

# **Service Manual**

**ViewSonic VA1916w**

**Model No. VS11755**

**19" Color TFT LCD Display**

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(Manufacture date: Dec. 2008)

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## Product disposal at end of product life

The lamp in this product contains mercury. Please dispose of in accordance with local, state or federal laws.

# Revision History

| Revision | SM Editing Date | ECR Number | Description of Changes | Editor |
|----------|-----------------|------------|------------------------|--------|
| A01      | Dec 9, 08       |            | Initial Release        |        |
|          |                 |            | T96MRYDBIWVSNNN        |        |
|          |                 |            | T96MRYDDIWVWNND        |        |
|          |                 |            | T96MRYDDIWVWNND        |        |
|          |                 |            | T96MRYDDIWVWNND        |        |
|          |                 |            |                        |        |

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# 1. Precautions and Safety Notices

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## Precautions and safety notices

### 1.1 safety precautions

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

### 1.2 WARNINGS

This monitor should be operated only at the correct power sources indicated on the label on the rear end of the monitor. If you're unsure of the power supply in your residence, consult you local dealer or power company.

Use only the special power adapter that comes with this monitor for power input.

Do not try to repair the monitor your self as it contains no user-serviceable parts. This monitor should only be repaired by a qualified technician.

Do not remove the monitor cabinet. There is high-voltage parts inside that may cause electric shock to human bodies, even when the power cord is unplugged.

Stop using the monitor if the cabinet is damaged. Have it checked by a service technician.

Put your monitor only in a clean, dry environment. If it gets wet, unplug the power cable immediately and consult your service technician.

Always unplug the monitor before cleaning it .Clean the cabinet with a clean, dry cloth. Apply non-ammonia based cleaner onto the cloth, not directly onto the glass screen.

Keep the monitor away from magnetic objects, motors, TV sets, and transformer.

Do not place heavy objects on the monitor or power cord.

### 1.3 Product safety notice

Many electrical and mechanical parts in this chassis have special safety visual inspections and the protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltages, wattage, etc.

Before replacing any of these components read the parts list in this manual carefully. The use of substitute replacement parts which do not have the same safety characteristics as specified in the parts list may create shock, fire ,or other hazards.

### 1.4 Service notes

When replacing parts or circuit boards, clamp the lead wires around terminals before soldering.

When replacing a high wattage resistor(more than 1W of metal oxide film resistor) in circuit board, keep the resistor about 5mm away from circuit board.

Keep wires away from high voltage, high temperature components and sharp edges.

Keep wires in their original position so as to reduce interference.

Usage of this product please refer to also user's manual.

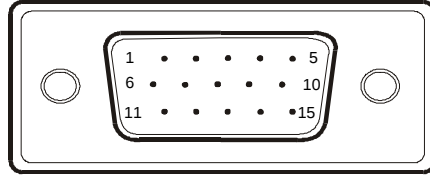
| Correct Methods                                                                                                                  | Incorrect Methods                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <p>Only touch the metal-frame of the panel or the front cover of the monitor.<br/>Do not touch the surface of the polarizer.</p> | <p>Surface of the panel is pressed by fingers and that may cause "MURA"</p>              |
|                                                 |        |
|                                                |       |
| <p>Take out the monitor from carton.</p>                                                                                         | <p>Take out the monitor by grasping the LCD panel. That may cause "MURA".</p>            |
|                                               |      |
| <p>Place the monitor on a clean &amp; soft foam pad .</p>                                                                        | <p>Place the monitor on foreign objects and that could scratch the surface of panel.</p> |
|                                               |      |

## 2. Specification

### 2.1 Product specifications

|                                                                    |                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name                                                       | VA1916w                                                                                                                                                                                                                                                         |
| Oracle P/N                                                         | VA1916W-10                                                                                                                                                                                                                                                      |
| Model Number                                                       | VS11755                                                                                                                                                                                                                                                         |
| OSD Languages: 11                                                  | English, French, German, Italian, Spanish, Finnish, Japanese, Russian Simplified Chinese, Traditional Chinese, Korean                                                                                                                                           |
| TFT LCD Panel and Model #                                          | 1 <sup>st</sup> panel: CMO A190A2                                                                                                                                                                                                                               |
| Scalar                                                             | RTD 2554VH                                                                                                                                                                                                                                                      |
| Input Signal                                                       | Analog x1                                                                                                                                                                                                                                                       |
| Sync Compatibility                                                 | Separate Sync                                                                                                                                                                                                                                                   |
| Adapter                                                            | Internal Power Board                                                                                                                                                                                                                                            |
| Power Cable                                                        | Yes,<br>refer to APPENDIX B: Power Cable                                                                                                                                                                                                                        |
| Analog Cable (1.8 m, black), with PC 2001 and Hot Plug Detect &DDC | Yes<br>(Detached cable; refer the Appendix A)                                                                                                                                                                                                                   |
| DVI-D Cable(1.8m, black) with PC 2001                              | NO                                                                                                                                                                                                                                                              |
| Audio Cable(1.8m, black) with PC 2001                              | NO                                                                                                                                                                                                                                                              |
| MIC Cable(1.8m, black) with PC 2001                                | No                                                                                                                                                                                                                                                              |
| USB Cable (V2.0)                                                   | No                                                                                                                                                                                                                                                              |
| ViewSonic CD Wizard                                                | Arabic, English, Finnish, Spanish, German, Italian, Japanese, Swedish, Polish, Korean, Portuguese, Russian, Turkish, French, Czech, Hungarian, Simplified Chinese, Traditional Chinese. Greek, Dutch, Bulgarian, Croatian, Romanian, Serbian, Slovak, Slovenian |
| ViewSonic Quick Start Guide                                        | One Page                                                                                                                                                                                                                                                        |
| Perfect Suite CD                                                   | No                                                                                                                                                                                                                                                              |
| Screen Protector Mylar                                             | Yes                                                                                                                                                                                                                                                             |
| Foot Protector plastic                                             | No                                                                                                                                                                                                                                                              |
| Base assembly Procedure Card                                       | Yes                                                                                                                                                                                                                                                             |
| Energy start sticker                                               | Yes                                                                                                                                                                                                                                                             |
| Vista Install Card                                                 | Yes                                                                                                                                                                                                                                                             |
| DCR Sticker                                                        | Yes                                                                                                                                                                                                                                                             |
| Service Insert                                                     | For Region code = M units only                                                                                                                                                                                                                                  |
| Warranty Card                                                      | For Region code = G units only                                                                                                                                                                                                                                  |
| Carton Sticker                                                     | For Region code = G units only                                                                                                                                                                                                                                  |
| PE bag of Carton                                                   | NO                                                                                                                                                                                                                                                              |
| Manufacture address sticker                                        | For Region code = G units only                                                                                                                                                                                                                                  |

## 2.2 Interface description



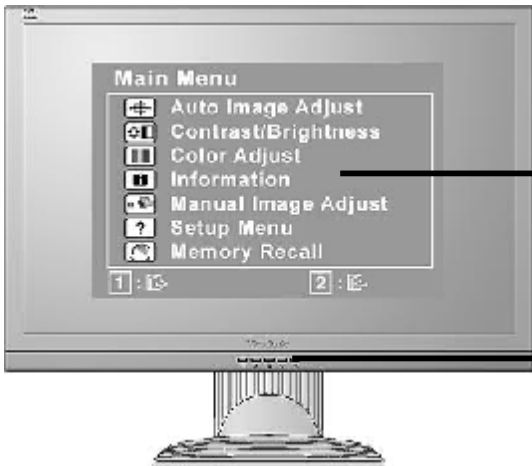
### Video Connector Pin Assignment

#### A -1.15 pin D-sub connector pin assignment

| Pin Number | Pin Function                     |
|------------|----------------------------------|
| 1          | Red video input                  |
| 2          | Green video input                |
| 3          | Blue video input                 |
| 4          | No Connection                    |
| 5          | Ground                           |
| 6          | Red video ground                 |
| 7          | Green video ground               |
| 8          | Blue video ground                |
| 9          | +5V                              |
| 10         | H/V sync ground                  |
| 11         | No connection                    |
| 12         | (SDA)                            |
| 13         | Horizontal sync (Composite sync) |
| 14         | Vertical sync                    |
| 15         | (SCL)                            |

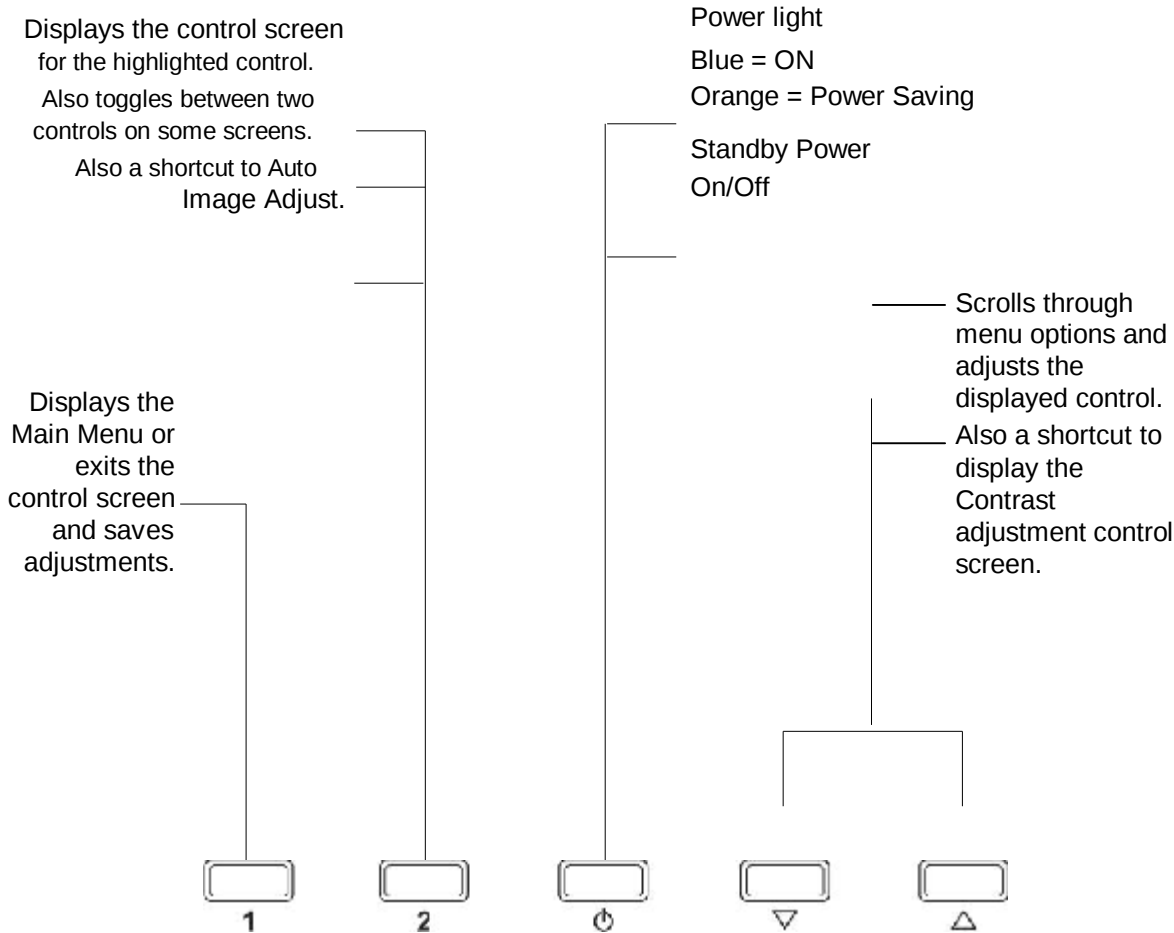
### 3. Front Panel Function Control Description

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



**Main Menu**  
with OSD controls

**Front Control Panel**  
shown below in detail



**Do the following to adjust the display setting:**

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



**NOTE:** All OSD menus and adjustment screens disappear automatically after about 15 seconds. This is adjustable through the OSD timeout setting in the setup menu.

2. To select a control to adjust, press or to scroll up or down in the Main Menu.
3. After the desired control is selected, press button [2]. A control screen like the one shown below appears.



The line at the bottom of the screen shows the current functions of buttons 1 and 2: Exit or select the Brightness control.

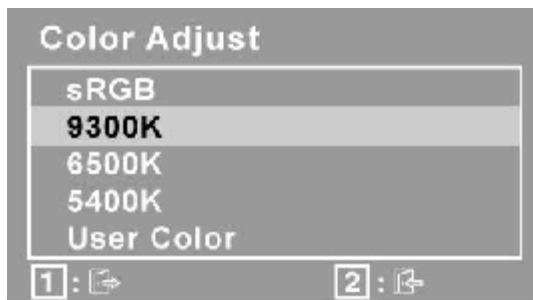
4. To adjust the control, press the up or down buttons.
5. To save the adjustments and exit the menu, press button [1] *twice*.

**The following tips may help you optimize your display:**

- Adjust the computer's graphics card so that it outputs a 1440 x 900 @ 60Hz video signal to the LCD display. (Look for instructions on "changing the refresh rate" in the graphics card's user guide.)
- If necessary, make small adjustments using H. POSITION and V. POSITION until the screen image is completely visible. (The black border around the edge of the screen should barely touch the illuminated "active area" of the LCD display.)

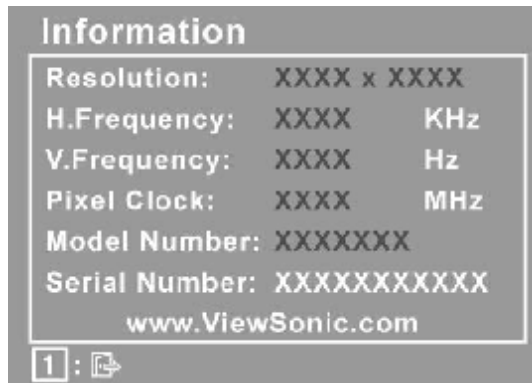
## Main Menu Controls

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

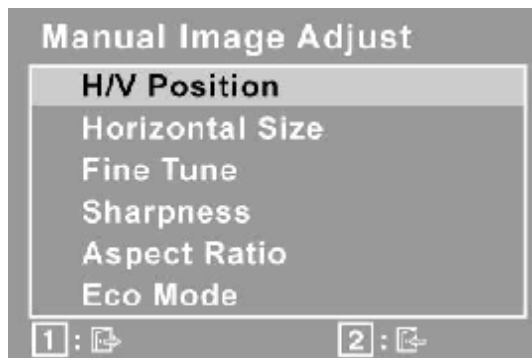
| Control                                                                           | Explanation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><b>Auto Image Adjust</b> automatically sizes, centers, and fine tunes the video signal to eliminate waviness and distortion. Press the [2] button to obtain a sharper image.</p> <p><b>NOTE:</b> Auto Image Adjust works with most common video cards. If this function does not work on your LCD display, then lower the video refresh rate to 60 Hz and set the resolution to its pre-set value.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|  | <p><b>Contrast</b> adjusts the difference between the image background (black level) and the foreground (white level).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|  | <p><b>Brightness</b> adjusts background black level of the screen image.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|  | <p><b>Color Adjust</b> provides several color adjustment modes, including preset color temperatures and a User Color mode which allows independent adjustment of red (R), green (G), and blue (B). The factory setting for this product is 6500K (6500 Kelvin).</p> <div data-bbox="387 967 922 1265"></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                   | <p><b>sRGB</b>-This is quickly becoming the industry standard for color management, with support being included in many of the latest applications. Enabling this setting allows the LCD display to more accurately display colors the way they were originally intended. Enabling the sRGB setting will cause the Contrast and Brightness adjustments to be disabled.</p> <p><b>9300K</b>-Adds blue to the screen image for cooler white (used in most office settings with fluorescent lighting).</p> <p><b>6500K</b>-Adds red to the screen image for warmer white and richer red.</p> <p><b>5400K</b>-Adds green to the screen image for a darker color.</p> <p><b>User Color</b> Individual adjustments for red (R), green (G), and blue (B).</p> <ol style="list-style-type: none"><li>1. To select color (R, G or B) press button [2].</li><li>2. To adjust selected color, press and .</li></ol> <p><b>Important:</b> If you select RECALL from the Main Menu when the product is set to a Preset Timing Mode, colors return to the 6500K factory preset.</p> |

**Information** displays the timing mode (video signal input) coming from the graphics card in the computer, the LCD model number, the serial number, and the ViewSonic® website URL. See your graphics card's user guide for instructions on changing the resolution and refresh rate (vertical frequency).

**NOTE:** VESA 1440 x 900 @ 60Hz (recommended) means that the resolution is 1440 x 900 and the refresh rate is 60 Hertz.



**Manual Image Adjust** displays the Manual Image Adjust menu.



**H./V. Position (Horizontal/Vertical Position)** moves the screen image left or right and up or down.

**H. Size (Horizontal Size)** adjusts the width of the screen image.

**Fine Tune** sharpens the focus by aligning text and/or graphics with pixel boundaries.

**NOTE:** Try Auto Image Adjust first.

**Sharpness** adjusts the clarity and focus of the screen image.

**Aspect ratio** Selects the image size for 4:3 and full screen.

**ECO Mode** provides the lower power consumption by reducing the brightness.

**Standard:** The default brightness setting

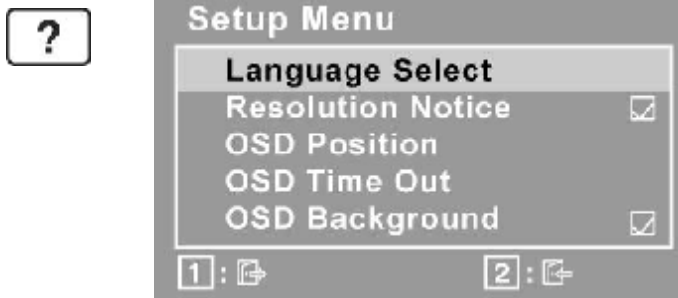
**Optimize:** Decreases the brightness by 25 %

**Conserve:** Decreases the brightness by 50 %

**NOTE:** When the ECO Mode is set to "Optimize" or "Conserve", the Brightness, Contrast, and Dynamic Contrast cannot be adjusted.

**Setup Menu** displays the menu shown below:

---



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

**Resolution Notice** advises the optimal resolution to use.

**OSD Position** allows the user to move the OSD menus and control screens.

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

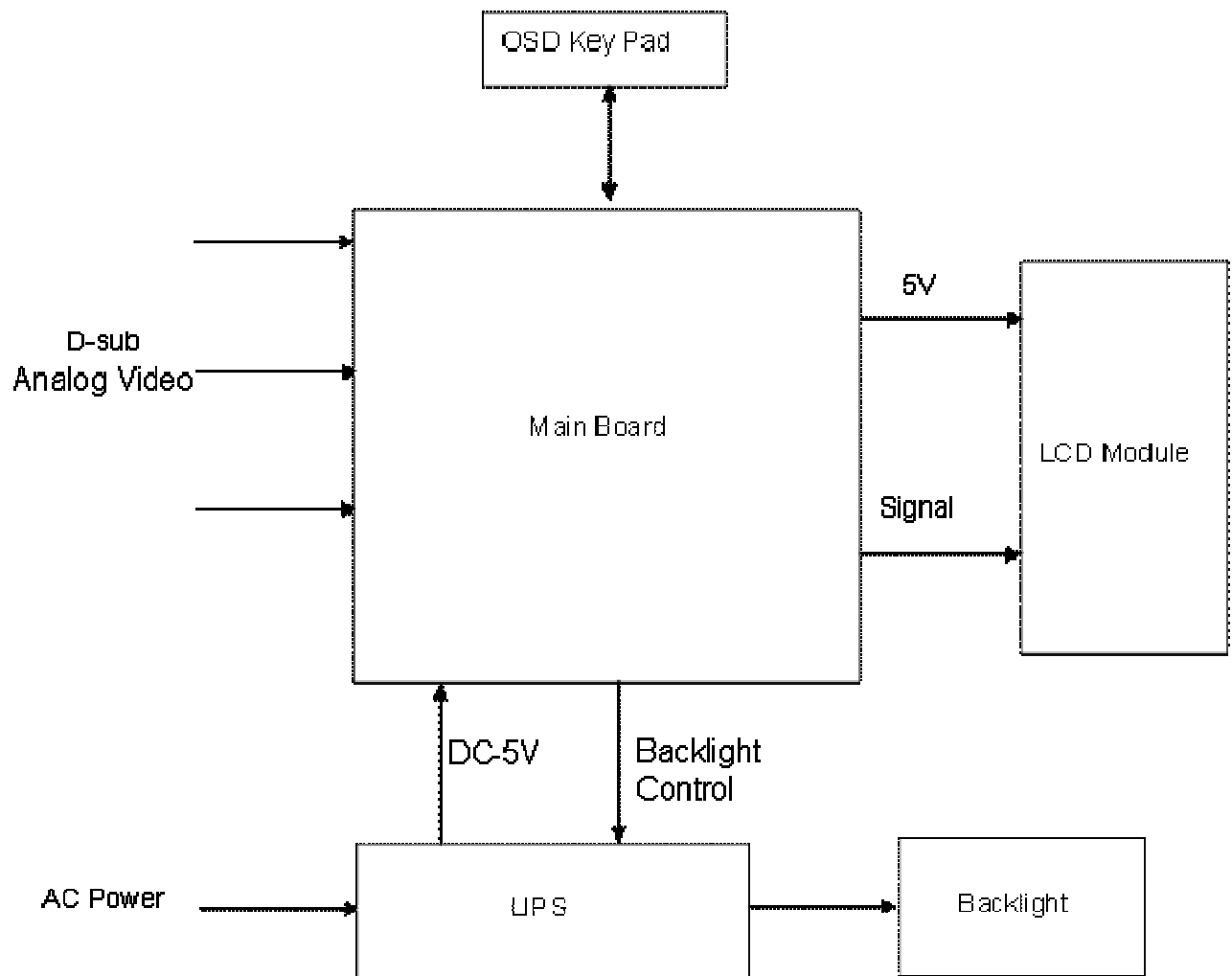
**OSD Background** allows the user to turn the OSD background On or Off.

**Memory Recall** returns the adjustments back to factory settings if the display is operating in a factory Preset Timing Mode listed in the Specifications of this manual.

**Exception:** This control does not affect changes made with the User Color control, Language Select or Power Lock setting.

## 4. Circuit Description

---



## 5. Adjustment Procedure

---

### 1. All Modes Reset

You should do “All Model Reset” (Refer to Chap 3. Hot Keys for Function Controls) first. This action will allow you to erase all end-user’s settings and restore the factory defaults.

### 2. Auto Image Adjust

The Auto Adjust is aimed to offer a best screen quality by built-in ASIC. For optimum screen quality, the user has to adjust each function manually.

A. Turn the computer and LCD monitor on.

B. Press the ‘**Auto**’ button on monitor keypad to Auto Adjust.

C. The LCD monitor will start the Auto Adjust process automatically and run for 10 consecutive seconds, during which time you will notice the image change.

### 3. Firmware

**Test Patten: Burn in Model (Refer to Chap3. Hot Keys for Function Control)**

**-Make sure the F/W is the latest version.**

### 4. DCC

Test Patten: EDID program

**-Make sure it can pass test program.**

### 5. Window Shut Down

**Test Signal: 1280\*1024@60Hz**

**Test Pattern:**



**Checkered Pattern Every One Pixel (50%Green & 50%Blue)**

**Inspection Item: Flicker, Mura**

### 6. Window BG

**Test Signal: 1280\*1024@60Hz**

**Test Pattern:**



**Window standard pattern**

**Inspection Item: Line Defect, Function Defect & Mura**

## 7. 25 Gray

Test Signal: 1280\*1024@60Hz

Test Pattern:



Full Screen 25% White (Gray)

Inspection Item: Particle, Line Defect & Mura

## 8. 50 Gray

Test Signal: 1280\*1024@60Hz

Test Pattern:



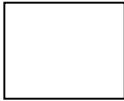
Full Screen 50% White (Gray)

Inspection Item: Bright Dot, Particle, Line Defect & Mura

## 9. White Box

Test Signal: 1280\*1024@60Hz

Test Pattern:



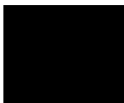
Window standard pattern

Inspection Item: Particle, Line Defect, Power, Image Remain & Mura

## 10. Black Box

Test Signal: 1280\*1024@60Hz

Test Pattern:



Window standard pattern

Inspection Item: Bright Dot, Line Defect & Power

## 11. RED

Test Signal: 1280\*1024@60Hz

Test Pattern:



Full Screen Red

Inspection Item: Bright Dot, Partial & Line Defect

## 12. Green

Test Signal: 1280\*1024@60Hz

Test Pattern:



Full Screen Green

Inspection Item: Bright Dot, Partial & Line Defect

## 13. Blue

Test Signal: 1280\*1024@60Hz

Test Pattern:



Full Screen Green

Inspection Item: Bright Dot, Partial & Line Defect

## 14. Gray\_Scale\_0-100\_V64

Test Signal: 1280\*1024@60Hz

Test Pattern:



Vertical 64 (256) Gray Scale (Right → Left , From 0 to 100% White)

Inspection Item: Line Defect & Function Defect

## 15. Function Test Display pattern

| Item | Pattern            | Description                                                 | Remark   |
|------|--------------------|-------------------------------------------------------------|----------|
| 1    | Gray_Scale_0-100_V | Vertical 64 (256) Gray Scale (右→左 , From 0 to 100% White)   | Figure 1 |
| 2    | Gray_Scale_0-100_H | Horizontal 64 (256) Gray Scale (上→下 , From 0 to 100% White) | Figure 2 |
| 3    | Black              | Full Screen Black                                           | Figure 3 |
| 4    | Red                | Full Screen 50% Red                                         | Figure 4 |
| 5    | Green              | Full Screen 50% Green                                       | Figure 5 |
| 6    | Blue               | Full Screen 50% Blue                                        | Figure6  |
| 7    | White              | Full Screen White                                           | Figure7  |
| 8    | Black_Tile         | Black Tile Under White Background                           | Figure 8 |

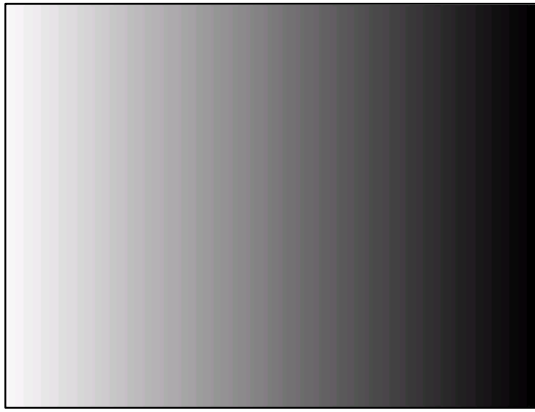


Figure 1

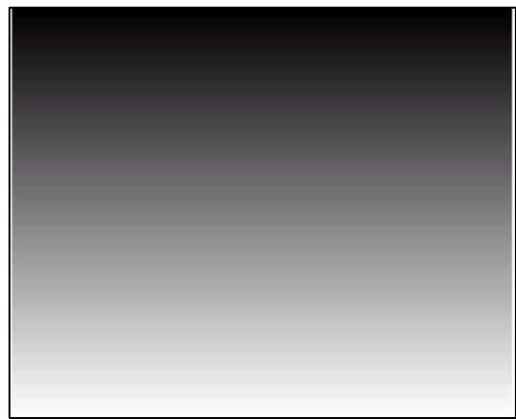


Figure 2

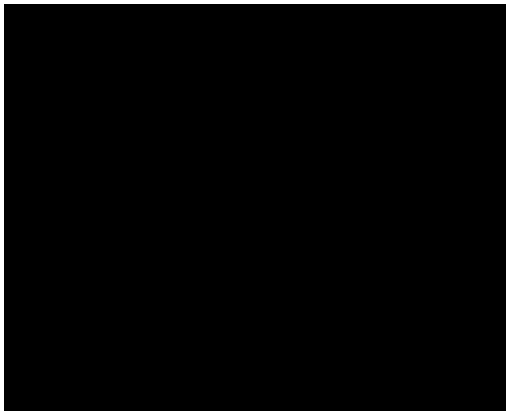


Figure 3



Figure 4



Figure 5



Figure 6



Figure 7

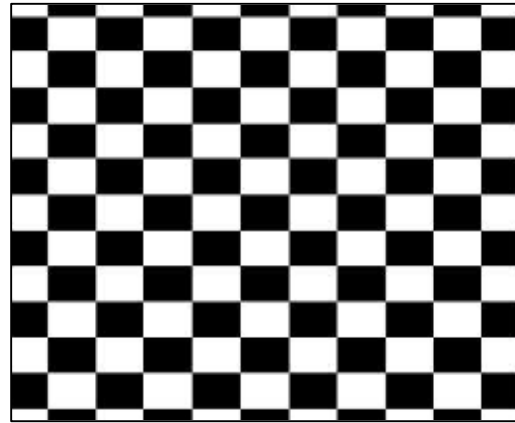


Figure 8

### Factory Defaults

| Item              | Defaults | Item              | Defaults    |
|-------------------|----------|-------------------|-------------|
| Contrast          | 70%      | Input Priority    | N/A         |
| Brightness        | 100%     | Resolution Notice | On          |
| Color Temperature | 6500K    | Volume            | N/A         |
| Sharpness         | 100%     | Balance           | N/A         |
| OSD H. Position   | 50%      | Treble            | N/A         |
| OSD V. Position   | 50%      | Bass              | N/A         |
| OSD Time Out      | 15       | 720x400 / 640x400 | 720x400     |
| OSD Background    | On       | DCR               | ON          |
| ECO Mode          | Standard | Aspect Ratio      | Full screen |

### RTD2120 ISP user flow

#### Software : RTD ISP Ver3.0

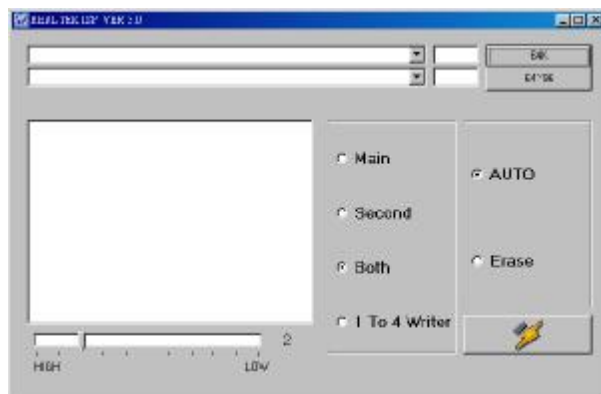


#### Hardware : Print to D-Sub and DVI-D Converter



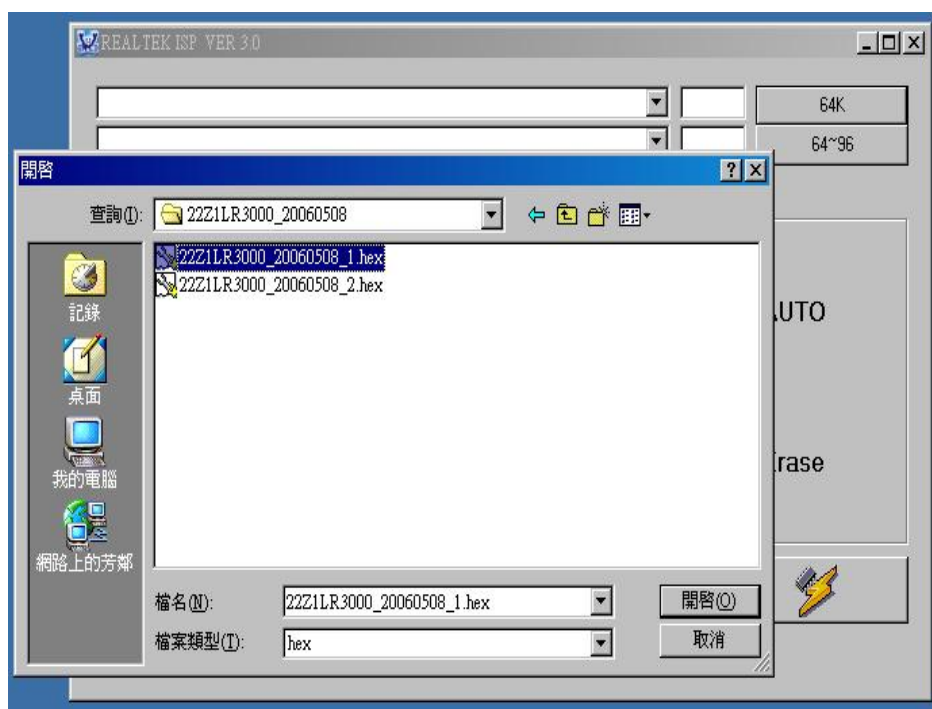
### Step 1. Update BIOS Flow :

Execute ISP.exe



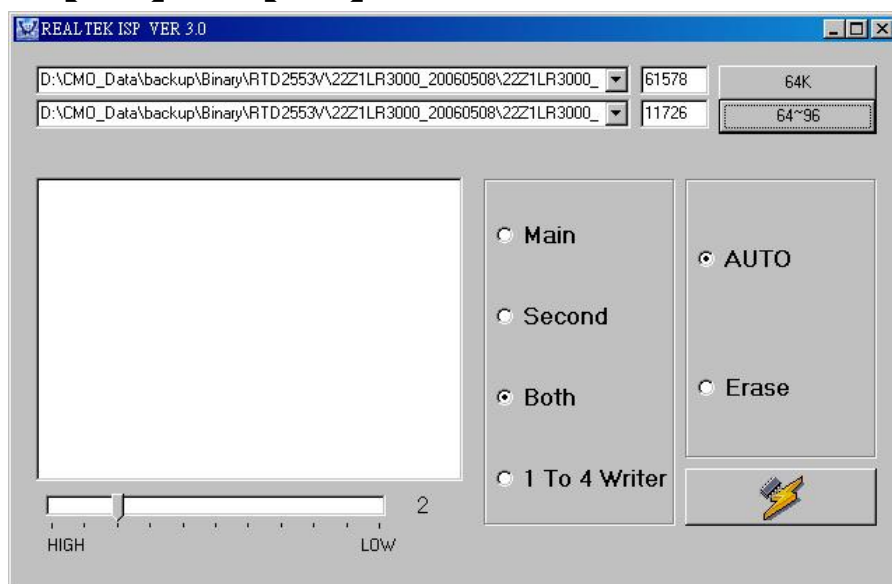
### Step2.

Click **【64K】** , Select the first file name xxxxxxxxxx\_1.hex and  
Click **【64~96】** , Select the second file name xxxxxxxx\_2.hex



### Step 3.

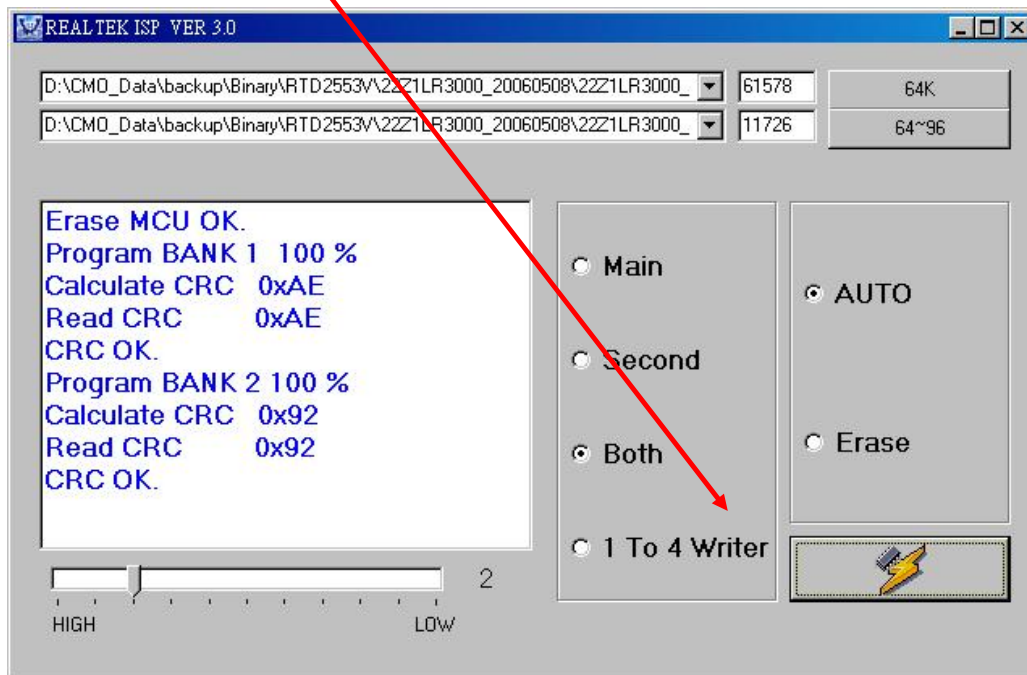
Select **【Both】** and **【Auto】** .



Step 4. Click



then appear below condition.



## 6. Troubleshooting Flow Chart

---

### Troubleshooting

No power

Make sure power button (or switch) is ON.

Make sure A/C power cord is securely connected to the LCD display.

Plug another electrical device (like a radio) into the power outlet to verify that the outlet is supplying proper voltage.

Power is ON but no screen image

Make sure the video cable supplied with the LCD display is tightly secured to the video output port on the back of the computer. If the other end of the video cable is not attached permanently to the LCD display, tightly secure it to the LCD display.

Adjust brightness and contrast.

If you are using an Macintosh older than G3, you need a Macintosh adapter.

Wrong or abnormal colors

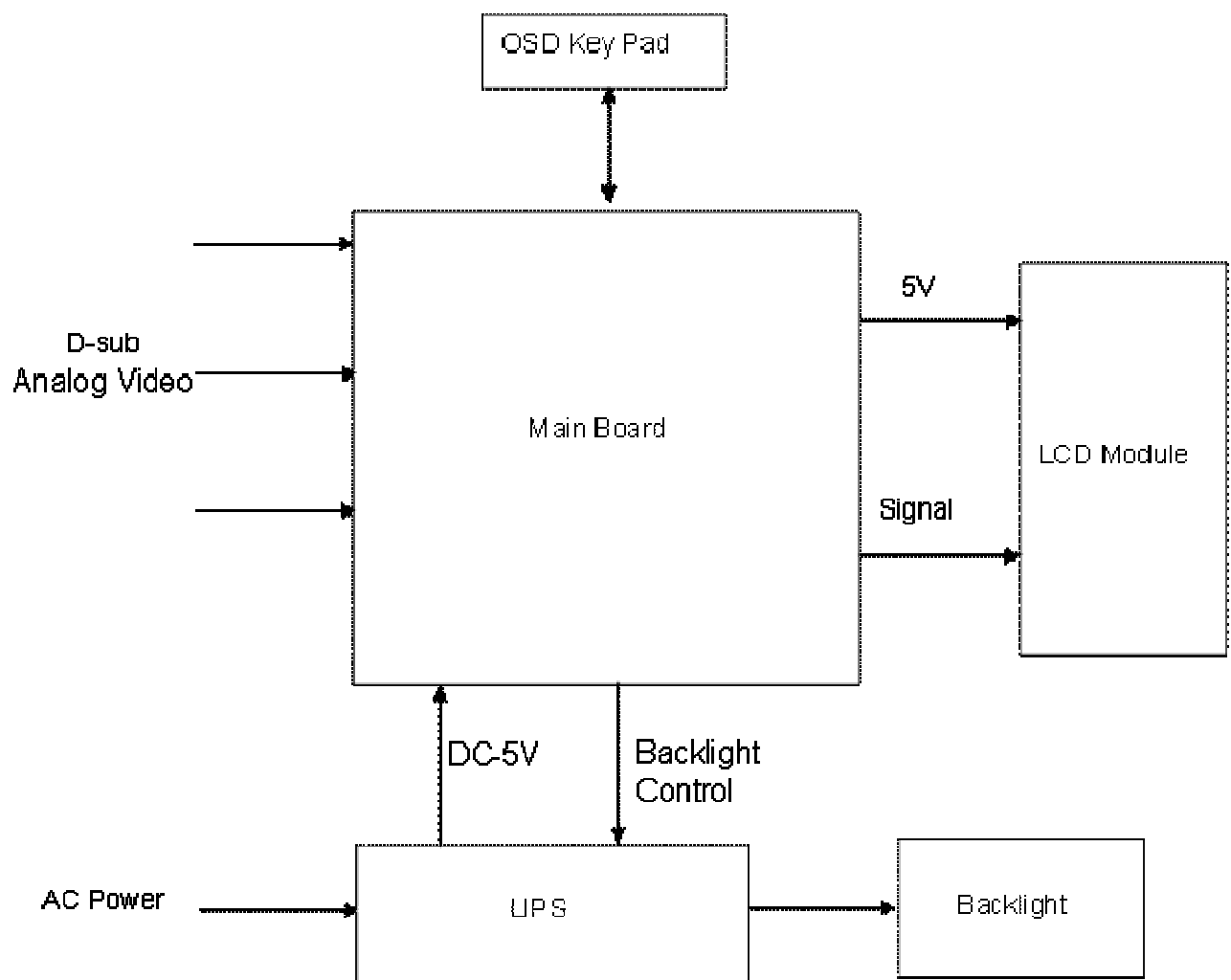
If any colors (red, green, or blue) are missing, check the video cable to make sure it is securely connected, loose or broken pins in the cable connector could cause an improper connection.

Control buttons do not work

Press only one button at a time.

## 7. Block Diagram

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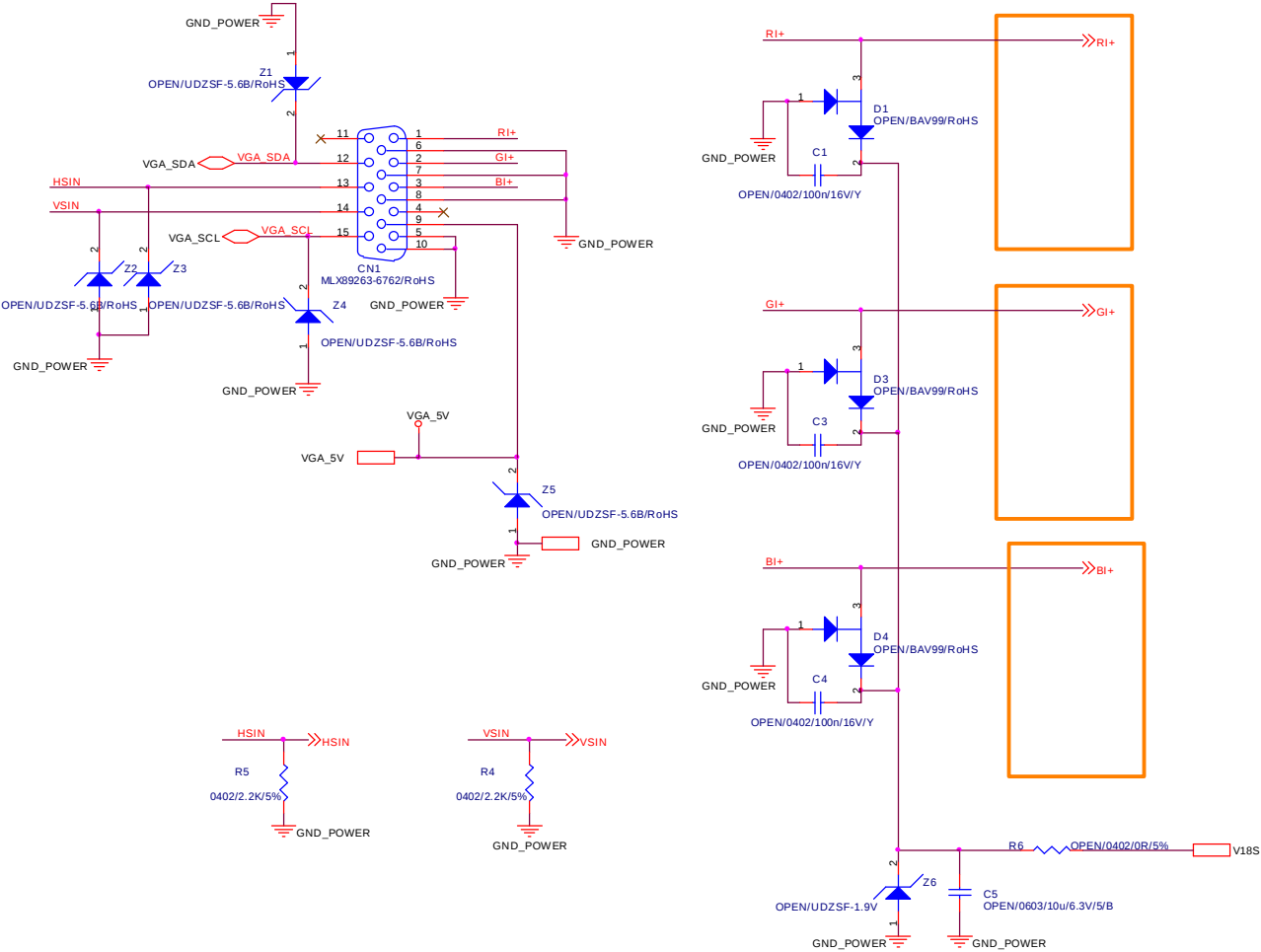
8. Schematic Diagrams

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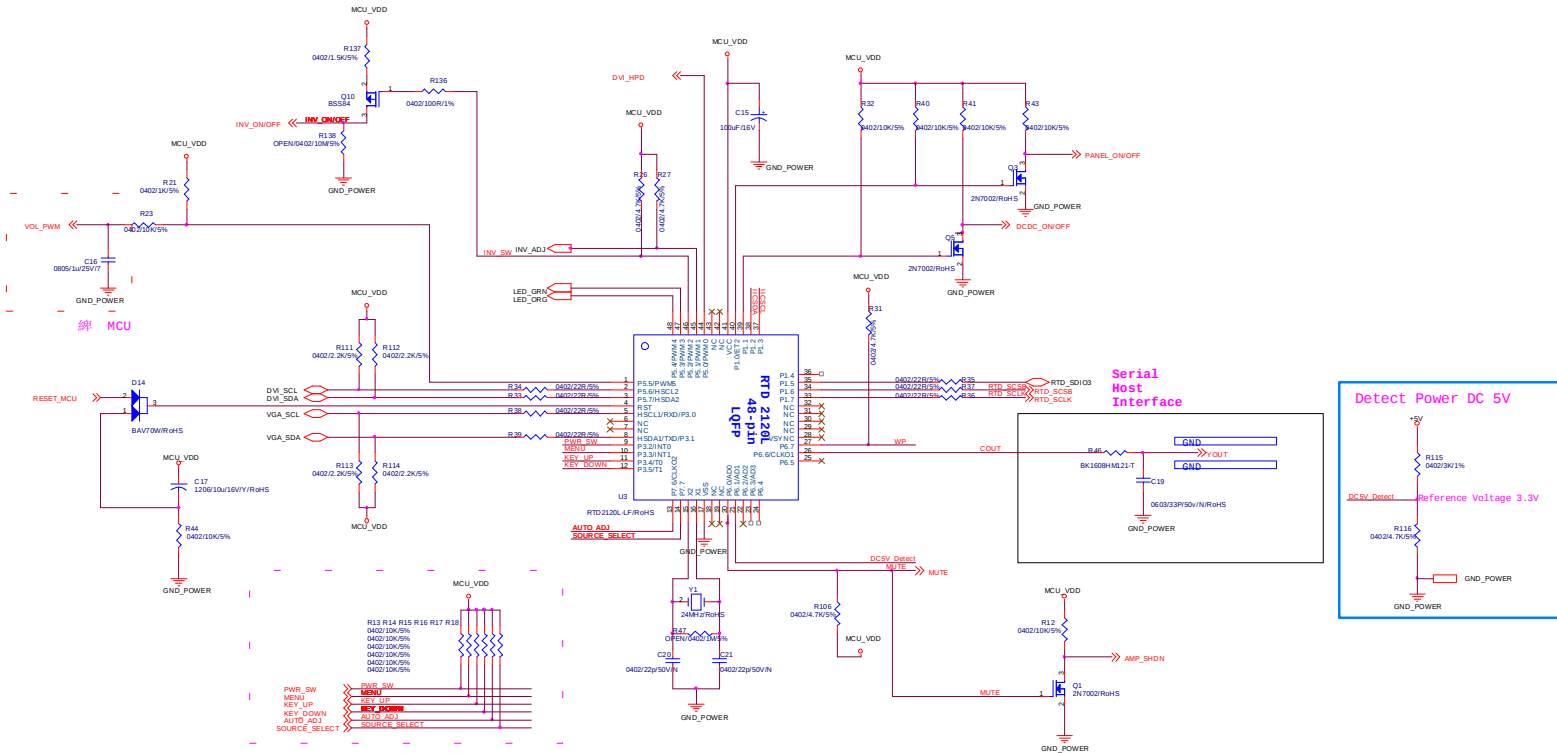
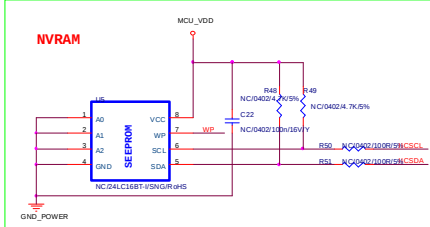
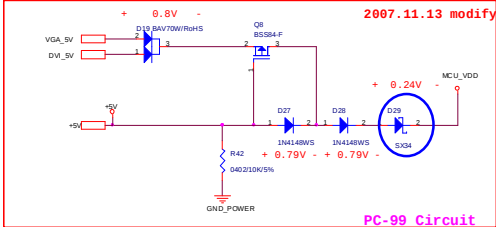
8.1 main board

8.2 power board

Main board  
VGA



## MCU

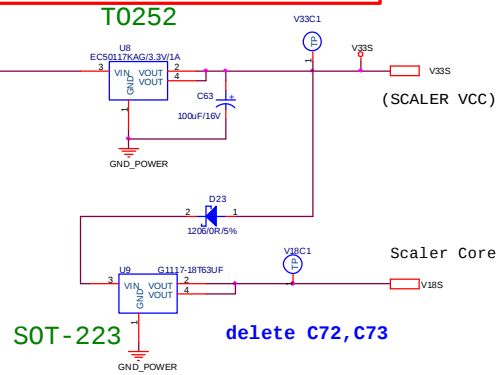
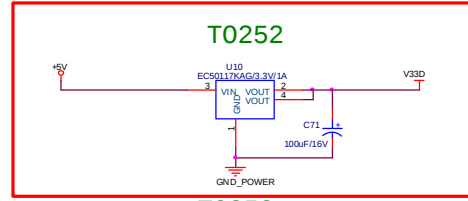
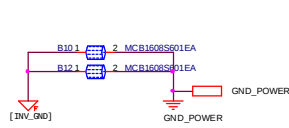
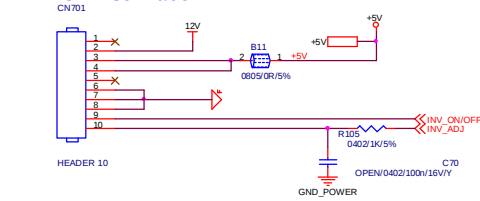


[illegible]

RB-Swap,  
PN-Swap,  
H/L  
bit-Swap

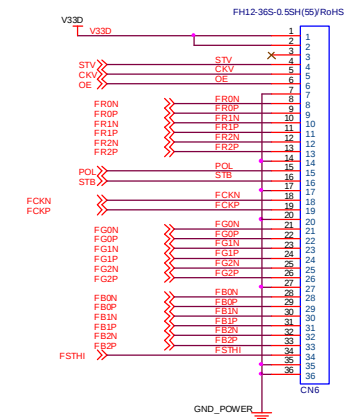
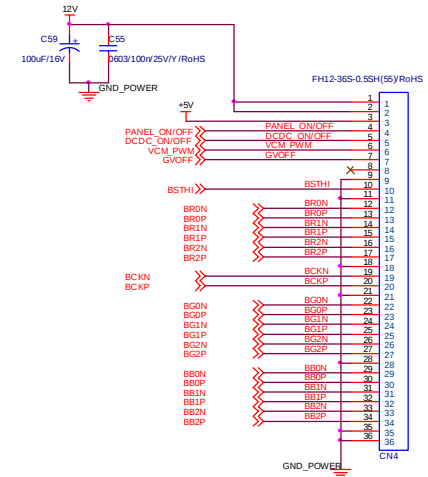
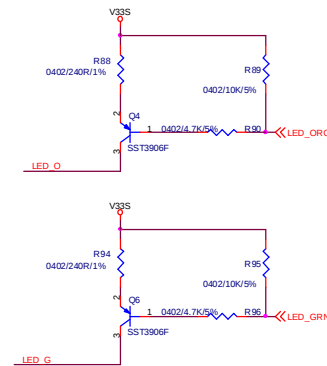
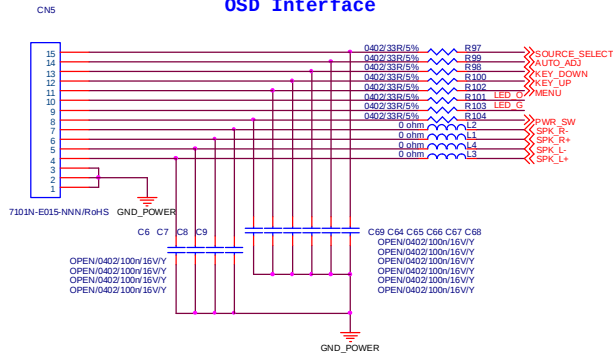
## INTERFACE

### LIPS Interface

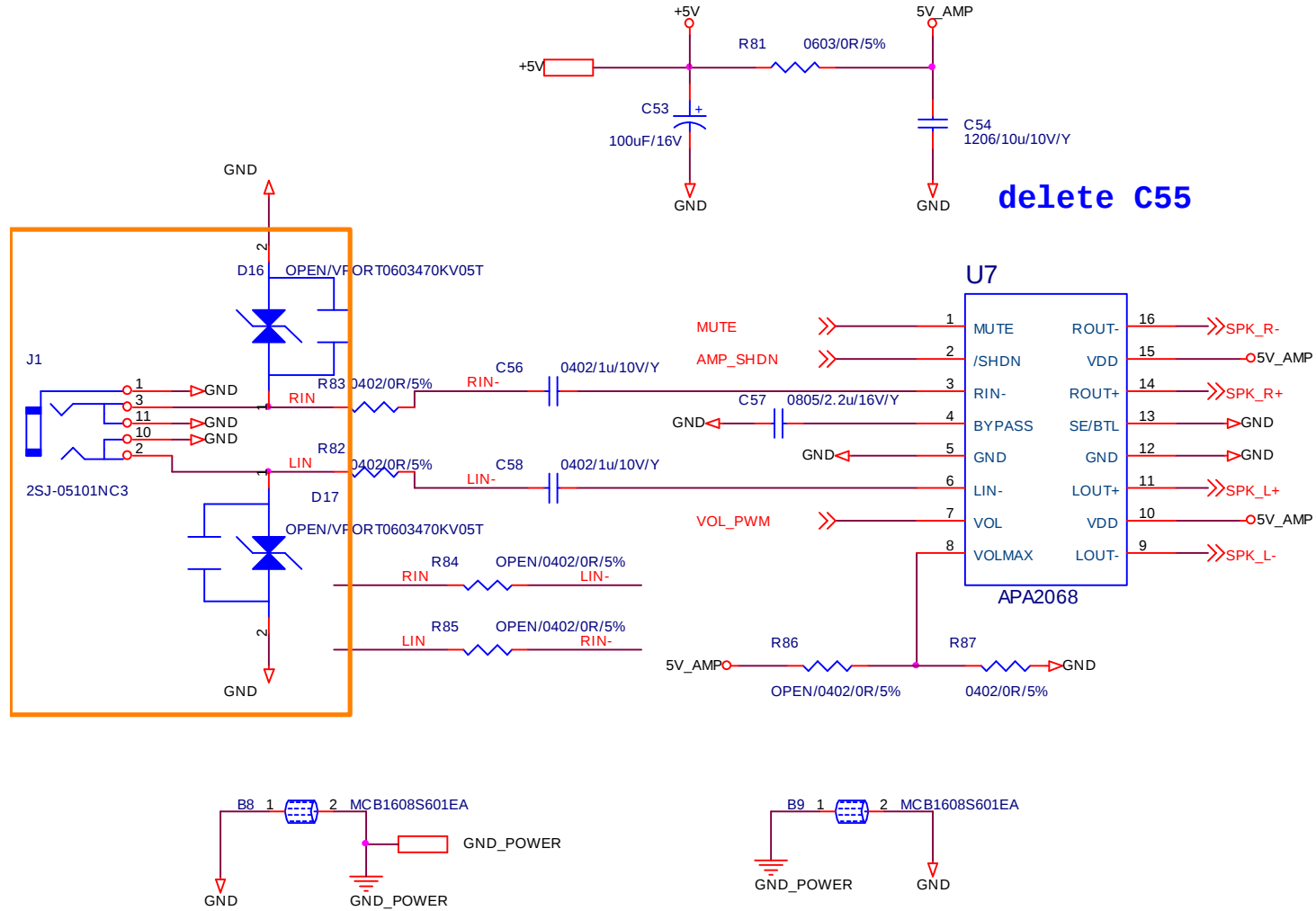


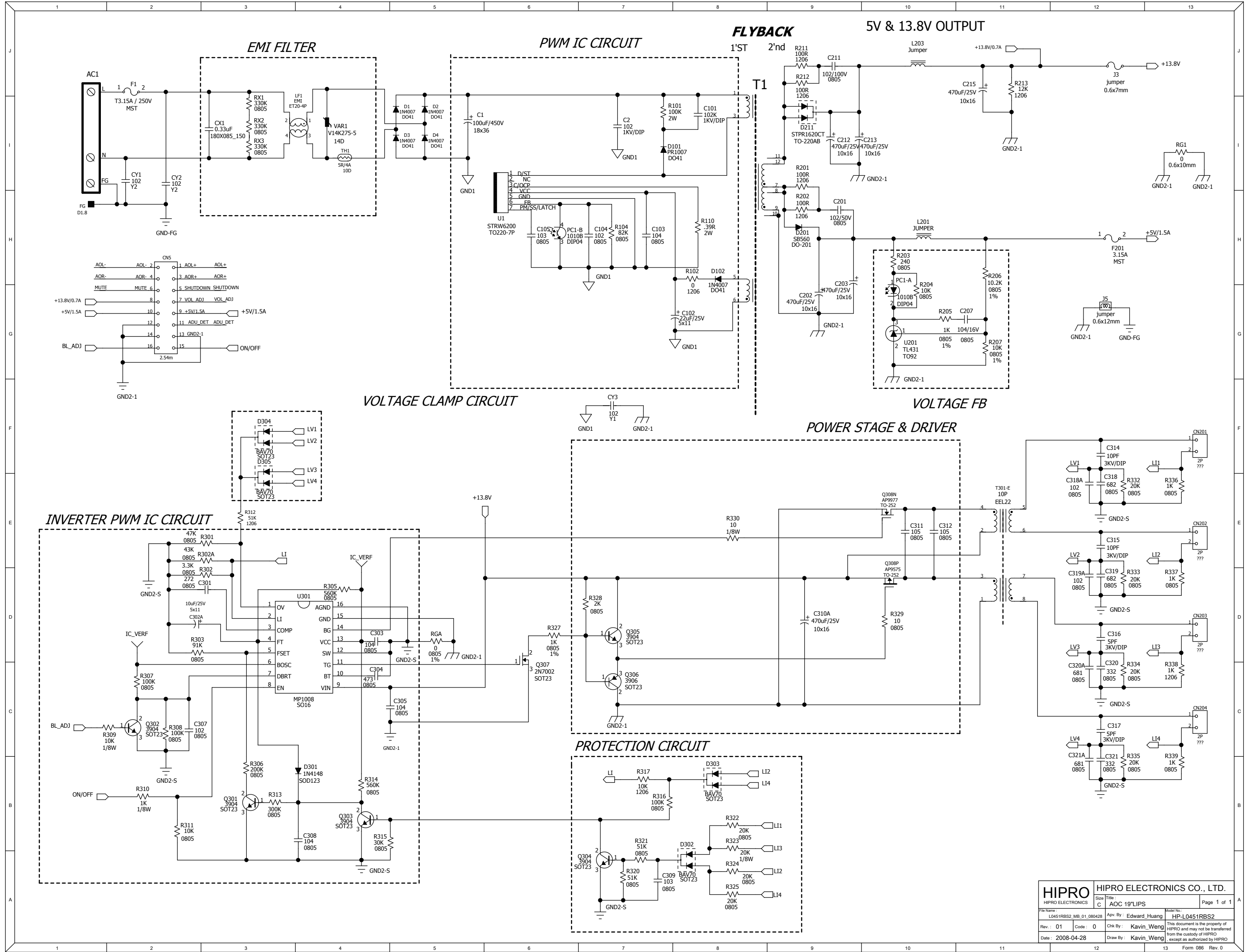
SOT-223 delete C72,C73

### OSD Interface

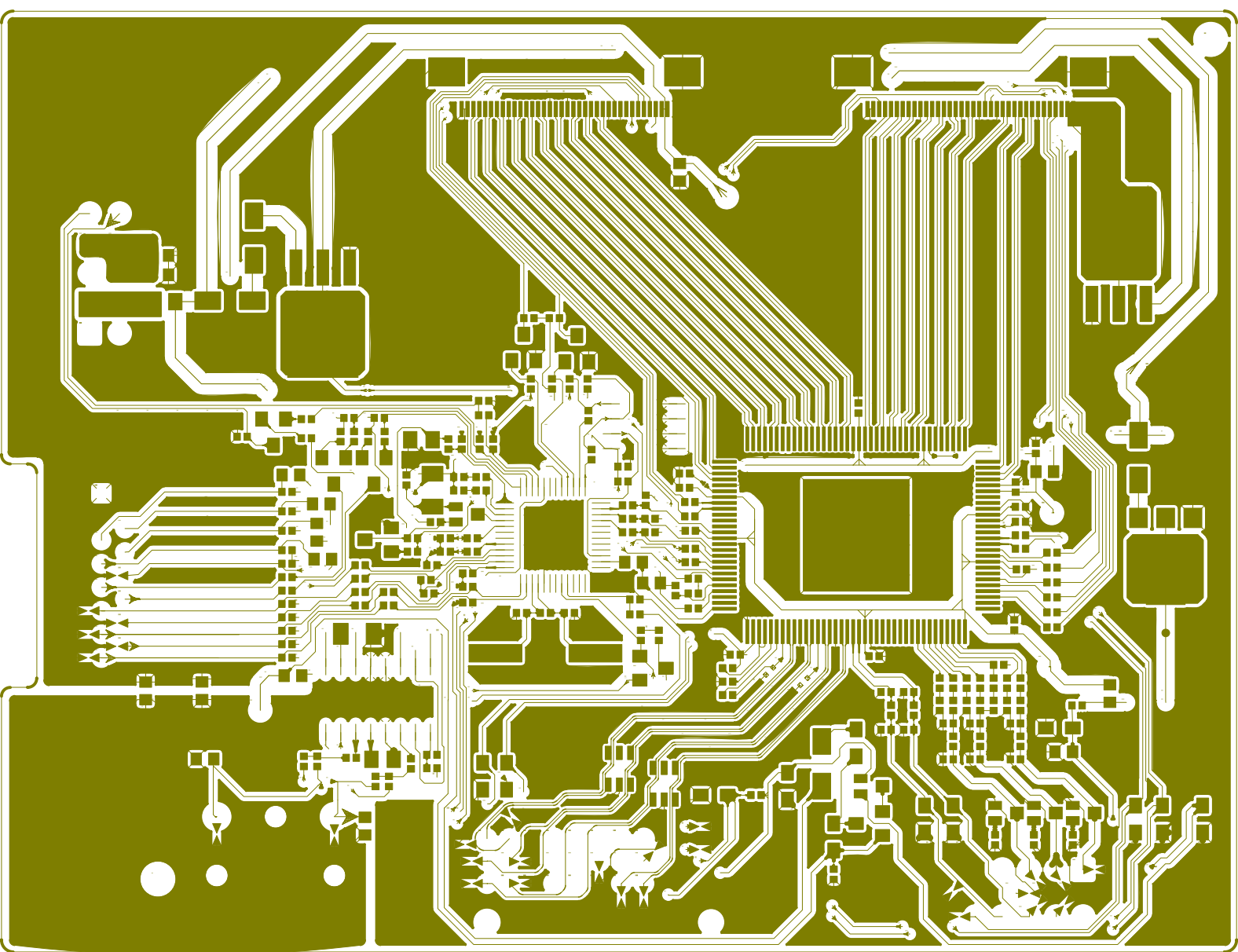


## AUDIO

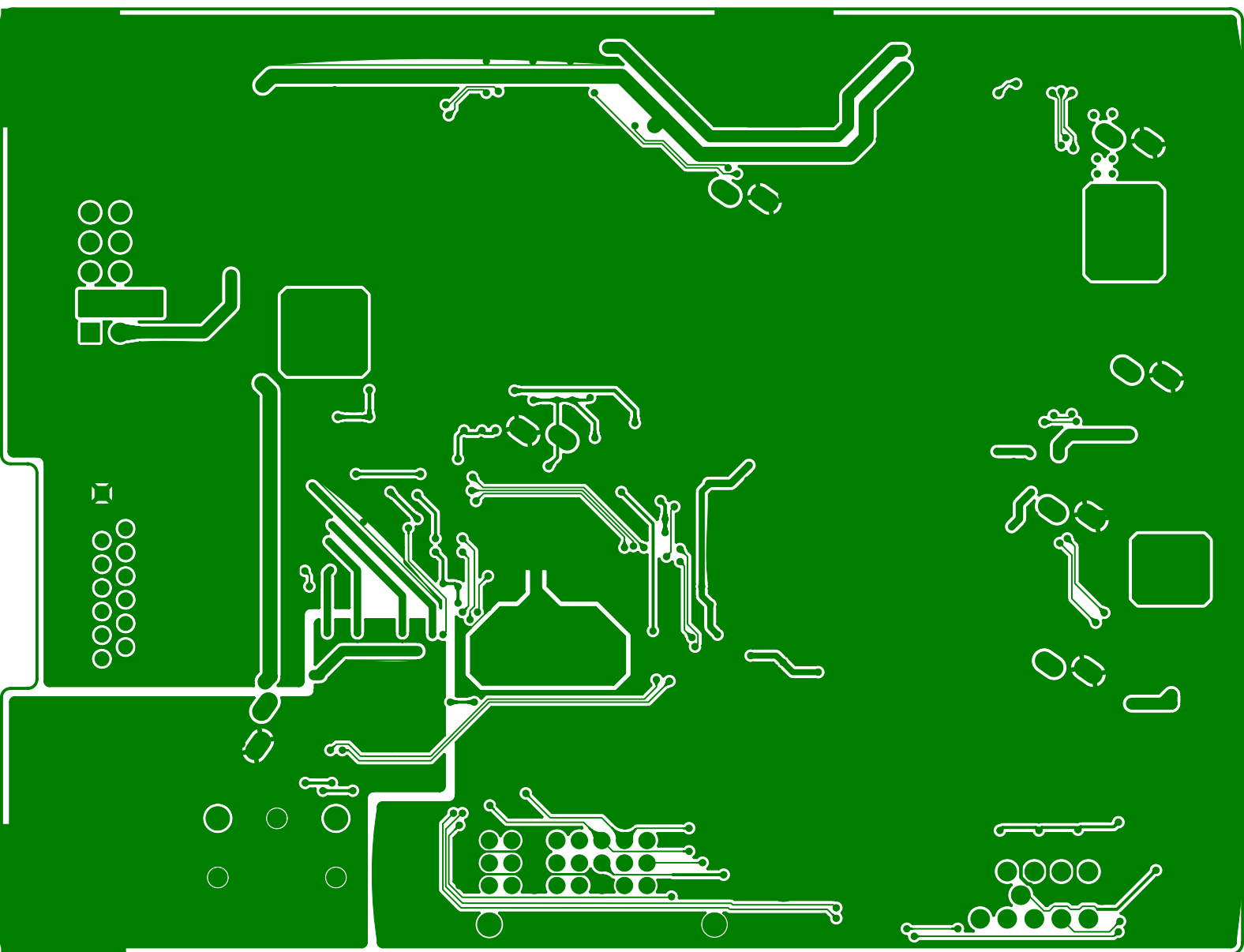




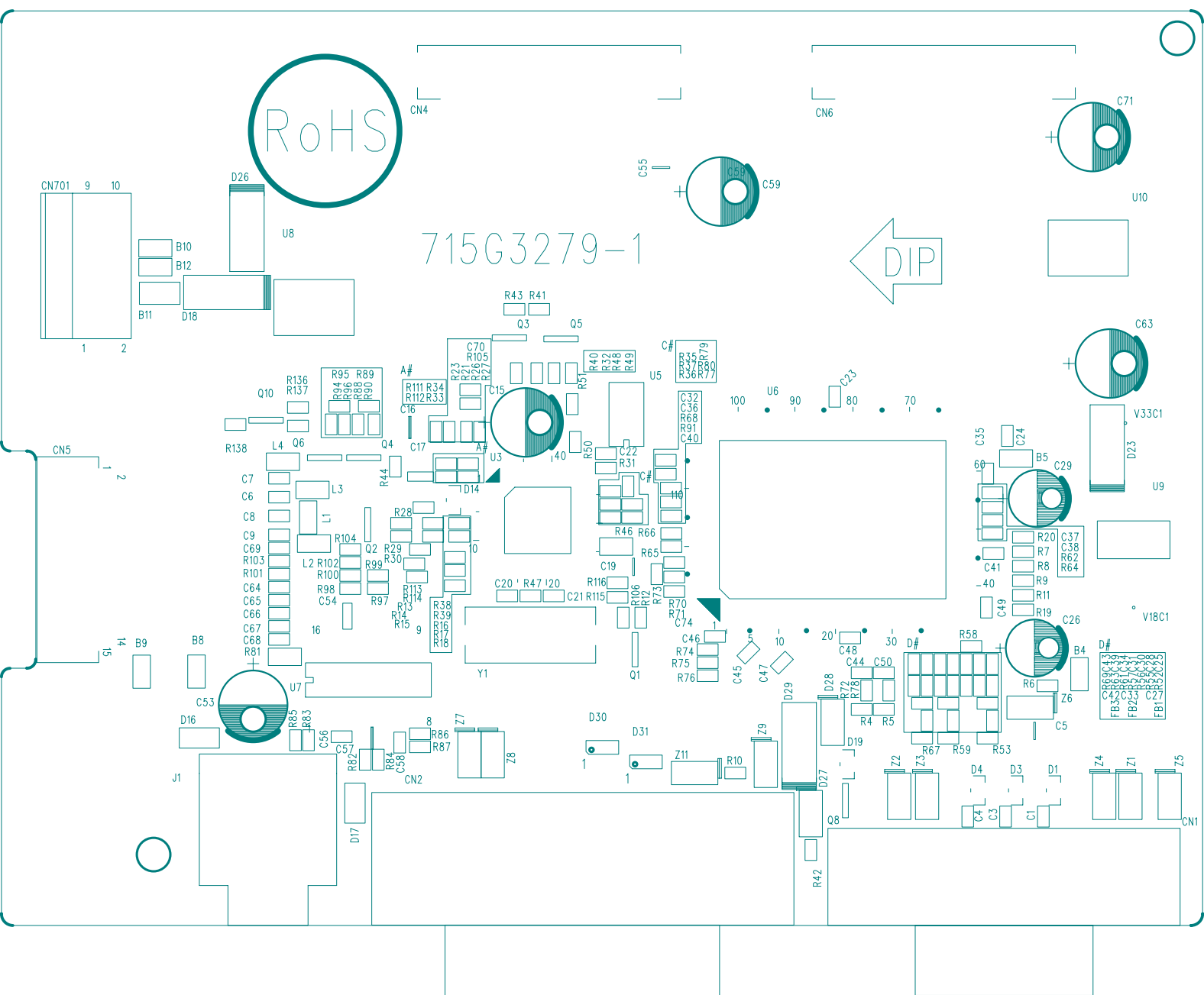




Artwork Component Side

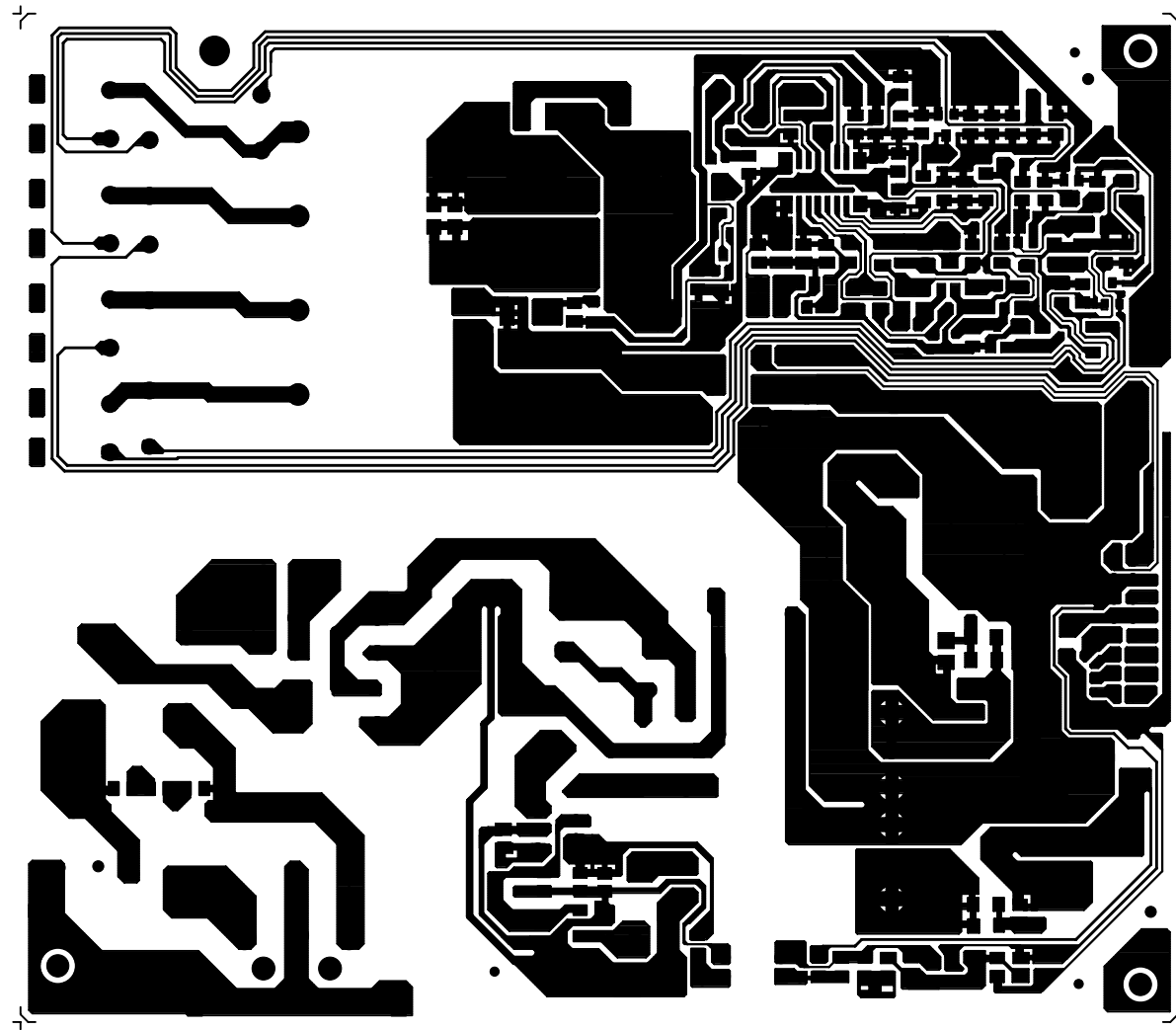


Artwork Solder Side



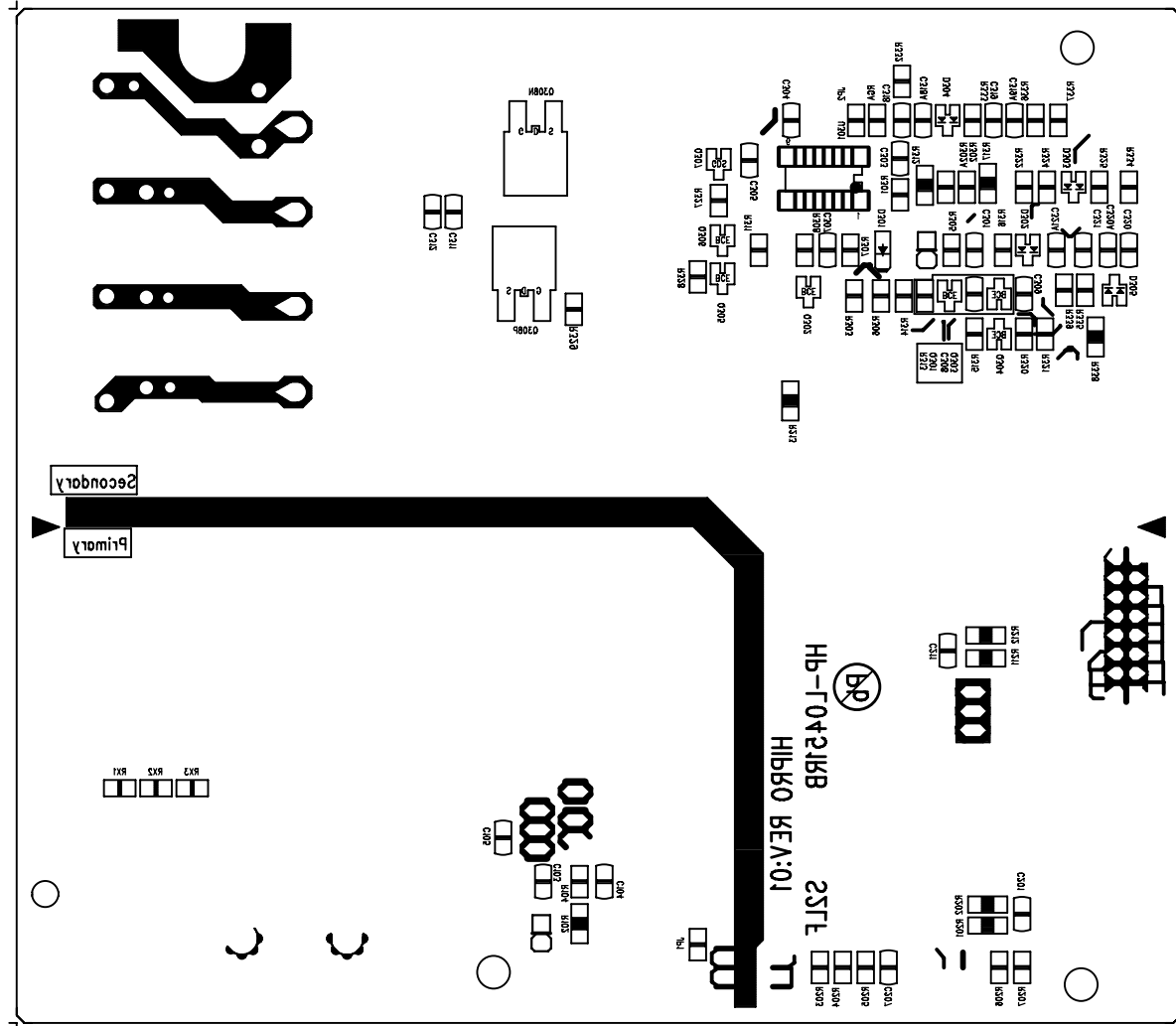
Silkscreen TOP

|                                             |                                                                                                                                       |           |                           |             |              |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------------|-------------|--------------|
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|                                             |                                                                                                                                       | MODEL NO: | HP-L0451RB S2LF           | CODE :      | 0            |
|                                             |                                                                                                                                       | P/N :     | 9MCL0451FA1xx2LF          | DATE :      | 2008.05.13   |
|                                             |                                                                                                                                       | PREPARE : | JOLIN CHEN                | SIDE NAME : | MOTTO R3DJ02 |

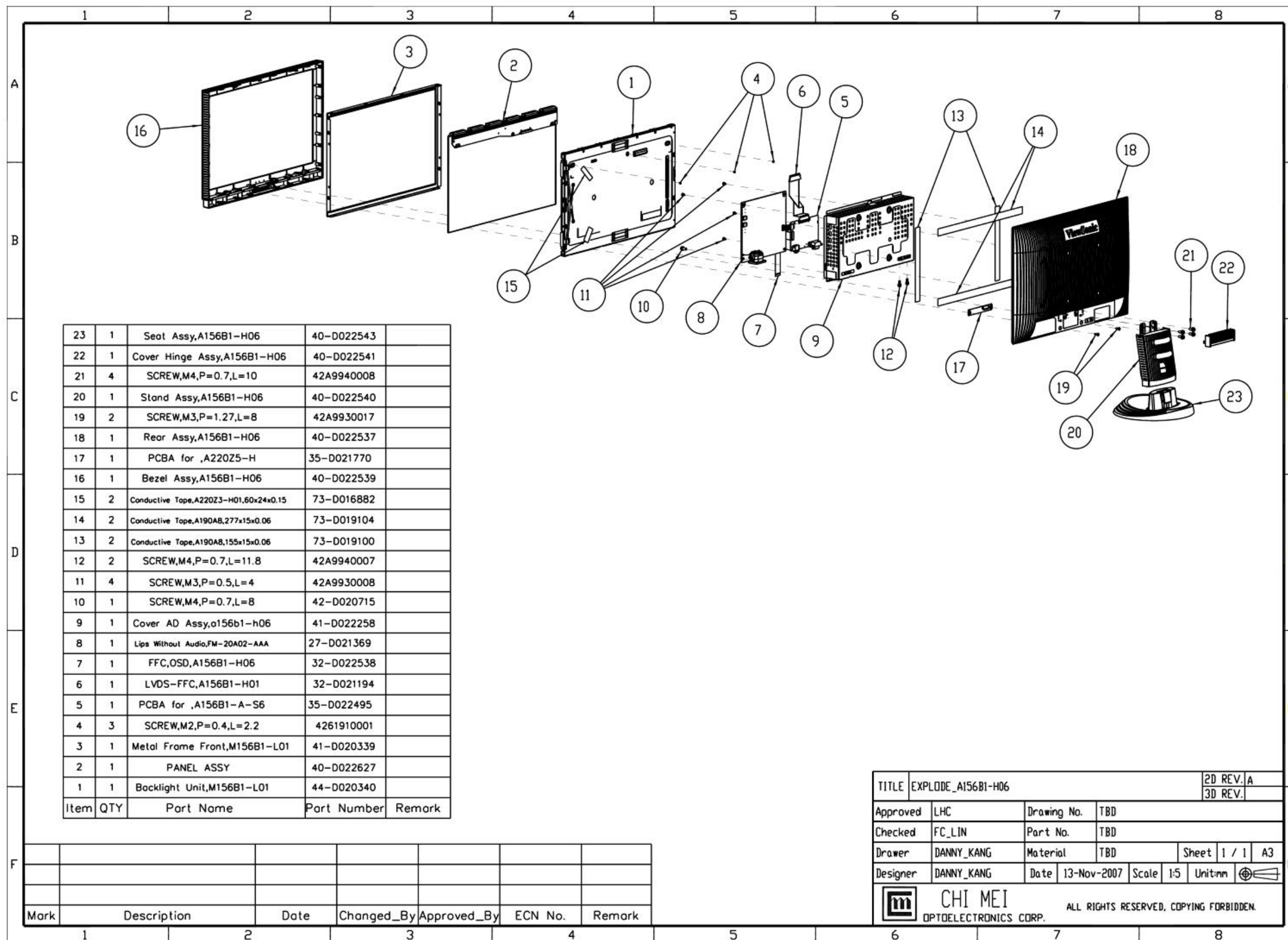




|                                             |                                                                                                                                       |           |                           |             |                  |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------------|-------------|------------------|
| <b>HIPRO</b><br>HIPRO ELECTRONICS CO., LTD. | This document is the property of HIPRO<br>and may not be transferred<br>from the custody of HIPRO<br>, except as authorized by HIPRO. | FILE NO:  | L0451RBS2_MB06_L01_080513 | REV:        | 01               |
|                                             |                                                                                                                                       | MODEL NO: | HP-L0451RB S2LF           | CODE :      | 0                |
|                                             |                                                                                                                                       | P/N :     | 9MCL0451FA1xx2LF          | DATE :      | 2008.05.13       |
|                                             |                                                                                                                                       | PREPARE : | JOLIN CHEN                | SIDE NAME : | MOTTO NEEB2K2S2J |



## 10. Exploded Diagram and Exploded Parts List



## T96MRADKIWVSNNN

**ViewSonic Model Number:VA1926w-9(refresh)**

**Rev:**

| Item | ViewSonic<br>P/N | Ref. P/N           | Description                              | Q'ty |
|------|------------------|--------------------|------------------------------------------|------|
| 1    |                  | 750GLM90KA212C000Q | PANELA190A2 90 CMO<br>CONSIGN/SJ0A121D01 | 1    |
| 2    |                  | 0M1G 330 4120      | SCREW 42A9930008                         | 3    |
| 3    |                  | 080G L19 6HIC      | POWER BOARD                              | 1    |
| 4    |                  | 089G176J 36N00     | FFC CABLE 36P 103MM/32-D011012           | 2    |
| 5    |                  | CBPCRRLVSQ3        | CONVERSION BOARD                         | 1    |
| 6    |                  | N85G0007 1 WQ      | COVER AD 41-D021311                      | 1    |
| 7    |                  | 0M1G1740 8120      | SCREW FOR STD/MF 42-D020715/42-D000649   | 1    |
| 8    |                  | 002G6008 2         | SCREW 42-D015647                         | 4    |
| 9    |                  | N34G0077 ZK 1B     | BEZEL 40-D018270 BEZEL                   | 1    |
| 10   |                  | N15G0009 1 ZA      | Support plate 41-D018266                 | 1    |
| 11   |                  | N34G0084 ZK 1B     | REAR 40-D018839                          | 1    |
| 12   |                  | KEPC8QS6           | KEY BOARD                                | 1    |
| 13   |                  | N33G0035 1P        | LENS 40-D018272                          | 1    |
| 14   |                  | N33G0034 ZN 1B     | KEYPAD 40-D018263                        | 1    |
| 15   |                  | 089G176W 15502     | FFC (Keypad)                             | 1    |
| 16   |                  | N34G0083 ZK 1B CM  | STAND_HOLDER 40-D018273                  | 2    |
| 17   |                  | 0Q1G 330 10120     | SCREW FOR FP/RC 42-D003792               | 4    |
| 18   |                  | N34G0082 ZK 1B CM  | STAND_BACK 40-D018271                    | 1    |
| 19   |                  | N34G0081 ZK 1B CM  | STAND FRONT 40-D018260                   | 1    |
| 20   |                  | N34G0162 NB 1B FJ  | SEAT 40-D022639                          | 1    |
| 21   |                  | N12G6300002 SX     | RUBBER 40A1769201                        | 5    |

## 11. Recommended Spare Parts List

### T96MRADDIWVSNN

| Location     | Part No.           | Description                              | Remark |
|--------------|--------------------|------------------------------------------|--------|
|              | 750GLM90KA212C000Q | PANELA190A2 90 CMO<br>CONSIGN/SJ0A121D01 |        |
|              | N15G0009 1 ZA      | Support plate 41-D018266                 |        |
|              | 0Q1G 330 5120      | SCREW 42-D003574                         |        |
|              | 0M1G4340 10120     | SCREW 42A9940013                         |        |
|              | P45G 77001         | Enlace film                              |        |
|              | N45G 52001         | PE SHEET                                 |        |
|              | N45G 88607005 HQ   | PE BAG 78-D018384                        |        |
|              | N44G9007 1 DD      | CUSHION BOTTOM 78-D018484                |        |
|              | N44G9007 2 DD      | CUSHION TOP 78-D018485                   |        |
|              | 0M1G1740 8120      | SCREW FOR STD/MF 42-D020715/42-D000649   |        |
|              | 0M1G 330 4120      | SCREW 42A9930008                         |        |
|              | 002G6008 2         | SCREW 42-D015647                         |        |
|              | N52G6020002 HB     | panel protector film                     |        |
|              | N85G0006 1 JZ      | COVER AD                                 |        |
|              | N52G 2191 01       | TAPE /7345911004                         |        |
|              | N52G 1VSC002 HY    | Security Tape- 7345511002                |        |
| Europe       | N40G000196867A     | S/N LABEL FOR VIEWSONIC                  |        |
| Europe/China | N40G0001968 2A     | S/N LABEL 7741513161                     |        |
|              | N44G9003185        | CORNER PAPER 7841595111/78-D004862       |        |
|              | N44G9003 80        | CORNER PAPER 78-D004868                  |        |
|              | N07G0004 1 RW      | PALLET 78-D003113                        |        |
|              | N44G9003 90        | CORNER PAPER 7841795141                  |        |
| Europe       | N44G9007968 5A     | A1916w CARTON for world wide             |        |
|              | 050G 600 1 W       | WHITE STRAP                              |        |
|              | N44G9007VSC 1A     | Shipping Draw- 79-D018282                |        |
| Europe       | 089G410A18N IS     | POWER CORD 32E1818020                    |        |
|              | N40G000296823A     | HG LABEL- 77-D022377                     |        |
|              | N40G000196855A     | CARTON LABEL                             |        |
|              | 089G 728HAA DB     | D-SUB CABLE                              |        |
|              | N40G000296838A     | Energy Star Label                        |        |
|              | 750GLM90KA292C000Q | PANEL A190A2 CMO/SJ0A12AD01              |        |
|              | CBPCRRLVSQ4        | CONVERSION BOARD                         |        |
|              | KEPC8QS6           | KEY BOARD                                |        |
|              | N41G900296833A     | MANUAL                                   |        |
| Europe       | N40G 19N96839A     | SAFETY LABEL                             |        |
|              | N40G000296810A     | LABEL HI-POT-PASS 77-D005237             |        |

|        |                   |                                          |  |
|--------|-------------------|------------------------------------------|--|
|        | EDIDVSC19A011     | CHECKSUM 0XCB                            |  |
|        | N52G6032 17001 HB | mylar                                    |  |
|        | 705GN834407 FJ    | Bezel Ass'y 40-D019525                   |  |
|        | N34G0079 ZK 1B CM | COVER HINGE 40-D018256                   |  |
|        | N34G0162 NB 1B YJ | SEAT 40-D018269                          |  |
|        | N34G0081 ZK 1B CM | STAND FRONT 40-D018260                   |  |
|        | N34G0082 ZK 1B CM | STAND_BACK 40-D018271                    |  |
|        | N34G0083 ZK 1B CM | STAND_HOLDER 40-D018273                  |  |
|        | N12G6300003 SX    | RUBBER_CAP 40-D000227                    |  |
|        | 705GN834417 CM    | BEZEL ASS'Y 40-D018240                   |  |
|        | N23G3155709 1A    | VIEWSONIC NAME PLATE 77-D000224          |  |
|        | N23G3178712 1A    | VSC-BIRD-LOGO 77-D020778                 |  |
|        | N34G0092 ZK 1B FJ | COVER_HINGE 40-D022638                   |  |
|        | N15G0010 1 FH     | SEAT_PLATE 41-D018262                    |  |
|        | 0Q1G 130 8120     | SCREW 42A9930011                         |  |
|        | N12G6300002 SX    | RUBBER 40A1769201                        |  |
|        | N37G0028 1 CX     | HINGE 41-D018268                         |  |
|        | N34G0163 NB 1B FJ | STAND_HOLDER 40-D022637                  |  |
|        | 0Q1G 330 10120    | SCREW FOR FP/RC 42-D003792               |  |
|        | N34G0164 NB 1B FJ | STAND_BACK 40-D022641                    |  |
|        | N34G0165 NB 1B FJ | STAND_FRONT 40-D022636                   |  |
|        | N34G0091 ZK 1B CM | REAR 40-D018254                          |  |
|        | N34G0162 NB 1B FJ | SEAT 40-D022639                          |  |
|        | N34G0091 ZK 1B FJ | REAR                                     |  |
|        | 052G 1207 A       | Conductive Tape 45mm *25mm *0.08mm       |  |
|        | N52G 1211002 HB   | Conductive Tape 90mm *24mm *0.06mm       |  |
|        | 089G 728GAA DB    | D-SUB CABLE                              |  |
|        | 080G L19 6HIC     | POWER BOARD                              |  |
|        | 089G176W 15502    | FFC (Keypad)                             |  |
|        | 089G176J 36N00    | FFC CABLE 36P 103MM/32-D011012           |  |
| Europe | 089G404A18N YH    | POWER CORD(32E1818018/32-D022217)        |  |
| Europe | 089G421A18N IS    | POWER CORD/32-D022217                    |  |
|        | BIOS19R00701      | RTD2554V_CMO_RSIDS_A_V009, checksum 0XB6 |  |
|        | N45G 88606012 DS  | pe bag for base                          |  |
|        | N33G0076NA7 1P FJ | LENS 40-D022640                          |  |
|        | N33G0077 NV 1B FJ | KEYPAD 40-D022635                        |  |
|        | N34G0173 ZK 1B FJ | DECORATION 40-D022642                    |  |
|        | N34G0174 ZK 1B FJ | BEZEL 40-D019531                         |  |
|        | N33G0035 1P       | LENS 40-D018272                          |  |

|       |                   |                                  |  |
|-------|-------------------|----------------------------------|--|
|       | N33G0034 ZN 1B    | KEYPAD 40-D018263                |  |
|       | N34G0078 ZNA1B    | DECORATION 40-D018267            |  |
|       | N34G0077 ZK 1B    | BEZEL 40-D018270 BEZEL           |  |
| CN5   | 033G801915T H     | CONNECTOR                        |  |
| CN701 | 033G8022 10 H CMO | HEADER FEMALE 10P 2.5PITCH       |  |
| CN1   | 088G 35315F H     | D-SUB 15PIN                      |  |
| C26   | 067G305V100 3     | 105°C 10UF +-20% 16V             |  |
| C29   | 067G305V100 3     | 105°C 10UF +-20% 16V             |  |
|       | SMTCRRLVSQ2       | MAIN BOARD                       |  |
|       | 040G 45762412B    | CBPC LABEL                       |  |
| C71   | 067G305V101 4P    | CAP 105C 100UF M 25V 6.3*11      |  |
| C63   | 067G305V101 4P    | CAP 105C 100UF M 25V 6.3*11      |  |
| C15   | 067G305V101 4P    | CAP 105C 100UF M 25V 6.3*11      |  |
| C59   | 067G305V101 4P    | CAP 105C 100UF M 25V 6.3*11      |  |
| CN6   | 033G801936Y H HC  | 0.5 PITCH 36P SMT FPC CONN       |  |
| CN4   | 033G801936Y H HC  | 0.5 PITCH 36P SMT FPC CONN       |  |
| U6    | 056G 562578CMO    | IC,Scaler,RTD2554VH-GR,QFP-128   |  |
| U10   | 056G 563 52       | IC AP1117D33L-13 TO252-3L DIODES |  |
| U8    | 056G 563 52       | IC AP1117D33L-13 TO252-3L DIODES |  |
| U9    | 056G 563113       | IC G1117-18T63Uf 1A/1.8V SOT-223 |  |
| U3    | 056G1125701 X     | IC MCU RTD2120L-LF REALTEK       |  |
| Q6    | 057G 417517       | LMBT3906LT1G SOT-23 BY LRC       |  |
| Q4    | 057G 417517       | LMBT3906LT1G SOT-23 BY LRC       |  |
| Q1    | 057G 759 2A       | TANSISTOR 2N7002 SOT-23          |  |
| Q3    | 057G 759 2A       | TANSISTOR 2N7002 SOT-23          |  |
| Q5    | 057G 759 2A       | TANSISTOR 2N7002 SOT-23          |  |
| Q10   | 057G 763 59       | FET BSS84 -0.13A/-50V SOT-23     |  |
| Q8    | 057G 763 59       | FET BSS84 -0.13A/-50V SOT-23     |  |
| R29   | 061G0402000       | RST CHIP MAX 0R05 1/16W          |  |
| R136  | 061G0402100 0F    | RST CHIPR 100 OHM +-1% 1/16W     |  |
| R72   | 061G0402101       | RST CHIPR 100 OHM +-5% 1/16W     |  |
| R69   | 061G0402101       | RST CHIPR 100 OHM +-5% 1/16W     |  |
| R63   | 061G0402101       | RST CHIPR 100 OHM +-5% 1/16W     |  |
| R61   | 061G0402101       | RST CHIPR 100 OHM +-5% 1/16W     |  |
| R57   | 061G0402101       | RST CHIPR 100 OHM +-5% 1/16W     |  |
| R56   | 061G0402101       | RST CHIPR 100 OHM +-5% 1/16W     |  |
| R55   | 061G0402101       | RST CHIPR 100 OHM +-5% 1/16W     |  |
| R52   | 061G0402101       | RST CHIPR 100 OHM +-5% 1/16W     |  |
| R39   | 061G0402101       | RST CHIPR 100 OHM +-5% 1/16W     |  |
| R38   | 061G0402101       | RST CHIPR 100 OHM +-5% 1/16W     |  |

|      |             |                               |  |
|------|-------------|-------------------------------|--|
| R78  | 061G0402101 | RST CHIPR 100 OHM +-5% 1/16W  |  |
| R76  | 061G0402102 | RST CHIPR 1 KOHM +-5% 1/16W   |  |
| R70  | 061G0402102 | RST CHIPR 1 KOHM +-5% 1/16W   |  |
| R21  | 061G0402102 | RST CHIPR 1 KOHM +-5% 1/16W   |  |
| R105 | 061G0402102 | RST CHIPR 1 KOHM +-5% 1/16W   |  |
| R95  | 061G0402103 | RST CHIPR 10 KOHM +-5% 1/16W  |  |
| R89  | 061G0402103 | RST CHIPR 10 KOHM +-5% 1/16W  |  |
| R71  | 061G0402103 | RST CHIPR 10 KOHM +-5% 1/16W  |  |
| R44  | 061G0402103 | RST CHIPR 10 KOHM +-5% 1/16W  |  |
| R43  | 061G0402103 | RST CHIPR 10 KOHM +-5% 1/16W  |  |
| R42  | 061G0402103 | RST CHIPR 10 KOHM +-5% 1/16W  |  |
| R41  | 061G0402103 | RST CHIPR 10 KOHM +-5% 1/16W  |  |
| R40  | 061G0402103 | RST CHIPR 10 KOHM +-5% 1/16W  |  |
| R32  | 061G0402103 | RST CHIPR 10 KOHM +-5% 1/16W  |  |
| R23  | 061G0402103 | RST CHIPR 10 KOHM +-5% 1/16W  |  |
| R18  | 061G0402103 | RST CHIPR 10 KOHM +-5% 1/16W  |  |
| R17  | 061G0402103 | RST CHIPR 10 KOHM +-5% 1/16W  |  |
| R16  | 061G0402103 | RST CHIPR 10 KOHM +-5% 1/16W  |  |
| R15  | 061G0402103 | RST CHIPR 10 KOHM +-5% 1/16W  |  |
| R14  | 061G0402103 | RST CHIPR 10 KOHM +-5% 1/16W  |  |
| R13  | 061G0402103 | RST CHIPR 10 KOHM +-5% 1/16W  |  |
| R12  | 061G0402103 | RST CHIPR 10 KOHM +-5% 1/16W  |  |
| R137 | 061G0402152 | RST CHIP 1K5 1/16W 5%         |  |
| R36  | 061G0402220 | RST CHIPR 22 OHM +-5% 1/16W   |  |
| R37  | 061G0402220 | RST CHIPR 22 OHM +-5% 1/16W   |  |
| R62  | 061G0402220 | RST CHIPR 22 OHM +-5% 1/16W   |  |
| R64  | 061G0402220 | RST CHIPR 22 OHM +-5% 1/16W   |  |
| R68  | 061G0402220 | RST CHIPR 22 OHM +-5% 1/16W   |  |
| R7   | 061G0402220 | RST CHIPR 22 OHM +-5% 1/16W   |  |
| R8   | 061G0402220 | RST CHIPR 22 OHM +-5% 1/16W   |  |
| R9   | 061G0402220 | RST CHIPR 22 OHM +-5% 1/16W   |  |
| R91  | 061G0402220 | RST CHIPR 22 OHM +-5% 1/16W   |  |
| R35  | 061G0402220 | RST CHIPR 22 OHM +-5% 1/16W   |  |
| R20  | 061G0402220 | RST CHIPR 22 OHM +-5% 1/16W   |  |
| R19  | 061G0402220 | RST CHIPR 22 OHM +-5% 1/16W   |  |
| R11  | 061G0402220 | RST CHIPR 22 OHM +-5% 1/16W   |  |
| R94  | 061G0402221 | RST CHIPR 220 OHM +-5% 1/16W  |  |
| R88  | 061G0402221 | RST CHIPR 220 OHM +-5% 1/16W  |  |
| R113 | 061G0402222 | RST CHIPR 2.2 KOHM +-5% 1/16W |  |
| R5   | 061G0402222 | RST CHIPR 2.2 KOHM +-5% 1/16W |  |

|      |                |                                    |  |
|------|----------------|------------------------------------|--|
| R4   | 061G0402222    | RST CHIPR 2.2 KOHM +-5% 1/16W      |  |
| R114 | 061G0402222    | RST CHIPR 2.2 KOHM +-5% 1/16W      |  |
| R115 | 061G0402240 1F | RST CHIPR 0402 2.4K OHM +-1% 1/16W |  |
| R73  | 061G0402303    | RST CHIPR 30 KOHM +-5% 1/16W       |  |
| R99  | 061G0402330    | RST CHIPR 33 OHM +-5% 1/16W        |  |
| R98  | 061G0402330    | RST CHIPR 33 OHM +-5% 1/16W        |  |
| R97  | 061G0402330    | RST CHIPR 33 OHM +-5% 1/16W        |  |
| R104 | 061G0402330    | RST CHIPR 33 OHM +-5% 1/16W        |  |
| R103 | 061G0402330    | RST CHIPR 33 OHM +-5% 1/16W        |  |
| R102 | 061G0402330    | RST CHIPR 33 OHM +-5% 1/16W        |  |
| R101 | 061G0402330    | RST CHIPR 33 OHM +-5% 1/16W        |  |
| R100 | 061G0402330    | RST CHIPR 33 OHM +-5% 1/16W        |  |
| R77  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W      |  |
| R79  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W      |  |
| R80  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W      |  |
| R90  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W      |  |
| R96  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W      |  |
| R75  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W      |  |
| R74  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W      |  |
| R31  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W      |  |
| R27  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W      |  |
| R26  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W      |  |
| R116 | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W      |  |
| R67  | 061G0402750    | RST CHIPR 75 OHM +-5% 1/16W        |  |
| R59  | 061G0402750    | RST CHIPR 75 OHM +-5% 1/16W        |  |
| R53  | 061G0402750    | RST CHIPR 75 OHM +-5% 1/16W        |  |
| B11  | 061G0805000    | RST CHIP MAX 0R05 1/8W             |  |
| D26  | 061G1206000    | RST CHIP MAX 0R05 1/4W             |  |
| D23  | 061G1206000    | RST CHIP MAX 0R05 1/4W             |  |
| C70  | 065G0402104 12 | CAP CHIP 0402 0.1UF 16V X7R        |  |
| C47  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V      |  |
| C46  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V      |  |
| C48  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V      |  |
| C74  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V      |  |
| C49  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V      |  |
| C45  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V      |  |
| C41  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V      |  |
| C40  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V      |  |
| C38  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V      |  |
| C37  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V      |  |

|     |                |                                        |  |
|-----|----------------|----------------------------------------|--|
| C36 | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V          |  |
| C35 | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V          |  |
| C32 | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V          |  |
| C24 | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V          |  |
| C23 | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V          |  |
| C50 | 065G0402120 31 | CAP CHIP 0402 12P 50V NPO              |  |
| C20 | 065G0402220 31 | CHIP 22PF 50V NPO                      |  |
| C21 | 065G0402220 31 | CHIP 22PF 50V NPO                      |  |
| C44 | 065G0402220 31 | CHIP 22PF 50V NPO                      |  |
| C25 | 065G0402473 17 | CAP CHIP 0402 47nF K 16V Y5V           |  |
| C28 | 065G0402473 17 | CAP CHIP 0402 47nF K 16V Y5V           |  |
| C30 | 065G0402473 17 | CAP CHIP 0402 47nF K 16V Y5V           |  |
| C31 | 065G0402473 17 | CAP CHIP 0402 47nF K 16V Y5V           |  |
| C34 | 065G0402473 17 | CAP CHIP 0402 47nF K 16V Y5V           |  |
| C39 | 065G0402473 17 | CAP CHIP 0402 47nF K 16V Y5V           |  |
| C43 | 065G0402473 17 | CAP CHIP 0402 47nF K 16V Y5V           |  |
| C19 | 065G0603330 31 | CER1 0603 NP0 50V 33P PM               |  |
| C16 | 065G0805105 22 | CAP CHIP 0805 1uF K 25V X7R            |  |
| C17 | 065G1206106 17 | MLCC 10 UF Z 16V Y5V                   |  |
| FB1 | 071G 42U100 TS | CHIP BEAD 0402 10ohm+-25% 0.5A         |  |
| FB2 | 071G 42U100 TS | CHIP BEAD 0402 10ohm+-25% 0.5A         |  |
| FB3 | 071G 42U100 TS | CHIP BEAD 0402 10ohm+-25% 0.5A         |  |
| R46 | 071G 59M121 Y  | CHIP BEAD 0603 120ohm+-25% 0.35A       |  |
| L4  | 071G 59S221 M  | CHIP BEAD 0603 220ohm+-25% 2A          |  |
| L3  | 071G 59S221 M  | CHIP BEAD 0603 220ohm+-25% 2A          |  |
| L2  | 071G 59S221 M  | CHIP BEAD 0603 220ohm+-25% 2A          |  |
| L1  | 071G 59S221 M  | CHIP BEAD 0603 220ohm+-25% 2A          |  |
| B5  | 071G 59U601 TS | CHIP BEAD 0603 600ohm+-25% 0.2A        |  |
| B4  | 071G 59U601 TS | CHIP BEAD 0603 600ohm+-25% 0.2A        |  |
| B12 | 071G 59U601 TS | CHIP BEAD 0603 600ohm+-25% 0.2A        |  |
| B10 | 071G 59U601 TS | CHIP BEAD 0603 600ohm+-25% 0.2A        |  |
| Y1  | 093G 22S509CMO | Crystal SMD-49,24MHz,30pF H=4.1 mm CMO |  |
| D19 | 093G 64S503CMO | BAV70W,SOT-323(SC-70),Pan Jit CMO      |  |
| D14 | 093G 64S503CMO | BAV70W,SOT-323(SC-70),Pan Jit CMO      |  |
| D27 | 093G 64S523SEM | DIODE 1N4148WS SEMTECH                 |  |
| D28 | 093G 64S523SEM | DIODE 1N4148WS SEMTECH                 |  |
| D18 | 093G3004 3     | SM340A                                 |  |
| D29 | 093G3004 3     | SM340A                                 |  |
|     | 715G3279 2     | MAIN PCB FR-4 105X80X1.0mm DS          |  |
|     | SMTKEPC7QO1    | KEY BOARD FOR SMT                      |  |

|     |                |                               |  |
|-----|----------------|-------------------------------|--|
| CN1 | 033G8019 2CMO  | CONN.25-D000187               |  |
| SW1 | 077G 606501 CJ | TACT SWITCH                   |  |
| SW2 | 077G 606501 CJ | TACT SWITCH                   |  |
| SW3 | 077G 606501 CJ | TACT SWITCH                   |  |
| SW4 | 077G 606501 CJ | TACT SWITCH                   |  |
| SW5 | 077G 606501 CJ | TACT SWITCH                   |  |
| D1  | 081G 630 1 GP  | LED GPTS0603OC3-PB            |  |
| D2  | 081G0603 B GP  | LED GPTS06033BC1 GP           |  |
|     | 715G3032 1     | KEY PCB FR-4 76x11.8x1.0mm DS |  |
| CN1 | 033G8019 2JCMO | CONNECTOR 1.0pitch SMT 15p    |  |

## T96MRYDDIWVWNND

| Location | Part No.           | Description                            | Remark |
|----------|--------------------|----------------------------------------|--------|
|          |                    | PANELA190A2 90 CMO                     |        |
|          | 750GLM90KA212C000Q | CONSIGN/SJ0A121D01                     |        |
|          | N15G0009 1 ZA      | Support plate 41-D018266               |        |
|          | 0Q1G 330 5120      | SCREW 42-D003574                       |        |
|          | 0M1G4340 10120     | SCREW 42A9940013                       |        |
|          | P45G 77001         | Enlace film                            |        |
|          | N45G 52001         | PE SHEET                               |        |
|          | N45G 88607005 HQ   | PE BAG 78-D018384                      |        |
|          | N44G9007 1 DD      | CUSHION BOTTOM 78-D018484              |        |
|          | N44G9007 2 DD      | CUSHION TOP 78-D018485                 |        |
|          | 0M1G1740 8120      | SCREW FOR STD/MF 42-D020715/42-D000649 |        |
|          | 0M1G 330 4120      | SCREW 42A9930008                       |        |
|          | 002G6008 2         | SCREW 42-D015647                       |        |
|          | N52G6020002 HB     | panel protector film                   |        |
|          | N85G0006 1 JZ      | COVER AD                               |        |
|          | N52G 2191 01       | TAPE /7345911004                       |        |
|          | N52G 1VSC002 HY    | Security Tape- 7345511002              |        |
|          | N40G000196868A     | S/N LABEL                              |        |
|          | N40G0001968 2A     | S/N LABEL 7741513161                   |        |
|          | N44G9003185        | CORNER PAPER 7841595111/78-D004862     |        |
|          | N44G9003 80        | CORNER PAPER 78-D004868                |        |
|          | N07G0004 1 RW      | PALLET 78-D003113                      |        |
|          | N44G9003 90        | CORNER PAPER 7841795141                |        |
|          | N44G9007968 2A     | CARTON FOR China- 78-D018443           |        |
|          | 050G 600 1 W       | WHITE STRAP                            |        |
|          | N44G9007VSC 1A     | Shipping Draw- 79-D018282              |        |
|          | N40G000296823A     | HG LABEL- 77-D022377                   |        |

|  |                    |                                    |  |
|--|--------------------|------------------------------------|--|
|  | N40G000196855A     | CARTON LABEL                       |  |
|  | 089G 728HAA DB     | D-SUB CABLE                        |  |
|  | N40G000296838A     | Energy Star Label                  |  |
|  | 750GLM90KA292C000Q | PANEL A190A2 CMO/SJ0A12AD01        |  |
|  | CBPCRRRLVSQ4       | CONVERSION BOARD                   |  |
|  | KEPC8QS6           | KEY BOARD                          |  |
|  | N41G900296833A     | MANUAL                             |  |
|  | F40G 19N96839A     | SAFETY LABEL                       |  |
|  | N40G000296810A     | LABEL HI-POT-PASS 77-D005237       |  |
|  | EDIDVSC19A011      | CHECKSUM 0XCB                      |  |
|  | N52G6032 17001 HB  | mylar                              |  |
|  | 705GN834407 FJ     | Bezel Ass'y 40-D019525             |  |
|  | N34G0079 ZK 1B CM  | COVER HINGE 40-D018256             |  |
|  | N34G0162 NB 1B YJ  | SEAT 40-D018269                    |  |
|  | N34G0081 ZK 1B CM  | STAND FRONT 40-D018260             |  |
|  | N34G0082 ZK 1B CM  | STAND_BACK 40-D018271              |  |
|  | N34G0083 ZK 1B CM  | STAND_HOLDER 40-D018273            |  |
|  | N12G6300003 SX     | RUBBER_CAP 40-D000227              |  |
|  | 705GN834417 CM     | BEZEL ASS'Y 40-D018240             |  |
|  | N23G3155709 1A     | VIEWSONIC NAME PLATE 77-D000224    |  |
|  | N23G3178712 1A     | VSC-BIRD-LOGO 77-D020778           |  |
|  | N34G0092 ZK 1B FJ  | COVER_HINGE 40-D022638             |  |
|  | N15G0010 1 FH      | SEAT_PLATE 41-D018262              |  |
|  | 0Q1G 130 8120      | SCREW 42A9930011                   |  |
|  | N12G6300002 SX     | RUBBER 40A1769201                  |  |
|  | N37G0028 1 CX      | HINGE 41-D018268                   |  |
|  | N34G0163 NB 1B FJ  | STAND_HOLDER 40-D022637            |  |
|  | 0Q1G 330 10120     | SCREW FOR FP/RC 42-D003792         |  |
|  | N34G0164 NB 1B FJ  | STAND_BACK 40-D022641              |  |
|  | N34G0165 NB 1B FJ  | STAND_FRONT 40-D022636             |  |
|  | N34G0091 ZK 1B     | REAR 40-D018254                    |  |
|  | N34G0162 NB 1B FJ  | SEAT 40-D022639                    |  |
|  | 089G 728GAA DB     | D-SUB CABLE                        |  |
|  | 089G414A18N YH     | POWER CORD(32E1818021)             |  |
|  | 089G414A18N IS     | POWER CORD 32E1818021              |  |
|  | N40G000296813B ZA  | QC PASS LABEL                      |  |
|  | F40G000296821A ZA  | Supplier label                     |  |
|  | N40G000296811C ZA  | Customer label on Carton           |  |
|  | N41G780P968 1A     | WARRANTY CARD- 78-D021250          |  |
|  | 052G 1207 A        | Conductive Tape 45mm *25mm *0.08mm |  |

|       |                   |                                         |  |
|-------|-------------------|-----------------------------------------|--|
|       | N52G 1211002 HB   | Conductive Tape 90mm *24mm *0.06mm      |  |
|       | 080G L19 6HIC     | POWER BOARD                             |  |
|       | 089G176W 15502    | FFC (Keypad)                            |  |
|       | 089G176J 36N00    | FFC CABLE 36P 103MM/32-D011012          |  |
|       | BIOS19R00701      | RTD2554V_CMO_RSDS_A_V009, checksum 0XB6 |  |
|       | N45G 88606012 DS  | pe bag for base                         |  |
|       | N33G0076NA7 1P FJ | LENS 40-D022640                         |  |
|       | N33G0077 NV 1B FJ | KEYPAD 40-D022635                       |  |
|       | N34G0173 ZK 1B FJ | DECORATION 40-D022642                   |  |
|       | N34G0174 ZK 1B FJ | BEZEL 40-D019531                        |  |
|       | N33G0035 1P       | LENS 40-D018272                         |  |
|       | N33G0034 ZN 1B    | KEYPAD 40-D018263                       |  |
|       | N34G0078 ZNA1B    | DECORATION 40-D018267                   |  |
|       | N34G0077 ZK 1B    | BEZEL 40-D018270 BEZEL                  |  |
| CN5   | 033G801915T H     | CONNECTOR                               |  |
| CN701 | 033G8022 10 H CMO | HEADER FEMALE 10P 2.5PITCH              |  |
| CN1   | 088G 35315F H     | D-SUB 15PIN                             |  |
| C26   | 067G305V100 3     | 105℃ 10UF +-20% 16V                     |  |
| C29   | 067G305V100 3     | 105℃ 10UF +-20% 16V                     |  |
|       | SMTCRRLVSQ2       | MAIN BOARD                              |  |
|       | 040G 45762412B    | CBPC LABEL                              |  |
| C71   | 067G305V101 4P    | CAP 105C 100UF M 25V 6.3*11             |  |
| C63   | 067G305V101 4P    | CAP 105C 100UF M 25V 6.3*11             |  |
| C15   | 067G305V101 4P    | CAP 105C 100UF M 25V 6.3*11             |  |
| C59   | 067G305V101 4P    | CAP 105C 100UF M 25V 6.3*11             |  |
| CN6   | 033G801936Y H HC  | 0.5 PITCH 36P SMT FPC CONN              |  |
| CN4   | 033G801936Y H HC  | 0.5 PITCH 36P SMT FPC CONN              |  |
| U6    | 056G 562578CMO    | IC,Scaler,RTD2554VH-GR,QFP-128          |  |
| U10   | 056G 563 52       | IC AP1117D33L-13 TO252-3L DIODES        |  |
| U8    | 056G 563 52       | IC AP1117D33L-13 TO252-3L DIODES        |  |
| U9    | 056G 563113       | IC G1117-18T63Uf 1A/1.8V SOT-223        |  |
| U3    | 056G1125701 X     | IC MCU RTD2120L-LF REALTEK              |  |
| Q6    | 057G 417517       | LMBT3906LT1G SOT-23 BY LRC              |  |
| Q4    | 057G 417517       | LMBT3906LT1G SOT-23 BY LRC              |  |
| Q1    | 057G 759 2A       | TANSISTOR 2N7002 SOT-23                 |  |
| Q3    | 057G 759 2A       | TANSISTOR 2N7002 SOT-23                 |  |
| Q5    | 057G 759 2A       | TANSISTOR 2N7002 SOT-23                 |  |
| Q10   | 057G 763 59       | FET BSS84 -0.13A/-50V SOT-23            |  |
| Q8    | 057G 763 59       | FET BSS84 -0.13A/-50V SOT-23            |  |

|      |                |                              |  |
|------|----------------|------------------------------|--|
| R29  | 061G0402000    | RST CHIP MAX 0R05 1/16W      |  |
| R136 | 061G0402100 0F | RST CHIPR 100 OHM +-1% 1/16W |  |
| R72  | 061G0402101    | RST CHIPR 100 OHM +-5% 1/16W |  |
| R69  | 061G0402101    | RST CHIPR 100 OHM +-5% 1/16W |  |
| R63  | 061G0402101    | RST CHIPR 100 OHM +-5% 1/16W |  |
| R61  | 061G0402101    | RST CHIPR 100 OHM +-5% 1/16W |  |
| R57  | 061G0402101    | RST CHIPR 100 OHM +-5% 1/16W |  |
| R56  | 061G0402101    | RST CHIPR 100 OHM +-5% 1/16W |  |
| R55  | 061G0402101    | RST CHIPR 100 OHM +-5% 1/16W |  |
| R52  | 061G0402101    | RST CHIPR 100 OHM +-5% 1/16W |  |
| R39  | 061G0402101    | RST CHIPR 100 OHM +-5% 1/16W |  |
| R38  | 061G0402101    | RST CHIPR 100 OHM +-5% 1/16W |  |
| R78  | 061G0402101    | RST CHIPR 100 OHM +-5% 1/16W |  |
| R76  | 061G0402102    | RST CHIPR 1 KOHM +-5% 1/16W  |  |
| R70  | 061G0402102    | RST CHIPR 1 KOHM +-5% 1/16W  |  |
| R21  | 061G0402102    | RST CHIPR 1 KOHM +-5% 1/16W  |  |
| R105 | 061G0402102    | RST CHIPR 1 KOHM +-5% 1/16W  |  |
| R95  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W |  |
| R89  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W |  |
| R71  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W |  |
| R44  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W |  |
| R43  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W |  |
| R42  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W |  |
| R41  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W |  |
| R40  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W |  |
| R32  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W |  |
| R23  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W |  |
| R18  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W |  |
| R17  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W |  |
| R16  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W |  |
| R15  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W |  |
| R14  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W |  |
| R13  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W |  |
| R12  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W |  |
| R137 | 061G0402152    | RST CHIP 1K5 1/16W 5%        |  |
| R36  | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W  |  |
| R37  | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W  |  |
| R62  | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W  |  |
| R64  | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W  |  |
| R68  | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W  |  |

|      |                |                                    |  |
|------|----------------|------------------------------------|--|
| R7   | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R8   | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R9   | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R91  | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R35  | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R20  | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R19  | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R11  | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R94  | 061G0402221    | RST CHIPR 220 OHM +-5% 1/16W       |  |
| R88  | 061G0402221    | RST CHIPR 220 OHM +-5% 1/16W       |  |
| R113 | 061G0402222    | RST CHIPR 2.2 KOHM +-5% 1/16W      |  |
| R5   | 061G0402222    | RST CHIPR 2.2 KOHM +-5% 1/16W      |  |
| R4   | 061G0402222    | RST CHIPR 2.2 KOHM +-5% 1/16W      |  |
| R114 | 061G0402222    | RST CHIPR 2.2 KOHM +-5% 1/16W      |  |
| R115 | 061G0402240 1F | RST CHIPR 0402 2.4K OHM +-1% 1/16W |  |
| R73  | 061G0402303    | RST CHIPR 30 KOHM +-5% 1/16W       |  |
| R99  | 061G0402330    | RST CHIPR 33 OHM +-5% 1/16W        |  |
| R98  | 061G0402330    | RST CHIPR 33 OHM +-5% 1/16W        |  |
| R97  | 061G0402330    | RST CHIPR 33 OHM +-5% 1/16W        |  |
| R104 | 061G0402330    | RST CHIPR 33 OHM +-5% 1/16W        |  |
| R103 | 061G0402330    | RST CHIPR 33 OHM +-5% 1/16W        |  |
| R102 | 061G0402330    | RST CHIPR 33 OHM +-5% 1/16W        |  |
| R101 | 061G0402330    | RST CHIPR 33 OHM +-5% 1/16W        |  |
| R100 | 061G0402330    | RST CHIPR 33 OHM +-5% 1/16W        |  |
| R77  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W      |  |
| R79  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W      |  |
| R80  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W      |  |
| R90  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W      |  |
| R96  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W      |  |
| R75  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W      |  |
| R74  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W      |  |
| R31  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W      |  |
| R27  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W      |  |
| R26  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W      |  |
| R116 | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W      |  |
| R67  | 061G0402750    | RST CHIPR 75 OHM +-5% 1/16W        |  |
| R59  | 061G0402750    | RST CHIPR 75 OHM +-5% 1/16W        |  |
| R53  | 061G0402750    | RST CHIPR 75 OHM +-5% 1/16W        |  |
| B11  | 061G0805000    | RST CHIP MAX 0R05 1/8W             |  |
| D26  | 061G1206000    | RST CHIP MAX 0R05 1/4W             |  |

|     |                |                                  |  |
|-----|----------------|----------------------------------|--|
| D23 | 061G1206000    | RST CHIP MAX 0R05 1/4W           |  |
| C70 | 065G0402104 12 | CAP CHIP 0402 0.1UF 16V X7R      |  |
| C47 | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V    |  |
| C46 | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V    |  |
| C48 | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V    |  |
| C74 | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V    |  |
| C49 | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V    |  |
| C45 | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V    |  |
| C41 | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V    |  |
| C40 | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V    |  |
| C38 | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V    |  |
| C37 | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V    |  |
| C36 | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V    |  |
| C35 | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V    |  |
| C32 | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V    |  |
| C24 | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V    |  |
| C23 | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V    |  |
| C50 | 065G0402120 31 | CAP CHIP 0402 12P 50V NPO        |  |
| C20 | 065G0402220 31 | CHIP 22PF 50V NPO                |  |
| C21 | 065G0402220 31 | CHIP 22PF 50V NPO                |  |
| C44 | 065G0402220 31 | CHIP 22PF 50V NPO                |  |
| C25 | 065G0402473 17 | CAP CHIP 0402 47nF K 16V Y5V     |  |
| C28 | 065G0402473 17 | CAP CHIP 0402 47nF K 16V Y5V     |  |
| C30 | 065G0402473 17 | CAP CHIP 0402 47nF K 16V Y5V     |  |
| C31 | 065G0402473 17 | CAP CHIP 0402 47nF K 16V Y5V     |  |
| C34 | 065G0402473 17 | CAP CHIP 0402 47nF K 16V Y5V     |  |
| C39 | 065G0402473 17 | CAP CHIP 0402 47nF K 16V Y5V     |  |
| C43 | 065G0402473 17 | CAP CHIP 0402 47nF K 16V Y5V     |  |
| C19 | 065G0603330 31 | CER1 0603 NP0 50V 33P PM         |  |
| C16 | 065G0805105 22 | CAP CHIP 0805 1uF K 25V X7R      |  |
| C17 | 065G1206106 17 | MLCC 10 UF Z 16V Y5V             |  |
| FB1 | 071G 42U100 TS | CHIP BEAD 0402 10ohm+-25% 0.5A   |  |
| FB2 | 071G 42U100 TS | CHIP BEAD 0402 10ohm+-25% 0.5A   |  |
| FB3 | 071G 42U100 TS | CHIP BEAD 0402 10ohm+-25% 0.5A   |  |
| R46 | 071G 59M121 Y  | CHIP BEAD 0603 120ohm+-25% 0.35A |  |
| L4  | 071G 59S221 M  | CHIP BEAD 0603 220ohm+-25% 2A    |  |
| L3  | 071G 59S221 M  | CHIP BEAD 0603 220ohm+-25% 2A    |  |
| L2  | 071G 59S221 M  | CHIP BEAD 0603 220ohm+-25% 2A    |  |
| L1  | 071G 59S221 M  | CHIP BEAD 0603 220ohm+-25% 2A    |  |
| B5  | 071G 59U601 TS | CHIP BEAD 0603 600ohm+-25% 0.2A  |  |

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|-----|----------------|----------------------------------------|--|
| B4  | 071G 59U601 TS | CHIP BEAD 0603 600ohm+-25% 0.2A        |  |
| B12 | 071G 59U601 TS | CHIP BEAD 0603 600ohm+-25% 0.2A        |  |
| B10 | 071G 59U601 TS | CHIP BEAD 0603 600ohm+-25% 0.2A        |  |
| Y1  | 093G 22S509CMO | Crystal SMD-49,24MHz,30pF H=4.1 mm CMO |  |
| D19 | 093G 64S503CMO | BAV70W,SOT-323(SC-70),Pan Jit CMO      |  |
| D14 | 093G 64S503CMO | BAV70W,SOT-323(SC-70),Pan Jit CMO      |  |
| D27 | 093G 64S523SEM | DIODE 1N4148WS SEMTECH                 |  |
| D28 | 093G 64S523SEM | DIODE 1N4148WS SEMTECH                 |  |
| D18 | 093G3004 3     | SM340A                                 |  |
| D29 | 093G3004 3     | SM340A                                 |  |
|     | 715G3279 2     | MAIN PCB FR-4 105X80X1.0mm DS          |  |
|     | SMTKEPC7QO1    | KEY BOARD FOR SMT                      |  |
| CN1 | 033G8019 2CMO  | CONN.25-D000187                        |  |
| SW1 | 077G 606501 CJ | TACT SWITCH                            |  |
| SW2 | 077G 606501 CJ | TACT SWITCH                            |  |
| SW3 | 077G 606501 CJ | TACT SWITCH                            |  |
| SW4 | 077G 606501 CJ | TACT SWITCH                            |  |
| SW5 | 077G 606501 CJ | TACT SWITCH                            |  |
| D1  | 081G 63O 1 GP  | LED GPTS0603OC3-PB                     |  |
| D2  | 081G0603 B GP  | LED GPTS06033BC1 GP                    |  |
|     | 715G3032 1     | KEY PCB FR-4 76x11.8x1.0mm DS          |  |
| CN1 | 033G8019 2JCMO | CONNECTOR 1.0pitch SMT 15p             |  |

## T96MRYDDIWVWNND

| Location | Part No.           | Description                            | Remark |
|----------|--------------------|----------------------------------------|--------|
|          |                    | PANELA190A2 90 CMO                     |        |
|          | 750GLM90KA212C000Q | CONSIGN/SJ0A121D01                     |        |
|          | N15G0009 1 ZA      | Support plate 41-D018266               |        |
|          | 0Q1G 330 5120      | SCREW 42-D003574                       |        |
|          | 0M1G4340 10120     | SCREW 42A9940013                       |        |
|          | P45G 77001         | Enlace film                            |        |
|          | N45G 52001         | PE SHEET                               |        |
|          | N45G 88607005 HQ   | PE BAG 78-D018384                      |        |
|          | N44G9007 1 DD      | CUSHION BOTTOM 78-D018484              |        |
|          | N44G9007 2 DD      | CUSHION TOP 78-D018485                 |        |
|          | 0M1G1740 8120      | SCREW FOR STD/MF 42-D020715/42-D000649 |        |
|          | 0M1G 330 4120      | SCREW 42A9930008                       |        |
|          | 002G6008 2         | SCREW 42-D015647                       |        |
|          | N52G6020002 HB     | panel protector film                   |        |
|          | N85G0006 1 JZ      | COVER AD                               |        |

|  |                    |                                    |  |
|--|--------------------|------------------------------------|--|
|  | N52G 2191 01       | TAPE /7345911004                   |  |
|  | N52G 1VSC002 HY    | Security Tape- 7345511002          |  |
|  | N40G000196868A     | S/N LABEL                          |  |
|  | N40G0001968 2A     | S/N LABEL 7741513161               |  |
|  | N44G9003185        | CORNER PAPER 7841595111/78-D004862 |  |
|  | N44G9003 80        | CORNER PAPER 78-D004868            |  |
|  | N07G0004 1 RW      | PALLET 78-D003113                  |  |
|  | N44G9003 90        | CORNER PAPER 7841795141            |  |
|  | N44G9007968 2A     | CARTON FOR China- 78-D018443       |  |
|  | 050G 600 1 W       | WHITE STRAP                        |  |
|  | N44G9007VSC 1A     | Shipping Draw- 79-D018282          |  |
|  | N40G000296823A     | HG LABEL- 77-D022377               |  |
|  | N40G000196855A     | CARTON LABEL                       |  |
|  | 089G 728HAA DB     | D-SUB CABLE                        |  |
|  | N40G000296838A     | Energy Star Label                  |  |
|  | 750GLM90KA292C000Q | PANEL A190A2 CMO/SJ0A12AD01        |  |
|  | CBPCRRRLVSQ4       | CONVERSION BOARD                   |  |
|  | KEPC8QS6           | KEY BOARD                          |  |
|  | N41G900296833A     | MANUAL                             |  |
|  | F40G 19N96839A     | SAFETY LABEL                       |  |
|  | N40G000296810A     | LABEL HI-POT-PASS 77-D005237       |  |
|  | EDIDVSC19A011      | CHECKSUM 0XCB                      |  |
|  | N52G6032 17001 HB  | mylar                              |  |
|  | 705GN834407 FJ     | Bezel Ass'y 40-D019525             |  |
|  | N34G0079 ZK 1B CM  | COVER HINGE 40-D018256             |  |
|  | N34G0162 NB 1B YJ  | SEAT 40-D018269                    |  |
|  | N34G0081 ZK 1B CM  | STAND FRONT 40-D018260             |  |
|  | N34G0082 ZK 1B CM  | STAND_BACK 40-D018271              |  |
|  | N34G0083 ZK 1B CM  | STAND HOLDER 40-D018273            |  |
|  | N12G6300003 SX     | RUBBER_CAP 40-D000227              |  |
|  | 705GN834417 CM     | BEZEL ASS'Y 40-D018240             |  |
|  | N23G3155709 1A     | VIEWSONIC NAME PLATE 77-D000224    |  |
|  | N23G3178712 1A     | VSC-BIRD-LOGO 77-D020778           |  |
|  | N34G0092 ZK 1B FJ  | COVER_HINGE 40-D022638             |  |
|  | N15G0010 1 FH      | SEAT_PLATE 41-D018262              |  |
|  | 0Q1G 130 8120      | SCREW 42A9930011                   |  |
|  | N12G6300002 SX     | RUBBER 40A1769201                  |  |
|  | N37G0028 1 CX      | HINGE 41-D018268                   |  |
|  | N34G0163 NB 1B FJ  | STAND HOLDER 40-D022637            |  |
|  | 0Q1G 330 10120     | SCREW FOR FP/RC 42-D003792         |  |

|       |                   |                                             |  |
|-------|-------------------|---------------------------------------------|--|
|       | N34G0164 NB 1B FJ | .TAND_BACK 40-D022641                       |  |
|       | N34G0165 NB 1B FJ | STAND_FRONT 40-D022636                      |  |
|       | N34G0091 ZK 1B    | REAR 40-D018254                             |  |
|       | N34G0162 NB 1B FJ | SEAT 40-D022639                             |  |
|       | 089G 728GAA DB    | D-SUB CABLE                                 |  |
|       | 089G414A18N YH    | POWER CORD(32E1818021)                      |  |
|       | 089G414A18N IS    | POWER CORD 32E1818021                       |  |
|       | N40G000296813B ZA | QC PASS LABEL                               |  |
|       | F40G000296821A ZA | Supplier label                              |  |
|       | N40G000296811C ZA | Customer label on Carton                    |  |
|       | N41G780P968 1A    | WARRANTY CARD- 78-D021250                   |  |
|       | 052G 1207 A       | Conductive Tape 45mm *25mm *0.08mm          |  |
|       | N52G 1211002 HB   | Conductive Tape 90mm *24mm *0.06mm          |  |
|       | 080G L19 6HIC     | POWER BOARD                                 |  |
|       | 089G176W 15502    | FFC (Keypad)                                |  |
|       | 089G176J 36N00    | FFC CABLE 36P 103MM/32-D011012              |  |
|       | BIOS19R00701      | RTD2554V_CMO_RSIDS_A_V009, checksum<br>0XB6 |  |
|       | N45G 88606012 DS  | pe bag for base                             |  |
|       | N33G0076NA7 1P FJ | LENS 40-D022640                             |  |
|       | N33G0077 NV 1B FJ | KEYPAD 40-D022635                           |  |
|       | N34G0173 ZK 1B FJ | DECORATION 40-D022642                       |  |
|       | N34G0174 ZK 1B FJ | BEZEL 40-D019531                            |  |
|       | N33G0035 1P       | LENS 40-D018272                             |  |
|       | N33G0034 ZN 1B    | KEYPAD 40-D018263                           |  |
|       | N34G0078 ZNA1B    | DECORATION 40-D018267                       |  |
|       | N34G0077 ZK 1B    | BEZEL 40-D018270 BEZEL                      |  |
| CN5   | 033G801915T H     | CONNECTOR                                   |  |
| CN701 | 033G8022 10 H CMO | HEADER FEMALE 10P 2.5PITCH                  |  |
| CN1   | 088G 35315F H     | D-SUB 15PIN                                 |  |
| C26   | 067G305V100 3     | 105℃ 10UF +-20% 16V                         |  |
| C29   | 067G305V100 3     | 105℃ 10UF +-20% 16V                         |  |
|       | SMTCRRLVSQ2       | MAIN BOARD                                  |  |
|       | 040G 45762412B    | CBPC LABEL                                  |  |
| C71   | 067G305V101 4P    | CAP 105C 100UF M 25V 6.3*11                 |  |
| C63   | 067G305V101 4P    | CAP 105C 100UF M 25V 6.3*11                 |  |
| C15   | 067G305V101 4P    | CAP 105C 100UF M 25V 6.3*11                 |  |
| C59   | 067G305V101 4P    | CAP 105C 100UF M 25V 6.3*11                 |  |
| CN6   | 033G801936Y H HC  | 0.5 PITCH 36P SMT FPC CONN                  |  |
| CN4   | 033G801936Y H HC  | 0.5 PITCH 36P SMT FPC CONN                  |  |

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|------|----------------|----------------------------------|--|
| U6   | 056G 562578CMO | IC,Scaler,RTD2554VH-GR,QFP-128   |  |
| U10  | 056G 563 52    | IC AP1117D33L-13 TO252-3L DIODES |  |
| U8   | 056G 563 52    | IC AP1117D33L-13 TO252-3L DIODES |  |
| U9   | 056G 563113    | IC G1117-18T63Uf 1A/1.8V SOT-223 |  |
| U3   | 056G1125701 X  | IC MCU RTD2120L-LF REALTEK       |  |
| Q6   | 057G 417517    | LMBT3906LT1G SOT-23 BY LRC       |  |
| Q4   | 057G 417517    | LMBT3906LT1G SOT-23 BY LRC       |  |
| Q1   | 057G 759 2A    | TANSISTOR 2N7002 SOT-23          |  |
| Q3   | 057G 759 2A    | TANSISTOR 2N7002 SOT-23          |  |
| Q5   | 057G 759 2A    | TANSISTOR 2N7002 SOT-23          |  |
| Q10  | 057G 763 59    | FET BSS84 -0.13A/-50V SOT-23     |  |
| Q8   | 057G 763 59    | FET BSS84 -0.13A/-50V SOT-23     |  |
| R29  | 061G0402000    | RST CHIP MAX 0R05 1/16W          |  |
| R136 | 061G0402100 0F | RST CHIPR 100 OHM +-1% 1/16W     |  |
| R72  | 061G0402101    | RST CHIPR 100 OHM +-5% 1/16W     |  |
| R69  | 061G0402101    | RST CHIPR 100 OHM +-5% 1/16W     |  |
| R63  | 061G0402101    | RST CHIPR 100 OHM +-5% 1/16W     |  |
| R61  | 061G0402101    | RST CHIPR 100 OHM +-5% 1/16W     |  |
| R57  | 061G0402101    | RST CHIPR 100 OHM +-5% 1/16W     |  |
| R56  | 061G0402101    | RST CHIPR 100 OHM +-5% 1/16W     |  |
| R55  | 061G0402101    | RST CHIPR 100 OHM +-5% 1/16W     |  |
| R52  | 061G0402101    | RST CHIPR 100 OHM +-5% 1/16W     |  |
| R39  | 061G0402101    | RST CHIPR 100 OHM +-5% 1/16W     |  |
| R38  | 061G0402101    | RST CHIPR 100 OHM +-5% 1/16W     |  |
| R78  | 061G0402101    | RST CHIPR 100 OHM +-5% 1/16W     |  |
| R76  | 061G0402102    | RST CHIPR 1 KOHM +-5% 1/16W      |  |
| R70  | 061G0402102    | RST CHIPR 1 KOHM +-5% 1/16W      |  |
| R21  | 061G0402102    | RST CHIPR 1 KOHM +-5% 1/16W      |  |
| R105 | 061G0402102    | RST CHIPR 1 KOHM +-5% 1/16W      |  |
| R95  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W     |  |
| R89  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W     |  |
| R71  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W     |  |
| R44  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W     |  |
| R43  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W     |  |
| R42  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W     |  |
| R41  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W     |  |
| R40  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W     |  |
| R32  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W     |  |
| R23  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W     |  |
| R18  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W     |  |

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| R17  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W       |  |
| R16  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W       |  |
| R15  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W       |  |
| R14  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W       |  |
| R13  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W       |  |
| R12  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W       |  |
| R137 | 061G0402152    | RST CHIP 1K5 1/16W 5%              |  |
| R36  | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R37  | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R62  | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R64  | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R68  | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R7   | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R8   | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R9   | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R91  | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R35  | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R20  | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R19  | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R11  | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R94  | 061G0402221    | RST CHIPR 220 OHM +-5% 1/16W       |  |
| R88  | 061G0402221    | RST CHIPR 220 OHM +-5% 1/16W       |  |
| R113 | 061G0402222    | RST CHIPR 2.2 KOHM +-5% 1/16W      |  |
| R5   | 061G0402222    | RST CHIPR 2.2 KOHM +-5% 1/16W      |  |
| R4   | 061G0402222    | RST CHIPR 2.2 KOHM +-5% 1/16W      |  |
| R114 | 061G0402222    | RST CHIPR 2.2 KOHM +-5% 1/16W      |  |
| R115 | 061G0402240 1F | RST CHIPR 0402 2.4K OHM +-1% 1/16W |  |
| R73  | 061G0402303    | RST CHIPR 30 KOHM +-5% 1/16W       |  |
| R99  | 061G0402330    | RST CHIPR 33 OHM +-5% 1/16W        |  |
| R98  | 061G0402330    | RST CHIPR 33 OHM +-5% 1/16W        |  |
| R97  | 061G0402330    | RST CHIPR 33 OHM +-5% 1/16W        |  |
| R104 | 061G0402330    | RST CHIPR 33 OHM +-5% 1/16W        |  |
| R103 | 061G0402330    | RST CHIPR 33 OHM +-5% 1/16W        |  |
| R102 | 061G0402330    | RST CHIPR 33 OHM +-5% 1/16W        |  |
| R101 | 061G0402330    | RST CHIPR 33 OHM +-5% 1/16W        |  |
| R100 | 061G0402330    | RST CHIPR 33 OHM +-5% 1/16W        |  |
| R77  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W      |  |
| R79  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W      |  |
| R80  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W      |  |
| R90  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W      |  |

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|------|----------------|-------------------------------|--|
| R96  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W |  |
| R75  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W |  |
| R74  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W |  |
| R31  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W |  |
| R27  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W |  |
| R26  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W |  |
| R116 | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W |  |
| R67  | 061G0402750    | RST CHIPR 75 OHM +-5% 1/16W   |  |
| R59  | 061G0402750    | RST CHIPR 75 OHM +-5% 1/16W   |  |
| R53  | 061G0402750    | RST CHIPR 75 OHM +-5% 1/16W   |  |
| B11  | 061G0805000    | RST CHIP MAX 0R05 1/8W        |  |
| D26  | 061G1206000    | RST CHIP MAX 0R05 1/4W        |  |
| D23  | 061G1206000    | RST CHIP MAX 0R05 1/4W        |  |
| C70  | 065G0402104 12 | CAP CHIP 0402 0.1UF 16V X7R   |  |
| C47  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V |  |
| C46  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V |  |
| C48  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V |  |
| C74  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V |  |
| C49  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V |  |
| C45  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V |  |
| C41  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V |  |
| C40  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V |  |
| C38  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V |  |
| C37  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V |  |
| C36  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V |  |
| C35  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V |  |
| C32  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V |  |
| C24  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V |  |
| C23  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V |  |
| C50  | 065G0402120 31 | CAP CHIP 0402 12P 50V NPO     |  |
| C20  | 065G0402220 31 | CHIP 22PF 50V NPO             |  |
| C21  | 065G0402220 31 | CHIP 22PF 50V NPO             |  |
| C44  | 065G0402220 31 | CHIP 22PF 50V NPO             |  |
| C25  | 065G0402473 17 | CAP CHIP 0402 47nF K 16V Y5V  |  |
| C28  | 065G0402473 17 | CAP CHIP 0402 47nF K 16V Y5V  |  |
| C30  | 065G0402473 17 | CAP CHIP 0402 47nF K 16V Y5V  |  |
| C31  | 065G0402473 17 | CAP CHIP 0402 47nF K 16V Y5V  |  |
| C34  | 065G0402473 17 | CAP CHIP 0402 47nF K 16V Y5V  |  |
| C39  | 065G0402473 17 | CAP CHIP 0402 47nF K 16V Y5V  |  |
| C43  | 065G0402473 17 | CAP CHIP 0402 47nF K 16V Y5V  |  |

|     |                |                                        |  |
|-----|----------------|----------------------------------------|--|
| C19 | 065G0603330 31 | CER1 0603 NP0 50V 33P PM               |  |
| C16 | 065G0805105 22 | CAP CHIP 0805 1uF K 25V X7R            |  |
| C17 | 065G1206106 17 | MLCC 10 UF Z 16V Y5V                   |  |
| FB1 | 071G 42U100 TS | CHIP BEAD 0402 10ohm+-25% 0.5A         |  |
| FB2 | 071G 42U100 TS | CHIP BEAD 0402 10ohm+-25% 0.5A         |  |
| FB3 | 071G 42U100 TS | CHIP BEAD 0402 10ohm+-25% 0.5A         |  |
| R46 | 071G 59M121 Y  | CHIP BEAD 0603 120ohm+-25% 0.35A       |  |
| L4  | 071G 59S221 M  | CHIP BEAD 0603 220ohm+-25% 2A          |  |
| L3  | 071G 59S221 M  | CHIP BEAD 0603 220ohm+-25% 2A          |  |
| L2  | 071G 59S221 M  | CHIP BEAD 0603 220ohm+-25% 2A          |  |
| L1  | 071G 59S221 M  | CHIP BEAD 0603 220ohm+-25% 2A          |  |
| B5  | 071G 59U601 TS | CHIP BEAD 0603 600ohm+-25% 0.2A        |  |
| B4  | 071G 59U601 TS | CHIP BEAD 0603 600ohm+-25% 0.2A        |  |
| B12 | 071G 59U601 TS | CHIP BEAD 0603 600ohm+-25% 0.2A        |  |
| B10 | 071G 59U601 TS | CHIP BEAD 0603 600ohm+-25% 0.2A        |  |
| Y1  | 093G 22S509CMO | Crystal SMD-49,24MHz,30pF H=4.1 mm CMO |  |
| D19 | 093G 64S503CMO | BAV70W,SOT-323(SC-70),Pan Jit CMO      |  |
| D14 | 093G 64S503CMO | BAV70W,SOT-323(SC-70),Pan Jit CMO      |  |
| D27 | 093G 64S523SEM | DIODE 1N4148WS SEMTECH                 |  |
| D28 | 093G 64S523SEM | DIODE 1N4148WS SEMTECH                 |  |
| D18 | 093G3004 3     | SM340A                                 |  |
| D29 | 093G3004 3     | SM340A                                 |  |
|     | 715G3279 2     | MAIN PCB FR-4 105X80X1.0mm DS          |  |
|     | SMTKEPC7QO1    | KEY BOARD FOR SMT                      |  |
| CN1 | 033G8019 2CMO  | CONN.25-D000187                        |  |
| SW1 | 077G 606501 CJ | TACT SWITCH                            |  |
| SW2 | 077G 606501 CJ | TACT SWITCH                            |  |
| SW3 | 077G 606501 CJ | TACT SWITCH                            |  |
| SW4 | 077G 606501 CJ | TACT SWITCH                            |  |
| SW5 | 077G 606501 CJ | TACT SWITCH                            |  |
| D1  | 081G 63O 1 GP  | LED GPTS0603OC3-PB                     |  |
| D2  | 081G0603 B GP  | LED GPTS06033BC1 GP                    |  |
|     | 715G3032 1     | KEY PCB FR-4 76x11.8x1.0mm DS          |  |
| CN1 | 033G8019 2JCMO | CONNECTOR 1.0pitch SMT 15p             |  |

## T96MRYDDIWVWNNN

| Location | Part No.           | Description                              | Remark |
|----------|--------------------|------------------------------------------|--------|
|          | 750GLM90KA212C000Q | PANELA190A2 90 CMO<br>CONSIGN/SJ0A121D01 |        |
|          | N15G0009 1 ZA      | Support plate 41-D018266                 |        |

|  |                    |                                        |  |
|--|--------------------|----------------------------------------|--|
|  | 0Q1G 330 5120      | SCREW 42-D003574                       |  |
|  | 0M1G4340 10120     | SCREW 42A9940013                       |  |
|  | P45G 77001         | Enlace film                            |  |
|  | N45G 52001         | PE SHEET                               |  |
|  | N45G 88607005 HQ   | PE BAG 78-D018384                      |  |
|  | N44G9007 1 DD      | CUSHION BOTTOM 78-D018484              |  |
|  | N44G9007 2 DD      | CUSHION TOP 78-D018485                 |  |
|  | 0M1G1740 8120      | SCREW FOR STD/MF 42-D020715/42-D000649 |  |
|  | 0M1G 330 4120      | SCREW 42A9930008                       |  |
|  | 002G6008 2         | SCREW 42-D015647                       |  |
|  | N52G6020002 HB     | panel protector film                   |  |
|  | N85G0006 1 JZ      | COVER AD                               |  |
|  | N52G 2191 01       | TAPE /7345911004                       |  |
|  | N52G 1VSC002 HY    | Security Tape- 7345511002              |  |
|  | N40G000196868A     | S/N LABEL                              |  |
|  | N40G0001968 2A     | S/N LABEL 7741513161                   |  |
|  | N44G9003185        | CORNER PAPER 7841595111/78-D004862     |  |
|  | N44G9003 80        | CORNER PAPER 78-D004868                |  |
|  | N07G0004 1 RW      | PALLET 78-D003113                      |  |
|  | N44G9003 90        | CORNER PAPER 7841795141                |  |
|  | N44G9007968 2A     | CARTON FOR China- 78-D018443           |  |
|  | 050G 600 1 W       | WHITE STRAP                            |  |
|  | N44G9007VSC 1A     | Shipping Draw- 79-D018282              |  |
|  | N40G000296823A     | HG LABEL- 77-D022377                   |  |
|  | N40G000196855A     | CARTON LABEL                           |  |
|  | 089G 728HAA DB     | D-SUB CABLE                            |  |
|  | N40G000296838A     | Energy Star Label                      |  |
|  | 750GLM90KA292C000Q | PANEL A190A2 CMO/SJ0A12AD01            |  |
|  | CBPCRRRLVSQ4       | CONVERSION BOARD                       |  |
|  | KEPC8QS6           | KEY BOARD                              |  |
|  | N41G900296833A     | MANUAL                                 |  |
|  | N40G 19N96839A     | SAFETY LABEL                           |  |
|  | N40G000296810A     | LABEL HI-POT-PASS 77-D005237           |  |
|  | EDIDVSC19A011      | CHECKSUM 0XCB                          |  |
|  | N52G6032 17001 HB  | mylar                                  |  |
|  | 705GN834407 FJ     | Bezel Ass'y 40-D019525                 |  |
|  | N34G0079 ZK 1B CM  | COVER HINGE 40-D018256                 |  |
|  | N34G0162 NB 1B YJ  | SEAT 40-D018269                        |  |
|  | N34G0081 ZK 1B CM  | STAND FRONT 40-D018260                 |  |
|  | N34G0082 ZK 1B CM  | STAND_BACK 40-D018271                  |  |

|     |                   |                                         |  |
|-----|-------------------|-----------------------------------------|--|
|     | N34G0083 ZK 1B CM | STAND_HOLDER 40-D018273                 |  |
|     | N12G6300003 SX    | RUBBER_CAP 40-D000227                   |  |
|     | 705GN834417 CM    | BEZEL ASS'Y 40-D018240                  |  |
|     | N23G3155709 1A    | VIEWSONIC NAME PLATE 77-D000224         |  |
|     | N23G3178712 1A    | VSC-BIRD-LOGO 77-D020778                |  |
|     | N34G0092 ZK 1B FJ | COVER_HINGE 40-D022638                  |  |
|     | N15G0010 1 FH     | SEAT_PLATE 41-D018262                   |  |
|     | 0Q1G 130 8120     | SCREW 42A9930011                        |  |
|     | N12G6300002 SX    | RUBBER 40A1769201                       |  |
|     | N37G0028 1 CX     | HINGE 41-D018268                        |  |
|     | N34G0163 NB 1B FJ | STAND_HOLDER 40-D022637                 |  |
|     | 0Q1G 330 10120    | SCREW FOR FP/RC 42-D003792              |  |
|     | N34G0164 NB 1B FJ | STAND_BACK 40-D022641                   |  |
|     | N34G0165 NB 1B FJ | STAND_FRONT 40-D022636                  |  |
|     | N34G0091 ZK 1B    | REAR 40-D018254                         |  |
|     | N34G0162 NB 1B FJ | SEAT 40-D022639                         |  |
|     | 089G 728GAA DB    | D-SUB CABLE                             |  |
|     | 089G414A18N YH    | POWER CORD(32E1818021)(中規)              |  |
|     | 089G414A18N IS    | POWER CORD 32E1818021(与 TPV 共用)         |  |
|     | N40G000296813B ZA | QC PASS LABEL                           |  |
|     | N40G000296821A ZA | Supplier label                          |  |
|     | N40G000296811C ZA | Customer label on Carton                |  |
|     | N41G780P968 1A    | WARRANTY CARD- 78-D021250               |  |
|     | 052G 1207 A       | Conductive Tape 45mm *25mm *0.08mm (单导) |  |
|     | N52G 1211002 HB   | Conductive Tape 90mm *24mm *0.06mm(单导)  |  |
|     | 080G L19 6HIC     | POWER BOARD                             |  |
|     | 089G176W 15502    | FFC (Keypad)                            |  |
|     | 089G176J 36N00    | FFC CABLE 36P 103MM/32-D011012          |  |
|     | BIOS19R00701      | RTD2554V_CMO_RSDS_A_V009, checksum 0XB6 |  |
|     | N45G 88606012 DS  | pe bag for base                         |  |
|     | N33G0076NA7 1P FJ | LENS 40-D022640                         |  |
|     | N33G0077 NV 1B FJ | KEYPAD 40-D022635                       |  |
|     | N34G0173 ZK 1B FJ | DECORATION 40-D022642                   |  |
|     | N34G0174 ZK 1B FJ | BEZEL 40-D019531                        |  |
|     | N33G0035 1P       | LENS 40-D018272                         |  |
|     | N33G0034 ZN 1B    | KEYPAD 40-D018263                       |  |
|     | N34G0078 ZNA1B    | DECORATION 40-D018267                   |  |
|     | N34G0077 ZK 1B    | BEZEL 40-D018270 BEZEL                  |  |
| CN5 | 033G801915T H     | CONNECTOR                               |  |

|       |                   |                                  |  |
|-------|-------------------|----------------------------------|--|
| CN701 | 033G8022 10 H CMO | HEADER FEMALE 10P 2.5PITCH       |  |
| CN1   | 088G 35315F H     | D-SUB 15PIN                      |  |
| C26   | 067G305V100 3     | 105°C10UF +-20% 16V              |  |
| C29   | 067G305V100 3     | 105°C 10UF +-20% 16V             |  |
|       | SMTCRRLVSQ2       | MAIN BOARD                       |  |
|       | 040G 45762412B    | CBPC LABEL                       |  |
| C71   | 067G305V101 4P    | CAP 105C 100UF M 25V 6.3*11      |  |
| C63   | 067G305V101 4P    | CAP 105C 100UF M 25V 6.3*11      |  |
| C15   | 067G305V101 4P    | CAP 105C 100UF M 25V 6.3*11      |  |
| C59   | 067G305V101 4P    | CAP 105C 100UF M 25V 6.3*11      |  |
| CN6   | 033G801936Y H HC  | 0.5 PITCH 36P SMT FPC CONN       |  |
| CN4   | 033G801936Y H HC  | 0.5 PITCH 36P SMT FPC CONN       |  |
| U6    | 056G 562578CMO    | IC,Scaler,RTD2554VH-GR,QFP-128   |  |
| U10   | 056G 563 52       | IC AP1117D33L-13 TO252-3L DIODES |  |
| U8    | 056G 563 52       | IC AP1117D33L-13 TO252-3L DIODES |  |
| U9    | 056G 563113       | IC G1117-18T63Uf 1A/1.8V SOT-223 |  |
| U3    | 056G1125701 X     | IC MCU RTD2120L-LF REALTEK       |  |
| Q6    | 057G 417517       | LMBT3906LT1G SOT-23 BY LRC       |  |
| Q4    | 057G 417517       | LMBT3906LT1G SOT-23 BY LRC       |  |
| Q1    | 057G 759 2A       | TANSISTOR 2N7002 SOT-23          |  |
| Q3    | 057G 759 2A       | TANSISTOR 2N7002 SOT-23          |  |
| Q5    | 057G 759 2A       | TANSISTOR 2N7002 SOT-23          |  |
| Q10   | 057G 763 59       | FET BSS84 -0.13A/-50V SOT-23     |  |
| Q8    | 057G 763 59       | FET BSS84 -0.13A/-50V SOT-23     |  |
| R29   | 061G0402000       | RST CHIP MAX 0R05 1/16W          |  |
| R136  | 061G0402100 0F    | RST CHIPR 100 OHM +-1% 1/16W     |  |
| R72   | 061G0402101       | RST CHIPR 100 OHM +-5% 1/16W     |  |
| R69   | 061G0402101       | RST CHIPR 100 OHM +-5% 1/16W     |  |
| R63   | 061G0402101       | RST CHIPR 100 OHM +-5% 1/16W     |  |
| R61   | 061G0402101       | RST CHIPR 100 OHM +-5% 1/16W     |  |
| R57   | 061G0402101       | RST CHIPR 100 OHM +-5% 1/16W     |  |
| R56   | 061G0402101       | RST CHIPR 100 OHM +-5% 1/16W     |  |
| R55   | 061G0402101       | RST CHIPR 100 OHM +-5% 1/16W     |  |
| R52   | 061G0402101       | RST CHIPR 100 OHM +-5% 1/16W     |  |
| R39   | 061G0402101       | RST CHIPR 100 OHM +-5% 1/16W     |  |
| R38   | 061G0402101       | RST CHIPR 100 OHM +-5% 1/16W     |  |
| R78   | 061G0402101       | RST CHIPR 100 OHM +-5% 1/16W     |  |
| R76   | 061G0402102       | RST CHIPR 1 KOHM +-5% 1/16W      |  |
| R70   | 061G0402102       | RST CHIPR 1 KOHM +-5% 1/16W      |  |
| R21   | 061G0402102       | RST CHIPR 1 KOHM +-5% 1/16W      |  |

|      |                |                                    |  |
|------|----------------|------------------------------------|--|
| R105 | 061G0402102    | RST CHIPR 1 KOHM +-5% 1/16W        |  |
| R95  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W       |  |
| R89  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W       |  |
| R71  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W       |  |
| R44  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W       |  |
| R43  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W       |  |
| R42  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W       |  |
| R41  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W       |  |
| R40  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W       |  |
| R32  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W       |  |
| R23  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W       |  |
| R18  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W       |  |
| R17  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W       |  |
| R16  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W       |  |
| R15  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W       |  |
| R14  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W       |  |
| R13  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W       |  |
| R12  | 061G0402103    | RST CHIPR 10 KOHM +-5% 1/16W       |  |
| R137 | 061G0402152    | RST CHIP 1K5 1/16W 5%              |  |
| R36  | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R37  | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R62  | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R64  | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R68  | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R7   | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R8   | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R9   | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R91  | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R35  | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R20  | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R19  | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R11  | 061G0402220    | RST CHIPR 22 OHM +-5% 1/16W        |  |
| R94  | 061G0402221    | RST CHIPR 220 OHM +-5% 1/16W       |  |
| R88  | 061G0402221    | RST CHIPR 220 OHM +-5% 1/16W       |  |
| R113 | 061G0402222    | RST CHIPR 2.2 KOHM +-5% 1/16W      |  |
| R5   | 061G0402222    | RST CHIPR 2.2 KOHM +-5% 1/16W      |  |
| R4   | 061G0402222    | RST CHIPR 2.2 KOHM +-5% 1/16W      |  |
| R114 | 061G0402222    | RST CHIPR 2.2 KOHM +-5% 1/16W      |  |
| R115 | 061G0402240 1F | RST CHIPR 0402 2.4K OHM +-1% 1/16W |  |
| R73  | 061G0402303    | RST CHIPR 30 KOHM +-5% 1/16W       |  |

|      |                |                               |  |
|------|----------------|-------------------------------|--|
| R99  | 061G0402330    | RST CHIPR 33 OHM +-5% 1/16W   |  |
| R98  | 061G0402330    | RST CHIPR 33 OHM +-5% 1/16W   |  |
| R97  | 061G0402330    | RST CHIPR 33 OHM +-5% 1/16W   |  |
| R104 | 061G0402330    | RST CHIPR 33 OHM +-5% 1/16W   |  |
| R103 | 061G0402330    | RST CHIPR 33 OHM +-5% 1/16W   |  |
| R102 | 061G0402330    | RST CHIPR 33 OHM +-5% 1/16W   |  |
| R101 | 061G0402330    | RST CHIPR 33 OHM +-5% 1/16W   |  |
| R100 | 061G0402330    | RST CHIPR 33 OHM +-5% 1/16W   |  |
| R77  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W |  |
| R79  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W |  |
| R80  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W |  |
| R90  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W |  |
| R96  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W |  |
| R75  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W |  |
| R74  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W |  |
| R31  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W |  |
| R27  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W |  |
| R26  | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W |  |
| R116 | 061G0402472    | RST CHIPR 4.7 KOHM +-5% 1/16W |  |
| R67  | 061G0402750    | RST CHIPR 75 OHM +-5% 1/16W   |  |
| R59  | 061G0402750    | RST CHIPR 75 OHM +-5% 1/16W   |  |
| R53  | 061G0402750    | RST CHIPR 75 OHM +-5% 1/16W   |  |
| B11  | 061G0805000    | RST CHIP MAX 0R05 1/8W        |  |
| D26  | 061G1206000    | RST CHIP MAX 0R05 1/4W        |  |
| D23  | 061G1206000    | RST CHIP MAX 0R05 1/4W        |  |
| C70  | 065G0402104 12 | CAP CHIP 0402 0.1uF 16V X7R   |  |
| C47  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V |  |
| C46  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V |  |
| C48  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V |  |
| C74  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V |  |
| C49  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V |  |
| C45  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V |  |
| C41  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V |  |
| C40  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V |  |
| C38  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V |  |
| C37  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V |  |
| C36  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V |  |
| C35  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V |  |
| C32  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V |  |
| C24  | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V |  |

|     |                |                                        |  |
|-----|----------------|----------------------------------------|--|
| C23 | 065G0402104 17 | CAP CHIP 0402 100nF Z 16V Y5V          |  |
| C50 | 065G0402120 31 | CAP CHIP 0402 12P 50V NPO              |  |
| C20 | 065G0402220 31 | CHIP 22PF 50V NPO                      |  |
| C21 | 065G0402220 31 | CHIP 22PF 50V NPO                      |  |
| C44 | 065G0402220 31 | CHIP 22PF 50V NPO                      |  |
| C25 | 065G0402473 17 | CAP CHIP 0402 47nF K 16V Y5V           |  |
| C28 | 065G0402473 17 | CAP CHIP 0402 47nF K 16V Y5V           |  |
| C30 | 065G0402473 17 | CAP CHIP 0402 47nF K 16V Y5V           |  |
| C31 | 065G0402473 17 | CAP CHIP 0402 47nF K 16V Y5V           |  |
| C34 | 065G0402473 17 | CAP CHIP 0402 47nF K 16V Y5V           |  |
| C39 | 065G0402473 17 | CAP CHIP 0402 47nF K 16V Y5V           |  |
| C43 | 065G0402473 17 | CAP CHIP 0402 47nF K 16V Y5V           |  |
| C19 | 065G0603330 31 | CER1 0603 NP0 50V 33P PM               |  |
| C16 | 065G0805105 22 | CAP CHIP 0805 1uF K 25V X7R            |  |
| C17 | 065G1206106 17 | MLCC 10 UF Z 16V Y5V                   |  |
| FB1 | 071G 42U100 TS | CHIP BEAD 0402 10ohm+-25% 0.5A         |  |
| FB2 | 071G 42U100 TS | CHIP BEAD 0402 10ohm+-25% 0.5A         |  |
| FB3 | 071G 42U100 TS | CHIP BEAD 0402 10ohm+-25% 0.5A         |  |
| R46 | 071G 59M121 Y  | CHIP BEAD 0603 120ohm+-25% 0.35A       |  |
| L4  | 071G 59S221 M  | CHIP BEAD 0603 220ohm+-25% 2A          |  |
| L3  | 071G 59S221 M  | CHIP BEAD 0603 220ohm+-25% 2A          |  |
| L2  | 071G 59S221 M  | CHIP BEAD 0603 220ohm+-25% 2A          |  |
| L1  | 071G 59S221 M  | CHIP BEAD 0603 220ohm+-25% 2A          |  |
| B5  | 071G 59U601 TS | CHIP BEAD 0603 600ohm+-25% 0.2A        |  |
| B4  | 071G 59U601 TS | CHIP BEAD 0603 600ohm+-25% 0.2A        |  |
| B12 | 071G 59U601 TS | CHIP BEAD 0603 600ohm+-25% 0.2A        |  |
| B10 | 071G 59U601 TS | CHIP BEAD 0603 600ohm+-25% 0.2A        |  |
| Y1  | 093G 22S509CMO | Crystal SMD-49,24MHz,30pF H=4.1 mm CMO |  |
| D19 | 093G 64S503CMO | BAV70W,SOT-323(SC-70),Pan Jit CMO      |  |
| D14 | 093G 64S503CMO | BAV70W,SOT-323(SC-70),Pan Jit CMO      |  |
| D27 | 093G 64S523SEM | DIODE 1N4148WS SEMTECH                 |  |
| D28 | 093G 64S523SEM | DIODE 1N4148WS SEMTECH                 |  |
| D18 | 093G3004 3     | SM340A                                 |  |
| D29 | 093G3004 3     | SM340A                                 |  |
|     | 715G3279 2     | MAIN PCB FR-4 105X80X1.0mm DS          |  |
|     | SMTKEPC7QO1    | KEY BOARD FOR SMT                      |  |
| CN1 | 033G8019 2CMO  | CONN.25-D000187                        |  |
| SW1 | 077G 606501 CJ | TACT SWITCH                            |  |
| SW2 | 077G 606501 CJ | TACT SWITCH                            |  |
| SW3 | 077G 606501 CJ | TACT SWITCH                            |  |

|     |                |                               |  |
|-----|----------------|-------------------------------|--|
| SW4 | 077G 606501 CJ | TACT SWITCH                   |  |
| SW5 | 077G 606501 CJ | TACT SWITCH                   |  |
| D1  | 081G 63O 1 GP  | LED GPTS0603OC3-PB            |  |
| D2  | 081G0603 B GP  | LED GPTS06033BC1 GP           |  |
|     | 715G3032 1     | KEY PCB FR-4 76x11.8x1.0mm DS |  |
| CN1 | 033G8019 2JCMO | CONNECTOR 1.0pitch SMT 15p    |  |

## 12. Different parts list

| Diversity of T96MRYDDIWVWNND compared with T96MRYDBIWVSNNN |                   |                                 |        |
|------------------------------------------------------------|-------------------|---------------------------------|--------|
| Location                                                   | Part No.          | Description                     | Remark |
|                                                            | N40G000196868A    | S/N LABEL                       |        |
|                                                            | N40G0001968 2A    | S/N LABEL 7741513161            |        |
|                                                            | N44G9007968 2A    | CARTON FOR China- 78-D018443    |        |
|                                                            | F40G 19N96839A    | SAFETY LABEL                    |        |
|                                                            | N34G0091 ZK 1B    | REAR 40-D018254                 |        |
|                                                            | 089G414A18N YH    | POWER CORD(32E1818021)(中規)      |        |
|                                                            | 089G414A18N IS    | POWER CORD 32E1818021(与 TPV 共用) |        |
|                                                            | N40G000296813B ZA | QC PASS LABEL                   |        |
|                                                            | F40G000296821A ZA | Supplier label                  |        |
|                                                            | N40G000296811C ZA | Customer label on Carton        |        |
|                                                            | N41G780P968 1A    | WARRANTY CARD- 78-D021250       |        |

| Diversity of T96MRYDDIWVWNND compared with T96MRYDBIWVSNNN |                   |                                 |        |
|------------------------------------------------------------|-------------------|---------------------------------|--------|
| Location                                                   | Part No.          | Description                     | Remark |
|                                                            | N40G000196868A    | S/N LABEL                       |        |
|                                                            | N40G0001968 2A    | S/N LABEL 7741513161            |        |
|                                                            | N44G9007968 2A    | CARTON FOR China- 78-D018443    |        |
|                                                            | F40G 19N96839A    | SAFETY LABEL                    |        |
|                                                            | N34G0091 ZK 1B    | REAR 40-D018254                 |        |
|                                                            | 089G414A18N YH    | POWER CORD(32E1818021)(中規)      |        |
|                                                            | 089G414A18N IS    | POWER CORD 32E1818021(与 TPV 共用) |        |
|                                                            | N40G000296813B ZA | QC PASS LABEL                   |        |
|                                                            | F40G000296821A ZA | Supplier label                  |        |
|                                                            | N40G000296811C ZA | Customer label on Carton        |        |
|                                                            | N41G780P968 1A    | WARRANTY CARD- 78-D021250       |        |

| Diversity of T96MRYDDIWVWNND compared with T96MRYDBIWVSNNN |                   |                                 |        |
|------------------------------------------------------------|-------------------|---------------------------------|--------|
| Location                                                   | Part No.          | Description                     | Remark |
|                                                            | N40G000196868A    | S/N LABEL                       |        |
|                                                            | N40G0001968 2A    | S/N LABEL 7741513161            |        |
|                                                            | N44G9007968 2A    | CARTON FOR China- 78-D018443    |        |
|                                                            | N40G 19N96839A    | SAFETY LABEL                    |        |
|                                                            | N34G0091 ZK 1B    | REAR 40-D018254                 |        |
|                                                            | 089G414A18N YH    | POWER CORD(32E1818021)(中規)      |        |
|                                                            | 089G414A18N IS    | POWER CORD 32E1818021(与 TPV 共用) |        |
|                                                            | N40G000296813B ZA | QC PASS LABEL                   |        |

|  |                   |                           |  |
|--|-------------------|---------------------------|--|
|  | N40G000296821A ZA | Supplier label            |  |
|  | N40G000296811C ZA | Customer label on Carton  |  |
|  | N41G780P968 1A    | WARRANTY CARD- 78-D021250 |  |

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

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

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

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

### **Reader's basic data:**

|                 |  |               |  |
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| <b>Company:</b> |  |               |  |
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| <b>E-mail:</b>  |  |               |  |

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](mailto:marc.maupin@viewsonic.com))