

Service
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SDM-E96D

Service Manual

Horizontal Frequency
28-80 kHz

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SAFETY NOTICE

ANY PERSON ATTEMPTING TO SERVICE THIS CHASSIS MUST FAMILIARIZE HIMSELF WITH THE CHASSIS AND BE AWARE OF THE NECESSARY SAFETY PRECAUTIONS TO BE USED WHEN SERVICING ELECTRONIC EQUIPMENT CONTAINING HIGH VOLTAGES.

CAUTION: USE A SEPARATE ISOLATION TRANSFORMER FOR THIS UNIT WHEN SERVICING

Important Safety Notice

Proper service and repair is important to the safe, reliable operation of all SONY Company** Equipment. The service procedures recommended by SONY and described in this service manual are effective methods of performing service operations. Some of these service operations require the use of tools specially designed for the purpose. The special tools should be used when and as recommended.

It is important to note that this manual contains various CAUTIONS and NOTICES which should be carefully read in order to minimize the risk of personal injury to service personnel. The possibility exists that improper service methods may damage the equipment. It is also important to understand that these CAUTIONS and NOTICES ARE NOT EXHAUSTIVE. SONY could not possibly know, evaluate and advise the service trade of all conceivable ways in which service might be done or of the possible hazardous consequences of each way. Consequently, SONY has not undertaken any such broad evaluation. Accordingly, a servicer who uses a service procedure or tool which is not recommended by SONY must first satisfy himself thoroughly that neither his safety nor the safe operation of the equipment will be jeopardized by the service method selected.

* * Hereafter throughout this manual, SONY Company will be referred to as SONY.

WARNING

Use of substitute replacement parts, which do not have the same, specified safety characteristics may create shock, fire, or other hazards.

Under no circumstances should the original design be modified or altered without written permission from SONY. SONY assumes no liability, express or implied, arising out of any unauthorized modification of design. Servicer assumes all liability.

FOR PRODUCTS CONTAINING LASER:

DANGER-Invisible laser radiations when open AVOID DIRECT EXPOSURE TO BEAM.

CAUTION-Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION -The use of optical instruments with this product will increase eye hazard.

TO ENSURE THE CONTINUED RELIABILITY OF THIS PRODUCT, USE ONLY ORIGINAL MANUFACTURER'S REPLACEMENT PARTS, WHICH ARE LISTED WITH THEIR PART NUMBERS IN THE PARTS LIST SECTION OF THIS SERVICE MANUAL.

Take care during handling the LCD module with backlight unit

-Must mount the module using mounting holes arranged in four corners.

-Do not press on the panel, edge of the frame strongly or electric shock as this will result in damage to the screen.

-Do not scratch or press on the panel with any sharp objects, such as pencil or pen as this may result in damage to the panel.

-Protect the module from the ESD as it may damage the electronic circuit (C-MOS).

-Make certain that treatment person's body is grounded through wristband.

-Do not leave the module in high temperature and in areas of high humidity for a long time.

-Avoid contact with water as it may a short circuit within the module.

-If the surface of panel becomes dirty, please wipe it off with a soft material. (Cleaning with a dirty or rough cloth may damage the panel.)

1. Precaution

Warning on power connections

- Use the supplied power cord. If you use a different power cord, be sure that it is compatible with your local power supply.

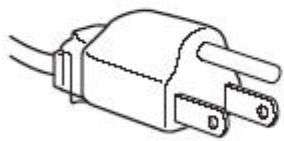
For the customers in the U.S.A.

If you do not use the appropriate cord, this monitor will not conform to mandatory FCC standards.

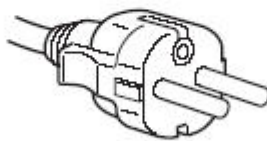
For the customers in the UK

If you use the monitor in the UK, be sure to use the appropriate UK power cord.

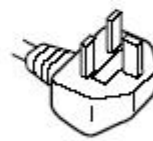
Example of plug types



for 100 to 120 V AC



for 200 to 240 V AC



for 240 V AC only

The equipment should be installed near an easily accessible outlet.

Installation

Do not install or leave the monitor:

- In places subject to extreme temperatures, for example near a radiator, heating vent, or in direct sunlight. Subjecting the monitor to extreme temperatures, such as in an automobile parked in direct sunlight or near a heating vent, could cause deformations of the casing or malfunctions.
- In places subject to mechanical vibration or shock.
- Near any equipment that generates a strong magnetic field, such as a TV or various other household appliances.
- In places subject to inordinate amounts of dust, dirt, or sand, for example near an open window or an outdoor exit. If setting up temporarily in an outdoor environment, be sure to take adequate precautions against airborne dust and dirt. Otherwise irreparable malfunctions could occur.

Place this unit on a flat surface. Do not place it on an uneven surface like the edge of a desk. If a part of this unit sticks out from such surface, it may fall or cause damaged and injury.

Handling the LCD screen

- Do not leave the LCD screen facing the sun as it can damage the LCD screen. Take care when you place the monitor by a window.
- Do not push on or scratch the LCD screen. Do not place a heavy object on the LCD screen. This may cause the screen to lose uniformity or cause LCD panel malfunctions.
- If the monitor is used in a cold place, a residual image may appear on the screen. This is not a malfunction. The screen returns to normal as the temperature rises to a normal operating level.
- If a still picture is displayed for a long time, a residual image may appear for a while. The residual image will eventually disappear.
- The LCD panel becomes warm during operation. This is not a malfunction.

Maintenance

- Be sure to unplug the power cord from the power outlet before cleaning your monitor.
- Clean the LCD screen with a soft cloth. If you use a glass cleaning liquid, do not use any type of cleaner containing an anti-static solution or similar additive as this may scratch the LCD screen's coating.
- Clean the cabinet, panel, and controls with a soft cloth lightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder, or solvent, such as alcohol or benzine.
- Do not rub, touch, or tap the surface of the screen with sharp or abrasive items such as a ballpoint pen or screwdriver. This type of contact may result in a scratched picture tube.
- Note that material deterioration or LCD screen coating degradation may occur if the monitor is exposed to volatile solvents such as insecticide, or if prolonged contact is maintained with rubber or vinyl materials.

Transportation

- Disconnect all cables from the monitor and grasp both side of the LCD display firmly taking care not to scratch the screen when transporting. If you drop the monitor, you may be injured or the monitor may be damaged.
- When you transport this monitor for repair or shipment, use the original carton and packing materials.

Installation on a wall or a mounting arm

If you intend to install the display on a wall or a mounting arm, be sure to consult qualified personnel.

2. Specification

2.1 Product Specification

| | | |
|-------------------------------------|-------------------------|--|
| LCD Panel | Driving system | TFT LCD |
| | Size | 19.0" |
| | Type | M190EN04-V5C |
| | Pixel pitch | 0.294mm(H) x 0.294mm(V) |
| | Viewing angle | 140(H) 135(V) |
| | Luminance | 270 cd/m ² (typ) |
| | Pixel Arrangement | R.G.B Vertical Stripe |
| | Contrast Ratio | 550:1 (typ) |
| | Response time | 8ms (typ) |
| | Display colors | 16.2 million Colors |
| | Max dimension | Horizontal: 376.32mm Vertical: 301.06mm |
| Input signals | R G B Analog | 0.7Vp-p, 75, positive |
| | SYNC signal | TTL level, 2.2 K Ω |
| | Digital RGB signal | TMDS |
| | Horizontal frequency | 28kHz-80kHz (Analog), 28kHz-64kHz(Digital) |
| | Vertical rate | 56-75Hz (Analog), 60Hz(Digital) |
| | Recommend resolution | 1280 x 1024 |
| Power consumption | Normal operation | \leq 44W |
| | Active off (deep sleep) | \leq 1W |
| | Power off | \leq 1W |
| Power supply | AC voltage | 100~240VAC,50~60Hz |
| Operating condition | Temperature | 5-35°C |
| | Humidity | 10-80% |
| | Altitude | 0-4000m |
| Dimensions (width / height / depth) | | 420x433.1x193.2mm |

2.2 Interface Description

Analog connectors

| NO. | Description | NO. | Description |
|-----|---------------|-----|-----------------|
| 1. | Red Video | 9. | +5V |
| 2. | Green Video | 10. | Detect Cable |
| 3. | Blue Video | 11. | NC |
| 4. | GND | 12. | SDA |
| 5. | Sensor for PC | 13. | Horizontal Sync |
| 6. | Red GND | 14. | Vertical Sync |
| 7. | Green GND | 15. | SCL |
| 8. | Blue GND | | |

VGA Connector layout

Digital connectors

| NO. | Description | NO. | Description |
|-----|--------------------|-----|------------------------|
| 1. | TMDS Data 2- | 13. | No Connect |
| 2. | TMDS Data 2+ | 14. | +5V |
| 3. | TMDS Data 2 Shield | 15. | Sense of connection PC |
| 4. | No Connect | 16. | Hot Plug Detect |
| 5. | No Connect | 17. | TMDS Data 0- |
| 6. | DDC Clock | 18. | TMDS Data 0+ |
| 7. | DDC Data | 19. | TMDS Data 0 Shield |
| 8. | No Connect | 20. | No Connect |
| 9. | TMDS Data1- | 21. | No Connect |
| 10. | TMDS Data 1+ | 22. | TMDS Clock Shield |
| 11. | TMDS Data 1 Shield | 23. | TMDS Clock + |
| 12. | No Connect | 24. | TMDS Clock - |

VGA Connector layout

2.3 Factory Preset Mode

| Resolution | Frequency (KHz) | Vertical (Hz) | Clock (MHZ) |
|-------------------|------------------------|----------------------|--------------------|
| 720 × 400 | 31.500 | 70.156 | 28.350 |
| 640 × 480 | 31.469 | 59.940 | 25.175 |
| 640 × 480 | 35.000 | 66.667 | 30.240 |
| 640 × 480 | 37.500 | 75.000 | 31.500 |
| 720 × 480 | 35.162 | 59.901 | 31.505 |
| 800 × 600 | 35.156 | 56.250 | 36.000 |
| 800 × 600 | 37.879 | 60.317 | 40.000 |
| 800 × 600 | 48.077 | 72.188 | 50.000 |
| 800 × 600 | 46.875 | 75.000 | 49.500 |
| 832 × 624 | 49.725 | 74.553 | 57.285 |
| 1024 × 768 | 48.363 | 60.004 | 65.000 |
| 1024 × 768 | 53.946 | 66.110 | 71.640 |
| 1024 × 768 | 56.476 | 70.069 | 75.000 |
| 1024 × 768 | 60.023 | 75.029 | 78.750 |
| 1024 × 768 | 60.241 | 74.927 | 80.000 |
| 1152 × 864 | 67.500 | 75.000 | 108.000 |
| 1152 × 870 | 68.681 | 75.062 | 100.000 |
| 1152 × 900 | 61.795 | 65.950 | 92.940 |
| 1152 × 900 | 71.732 | 76.068 | 105.590 |
| 1280 × 960 | 60.000 | 60.000 | 108.000 |
| 1280 × 1024 | 63.981 | 60.020 | 108.00 |
| 1280 × 1024 | 79.976 | 75.025 | 135.00 |

2.4 Panel Specification

2.4.1 General Specification

| ITEMS | Unit | SPECIFICATIONS |
|--|----------------------|---|
| Screen Diagonal | [mm] | 480 (19.0") |
| Active Area | [mm] | 376.32 (H) x 301.06 (V) |
| Pixels H x V | | 1280(x3) x 1024 |
| Pixel Pitch | [mm] | 0.294 (per one triad) x 0.294 |
| Pixel Arrangement | | R.G.B. Vertical Stripe |
| Display Mode | | Normally White |
| White Luminance (Center) | [cd/m ²] | 270 (center, Typ) @ 7mA |
| Contrast Ratio | | 550 : 1 (Typ) |
| Optical Response Time | [msec] | 8 ms(Typ, on/off) |
| Color Saturation | | 72% NTSC |
| Nominal Input Voltage VDD | [Volt] | +5.0 V |
| Power Consumption (VDD line + CCFL line) | [Watt] | 28W(Typ) (w/o Inverter, All black pattern) |
| Weight | [Grams] | 2700 (Max) |
| Physical Size | [mm] | 396 (H) x 324 (V) x 18 (D) (Typ) |
| Electrical Interface | | Dual channel LVDS |
| Support Color | | 16.2M colors (RGB 6-bit data+FRC data) |
| Temperature Range Operating Storage (Shipping) | [°C] [°C] | 0 to +50 -20 to +60 |
| TCO'03 compliance | | TCO'03 compliance |
| Surface Treatment | | Hard-coating (3H), Non-Glare treatment |
| RoHS | | RoHS Compliance |

2.4.2 Optical Characteristics

| Item | Unit | Conditions | Min. | Typ. | Max. |
|--|----------------------|--------------------|-------|-------|-------|
| Viewing Angle | [degree] | Horizontal (Right) | 65 | 70 | - |
| | [degree] | CR = 10 (Left) | 65 | 70 | - |
| | [degree] | Vertical (Up) | 70 | 75 | - |
| | [degree] | CR = 10 (Down) | 55 | 60 | - |
| Contrast ratio | | Normal Direction | 350 | 550 | |
| Response Time | [msec] | Raising Time | - | 5.6 | 8.4 |
| | [msec] | Falling Time | - | 2.4 | 3.6 |
| | [msec] | Rising + Falling | - | 8 | 12 |
| Color / Chromaticity Coordinates (CIE) | | Red x | 0.604 | 0.634 | 0.664 |
| | | Red y | 0.324 | 0.354 | 0.384 |
| | | Green x | 0.257 | 0.287 | 0.317 |
| | | Green y | 0.591 | 0.621 | 0.651 |
| | | Blue x | 0.108 | 0.138 | 0.168 |
| | | Blue y | 0.047 | 0.077 | 0.107 |
| | | White x | 0.283 | 0.313 | 0.343 |
| Color Coordinates (CIE) White | | White y | 0.299 | 0.329 | 0.359 |
| White Luminance at CCFL 7.0mA (central point) | [cd/m ²] | | 215 | 270 | - |
| Luminance Uniformity | [%] | | 70 | 75 | - |
| Crosstalk (in75Hz) | [%] | | | | 1.5 |
| Flicker | DB | | | | -20 |

2.4.3 Electrical Characteristics

TFT-LCD

| Symbol | Parameter | Min | Typ | Max | Units |
|--------|--|-----|------|------|-------------|
| VDD | Logic/LCD Drive Voltage | 4.5 | 5 | 5.5 | [Volt] |
| IDD | VDD current | - | 1500 | 1900 | [mA] |
| Irush | LCD Inrush Current | - | - | 2.5 | [A] |
| PDD | VDD Power | | 7.5 | 9.75 | [Watt] |
| VDDrp | Allowable Logic/LCD Drive Ripple Voltage | | | 100 | [mV] p-p |
| VDDns | Allowable Logic/LCD Drive Ripple Voltage | | | 100 | [mV] p-p |

Backlight

| Symbol | Parameter | Min. | Typ. | Max. | Unit |
|----------------|--|--------|-------------|---------------|---------------|
| ISCFL | CCFL standard current | 6.5 | 7.0 | 7.5 | [mA] rms |
| IRCFL | CCFL operation range | 3.0 | 7.0 | 7.5 | [mA] rms |
| FCFL | CCFL Frequency | 40 | 50 | 60 | [KHz] |
| ViCFL (0°C) | CCFL Ignition Voltage (End of the lamp wire connector) | 1700 | - | | [Volt] rms |
| ViCF (25°C) | CCFL Ignition Voltage (End of the lamp wire connector) | 1500 | - | | [Volt] rms |
| VCFL | CCFL Operation Voltage | | 700 @7mA | 860 @6.5mA | [Volt] rms |
| PCFL | CCFL Power consumption (for reference) | - | 19.6 | 22 | [Watt] |
| LTCFL | CCFL life Time | 40,000 | 50,000 | - | [Hour] |

3.OSD Operation

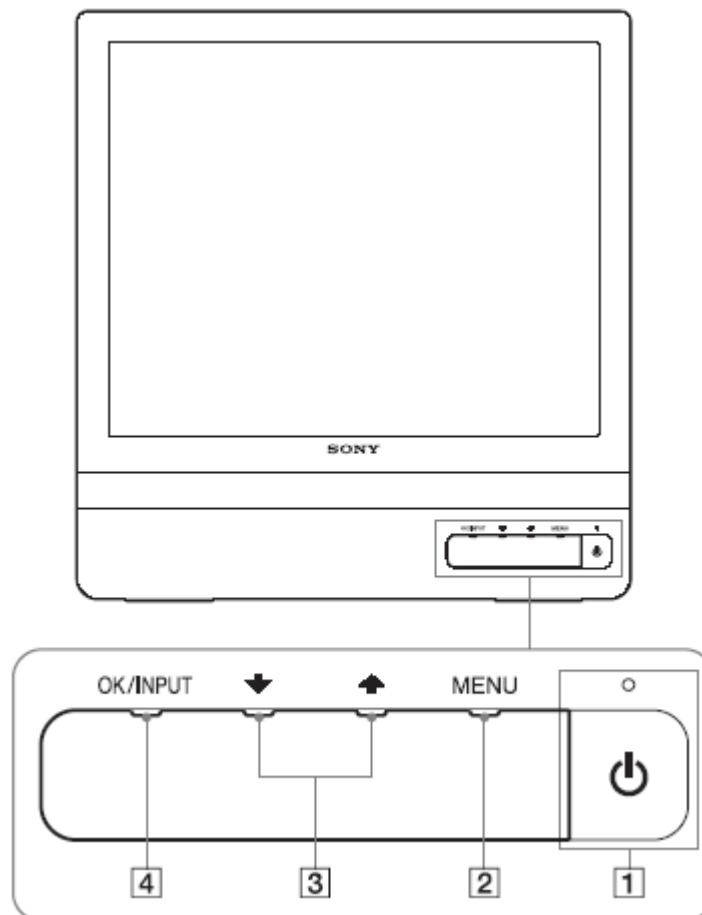
3.1 Generalization


Press the power button to turn the monitor on or off. The control buttons are located at the lower right part of the monitor. By changing these settings, the picture can be adjusted to your personal preferences.

- The power cord should be connected.
- Connect the video cable from the monitor to the video card.
- Press the power button to turn on the monitor, the power indicator will light up.



3.2 Key Control

Front of the display



1  **Power Switch and indicator:** To turn the display on or off, press the Power Switch. The power indicator lights up in green when the display is turned on, and lights up in orange when the monitor is in power saving mode.

2 **Menu Button:** This button displays or close the main menu.

3   **Button:** These buttons are used to select the menu items make adjustments.

4 **OK Button:** This button selects the item or executes the settings in the menu.

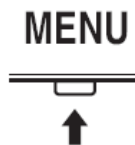
3.3 Common Adjustment

| NO | Icon | Tag | Description |
|----|------|---------------|---|
| 1 | | Backlight | Adjust the brightness of the backlight |
| 2 | | Contrast | Adjust the picture contrast |
| 3 | | Brightness | Adjust the picture brightness (black level) |
| 4 | | Screen | Adjust the picture's sharpness or its centering |
| 5 | | Color | Adjust the color temperature of the picture |
| 6 | | Gamma | Change the picture's color shade settings |
| 7 | | Sharpness | Adjust to sharpen the edge of images |
| 8 | | Menu position | Change the on screen menu position |
| 9 | | Input Sensing | Automatically detects an input signal to an input terminal, and changes the input automatically before the monitor goes into the power saving mode. |
| 9 | | Language | Change the language used on menus or messages |
| 10 | | Reset | Reset the adjustments to the default settings |
| 11 | | Menu lock | Lock the control of buttons to prevent accidental adjustments or resetting |

3.4 Navigating The Menu

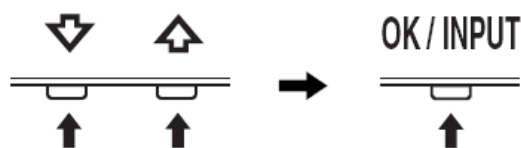
1. Display the main menu.

Press the MENU button to display the main menu on your screen.



2. Select the menu you to adjust

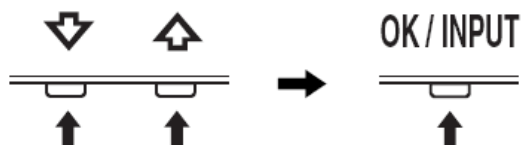
Press the / buttons to display the desired menu. Press the OK button to select the menu item.



3. Adjust the menu

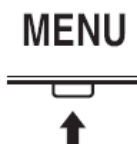
Press the / buttons to make the adjustment, then press the OK button. When you press the OK button, the

setting is stored, then the display returns to the previous menu.



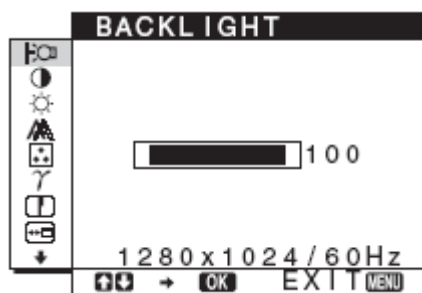
4. Close the menu

Press the MENU button once to return to normal viewing. If no buttons are pressed, the menu closes automatically after about 45 seconds.




3.5 Adjustment Steps Of Main Menu

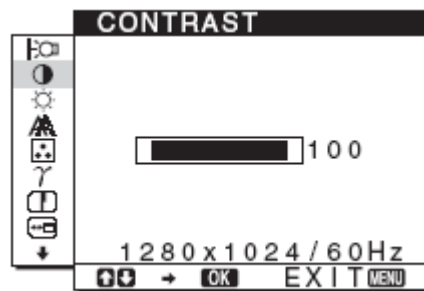
1. Adjusting the backlight (BACKLIGHT)



If the screen is too bright, adjust the backlight and make the screen easier to see.

- 1 Press the MENU button.
The main menu appears on the screen.
- 2 Press the ↓/↑ buttons to select  (BACKLIGHT) and press the OK button.
The BACKLIGHT menu appears on the screen.
- 3 Press the ↓/↑ buttons to adjust the light level and press the OK button.

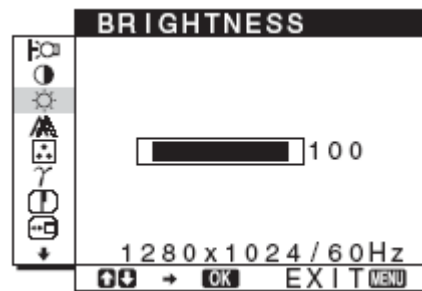
2. Adjusting the contrast (CONTRAST)



Note

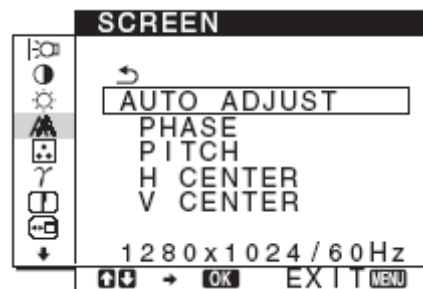
While COLOR is set to sRGB, you cannot adjust CONTRAST, BRIGHTNESS or GAMMA.

- 1 Press the **MENU** button.
The main menu appears on the screen.
- 2 Press the **↓/↑** buttons to select **●** (CONTRAST) and press the **OK** button.
The CONTRAST menu appears on the screen.
- 3 Press the **↓/↑** buttons to adjust the contrast and press the **OK** button.

3.Adjusting the black level of an image (BRIGHTNESS)**Note**

While COLOR is set to sRGB, you cannot adjust CONTRAST, BRIGHTNESS or GAMMA.

- 1 Press the **MENU** button.
The main menu appears on the screen.
- 2 Press the **↓/↑** buttons to select **☀** (BRIGHTNESS) and press the **OK** button.
The BRIGHTNESS menu appears on the screen.
- 3 Press the **↓/↑** buttons to adjust the brightness and press the **OK** button.

4.Adjusting the picture's sharpness and centering (SCREEN)


■ **Automatic picture quality adjustment function**

When the monitor receives an input signal, it automatically adjusts the picture's position and sharpness (phase/pitch), and ensures that a clear picture appears on the screen (page 15).

■ **Make further automatic adjustments to the picture quality for the current input signal (AUTO ADJUST)**

1 Press the MENU button.

The main menu appears on the screen.

2 Press the ↓/↑ buttons to select  (SCREEN) and press the OK button.

The SCREEN menu appears on the screen.

3 Press the ↓/↑ buttons to select AUTO ADJUST and press the OK button.

The AUTO ADJUST menu appears on the screen.


4 Press the ↓/↑ buttons to select OFF or ON and press the OK button.

- **OFF:** When OFF is selected and the OK button is pressed, AUTO ADJUST makes the appropriate adjustments and its values are stored in the memory.

Note

AUTO ADJUST works automatically when the received resolution is different from the stored one in the monitor.

- **ON:** When the monitor is turned on or the input signal is changed, AUTO ADJUST makes the automatic adjustments.

5 Press the ↓/↑ buttons to select  and press the OK button.

Return to the menu screen.

■ Adjust the picture's sharpness manually (PHASE/PITCH)

You can adjust the picture's sharpness as follows. This adjustment is effective when the computer is connected to the monitor's HD15 input connector (analog RGB).

1 Set the resolution to 1280 × 1024 on the computer.

2 Load the CD-ROM.

3 Start the CD-ROM, and display the test pattern.

For Windows User

When Auto run operates:

Click Display Adjustment tool (Utility).

Click "Adjust" and confirm the resolution and then click "Next".

Test pattern for PITCH and PHASE appears in order.

When Auto run fails to operate:

1 Open "My Computer" and right click the CD-ROM icon.

Go to "Explorer" and open the CD-ROM icon.

2 Open [Utility] and then select [Windows].

3 Start [Win_Utility.exe].

Test pattern appears.

For Macintosh User


1 Open [Utility] and then select [Mac].

2 Start [Mac_Utility.exe].

Test pattern appears.

4 Press the MENU button.

The main menu appears on the screen.

5 Press the ↓/↑ buttons to select  (SCREEN) and press the OK button.

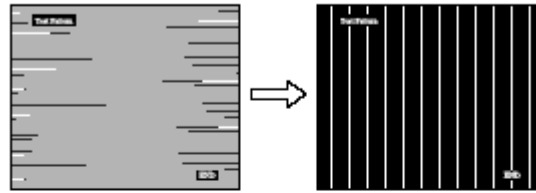
The SCREEN menu appears on the screen.

6 Press the ↓/↑ buttons to select PHASE and press the OK button.

The PHASE adjustment menu appears on the screen.

- 7 **Press the ↓/↑ buttons until the horizontal stripes are at a minimum.**

Adjust so that the horizontal stripes are at a minimum.



- 8 **Press the OK button.**

The main menu appears on the screen.

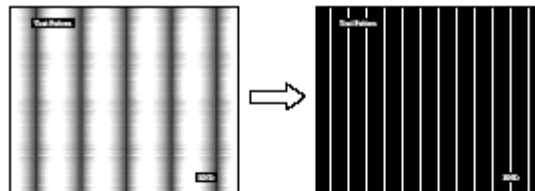
If vertical stripes are observed over the entire screen, adjust the pitch using the following procedures.

- 9 **Press the ↓/↑ buttons to select PITCH and press the OK button.**

The PITCH adjustment menu appears on the screen.

- 10 **Press the ↓/↑ buttons until the vertical stripes disappear.**

Adjust so that the vertical stripes disappear.



- 11 Click **END** on the screen to turn off the test pattern.

■ Adjust the picture's position manually (H CENTER / V CENTER)

If the picture is not in the center of the screen, adjust the picture's centering as follows.

- 1 **Set the resolution to 1280 × 1024 on the computer.**
- 2 **Load the CD-ROM.**

3 Start the CD-ROM, and display the test pattern.**For Windows User****When Auto run operates:**

Click Display Adjustment tool (Utility).

Click "Adjust" and confirm the resolution and then click "Next".

Test pattern for H CENTER and V CENTER appears in order.

When Auto run fails to operate:

1 Open "My Computer" and right click the CD-ROM icon.

Go to "Explorer" and open the CD-ROM icon.

2 Open [Utility] and then select [Windows].

3 Start [Win_Utility.exe].

Test pattern appears.

For Macintosh User


1 Open [Utility] and then select [Mac].

2 Start [Mac_Utility.exe].

Test pattern appears.

4 Press the MENU button.

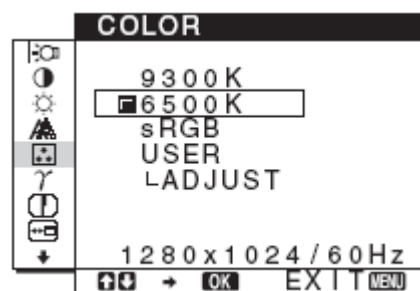
The main menu appears on the screen.

5 Press the ↓/↑ buttons to select  (SCREEN) and press the OK button.


The SCREEN menu appears on the screen.

6 Press the ↓/↑ buttons to select H CENTER or V CENTER and press the OK button.

The H CENTER adjustment menu or V CENTER adjustment menu appears on the screen.

7 Press the ↓/↑ buttons to center the test pattern on the screen.**8 Click [END] on the screen to turn off the test pattern.****5. Adjusting the color temperature (COLOR)****1 Press the MENU button.**

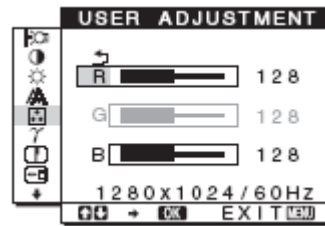
The main menu appears on the screen.

2 Press the ↓/↑ buttons to select  (COLOR) and press the OK button.

The COLOR menu appears on the screen.

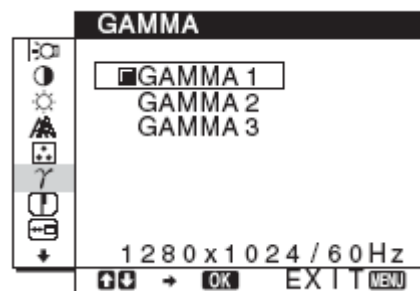
3 Press the ↓/↑ buttons to select the desired color temperature and press the OK button.

6. Fine tuning the color temperature (USER ADJUSTMENT)



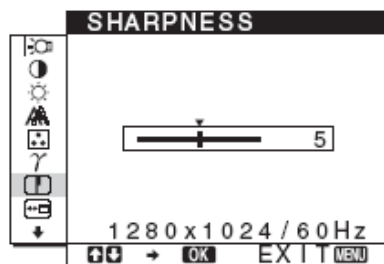
- 1 Press the \downarrow/\uparrow buttons to select ADJUST and press the OK button.
The USER ADJUSTMENT menu appears on the screen.
- 2 Press the \downarrow/\uparrow buttons to select R (Red) or B (Blue) and press the OK button. Then press the \downarrow/\uparrow buttons to adjust the color temperature and press the OK button.
Since this adjustment changes the color temperature by increasing or decreasing the R and B components with respect to G (green), the G component is fixed.
- 3 Press the \downarrow/\uparrow buttons to select \rightarrow , then press the OK button.
The new color setting is stored in memory for USER and automatically recalled whenever USER is selected.
The main menu appears on the screen.


7. Changing the gamma setting (GAMMA)



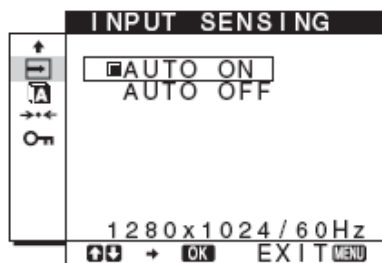
- 1 Press the MENU button.
The main menu appears on the screen.
- 2 Press the \downarrow/\uparrow buttons to select γ (GAMMA) and press the OK button.
The GAMMA menu appears on the screen.
- 3 Press the \downarrow/\uparrow buttons to select the desired mode and press the OK button.


8. Adjusting the sharpness (SHARPNESS)



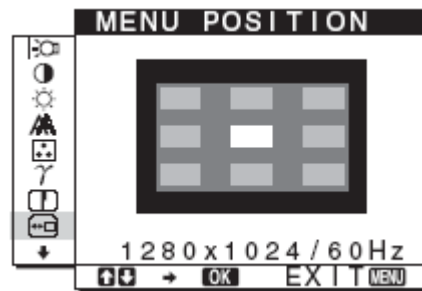
- 1 **Press the MENU button.**
The main menu appears on the screen.
- 2 **Press the ↓/↑ buttons to select  (SHARPNESS) and press the OK button.**
The SHARPNESS menu appears on the screen.
- 3 **Press the ↓/↑ buttons to adjust the sharpness and press the OK button.**


9. Changing the input automatically (INPUT SENSING)



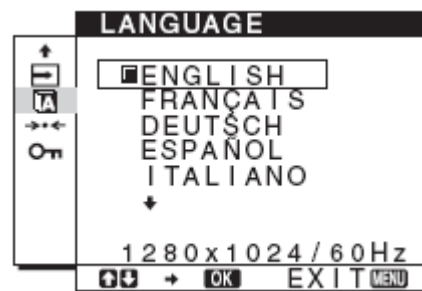
- 1 **Press the MENU button.**
The main menu appears on the screen.
- 2 **Press the ↓/↑ buttons to select  (INPUT SENSING) and press the OK button.**
The INPUT SENSING menu appears on the screen.
- 3 **Press the ↓/↑ buttons to select the desired mode and press the OK button.**
 - **AUTO ON:** When the selected input terminal has no input signal, or when you select an input terminal by the INPUT button on the monitor and the terminal has no input signal, the on-screen message appears (page 16) and the monitor checks the input signal to another input terminal automatically to change the input.
When the input is changed, the selected input terminal is displayed on the left upper of the screen.
When there is no input signal, the monitor goes into the power saving mode automatically.
 - **AUTO OFF:** The input is not changed automatically.
Press the INPUT button to change the input.

10. Changing the menu's position (MENU POSITION)



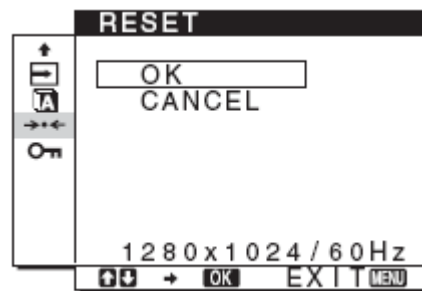
- 1 **Press the MENU button.**
The main menu appears on the screen.
- 2 **Press the ↓/↑ buttons to select  (MENU POSITION) and press the OK button.**
The MENU POSITION menu appears on the screen.
- 3 **Press the ↓/↑ buttons to select the desired position and press the OK button.**
There are three positions each for the top, center and bottom of the screen.

11. Selecting the on-screen menu language (LANGUAGE)




- 1 **Press the MENU button.**
The main menu appears on the screen.
- 2 **Keep pressing the ↓ button until the icon of the desired option item appears.**
- 3 **Press the ↓/↑ buttons to select  (LANGUAGE) and press the OK button.**
The LANGUAGE menu appears on the screen.
- 4 **Press the ↓/↑ buttons to select a language and press the OK button.**
 - ENGLISH
 - FRANÇAIS: French
 - DEUTSCH: German
 - ESPAÑOL: Spanish
 - ITALIANO: Italian
 - NEDERLANDS: Dutch
 - SVENSKA: Swedish
 - РУССКИЙ: Russian
 - 日本語: Japanese
 - 中文: Chinese

12. Additional settings








■ Resetting the adjustment data to the defaults

You can reset the adjustments to the default settings.

- 1 **Press the ↓/↑ buttons to select ↔ (RESET) and press the OK button.**
The RESET menu appears on the screen.
- 2 **Press the ↓/↑ buttons to select the desired mode and press the OK button.**
 - **OK:** To reset all of the adjustment data to the default settings. Note that the  (LANGUAGE) setting is not reset by this method.
 - **CANCEL:** To cancel resetting and return to the menu screen.

■ Locking the menus and controls

You can lock the control of buttons to prevent accidental adjustments or resetting.

- 1 **Press the ↓/↑ buttons to select  (MENU LOCK) and press the OK button.**
The MENU LOCK menu appears on the screen.
- 2 **Press the ↓/↑ buttons to select ON or OFF and press the OK button.**
 - **ON:** Only the  (power) switch will operate. If you attempt any other operation, the  (MENU LOCK) icon appears on the screen.
 - **OFF:** Set  (MENU LOCK) to OFF. If you set the  (MENU LOCK) item to ON, only this menu item can be selected.

3.6 Adjustment Of Service OSD

1. Procedures of entering into service mode.

- 1) Plug the AC cable firstly.
- 2) Press "down" key and Power key simultaneity
- 3) Press "MENU" key to enter the service menu.
- 4) Press the "DOWN" or "UP" key to select the icon "S" and press "OK" key to enter into the service OSD.
- 5) Press the "MENU" key to exit OSD.
- 6) Turn off the power and then turn it on again. The monitor then enters the normal mode. To enter the service again, repeat the procedure described above.

Note

W/B readjustment is required after the panel, board and microcomputer are replaced. However, be sure to perform aging for more than 30 minutes for RGB reset before W/B adjustment.

2. Setup

- 1) Prepare timing and pattern data for a signal generator according to the Sony timing specifications.
- 2) Connect a monitor video cable to the signal generator.
- 3) Put Color Analyzer (ex. CA-210) 50cm away from the monitor, specify it vertically in the center of the display, and adjust the focus to the optimum level using an eyepiece.
- 4) Put the monitor and Color Analyzer (ex. CA-210) in a light-shielded room.
- 5) Set up [SERVICE MODE] of the monitor.

3. Operation

Data is manually set to improve the productivity. The brightness, contrast, and backlight are set to 50, 90 and 100 respectively. After that, the default data of the color temperature to be adjusted is set.

4. Warm up time

Warm up for 30 minutes before performing any adjustment.

5. Adjustment for White Balance

- a. Display five white block and black block pattern VGA/60Hz(Input level 0.73V).
- b. Set up [SERVICE MODE].
- c. Click "WHITE BALANCE" and then select "AUTO".
- d. Prepare timing and full white pattern.

6. 9300K color adjustment

- a. Set up [SERVICE MODE].
- b. Select "9300K" in "COLOR TEMP" and enter.
- c. Use a 100% IRE white video field in the SXGA mode.
- d. Adjust "R, G, B" value with 9300K as spec, 9300K:x=283+-15 y=298+-15 Y=200+-20
- e. Press "MENU" key to exit adjust mode.

7. 6500K color adjustment

- a. Set up [SERVICE MODE].
- b. Select "6500K" in "COLOR TEMP" and enter.
- c. Use a 100% IRE white video field in the SXGA mode.
- d. Adjust "R, G, B" value with 6500K as spec, 6500K:x=313+-15 y=329+-15 Y=220+-20
- e. Press "MENU" key to exit adjust mode.

8. SRGB color adjustment

- a. Set up [SERVICE MODE].
- b. Select "SRGB" in "COLOR TEMP" and enter.
- c. Use a 100% IRE white video field in the SXGA mode.
- d. Adjust "R, G, B" value with SRGB as spec, SRGB: $x=313\pm 15$ $y=329\pm 15$ $Y=180\pm 20$
- e. Press "MENU" key to exit adjust mode.

9. Service OSD

The service OSD menu contains additional menus as described below.

- 1) COLOR TEMP: Adjust R/G/B Color values of contrast and brightness in 9300k, 6500k, User color mode.
- 2) INITIAL EEPROM: Initialize white balance default value.
- 3) CLR ETI: ETI counter shall be reset to 0H by activating this function.
- 4) AGING: Enable to set the monitor in the Aging mode or exit from the mode. Select aging mode. (On/off)
- 5) WHITE BALANCE: Auto.
- 6) DEFAULT TIMING: select the resolution timing of the signal. Menu is 1152 X 864(VESA standard timing) 1152 x 870 (MAC computer timing).
- 7) MODULE: Panel type.

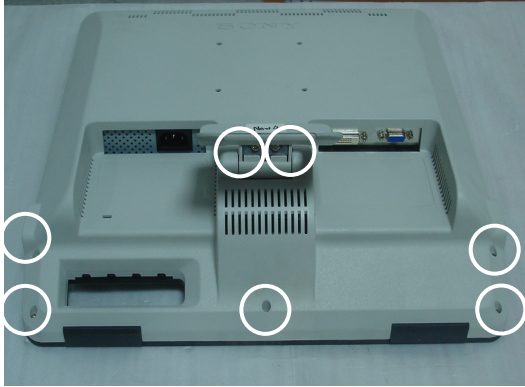
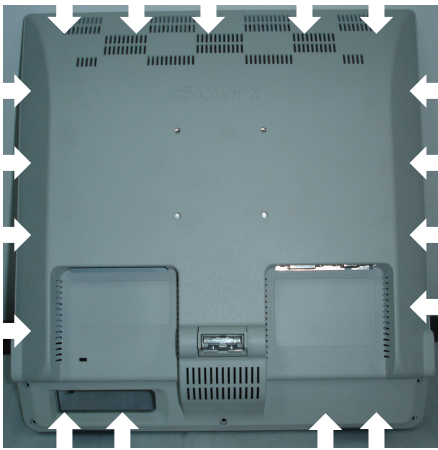
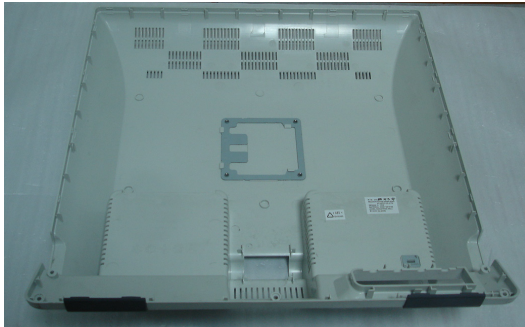
4. Disassembly Flow Chart

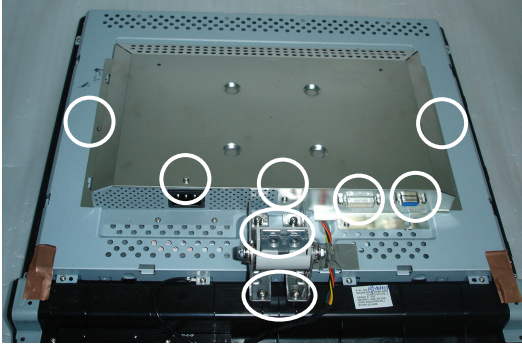
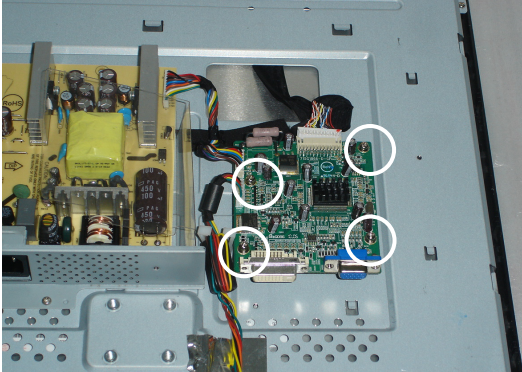
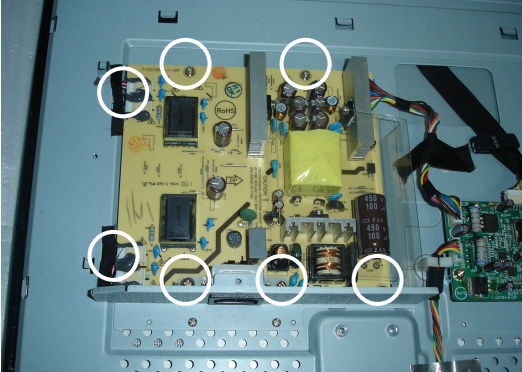
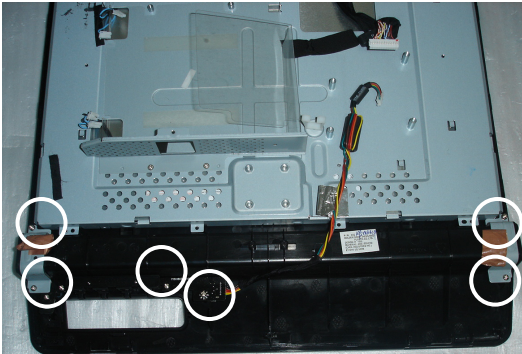
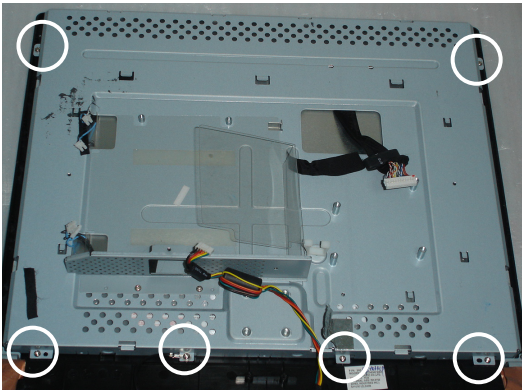
4.1 Disassembly Steps

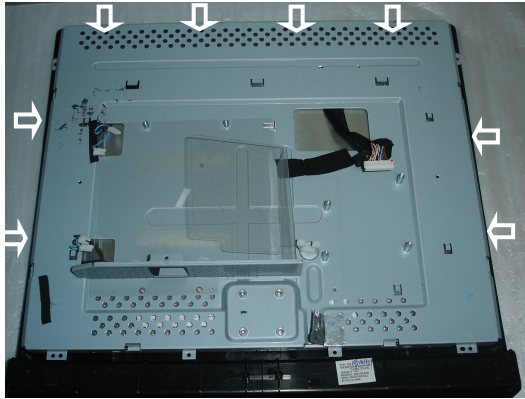
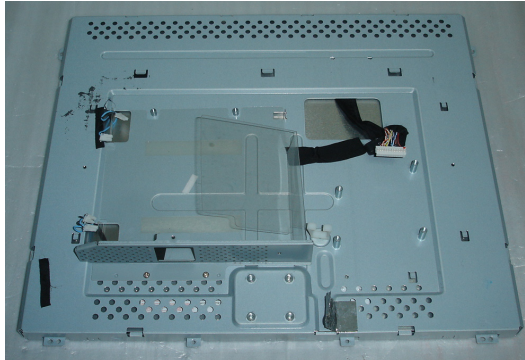
Notices

1. Lay the monitor on a steady table with a piece of clean cloth mat under it for preventing scratching the panel.
2. Be careful when open the bezel and rear cover with the tool that mentioned above for preventing mangling them.
3. Put away the screws for preventing rolling on the panel and scratching it.
4. Be careful and don't scratch the connection line when open the shield.
5. Press the interface with a hand and pull or insert the connection line with the other.

Flow Chart

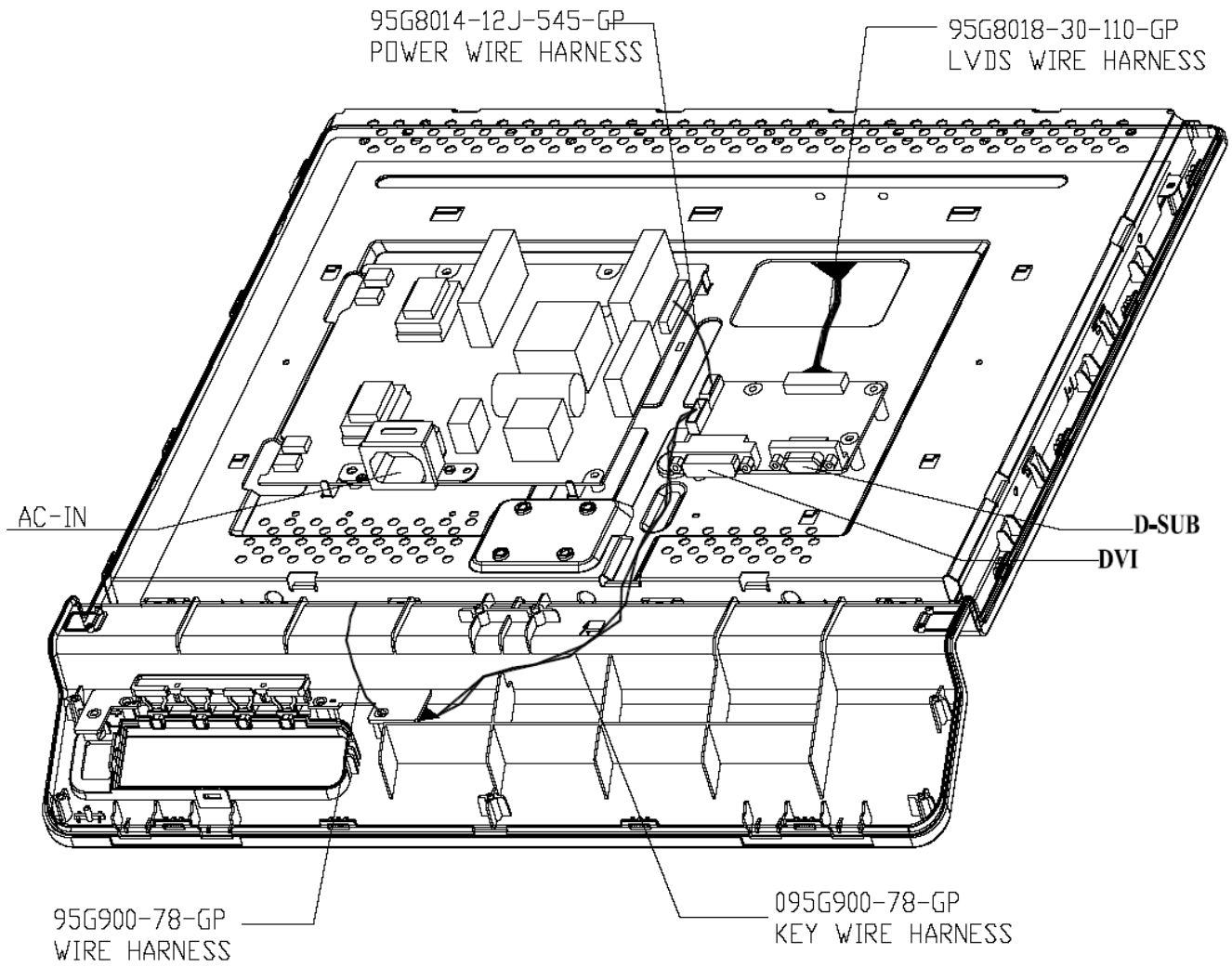
| Step | Figure | Description |
|-------------------------------------|---|--|
| <p>Prepare</p> |  | <p>Put the monitor on a clean soft cloth with panel facing to the table, and then remove the seven screws.</p> |
| <p>Remove the rear cover</p> |  | <p>Pay attention to the hooks marked by arrowheads, and then open it with a thin card till the bezel and rear cover separated.</p> |
| |  | <p>The rear cover</p> |

| | | |
|---|---|--|
| <p>Remove the shield</p> |  | <p>Remove the fifteen screws, then remove the shield</p> |
| <p>Take apart the main board and power board</p> |  | <p>Remove the four screws on the main board and disconnect the three interfaces.</p> |
| <p>Take apart the power board</p> |  | <p>Remove the five screws on the power board and disconnect the four interfaces.</p> |
| <p>Take apart the key board</p> |  | <p>Remove the eight screws</p> |
| <p>Remove the bezel</p> |  | <p>Remove the six screws</p> |

| | | |
|------------------|---|--|
| |  | <p>Pay attention to the hooks marked by arrowheads</p> |
| <p>The panel</p> |  | <p>Only the panel</p> |

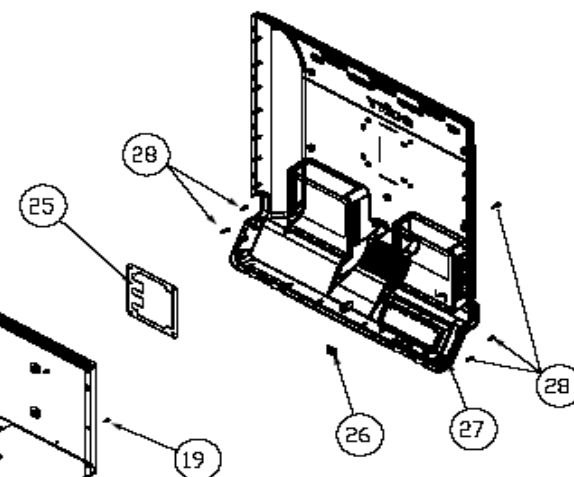
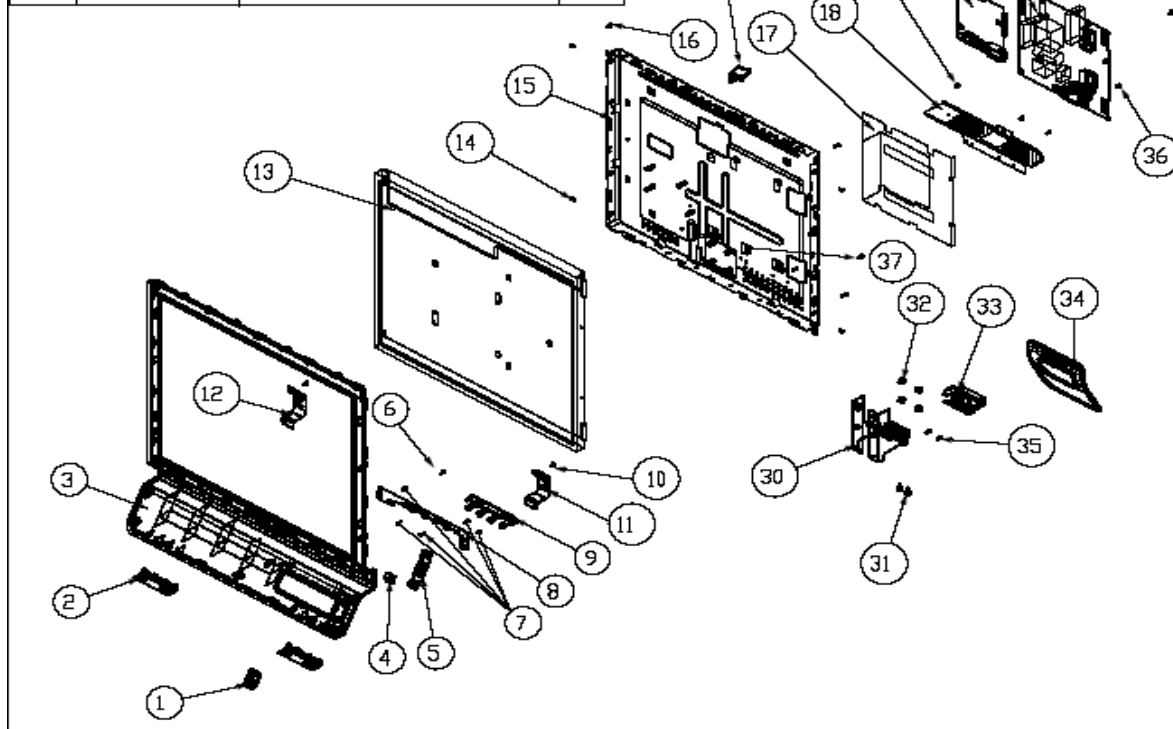
4.2 Wiring Diagram

E96 Wire



4.3 Monitor Exploded View

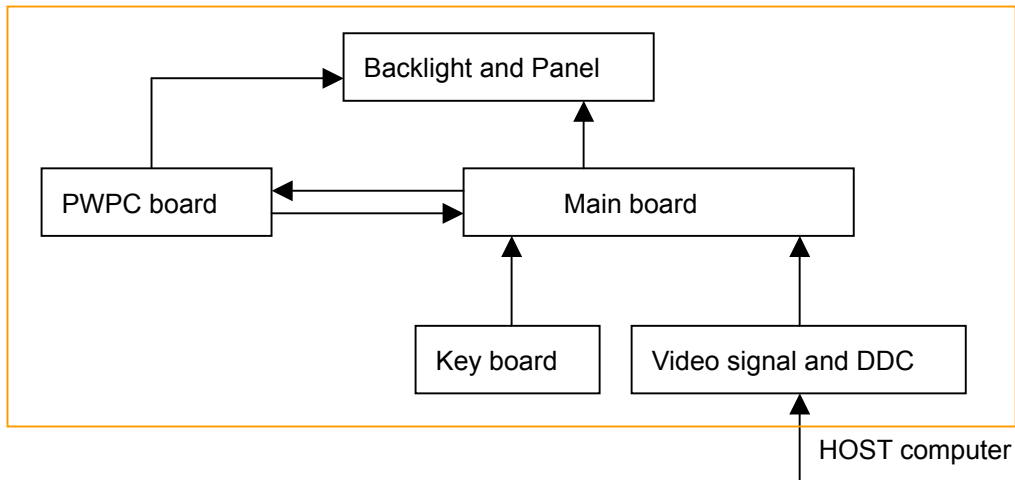
| ITEM | PART NAME | PART NO | Q'ty |
|------|---------------------|--|------|
| 1 | POWER BOTTON | 033G5031-WE-L-GP | 1 |
| 2 | RUBBER FOOT | Q12G6300-12-GP | 2 |
| 3 | E76A BEZEL | 034G1895-BWE-B-GP | 1 |
| 4 | LED LENS | 033G5028-1-D-GP | 1 |
| 5 | HOLDER POWER BUTTON | A33G0011-WE-L-GP | 1 |
| 6 | SCREW | Q1G330-8-120-GP (Key Board&Main Frame) | 1 |
| 7 | SCREW | Q1G330-6-120-GP (Key Board&Mainframe) | 5 |
| 8 | KEY BOARD | KEPC781KS3P | 1 |
| 9 | FUNCTION BUTTON | 033G5032-WE-L-GP | 1 |
| 10 | SCREW | Q1G330-8-120-GP (BKT&Main frame) | 2 |
| 11 | BRACKET-R | Q15G8353-1-GP | 1 |
| 12 | BRACKET-L | Q15G8354-1-GP | 1 |
| 13 | CPT PANEL | 750GLC70-A7Q-13-GP | 1 |
| 14 | SCREW | 0M1G 330-4-120-GP (Main Frame&Panel) | 4 |



| | | | |
|----|----------------|--|---|
| 15 | MAIN FRAME | Q15G8350-2-GP | 1 |
| 16 | SCREW | 0G1G330-8-120-GP (Main Frame&Bezel) | 6 |
| 17 | MYLAR | Q52G6025-991-12-GP | 1 |
| 18 | AC-BKT | Q15G8355-1-GP | 1 |
| 19 | SCREW | 0M1G330-4-120-GP (Shield/BKT & Main Frame) | 7 |
| 20 | MAIN BOARD | AIC781KCD1SP | 1 |
| 21 | POWER BOARD | PWPC1742CTS1P | 1 |
| 22 | SCREW | 0M1G1730-6-120-GP (Power Board/ Main Board & Main Frame) | 7 |
| 23 | SCREW | 02G6008-500-GP (Main Board & Shield) | 4 |
| 24 | SHIELD | Q85G748-2-GP | 1 |
| 25 | BKT-VESA | Q15G5791-1-GP | 1 |
| 26 | KENSINGTON-BKT | Q15G8146-1-GP | 1 |
| 27 | REAR COVER | 034G1898-WF-B-GP | 1 |
| 28 | SCREW | 0Q1G 330-10-120-GP (Bezel & Rear cover) | 5 |
| 29 | CLAMP-S | 011G6048-1-GP | 1 |
| 30 | Hinge | G37G570-2-GP | 1 |
| 31 | SCREW | AM1G1740-10-120-GP (Hinge & Stand) | 2 |
| 32 | SCREW | 0M1G1740-8-120-GP (Main Frame & Hinge) | 4 |
| 33 | HINGE COVER | 033G5027-WF-L-GP | 1 |
| 34 | STAND | G20G043-1-GP | 1 |
| 35 | SCREW | 0Q1G1040-8-120-GP (Hinge & Bezel) | 2 |
| 36 | SCREW | 0M1G1140-6-120-GP (Main Frame & Power Board) | 1 |
| 37 | SCREW | 0M1G1730-8-120-GP (Main Frame & Power Board) | 1 |

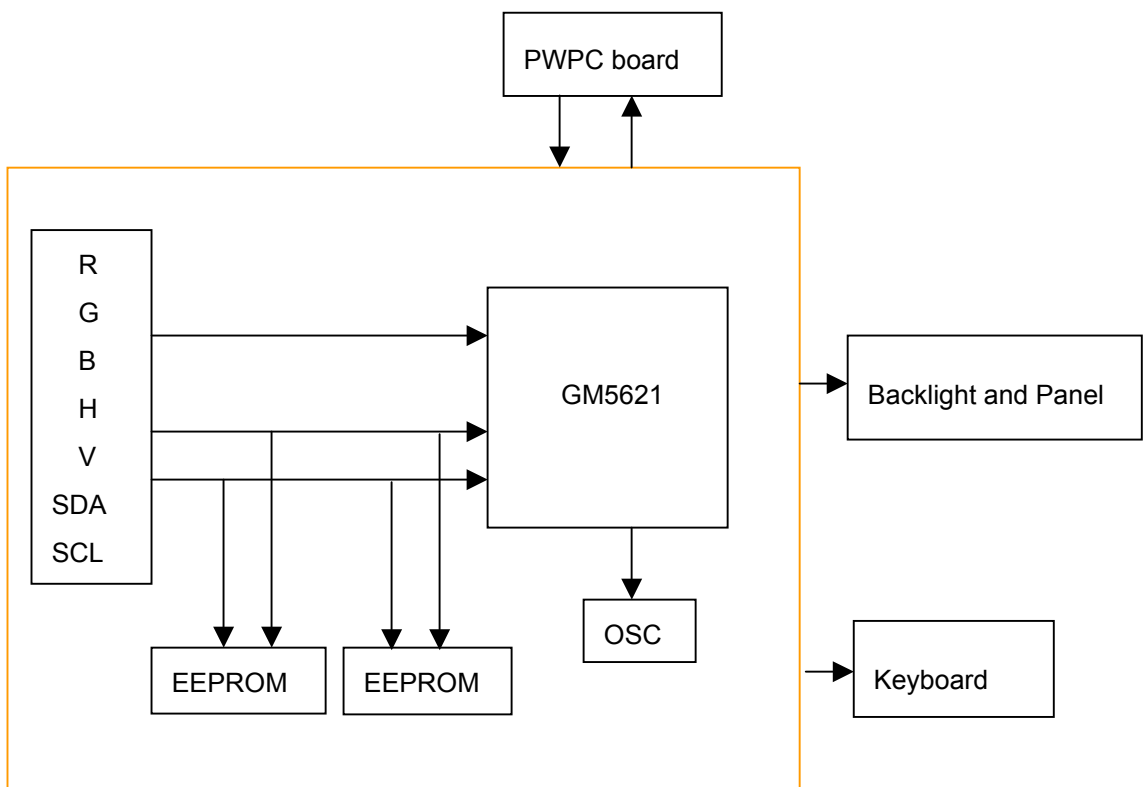
5. Circuit Block Diagram

The LCD Monitor contains a main board, an inverter/power board, and keyboard which house the flat panel control logic, brightness control logic and DDC.



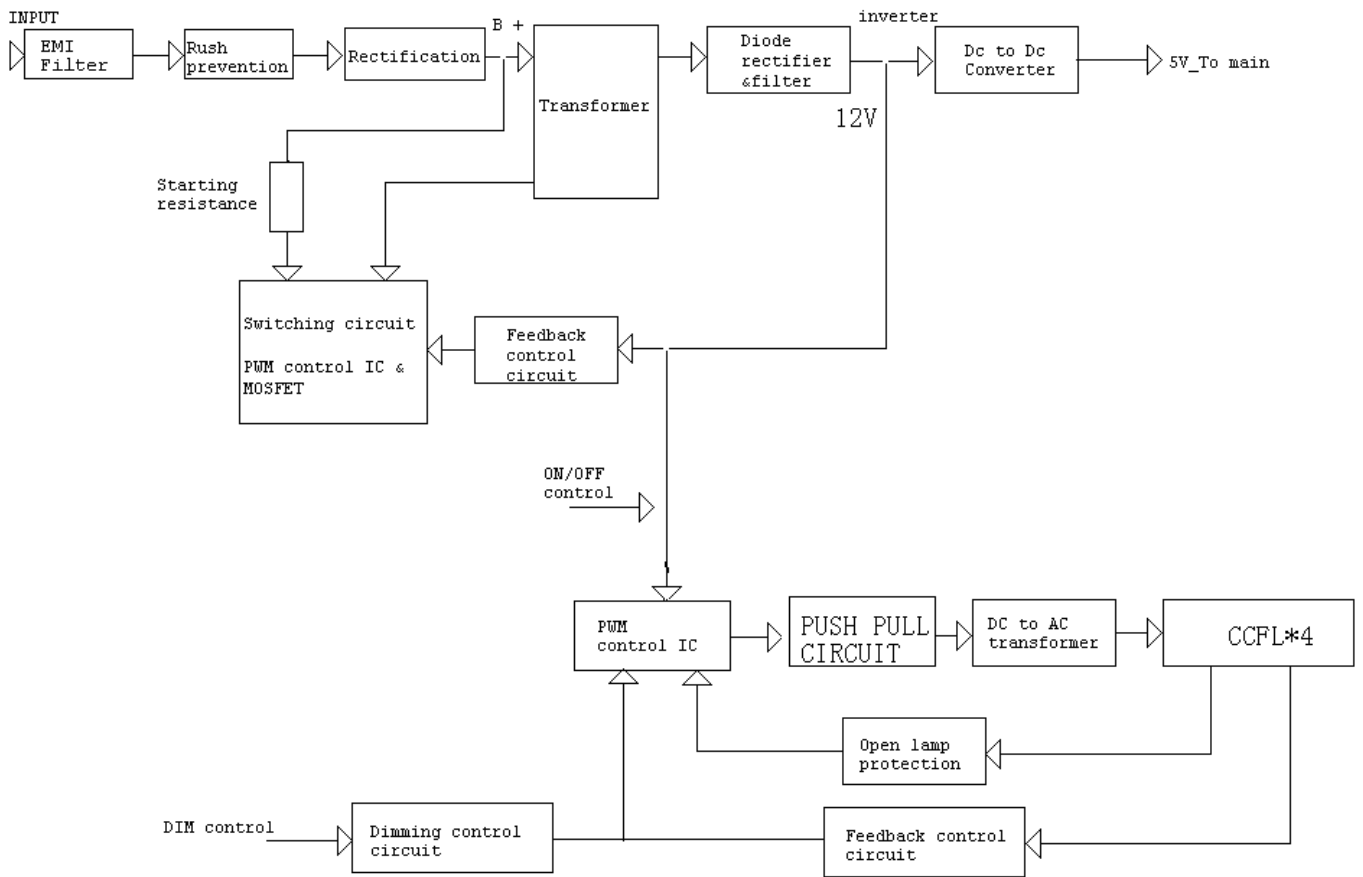
5.1 Main Board

The main board contains panel control logic, brightness control logic; DDC and DC convert DC circuit and so on.



5.2 PWPC Board

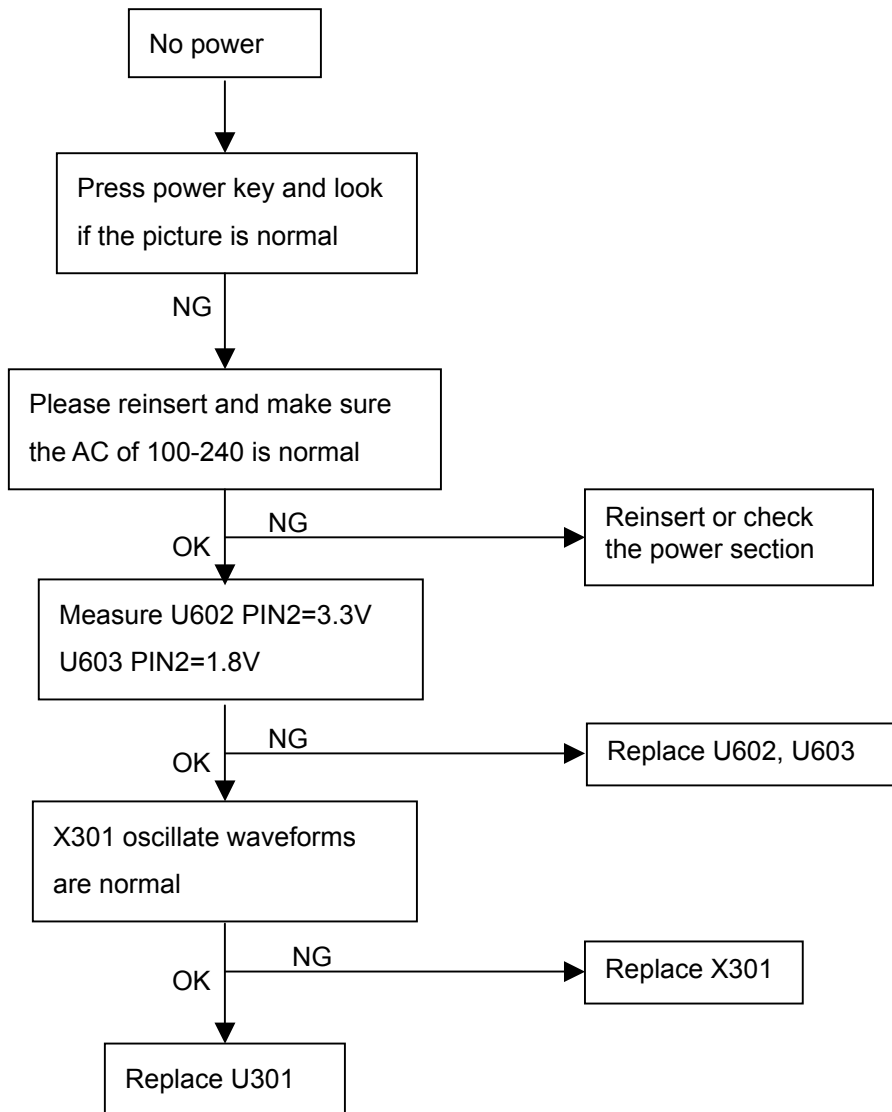
PWPC board combines to adapter and inverter, this design has the merits in predigesting constructions, reducing cost and improving product's capability.



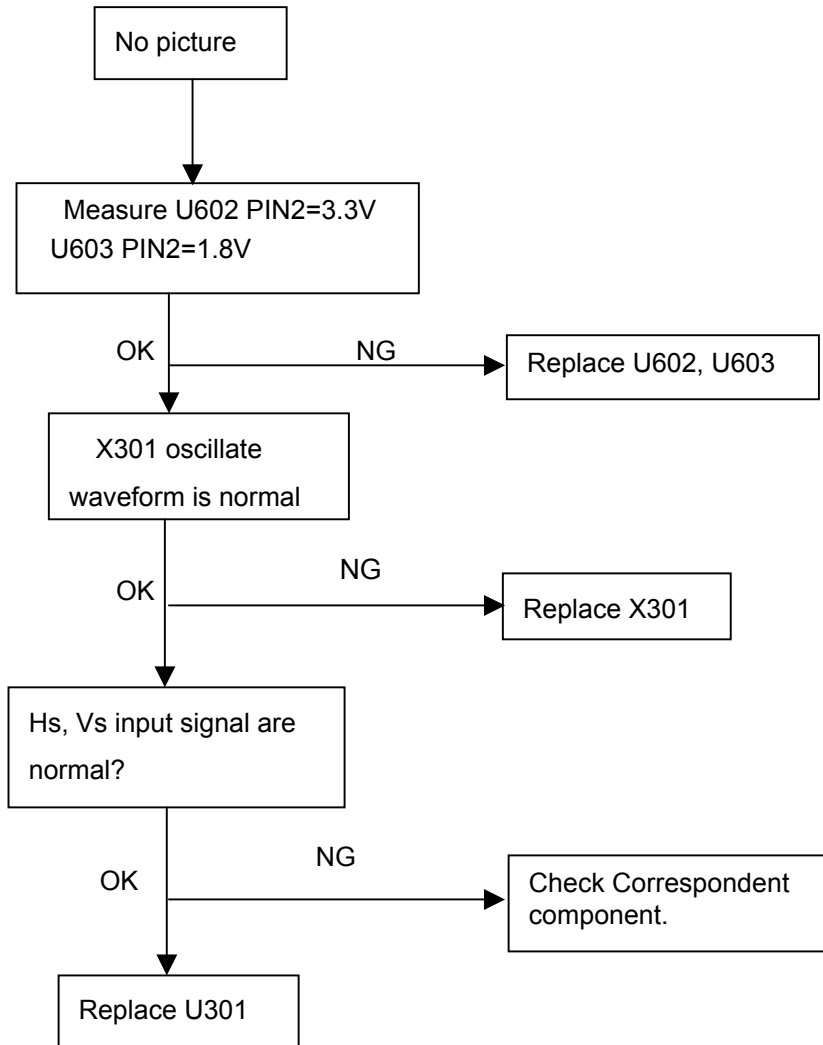
6. Trouble Shooting

6.1 Main Board

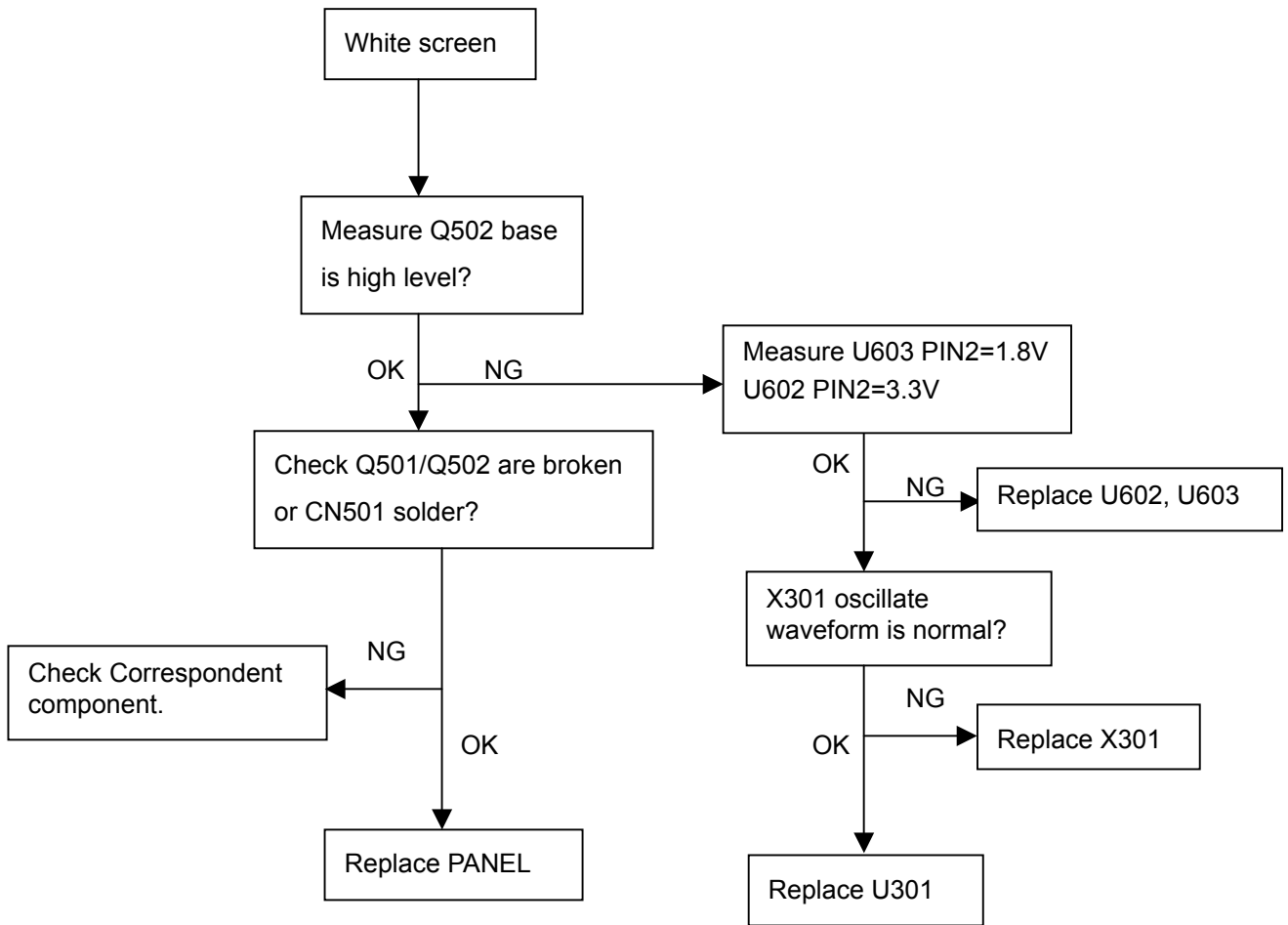
No power



No picture (LED orange)

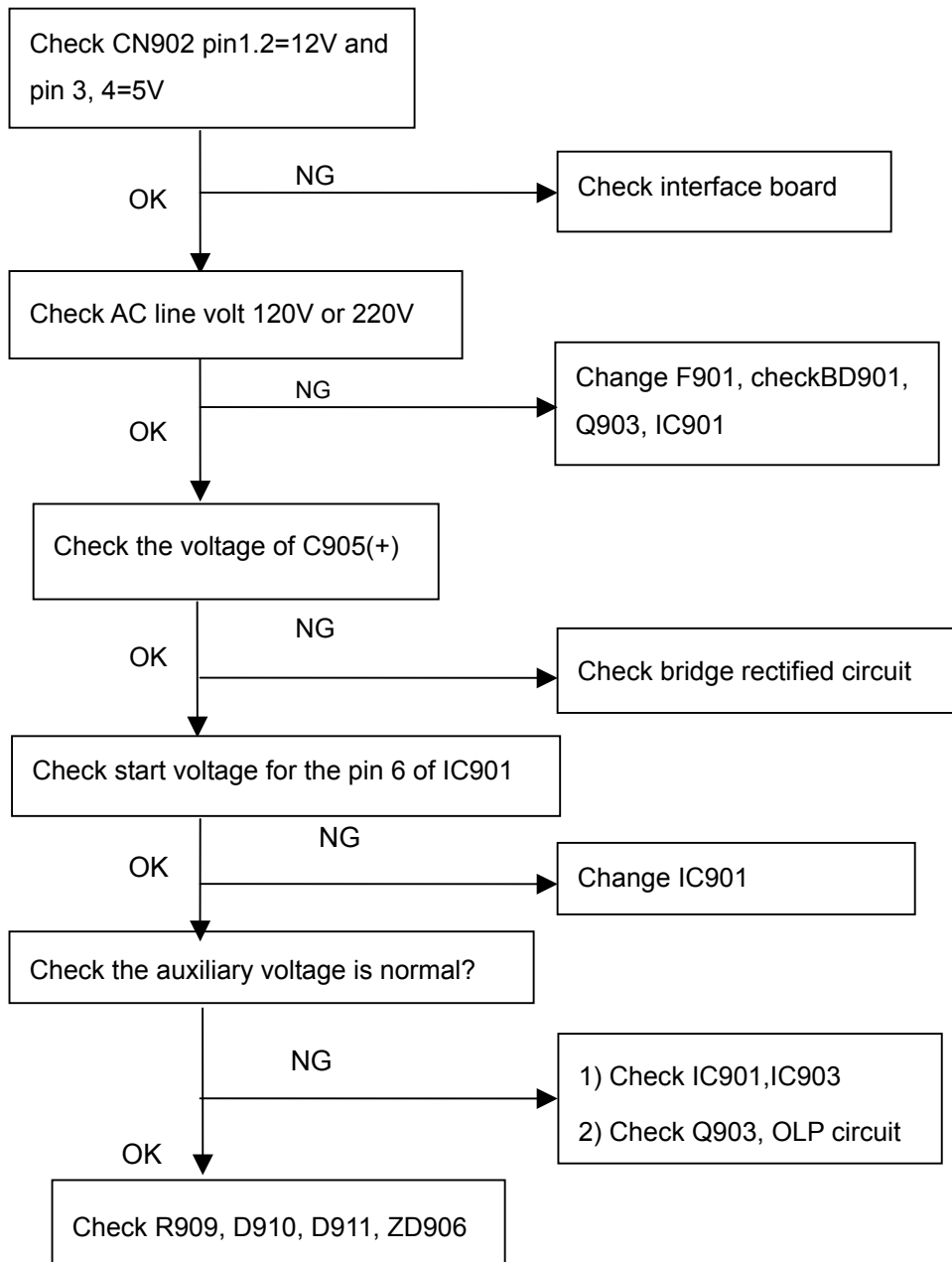


White screen

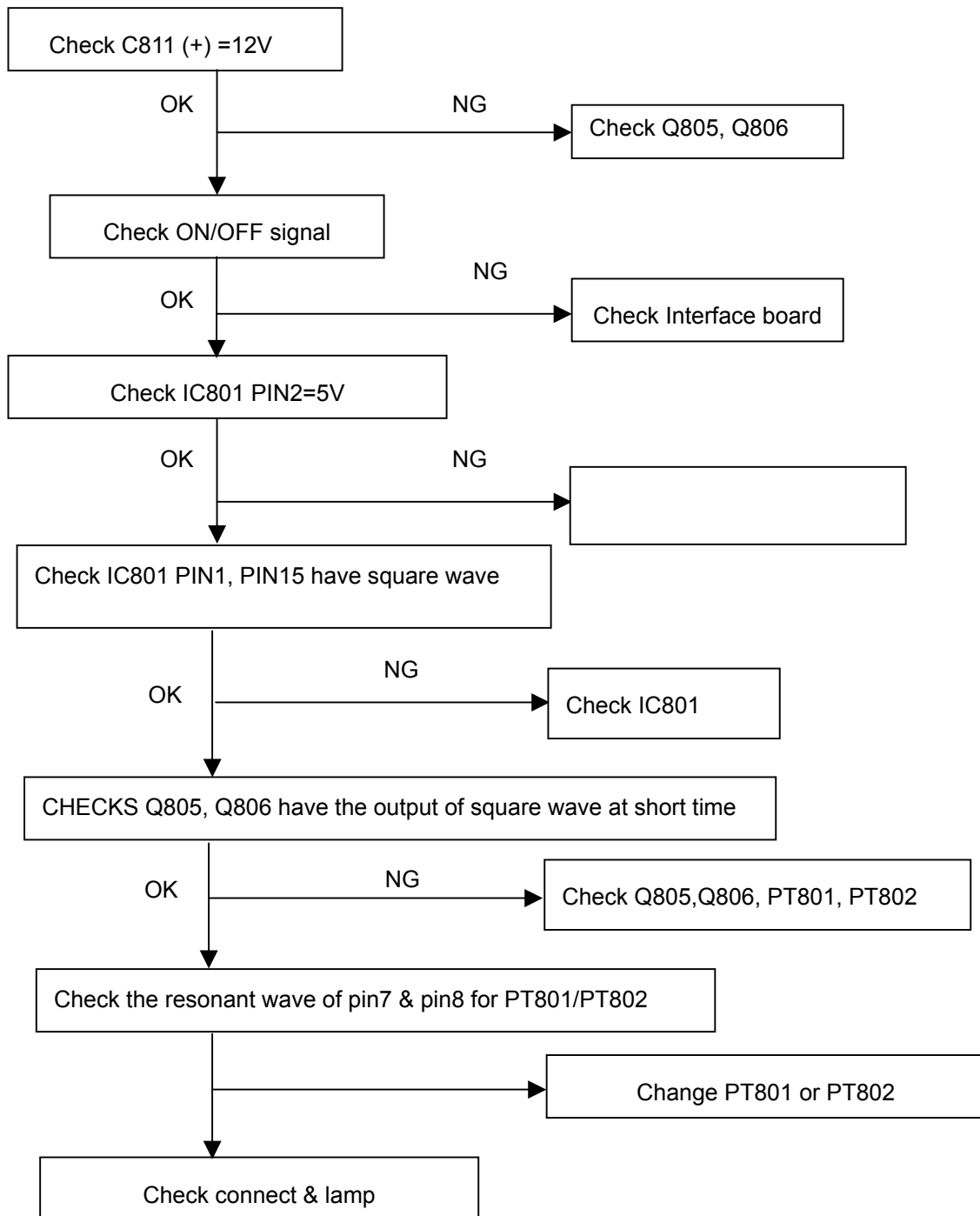


6.2 PWPC Board

No Power

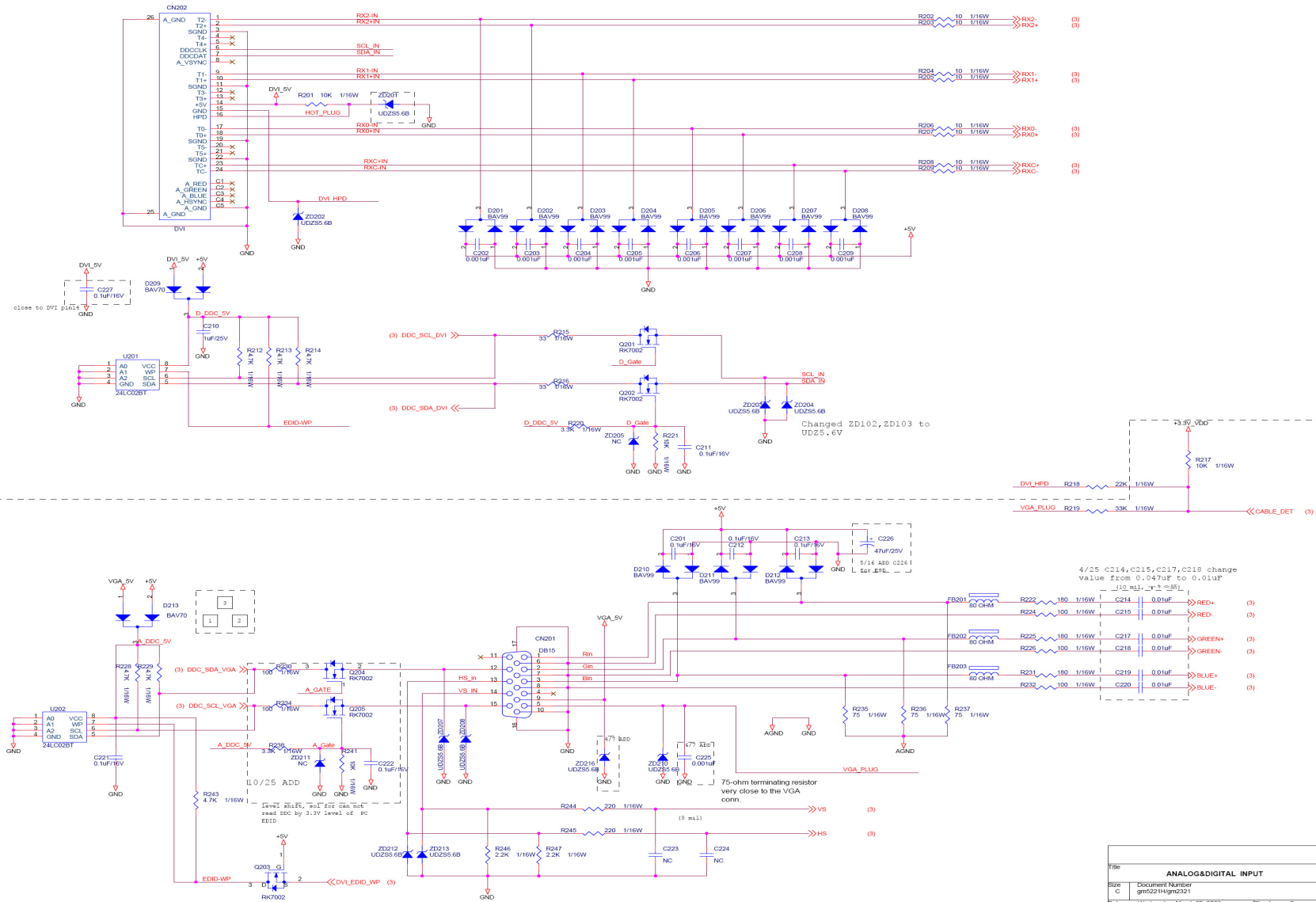


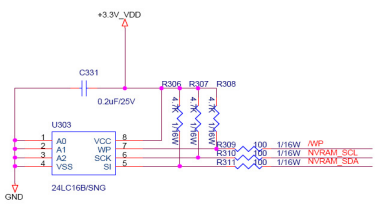
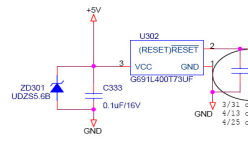
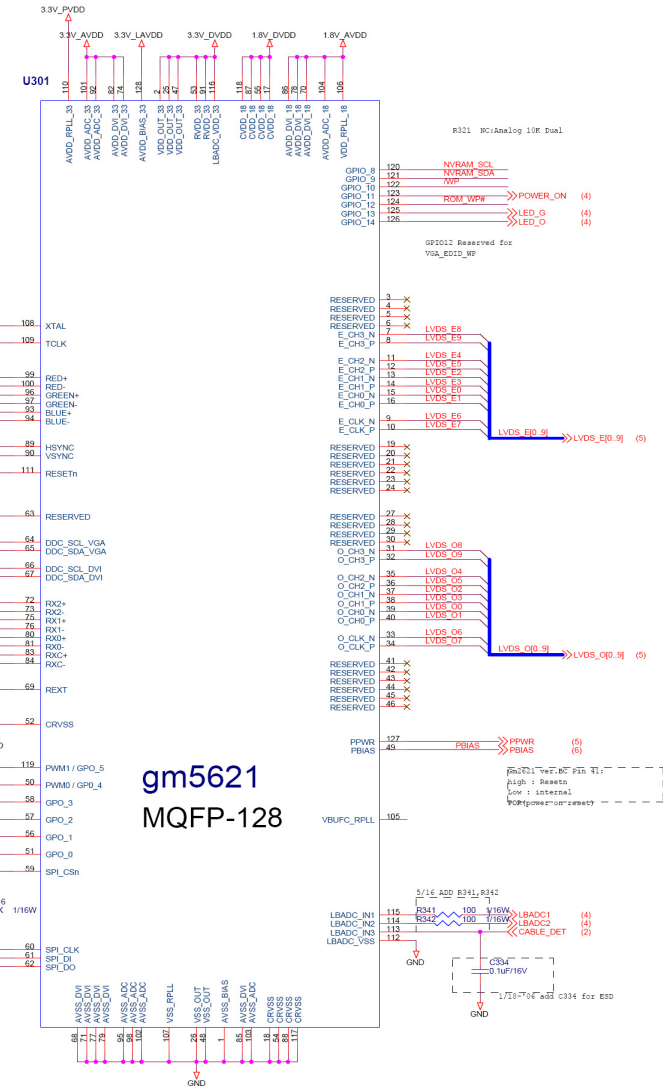
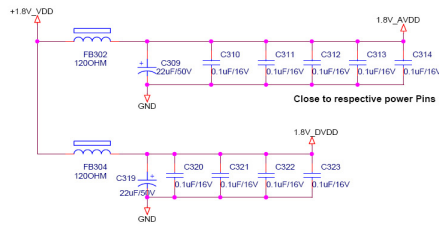
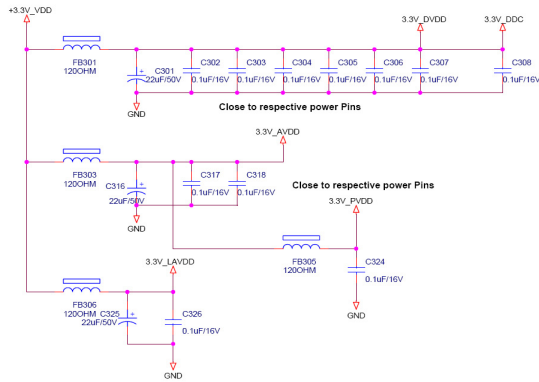
No Backlight



7.Schematic

7.1 Main Board

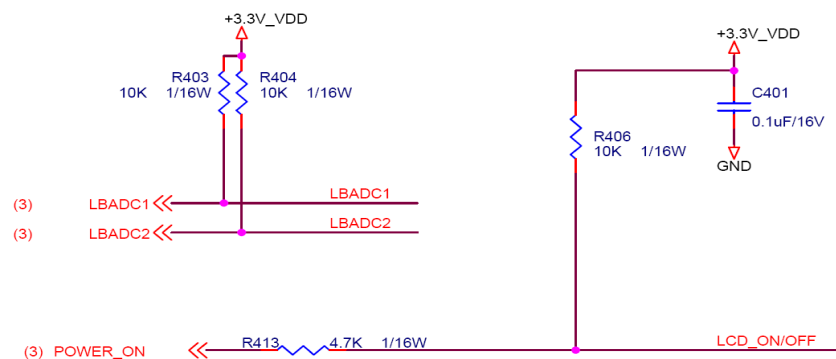
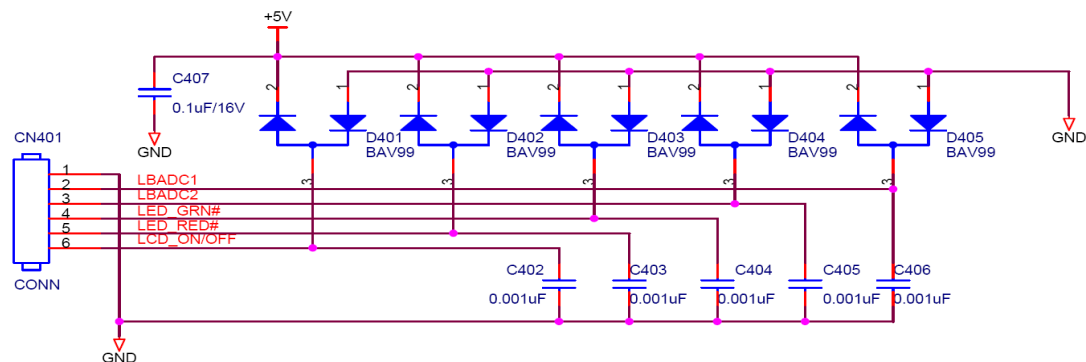




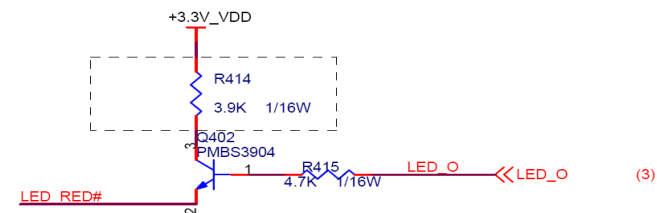
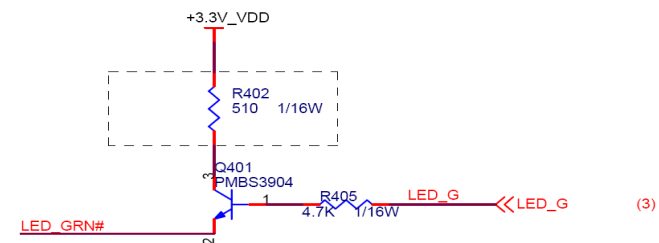
Boot-Strap Configuration:

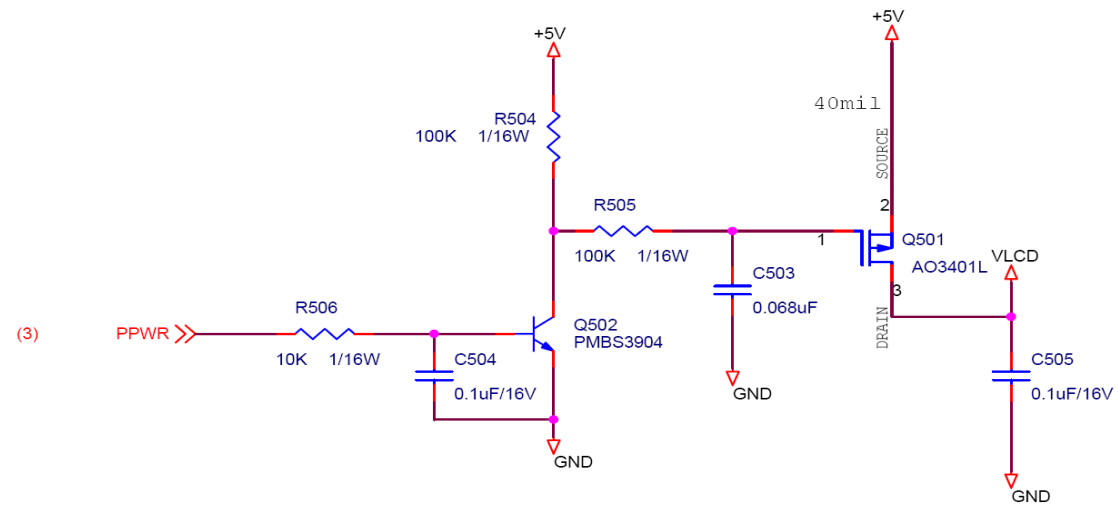
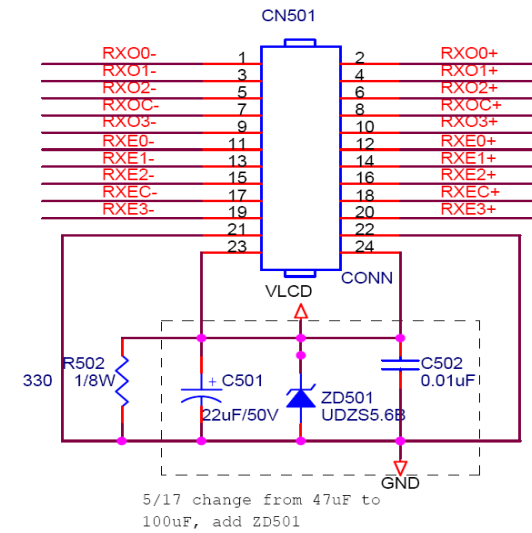
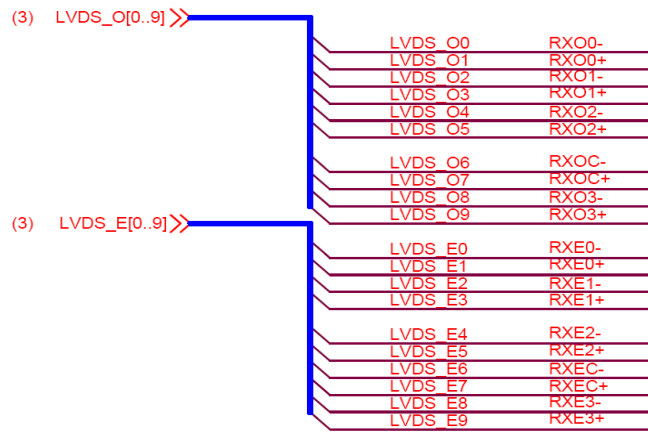
| Name | High | Low | Default |
|------------------------------|--------------------------|-------------------------|---------|
| ATMEL_EN (PWM0_Pin50) | ATMELSPI ROM (R304) | Standard SPI ROM (R324) | Low |
| UART_PIN_SEL (PWM1_Pin119) | UART on GPO (R305) | UART on DDC (R325) | High |
| V_EDID_ATMEL (SPL_CSn_Pin99) | ATMELSPI ROM (R303) | Standard SPI ROM (R323) | Low |
| GPO_0 (Pin51) | Ext. ROM JTAG Off (R315) | | High |

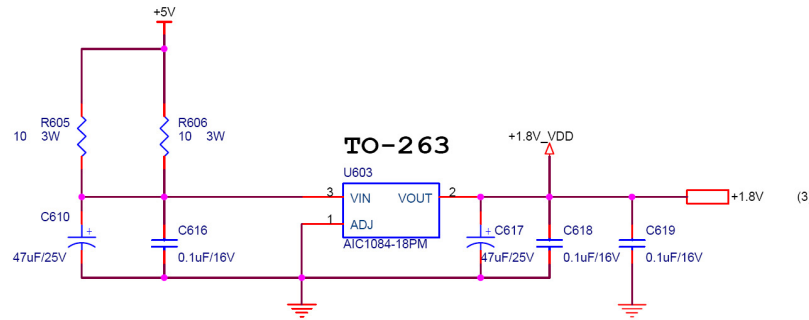
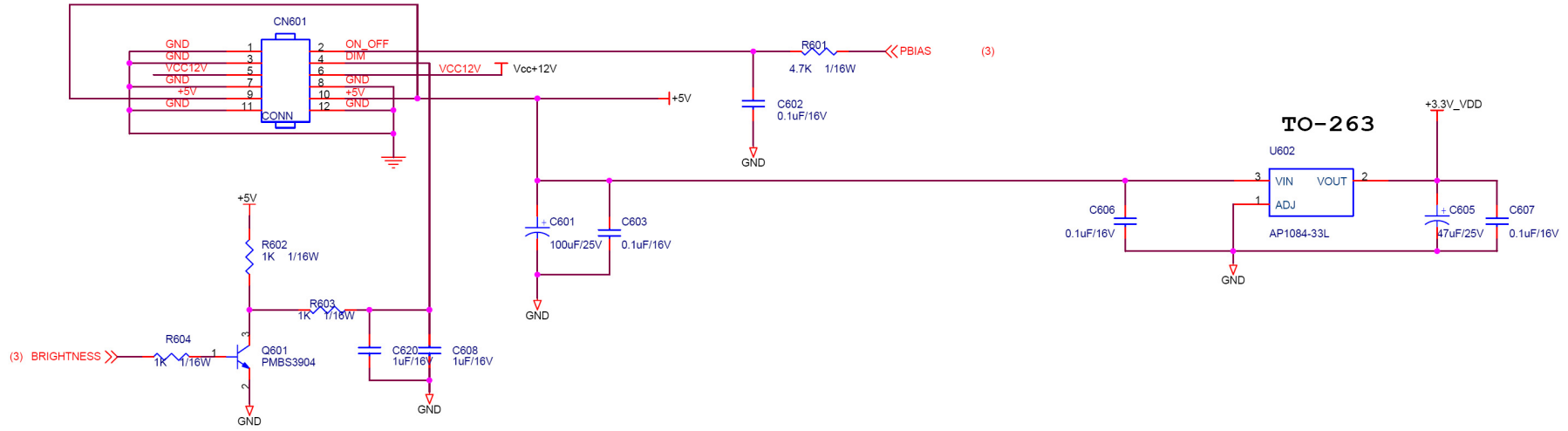




| | |
|--------|---------------------------|
| LBADC2 | KEY_ECO-->2.25V |
| | KEY_MENU-->2.46V |
| | KEY_UP-->2.71V |
| LBADC1 | KEY_OK-->2.25V |
| | KEY_DOWN-->2.46V |
| | LCD_ON/OFF -->2.71V |
| | LCD_ON + KEY_OK -->1.98 V |

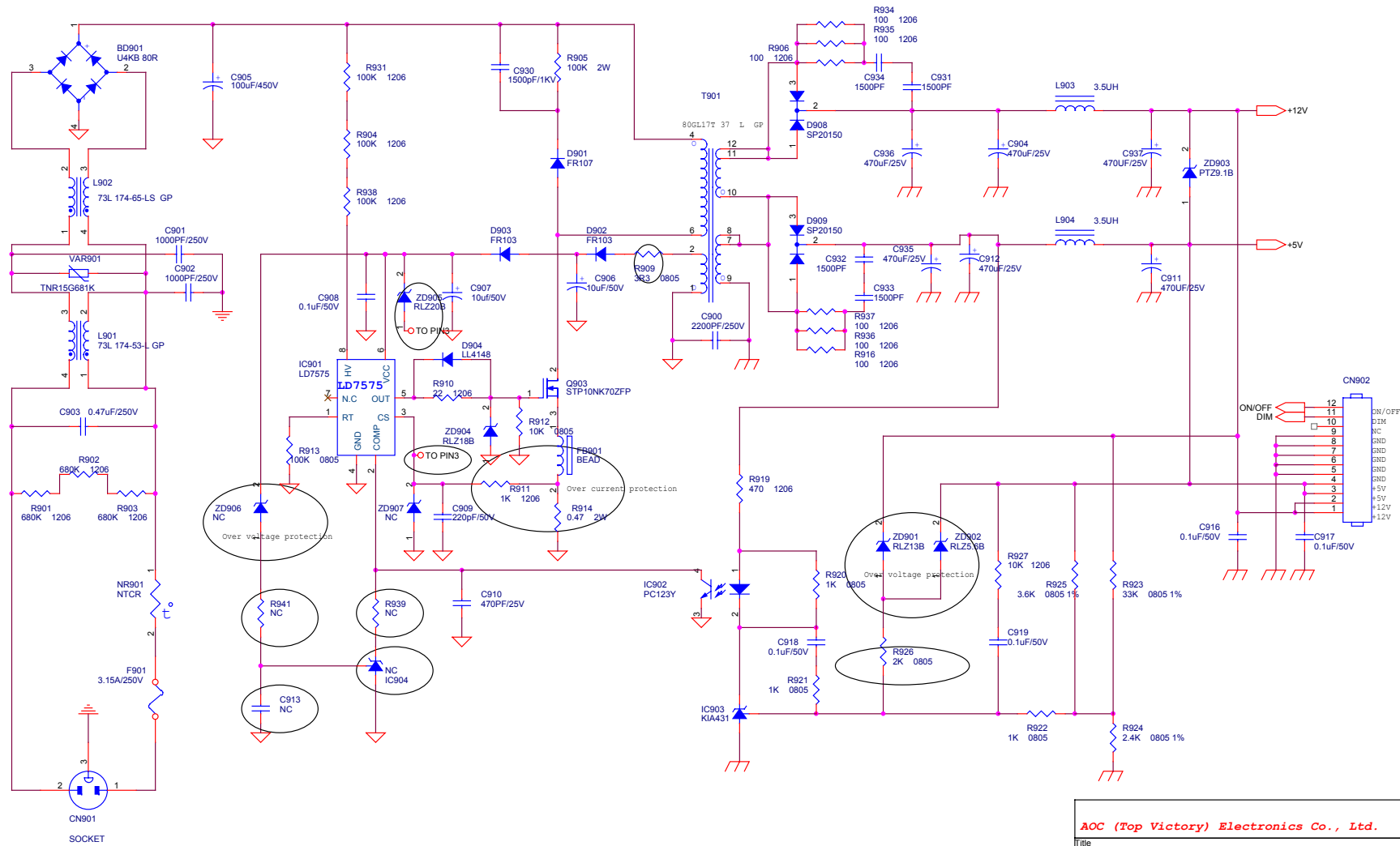




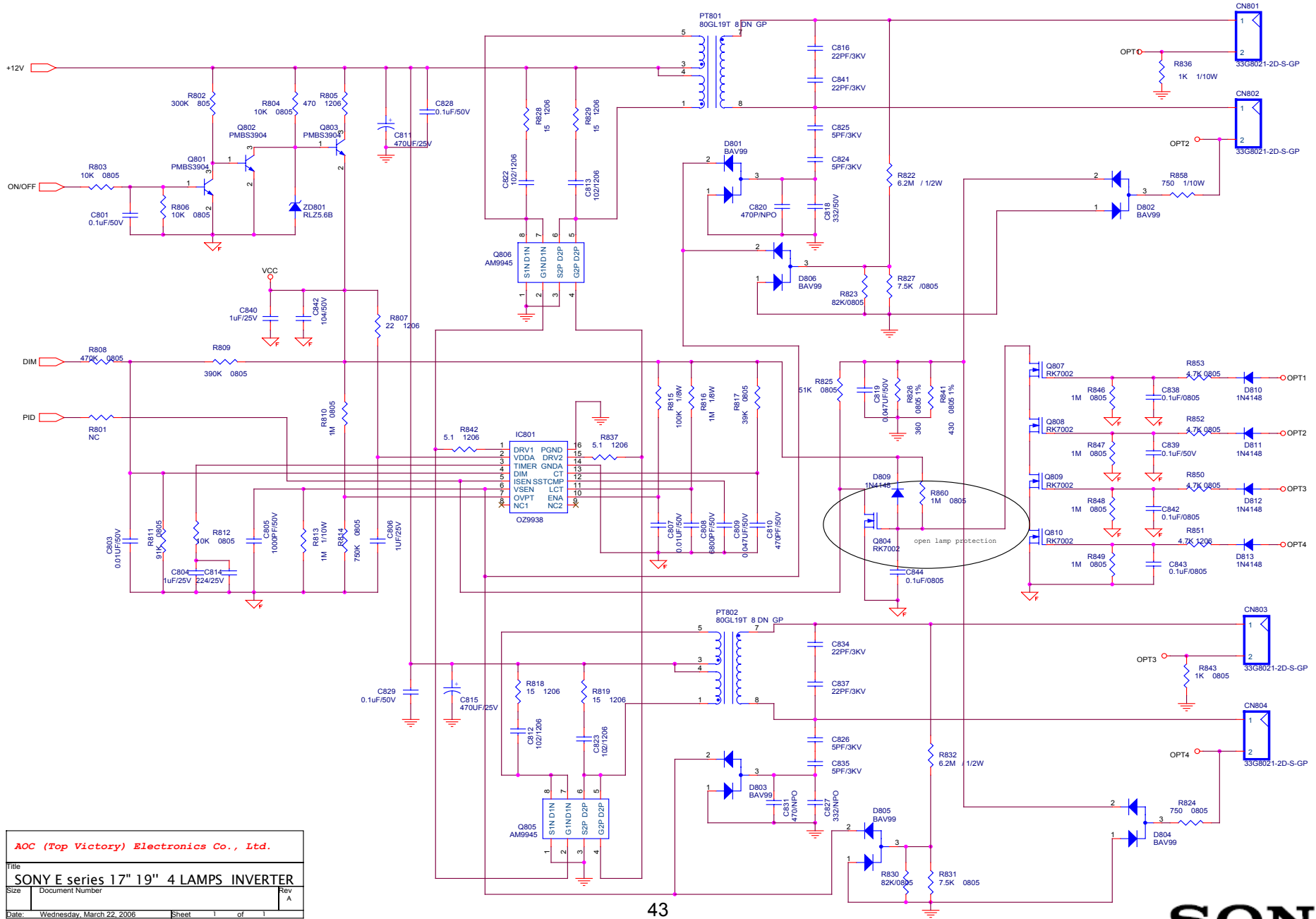


| | | |
|--------------|---------------------------|--------------|
| Title | | |
| POWER | | |
| Size | Document Number | Rev |
| B | | A |
| Date: | Wednesday, March 22, 2006 | Sheet 6 of 7 |

7.2 PWPC Board



| | | |
|---|-----------------|-------|
| AOC (Top Victory) Electronics Co., Ltd. | | |
| Title | | |
| 1. POWER OUTPUT 12V & 5V | | |
| Size | Document Number | Rev A |
| Date: Wednesday, March 22, 2006 | Sheet 1 | of 1 |

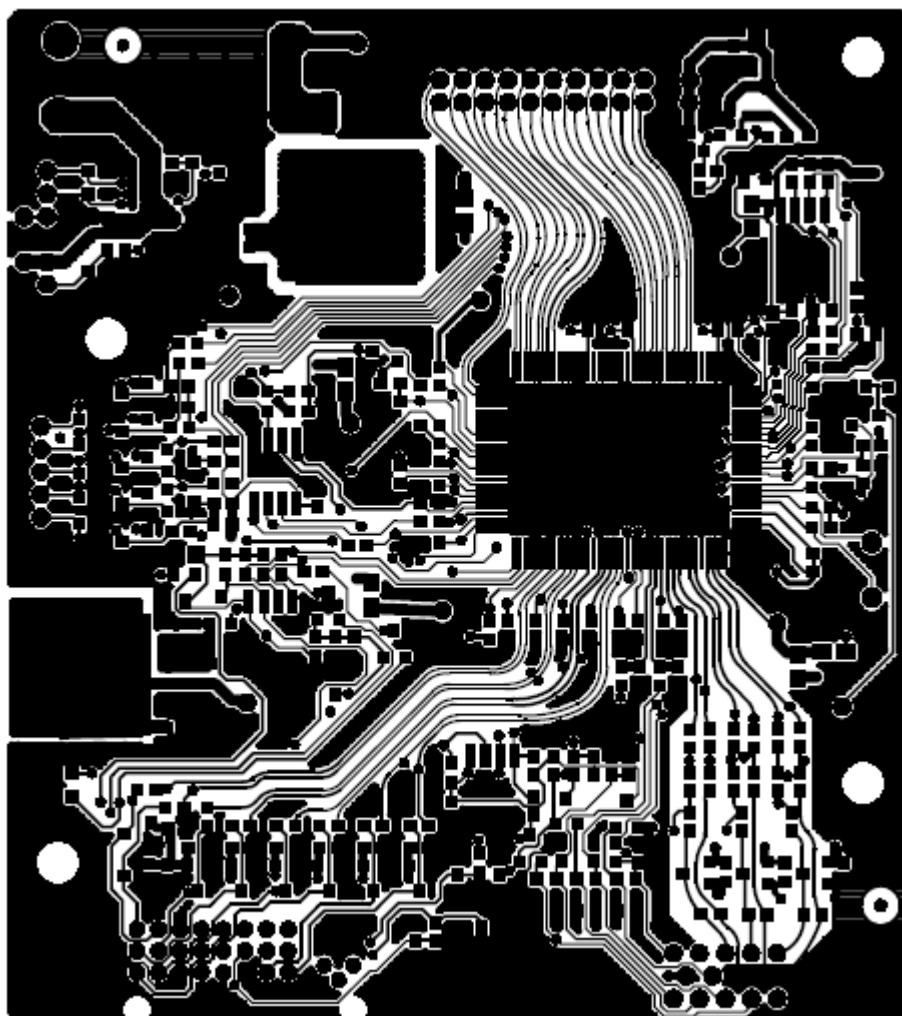


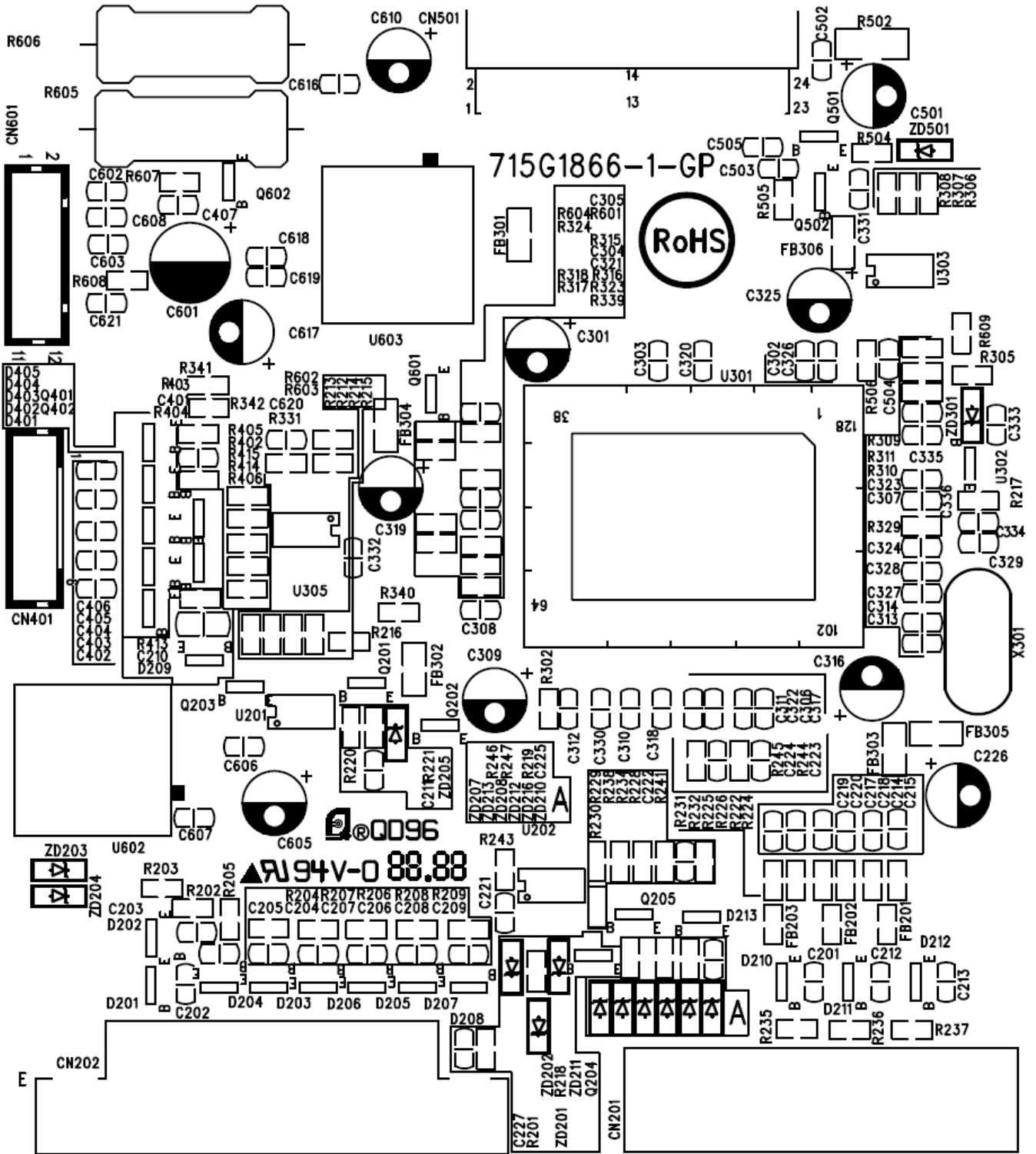
| | |
|---|-----------------|
| AOC (Top Victory) Electronics Co., Ltd. | |
| Title | |
| SONY E series 17" 19" 4 LAMPS INVERTER | |
| Size | Document Number |
| Date: Wednesday, March 22, 2006 | Sheet 1 of 1 |



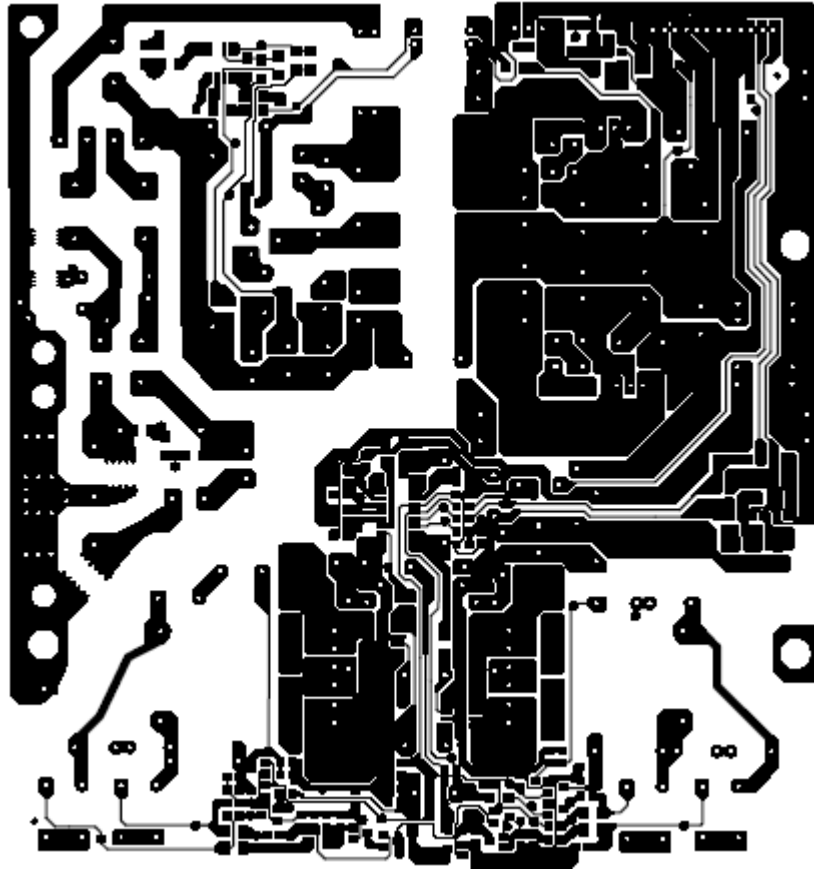
8. PCB Layout

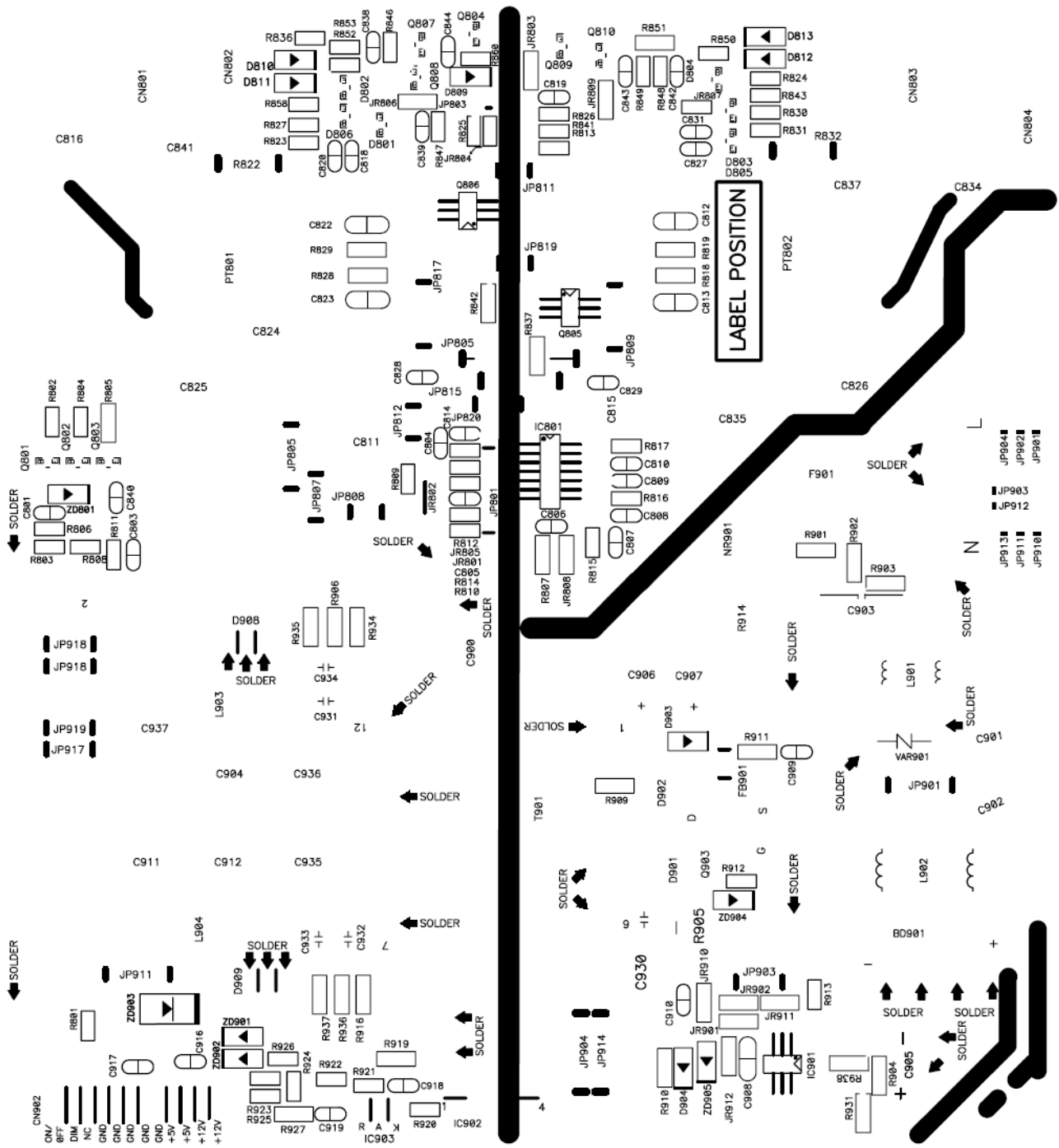
8.1 Main Board





8.2 PWPC Board





9.EDID Content

Analog

| | | | | | | | | | | | | | | | | |
|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 |
| 0: | 00 | FF | FF | FF | FF | FF | FF | 00 | 4D | D9 | 00 | B4 | 01 | 01 | 01 | 01 |
| 16: | 11 | 0F | 01 | 03 | 0E | 26 | 1E | 78 | EA | 68 | 75 | A2 | 5A | 49 | 9F | 23 |
| 32: | 13 | 50 | 54 | AD | CF | 00 | 81 | 80 | 81 | 40 | 01 | 01 | 01 | 01 | 01 | 01 |
| 48: | 01 | 01 | 01 | 01 | 01 | 01 | 30 | 2A | 00 | 98 | 51 | 00 | 2A | 40 | 30 | 70 |
| 64: | 13 | 00 | 78 | 2D | 11 | 00 | 00 | 1E | 00 | 00 | 00 | FD | 00 | 38 | 4B | 1C |
| 80: | 51 | 0E | 00 | 0A | 20 | 20 | 20 | 20 | 20 | 20 | 00 | 00 | 00 | FC | 00 | 53 |
| 96: | 44 | 4D | 2D | 45 | 39 | 36 | 44 | 0A | 20 | 20 | 20 | 20 | 00 | 00 | 00 | FF |
| 112: | 00 | 35 | 30 | 30 | 30 | 30 | 30 | 31 | 0A | 20 | 20 | 20 | 20 | 20 | 00 | 14 |

Digital

| | | | | | | | | | | | | | | | | |
|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 |
| 0: | 00 | FF | FF | FF | FF | FF | FF | 00 | 4D | D9 | 00 | B5 | 01 | 01 | 01 | 01 |
| 16: | 08 | 10 | 01 | 03 | 80 | 26 | 1E | 78 | EA | 68 | 75 | A2 | 5A | 49 | 9F | 23 |
| 32: | 13 | 50 | 54 | A1 | 08 | 00 | 81 | 80 | 81 | 40 | 01 | 01 | 01 | 01 | 01 | 01 |
| 48: | 01 | 01 | 01 | 01 | 01 | 01 | 30 | 2A | 00 | 98 | 51 | 00 | 2A | 40 | 30 | 70 |
| 64: | 13 | 00 | 78 | 2D | 11 | 00 | 00 | 1E | 00 | 00 | 00 | FD | 00 | 39 | 3F | 1C |
| 80: | 41 | 0B | 00 | 0A | 20 | 20 | 20 | 20 | 20 | 20 | 00 | 00 | 00 | FC | 00 | 53 |
| 96: | 44 | 4D | 2D | 45 | 39 | 36 | 44 | 0A | 20 | 20 | 20 | 20 | 00 | 00 | 00 | FF |
| 112: | 00 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 0A | 20 | 20 | 20 | 20 | 20 | 00 | 70 |

10. BOM List**T981KACDBS4SNP**

| Location | Part No. for TPV model | Description | Quantity |
|----------|------------------------|------------------------|----------|
| | 011G6048 1 GP | CLAMP-S | 1 |
| | 011G6051 1 GP | TWIST LOCK | 1 |
| | 011G6064 1 GP | LOCK WASHER | 4 |
| | 012G6300 12 GP | RUBBER FOOT | 2 |
| | 015G5791 1 GP | BKT-VESA | 1 |
| | 015G8350 2 GP | MAIN FRAME | 1 |
| | 015G8353 1 GP | BRACKET-R | 1 |
| | 015G8354 1 GP | BRACKET-L | 1 |
| | 015G8355 1 GP | BKT-AC | 1 |
| | 020G 043 1 WF GP | STAND | 1 |
| | 023G3178834 8A GP | LOGO | 1 |
| | 033G5027 WF L GP | HINGE COVER | 1 |
| | 034G1896 WF B GP | REAR COVER | 1 |
| | 040G 457834 5A GP | CARD LABEL | 1 |
| | 040G 457834 9A GP | CARTON LABEL | 1 |
| | 040G 45783411A GP | BLACK | 2 |
| | 040G 45783413A GP | TCO 03 | 1 |
| | 040G 58162435A GP | LABEL FOR PE BAG | 1 |
| | 045G 76 28V12 GP | PE BAG FOR MANUAL | 1 |
| | 045G 88607SY1 GP | EPE BAG FOR MONITOR | 1 |
| | 052G 1185 GP | MIDDLE TAPE FOR CARTON | 150 |
| | 052G 1186 GP | SMALL TAPE | 8 |
| | 085G 748 2 GP | SHIELD_MAIN | 1 |
| E089A | 089G1738GAA 17 GP | SIGNAL CABLE | 1 |
| E089A | 089G1738LAA 17 GP | SIGNAL CABLE | 1 |
| E089B | 089G1748GAA 8 GP | DVI CABLE | 1 |
| E089B | 089G1748LAA 8 GP | DVI CABLE | 1 |
| | 089G404A18N IS GP | POWER PORD | 1 |
| | 095G 900 78 GP | WIRE HARNESS | 1 |
| E095 | 095G8018 30110 GP | LVDS CABLE | 1 |
| | 0M1G 330 4120 GP | SCREW | 4 |
| | 0M1G 330 4120 GP | SCREW | 2 |
| | 0M1G 330 4120 GP | SCREW | 2 |
| | 0M1G 330 4120 GP | SCREW | 3 |

| | | |
|-------------------|---------------------------------|---|
| 0M1G1140 6120 GP | SCREW | 1 |
| 0M1G1730 6120 GP | M3*6 SCREW | 4 |
| 0M1G1730 6120 GP | M3*6 SCREW | 4 |
| 0M1G1740 8120 GP | M4*8 SCREW | 4 |
| 0Q1G 330 8120 GP | SCREW 3X8mm | 8 |
| 0Q1G 330 10120 GP | SCREW | 5 |
| 0Q1G1040 8120 GP | SCREW | 2 |
| 705G981KF34001 | 19" LCD BEZEL ASS'Y | 1 |
| 750GLU90N4532N GP | PANEL LCD 19" EN04 V5C SONY AUO | 1 |
| AM1G1740 10120 GP | SCREW | 2 |
| CBPC981KAC1SP | CONVERSION BAORD | 1 |
| KEPC781KS4P | KEY BOARD | 1 |
| PWPC1942AUS5P | POWER BOARD | 1 |
| Q02G7003 1 GP | SCREW | 4 |
| Q07G 8 1 10 GP | COMPOUND PALLET | 1 |
| Q37G 570 2 GP | HINGE | 1 |
| Q40G 19N83419A GP | RATING LABEL | 1 |
| Q40G 19N83422A GP | RATING LABEL | 1 |
| Q44G9002 1 GP | EPS(L) | 1 |
| Q44G9002 2 GP | EPS(R) | 1 |
| Q44G9002834 2A GP | CARTON | 1 |
| Q52G6025 11991 GP | Mylar | 1 |
| 041G7800834 2B GP | WARRANTY FOR EUR | 1 |
| 041G7800834 3A GP | POWER CORD ATTENTION FLYER | 1 |
| Q41G780083471A GP | QSG AEP | 1 |
| Q41G780083473A GP | Instruction | 1 |
| Q70G160083413A GP | CD MANUAL | 1 |
| 015G8146 1 GP | KENSINGTON BKT | 1 |
| 033G5028 1 D GP | LENS | 1 |
| 033G5029 WF X GP | STAND FOOT | 1 |
| 033G5031 QB L GP | POWER BUTTON | 1 |
| 033G5032 QB L GP | FUNTION BUTTON | 1 |
| 034G1895AQB B GP | BEZEL | 1 |
| 0Q1G 330 6120 GP | SCREW | 4 |
| 0Q1G 330 6120 GP | SCREW | 1 |
| 0Q1G 330 8120 GP | SCREW 3X8mm | 1 |
| A33G0011 QB L GP | HOLDER POWER BUTTON | 1 |

| | | | |
|-----------|-------------------|--------------------------|---|
| CN401 | 033G3802 6 J GP | WAFER | 1 |
| CN601 | 033G8027 12 J GP | WAFER | 1 |
| CN501 | 033G8027 24 HJ GP | WAFER | 1 |
| | 040G 457624 1B GP | CPU LABEL | 1 |
| | 040G 45762420A GP | CBPC LABEL 25X6mm | 1 |
| C601 | 067G215L101 4N GP | KY25VB100M-L(6.3*11) | 1 |
| C226 | 067G215L470 4N GP | KY25VB47M-L 5*11 | 1 |
| C605 | 067G215L470 4N GP | KY25VB47M-L 5*11 | 1 |
| C610 | 067G215L470 4N GP | KY25VB47M-L 5*11 | 1 |
| C617 | 067G215L470 4N GP | KY25VB47M-L 5*11 | 1 |
| C501 | 067G215Y2207NV GP | KY50VB22M-CC3 | 1 |
| C319 | 067G215Y2207NV GP | KY50VB22M-CC3 | 1 |
| C325 | 067G215Y2207NV GP | KY50VB22M-CC3 | 1 |
| C301 | 067G215Y2207NV GP | KY50VB22M-CC3 | 1 |
| C309 | 067G215Y2207NV GP | KY50VB22M-CC3 | 1 |
| C316 | 067G215Y2207NV GP | KY50VB22M-CC3 | 1 |
| CN201 | 088G 35315FH5W GP | D-SUB | 1 |
| CN202 | 088G 35424F HB GP | DV1 24PIN | 1 |
| U301 | 090G6077 2 GP | HEAT SINK | 1 |
| X301 | 093G 22 53 | CRYSTAL 14.318MHzHC-49US | 1 |
| | 705G 781 61 S8 | R605 ASS'Y | 1 |
| | 705G 781 61 S9 | R606 ASS'Y | 1 |
| | AIC981KAC1SP | MAIN BOARD FOR AI | 1 |
| SW102 | 077G 602 4 CJ GP | TACT SWITCH | 1 |
| SW101 | 077G 602 4 CJ GP | TACT SWITCH | 1 |
| SW104 | 077G 602 4 CJ GP | TACT SWITCH | 1 |
| SW103 | 077G 602 4 CJ GP | TACT SWITCH | 1 |
| SW103 | 077G 602 4 HJ GP | TACT SWITCH TSHA-2VL | 1 |
| SW104 | 077G 602 4 HJ GP | TACT SWITCH TSHA-2VL | 1 |
| SW101 | 077G 602 4 HJ GP | TACT SWITCH TSHA-2VL | 1 |
| SW102 | 077G 602 4 HJ GP | TACT SWITCH TSHA-2VL | 1 |
| JP101 | 095G8014 6J534 GP | WIRE HARNESS | 1 |
| | AIK781KS3SMTP | KEY BOARD FOR AI | 1 |
| FOR CN901 | 015G8033 1 GP | BKT_AC INLET | 1 |
| CN801 | 033G8021 2D S GP | WAFER | 1 |
| CN802 | 033G8021 2D S GP | WAFER | 1 |
| CN803 | 033G8021 2D S GP | WAFER | 1 |

| | | | |
|--------|-------------------|----------------------------|-------|
| CN804 | 033G8021 2D S GP | WAFER | 1 |
| CN801 | 033G8021 2D U GP | WAFER | 1 |
| CN802 | 033G8021 2D U GP | WAFER | 1 |
| CN803 | 033G8021 2D U GP | WAFER | 1 |
| CN804 | 033G8021 2D U GP | WAFER | 1 |
| | 040G 45762420A GP | CBPC LABEL 25X6mm | 1.040 |
| | 051G 6 4505 GP | RTV | 2 |
| IC902 | 056G 139 3A | PC123Y22FZOF | 1 |
| VAR901 | 061G 46 12 GP | TNR15G681K | 1 |
| NR901 | 061G 58080 WT GP | 8 OHM NCTR | 1 |
| C903 | 063G 10747410S GP | 0.47UF +-10% 250VAC | 1 |
| C841 | 065G 3J2206ET GP | 22PF J. 3KV.SL | 1 |
| C837 | 065G 3J2206ET GP | 22PF J. 3KV.SL | 1 |
| C834 | 065G 3J2206ET GP | 22PF J. 3KV.SL | 1 |
| C816 | 065G 3J2206ET GP | 22PF J. 3KV.SL | 1 |
| C824 | 065G 3J5096ET GP | 5PF 5% SL 3KV | 1 |
| C825 | 065G 3J5096ET GP | 5PF 5% SL 3KV | 1 |
| C826 | 065G 3J5096ET GP | 5PF 5% SL 3KV | 1 |
| C835 | 065G 3J5096ET GP | 5PF 5% SL 3KV | 1 |
| C901 | 065G306M1022BM GP | Y1.CAP.001UF 250VAC MURATA | 1 |
| C902 | 065G306M1022BM GP | Y1.CAP.001UF 250VAC MURATA | 1 |
| C900 | 065G306M2222BM GP | 2200PF +-20% 250VAC Y1 | 1 |
| C905 | 067G215S10115N GP | EC CAP 450V/100 | 1 |
| C811 | 067G215V471 4N GP | KY25VB470M-CC3 10*16 | 1 |
| C815 | 067G215V471 4N GP | KY25VB470M-CC3 10*16 | 1 |
| C904 | 067G215V471 4N GP | KY25VB470M-CC3 10*16 | 1 |
| C911 | 067G215V471 4N GP | KY25VB470M-CC3 10*16 | 1 |
| C912 | 067G215V471 4N GP | KY25VB470M-CC3 10*16 | 1 |
| C935 | 067G215V471 4N GP | KY25VB470M-CC3 10*16 | 1 |
| C936 | 067G215V471 4N GP | KY25VB470M-CC3 10*16 | 1 |
| C937 | 067G215V471 4N GP | KY25VB470M-CC3 10*16 | 1 |
| FB901 | 071G 55 29 GP | FERRITE BEAD | 1 |
| L902 | 073G 174 65 LS GP | LINE FILTER 7mH LISHIN | 1 |
| L904 | 073G 253 91 T GP | IND CHOKE 3.5uH+-10% TDK | 1 |
| L903 | 073G 253 91 T GP | IND CHOKE 3.5uH+-10% TDK | 1 |
| L904 | 073G 253 91 LS GP | CHOKE BY LI SHIN | 1 |
| L903 | 073G 253 91 LS GP | CHOKE BY LI SHIN | 1 |

| | | | |
|-------|-------------------|-----------------------------------|----|
| L901 | 073L 174 53 LG GP | CHOKE | 1 |
| L901 | 073L 174 53LSG GP | CHOKE BY LISHIN | 1 |
| T901 | 080GL17T 37 L GP | XFMR FOR POWER LITAI | 1 |
| T901 | 080GL17T 37 T GP | XFMR FOR POWER TDK | 1 |
| T901 | 080GL17T 37 LS GP | XFMR FOR POWER LISHIN | 1 |
| PT802 | 080GL19T 8 DN GP | TRANSFORMER | 1 |
| PT801 | 080GL19T 8 DN GP | TRANSFORMER | 1 |
| PT802 | 080GL19T 8 YS GP | XFMR FOR INVERTER Top nation | 1 |
| PT801 | 080GL19T 8 YS GP | XFMR FOR INVERTER Top nation | 1 |
| F901 | 084G 55 7 GP | FUSE 3.15A 250V | 1 |
| BD901 | 093G 50460 16 | U4KB80R | 1 |
| CN902 | 095G801412J545 GP | WIRE HARNESS | 1 |
| | 0M1G1730 6120 GP | M3*6 SCREW | 2 |
| | 705G 780 87 27 | CN901 ASS'Y | 1 |
| | 705G 980 57S12 | Q903 ASS'Y | 1 |
| | 705G 980 61S01 | R905 ASS'Y | 1 |
| | 705G 980 61S02 | R914 ASS'Y | 1 |
| | 705G 980 93S12 | D908 ASS'Y | 1 |
| | 705G 980 93S13 | D901 ASS'Y | 1 |
| | 705G 980 93S14 | D902 ASS'Y | 1 |
| | 705G 980 93S15 | D909 ASS'Y | 1 |
| | PW1942AUS5SMTP | POWER BOARD FOR SMT | 1 |
| R605 | 061G153M100 59 GP | 10 OHM 5% 3W | 1 |
| | 096G 29 1 GP | SHRINK TUBE UL/CSA | 14 |
| R606 | 061G153M100 59 GP | 10 OHM 5% 3W | 1 |
| | 096G 29 1 GP | SHRINK TUBE UL/CSA | 14 |
| U301 | 056G 562 97 | GM 5621-LF-AA | 1 |
| U602 | 056G 563 7 | AIC1084-33PM | 1 |
| U602 | 056G 563 21 | AP1084K33LA | 1 |
| U603 | 056G 563 34 | AIC 1084-18PM TO-263 | 1 |
| U302 | 056G 643 13 | G691L400T73UF SOT-23 GMT | 1 |
| U202 | 056G1133 34 | M24C02-WMN6TP | 1 |
| U201 | 056G1133 34 | M24C02-WMN6TP | 1 |
| U303 | 056G1133 56 | M24C16-WMN6TP | 1 |
| U305 | 056G1133 81 | SST25LF020A-33-4C-SAE | 1 |
| U305 | 056G1133 90 | IC PM25LV020-33SCE 2MB SOIC-8 PMC | 1 |
| U201 | 056G113334A | 24LC02B/SNG SOIC-8PIN | 1 |

| | | | | |
|------|----------------|----|--------------------------|---|
| U202 | 056G113334A | | 24LC02B/SNG SOIC-8PIN | 1 |
| U303 | 056G113356A | | 24LC16B/SNG SOIC-8PIN | 1 |
| U305 | 056G113365A | | SST25UF020-20-4C-SAE | 1 |
| Q401 | 057G 417 4 | | PMBS3904/PHILIPS-SMT(04) | 1 |
| Q402 | 057G 417 4 | | PMBS3904/PHILIPS-SMT(04) | 1 |
| Q502 | 057G 417 4 | | PMBS3904/PHILIPS-SMT(04) | 1 |
| Q601 | 057G 417 4 | | PMBS3904/PHILIPS-SMT(04) | 1 |
| Q202 | 057G 759 2 | | RK7002 | 1 |
| Q203 | 057G 759 2 | | RK7002 | 1 |
| Q204 | 057G 759 2 | | RK7002 | 1 |
| Q205 | 057G 759 2 | | RK7002 | 1 |
| Q201 | 057G 759 2 | | RK7002 | 1 |
| Q501 | 057G 763 1 | | A03401 SOT23 BY AOS(A1) | 1 |
| R221 | 061L0603100 2F | GP | CHIPR 10K OHM +-1% 1/10W | 1 |
| R241 | 061L0603100 2F | GP | CHIPR 10K OHM +-1% 1/10W | 1 |
| R339 | 061L0603101 | GP | CHIPR 100 OHM +-5% 1/10W | 1 |
| R311 | 061L0603101 | GP | CHIPR 100 OHM +-5% 1/10W | 1 |
| R310 | 061L0603101 | GP | CHIPR 100 OHM +-5% 1/10W | 1 |
| R309 | 061L0603101 | GP | CHIPR 100 OHM +-5% 1/10W | 1 |
| R234 | 061L0603101 | GP | CHIPR 100 OHM +-5% 1/10W | 1 |
| R232 | 061L0603101 | GP | CHIPR 100 OHM +-5% 1/10W | 1 |
| R230 | 061L0603101 | GP | CHIPR 100 OHM +-5% 1/10W | 1 |
| R226 | 061L0603101 | GP | CHIPR 100 OHM +-5% 1/10W | 1 |
| R224 | 061L0603101 | GP | CHIPR 100 OHM +-5% 1/10W | 1 |
| R342 | 061L0603101 | GP | CHIPR 100 OHM +-5% 1/10W | 1 |
| R340 | 061L0603101 | GP | CHIPR 100 OHM +-5% 1/10W | 1 |
| R341 | 061L0603101 | GP | CHIPR 100 OHM +-5% 1/10W | 1 |
| R602 | 061L0603102 | GP | CHIPR 1K OHM +-5% 1/10W | 1 |
| R603 | 061L0603102 | GP | CHIPR 1K OHM +-5% 1/10W | 1 |
| R604 | 061L0603102 | GP | CHIPR 1K OHM +-5% 1/10W | 1 |
| R329 | 061L0603102 | GP | CHIPR 1K OHM +-5% 1/10W | 1 |
| R217 | 061L0603103 | GP | CHIPR 10K OHM +-5% 1/10W | 1 |
| R201 | 061L0603103 | GP | CHIPR 10K OHM +-5% 1/10W | 1 |
| R331 | 061L0603103 | GP | CHIPR 10K OHM +-5% 1/10W | 1 |
| R403 | 061L0603103 | GP | CHIPR 10K OHM +-5% 1/10W | 1 |
| R404 | 061L0603103 | GP | CHIPR 10K OHM +-5% 1/10W | 1 |
| R406 | 061L0603103 | GP | CHIPR 10K OHM +-5% 1/10W | 1 |

| | | | | |
|------|----------------|----|---------------------------|---|
| R506 | 061L0603103 | GP | CHIPR 10K OHM +-5% 1/10W | 1 |
| R504 | 061L0603104 | GP | CHIPR 100K OHM +-5% 1/10W | 1 |
| R505 | 061L0603104 | GP | CHIPR 100K OHM +-5% 1/10W | 1 |
| R222 | 061L0603181 | GP | CHIPR 180 OHM +5% 1/16W | 1 |
| R225 | 061L0603181 | GP | CHIPR 180 OHM +5% 1/16W | 1 |
| R231 | 061L0603181 | GP | CHIPR 180 OHM +5% 1/16W | 1 |
| R202 | 061L0603220 | GP | CHIPR 22 OHM+-5% 1/10W | 1 |
| R203 | 061L0603220 | GP | CHIPR 22 OHM+-5% 1/10W | 1 |
| R204 | 061L0603220 | GP | CHIPR 22 OHM+-5% 1/10W | 1 |
| R205 | 061L0603220 | GP | CHIPR 22 OHM+-5% 1/10W | 1 |
| R206 | 061L0603220 | GP | CHIPR 22 OHM+-5% 1/10W | 1 |
| R207 | 061L0603220 | GP | CHIPR 22 OHM+-5% 1/10W | 1 |
| R208 | 061L0603220 | GP | CHIPR 22 OHM+-5% 1/10W | 1 |
| R209 | 061L0603220 | GP | CHIPR 22 OHM+-5% 1/10W | 1 |
| R245 | 061L0603221 | GP | CHIP 220 OHM 1/16W | 1 |
| R244 | 061L0603221 | GP | CHIP 220 OHM 1/16W | 1 |
| R247 | 061L0603222 | GP | CHIPR 2.2K OHM+-5% 1/10W | 1 |
| R246 | 061L0603222 | GP | CHIPR 2.2K OHM+-5% 1/10W | 1 |
| R218 | 061L0603223 | GP | CHIP 22KOHM 1/16W | 1 |
| R302 | 061L0603249 0F | GP | CHIP 249 OHM 1/16W | 1 |
| R216 | 061L0603330 | GP | CHIPR 33 OHM +-5% 1/10W | 1 |
| R215 | 061L0603330 | GP | CHIPR 33 OHM +-5% 1/10W | 1 |
| R238 | 061L0603330 1F | GP | CHIPR 3.3K OHM +-1% 1/10W | 1 |
| R220 | 061L0603330 1F | GP | CHIPR 3.3K OHM +-1% 1/10W | 1 |
| R219 | 061L0603333 | GP | CHIP 33KOHM 1/16W | 1 |
| R414 | 061L0603392 | GP | CHIP 3.9K OHM 1/10W | 1 |
| R213 | 061L0603472 | GP | CHIPR 4.7K OHM +-5% 1/10W | 1 |
| R214 | 061L0603472 | GP | CHIPR 4.7K OHM +-5% 1/10W | 1 |
| R228 | 061L0603472 | GP | CHIPR 4.7K OHM +-5% 1/10W | 1 |
| R229 | 061L0603472 | GP | CHIPR 4.7K OHM +-5% 1/10W | 1 |
| R243 | 061L0603472 | GP | CHIPR 4.7K OHM +-5% 1/10W | 1 |
| R305 | 061L0603472 | GP | CHIPR 4.7K OHM +-5% 1/10W | 1 |
| R306 | 061L0603472 | GP | CHIPR 4.7K OHM +-5% 1/10W | 1 |
| R307 | 061L0603472 | GP | CHIPR 4.7K OHM +-5% 1/10W | 1 |
| R308 | 061L0603472 | GP | CHIPR 4.7K OHM +-5% 1/10W | 1 |
| R315 | 061L0603472 | GP | CHIPR 4.7K OHM +-5% 1/10W | 1 |
| R316 | 061L0603472 | GP | CHIPR 4.7K OHM +-5% 1/10W | 1 |

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|------|----------------|----|---------------------------|---|
| R317 | 061L0603472 | GP | CHIPR 4.7K OHM +-5% 1/10W | 1 |
| R318 | 061L0603472 | GP | CHIPR 4.7K OHM +-5% 1/10W | 1 |
| R323 | 061L0603472 | GP | CHIPR 4.7K OHM +-5% 1/10W | 1 |
| R324 | 061L0603472 | GP | CHIPR 4.7K OHM +-5% 1/10W | 1 |
| R405 | 061L0603472 | GP | CHIPR 4.7K OHM +-5% 1/10W | 1 |
| R413 | 061L0603472 | GP | CHIPR 4.7K OHM +-5% 1/10W | 1 |
| R415 | 061L0603472 | GP | CHIPR 4.7K OHM +-5% 1/10W | 1 |
| R601 | 061L0603472 | GP | CHIPR 4.7K OHM +-5% 1/10W | 1 |
| R212 | 061L0603472 | GP | CHIPR 4.7K OHM +-5% 1/10W | 1 |
| R402 | 061L0603511 | GP | CHIPR 510 OHM+-5% 1/10W | 1 |
| R237 | 061L0603750 | GP | CHIPR 75 OHM+-5% 1/10W | 1 |
| R236 | 061L0603750 | GP | CHIPR 75 OHM+-5% 1/10W | 1 |
| R235 | 061L0603750 | GP | CHIPR 75 OHM+-5% 1/10W | 1 |
| R502 | 061L1206331 | GP | CHIP 330 OHM 5% | 1 |
| C203 | 065G0603102 32 | GP | 1000PF +-10% 50V X7R | 1 |
| C202 | 065G0603102 32 | GP | 1000PF +-10% 50V X7R | 1 |
| C208 | 065G0603102 32 | GP | 1000PF +-10% 50V X7R | 1 |
| C209 | 065G0603102 32 | GP | 1000PF +-10% 50V X7R | 1 |
| C225 | 065G0603102 32 | GP | 1000PF +-10% 50V X7R | 1 |
| C402 | 065G0603102 32 | GP | 1000PF +-10% 50V X7R | 1 |
| C403 | 065G0603102 32 | GP | 1000PF +-10% 50V X7R | 1 |
| C404 | 065G0603102 32 | GP | 1000PF +-10% 50V X7R | 1 |
| C405 | 065G0603102 32 | GP | 1000PF +-10% 50V X7R | 1 |
| C406 | 065G0603102 32 | GP | 1000PF +-10% 50V X7R | 1 |
| C204 | 065G0603102 32 | GP | 1000PF +-10% 50V X7R | 1 |
| C205 | 065G0603102 32 | GP | 1000PF +-10% 50V X7R | 1 |
| C206 | 065G0603102 32 | GP | 1000PF +-10% 50V X7R | 1 |
| C207 | 065G0603102 32 | GP | 1000PF +-10% 50V X7R | 1 |
| C502 | 065G0603103 32 | GP | CHIP 0.01UF 50V X7R | 1 |
| C220 | 065G0603103 32 | GP | CHIP 0.01UF 50V X7R | 1 |
| C219 | 065G0603103 32 | GP | CHIP 0.01UF 50V X7R | 1 |
| C218 | 065G0603103 32 | GP | CHIP 0.01UF 50V X7R | 1 |
| C217 | 065G0603103 32 | GP | CHIP 0.01UF 50V X7R | 1 |
| C215 | 065G0603103 32 | GP | CHIP 0.01UF 50V X7R | 1 |
| C214 | 065G0603103 32 | GP | CHIP 0.01UF 50V X7R | 1 |
| C618 | 065G0603104 12 | GP | CHIP 0.1UF 16V X7R | 1 |
| C619 | 065G0603104 12 | GP | CHIP 0.1UF 16V X7R | 1 |

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|------|-------------------|--------------------|---|
| C324 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C323 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C322 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C321 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C320 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C318 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C317 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C314 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C313 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C312 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C311 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C310 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C308 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C616 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C505 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C504 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C407 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C401 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C336 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C335 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C334 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C333 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C332 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C330 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C326 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C602 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C603 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C606 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C607 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C201 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C211 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C212 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C213 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C221 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C222 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C227 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C302 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |

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|-------|-------------------|--------------------------|---|
| C303 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C304 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C305 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C306 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C307 | 065G0603104 12 GP | CHIP 0.1UF 16V X7R | 1 |
| C620 | 065G0603105 12 GP | CHIP 1UF 50V X7R | 1 |
| C608 | 065G0603105 12 GP | CHIP 1UF 50V X7R | 1 |
| C331 | 065G0603224 17 GP | CAP 0.22UF 110V | 1 |
| C327 | 065G0603330 31 GP | 33PF+-5% 50V NPO | 1 |
| C328 | 065G0603330 31 GP | 33PF+-5% 50V NPO | 1 |
| C503 | 065G0603683 32 GP | CHIP 0.068UF 50V X7R | 1 |
| C210 | 065G0805105 22 GP | CHIP 1UF 25V X7R 0805 | 1 |
| FB301 | 071G 56K121 M GP | 120 OHM 6A | 1 |
| FB302 | 071G 56K121 M GP | 120 OHM 6A | 1 |
| FB303 | 071G 56K121 M GP | 120 OHM 6A | 1 |
| FB304 | 071G 56K121 M GP | 120 OHM 6A | 1 |
| FB305 | 071G 56K121 M GP | 120 OHM 6A | 1 |
| FB306 | 071G 56K121 M GP | 120 OHM 6A | 1 |
| FB201 | 071G 59C800 GP | CHIP BEAD | 1 |
| FB202 | 071G 59C800 GP | CHIP BEAD | 1 |
| FB203 | 071G 59C800 GP | CHIP BEAD | 1 |
| D201 | 093G 64 33 | DIO SIG SM BAV99 (PHSE)R | 1 |
| D202 | 093G 64 33 | DIO SIG SM BAV99 (PHSE)R | 1 |
| D203 | 093G 64 33 | DIO SIG SM BAV99 (PHSE)R | 1 |
| D204 | 093G 64 33 | DIO SIG SM BAV99 (PHSE)R | 1 |
| D205 | 093G 64 33 | DIO SIG SM BAV99 (PHSE)R | 1 |
| D206 | 093G 64 33 | DIO SIG SM BAV99 (PHSE)R | 1 |
| D207 | 093G 64 33 | DIO SIG SM BAV99 (PHSE)R | 1 |
| D208 | 093G 64 33 | DIO SIG SM BAV99 (PHSE)R | 1 |
| D210 | 093G 64 33 | DIO SIG SM BAV99 (PHSE)R | 1 |
| D211 | 093G 64 33 | DIO SIG SM BAV99 (PHSE)R | 1 |
| D212 | 093G 64 33 | DIO SIG SM BAV99 (PHSE)R | 1 |
| D401 | 093G 64 33 | DIO SIG SM BAV99 (PHSE)R | 1 |
| D402 | 093G 64 33 | DIO SIG SM BAV99 (PHSE)R | 1 |
| D403 | 093G 64 33 | DIO SIG SM BAV99 (PHSE)R | 1 |
| D404 | 093G 64 33 | DIO SIG SM BAV99 (PHSE)R | 1 |
| D405 | 093G 64 33 | DIO SIG SM BAV99 (PHSE)R | 1 |

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|-------|-------------------|--|-----------------------|---|
| D209 | 093G 64 42 PP | | BAV70 SOT-23 | 1 |
| D213 | 093G 64 42 PP | | BAV70 SOT-23 | 1 |
| ZD201 | 093G 39P599 T | | MM3Z5V6B | 1 |
| ZD202 | 093G 39P599 T | | MM3Z5V6B | 1 |
| ZD203 | 093G 39P599 T | | MM3Z5V6B | 1 |
| ZD204 | 093G 39P599 T | | MM3Z5V6B | 1 |
| ZD207 | 093G 39P599 T | | MM3Z5V6B | 1 |
| ZD208 | 093G 39P599 T | | MM3Z5V6B | 1 |
| ZD210 | 093G 39P599 T | | MM3Z5V6B | 1 |
| ZD212 | 093G 39P599 T | | MM3Z5V6B | 1 |
| ZD213 | 093G 39P599 T | | MM3Z5V6B | 1 |
| ZD216 | 093G 39P599 T | | MM3Z5V6B | 1 |
| ZD301 | 093G 39P599 T | | MM3Z5V6B | 1 |
| ZD501 | 093G 39P599 T | | MM3Z5V6B | 1 |
| ZD201 | 093G 39S 34 T | | UDZS5.6B | 1 |
| ZD202 | 093G 39S 34 T | | UDZS5.6B | 1 |
| ZD203 | 093G 39S 34 T | | UDZS5.6B | 1 |
| ZD204 | 093G 39S 34 T | | UDZS5.6B | 1 |
| ZD207 | 093G 39S 34 T | | UDZS5.6B | 1 |
| ZD208 | 093G 39S 34 T | | UDZS5.6B | 1 |
| ZD210 | 093G 39S 34 T | | UDZS5.6B | 1 |
| ZD212 | 093G 39S 34 T | | UDZS5.6B | 1 |
| ZD213 | 093G 39S 34 T | | UDZS5.6B | 1 |
| ZD216 | 093G 39S 34 T | | UDZS5.6B | 1 |
| ZD301 | 093G 39S 34 T | | UDZS5.6B | 1 |
| ZD501 | 093G 39S 34 T | | UDZS5.6B | 1 |
| | 715G1866 1 GP | | MAIN BOARD | 1 |
| R104 | 061L0603223 GP | | CHIP 22KOHM 1/16W | 1 |
| R105 | 061L0603303 GP | | CHIP 30K OHM 5% 1/10W | 1 |
| R102 | 061L0603303 GP | | CHIP 30K OHM 5% 1/10W | 1 |
| R103 | 061L0603473 GP | | CHIP 47K OHM 1/10W | 1 |
| C105 | 065G0603102 32 GP | | 1000PF +-10% 50V X7R | 1 |
| C104 | 065G0603102 32 GP | | 1000PF +-10% 50V X7R | 1 |
| C103 | 065G0603102 32 GP | | 1000PF +-10% 50V X7R | 1 |
| C102 | 065G0603102 32 GP | | 1000PF +-10% 50V X7R | 1 |
| C101 | 065G0603102 32 GP | | 1000PF +-10% 50V X7R | 1 |
| C110 | 065G0603104 32 GP | | CHIP 0.1UF 50V X7R | 1 |

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| C109 | 065G0603104 32 GP | CHIP 0.1UF 50V X7R | 1 |
| C108 | 065G0603104 32 GP | CHIP 0.1UF 50V X7R | 1 |
| C107 | 065G0603104 32 GP | CHIP 0.1UF 50V X7R | 1 |
| C106 | 065G0603104 32 GP | CHIP 0.1UF 50V X7R | 1 |
| SW105 | 077G 606 4 HJ GP | TACT SWITCH CHIP TSSB-2L | 1 |
| DP101 | 081G 14 6A KT GP | LED | 1 |
| ZD101 | 093G 39P599 T | MM3Z5V6B | 1 |
| ZD102 | 093G 39P599 T | MM3Z5V6B | 1 |
| ZD103 | 093G 39P599 T | MM3Z5V6B | 1 |
| ZD104 | 093G 39P599 T | MM3Z5V6B | 1 |
| ZD105 | 093G 39P599 T | MM3Z5V6B | 1 |
| ZD104 | 093G 39S 34 T | UDZS5.6B | 1 |
| ZD105 | 093G 39S 34 T | UDZS5.6B | 1 |
| ZD101 | 093G 39S 34 T | UDZS5.6B | 1 |
| ZD102 | 093G 39S 34 T | UDZS5.6B | 1 |
| ZD103 | 093G 39S 34 T | UDZS5.6B | 1 |
| | 715G1867 1 GP | KEY BOARD | 1 |
| | 052G6025 12113 GP | MYLAR | 2 |
| CN901 | 087G 501 27 RF GP | AC SOCKET | 1 |
| Q903 | 057G 667 21 | STP10NK70ZFP | 1 |
| | 090G6064 1 GP | HEAT SINK | 1 |
| | AM1G1730 8120 GP | SCREW | 1 |
| R905 | 061G152M10458F GP | 100K OHM 5% 2W | 1 |
| | 096G 29 6 GP | SHRINK TUBE UL/CSA | 20 |
| R914 | 061G152M47858F GP | RST MOFR 0.47OHM +-5% 2WS | 1 |
| | 096G 29 6 GP | SHRINK TUBE UL/CSA | 20 |
| | 090G6241 2 GP | HEAT SINK | 1 |
| D908 | 093G 60252 | SP20150 | 1 |
| | AM1G1730 8120 GP | SCREW | 1 |
| D901 | 093G 6026T52T | RECTIFIER DIODE FR107 | 1 |
| | 096G 29 1 GP | SHRINK TUBE UL/CSA | 15 |
| D902 | 093G 6038T52T | FR103 | 1 |
| | 096G 29 1 GP | SHRINK TUBE UL/CSA | 15 |
| | 090G6241 2 GP | HEAT SINK | 1 |
| D909 | 093G 60252 | SP20150 | 1 |
| | AM1G1730 8120 GP | SCREW | 1 |
| IC901 | 056G 379 61 | LD7575PS SOP-8 | 1 |

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|-------|-------------|----|--------------------------|---|
| IC801 | 056G 608 10 | | 0Z9938 | 1 |
| Q803 | 057G 417 4 | | PMBS3904/PHILIPS-SMT(04) | 1 |
| Q802 | 057G 417 4 | | PMBS3904/PHILIPS-SMT(04) | 1 |
| Q801 | 057G 417 4 | | PMBS3904/PHILIPS-SMT(04) | 1 |
| Q806 | 057G 600 55 | | P5506 HVG SO-8 | 1 |
| Q805 | 057G 600 55 | | P5506 HVG SO-8 | 1 |
| Q807 | 057G 759 2 | | RK7002 | 1 |
| Q808 | 057G 759 2 | | RK7002 | 1 |
| Q809 | 057G 759 2 | | RK7002 | 1 |
| Q810 | 057G 759 2 | | RK7002 | 1 |
| Q804 | 057G 759 2 | | RK7002 | 1 |
| Q805 | 057G 763 14 | | AM9945N | 1 |
| Q806 | 057G 763 14 | | AM9945N | 1 |
| JR801 | 061L0805000 | GP | CHIP O OHM 1/8W | 1 |
| JR804 | 061L0805000 | GP | CHIP O OHM 1/8W | 1 |
| JR805 | 061L0805000 | GP | CHIP O OHM 1/8W | 1 |
| JR807 | 061L0805000 | GP | CHIP O OHM 1/8W | 1 |
| R836 | 061L0805102 | GP | CHIPR 1K OHM +-5% 1/8W | 1 |
| R843 | 061L0805102 | GP | CHIPR 1K OHM +-5% 1/8W | 1 |
| R920 | 061L0805102 | GP | CHIPR 1K OHM +-5% 1/8W | 1 |
| R921 | 061L0805102 | GP | CHIPR 1K OHM +-5% 1/8W | 1 |
| R922 | 061L0805102 | GP | CHIPR 1K OHM +-5% 1/8W | 1 |
| R912 | 061L0805103 | GP | CHIPR 10K OHM +-5% 1/8W | 1 |
| R812 | 061L0805103 | GP | CHIPR 10K OHM +-5% 1/8W | 1 |
| R806 | 061L0805103 | GP | CHIPR 10K OHM +-5% 1/8W | 1 |
| R804 | 061L0805103 | GP | CHIPR 10K OHM +-5% 1/8W | 1 |
| R803 | 061L0805103 | GP | CHIPR 10K OHM +-5% 1/8W | 1 |
| R913 | 061L0805104 | GP | CHIPR 100K OHM+-5% 1/8W | 1 |
| R815 | 061L0805104 | GP | CHIPR 100K OHM+-5% 1/8W | 1 |
| R860 | 061L0805105 | GP | CHIP IMOHM 0805 | 1 |
| R849 | 061L0805105 | GP | CHIP IMOHM 0805 | 1 |
| R848 | 061L0805105 | GP | CHIP IMOHM 0805 | 1 |
| R847 | 061L0805105 | GP | CHIP IMOHM 0805 | 1 |
| R846 | 061L0805105 | GP | CHIP IMOHM 0805 | 1 |
| R816 | 061L0805105 | GP | CHIP IMOHM 0805 | 1 |
| R813 | 061L0805105 | GP | CHIP IMOHM 0805 | 1 |
| R810 | 061L0805105 | GP | CHIP IMOHM 0805 | 1 |

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|-------|----------------|----|------------------------------|---|
| R926 | 061L0805202 | GP | RST CHIPR 2KOHM +-5% 1/8W | 1 |
| R924 | 061L0805240 1F | GP | CHIPR 2.4KOHM +-1% 1/8W | 1 |
| R802 | 061L0805304 | GP | RST CHIPR 300KOHM +-5% 1/8W | 1 |
| R923 | 061L0805330 2F | GP | CHIP 33KOHM 1/8W +-1% | 1 |
| R826 | 061L0805360 0F | GP | RST CHIPR 360OHM +-1% 1/8W | 1 |
| R925 | 061L0805360 1F | GP | CHIP 3.6KOHM 1/8W 1% | 1 |
| R817 | 061L0805393 | GP | RST CHIPR 39KOHM +/-5% 1/8W | 1 |
| R809 | 061L0805394 | GP | RST CHIPR 390KOHM +-5% 1/8W | 1 |
| R841 | 061L0805430 0F | GP | RST CHIPR 430OHM +-1% 1/8W | 1 |
| R850 | 061L0805472 | GP | CHIPR 4.7K OHM +-5% 1/8W | 1 |
| R852 | 061L0805472 | GP | CHIPR 4.7K OHM +-5% 1/8W | 1 |
| R853 | 061L0805472 | GP | CHIPR 4.7K OHM +-5% 1/8W | 1 |
| R808 | 061L0805474 | GP | RST CHIPR 470KOHM +-5% 1/8W | 1 |
| R825 | 061L0805513 | GP | CHIP 51 KOHM 0805 | 1 |
| R858 | 061L0805751 | GP | RST CHIPR 750OHM +-5% 1/8W | 1 |
| R824 | 061L0805751 | GP | RST CHIPR 750OHM +-5% 1/8W | 1 |
| R827 | 061L0805752 | GP | RST CHIPR 7.5KOHM +/-5% 1/8W | 1 |
| R831 | 061L0805752 | GP | RST CHIPR 7.5KOHM +/-5% 1/8W | 1 |
| R814 | 061L0805754 | GP | RST CHIPR 750KOHM +-5% 1/8W | 1 |
| R830 | 061L0805823 | GP | CHIPR 82K OHM+-5% 1/8W | 1 |
| R823 | 061L0805823 | GP | CHIPR 82K OHM+-5% 1/8W | 1 |
| R811 | 061L0805913 | GP | CHIP 91K OHM 0805 | 1 |
| JR803 | 061L1206000 | GP | CHIPR 0 OHM +-5% 1/4W | 1 |
| JR901 | 061L1206000 | GP | CHIPR 0 OHM +-5% 1/4W | 1 |
| JR808 | 061L1206000 | GP | CHIPR 0 OHM +-5% 1/4W | 1 |
| JR809 | 061L1206000 | GP | CHIPR 0 OHM +-5% 1/4W | 1 |
| JR806 | 061L1206000 | GP | CHIPR 0 OHM +-5% 1/4W | 1 |
| JR902 | 061L1206000 | GP | CHIPR 0 OHM +-5% 1/4W | 1 |
| JR910 | 061L1206000 | GP | CHIPR 0 OHM +-5% 1/4W | 1 |
| JR911 | 061L1206000 | GP | CHIPR 0 OHM +-5% 1/4W | 1 |
| JR912 | 061L1206000 | GP | CHIPR 0 OHM +-5% 1/4W | 1 |
| R937 | 061L1206101 | GP | CHIP 100 OHM 5% 1/4W | 1 |
| R936 | 061L1206101 | GP | CHIP 100 OHM 5% 1/4W | 1 |
| R935 | 061L1206101 | GP | CHIP 100 OHM 5% 1/4W | 1 |
| R934 | 061L1206101 | GP | CHIP 100 OHM 5% 1/4W | 1 |
| R916 | 061L1206101 | GP | CHIP 100 OHM 5% 1/4W | 1 |
| R906 | 061L1206101 | GP | CHIP 100 OHM 5% 1/4W | 1 |

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|------|----------------|----|-----------------------------|---|
| R911 | 061L1206102 | GP | CHIP 1K OHM 5% 1/4W | 1 |
| R927 | 061L1206103 | GP | CHIP 10KOHM 5% 1/4W | 1 |
| R938 | 061L1206104 | GP | RST CHIPR 100KOHM +-1% 1/4W | 1 |
| R904 | 061L1206104 | GP | RST CHIPR 100KOHM +-1% 1/4W | 1 |
| R931 | 061L1206104 | GP | RST CHIPR 100KOHM +-1% 1/4W | 1 |
| R819 | 061L1206150 | GP | RST CHIPR 15OHM +-5% 1/4W | 1 |
| R818 | 061L1206150 | GP | RST CHIPR 15OHM +-5% 1/4W | 1 |
| R828 | 061L1206150 | GP | RST CHIPR 15OHM +-5% 1/4W | 1 |
| R829 | 061L1206150 | GP | RST CHIPR 15OHM +-5% 1/4W | 1 |
| R807 | 061L1206220 | GP | 22 OHM/1206 | 1 |
| R910 | 061L1206220 | GP | 22 OHM/1206 | 1 |
| R909 | 061L1206339 | GP | RST CHIPR 3.3OHM +-5% 1/4W | 1 |
| R805 | 061L1206471 | GP | CHIP 470 OHM 1/8W | 1 |
| R919 | 061L1206471 | GP | CHIP 470 OHM 1/8W | 1 |
| R851 | 061L1206472 | GP | CHIP 4.7KOHM 5% 1/4W | 1 |
| R837 | 061L1206519 | GP | CHIPR 5.1 OHM +-5% 1/4W | 1 |
| R842 | 061L1206519 | GP | CHIPR 5.1 OHM +-5% 1/4W | 1 |
| R901 | 061L1206684 | GP | CHIPR 680K OHM+-5% 1/4W | 1 |
| R903 | 061L1206684 | GP | CHIPR 680K OHM+-5% 1/4W | 1 |
| R902 | 061L1206684 | GP | CHIPR 680K OHM+-5% 1/4W | 1 |
| C805 | 065G0805102 31 | GP | CHIP 1000PF 50V NPO 0805 | 1 |
| C803 | 065G0805103 32 | GP | MLCC 0805 10NF K 50V X7R | 1 |
| C807 | 065G0805103 32 | GP | MLCC 0805 10NF K 50V X7R | 1 |
| C828 | 065G0805104 32 | GP | CHIP 0.1UF 50V X7R | 1 |
| C919 | 065G0805104 32 | GP | CHIP 0.1UF 50V X7R | 1 |
| C838 | 065G0805104 32 | GP | CHIP 0.1UF 50V X7R | 1 |
| C839 | 065G0805104 32 | GP | CHIP 0.1UF 50V X7R | 1 |
| C843 | 065G0805104 32 | GP | CHIP 0.1UF 50V X7R | 1 |
| C844 | 065G0805104 32 | GP | CHIP 0.1UF 50V X7R | 1 |
| C801 | 065G0805104 32 | GP | CHIP 0.1UF 50V X7R | 1 |
| C917 | 065G0805104 32 | GP | CHIP 0.1UF 50V X7R | 1 |
| C918 | 065G0805104 32 | GP | CHIP 0.1UF 50V X7R | 1 |
| C829 | 065G0805104 32 | GP | CHIP 0.1UF 50V X7R | 1 |
| C842 | 065G0805104 32 | GP | CHIP 0.1UF 50V X7R | 1 |
| C916 | 065G0805104 32 | GP | CHIP 0.1UF 50V X7R | 1 |
| C804 | 065G0805105 22 | GP | CHIP 1UF 25V X7R 0805 | 1 |
| C806 | 065G0805105 22 | GP | CHIP 1UF 25V X7R 0805 | 1 |

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|-------|-------------------|----------------------------|---|
| C840 | 065G0805105 22 GP | CHIP 1UF 25V X7R 0805 | 1 |
| C909 | 065G0805221 31 GP | MLCC 0805 220PF J 50V NPO | 1 |
| C814 | 065G0805224 22 GP | CAIP CAP 0.22 uF 25V X7R | 1 |
| C827 | 065G0805332 32 GP | MLCC 0805 3300PF K 50V X7R | 1 |
| C818 | 065G0805332 32 GP | MLCC 0805 3300PF K 50V X7R | 1 |
| C810 | 065G0805471 31 GP | MLCC 0805 470PF J 50V NPO | 1 |
| C910 | 065G0805471 31 GP | MLCC 0805 470PF J 50V NPO | 1 |
| C820 | 065G0805471 31 GP | MLCC 0805 470PF J 50V NPO | 1 |
| C831 | 065G0805471 31 GP | MLCC 0805 470PF J 50V NPO | 1 |
| C809 | 065G0805473 32 GP | MLCC 0805 47NF K 50V X7R | 1 |
| C819 | 065G0805473 32 GP | MLCC 0805 47NF K 50V X7R | 1 |
| C808 | 065G0805682 31 GP | MLCC 0805 6800PF J 50V NPO | 1 |
| C823 | 065G1206102 72 GP | CHIP 1000PF 500V X7R | 1 |
| C822 | 065G1206102 72 GP | CHIP 1000PF 500V X7R | 1 |
| C813 | 065G1206102 72 GP | CHIP 1000PF 500V X7R | 1 |
| C812 | 065G1206102 72 GP | CHIP 1000PF 500V X7R | 1 |
| C908 | 065G1206104 32 GP | CHIP 0.1UF 25V X7R 1206 | 1 |
| D806 | 093G 64 33 | DIO SIG SM BAV99 (PHSE)R | 1 |
| D805 | 093G 64 33 | DIO SIG SM BAV99 (PHSE)R | 1 |
| D803 | 093G 64 33 | DIO SIG SM BAV99 (PHSE)R | 1 |
| D801 | 093G 64 33 | DIO SIG SM BAV99 (PHSE)R | 1 |
| D804 | 093G 64 33 | DIO SIG SM BAV99 (PHSE)R | 1 |
| D802 | 093G 64 33 | DIO SIG SM BAV99 (PHSE)R | 1 |
| D810 | 093G 6432S | IN4148W | 1 |
| D809 | 093G 6432S | IN4148W | 1 |
| D811 | 093G 6432S | IN4148W | 1 |
| D812 | 093G 6432S | IN4148W | 1 |
| D813 | 093G 6432S | IN4148W | 1 |
| D903 | 093G 6432V | LL4148-GS08 | 1 |
| D904 | 093G 6432V | LL4148-GS08 | 1 |
| ZD905 | 093G 39S 12 T | RLZ20B LLDS | 1 |
| ZD801 | 093G 39S 24 T | RLZ 5.6B LLDS | 1 |
| ZD902 | 093G 39S 24 T | RLZ 5.6B LLDS | 1 |
| ZD903 | 093G 39S 38 T | PTZ 9.1B | 1 |
| ZD901 | 093G 39S 40 T | RLZ 13B LLDS | 1 |
| ZD904 | 093G 39S 44 T | RLZ18B LLDS | 1 |
| | PW1942AUS5AIP | POWER BOARD FOR AI | 1 |

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|-------|----------------|----|-------------------------------|---|
| CN901 | 006G 31500 | GP | EYELET | 3 |
| T901 | 006G 31502 | GP | 1.5MM RIVET | 6 |
| PT802 | 006G 31502 | GP | 1.5MM RIVET | 2 |
| PT801 | 006G 31502 | GP | 1.5MM RIVET | 2 |
| Q903 | 006G 31502 | GP | 1.5MM RIVET | 2 |
| FB901 | 006G 31502 | GP | 1.5MM RIVET | 2 |
| R914 | 006G 31502 | GP | 1.5MM RIVET | 2 |
| C905 | 006G 31502 | GP | 1.5MM RIVET | 2 |
| L902 | 006G 31502 | GP | 1.5MM RIVET | 4 |
| L901 | 006G 31502 | GP | 1.5MM RIVET | 4 |
| NR901 | 006G 31502 | GP | 1.5MM RIVET | 2 |
| F901 | 006G 31502 | GP | 1.5MM RIVET | 2 |
| IC903 | 056G 158 12 | | KIA431A-AT/P TO-92 | 1 |
| R822 | 061G212Y625 KT | GP | MATEL GLAZE 6.2M OHM 3KV 1/2W | 1 |
| R832 | 061G212Y625 KT | GP | MATEL GLAZE 6.2M OHM 3KV 1/2W | 1 |
| C930 | 065G 2K152 1T | GP | CERAMIC CAP | 1 |
| C931 | 065G 2K152 1T | GP | CERAMIC CAP | 1 |
| C932 | 065G 2K152 1T | GP | CERAMIC CAP | 1 |
| C933 | 065G 2K152 1T | GP | CERAMIC CAP | 1 |
| C934 | 065G 2K152 1T | GP | CERAMIC CAP | 1 |
| C906 | 067G 2151007NT | GP | KY50VB10M-TP5(5*11) | 1 |
| C907 | 067G 2151007NT | GP | KY50VB10M-TP5(5*11) | 1 |
| JP905 | 095G 90 23 | GP | TIN COATED | 1 |
| JP904 | 095G 90 23 | GP | TIN COATED | 1 |
| JP903 | 095G 90 23 | GP | TIN COATED | 1 |
| JP902 | 095G 90 23 | GP | TIN COATED | 1 |
| JP901 | 095G 90 23 | GP | TIN COATED | 1 |
| JP820 | 095G 90 23 | GP | TIN COATED | 1 |
| JP819 | 095G 90 23 | GP | TIN COATED | 1 |
| JP818 | 095G 90 23 | GP | TIN COATED | 1 |
| JP817 | 095G 90 23 | GP | TIN COATED | 1 |
| JP815 | 095G 90 23 | GP | TIN COATED | 1 |
| JP906 | 095G 90 23 | GP | TIN COATED | 1 |
| JR802 | 095G 90 23 | GP | TIN COATED | 1 |
| JP920 | 095G 90 23 | GP | TIN COATED | 1 |
| JP919 | 095G 90 23 | GP | TIN COATED | 1 |
| JP918 | 095G 90 23 | GP | TIN COATED | 1 |

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|-------|----------|-------|----|-------------|---|
| JP917 | 095G | 90 23 | GP | TIN COATED | 1 |
| JP916 | 095G | 90 23 | GP | TIN COATED | 1 |
| JP915 | 095G | 90 23 | GP | TIN COATED | 1 |
| JP914 | 095G | 90 23 | GP | TIN COATED | 1 |
| JP913 | 095G | 90 23 | GP | TIN COATED | 1 |
| JP911 | 095G | 90 23 | GP | TIN COATED | 1 |
| JP910 | 095G | 90 23 | GP | TIN COATED | 1 |
| JP907 | 095G | 90 23 | GP | TIN COATED | 1 |
| JP812 | 095G | 90 23 | GP | TIN COATED | 1 |
| JP801 | 095G | 90 23 | GP | TIN COATED | 1 |
| JP803 | 095G | 90 23 | GP | TIN COATED | 1 |
| JP805 | 095G | 90 23 | GP | TIN COATED | 1 |
| JP807 | 095G | 90 23 | GP | TIN COATED | 1 |
| JP808 | 095G | 90 23 | GP | TIN COATED | 1 |
| JP809 | 095G | 90 23 | GP | TIN COATED | 1 |
| JP811 | 095G | 90 23 | GP | TIN COATED | 1 |
| | 715G1899 | 1 | GP | POWER BOARD | 1 |