

SAMSUNG

TFT-LCD TV/MONITOR

Chassis
VA22SO

Model
LA22N21B

SERVICE Manual

TFT-LCD TV/MONITOR



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1 Precautions

Follow these safety, servicing and ESD precautions to prevent damage and to protect against potential hazards such as electrical shock.

1-1 Safety Precautions

1-1-1 Warnings

1. For continued safety, do not attempt to modify the circuit board.
2. Disconnect the AC power and DC Power Jack before servicing.

1-1-2 Servicing the LCD TV

1. When servicing the LCD TV Disconnect the AC line cord from the AC outlet.
2. It is essential that service technicians have an accurate voltage meter available at all times. Check the calibration of this meter periodically.

1-1-3 Fire and Shock Hazard

Before returning the TV to the user, perform the following safety checks:

1. Inspect each lead dress to make certain that the leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the monitor.
2. Inspect all protective devices such as nonmetallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
3. Leakage Current Hot Check (Figure 1-1):
WARNING: Do not use an isolation transformer during this test.

Use a leakage current tester or a metering system that complies with American National Standards Institute (*ANSI C101.1, Leakage Current for Appliances*), and Underwriters Laboratories (*UL Publication UL1410, 59.7*).

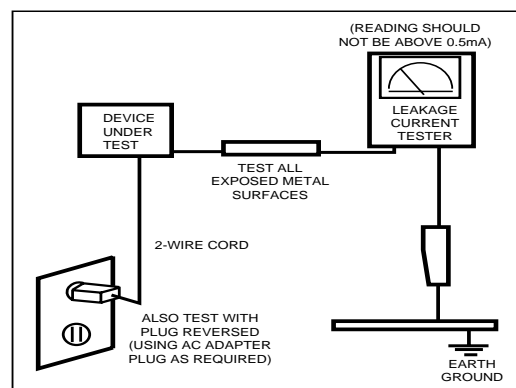


Figure 1-1. Leakage Current Test Circuit

4. With the unit completely reassembled, plug the AC line cord directly into a 120V AC outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

1-1-4 Product Safety Notices

Some electrical and mechanical parts have special safety-related characteristics which are often not evident from visual inspection. The protection they give may not be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by \triangle on schematics and parts lists. A substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire and/or other hazards. Product safety is under review continuously and new instructions are issued whenever appropriate.

1 Precautions

1-2 Servicing Precautions

WARNING: An electrolytic capacitor installed with the wrong polarity might explode.

Caution: Before servicing units covered by this service manual, read and follow the Safety Precautions section of this manual.

Note: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions, always follow the safety precautions.

1-2-1 General Servicing Precautions

1. Always unplug the unit's AC power cord from the AC power source and disconnect the DC Power Jack before attempting to:
(a) remove or reinstall any component or assembly, (b) disconnect PCB plugs or connectors, (c) connect a test component in parallel with an electrolytic capacitor.
2. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.
3. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the area around the serviced part has not been damaged.
4. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).
5. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500 V) to the blades of the AC plug.
The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.
6. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

1-3 Electrostatically Sensitive Devices (ESD) Precautions

Some semiconductor (solid state) devices can be easily damaged by static electricity. Such components are commonly called Electrostatically Sensitive Devices (ESD). Examples of typical ESD are integrated circuits and some field-effect transistors. The following techniques will reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. To avoid a shock hazard, be sure to remove the wrist strap before applying power to the TV.
2. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of an electrostatic charge.
3. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESDs.
4. Use only a grounded-tip soldering iron to solder or desolder ESDs.
5. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESDs.
6. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.
7. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.
Caution: Be sure no power is applied to the chassis or circuit and observe all other safety precautions.
8. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting your foot from a carpeted floor can generate enough static electricity to damage an ESD.

2 Product Specifications

2-1 Specifications

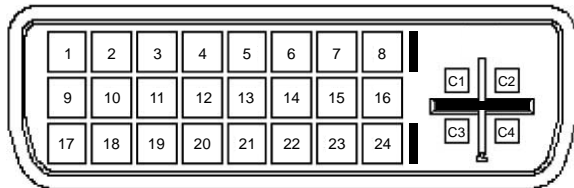
| Item | Description | |
|--|--|----------------------|
| LCD Panel | TFT-LCD Panel, RGB vertical stripe, normaly Black, 22-Inch viewable, 0.381 mm pixel pitch | |
| Scanning Frequency | Horizontal : 30 kHz ~ 68 kHz (Automatic) Vertical : 56 Hz ~ 85 Hz (Automatic) | |
| Display Colors | 16.7 Million colors | |
| Maximum Resolution | Horizontal : 1280 Pixels Vertical : 720 Pixel | |
| Input Video Signal | Positive at 75 Ω | |
| Input Sync Signal | Type : Seperate H/V Level : TTL level | |
| Maximum Pixel Clock rate | 70 MHz | |
| Active Display Horizontal/Vertical | 487.68 mm/ 274.32 mm | |
| AC power voltage & Frequency | AC 100 ~ 264 Volts, 50~60 Hz \pm 3 Hz | |
| Power Consumption | 80 W | |
| Dimensions (W x H x D) Set Package | 23.6 x 17.3 x 8.2 Inches (599 X 439 X 209.4 mm) / 23.6 x 16.5 x 4.4 Inches (599 X 418 X 112.7 mm) State of stand disassembled 28.1 x 23.0 x 8.1 Inches (713.0 X 583.0 X 205.0 mm) | |
| Weight Set / Package | 8.98 kg (19.8 lbs) After installation of Stand / 11.0 kg (24.3 lbs) | |
| Environmental Considerations | Operating Temperature : 50 °F ~ 104 °F (10 °C ~ 40 °C) Operating Humidity : 10 % ~ 80 % Storage Temperature : -4 °F ~ 113 °F (-20 °C ~ 45 °C) Storage Humidity : 5 % ~ 95 % | |
| TV System | Tunning | Frequency Synthesize |
| | System | NTSC-M |
| | Sound | Multi |
| Antena Input | 75 Ω | |
| Sound Characteristic | – MAX Internal speaker Out : Right => 5W Left => 5W | |
| | – BASS Control Range : -8 dB ~ + 8dB – TREBLE Control Range : -8 dB ~ +8 dB – Headphone Out : 5 mW max (400 m Vrms) – Output Frequency : 20 Hz ~15.2 Hz | |

2-2 Pin Assignments

2-2-1 DVI-I (Analog & Digital)

Ref) DVI-D : Digital only

D-SUB : Analog only



DVI-I Receptacle Connector Front View

| Pin No. | Signal Assignment | Pin No. | Signal Assignment | Pin No. | Signal Assignment |
|---------|-----------------------|---------|----------------------|---------|-------------------------|
| 1 | RX2- | 11 | GND | 21 | NC |
| 2 | RX2+ | 12 | NC | 22 | GND |
| 3 | GND | 13 | NC | 23 | RXC+ |
| 4 | NC | 14 | DDC Input Power(+5V) | 24 | RXC- |
| 5 | NC | 15 | IDENT_PC | C1 | Analog Red |
| 6 | DDC Clock (SCL) | 16 | 5V | C2 | Analog Green |
| 7 | DDC Data (SDA) | 17 | RX0- | C3 | Analog Blue |
| 8 | Analog Vertical Sync. | 18 | RX0+ | C4 | Analog Horizontal Sync. |
| 9 | RX1- | 19 | GND | | |
| 10 | RX1+ | 20 | NC | | |

2-2-2 Component 1, 2

| | |
|-----------|---------|
| RCA Green | Y |
| | GND |
| RCA Blue | Pb (Cb) |
| | GND |
| RCA Red | Pr (Cr) |
| | GND |
| RCA White | Audio L |
| | GND |
| RCA Red | Audio R |
| | GND |

2-2-3 S-Video

| Pin | Separate |
|-----|----------|
| 1 | GND |
| 2 | Y |
| 3 | C |
| 4 | GND |
| 5 | GND |

2-2-4 A/V

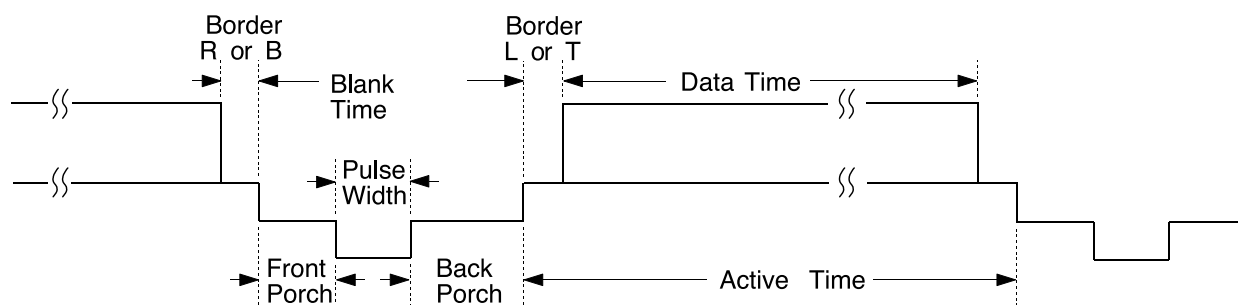
| | |
|------------|---------|
| RCA Yellow | CVBS |
| RCA White | Audio L |
| | GND |
| RCA Red | Audio R |
| | GND |

2-3 Timing Chart

This section of the service manual describes the timing that the computer industry recognizes as standard for computer-generated video signals.

2-3-1 LCD Panel Mode1 mode

| | |
|------------------|----------------|
| Timing No. | |
| Originator | VESA DTV |
| Mode Name | 1280/60Hz |
| Resolution (HxV) | 1280x720 |
| HORIZONTAL | |
| Frequency | 45 kHz |
| Total time | 22.200 μ s |
| Activetime | 17.239 μ s |
| Blank time | 4.984 μ s |
| Border(L / R) | 0.000 μ s |
| Data time | 17.239 μ s |
| Front porch | 0.943 μ s |
| Sync. width | 0.539 μ s |
| Back porch | 3.502 μ s |
| Sync. polarity | Negative |
| VERTICAL | |
| Frequency | 60Hz |
| Total time | 16.000 ms |
| Active time | 16.000 ms |
| Blank time | 1.222 ms |
| Border(T / B) | 0.000 ms |
| Data time | 16.000 ms |
| Front porch | 0.667 ms |
| Sync. width | 0.111 ms |
| Back porch | 0.444 ms |
| Sync. polarity | Positive |
| Dot Clock | 74.25 MHz |
| Sync. Type | Separate |
| Scan Type | N/I |



2-3-1 Supported Modes (1)

| | | | | | | |
|------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Timing No. | 2 | 3 | 11 | 17 | 32 | 42 |
| Originator | IBM | IBM | VESA | VESA | MAC | VESA |
| Mode Name | VGA2 | VGA3 | 640/72Hz | 640/75Hz | 640/67Hz | 640/85Hz |
| Resolution (HxV) | 720x400 | 640x480 | 640x480 | 640x480 | 640x480 | 640x480 |
| HORIZONTAL | | | | | | |
| Frequency | 31.469kHz | 31.469kHz | 37.861kHz | 37.500kHz | 35.000kHz | 43.269kHz |
| Total time | 31.777μs | 31.778μs | 26.413μs | 26.667μs | 28.571μs | 23.111μs |
| Active time | 26.058μs | 26.058μs | 20.825μs | 20.317μs | 21.164μs | 17.778μs |
| Blank time | 5.720μs | 5.720μs | 5.588μs | 6.350μs | 7.407μs | 5.333μs |
| Border(L / R) | 0.318μs | 0.318μs | 0.254μs | 0.000μs | 0.000μs | 0.000μs |
| Data time | 25.422μs | 25.422μs | 20.317μs | 20.317μs | 21.164μs | 17.778μs |
| Front porch | 0.318μs | 0.318μs | 0.508μs | 0.508μs | 2.116μs | 1.556μs |
| Sync. width | 3.813μs | 3.813μs | 1.270μs | 2.032μs | 2.116μs | 1.556μs |
| Back porch | 1.589μs | 1.589μs | 3.810μs | 3.810μs | 3.175μs | 2.222μs |
| Sync. polarity | Negative | Negative | Negative | Negative | Negative | Negative |
| VERTICAL | | | | | | |
| Frequency | 70.087Hz | 59.940Hz | 72.809Hz | 75.000Hz | 66.667Hz | 85.008Hz |
| Total time | 14.268ms | 16.683ms | 13.735ms | 13.333ms | 15.000ms | 11.764ms |
| Active time | 13.155ms | 15.761ms | 13.100ms | 12.800ms | 13.714ms | 11.093ms |
| Blank time | 1.113ms | 0.922ms | 0.635ms | 0.533ms | 1.286ms | 0.671ms |
| Border(T / B) | 0.222ms | 0.254ms | 0.211ms | 0.000ms | 0.000ms | 0.000ms |
| Data time | 12.711ms | 15.253ms | 12.678ms | 12.800ms | 13.714ms | 11.093ms |
| Front porch | 0.191ms | 0.064ms | 0.026ms | 0.027ms | 0.086ms | 0.023ms |
| Sync. width | 0.064ms | 0.064ms | 0.079ms | 0.080ms | 0.086ms | 0.069ms |
| Back porch | 0.858ms | 0.794ms | 0.528ms | 0.427ms | 1.114ms | 0.578ms |
| Sync polarity | Positive | Negative | Negative | Negative | Negative | Negative |
| Dot Clock | 28.322MHz | 25.175MHz | 31.500MHz | 31.500MHz | 30.240MHz | 36.000MHz |
| Sync. Type | Separate | Separate | Separate | Separate | Separate | Separate |
| Scan Type | N/I | N/I | N/I | N/I | N/I | N/I |

2 Product Specifications

2-3-1 Supported Modes (2)

| Timing No. Originator Mode Name Resolution (HxV) | 12 VESA 800/56Hz 800x600 | 13 VESA 800/60Hz 800x600 | 14 VESA 800/72Hz 800x600 | 18 VESA 800/75Hz 800x600 | 43 VESA 800/85Hz 800x600 | 33 MAC 832/75Hz 832x624 |
|--|---|--|--|--|--|--|
| HORIZONTAL Frequency Total time Active time Blank time Border(L / R) Data time Front porch Sync. width Back porch Sync. polarity | 35.156kHz 28.444μs 22.222μs 6.222μs 0.000μs 22.222μs 0.667μs 2.000μs 3.556μs Positive or Negative | 37.879kHz 26.400μs 20.000μs 6.400μs 0.000μs 20.000μs 1.000μs 3.200μs 2.200μs Positive | 48.077kHz 20.800μs 16.000μs 4.800μs 0.000μs 16.000μs 1.120μs 2.400μs 1.280μs Positive | 46.875kHz 21.333μs 16.162μs 5.171μs 0.000μs 16.162μs 0.323μs 1.616μs 3.232μs Positive | 53.674kHz 18.631μs 14.222μs 4.409μs 0.000μs 14.222μs 0.569μs 1.138μs 2.702μs Positive | 49.726kHz 20.110μs 14.524μs 5.586μs 0.000μs 14.524μs 0.559μs 1.117μs 3.910μs Negative |
| VERTICAL Frequency Total time Active time Blank time Border(T / B) Data time Front porch Sync. width Back porch Sync polarity | 56.250Hz 17.778ms 17.067ms 0.711ms 0.000ms 17.067ms 0.028ms 0.057ms 0.626ms Positive or Negative | 60.317Hz 16.579ms 15.840ms 0.739ms 0.000ms 15.840ms 0.026ms 0.106ms 0.607ms Positive | 72.188Hz 13.853ms 12.480ms 1.373ms 0.000ms 12.480ms 0.770ms 0.125ms 0.478ms Positive | 75.000Hz 13.333ms 12.800ms 0.533ms 0.000ms 12.800ms 0.021ms 0.064ms 0.448ms Positive | 85.061Hz 11.756ms 11.179ms 0.577ms 0.000ms 11.179ms 0.019ms 0.056ms 0.503ms Positive | 74.551Hz 13.414ms 12.549ms 0.865ms 0.000ms 12.549ms 0.020ms 0.060ms 0.784ms Negative |
| Dot Clock | 36.000MHz | 40.000MHz | 50.000MHz | 49.500MHz | 56.250MHz | 57.284MHz |
| Sync. Type | Separate | Separate | Separate | Separate | Separate | Separate Composite Sync. - on-G |
| Scan Type | N/I | N/I | N/I | N/I | N/I | N/I |

2-3-1 Supported Modes (3)

| | | | | |
|------------------|----------------|----------------|----------------|----------------|
| Timing No. | 15 | 16 | 19 | 44 |
| Originator | VESA | VESA | VESA | VESA |
| Mode Name | 1024/60Hz | 1024/70Hz | 1024/75Hz | 1024/85Hz |
| Resolution (HxV) | 1024x768 | 1024x768 | 1024x768 | 1024x768 |
| HORIZONTAL | | | | |
| Frequency | 48.363kHz | 56.476kHz | 60.023kHz | 68.677kHz |
| Total time | 20.677 μ s | 17.707 μ s | 16.660 μ s | 14.561 μ s |
| Activetime | 15.754 μ s | 13.653 μ s | 13.003 μ s | 10.836 μ s |
| Blank time | 4.923 μ s | 4.053 μ s | 3.777 μ s | 3.725 μ s |
| Border(L / R) | 0.000 μ s | 0.000 μ s | 0.000 μ s | 0.000 μ s |
| Data time | 15.754 μ s | 13.653 μ s | 13.003 μ s | 10.836 μ s |
| Front porch | 0.369 μ s | 0.320 μ s | 0.323 μ s | 0.508 μ s |
| Sync. width | 2.092 μ s | 1.813 μ s | 1.219 μ s | 1.016 μ s |
| Back porch | 2.462 μ s | 1.920 μ s | 2.235 μ s | 2.201 μ s |
| Sync. polarity | Negative | Negative | Positive | Positive |
| VERTICAL | | | | |
| Frequency | 60.004Hz | 70.069Hz | 75.029Hz | 84.997Hz |
| Total time | 16.666ms | 14.272ms | 13.328ms | 11.765ms |
| Active time | 15.880ms | 13.599ms | 12.795ms | 11.183ms |
| Blank time | 0.786ms | 0.672ms | 0.533ms | 0.582ms |
| Border(T / B) | 0.000ms | 0.000ms | 0.000ms | 0.000ms |
| Data time | 15.880ms | 13.599ms | 12.795ms | 11.183ms |
| Front porch | 0.062ms | 0.053ms | 0.017ms | 0.015ms |
| Sync. width | 0.124ms | 0.106ms | 0.050ms | 0.044ms |
| Back porch | 0.600ms | 0.513ms | 0.466ms | 0.524ms |
| Sync polarity | Negative | Negative | Positive | Positive |
| Dot Clock | 65.000MHz | 75.000MHz | 78.750MHz | 94.500MHz |
| Sync. Type | Separate | Separate | Separate | Separate |
| Scan Type | N/I | N/I | N/I | N/I |

Memo

3 Disassembly and Reassembly

This section of the service manual describes the disassembly and reassembly procedures for the LA22N21B monitor.

⚠ WARNING: This monitor contains electrostatically sensitive devices. Use caution when handling these components.

3-1 Disassembly

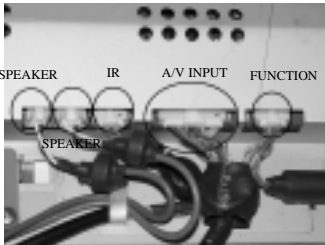
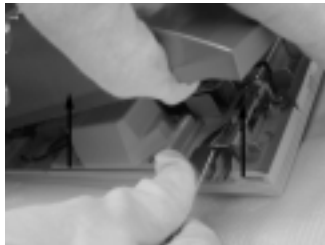
- ⚠ Cautions :**
1. Disconnect the monitor from the power source before disassembly.
 2. Follow these directions carefully; never use metal instruments to pry apart the cabinet.
 3. R/Cover opening jig : BH81-00001A



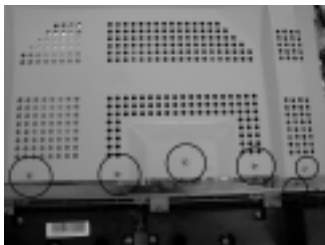
1. Loacte the monitor on the cushioned table with face down. Remove the stand from LCD-TV and pull the stand cover.



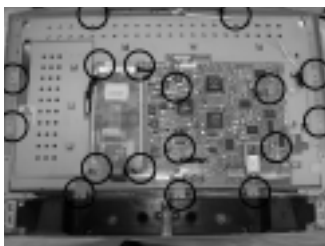
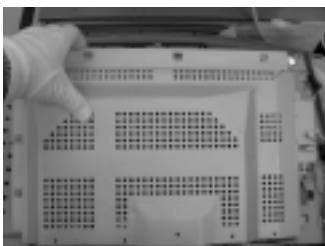
2. Remove 2 screws from the rear cover and remove rear cover by using opening jig.



3. Lift up the rear cover and disconnect function cable, A/V Input cable, IR cable and speaker cable from the shield. (See illustrations)



4. Remove 2 screws (A/V Input Board) from the shield. Please add a circle around the 6 screw that connects the silver shield of the Main-PCB to the Panel shield.(see illustrations)

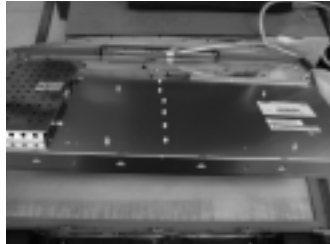


5. Lift up main shield and remove 17 screws from the set (Main Board and Panel Shield). (see illustrations)

3 Disassembly and Reassembly



6. Disconnect cable and lift up the main board and panel shield. (see illustrations)



7. Lift up the panel.

3-2 Replacement Order of Lamp Assemblies

LCD panel may not be serviced. (Lamps are generally located at top and bottom of panel, which may be replaced. However, for the Victoria LTA170WP_L01 panel, the lamp is firmly soldered inside of the back panel. Therefore, servicing the lamp may cause a defective panel. Also, servicing lamp requires front glass removal, which may cause scratch and/or foreign materials on the glass.)

3-3 Reassembly

Reassembly procedures are in the reverse order of disassembly procedures.

4 Alignments and Adjustments

4-1 General Alignment Instruction

1. Usually, a color TV-VCR needs only slight touch-up adjustment upon installation.
Check the basic characteristics such as height, horizontal and vertical sync.
2. Use the specified test equipment or its equivalent.
3. Correct impedance matching is essential.
4. Avoid overload. Excessive signal from a sweep generator might overload the front-end of the TV. When inserting signal markers, do not allow the marker generator to distort test result.
5. Connect the TV only to an AC power source with voltage and frequency as specified on the backcover nameplate.
6. Do not attempt to connect or disconnect any wire while the TV is turned on. Make sure that the power cord is disconnected before replacing any parts.
7. To protect against shock hazard, use an isolation transform.

4-2 Factory Mode Adjustments

4-2-1 Entering Factory Mode

- To enter "Service Mode" Press the remote -control keys in this sequence :

- If you do not have Factory remote - control



- If you have Factory remote - control



- The buttons are active in the service mode.

- Remote - Control Key : Power, Arrow Up, Arrow Down, Arrow Left
Arrow Right, Menu, Enter, Number Key(0~9)
- Function - Control Key : Power, CH +, CH -, VOL +, VOL -,
Menu, TV/VIDEO(Enter)

4-2-2 Factory Mode Tree

| | | |
|-------------------------------------|--------------|------|
| 1. PC Calibration | | |
| 2. Option Table 2C34 0050 | 10. Checksum | 0000 |
| 3. Color Control | 11. Adjust | |
| 4. PW565 | 12. Reset | |
| 5. VPC3230-MAIN | | |
| 6. ADC | | |
| 7. DNle | | |
| 8. MDIN - 150 | | |
| 9. Test Pattern | | |
| T_VIC22PEU_0908 02/05/2004 16:04:38 | | |

| | | |
|-------------------------------------|--------------|------|
| 1. PC Calibration | 10. Checksum | 0000 |
| 2. Option Table 2C34 0050 | | |
| 3. Color Control | 11. Adjust | |
| 4. PW565 | 12. Reset | |
| 5. VPC3230-MAIN | | |
| 6. ADC | | |
| 7. DNle | | |
| 8. MDIN - 150 | | |
| 9. Test Pattern | | |
| T_VIC22PEU_0908 02/05/2004 16:04:38 | | |

2. Option Table 2C34 0050

| | | | |
|---------------|---------|----------------|-------------|
| Flesh Tone | Off | Area | CW |
| LNA | Off | DebugExpress | Off |
| Language | English | High Deviation | Off |
| Melody Volume | 5 | TXT Group | West Europe |
| TTX List | Flop | DNle Demo | On |
| TTX TOP | Off | TTX Page | 200page |
| Auto FM | On | Bus Stop | Off |
| Help | On | DDC Write | Off |
| | | SSON | On |

Panel Life Time : 3Day 15h 18m

T_VIC22PEU_0908 02/05/2004 16:04:38

| | | | | |
|-------------------------------------|---------------|------|---|--|
| 1. PC Calibration | 10. Check sum | 0000 | → | 3. Color Control Pw565 White Balance Dnie White Balance |
| 2. Option Table 2C34 0050 | 11. Adjust | | | |
| 3. Color Control | 12. Reset | | | |
| 4. PW 565 | | | | |
| 5. VPC3230-MAIN | | | | |
| 6. ADC | | | | |
| 7. DNIe | | | | |
| 8. MDIN - 150 | | | | |
| 9. Test Pattern | | | | |
| T_VIC22PEU_0908 02/05/2004 16:04:38 | | | | |

3. Color Control

Pw565 White Balance

| [W/B] | | RF/AV | Component | DVI-D | DVI-A | D-TV |
|-------------------------------|------------|-------|-----------|-------|-------|------|
| Sub-Brightness | ADJ[0~255] | 111 | 127 | 127 | 127 | 127 |
| Red Offset | ADJ[0~255] | 128 | 128 | 128 | 128 | 128 |
| Green Offset | FIX[0~255] | 128 | 128 | 128 | 128 | 128 |
| Blue Offset | ADJ[0~255] | 128 | 128 | 128 | 128 | 128 |
| Brightness [PC Brightness] | FIX[0~100] | 45 | 45 | 45 | 45 | 45 |
| Sub-Contrast | Fix[0~255] | 155 | 110 | 115 | 100 | 115 |
| Red Gain | ADJ[0~255] | 128 | 128 | 128 | 128 | 128 |
| Green Gain | FIX[0~255] | 128 | 128 | 128 | 128 | 128 |
| Blue Gain | ADJ[0~255] | 128 | 128 | 128 | 128 | 128 |
| TTX Bright [PC Contrast] | FIX[0~100] | 100 | 100 | 100 | 100 | 100 |

3. Color Control

Dnie White Balance

| [W/B] | | RF/AV | Component | DVI-D | DVI-A | D-TV |
|----------------|------------|-------|-----------|-------|-------|------|
| Sub-Brightness | ADJ[0~255] | 120 | 125 | 132 | 132 | 56 |
| Red Offset | ADJ[0~255] | 127 | 127 | 124 | 124 | 54 |
| Green Offset | FIX[0~255] | 128 | 128 | 128 | 128 | 50 |
| Blue Offset | ADJ[0~255] | 126 | 126 | 124 | 124 | 55 |
| Sub-Contrast | Fix[0~255] | 133 | 133 | 120 | 120 | 61 |
| Red Gain | ADJ[0~255] | 124 | 124 | 128 | 128 | 50 |
| Green Gain | FIX[0~255] | 128 | 128 | 128 | 128 | 50 |
| Blue Gain | ADJ[0~255] | 130 | 130 | 127 | 127 | 44 |

4 Alignments and Adjustments

| | | |
|---------------------------|---------------|------|
| 1. PC Calibration | 10. Check sum | 0000 |
| 2. Option Table 2C34 0050 | 11. Adjust | |
| 3. Color Control | 12. Reset | |

4. PW565

5. VPC3230-MAIN

6. ADC

7. DNle

8. MDIN - 150

9. Test Pattern

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4. PW565

| | | | | | |
|--|-----|-----------------|------------|-----------|-----|
| Red Gain | 140 | Pixel Shift | Video Port | YB_1 | 120 |
| Green Gain | 140 | Pixel Number | 4 | YB_2 | 200 |
| Blue Gain | 140 | Time | 4 | Xth_0 | 110 |
| Red Offset | 140 | Virtual FrameLo | 2 | Xth_1 | 190 |
| Green Offset | 140 | Alpha | 255 | DECS Demo | Off |
| Blue Offset | 140 | Beta | 255 | Dithering | Off |
| APL | Off | Degree | 30 | | |
| T_VIC22PEU_0908 02/05/2004 16:04:38 | | | | | |

| | | |
|---------------------------|---------------|------|
| 1. PC Calibration | 10. Check sum | 0000 |
| 2. Option Table 2C34 0050 | 11. Adjust | |
| 3. Color Control | 12. Reset | |

4. PW565

5. VPC3230-MAIN

6. ADC

7. DNle

8. MDIN - 150

9. Test Pattern

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5. VPC3230-MAIN

| | | | | | |
|--|----|-------|----|---------|----|
| CT | 2F | CIPCT | 29 | KILVL | 07 |
| BR | 90 | PFS | 02 | PKCOR | 01 |
| ACC_SAT | 80 | PK | 02 | FB_GAIN | 22 |
| TINT | 32 | VPK | 00 | HV_SLVL | 0E |
| SATCb | 24 | LPF2 | 00 | | |
| SATCr | 2B | CBW2 | 00 | | |
| CIP T NT | 21 | CBW | 03 | | |
| CIPBR | C5 | IFC | 00 | | |
| T_VIC22PEU_0908 02/05/2004 16:04:38 | | | | | |

1. PC Calibration 10. Check sum 0000
 2. Option Table 2C34 0050 11. Adjust
 3. Color Control 12. Reset
 4. PW565
 5. VPC3230-MAIN
6. ADC
 7. DNle
 8. M DIN - 150
 9. Test Pattern

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6. ADC

| | | | |
|--------------|----|--------------|-----|
| Red Gain | C7 | Pr Gain | B8 |
| Green Gain | C8 | Y Gain | BE |
| Blue Gain | C8 | Pb Gain | CF |
| Red Offset | 7C | Pr Offset | 76 |
| Green Offset | 7E | Y Offset | 8B |
| Blue Offset | 80 | Pb Offset | 66 |
| Current | 00 | TTX Phase | 768 |
| VCO | 00 | TTX Contrast | 00 |

1. PC Calibration 10. Check sum 0000
 2. Option Table 2C34 0050 11. Adjust
 3. Color Control 12. Reset
 4. PW565
 5. VPC3230-MAIN
6. ADC
7. DNle
 8. M DIN - 150
 9. Test Pattern

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7. DNle TV

| | | | | | |
|--|-----------------|-------------|--------------|-----------------|----|
| NR_ScaleMaxY | 32 | NR_TH_HRF | 7 | CTI_Gain | 7 |
| NR_ScaleMinY | 16 | NR_TH_EDGE | 2 | CTI_V | 9 |
| NR_ScaleMaxC | 32 | NR_SEL | 2 | CTI_U | 9 |
| NR_ScaleMinC | 16 | CE_CutOff | TV:0 / PC:16 | CUT_DDV | 8 |
| Scale Noise_Y | 72 | CE_Upper | 254 | CUT_DDU | 8 |
| Scale Noise_C | 100 | CE_Gain | 48 | DEP_TH_Cor | 63 |
| Limit_Y | TV:126 / PC:132 | CE_HPF_Gain | 128 | DEP_NR_DET_Gain | 8 |
| Limit_C | 132 | DCE_Gain | 128 | DEP_R_INT | 64 |
| T_VIC22PEU_0908 02/05/2004 16:04:38 | | | | Next | |

4 Alignments and Adjustments

- | | | |
|---------------------------|---------------|------|
| 1. PC Calibration | 10. Check sum | 0000 |
| 2. Option Table 2C34 0050 | 11. Adjust | |
| 3. Color Control | 12. Reset | |
| 4. PW565 | | |
| 5. VPC3230-MAIN | | |
| 6. ADC | | |
| 7. DNle | | |
| 8. MDIN- 150 | | |
| 9. Test Pattern | | |

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8. MDIN- 150

Front Noise Reduction Filter
Horizontal Peaking Filter
Edge Enhancement Filter
Input Test Pattern
Output Test Pattern
Deinterlace Control

8. MDIN- 150

Front Noise Reduction Filter

| | | | |
|----------------------|-----|--------------------------------|---|
| Noise_Reduction_Flt0 | 255 | Noise_Reduction_Flt_On | 0 |
| Noise_Reduction_Flt1 | 0 | Noise_Reduction_Flt_Difference | 0 |
| Noise_Reduction_Flt2 | 0 | Median_Flt_On | 0 |
| Noise_Reduction_Flt3 | 0 | Median_Flt_Difference | 0 |
| Noise_Reduction_Flt4 | 0 | Noise_Reduction_Flt_Diff_Sel | 0 |
| Noise_Reduction_Flt5 | 0 | | |
| Noise_Reduction_Flt6 | 0 | | |
| Noise_Reduction_Flt7 | 0 | | |

8. MDIN- 150

Horizontal Peaking Filter

| | | | |
|----------------|-----|----------------------|----|
| H_Peaking_Flt0 | 256 | H_Peaking_Flt_Enable | 1 |
| H_Peaking_Flt1 | 0 | H_Peaking_Flt_Gain | 20 |
| H_Peaking_Flt2 | 896 | H_Peaking_No_Sum | 0 |
| H_Peaking_Flt3 | 0 | H_Peaking_Inverse | 0 |
| H_Peaking_Flt4 | 0 | | |
| H_Peaking_Flt5 | 0 | | |
| H_Peaking_Flt6 | 0 | | |
| H_Peaking_Flt7 | 0 | | |

8. MDIN- 150

Edge Enhancement Filter

| | |
|------------------------|---|
| Edge_Cor_Offse | 8 |
| Edge_Enh_Level | 2 |
| Edge_Enh_2D_Flt_Enable | 1 |

8. MDIN- 150

Input Test Pattern

| | |
|----------------|---|
| In_Test_RGB | 0 |
| In_Test_Ptrn | 0 |
| In_Test_Format | 0 |

8. MDIN- 150

Output Test Pattern

Out_Test_Ptrn 0

Out_Dark_Scrn_Main 0

8. MDIN- 150

Deinterlace Control

| | | | | | |
|-------------------|----|--------------------|-----|------------------|-----|
| Deint_Mode | 1 | Deint_Edge_En | 2 | Deint_Film_Min | 0 |
| Deint_C_Delay_Sel | 0 | Deint_Edge_Thres | 255 | Film_Mode_Thres | 5 |
| Median_Tap | 0 | Film_Invalid_Lines | 8 | Bad_Edit_En | 1 |
| Expander_Tap | 1 | Film32_Mo_Thres | 160 | Caption_Mode | 3 |
| Deint_Thres | 24 | Film_Mode | 5 | D_Caption_V_Pos | 160 |
| Fast_Mode | 1 | D_Film_Slide_Cnt | 0 | Deint_Disp_Color | 5 |
| N_Median_Tap | 1 | D_Film_Slide_Cor | 40 | Deint_Disp_Mode | 0 |
| D_Fast_Mode_Thres | 4 | Deint_Film_Plus | 1 | CSC_OFFSET_Y | 240 |
| N_Deint_Thres | 32 | Deint_Film_Minus | 3 | CSC_OFFSET_CB | 128 |
| Very_Fast_En | 1 | Deint_Film_Max | 3 | CSC_OFFSET_CR | 128 |

- | | | |
|-------------------|---------------|------|
| 1. PC Calibration | 10. Check sum | 0000 |
| 2. Option Table | 11. Adjust | |
| 3. Color Control | 12. Reset | |
| 4. PW565 | | |
| 5. VPC3230-MAIN | | |
| 6. ADC | | |
| 7. DNIe | | |
| 8. MDIN- 150 | | |

9. Test Pattern

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9. Test Pattern

1. Luma Ramp (16 Step)
2. Luma Ramp (128 Step)
3. White 16
4. White 240
5. Color Bar
6. RGB Ramp (32 Step)

4 Alignments and Adjustments

| | | |
|-------------------------------------|----------------------|-------------|
| 1. PC Calibration | 10. Check sum | 0000 |
| 2. Option Table | 11. Adjust | |
| 3. Color Control | 12. Reset | |
| 4. PW565 | | |
| 5. VPC3230-MAIN | | |
| 6. ADC | | |
| 7. DNLe | | |
| 8. MDIN - 150 | | |
| 9. Test Pattern | | |
| T_VIC22PEU_0908 02/05/2004 16:04:38 | | |

| | | | |
|-------------------------------------|-------------------|------|---|
| 1. PC Calibration | 10. Check sum | 0000 | ➔ |
| 2. Option Table | 11. Adjust | | |
| 3. Color Control | 12. Reset | | |
| 4. PW565 | | | |
| 5. VPC3230-MAIN | | | |
| 6. ADC | | | |
| 7. DNLe | | | |
| 8. MDIN - 150 | | | |
| 9. Test Pattern | | | |
| T_VIC22PEU_0908 02/05/2004 16:04:38 | | | |

| | | | | | | |
|-------------------|--------------|-----------------|-------------|-----------------|--|----|
| 11. Adjust | | | | | | |
| TTX-Brightness | 20 | Movie | 70 47 50 50 | LD av pal | | 10 |
| TTX-Contrast | 20 | LD rf pal-b/g | 9 | LD av secam | | 9 |
| TTX-Sharpness | 65 | LD rf pal-d/k | 10 | LD av ntsc 3.57 | | 9 |
| CarrierMute | 42 | LD rf pal-i | 9 | LD av ntsc 4.43 | | 9 |
| Pilot High | 14 | LD rf secam-b/g | 9 | LD av pal 60 | | 9 |
| Pilot Low | 7 | LD rf secam-b/g | 10 | ValidLockCnt | | 2 |
| Dynamic | 100 45 65 65 | LD rf secam-l/i | 9 | RF_db- 1 | | |
| Standard | 100 50 45 50 | LD rf ntsc4.43 | 9 | RF_db- 2 | | |
| | | | | RF_db- 3 | | |

| | | |
|-------------------------------------|------------------|------|
| 1. PC Calibration | 10. Check sum | 0000 |
| 2. Option Table | 11. Adjust | |
| 3. Color Control | 12. Reset | |
| 4. PW565 | | |
| 5. VPC3230-MAIN | | |
| 6. ADC | | |
| 7. DNLe | | |
| 8. MDIN - 150 | | |
| 9. Test Pattern | | |
| T_VIC22PEU_0908 02/05/2004 16:04:38 | | |

* Unless otherwise specified, do not adjust data in Factory Mode.

* Data may be changed for display improvement.

4-3 White Balance Adjustment

1. In factory mode (1, 3, 6), you can adjust the white balance.
2. As the adjustment and data values differ depending on input sources, different adjustments are required for RF, PC/DVI modes.
3. Optimum condition data for each mode are saved as default values. (Refer to Table 2, 3)
4. As the RF mode is applied with the same vlaues as for VIDEO and S-VIDEO, adjustment can be made in any of RF, VIDEO and S-VIDEO modes.

Table 4-1. White Balance Setting Conditions

| Mode | High Light | | | Low Light | | |
|-----------------|------------|-----|----|-----------|-----|--------|
| | "x" | "y" | Y | "x" | "y" | Y |
| RF/AV/COMPONENT | 267 | 263 | 35 | 270 | 260 | 1.0 fL |
| DVI(A) | 267 | 263 | 35 | 270 | 260 | 1.0 fL |
| DVI(D) | 275 | 275 | 25 | 275 | 275 | 0.7 fL |

Table 4-2. Color Control Default Vlaue

| Mode | RF | DTV | PC | Mode | RF | DTV | PC |
|----------------|-----|-----|-----|--------------|-----|-----|-----|
| Sub-Brightness | 127 | 131 | 149 | Sub-Contrast | 95 | 65 | 42 |
| Red Offset | 130 | 133 | 128 | Red Gain | 128 | 128 | 128 |
| Green Offset | 128 | 128 | 128 | Green Gain | 128 | 128 | 128 |
| Blue Offset | 130 | 131 | 128 | Blue Gain | 131 | 128 | 128 |
| Brightness | 45 | 45 | 50 | Contrast | 100 | 100 | 80 |

Table 4-3. Color Control Default Vlaue

| Mode | PC | Mode | DTV |
|--------------|----|-----------|-----|
| Red Gain | 8C | Pr Gain | A0 |
| Green Gain | 8C | Y Gain | A0 |
| Blue Gain | 8C | Pb Gain | A0 |
| Red Offset | 46 | Pr Offset | 40 |
| Green Offset | 46 | Y Offset | 40 |
| Blue Offset | 46 | Pb Offset | 40 |
| Current | 05 | | |
| VCO | 02 | | |

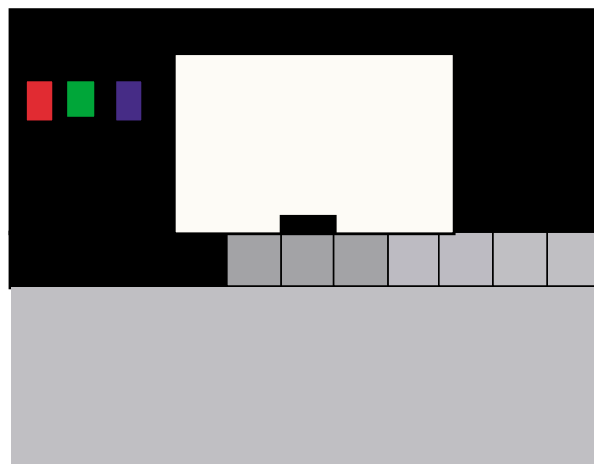
4-3-1 Conditions for Measurement

1. On the basis of toshiba ABL pattern : High Light level (57 IRE)
- INPUT SIGNAL GENERATOR : MSPG-925LTH
* Mode NO 1 : 750X480@60 Hz
NO 6 : 1280X720@60 Hz
NO 21 : 1024X768@60 Hz
* Pattern NO 36 : 16 Color Pattern
NO 16 : Toshiba ABL Pattern
2. Optical measuring device : CA210 (FL)
Please use the MSPG-925 LTH generator for model LTP227W.

4-3-2 Method of Adjustment

1. Adjust the basic level of DTV and PC input signals.
 - a) Set the input to the mode in which the adjustment will be made (PC).
* Input signal - PC Mode : Model #21 (1024*768 Mode), Pattern #16 (Picture 4-1)
 - b) Enter factory Calibration, confirm the ADC data (PC Mode Only).
* ADC default value : Table 4-3.

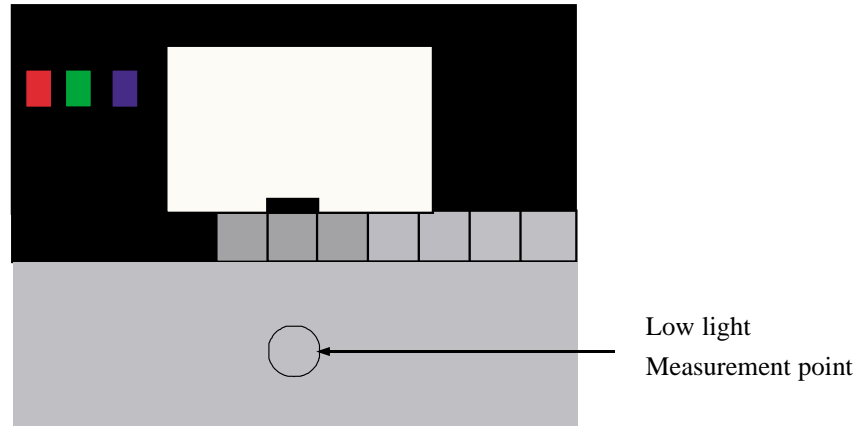
Picture 4-1 Toshiba ABL Pattern



2. Adjust the white balance of RF, DTV and PC Modes.
 - a) Set the input to the mode in which the adjustment will be made (RF → DTV → PC).
* Input signal - VIDEO Mode : Model #1 (750*480 Mode), Pattern #16
- PC Mode : Model #21 (1024*768 Mode), Pattern #16
 - b) Enter factory color control, confirm the data.

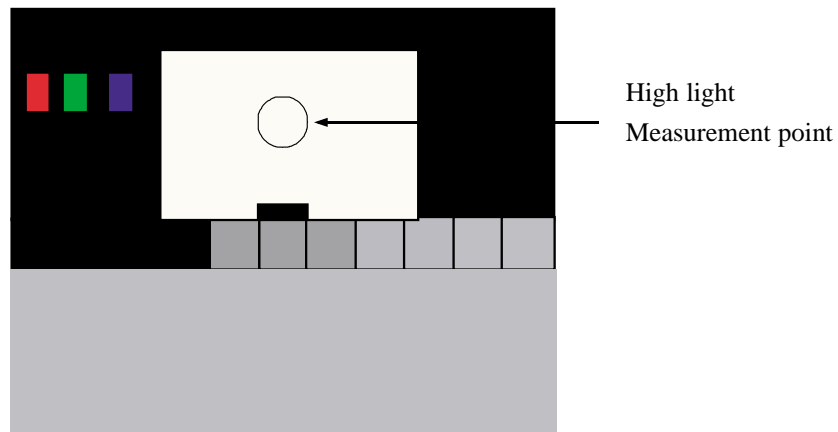
- c) Adjust the low light. (Refer to table 1, 2 in adjustment position by mode)
- Adjust sub - Brightness to set the 'Y' value.
 - Adjust red offset ('x') and blue offset ('y') to the color coordinates.
 - * Do not adjust green offset data.

Picture 4-2 Toshiba ABL Pattern



- d) Adjust the high light. (Refer to table 1, 2 in adjustment position by mode)
- Adjust red gain ('x') and blue gain ('y') to the color coordinates.
 - * Do not adjust the green gain and sub-contrast (Y) data.

Picture 4-3 Toshiba ABL Pattern



4-3-3 Option Table

| Option | Default | Option 1 | Option 2 | Option 3 | Remark |
|---------------|-----------|-------------|------------|-------------|--------------------------------|
| DebugExpress | Off | Off (FIX) | Off (FIX) | Off (FIX) | * When a Jig control use to On |
| LNA | Off (FIX) | Off (FIX) | Off (FIX) | Off (FIX) | - |
| Vchip | On | On | On | On | - |
| VchipArea | USA | USA+ Canada | USA | USA+ Canada | - |
| Melody Volume | 10 | 10 | 0 ~ 19 | 0 ~ 19 | 0 ~ 19 |
| DnieDemo | On | On | On | On | - |
| I2c Bus Stop | Off | Off | Off | Off | - |
| Video Mute | 3 X 100 | 3 X 100 | 3 X 100 | 3 X 100 | [msec] |
| DECS Demo | On | On | On | On | - |
| YB_1 | 100 | 100 | 100 | 100 | 1 ~ 255 |
| YB_2 | 200 | 200 | 200 | 200 | 1 ~ 255 |
| Xth_0 | 90 | 90 | 90 | 90 | 1 ~ 254 |
| Xth_1 | 190 | 190 | 190 | 190 | 10 ~ 254 |
| Sub_Woofer | Off | Off | Off | Off | Don't Adjust |
| Corner Freq. | 15 | 15 | 15 | 15 | Don't Adjust |
| Data | 0A94 | 0A9C | 0094~ 1394 | 009C~ 139C | 00XX ~ 13XX |

* The default settings are most recommended for Option Data. Each data may be adjusted.

4-3-4 PW565

* Below figures are for contrast adjustment of PW565 (IC565). Do not change the data.

| Mode | Data |
|--------------|------|
| Red Gain | 128 |
| Green Gain | 128 |
| Blue Gain | 128 |
| Red Offset | 128 |
| Green Offset | 128 |
| Blue Offset | 128 |

4-3-5 VPC 3230-MAIN

* Data may be adjusted.

| MODE | Data | MODE | Data |
|---------|------|---------|------|
| CT | 20 | PK | 03 |
| BR | 8E | VPK | 00 |
| ACC_SAT | 80 | LPF2 | 00 |
| TINT | 32 | CBW2 | 00 |
| SATCb | 1F | CBW | 03 |
| SATCr | 3F | IFC | 03 |
| CIPNT | 20 | KILVL | 07 |
| CIPBR | B5 | PKCOR | 01 |
| CIPCT | 20 | FB_GAIN | 22 |
| PFS | 02 | HV_SLVL | 0E |

4-3-6 ADC

*Adjust the R(Pr), G(Y), B(Pb) gain and offset to the basic level of DTV and PC Input signals.

| Mbde | PC | Mbde | DTV |
|----------------|-------------|-------------|-------------|
| Red Gai n | 8C →Adj ust | Pr Gai n | A0 →Adj ust |
| Green Gai n | 8C →Adj ust | Y Gai n | A0 →Adj ust |
| Bl ue Gai n | 8C →Adj ust | Pb Gai n | A0 →Adj ust |
| Red Of f set | 46 →Adj ust | Pr Of f set | 40 →Adj ust |
| Green Of f set | 46 →Adj ust | Y Of f set | 40 →Adj ust |
| Bl ue Of f set | 46 →Adj ust | Pb Of f set | 40 →Adj ust |
| Current | 05 | | |
| VCO | 02 | | |

4 Alignments and Adjustments

4-3-7 DNIE

* Control the specify item that a output signals of scalar (PW565).

* This data can be changed without notice.

| Mode | Data | Mode | Data | Mode | Data |
|--------------|------|-------------|------|-----------------|------|
| NR_ScaleMaxY | 32 | NR_SEL | 3 | DEP_NR_DET_Gain | 8 |
| NR_ScaleMinY | 16 | CE_CutOff | 0 | DEP_R_INT | 16 |
| NR_ScaleMaxC | 32 | CE_Upper | 220 | BWS_B_Gain | 375 |
| NR_ScaleMinC | 16 | CE_Gain | 255 | BWS_W_Gain | 375 |
| NR_TH_HRF | 7 | CE_HPF_Gain | 128 | WTE_Gain | 1023 |
| NR_TH_EDGE | 5 | DCE_Gain | 32 | CTE_Gain | 50 |
| Limit_Y | 129 | CTI_Gain | 7 | | |
| Limit_C | 144 | DEP_TH_Cor | 15 | | |

4-3-8 MDIN-150

* Control the specify item that a output signals (RF, CVBS, S-VHS Modes) of MDIN-150 (IC405).

* This data can be changed without notice.

4-3-9 Test Pattern

* Use below test patters to demonstrate the image display of PW565 (IC565).

- 1) Luma Ramp (16 step)
- 2) Luma Ramp (128 Step)
- 3) White 16
- 4) White 240
- 5) Color Bar
- 6) RGB Ramp (32 Step)

4-3-10 Check sum

* XXXX : Displays the current check sum size of the MICOM.
(Varies depending on program update)

4-3-11 Reset

* Initializes the data in the MICOM. (Set to default value)

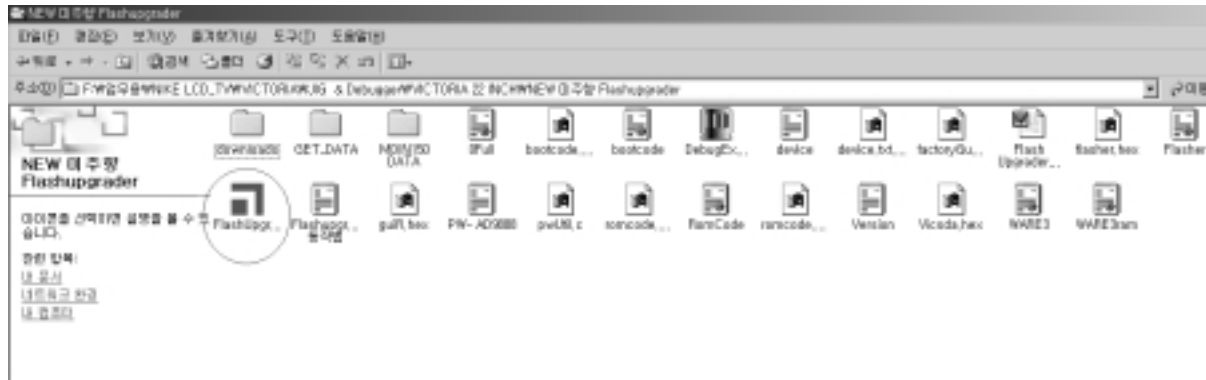
Use 'Reset' to restore adjustmints made in Factory Mode to the original settings.

4-3-12 T_VIC22PEU_0908 02/05/2004 16:04:38

* Displays the MICOM program version

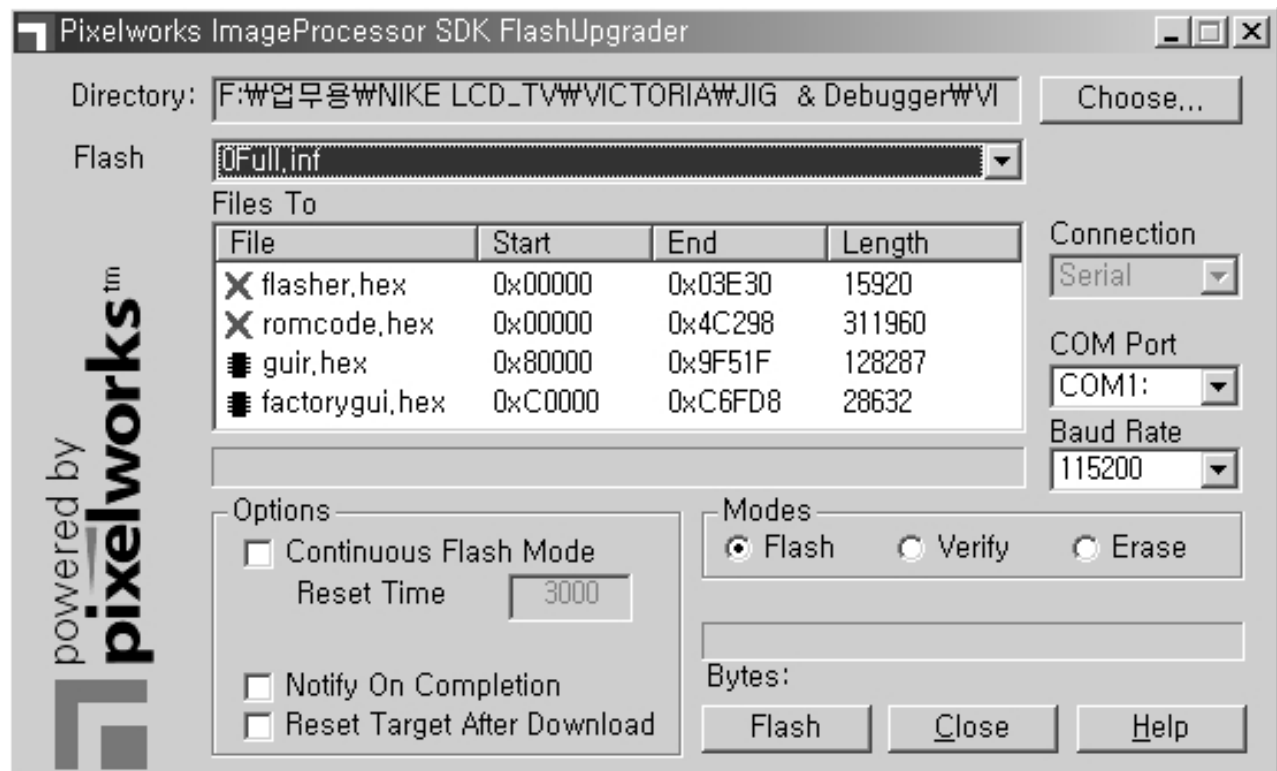
4-4 How to use SW(FlashupgradNT) for LTP227W Set program update

1. Store program practice file in new folder.
2. Connect Set and Jig Cable to execute Program Update.
(Refer to the Picture 4-4 attachment)
3. After completing the JIG Cable connection, store Update practice program (hex file 3EA) in new folder. (guiR, romcode, factoryGui).
4. Click FlashupgradNT.exe icon 2 times and execute it.
(Upgrader OSD screen is marked)



Picture 4-4

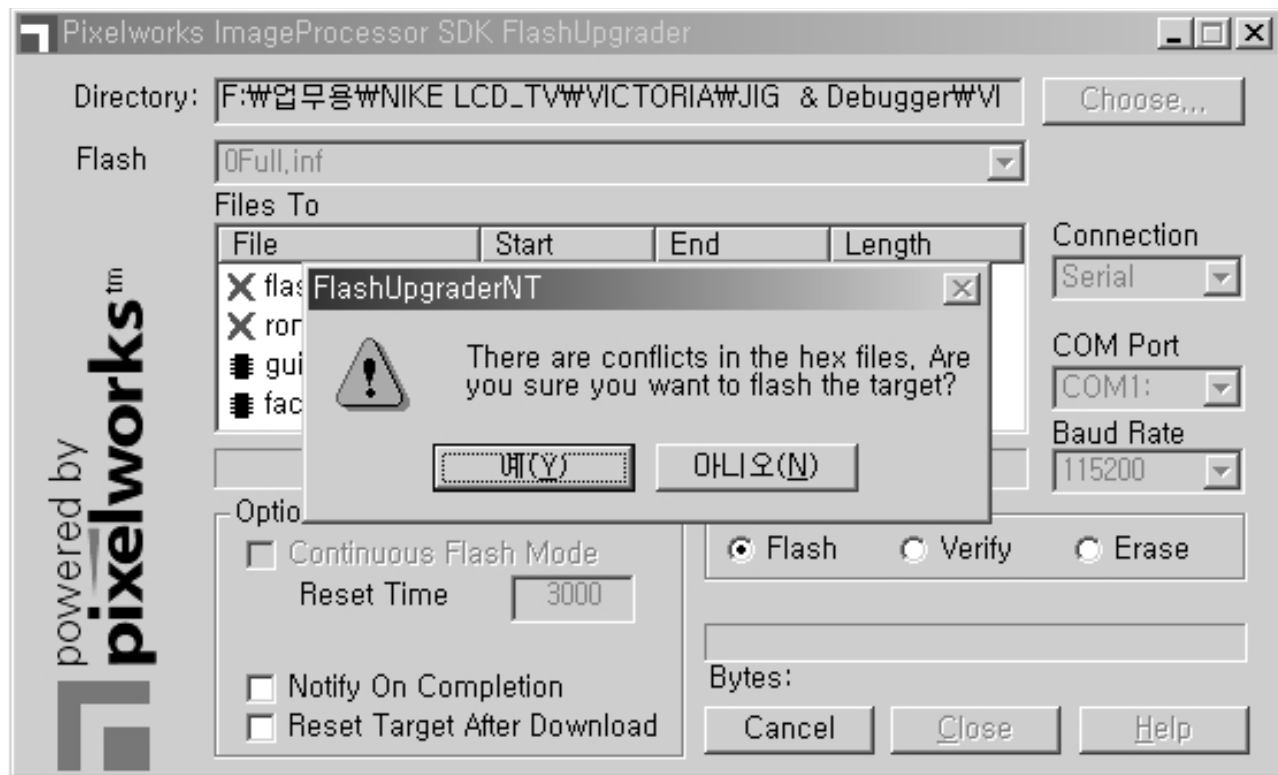
5. Select OFull.inf in Flash.
(flaher, romcode, guir, factorygui items look in Files To)



Picture 4-5

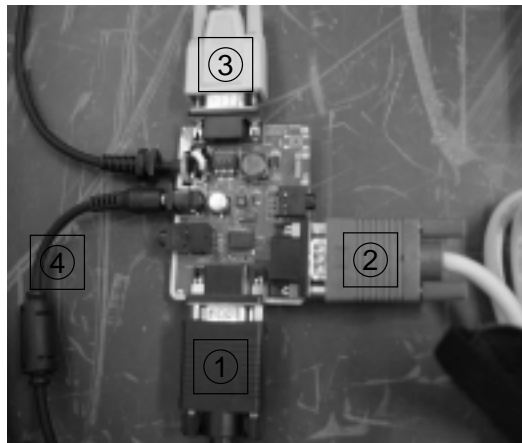
4 Alignments and Adjustments

- Click the “Flash” that is under right of OSD screen.
(if warning message comes out, Click the “Yes”(Y).)



Picture 4-6

- After acting No.6, extract Set's Power Cable and connect it again.
- During acting No.7, program Update sledding is marked sequentially on OSD screen.
- After Program Update completion, act NO.7 again.
- Program Update is completed.



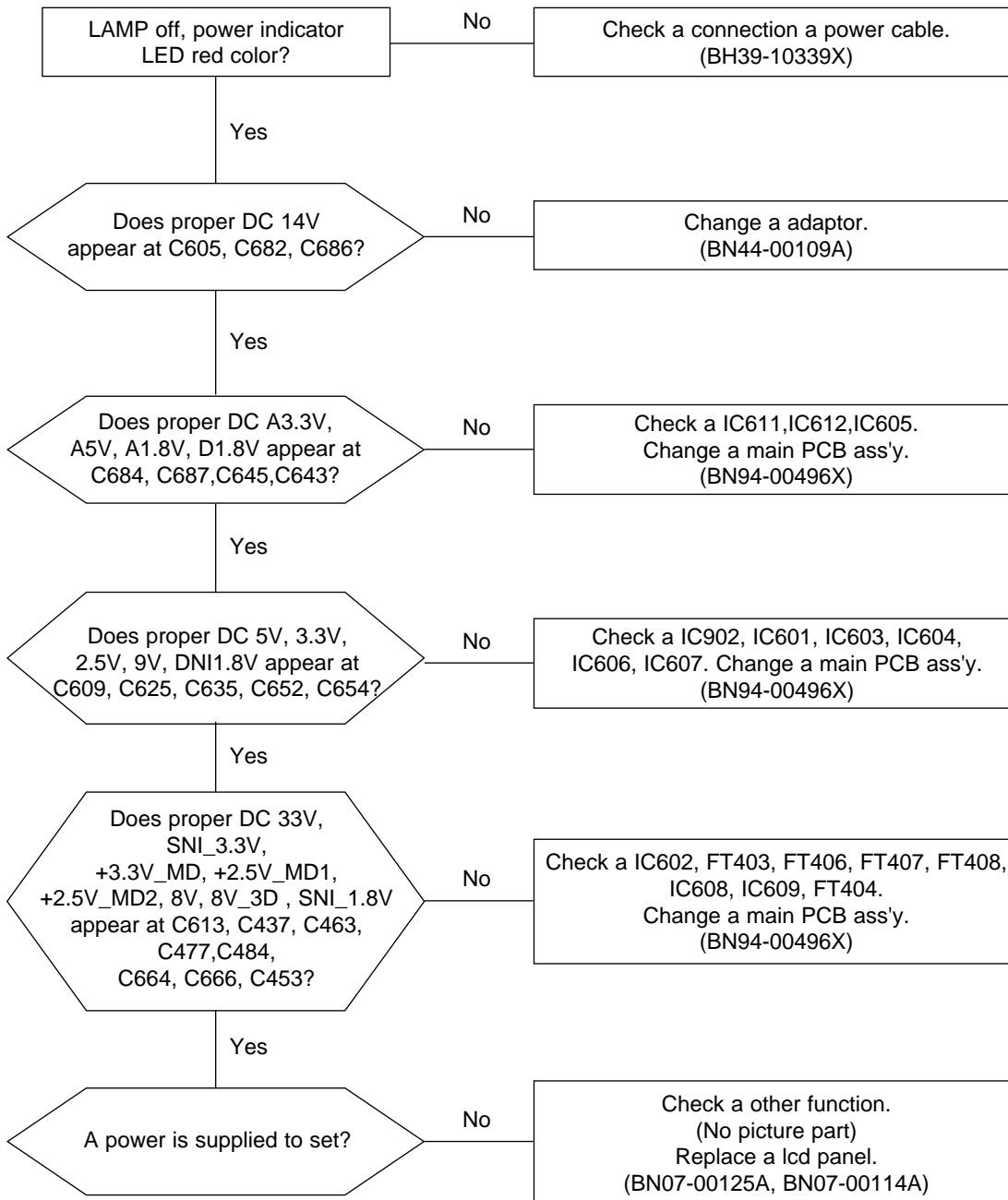
Picture 4-7

<Attachment Picture 4-7 : JIG Cable Connection Explain>

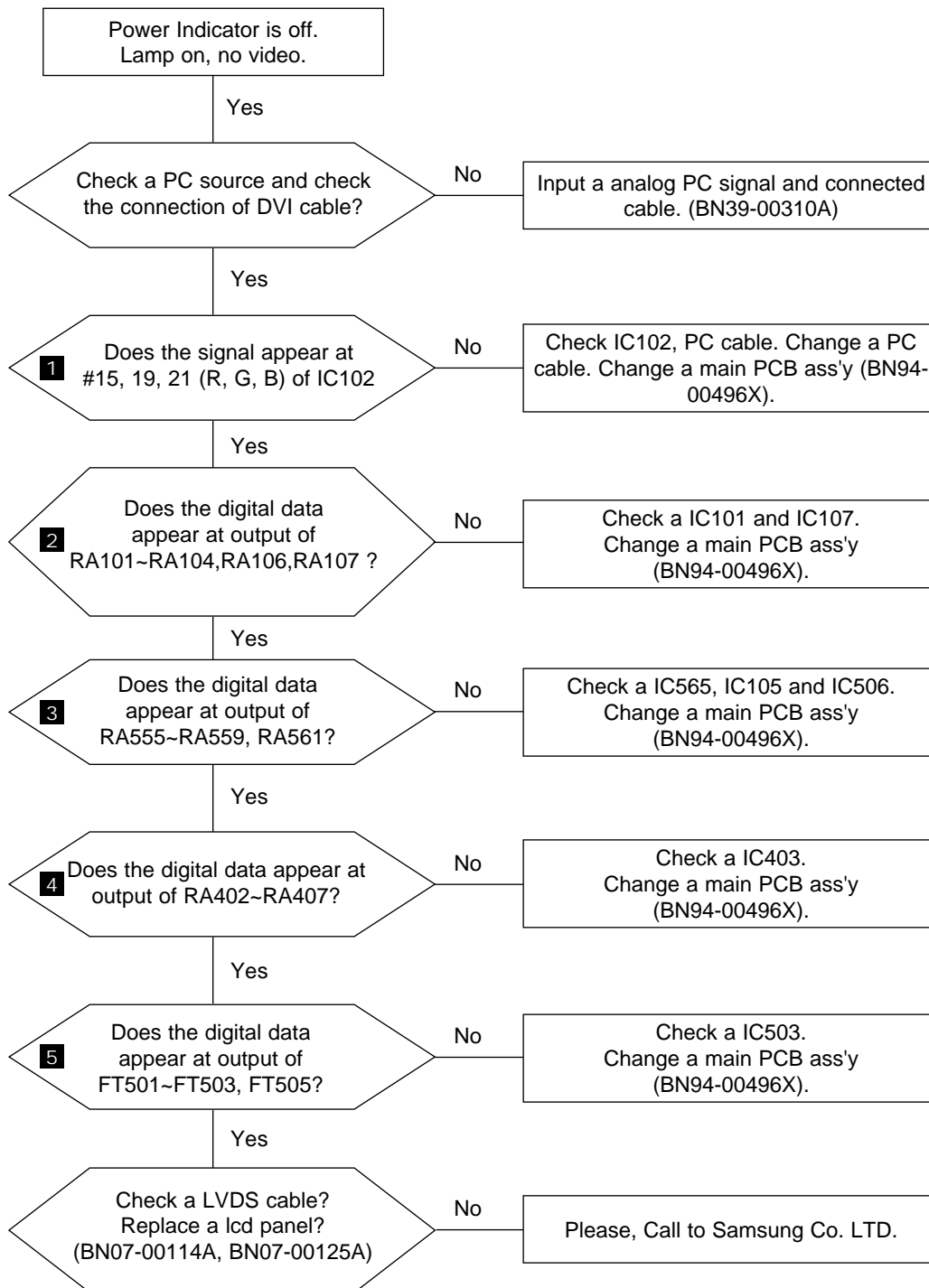
- Connect with PC Pattern Generator's output.
(Connect only when you want to see PC screen.)
- Connect with JIG Output (15 pins) and PC Input (PC/DVI 24 pins) terminal.
- Connect with COM Port1 of PC (9 Pins).
- Connect 14V 4.5A Adaptor Cable.

5 Troubleshooting

5-1 No Power

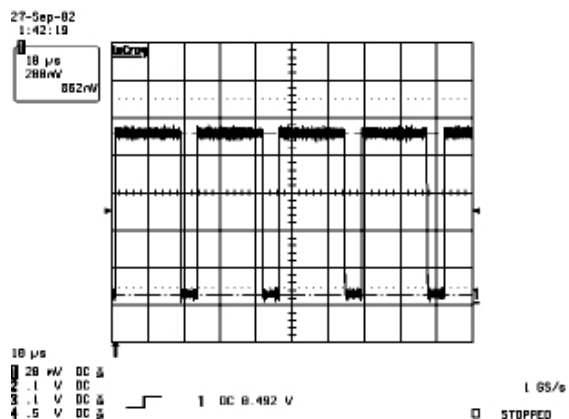


5-2 No Video (Analog PC Signal)

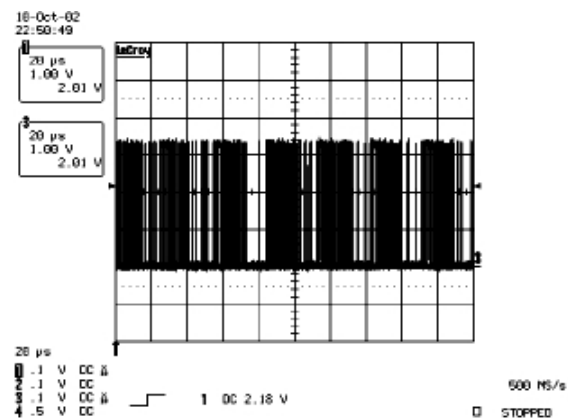


WAVEFORMS

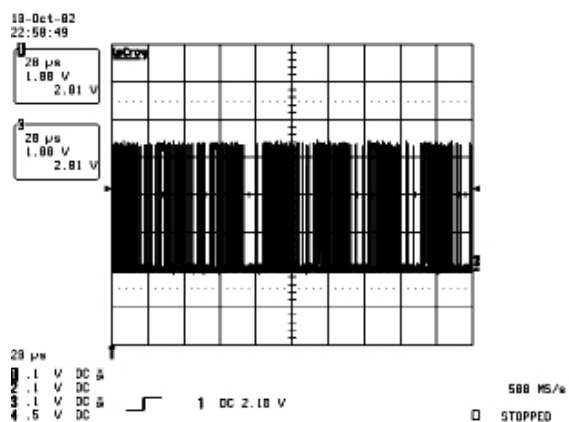
1 R,G,B Output Signal (#15,19,21) Of IC102



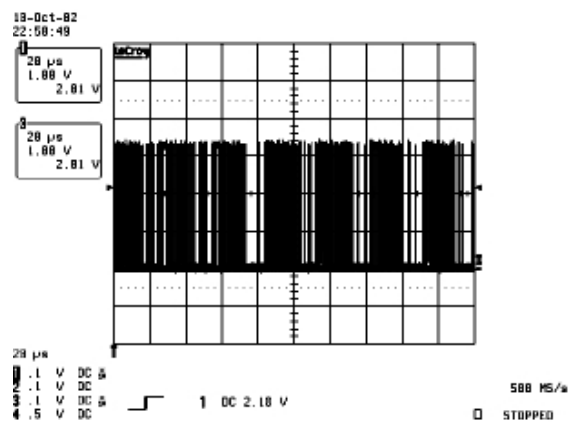
2 R,G,B Output Signal Of IC101



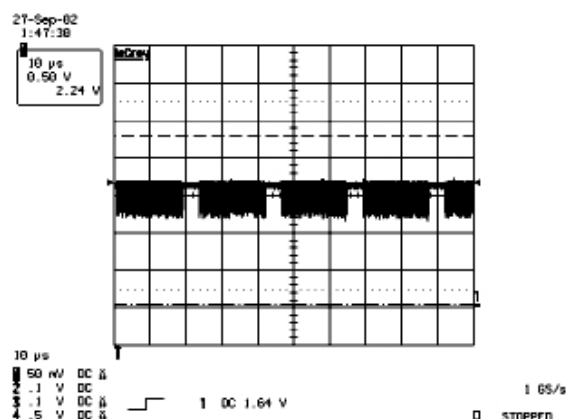
3 Output Digital Signal of IC565



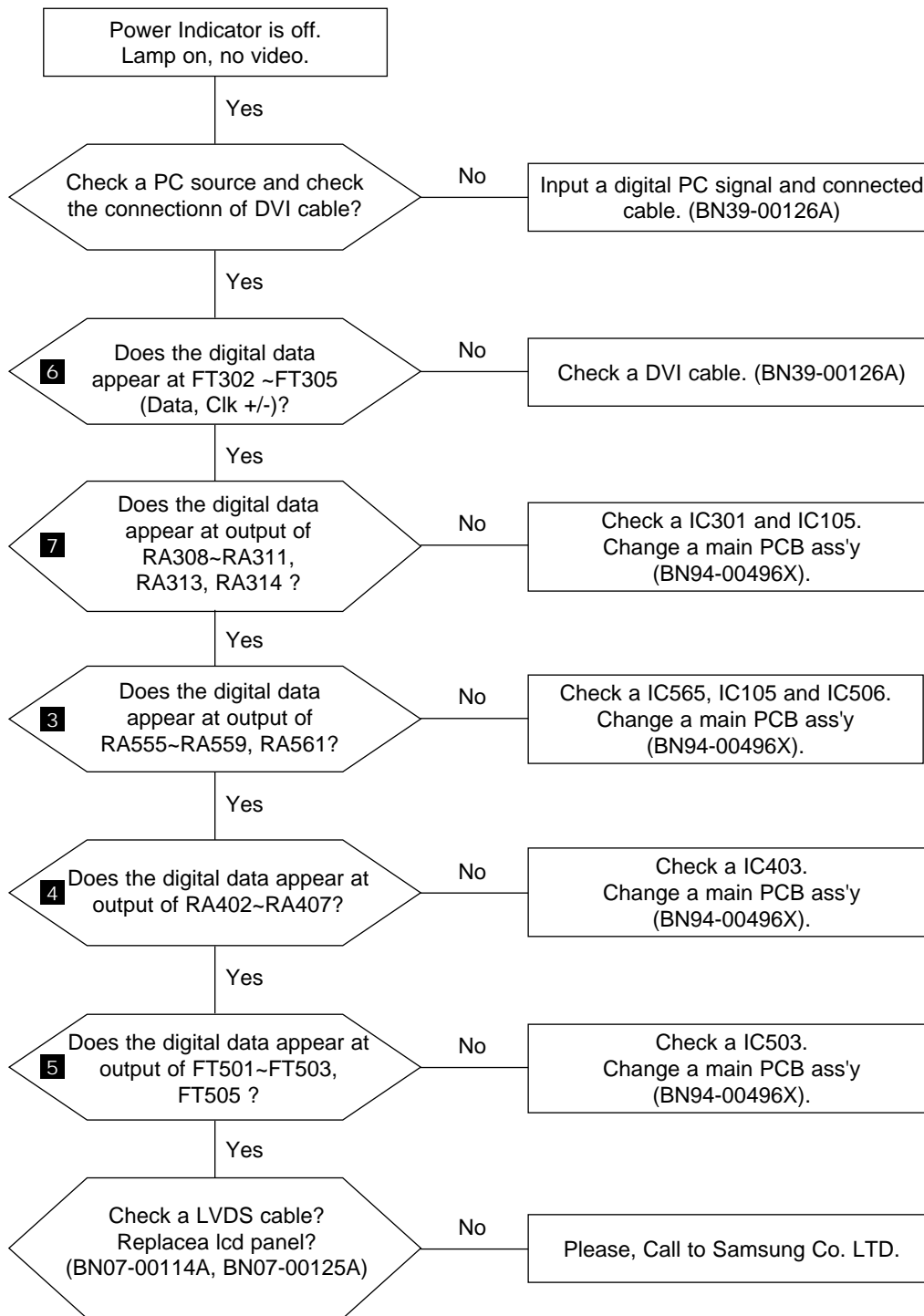
4 Output Digital Signal of IC403



5 Digital Output Data of IC503

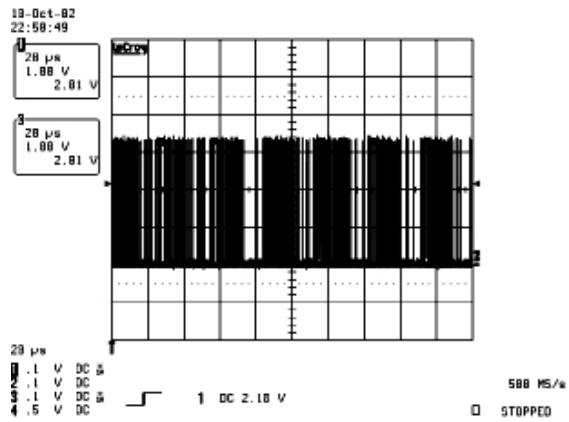


5-3 No Video (Digital PC Signal)

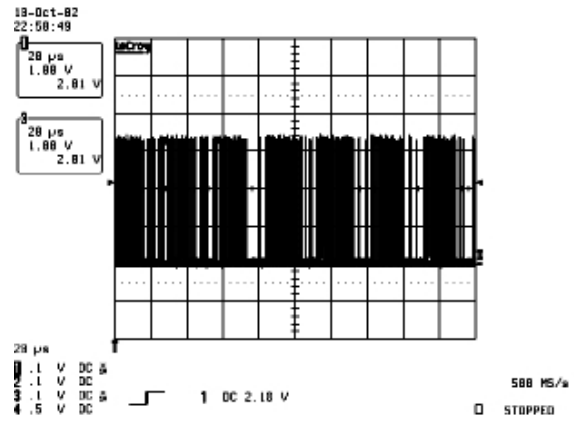


WAVEFORMS

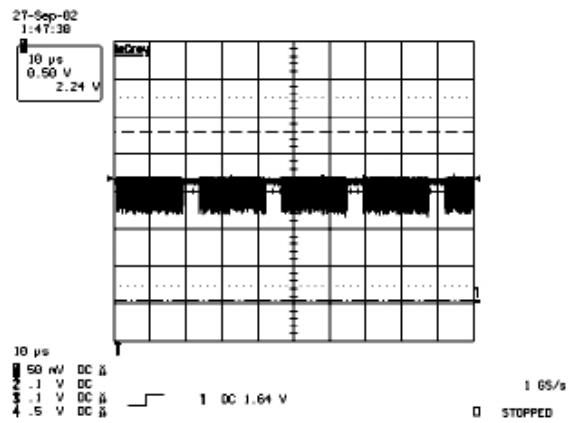
3 Output Digital Signal of IC565



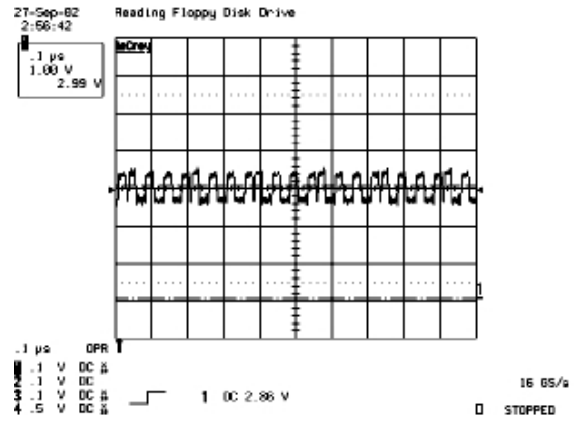
4 Output Digital Signal of IC403



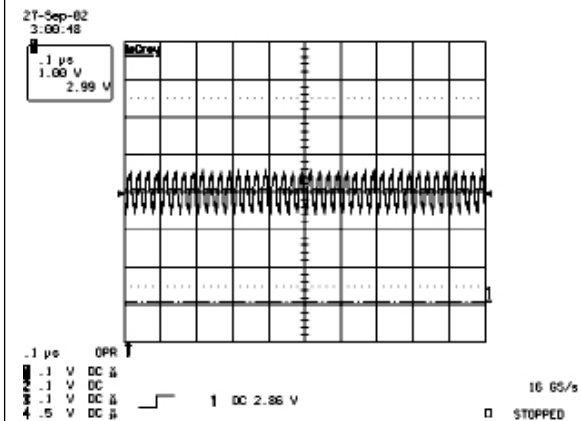
5 Digital Output Data of IC503



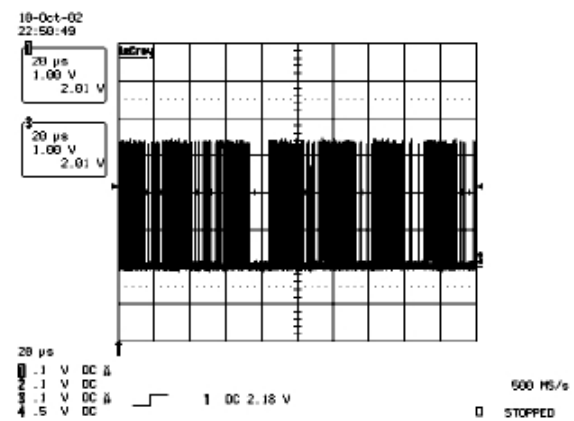
6 Signal of DVI_RX 0~2 (Data)



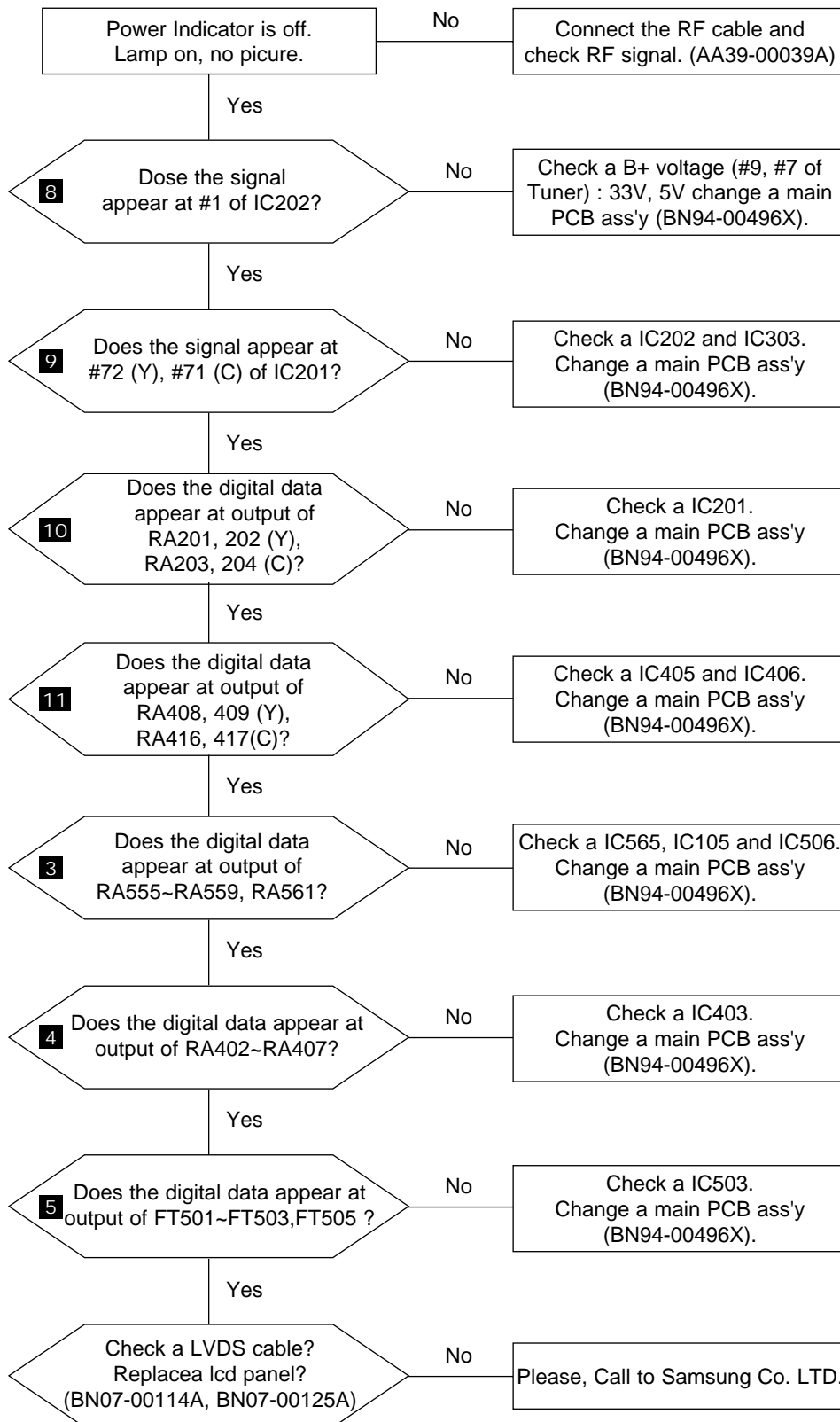
6-1 Signal of DVI_RXC (CLK)



7 Digital Output Signal Of IC301

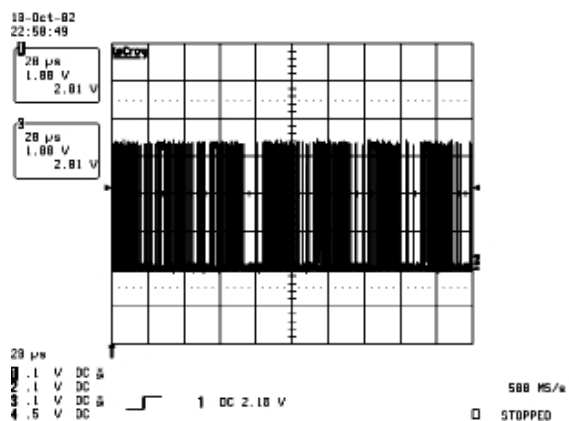


5-4 No Picture (Tuner_CVBS)

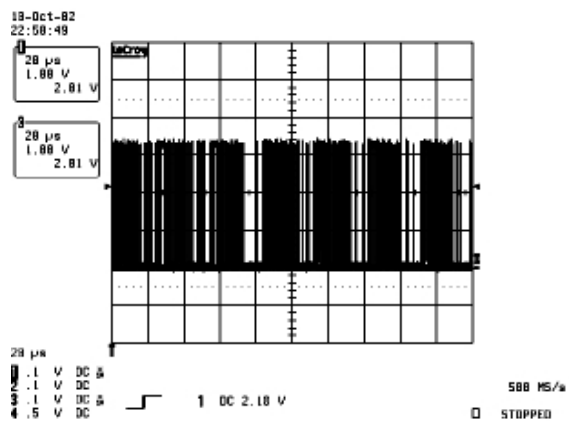


WAVEFORMS

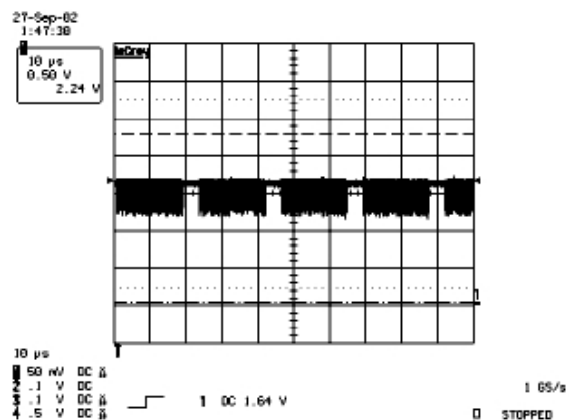
3 Output Digital Signal of IC565



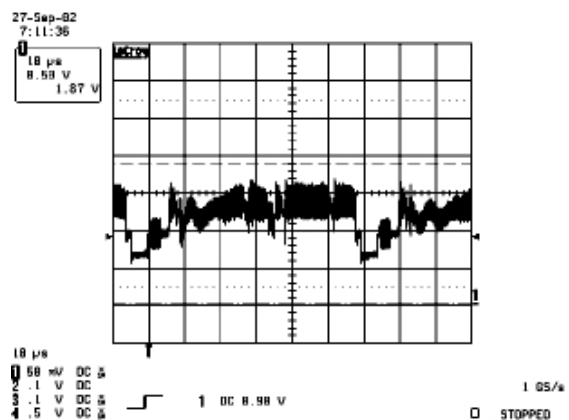
4 Output Digital Signal of IC403



5 Digital Output Data of IC503

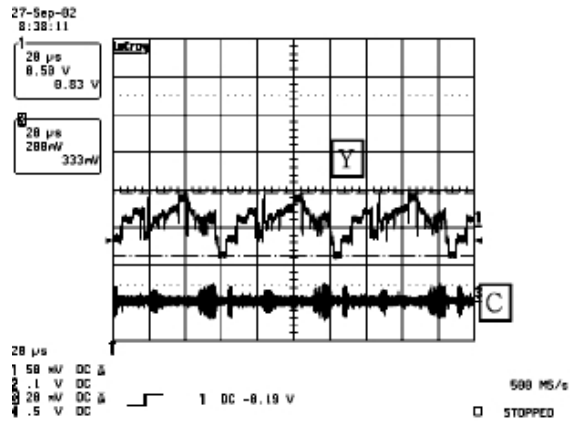


8 Tuner_CVBS Output Signal

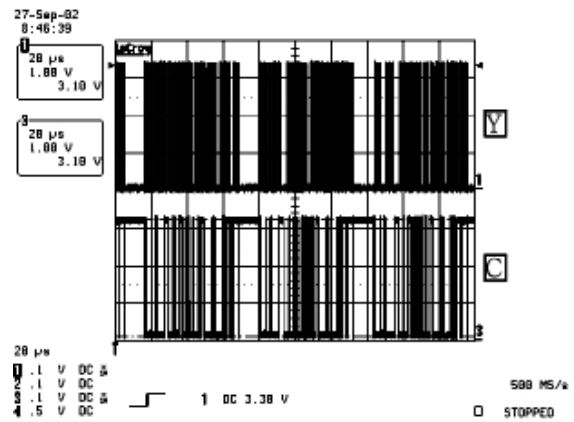


WAVEFORMS

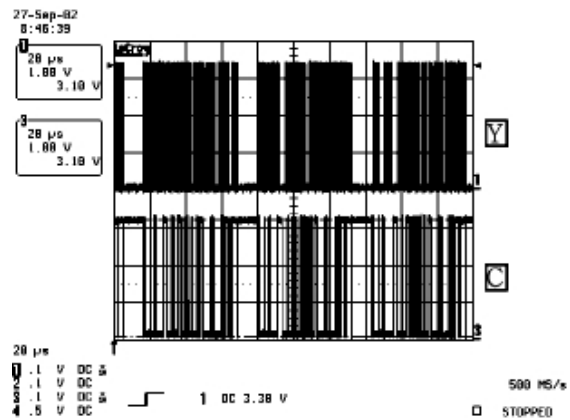
9 Analog Signal (Y,C) to IC201



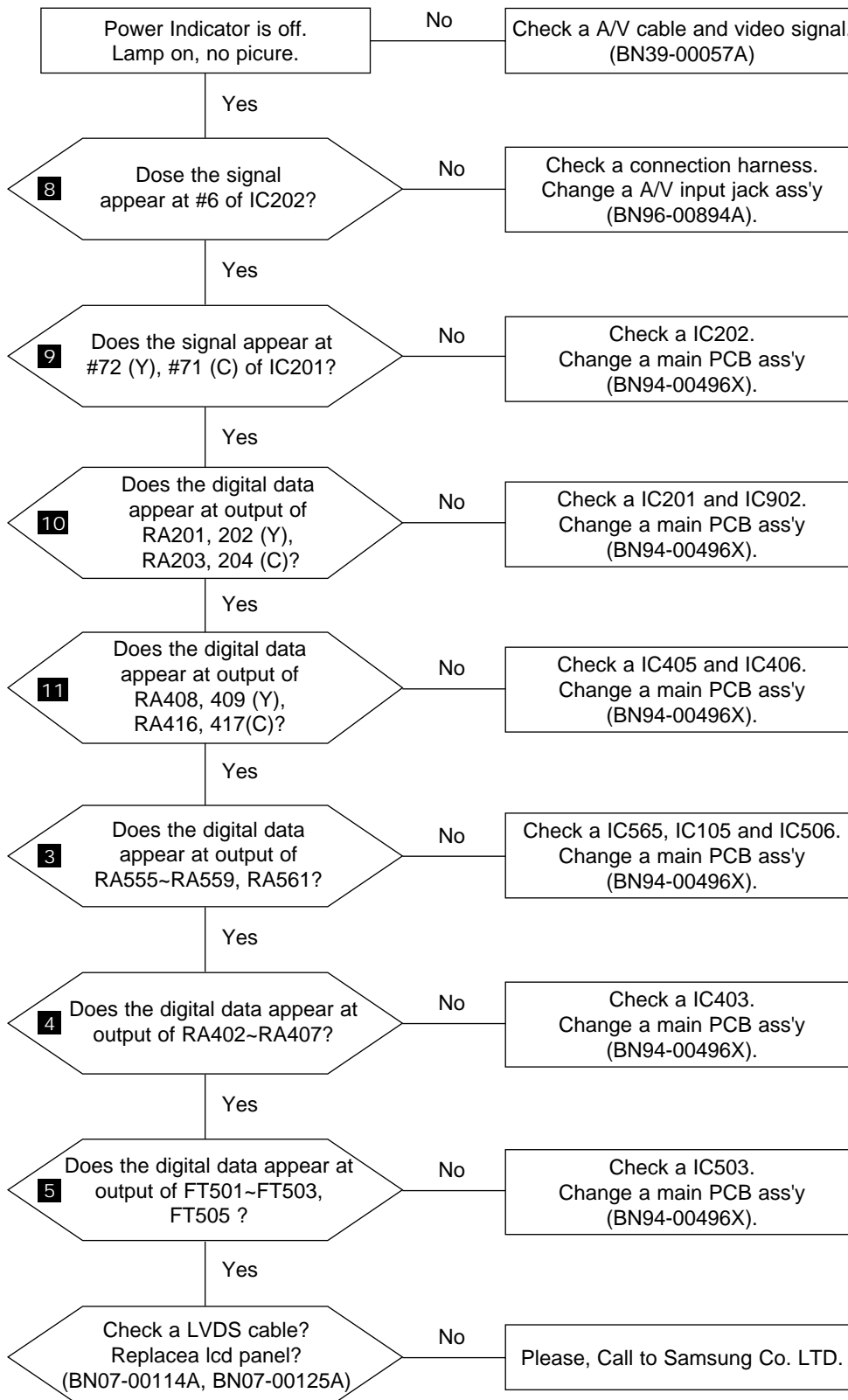
10 3230 Y,C_OUT (0:7) Data



11 Digital Output Y,C_OUT (0:7) Data Of IC405

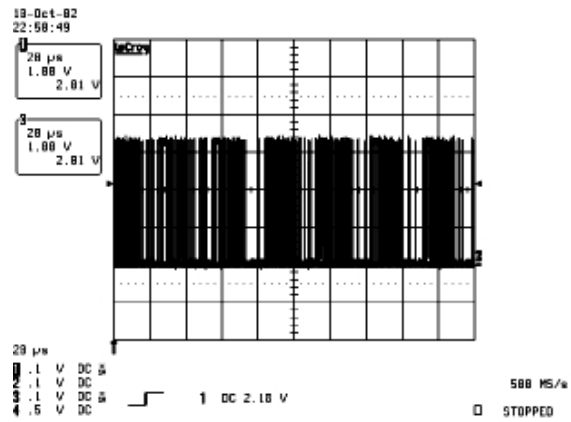


5-5 No Picture (Video_CVBS)

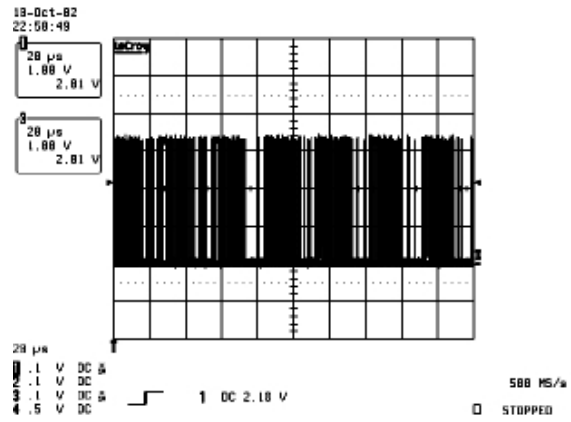


WAVEFORMS

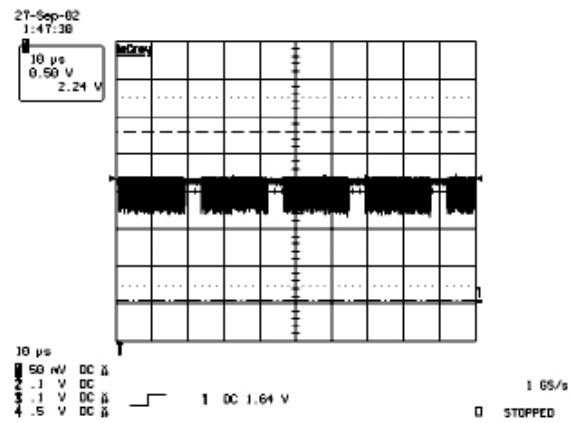
3 Output Digital Signal of IC565



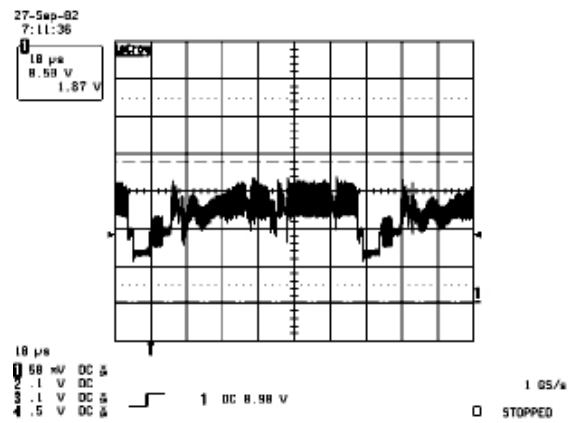
4 Output Digital Signal of IC403



5 Digital Output Data of IC503

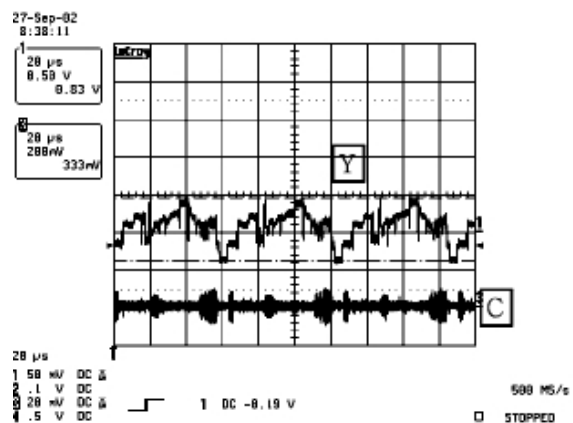


8 Tuner_CVBS Output Signal

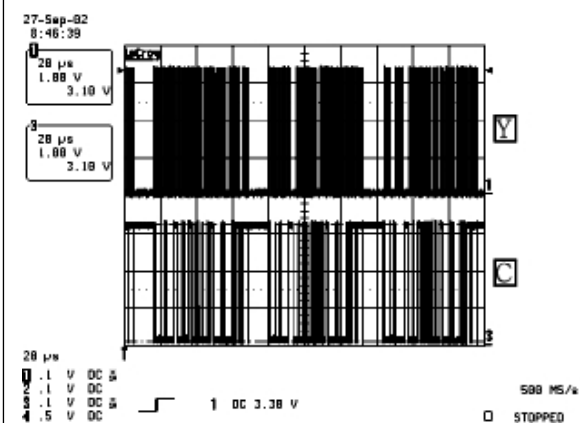


WAVEFORMS

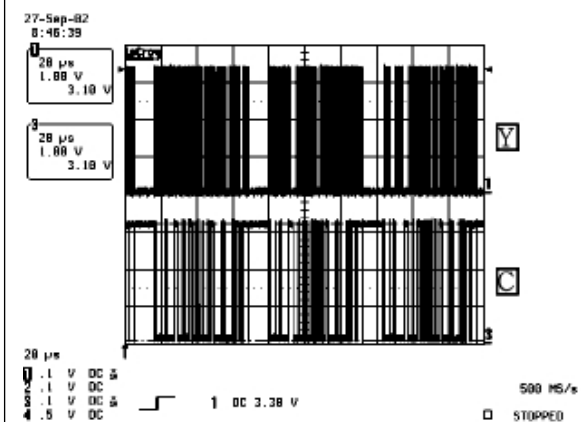
9 Analog Signal (Y,C) to IC201



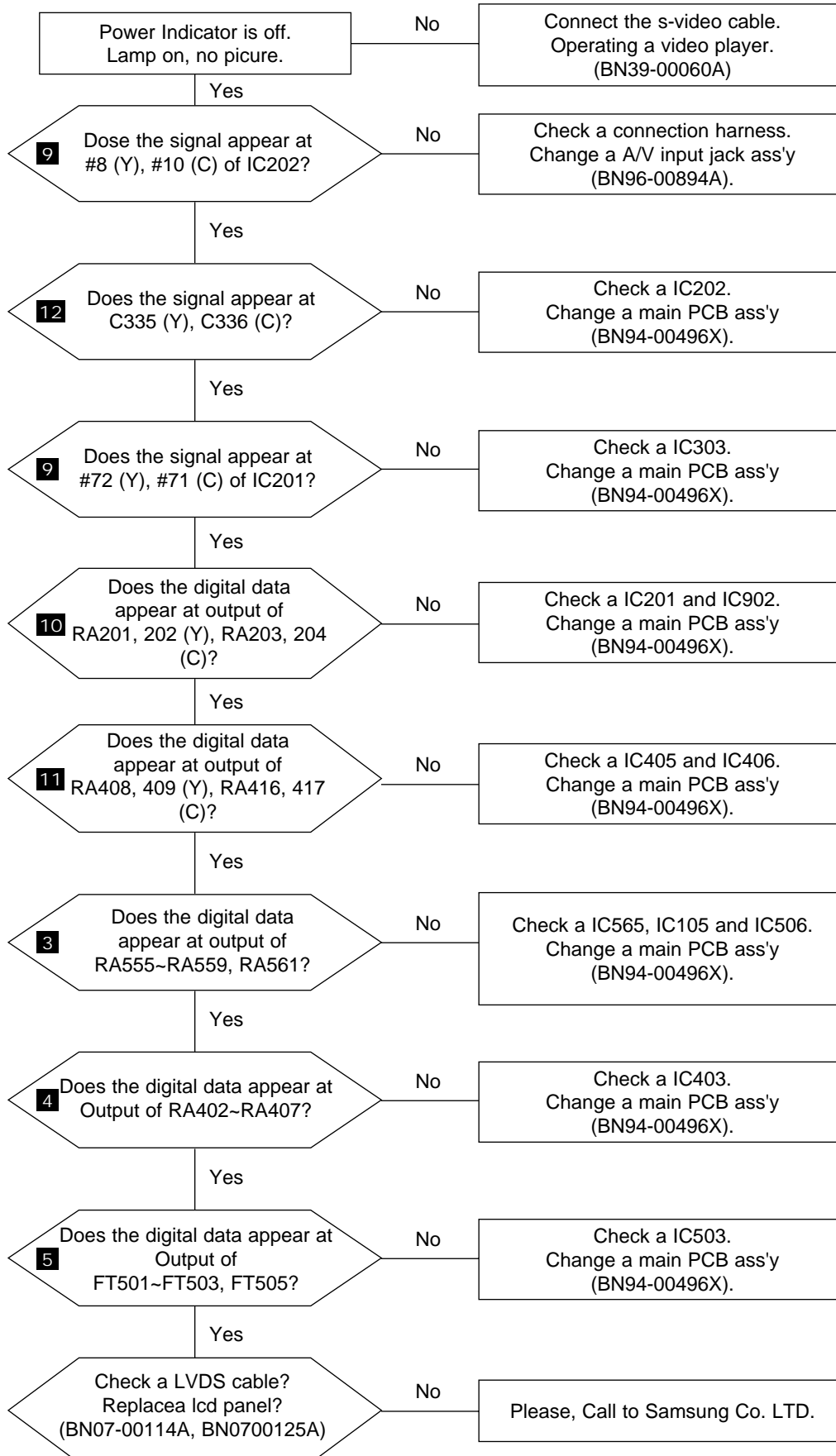
10 3230 Y,C_OUT (0:7) Data



11 Digital Output Y,C_OUT (0:7) Data Of IC405

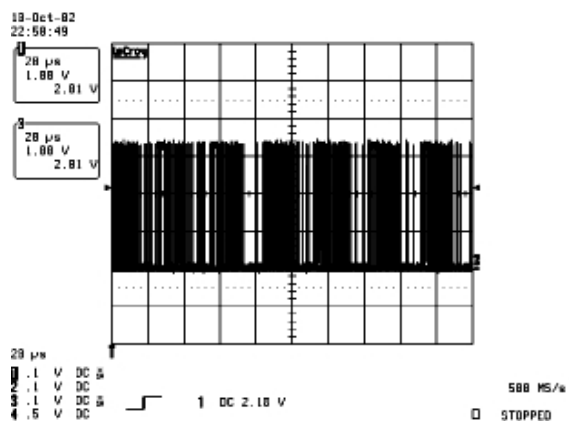


5-6 No Picture (S-VIDEO_Y,C)

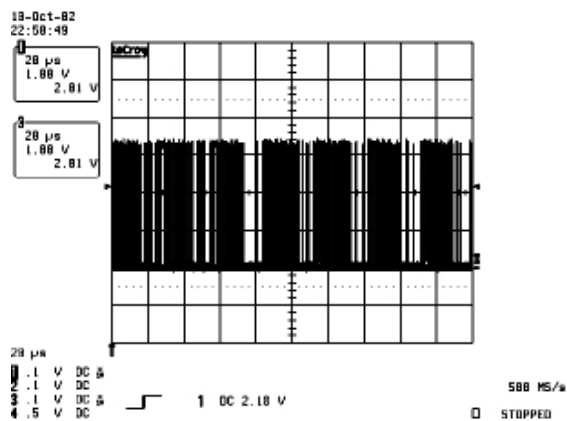


WAVEFORMS

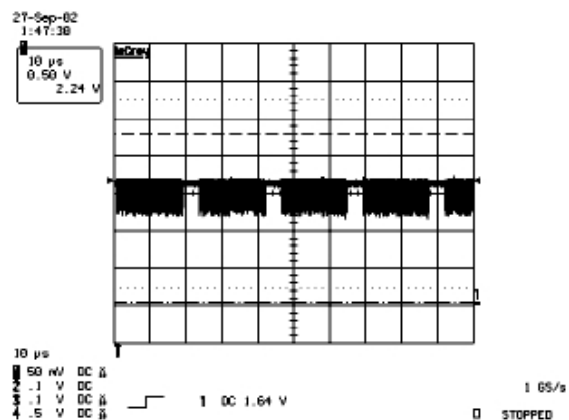
3 Output Digital Signal of IC565



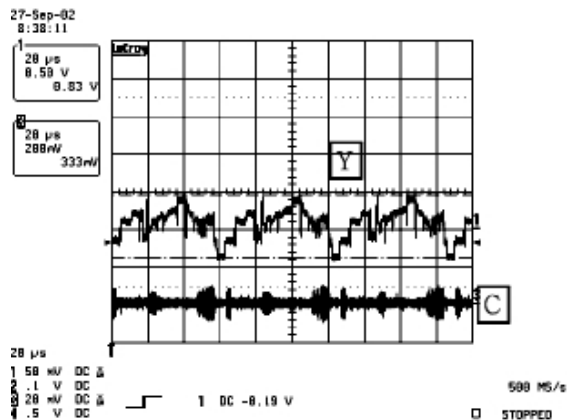
4 Output Digital Signal of IC403



5 Digital Output Data of IC503

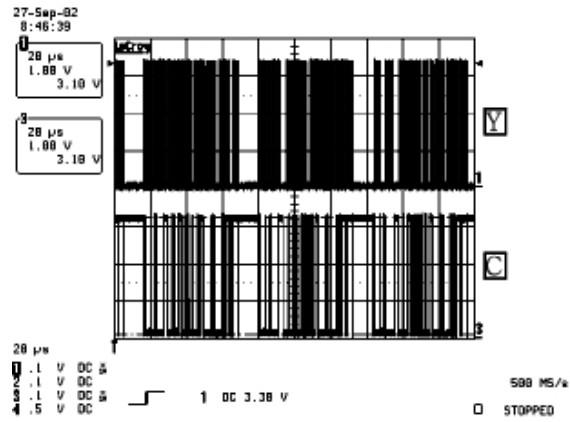


9 Analog Signal (Y,C) to IC201

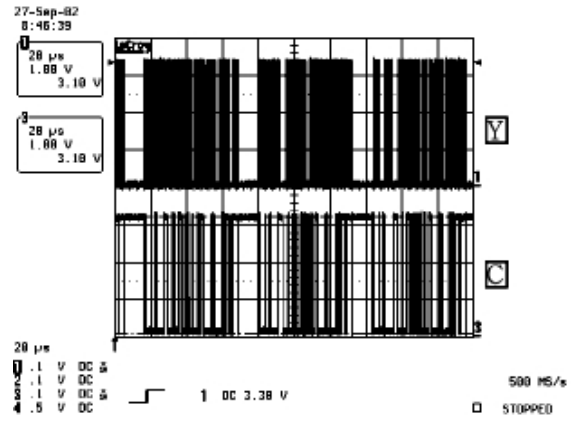


WAVEFORMS

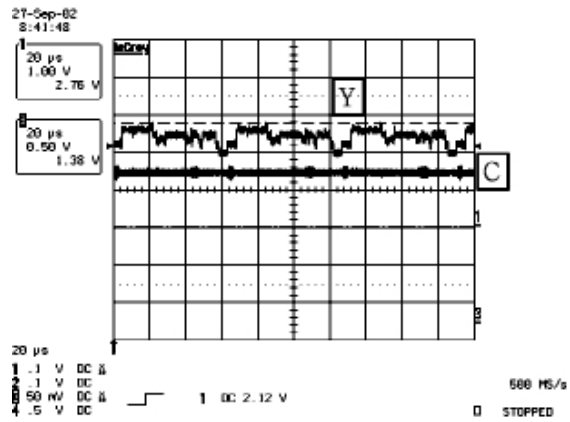
10 3230 Y,C_OUT (0:7) Data



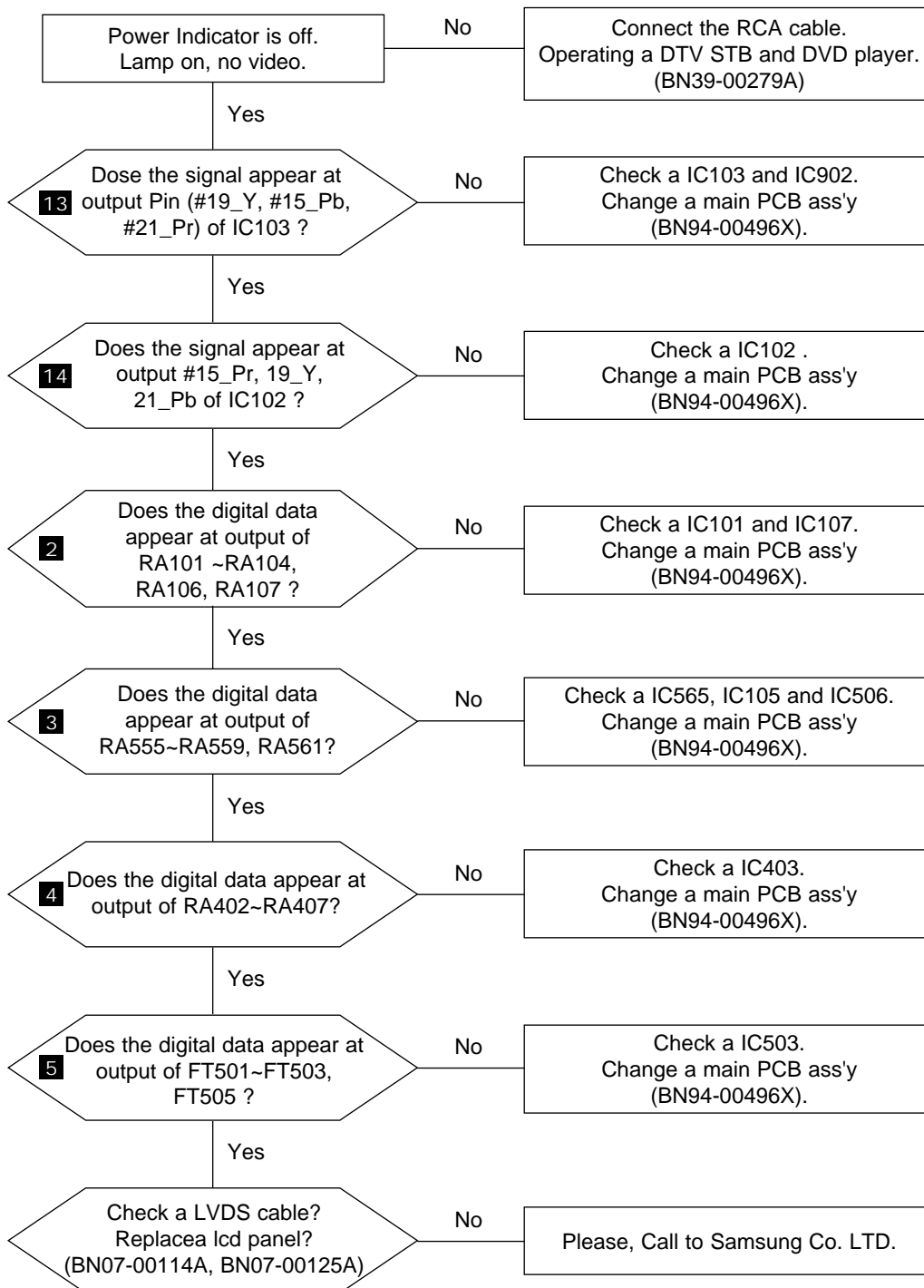
11 Digital Output Y,C_OUT (0:7) Data Of IC405



12 SVHS_Y,C Input Signal to IC202

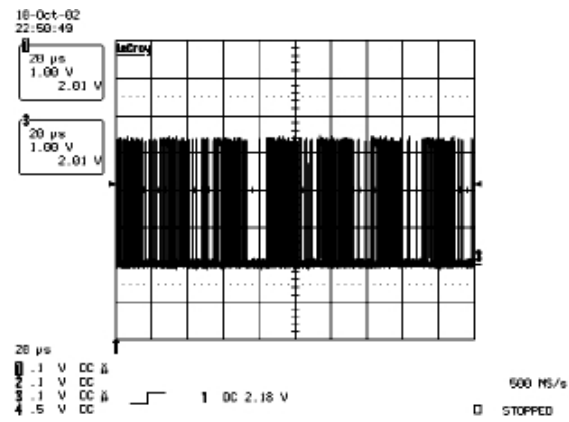


5-7 No Picture (Component1, 2 : 480i, 480p, 720p, 1080i [Y, Pb, Pr])

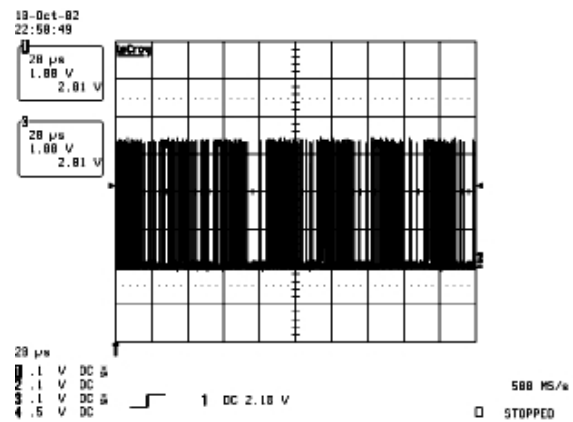


WAVEFORMS

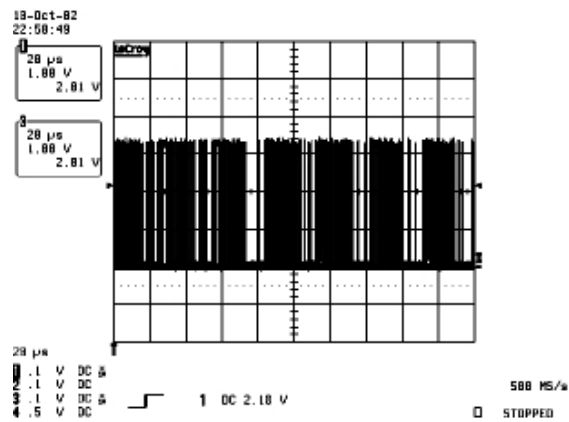
2 R,G,B Output Signal Of IC101



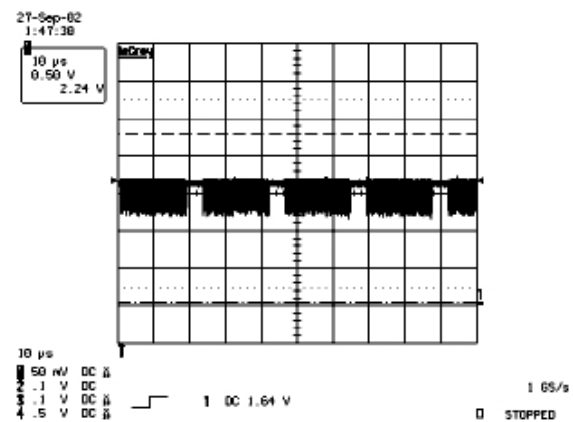
3 Output Digital Signal of IC565



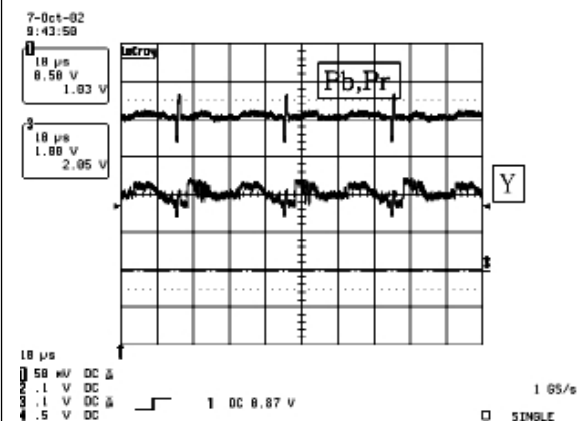
4 Output Digital Signal of IC403



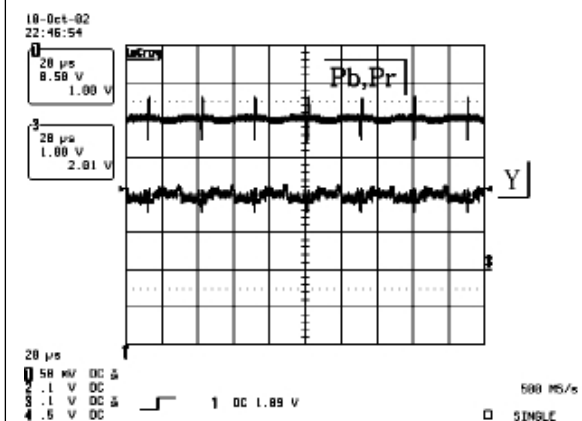
5 Digital Output Data of IC503



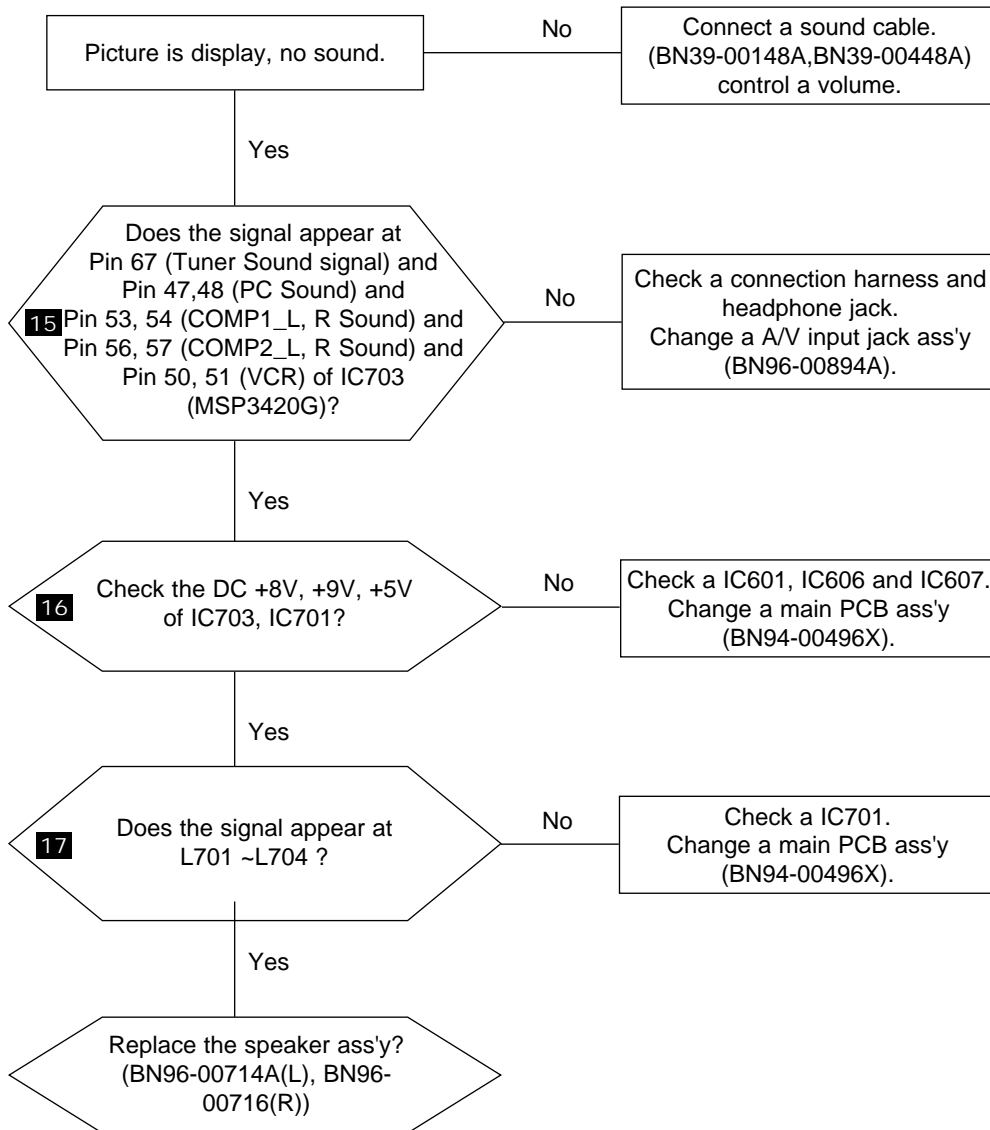
13 Output Signal of IC103 (Y,Pb,Pr)



14 Input Signal (Y,Pb,Pr) to IC102

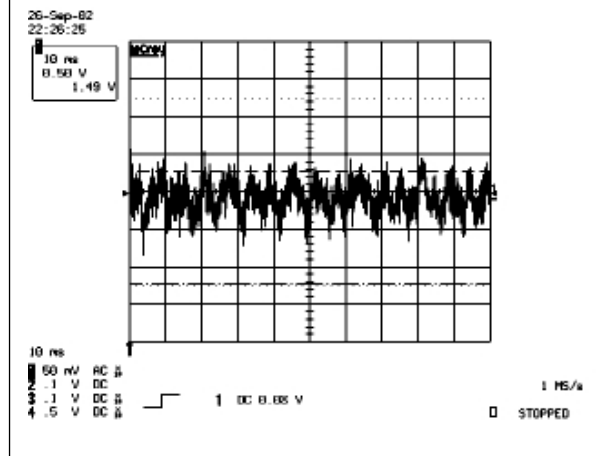


5-8 No Sound

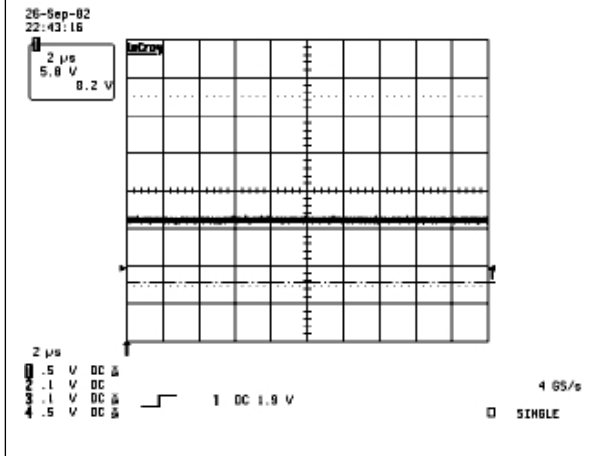


WAVEFORMS

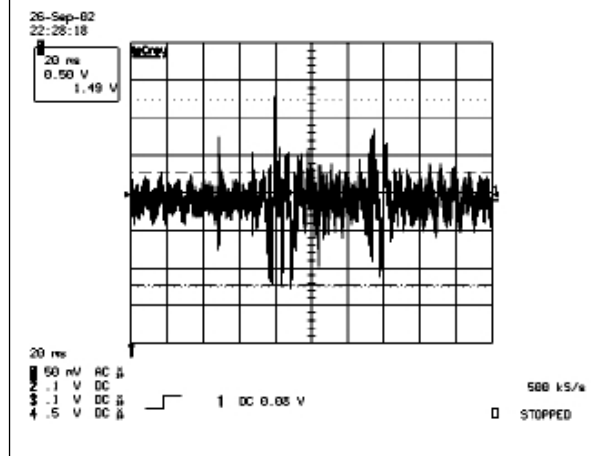
15 The Signal are Inputed to IC703



16 DC +8V

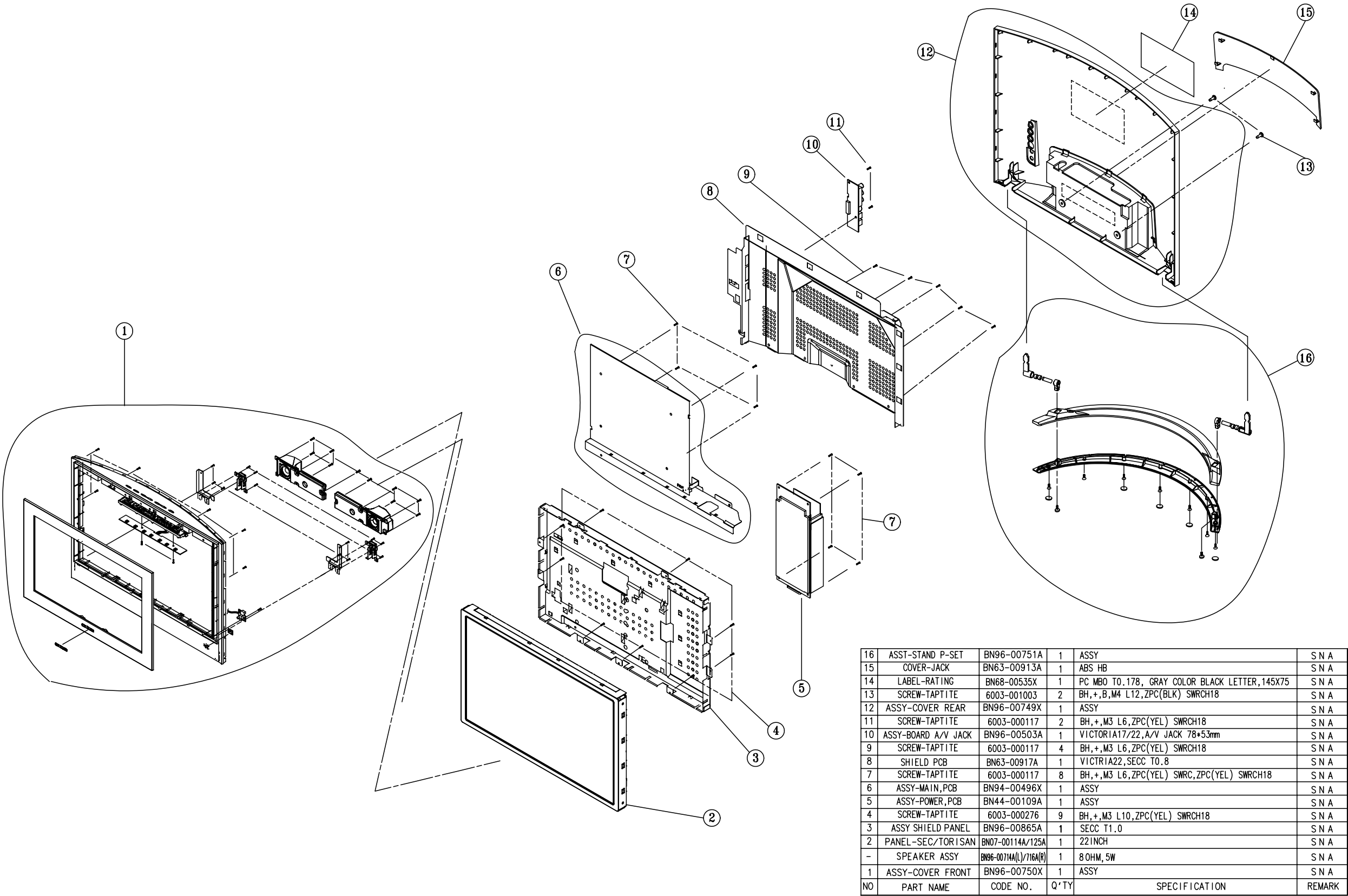


17 Output WaveForm



6 Exploded View and Parts List

※ You can search for updated part codes through ITSELF web site.
URL : <http://itself.sec.samsung.co.kr/>



Memo

7 Electrical Parts List

-You can search for updated part codes through ITSELF web site.

URL : <http://itself.sec.samsung.co.kr/>

7-1 LA22N21BX/SAP

| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|----------|---------------|--|------|--------|
| 0 | | LA22N21BX/SAP | LA22N21B,VA22S,22,LCD-TV,SINGAPORE | 0 | |
| 0.1 | M0216 | BN90-00486L | ASSY STAND;VR22UO | 1 | S.N.A |
| ..2 | M0142 | BN96-00751A | ASSY MISC P-STAND;VR22UO | 1 | |
| ...3 | CCM1 | 6001-000139 | SCREW-MACHINE;BH,+,M4,L10,ZPC(YEL),SWRCH | 2 | S.N.A |
| ...3 | M0081 | 6003-001010 | SCREW-TAPTITE;FH,+,B,M3,L6,ZPC(YEL),SWRC | 7 | S.N.A |
| ...3 | STD | BN61-00680A | BRACKET-STAND DIE;LT22N2,ZN-2,DIECASTING | 1 | S.N.A |
| ...3 | STD | BN61-00730A | HINGE-STAND;VIC22,DIECASTING | 1 | S.N.A |
| ...3 | STD | BN61-00731A | HINGE-BODY;VIC22,DIECASTING | 1 | S.N.A |
| ...3 | STD | BN63-00915A | COVER-STAND REAR;LT22N2,ABS HB,URETHANE | 1 | S.N.A |
| ...3 | M0126 | BN73-60002A | RUBBER-FOOT;CY15PO,SPONGE,-,-,BL,-,-,- | 5 | S.N.A |
| 0.1 | M0001 | BN90-00677T | ASSY COVER FRONT;VA22SO,SINGAPORE | 1 | S.N.A |
| ..2 | M0081 | 6003-001003 | SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR | 2 | S.N.A |
| ..2 | T0003 | BN96-00750J | ASSY COVER P-FRONT;VR22SO,ABS VO,SVM-116 | 1 | |
| ...3 | M0081 | 6003-000117 | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(YEL),SWRC | 4 | |
| ...3 | M0081 | 6003-000259 | SCREW-TAPTITE;BH,+,B,M3,L8,ZPC(YEL),SWRC | 2 | S.N.A |
| ...3 | M0081 | 6003-000276 | SCREW-TAPTITE;BH,+,B,M3,L10,ZPC(YEL),SWC | 28 | S.N.A |
| ...3 | M0115 | BN61-00398A | BRACKET-STAND;VR17KO,SECC,T1.0,... | 2 | S.N.A |
| ...3 | C/F | BN61-00400A | STAND-SPRING;VR17KO,SUS,T0.5,... | 2 | S.N.A |
| ...3 | C/F | BN61-00682A | BRACKET-PANEL L;LT22N2,SECC,T1.0 | 1 | S.N.A |
| ...3 | C/F | BN61-00683A | BRACKET-PANEL R;LT22N2,SECC,T1.0 | 1 | S.N.A |
| ...3 | M0112 | BN63-00631A | COVER-FRONT;LT22N2,ABS HB,URETHANE | 1 | S.N.A |
| ...3 | C/F | BN63-00911A | COVER-FRONT BEZEL;LT22N2,ABS HB,URETHANE | 1 | S.N.A |
| ...3 | M0007 | BN64-00155A | KNOB-FUNCTION;VR17KO,ABS HB,... | 1 | S.N.A |
| ...3 | T0057 | BN64-00207A | BADGE-BRAND;POSEIDON,AL,T1.5,8.5,50,BLK, | 1 | S.N.A |
| ...3 | C/F | BN67-00083A | LENS LED-IR;VR17KO,ABS,CLEAR,...,ACRYL | 1 | S.N.A |
| ...3 | T0175 | BN96-00714A | ASSY SPEAKER P;16ohm,Victoria22",Left,5W | 1 | |
| ...3 | T0175 | BN96-00716A | ASSY SPEAKER P;16ohm,Victoria22",Right,5 | 1 | |
| ...3 | T0714 | BN96-00950A | ASSY BOARD P-IR;VICTORIA,IR | 1 | S.N.A |
| ...3 | M0145 | BN96-00962A | ASSY BOARD P-FUNCTION;VICTORIA,FUNCTION | 1 | S.N.A |
| 0.1 | M0002 | BN90-00678E | ASSY COVER REAR;VA22SO,SINGAPORE | 1 | S.N.A |
| ..2 | M0175 | BN63-00913A | COVER-DOOR JACK;LT22N2,ABS HB,SILVER(SVM | 1 | |
| ..2 | M0013 | BN96-00749G | ASSY COVER P-REAR;VR22SO,ABS VO,GR70,SVM | 1 | |
| ...3 | M0006 | BN63-00912A | COVER-REAR;LT22N2,ABS HB,URETHANE | 1 | S.N.A |
| ...3 | C/R | BN64-00175J | INLAY-REAR;VR22SO,PC,T0.178,124*29,EMBO | 1 | S.N.A |
| ...3 | C/R | BN73-00093A | RUBBER-EPDM;ROME 40,RUBBER,10*30,NTR | 1 | S.N.A |
| 0.1 | | BN91-00567M | ASSY LCD-S6;PD22,S6 | 1 | S.N.A |
| ..2 | M0019 | BN07-00114A | LCD;LTA220W1-L01,ES17AS,1280*720,525.6*3 | 1 | |
| 0.1 | M0112 | BN91-00763A | ASSY SHIELD;VR22UO | 1 | S.N.A |
| ..2 | M0081 | 6003-000117 | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(YEL),SWRC | 5 | |
| ..2 | M0081 | 6003-000117 | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(YEL),SWRC | 1 | |
| ..2 | M0081 | 6003-000117 | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(YEL),SWRC | 4 | |
| ..2 | M0081 | 6003-000117 | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(YEL),SWRC | 4 | |
| ..2 | M0081 | 6003-000117 | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(YEL),SWRC | 2 | |
| ..2 | M0081 | 6003-000276 | SCREW-TAPTITE;BH,+,B,M3,L10,ZPC(YEL),SWC | 9 | S.N.A |
| ..2 | M0158 | BN44-00109A | ADAPTOR;AD-12014(I),VR22KO,90 to 265 Vac | 1 | |
| ..2 | CIS | BN63-00917A | SHIELD-SUB PCB;LT22N2,SECC,T0.5 | 1 | S.N.A |
| ..2 | M0215 | BN96-00865A | ASSY MISC P-SHIELD PANEL;VR22**,SECC T1. | 1 | S.N.A |
| ...3 | CIS | BN61-00681A | BRACKET-PCB BRM;LT22N2,SECC,T1.0 | 1 | S.N.A |
| ...3 | M0131 | BN63-00735A | GASKET;GH15PS,Conductive Fabric,4mm,30mm | 1 | S.N.A |
| ..2 | M2893 | BN39-00481A | LEAD CONNECTOR;VICTORIA,UL2835#28,UL/CSA | 1 | |
| ..2 | M0130 | BN96-00963A | ASSY BOARD P-AV/JACK;VICTORIA,AV/JACK | 1 | S.N.A |
| ..2 | CIS | BN73-00024C | SILICON/RUBBER-BERGQUIST;VENUS 32,40*,SI | 3 | S.N.A |
| 0.1 | M0017 | BN91-00814E | ASSY CHASSIS-S6;VA22SO | 1 | S.N.A |
| ..2 | M0108 | BN63-00918A | SHIELD-D SUB;LT22N2,SPTE,T0.5 | 1 | S.N.A |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|----------|-------------|--|------|--------|
| ..2 | M0014 | BN94-00595Y | ASSY PCB MAIN-S6;VA22SO | 1 | S.N.A |
| ...3 | T0245 | 0202-001366 | SOLDER-WIRE FLUX;-;RS60S,D1.2,63Sn/37Pb, | 0.25 | |
| ...3 | C701 | 2305-000196 | C-FILM,LEAD-PEF;150nF,5%,63V,TP,-,5mm | 1 | |
| ...3 | C704 | 2305-000196 | C-FILM,LEAD-PEF;150nF,5%,63V,TP,-,5mm | 1 | |
| ...3 | C724 | 2305-000196 | C-FILM,LEAD-PEF;150nF,5%,63V,TP,-,5mm | 1 | |
| ...3 | C725 | 2305-000196 | C-FILM,LEAD-PEF;150nF,5%,63V,TP,-,5mm | 1 | |
| ...3 | C602 | 2401-000038 | C-AL;470uF,20%,25V,GP,TP,10x12.5mm, | 1 | |
| ...3 | CN809 | 3701-001221 | CONNECTOR-DSUB;24P+5C,3R,FEMALE,ANGLE,AU | 1 | |
| ...3 | CN906 | 3711-004712 | CONNECTOR-HEADER;BOX,9P,1R,2mm,STRAIGHT, | 1 | |
| ...3 | CN801 | 3722-001810 | JACK-PIN;6P(6P),8.3MM,NI,GN/BL/RD/GN/BL/ | 1 | |
| ...3 | CN802 | 3722-001988 | JACK-PIN;4P(4C),NI,WHT/RED X2,ANGLE | 1 | S.N.A |
| ...3 | CIS3 | BN40-00045A | TUNER;TMQZ6-408A,PAL-CS,PAL Hyper,38.9MH | 1 | |
| ...3 | T0174 | BN97-00420T | ASSY SMD;VA22SO | 1 | |
|4 | D102 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D103 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D104 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D105 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D106 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D107 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D301 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D502 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D510 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D511 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D702 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D849 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D867 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D868 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D869 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D871 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D872 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D873 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D874 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D875 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D876 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D877 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D878 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D901 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D601 | 0402-000553 | DIODE-RECTIFIER;SS24,40V,2.0A,DO-214AA | 1 | |
|4 | D602 | 0402-000553 | DIODE-RECTIFIER;SS24,40V,2.0A,DO-214AA | 1 | |
|4 | D603 | 0402-000553 | DIODE-RECTIFIER;SS24,40V,2.0A,DO-214AA | 1 | |
|4 | D604 | 0402-000553 | DIODE-RECTIFIER;SS24,40V,2.0A,DO-214AA | 1 | |
|4 | D605 | 0402-000553 | DIODE-RECTIFIER;SS24,40V,2.0A,DO-214AA | 1 | |
|4 | D606 | 0402-000553 | DIODE-RECTIFIER;SS24,40V,2.0A,DO-214AA | 1 | |
|4 | D882 | 0403-000314 | DIODE-ZENER;RLZJ9.1B,8.8-9.3V,500MW,LL-3 | 1 | |
|4 | D884 | 0403-000314 | DIODE-ZENER;RLZJ9.1B,8.8-9.3V,500MW,LL-3 | 1 | |
|4 | D300 | 0403-000579 | DIODE-ZENER;BZX84C5V1,4.8-5.4V,200MW,SOT | 1 | |
|4 | D501 | 0403-000579 | DIODE-ZENER;BZX84C5V1,4.8-5.4V,200MW,SOT | 1 | |
|4 | D906 | 0403-000579 | DIODE-ZENER;BZX84C5V1,4.8-5.4V,200MW,SOT | 1 | |
|4 | D907 | 0403-000579 | DIODE-ZENER;BZX84C5V1,4.8-5.4V,200MW,SOT | 1 | |
|4 | D504 | 0403-000620 | DIODE-ZENER;RLZ5.6B,5.45-5.73V,500MW,LL- | 1 | |
|4 | D703 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D704 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D706 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D707 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D801 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D803 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D805 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D806 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D808 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D811 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D813 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D814 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D815 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D816 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D817 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D822 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D824 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |

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| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|----------|-------------|--|------|--------|
|4 | D826 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D827 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D836 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D837 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D838 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D839 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D841 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D842 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D843 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D844 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D845 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D846 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D847 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D848 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D851 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D852 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D853 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D854 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D855 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D856 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D857 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D858 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D859 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D861 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D862 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D863 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D864 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D865 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D866 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D911 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D912 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D913 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D705 | 0403-001282 | DIODE-ZENER;BZT52-C15,13.8-15.6,410MW,SO | 1 | |
|4 | D701 | 0403-001435 | DIODE-ZENER;QZX363C5V6,5.32-5.88V,200MW, | 1 | |
|4 | D607 | 0404-001166 | DIODE-SCHOTTKY;MBRM130LT3,30V,1000MA,D0- | 1 | |
|4 | D608 | 0404-001166 | DIODE-SCHOTTKY;MBRM130LT3,30V,1000MA,D0- | 1 | |
|4 | D101 | 0407-000123 | DIODE-ARRAY;DAN202K,80V,100MA,CA2-3,SOT- | 1 | |
|4 | D611 | 0407-000123 | DIODE-ARRAY;DAN202K,80V,100MA,CA2-3,SOT- | 1 | |
|4 | Q101 | 0501-000342 | TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT- | 1 | |
|4 | Q102 | 0501-000342 | TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT- | 1 | |
|4 | Q103 | 0501-000342 | TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT- | 1 | |
|4 | Q701 | 0501-000342 | TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT- | 1 | |
|4 | Q803 | 0501-000342 | TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT- | 1 | |
|4 | Q901 | 0501-000342 | TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT- | 1 | |
|4 | Q914 | 0501-000342 | TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT- | 1 | |
|4 | Q506 | 0501-002080 | TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59 | 1 | |
|4 | Q601 | 0501-002080 | TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59 | 1 | |
|4 | Q602 | 0501-002080 | TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59 | 1 | |
|4 | Q603 | 0501-002080 | TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59 | 1 | |
|4 | Q703 | 0501-002080 | TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59 | 1 | |
|4 | Q801 | 0501-002080 | TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59 | 1 | |
|4 | Q802 | 0501-002080 | TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59 | 1 | |
|4 | Q409 | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1 | |
|4 | Q409 | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1 | |
|4 | Q409 | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1 | |
|4 | Q409 | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1 | |
|4 | Q409 | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1 | |
|4 | Q409 | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1 | |
|4 | Q409 | 0505-001170 | FET-SILICON;SI9933ADY-T1,P,-20V,3.4A,0.0 | 1 | |
|4 | Q409 | 0505-001170 | FET-SILICON;SI9933ADY-T1,P,-20V,3.4A,0.0 | 1 | |
|4 | IC104 | 0801-002267 | IC-CMOS LOGIC;74LCX14,-,SOIC,14P,150MIL, | 1 | |
|4 | IC104 | 0801-002396 | IC-CMOS LOGIC;74LCX74,D FLIP FLOP,SOP,14 | 1 | |
|4 | IC104 | 0801-002709 | IC-CMOS LOGIC;74HC373,D FLIP-FLOP,TSSOP, | 1 | |
|4 | IC104 | 0801-002709 | IC-CMOS LOGIC;74HC373,D FLIP-FLOP,TSSOP, | 1 | |
|4 | IC1509 | 0803-000117 | IC-TTL;74F14,INVERTER,SOP,14P,150MIL, | 1 | |
|4 | IC1508 | 0803-000122 | IC-TTL;74F125,BUFFER,SOP,14P,150MIL,Q | 1 | |
|4 | IC1501 | 0803-000777 | IC-TTL;74F163,COUNTER,SOP,16P,150MIL, | 1 | |

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| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|----------|-------------|---|------|--------|
|4 | IC1503 | 0803-000777 | IC-TTL;74F163,COUNTER,SOP,16P,150MIL, | 1 | |
|4 | IC1505 | 0803-000777 | IC-TTL;74F163,COUNTER,SOP,16P,150MIL, | 1 | |
|4 | IC1507 | 0803-000777 | IC-TTL;74F163,COUNTER,SOP,16P,150MIL, | 1 | |
|4 | IC106 | 1001-001082 | IC-VIDEO SWITCH;BA7657F,-,SOP,24P,300MIL | 1 | |
|4 | IC106 | 1001-001082 | IC-VIDEO SWITCH;BA7657F,-,SOP,24P,300MIL | 1 | |
|4 | IC111 | 1001-001109 | IC-ANALOG SWITCH;FST3125M,BUS SWITCH & C | 1 | |
|4 | IC112 | 1001-001109 | IC-ANALOG SWITCH;FST3125M,BUS SWITCH & C | 1 | |
|4 | IC106 | 1001-001177 | IC-VIDEO SWITCH;TEA6425D,VIDEO SWITCH ,S | 1 | |
|4 | IC108 | 1002-001365 | IC-A/D CONVERTER;MST9883A-110,24Bit(8x3) | 1 | |
|4 | IC109 | 1003-001559 | IC-LCD CONTROLLER;PW565,PBGA,365P,24X24M | 1 | |
|4 | IC403 | 1003-001565 | IC-DISPLAY DRIVER;SDP31,QFP,208P,28X28MM | 1 | |
|4 | IC112 | 1103-000129 | IC-EEPROM;24C02,256x8,SOP,8P,5x4mm,4.5/5 | 1 | |
|4 | IC112 | 1103-000129 | IC-EEPROM;24C02,256x8,SOP,8P,5x4mm,4.5/5 | 1 | |
|4 | IC112 | 1103-000129 | IC-EEPROM;24C02,256x8,SOP,8P,5x4mm,4.5/5 | 1 | |
|4 | IC112 | 1103-001147 | IC-EEPROM;24256,256Kbit,32Kx8Bit,SOP,8P, | 1 | |
|4 | IC113 | 1105-001336 | IC-DRAM;- ,512K*32*4Bit,TSOP,86P,400MIL,6 | 1 | |
|4 | IC113 | 1105-001336 | IC-DRAM;- ,512K*32*4Bit,TSOP,86P,400MIL,6 | 1 | |
|4 | IC113 | 1105-001336 | IC-DRAM;- ,512K*32*4Bit,TSOP,86P,400MIL,6 | 1 | |
|4 | IC113 | 1105-001336 | IC-DRAM;- ,512K*32*4Bit,TSOP,86P,400MIL,6 | 1 | |
|4 | IC113 | 1105-001336 | IC-DRAM;- ,512K*32*4Bit,TSOP,86P,400MIL,6 | 1 | |
|4 | IC114 | 1106-001367 | IC-SRAM;K6R4008C1C-J12,512KX8BIT,SOJ,36P | 1 | |
|4 | T0085 | 1201-001495 | IC-AUDIO AMP;7050,SOP,8P,150MIL,DUAL,26D | 1 | |
|4 | T0085 | 1201-001983 | IC-AUDIO AMP;TPA3002D2PHP,HTQFP,48P,7X7MM | 1 | |
|4 | IC611 | 1203-000404 | IC-DC/DC CONVERTER;34063,SOP,8P,150MIL,P | 1 | |
|4 | IC612 | 1203-000404 | IC-DC/DC CONVERTER;34063,SOP,8P,150MIL,P | 1 | |
|4 | IC150 | 1203-001009 | IC-SWITCH REG.;3172,SOP,8P,244MIL,PLASTI | 1 | |
|4 | IC302 | 1203-001212 | IC-VOL. DETECTOR;7029,SOT-89,3P,-,PLASTI | 1 | |
|4 | IC504 | 1203-001212 | IC-VOL. DETECTOR;7029,SOT-89,3P,-,PLASTI | 1 | |
|4 | IC509 | 1203-001212 | IC-VOL. DETECTOR;7029,SOT-89,3P,-,PLASTI | 1 | |
|4 | T0087 | 1203-001816 | IC-POSIFIXED REG.;78M08,TO-252,3P,-,PLA | 1 | |
|4 | IC904 | 1203-001824 | IC-VOL. DETECTOR;7042,SOT-89,3P,-,PLASTI | 1 | |
|4 | IC918 | 1203-001824 | IC-VOL. DETECTOR;7042,SOT-89,3P,-,PLASTI | 1 | |
|4 | T0087 | 1203-002067 | IC-POSIFIXED REG.;3330,SOT-23,6P,65MIL, | 1 | |
|4 | IC606 | 1203-002889 | IC-DC/DC CONVERTER;AP1501-K5A,TO263-5L,5 | 1 | |
|4 | IC604 | 1203-003015 | IC-DC/DC CONVERTER;MP1410ES,SOIC,8P,4.9x | 1 | |
|4 | T0170 | 1203-003059 | IC-SWITCH VOL. REG.;MP1583,SOIC,8P,4.9x3 | 1 | |
|4 | T0170 | 1203-003059 | IC-SWITCH VOL. REG.;MP1583,SOIC,8P,4.9x3 | 1 | |
|4 | T0170 | 1203-003059 | IC-SWITCH VOL. REG.;MP1583,SOIC,8P,4.9x3 | 1 | |
|4 | IC907 | 1204-001912 | IC-DECODER;SDA5550M,P-MQFP,100P,-,PLASTI | 1 | |
|4 | IC118 | 1204-001926 | IC-VIDEO PROCESS;VPC3230D-C5,PQFP,80P,-, | 1 | |
|4 | IC510 | 1204-002074 | IC-MODULATOR;P2005S-08SR,SOIC,8P,4.92X3. | 1 | |
|4 | IC118 | 1204-002127 | IC-VIDEO PROCESS;MDIN-150,QFP,256P,28X28 | 1 | |
|4 | IC703 | 1204-002128 | IC-AUDIO PROCESSOR;MSP3410G-QA-C12,PQFP, | 1 | |
|4 | IC301 | 1205-002198 | IC-RECEIVER;SII169CT100,LQFP,100P,14X14M | 1 | |
|4 | R323 | 2007-000034 | R-CHIP;1OHM,5%,1/4W,TP,3216 | 1 | |
|4 | R324 | 2007-000034 | R-CHIP;1OHM,5%,1/4W,TP,3216 | 1 | |
|4 | R801 | 2007-000034 | R-CHIP;1OHM,5%,1/4W,TP,3216 | 1 | |
|4 | R1521 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R283 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R304 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R305 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R306 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R310 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R425 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R426 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R433 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R436 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R437 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R441 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R505 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R506 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R507 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R508 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R509 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R510 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R522 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R527 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |

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| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|----------|-------------|--------------------------------|------|--------|
|4 | R546 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R547 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R569 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R585 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R5890 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R599 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R631 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R638 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R701 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R703 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R704 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R706 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R707 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R708 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R762 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R768 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R769 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9208 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9210 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9211 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R925 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R926 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R930 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R931 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9501 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9502 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9503 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9504 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R980 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R203 | 2007-000071 | R-CHIP;22ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R204 | 2007-000071 | R-CHIP;22ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R442 | 2007-000071 | R-CHIP;22ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R867 | 2007-000071 | R-CHIP;22ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R869 | 2007-000071 | R-CHIP;22ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R872 | 2007-000071 | R-CHIP;22ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R409 | 2007-000072 | R-CHIP;47ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R586 | 2007-000072 | R-CHIP;47ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R587 | 2007-000072 | R-CHIP;47ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9187 | 2007-000072 | R-CHIP;47ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R114 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R115 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R116 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R117 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R118 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R119 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R133 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R134 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R187 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R188 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R189 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R196 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R197 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R198 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R231 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R411 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R412 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R423 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R443 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R444 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R447 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R448 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R532 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R556 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R557 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R559 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R562 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R722 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |

7 Electrical Parts List

[illegible]

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|----------|-------------|---------------------------------|------|--------|
|4 | R908 | 2007-000076 | R-CHIP;330ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9209 | 2007-000076 | R-CHIP;330ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R102 | 2007-000077 | R-CHIP;470ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R103 | 2007-000077 | R-CHIP;470ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R104 | 2007-000077 | R-CHIP;470ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R523 | 2007-000077 | R-CHIP;470ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R524 | 2007-000077 | R-CHIP;470ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R904 | 2007-000077 | R-CHIP;470ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R051 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R1505 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R1527 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R321 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R521 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R583 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R604 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R624 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R714 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R715 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R730 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R734 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R735 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R736 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R737 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R738 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R739 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R740 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R741 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R742 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R834 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R835 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R836 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R837 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R842 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R843 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R849 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R851 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R852 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R853 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R854 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R855 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R887 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R916 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R917 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R918 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R919 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9199 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R921 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9247 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9248 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9251 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R948 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R967 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R996 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R108 | 2007-000080 | R-CHIP;2Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R141 | 2007-000080 | R-CHIP;2Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R613 | 2007-000080 | R-CHIP;2Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R021 | 2007-000082 | R-CHIP;3.3Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R023 | 2007-000082 | R-CHIP;3.3Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R101 | 2007-000082 | R-CHIP;3.3Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R501 | 2007-000082 | R-CHIP;3.3Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R502 | 2007-000082 | R-CHIP;3.3Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R579 | 2007-000082 | R-CHIP;3.3Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R581 | 2007-000082 | R-CHIP;3.3Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R582 | 2007-000082 | R-CHIP;3.3Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R611 | 2007-000082 | R-CHIP;3.3Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R120 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R123 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|----------|-------------|---------------------------------|------|--------|
|4 | R1525 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R1526 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R263 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R264 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R266 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R267 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R282 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R308 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R322 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R427 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R428 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R429 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R439 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R503 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R511 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R512 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R513 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R516 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R517 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R518 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R534 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R542 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R543 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R544 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R545 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R553 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R594 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R595 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R622 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R724 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R725 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R728 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R856 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R857 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R886 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R902 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9181 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9213 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9214 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R922 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R923 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R924 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R929 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R937 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R942 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R985 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R998 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R999 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R938 | 2007-000088 | R-CHIP;7.5Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R165 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R185 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R186 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R193 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R194 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R195 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R199 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R232 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R5511 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R5512 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R554 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R555 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R597 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R598 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R623 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R626 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R628 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R629 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|----------|-------------|---------------------------------|------|--------|
|4 | R632 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R718 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R719 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R750 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R905 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R906 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9183 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9194 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9198 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9253 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9868 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R990 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R991 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R601 | 2007-000091 | R-CHIP;12Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R765 | 2007-000091 | R-CHIP;12Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R720 | 2007-000093 | R-CHIP;20Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R721 | 2007-000093 | R-CHIP;20Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R619 | 2007-000094 | R-CHIP;22Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R528 | 2007-000097 | R-CHIP;47Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R531 | 2007-000097 | R-CHIP;47Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R763 | 2007-000097 | R-CHIP;47Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R764 | 2007-000097 | R-CHIP;47Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R901 | 2007-000097 | R-CHIP;47Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R760 | 2007-000099 | R-CHIP;62Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R761 | 2007-000099 | R-CHIP;62Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R770 | 2007-000099 | R-CHIP;62Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R771 | 2007-000099 | R-CHIP;62Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R109 | 2007-000100 | R-CHIP;68Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R127 | 2007-000100 | R-CHIP;68Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R625 | 2007-000101 | R-CHIP;82Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R191 | 2007-000102 | R-CHIP;100Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R5510 | 2007-000102 | R-CHIP;100Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R605 | 2007-000102 | R-CHIP;100Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R612 | 2007-000102 | R-CHIP;100Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R615 | 2007-000102 | R-CHIP;100Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R617 | 2007-000102 | R-CHIP;100Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R627 | 2007-000102 | R-CHIP;100Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R753 | 2007-000102 | R-CHIP;100Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R702 | 2007-000103 | R-CHIP;120Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R705 | 2007-000103 | R-CHIP;120Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R832 | 2007-000106 | R-CHIP;220Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R833 | 2007-000106 | R-CHIP;220Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R110 | 2007-000107 | R-CHIP;470Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R129 | 2007-000107 | R-CHIP;470Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R445 | 2007-000113 | R-CHIP;33ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R318 | 2007-000118 | R-CHIP;390ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R316 | 2007-000120 | R-CHIP;680ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R012 | 2007-000121 | R-CHIP;820ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R533 | 2007-000124 | R-CHIP;2.2Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R603 | 2007-000125 | R-CHIP;3.9Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R607 | 2007-000125 | R-CHIP;3.9Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R907 | 2007-000125 | R-CHIP;3.9Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R618 | 2007-000127 | R-CHIP;9.1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R602 | 2007-000129 | R-CHIP;27Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R767 | 2007-000129 | R-CHIP;27Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R192 | 2007-000133 | R-CHIP;330Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9195 | 2007-000134 | R-CHIP;33Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R634 | 2007-000219 | R-CHIP;1.2Kohm,1%,1/10W,TP,1608 | 1 | |
|4 | R636 | 2007-000219 | R-CHIP;1.2Kohm,1%,1/10W,TP,1608 | 1 | |
|4 | R606 | 2007-000231 | R-CHIP;1.3Kohm,1%,1/10W,TP,1608 | 1 | |
|4 | R319 | 2007-000239 | R-CHIP;1.5Kohm,1%,1/10W,TP,1608 | 1 | |
|4 | R614 | 2007-000239 | R-CHIP;1.5Kohm,1%,1/10W,TP,1608 | 1 | |
|4 | R913 | 2007-000239 | R-CHIP;1.5Kohm,1%,1/10W,TP,1608 | 1 | |
|4 | R914 | 2007-000239 | R-CHIP;1.5Kohm,1%,1/10W,TP,1608 | 1 | |
|4 | R1507 | 2007-000287 | R-CHIP;100OHM,1%,1/10W,TP,1608 | 1 | |
|4 | R1510 | 2007-000287 | R-CHIP;100OHM,1%,1/10W,TP,1608 | 1 | |
|4 | R1513 | 2007-000287 | R-CHIP;100OHM,1%,1/10W,TP,1608 | 1 | |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|----------|-------------|---------------------------------|------|--------|
|4 | R1516 | 2007-000287 | R-CHIP;100OHM,1%,1/10W,TP,1608 | 1 | |
|4 | R1522 | 2007-000287 | R-CHIP;100OHM,1%,1/10W,TP,1608 | 1 | |
|4 | R1523 | 2007-000287 | R-CHIP;100OHM,1%,1/10W,TP,1608 | 1 | |
|4 | R1524 | 2007-000287 | R-CHIP;100OHM,1%,1/10W,TP,1608 | 1 | |
|4 | R122 | 2007-000293 | R-CHIP;100ohm,5%,1/4W,TP,3216 | 1 | |
|4 | R125 | 2007-000293 | R-CHIP;100ohm,5%,1/4W,TP,3216 | 1 | |
|4 | R136 | 2007-000293 | R-CHIP;100ohm,5%,1/4W,TP,3216 | 1 | |
|4 | R137 | 2007-000293 | R-CHIP;100ohm,5%,1/4W,TP,3216 | 1 | |
|4 | R147 | 2007-000293 | R-CHIP;100ohm,5%,1/4W,TP,3216 | 1 | |
|4 | R816 | 2007-000293 | R-CHIP;100ohm,5%,1/4W,TP,3216 | 1 | |
|4 | R817 | 2007-000293 | R-CHIP;100ohm,5%,1/4W,TP,3216 | 1 | |
|4 | R818 | 2007-000293 | R-CHIP;100ohm,5%,1/4W,TP,3216 | 1 | |
|4 | R9869 | 2007-000293 | R-CHIP;100ohm,5%,1/4W,TP,3216 | 1 | |
|4 | R9212 | 2007-000305 | R-CHIP;10Mohm,5%,1/10W,TP,1608 | 1 | |
|4 | R151 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R152 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R216 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R217 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R254 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R258 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R300 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R301 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R302 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R303 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R407 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R408 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R418 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R419 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R421 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R422 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R519 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R526 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R529 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R535 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R536 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R537 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R538 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R539 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R541 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R552 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R561 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R564 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R589 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R593 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R596 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R731 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R732 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9242 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9244 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9245 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9246 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R935 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R936 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R965 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R966 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R994 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R995 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R1519 | 2007-000402 | R-CHIP;150ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R711 | 2007-000458 | R-CHIP;18Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R563 | 2007-000608 | R-CHIP;240ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R621 | 2007-000701 | R-CHIP;3.6Kohm,1%,1/10W,TP,1608 | 1 | |
|4 | R9196 | 2007-000701 | R-CHIP;3.6Kohm,1%,1/10W,TP,1608 | 1 | |
|4 | R616 | 2007-000857 | R-CHIP;4.3Kohm,1%,1/10W,TP,1608 | 1 | |
|4 | R121 | 2007-000939 | R-CHIP;47Kohm,1%,1/10W,TP,1608 | 1 | |
|4 | R712 | 2007-000950 | R-CHIP;47ohm,5%,1/4W,TP,3216 | 1 | |
|4 | R713 | 2007-000950 | R-CHIP;47ohm,5%,1/4W,TP,3216 | 1 | |
|4 | R609 | 2007-001056 | R-CHIP;6.2Kohm,5%,1/10W,TP,1608 | 1 | |

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| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|----------|-------------|--|------|--------|
|4 | R548 | 2007-001164 | R-CHIP;75ohm,1%,1/10W,TP,1608 | 1 | |
|4 | R549 | 2007-001164 | R-CHIP;75ohm,1%,1/10W,TP,1608 | 1 | |
|4 | R551 | 2007-001164 | R-CHIP;75ohm,1%,1/10W,TP,1608 | 1 | |
|4 | R802 | 2007-001164 | R-CHIP;75ohm,1%,1/10W,TP,1608 | 1 | |
|4 | R814 | 2007-001164 | R-CHIP;75ohm,1%,1/10W,TP,1608 | 1 | |
|4 | R831 | 2007-001164 | R-CHIP;75ohm,1%,1/10W,TP,1608 | 1 | |
|4 | R838 | 2007-001164 | R-CHIP;75ohm,1%,1/10W,TP,1608 | 1 | |
|4 | R839 | 2007-001164 | R-CHIP;75ohm,1%,1/10W,TP,1608 | 1 | |
|4 | R841 | 2007-001164 | R-CHIP;75ohm,1%,1/10W,TP,1608 | 1 | |
|4 | R863 | 2007-001164 | R-CHIP;75ohm,1%,1/10W,TP,1608 | 1 | |
|4 | R9200 | 2007-001164 | R-CHIP;75ohm,1%,1/10W,TP,1608 | 1 | |
|4 | R9870 | 2007-001164 | R-CHIP;75ohm,1%,1/10W,TP,1608 | 1 | |
|4 | R9871 | 2007-001164 | R-CHIP;75ohm,1%,1/10W,TP,1608 | 1 | |
|4 | R9872 | 2007-001164 | R-CHIP;75ohm,1%,1/10W,TP,1608 | 1 | |
|4 | R105 | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R106 | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R107 | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R215 | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R223 | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R224 | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R225 | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R873 | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R874 | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R875 | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R928 | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R635 | 2007-008433 | R-CHIP;0.33OHM,1%,1W,DA,TP,6432 | 1 | |
|4 | R639 | 2007-008433 | R-CHIP;0.33OHM,1%,1W,DA,TP,6432 | 1 | |
|4 | R716 | 2007-008720 | R-CHIP;4.7ohm,1%,1/4W,TP,3216 | 1 | |
|4 | R717 | 2007-008720 | R-CHIP;4.7ohm,1%,1/4W,TP,3216 | 1 | |
|4 | RA201 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA202 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA203 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA204 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA211 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA308 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA309 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA310 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA311 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA313 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA314 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA402 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA403 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA404 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA405 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA406 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA407 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA408 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA409 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA412 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA416 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA417 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA419 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA523 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA101 | 2011-000585 | R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA102 | 2011-000585 | R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA103 | 2011-000585 | R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA104 | 2011-000585 | R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA106 | 2011-000585 | R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA107 | 2011-000585 | R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA503 | 2011-000585 | R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA504 | 2011-000585 | R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA505 | 2011-000585 | R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA506 | 2011-000585 | R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA507 | 2011-000585 | R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA508 | 2011-000585 | R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA509 | 2011-000585 | R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA524 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|----------|-------------|--|------|--------|
|4 | RA525 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA526 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA555 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA556 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA557 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA558 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA559 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA561 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA801 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA802 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA901 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA902 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA903 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA904 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA905 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA906 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA907 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA105 | 2011-001001 | R-NET;0OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA502 | 2011-001001 | R-NET;0OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA513 | 2011-001001 | R-NET;0OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA514 | 2011-001001 | R-NET;0OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA599 | 2011-001015 | R-NET;1Kohm,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA531 | 2011-001093 | R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA532 | 2011-001093 | R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | C491 | 2203-000041 | C-CER,CHIP;0.01NF,0.25PF,50V,C0G,TP,1608 | 1 | |
|4 | C492 | 2203-000041 | C-CER,CHIP;0.01NF,0.25PF,50V,C0G,TP,1608 | 1 | |
|4 | C205 | 2203-000140 | C-CER,CHIP;1.5nF,10%,50V,X7R,1608 | 1 | |
|4 | C209 | 2203-000140 | C-CER,CHIP;1.5nF,10%,50V,X7R,1608 | 1 | |
|4 | C223 | 2203-000140 | C-CER,CHIP;1.5nF,10%,50V,X7R,1608 | 1 | |
|4 | C229 | 2203-000140 | C-CER,CHIP;1.5nF,10%,50V,X7R,1608 | 1 | |
|4 | C743 | 2203-000140 | C-CER,CHIP;1.5nF,10%,50V,X7R,1608 | 1 | |
|4 | C763 | 2203-000140 | C-CER,CHIP;1.5nF,10%,50V,X7R,1608 | 1 | |
|4 | C034 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C035 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C036 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C037 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C038 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C039 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C041 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C042 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C043 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C044 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C045 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C046 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C047 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C048 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C049 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C051 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C052 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C053 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C054 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C055 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C056 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C057 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C058 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C1501 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C1502 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C1503 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C1504 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C1505 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C1506 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C1508 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C1509 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C1510 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C193 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C259 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C402 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |

7 Electrical Parts List

[illegible]

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|----------|-------------|---------------------------------------|------|--------|
|4 | C769 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C774 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C834 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C853 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C854 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C914 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C915 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C929 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C935 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C958 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C959 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C960 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C013 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C032 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C161 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C162 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C163 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C171 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C239 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C241 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C282 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C570 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C729 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C812 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C819 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C821 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C822 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C823 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C832 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C029 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C126 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C131 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C318 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C407 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C408 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C409 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C411 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C412 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C413 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C421 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C422 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C423 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C424 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C425 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C426 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C447 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C448 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C449 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C459 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C461 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C462 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C601 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C621 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C629 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C638 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C648 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C705 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C706 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C720 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C721 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C808 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C824 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C826 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C827 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C828 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C829 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C831 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|----------|-------------|--|------|--------|
|4 | C835 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C836 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C837 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C838 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C233 | 2203-000280 | C-CER,CHIP;0.01nF,0.5PF,50V,C0G,TP,1608 | 1 | |
|4 | C252 | 2203-000280 | C-CER,CHIP;0.01nF,0.5PF,50V,C0G,TP,1608 | 1 | |
|4 | C254 | 2203-000280 | C-CER,CHIP;0.01nF,0.5PF,50V,C0G,TP,1608 | 1 | |
|4 | C257 | 2203-000280 | C-CER,CHIP;0.01nF,0.5PF,50V,C0G,TP,1608 | 1 | |
|4 | C681 | 2203-000315 | C-CER,CHIP;0.12nF,5%,50V,C0G,TP,1608 | 1 | |
|4 | C685 | 2203-000315 | C-CER,CHIP;0.12nF,5%,50V,C0G,TP,1608 | 1 | |
|4 | C909 | 2203-000357 | C-CER,CHIP;0.15nF,5%,50V,C0G,1608 | 1 | |
|4 | C302 | 2203-000384 | C-CER,CHIP;0.015nF,5%,50V,C0G,1608 | 1 | |
|4 | C303 | 2203-000384 | C-CER,CHIP;0.015nF,5%,50V,C0G,1608 | 1 | |
|4 | C497 | 2203-000384 | C-CER,CHIP;0.015nF,5%,50V,C0G,1608 | 1 | |
|4 | C615 | 2203-000405 | C-CER,CHIP;0.18nF,5%,50V,C0G,1608 | 1 | |
|4 | C627 | 2203-000405 | C-CER,CHIP;0.18nF,5%,50V,C0G,1608 | 1 | |
|4 | C636 | 2203-000405 | C-CER,CHIP;0.18nF,5%,50V,C0G,1608 | 1 | |
|4 | C646 | 2203-000405 | C-CER,CHIP;0.18nF,5%,50V,C0G,1608 | 1 | |
|4 | C568 | 2203-000426 | C-CER,CHIP;0.018nF,5%,50V,C0G,TP,1608 | 1 | |
|4 | C569 | 2203-000426 | C-CER,CHIP;0.018nF,5%,50V,C0G,TP,1608 | 1 | |
|4 | C114 | 2203-000440 | C-CER,CHIP;1nF,10%,50V,X7R,1608 | 1 | |
|4 | C195 | 2203-000440 | C-CER,CHIP;1nF,10%,50V,X7R,1608 | 1 | |
|4 | C238 | 2203-000440 | C-CER,CHIP;1nF,10%,50V,X7R,1608 | 1 | |
|4 | C261 | 2203-000440 | C-CER,CHIP;1nF,10%,50V,X7R,1608 | 1 | |
|4 | C504 | 2203-000440 | C-CER,CHIP;1nF,10%,50V,X7R,1608 | 1 | |
|4 | C506 | 2203-000440 | C-CER,CHIP;1nF,10%,50V,X7R,1608 | 1 | |
|4 | C508 | 2203-000440 | C-CER,CHIP;1nF,10%,50V,X7R,1608 | 1 | |
|4 | C583 | 2203-000440 | C-CER,CHIP;1nF,10%,50V,X7R,1608 | 1 | |
|4 | C736 | 2203-000440 | C-CER,CHIP;1nF,10%,50V,X7R,1608 | 1 | |
|4 | C737 | 2203-000440 | C-CER,CHIP;1nF,10%,50V,X7R,1608 | 1 | |
|4 | C9728 | 2203-000440 | C-CER,CHIP;1nF,10%,50V,X7R,1608 | 1 | |
|4 | C919 | 2203-000552 | C-CER,CHIP;0.02nF,5%,50V,C0G,TP,1608 | 1 | |
|4 | C921 | 2203-000552 | C-CER,CHIP;0.02nF,5%,50V,C0G,TP,1608 | 1 | |
|4 | C927 | 2203-000552 | C-CER,CHIP;0.02nF,5%,50V,C0G,TP,1608 | 1 | |
|4 | C931 | 2203-000552 | C-CER,CHIP;0.02nF,5%,50V,C0G,TP,1608 | 1 | |
|4 | C933 | 2203-000552 | C-CER,CHIP;0.02nF,5%,50V,C0G,TP,1608 | 1 | |
|4 | C936 | 2203-000552 | C-CER,CHIP;0.02nF,5%,50V,C0G,TP,1608 | 1 | |
|4 | C594 | 2203-000626 | C-CER,CHIP;0.022nF,5%,50V,C0G,1608 | 1 | |
|4 | C617 | 2203-000715 | C-CER,CHIP;3.3nF,10%,50V,X7R,TP,1608,- | 1 | |
|4 | C628 | 2203-000715 | C-CER,CHIP;3.3nF,10%,50V,X7R,TP,1608,- | 1 | |
|4 | C637 | 2203-000715 | C-CER,CHIP;3.3nF,10%,50V,X7R,TP,1608,- | 1 | |
|4 | C647 | 2203-000715 | C-CER,CHIP;3.3nF,10%,50V,X7R,TP,1608,- | 1 | |
|4 | C214 | 2203-000783 | C-CER,CHIP;0.33nF,5%,50V,C0G,1608 | 1 | |
|4 | C173 | 2203-000815 | C-CER,CHIP;0.033nF,5%,50V,C0G,1608 | 1 | |
|4 | C589 | 2203-000815 | C-CER,CHIP;0.033nF,5%,50V,C0G,1608 | 1 | |
|4 | C801 | 2203-000815 | C-CER,CHIP;0.033nF,5%,50V,C0G,1608 | 1 | |
|4 | C802 | 2203-000815 | C-CER,CHIP;0.033nF,5%,50V,C0G,1608 | 1 | |
|4 | C807 | 2203-000815 | C-CER,CHIP;0.033nF,5%,50V,C0G,1608 | 1 | |
|4 | C809 | 2203-000815 | C-CER,CHIP;0.033nF,5%,50V,C0G,1608 | 1 | |
|4 | C811 | 2203-000815 | C-CER,CHIP;0.033nF,5%,50V,C0G,1608 | 1 | |
|4 | C818 | 2203-000815 | C-CER,CHIP;0.033nF,5%,50V,C0G,1608 | 1 | |
|4 | C111 | 2203-000838 | C-CER,CHIP;0.39nF,5%,50V,C0G,TP,1608 | 1 | |
|4 | C262 | 2203-000838 | C-CER,CHIP;0.39nF,5%,50V,C0G,TP,1608 | 1 | |
|4 | C112 | 2203-000843 | C-CER,CHIP;39nF,10%,25V,X7R,TP,1608,- | 1 | |
|4 | C767 | 2203-000872 | C-CER,CHIP;0.003nF,0.25PF,50V,C0G,TP,160 | 1 | |
|4 | C768 | 2203-000872 | C-CER,CHIP;0.003nF,0.25PF,50V,C0G,TP,160 | 1 | |
|4 | C016 | 2203-000888 | C-CER,CHIP;4.7nF,10%,50V,X7R,TP,1608 | 1 | |
|4 | C031 | 2203-000888 | C-CER,CHIP;4.7nF,10%,50V,X7R,TP,1608 | 1 | |
|4 | C574 | 2203-000888 | C-CER,CHIP;4.7nF,10%,50V,X7R,TP,1608 | 1 | |
|4 | C740 | 2203-000888 | C-CER,CHIP;4.7nF,10%,50V,X7R,TP,1608 | 1 | |
|4 | C741 | 2203-000888 | C-CER,CHIP;4.7nF,10%,50V,X7R,TP,1608 | 1 | |
|4 | C215 | 2203-000903 | C-CER,CHIP;0.0047nF,0.25pF,50V,C0G,1608 | 1 | |
|4 | C216 | 2203-000903 | C-CER,CHIP;0.0047nF,0.25pF,50V,C0G,1608 | 1 | |
|4 | C206 | 2203-000972 | C-CER,CHIP;47nF,10%,16V,X7R,TP,1608 | 1 | |
|4 | C208 | 2203-000972 | C-CER,CHIP;47nF,10%,16V,X7R,TP,1608 | 1 | |
|4 | C219 | 2203-000972 | C-CER,CHIP;47nF,10%,16V,X7R,TP,1608 | 1 | |
|4 | C236 | 2203-000972 | C-CER,CHIP;47nF,10%,16V,X7R,TP,1608 | 1 | |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|----------|-------------|--|------|--------|
|4 | C761 | 2203-000972 | C-CER,CHIP;47nF,10%,16V,X7R,TP,1608 | 1 | |
|4 | C1512 | 2203-000998 | C-CER,CHIP;0.047nF,5%,50V,C0G,1608 | 1 | |
|4 | C211 | 2203-000998 | C-CER,CHIP;0.047nF,5%,50V,C0G,1608 | 1 | |
|4 | C212 | 2203-000998 | C-CER,CHIP;0.047nF,5%,50V,C0G,1608 | 1 | |
|4 | C213 | 2203-000998 | C-CER,CHIP;0.047nF,5%,50V,C0G,1608 | 1 | |
|4 | C427 | 2203-000998 | C-CER,CHIP;0.047nF,5%,50V,C0G,1608 | 1 | |
|4 | C428 | 2203-000998 | C-CER,CHIP;0.047nF,5%,50V,C0G,1608 | 1 | |
|4 | C429 | 2203-000998 | C-CER,CHIP;0.047nF,5%,50V,C0G,1608 | 1 | |
|4 | C431 | 2203-000998 | C-CER,CHIP;0.047nF,5%,50V,C0G,1608 | 1 | |
|4 | C857 | 2203-000998 | C-CER,CHIP;0.047nF,5%,50V,C0G,1608 | 1 | |
|4 | C858 | 2203-000998 | C-CER,CHIP;0.047nF,5%,50V,C0G,1608 | 1 | |
|4 | C759 | 2203-001071 | C-CER,CHIP;0.056NF,5%,50V,C0G,TP,1608 | 1 | |
|4 | C765 | 2203-001071 | C-CER,CHIP;0.056NF,5%,50V,C0G,TP,1608 | 1 | |
|4 | C766 | 2203-001071 | C-CER,CHIP;0.056NF,5%,50V,C0G,TP,1608 | 1 | |
|4 | C843 | 2203-001071 | C-CER,CHIP;0.056NF,5%,50V,C0G,TP,1608 | 1 | |
|4 | C202 | 2203-001140 | C-CER,CHIP;68nF,10%,16V,X7R,1608 | 1 | |
|4 | C203 | 2203-001140 | C-CER,CHIP;68nF,10%,16V,X7R,1608 | 1 | |
|4 | C207 | 2203-001140 | C-CER,CHIP;68nF,10%,16V,X7R,1608 | 1 | |
|4 | C495 | 2203-001222 | C-CER,CHIP;0.82NF,10%,50V,X7R,TP,1608 | 1 | |
|4 | C496 | 2203-001222 | C-CER,CHIP;0.82NF,10%,50V,X7R,TP,1608 | 1 | |
|4 | C224 | 2203-001242 | C-CER,CHIP;0.082nF,5%,50V,NP0,1608 | 1 | |
|4 | C226 | 2203-001242 | C-CER,CHIP;0.082nF,5%,50V,NP0,1608 | 1 | |
|4 | C227 | 2203-001242 | C-CER,CHIP;0.082nF,5%,50V,NP0,1608 | 1 | |
|4 | C225 | 2203-001402 | C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608 | 1 | |
|4 | C232 | 2203-001402 | C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608 | 1 | |
|4 | C246 | 2203-001402 | C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608 | 1 | |
|4 | C248 | 2203-001402 | C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608 | 1 | |
|4 | C251 | 2203-001402 | C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608 | 1 | |
|4 | C263 | 2203-001402 | C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608 | 1 | |
|4 | C718 | 2203-001607 | C-CER,CHIP;0.22nF,5%,50V,NP0,-,1608 | 1 | |
|4 | C732 | 2203-001630 | C-CER,CHIP;330nF,+80-20%,16V,Y5V,TP,1608 | 1 | |
|4 | C733 | 2203-001630 | C-CER,CHIP;330nF,+80-20%,16V,Y5V,TP,1608 | 1 | |
|4 | C932 | 2203-001630 | C-CER,CHIP;330nF,+80-20%,16V,Y5V,TP,1608 | 1 | |
|4 | C139 | 2203-001652 | C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608 | 1 | |
|4 | C145 | 2203-001652 | C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608 | 1 | |
|4 | C148 | 2203-001652 | C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608 | 1 | |
|4 | C157 | 2203-001652 | C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608 | 1 | |
|4 | C158 | 2203-001652 | C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608 | 1 | |
|4 | C159 | 2203-001652 | C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608 | 1 | |
|4 | C775 | 2203-001652 | C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608 | 1 | |
|4 | C776 | 2203-001652 | C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608 | 1 | |
|4 | C128 | 2203-001656 | C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608 | 1 | |
|4 | C138 | 2203-001656 | C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608 | 1 | |
|4 | C222 | 2203-001656 | C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608 | 1 | |
|4 | C228 | 2203-001656 | C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608 | 1 | |
|4 | C744 | 2203-001656 | C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608 | 1 | |
|4 | C762 | 2203-001656 | C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608 | 1 | |
|4 | C014 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C101 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C102 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C103 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C104 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C105 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C106 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C107 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C108 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C109 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C113 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C115 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C117 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C118 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C119 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C120 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C122 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C124 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C143 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C160 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |

7 Electrical Parts List

[illegible]

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|----------|-------------|--|------|--------|
|4 | C559 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C561 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C562 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C564 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C565 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C566 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C571 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C576 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C579 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C580 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C582 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C588 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C590 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C596 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C608 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C624 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C633 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C642 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C653 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C693 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C695 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C696 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C697 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C747 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C773 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C839 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C841 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C842 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C846 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C901 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C903 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C905 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C906 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C911 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C912 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C916 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C918 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C925 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C9501 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C956 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C957 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C961 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C127 | 2203-005065 | C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608 | 1 | |
|4 | C130 | 2203-005065 | C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608 | 1 | |
|4 | C738 | 2203-005065 | C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608 | 1 | |
|4 | C739 | 2203-005065 | C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608 | 1 | |
|4 | C833 | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,- | 1 | |
|4 | C231 | 2203-006036 | C-CER,CHIP;680NF,+80-20%,16V,Y5V,TP,1608 | 1 | |
|4 | C234 | 2203-006036 | C-CER,CHIP;680NF,+80-20%,16V,Y5V,TP,1608 | 1 | |
|4 | C247 | 2203-006036 | C-CER,CHIP;680NF,+80-20%,16V,Y5V,TP,1608 | 1 | |
|4 | C191 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C563 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C575 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C577 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C578 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C581 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C619 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C716 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C726 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C770 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C772 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C942 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C946 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C949 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C950 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C951 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C952 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|----------|-------------|--|------|--------|
|4 | C953 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C954 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C175 | 2402-000135 | C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4 | 1 | |
|4 | C572 | 2402-000135 | C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4 | 1 | |
|4 | C764 | 2402-000135 | C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4 | 1 | |
|4 | C849 | 2402-000135 | C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4 | 1 | |
|4 | C926 | 2402-000135 | C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4 | 1 | |
|4 | C5510 | 2402-000170 | C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4, | 1 | |
|4 | C658 | 2402-000170 | C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4, | 1 | |
|4 | C659 | 2402-000170 | C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4, | 1 | |
|4 | C707 | 2402-000170 | C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4, | 1 | |
|4 | C708 | 2402-000170 | C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4, | 1 | |
|4 | C709 | 2402-000170 | C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4, | 1 | |
|4 | C710 | 2402-000170 | C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4, | 1 | |
|4 | C711 | 2402-000170 | C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4, | 1 | |
|4 | C714 | 2402-000170 | C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4, | 1 | |
|4 | C719 | 2402-000170 | C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4, | 1 | |
|4 | C944 | 2402-000170 | C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4, | 1 | |
|4 | C021 | 2402-000173 | C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C748 | 2402-000173 | C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C749 | 2402-000173 | C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C750 | 2402-000173 | C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C751 | 2402-000173 | C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C752 | 2402-000173 | C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C753 | 2402-000173 | C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C754 | 2402-000173 | C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C755 | 2402-000173 | C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C756 | 2402-000173 | C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C123 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C140 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C141 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C142 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C1522 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C1523 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C154 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C155 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C156 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C179 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C273 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C276 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C277 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C279 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C301 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C316 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C317 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C401 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C414 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C438 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C654 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C745 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C746 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C757 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C791 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C792 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C793 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C794 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C908 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C928 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C934 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C955 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C964 | 2402-000176 | C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4 | 1 | |
|4 | C125 | 2402-000179 | C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4 | 1 | |
|4 | C129 | 2402-000179 | C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4 | 1 | |
|4 | C760 | 2402-000179 | C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4 | 1 | |
|4 | C902 | 2402-000179 | C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4 | 1 | |
|4 | C917 | 2402-000179 | C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4 | 1 | |
|4 | C463 | 2402-000209 | C-AL,SMD;22uF,20%,16V,WT,TP,5.3x5.3mm,1 | 1 | |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|----------|-------------|--|------|--------|
|4 | C477 | 2402-000209 | C-AL,SMD;22uF,20%,16V,WT,TP,5.3x5.3mm,1 | 1 | |
|4 | C484 | 2402-000209 | C-AL,SMD;22uF,20%,16V,WT,TP,5.3x5.3mm,1 | 1 | |
|4 | C523 | 2402-000209 | C-AL,SMD;22uF,20%,16V,WT,TP,5.3x5.3mm,1 | 1 | |
|4 | C524 | 2402-000209 | C-AL,SMD;22uF,20%,16V,WT,TP,5.3x5.3mm,1 | 1 | |
|4 | C525 | 2402-000209 | C-AL,SMD;22uF,20%,16V,WT,TP,5.3x5.3mm,1 | 1 | |
|4 | C526 | 2402-000209 | C-AL,SMD;22uF,20%,16V,WT,TP,5.3x5.3mm,1 | 1 | |
|4 | C527 | 2402-000209 | C-AL,SMD;22uF,20%,16V,WT,TP,5.3x5.3mm,1 | 1 | |
|4 | C528 | 2402-000209 | C-AL,SMD;22uF,20%,16V,WT,TP,5.3x5.3mm,1 | 1 | |
|4 | C548 | 2402-000209 | C-AL,SMD;22uF,20%,16V,WT,TP,5.3x5.3mm,1 | 1 | |
|4 | C549 | 2402-000209 | C-AL,SMD;22uF,20%,16V,WT,TP,5.3x5.3mm,1 | 1 | |
|4 | C587 | 2402-000209 | C-AL,SMD;22uF,20%,16V,WT,TP,5.3x5.3mm,1 | 1 | |
|4 | C012 | 2402-001042 | C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4 | 1 | |
|4 | C015 | 2402-001042 | C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4 | 1 | |
|4 | C033 | 2402-001042 | C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4 | 1 | |
|4 | C1520 | 2402-001042 | C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4 | 1 | |
|4 | C1521 | 2402-001042 | C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4 | 1 | |
|4 | C192 | 2402-001042 | C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4 | 1 | |
|4 | C201 | 2402-001042 | C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4 | 1 | |
|4 | C218 | 2402-001042 | C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4 | 1 | |
|4 | C258 | 2402-001042 | C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4 | 1 | |
|4 | C271 | 2402-001042 | C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4 | 1 | |
|4 | C330 | 2402-001042 | C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4 | 1 | |
|4 | C332 | 2402-001042 | C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4 | 1 | |
|4 | C451 | 2402-001042 | C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4 | 1 | |
|4 | C453 | 2402-001042 | C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4 | 1 | |
|4 | C664 | 2402-001042 | C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4 | 1 | |
|4 | C727 | 2402-001042 | C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4 | 1 | |
|4 | C728 | 2402-001042 | C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4 | 1 | |
|4 | C742 | 2402-001042 | C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4 | 1 | |
|4 | C904 | 2402-001042 | C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4 | 1 | |
|4 | C913 | 2402-001042 | C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4 | 1 | |
|4 | C947 | 2402-001042 | C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4 | 1 | |
|4 | C717 | 2402-001059 | C-AL,SMD;220UF,20%,6.3V,-,TP,6X6.6X6.6 | 1 | |
|4 | C845 | 2402-001070 | C-AL,SMD;470uF,20%,16V,GP,TP,10x10.2,- | 1 | |
|4 | C612 | 2402-001079 | C-AL,SMD;100UF,20%,35V,WT,TP,10X10X10MM | 1 | |
|4 | C605 | 2402-001081 | C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10 | 1 | |
|4 | C606 | 2402-001081 | C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10 | 1 | |
|4 | C622 | 2402-001081 | C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10 | 1 | |
|4 | C631 | 2402-001081 | C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10 | 1 | |
|4 | C639 | 2402-001081 | C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10 | 1 | |
|4 | C651 | 2402-001081 | C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10 | 1 | |
|4 | C656 | 2402-001081 | C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10 | 1 | |
|4 | C682 | 2402-001081 | C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10 | 1 | |
|4 | C686 | 2402-001081 | C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10 | 1 | |
|4 | C859 | 2402-001081 | C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10 | 1 | |
|4 | C861 | 2402-001081 | C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10 | 1 | |
|4 | C022 | 2402-001128 | C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM | 1 | |
|4 | C023 | 2402-001128 | C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM | 1 | |
|4 | C435 | 2402-001128 | C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM | 1 | |
|4 | C437 | 2402-001128 | C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM | 1 | |
|4 | C503 | 2402-001128 | C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM | 1 | |
|4 | C505 | 2402-001128 | C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM | 1 | |
|4 | C507 | 2402-001128 | C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM | 1 | |
|4 | C643 | 2402-001128 | C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM | 1 | |
|4 | C734 | 2402-001128 | C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM | 1 | |
|4 | C735 | 2402-001128 | C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM | 1 | |
|4 | C613 | 2402-001145 | C-AL,CHIP;47UF,20%,50V,GP,TP,6.3X7.7MM | 1 | |
|4 | C614 | 2402-001145 | C-AL,CHIP;47UF,20%,50V,GP,TP,6.3X7.7MM | 1 | |
|4 | C852 | 2402-001145 | C-AL,CHIP;47UF,20%,50V,GP,TP,6.3X7.7MM | 1 | |
|4 | C221 | 2402-001150 | C-AL,SMD;47UF,20%,16V,-,TP,6.3X5.8MM | 1 | |
|4 | C235 | 2402-001150 | C-AL,SMD;47UF,20%,16V,-,TP,6.3X5.8MM | 1 | |
|4 | C731 | 2402-001150 | C-AL,SMD;47UF,20%,16V,-,TP,6.3X5.8MM | 1 | |
|4 | C943 | 2402-001150 | C-AL,SMD;47UF,20%,16V,-,TP,6.3X5.8MM | 1 | |
|4 | C556 | 2402-001165 | C-AL,SMD;4.7UF,20%,35V,WT,TP,4X5.8MM | 1 | |
|4 | C558 | 2402-001165 | C-AL,SMD;4.7UF,20%,35V,WT,TP,4X5.8MM | 1 | |
|4 | C560 | 2402-001165 | C-AL,SMD;4.7UF,20%,35V,WT,TP,4X5.8MM | 1 | |
|4 | C652 | 2402-001204 | C-POLYMER AL CHIP;82UF,20%,16V,-,TP,8.3X | 1 | |

7 Electrical Parts List

[illegible]

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7 Electrical Parts List

| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|-----------|-------------|--|------|--------|
| 0.1 | M0019 | BN92-01044B | ASSY LABEL;VA22SO | 1 | S.N.A |
| ..2 | LABEL | BN64-00271A | INLAY-00,REAR,RATING;ALL,PC EMBO,T0.178, | 1 | S.N.A |
| 0.1 | M0003 | BN92-01212Y | ASSY BOX;VA22SO* | 1 | S.N.A |
| 0.1 | M0045 | BN92-01249T | ASSY ACCESSORY;LA22N21BX/SMA | 1 | S.N.A |
| ..2 | T0074 | BN59-00412A | REMOCON;TM76A,VICTORIA,54,G6148,PAL,NT,P | 1 | |
| ...3 | T0119 | AA09-00371A | IC MICOM;SZTM-839C R-52MX,28PIN,16KBYTE, | 1 | |
| ...3 | T0122 | 2802-000194 | RESONATOR-CERAMIC;8MHz,1.0%,TP,8.5x4.5x5 | 1 | |
| ..2 | M0045 | BN96-00467G | ASSY ACCESSORY;LW15M13CX/XEU | 1 | |
| ...3 | T0268 | 3903-000067 | CBF-POWER CORD;DT,GB,GP3/YES(A),I(IEC C1 | 1 | |
| ...3 | T0524 | 6902-000110 | BAG PE;LDPE,T0.05,L356,W240,TRP,28,2,PE | 1 | S.N.A |
| ..2 | M0045 | BN96-01719M | ASSY ACCESSORY;LA22N21BX/SMA | 1 | |
| ...3 | T0524 | 6902-000110 | BAG PE;LDPE,T0.05,L356,W240,TRP,28,2,PE | 1 | S.N.A |
| ...3 | CIS3 | BN68-00515K | MANUAL INSTALL;Card,InstallingStand,SAMS | 1 | |
| ...3 | M0156 | BN68-00755A | MANUAL USERS-01;LA22N21B,SAMSUNG,E,ASIA | 1 | S.N.A |
| ...3 | ACCESSORY | AA68-03242G | MANUAL-SAFETY GUIDE;All Model,SAMSUNG,En | 1 | S.N.A |

7 Electrical Parts List

7-2 LA22N21BX/XSA

| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|----------|---------------|--|------|--------|
| 0 | | LA22N21BX/XSA | LA22N21B,VA22S,22,LCD-TV,AUSTRALIA | 0 | |
| 0.1 | M0216 | BN90-00486L | ASSY STAND;VR22UO | 1 | S.N.A |
| ..2 | M0142 | BN96-00751A | ASSY MISC P-STAND;VR22UO | 1 | |
| ...3 | CCM1 | 6001-000139 | SCREW-MACHINE;BH,+,M4,L10,ZPC(YEL),SWRCH | 2 | S.N.A |
| ...3 | M0081 | 6003-001010 | SCREW-TAPTITE;FH,+,B,M3,L6,ZPC(YEL),SWRC | 7 | S.N.A |
| ...3 | STD | BN61-00680A | BRACKET-STAND DIE;LT22N2,ZN-2,DIECASTING | 1 | S.N.A |
| ...3 | STD | BN61-00730A | HINGE-STAND;VIC22,DIECASTING | 1 | S.N.A |
| ...3 | STD | BN61-00731A | HINGE-BODY;VIC22,DIECASTING | 1 | S.N.A |
| ...3 | STD | BN63-00915A | COVER-STAND REAR;LT22N2,ABS HB,URETHANE | 1 | S.N.A |
| ...3 | M0126 | BN73-60002A | RUBBER-FOOT;CY15PO,SPONGE,-,-,-,BL,-,-,- | 5 | S.N.A |
| 0.1 | M0001 | BN90-00677T | ASSY COVER FRONT;VA22SO,SINGAPORE | 1 | S.N.A |
| ..2 | M0081 | 6003-001003 | SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR | 2 | S.N.A |
| ..2 | T0003 | BN96-00750J | ASSY COVER P-FRONT;VR22SO,ABS VO,SVM-116 | 1 | |
| ...3 | M0081 | 6003-000117 | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(YEL),SWRC | 4 | |
| ...3 | M0081 | 6003-000259 | SCREW-TAPTITE;BH,+,B,M3,L8,ZPC(YEL),SWRC | 2 | S.N.A |
| ...3 | M0081 | 6003-000276 | SCREW-TAPTITE;BH,+,B,M3,L10,ZPC(YEL),SWC | 28 | S.N.A |
| ...3 | M0115 | BN61-00398A | BRACKET-STAND;VR17KO,SECC,T1.0,,, | 2 | S.N.A |
| ...3 | C/F | BN61-00400A | STAND-SPRING;VR17KO,SUS,T0.5,,, | 2 | S.N.A |
| ...3 | C/F | BN61-00682A | BRACKET-PANEL L;LT22N2,SECC,T1.0 | 1 | S.N.A |
| ...3 | C/F | BN61-00683A | BRACKET-PANEL R;LT22N2,SECC,T1.0 | 1 | S.N.A |
| ...3 | M0112 | BN63-00631A | COVER-FRONT;LT22N2,ABS HB,URETHANE | 1 | S.N.A |
| ...3 | C/F | BN63-00911A | COVER-FRONT BEZEL;LT22N2,ABS HB,URETHANE | 1 | S.N.A |
| ...3 | M0007 | BN64-00155A | KNOB-FUNCTION;VR17KO,ABS HB,,, | 1 | S.N.A |
| ...3 | T0057 | BN64-00207A | BADGE-BRAND;POSEIDON,AL,T1.5,8.5,50,BLK, | 1 | S.N.A |
| ...3 | C/F | BN67-00083A | LENS LED-IR;VR17KO,ABS,CLEAR,,,,ACRYL | 1 | S.N.A |
| ...3 | T0175 | BN96-00714A | ASSY SPEAKER P;16ohm,Victoria22",Left,5W | 1 | |
| ...3 | T0175 | BN96-00716A | ASSY SPEAKER P;16ohm,Victoria22",Right,5 | 1 | |
| ...3 | T0714 | BN96-00950A | ASSY BOARD P-IR;VICTORIA,IR | 1 | S.N.A |
| ...3 | M0145 | BN96-00962A | ASSY BOARD P-FUNCTION;VICTORIA,FUNCTION | 1 | S.N.A |
| 0.1 | M0002 | BN90-00678E | ASSY COVER REAR;VA22SO,SINGAPORE | 1 | S.N.A |
| ..2 | M0175 | BN63-00913A | COVER-DOOR JACK;LT22N2,ABS HB,SILVER(SVM | 1 | |
| ..2 | M0013 | BN96-00749G | ASSY COVER P-REAR;VR22SO,ABS VO,GR70,SVM | 1 | |
| ...3 | M0006 | BN63-00912A | COVER-REAR;LT22N2,ABS HB,URETHANE | 1 | S.N.A |
| ...3 | C/R | BN64-00175J | INLAY-REAR;VR22SO,PC,T0.178,124*29, EMBO | 1 | S.N.A |
| ...3 | C/R | BN73-00093A | RUBBER-EPDM;ROME 40,RUBBER,10*30,NTR | 1 | S.N.A |
| 0.1 | | BN91-00567M | ASSY LCD-S6;PD22,S6 | 1 | S.N.A |
| ..2 | M0019 | BN07-00114A | LCD;LTA220W1-L01,ES17AS,1280*720,525.6*3 | 1 | |
| 0.1 | M0112 | BN91-00763A | ASSY SHIELD;VR22UO | 1 | S.N.A |
| ..2 | M0081 | 6003-000117 | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(YEL),SWRC | 5 | |
| ..2 | M0081 | 6003-000117 | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(YEL),SWRC | 1 | |
| ..2 | M0081 | 6003-000117 | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(YEL),SWRC | 4 | |
| ..2 | M0081 | 6003-000117 | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(YEL),SWRC | 4 | |
| ..2 | M0081 | 6003-000117 | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(YEL),SWRC | 2 | |
| ..2 | M0081 | 6003-000276 | SCREW-TAPTITE;BH,+,B,M3,L10,ZPC(YEL),SWC | 9 | S.N.A |
| ..2 | M0158 | BN44-00109A | ADAPTOR;AD-12014(I),VR22KO,90 to 265 Vac | 1 | |
| ..2 | CIS | BN63-00917A | SHIELD-SUB PCB;LT22N2,SECC,T0.5 | 1 | S.N.A |
| ..2 | M0215 | BN96-00865A | ASSY MISC P-SHIELD PANEL;VR22**,SECC T1. | 1 | S.N.A |
| ...3 | CIS | BN61-00681A | BRACKET-PCB BRM;LT22N2,SECC,T1.0 | 1 | S.N.A |
| ...3 | M0131 | BN63-00735A | GASKET;GH15PS,Conductive Fabric,4mm,30mm | 1 | S.N.A |
| ..2 | M2893 | BN39-00481A | LEAD CONNECTOR;VICTORIA,UL2835#28,UL/CSA | 1 | |
| ..2 | M0130 | BN96-00963A | ASSY BOARD P-AV/JACK;VICTORIA,AV/JACK | 1 | S.N.A |
| ..2 | CIS | BN73-00024C | SILICON/RUBBER-BERGQUIST;VENUS 32,40",SI | 3 | S.N.A |
| 0.1 | M0017 | BN91-00814E | ASSY CHASSIS-S6;VA22SO | 1 | S.N.A |
| ..2 | M0108 | BN63-00918A | SHIELD-D SUB;LT22N2,SPTT,T0.5 | 1 | S.N.A |
| ..2 | M0014 | BN94-00595Y | ASSY PCB MAIN-S6;VA22SO | 1 | |
| ...3 | T0245 | 0202-001366 | SOLDER-WIRE FLUX;-RS60S,D1.2,63Sn/37Pb, | 0.25 | S.N.A |
| ...3 | C701 | 2305-000196 | C-FILM,LEAD-PEF;150nF,5%,63V,TP,-,5mm | 1 | |
| ...3 | C704 | 2305-000196 | C-FILM,LEAD-PEF;150nF,5%,63V,TP,-,5mm | 1 | |
| ...3 | C724 | 2305-000196 | C-FILM,LEAD-PEF;150nF,5%,63V,TP,-,5mm | 1 | |
| ...3 | C725 | 2305-000196 | C-FILM,LEAD-PEF;150nF,5%,63V,TP,-,5mm | 1 | |
| ...3 | C602 | 2401-000038 | C-AL;470uF,20%,25V,GP,TP,10x12.5mm, | 1 | |
| ...3 | CN809 | 3701-001221 | CONNECTOR-DSUB;24P+5C,3R,FEMALE,ANGLE,AU | 1 | |
| ...3 | CN906 | 3711-004712 | CONNECTOR-HEADER;BOX,9P,1R,2mm,STRAIGHT, | 1 | |
| ...3 | CN801 | 3722-001810 | JACK-PIN;6P(6P),8.3MM,NI,GN/BL/RD/GN/BL/ | 1 | |
| ...3 | CN802 | 3722-001988 | JACK-PIN;4P(4C),NI,WHT/RED X2,ANGLE | 1 | |
| ...3 | CIS3 | BN40-00045A | TUNER;TMQZ6-408A,PAL-CS,PAL Hyper,38.9MH | 1 | |
| ...3 | T0174 | BN97-00420T | ASSY SMD;VA22SO | 1 | S.N.A |
| ...4 | D102 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
| ...4 | D103 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
| ...4 | D104 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|----------|-------------|--|------|--------|
|4 | D105 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D106 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D107 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D301 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D502 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D510 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D511 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D702 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D849 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D867 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D868 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D869 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D871 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D872 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D873 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D874 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D875 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D876 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D877 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D878 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D901 | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO | 1 | |
|4 | D601 | 0402-000553 | DIODE-RECTIFIER;SS24,40V,2.0A,DO-214AA | 1 | |
|4 | D602 | 0402-000553 | DIODE-RECTIFIER;SS24,40V,2.0A,DO-214AA | 1 | |
|4 | D603 | 0402-000553 | DIODE-RECTIFIER;SS24,40V,2.0A,DO-214AA | 1 | |
|4 | D604 | 0402-000553 | DIODE-RECTIFIER;SS24,40V,2.0A,DO-214AA | 1 | |
|4 | D605 | 0402-000553 | DIODE-RECTIFIER;SS24,40V,2.0A,DO-214AA | 1 | |
|4 | D606 | 0402-000553 | DIODE-RECTIFIER;SS24,40V,2.0A,DO-214AA | 1 | |
|4 | D882 | 0403-000314 | DIODE-ZENER;RLZJ9.1B,8.8-9.3V,500MW,LL-3 | 1 | |
|4 | D884 | 0403-000314 | DIODE-ZENER;RLZJ9.1B,8.8-9.3V,500MW,LL-3 | 1 | |
|4 | D300 | 0403-000579 | DIODE-ZENER;BZX84C5V1,4.8-5.4V,200MW,SOT | 1 | |
|4 | D501 | 0403-000579 | DIODE-ZENER;BZX84C5V1,4.8-5.4V,200MW,SOT | 1 | |
|4 | D906 | 0403-000579 | DIODE-ZENER;BZX84C5V1,4.8-5.4V,200MW,SOT | 1 | |
|4 | D907 | 0403-000579 | DIODE-ZENER;BZX84C5V1,4.8-5.4V,200MW,SOT | 1 | |
|4 | D504 | 0403-000620 | DIODE-ZENER;RLZ5.6B,5.45-5.73V,500MW,LL- | 1 | |
|4 | D703 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D704 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D706 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D707 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D801 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D803 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D805 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D806 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D808 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D811 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D813 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D814 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D815 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D816 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D817 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D822 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D824 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D826 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D827 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D836 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D837 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D838 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D839 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D841 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D842 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D843 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D844 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D845 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D846 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D847 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D848 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D851 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D852 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D853 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D854 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D855 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D856 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D857 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D858 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D859 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D861 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D862 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |

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| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|----------|-------------|---|------|--------|
|4 | D863 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D864 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D865 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D866 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D911 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D912 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D913 | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2 | 1 | |
|4 | D705 | 0403-001282 | DIODE-ZENER;BZT52-C15,13.8-15.6,410MW,SO | 1 | |
|4 | D701 | 0403-001435 | DIODE-ZENER;QZX363C5V6,5.32-5.88V,200MW, | 1 | |
|4 | D607 | 0404-001166 | DIODE-SCHOTTKY;MBRM130LT3,30V,1000MA,D0- | 1 | |
|4 | D608 | 0404-001166 | DIODE-SCHOTTKY;MBRM130LT3,30V,1000MA,D0- | 1 | |
|4 | D101 | 0407-000123 | DIODE-ARRAY;DAN202K,80V,100MA,CA2-3,SOT- | 1 | |
|4 | D611 | 0407-000123 | DIODE-ARRAY;DAN202K,80V,100MA,CA2-3,SOT- | 1 | |
|4 | Q101 | 0501-000342 | TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT- | 1 | |
|4 | Q102 | 0501-000342 | TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT- | 1 | |
|4 | Q103 | 0501-000342 | TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT- | 1 | |
|4 | Q701 | 0501-000342 | TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT- | 1 | |
|4 | Q803 | 0501-000342 | TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT- | 1 | |
|4 | Q901 | 0501-000342 | TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT- | 1 | |
|4 | Q914 | 0501-000342 | TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT- | 1 | |
|4 | Q506 | 0501-002080 | TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59 | 1 | |
|4 | Q601 | 0501-002080 | TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59 | 1 | |
|4 | Q602 | 0501-002080 | TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59 | 1 | |
|4 | Q603 | 0501-002080 | TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59 | 1 | |
|4 | Q703 | 0501-002080 | TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59 | 1 | |
|4 | Q801 | 0501-002080 | TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59 | 1 | |
|4 | Q802 | 0501-002080 | TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59 | 1 | |
|4 | Q409 | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1 | |
|4 | Q409 | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1 | |
|4 | Q409 | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1 | |
|4 | Q409 | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1 | |
|4 | Q409 | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1 | |
|4 | Q409 | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1 | |
|4 | Q409 | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1 | |
|4 | Q409 | 0505-001170 | FET-SILICON;SI9933ADY-T1,P,-20V,3.4A,0.0 | 1 | |
|4 | Q409 | 0505-001170 | FET-SILICON;SI9933ADY-T1,P,-20V,3.4A,0.0 | 1 | |
|4 | IC104 | 0801-002267 | IC-CMOS LOGIC;74LCX14,-,SOIC,14P,150MIL, | 1 | |
|4 | IC104 | 0801-002396 | IC-CMOS LOGIC;74LCX74,D FLIP FLOP,SOP,14 | 1 | |
|4 | IC104 | 0801-002709 | IC-CMOS LOGIC;74HC373,D FLIP-FLOP,TSSOP, | 1 | |
|4 | IC104 | 0801-002709 | IC-CMOS LOGIC;74HC373,D FLIP-FLOP,TSSOP, | 1 | |
|4 | IC1509 | 0803-000117 | IC-TTL;74F14,INVERTER,SOP,14P,150MIL, | 1 | |
|4 | IC1508 | 0803-000122 | IC-TTL;74F125,BUFFER,SOP,14P,150MIL,Q | 1 | |
|4 | IC1501 | 0803-000777 | IC-TTL;74F163,COUNTER,SOP,16P,150MIL, | 1 | |
|4 | IC1503 | 0803-000777 | IC-TTL;74F163,COUNTER,SOP,16P,150MIL, | 1 | |
|4 | IC1505 | 0803-000777 | IC-TTL;74F163,COUNTER,SOP,16P,150MIL, | 1 | |
|4 | IC1507 | 0803-000777 | IC-TTL;74F163,COUNTER,SOP,16P,150MIL, | 1 | |
|4 | IC106 | 1001-001082 | IC-VIDEO SWITCH;BA7657F,-,SOP,24P,300MIL | 1 | |
|4 | IC106 | 1001-001082 | IC-VIDEO SWITCH;BA7657F,-,SOP,24P,300MIL | 1 | |
|4 | IC111 | 1001-001109 | IC-ANALOG SWITCH;FST3125M,BUS SWITCH & C | 1 | |
|4 | IC112 | 1001-001109 | IC-ANALOG SWITCH;FST3125M,BUS SWITCH & C | 1 | |
|4 | IC106 | 1001-001177 | IC-VIDEO SWITCH;TEA6425D,VIDEO SWITCH,S | 1 | |
|4 | IC108 | 1002-001365 | IC-A/D CONVERTER;MST9883A-110,24Bit(8x3) | 1 | |
|4 | IC109 | 1003-001559 | IC-LCD CONTROLLER;PW565,PBGA,365P,24X24M | 1 | |
|4 | IC403 | 1003-001565 | IC-DISPLAY DRIVER;SDP31,QFP,208P,28X28MM | 1 | |
|4 | IC112 | 1103-000129 | IC-EEPROM;24C02,256x8,SOP,8P,5x4mm,4.5/5 | 1 | |
|4 | IC112 | 1103-000129 | IC-EEPROM;24C02,256x8,SOP,8P,5x4mm,4.5/5 | 1 | |
|4 | IC112 | 1103-000129 | IC-EEPROM;24C02,256x8,SOP,8P,5x4mm,4.5/5 | 1 | |
|4 | IC112 | 1103-001147 | IC-EEPROM;24256,256Kbit,32Kx8Bit,SOP,8P, | 1 | |
|4 | IC113 | 1105-001336 | IC-DRAM;-,512K*32*4Bit,TSOP,86P,400MIL,6 | 1 | |
|4 | IC113 | 1105-001336 | IC-DRAM;-,512K*32*4Bit,TSOP,86P,400MIL,6 | 1 | |
|4 | IC113 | 1105-001336 | IC-DRAM;-,512K*32*4Bit,TSOP,86P,400MIL,6 | 1 | |
|4 | IC113 | 1105-001336 | IC-DRAM;-,512K*32*4Bit,TSOP,86P,400MIL,6 | 1 | |
|4 | IC113 | 1105-001336 | IC-DRAM;-,512K*32*4Bit,TSOP,86P,400MIL,6 | 1 | |
|4 | IC114 | 1106-001367 | IC-SRAM;K6R4008C1C-J12,512KX8BIT,SOJ,36P | 1 | |
|4 | T0085 | 1201-001495 | IC-AUDIO AMP;7050,SOP,8P,150MIL,DUAL,26D | 1 | |
|4 | T0085 | 1201-001983 | IC-AUDIO AMP;TPA3002D2PHP,HTQFP,48P,7X7MM | 1 | |
|4 | IC611 | 1203-000404 | IC-DC/DC CONVERTER;34063,SOP,8P,150MIL,P | 1 | |
|4 | IC612 | 1203-000404 | IC-DC/DC CONVERTER;34063,SOP,8P,150MIL,P | 1 | |
|4 | IC150 | 1203-001009 | IC-SWITCH REG.;3172,SOP,8P,244MIL,PLASTI | 1 | |
|4 | IC302 | 1203-001212 | IC-VOL. DETECTOR;7029,SOT-89,3P,-,PLASTI | 1 | |
|4 | IC504 | 1203-001212 | IC-VOL. DETECTOR;7029,SOT-89,3P,-,PLASTI | 1 | |
|4 | IC509 | 1203-001212 | IC-VOL. DETECTOR;7029,SOT-89,3P,-,PLASTI | 1 | |
|4 | T0087 | 1203-001816 | IC-POSIFIXED REG.;78M08,TO-252,3P,-,PLA | 1 | |
|4 | IC904 | 1203-001824 | IC-VOL. DETECTOR;7042,SOT-89,3P,-,PLASTI | 1 | |
|4 | IC918 | 1203-001824 | IC-VOL. DETECTOR;7042,SOT-89,3P,-,PLASTI | 1 | |
|4 | T0087 | 1203-002067 | IC-POSIFIXED REG.;3330,SOT-23,6P,65MIL, | 1 | |
|4 | IC606 | 1203-002889 | IC-DC/DC CONVERTER;AP1501-K5A,TO263-5L,5 | 1 | |

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| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|----------|-------------|--|------|--------|
|4 | IC604 | 1203-003015 | IC-DC/DC CONVERTER;MP1410ES,SOIC,8P,4.9x | 1 | |
|4 | T0170 | 1203-003059 | IC-SWITCH VOL. REG.;MP1583,SOIC,8P,4.9x3 | 1 | |
|4 | T0170 | 1203-003059 | IC-SWITCH VOL. REG.;MP1583,SOIC,8P,4.9x3 | 1 | |
|4 | T0170 | 1203-003059 | IC-SWITCH VOL. REG.;MP1583,SOIC,8P,4.9x3 | 1 | |
|4 | IC907 | 1204-001912 | IC-DECODER;SDA5550M,P-MQFP,100P,-,PLASTI | 1 | |
|4 | IC118 | 1204-001926 | IC-VIDEO PROCESS;VPC3230D-C5,PQFP,80P,-, | 1 | |
|4 | IC510 | 1204-002074 | IC-MODULATOR;P2005S-08SR,SOIC,8P,4.92X3 | 1 | |
|4 | IC118 | 1204-002127 | IC-VIDEO PROCESS;MDIN-150,QFP,256P,28X28 | 1 | |
|4 | IC703 | 1204-002128 | IC-AUDIO PROCESSOR;MSP3410G-QA-C12,PQFP, | 1 | |
|4 | IC301 | 1205-002198 | IC-RECEIVER;SII169CT100,LQFP,100P,14X14M | 1 | |
|4 | R323 | 2007-000034 | R-CHIP;10HM,5%,1/4W,TP,3216 | 1 | |
|4 | R324 | 2007-000034 | R-CHIP;10HM,5%,1/4W,TP,3216 | 1 | |
|4 | R801 | 2007-000034 | R-CHIP;10HM,5%,1/4W,TP,3216 | 1 | |
|4 | R1521 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R283 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R304 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R305 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R306 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R310 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R425 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R426 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R433 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R436 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R437 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R441 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R505 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R506 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R507 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R508 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R509 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R510 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R522 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R527 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R546 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R547 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R569 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R585 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R5890 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R599 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R631 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R638 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R701 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R703 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R704 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R706 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R707 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R708 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R762 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R768 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R769 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9208 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9210 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9211 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R925 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R926 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R930 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R931 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9501 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9502 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9503 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9504 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R980 | 2007-000070 | R-CHIP;0ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R203 | 2007-000071 | R-CHIP;22ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R204 | 2007-000071 | R-CHIP;22ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R442 | 2007-000071 | R-CHIP;22ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R867 | 2007-000071 | R-CHIP;22ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R869 | 2007-000071 | R-CHIP;22ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R872 | 2007-000071 | R-CHIP;22ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R409 | 2007-000072 | R-CHIP;47ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R586 | 2007-000072 | R-CHIP;47ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R587 | 2007-000072 | R-CHIP;47ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9187 | 2007-000072 | R-CHIP;47ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R114 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R115 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R116 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R117 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |

7 Electrical Parts List

[illegible]

| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|----------|-------------|---------------------------------|------|--------|
|4 | R978 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R979 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R981 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R983 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R984 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R986 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R987 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R988 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R989 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R992 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R993 | 2007-000074 | R-CHIP;100ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R933 | 2007-000075 | R-CHIP;220ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R431 | 2007-000076 | R-CHIP;330ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R438 | 2007-000076 | R-CHIP;330ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R446 | 2007-000076 | R-CHIP;330ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R908 | 2007-000076 | R-CHIP;330ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9209 | 2007-000076 | R-CHIP;330ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R102 | 2007-000077 | R-CHIP;470ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R103 | 2007-000077 | R-CHIP;470ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R104 | 2007-000077 | R-CHIP;470ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R523 | 2007-000077 | R-CHIP;470ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R524 | 2007-000077 | R-CHIP;470ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R904 | 2007-000077 | R-CHIP;470ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R051 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R1505 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R1527 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R321 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R521 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R583 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R604 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R624 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R714 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R715 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R730 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R734 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R735 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R736 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R737 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R738 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R739 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R740 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R741 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R742 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R834 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R835 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R836 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R837 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R842 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R843 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R849 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R851 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R852 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R853 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R854 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R855 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R887 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R916 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R917 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R918 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R919 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9199 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R921 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9247 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9248 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9251 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R948 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R967 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R996 | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R108 | 2007-000080 | R-CHIP;2Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R141 | 2007-000080 | R-CHIP;2Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R613 | 2007-000080 | R-CHIP;2Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R021 | 2007-000082 | R-CHIP;3.3Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R023 | 2007-000082 | R-CHIP;3.3Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R101 | 2007-000082 | R-CHIP;3.3Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R501 | 2007-000082 | R-CHIP;3.3Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R502 | 2007-000082 | R-CHIP;3.3Kohm,5%,1/10W,TP,1608 | 1 | |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|----------|-------------|---------------------------------|------|--------|
|4 | R579 | 2007-000082 | R-CHIP;3.3Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R581 | 2007-000082 | R-CHIP;3.3Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R582 | 2007-000082 | R-CHIP;3.3Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R611 | 2007-000082 | R-CHIP;3.3Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R120 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R123 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R1525 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R1526 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R263 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R264 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R266 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R267 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R282 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R308 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R322 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R427 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R428 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R429 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R439 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R503 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R511 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R512 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R513 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R516 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R517 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R518 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R534 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R542 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R543 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R544 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R545 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R553 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R594 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R595 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R622 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R724 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R725 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R728 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R856 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R857 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R886 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R902 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9181 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9213 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9214 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R922 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R923 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R924 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R929 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R937 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R942 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R985 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R998 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R999 | 2007-000084 | R-CHIP;4.7Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R938 | 2007-000088 | R-CHIP;7.5Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R165 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R185 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R186 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R193 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R194 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R195 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R199 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R232 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R5511 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R5512 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R554 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R555 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R597 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R598 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R623 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R626 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R628 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R629 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R632 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R718 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R719 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |

| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|----------|-------------|---------------------------------|------|--------|
|4 | R750 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R905 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R906 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9183 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9194 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9198 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9253 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9868 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R990 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R991 | 2007-000090 | R-CHIP;10Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R601 | 2007-000091 | R-CHIP;12Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R765 | 2007-000091 | R-CHIP;12Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R720 | 2007-000093 | R-CHIP;20Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R721 | 2007-000093 | R-CHIP;20Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R619 | 2007-000094 | R-CHIP;22Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R528 | 2007-000097 | R-CHIP;47Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R531 | 2007-000097 | R-CHIP;47Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R763 | 2007-000097 | R-CHIP;47Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R764 | 2007-000097 | R-CHIP;47Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R901 | 2007-000097 | R-CHIP;47Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R760 | 2007-000099 | R-CHIP;62Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R761 | 2007-000099 | R-CHIP;62Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R770 | 2007-000099 | R-CHIP;62Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R771 | 2007-000099 | R-CHIP;62Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R109 | 2007-000100 | R-CHIP;68Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R127 | 2007-000100 | R-CHIP;68Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R625 | 2007-000101 | R-CHIP;82Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R191 | 2007-000102 | R-CHIP;100Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R5510 | 2007-000102 | R-CHIP;100Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R605 | 2007-000102 | R-CHIP;100Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R612 | 2007-000102 | R-CHIP;100Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R615 | 2007-000102 | R-CHIP;100Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R617 | 2007-000102 | R-CHIP;100Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R627 | 2007-000102 | R-CHIP;100Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R753 | 2007-000102 | R-CHIP;100Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R702 | 2007-000103 | R-CHIP;120Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R705 | 2007-000103 | R-CHIP;120Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R832 | 2007-000106 | R-CHIP;220Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R833 | 2007-000106 | R-CHIP;220Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R110 | 2007-000107 | R-CHIP;470Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R129 | 2007-000107 | R-CHIP;470Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R445 | 2007-000113 | R-CHIP;33ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R318 | 2007-000118 | R-CHIP;390ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R316 | 2007-000120 | R-CHIP;680ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R012 | 2007-000121 | R-CHIP;820ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R533 | 2007-000124 | R-CHIP;2.2Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R603 | 2007-000125 | R-CHIP;3.9Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R607 | 2007-000125 | R-CHIP;3.9Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R907 | 2007-000125 | R-CHIP;3.9Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R618 | 2007-000127 | R-CHIP;9.1Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R602 | 2007-000129 | R-CHIP;27Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R767 | 2007-000129 | R-CHIP;27Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R192 | 2007-000133 | R-CHIP;330Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9195 | 2007-000134 | R-CHIP;33Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R634 | 2007-000219 | R-CHIP;1.2Kohm,1%,1/10W,TP,1608 | 1 | |
|4 | R636 | 2007-000219 | R-CHIP;1.2Kohm,1%,1/10W,TP,1608 | 1 | |
|4 | R606 | 2007-000231 | R-CHIP;1.3Kohm,1%,1/10W,TP,1608 | 1 | |
|4 | R319 | 2007-000239 | R-CHIP;1.5Kohm,1%,1/10W,TP,1608 | 1 | |
|4 | R614 | 2007-000239 | R-CHIP;1.5Kohm,1%,1/10W,TP,1608 | 1 | |
|4 | R913 | 2007-000239 | R-CHIP;1.5Kohm,1%,1/10W,TP,1608 | 1 | |
|4 | R914 | 2007-000239 | R-CHIP;1.5Kohm,1%,1/10W,TP,1608 | 1 | |
|4 | R1507 | 2007-000287 | R-CHIP;100OHM,1%,1/10W,TP,1608 | 1 | |
|4 | R1510 | 2007-000287 | R-CHIP;100OHM,1%,1/10W,TP,1608 | 1 | |
|4 | R1513 | 2007-000287 | R-CHIP;100OHM,1%,1/10W,TP,1608 | 1 | |
|4 | R1516 | 2007-000287 | R-CHIP;100OHM,1%,1/10W,TP,1608 | 1 | |
|4 | R1522 | 2007-000287 | R-CHIP;100OHM,1%,1/10W,TP,1608 | 1 | |
|4 | R1523 | 2007-000287 | R-CHIP;100OHM,1%,1/10W,TP,1608 | 1 | |
|4 | R1524 | 2007-000287 | R-CHIP;100OHM,1%,1/10W,TP,1608 | 1 | |
|4 | R122 | 2007-000293 | R-CHIP;100ohm,5%,1/4W,TP,3216 | 1 | |
|4 | R125 | 2007-000293 | R-CHIP;100ohm,5%,1/4W,TP,3216 | 1 | |
|4 | R136 | 2007-000293 | R-CHIP;100ohm,5%,1/4W,TP,3216 | 1 | |
|4 | R137 | 2007-000293 | R-CHIP;100ohm,5%,1/4W,TP,3216 | 1 | |
|4 | R147 | 2007-000293 | R-CHIP;100ohm,5%,1/4W,TP,3216 | 1 | |
|4 | R816 | 2007-000293 | R-CHIP;100ohm,5%,1/4W,TP,3216 | 1 | |
|4 | R817 | 2007-000293 | R-CHIP;100ohm,5%,1/4W,TP,3216 | 1 | |
|4 | R818 | 2007-000293 | R-CHIP;100ohm,5%,1/4W,TP,3216 | 1 | |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|----------|-------------|---------------------------------|------|--------|
|4 | R9869 | 2007-000293 | R-CHIP;100ohm,5%,1/4W,TP,3216 | 1 | |
|4 | R9212 | 2007-000305 | R-CHIP;10Mohm,5%,1/10W,TP,1608 | 1 | |
|4 | R151 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R152 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R216 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R217 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R254 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R258 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R300 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R301 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R302 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R303 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R407 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R408 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R418 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R419 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R421 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R422 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R519 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R526 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R529 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R535 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R536 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R537 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R538 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R539 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R541 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R552 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R561 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R564 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R589 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R593 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R596 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R731 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R732 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9242 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9244 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9245 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R9246 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R935 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R936 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R965 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R966 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R994 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R995 | 2007-000309 | R-CHIP;10ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R1519 | 2007-000402 | R-CHIP;150ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R711 | 2007-000458 | R-CHIP;18Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R563 | 2007-000608 | R-CHIP;240ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R621 | 2007-000701 | R-CHIP;3.6Kohm,1%,1/10W,TP,1608 | 1 | |
|4 | R9196 | 2007-000701 | R-CHIP;3.6Kohm,1%,1/10W,TP,1608 | 1 | |
|4 | R616 | 2007-000857 | R-CHIP;4.3Kohm,1%,1/10W,TP,1608 | 1 | |
|4 | R121 | 2007-000939 | R-CHIP;47Kohm,1%,1/10W,TP,1608 | 1 | |
|4 | R712 | 2007-000950 | R-CHIP;47ohm,5%,1/4W,TP,3216 | 1 | |
|4 | R713 | 2007-000950 | R-CHIP;47ohm,5%,1/4W,TP,3216 | 1 | |
|4 | R609 | 2007-001056 | R-CHIP;6.2Kohm,5%,1/10W,TP,1608 | 1 | |
|4 | R548 | 2007-001164 | R-CHIP;75ohm,1%,1/10W,TP,1608 | 1 | |
|4 | R549 | 2007-001164 | R-CHIP;75ohm,1%,1/10W,TP,1608 | 1 | |
|4 | R551 | 2007-001164 | R-CHIP;75ohm,1%,1/10W,TP,1608 | 1 | |
|4 | R802 | 2007-001164 | R-CHIP;75ohm,1%,1/10W,TP,1608 | 1 | |
|4 | R814 | 2007-001164 | R-CHIP;75ohm,1%,1/10W,TP,1608 | 1 | |
|4 | R831 | 2007-001164 | R-CHIP;75ohm,1%,1/10W,TP,1608 | 1 | |
|4 | R838 | 2007-001164 | R-CHIP;75ohm,1%,1/10W,TP,1608 | 1 | |
|4 | R839 | 2007-001164 | R-CHIP;75ohm,1%,1/10W,TP,1608 | 1 | |
|4 | R841 | 2007-001164 | R-CHIP;75ohm,1%,1/10W,TP,1608 | 1 | |
|4 | R863 | 2007-001164 | R-CHIP;75ohm,1%,1/10W,TP,1608 | 1 | |
|4 | R9200 | 2007-001164 | R-CHIP;75ohm,1%,1/10W,TP,1608 | 1 | |
|4 | R9870 | 2007-001164 | R-CHIP;75ohm,1%,1/10W,TP,1608 | 1 | |
|4 | R9871 | 2007-001164 | R-CHIP;75ohm,1%,1/10W,TP,1608 | 1 | |
|4 | R9872 | 2007-001164 | R-CHIP;75ohm,1%,1/10W,TP,1608 | 1 | |
|4 | R105 | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R106 | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R107 | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R215 | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R223 | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R224 | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R225 | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608 | 1 | |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|----------|-------------|--|------|--------|
|4 | R873 | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R874 | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R875 | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R928 | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608 | 1 | |
|4 | R635 | 2007-008433 | R-CHIP;0.33OHM,1%,1W,DA,TP,6432 | 1 | |
|4 | R639 | 2007-008433 | R-CHIP;0.33OHM,1%,1W,DA,TP,6432 | 1 | |
|4 | R716 | 2007-008720 | R-CHIP;4.7ohm,1%,1/4W,TP,3216 | 1 | |
|4 | R717 | 2007-008720 | R-CHIP;4.7ohm,1%,1/4W,TP,3216 | 1 | |
|4 | RA201 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA202 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA203 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA204 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA211 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA308 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA309 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA310 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA311 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA313 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA314 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA402 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA403 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA404 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA405 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA406 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA407 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA408 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA409 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA412 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA416 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA417 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA419 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA523 | 2011-000002 | R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA101 | 2011-000585 | R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA102 | 2011-000585 | R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA103 | 2011-000585 | R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA104 | 2011-000585 | R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA106 | 2011-000585 | R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA107 | 2011-000585 | R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA503 | 2011-000585 | R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA504 | 2011-000585 | R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA505 | 2011-000585 | R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA506 | 2011-000585 | R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA507 | 2011-000585 | R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA508 | 2011-000585 | R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA509 | 2011-000585 | R-NET;47OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA524 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA525 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA526 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA555 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA556 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA557 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA558 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA559 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA561 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA801 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA802 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA901 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA902 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA903 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA904 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA905 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA906 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA907 | 2011-000651 | R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA105 | 2011-001001 | R-NET;0OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA502 | 2011-001001 | R-NET;0OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA513 | 2011-001001 | R-NET;0OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA514 | 2011-001001 | R-NET;0OHM,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA599 | 2011-001015 | R-NET;1Kohm,5%,1/16W,L,CHIP,8P,TP | 1 | |
|4 | RA531 | 2011-001093 | R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | RA532 | 2011-001093 | R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216 | 1 | |
|4 | C491 | 2203-000041 | C-CER,CHIP;0.01NF,0.25PF,50V,C0G,TP,1608 | 1 | |
|4 | C492 | 2203-000041 | C-CER,CHIP;0.01NF,0.25PF,50V,C0G,TP,1608 | 1 | |
|4 | C205 | 2203-000140 | C-CER,CHIP;1.5nF,10%,50V,X7R,1608 | 1 | |
|4 | C209 | 2203-000140 | C-CER,CHIP;1.5nF,10%,50V,X7R,1608 | 1 | |
|4 | C223 | 2203-000140 | C-CER,CHIP;1.5nF,10%,50V,X7R,1608 | 1 | |
|4 | C229 | 2203-000140 | C-CER,CHIP;1.5nF,10%,50V,X7R,1608 | 1 | |

7 Electrical Parts List

[illegible]

| Level | Loc. No. | Code No. | Description & Specification | O'ty | SA/SNA |
|-------|----------|-------------|---------------------------------------|------|--------|
|4 | C483 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C485 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C486 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C487 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C488 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C489 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C573 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C591 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C592 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C593 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C603 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C604 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C607 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C616 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C618 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C623 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C632 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C641 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C649 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C657 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C663 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C683 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C702 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C715 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C722 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C723 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C730 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C758 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C769 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C774 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C834 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C853 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C854 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C914 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C915 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C929 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C935 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C958 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C959 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C960 | 2203-000189 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 | 1 | |
|4 | C013 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C032 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C161 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C162 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C163 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C171 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C239 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C241 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C282 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C570 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C729 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C812 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C819 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C821 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C822 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C823 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C832 | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608 | 1 | |
|4 | C029 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C126 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C131 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C318 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C407 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C408 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C409 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C411 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C412 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C413 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C421 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C422 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C423 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C424 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C425 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C426 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C447 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C448 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C449 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|----------|-------------|--|------|--------|
|4 | C459 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C461 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C462 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C601 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C621 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C629 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C638 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C648 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C705 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C706 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C720 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C721 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C808 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C824 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C826 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C827 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C828 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C829 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C831 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C835 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C836 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C837 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C838 | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608 | 1 | |
|4 | C233 | 2203-000280 | C-CER,CHIP;0.01nF,0.5PF,50V,C0G,TP,1608 | 1 | |
|4 | C252 | 2203-000280 | C-CER,CHIP;0.01nF,0.5PF,50V,C0G,TP,1608 | 1 | |
|4 | C254 | 2203-000280 | C-CER,CHIP;0.01nF,0.5PF,50V,C0G,TP,1608 | 1 | |
|4 | C257 | 2203-000280 | C-CER,CHIP;0.01nF,0.5PF,50V,C0G,TP,1608 | 1 | |
|4 | C681 | 2203-000315 | C-CER,CHIP;0.12nF,5%,50V,C0G,TP,1608 | 1 | |
|4 | C685 | 2203-000315 | C-CER,CHIP;0.12nF,5%,50V,C0G,TP,1608 | 1 | |
|4 | C909 | 2203-000357 | C-CER,CHIP;0.15nF,5%,50V,C0G,1608 | 1 | |
|4 | C302 | 2203-000384 | C-CER,CHIP;0.015nF,5%,50V,C0G,1608 | 1 | |
|4 | C303 | 2203-000384 | C-CER,CHIP;0.015nF,5%,50V,C0G,1608 | 1 | |
|4 | C497 | 2203-000384 | C-CER,CHIP;0.015nF,5%,50V,C0G,1608 | 1 | |
|4 | C615 | 2203-000405 | C-CER,CHIP;0.18nF,5%,50V,C0G,1608 | 1 | |
|4 | C627 | 2203-000405 | C-CER,CHIP;0.18nF,5%,50V,C0G,1608 | 1 | |
|4 | C636 | 2203-000405 | C-CER,CHIP;0.18nF,5%,50V,C0G,1608 | 1 | |
|4 | C646 | 2203-000405 | C-CER,CHIP;0.18nF,5%,50V,C0G,1608 | 1 | |
|4 | C568 | 2203-000426 | C-CER,CHIP;0.018nF,5%,50V,C0G,TP,1608 | 1 | |
|4 | C569 | 2203-000426 | C-CER,CHIP;0.018nF,5%,50V,C0G,TP,1608 | 1 | |
|4 | C114 | 2203-000440 | C-CER,CHIP;1nF,10%,50V,X7R,1608 | 1 | |
|4 | C195 | 2203-000440 | C-CER,CHIP;1nF,10%,50V,X7R,1608 | 1 | |
|4 | C238 | 2203-000440 | C-CER,CHIP;1nF,10%,50V,X7R,1608 | 1 | |
|4 | C261 | 2203-000440 | C-CER,CHIP;1nF,10%,50V,X7R,1608 | 1 | |
|4 | C504 | 2203-000440 | C-CER,CHIP;1nF,10%,50V,X7R,1608 | 1 | |
|4 | C506 | 2203-000440 | C-CER,CHIP;1nF,10%,50V,X7R,1608 | 1 | |
|4 | C508 | 2203-000440 | C-CER,CHIP;1nF,10%,50V,X7R,1608 | 1 | |
|4 | C583 | 2203-000440 | C-CER,CHIP;1nF,10%,50V,X7R,1608 | 1 | |
|4 | C736 | 2203-000440 | C-CER,CHIP;1nF,10%,50V,X7R,1608 | 1 | |
|4 | C737 | 2203-000440 | C-CER,CHIP;1nF,10%,50V,X7R,1608 | 1 | |
|4 | C9728 | 2203-000440 | C-CER,CHIP;1nF,10%,50V,X7R,1608 | 1 | |
|4 | C919 | 2203-000552 | C-CER,CHIP;0.02nF,5%,50V,C0G,TP,1608 | 1 | |
|4 | C921 | 2203-000552 | C-CER,CHIP;0.02nF,5%,50V,C0G,TP,1608 | 1 | |
|4 | C927 | 2203-000552 | C-CER,CHIP;0.02nF,5%,50V,C0G,TP,1608 | 1 | |
|4 | C931 | 2203-000552 | C-CER,CHIP;0.02nF,5%,50V,C0G,TP,1608 | 1 | |
|4 | C933 | 2203-000552 | C-CER,CHIP;0.02nF,5%,50V,C0G,TP,1608 | 1 | |
|4 | C936 | 2203-000552 | C-CER,CHIP;0.02nF,5%,50V,C0G,TP,1608 | 1 | |
|4 | C594 | 2203-000626 | C-CER,CHIP;0.022nF,5%,50V,C0G,1608 | 1 | |
|4 | C617 | 2203-000715 | C-CER,CHIP;3.3nF,10%,50V,X7R,TP,1608,- | 1 | |
|4 | C628 | 2203-000715 | C-CER,CHIP;3.3nF,10%,50V,X7R,TP,1608,- | 1 | |
|4 | C637 | 2203-000715 | C-CER,CHIP;3.3nF,10%,50V,X7R,TP,1608,- | 1 | |
|4 | C647 | 2203-000715 | C-CER,CHIP;3.3nF,10%,50V,X7R,TP,1608,- | 1 | |
|4 | C214 | 2203-000783 | C-CER,CHIP;0.33nF,5%,50V,C0G,1608 | 1 | |
|4 | C173 | 2203-000815 | C-CER,CHIP;0.033nF,5%,50V,C0G,1608 | 1 | |
|4 | C589 | 2203-000815 | C-CER,CHIP;0.033nF,5%,50V,C0G,1608 | 1 | |
|4 | C801 | 2203-000815 | C-CER,CHIP;0.033nF,5%,50V,C0G,1608 | 1 | |
|4 | C802 | 2203-000815 | C-CER,CHIP;0.033nF,5%,50V,C0G,1608 | 1 | |
|4 | C807 | 2203-000815 | C-CER,CHIP;0.033nF,5%,50V,C0G,1608 | 1 | |
|4 | C809 | 2203-000815 | C-CER,CHIP;0.033nF,5%,50V,C0G,1608 | 1 | |
|4 | C811 | 2203-000815 | C-CER,CHIP;0.033nF,5%,50V,C0G,1608 | 1 | |
|4 | C818 | 2203-000815 | C-CER,CHIP;0.033nF,5%,50V,C0G,1608 | 1 | |
|4 | C111 | 2203-000838 | C-CER,CHIP;0.39nF,5%,50V,C0G,TP,1608 | 1 | |
|4 | C262 | 2203-000838 | C-CER,CHIP;0.39nF,5%,50V,C0G,TP,1608 | 1 | |
|4 | C112 | 2203-000843 | C-CER,CHIP;39nF,10%,25V,X7R,TP,1608,- | 1 | |
|4 | C767 | 2203-000872 | C-CER,CHIP;0.003nF,0.25PF,50V,C0G,TP,160 | 1 | |
|4 | C768 | 2203-000872 | C-CER,CHIP;0.003nF,0.25PF,50V,C0G,TP,160 | 1 | |
|4 | C016 | 2203-000888 | C-CER,CHIP;4.7nF,10%,50V,X7R,TP,1608 | 1 | |

| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|----------|-------------|--|------|--------|
|4 | C031 | 2203-000888 | C-CER,CHIP;4.7nF,10%,50V,X7R,TP,1608 | 1 | |
|4 | C574 | 2203-000888 | C-CER,CHIP;4.7nF,10%,50V,X7R,TP,1608 | 1 | |
|4 | C740 | 2203-000888 | C-CER,CHIP;4.7nF,10%,50V,X7R,TP,1608 | 1 | |
|4 | C741 | 2203-000888 | C-CER,CHIP;4.7nF,10%,50V,X7R,TP,1608 | 1 | |
|4 | C215 | 2203-000903 | C-CER,CHIP;0.0047nF,0.25pF,50V,C0G,1608 | 1 | |
|4 | C216 | 2203-000903 | C-CER,CHIP;0.0047nF,0.25pF,50V,C0G,1608 | 1 | |
|4 | C206 | 2203-000972 | C-CER,CHIP;47nF,10%,16V,X7R,TP,1608 | 1 | |
|4 | C208 | 2203-000972 | C-CER,CHIP;47nF,10%,16V,X7R,TP,1608 | 1 | |
|4 | C219 | 2203-000972 | C-CER,CHIP;47nF,10%,16V,X7R,TP,1608 | 1 | |
|4 | C236 | 2203-000972 | C-CER,CHIP;47nF,10%,16V,X7R,TP,1608 | 1 | |
|4 | C761 | 2203-000972 | C-CER,CHIP;47nF,10%,16V,X7R,TP,1608 | 1 | |
|4 | C1512 | 2203-000998 | C-CER,CHIP;0.047nF,5%,50V,C0G,1608 | 1 | |
|4 | C211 | 2203-000998 | C-CER,CHIP;0.047nF,5%,50V,C0G,1608 | 1 | |
|4 | C212 | 2203-000998 | C-CER,CHIP;0.047nF,5%,50V,C0G,1608 | 1 | |
|4 | C213 | 2203-000998 | C-CER,CHIP;0.047nF,5%,50V,C0G,1608 | 1 | |
|4 | C427 | 2203-000998 | C-CER,CHIP;0.047nF,5%,50V,C0G,1608 | 1 | |
|4 | C428 | 2203-000998 | C-CER,CHIP;0.047nF,5%,50V,C0G,1608 | 1 | |
|4 | C429 | 2203-000998 | C-CER,CHIP;0.047nF,5%,50V,C0G,1608 | 1 | |
|4 | C431 | 2203-000998 | C-CER,CHIP;0.047nF,5%,50V,C0G,1608 | 1 | |
|4 | C857 | 2203-000998 | C-CER,CHIP;0.047nF,5%,50V,C0G,1608 | 1 | |
|4 | C858 | 2203-000998 | C-CER,CHIP;0.047nF,5%,50V,C0G,1608 | 1 | |
|4 | C759 | 2203-001071 | C-CER,CHIP;0.056NF,5%,50V,C0G,TP,1608 | 1 | |
|4 | C765 | 2203-001071 | C-CER,CHIP;0.056NF,5%,50V,C0G,TP,1608 | 1 | |
|4 | C766 | 2203-001071 | C-CER,CHIP;0.056NF,5%,50V,C0G,TP,1608 | 1 | |
|4 | C843 | 2203-001071 | C-CER,CHIP;0.056NF,5%,50V,C0G,TP,1608 | 1 | |
|4 | C202 | 2203-001140 | C-CER,CHIP;68nF,10%,16V,X7R,1608 | 1 | |
|4 | C203 | 2203-001140 | C-CER,CHIP;68nF,10%,16V,X7R,1608 | 1 | |
|4 | C207 | 2203-001140 | C-CER,CHIP;68nF,10%,16V,X7R,1608 | 1 | |
|4 | C495 | 2203-001222 | C-CER,CHIP;0.82NF,10%,50V,X7R,TP,1608 | 1 | |
|4 | C496 | 2203-001222 | C-CER,CHIP;0.82NF,10%,50V,X7R,TP,1608 | 1 | |
|4 | C224 | 2203-001242 | C-CER,CHIP;0.082nF,5%,50V,NP0,1608 | 1 | |
|4 | C226 | 2203-001242 | C-CER,CHIP;0.082nF,5%,50V,NP0,1608 | 1 | |
|4 | C227 | 2203-001242 | C-CER,CHIP;0.082nF,5%,50V,NP0,1608 | 1 | |
|4 | C225 | 2203-001402 | C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608 | 1 | |
|4 | C232 | 2203-001402 | C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608 | 1 | |
|4 | C246 | 2203-001402 | C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608 | 1 | |
|4 | C248 | 2203-001402 | C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608 | 1 | |
|4 | C251 | 2203-001402 | C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608 | 1 | |
|4 | C263 | 2203-001402 | C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608 | 1 | |
|4 | C718 | 2203-001607 | C-CER,CHIP;0.22nF,5%,50V,NP0,-,1608 | 1 | |
|4 | C732 | 2203-001630 | C-CER,CHIP;330nF,+80-20%,16V,Y5V,TP,1608 | 1 | |
|4 | C733 | 2203-001630 | C-CER,CHIP;330nF,+80-20%,16V,Y5V,TP,1608 | 1 | |
|4 | C932 | 2203-001630 | C-CER,CHIP;330nF,+80-20%,16V,Y5V,TP,1608 | 1 | |
|4 | C139 | 2203-001652 | C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608 | 1 | |
|4 | C145 | 2203-001652 | C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608 | 1 | |
|4 | C148 | 2203-001652 | C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608 | 1 | |
|4 | C157 | 2203-001652 | C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608 | 1 | |
|4 | C158 | 2203-001652 | C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608 | 1 | |
|4 | C159 | 2203-001652 | C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608 | 1 | |
|4 | C775 | 2203-001652 | C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608 | 1 | |
|4 | C776 | 2203-001652 | C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608 | 1 | |
|4 | C128 | 2203-001656 | C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608 | 1 | |
|4 | C138 | 2203-001656 | C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608 | 1 | |
|4 | C222 | 2203-001656 | C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608 | 1 | |
|4 | C228 | 2203-001656 | C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608 | 1 | |
|4 | C744 | 2203-001656 | C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608 | 1 | |
|4 | C762 | 2203-001656 | C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608 | 1 | |
|4 | C014 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C101 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C102 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C103 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C104 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C105 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C106 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C107 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C108 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C109 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C113 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C115 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C117 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C118 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C119 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C120 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C122 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C124 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C143 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |

7 Electrical Parts List

[illegible]

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|----------|-------------|--|------|--------|
|4 | C579 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C580 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C582 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C588 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C590 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C596 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C608 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C624 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C633 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C642 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C653 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C693 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C695 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C696 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C697 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C747 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C773 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C839 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C841 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C842 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C846 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C901 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C903 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C905 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C906 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C911 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C912 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C916 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C918 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C925 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C9501 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C956 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C957 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C961 | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608 | 1 | |
|4 | C127 | 2203-005065 | C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608 | 1 | |
|4 | C130 | 2203-005065 | C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608 | 1 | |
|4 | C738 | 2203-005065 | C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608 | 1 | |
|4 | C739 | 2203-005065 | C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608 | 1 | |
|4 | C833 | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,- | 1 | |
|4 | C231 | 2203-006036 | C-CER,CHIP;680NF,+80-20%,16V,Y5V,TP,1608 | 1 | |
|4 | C234 | 2203-006036 | C-CER,CHIP;680NF,+80-20%,16V,Y5V,TP,1608 | 1 | |
|4 | C247 | 2203-006036 | C-CER,CHIP;680NF,+80-20%,16V,Y5V,TP,1608 | 1 | |
|4 | C191 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C563 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C575 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C577 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C578 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C581 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C619 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C716 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C726 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C770 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C772 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C942 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C946 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C949 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C950 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C951 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C952 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C953 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C954 | 2402-000108 | C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4 | 1 | |
|4 | C175 | 2402-000135 | C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4 | 1 | |
|4 | C572 | 2402-000135 | C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4 | 1 | |
|4 | C764 | 2402-000135 | C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4 | 1 | |
|4 | C849 | 2402-000135 | C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4 | 1 | |
|4 | C926 | 2402-000135 | C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4 | 1 | |
|4 | C5510 | 2402-000170 | C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4, | 1 | |
|4 | C658 | 2402-000170 | C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4, | 1 | |
|4 | C659 | 2402-000170 | C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4, | 1 | |
|4 | C707 | 2402-000170 | C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4, | 1 | |
|4 | C708 | 2402-000170 | C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4, | 1 | |
|4 | C709 | 2402-000170 | C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4, | 1 | |
|4 | C710 | 2402-000170 | C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4, | 1 | |
|4 | C711 | 2402-000170 | C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4, | 1 | |
|4 | C714 | 2402-000170 | C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4, | 1 | |
|4 | C719 | 2402-000170 | C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4, | 1 | |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|----------|-------------|---|------|--------|
|4 | C944 | 2402-000170 | C-AL, SMD; 1uF, 20%, 50V, GP, TP, 4.3x4.3x5.4, | 1 | |
|4 | C021 | 2402-000173 | C-AL, SMD; 4.7uF, 20%, 35V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C748 | 2402-000173 | C-AL, SMD; 4.7uF, 20%, 35V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C749 | 2402-000173 | C-AL, SMD; 4.7uF, 20%, 35V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C750 | 2402-000173 | C-AL, SMD; 4.7uF, 20%, 35V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C751 | 2402-000173 | C-AL, SMD; 4.7uF, 20%, 35V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C752 | 2402-000173 | C-AL, SMD; 4.7uF, 20%, 35V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C753 | 2402-000173 | C-AL, SMD; 4.7uF, 20%, 35V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C754 | 2402-000173 | C-AL, SMD; 4.7uF, 20%, 35V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C755 | 2402-000173 | C-AL, SMD; 4.7uF, 20%, 35V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C756 | 2402-000173 | C-AL, SMD; 4.7uF, 20%, 35V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C123 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C140 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C141 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C142 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C1522 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C1523 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C154 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C155 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C156 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C179 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C273 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C276 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C277 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C279 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C301 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C316 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C317 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C401 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C414 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C438 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C654 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C745 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C746 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C757 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C791 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C792 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C793 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C794 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C908 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C928 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C934 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C955 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C964 | 2402-000176 | C-AL, SMD; 10uF, 20%, 16V, GP, TP, 4.3x4.3x5.4 | 1 | |
|4 | C125 | 2402-000179 | C-AL, SMD; 47uF, 20%, 16V, GP, TP, 6.6x6.6x5.4 | 1 | |
|4 | C129 | 2402-000179 | C-AL, SMD; 47uF, 20%, 16V, GP, TP, 6.6x6.6x5.4 | 1 | |
|4 | C760 | 2402-000179 | C-AL, SMD; 47uF, 20%, 16V, GP, TP, 6.6x6.6x5.4 | 1 | |
|4 | C902 | 2402-000179 | C-AL, SMD; 47uF, 20%, 16V, GP, TP, 6.6x6.6x5.4 | 1 | |
|4 | C917 | 2402-000179 | C-AL, SMD; 47uF, 20%, 16V, GP, TP, 6.6x6.6x5.4 | 1 | |
|4 | C463 | 2402-000209 | C-AL, SMD; 22uF, 20%, 16V, WT, TP, 5.3x5.3mm,1 | 1 | |
|4 | C477 | 2402-000209 | C-AL, SMD; 22uF, 20%, 16V, WT, TP, 5.3x5.3mm,1 | 1 | |
|4 | C484 | 2402-000209 | C-AL, SMD; 22uF, 20%, 16V, WT, TP, 5.3x5.3mm,1 | 1 | |
|4 | C523 | 2402-000209 | C-AL, SMD; 22uF, 20%, 16V, WT, TP, 5.3x5.3mm,1 | 1 | |
|4 | C524 | 2402-000209 | C-AL, SMD; 22uF, 20%, 16V, WT, TP, 5.3x5.3mm,1 | 1 | |
|4 | C525 | 2402-000209 | C-AL, SMD; 22uF, 20%, 16V, WT, TP, 5.3x5.3mm,1 | 1 | |
|4 | C526 | 2402-000209 | C-AL, SMD; 22uF, 20%, 16V, WT, TP, 5.3x5.3mm,1 | 1 | |
|4 | C527 | 2402-000209 | C-AL, SMD; 22uF, 20%, 16V, WT, TP, 5.3x5.3mm,1 | 1 | |
|4 | C528 | 2402-000209 | C-AL, SMD; 22uF, 20%, 16V, WT, TP, 5.3x5.3mm,1 | 1 | |
|4 | C548 | 2402-000209 | C-AL, SMD; 22uF, 20%, 16V, WT, TP, 5.3x5.3mm,1 | 1 | |
|4 | C549 | 2402-000209 | C-AL, SMD; 22uF, 20%, 16V, WT, TP, 5.3x5.3mm,1 | 1 | |
|4 | C587 | 2402-000209 | C-AL, SMD; 22uF, 20%, 16V, WT, TP, 5.3x5.3mm,1 | 1 | |
|4 | C012 | 2402-001042 | C-AL, SMD; 100uF, 20%, 16V, GP, TP, 6.6x6.6x5.4 | 1 | |
|4 | C015 | 2402-001042 | C-AL, SMD; 100uF, 20%, 16V, GP, TP, 6.6x6.6x5.4 | 1 | |
|4 | C033 | 2402-001042 | C-AL, SMD; 100uF, 20%, 16V, GP, TP, 6.6x6.6x5.4 | 1 | |
|4 | C1520 | 2402-001042 | C-AL, SMD; 100uF, 20%, 16V, GP, TP, 6.6x6.6x5.4 | 1 | |
|4 | C1521 | 2402-001042 | C-AL, SMD; 100uF, 20%, 16V, GP, TP, 6.6x6.6x5.4 | 1 | |
|4 | C192 | 2402-001042 | C-AL, SMD; 100uF, 20%, 16V, GP, TP, 6.6x6.6x5.4 | 1 | |
|4 | C201 | 2402-001042 | C-AL, SMD; 100uF, 20%, 16V, GP, TP, 6.6x6.6x5.4 | 1 | |
|4 | C218 | 2402-001042 | C-AL, SMD; 100uF, 20%, 16V, GP, TP, 6.6x6.6x5.4 | 1 | |
|4 | C258 | 2402-001042 | C-AL, SMD; 100uF, 20%, 16V, GP, TP, 6.6x6.6x5.4 | 1 | |
|4 | C271 | 2402-001042 | C-AL, SMD; 100uF, 20%, 16V, GP, TP, 6.6x6.6x5.4 | 1 | |
|4 | C330 | 2402-001042 | C-AL, SMD; 100uF, 20%, 16V, GP, TP, 6.6x6.6x5.4 | 1 | |
|4 | C332 | 2402-001042 | C-AL, SMD; 100uF, 20%, 16V, GP, TP, 6.6x6.6x5.4 | 1 | |
|4 | C451 | 2402-001042 | C-AL, SMD; 100uF, 20%, 16V, GP, TP, 6.6x6.6x5.4 | 1 | |
|4 | C453 | 2402-001042 | C-AL, SMD; 100uF, 20%, 16V, GP, TP, 6.6x6.6x5.4 | 1 | |
|4 | C664 | 2402-001042 | C-AL, SMD; 100uF, 20%, 16V, GP, TP, 6.6x6.6x5.4 | 1 | |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|----------|-------------|--|------|--------|
|4 | C727 | 2402-001042 | C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4 | 1 | |
|4 | C728 | 2402-001042 | C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4 | 1 | |
|4 | C742 | 2402-001042 | C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4 | 1 | |
|4 | C904 | 2402-001042 | C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4 | 1 | |
|4 | C913 | 2402-001042 | C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4 | 1 | |
|4 | C947 | 2402-001042 | C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4 | 1 | |
|4 | C717 | 2402-001059 | C-AL,SMD;220UF,20%,6.3V,-,TP,6X6.6X6.6 | 1 | |
|4 | C845 | 2402-001070 | C-AL,SMD;470uF,20%,16V,GP,TP,10x10.2,- | 1 | |
|4 | C612 | 2402-001079 | C-AL,SMD;100UF,20%,35V,WT,TP,10X10X10MM | 1 | |
|4 | C605 | 2402-001081 | C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10 | 1 | |
|4 | C606 | 2402-001081 | C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10 | 1 | |
|4 | C622 | 2402-001081 | C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10 | 1 | |
|4 | C631 | 2402-001081 | C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10 | 1 | |
|4 | C639 | 2402-001081 | C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10 | 1 | |
|4 | C651 | 2402-001081 | C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10 | 1 | |
|4 | C656 | 2402-001081 | C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10 | 1 | |
|4 | C682 | 2402-001081 | C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10 | 1 | |
|4 | C686 | 2402-001081 | C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10 | 1 | |
|4 | C859 | 2402-001081 | C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10 | 1 | |
|4 | C861 | 2402-001081 | C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10 | 1 | |
|4 | C022 | 2402-001128 | C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM | 1 | |
|4 | C023 | 2402-001128 | C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM | 1 | |
|4 | C435 | 2402-001128 | C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM | 1 | |
|4 | C437 | 2402-001128 | C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM | 1 | |
|4 | C503 | 2402-001128 | C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM | 1 | |
|4 | C505 | 2402-001128 | C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM | 1 | |
|4 | C507 | 2402-001128 | C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM | 1 | |
|4 | C643 | 2402-001128 | C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM | 1 | |
|4 | C734 | 2402-001128 | C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM | 1 | |
|4 | C735 | 2402-001128 | C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM | 1 | |
|4 | C613 | 2402-001145 | C-AL,CHIP;47UF,20%,50V,GP,TP,6.3X7.7MM | 1 | |
|4 | C614 | 2402-001145 | C-AL,CHIP;47UF,20%,50V,GP,TP,6.3X7.7MM | 1 | |
|4 | C852 | 2402-001145 | C-AL,CHIP;47UF,20%,50V,GP,TP,6.3X7.7MM | 1 | |
|4 | C221 | 2402-001150 | C-AL,SMD;47UF,20%,16V,-,TP,6.3X5.8MM | 1 | |
|4 | C235 | 2402-001150 | C-AL,SMD;47UF,20%,16V,-,TP,6.3X5.8MM | 1 | |
|4 | C731 | 2402-001150 | C-AL,SMD;47UF,20%,16V,-,TP,6.3X5.8MM | 1 | |
|4 | C943 | 2402-001150 | C-AL,SMD;47UF,20%,16V,-,TP,6.3X5.8MM | 1 | |
|4 | C556 | 2402-001165 | C-AL,SMD;4.7UF,20%,35V,WT,TP,4X5.8MM | 1 | |
|4 | C558 | 2402-001165 | C-AL,SMD;4.7UF,20%,35V,WT,TP,4X5.8MM | 1 | |
|4 | C560 | 2402-001165 | C-AL,SMD;4.7UF,20%,35V,WT,TP,4X5.8MM | 1 | |
|4 | C652 | 2402-001204 | C-POLYMER AL CHIP;82UF,20%,16V,-,TP,8.3X | 1 | |
|4 | C703 | 2402-001204 | C-POLYMER AL CHIP;82UF,20%,16V,-,TP,8.3X | 1 | |
|4 | C625 | 2409-001029 | C-ORGANIC;120uF,20%,6.3V,WT,TP,10.3x10.3 | 1 | |
|4 | C635 | 2409-001029 | C-ORGANIC;120uF,20%,6.3V,WT,TP,10.3x10.3 | 1 | |
|4 | C645 | 2409-001029 | C-ORGANIC;120uF,20%,6.3V,WT,TP,10.3x10.3 | 1 | |
|4 | C684 | 2409-001029 | C-ORGANIC;120uF,20%,6.3V,WT,TP,10.3x10.3 | 1 | |
|4 | C609 | 2409-001065 | C-ORGANIC;82UF,20%,16V,WT,TP,8X6.9MM,- | 1 | |
|4 | C687 | 2409-001065 | C-ORGANIC;82UF,20%,16V,WT,TP,8X6.9MM,- | 1 | |
|4 | T0052 | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225 | 1 | |
|4 | T0052 | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225 | 1 | |
|4 | T0052 | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225 | 1 | |
|4 | T0052 | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225 | 1 | |
|4 | T0052 | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225 | 1 | |
|4 | T0052 | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225 | 1 | |
|4 | T0052 | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225 | 1 | |
|4 | T0052 | 2703-000412 | INDUCTOR-SMD;8.2uH,5%,3225 | 1 | |
|4 | T0052 | 2703-001778 | INDUCTOR-SMD;3.3uH,20%,3225 | 1 | |
|4 | T0052 | 2703-001778 | INDUCTOR-SMD;3.3uH,20%,3225 | 1 | |
|4 | T0052 | 2703-001778 | INDUCTOR-SMD;3.3uH,20%,3225 | 1 | |
|4 | T0052 | 2703-001778 | INDUCTOR-SMD;3.3uH,20%,3225 | 1 | |
|4 | T0052 | 2703-001778 | INDUCTOR-SMD;3.3uH,20%,3225 | 1 | |
|4 | T0052 | 2703-001778 | INDUCTOR-SMD;3.3uH,20%,3225 | 1 | |
|4 | T0052 | 2703-001778 | INDUCTOR-SMD;3.3uH,20%,3225 | 1 | |
|4 | T0052 | 2703-001778 | INDUCTOR-SMD;3.3uH,20%,3225 | 1 | |
|4 | T0052 | 2703-001778 | INDUCTOR-SMD;3.3uH,20%,3225 | 1 | |
|4 | T0052 | 2703-001778 | INDUCTOR-SMD;3.3uH,20%,3225 | 1 | |
|4 | T0052 | 2703-001778 | INDUCTOR-SMD;3.3uH,20%,3225 | 1 | |
|4 | X501 | 2801-003755 | CRYSTAL-SMD;20MHZ,30PPM,SMD,20PF,50OHM,T | 1 | |
|4 | X901 | 2801-003773 | CRYSTAL-SMD;12MHZ,30PPM,28-AAN,20PF,50OH | 1 | |
|4 | X902 | 2801-003773 | CRYSTAL-SMD;12MHZ,30PPM,28-AAN,20PF,50OH | 1 | |
|4 | X401 | 2801-003954 | CRYSTAL-SMD;27MHz,30ppm,28-AAN,16pF,50oh | 1 | |
|4 | X201 | 2801-004004 | CRYSTAL-SMD;20.25MHz,20ppm,28-AAN,13pF,2 | 1 | |
|4 | X903 | 2801-004117 | CRYSTAL-SMD;6MHZ,30PPM,28-ABX,20PF,150OH | 1 | |

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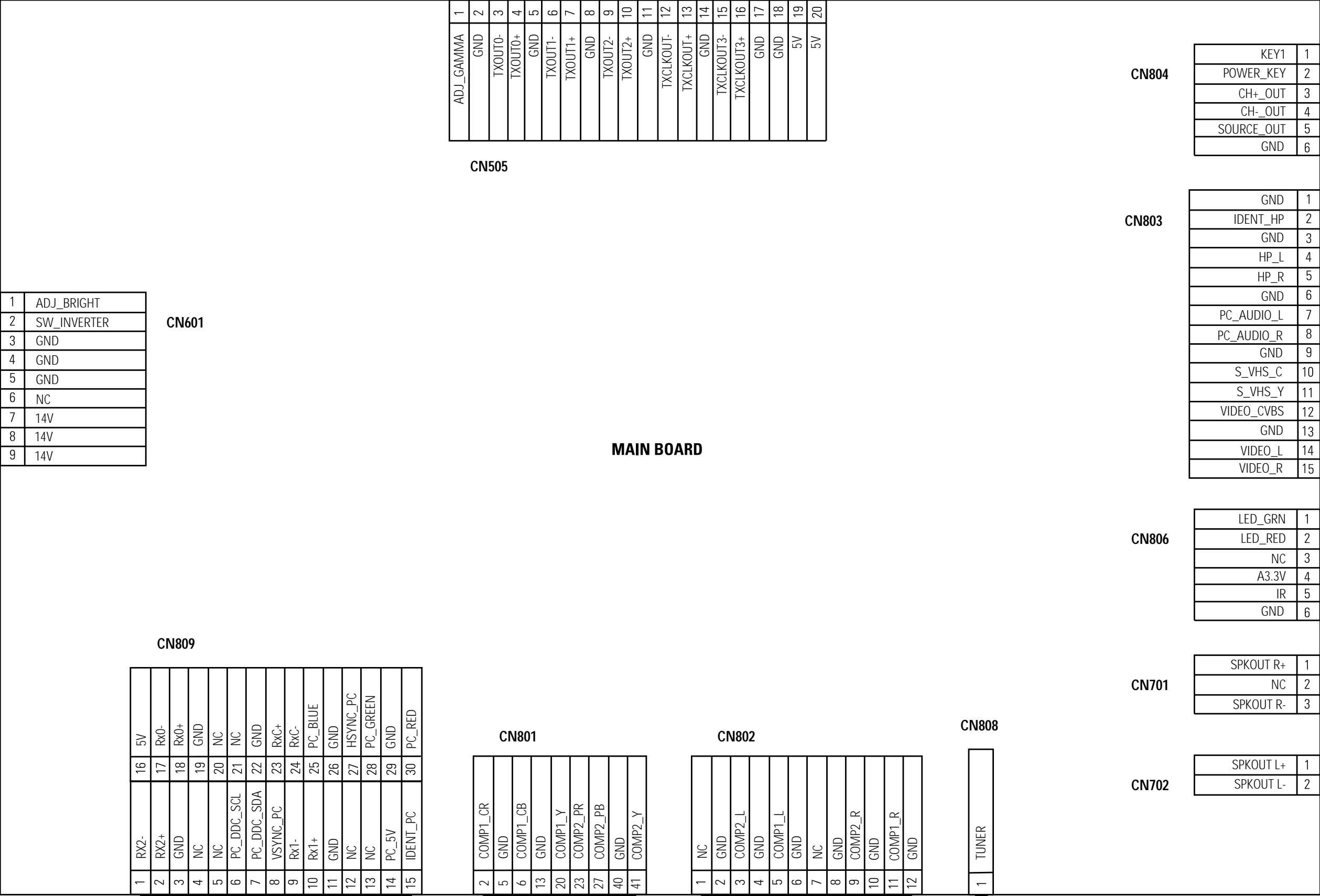
7 Electrical Parts List

| Level | Loc. No. | Code No. | Description & Specification | Q'ty | SA/SNA |
|-------|-----------|-------------|--|-------|--------|
|4 | T0119 | MD09-00137A | IC MICOM;P-PCFM-012,P-PCFM-012,32.5V,12M | 1 | |
|4 | CN906 | 3711-005497 | CONNECTOR-HEADER;BOX,15P,1R,1.25MM,SMD-A | 1 | |
|4 | T0077 | BN41-00526A | PCB MAIN;VA22SO,FR4,6,1.0,1.6T,240*197*1 | 1 | S.N.A |
|4 | IC114 | 1106-001476 | IC-SRAM;K6X1008C2D,128Kx8Bit,TSOP,32P,18 | 1 | |
|4 | M0018 | BN97-00421Y | ASSY MICOM;NEW | 1 | S.N.A |
|5 | IC115 | 1107-001087 | IC-FLASH MEMORY;29LV160,1Mx16/2Mx8,TSOP, | 1 | |
|4 | CIS5 | 0202-001375 | SOLDER-CREAM;RMA-20-21L,S63,-,Sn63/Pb36. | 7.77 | S.N.A |
|4 | R633 | 2007-008467 | R-CHIP;2.26Kohm,1%,1/10W,TP,1608 | 1 | |
|4 | IC120 | 1205-002412 | IC-TRANSMITTER;DTC34LM85A,TSSOP,56P,14x6 | 1 | |
|3 | M0018 | BN97-00421T | ASSY MICOM;VA22SO | 1 | |
|4 | IC902 | 1102-001129 | IC-EPROM;M27W401,512Kx8BIT,PLCC,32P,11.3 | 1 | S.N.A |
|3 | HS565 | BN62-00003A | HEAT SINK-IC;NK,SUN,A6063S,T2.5,W28,L28, | 1 | S.N.A |
| 0.1 | M0113 | BN92-00851A | ASSY P/MATERIAL;VR22UO | 1 | S.N.A |
| ..2 | T0524 | 6902-000519 | BAG PE;HDPE/NITRON(DOUBLE),T0.015/T0.05(| 1 | S.N.A |
| ..2 | P/M | 6902-000539 | BAG SHEET;HDPE+NITRON,T0.015+T0.5,W600,L | 1 | S.N.A |
| ..2 | M0081 | 6902-000609 | BAG ROLL;LDPE,T0.05,W2400,L1000,TRP,-,- | 0.05 | S.N.A |
| ..2 | P/M | 6902-000604 | BAG WRAPPING;LDPE,T0.02,W500,L10000,TRP, | 3 | S.N.A |
| ..2 | T0376 | 6902-000379 | BAG AIR;LDPE,T0.2,W1000,L1800,TRP,-,- | 0.064 | S.N.A |
| 0.1 | M0045 | BN92-01211W | ASSY ACCESSORY;LA22N21BX/XSA | 1 | S.N.A |
| ..2 | T0074 | BN59-00412A | REMOCON;TM76A,VICTORIA,54,G6148,PAL,NT,P | 1 | |
|3 | T0119 | AA09-00371A | IC MICOM;SZTM-839C R-52MX,28PIN,16KBYTE, | 1 | |
|3 | T0122 | 2802-000194 | RESONATOR-CERAMIC;8MHz,1.0%,TP,8.5x4.5x5 | 1 | |
| ..2 | M0045 | BN96-01119K | ASSY ACCESSORY;LS15M13CX/XSA | 1 | |
|3 | T0524 | 6902-000110 | BAG PE;LDPE,T0.05,L356,W240,TRP,28,2,PE | 1 | S.N.A |
|3 | T0268 | 3903-000204 | CBF-POWER CORD;DT,AU,IP3/YES,I(IEC C13/C | 1 | |
| ..2 | M0045 | BN96-01612Y | ASSY ACCESSORY;LA21N21BX/XSA | 1 | |
|3 | T0524 | 6902-000110 | BAG PE;LDPE,T0.05,L356,W240,TRP,28,2,PE | 1 | S.N.A |
|3 | CIS3 | BN68-00515K | MANUAL INSTALL;Card,InstallingStand,SAMS | 1 | |
|3 | M0156 | BN68-00755A | MANUAL USERS-01;LA22N21B,SAMSUNG,E,ASIA | 1 | S.N.A |
|3 | ACCESSORY | BP68-00274B | MANUAL-02,WARRANTY CARD;VD ALL MODEL,Aus | 1 | S.N.A |
|3 | ACCESSORY | AA68-03242G | MANUAL-SAFETY GUIDE;All Model,SAMSUNG,En | 1 | S.N.A |
| 0.1 | M0019 | BN92-01227D | ASSY LABEL;LA22N21BX/XSA | 1 | S.N.A |
| ..2 | LABEL | BN64-00271A | INLAY-00,REAR,RATING;ALL,PC EMBO,T0.178, | 1 | S.N.A |
| 0.1 | M0003 | BN92-01212Y | ASSY BOX;VA22SO* | 1 | S.N.A |

7 Electrical Parts List

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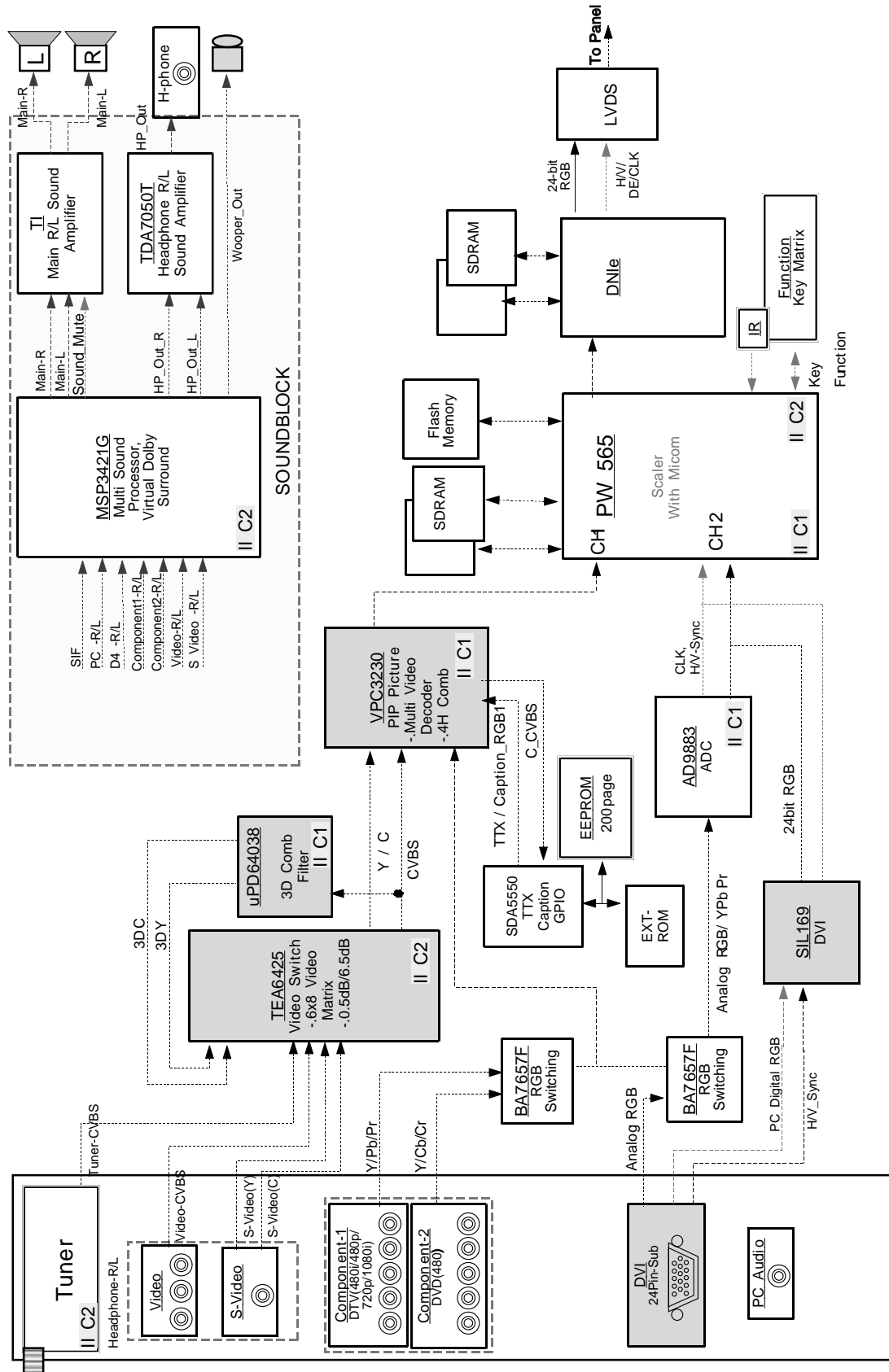
9 Wiring Diagram



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8 Block Diagram

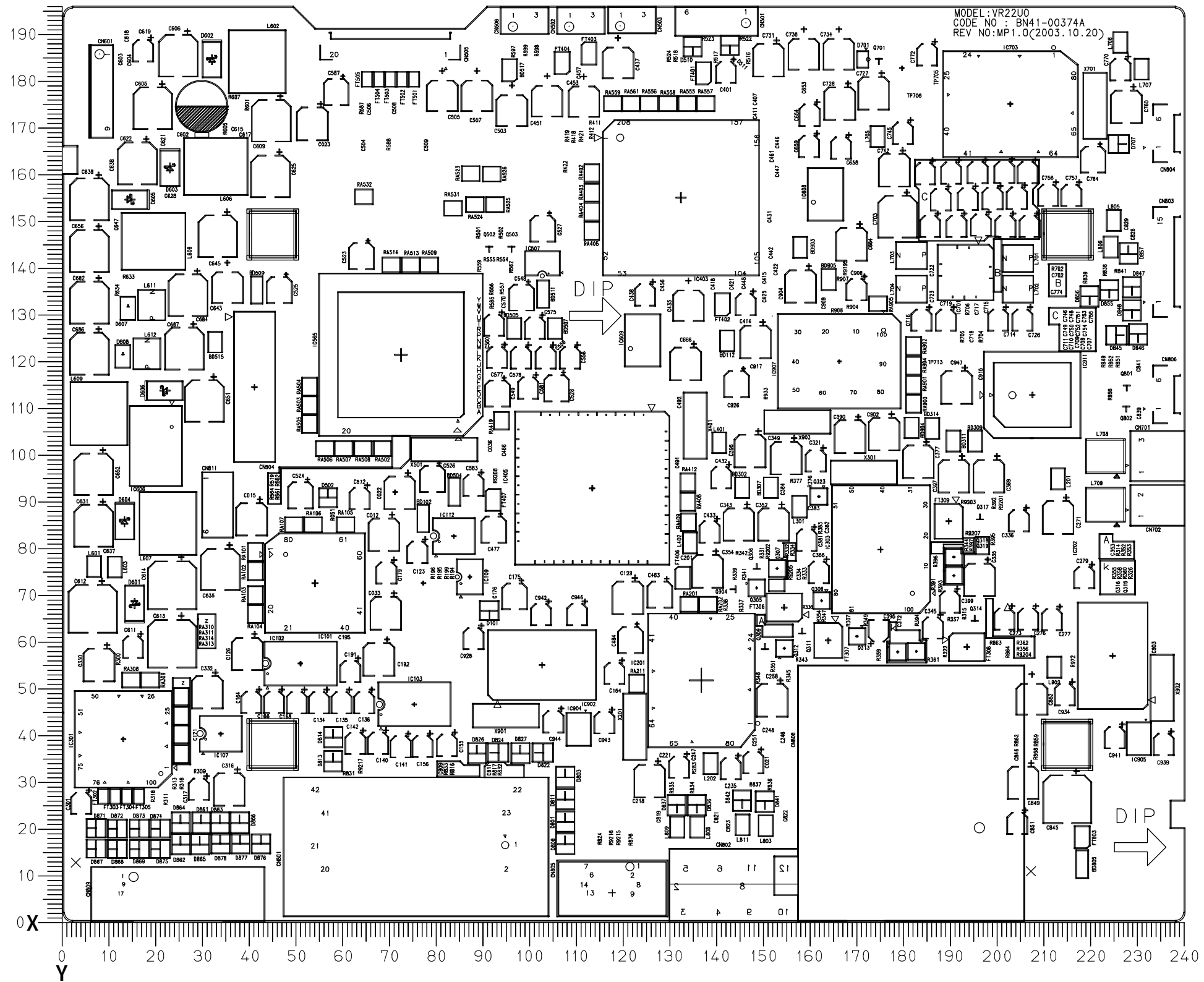
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10 PCB Layout

10-1 Main PCB Layout



10 PCB Layout

| Loc. No. | Description | X | Y |
|----------|-----------------|-------|-------|
| DIODE | | | |
| D101 | DIODE-ARRAY | 91.2 | 66.9 |
| D300 | DIODE-ZENER | 25.3 | 32.5 |
| D324 | DIODE-SWITCHING | 176.6 | 98.0 |
| D501 | DIODE-ZENER | 76.7 | 86.5 |
| D502 | DIODE-SWITCHING | 56.6 | 91.3 |
| D510 | DIODE-SWITCHING | 134.7 | 188.4 |
| D511 | DIODE-SWITCHING | 142.7 | 188.7 |
| D601 | DIODE-RECTIFIER | 15.2 | 68.5 |
| D602 | DIODE-RECTIFIER | 31.8 | 185.7 |
| D603 | DIODE-RECTIFIER | 22.8 | 162.3 |
| D604 | DIODE-RECTIFIER | 13.1 | 86.1 |
| D605 | DIODE-RECTIFIER | 14.2 | 155.5 |
| D606 | DIODE-RECTIFIER | 21.7 | 114.3 |
| D607 | DIODE-SCHOTTKY | 13.8 | 131.9 |
| D608 | DIODE-SCHOTTKY | 12.7 | 121.6 |
| D701 | DIODE-ZENER | 171.2 | 185.7 |
| D702 | DIODE-SWITCHING | 173.3 | 178.6 |
| D703 | DIODE-ZENER | 163.4 | 186.5 |
| D704 | DIODE-ZENER | 155.6 | 186.9 |
| D705 | DIODE-ZENER | 177.3 | 162.6 |
| D706 | DIODE-ZENER | 221.5 | 185.8 |
| D707 | DIODE-ZENER | 225.8 | 167.5 |
| D801 | DIODE-ZENER | 107.4 | 21.4 |
| D803 | DIODE-ZENER | 107.4 | 31.0 |
| D805 | DIODE-ZENER | 47.8 | 21.1 |
| D806 | DIODE-ZENER | 47.8 | 16.3 |
| D808 | DIODE-ZENER | 107.4 | 16.6 |
| D811 | DIODE-ZENER | 107.4 | 26.2 |
| D813 | DIODE-ZENER | 60.0 | 33.2 |
| D814 | DIODE-ZENER | 60.1 | 38.4 |
| D815 | DIODE-ZENER | 235.1 | 179.3 |
| D816 | DIODE-ZENER | 236.1 | 157.6 |
| D817 | DIODE-ZENER | 230.6 | 174.5 |
| D822 | DIODE-ZENER | 88.7 | 41.0 |
| D824 | DIODE-ZENER | 78.8 | 41.0 |
| D826 | DIODE-ZENER | 78.8 | 36.1 |
| D827 | DIODE-ZENER | 88.7 | 36.1 |
| D836 | DIODE-ZENER | 135.6 | 25.1 |
| D837 | DIODE-ZENER | 131.3 | 25.1 |
| D838 | DIODE-ZENER | 135.6 | 25.1 |
| D839 | DIODE-ZENER | 131.3 | 25.1 |
| D841 | DIODE-ZENER | 150.2 | 25.9 |

| Loc. No. | Description | X | Y |
|----------|------------------|-------|-------|
| D842 | DIODE-ZENER | 145.3 | 26.1 |
| D843 | DIODE-ZENER | 150.2 | 25.9 |
| D844 | DIODE-ZENER | 145.3 | 26.1 |
| D845 | DIODE-ZENER | 225.3 | 126.3 |
| D846 | DIODE-ZENER | 230.1 | 126.5 |
| D847 | DIODE-ZENER | 228.7 | 136.7 |
| D848 | DIODE-ZENER | 228.7 | 131.7 |
| D849 | DIODE-SWITCHING | 231.2 | 148.4 |
| D851 | DIODE-ZENER | 223.1 | 137.6 |
| D852 | DIODE-ZENER | 224.8 | 150.9 |
| D853 | DIODE-ZENER | 223.1 | 132.0 |
| D854 | DIODE-ZENER | 224.8 | 145.3 |
| D855 | DIODE-ZENER | 223.9 | 136.1 |
| D856 | DIODE-ZENER | 219.7 | 134.7 |
| D857 | DIODE-ZENER | 228.0 | 143.8 |
| D858 | DIODE-ZENER | 230.6 | 163.4 |
| D859 | DIODE-ZENER | 230.2 | 179.2 |
| D861 | DIODE-ZENER | 29.5 | 21.2 |
| D862 | DIODE-ZENER | 25.1 | 16.5 |
| D863 | DIODE-ZENER | 33.5 | 21.2 |
| D864 | DIODE-ZENER | 25.1 | 21.2 |
| D865 | DIODE-ZENER | 29.2 | 16.5 |
| D866 | DIODE-ZENER | 37.7 | 21.2 |
| D867 | DIODE-SWITCHING | 7.0 | 15.6 |
| D868 | DIODE-SWITCHING | 11.5 | 15.5 |
| D869 | DIODE-SWITCHING | 16.2 | 15.5 |
| D871 | DIODE-SWITCHING | 7.0 | 20.0 |
| D872 | DIODE-SWITCHING | 11.5 | 19.9 |
| D873 | DIODE-SWITCHING | 16.2 | 20.0 |
| D874 | DIODE-SWITCHING | 20.7 | 20.0 |
| D875 | DIODE-SWITCHING | 20.7 | 15.5 |
| D876 | DIODE-SWITCHING | 42.3 | 16.7 |
| D877 | DIODE-SWITCHING | 37.9 | 16.7 |
| D878 | DIODE-SWITCHING | 33.6 | 16.7 |
| D901 | DIODE-SWITCHING | 206.8 | 59.6 |
| D906 | DIODE-ZENER | 152.7 | 127.8 |
| D907 | DIODE-ZENER | 159.5 | 125.1 |
| IC | | | |
| IC101 | IC-A/D CONVERTER | 53.9 | 72.9 |
| IC102 | IC-VIDEO SWITCH | 54.5 | 55.4 |
| IC103 | IC-VIDEO SWITCH | 107.9 | 69.2 |

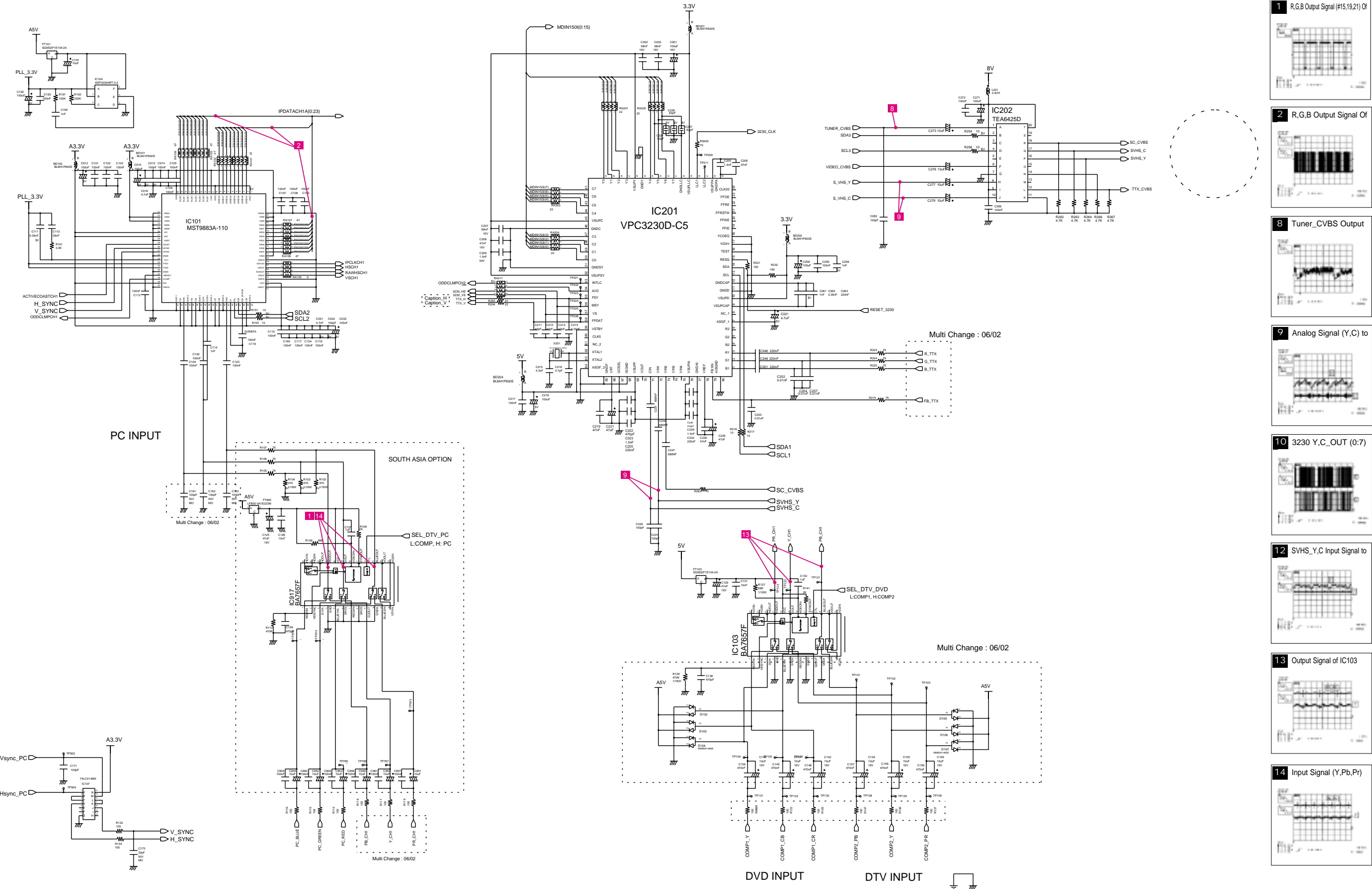
| Loc. No. | Description | X | Y |
|----------|---------------------|-------|-------|
| IC104 | IC-POSIFIXED REG. | 65.1 | 58.8 |
| IC105 | IC-ANALOG SWITCH | 37.7 | 56.4 |
| IC107 | IC-CMOS LOGIC | 33.7 | 40.4 |
| IC108 | IC-EEPROM | 97.1 | 70.2 |
| IC109 | IC-EEPROM | 87.0 | 74.2 |
| IC111 | IC-ANALOG SWITCH | 77.1 | 72.9 |
| IC112 | IC-ANALOG SWITCH | 83.6 | 83.0 |
| IC201 | IC-VIDEO PROCESS | 136.6 | 51.9 |
| IC202 | IC-VIDEO SWITCH | 106.0 | 42.9 |
| IC301 | IC-RECEIVER | 12.9 | 39.2 |
| IC302 | IC-VOL. DETECTOR | 32.1 | 33.7 |
| IC303 | IC-SEPARATOR | 176.6 | 76.2 |
| IC401 | IC-DRAM | 147.6 | 168.4 |
| IC402 | IC-DRAM | 147.9 | 144.6 |
| IC403 | IC-DISPLAY DRIVER | 132.2 | 155.9 |
| IC405 | IC-VIDEO PROCESS | 113.2 | 93.3 |
| IC406 | IC-DRAM | 97.1 | 97.0 |
| IC501 | IC-DRAM | 89.4 | 155.8 |
| IC502 | IC-DRAM | 65.1 | 155.8 |
| IC503 | IC-TRANSMITTER | 69.7 | 173.6 |
| IC504 | IC-VOL. DETECTOR | 58.0 | 95.0 |
| IC505 | IC-CMOS LOGIC | 71.0 | 92.5 |
| IC506 | IC-FLASH MEMORY | 40.4 | 113.5 |
| IC507 | IC-EEPROM | 102.6 | 141.7 |
| IC565 | IC-LCD CONTROLLER | 72.3 | 122.0 |
| IC601 | IC-SWITCH VOL. REG. | 32.1 | 186.8 |
| IC602 | IC-SWITCH REG. | 14.5 | 68.1 |
| IC603 | C-SWITCH VOL. REG | 22.2 | 162.4 |
| IC604 | IC-DC/DC CONVERTER | 12.8 | 86.3 |
| IC605 | IC-SWITCH VOL. REG. | 12.3 | 153.0 |
| IC606 | IC-DC/DC CONVERTER | 19.8 | 101.9 |
| IC607 | FET-SILICON | 162.7 | 172.7 |
| IC608 | IC-POSIFIXED REG. | 163.1 | 157.1 |
| IC609 | IC-POSIFIXED REG. | 124.0 | 125.6 |
| IC611 | IC-DC/DC CONVERTER | 13.2 | 133.2 |
| IC612 | IC-DC/DC CONVERTER | 10.5 | 121.8 |
| IC701 | IC-AUDIO AMP | 193.1 | 139.8 |
| IC702 | IC-AUDIO AMP | 179.5 | 183.8 |
| IC703 | IC-SOUND PROCESSOR | 202.7 | 176.1 |
| IC902 | IC MICOM | 209.1 | 81.5 |
| IC903 | IC MICOM | 226.2 | 57.2 |
| IC904 | IC-VOL. DETECTOR | 208.6 | 66.0 |
| IC907 | IC-DECODER | 166.1 | 120.6 |

| Loc. No. | Description | X | Y |
|------------|-----------------|-------|-------|
| IC911 | IC-EPROM | 207.5 | 103.1 |
| IC915 | IC-EEPROM | 148.2 | 121.9 |
| TRANSISTOR | | | |
| Q101 | TR-SMALL SIGNAL | 78.3 | 66.6 |
| Q102 | TR-SMALL SIGNAL | 85.1 | 81.7 |
| Q301 | TR-SMALL SIGNAL | 182.3 | 89.0 |
| Q302 | TR-SMALL SIGNAL | 186.4 | 88.6 |
| Q303 | TR-SMALL SIGNAL | 182.1 | 89.2 |
| Q304 | TR-SMALL SIGNAL | 161.5 | 98.6 |
| Q305 | TR-SMALL SIGNAL | 157.3 | 97.1 |
| Q306 | TR-SMALL SIGNAL | 161.5 | 102.7 |
| Q307 | TR-SMALL SIGNAL | 157.2 | 101.4 |
| Q308 | TR-SMALL SIGNAL | 172.3 | 89.9 |
| Q309 | TR-SMALL SIGNAL | 154.9 | 87.1 |
| Q311 | TR-SMALL SIGNAL | 161.2 | 92.4 |
| Q312 | TR-SMALL SIGNAL | 157.2 | 91.6 |
| Q313 | TR-SMALL SIGNAL | 159.5 | 84.9 |
| Q314 | TR-SMALL SIGNAL | 148.6 | 82.6 |
| Q315 | TR-SMALL SIGNAL | 150.1 | 78.2 |
| Q316 | TR-SMALL SIGNAL | 156.5 | 80.6 |
| Q317 | TR-SMALL SIGNAL | 160.2 | 61.5 |
| Q318 | TR-SMALL SIGNAL | 150.4 | 67.7 |
| Q319 | TR-SMALL SIGNAL | 157.2 | 69.3 |
| Q323 | TR-SMALL SIGNAL | 190.5 | 89.0 |
| Q324 | FET-SILICON | 25.5 | 27.5 |
| Q325 | FET-SILICON | 21.4 | 27.4 |
| Q502 | FET-SILICON | 91.1 | 145.3 |
| Q503 | FET-SILICON | 96.0 | 145.3 |
| Q504 | FET-SILICON | 70.5 | 81.2 |
| Q505 | FET-SILICON | 64.6 | 81.3 |
| Q601 | TR-SMALL SIGNAL | 21.0 | 98.4 |
| Q602 | TR-SMALL SIGNAL | 171.0 | 163.9 |
| Q603 | TR-SMALL SIGNAL | 172.9 | 170.0 |
| Q701 | TR-SMALL SIGNAL | 174.6 | 185.8 |
| Q702 | TR-SMALL SIGNAL | 199.5 | 130.0 |
| Q703 | TR-SMALL SIGNAL | 186.6 | 129.2 |
| Q801 | TR-SMALL SIGNAL | 227.6 | 115.4 |
| Q802 | TR-SMALL SIGNAL | 227.5 | 110.9 |
| Q901 | TR-SMALL SIGNAL | 157.7 | 135.7 |
| Q903 | TR-SMALL SIGNAL | 148.7 | 111.4 |

11 Schematic Diagrams

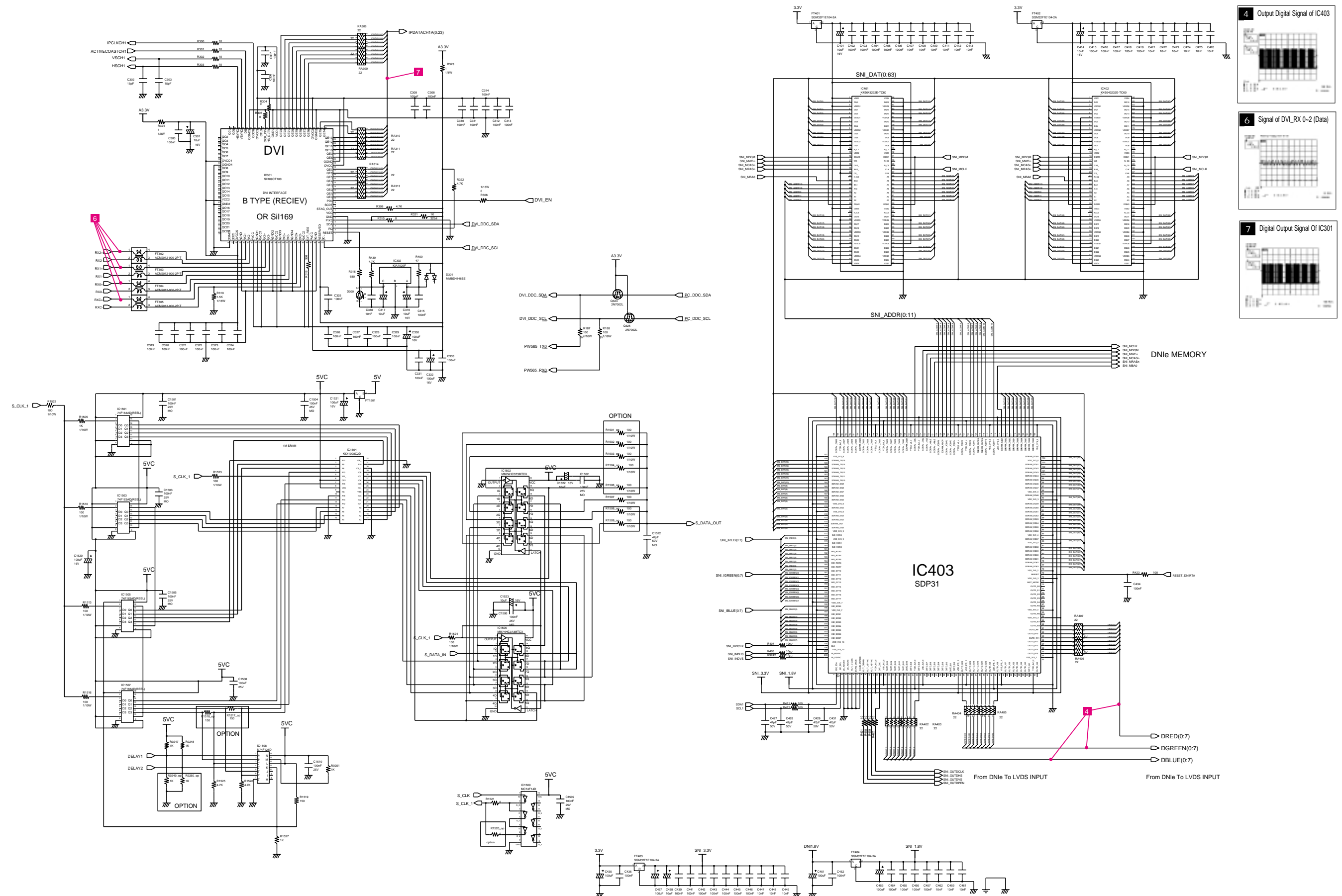
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11-1 VIDEO DECODER ADC, SWITCH Schematic Diagram



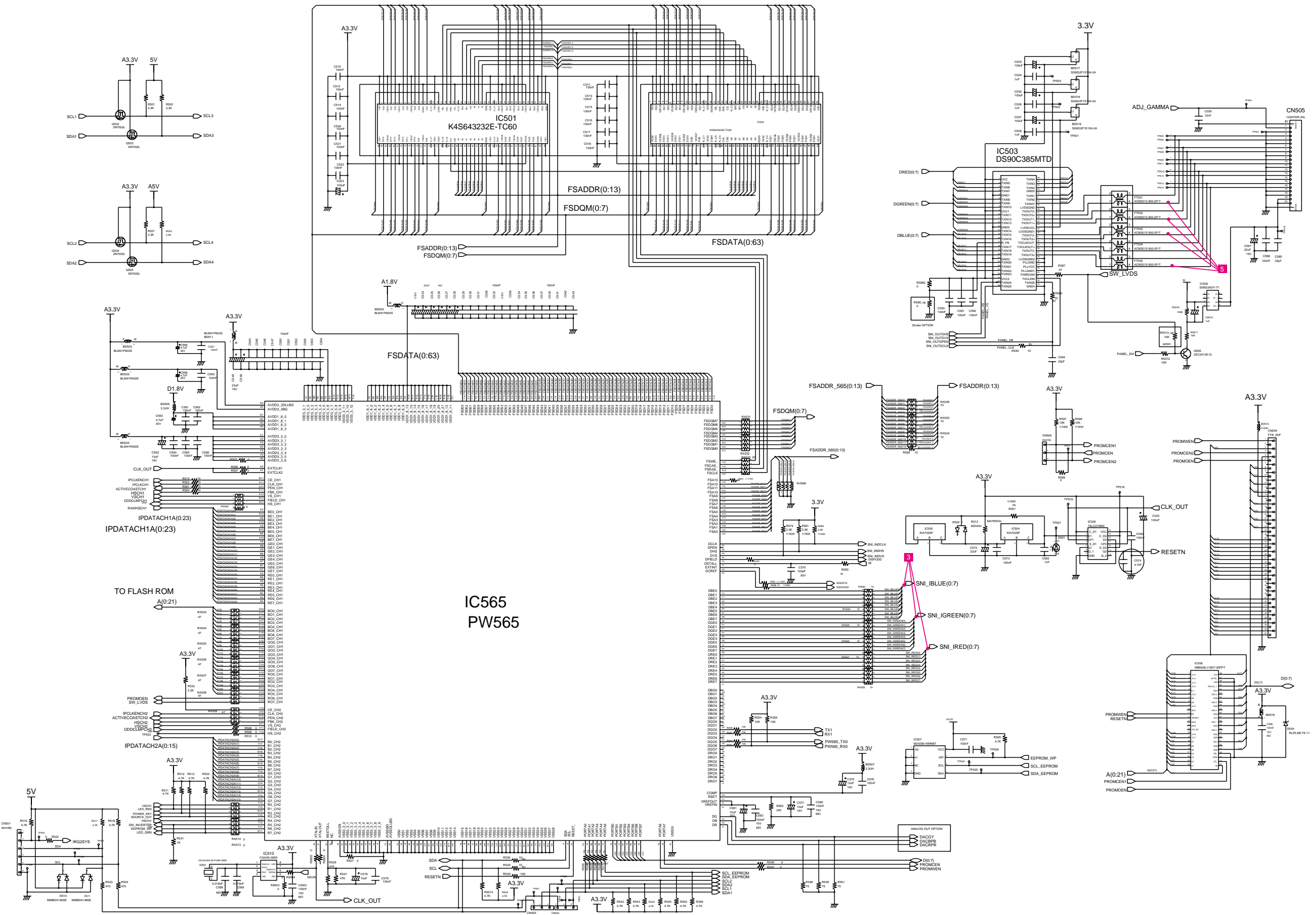
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11-2 DVE, DNI 3D Comb Schematic Diagram

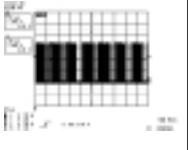


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11-3 PW565_Scaler LVDS, Video_Memory, Flash_Memory Schematic Diagram



3 Output Digital Signal of IC565



5 Digital Output Data of IC503

