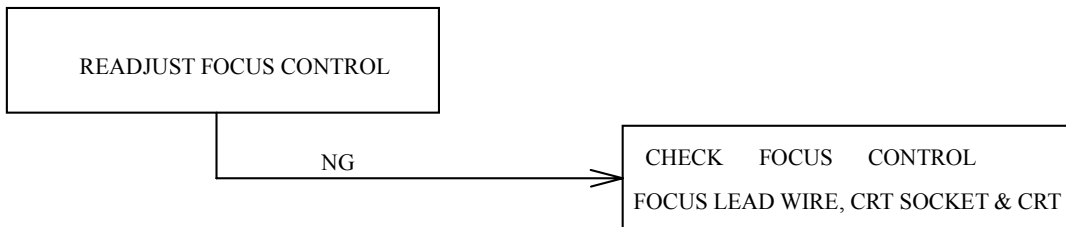
6-10. VERTICAL CENTER



6-11. SIDE-PIN CUSHION DISTORTION



6-12. POOR FOCUS

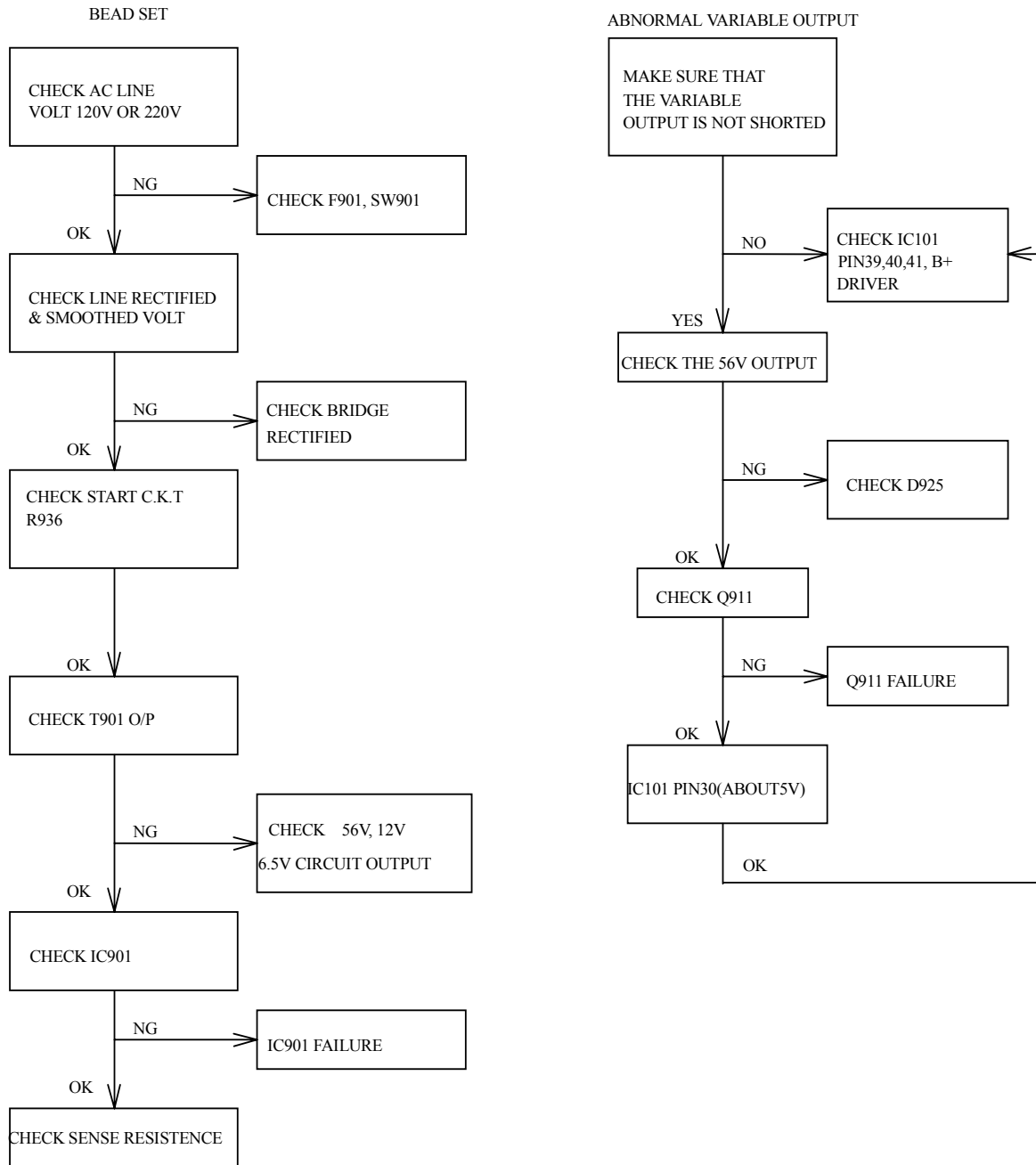


6-13. POWER SUPPLY TROUBLE SHOOTING CHART

BEFORE CHECK SW.REG. PLEASE REFER TO THE POWER SUPPLY BLOCK DIAGRAM

POWER SUPPLY OUTPUT: (A) VARIABLE OUTPUT : 60V

(B) CONSTANT OUTPUT : 6.3V, 12V, 83V, 180.V, -12V



7. Recommended Spare Parts List

RECOMMENDED SPARE PARTS LIST (E96f+SB-1G)

ViewSonic Model Number: VS10794-1G

Rev: 1a

Serial No. Prefix: PTD

| Item | Description | ECR/ECN | ViewSonic P/N | Ref. P/N | Location | Universal number# | Q'ty |
|------|------------------------------------|---------|---------------|----------------|---------------------|-------------------|------|
| 1 | Accessories: | | | | | | |
| | POWER CORD (-G) | | A-00004050 | 89C414A18N IS | E089A | | 1 |
| 3 | Board Assembly: | | | | | | |
| | CHASSIS FOR B985D-1VSC (-G) | | B-00004530 | CMB985D1NVSC | | | 1 |
| 5 | | | | | | | |
| | CRT BAORD (-G) | | B-00004532 | CRB985D1NVSC | | | 1 |
| 7 | Cabinets: | | | | | | |
| | BASE | | C-00004373 | 34C 741 QD L | | | 1 |
| 8 | | | | | | | |
| | FRONT PANEL | | C-00004534 | 34C6285AFK F | | | 1 |
| 9 | | | | | | | |
| | BACK COVER | | C-00004524 | 34C6286 FK F | | | 1 |
| 10 | Cables: | | | | | | |
| | SIGNAL CABLE | | CB-00004535 | 89C 71B8MCHB5 | | | 1 |
| 11 | Documentation: | | | | | | |
| | CD MANUAL (E96f+SB-G) | | DC-00004536 | 70CD920709 1B | | | 1 |
| 13 | Electronic Components : | | | | | | |
| | IC TEA1507P | | E-00004060 | 56C 625500 S | IC901 | | 1 |
| 14 | | | | | | | |
| | IC SAA4849PS | | E-00004059 | 56C1125575 X | IC101 | | 1 |
| 15 | | | | | | | |
| | IC TDA4863A/PHILIPS | | E-00002874 | 56C 584 1A | IC601 | | 1 |
| 16 | | | | | | | |
| | IC LM1276 | | E-00004538 | 56C 366520 | IC801 | | 1 |
| 17 | | | | | | | |
| | IC LM2476 | | E-00004061 | 56C 551525 | IC802 | | 1 |
| 18 | | | | | | | |
| | TRANSISTOR STP9NK70Z | | E-00004071 | 57C 724502 | Q901 | | 1 |
| 19 | | | | | | | |
| | TRANSISTOR 2SJ584LS | | E-00004070 | 57C 751 4 | Q911 | | 1 |
| 20 | | | | | | | |
| | TRANSISTOR MOSFET | | E-00004066 | 57C 600 14 | Q417,Q418,Q416,Q420 | | 1 |
| 21 | | | | | | | |
| | TRANSISTOR IRF630M/S.T | | E-00004069 | 57C 600 21 | Q406 | | 1 |
| 22 | | | | | | | |
| | TRANSISTOR PHILIPS 1500V/12A BU252 | | E-00004067 | 57C 705 7 A | Q403 | | 1 |
| 23 | | | | | | | |
| | TRANSFORMER LITAI | | E-00004539 | 80C995D 1 L2 | T901 | | 1 |
| 24 | | | | | | | |
| | DRIVE TRANSFORMER | | E-00004063 | 79C 167118 LC | T401 | | 1 |
| 25 | | | | | | | |
| | FBT,SHAMPO | | E-00004540 | 79C 793 1ALB | T402 | | 1 |
| 26 | | | | | | | |
| | DRIVER TRANSFORMER | | E-00001632 | 79C 167124 HB | T403 | | 1 |
| 27 | | | | | | | |
| | INDUCTOR COIL | | E-00004074 | 73C 147542 H | L401 | | 1 |
| 28 | | | | | | | |
| | PTCR 90HM+-20% 220V WAL | | E-00002725 | 61C 52 27 4W | PR901 | | 1 |
| 29 | | | | | | | |
| | FUSE 4A 250V LF-618 004 | | E-00002695 | 84A 7H400 SL | F901 | | 1 |
| 30 | | | | | | | |
| | CAPACITOR 150UF 450V | | E-00001201 | 67C 3015115X | C907 | | 1 |
| 31 | | | | | | | |
| | NTCR 100HM+-20% 5A THIN | | E-R-0405-0377 | 61C 58 9T | NR901 | | 1 |
| 32 | | | | | | | |
| | DIODE U4KB80R | | E-00004072 | 93C 50460 16 | BD901 | | 1 |
| 33 | | | | | | | |
| | DIODE SBYV26C | | E-00004541 | 93C106050652T | D919 | | 1 |
| 34 | | | | | | | |
| | DEGAUSSING COIL | | E-00004542 | 750A1697 77BAG | NA | | 1 |
| 35 | | | | | | | |
| | CHOKE COIL | | E-00004062 | 73C 253513 H | L906 | | 1 |
| 36 | | | | | | | |
| | INDUCTOR 150UH +-10% FOR TDK | | E-00002875 | 73C 253 69 T | L405 | | 1 |
| 37 | | | | | | | |
| | IC M24C08-WBN6P | | E-00002717 | 56C1133508 | IC102 | | 1 |
| 38 | | | | | | | |
| | PICTURE TUBE 19" MPRII CRT ASS'Y | | E-00004543 | 750A55379852AV | E750A | | 1 |
| 39 | Hardware: | | | | | | |
| | SCREW | | HW-00002750 | B1C1035 10 47 | | | 1 |
| 40 | | | | | | | |
| | SCREW 4X7(FOR AC) | | HW-00002758 | D1C1140 7128 | | | 1 |
| 41 | | | | | | | |
| | SCREW | | HW-00002749 | Q1C 340 16 47 | | | 1 |
| 42 | Miscellaneous: | | | | | | |
| | Rear Bracket | | HW-00004075 | 15C5659500 2 | | | 1 |
| 43 | | | | | | | |
| | CARTON | | P-00004544 | 44C6925709 2A | | | 1 |
| 44 | | | | | | | |
| | | | P-00004077 | 44C6932 1 | | | 1 |
| 45 | Packing Material: | | | | | | |
| | EPS CUSHION | | P-00004078 | 44C6932 2 | | | 1 |
| 46 | | | | | | | |
| | PE BAG FOR MONITOR | | P-00004101 | 45C 76 20 RN | | | 1 |

Remark 1: Above listed items are examples, supplier can expand the rows to add more necessary items.

Remark 2: All revised RSPLs with newly added items or any change made should be highlighted and correlated with the ECN/ECR approved by ViewSonic Corporation. This is to eliminate repeated cross checks of each item between this version and prior versions.

RECOMMENDED SPARE PARTS LIST (E96f+SB-1P)

ViewSonic Model Number: VS10794-1P

Rev: 1a

Serial No. Prefix: PTE

| Item | Description | ECR/ECN | ViewSonic P/N | Ref. P/N | Location | Universal number# | Q'ty |
|------|------------------------------------|---------|---------------|----------------|---------------------|-------------------|------|
| 2 | Accessories: | | | | | | |
| | POWER CORD (-P) | | A-00004529 | 89C402A18N LS | E089A | | 1 |
| 4 | Board Assembly: | | | | | | |
| | CHASSIS FOR B985D-1VSC (-P) | | B-00004531 | CMB985D1NVW | | | 1 |
| 6 | | | | | | | |
| | CRT BAORD (-P) | | B-00004533 | CRB985D1NVSC | | | 1 |
| 7 | Cabinets: | | | | | | |
| | BASE | | C-00004373 | 34C 741 QD L | | | 1 |
| 8 | | | | | | | |
| | FRONT PANEL | | C-00004534 | 34C6285AFK F | | | 1 |
| 9 | | | | | | | |
| | BACK COVER | | C-00004524 | 34C6286 FK F | | | 1 |
| 10 | Cables: | | | | | | |
| | SIGNAL CABLE | | CB-00004535 | 89C 71B8MCHB5 | | | 1 |
| 12 | Docuemtations: | | | | | | |
| | CD MANUAL (E96f+SB-P) | | DC-00004537 | 70CD920709 1A | | | 1 |
| 13 | Electronic Components : | | | | | | |
| | IC TEA1507P | | E-00004060 | 56C 625500 S | IC901 | | 1 |
| 14 | | | | | | | |
| | IC SAA4849PS | | E-00004059 | 56C1125575 X | IC101 | | 1 |
| 15 | | | | | | | |
| | IC TDA4863A/PHILIPS | | E-00002874 | 56C 584 1A | IC601 | | 1 |
| 16 | | | | | | | |
| | IC LM1276 | | E-00004538 | 56C 366520 | IC801 | | 1 |
| 17 | | | | | | | |
| | IC LM2476 | | E-00004061 | 56C 551525 | IC802 | | 1 |
| 18 | | | | | | | |
| | TRANSISTOR STP9NK70Z | | E-00004071 | 57C 724502 | Q901 | | 1 |
| 19 | | | | | | | |
| | TRANSISTOR 2SJ584LS | | E-00004070 | 57C 751 4 | Q911 | | 1 |
| 20 | | | | | | | |
| | TRANSISTOR MOSFET | | E-00004066 | 57C 600 14 | Q417,Q418,Q416,Q420 | | 1 |
| 21 | | | | | | | |
| | TRANSISTOR IRF630M/S.T | | E-00004069 | 57C 600 21 | Q406 | | 1 |
| 22 | | | | | | | |
| | TRANSISTOR PHILIPS 1500V/12A BU252 | | E-00004067 | 57C 705 7 A | Q403 | | 1 |
| 23 | | | | | | | |
| | TRANSFORMER LITAI | | E-00004539 | 80C995D 1 L2 | T901 | | 1 |
| 24 | | | | | | | |
| | DRIVE TRANSFORMER | | E-00004063 | 79C 167118 LC | T401 | | 1 |
| 25 | | | | | | | |
| | FBT,SHAMPO | | E-00004540 | 79C 793 1ALB | T402 | | 1 |
| 26 | | | | | | | |
| | DRIVER TRANSFORMER | | E-00001632 | 79C 167124 HB | T403 | | 1 |
| 27 | | | | | | | |
| | INDUCTOR COIL | | E-00004074 | 73C 147542 H | L401 | | 1 |
| 28 | | | | | | | |
| | PTCR 90HM+-20% 220V WAL | | E-00002725 | 61C 52 27 4W | PR901 | | 1 |
| 29 | | | | | | | |
| | FUSE 4A 250V LF-618 004 | | E-00002695 | 84A 7H400 SL | F901 | | 1 |
| 30 | | | | | | | |
| | CAPACITOR 150UF 450V | | E-00001201 | 67C 3015115X | C907 | | 1 |
| 31 | | | | | | | |
| | NTCR 100HM+-20% 5A THIN | | E-R-0405-0377 | 61C 58 9T | NR901 | | 1 |
| 32 | | | | | | | |
| | DIODE U4KB80R | | E-00004072 | 93C 50460 16 | BD901 | | 1 |
| 33 | | | | | | | |
| | DIODE SBYV26C | | E-00004541 | 93C106050652T | D919 | | 1 |
| 34 | | | | | | | |
| | DEGAUSSING COIL | | E-00004542 | 750A1697 77BAG | NA | | 1 |
| 35 | | | | | | | |
| | CHOKO COIL | | E-00004062 | 73C 253513 H | L906 | | 1 |
| 36 | | | | | | | |
| | INDUCTOR 150UH +-10% FOR TDK | | E-00002875 | 73C 253 69 T | L405 | | 1 |
| 37 | | | | | | | |
| | IC M24C08-WBN6P | | E-00002717 | 56C1133508 | IC102 | | 1 |
| 38 | | | | | | | |
| | PICTURE TUBE 19" MPRII CRT ASS'Y | | E-00004543 | 750A55379852AV | E750A | | 1 |
| 39 | Hardware: | | | | | | |
| | SCREW | | HW-00002750 | B1C1035 10 47 | | | 1 |
| 40 | | | | | | | |
| | SCREW 4X7(FOR AC) | | HW-00002758 | D1C1140 7128 | | | 1 |
| 41 | | | | | | | |
| | SCREW | | HW-00002749 | Q1C 340 16 47 | | | 1 |
| 42 | Miscellaneous: | | | | | | |
| | Rear Bracket | | HW-00004075 | 15C5659500 2 | | | 1 |
| 43 | | | | | | | |
| | CARTON | | P-00004544 | 44C6925709 2A | | | 1 |
| 44 | Packing Material: | | | | | | |
| | EPS CUSHION | | P-00004077 | 44C6932 1 | | | 1 |
| 45 | | | | | | | |
| | PE BAG FOR MONITOR | | P-00004078 | 44C6932 2 | | | 1 |
| 46 | | | | | | | |
| | PE BAG FOR MONITOR | | P-00004101 | 45C 76 20 RN | | | 1 |

Remark 1: Above listed items are examples, supplier can expand the rows to add more necessary items.

Remark 2: All revised RSPLs with newly added items or any change made should be highlighted and correlated with the ECN/ECR approved by ViewSonic Corporation. This is to eliminate repeated cross checks of each item between this version and prior versions.

BOM LIST (E96f+SB-G/P)

ViewSonic Model Number: VS10794-1G/P

Rev: 1a

Serial No. Prefix: PTD / PTE

| Item | ViewSonic P/N | Ref. P/N | Description | Location | Universal number# | Q'ty |
|------|---------------|-------------------|-------------------------|----------|-------------------|------|
| 1 | #N/A | 95C 201 69032 | WIRE | B1-B2 | | 1 |
| 2 | E-00004072 | 93C 50460 16 | U4KB80R | BD901 | | 1 |
| 3 | #N/A | 67C 305470 3T | 47UF +-20% 16V | C100 | | 1 |
| 4 | #N/A | 65C 450104 3T | 0.1UF 50V Y5V | C101 | | 1 |
| 5 | #N/A | 65C 450104 3T | 0.1UF 50V Y5V | C102 | | 1 |
| 6 | #N/A | 65C 450104 3T | 0.1UF 50V Y5V | C103 | | 1 |
| 7 | #N/A | 67C 309101 3T | 100UF +-20% 16V | C104 | | 1 |
| 8 | #N/A | 65C 444102 5T | 1000 PF 10% 50V Y5P | C105 | | 1 |
| 9 | #N/A | 65C 444102 5T | 1000 PF 10% 50V Y5P | C106 | | 1 |
| 10 | E-C-0404-4629 | 65C 44210113T | 100PF +-5% NPO 50V | C107 | | 1 |
| 11 | #N/A | 65C 444222 5T | 2200PF 10% Y5P 50V | C109 | | 1 |
| 12 | E-C-0404-4629 | 65C 44210113T | 100PF +-5% NPO 50V | C110 | | 1 |
| 13 | #N/A | 65C 450104 7T | 0.1UF +80-20% 50V Y5V | C111 | | 1 |
| 14 | #N/A | 67C 309101 3T | 100UF +-20% 16V | C113 | | 1 |
| 15 | #N/A | 65C 444102 5T | 1000 PF 10% 50V Y5P | C114 | | 1 |
| 16 | #N/A | 67C 305478 7T | 0.47UF +-20% 50V | C115 | | 1 |
| 17 | #N/A | 64C 45G2221AT | .0022UF +-2% 100V | C116 | | 1 |
| 18 | #N/A | 64C178J152 1T | 1500PF 100V +-5% | C117 | | 1 |
| 19 | #N/A | 67C 309109 7T | 1.0UF +-20% 50V | C118 | | 1 |
| 20 | #N/A | 67C 309100 3T | 10UF +-20% 16V | C119 | | 1 |
| 21 | #N/A | 65C 450104 3T | 0.1UF 50V Y5V | C120 | | 1 |
| 22 | E-C-0404-4629 | 65C 44210113T | 100PF +-5% NPO 50V | C121 | | 1 |
| 23 | E-C-0404-4629 | 65C 44210113T | 100PF +-5% NPO 50V | C122 | | 1 |
| 24 | #N/A | 65C 450103 7T | 10000PF/50V Y5V +80% -2 | C123 | | 1 |
| 25 | #N/A | 65C 444222 5T | 2200PF 10% Y5P 50V | C124 | | 1 |
| 26 | E-00003625 | 95C 90 23 | JUMPER | C126 | | 0 |
| 27 | #N/A | 65C 44447213T | 4700PF +-10% Z5P 50V | C127 | | 1 |
| 28 | #N/A | 65C 444102 5T | 1000 PF 10% 50V Y5P | C130 | | 1 |
| 29 | #N/A | 65C 44233013T | 33PF +-5% NPO 50V | C131 | | 1 |
| 30 | #N/A | 67C 309220 4T | 22UF +-20% 25V | C145 | | 1 |
| 31 | #N/A | 64C178J103 1T | CL21X 0.01UF 100V +-5% | C401 | | 1 |
| 32 | #N/A | 65C 450104 7T | 0.1UF +80-20% 50V Y5V | C402 | | 1 |
| 33 | #N/A | 65C 2K470 1T6921 | 47PF 2KV | C410 | | 1 |
| 34 | #N/A | 65C 450104 7T | 0.1UF +80-20% 50V Y5V | C411 | | 1 |
| 35 | #N/A | 64C178J152 1T | 1500PF 100V +-5% | C412 | | 1 |
| 36 | #N/A | 64C178J224 1T | C121X 0.22UF 100V +-5% | C414 | | 1 |
| 37 | #N/A | 65C 450104 7T | 0.1UF +80-20% 50V Y5V | C416 | | 1 |
| 38 | #N/A | 64C178J474 0T | CL21X. 0.47UF 63V +-5% | C417 | | 1 |
| 39 | #N/A | 63C210J4327CC | .0043UF 1600V | C418 | | 1 |
| 40 | #N/A | 63C210J1825CU | 1800PF 1KV | C419 | | 1 |
| 41 | #N/A | 63C210J1042CC | 0.1UF +-5% 250V | C420 | | 1 |
| 42 | #N/A | 64C100J225 59 | 2.2UF +-5% 100V | C422 | | 1 |
| 43 | #N/A | 63C210J2442CC | 0.24uF 250V | C423 | | 1 |
| 44 | #N/A | 63C210J2443CC | 0.24uF 400V | C425 | | 1 |
| 45 | #N/A | 63C210J2725CC | 2700PF/1KV | C426 | | 1 |
| 46 | #N/A | 63C210J8242CC | 0.82UF +-5% 250V(PMH) | C427 | | 1 |
| 47 | #N/A | 63C210J4742CC | 0.47UF/250V | C428 | | 1 |
| 48 | #N/A | 65C 450104 7T | 0.1UF +80-20% 50V Y5V | C429 | | 1 |
| 49 | #N/A | 65C517K222 5T6921 | 2200PF 10% 500V | C430 | | 1 |
| 50 | #N/A | 67C 309220 7T | 22UF +-20% 50V | C433 | | 1 |
| 51 | #N/A | 67C 309479 7T | 4.7UF +-20% 50V | C434 | | 1 |
| 52 | #N/A | 67C 30547910T | 4.7UF 160V | C436 | | 1 |
| 53 | #N/A | 65C 1K470 5T6921 | 47P/1KV | C450 | | 1 |
| 54 | #N/A | 65C 1K470 5T6921 | 47P/1KV | C450 | | 1 |
| 55 | #N/A | 63C210J1227CC | MPP 1.2nF/1.6KV. +-5% | C472 | | 1 |
| 56 | E-00003625 | 95C 90 23 | JUMPER | C480 | | 1 |
| 57 | E-00003625 | 95C 90 23 | JUMPER | C480 | | 1 |
| 58 | #N/A | 67C 21510112J | 100UF +-20% 250V JAMICO | C481 | | 0 |
| 59 | #N/A | 67C 21510112P | 100UF/250V | C481 | | 1 |
| 60 | #N/A | 67C 305221 3T | 220UF +-20% 16V | C483 | | 1 |
| 61 | #N/A | 65C 2K750 6A6921 | SL.75PF+-10% 2KV | C489 | | 1 |
| 62 | #N/A | 64C178J104 0T | CL21X0.1UF 63V +-5% | C494 | | 1 |
| 63 | #N/A | 64C178J102 0T | 1000PF +-5% 63V | C601 | | 1 |
| 64 | #N/A | 67C 309471 3T | 470UF +-20% 16V | C603 | | 1 |
| 65 | #N/A | 67C 305470 7T | 47UF +-20% 50V | C605 | | 1 |

| Item | ViewSonic P/N | Ref. P/N | Description | Location | Universal number# | Q'ty |
|------|---------------|-------------------|-------------------------|----------|-------------------|------|
| 66 | #N/A | 67C 305102 3 | 1000 UF +-20% 16V | C606 | | 1 |
| 67 | #N/A | 64C176J104 1T | 0.1UF 5% 100V | C610 | | 1 |
| 68 | #N/A | 64C178J103 1T | CL21X 0.01UF 100V +-5% | C702 | | 1 |
| 69 | #N/A | 65C 1K331 5T6921 | 330PF/1KV Y5P+-10% | C706 | | 1 |
| 70 | #N/A | 64C178J103 2T | MPE 0.01UF 250V +-5% | C710 | | 1 |
| 71 | #N/A | 67C 30522912T | 2.2UF +-20% 250V | C713 | | 1 |
| 72 | #N/A | 67C 309479 3T | 4.7UF +-20% 16V | C714 | | 1 |
| 73 | #N/A | 65C 1K561 5T6921 | 560PF 10% Y5P 1KV | C720 | | 1 |
| 74 | #N/A | 65C517M103 3T6921 | 10NF 500V | C740 | | 1 |
| 75 | #N/A | 67C 309100 7T | 10UF +-20% 50V | C743 | | 1 |
| 76 | #N/A | 65C 450104 7T | 0.1UF +80-20% 50V Y5V | C804 | | 1 |
| 77 | #N/A | 67C 305470 9 | 47UF +-20% 100V | C805 | | 1 |
| 78 | #N/A | 65C 2M1033FB6921 | 10000PF -20%~+18% 2KV | C806 | | 1 |
| 79 | #N/A | 67C 309470 3T | 47UF +-20% 16V | C807 | | 1 |
| 80 | #N/A | 67C 309100 3T | 10UF +-20% 16V | C808 | | 1 |
| 81 | #N/A | 65C 444331 5T | 330PF 10% 50V | C809 | | 1 |
| 82 | #N/A | 67C 305470 9 | 47UF +-20% 100V | C811 | | 1 |
| 83 | E-C-0404-4629 | 65C 44210113T | 100PF +-5% NPO 50V | C812 | | 1 |
| 84 | #N/A | 65C251K104 2T | 0.1UF 250V | C813 | | 1 |
| 85 | #N/A | 65C 450104 7T | 0.1UF +80-20% 50V Y5V | C814 | | 1 |
| 86 | #N/A | 64C178J104 0T | CL21X0.1UF 63V +-5% | C815 | | 1 |
| 87 | #N/A | 65C 444101 5T | 100 PF 10% 50V Y5P | C816 | | 1 |
| 88 | #N/A | 65C 444101 5T | 100 PF 10% 50V Y5P | C817 | | 1 |
| 89 | #N/A | 65C 444101 5T | 100 PF 10% 50V Y5P | C818 | | 1 |
| 90 | #N/A | 67C 305470 3T | 47UF +-20% 16V | C819 | | 1 |
| 91 | #N/A | 67C 70109 9T | 1UF +-20% 100V | C820 | | 1 |
| 92 | #N/A | 67C 70109 9T | 1UF +-20% 100V | C821 | | 1 |
| 93 | #N/A | 67C 70109 9T | 1UF +-20% 100V | C822 | | 1 |
| 94 | #N/A | 64C178J104 0T | CL21X0.1UF 63V +-5% | C823 | | 1 |
| 95 | #N/A | 64C178J104 0T | CL21X0.1UF 63V +-5% | C824 | | 1 |
| 96 | #N/A | 65C 1K101 5T6921 | 100PF/1KV Y5P+-10% | C825 | | 1 |
| 97 | #N/A | 67C 309471 3T | 470UF +-20% 16V | C826 | | 1 |
| 98 | #N/A | 65C251K104 2T | 0.1UF 250V | C827 | | 1 |
| 99 | #N/A | 67C 309470 3T | 47UF +-20% 16V | C828 | | 1 |
| 100 | #N/A | 65C251K104 2T | 0.1UF 250V | C829 | | 1 |
| 101 | #N/A | 64C176J104 1T | 0.1UF 5% 100V | C830 | | 1 |
| 102 | #N/A | 65C251K104 2T | 0.1UF 250V | C831 | | 1 |
| 103 | #N/A | 65C251K104 2T | 0.1UF 250V | C832 | | 1 |
| 104 | #N/A | 65C 444102 5T | 1000 PF 10% 50V Y5P | C833 | | 1 |
| 105 | #N/A | 65C 2K102 5T6921 | 1000PF/2KV | C835 | | 1 |
| 106 | E-00004474 | 65C 2K101 5T6921 | 100PF/2KV | C836 | | 1 |
| 107 | #N/A | 65C 44447113T | 470PF +-10% Z5P 50V | C837 | | 1 |
| 108 | #N/A | 65C 450104 7T | 0.1UF +80-20% 50V Y5V | C839 | | 1 |
| 109 | #N/A | 65C 450104 7T | 0.1UF +80-20% 50V Y5V | C840 | | 1 |
| 110 | #N/A | 65C 44210013T | 10PF +-5% NPO 50V | C841 | | 1 |
| 111 | #N/A | 65C 450104 7T | 0.1UF +80-20% 50V Y5V | C842 | | 1 |
| 112 | #N/A | 65C 450104 7T | 0.1UF +80-20% 50V Y5V | C844 | | 1 |
| 113 | #N/A | 65C 44210013T | 10PF +-5% NPO 50V | C845 | | 1 |
| 114 | #N/A | 65C517K102 2T6921 | 1000PF 10% Z5P 500V | C846 | | 1 |
| 115 | #N/A | 65C517K102 2T6921 | 1000PF 10% Z5P 500V | C847 | | 1 |
| 116 | #N/A | 67C 70109 9T | 1UF +-20% 100V | C848 | | 1 |
| 117 | #N/A | 65C517K102 2T6921 | 1000PF 10% Z5P 500V | C849 | | 1 |
| 118 | #N/A | 65C 44210013T | 10PF +-5% NPO 50V | C850 | | 1 |
| 119 | #N/A | 65C 44210013T | 10PF +-5% NPO 50V | C851 | | 1 |
| 120 | #N/A | 65C517K561 2T6921 | 560PF 500V Z5P +-10% | C852 | | 1 |
| 121 | #N/A | 63C107K104 U | 0.1UF/275V | C902 | | 1 |
| 122 | #N/A | 64C178J223 1T | CL21X 0.022UF 100V +-5% | C906 | | 1 |
| 123 | E-00004377 | 67C 3015115K | 150UF+-20% 450V | C907 | | 0 |
| 124 | E-00004527 | 67C 3015115P | 150UF 450V | C907 | | 0 |
| 125 | E-00001201 | 67C 3015115X | 150UF 450V | C907 | | 1 |
| 126 | #N/A | 65C 450104 7T | 0.1UF +80-20% 50V Y5V | C908 | | 1 |
| 127 | #N/A | 67C 309101 3T | 100UF +-20% 16V | C909 | | 1 |
| 128 | #N/A | 67C 305470 3T | 47UF +-20% 16V | C910 | | 1 |
| 129 | #N/A | 65C 450104 7T | 0.1UF +80-20% 50V Y5V | C911 | | 1 |
| 130 | #N/A | 65C517K472 1T6921 | 4700P/500V | C914 | | 1 |
| 131 | #N/A | 67C 305472 3 | 4700UF 16V | C918 | | 1 |
| 132 | #N/A | 65C 2M103 3A6921 | 10000PF 2KV | C919 | | 1 |
| 133 | #N/A | 65C 1K221 1T6052 | 220PF/1KV | C920 | | 1 |
| 134 | #N/A | 64C178J103 2T | MPE 0.01UF 250V +-5% | C925 | | 1 |
| 135 | #N/A | 65C 2K221 5T6921 | 220PF 2000V | C927 | | 1 |
| 136 | #N/A | 65C 1K470 5T6921 | 47P/1KV | C928 | | 1 |

| Item | ViewSonic P/N | Ref. P/N | Description | Location | Universal number# | Q'ty |
|------|---------------|-------------------|-------------------------|----------|-------------------|------|
| 137 | #N/A | 67C 305470 4T | 47UF +-20% 25V | C929 | | 1 |
| 138 | #N/A | 67C 215470 10 | 47UF +-20% 160V | C930 | | 1 |
| 139 | #N/A | 67C 21522012P | LOW E.SD 22UF 250V | C931 | | 1 |
| 140 | #N/A | 65C 450473 4T | 47000PF -20 +80% 50V Z5 | C932 | | 1 |
| 141 | #N/A | 65C 444332 5T | 3300PF 10% 50V Y5P | C933 | | 1 |
| 142 | #N/A | 65C 444221 5T | 220PF/50V | C934 | | 1 |
| 143 | #N/A | 67C 70109 7T | 1UF +-20% 50V | C935 | | 1 |
| 144 | E-00002738 | 67C 305101 9 | 100UF +-20% 100V | C936 | | 1 |
| 145 | #N/A | 67C 309471 3K | 470UF 16V | C937 | | 1 |
| 146 | #N/A | 67C 305102 3 | 1000 UF +-20% 16V | C939 | | 1 |
| 147 | #N/A | 65C517K102 5T6213 | 1000PF 500V +-10% Y5P | C940 | | 1 |
| 148 | #N/A | 65C517K102 5T6921 | 1000PF 500V +-10% Y5P | C940 | | 0 |
| 149 | #N/A | 64C178J103 2T | MPE 0.01UF 250V +-5% | C941 | | 1 |
| 150 | #N/A | 67C 305102 3 | 1000 UF +-20% 16V | C944 | | 1 |
| 151 | #N/A | 67C 305471 4 | 470UF +-20% 25V | C945 | | 1 |
| 152 | #N/A | 63C212J1042AT | MPE 0.1UF/250V +-5% | C946 | | 1 |
| 153 | E-C-0404-4629 | 65C 44210113T | 100PF +-5% NPO 50V | C947 | | 1 |
| 154 | #N/A | 65C305M3322B2 | 3300PF 250VAC/400VAC | C962 | | 0 |
| 155 | #N/A | 65C305M3322B3 | 3300PF 250VAC/400VAC | C962 | | 1 |
| 156 | #N/A | 65C305M3322B2 | 3300PF 250VAC/400VAC | C963 | | 0 |
| 157 | #N/A | 65C305M3322B3 | 3300PF 250VAC/400VAC | C963 | | 1 |
| 158 | #N/A | 67C 309100 3T | 10UF +-20% 16V | C967 | | 1 |
| 159 | #N/A | 95C 800 2 1 | WIRE HARNESS | CN901 | | 1 |
| 160 | #N/A | 9C 203503 | PIN | CN902 | | 2 |
| 161 | #N/A | 33C3803 3 | WAFER EH-E | CN903 | | 1 |
| 162 | E-D-0403-2800 | 93C1002 1P52T | IN5817 | D103 | | 1 |
| 163 | #N/A | 93C 64 1152T | IN4148 | D104 | | 1 |
| 164 | E-D-0403-2800 | 93C1002 1P52T | IN5817 | D405 | | 1 |
| 165 | #N/A | 93C1002 1W52T | IN5817 | D405 | | 0 |
| 166 | #N/A | 93C1060 6P52T | ER106/PANJIT | D406 | | 1 |
| 167 | #N/A | 93C106050152T | BYV26C/TFK | D407 | | 0 |
| 168 | E-00004541 | 93C106050652T | SBYV26C | D407 | | 1 |
| 169 | #N/A | 93C 220505 | DMV1500M-AOC | D408 | | 1 |
| 170 | #N/A | 93C 64 1152T | IN4148 | D409 | | 1 |
| 171 | #N/A | 93C 64 1152T | IN4148 | D450 | | 1 |
| 172 | #N/A | 93C 6450752T | BAV21 | D460 | | 1 |
| 173 | E-00002716 | 93C 6026T52T | RECTIFIER DIODE FR107 | D463 | | 1 |
| 174 | E-00001186 | 93C 6026W52T | FR107 | D463 | | 0 |
| 175 | E-00002716 | 93C 6026T52T | RECTIFIER DIODE FR107 | D470 | | 1 |
| 176 | E-00001186 | 93C 6026W52T | FR107 | D470 | | 0 |
| 177 | E-00002716 | 93C 6026T52T | RECTIFIER DIODE FR107 | D473 | | 1 |
| 178 | E-00001186 | 93C 6026W52T | FR107 | D473 | | 0 |
| 179 | E-00002716 | 93C 6026T52T | RECTIFIER DIODE FR107 | D474 | | 1 |
| 180 | E-00001186 | 93C 6026W52T | FR107 | D474 | | 0 |
| 181 | #N/A | 93C 64 1152T | IN4148 | D476 | | 1 |
| 182 | #N/A | 93C 5247T52T | IN4004 | D601 | | 1 |
| 183 | #N/A | 93C 6431P52T | BAV20 | D701 | | 0 |
| 184 | #N/A | 93C 6431T52T | BAV20 | D701 | | 1 |
| 185 | E-00003625 | 95C 90 23 | JUMPER | D704 | | 0 |
| 186 | #N/A | 93C 6044T52T | RECTIFIER DIODE FR157S | D706 | | 1 |
| 187 | E-D-0403-1005 | 93C1040 252T | UF4004 | D740 | | 1 |
| 188 | E-00003625 | 95C 90 23 | JUMPER | D801 | | 0 |
| 189 | #N/A | 93C 6450152T | SWITCHING DIODE BAV21 | D802 | | 1 |
| 190 | #N/A | 93C 64 1152T | IN4148 | D803 | | 1 |
| 191 | #N/A | 93C 6450152T | SWITCHING DIODE BAV21 | D804 | | 1 |
| 192 | #N/A | 93C 64 1152T | IN4148 | D805 | | 1 |
| 193 | #N/A | 93C 6450152T | SWITCHING DIODE BAV21 | D806 | | 1 |
| 194 | #N/A | 93C 6450152T | SWITCHING DIODE BAV21 | D807 | | 1 |
| 195 | #N/A | 93C 6450152T | SWITCHING DIODE BAV21 | D808 | | 1 |
| 196 | #N/A | 93C 6021P52T | PS156R | D809 | | 1 |
| 197 | #N/A | 93C 6450152T | SWITCHING DIODE BAV21 | D810 | | 1 |
| 198 | #N/A | 93C 64 1152T | IN4148 | D811 | | 1 |
| 199 | #N/A | 93C 64 1152T | IN4148 | D812 | | 1 |
| 200 | #N/A | 93C 64 1152T | IN4148 | D813 | | 1 |
| 201 | #N/A | 93C 64 1152T | IN4148 | D814 | | 1 |
| 202 | #N/A | 93C102050152T | RGP10D | D909 | | 1 |
| 203 | #N/A | 93C1100 1C52T | BYV26EGP | D910 | | 1 |
| 204 | #N/A | 93C102050152T | RGP10D | D911 | | 1 |
| 205 | #N/A | 93C 6431T52T | BAV20 | D912 | | 1 |
| 206 | E-D-0403-2800 | 93C1002 1P52T | IN5817 | D913 | | 1 |
| 207 | #N/A | 93C1002 1W52T | IN5817 | D913 | | 0 |

| Item | ViewSonic P/N | Ref. P/N | Description | Location | Universal number# | Q'ty |
|------|----------------|----------------|---------------------------|----------|-------------------|------|
| 208 | #N/A | 93C 6431P52T | BAV20 | D914 | | 0 |
| 209 | #N/A | 93C 6431T52T | BAV20 | D914 | | 1 |
| 210 | #N/A | 93C 6450752T | BAV21 | D915 | | 1 |
| 211 | #N/A | 93C2040 1A | ER204 2A 400V | D916 | | 1 |
| 212 | #N/A | 93C 6450152T | SWITCHING DIODE BAV21 | D917 | | 1 |
| 213 | #N/A | 93C 6073F | 31DF4-FC | D918 | | 1 |
| 214 | #N/A | 93C106050152T | BYV26C/TFK | D919 | | 0 |
| 215 | E-00004541 | 93C106050652T | SBYV26C | D919 | | 1 |
| 216 | #N/A | 93C202050052T | BYV27-200 | D922 | | 1 |
| 217 | #N/A | 93C 521ZJ26T | SB240 | D923 | | 1 |
| 218 | E-D-0403-1005 | 93C1040 252T | UF4004 | D929 | | 1 |
| 219 | #N/A | 93C202050052T | BYV27-200 | D930 | | 1 |
| 220 | #N/A | 93C 64 1152T | IN4148 | D936 | | 1 |
| 221 | #N/A | 93C 64 1152T | IN4148 | D937 | | 1 |
| 222 | #N/A | 93C106050152T | BYV26C/TFK | D938 | | 0 |
| 223 | E-00004541 | 93C106050652T | SBYV26C | D938 | | 1 |
| 224 | #N/A | 93C 64 1152T | IN4148 | D939 | | 1 |
| 225 | #N/A | 93C 64 1152T | IN4148 | D940 | | 1 |
| 226 | E-D-0403-2800 | 93C1002 1P52T | 1N5817 | D942 | | 1 |
| 227 | #N/A | 61C 60233252T | CFR 3.3K OHM+-5% 1/6W | D991 | | 1 |
| 228 | A-00004050 | 89C414A18N IS | POWER CORD (E96f+SB-G) | E089A | | 1 |
| 229 | A-00004529 | 89C402A18N LS | POWER CORDE (E96f+SB-M) | E089A | | 1 |
| 230 | #N/A | 89C414A18N LS | POWER CORD | E089A | | 0 |
| 231 | #N/A | 89C 71B8MCCB5 | SIGNAL CABLE | E089B | | 0 |
| 232 | CB-00004535 | 89C 71B8MCHB5 | SIGNAL CABLE | E089B | | 1 |
| 233 | #N/A | 750A55379852AI | 19" TCO CRT ASS'Y FOR B | E750A | | 0 |
| 234 | E-00004543 | 750A55379852AV | 19" MPRII CRT ASS'Y FOR | E750A | | 0 |
| 235 | E-00002695 | 84A 7H400 SL | FUSE 4A 250V LF-618 004 | F901 | | 1 |
| 236 | #N/A | 84C 33 10 | FUSE CLIP | F901 | | 2 |
| 237 | #N/A | 71C 55503 | FERRITE BEAD | FB401 | | 1 |
| 238 | #N/A | 71C 55 29 | FERRITE BEAD | FB402 | | 1 |
| 239 | E-00003625 | 95C 90 23 | JUMPER | FB403 | | 0 |
| 240 | #N/A | 71C 55503 | FERRITE BEAD | FB404 | | 1 |
| 241 | M-FT-0827-0085 | 53A 40 8 | FILTER | FB801 | | 1 |
| 242 | M-FT-0827-0085 | 53A 40 8 | FILTER | FB802 | | 1 |
| 243 | M-FT-0827-0085 | 53A 40 8 | FILTER | FB803 | | 1 |
| 244 | #N/A | 61C175L56452T | CFR 560K OHM +-5% 1/2W | FB804 | | 1 |
| 245 | #N/A | 71C 55 9 T C | CORE RF BEAD RH 3.5X6X0 | FB805 | | 1 |
| 246 | #N/A | 71C 55 9 T C | CORE RF BEAD RH 3.5X6X0 | FB806 | | 1 |
| 247 | #N/A | 71C 55 9 T C | CORE RF BEAD RH 3.5X6X0 | FB807 | | 1 |
| 248 | #N/A | 71C 55 19 T | FERRITE BEAD 9X3.5X0.8 | FB901 | | 1 |
| 249 | #N/A | 71C 55 19 T | FERRITE BEAD 9X3.5X0.8 | FB902 | | 1 |
| 250 | #N/A | 71C 55 24 A | FERRITE BEAD 10*6.0*0.6 | FB903 | | 1 |
| 251 | #N/A | 73C 5333910T | 3.3UH +-10% | FB910 | | 1 |
| 252 | #N/A | 71C 100 9 | FERRIRE CORE 28.5*17.5* | FBTF | | 1 |
| 253 | #N/A | 71C 100501 S | CORD | FBTG2 | | 1 |
| 254 | #N/A | 9C 203 8 | BRASS PIN | G2 | | 1 |
| 255 | #N/A | 9C 203 8 | BRASS PIN | GND1 | | 1 |
| 256 | #N/A | 9C 203 8 | BRASS PIN | GND1 | | 1 |
| 257 | #N/A | 9C 203 8 | BRASS PIN | GND3 | | 1 |
| 258 | #N/A | 19C 553500 | SPRING PIECE | GND-PIN | | 1 |
| 259 | #N/A | 19C 553500 | SPRING PIECE | GND-PIN | | 1 |
| 260 | #N/A | 19C 553500 | SPRING PIECE | GND-PIN | | 1 |
| 261 | #N/A | 95C8013 14607 | WIRE HARNESS | H802 | | 1 |
| 262 | E-00004059 | 56C1125575 X | SAA4849PS | IC101 | | 1 |
| 263 | E-00002717 | 56C1133508 | M24C08-WBN6P | IC102 | | 1 |
| 264 | E-00002874 | 56C 584 1A | TDA4863A/PHILIPS | IC601 | | 1 |
| 265 | E-00004538 | 56C 366520 | LM1276 | IC801 | | 1 |
| 266 | E-00004061 | 56C 551525 | LM2476 | IC802 | | 1 |
| 267 | E-00004060 | 56C 625500 S | TEA1507P | IC901 | | 1 |
| 268 | #N/A | 56C 133 5 ST | L7805CV | IC902 | | 1 |
| 269 | #N/A | 56C 139 5A | TCET 1103G | IC903 | | 1 |
| 270 | #N/A | 56C 158 2 T | TL431ACLPR | IC904 | | 0 |
| 271 | #N/A | 56C 158 4 T | H431-B | IC904 | | 1 |
| 272 | #N/A | 56C 158 10 T | AZ431AZ-AE1 TO-92 | IC904 | | 0 |
| 273 | E-00003625 | 95C 90 23 | JUMPER | J001 | | 0 |
| 274 | E-00003625 | 95C 90 23 | JUMPER | J002 | | 0 |
| 275 | E-00003625 | 95C 90 23 | JUMPER | J006 | | 0 |
| 276 | E-00003625 | 95C 90 23 | JUMPER | J007 | | 0 |
| 277 | E-00003625 | 95C 90 23 | JUMPER | J009 | | 0 |
| 278 | E-00003625 | 95C 90 23 | JUMPER | J010 | | 0 |

| Item | ViewSonic P/N | Ref. P/N | Description | Location | Universal number# | Q'ty |
|------|---------------|---------------|----------------------|----------|-------------------|------|
| 279 | E-00003625 | 95C 90 23 | JUMPER | J013 | | 0 |
| 280 | E-00003625 | 95C 90 23 | JUMPER | J016 | | 0 |
| 281 | E-00003625 | 95C 90 23 | JUMPER | J017 | | 0 |
| 282 | E-00003625 | 95C 90 23 | JUMPER | J019 | | 0 |
| 283 | E-00003625 | 95C 90 23 | JUMPER | J020 | | 0 |
| 284 | E-00003625 | 95C 90 23 | JUMPER | J021 | | 0 |
| 285 | E-00003625 | 95C 90 23 | JUMPER | J023 | | 0 |
| 286 | E-00003625 | 95C 90 23 | JUMPER | J024 | | 0 |
| 287 | E-00003625 | 95C 90 23 | JUMPER | J026 | | 0 |
| 288 | E-00003625 | 95C 90 23 | JUMPER | J029 | | 0 |
| 289 | E-00003625 | 95C 90 23 | JUMPER | J036 | | 0 |
| 290 | E-00003625 | 95C 90 23 | JUMPER | J038 | | 0 |
| 291 | E-00003625 | 95C 90 23 | JUMPER | J039 | | 0 |
| 292 | E-00003625 | 95C 90 23 | JUMPER | J040 | | 0 |
| 293 | E-00003625 | 95C 90 23 | JUMPER | J042 | | 0 |
| 294 | E-00003625 | 95C 90 23 | JUMPER | J043 | | 0 |
| 295 | E-00003625 | 95C 90 23 | JUMPER | J044 | | 0 |
| 296 | E-00003625 | 95C 90 23 | JUMPER | J045 | | 0 |
| 297 | E-00003625 | 95C 90 23 | JUMPER | J047 | | 0 |
| 298 | E-00003625 | 95C 90 23 | JUMPER | J048 | | 0 |
| 299 | E-00003625 | 95C 90 23 | JUMPER | J049 | | 0 |
| 300 | E-00003625 | 95C 90 23 | JUMPER | J050 | | 0 |
| 301 | E-00003625 | 95C 90 23 | JUMPER | J051 | | 0 |
| 302 | E-00003625 | 95C 90 23 | JUMPER | J052 | | 0 |
| 303 | E-00003625 | 95C 90 23 | JUMPER | J053 | | 0 |
| 304 | E-00003625 | 95C 90 23 | JUMPER | J054 | | 0 |
| 305 | E-00003625 | 95C 90 23 | JUMPER | J055 | | 0 |
| 306 | E-00003625 | 95C 90 23 | JUMPER | J056 | | 0 |
| 307 | E-00003625 | 95C 90 23 | JUMPER | J057 | | 0 |
| 308 | E-00003625 | 95C 90 23 | JUMPER | J058 | | 0 |
| 309 | E-00003625 | 95C 90 23 | JUMPER | J059 | | 0 |
| 310 | E-00003625 | 95C 90 23 | JUMPER | J060 | | 0 |
| 311 | E-00003625 | 95C 90 23 | JUMPER | J061 | | 0 |
| 312 | E-00003625 | 95C 90 23 | JUMPER | J062 | | 0 |
| 313 | E-00003625 | 95C 90 23 | JUMPER | J063 | | 0 |
| 314 | E-00003625 | 95C 90 23 | JUMPER | J064 | | 0 |
| 315 | E-00003625 | 95C 90 23 | JUMPER | J065 | | 0 |
| 316 | E-00003625 | 95C 90 23 | JUMPER | J066 | | 0 |
| 317 | E-00003625 | 95C 90 23 | JUMPER | J067 | | 0 |
| 318 | E-00003625 | 95C 90 23 | JUMPER | J068 | | 0 |
| 319 | E-00003625 | 95C 90 23 | JUMPER | J069 | | 0 |
| 320 | E-00003625 | 95C 90 23 | JUMPER | J070 | | 0 |
| 321 | E-00003625 | 95C 90 23 | JUMPER | J071 | | 0 |
| 322 | E-00003625 | 95C 90 23 | JUMPER | J072 | | 0 |
| 323 | E-00003625 | 95C 90 23 | JUMPER | J073 | | 0 |
| 324 | E-00003625 | 95C 90 23 | JUMPER | J074 | | 0 |
| 325 | E-00003625 | 95C 90 23 | JUMPER | J075 | | 0 |
| 326 | E-00003625 | 95C 90 23 | JUMPER | J076 | | 0 |
| 327 | E-00003625 | 95C 90 23 | JUMPER | J077 | | 0 |
| 328 | E-00003625 | 95C 90 23 | JUMPER | J078 | | 0 |
| 329 | E-00003625 | 95C 90 23 | JUMPER | J079 | | 0 |
| 330 | #N/A | 61C 17247052T | CFR 47 OHM +-5% 1/4W | J080 | | 1 |
| 331 | E-00003625 | 95C 90 23 | JUMPER | J083 | | 0 |
| 332 | E-00003625 | 95C 90 23 | JUMPER | J084 | | 0 |
| 333 | E-00003625 | 95C 90 23 | JUMPER | J086 | | 0 |
| 334 | E-00003625 | 95C 90 23 | JUMPER | J087 | | 0 |
| 335 | E-00003625 | 95C 90 23 | JUMPER | J088 | | 0 |
| 336 | E-00003625 | 95C 90 23 | JUMPER | J089 | | 0 |
| 337 | E-00003625 | 95C 90 23 | JUMPER | J090 | | 0 |
| 338 | E-00003625 | 95C 90 23 | JUMPER | J091 | | 0 |
| 339 | E-00003625 | 95C 90 23 | JUMPER | J092 | | 0 |
| 340 | E-00003625 | 95C 90 23 | JUMPER | J093 | | 0 |
| 341 | E-00003625 | 95C 90 23 | JUMPER | J095 | | 0 |
| 342 | E-00003625 | 95C 90 23 | JUMPER | J096 | | 0 |
| 343 | E-00003625 | 95C 90 23 | JUMPER | J097 | | 0 |
| 344 | E-00003625 | 95C 90 23 | JUMPER | J099 | | 0 |
| 345 | E-00003625 | 95C 90 23 | JUMPER | J101 | | 0 |
| 346 | E-00003625 | 95C 90 23 | JUMPER | J105 | | 0 |
| 347 | E-00003625 | 95C 90 23 | JUMPER | J106 | | 0 |
| 348 | E-00003625 | 95C 90 23 | JUMPER | J108 | | 0 |
| 349 | E-00003625 | 95C 90 23 | JUMPER | J114 | | 0 |

| Item | ViewSonic P/N | Ref. P/N | Description | Location | Universal number# | Q'ty |
|------|---------------|--------------------|--------------------------|----------|-------------------|------|
| 350 | E-00003625 | 95C 90 23 | JUMPER | J117 | | 0 |
| 351 | E-00003625 | 95C 90 23 | JUMPER | J120 | | 0 |
| 352 | E-00003625 | 95C 90 23 | JUMPER | J122 | | 0 |
| 353 | E-00003625 | 95C 90 23 | JUMPER | J124 | | 0 |
| 354 | E-00003625 | 95C 90 23 | JUMPER | J135 | | 0 |
| 355 | E-00003625 | 95C 90 23 | JUMPER | J139 | | 0 |
| 356 | E-00003625 | 95C 90 23 | JUMPER | J141 | | 0 |
| 357 | E-00003625 | 95C 90 23 | JUMPER | J142 | | 0 |
| 358 | E-00003625 | 95C 90 23 | JUMPER | J143 | | 0 |
| 359 | E-00003625 | 95C 90 23 | JUMPER | J147 | | 0 |
| 360 | E-00003625 | 95C 90 23 | JUMPER | J149 | | 0 |
| 361 | E-00003625 | 95C 90 23 | JUMPER | J151 | | 0 |
| 362 | E-00003625 | 95C 90 23 | JUMPER | J152 | | 0 |
| 363 | E-00003625 | 95C 90 23 | JUMPER | J155 | | 0 |
| 364 | E-00003625 | 95C 90 23 | JUMPER | J157 | | 0 |
| 365 | E-00003625 | 95C 90 23 | JUMPER | J166 | | 0 |
| 366 | E-00003625 | 95C 90 23 | JUMPER | J167 | | 0 |
| 367 | E-00003625 | 95C 90 23 | JUMPER | J168 | | 0 |
| 368 | E-00003625 | 95C 90 23 | JUMPER | J174 | | 0 |
| 369 | E-00003625 | 95C 90 23 | JUMPER | J175 | | 0 |
| 370 | E-00003625 | 95C 90 23 | JUMPER | J178 | | 0 |
| 371 | E-00003625 | 95C 90 23 | JUMPER | J803 | | 0 |
| 372 | E-00003625 | 95C 90 23 | JUMPER | J804 | | 0 |
| 373 | E-00003625 | 95C 90 23 | JUMPER | J805 | | 0 |
| 374 | E-00003625 | 95C 90 23 | JUMPER | J806 | | 0 |
| 375 | E-00003625 | 95C 90 23 | JUMPER | J807 | | 0 |
| 376 | E-00003625 | 95C 90 23 | JUMPER | J808 | | 0 |
| 377 | #N/A | 71C 55503 | FERRITE BEAD | J809 | | 1 |
| 378 | #N/A | 71C 55503 | FERRITE BEAD | J810 | | 1 |
| 379 | #N/A | 71C 55503 | FERRITE BEAD | J811 | | 1 |
| 380 | E-00003625 | 95C 90 23 | JUMPER | J815 | | 0 |
| 381 | E-00003625 | 95C 90 23 | JUMPER | J816 | | 0 |
| 382 | E-00003625 | 95C 90 23 | JUMPER | J817 | | 0 |
| 383 | E-00003625 | 95C 90 23 | JUMPER | J818 | | 0 |
| 384 | E-00003625 | 95C 90 23 | JUMPER | J819 | | 0 |
| 385 | E-00004074 | 73C 147542 H | COIL | L401 | | 1 |
| 386 | E-00002875 | 73C 253 69 T | 150UH +-10% FOR TDK | L405 | | 1 |
| 387 | E-00003625 | 95C 90 23 | JUMPER | L805 | | 0 |
| 388 | #N/A | 73C 5447810T | 0.47UH +-10% peaking co | L807 | | 1 |
| 389 | #N/A | 73C 5447810T | 0.47UH +-10% peaking co | L808 | | 1 |
| 390 | #N/A | 73C 5447810T | 0.47UH +-10% peaking co | L809 | | 1 |
| 391 | #N/A | 73A 174 7 HG | LINE FILTER | L901 | | 1 |
| 392 | #N/A | 73A 174 7 SG | LINE FILTER | L901 | | 0 |
| 393 | #N/A | 73C 25818110H | 180UH | L902 | | 1 |
| 394 | #N/A | 73C 25818110T | 180UH | L902 | | 0 |
| 395 | #N/A | 73C 25810110H | 100UH | L903 | | 0 |
| 396 | #N/A | 73C 25810110T | 100UH | L903 | | 1 |
| 397 | #N/A | 73C 25810110H | 100UH | L904 | | 0 |
| 398 | #N/A | 73C 25810110T | 100UH | L904 | | 1 |
| 399 | #N/A | 73C 25818110H | 180UH | L905 | | 1 |
| 400 | #N/A | 73C 25818110T | 180UH | L905 | | 0 |
| 401 | E-00004062 | 73C 253513 H | CHOKE COIL | L906 | | 1 |
| 402 | #N/A | 81C 11 7 GP | GP32052CE/DIY-ZY | LED4 | | 1 |
| 403 | #N/A | 61C 58450 UT | NTCR 45OHM+-15% 3100K UP | NR601 | | 1 |
| 404 | E-R-0405-6988 | 61A 58 9W | NTCR 100HM+-20% 5A WAL5 | NR901 | | 0 |
| 405 | E-R-0405-0377 | 61C 58 9T | NTCR 100HM+-20% 5A THIN | NR901 | | 1 |
| 406 | #N/A | 9C 203 8 | BRASS PIN | P402 | | 4 |
| 407 | E-00001191 | 33C327813D | WAFER | P801 | | 1 |
| 408 | E-00004087 | 33C327814D | WAFER& PLUG | P802 | | 1 |
| 409 | #N/A | 95C8013 6617 | 6PIN WIRE | P803 | | 1 |
| 410 | #N/A | 33C3278 6D | WAFER | P803 | | 1 |
| 411 | #N/A | : CMB985D1NVS | CHASSIS FOR B985D-1VSC | PARENT N | | |
| 412 | #N/A | : AMB985D1NVS | MAIN BOARD | PARENT N | | |
| 413 | #N/A | : CRB985D1NVS | CRT BAORD | PARENT N | | |
| 414 | #N/A | : ARB985D1NVS | CRT BOARD | PARENT N | | |
| 415 | #N/A | D : 705A985DR5601V | IC802 ASS'Y | PARENT N | | |
| 416 | #N/A | O : 750A55379852A | 19" TCO CRT ASS'Y FOR | PARENT N | | |
| 417 | #N/A | D : 750A55379852A | 19" MPRII CRT ASS'Y FO | PARENT N | | |
| 418 | #N/A | O : 705A985DC15 01 | AC ASS'Y | PARENT N | | |
| 419 | #N/A | D : 705A985DC5601A | IC601 ASS'Y | PARENT N | | |
| 420 | #N/A | D : 705A985DC5701A | D408/Q403 ASS'Y | PARENT N | | |

| Item | ViewSonic P/N | Ref. P/N | Description | Location | Universal number# | Q'ty |
|------|---------------|--------------------|-------------------------|----------|-------------------|------|
| 421 | #N/A | D : 705A985DC5701E | Q901 ASS'Y | PARENT N | | |
| 422 | #N/A | D : 705A985DC5702A | Q420 ASS'Y | PARENT N | | |
| 423 | #N/A | D : 705A985DC6101A | NR901 ASS'Y | PARENT N | | |
| 424 | #N/A | O : 705A985DC84 1 | F901 ASS'Y | PARENT N | | |
| 425 | #N/A | D : 705A985DC8702A | CN901 ASS'Y | PARENT N | | |
| 426 | #N/A | D : 705A985DX9301A | X101 ASS'Y | PARENT N | | |
| 427 | #N/A | O : 705A985DP52 01 | COPPER ASS'Y | PARENT N | | |
| 428 | E-00002859 | 61C 52 27 4J | PTCR | PR901 | | 0 |
| 429 | E-00002725 | 61C 52 27 4W | PTCR 90HM+-20% 220V WAL | PR901 | | 1 |
| 430 | #N/A | 57C 516 1 T | TRAN PH2369 TAPING | Q401 | | 1 |
| 431 | #N/A | 57C 734 1 | BSN254A | Q402 | | 1 |
| 432 | E-00004067 | 57C 705 7 A | PHILIPS 1500V/12A BU252 | Q403 | | 1 |
| 433 | #N/A | 57C 446 3 T | 2SC2120-Y | Q404 | | 1 |
| 434 | #N/A | 57C 446501 T | 2SC2120-Y | Q404 | | 0 |
| 435 | E-00004069 | 57C 600 21 | IRF630M/S.T | Q406 | | 1 |
| 436 | E-00004376 | 57C 419503 T | 2SC945P | Q407 | | 1 |
| 437 | E-00004376 | 57C 419503 T | 2SC945P | Q408 | | 1 |
| 438 | #N/A | 57C 521 1 T | 2SD667ACTZ-E | Q410 | | 1 |
| 439 | #N/A | 57C 521 C T | 2SD667CTZ-E | Q410 | | 0 |
| 440 | E-00004376 | 57C 419503 T | 2SC945P | Q412 | | 1 |
| 441 | E-00004068 | 57C 600 28 | IRF630B | Q416 | | 1 |
| 442 | E-00004066 | 57C 600 14 | MOSFET | Q417 | | 1 |
| 443 | E-00004068 | 57C 600 28 | IRF630B | Q417 | | 0 |
| 444 | E-00004066 | 57C 600 14 | MOSFET | Q418 | | 1 |
| 445 | E-00004068 | 57C 600 28 | IRF630B | Q418 | | 0 |
| 446 | E-00004066 | 57C 600 14 | MOSFET | Q420 | | 1 |
| 447 | E-00004068 | 57C 600 28 | IRF630B | Q420 | | 0 |
| 448 | E-00004376 | 57C 419503 T | 2SC945P | Q422 | | 1 |
| 449 | E-00004376 | 57C 419503 T | 2SC945P | Q423 | | 1 |
| 450 | #N/A | 57C 498 1 T | BF423 | Q705 | | 1 |
| 451 | #N/A | 57C 498 3 T | HBF423 | Q705 | | 0 |
| 452 | #N/A | 57C 493 12 T | BF420 | Q742 | | 0 |
| 453 | #N/A | 57C 708 1 T | 2SC4002E | Q742 | | 1 |
| 454 | #N/A | 57C 446 1 T | 2SC1213ACTZ-E | Q743 | | 0 |
| 455 | #N/A | 57C 446500 T | 2SC1213C | Q743 | | 1 |
| 456 | E-00004071 | 57C 724502 | STP9NK70Z | Q901 | | 1 |
| 457 | #N/A | 57C 446 1 T | 2SC1213ACTZ-E | Q902 | | 1 |
| 458 | #N/A | 57C 419 P T | TRAN 2SC945P/NEC TAPING | Q903 | | 0 |
| 459 | #N/A | 57C 419 SG T | KSC945C-G TA FAIRCHILD | Q903 | | 0 |
| 460 | E-00004376 | 57C 419503 T | 2SC945P | Q903 | | 1 |
| 461 | #N/A | 57C 420 P T | TRAN 2SA733P/NEC TAPING | Q905 | | 0 |
| 462 | #N/A | 57C 420 SG T | KSA733C-G TA FAIRCHIL | Q905 | | 0 |
| 463 | #N/A | 57C 420502 T | 2SA733P | Q905 | | 1 |
| 464 | #N/A | 57C 446 1 T | 2SC1213ACTZ-E | Q906 | | 1 |
| 465 | #N/A | 57C 4197AP T | BC547B | Q907 | | 1 |
| 466 | #N/A | 57C 516 1 T | TRAN PH2369 TAPING | Q910 | | 1 |
| 467 | E-00004070 | 57C 751 4 | 2SJ584LS | Q911 | | 1 |
| 468 | #N/A | 57C 419 P T | TRAN 2SC945P/NEC TAPING | Q912 | | 0 |
| 469 | #N/A | 57C 419 SG T | KSC945C-G TA FAIRCHILD | Q912 | | 0 |
| 470 | E-00004376 | 57C 419503 T | 2SC945P | Q912 | | 1 |
| 471 | #N/A | 57C 419 P T | TRAN 2SC945P/NEC TAPING | Q913 | | 0 |
| 472 | #N/A | 57C 419 SG T | KSC945C-G TA FAIRCHILD | Q913 | | 0 |
| 473 | E-00004376 | 57C 419503 T | 2SC945P | Q913 | | 1 |
| 474 | #N/A | 57C 420 P T | TRAN 2SA733P/NEC TAPING | Q920 | | 0 |
| 475 | #N/A | 57C 420 SG T | KSA733C-G TA FAIRCHIL | Q920 | | 0 |
| 476 | #N/A | 57C 420502 T | 2SA733P | Q920 | | 1 |
| 477 | #N/A | 57C 5661PH | BT169B | Q935 | | 1 |
| 478 | #N/A | 61C 60210152T | CFR 100 OHM+-5% 1/6W | R101 | | 1 |
| 479 | #N/A | 61C 60224252T | CFR 2.4K OHM +-5% 1/6W | R102 | | 1 |
| 480 | #N/A | 61C 60210152T | CFR 100 OHM+-5% 1/6W | R103 | | 1 |
| 481 | #N/A | 61C 60210152T | CFR 100 OHM+-5% 1/6W | R104 | | 1 |
| 482 | #N/A | 61C 60210152T | CFR 100 OHM+-5% 1/6W | R105 | | 1 |
| 483 | E-00004322 | 61C 60215352T | CFR 15K OHM+-5% 1/6W | R106 | | 1 |
| 484 | #N/A | 61C 60247252T | CFR 4.7K OHM+-5% 1/6W | R107 | | 1 |
| 485 | #N/A | 61C 60222252T | CFR 2.2K OHM +-5% 1/6W | R108 | | 1 |
| 486 | #N/A | 61C 60222252T | CFR 2.2K OHM +-5% 1/6W | R109 | | 1 |
| 487 | #N/A | 61C 60210052T | CFR 10 OHM +-5% 1/6W | R110 | | 1 |
| 488 | #N/A | 61C 60210052T | CFR 10 OHM +-5% 1/6W | R111 | | 1 |
| 489 | #N/A | 61C 60215152T | CFR 150 OHM +-5% 1/6W | R112 | | 1 |
| 490 | #N/A | 61C 60218252T | CFR 1.8K OHM+-5% 1/6W | R113 | | 1 |
| 491 | #N/A | 61C 60218252T | CFR 1.8K OHM+-5% 1/6W | R114 | | 1 |

| Item | ViewSonic P/N | Ref. P/N | Description | Location | Universal number# | Q'ty |
|------|---------------|---------------|------------------------|----------|-------------------|------|
| 492 | #N/A | 61C 60239252T | CFR 3.9K OHM+-5% 1/6W | R116 | | 1 |
| 493 | #N/A | 61C 60210152T | CFR 100 OHM+-5% 1/6W | R117 | | 1 |
| 494 | #N/A | 61C 60212252T | CFR 1.2K OHM+-5% 1/6W | R118 | | 1 |
| 495 | #N/A | 61C 60247052T | CFR 47 OHM +-5% 1/6W | R119 | | 1 |
| 496 | E-00003625 | 95C 90 23 | JUMPER | R121 | | 0 |
| 497 | #N/A | 61C 60210152T | CFR 100 OHM+-5% 1/6W | R122 | | 1 |
| 498 | #N/A | 61C 60247252T | CFR 4.7K OHM+-5% 1/6W | R123 | | 1 |
| 499 | #N/A | 61C 60210252T | CFR 1K OHM+-5% 1/6W | R124 | | 1 |
| 500 | #N/A | 61C 60247152T | CFR 470 OHM +-5% 1/6W | R125 | | 1 |
| 501 | #N/A | 61C 60210352T | CFR 10K OHM+-5% 1/6W | R126 | | 1 |
| 502 | #N/A | 61C 60256252T | CFR 5.6KOHM+-5% 1/6W | R127 | | 1 |
| 503 | #N/A | 61C 60233352T | CFR 33K OHM+-5% 1/6W | R128 | | 1 |
| 504 | #N/A | 61C 60247152T | CFR 470 OHM +-5% 1/6W | R129 | | 1 |
| 505 | #N/A | 61C 60210352T | CFR 10K OHM+-5% 1/6W | R130 | | 1 |
| 506 | #N/A | 61C 60222252T | CFR 2.2K OHM +-5% 1/6W | R131 | | 1 |
| 507 | #N/A | 61C 60210152T | CFR 100 OHM+-5% 1/6W | R132 | | 1 |
| 508 | #N/A | 61C 17275252T | CFR 7.5K OHM +-5% 1/4W | R133 | | 1 |
| 509 | #N/A | 61C 60239252T | CFR 3.9K OHM+-5% 1/6W | R134 | | 1 |
| 510 | #N/A | 61C 60247152T | CFR 470 OHM +-5% 1/6W | R135 | | 1 |
| 511 | #N/A | 61C 60275352T | CFR 75K OHM +-5% 1/6W | R137 | | 1 |
| 512 | #N/A | 61C 17251352T | CFR 51K OHM +-5% 1/4W | R138 | | 1 |
| 513 | #N/A | 61C 60210152T | CFR 100 OHM+-5% 1/6W | R139 | | 1 |
| 514 | #N/A | 61C 60210152T | CFR 100 OHM+-5% 1/6W | R140 | | 1 |
| 515 | #N/A | 61C 60233352T | CFR 33K OHM+-5% 1/6W | R141 | | 1 |
| 516 | #N/A | 61C 60218352T | CFR 18K OHM +-5% 1/6W | R142 | | 1 |
| 517 | #N/A | 61C 60210152T | CFR 100 OHM+-5% 1/6W | R143 | | 1 |
| 518 | #N/A | 61C 60210352T | CFR 10K OHM+-5% 1/6W | R144 | | 1 |
| 519 | #N/A | 61C 60210152T | CFR 100 OHM+-5% 1/6W | R145 | | 1 |
| 520 | #N/A | 61C 60275252T | CFR 7.5K OHM +-5% 1/6W | R146 | | 1 |
| 521 | #N/A | 61C 17256352T | CFR 56K OHM +-5% 1/4W | R147 | | 1 |
| 522 | #N/A | 61C 60247252T | CFR 4.7K OHM+-5% 1/6W | R148 | | 1 |
| 523 | #N/A | 61C 60210352T | CFR 10K OHM+-5% 1/6W | R149 | | 1 |
| 524 | #N/A | 61C 17212452T | CFR 120K OHM +-5% 1/4W | R150 | | 1 |
| 525 | #N/A | 61C 60247152T | CFR 470 OHM +-5% 1/6W | R151 | | 1 |
| 526 | #N/A | 61C 60210252T | CFR 1K OHM+-5% 1/6W | R152 | | 1 |
| 527 | #N/A | 61C 60227252T | CFR 2.7K OHM+-5% 1/6W | R153 | | 1 |
| 528 | #N/A | 61C 60247152T | CFR 470 OHM +-5% 1/6W | R154 | | 1 |
| 529 | #N/A | 61C 17224252T | CFR 2.4KOHM+-5% 1/4W | R155 | | 1 |
| 530 | #N/A | 61C 60236252T | CFR 3.6K OHM+-5% 1/6W | R156 | | 1 |
| 531 | #N/A | 61C 60236252T | CFR 3.6K OHM+-5% 1/6W | R157 | | 1 |
| 532 | #N/A | 61C 60247252T | CFR 4.7K OHM+-5% 1/6W | R158 | | 1 |
| 533 | #N/A | 61C 60210152T | CFR 100 OHM+-5% 1/6W | R159 | | 1 |
| 534 | #N/A | 61C 17212452T | CFR 120K OHM +-5% 1/4W | R161 | | 1 |
| 535 | #N/A | 61C 60210252T | CFR 1K OHM+-5% 1/6W | R162 | | 1 |
| 536 | #N/A | 61C 60210252T | CFR 1K OHM+-5% 1/6W | R163 | | 1 |
| 537 | #N/A | 61C 60210152T | CFR 100 OHM+-5% 1/6W | R164 | | 1 |
| 538 | #N/A | 61C 60247252T | CFR 4.7K OHM+-5% 1/6W | R166 | | 1 |
| 539 | #N/A | 61C 60224252T | CFR 2.4K OHM +-5% 1/6W | R167 | | 1 |
| 540 | #N/A | 61C 60233252T | CFR 3.3K OHM+-5% 1/6W | R168 | | 1 |
| 541 | #N/A | 61C 60210152T | CFR 100 OHM+-5% 1/6W | R172 | | 1 |
| 542 | #N/A | 61C 60224252T | CFR 2.4K OHM +-5% 1/6W | R181 | | 1 |
| 543 | #N/A | 61C 60256252T | CFR 5.6KOHM+-5% 1/6W | R182 | | 1 |
| 544 | #N/A | 61C 60222352T | CFR 22K OHM+-5% 1/6W | R183 | | 1 |
| 545 | #N/A | 61C 208109 64 | MOFR 1 OHM +-5% 1W | R401 | | 1 |
| 546 | #N/A | 61C 17236952T | 3.6OHM +-5% 1/4W | R402 | | 1 |
| 547 | #N/A | 61C175L68352T | CFR 68K OHM +-5% 1/2W | R403 | | 1 |
| 548 | E-00003625 | 95C 90 23 | JUMPER | R411 | | 0 |
| 549 | #N/A | 61C 17247352T | CFR 47K OHM +-5% 1/4W | R412 | | 1 |
| 550 | #N/A | 61C 17210052T | CFR 100OHM+-5% 1/4W | R413 | | 1 |
| 551 | #N/A | 61C 17211252T | CFR 1.1K OHM +-5% 1/4W | R414 | | 1 |
| 552 | #N/A | 61C 17210452T | CFR100K OHM +-5% 1/4W | R415 | | 1 |
| 553 | #N/A | 61C 17212452T | CFR 120K OHM +-5% 1/4W | R416 | | 1 |
| 554 | #N/A | 61C 17282352T | CFR 82KOHM+-5% 1/4W | R417 | | 1 |
| 555 | #N/A | 61C 17211352T | CFR 11K OHM +-5% 1/4W | R418 | | 1 |
| 556 | #N/A | 61C 17218452T | CFR 180KOHM+-5% 1/4W | R420 | | 1 |
| 557 | #N/A | 61C 17210052T | CFR 100OHM+-5% 1/4W | R421 | | 1 |
| 558 | #N/A | 61C 60220352T | CFR 20K OHM+-5% 1/6W | R423 | | 1 |
| 559 | #N/A | 61C152M393 64 | MOFR 39KOHM+-5% 2W | R424 | | 1 |
| 560 | #N/A | 61C152M681 64 | MOFR 680 OHM+-5% 2W | R426 | | 1 |
| 561 | #N/A | 61C175L22052T | CFR 22 OHM +-5% 1/2W | R427 | | 1 |
| 562 | #N/A | 61C153M518 59 | MOFR 0.51 OHM +-5% 3W | R428 | | 1 |

| Item | ViewSonic P/N | Ref. P/N | Description | Location | Universal number# | Q'ty |
|------|---------------|---------------|-------------------------|----------|-------------------|------|
| 563 | #N/A | 61C 30110052T | 1/2W 10 OHM FUSIBIE RES | R429 | | 1 |
| 564 | #N/A | 61C 60247152T | CFR 470 OHM +-5% 1/6W | R433 | | 1 |
| 565 | #N/A | 61C 17210452T | CFR100K OHM +-5% 1/4W | R435 | | 1 |
| 566 | #N/A | 61C 17222252T | CFR 2.2KOHM+-5% 1/4W | R437 | | 1 |
| 567 | #N/A | 61C 60233352T | CFR 33K OHM+-5% 1/6W | R440 | | 1 |
| 568 | #N/A | 61C 17222252T | CFR 2.2KOHM+-5% 1/4W | R442 | | 1 |
| 569 | E-00003625 | 95C 90 23 | JUMPER | R443 | | 0 |
| 570 | #N/A | 61C 60247252T | CFR 4.7K OHM+-5% 1/6W | R446 | | 1 |
| 571 | E-00003625 | 95C 90 23 | JUMPER | R447 | | 0 |
| 572 | #N/A | 61C 17210452T | CFR100K OHM +-5% 1/4W | R449 | | 1 |
| 573 | #N/A | 61C 17210052T | CFR 100OHM+-5% 1/4W | R450 | | 1 |
| 574 | #N/A | 61C152M220 64 | 22 OHM +-5% 2W | R455 | | 1 |
| 575 | E-R-0405-6855 | 61C153M151 59 | MOFR 150 OHM +-5% 3W | R456 | | 1 |
| 576 | #N/A | 61A212Y47252T | MGFR 4.7KOHM +-5% 1/2W | R459 | | 1 |
| 577 | #N/A | 61C 17247252T | CFR 4.7K OHM +-5% 1/4W | R460 | | 1 |
| 578 | #N/A | 61C 17220552T | CFR 2MOHM+-5% 1/4W | R463 | | 1 |
| 579 | #N/A | 61C 17210452T | CFR100K OHM +-5% 1/4W | R471 | | 1 |
| 580 | #N/A | 61C 17247252T | CFR 4.7K OHM +-5% 1/4W | R473 | | 1 |
| 581 | #N/A | 61C 17210052T | CFR 100OHM+-5% 1/4W | R475 | | 1 |
| 582 | #N/A | 61C 17222452T | CFR 220KOHM+-5% 1/4W | R476 | | 1 |
| 583 | #N/A | 61C 17222252T | CFR 2.2KOHM+-5% 1/4W | R477 | | 1 |
| 584 | #N/A | 61C 17222452T | CFR 220KOHM+-5% 1/4W | R478 | | 1 |
| 585 | #N/A | 61C 17222452T | CFR 220KOHM+-5% 1/4W | R479 | | 1 |
| 586 | #N/A | 61A212Y47152T | 470 OHM 1/2W | R480 | | 1 |
| 587 | #N/A | 61C 17247252T | CFR 4.7K OHM +-5% 1/4W | R481 | | 1 |
| 588 | E-00003625 | 95C 90 23 | JUMPER | R482 | | 0 |
| 589 | E-00003625 | 95C 90 23 | JUMPER | R484 | | 0 |
| 590 | #N/A | 61C 17247252T | CFR 4.7K OHM +-5% 1/4W | R486 | | 1 |
| 591 | #N/A | 61C 17222252T | CFR 2.2KOHM+-5% 1/4W | R487 | | 1 |
| 592 | #N/A | 61C 17222452T | CFR 220KOHM+-5% 1/4W | R488 | | 1 |
| 593 | #N/A | 61C 60233352T | CFR 33K OHM+-5% 1/6W | R489 | | 1 |
| 594 | #N/A | 61C 60247152T | CFR 470 OHM +-5% 1/6W | R601 | | 1 |
| 595 | #N/A | 61C 21020252T | MFR 2KOHM +-1% 1/6W | R602 | | 1 |
| 596 | #N/A | 61C 60247152T | CFR 470 OHM +-5% 1/6W | R603 | | 1 |
| 597 | #N/A | 61C 21020252T | MFR 2KOHM +-1% 1/6W | R604 | | 1 |
| 598 | #N/A | 61C 60210052T | CFR 10 OHM +-5% 1/6W | R605 | | 1 |
| 599 | #N/A | 61C 208121 64 | 120 OHM 1W | R606 | | 1 |
| 600 | #N/A | 61C152M109 64 | MOFR 1 OHM +-5% 2W | R607 | | 1 |
| 601 | #N/A | 61C152M688 64 | MOFR 0.68 OHM +-5% 2W | R608 | | 1 |
| 602 | #N/A | 61C175L27152T | CFR 270 OHM +-5% 1/2W | R609 | | 1 |
| 603 | #N/A | 61C175L10952T | CFR 1 OHM +-5% 1/2W | R610 | | 1 |
| 604 | #N/A | 61C 17212052T | CFR 12 OHM +-5% 1/4W | R611 | | 1 |
| 605 | #N/A | 61C 17233352T | CFR 33KOHM+-5% 1/4W | R707 | | 1 |
| 606 | #N/A | 61C 17236352T | CFR 36K OHM +-5% 1/4W | R715 | | 1 |
| 607 | E-00003625 | 95C 90 23 | JUMPER | R718 | | 0 |
| 608 | #N/A | 61C175L10252T | CFR 1K OHM +-5% 1/2W | R721 | | 1 |
| 609 | #N/A | 61C 17247352T | CFR 47K OHM +-5% 1/4W | R722 | | 1 |
| 610 | #N/A | 61C152M220 64 | 22 OHM +-5% 2W | R723 | | 1 |
| 611 | #N/A | 61A212Y18452T | MGFR 180K OHM +-5% 1/2W | R725 | | 1 |
| 612 | #N/A | 61C 17224252T | CFR 2.4KOHM+-5% 1/4W | R726 | | 1 |
| 613 | E-00003625 | 95C 90 23 | JUMPER | R730 | | 0 |
| 614 | #N/A | 61C 20047952T | MFR 4.7 OHM +-1% 1/4W | R738 | | 1 |
| 615 | #N/A | 61C175L56352T | CFR 56K OHM +-5% 1/2W | R740 | | 1 |
| 616 | #N/A | 61A212Y51352T | MGFR 51K OHM +-5% 1/2W | R741 | | 1 |
| 617 | #N/A | 61C 60268252T | CFR 6.8K OHM+-5% 1/6W | R748 | | 1 |
| 618 | #N/A | 61C 17275352T | CFR 75K OHM +-5% 1/4W | R749 | | 1 |
| 619 | E-00003625 | 95C 90 23 | JUMPER | R750 | | 0 |
| 620 | #N/A | 61C 60230152T | 300OHM 1/6W | R751 | | 1 |
| 621 | #N/A | 61C 60210152T | CFR 100 OHM+-5% 1/6W | R802 | | 1 |
| 622 | #N/A | 61C175L10152T | CFR 100 OHM +-5% 1/2W | R804 | | 1 |
| 623 | #N/A | 61C 60210152T | CFR 100 OHM+-5% 1/6W | R805 | | 1 |
| 624 | #N/A | 61C 21082252T | MFR 8.2KOHM +-1% 1/6W | R806 | | 1 |
| 625 | E-00003625 | 95C 90 23 | JUMPER | R807 | | 0 |
| 626 | E-00003625 | 95C 90 23 | JUMPER | R808 | | 0 |
| 627 | #N/A | 61C172S47152T | RES CF 5% 1/4W 470OHM A | R809 | | 1 |
| 628 | #N/A | 61C 60262252T | CFR 6.2K OHM +-5% 1/6W | R811 | | 1 |
| 629 | #N/A | 61C 60268252T | CFR 6.8K OHM+-5% 1/6W | R812 | | 1 |
| 630 | #N/A | 61C 60268252T | CFR 6.8K OHM+-5% 1/6W | R813 | | 1 |
| 631 | #N/A | 61C 60247252T | CFR 4.7K OHM+-5% 1/6W | R814 | | 1 |
| 632 | #N/A | 61C 17215152T | CFR 150 OHM +-5% 1/4W | R815 | | 1 |
| 633 | #N/A | 61C 60268252T | CFR 6.8K OHM+-5% 1/6W | R816 | | 1 |

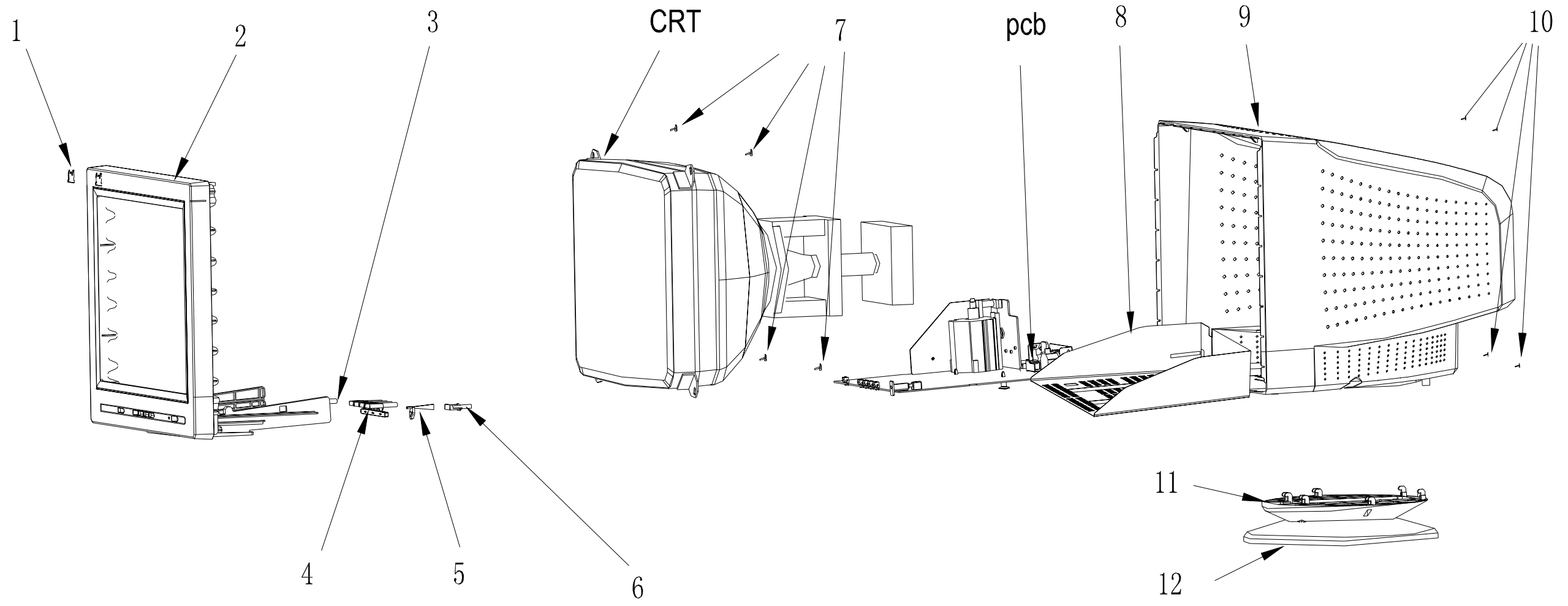
| Item | ViewSonic P/N | Ref. P/N | Description | Location | Universal number# | Q'ty |
|------|---------------|---------------|-------------------------|----------|-------------------|------|
| 634 | #N/A | 61C172S47152T | RES CF 5% 1/4W 470OHM A | R817 | | 1 |
| 635 | #N/A | 61C 60233052T | CFR 33 OHM +-5% 1/6W | R818 | | 1 |
| 636 | #N/A | 61C 17233452T | CFR 330K OHM +-5% 1/4W | R819 | | 1 |
| 637 | #N/A | 61C 60210052T | CFR 10 OHM +-5% 1/6W | R820 | | 1 |
| 638 | #N/A | 61C 60233052T | CFR 33 OHM +-5% 1/6W | R821 | | 1 |
| 639 | E-00003625 | 95C 90 23 | JUMPER | R822 | | 0 |
| 640 | #N/A | 61C 60275052T | CFR 75 OHM+-5% 1/6W | R824 | | 1 |
| 641 | #N/A | 61C 60210352T | CFR 10K OHM+-5% 1/6W | R825 | | 1 |
| 642 | #N/A | 61C 60275052T | CFR 75 OHM+-5% 1/6W | R826 | | 1 |
| 643 | E-00003625 | 95C 90 23 | JUMPER | R827 | | 0 |
| 644 | #N/A | 61C 20733052T | 33OHM 1/2W | R828 | | 1 |
| 645 | #N/A | 61C 20733052T | 33OHM 1/2W | R829 | | 1 |
| 646 | #N/A | 61C172S47152T | RES CF 5% 1/4W 470OHM A | R830 | | 1 |
| 647 | #N/A | 61C 60210052T | CFR 10 OHM +-5% 1/6W | R832 | | 1 |
| 648 | E-00003625 | 95C 90 23 | JUMPER | R833 | | 0 |
| 649 | #N/A | 61C 60275052T | CFR 75 OHM+-5% 1/6W | R834 | | 1 |
| 650 | #N/A | 61C 60210052T | CFR 10 OHM +-5% 1/6W | R835 | | 1 |
| 651 | #N/A | 61C 60233052T | CFR 33 OHM +-5% 1/6W | R836 | | 1 |
| 652 | #N/A | 61C 17233452T | CFR 330K OHM +-5% 1/4W | R837 | | 1 |
| 653 | #N/A | 61C 60210252T | CFR 1K OHM+-5% 1/6W | R838 | | 1 |
| 654 | #N/A | 61C 20733052T | 33OHM 1/2W | R840 | | 1 |
| 655 | #N/A | 61C 17210152T | CFR 100OHM+-5% 1/4W | R841 | | 1 |
| 656 | #N/A | 61C 17210152T | CFR 100OHM+-5% 1/4W | R842 | | 1 |
| 657 | #N/A | 61C 17210152T | CFR 100OHM+-5% 1/4W | R843 | | 1 |
| 658 | #N/A | 61C 17233452T | CFR 330K OHM +-5% 1/4W | R844 | | 1 |
| 659 | #N/A | 61C 60247252T | CFR 4.7K OHM+-5% 1/6W | R845 | | 1 |
| 660 | #N/A | 71C 55 9 T C | CORE RF BEAD RH 3.5X6X0 | R846 | | 1 |
| 661 | E-R-0405-6803 | 61A212Y10652T | 10MOHM +-5% 1/2W金? | R900 | | 1 |
| 662 | E-R-0405-6779 | 61A212Y10552T | MGFR 1M OHM+-5% 1/2W | R901 | | 1 |
| 663 | #N/A | 61C 60275252T | CFR 7.5K OHM +-5% 1/6W | R902 | | 1 |
| 664 | #N/A | 61C175L43152T | CFR 430 OHM +-5% 1/2W | R903 | | 1 |
| 665 | #N/A | 61C 17227252T | CFR 2.7KOHM+-5% 1/4W | R904 | | 1 |
| 666 | #N/A | 61C 60262252T | CFR 6.2K OHM +-5% 1/6W | R905 | | 1 |
| 667 | #N/A | 61C 17247052T | CFR 47 OHM +-5% 1/4W | R906 | | 1 |
| 668 | #N/A | 61C 208681 64 | MOFR 680 OHM +-5% 1W | R907 | | 1 |
| 669 | #N/A | 61C175L15052T | CFR 15 OHM +-5% 1/2W | R908 | | 1 |
| 670 | #N/A | 61C 17210152T | CFR 100OHM+-5% 1/4W | R909 | | 1 |
| 671 | #N/A | 61C 60291352T | CFR 91K OHM +-5% 1/6W | R910 | | 1 |
| 672 | E-00003625 | 95C 90 23 | JUMPER | R911 | | 0 |
| 673 | #N/A | 61C 60210252T | CFR 1K OHM+-5% 1/6W | R912 | | 1 |
| 674 | #N/A | 61C203S12452T | 120KOHM 1/2W | R913 | | 1 |
| 675 | #N/A | 61C 60247052T | CFR 47 OHM +-5% 1/6W | R914 | | 1 |
| 676 | #N/A | 61C203S27252T | 2.7K 1/2W | R915 | | 1 |
| 677 | #N/A | 61C203S24152T | 240OHM 1/2W | R916 | | 1 |
| 678 | #N/A | 61C203S10452T | 100KOHM 1/2W | R917 | | 1 |
| 679 | #N/A | 61C 20733252T | 3.3K 1/2W | R918 | | 1 |
| 680 | #N/A | 61C 17247852T | 0.47OHM 1/4 W | R920 | | 1 |
| 681 | E-R-0405-6779 | 61A212Y10552T | MGFR 1M OHM+-5% 1/2W | R921 | | 1 |
| 682 | E-00003625 | 95C 90 23 | JUMPER | R922 | | 0 |
| 683 | #N/A | 61C 17247852T | 0.47OHM 1/4 W | R923 | | 1 |
| 684 | #N/A | 61C 17247852T | 0.47OHM 1/4 W | R924 | | 1 |
| 685 | #N/A | 61C 17247852T | 0.47OHM 1/4 W | R925 | | 1 |
| 686 | #N/A | 61C152M823 64 | MOFR 82K+-5% 2W | R927 | | 1 |
| 687 | #N/A | 61C 60239152T | CFR 390 OHM +-5% 1/6W | R928 | | 1 |
| 688 | #N/A | 61C152M560 64 | MOFR 56 OHM+-5% 2W | R929 | | 1 |
| 689 | #N/A | 61C 60233152T | CFR 330 OHM+-5% 1/6W | R931 | | 1 |
| 690 | #N/A | 61C 60227352T | CFR 27K OHM+-5% 1/6W | R932 | | 1 |
| 691 | #N/A | 61C 60210252T | CFR 1K OHM+-5% 1/6W | R933 | | 1 |
| 692 | #N/A | 61C203S10052T | 100OHM 1/4 W | R934 | | 1 |
| 693 | #N/A | 61C203S24452T | 240K 1/2W | R935 | | 1 |
| 694 | #N/A | 61A214Y10252T | MGFR 1K 1/4W | R936 | | 1 |
| 695 | #N/A | 61C203S33452T | 330K 1/2W | R937 | | 1 |
| 696 | #N/A | 61C 60215052T | CFR 15 OHM +-5% 1/6W | R938 | | 1 |
| 697 | #N/A | 61C 17222352T | CFR 22KOHM+-5% 1/4W | R939 | | 1 |
| 698 | #N/A | 61C 17215452T | CFR 150K OHM +-5% 1/4W | R950 | | 1 |
| 699 | #N/A | 61C 60210252T | CFR 1K OHM+-5% 1/6W | R951 | | 1 |
| 700 | #N/A | 61C203S56252T | 5.6K OHM 1/2W | R953 | | 1 |
| 701 | #N/A | 61C 17247052T | CFR 47 OHM +-5% 1/4W | R962 | | 1 |
| 702 | #N/A | 61C 17210052T | CFR 100OHM+-5% 1/4W | R965 | | 1 |
| 703 | #N/A | 61C 17247352T | CFR 47K OHM +-5% 1/4W | R967 | | 1 |
| 704 | #N/A | 61C 17239352T | CFR 39K OHM +-5% 1/4W | R969 | | 1 |

| Item | ViewSonic P/N | Ref. P/N | Description | Location | Universal number# | Q'ty |
|------|---------------|---------------|-------------------------|----------|-------------------|------|
| 705 | #N/A | 61C175L22452T | CFR 220K OHM +-5% 1/2W | R970 | | 1 |
| 706 | #N/A | 61C 17220252T | CFR 2KOHM+-5% 1/4W | R972 | | 1 |
| 707 | #N/A | 61A212Y20452T | MGFR 200K OHM +-5% 1/2W | R973 | | 1 |
| 708 | #N/A | 61C175L20452T | CFR 200K OHM +-5% 1/2W | R977 | | 1 |
| 709 | #N/A | 61C 17222152T | CFR 220OHM+-5% 1/4W | R980 | | 1 |
| 710 | #N/A | 61C 17210352T | CFR 10KOHM +-5% 1/4W | R982 | | 1 |
| 711 | #N/A | 61C 17210352T | CFR 10KOHM +-5% 1/4W | R983 | | 1 |
| 712 | #N/A | 61C 17210052T | CFR 100OHM+-5% 1/4W | R989 | | 1 |
| 713 | #N/A | 6C 31500 | EYELET | RV1 | | 1 |
| 714 | PL-00002759 | 6C 31 4 | BRASS | RV10 | | 1 |
| 715 | PL-00002759 | 6C 31 4 | BRASS | RV11 | | 1 |
| 716 | PL-00002759 | 6C 31 4 | BRASS | RV12 | | 1 |
| 717 | PL-00002759 | 6C 31 4 | BRASS | RV13 | | 1 |
| 718 | PL-00002759 | 6C 31 4 | BRASS | RV14 | | 1 |
| 719 | PL-00002759 | 6C 31 4 | BRASS | RV15 | | 1 |
| 720 | PL-00002759 | 6C 31 4 | BRASS | RV16 | | 1 |
| 721 | PL-00002759 | 6C 31 4 | BRASS | RV17 | | 1 |
| 722 | PL-00002759 | 6C 31 4 | BRASS | RV18 | | 1 |
| 723 | #N/A | 6C 31502 | BRASS | RV19 | | 1 |
| 724 | #N/A | 6C 31500 | EYELET | RV2 | | 1 |
| 725 | #N/A | 6C 31502 | BRASS | RV20 | | 1 |
| 726 | #N/A | 6C 31502 | BRASS | RV22 | | 1 |
| 727 | #N/A | 6C 31502 | BRASS | RV24 | | 1 |
| 728 | #N/A | 6C 31502 | BRASS | RV25 | | 1 |
| 729 | #N/A | 6C 31502 | BRASS | RV26 | | 1 |
| 730 | #N/A | 6C 31502 | BRASS | RV28 | | 1 |
| 731 | #N/A | 6C 31500 | EYELET | RV3 | | 1 |
| 732 | #N/A | 6C 31502 | BRASS | RV30 | | 1 |
| 733 | #N/A | 6C 31501 | BRASS | RV31 | | 1 |
| 734 | #N/A | 6C 31501 | BRASS | RV32 | | 1 |
| 735 | #N/A | 6C 31501 | BRASS | RV33 | | 1 |
| 736 | PL-00002759 | 6C 31 4 | BRASS | RV34 | | 1 |
| 737 | #N/A | 6C 31500 | EYELET | RV4 | | 1 |
| 738 | PL-00002759 | 6C 31 4 | BRASS | RV5 | | 1 |
| 739 | PL-00002759 | 6C 31 4 | BRASS | RV6 | | 1 |
| 740 | PL-00002759 | 6C 31 4 | BRASS | RV7 | | 1 |
| 741 | PL-00002759 | 6C 31 4 | BRASS | RV8 | | 1 |
| 742 | PL-00002759 | 6C 31 4 | BRASS | RV9 | | 1 |
| 743 | #N/A | 77C 260 5 4 | RELAY | RY401 | | 1 |
| 744 | #N/A | 77C 260 5 4 | RELAY | RY901 | | 1 |
| 745 | #N/A | 77C 260 5 2W | RELAY OSA-SS-212DM5 | RY901 | | 0 |
| 746 | #N/A | 62A 10 16 W | SPARK GAP | SG408 | | 1 |
| 747 | #N/A | 77C411A 2 S | MINI PUSH SWITCH | SW901 | | 1 |
| 748 | #N/A | S79C167118VC | DRIVER TRANS ASSY | T401 | | 0 |
| 749 | #N/A | 79C 167118 HC | DRIVE TRANSFORMER | T401 | | 0 |
| 750 | E-00004063 | 79C 167118 LC | DRIVE TRANSFORMER | T401 | | 1 |
| 751 | E-00004540 | 79C 793 1ALB | FBT,SHAMPO | T402 | | 1 |
| 752 | E-00001632 | 79C 167124 HB | DRIVER TRANS | T403 | | 1 |
| 753 | E-00004539 | 80C995D 1 L2 | TRANS LITAI | T901 | | 1 |
| 754 | E-00004379 | 9C 211 2 | PIN 1.2X15MM | TP402 | | 1 |
| 755 | #N/A | 95C201F 50182 | 18" ? PULSE | TP405 | | 1 |
| 756 | PL-00002752 | 12C 385 1 | RUBBER FOOT | V000 | | 0 |
| 757 | #N/A | 45C 76 34 RN | PE BAG FOR BASE | V000 | | 0 |
| 758 | E-R-0405-6801 | 75A 335223 | CFVR 22K OHM +-20% | VR701 | | 1 |
| 759 | #N/A | 75A 335222 | CFVR 2.2K OHM +-20% | VR902 | | 1 |
| 760 | E-00003625 | 95C 90 23 | JUMPER | XGND | | 1 |
| 761 | #N/A | 93C 3950752T | ZENER DIODE | ZD101 | | 1 |
| 762 | #N/A | 93C 3951352T | HZ6C2-E | ZD102 | | 1 |
| 763 | #N/A | 93C 3951752T | TZX6V2C | ZD102 | | 0 |
| 764 | #N/A | 93C 3951352T | HZ6C2-E | ZD103 | | 1 |
| 765 | #N/A | 93C 3951752T | TZX6V2C | ZD103 | | 0 |
| 766 | #N/A | 93C 3951352T | HZ6C2-E | ZD104 | | 1 |
| 767 | #N/A | 93C 3951752T | TZX6V2C | ZD104 | | 0 |
| 768 | #N/A | 93C 3951352T | HZ6C2-E | ZD105 | | 1 |
| 769 | #N/A | 93C 3951752T | TZX6V2C | ZD105 | | 0 |
| 770 | E-00003628 | 93C 3951652T | TZX5V1B | ZD107 | | 1 |
| 771 | E-00003625 | 95C 90 23 | JUMPER | ZD108 | | 0 |
| 772 | E-00003628 | 93C 3951652T | TZX5V1B | ZD701 | | 1 |
| 773 | #N/A | 93C 39 7352T | HZ6B1-E | ZD702 | | 1 |
| 774 | E-00003628 | 93C 3951652T | TZX5V1B | ZD726 | | 1 |
| 775 | E-00002740 | 93C 3951852T | TZX8V2A | ZD804 | | 1 |

| Item | ViewSonic P/N | Ref. P/N | Description | Location | Universal number# | Q'ty |
|------|----------------|----------------|--------------------------------------|----------|-------------------|------|
| 776 | #N/A | 93C 3951952T | TZX8V2B | ZD804 | | 0 |
| 777 | E-00002740 | 93C 3951852T | TZX8V2A | ZD901 | | 1 |
| 778 | #N/A | 93C 39 7352T | HZ6B1-E | ZD902 | | 1 |
| 779 | E-00004306 | 93C 3953052T | TZX5V6D | ZD902 | | 0 |
| 780 | #N/A | 93C 39 7752T | HZ5C1-E | ZD904 | | 1 |
| 781 | B-00004530 | CMB985D1NVSC | CHASSIS FOR B985D-1VSC (E96f+SB-G) | | | 1 |
| 782 | B-00004531 | CMB985D1NVW | CHASSIS FOR B985D-1VSC (E96f+SB-M) | | | 1 |
| 783 | #N/A | 1C 503 5T 47 | SCREW FOR CRT | | | 4 |
| 784 | #N/A | 5C 38 8 | RUBBER WASHER | | | 2 |
| 785 | #N/A | 5C600605075S | CRT WASHER | | | 2 |
| 786 | #N/A | 7C 1 4V27 | WOODEN PALLET | | | 0 |
| 787 | #N/A | 11C 112500 | WIRE MOUNT | | | 1 |
| 788 | #N/A | 11C 115500 | FBT CLIP | | | 1 |
| 789 | #N/A | 19C 403 7 | STEEL | | | 1 |
| 790 | #N/A | 23C3182 1 | Logo | | | 1 |
| 791 | #N/A | 33C6336 FK F | POWER KNOB | | | 1 |
| 792 | #N/A | 33C6337 1 | LENS | | | 1 |
| 793 | #N/A | 33C6338 FK F | KEY PAD | | | 1 |
| 794 | #N/A | 33C6339 FK F | OSD KNOB | | | 1 |
| 795 | #N/A | 33C6918 Y A | S.W.CAP | | | 1 |
| 796 | C-00004373 | 34C 741 QD L | BASE | | | 1 |
| 797 | C-00004534 | 34C6285AFK F | FRONT PANEL | | | 1 |
| 798 | C-00004524 | 34C6286 FK F | BACK COVER | | | 1 |
| 799 | #N/A | 34C6293 QD L | SWIVEL | | | 1 |
| 800 | #N/A | 40C 58162435A | MANUAL P/N LABEL | | | 1 |
| 801 | #N/A | 40C 581625 2A | PALLET LABEL | | | 0 |
| 802 | #N/A | 40C 581709 1A | CARTON LABEL | | | 1 |
| 803 | #N/A | 40C 58170912A | S/N BARCODE FOR WARRANT | | | 2 |
| 804 | #N/A | 40C 58170918D | PALLET LABEL | | | 0 |
| 805 | #N/A | 40C 90B709 1A | ID LABEL | | | 1 |
| 806 | #N/A | 41C 68709 7E | WARRANTY CARD | | | 1 |
| 807 | #N/A | 41C 6870913A | QUICK SET UP GUIDE | | | 1 |
| 808 | P-00004544 | 44C6925709 2A | CARTON | | | 1 |
| 809 | P-00004077 | 44C6932 1 | EPS CUSHION | | | 1 |
| 810 | P-00004078 | 44C6932 2 | EPS CUSHION | | | 1 |
| 811 | P-00004101 | 45C 76 20 RN | PE BAG FOR MONITOR | | | 1 |
| 812 | P-00002871 | 45C 76 28 V3 | PE BAG FOR MANUAL | | | 1 |
| 813 | #N/A | 45C 88539 | OUT PE BAG | | | 1 |
| 814 | #N/A | 45C 88601 C | EPE COVER | | | 1 |
| 815 | #N/A | 50C 500500 | CABLE TIE | | | 2 |
| 816 | #N/A | 50C 500502 | CABLE TIE | | | 5 |
| 817 | #N/A | 50C 502 2 | PLASTIC TIE | | | 2 |
| 818 | #N/A | 50C 502 5 | CABLE TIE | | | 1 |
| 819 | #N/A | 51C 6 4 | SILICON | | | 9 |
| 820 | #N/A | 52C 1150 C | TAPE | | | 2 |
| 821 | #N/A | 52C 1185 | MIDDLE TAPE FOR CARTON | | | 6 |
| 822 | #N/A | 52C 1185 1 | BIG TAPE | | | 6 |
| 823 | #N/A | 52C 1186 | SMALL TAPE | | | 5 |
| 824 | DC-00004536 | 70CD920709 1B | CD MANUAL (E96f+SB-G) | | | 1 |
| 825 | DC-00004537 | 70CD920709 1A | CD MANUAL (E96f+SB-M) | | | 1 |
| 826 | #N/A | 71C 100504 T | CORE | | | 1 |
| 827 | #N/A | 85C6024506 | SHIELD | | | 1 |
| 828 | #N/A | 85C6027604 | SHIELD CASE | | | 1 |
| 829 | #N/A | 85C6028500 | SHIELD CASE | | | 1 |
| 830 | #N/A | 95C 91205782 | WIRE HARNESS | | | 1 |
| 831 | #N/A | 95C8013 2 | CONNECTOR/黑? PIN | | | 0 |
| 832 | HW-00002750 | B1C1035 10 47 | SCREW | | | 1 |
| 833 | HW-00002758 | D1C1140 7128 | SCREW 4X7(FOR AC) | | | 1 |
| 834 | HW-00002749 | Q1C 340 16 47 | SCREW | | | 4 |
| 835 | #N/A | 705A985DP52 01 | COPPER ASS'Y | | | 1 |
| 836 | E-00004542 | 750A1697 77BAG | DEGAUSSING COIL | | | 1 |
| 837 | E-00003860 | 750C55372AV | SDI 19" DFTM CRT | | | 0 |
| 838 | #N/A | AMB985D1NVSC | MAIN BOARD | | | 1 |
| 839 | B-00004532 | CRB985D1NVSC | CRT BAORD (E96f+SB-G) | | | 1 |
| 840 | B-00004532 | CRB985D1NVSC | CRT BAORD (E96f+SB-M) | | | 1 |
| 841 | #N/A | 11C6033 3 | PCB SUPPORT | | | 2 |
| 842 | #N/A | 15C5640 1 A B | GND LUG | | | 1 |
| 843 | #N/A | 40C 581624 2B | CHASSIS LABEL | | | 1 |
| 844 | M-MS-0808-7412 | 55A 1 4 | SOLDER BAR | | | 6 |
| 845 | #N/A | 71C 100 8 | FERRITE CORE 12*25*15 | | | 1 |
| 846 | #N/A | B1C1040 12128 | SCREW | | | 1 |

| Item | ViewSonic P/N | Ref. P/N | Description | Location | Universal number# | Q'ty |
|------|---------------|----------------|----------------------|----------|-------------------|------|
| 847 | HW-00002758 | D1C1140 7128 | SCREW 4X7(FOR AC) | | | 1 |
| 848 | HW-00004380 | M1C1140 6128 | SCREW | | | 1 |
| 849 | #N/A | M1C1730 8128 | SCREW M3x8 | | | 1 |
| 850 | #N/A | 705A985DC15 01 | AC ASS'Y | | | 1 |
| 851 | #N/A | 705A985DC5601A | IC601 ASS'Y | | | 1 |
| 852 | #N/A | 705A985DC5701A | D408/Q403 ASS'Y | | | 1 |
| 853 | #N/A | 705A985DC5701B | Q901 ASS'Y | | | 1 |
| 854 | #N/A | 705A985DC5702A | Q420 ASS'Y | | | 1 |
| 855 | #N/A | 705A985DC6101A | NR901 ASS'Y | | | 1 |
| 856 | #N/A | 705A985DC84 1 | F901 ASS'Y | | | 1 |
| 857 | #N/A | 705A985DC8702A | CN901 ASS'Y | | | 1 |
| 858 | #N/A | 705A985DX9301A | X101 ASS'Y | | | 1 |
| 859 | #N/A | 715C1576 2 | CMPC | | | 1 |
| 860 | #N/A | ARB985D1INVSC | CRT BOARD | | | 1 |
| 861 | #N/A | 40C 45762412B | LABEL | | | 1 |
| 862 | #N/A | 87C3504 DL | CRT SOCKET(QQ FOCUS) | | | 1 |
| 863 | #N/A | 90C6113500 | HEAT SINK | | | 1 |
| 864 | #N/A | 705A985DR5601V | IC802 ASS'Y | | | 1 |
| 865 | PL-00002759 | 6C 31 4 | BRASS | | | 3 |
| 866 | #N/A | 715C1451 1 1 | CRPC BOARD | | | 1 |
| 867 | #N/A | 2C6003 1 | SCREW NUT | | | 2 |
| 868 | #N/A | 90C6026506 | HEAT SINK | | | 1 |
| 869 | #N/A | 90C6074 4 | HEAT SINK | | | 1 |
| 870 | #N/A | M1C1730 10128 | SCREW M3x10 | | | 2 |
| 871 | E-00003860 | 750C55372AV | SDI 19" DFTM CRT | | | 1 |
| 872 | E-00003860 | 750C55372AV | SDI 19" DFTM CRT | | | 1 |
| 873 | HW-00004075 | 15C5659500 2 | Rear Bracket | | | 1 |
| 874 | #N/A | B1C1140 6128 | SCREW | | | 1 |
| 875 | #N/A | 32C3028 8 | MICA | | | 1 |
| 876 | #N/A | 90C 351511 A | HEAT SINK | | | 1 |
| 877 | #N/A | M1C1730 10128 | SCREW M3x10 | | | 1 |
| 878 | #N/A | M1C1730 10128 | SCREW M3x10 | | | 1 |
| 879 | #N/A | 5C 71 1 | TRANSISTOR HOUSING | | | 3 |
| 880 | #N/A | 32C3028504 | MICA | | | 3 |
| 881 | #N/A | 90C6055700 | HEAT SINK | | | 1 |
| 882 | #N/A | M1C1130 8128 | SCREW 3.0X8 | | | 1 |
| 883 | #N/A | M1C1130 8128 | SCREW 3.0X8 | | | 1 |
| 884 | #N/A | M1C1730 8128 | SCREW M3x8 | | | 1 |
| 885 | #N/A | M1C1730 10128 | SCREW M3x10 | | | 1 |
| 886 | #N/A | M1C1730 12128 | SCREW | | | 3 |
| 887 | #N/A | 32C3028 8 | MICA | | | 1 |
| 888 | #N/A | 90C6234 1 | HEAT SINK | | | 1 |
| 889 | #N/A | M1C1730 8128 | SCREW M3x8 | | | 1 |
| 890 | #N/A | 90C6118 1 | HEAT SINK | | | 1 |
| 891 | #N/A | M1C1730 6128 | SCREW M3x6 | | | 1 |
| 892 | #N/A | 9C 203 9 | PIN | | | 1 |
| 893 | M-00002753 | 87C 501 6 | AC SOCKET | | | 1 |
| 894 | #N/A | 95C2070501 | WIRE HARNESS | | | 1 |

8. Exploded Diagram And Spare Parts List



| | |
|------------------------------|-----------|
| ViewSonic Corporation | |
| Model | E96f+SB-1 |
| Title | |
| Date | Rev: |

EXPLODED PARTS LIST (E96f+SB-1G/P)

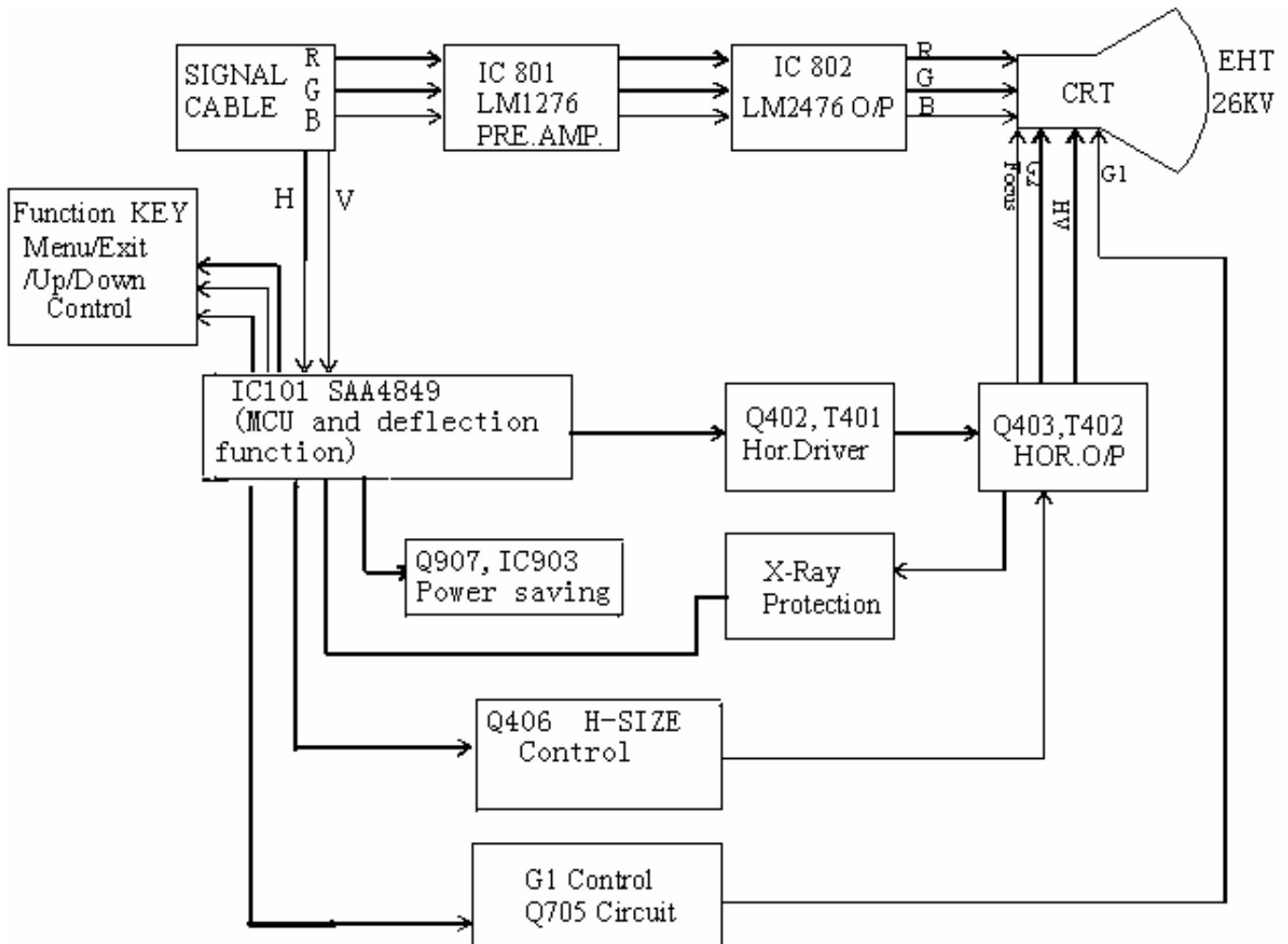
ViewSonic Model Number: VS10794-1G/P

Rev: 1a

Serial No. Prefix: PTD / PTE

| Item | ViewSonic P/N | Ref. P/N | Description | Q'ty |
|------|---------------|---------------|-------------|------|
| 1 | #N/A | 23C3182-1 | LOGO | 1PCS |
| 2 | C-00004534 | 34C6285-AFK-F | BEZEL | 1PCS |
| 3 | #N/A | 33C6339-FK-F | OSDKNOB | 1PCS |
| 4 | #N/A | 33C6338-FK-F | KEYPAD | 1PCS |
| 5 | #N/A | 33C6337-1 | LENS | 1PCS |
| 6 | #N/A | 33C6336-FK-F | POWERKNOB | 1PCS |
| 7 | #N/A | 1C503-5T-47 | SCREW | 4PCS |
| 8 | #N/A | 85C6027-604 | SHIELD | 1PCS |
| 9 | C-00004524 | 34C6286FK-F | REARCOVER | 1PCS |
| 10 | HW-00002749 | Q1C-340-164-7 | SCREW | 4PCS |
| 11 | #N/A | 34C6293-QD-L | SWIVEL | 1PCS |
| 12 | C-00004373 | 34C741-QD-L | BASE | 1PCS |
| 13 | E-00003860 | 750C5537-2AV | CRT | 1PCS |
| 14 | #N/A | 715C1576-2 | PCB | 1PCS |

9. Block Diagram



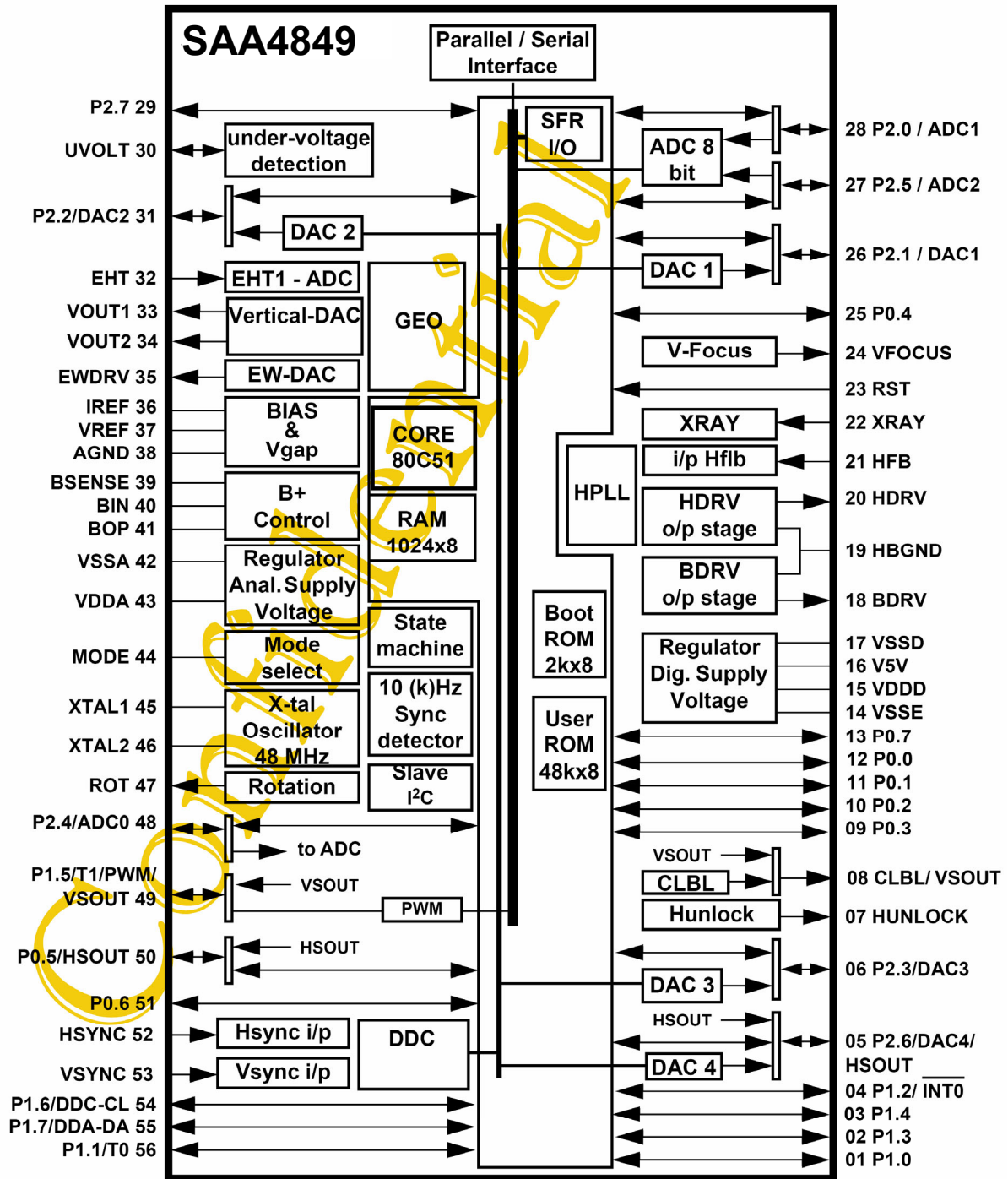
IC101

| | | | |
|----|-----------|----------|----|
| 1 | SwiChoice | NC | 56 |
| 2 | ISCL | DSDA | 55 |
| 3 | ISDA | DSCL | 54 |
| 4 | Mute G1 | Vs | 53 |
| 5 | ROTA | Hs | 52 |
| 6 | H-LIN | EEP W/R | 51 |
| 7 | Unlock | Pro | 50 |
| 8 | CLAMP | VsOUT | 49 |
| 9 | CS1 | REM | 48 |
| 10 | CS2 | NC | 47 |
| 11 | NC | XTAL2 | 46 |
| 12 | standby | XTAL1 | 45 |
| 13 | OFF | MODE | 44 |
| 14 | VSSE | VDDA | 43 |
| 15 | VDDD | Vssa | 42 |
| 16 | V5V | BOP | 41 |
| 17 | VSSD | Bin | 40 |
| 18 | BDRV | Bsens | 39 |
| 19 | HBGND | AGND | 38 |
| 20 | HDRV | Vref | 37 |
| 21 | HFB | Iref | 36 |
| 22 | XRAY | EWdrv | 35 |
| 23 | RST | VOUT2 | 34 |
| 24 | Vfocus | VUOT1 | 33 |
| 25 | Deguss | EHT | 32 |
| 26 | ABLadj | DouColor | 31 |
| 27 | KEY2 | Uvolt | 30 |
| 28 | KEY1 | SinColor | 29 |

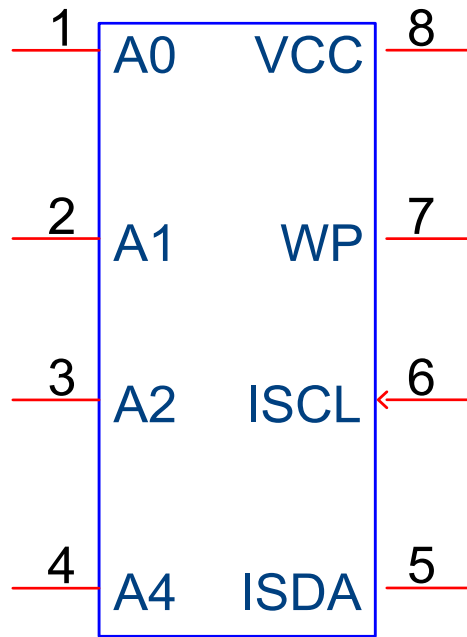
56A1125-575

IC101 SAA4849

BLOCK DIAGRAM



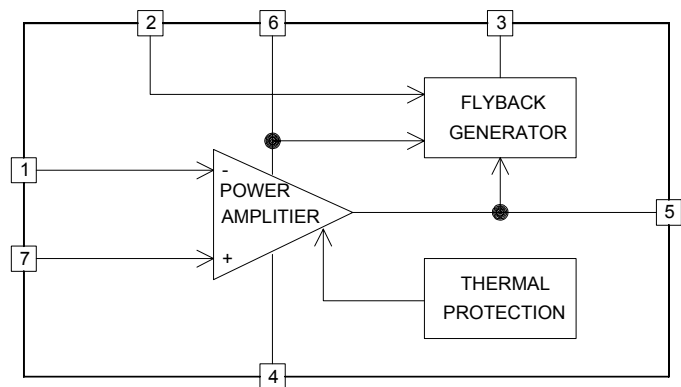
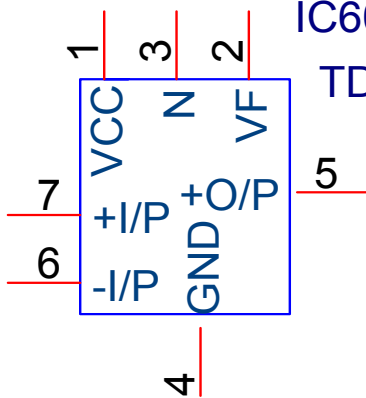
IC102



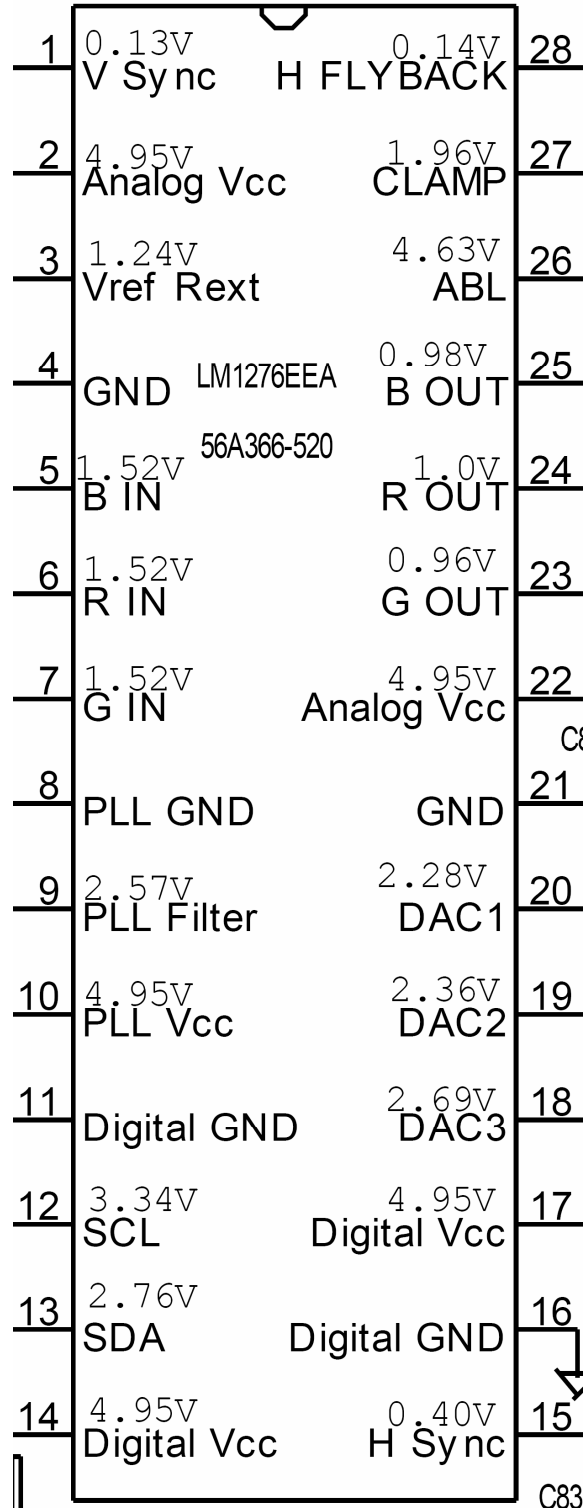
M24C08-BN6

IC601

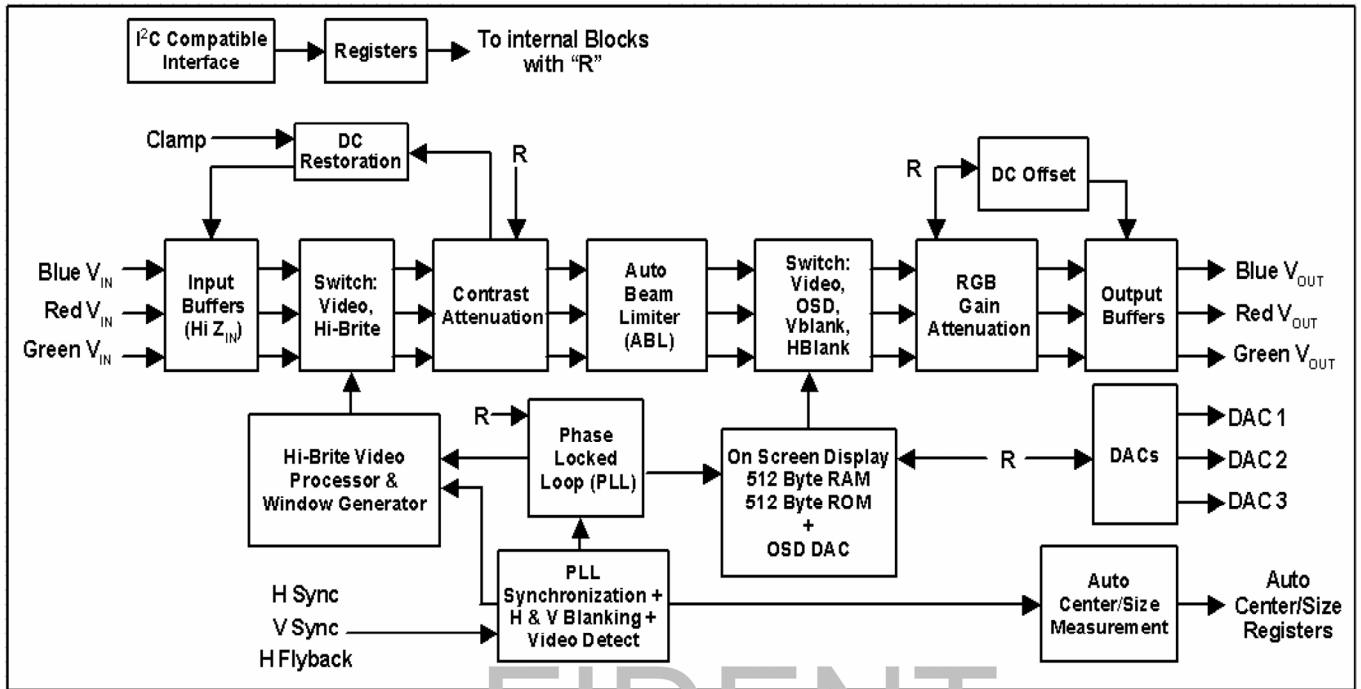
TDA4863AJ



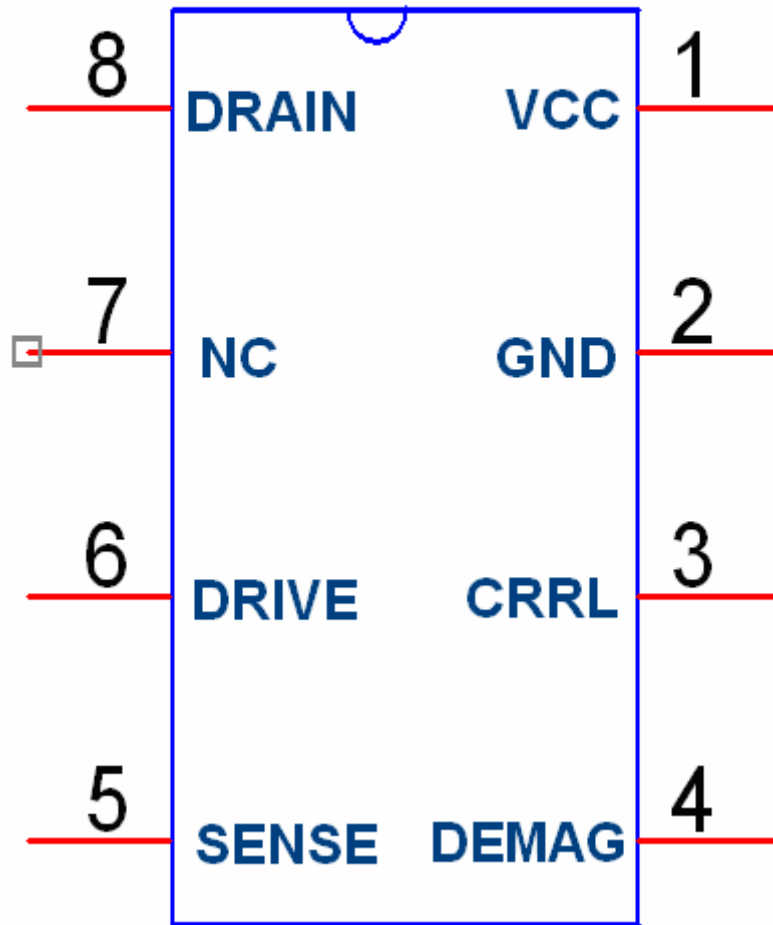
IC801 LM1276EE



IC801 LM1246DKA



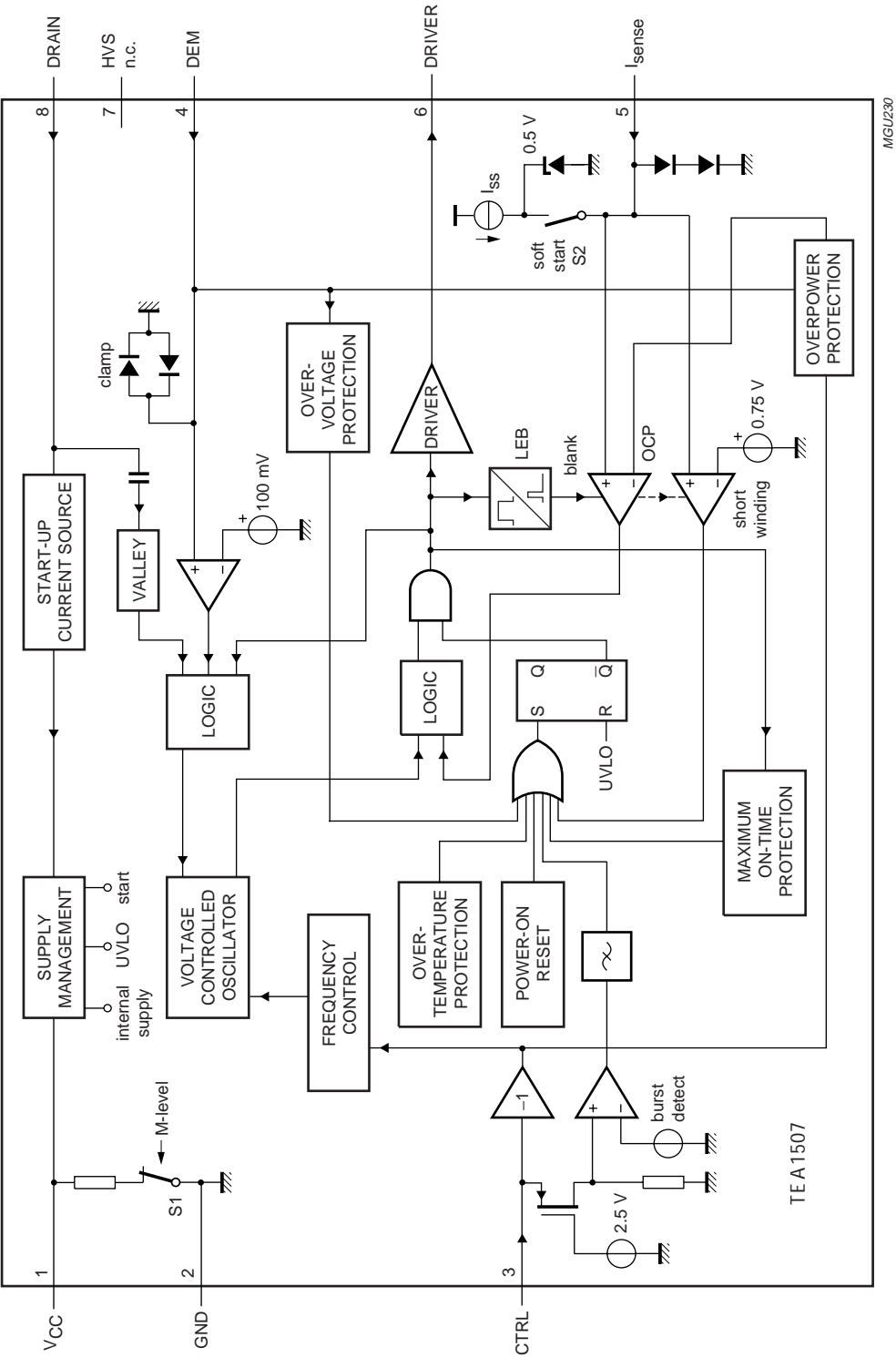
IC901 TEA1507P



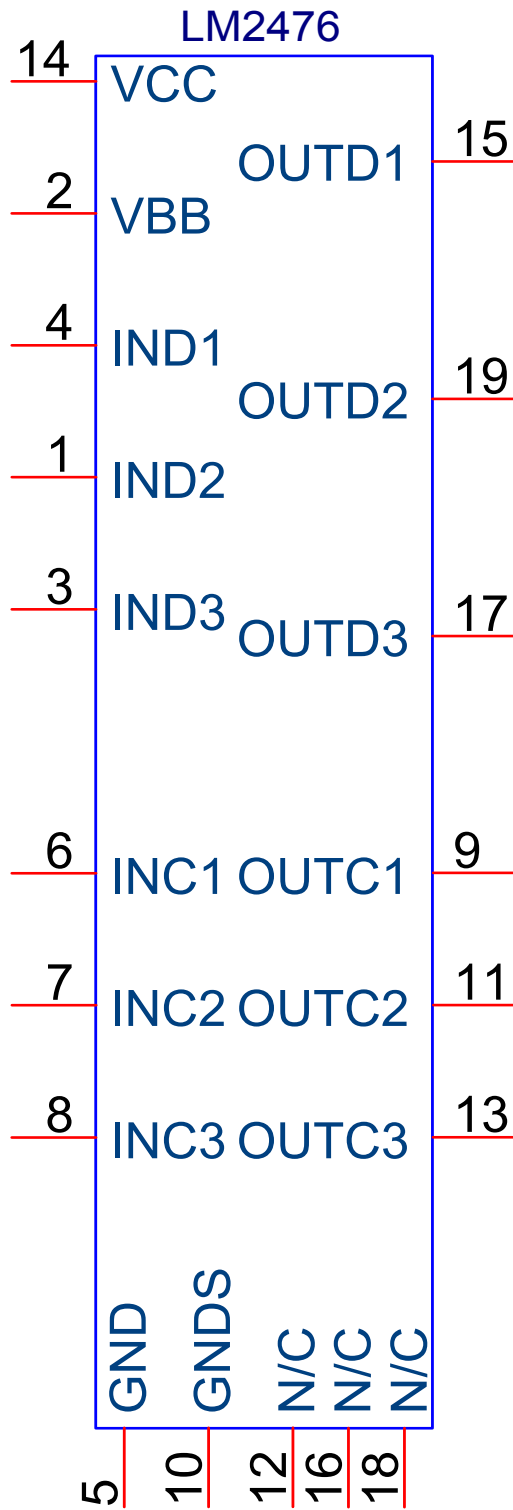
GreenChip™II SMPS control IC

TEA1507

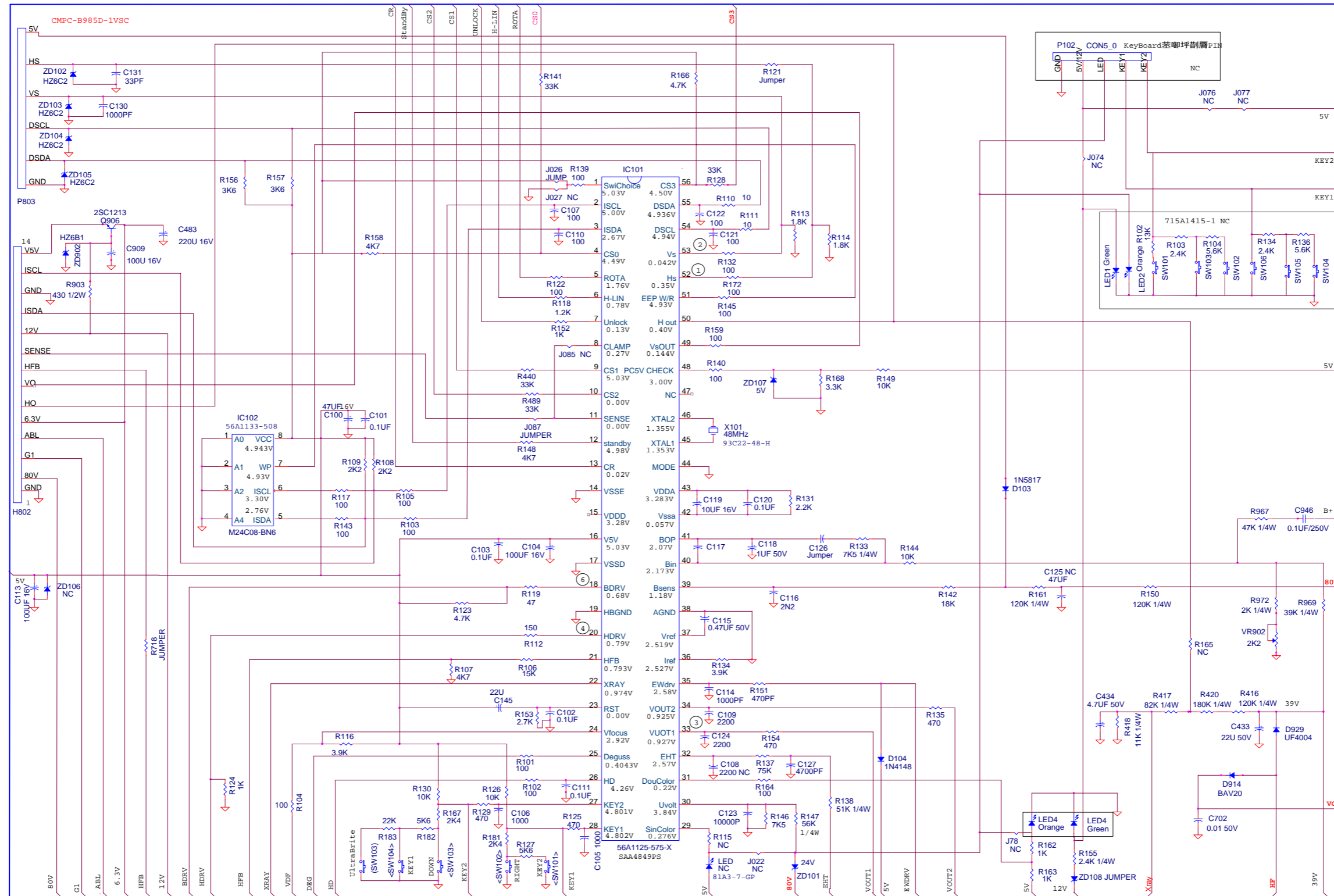
BLOCK DIAGRAM



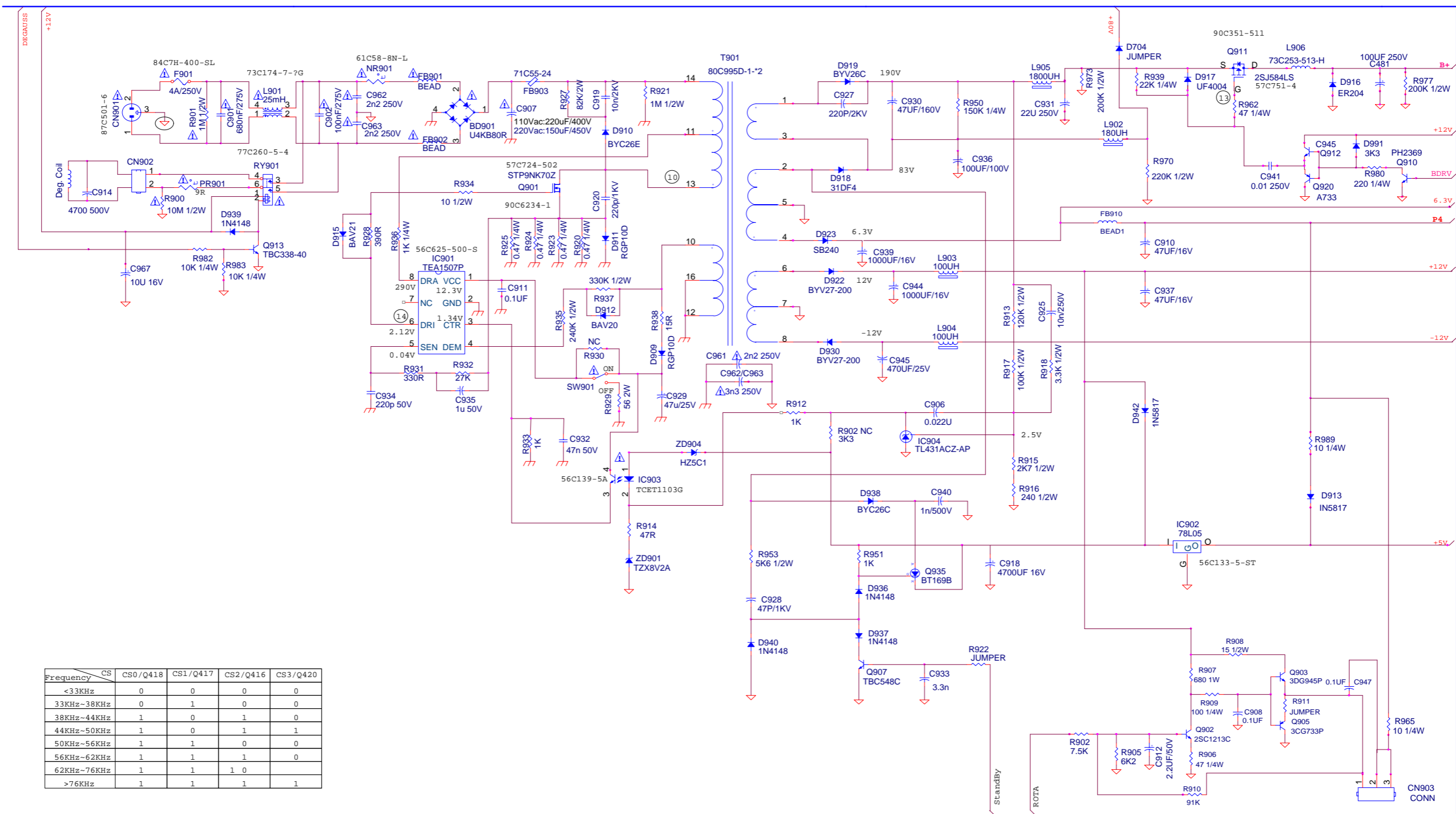
IC802



10. Schematic Diagrams

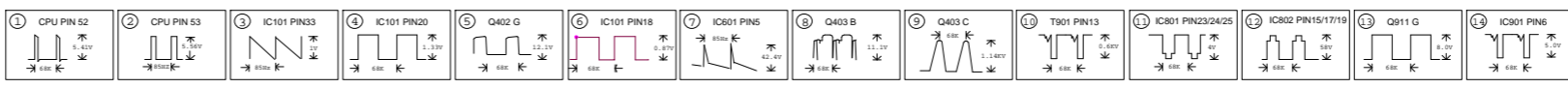


| | |
|-----------------------|------|
| ViewSonic Corporation | |
| Model | CPU |
| Title | |
| Date | Rev: |

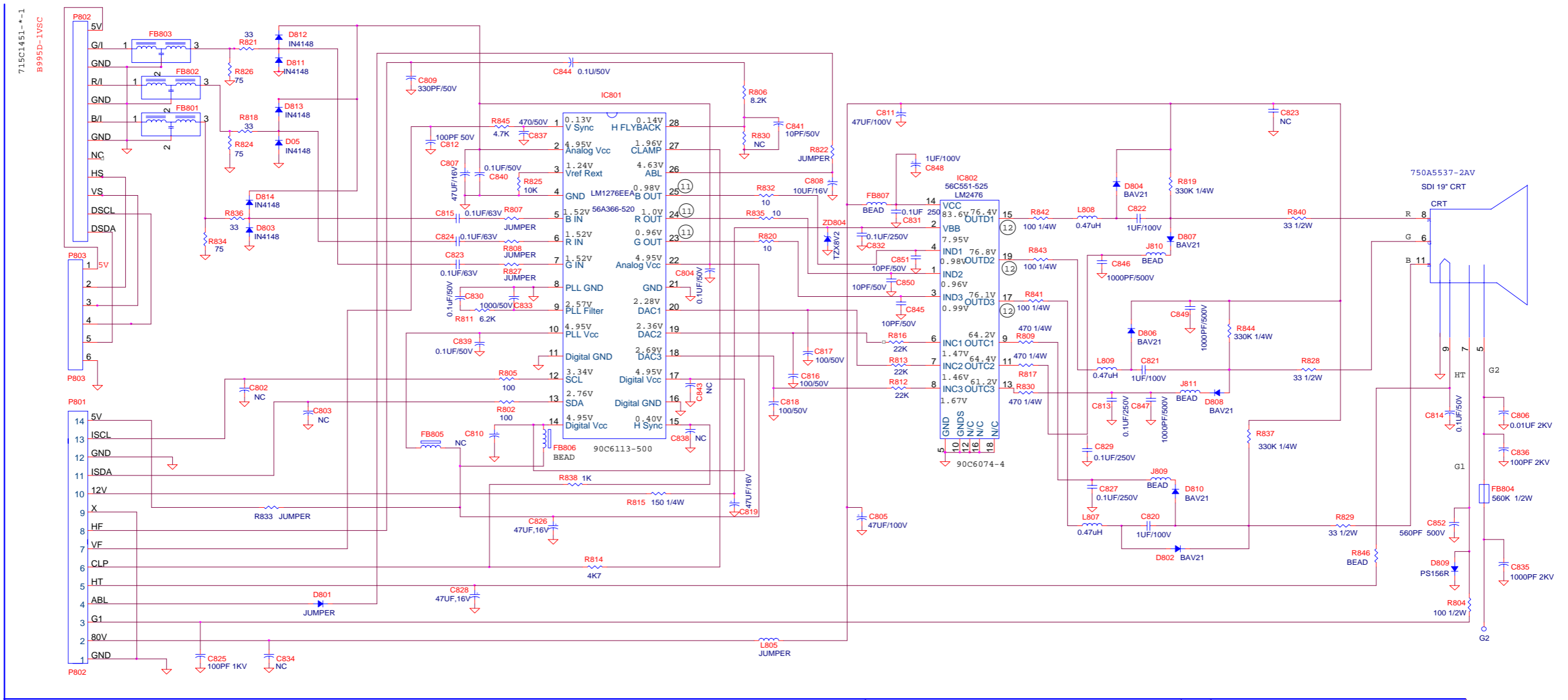


| Frequency | CS | CS0/Q418 | CS1/Q417 | CS2/Q416 | CS3/Q420 |
|-------------|----|----------|----------|----------|----------|
| <33KHz | 0 | 0 | 0 | 0 | 0 |
| 33KHz~38KHz | 0 | 1 | 0 | 0 | 0 |
| 38KHz~44KHz | 1 | 0 | 1 | 0 | 0 |
| 44KHz~50KHz | 1 | 0 | 1 | 1 | 1 |
| 50KHz~56KHz | 1 | 1 | 0 | 0 | 0 |
| 56KHz~62KHz | 1 | 1 | 1 | 0 | 0 |
| 62KHz~76KHz | 1 | 1 | 1 | 0 | 0 |
| >76KHz | 1 | 1 | 1 | 1 | 1 |

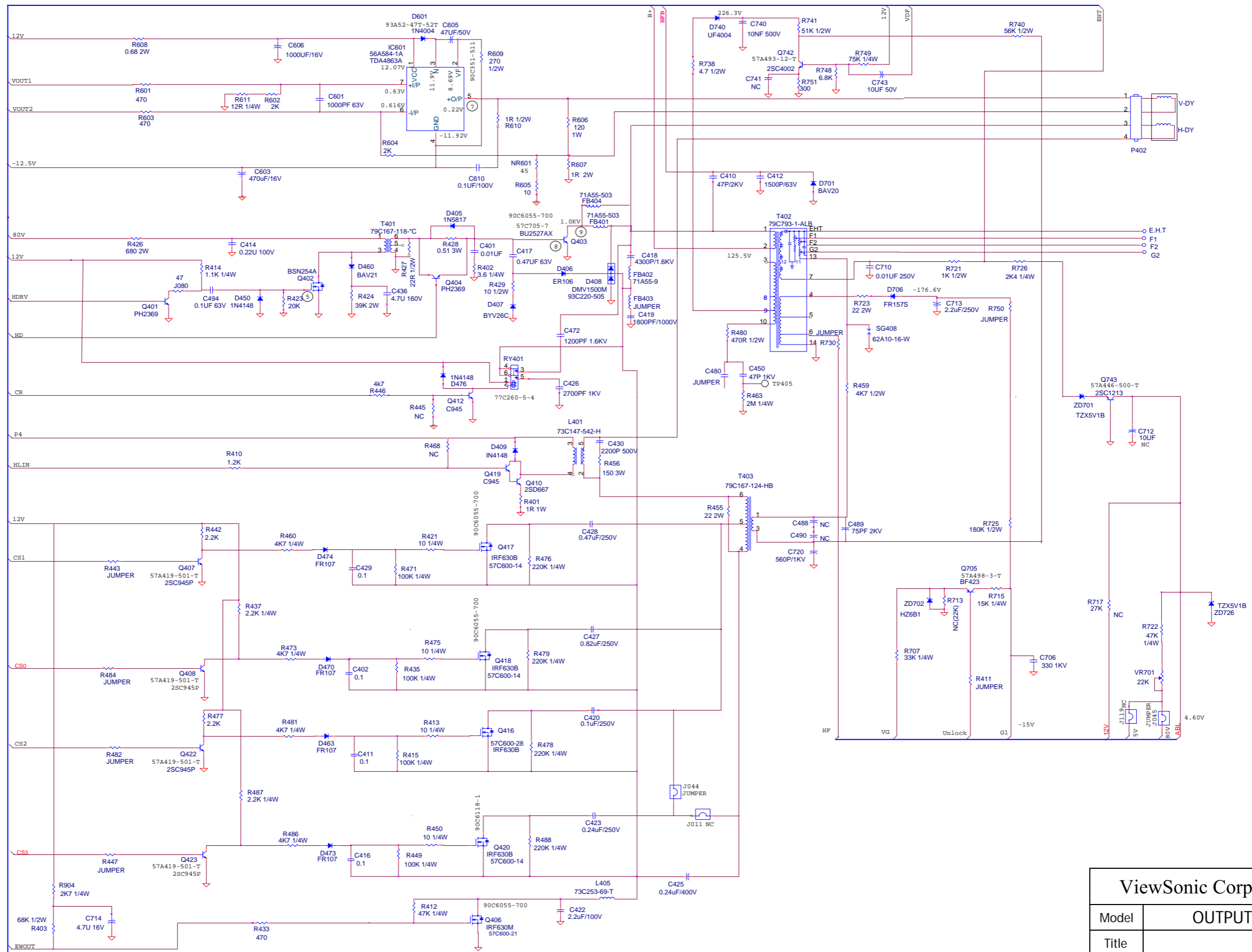
NOTES: 1.The 1/6W resistance not to lable power.
 2. Test condition: 220Vac input,1024X768@85Hz mode,Digital Multmuter_DGM-8145.



| | |
|-----------------------|-------|
| ViewSonic Corporation | |
| Model | POWER |
| Title | |
| Date | Rev: |



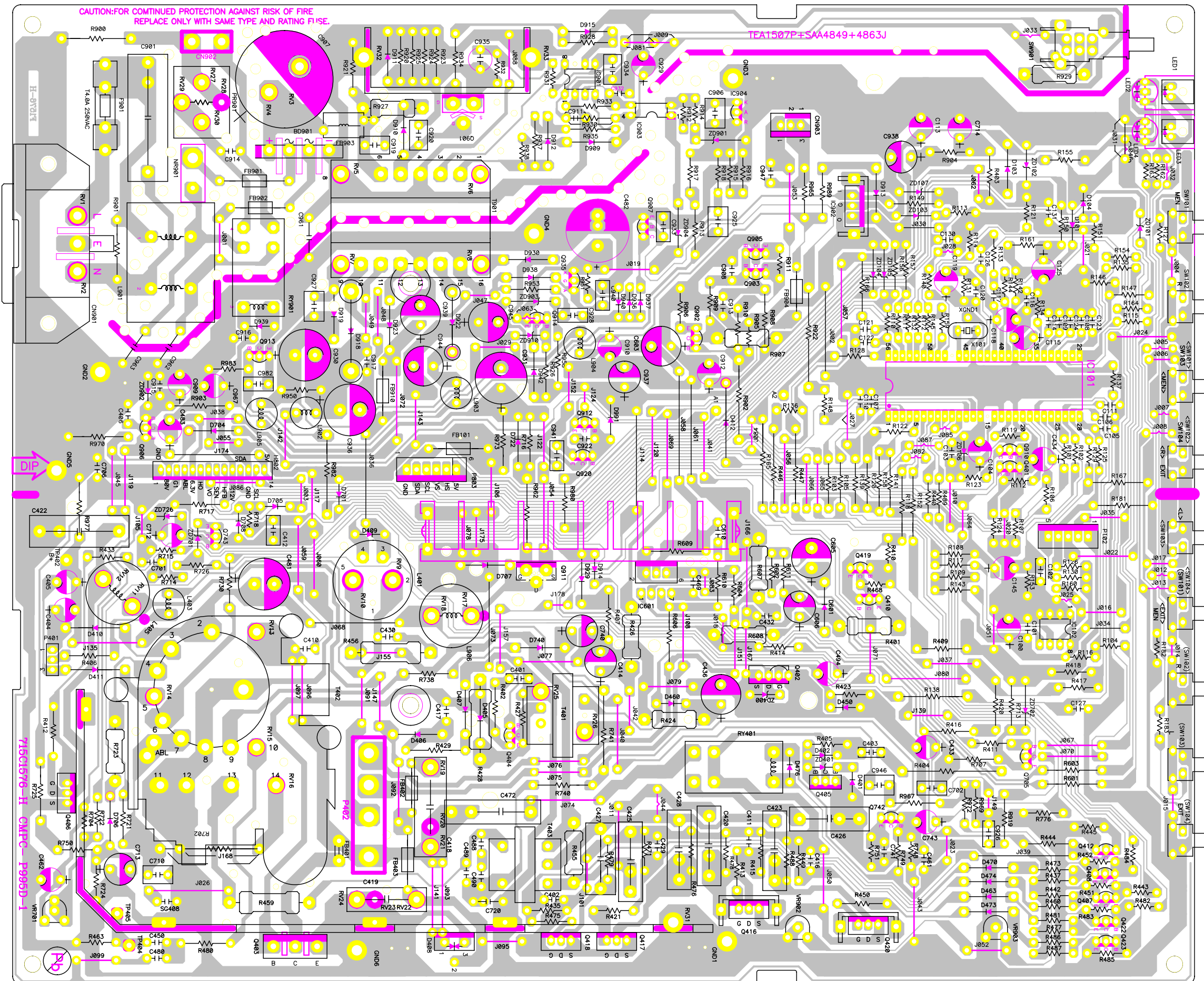
| | |
|-----------------------|-------|
| ViewSonic Corporation | |
| Model | VIDEO |
| Title | |
| Date | Rev: |



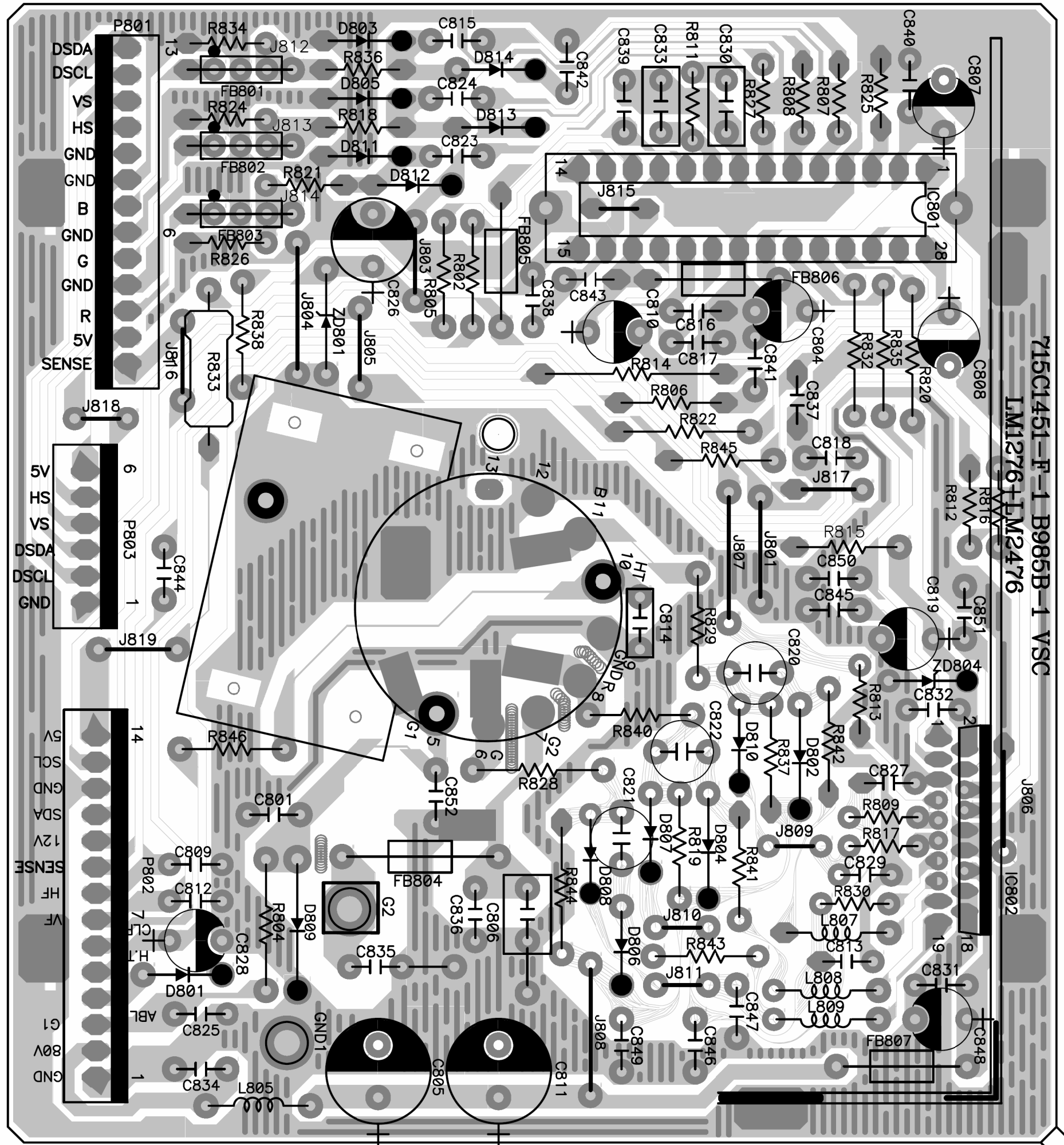
| | |
|-----------------------|--------|
| ViewSonic Corporation | |
| Model | OUTPUT |
| Title | |
| Date | Rev: |

11. PCB Layout

11-1 MAIN PCB LAYOUT



11-2 CRT BOARD LAYOUT



* *Reader's Response* *

Dear Readers:

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

Assessment

A. What do you think about the content of **this** Service Manual?

| <i>Unit</i> | <i>Excellent</i> | <i>Good</i> | <i>Fair</i> | <i>Bad</i> |
|---|------------------|-------------|-------------|------------|
| 1. Precautions and Safety Notices | | | | |
| 2. Specification | | | | |
| 3. Front Panel Function Control Description | | | | |
| 4. Circuit Description | | | | |
| 5. Adjustment Procedure | | | | |
| 6. Troubleshooting Flow Chart | | | | |
| 7. Recommended Spare Parts List | | | | |
| 8. Exploded Diagram and Exploded Parts List | | | | |
| 9. Block Diagrams | | | | |
| 10. Schematic Diagrams | | | | |
| 11. PCB Layout Diagrams | | | | |

B. Are you satisfied with **this** Service Manual?

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

C. Do you have any other opinions or suggestions regarding **this** service manual?

Reader's basic data:

| | | | |
|----------|--|--------|--|
| 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, Quality Systems & Processes (marc.maupin@viewsonic.com)