



# LCD-TV

Chassis : N55A

Model : LN32A450C1X  
LN37A530P1FXZX

## ***SERVICE*** Manual

### TFT-LCD TV



LN32A450C1X / LN37A450C1X

### Contents

1. Precautions
2. Product specifications
3. Disassembly and Reassembly
4. Troubleshooting
5. Exploded View & Part List
6. Wiring Diagram
7. Schematic Diagram

# Contents

|  |            |
|--|------------|
| <b>1. Precautions .....</b>                                      | <b>1-1</b> |
| 1-1. Safety Precautions .....                                    | 1-1        |
| 1-2. Servicing Precautions .....                                 | 1-2        |
| 1-3. Electrostatically Sensitive Devices (ESD) Precautions ..... | 1-2        |
| 1-4. Installation Precautions .....                              | 1-3        |
| <b>2. Product specifications .....</b>                           | <b>2-1</b> |
| 2-1. Feature & Specifications .....                              | 2-1        |
| 2-3. Spec Comparison to the Old Models .....                     | 2-6        |
| 2-4. Accessories .....   | 2-7        |
| <b>3. Disassembly and Reassemble .....</b>                       | <b>3-1</b> |
| 3-1. Disassembly .....   | 3-1        |
| <b>4. Troubleshooting .....</b>                                  | <b>4-1</b> |
| 4-1. Troubleshooting .....                                       | 4-1        |
| 4-2. Alignments and Adjustments .....                            | 4-15       |
| 4-3. Factory Mode Adjustments .....                              | 4-16       |
| 4-4. White Balance - Calibration .....                           | 4-21       |
| 4-5. White Ratio (Balance) Adjustment .....                      | 4-23       |
| 4-6. HOW TO UPGRADE .....  | 4-24       |
| <b>5. Exploded View &amp; Part List .....</b>                    | <b>5-1</b> |
| 5-1. LN32A450C1X Exploded View .....                             | 5-1        |
| 5-2. LN37A350C1X Exploded View .....                             | 5-3        |
| 5-3. LN32A450C1X Parts List .....                                | 5-5        |
| 5-4. LN37A450C1X Parts List .....                                | 5-30       |
| <b>6. Wiring Diagram .....</b>                                   | <b>6-1</b> |
| 6-1. Wiring Diagram .....  | 6-1        |
| 6-2. Wiring Picture .....  | 6-4        |
| 6-3. Connector Functions .....                                   | 6-5        |
| 6-4. Cables .....  | 6-6        |



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# 1. Precautions

## 1-1. Safety Precautions

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

### 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 LCD 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 LCD TV.
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).

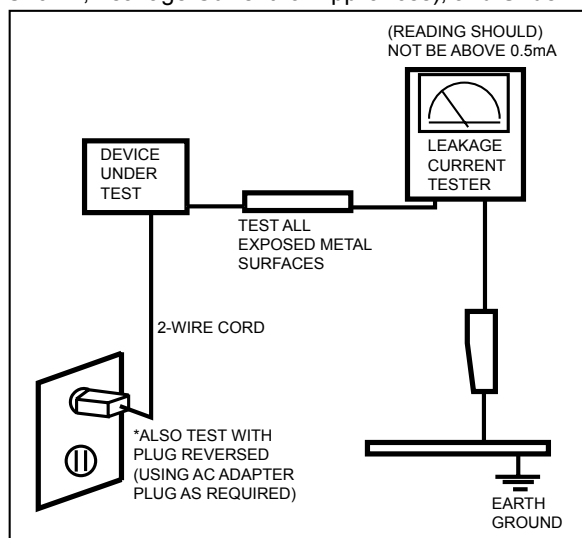


Figure 1-1. Leakage Current Test Circuit

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.

## 1-2. 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 LCD 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.

## **1-4. Installation Precautions**

1. For safety reasons, more than two people are required for carrying the product.
2. Keep the power cord away from any heat emitting devices, as a melted covering may cause fire or electric shock.
3. Do not place the product in areas with poor ventilation such as a bookshelf or closet. The increased internal temperature may cause fire.
4. Bend the external antenna cable when connecting it to the product. This is a measure to protect it from being exposed to moisture. Otherwise, it may cause a fire or electric shock.
5. Make sure to turn the power off and unplug the power cord from the outlet before repositioning the product. Also check the antenna cable or the external connectors if they are fully unplugged. Damage to the cord may cause fire or electric shock.
6. Keep the antenna far away from any high-voltage cables and install it firmly. Contact with the highvoltage cable or the antenna falling over may cause fire or electric shock.
7. When installing the product, leave enough space (10cm) between the product and the wall for ventilation purposes. A rise in temperature within the product may cause fire.

---

## Memo



| Model   | LN32A450C1X   |  |
|---|---|--|
| <b>Feature</b>  |   |  |
| <ul style="list-style-type: none"> <li>▶ RF, 2-HDMI.1-HDMI/DVI, 2-Component, 2-AV, 1-S-Video, D-SUB</li> <li>▶ Brightness : 450cd/m<sup>2</sup></li> <li>▶ Contrast Ratio : 3000:1</li> <li>▶ Response time : 8ms</li> <li>▶ Dynamic contrast, Super-PVA</li> <li>▶ PIP(in HDMI 1, 2, 3, Component 1, PC Mode and Sub picture is available only in TV analog mode)</li> </ul> |   |  |
| <b>Specifications</b>   |   |  |
| Item  | Description   |  |
| LCD Panel   | TFT-LCD panel, RGB vertical stripe, SPVA mode, normaly black,<br>32-Inch viewable, 0.46125(H) x 0.46125(W) x 3 mm pixel pitch   |  |
| Scanning Frequency  | Horizontal : 30 kHz ~ 80 kHz (Automatic)<br>Vertical : 56 Hz ~ 75 Hz (Automatic)  |  |
| Display Colors  | 16.7 million colors   |  |
| Maximum resolution  | Horizontal : 1366 Pixels<br>Vertical : 768 Pixels   |  |
| Input Signal  | Analog 0.7 Vp-p ± 5% positive at 75Ω , internally terminated  |  |
| Input Sync Signal   | H/V Separate, TTL, P. or N.   |  |
| Maximum Pixel Clock rate  | 310MHz  |  |
| Active Display<br>Horizontal/Vertical   | 40.1 x 22.54 inches (1018.08 (H) x 572.67 (V) mm)   |  |
| AC power voltage & Frequency  | AC 110V ~ 240V, 50/60Hz   |  |
| Power Consumption   | <160 W ( < 1W, stand by )   |  |
| Dimensions<br>Set (W x D x H)   | 31.48 x 9.92 x 22.70 inches_with stand<br>31.48 x 3.11 x 20.68 inches_without stand   |  |
| Weight (Set)  | 28.87lbs  |  |
| TV System   | Tuning  | Frequency Synthesize (Refer to detailed Frequency Table) |
|   | System  | NTSC, PAL-M, PAL-N                                       |
|   | Sound   | M  |
| Environmental Considerations  | Operating Temperature : 50°F ~ 104°F (10°C ~ 40°C)<br>Operating Humidity : 10% ~ 80%, non-condensing<br>Storage temperature : -13°F ~ 113°F (-25°C ~ 45°C)<br>Storage Humidity : 5% ~ 95%, non-condensing                                   |  |
| Environmental Considerations  | - MAX Internal speaker Out : Right => 10W, Left => 10W<br>- BASS Control Range : -8 dB ~ + 8dB<br>- TREBLE Control Range : -8 dB ~ +8 dB<br>- Headphone Out : 10 mW MAX<br>- Output Frequency : RF : 80 Hz ~ 15 kHz<br>A/V : 80 Hz ~ 20 kHz |  |
| <b>Note:</b> Anynet+  |   |  |

## 2. Product specifications

|   |   |  |
|---|---|--|
| <b>Model</b>  | <b>LN37A450C1X</b>  |  |
| <b>Feature</b>  |   |  |
| <ul style="list-style-type: none"> <li>▶ RF, 2-HDMI.1-HDMI/DVI, 2-Component, 2-AV, 1-S-Video, D-SUB</li> <li>▶ Brightness : 450cd/m<sup>2</sup></li> <li>▶ Contrast Ratio : 2500:1</li> <li>▶ Response time : 8ms</li> <li>▶ Dynamic contrast, Super-PVA</li> <li>▶ PIP(in HDMI 1, 2, 3, Component 1, PC Mode and Sub picture is available only in TV analog mode)</li> </ul> |   |  |
| <b>Specifications</b>   |   |  |
| <b>Item</b>   | <b>Description</b>  |  |
| LCD Panel   | TFT-LCD panel, RGB vertical stripe, SPVA mode, normally black,<br>37-Inch viewable, 0.6(H) x 0.6(W) x 3 mm pixel pitch  |  |
| Scanning Frequency  | Horizontal : 30 kHz ~ 80 kHz (Automatic)<br>Vertical : 56 Hz ~ 75 Hz (Automatic)  |  |
| Display Colors  | 16.7 million colors   |  |
| Maximum resolution  | Horizontal : 1366 Pixels<br>Vertical : 768 Pixels   |  |
| Input Signal  | Analog 0.7 Vp-p ± 5% positive at 75Ω , internally terminated  |  |
| Input Sync Signal   | H/V Separate, TTL, P. or N.   |  |
| Maximum Pixel Clock rate  | 307MHz  |  |
| Active Display<br>Horizontal/Vertical   | 45.35 x 25.51 inches (1152 (H) x 648 (V) mm)  |  |
| AC power voltage & Frequency  | AC 110V ~ 240V, 50/60Hz   |  |
| Power Consumption   | <161 W ( < 1W, stand by )   |  |
| Dimensions<br>Set (W x D x H)   | 36.08 x 11.81 x 25.91 inches_with stand<br>36.08 x 3.22 x 23.66_without stand   |  |
| Weight (Set)  | 40.33lbs  |  |
| TV System   | Tuning  | Frequency Synthesize (Refer to detailed Frequency Table) |
|   | System  | NTSC, PAL-M, PAL-N                                       |
|   | Sound   | M  |
| Environmental Considerations  | Operating Temperature : 50°F ~ 104°F (10°C ~ 40°C)<br>Operating Humidity : 10% ~ 80%, non-condensing<br>Storage temperature : -13°F ~ 113°F (-25°C ~ 45°C)<br>Storage Humidity : 5% ~ 95%, non-condensing                                   |  |
| Environmental Considerations  | - MAX Internal speaker Out : Right => 10W, Left => 10W<br>- BASS Control Range : -8 dB ~ + 8dB<br>- TREBLE Control Range : -8 dB ~ +8 dB<br>- Headphone Out : 10 mW MAX<br>- Output Frequency : RF : 80 Hz ~ 15 kHz<br>A/V : 80 Hz ~ 20 kHz |  |
| <b>Note:</b> Anynet+  |   |  |

## CHANNEL FREQUENCY TABLE

1. OUTPUT FREQUENCY : ANALOG fv:45.75MHz, fs:41.25MHz    DIGITAL Fc:44MHz

2. TUNING STEP SIZE : FIRST PLL 250KHz    SECOND PLL 62.5KHz

| OSD | CH NO | AIR     |          | BAND | CH NO | Cable STD |  | BAND  | CH NO | Cable HRC |  | CH NO | Cable IRC |  |
|-----|-------|---------|----------|------|-------|-----------|--|-------|-------|-----------|--|-------|-----------|--|
|     |       | Air-DTV | Air-NTSC |      |       |           |  |       |       |           |  |       |           |  |
| 1   | 1     |         |          |      |       |           |  |       | A-8   | 72.00     |  | A-8   | 73.25     |  |
| 2   | 2     | 57      | 55.25    | V-L  | 2     | 55.25     |  | V-L   | 2     | 54.00     |  | 2     | 55.25     |  |
| 3   | 3     | 63      | 61.25    | V-L  | 3     | 61.25     |  | V-L   | 3     | 60.00     |  | 3     | 61.25     |  |
| 4   | 4     | 69      | 67.25    | V-L  | 4     | 67.25     |  | V-L   | 4     | 66.00     |  | 4     | 67.25     |  |
| 5   | 5     | 79      | 77.25    | V-L  | 5     | 77.25     |  | V-L   | A-7   | 78.00     |  | A-7   | 79.25     |  |
| 6   | 6     | 85      | 83.25    | V-L  | 6     | 83.25     |  | V-L   | A-6   | 84.00     |  | A-6   | 85.25     |  |
| 7   | 7     | 177     | 175.25   | V-H  | 7     | 175.25    |  | V-H   | 7     | 174.00    |  | 7     | 175.25    |  |
| 8   | 8     | 183     | 181.25   | V-H  | 8     | 181.25    |  | V-H   | 8     | 180.00    |  | 8     | 181.25    |  |
| 9   | 9     | 189     | 187.25   | V-H  | 9     | 187.25    |  | V-H   | 9     | 186.00    |  | 9     | 187.25    |  |
| 10  | 10    | 195     | 193.25   | V-H  | 10    | 193.25    |  | V-H   | 10    | 192.00    |  | 10    | 193.25    |  |
| 11  | 11    | 201     | 199.25   | V-H  | 11    | 199.25    |  | V-H   | 11    | 198.00    |  | 11    | 199.25    |  |
| 12  | 12    | 207     | 205.25   | V-H  | 12    | 205.25    |  | V-H   | 12    | 204.00    |  | 12    | 205.25    |  |
| 13  | 13    | 213     | 211.25   | V-H  | 13    | 211.25    |  | V-H   | 13    | 210.00    |  | 13    | 211.25    |  |
| 14  | 14    | 473     | 471.25   | UHF  | A     | 121.25    |  | MID   | A     | 120.00    |  | A     | 121.25    |  |
| 15  | 15    | 479     | 477.25   | UHF  | B     | 127.25    |  | MID   | B     | 126.00    |  | B     | 127.25    |  |
| 16  | 16    | 485     | 483.25   | UHF  | C     | 133.25    |  | MID   | C     | 132.00    |  | C     | 133.25    |  |
| 17  | 17    | 491     | 489.25   | UHF  | D     | 139.25    |  | MID   | D     | 138.00    |  | D     | 139.25    |  |
| 18  | 18    | 497     | 495.25   | UHF  | E     | 145.25    |  | MID   | E     | 144.00    |  | E     | 145.25    |  |
| 19  | 19    | 503     | 501.25   | UHF  | F     | 151.25    |  | MID   | F     | 150.00    |  | F     | 151.25    |  |
| 20  | 20    | 509     | 507.25   | UHF  | G     | 157.25    |  | MID   | G     | 156.00    |  | G     | 157.25    |  |
| 21  | 21    | 515     | 513.25   | UHF  | H     | 163.25    |  | MID   | H     | 162.00    |  | H     | 163.25    |  |
| 22  | 22    | 521     | 519.25   | UHF  | I     | 169.25    |  | MID   | I     | 168.00    |  | I     | 169.25    |  |
| 23  | 23    | 527     | 525.25   | UHF  | J     | 175.25    |  | SUPER | J     | 174.00    |  | J     | 175.25    |  |
| 24  | 24    | 533     | 531.25   | UHF  | K     | 181.25    |  | SUPER | K     | 180.00    |  | K     | 181.25    |  |
| 25  | 25    | 539     | 537.25   | UHF  | L     | 187.25    |  | SUPER | L     | 186.00    |  | L     | 187.25    |  |
| 26  | 26    | 545     | 543.25   | UHF  | M     | 193.25    |  | SUPER | M     | 192.00    |  | M     | 193.25    |  |
| 27  | 27    | 551     | 549.25   | UHF  | N     | 199.25    |  | SUPER | N     | 198.00    |  | N     | 199.25    |  |
| 28  | 28    | 557     | 555.25   | UHF  | O     | 205.25    |  | SUPER | O     | 204.00    |  | O     | 205.25    |  |
| 29  | 29    | 563     | 561.25   | UHF  | P     | 211.25    |  | SUPER | P     | 210.00    |  | P     | 211.25    |  |
| 30  | 30    | 569     | 567.25   | UHF  | Q     | 217.25    |  | SUPER | Q     | 216.00    |  | Q     | 217.25    |  |
| 31  | 31    | 575     | 573.25   | UHF  | R     | 223.25    |  | SUPER | R     | 222.00    |  | R     | 223.25    |  |
| 32  | 32    | 581     | 579.25   | UHF  | S     | 229.25    |  | SUPER | S     | 228.00    |  | S     | 229.25    |  |
| 33  | 33    | 587     | 585.25   | UHF  | T     | 235.25    |  | SUPER | T     | 234.00    |  | T     | 235.25    |  |
| 34  | 34    | 593     | 591.25   | UHF  | U     | 241.25    |  | SUPER | U     | 240.00    |  | U     | 241.25    |  |
| 35  | 35    | 599     | 597.25   | UHF  | V     | 247.25    |  | SUPER | V     | 246.00    |  | V     | 247.25    |  |
| 36  | 36    | 605     | 603.25   | UHF  | W     | 253.25    |  | SUPER | W     | 252.00    |  | W     | 253.25    |  |
| 37  | 37    | 611     | 609.25   | UHF  | AA    | 259.25    |  | HYPER | AA    | 258.00    |  | AA    | 259.25    |  |
| 38  | 38    | 617     | 615.25   | UHF  | BB    | 265.25    |  | HYPER | BB    | 264.00    |  | BB    | 265.25    |  |
| 39  | 39    | 623     | 621.25   | UHF  | CC    | 271.25    |  | HYPER | CC    | 270.00    |  | CC    | 271.25    |  |
| 40  | 40    | 629     | 627.25   | UHF  | DD    | 277.25    |  | HYPER | DD    | 276.00    |  | DD    | 277.25    |  |
| 41  | 41    | 635     | 633.25   | UHF  | EE    | 283.25    |  | HYPER | EE    | 282.00    |  | EE    | 283.25    |  |
| 42  | 42    | 641     | 639.25   | UHF  | FF    | 289.25    |  | HYPER | FF    | 288.00    |  | FF    | 289.25    |  |
| 43  | 43    | 647     | 645.25   | UHF  | GG    | 295.25    |  | HYPER | GG    | 294.00    |  | GG    | 295.25    |  |
| 44  | 44    | 653     | 651.25   | UHF  | HH    | 301.25    |  | HYPER | HH    | 300.00    |  | HH    | 301.25    |  |
| 45  | 45    | 659     | 657.25   | UHF  | II    | 307.25    |  | HYPER | II    | 306.00    |  | II    | 307.25    |  |
| 46  | 46    | 665     | 663.25   | UHF  | JJ    | 313.25    |  | HYPER | JJ    | 312.00    |  | JJ    | 313.25    |  |
| 47  | 47    | 671     | 669.25   | UHF  | KK    | 319.25    |  | HYPER | KK    | 318.00    |  | KK    | 319.25    |  |
| 48  | 48    | 677     | 675.25   | UHF  | LL    | 325.25    |  | HYPER | LL    | 324.00    |  | LL    | 325.25    |  |
| 49  | 49    | 683     | 681.25   | UHF  | MM    | 331.25    |  | HYPER | MM    | 330.00    |  | MM    | 331.25    |  |
| 50  | 50    | 689     | 687.25   | UHF  | NN    | 337.25    |  | HYPER | NN    | 336.00    |  | NN    | 337.25    |  |
| 51  | 51    | 695     | 693.25   | UHF  | OO    | 343.25    |  | HYPER | OO    | 342.00    |  | OO    | 343.25    |  |
| 52  | 52    | 701     | 699.25   | UHF  | PP    | 349.25    |  | HYPER | PP    | 348.00    |  | PP    | 349.25    |  |
| 53  | 53    | 707     | 705.25   | UHF  | QQ    | 355.25    |  | HYPER | QQ    | 354.00    |  | QQ    | 355.25    |  |
| 54  | 54    | 713     | 711.25   | UHF  | RR    | 361.25    |  | HYPER | RR    | 360.00    |  | RR    | 361.25    |  |
| 55  | 55    | 719     | 717.25   | UHF  | SS    | 367.25    |  | HYPER | SS    | 366.00    |  | SS    | 367.25    |  |
| 56  | 56    | 725     | 723.25   | UHF  | TT    | 373.25    |  | HYPER | TT    | 372.00    |  | TT    | 723.25    |  |
| 57  | 57    | 731     | 729.25   | UHF  | UU    | 379.25    |  | HYPER | UU    | 378.00    |  | UU    | 729.25    |  |
| 58  | 58    | 737     | 735.25   | UHF  | VV    | 385.25    |  | HYPER | VV    | 384.00    |  | VV    | 735.25    |  |
| 59  | 59    | 743     | 741.25   | UHF  | WW    | 391.25    |  | HYPER | WW    | 390.00    |  | WW    | 741.25    |  |
| 60  | 60    | 749     | 747.25   | UHF  | XX    | 397.25    |  | HYPER | XX    | 396.00    |  | XX    | 747.25    |  |
| 61  | 61    | 755     | 753.25   | UHF  | YY    | 403.25    |  | HYPER | YY    | 402.00    |  | YY    | 753.25    |  |
| 62  | 62    | 761     | 759.25   | UHF  | ZZ    | 409.25    |  | HYPER | ZZ    | 408.00    |  | ZZ    | 759.25    |  |
| 63  | 63    | 767     | 765.25   | UHF  | AAA   | 415.25    |  | HYPER | AAA   | 414.00    |  | AAA   | 765.25    |  |
| 64  | 64    | 773     | 771.25   | UHF  | BBB   | 421.25    |  | HYPER | BBB   | 420.00    |  | BBB   | 771.25    |  |
| 65  | 65    | 779     | 777.25   | UHF  | CCC   | 427.25    |  | ULTRA | CCC   | 426.00    |  | CCC   | 777.25    |  |
| 66  | 66    | 785     | 783.25   | UHF  | DDD   | 433.25    |  | ULTRA | DDD   | 432.00    |  | DDD   | 783.25    |  |
| 67  | 67    | 791     | 789.25   | UHF  | EEE   | 439.25    |  | ULTRA | EEE   | 438.00    |  | EEE   | 789.25    |  |
| 68  | 68    | 797     | 795.25   | UHF  | FFF   | 445.25    |  | ULTRA | FFF   | 444.00    |  | FFF   | 795.25    |  |
| 69  | 69    | 803     | 801.25   | UHF  | GGG   | 451.25    |  | ULTRA | GGG   | 450.00    |  | GGG   | 801.25    |  |

## 2. Product specifications

| OSD | CH NO | AIR     |          | BAND | CH NO | Cable STD | BAND  | CH NO | Cable HRC | CH NO | Cable IRC |
|-----|-------|---------|----------|------|-------|-----------|-------|-------|-----------|-------|-----------|
|     |       | Air-DTV | Air-NTSC |      |       |           |       |       |           |       |           |
| 70  | 70    |         |          |      | HHH   | 499.25    | ULTRA | HHH   | 498.00    | HHH   | 499.25    |
| 71  | 71    |         |          |      | III   | 505.25    | ULTRA | III   | 504.00    | III   | 505.25    |
| 72  | 72    |         |          |      | JJJ   | 511.25    | ULTRA | JJJ   | 510.00    | JJJ   | 511.25    |
| 73  | 73    |         |          |      | KKK   | 517.25    | ULTRA | KKK   | 516.00    | KKK   | 517.25    |
| 74  | 74    |         |          |      | LLL   | 523.25    | ULTRA | LLL   | 522.00    | LLL   | 523.25    |
| 75  | 75    |         |          |      | MMM   | 529.25    | ULTRA | MMM   | 528.00    | MMM   | 529.25    |
| 76  | 76    |         |          |      | NNN   | 535.25    | ULTRA | NNN   | 534.00    | NNN   | 535.25    |
| 77  | 77    |         |          |      | 000   | 541.25    | ULTRA | 000   | 540.00    | 000   | 541.25    |
| 78  | 78    |         |          |      | PPP   | 547.25    | ULTRA | PPP   | 546.00    | PPP   | 547.25    |
| 79  | 79    |         |          |      | 79    | 553.25    | ULTRA | 79    | 552.00    | 79    | 553.25    |
| 80  | 80    |         |          |      | 80    | 559.25    | ULTRA | 80    | 558.00    | 80    | 559.25    |
| 81  | 81    |         |          |      | 81    | 565.25    | ULTRA | 81    | 564.00    | 81    | 565.25    |
| 82  | 82    |         |          |      | 82    | 571.25    | ULTRA | 82    | 570.00    | 82    | 571.25    |
| 83  | 83    |         |          |      | 83    | 577.25    | ULTRA | 83    | 576.00    | 83    | 577.25    |
| 84  | 84    |         |          |      | 84    | 583.25    | ULTRA | 84    | 582.00    | 84    | 583.25    |
| 85  | 85    |         |          |      | 85    | 589.25    | ULTRA | 85    | 588.00    | 85    | 589.25    |
| 86  | 86    |         |          |      | 86    | 595.25    | ULTRA | 86    | 594.00    | 86    | 595.25    |
| 87  | 87    |         |          |      | 87    | 601.25    | ULTRA | 87    | 600.00    | 87    | 601.25    |
| 88  | 88    |         |          |      | 88    | 607.25    | ULTRA | 88    | 606.00    | 88    | 607.25    |
| 89  | 89    |         |          |      | 89    | 613.25    | ULTRA | 89    | 612.00    | 89    | 613.25    |
| 90  | 90    |         |          |      | 90    | 619.25    | ULTRA | 90    | 618.00    | 90    | 619.25    |
| 91  | 91    |         |          |      | 91    | 625.25    | ULTRA | 91    | 624.00    | 91    | 625.25    |
| 92  | 92    |         |          |      | 92    | 631.25    | ULTRA | 92    | 630.00    | 92    | 631.25    |
| 93  | 93    |         |          |      | 93    | 637.25    | ULTRA | 93    | 636.00    | 93    | 637.25    |
| 94  | 94    |         |          |      | 94    | 643.25    | ULTRA | 94    | 642.00    | 94    | 643.25    |
| 95  | 95    |         |          |      | A-5   | 91.25     | FM    | A-5   | 90.00     | A-5   | 91.25     |
| 96  | 96    |         |          |      | A-4   | 97.25     | FM    | A-4   | 96.00     | A-4   | 97.25     |
| 97  | 97    |         |          |      | A-3   | 103.25    | FM    | A-3   | 102.00    | A-3   | 103.25    |
| 98  | 98    |         |          |      | A-2   | 109.25    | MID   | A-2   | 108.00    | A-2   | 109.25    |
| 99  | 99    |         |          |      | A-1   | 115.25    | MID   | A-1   | 114.00    | A-1   | 115.25    |
| 100 | 100   |         |          |      | 100   | 649.25    | ULTRA | 100   | 648.00    | 100   | 649.25    |
| 101 | 101   |         |          |      | 101   | 655.25    | ULTRA | 101   | 654.00    | 101   | 655.25    |
| 102 | 102   |         |          |      | 102   | 661.25    | ULTRA | 102   | 660.00    | 102   | 661.25    |
| 103 | 103   |         |          |      | 103   | 667.25    | ULTRA | 103   | 666.00    | 103   | 667.25    |
| 104 | 104   |         |          |      | 104   | 673.25    | ULTRA | 104   | 672.00    | 104   | 673.25    |
| 105 | 105   |         |          |      | 105   | 679.25    | ULTRA | 105   | 678.00    | 105   | 679.25    |
| 106 | 106   |         |          |      | 106   | 685.25    | ULTRA | 106   | 684.00    | 106   | 685.25    |
| 107 | 107   |         |          |      | 107   | 691.25    | ULTRA | 107   | 690.00    | 107   | 691.25    |
| 108 | 108   |         |          |      | 108   | 697.25    | ULTRA | 108   | 696.00    | 108   | 697.25    |
| 109 | 109   |         |          |      | 109   | 703.25    | ULTRA | 109   | 702.00    | 109   | 703.25    |
| 110 | 110   |         |          |      | 110   | 709.25    | ULTRA | 110   | 708.00    | 110   | 709.25    |
| 111 | 111   |         |          |      | 111   | 715.25    | ULTRA | 111   | 714.00    | 111   | 715.25    |
| 112 | 112   |         |          |      | 112   | 721.25    | ULTRA | 112   | 720.00    | 112   | 721.25    |
| 113 | 113   |         |          |      | 113   | 727.25    | ULTRA | 113   | 726.00    | 113   | 727.25    |
| 114 | 114   |         |          |      | 114   | 733.25    | ULTRA | 114   | 732.00    | 114   | 733.25    |
| 115 | 115   |         |          |      | 115   | 739.25    | ULTRA | 115   | 738.00    | 115   | 739.25    |
| 116 | 116   |         |          |      | 116   | 745.25    | ULTRA | 116   | 744.00    | 116   | 745.25    |
| .   | .     |         |          |      | .     | .         | .     | .     | .         | .     | .         |
| .   | .     |         |          |      | .     | .         | .     | .     | .         | .     | .         |
| 125 | 125   |         |          |      | 125   | 799.25    | ULTRA | 125   | 798.00    | 125   | 799.25    |
| .   | .     |         |          |      | .     | .         | .     | .     | .         | .     | .         |
| .   | .     |         |          |      | .     | .         | .     | .     | .         | .     | .         |

## Display Modes



### ■ D-Sub Input

| Mode | Resolution    | Horizontal Frequency (kHz) | Vertical Frequency (Hz) | Pixel Clock Frequency (MHz) | Sync Polarity (H/V) |
|------|---------------|----------------------------|-------------------------|-----------------------------|---------------------|
| IBM  | 640 x 350     | 31.469                     | 70.086                  | 25.175                      | +/-                 |
|      | 720 x 400     | 31.469                     | 70.087                  | 28.322                      | -/+                 |
| VESA | 640 x 480     | 31.469                     | 59.940                  | 25.175                      | -/-                 |
|      | 640 x 480     | 37.861                     | 72.809                  | 31.500                      | -/-                 |
|      | 640 x 480     | 37.500                     | 75.000                  | 31.500                      | -/-                 |
|      | 800 x 600     | 37.879                     | 60.317                  | 40.000                      | +/+                 |
|      | 800 x 600     | 48.077                     | 72.188                  | 50.000                      | +/+                 |
|      | 800 x 600     | 46.875                     | 75.000                  | 49.500                      | +/+                 |
|      | 1024 x 768    | 48.363                     | 60.004                  | 65.000                      | -/-                 |
|      | 1024 x 768    | 56.476                     | 70.069                  | 75.000                      | -/-                 |
|      | 1024 x 768    | 60.023                     | 75.029                  | 78.750                      | +/+                 |
|      | 1280 x 1024   | 63.981                     | 60.020                  | 108.000                     | +/+                 |
|      | 1280 x 1024   | 79.976                     | 75.025                  | 135.000                     | +/+                 |
|      | 1360 x 768    | 47.712                     | 60.015                  | 85.500                      | +/+                 |
|      | 1680 x 1050RB | 64.674                     | 59.883                  | 119.000                     | +/-                 |

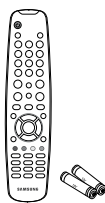
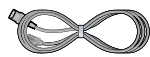

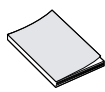

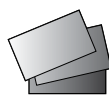

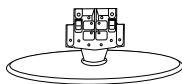
### ■ HDMI/DVI Input

| Mode | Resolution    | Horizontal Frequency (kHz) | Vertical Frequency (Hz) | Pixel Clock Frequency (MHz) | Sync Polarity (H/V) |
|------|---------------|----------------------------|-------------------------|-----------------------------|---------------------|
| VESA | 640 x 480     | 31.469                     | 59.940                  | 25.175                      | -/-                 |
|      | 800 x 600     | 37.879                     | 60.317                  | 40.000                      | +/+                 |
|      | 1024 x 768    | 48.363                     | 60.004                  | 65.000                      | -/-                 |
|      | 1280 x 1024   | 63.981                     | 60.020                  | 108.000                     | +/+                 |
|      | 1360 x 768    | 47.712                     | 60.015                  | 85.500                      | +/+                 |
|      | 1680 x 1050RB | 64.674                     | 59.883                  | 119.000                     | +/-                 |

## 2-3. Spec Comparison to the Old Models

| Model                  | Coral(LN32/37A450C1)  | Jasmin(LA26/32/37S86B)   |
|------------------------|---|--|
| Design                 |    |   |
| Display Type           | LCD TV  | LCD TV   |
| Built-in Tuner         | O   | O  |
| Resolution             | 1366 x 768  | 1366 x 768   |
| LCD Panel              | TFT LCD Panel 50Hz  | TFT LCD Panel 50Hz   |
| Screen Size            | 32"/37"   | 26"/32"/37"  |
| Picture ratio          | 16 : 9  | 16 : 9   |
| Dimensions (W x H x D) | 32 31.48 x 9.92 x 22.70 inches_with stand<br>31.48 x 3.11 x 20.68 inches_without stand<br>37 36.08 x 11.81 x 25.91 inches_with stand<br>36.08 x 3.22 x 23.66 inches_without stand | 26 29.29 x 9.13 x 19.94 inches_with stand<br>29.29 x 3.18 x 17.61 inches_without stand<br>32 34.42 x 11.47 x 22.72 inches_with stand<br>34.42 x 3.18 x 20.90 inches_without stand<br>37 39.90 x 11.81 x 25.65 inches_with stand<br>39.90 x 3.65 x 23.71 inches_without stand |
| Weight                 | 32 28.87 lbs<br>37 40.33 lbs  | 26 23.14 lbs<br>32 30.86 lbs<br>37 45.18 lbs   |
| Brightness             | 450 nit   | 500 nit  |
| Contrast Ratio         | 10000:1   | 8000:1   |
| Picture Enhacer        | DNle (FBE3)   | DNle (FBE2)  |
| Equalizer              | O   | O  |
| Auto Motion Plus 100Hz | X   | X  |
| Surround Sound         | 3 Way SRS TruSurround Dolby Digital   | 2 Way SRS TruSurround Dolby Digital  |
| Speaker Output         | 5W + 5W ( 26" ) / 10W + 10W ( 32",37" )   | 10W + 10W  |
| Antenna                | 1   | 1  |

## 2-4. Accessories

| Product   | Description   | Code. No  | Remark                                |
|---|---|---|---------------------------------------|
|    | Remote Control & Batteries<br>(AAA x 2)   | BN59-00687A (Latin America except Brazil)<br>BN59-00690A (Brazil) | Samsung Electronics<br>Service center |
|    | Power Cord  | 3903-00145  |                                       |
|    | Cover-Bottom  | BN63-04269B 32"<br>BN63-03665B 37"                                |                                       |
|    | Owner's Instructions  | BN68-01395E (Latin America except Brazil)<br>BN68-01395J (Brazil) |                                       |
|    | Cleaning Cloth  | BN63-01798A   |                                       |
|  | Warranty Card / Registration Card / Safety Guide Manual<br>(Not available in all locations) | BN68-01420A   |                                       |
|  | Stand Screw x 4   | 6002-001294   |                                       |
|  | Stand   | BN90-01511A   |                                       |

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**Memo**







### 3. Disassembly and Reassemble

This section of the service manual describes the disassembly and reassembly procedures for the LN32A450C1X LCD TV.

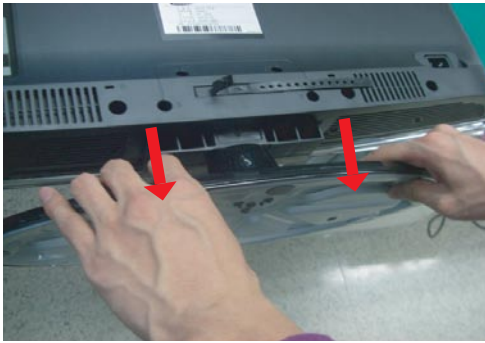
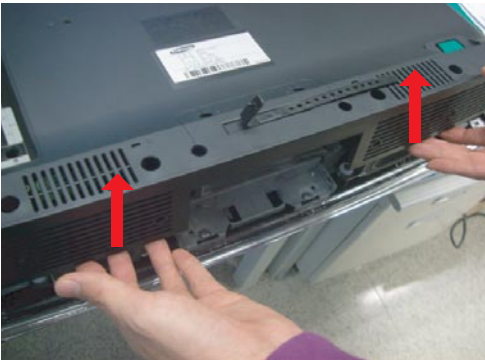
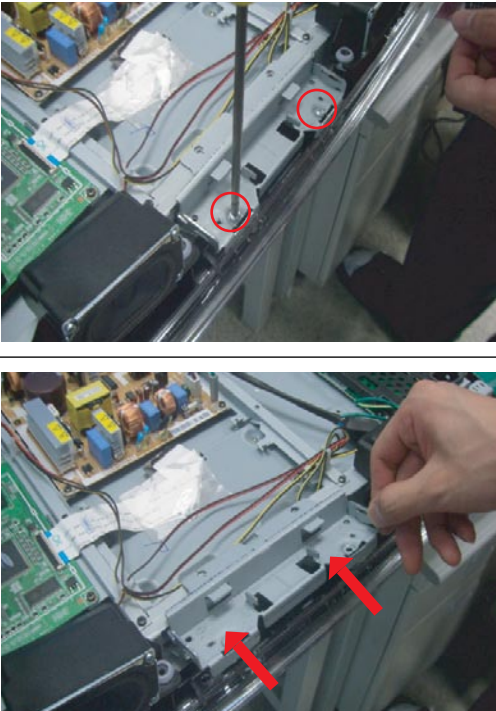
**⚠ WARNING:** This monitor contains electrostatically sensitive devices. Use caution when handling these components.

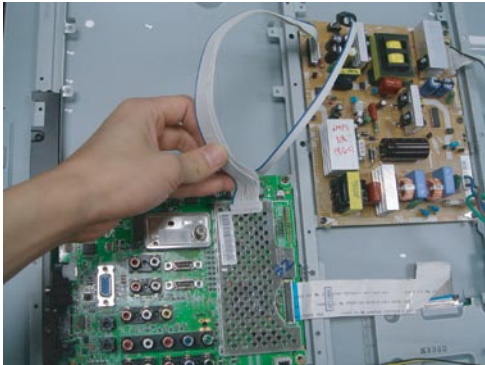





#### 3-1. Disassembly

- ⚠ 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.

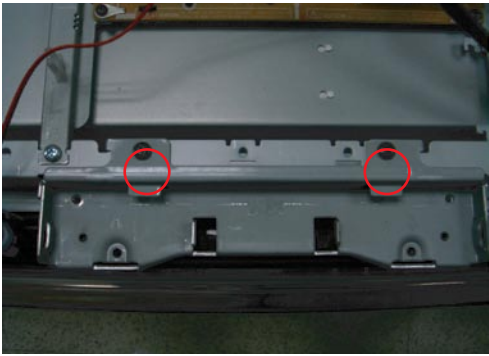





| Description  | Picture Description  | Screws  |
|--|--|---|
| 1. Place monitor face down on cushioned table.<br>Remove the screws from the Stand.<br>Remove stand. |    |   |
|  |   |   |
|  |  | <br>○ x4 |








### 3. Disassembly and Reassemble

| Description   | Picture Description  | Screws |
|---|--|--------|
| 2. Lift up rear cover and remove the stand.                     |    |        |
|   |    |        |
| 3. Remove Screw from the stand BRKT and lift up the stand BRKT. |  |        |

| Description  | Picture Description  | Screws   |
|--|--|--|
| 4. Disonnect cable from the boards.                            |    |  |
| 5. Remove the screws of Scaler board's shield case and boards. |   | <br> |
| 6. Remove screws and Lift up the Lod panel.                    | <br> |  |

### 3. Disassembly and Reassemble

| Description  | Picture Description  | Screws   |
|--|--|--|
| <p>7. Remove the screws of Stand BKLT.<br/>Lift up the Stand BKLT.</p>                                       |    | <br>○ x 2   |
| <p>8. Remove the Bracket of Boards.</p>  |    | <br>□ x 6<br><br>○ x 6 |
| <p>* Caution : Don't force yourself on wall mount bracket during disassembly.<br/>It may be deformation.</p> |  |  |

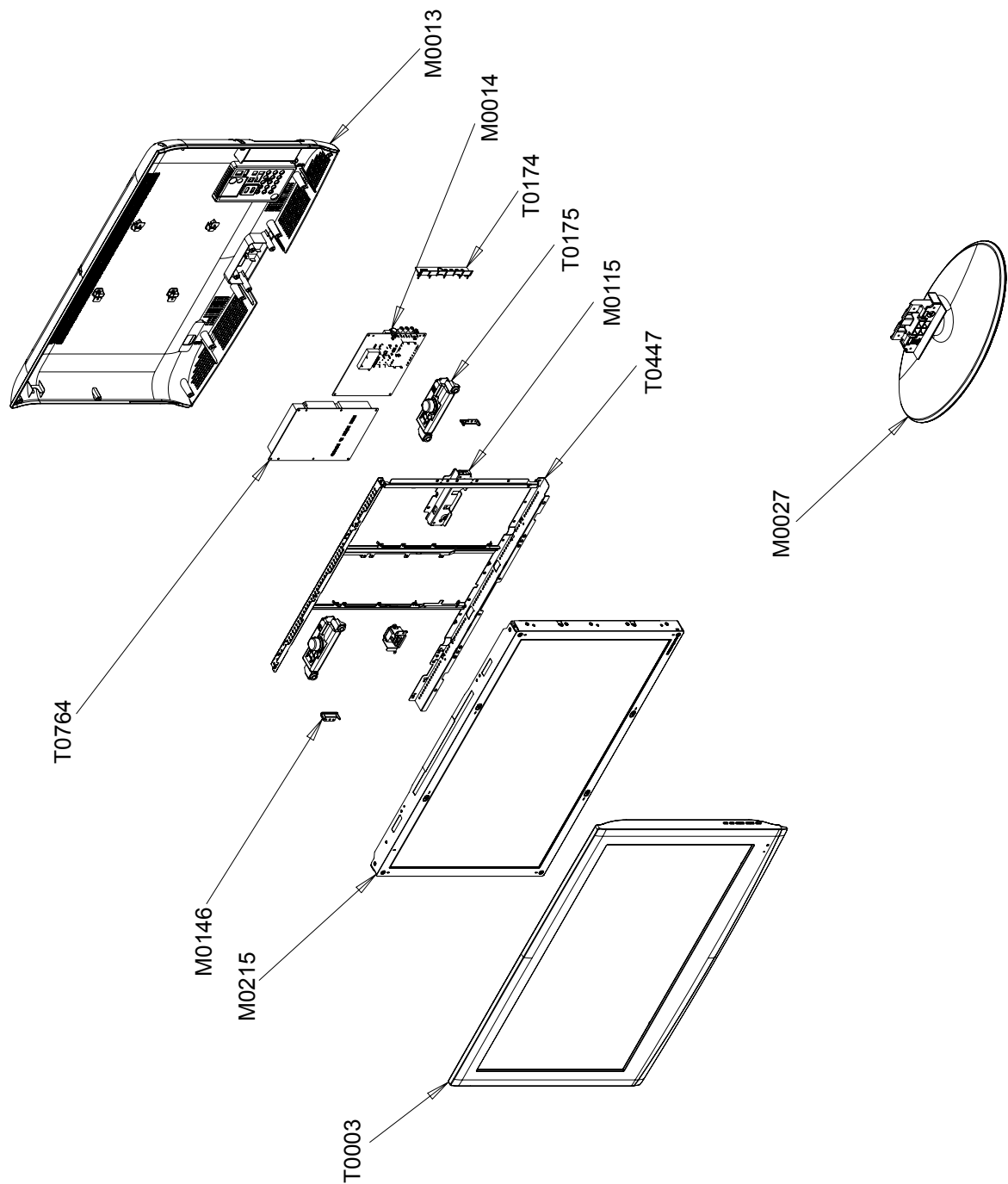
| Description                    | Picture Description  | Screws   |
|--------------------------------|--|--|
| 9. Remove the screws on Panel. |    | <br>○ x 4<br><br>□ x 2 |
|                                | <br> | <br>○ x 3   |
|                                |   |  |

※ Reassembly procedures are in the reverse order of disassembly procedures.

## **Memo**

5. Exploded View & Part List

5-1. LN32A450C1X Exploded View

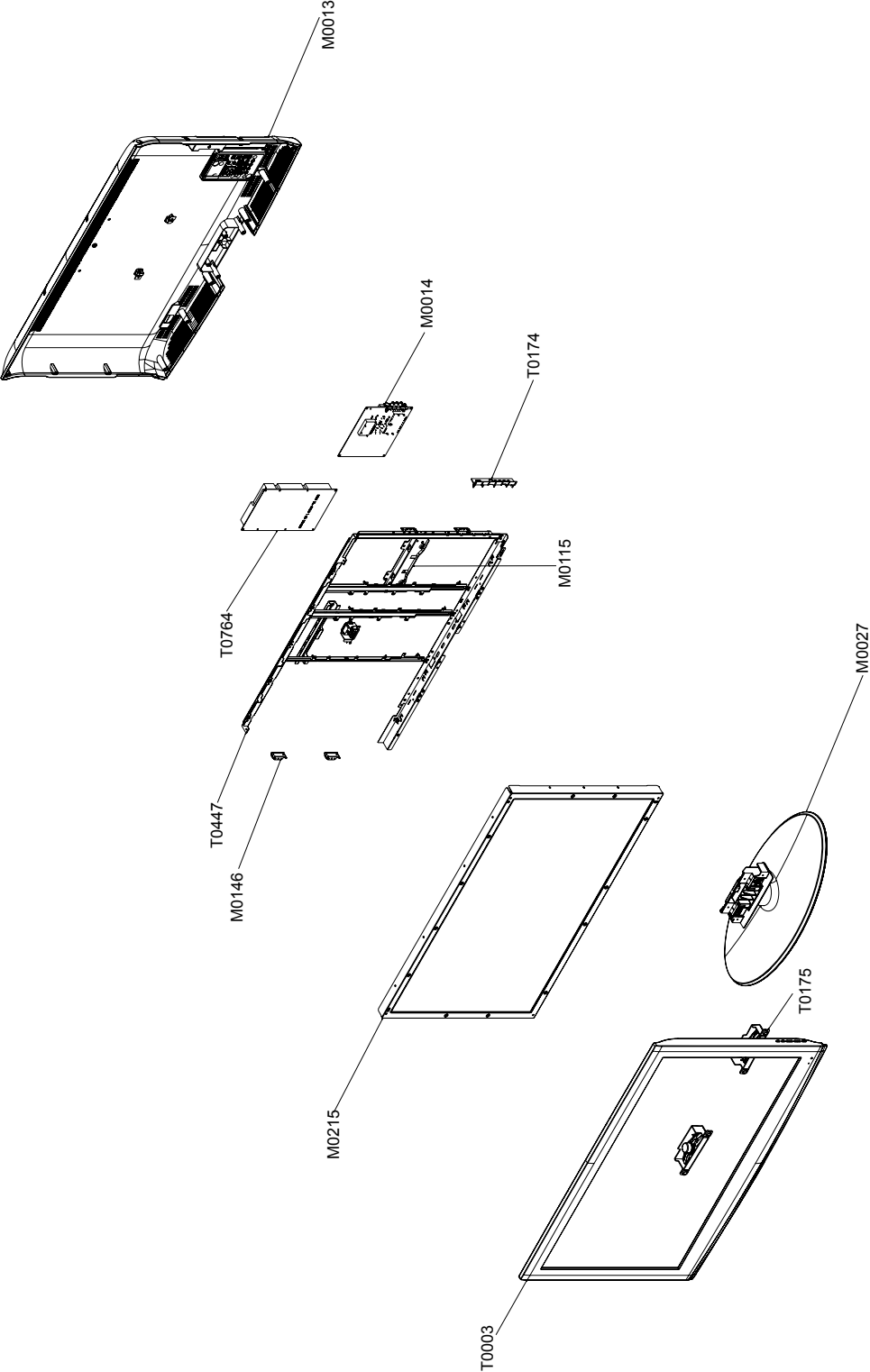


**5-1-2. LN32A450C1X Parts List**

| Location No. | Code No.    | Description & Specification              | Q'ty | S.A/S.N.A | Remark |
|--------------|-------------|--|------|-----------|--------|
| T0003        | BN96-06784H | ASSY COVER P-FRONT;32L450,LO,ABS+PMMA,HB | 1    | S.A       |        |
| M0215        | BN07-00521A | LCD-PANEL;LTF320AA01                     | 1    | S.A       |        |
| T0175        | BN96-06818E | ASSY SPEAKER P;8ohm,CORAL,L450,10W,400/2 | 1    | S.A       |        |
| T0447        | BN96-06958A | ASSY BRACKET P-PANEL;32L450,AM,CMO,AUO,, | 1    | S.N.A     |        |
| M0014        | BN94-01713E | ASSY PCB MAIN;LN32A450C1XZD              | 1    | S.A       |        |
| M0254        | BN61-03699B | HOLDER-SIDE AV;32L450,-,-,-,-,BN61-036   | 1    | S.N.A     |        |
| M0115        | BN61-02947A | BRACKET-STAND LINK;JASMINE 32",SECC,T1.6 | 1    | S.A       |        |
| T0101        | BN61-03348A | BRACKET-WALL;LCD TV 32,SECC T1.2,-,-,-,- | 4    | S.N.A     |        |
| M0013        | BN96-06462C | ASSY COVER P-REAR;32L450,SO,HIPS,HB,BK50 | 1    | S.A       |        |
| M0027        | BN96-07211A | ASSY STAND P-BASE;32L450,W/W,ABS+PMMA,HB | 1    | S.A       |        |



5-2. LN37A350C1X Exploded View



**5-2-1. LN37A350C1X Parts List**

| Location No. | Code No.    | Description & Specification              | Q'ty | S.A/S.N.A | Remark |
|--------------|-------------|--|------|-----------|--------|
| T0003        | BN96-06785F | ASSY COVER P-FRONT;37L450,LO,ABS+PMMA,HB | 1    | S.A       |        |
| M0215        | BN07-00507A | LCD-PANEL;CLAA370WF02S                   | 1    | S.A       |        |
| T0447        | BN96-06959A | ASSY BRACKET P-PANEL;37L450,CPT,AUO,,SEC | 1    | S.N.A     |        |
| M0027        | BN96-06259A | ASSY STAND P-BASE;37,40L450,,ABS+PMMA,HB | 1    | S.A       |        |
| M0115        | BN61-02882A | BRACKET-STAND LINK;TULIP,40,SECC,T1.6,-, | 1    | S.N.A     |        |
| M0146        | BN61-03684B | BRACKET-PANEL TOP;L450 37INCH,SECC,T1.0  | 1    | S.N.A     |        |
| T0175        | BN96-06818A | ASSY SPEAKER P;8ohm,CORAL,LCD,PDP,10W,4p | 1    | S.A       |        |
| M0014        | BN94-01713Q | ASSY PCB MAIN;LN37A450C1*,CORAL          | 1    | S.A       |        |
| M0013        | BN96-06789B | ASSY COVER P-REAR;37L450,SO,HIPS,HB,BK50 | 1    | S.A       |        |

### 5-3. LN32A450C1X Parts List

| Level | Location No. | Code No.      | Description & Specification               | Q'ty | SA/SNA | Remark |
|-------|--------------|---------------|---|------|--------|--------|
|       |              | LN32A450C1XZP | LN32A450C1,N55A/32AC1-GCR,32,LCD-TV,PANA  | 0    |        |        |
| 0.1   | M0001        | BN90-01501H   | ASSY COVER FRONT;32L450,LO                | 1    | S.N.A  |        |
| ..2   | T0003        | BN96-06784H   | ASSY COVER P-FRONT;32L450,LO,ABS+PMMA,HB  | 1    | S.A    |        |
| ...3  | M0081        | 6003-001188   | SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S  | 1    | S.N.A  |        |
| ...3  | M0081        | 6003-001188   | SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S  | 2    | S.N.A  |        |
| ...3  | M0279        | AA63-01637A   | FELT;50P9,FELT,0.5,10,80                  | 1    | S.N.A  |        |
| ...3  | CCM1         | BN63-02183F   | COVER-SHEET;Rhcm,PE Vinyl,T0.05,900mm,20  | 0.74 | S.N.A  |        |
| ...3  | M0112        | BN63-04166H   | COVER-FRONT;32L450,LO,ABS+PMMA,-,-,-,HB,  | 1    | S.N.A  |        |
| ...3  | T0059        | BN64-00379A   | INDICATOR LED;ROME-II,23,PC,CLEAR         | 1    | S.N.A  |        |
| ...3  | T0061        | BN64-00453A   | WINDOW-REMOCON;32R71,PC,V0,VIOLET,DIFFUS  | 1    | S.N.A  |        |
| ...3  | T0022        | BN64-00755A   | KNOB-CONTROL;32L450,ABS,V0,BK07           | 1    | S.N.A  |        |
| ...3  | D/BOTTOM     | BN64-00756A   | DECORATION-BOTTOM;L450 32INCH,PC,-,-,-,-  | 1    | S.N.A  |        |
| ...3  | T0069        | BP60-00015R   | SPACER-FELT;L450,FELT,L710,BLK,T0.35,W10  | 2    | S.N.A  |        |
| ...3  | T0069        | BP60-00015S   | SPACER-FELT;L450 32",FELT,L410,BLK,T0.35  | 2    | S.N.A  |        |
| ...3  | M0146        | BN96-07270J   | ASSY BOARD P-POWER & IR;CORAL,POWER & IR  | 1    | S.A    |        |
| ...3  | M0145        | BN96-07269A   | ASSY BOARD P-FUNCTION;LN40A450C1D,CT5000  | 1    | S.A    |        |
| ...3  | A/HBOSS      | BN96-06794A   | ASSY HOLDER P-BOSS;32L450,UO,HIPS,V0,,BK  | 1    | S.N.A  |        |
| ....4 | H/BOSS       | BN61-03675A   | HOLDER-BOSS BOTTOM;32L450,UO,HIPS,V0,-,-  | 1    | S.N.A  |        |
| ....4 |              | BN61-03261B   | BOSS-TAPE;Tulip,ACRYL,T1.1,W20mm,GRAY,TA  | 0.57 | S.N.A  |        |
| ..2   | T0175        | BN96-06818E   | ASSY SPEAKER P;8ohm,CORAL,L450,10W,400/2  | 1    | S.A    |        |
| 0.1   | M0002        | BN90-01506C   | ASSY COVER REAR;32L450,SO                 | 1    | S.N.A  |        |
| ..2   | T0081        | 6002-001294   | SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)       | 1    | S.A    |        |
| ..2   | T0081        | 6002-001294   | SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)       | 11   | S.A    |        |
| ..2   | M0013        | BN96-06462C   | ASSY COVER P-REAR;32L450,SO,HIPS,HB,BK50  | 1    | S.A    |        |
| ...3  | M0081        | 6003-001188   | SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S  | 4    | S.N.A  |        |
| ...3  | T0101        | BN61-03348A   | BRACKET-WALL;LCD TV 32,SECC T1.2,-,-,-,-  | 4    | S.N.A  |        |
| ...3  | M0006        | BN63-04172C   | COVER-REAR;32L450,SO,HIPS,HB,BK500        | 1    | S.N.A  |        |
| ...3  | T0071        | BN64-00760A   | INLAY-TERMINAL;L450,SO,PS SHEET,T0.5,104  | 1    | S.N.A  |        |
| ...3  | T0064        | BN65-00002A   | CLAMPER CORE;BORDEAUX,LDPE,-,-,BLK,-      | 1    | S.N.A  |        |
| ...3  | T0069        | AA60-00091J   | SPACER-FELT;- ,FELT,330X10,-,-,BLK,T0.5,- | 2    | S.N.A  |        |
| ..2   | M0081        | 6003-000115   | SCREW-TAPTITE;BH,+ ,B,M3,L6,ZPC(BLK),SWRC | 1    | S.A    |        |
| 0.1   | M0216        | BN90-01580A   | ASSY STAND;32L450,W/W                     | 1    | S.N.A  |        |
| ..2   | T0524        | 6902-000241   | BAG PE;NITRON/HDPE,T0.5/T0.012,W600,L600  | 1    | S.N.A  |        |
| ..2   | M0027        | BN96-07211A   | ASSY STAND P-BASE;32L450,W/W,ABS+PMMA,HB  | 1    | S.A    |        |
| ...3  | T0081        | 6002-001294   | SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)       | 4    | S.A    |        |
| ...3  | M0081        | 6003-001239   | SCREW-TAPTITE;FH,+,-,B,M4,L10,ZPC(WHT),S  | 4    | S.A    |        |
| ...3  | H/SWIVEL     | BN61-02232A   | HOLDER-SWIVEL RING;32R71,ACETAL NATUAL,N  | 1    | S.N.A  |        |
| ...3  | HOLDER/S     | BN61-02233A   | HOLDER-SWIVEL RING;32R71,ACETAL NATUAL,N  | 1    | S.N.A  |        |
| ...3  | B/HSWIVEL    | BN61-02236A   | BRACKET-HINGE SWIVEL;BORDEAUX 32,SECC,T1  | 1    | S.N.A  |        |
| ...3  | B/SBOTTOM    | BN61-02942A   | BRACKET-STAND BOTTOM;32,BORDEAUX PLUS,SE  | 1    | S.N.A  |        |
| ...3  | T0920        | BN61-03679A   | GUIDE-STAND;32L450,PC+GF 20%,-,-,-,BK500  | 1    | S.N.A  |        |
| ...3  | CCM1         | BN63-02183D   | COVER-SHEET;Rhcm,PE Vinyl,T0.05,680mm,20  | 0.4  | S.N.A  |        |
| ...3  | T0004        | BN63-03102A   | COVER-STAND BASE;32R81,ABS+PMMA,-,-,-,HB  | 1    | S.N.A  |        |
| ...3  | M0126        | BN73-00052C   | RUBBER-FOOT;LCD TV,CR RUBBER,T2.0 DIA19,  | 4    | S.N.A  |        |
| 0.1   | A/LCD        | BN91-01985A   | ASSY LCD-AMLCD;LN32A450C1DXZA, LTF320AA0  | 1    | S.N.A  |        |

## 5. Exploded View & Part List

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| .2    | M0215        | BN07-00521A | LCD-PANEL;LTF320AA01                     | 1    | S.A    |        |
|       |              |             |  |      |        |        |
| 0.1   | M0112        | BN91-02200B | ASSY SHIELD;LN32A450C1XZD                | 1    | S.N.A  |        |
| .2    | M0081        | 6003-000115 | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC | 4    | S.A    |        |
| .2    | M0081        | 6003-000115 | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC | 6    | S.A    |        |
| .2    | M0081        | 6003-000337 | SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR | 4    | S.A    |        |
| .2    | M0081        | 6003-001188 | SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S | 2    | S.N.A  |        |
| .2    | M0081        | 6003-001188 | SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S | 2    | S.N.A  |        |
| .2    | M0081        | 6003-001188 | SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S | 8    | S.N.A  |        |
| .2    | M0081        | 6003-001439 | SCREW-TAPTITE;BH,+,-,S,M4,L8,ZPC(WHT),SW | 1    | S.N.A  |        |
| .2    | M2893        | BN39-00603L | LEAD CONNECTOR;LE32R73BDX,UL1007#26,14P, | 1    | S.A    |        |
| .2    | M0258        | BN39-00615Q | CBF HARNESS-INLET SOCKET;LN40A450C1D,UL1 | 1    | S.A    |        |
| .2    | M2893        | BN39-00789A | LEAD CONNECTOR;LA46F71BX,UL1007#26,UL100 | 1    | S.A    |        |
| .2    | M2893        | BN39-00802G | LEAD CONNECTOR;SPD-63P71FHD,UL1617#22,24 | 1    | S.A    |        |
| .2    | T0764        | BN44-00209A | SMPS-LCDTV;MK32P5B,SEM,AC/DC,137W,AC100  | 1    | S.A    |        |
| .2    | M0115        | BN61-02947A | BRACKET-STAND LINK;JASMINE 32",SECC,T1.6 | 1    | S.A    |        |
| .2    | M0146        | BN61-03265A | BRACKET-PANEL SIDE;JASMINE,SECC 1.2,AMLC | 2    | S.N.A  |        |
| .2    | M0254        | BN61-03699B | HOLDER-SIDE AV;32L450,-,-,-,-,BN61-036   | 1    | S.N.A  |        |
| .2    | T0447        | BN96-06958A | ASSY BRACKET P-PANEL;32L450,AM,CMO,AUO,, | 1    | S.N.A  |        |
| ...3  | M0131        | AA63-01236A | GASKET;FIRENZE,Conductive Fabric,3mm,12m | 1    | S.N.A  |        |
| ...3  | M0131        | AA63-01401A | GASKET;LE40R71BX,Conductive Fabric,22mm, | 2    | S.N.A  |        |
| ...3  | M0131        | AA63-01437A | GASKET;Bordeaux,Conductive Fabric,20mm,9 | 1    | S.N.A  |        |
| ...3  | M0146        | BN61-03678A | BRACKET-PANEL TOP;32L450,SECC,T1.0,-,-,- | 1    | S.N.A  |        |
| ...3  | B/GMAIN      | BN61-03683A | BRACKET-GUIDE MAIN;L450 32INCH,SECC,T1.0 | 1    | S.N.A  |        |
| ...3  | B/PBOTTOM    | BN61-03685A | BRACKET-PANEL BOTTOM;L450 32INCH,SECC,T1 | 1    | S.N.A  |        |
| ...3  | B/GPRIGHT    | BN61-03686A | BRACKET-GUIDE POWER;L450 32INCH,SECC,T1. | 1    | S.N.A  |        |
| ...3  | B/GPLEFT     | BN61-03691A | BRACKET-GUIDE POWER;L450 32INCH,SECC,T1. | 1    | S.N.A  |        |
| ...3  | M0081        | 6003-000115 | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC | 2    | S.A    |        |
| ...3  | M0081        | 6003-000115 | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC | 2    | S.A    |        |
| ...3  | M0081        | 6003-000115 | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC | 2    | S.A    |        |
| .2    | M0214        | BN96-07158Y | ASSY CABLE P-FLAT;CORAL(emerging_32_ne,F | 1    | S.A    |        |
| .2    | M0114        | BN61-02500A | HOLDER-WIRE;NYLON6.6,NATURAL             | 3    | S.N.A  |        |
|       |              |             |  |      |        |        |
| 0.1   | M0017        | BN91-02201B | ASSY CHASSIS;LN32A450C1XZD               | 1    | S.N.A  |        |
| .2    | M0014        | BN94-01713E | ASSY PCB MAIN;LN32A450C1XZD              | 1    | S.A    |        |
| ...3  | T0245        | 0202-001608 | SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0. | 0.25 | S.N.A  |        |
| ...3  | JA3003_3H    | 3701-001388 | CONNECTOR-HDMI;20P,Phosphor Bronze,ANGLE | 1    | S.A    |        |
| ...3  | JA3004_OP    | 3701-001480 | CONNECTOR-DSUB;15P,3R,FEMALE,STAMPED PIN | 1    | S.A    |        |
| ...3  | CN330        | 3711-000012 | HEADER-BOARD TO CABLE;BOX,4P,1R,2.5MM,ST | 1    | S.A    |        |
| ...3  | CN330        | 3711-003846 | HEADER-BOARD TO CABLE;BOX,8P,1R,2mm,ANGL | 1    | S.A    |        |
| ...3  | CN330        | 3711-004379 | HEADER-BOARD TO CABLE;BOX,4P,1R,2mm,STRA | 1    | S.A    |        |
| ...3  | CN330        | 3711-004484 | HEADER-BOARD TO CABLE;BOX,5P,1R,2mm,STRA | 1    | S.A    |        |
| ...3  | CN330        | 3711-004484 | HEADER-BOARD TO CABLE;BOX,5P,1R,2mm,STRA | 1    | S.A    |        |
| ...3  | CN330        | 3711-005842 | HEADER-BOARD TO CABLE;BOX,24P,2R,2MM,STR | 1    | S.A    |        |
| ...3  | JA330        | 3722-001055 | JACK-PHONE;5P/2C,AG,BLK,ANGLE            | 1    | S.A    |        |
| ...3  | JA330        | 3722-001061 | JACK-PHONE;1P,3.6PI,AG,BLK,N             | 1    | S.A    |        |
| ...3  | JA330        | 3722-001061 | JACK-PHONE;1P,3.6PI,AG,BLK,N             | 1    | S.A    |        |
| ...3  | JA333        | 3722-002143 | JACK-PIN;5P,NI,GRN/BLU/RED/WHT/RED,STRAI | 1    | S.A    |        |
| ...3  | CN3214       | 3722-002275 | JACK-DIN;4P,-,SN,BLK,-                   | 1    | S.A    |        |
| ...3  | JA333        | 3722-002691 | JACK-PIN;2P,NI,WHT/RED,STRAIGHT          | 1    | S.A    |        |
| ...3  | JA333        | 3722-002691 | JACK-PIN;2P,NI,WHT/RED,STRAIGHT          | 1    | S.A    |        |

| Level | Location No. | Code No.    | Description & Specification              | Q'ty  | SA/SNA | Remark |
|-------|--------------|-------------|--|-------|--------|--------|
| ...3  | JA333        | 3722-002691 | JACK-PIN;2P,Ni,WHT/RED,STRAIGHT          | 1     | S.A    |        |
| ...3  | JA333        | 3722-002703 | JACK-PIN;3P,Ni,GRN/BLU/RED,STRAIGHT      | 1     | S.A    |        |
| ...3  | JA333        | 3722-002704 | JACK-PIN;3P,Sn,YEL/WHT/RED,ANGLE         | 1     | S.A    |        |
| ...3  | CIS3         | BN40-00113A | TUNER;HTM-6M/13F2S,HTM-6M/13F2S,PAL M,18 | 1     | S.A    |        |
| ...3  | M0107        | BN63-04527A | SHIELD-COVER;450 EO,SPTE,T0.3,PAL REFLE  | 1     | S.N.A  |        |
| ...3  | T0174        | BN97-02099E | ASSY SMD;LN32A450C1XZD                   | 1     | S.N.A  |        |
| ....4 | SUB05        | 0202-001477 | SOLDER-CREAM;LST309-M,-,D20~45##,96.5Sn/ | 2.235 | S.N.A  |        |
| ....4 | D2002        | 0401-000133 | DIODE-SWITCHING;RLS4148,75V,150mA,LL-34, | 1     | S.A    |        |
| ....4 | D2003        | 0401-000133 | DIODE-SWITCHING;RLS4148,75V,150mA,LL-34, | 1     | S.A    |        |
| ....4 | D2004        | 0401-000133 | DIODE-SWITCHING;RLS4148,75V,150mA,LL-34, | 1     | S.A    |        |
| ....4 | D2009        | 0401-000133 | DIODE-SWITCHING;RLS4148,75V,150mA,LL-34, | 1     | S.A    |        |
| ....4 | D2012        | 0401-000133 | DIODE-SWITCHING;RLS4148,75V,150mA,LL-34, | 1     | S.A    |        |
| ....4 | D2019        | 0401-000133 | DIODE-SWITCHING;RLS4148,75V,150mA,LL-34, | 1     | S.A    |        |
| ....4 | D1004        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3003        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3004        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3006        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3007        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3008        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3009        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3010        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3011        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3012        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3013        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3016        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3017        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3019        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3021        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3022        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3023        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3024        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3025        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3026        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3027        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3030_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3031_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3034_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3035_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3036_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3037_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3038_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3039_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3040_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3041_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3045        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3046        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3047        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3061        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3062        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3064        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3066        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |

## 5. Exploded View & Part List

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ....4 | D3202        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3203        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3204        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3205_PAD    | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3206        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3217        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3218        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3219        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3230        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3236        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D5002        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D5003        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D2001        | 0401-001099 | DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3 | 1    | S.A    |        |
| ....4 | D3063        | 0401-001099 | DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3 | 1    | S.A    |        |
| ....4 | D3065        | 0401-001099 | DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3 | 1    | S.A    |        |
| ....4 | D3067        | 0401-001099 | DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3 | 1    | S.A    |        |
| ....4 | D3077        | 0401-001099 | DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3 | 1    | S.A    |        |
| ....4 | D3079        | 0401-001099 | DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3 | 1    | S.A    |        |
| ....4 | D3080_3H     | 0401-001099 | DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3 | 1    | S.A    |        |
| ....4 | D3244        | 0401-001099 | DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3 | 1    | S.A    |        |
| ....4 | D2008        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3020        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3033_3H     | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3048        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3049        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3050        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3051        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3052        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3070        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3074        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D5001        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3002        | 0403-000771 | DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3015        | 0403-000771 | DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3029_3H     | 0403-000771 | DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3042        | 0403-000771 | DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD | 1    | S.A    |        |
| ....4 | D5008        | 0403-000771 | DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3001        | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2 | 1    | S.A    |        |
| ....4 | D3014        | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2 | 1    | S.A    |        |
| ....4 | D3028_3H     | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2 | 1    | S.A    |        |
| ....4 | D3208        | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2 | 1    | S.A    |        |
| ....4 | D5201        | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2 | 1    | S.A    |        |
| ....4 | D1005        | 0403-001425 | DIODE-ZENER;BZX84C33,31-35V,350mW,SOT-23 | 1    | S.A    |        |
| ....4 | D0254        | 0404-001020 | DIODE-SCHOTTKY;BAT54C,30V,200mA,SOT-23,T | 1    | S.A    |        |
| ....4 | D3053        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3054        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3055        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3056        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3057        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3058        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3068        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3069        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ....4 | D3213        | 0406-001172 | DIODE-TV;CDS3C30GTH,48/-/50V,SMD         | 1    | S.A    |        |
| ....4 | D3215        | 0406-001172 | DIODE-TV;CDS3C30GTH,48/-/50V,SMD         | 1    | S.A    |        |
| ....4 | D3223        | 0406-001172 | DIODE-TV;CDS3C30GTH,48/-/50V,SMD         | 1    | S.A    |        |
| ....4 | D3224        | 0406-001172 | DIODE-TV;CDS3C30GTH,48/-/50V,SMD         | 1    | S.A    |        |
| ....4 | D3225        | 0406-001172 | DIODE-TV;CDS3C30GTH,48/-/50V,SMD         | 1    | S.A    |        |
| ....4 | D3226        | 0406-001172 | DIODE-TV;CDS3C30GTH,48/-/50V,SMD         | 1    | S.A    |        |
| ....4 | D3227        | 0406-001172 | DIODE-TV;CDS3C30GTH,48/-/50V,SMD         | 1    | S.A    |        |
| ....4 | D3231        | 0406-001172 | DIODE-TV;CDS3C30GTH,48/-/50V,SMD         | 1    | S.A    |        |
| ....4 | D3232        | 0406-001172 | DIODE-TV;CDS3C30GTH,48/-/50V,SMD         | 1    | S.A    |        |
| ....4 | D3233        | 0406-001172 | DIODE-TV;CDS3C30GTH,48/-/50V,SMD         | 1    | S.A    |        |
| ....4 | D3237        | 0406-001172 | DIODE-TV;CDS3C30GTH,48/-/50V,SMD         | 1    | S.A    |        |
| ....4 | D3238        | 0406-001172 | DIODE-TV;CDS3C30GTH,48/-/50V,SMD         | 1    | S.A    |        |
| ....4 | D3239        | 0406-001172 | DIODE-TV;CDS3C30GTH,48/-/50V,SMD         | 1    | S.A    |        |
| ....4 | D3240        | 0406-001172 | DIODE-TV;CDS3C30GTH,48/-/50V,SMD         | 1    | S.A    |        |
| ....4 | D2013        | 0407-000123 | DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT- | 1    | S.A    |        |
| ....4 | D3071        | 0407-000123 | DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT- | 1    | S.A    |        |
| ....4 | D3072        | 0407-000123 | DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT- | 1    | S.A    |        |
| ....4 | Q1001        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q1002_LCD    | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q2003        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q2004        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q2007        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q2008        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q2009        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q3006        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q3208        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q5002        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q5201        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q5202        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q6003_LCD    | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q2005        | 0501-000669 | TR-SMALL SIGNAL;KTA1505Y,PNP,150mW,SOT-2 | 1    | S.A    |        |
| ....4 | Q2006        | 0501-000669 | TR-SMALL SIGNAL;KTA1505Y,PNP,150mW,SOT-2 | 1    | S.A    |        |
| ....4 | Q1004_LCD    | 0501-002080 | TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59 | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-001165 | FET-SILICON;SI3443BDV,P,-20V,+4.4A,65mo  | 1    | S.A    |        |
| ....4 | Q409         | 0505-001170 | FET-SILICON;SI9933ADY-T1,P,-20V,3.4A,0.0 | 1    | S.A    |        |
| ....4 | IC2002       | 1001-000164 | IC-ANALOG MULTIPLEX;74HC4052,CMOS,SOP,16 | 1    | S.A    |        |
| ....4 | IC5203       | 1001-000164 | IC-ANALOG MULTIPLEX;74HC4052,CMOS,SOP,16 | 1    | S.A    |        |
| ....4 | IC106        | 1001-001440 | IC-VIDEO SWITCH;SiI9185CTU,QFP,80P,3.3V, | 1    | S.A    |        |
| ....4 | IC110        | 1006-001076 | IC-DRIVER/RECEIVER;MAX232ECWE+T,SOP,16P, | 1    | S.A    |        |



## 5. Exploded View & Part List

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## 5. Exploded View & Part List

[illegible]

## 5. Exploded View & Part List

[illegible]

## 5. Exploded View & Part List

[illegible]

## 5. Exploded View & Part List

[illegible]

## 5. Exploded View & Part List

[illegible]

## 5. Exploded View & Part List

[illegible]



## 5. Exploded View & Part List

[illegible]

## 5. Exploded View & Part List

| Level | Location No. | Code No.    | Description & Specification     | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|---------------------------------|------|--------|--------|
| ....4 | R110         | 2007-000172 | R-CHIP;10ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000172 | R-CHIP;10ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000172 | R-CHIP;10ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000172 | R-CHIP;10ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000172 | R-CHIP;10ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000172 | R-CHIP;10ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000172 | R-CHIP;10ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000172 | R-CHIP;10ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000172 | R-CHIP;10ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000172 | R-CHIP;10ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000172 | R-CHIP;10ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000172 | R-CHIP;10ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000172 | R-CHIP;10ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000172 | R-CHIP;10ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000173 | R-CHIP;22ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000173 | R-CHIP;22ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000173 | R-CHIP;22ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000173 | R-CHIP;22ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000173 | R-CHIP;22ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000173 | R-CHIP;22ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000173 | R-CHIP;22ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000173 | R-CHIP;22ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000242 | R-CHIP;1.5Kohm,5%,1/16W,TP,1005 | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000287 | R-CHIP;100ohm,1%,1/10W,TP,1608  | 1    | S.A    |        |
| ....4 | R110         | 2007-000287 | R-CHIP;100ohm,1%,1/10W,TP,1608  | 1    | S.A    |        |
| ....4 | R110         | 2007-000539 | R-CHIP;200ohm,5%,1/10W,TP,1608  | 1    | S.A    |        |
| ....4 | R110         | 2007-000651 | R-CHIP;27Kohm,1%,1/10W,TP,1608  | 1    | S.A    |        |
| ....4 | R110         | 2007-000763 | R-CHIP;330ohm,1%,1/10W,TP,1608  | 1    | S.A    |        |
| ....4 | R110         | 2007-000775 | R-CHIP;33Kohm,5%,1/16W,TP,1005  | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000775 | R-CHIP;33Kohm,5%,1/16W,TP,1005  | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000831 | R-CHIP;39Kohm,5%,1/16W,TP,1005  | 1    | S.A    |        |
| ....4 | R110         | 2007-000831 | R-CHIP;39Kohm,5%,1/16W,TP,1005  | 1    | S.A    |        |
| ....4 | R110         | 2007-000869 | R-CHIP;4.7Kohm,1%,1/10W,TP,1608 | 1    | S.A    |        |
| ....4 | R110         | 2007-000932 | R-CHIP;470ohm,5%,1/16W,TP,1005  | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000932 | R-CHIP;470ohm,5%,1/16W,TP,1005  | 1    | S.N.A  |        |



## 5. Exploded View & Part List

[illegible]

## 5. Exploded View & Part List

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ....4 | R110         | 2007-007107 | R-CHIP;100Kohm,1%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007136 | R-CHIP;4.7Kohm,1%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007297 | R-CHIP;110ohm,1%,1/10W,TP,1608           | 1    | S.A    |        |
| ....4 | R110         | 2007-007319 | R-CHIP;390ohm,1%,1/16W,TP,1005           | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007334 | R-CHIP;200Kohm,1%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007334 | R-CHIP;200Kohm,1%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007334 | R-CHIP;200Kohm,1%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007791 | R-CHIP;9.1Kohm,1%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007791 | R-CHIP;9.1Kohm,1%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-008429 | R-CHIP;499ohm,1%,1/16W,TP,1005           | 1    | S.N.A  |        |
| ....4 | RA5009       | 2011-000585 | R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5010       | 2011-000585 | R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5011       | 2011-000585 | R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5012       | 2011-000585 | R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5013       | 2011-000585 | R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5014       | 2011-000585 | R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA6007       | 2011-000686 | R-NETWORK;56ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5021       | 2011-000881 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5022       | 2011-000881 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5023       | 2011-000881 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5201       | 2011-000881 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5202       | 2011-000881 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5203       | 2011-000881 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5204       | 2011-000881 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5205       | 2011-000881 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5006       | 2011-001001 | R-NETWORK;0ohm,5%,1/16W,L,CHIP,8P,TP,3.2 | 1    | S.A    |        |
| ....4 | RA6004_FBE   | 2011-001001 | R-NETWORK;0ohm,5%,1/16W,L,CHIP,8P,TP,3.2 | 1    | S.A    |        |
| ....4 | RA6005_FBE   | 2011-001001 | R-NETWORK;0ohm,5%,1/16W,L,CHIP,8P,TP,3.2 | 1    | S.A    |        |
| ....4 | RA6006_FBE   | 2011-001001 | R-NETWORK;0ohm,5%,1/16W,L,CHIP,8P,TP,3.2 | 1    | S.A    |        |
| ....4 | RA5001       | 2011-001011 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5002       | 2011-001011 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5003       | 2011-001011 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5004       | 2011-001011 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5015       | 2011-001011 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5024       | 2011-001011 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5025       | 2011-001011 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5030       | 2011-001011 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5031       | 2011-001011 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5034       | 2011-001011 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5005       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5007       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5008       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5016       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5017       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5018       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5019       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5020       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5026       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5027       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5028       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5029       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |

## 5. Exploded View & Part List

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ....4 | RA5032       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5033       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | C120         | 2203-000233 | C-CER,CHIP;0.1nF,5%,50V,C0G,1005         | 1    | S.A    |        |
| ....4 | C120         | 2203-000233 | C-CER,CHIP;0.1nF,5%,50V,C0G,1005         | 1    | S.A    |        |
| ....4 | C120         | 2203-000233 | C-CER,CHIP;0.1nF,5%,50V,C0G,1005         | 1    | S.A    |        |
| ....4 | C120         | 2203-000233 | C-CER,CHIP;0.1nF,5%,50V,C0G,1005         | 1    | S.A    |        |
| ....4 | C120         | 2203-000233 | C-CER,CHIP;0.1nF,5%,50V,C0G,1005         | 1    | S.A    |        |
| ....4 | C120         | 2203-000233 | C-CER,CHIP;0.1nF,5%,50V,C0G,1005         | 1    | S.A    |        |
| ....4 | C120         | 2203-000275 | C-CER,CHIP;10nF,10%,50V,X7R,TP,1608      | 1    | S.A    |        |
| ....4 | C120         | 2203-000275 | C-CER,CHIP;10nF,10%,50V,X7R,TP,1608      | 1    | S.A    |        |
| ....4 | C120         | 2203-000275 | C-CER,CHIP;10nF,10%,50V,X7R,TP,1608      | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000440 | C-CER,CHIP;1nF,10%,50V,X7R,1608          | 1    | S.A    |        |
| ....4 | C120         | 2203-000440 | C-CER,CHIP;1nF,10%,50V,X7R,1608          | 1    | S.A    |        |
| ....4 | C120         | 2203-000489 | C-CER,CHIP;2.2nF,10%,50V,X7R,1005        | 1    | S.A    |        |
| ....4 | C120         | 2203-000489 | C-CER,CHIP;2.2nF,10%,50V,X7R,1005        | 1    | S.A    |        |
| ....4 | C120         | 2203-000489 | C-CER,CHIP;2.2nF,10%,50V,X7R,1005        | 1    | S.A    |        |
| ....4 | C120         | 2203-000489 | C-CER,CHIP;2.2nF,10%,50V,X7R,1005        | 1    | S.A    |        |
| ....4 | C120         | 2203-000489 | C-CER,CHIP;2.2nF,10%,50V,X7R,1005        | 1    | S.A    |        |
| ....4 | C120         | 2203-000489 | C-CER,CHIP;2.2nF,10%,50V,X7R,1005        | 1    | S.A    |        |
| ....4 | C120         | 2203-000489 | C-CER,CHIP;2.2nF,10%,50V,X7R,1005        | 1    | S.A    |        |
| ....4 | C120         | 2203-000627 | C-CER,CHIP;0.022nF,5%,50V,C0G,1005       | 1    | S.N.A  |        |
| ....4 | C120         | 2203-000627 | C-CER,CHIP;0.022nF,5%,50V,C0G,1005       | 1    | S.N.A  |        |
| ....4 | C120         | 2203-000627 | C-CER,CHIP;0.022nF,5%,50V,C0G,1005       | 1    | S.N.A  |        |
| ....4 | C120         | 2203-000627 | C-CER,CHIP;0.022nF,5%,50V,C0G,1005       | 1    | S.N.A  |        |
| ....4 | C120         | 2203-000815 | C-CER,CHIP;0.033nF,5%,50V,C0G,1608       | 1    | S.A    |        |
| ....4 | C120         | 2203-000815 | C-CER,CHIP;0.033nF,5%,50V,C0G,1608       | 1    | S.A    |        |
| ....4 | C120         | 2203-000925 | C-CER,CHIP;470nF,+80-20%,50V,Y5V,2012    | 1    | S.A    |        |
| ....4 | C120         | 2203-000925 | C-CER,CHIP;470nF,+80-20%,50V,Y5V,2012    | 1    | S.A    |        |
| ....4 | C120         | 2203-000975 | C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-    | 1    | S.A    |        |
| ....4 | C120         | 2203-000995 | C-CER,CHIP;0.047nF,5%,50V,C0G,1005       | 1    | S.A    |        |
| ....4 | C120         | 2203-000995 | C-CER,CHIP;0.047nF,5%,50V,C0G,1005       | 1    | S.A    |        |
| ....4 | C120         | 2203-000998 | C-CER,CHIP;0.047nF,5%,50V,C0G,1608       | 1    | S.A    |        |
| ....4 | C120         |             |  |      |        |        |

## 5. Exploded View & Part List

[illegible]

## 5. Exploded View & Part List

| Level | Location No. | Code No.    | Description & Specification             | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|---|------|--------|--------|
| ....4 | C120         | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,1608       | 1    | S.A    |        |
| ....4 | C120         | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,1608       | 1    | S.A    |        |
| ....4 | C120         | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,1608       | 1    | S.A    |        |
| ....4 | C120         | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,1608       | 1    | S.A    |        |
| ....4 | C120         | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,1608       | 1    | S.A    |        |
| ....4 | C120         | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,1608       | 1    | S.A    |        |
| ....4 | C120         | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,1608       | 1    | S.A    |        |
| ....4 | C120         | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,1608       | 1    | S.A    |        |
| ....4 | C120         | 2203-005261 | C-CER,CHIP;1000nF,10%,25V,X7R,3216      | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005533 | C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608  | 1    | S.A    |        |
| ....4 | C120         | 2203-005533 | C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608  | 1    | S.A    |        |
| ....4 | C120         | 2203-005642 | C-CER,CHIP;0.22nF,5%,50V,NP0,1005       | 1    | S.N.A  |        |
| ....4 | C120         | 2203-005809 | C-CER,CHIP;1000nF,10%,16V,X7R,-,2012    | 1    | S.A    |        |
| ....4 | C120         | 2203-005809 | C-CER,CHIP;1000nF,10%,16V,X7R,-,2012    | 1    | S.A    |        |
| ....4 | C120         | 2203-005809 | C-CER,CHIP;1000nF,10%,16V,X7R,-,2012    | 1    | S.A    |        |
| ....4 | C120         | 2203-005809 | C-CER,CHIP;1000nF,10%,16V,X7R,-,2012    | 1    | S.A    |        |
| ....4 | C120         | 2203-005809 | C-CER,CHIP;1000nF,10%,16V,X7R,-,2012    | 1    | S.A    |        |
| ....4 | C120         | 2203-005834 | C-CER,CHIP;22000nF,+80-20%,10V,Y5V,3216 | 1    | S.A    |        |
| ....4 | C120         | 2203-005834 | C-CER,CHIP;22000nF,+80-20%,10V,Y5V,3216 | 1    | S.A    |        |
| ....4 | C120         | 2203-005834 | C-CER,CHIP;22000nF,+80-20%,10V,Y5V,3216 | 1    | S.A    |        |
| ....4 | C120         | 2203-005968 | C-CER,CHIP;4.7NF,10%,50V,X7R,TP,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-005968 | C-CER,CHIP;4.7NF,10%,50V,X7R,TP,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-005968 | C-CER,CHIP;4.7NF,10%,50V,X7R,TP,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006126 |   |      |        |        |

## 5. Exploded View & Part List

[illegible]



## 5. Exploded View & Part List

[illegible]

## 5. Exploded View & Part List

[illegible]



| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006992 | C-CER,CHIP;0.33nF,5%,50V,C0G,1005        | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006992 | C-CER,CHIP;0.33nF,5%,50V,C0G,1005        | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006992 | C-CER,CHIP;0.33nF,5%,50V,C0G,1005        | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006992 | C-CER,CHIP;0.33nF,5%,50V,C0G,1005        | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006992 | C-CER,CHIP;0.33nF,5%,50V,C0G,1005        | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006992 | C-CER,CHIP;0.33nF,5%,50V,C0G,1005        | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006992 | C-CER,CHIP;0.33nF,5%,50V,C0G,1005        | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006992 | C-CER,CHIP;0.33nF,5%,50V,C0G,1005        | 1    | S.N.A  |        |
| ....4 | C120         | 2203-007176 | C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012 ( | 1    | S.N.A  |        |
| ....4 | C120         | 2203-007176 | C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012 ( | 1    | S.N.A  |        |
| ....4 | C120         | 2203-007176 | C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012 ( | 1    | S.N.A  |        |
| ....4 | C120         | 2203-007176 | C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012 ( | 1    | S.N.A  |        |
| ....4 | C120         | 2203-007176 | C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012 ( | 1    | S.N.A  |        |
| ....4 | C120         | 2203-007176 | C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012 ( | 1    | S.N.A  |        |
| ....4 | C120         | 2203-007176 | C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012 ( | 1    | S.N.A  |        |
| ....4 | C120         | 2203-007176 | C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012 ( | 1    | S.N.A  |        |
| ....4 | C1005        | 2402-001128 | C-AL,SMD;100##F,20%,16V,-,TP,6.3X5.7mm   | 1    | S.A    |        |
| ....4 | C1015        | 2402-001128 | C-AL,SMD;100##F,20%,16V,-,TP,6.3X5.7mm   | 1    | S.A    |        |
| ....4 | C3051_RDY    | 2402-001129 | C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM    | 1    | S.A    |        |
| ....4 | C1025        | 2402-001238 | C-AL,SMD;1uF,20%,50V,HR,TP,4.3x4.3x5.2mm | 1    | S.A    |        |
| ....4 | C1010        | 2402-001259 | C-AL,SMD;220uF,20%,16V,WT,REEL,8X10      | 1    | S.A    |        |
| ....4 | C2014        | 2402-001330 | C-AL,SMD;330uF,20%,25V,TP,10x10mm        | 1    | S.N.A  |        |
| ....4 | T0052        | 2703-000125 | INDUCTOR-SMD;10uH,10%,2012               | 1    | S.A    |        |
| ....4 | T0052        | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225               | 1    | S.A    |        |
| ....4 | T0052        | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225               | 1    | S.A    |        |
| ....4 | T0052        | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225               | 1    | S.A    |        |
| ....4 | T0052        | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225               | 1    | S.A    |        |
| ....4 | T0052        | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225               | 1    | S.A    |        |
| ....4 | T0052        | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225               | 1    | S.A    |        |
| ....4 | T0052        | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225               | 1    | S.A    |        |
| ....4 | T0052        | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225               | 1    | S.A    |        |
| ....4 | T0052        | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225               | 1    | S.A    |        |
| ....4 | T0052        | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225               | 1    | S.A    |        |
| ....4 | T0052        | 2703-000417 | INDUCTOR-SMD;220uH,5%,3225               | 1    | S.A    |        |
| ....4 | T0052        | 2703-001426 | INDUCTOR-SMD;680uH,20%,7070              | 1    | S.A    |        |
| ....4 | T0052        | 2703-001778 | INDUCTOR-SMD;3.3uH,20%,3225              | 1    | S.A    |        |
| ....4 | T0052        | 2703-003362 | INDUCTOR-SMD;4.7uH,20%,7070              | 1    | S.A    |        |
| ....4 | L2001        | 2704-000018 | INDUCTOR-SMD-ARRAY;15uH,2000mA,2,0.124oh | 1    | S.N.A  |        |
| ....4 | L2002        | 2704-000018 | INDUCTOR-SMD-ARRAY;15uH,2000mA,2,0.124oh | 1    | S.N.A  |        |
| ....4 | X202         | 2801-003667 | CRYSTAL-SMD;14.31818MHz,30ppm,28-AAN,16p | 1    | S.A    |        |
| ....4 | T0568        | 3301-000314 | BEAD-SMD;120ohm,1.6x0.8x0.8mm,-,-,-      | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-000314 | BEAD-SMD;120ohm,1.6x0.8x0.8mm,-,-,-      | 1    | S.N.A  |        |
| ....4 | G101         | 3301-000316 | CORE-FERRITE BEAD;120ohm,2012,TP,-,-     | 1    | S.N.A  |        |
| ....4 | G101         | 3301-000316 | CORE-FERRITE BEAD;120ohm,2012,TP,-,-     | 1    | S.N.A  |        |
| ....4 | G101         | 3301-000316 | CORE-FERRITE BEAD;120ohm,2012,TP,-,-     | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001145 | BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001145 | BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm | 1    | S.N.A  |        |

## 5. Exploded View & Part List

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ....4 | T0568        | 3301-001145 | BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001145 | BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001145 | BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001145 | BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001148 | BEAD-SMD;60ohm,1608,TP,-,-               | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001148 | BEAD-SMD;60ohm,1608,TP,-,-               | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001148 | BEAD-SMD;60ohm,1608,TP,-,-               | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001236 | BEAD-SMD;60ohm,1608,-,-,-                | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001236 | BEAD-SMD;60ohm,1608,-,-,-                | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001236 | BEAD-SMD;60ohm,1608,-,-,-                | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001324 | BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm    | 1    | S.A    |        |
| ....4 | T0568        | 3301-001324 | BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm    | 1    | S.A    |        |
| ....4 | T0568        | 3301-001324 | BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm    | 1    | S.A    |        |
| ....4 | T0568        | 3301-001324 | BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm    | 1    | S.A    |        |
| ....4 | T0568        | 3301-001324 | BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm    | 1    | S.A    |        |
| ....4 | T0568        | 3301-001324 | BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm    | 1    | S.A    |        |
| ....4 | T0568        | 3301-001393 | BEAD-SMD;60ohm,3216,1500mA,TP,41ohm/40MH | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001404 | BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz     | 1    | S.A    |        |
| ....4 | T0568        | 3301-001404 | BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz     | 1    | S.A    |        |
| ....4 | T0568        | 3301-001404 | BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz     | 1    | S.A    |        |
| ....4 | T0568        | 3301-001404 | BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz     | 1    | S.A    |        |
| ....4 | T0568        | 3301-001404 | BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz     | 1    | S.A    |        |
| ....4 | T0568        | 3301-001404 | BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz     | 1    | S.A    |        |
| ....4 | T0568        | 3301-001404 | BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz     | 1    | S.A    |        |
| ....4 | JA3001       | 3701-001367 | CONNECTOR-HDMI;19P,2R,FEMALE,SMD,AU      | 1    | S.A    |        |
| ....4 | JA3002       | 3701-001367 | CONNECTOR-HDMI;19P,2R,FEMALE,SMD,AU      | 1    | S.A    |        |
| ....4 | CN6001_FFC   | 3708-001150 | CONNECTOR-FPC/FFC/PIC;30P,1mm,SMD-A,SN,Y | 1    | S.A    |        |
| ....4 | T0077        | BN41-00987A | PCB MAIN;CORAL 450 REV,FR-4,4,1.0,1.2T   | 1    | S.N.A  |        |
| ....4 | M0107        | BN61-03858A | BRACKET-PCB;L450,BRASS(H62Y),T0.4,5mm,7m | 1    | S.N.A  |        |
| ....4 | M0107        | BN61-03858A | BRACKET-PCB;L450,BRASS(H62Y),T0.4,5mm,7m | 1    | S.N.A  |        |
| ....4 | M0107        | BN61-03858A | BRACKET-PCB;L450,BRASS(H62Y),T0.4,5mm,7m | 1    | S.N.A  |        |
| ....4 | M0107        | BN61-03858A | BRACKET-PCB;L450,BRASS(H62Y),T0.4,5mm,7m | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000115 | R-CHIP;82ohm,5%,1/10W,TP,1608            | 1    | S.A    |        |
| ....4 | C120         | 2203-006708 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,1608   | 1    | S.A    |        |
| ....4 | C6045_CMO    | 2402-001086 | C-AL,SMD;100UF,20%,16V,WT,TP,6.6X6.6X5.3 | 1    | S.A    |        |
| ....4 | MAIN         | BN97-02175A | ASSY MICOM-MAIN;T-CRL26MSAM-0102.0,2008- | 1    | S.N.A  |        |
| ....5 | IC115        | 1107-001709 | IC-FLASH MEMORY;MX25L1605A,16Mbit,2Mx8,S | 1    | S.A    |        |
| ....4 | R110         | 2007-001305 | R-CHIP;120ohm,5%,1/16W,TP,1005           | 1    | S.N.A  |        |
| ....4 | R110         | 2007-001305 | R-CHIP;120ohm,5%,1/16W,TP,1005           | 1    | S.N.A  |        |
| ...3  | JA333        | 3722-002699 | JACK-PIN;3P,Ni,YEL/WHT/RED,STRAIGHT      | 1    | S.A    |        |
| ...3  | HDCP         | BN97-01987A | ASSY HDCP;BN46-00018A,PS-42V6S,D73A,MSTA | 1    | S.N.A  |        |

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ....4 | KEY          | BN46-00018A | KEY CODE-CERTIFICATE;(HDCP KEY)PPM42M5S, | 1    | S.N.A  |        |
| ...3  | T0530        | BN61-04203A | SUPPORT-PCB;- ,SPTE,W7*L9* H11,-,-,-,-   | 1    | S.N.A  |        |
| ...3  | HOLDER-CLA   | BN61-02470A | HOLDER-CLAMP DMD;NYLON 6/6,NATURAL,DACN- | 1    | S.N.A  |        |
|       |              |             |  |      |        |        |
| 0.1   | M0113        | BN92-03174B | ASSY P/MATERIAL;32L450,W/W               | 1    | S.N.A  |        |
| ..2   | T0524        | 6902-000738 | BAG PE;HDPE/HDPE/NITRON,T0.015/T0.015/T1 | 1    | S.N.A  |        |
| ..2   | T0003        | BH69-00418A | BAG WRAPPING;E770S/UM,LDPE,-,1828M,762,- | 5.7  | S.N.A  |        |
|       |              |             |  |      |        |        |
| 0.1   | M0045        | BN92-03379M | ASSY ACCESSORY;LN26A450C1XZP,LN32A450C1X | 1    | S.N.A  |        |
| ..2   | M0045        | BN96-07143A | ASSY ACCESSORY-CABLE;LN26A450C1XSR       | 1    | S.A    |        |
| ...3  | T0268        | 3903-000144 | CBF-POWER CORD;DT,US,BP3/Y,U(IEC C13-RA) | 1    | S.A    |        |
| ...3  | T0524        | 6902-000110 | BAG PE;LDPE,T0.05,W250,L400,TRP,28,2     | 1    | S.N.A  |        |
| ...3  | CLOTH        | BN63-01798A | CLOTH-CLEAN;RE40**,CLOTH,180,200,RHCM    | 1    | S.N.A  |        |
| ...3  | T0074        | BN59-00687A | REMOCON;TM-96B,49,AMERICA                | 1    | S.A    |        |
| ..2   | M0045        | BN96-07145A | ASSY ACCESSORY-MANUAL;LN26A450C1XZP      | 1    | S.A    |        |
| ...3  | T0524        | 6902-000110 | BAG PE;LDPE,T0.05,W250,L400,TRP,28,2     | 1    | S.N.A  |        |
| ...3  | A/SCREW      | BN96-01800A | ASSY ACCESSORY-SCREW ZIPPER;ROME32,-,-,- | 1    | S.N.A  |        |
| ....4 | T0081        | 6002-001294 | SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)      | 4    | S.A    |        |
| ....4 | ACCESSORY    | 6902-000128 | BAG ZIPPER;LDPE,T0.05,W200,L150,TRP,8,2- | 1    | S.N.A  |        |
| ...3  | T0210        | AA68-03242L | MANUAL FLYER-01,SAFETY GUIDE;comm,Samsun | 1    | S.N.A  |        |
| ...3  | T0175        | AA68-03727A | MANUAL FLYER-01,WARRANTY CARD;All,SAMSUN | 1    | S.N.A  |        |
| ...3  | T0511        | BN68-01395E | MANUAL USERS;COMM,SAMSUNG,Eng/Spa/BP,S.A | 1    | S.N.A  |        |
| ...3  | T0531        | BN63-04269A | COVER-BOTTOM;22,26,32L450,HIPS,-,-,-,V0, | 1    | S.N.A  |        |
|       |              |             |  |      |        |        |
| 0.1   | M0003        | BN92-03168D | ASSY BOX;32L450,SO                       | 1    | S.N.A  |        |
| ..2   |              | BN69-02264A | BOX-SET;L450-32,CB,A-01,DY-01,AB,YEL,W89 | 1.02 | S.N.A  |        |
|       |              |             |  |      |        |        |
| 0.1   | M0019        | BN92-03380L | ASSY LABEL;LN32A450C1X*,CORAL            | 1    | S.N.A  |        |
|       |              |             |  |      |        |        |
| ....4 | C1148        | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,1608         | 1    | S.A    |        |

**5-4. LN37A450C1X Parts List**

| Level | Location No. | Code No.      | Description & Specification               | Q'ty  | SA/SNA | Remark |
|-------|--------------|---------------|---|-------|--------|--------|
|       |              | LN37A450C1XZP | LN37A450C1,N55A/37AC1-GCR,37,LCD-TV,PANA  | 0     |        |        |
| 0.1   | M0001        | BN90-01502F   | ASSY COVER FRONT;37L450,LO                | 1     | S.N.A  |        |
| ..2   | T0003        | BN96-06785F   | ASSY COVER P-FRONT;37L450,LO,ABS+PMMA,HB  | 1     | S.A    |        |
| ...3  | M0081        | 6003-001188   | SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S  | 1     | S.N.A  |        |
| ...3  | M0081        | 6003-001188   | SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S  | 2     | S.N.A  |        |
| ...3  | M0279        | AA63-01637A   | FELT;50P9,FELT,0.5,10,80                  | 1     | S.N.A  |        |
| ...3  | CCM1         | BN63-02183G   | COVER-SHEET;Rhcm,PE Vinyl,T0.05,1100mm,2  | 0.992 | S.N.A  |        |
| ...3  | M0112        | BN63-04169F   | COVER-FRONT;37L450,LO,ABS+PMMA,-,-,-,HB,  | 1     | S.N.A  |        |
| ...3  | T0059        | BN64-00379A   | INDICATOR LED;ROME-II,23,PC,CLEAR         | 1     | S.N.A  |        |
| ...3  | T0061        | BN64-00453A   | WINDOW-REMOCON;32R71,PC,V0,VIOLET,DIFFUS  | 1     | S.N.A  |        |
| ...3  | T0022        | BN64-00755A   | KNOB-CONTROL;32L450,ABS,V0,BK07           | 1     | S.N.A  |        |
| ...3  | D/BOTTOM     | BN64-00761A   | DECORATION-BOTTOM;L450 37INCH,PC,-,-,-,-  | 1     | S.N.A  |        |
| ...3  | T0069        | BP60-00015T   | SPACER-FELT;L450 37",FELT,L830,BLK,T0.5,  | 2     | S.N.A  |        |
| ...3  | T0069        | BP60-00015U   | SPACER-FELT;L450 37",FELT,L470,BLK,T0.5,  | 2     | S.N.A  |        |
| ...3  | M0146        | BN96-07270J   | ASSY BOARD P-POWER & IR;CORAL,POWER & IR  | 1     | S.A    |        |
| ...3  | M0145        | BN96-07269A   | ASSY BOARD P-FUNCTION;LN40A450C1D,CT5000  | 1     | S.A    |        |
| ...3  | A/HBOSS      | BN96-06795A   | ASSY HOLDER P-BOSS;37,40L450,UO,HIPS,V0,  | 1     | S.N.A  |        |
| ....4 | H/BOSS       | BN61-03677A   | HOLDER-BOSS BOTTOM;37,40L450,UO,HIPS,V0,  | 1     | S.N.A  |        |
| ....4 | BOSS/T       | BN61-03261B   | BOSS-TAPE;Tulip,ACRYL,T1.1,W20mm,GRAY,TA  | 0.74  | S.N.A  |        |
| ..2   | T0175        | BN96-06818A   | ASSY SPEAKER P;8ohm,CORAL,LCD,PDP,10W,4p  | 1     | S.A    |        |
| 0.1   | M0002        | BN90-01507B   | ASSY COVER REAR;37L450,SO                 | 1     | S.N.A  |        |
| ..2   | T0081        | 6002-001294   | SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)       | 1     | S.A    |        |
| ..2   | T0081        | 6002-001294   | SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)       | 1     | S.A    |        |
| ..2   | T0081        | 6002-001294   | SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)       | 14    | S.A    |        |
| ..2   | M0013        | BN96-06789B   | ASSY COVER P-REAR;37L450,SO,HIPS,HB,BK50  | 1     | S.A    |        |
| ...3  | M0081        | 6003-001188   | SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S  | 2     | S.N.A  |        |
| ...3  | T0101        | BN61-03348A   | BRACKET-WALL;LCD TV 32,SECC T1.2,-,-,-,-  | 2     | S.N.A  |        |
| ...3  | M0006        | BN63-04173B   | COVER-REAR;37L450,SO,HIPS,HB,BK500        | 1     | S.N.A  |        |
| ...3  | T0071        | BN64-00760A   | INLAY-TERMINAL;L450,SO,PS SHEET,T0.5,104  | 1     | S.N.A  |        |
| ...3  | T0064        | BN65-00002A   | CLAMPER CORE;BORDEAUX,LDPE,-,-,BLK,-      | 1     | S.N.A  |        |
| ..2   | M0081        | 6003-000115   | SCREW-TAPTITE;BH,+,,B,M3,L6,ZPC(BLK),SWRC | 1     | S.A    |        |
| 0.1   | M0216        | BN90-01575A   | ASSY STAND;37L450,W/W                     | 1     | S.N.A  |        |
| ..2   | T0081        | 6002-001294   | SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)       | 4     | S.A    |        |
| ..2   | M0027        | BN96-06259A   | ASSY STAND P-BASE;37,40L450,,ABS+PMMA,HB  | 1     | S.A    |        |
| ...3  | T0081        | 6002-001294   | SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)       | 4     | S.A    |        |
| ...3  | M0081        | 6003-001239   | SCREW-TAPTITE;FH,+,-,B,M4,L10,ZPC(WHT),S  | 8     | S.A    |        |
| ...3  | H/SWIVEL     | BN61-02248A   | HOLDER-SWIVEL RING;40R71,ACETAL NATUAL,T  | 1     | S.N.A  |        |
| ...3  | B/SBOTTOM    | BN61-02883A   | BRACKET-STAND BOTTOM;BORDEAUX PLUS,40,SE  | 1     | S.N.A  |        |
| ...3  | HOLDER/S     | BN61-02885A   | HOLDER-SWIVEL RING;MURANO40,ACETAL NATUR  | 1     | S.N.A  |        |
| ...3  | B/HINGE      | BN61-02886A   | BRACKET-HINGE SWIVEL;BORDEAUX PLUS,40,SE  | 1     | S.N.A  |        |
| ...3  | T0920        | BN61-03681A   | GUIDE-STAND;40L450,PC+GF 20%,-,-,-,BK500  | 1     | S.N.A  |        |
| ...3  | CCM1         | BN63-02183E   | COVER-SHEET;Rhcm,PE Vinyl,T0.05,750mm,20  | 0.5   | S.N.A  |        |
| ...3  | T0004        | BN63-03030A   | COVER-STAND BASE;40R81,ABS+PMMA,-,-,-,HB  | 1     | S.N.A  |        |
| ...3  | M0126        | BN73-00052C   | RUBBER-FOOT;LCD TV,CR RUBBER,T2.0 DIA19,  | 4     | S.N.A  |        |
| 0.1   | A/LCD        | BN91-01985B   | ASSY LCD-CPT;LN37A450C1DXZA,CLAA370WF02S  | 1     | S.N.A  |        |

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| .2    | M0215        | BN07-00507A | LCD-PANEL;CLAA370WF02S                   | 1    | S.A    |        |
|       |              |             |  |      |        |        |
| 0.1   | M0112        | BN91-02200D | ASSY SHIELD;LN37A450C1XZB                | 1    | S.N.A  |        |
| .2    | M0081        | 6003-000115 | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC | 4    | S.A    |        |
| .2    | M0081        | 6003-000115 | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC | 6    | S.A    |        |
| .2    | M0081        | 6003-001188 | SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S | 2    | S.N.A  |        |
| .2    | M0081        | 6003-001188 | SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S | 2    | S.N.A  |        |
| .2    | M0081        | 6003-001188 | SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S | 9    | S.N.A  |        |
| .2    | M0081        | 6003-001439 | SCREW-TAPTITE;BH,+,-,S,M4,L8,ZPC(WHT),SW | 1    | S.N.A  |        |
| .2    | M0081        | 6003-001439 | SCREW-TAPTITE;BH,+,-,S,M4,L8,ZPC(WHT),SW | 1    | S.N.A  |        |
| .2    | M2893        | BH39-00362C | LEAD CONNECTOR;Beethoven,UL1007#26,5P,30 | 1    | S.A    |        |
| .2    | M0258        | BN39-00615Q | CBF HARNESS-INLET SOCKET;LN40A450C1D,UL1 | 1    | S.A    |        |
| .2    | M2893        | BN39-00802C | LEAD CONNECTOR;HPT4264H,UL1617#22,24P/24 | 1    | S.A    |        |
| .2    | M2893        | BN39-00849C | LEAD CONNECTOR;LNT4081FX/XAA,UL1007 #26, | 1    | S.A    |        |
| .2    | T0764        | BN44-00217A | SMPS-LCDTV;MK37P5B,SEM,AC/DC,171W,AC100  | 1    | S.A    |        |
| .2    | M0146        | BN61-02419A | BRACKET-PANEL SIDE;SONOMA 32,SECC,T1.2,A | 4    | S.N.A  |        |
| .2    | M0115        | BN61-02882A | BRACKET-STAND LINK;TULIP,40,SECC,T1.6,-, | 1    | S.N.A  |        |
| .2    | T0447        | BN96-06959A | ASSY BRACKET P-PANEL;37L450,CPT,AUO,,SEC | 1    | S.N.A  |        |
| ...3  | M0081        | 6003-000115 | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC | 2    | S.A    |        |
| ...3  | M0081        | 6003-000115 | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC | 3    | S.A    |        |
| ...3  | M0081        | 6003-000115 | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC | 3    | S.A    |        |
| ...3  | M0081        | 6003-000115 | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC | 2    | S.A    |        |
| ...3  | M0146        | BN61-03684B | BRACKET-PANEL TOP;L450 37INCH,SECC,T1.0  | 1    | S.N.A  |        |
| ...3  | B/PBOTTOM    | BN61-03689A | BRACKET-PANEL BOTTOM;L450 37INCH,SECC,T1 | 1    | S.N.A  |        |
| ...3  | B/GMAIN      | BN61-03692A | BRACKET-GUIDE MAIN;L450 37INCH,SECC,T1.0 | 1    | S.N.A  |        |
| ...3  | B/GPRIGHT    | BN61-03693A | BRACKET-GUIDE POWER;L450 37INCH,SECC,T1. | 1    | S.N.A  |        |
| ...3  | B/GPLEFT     | BN61-03696A | BRACKET-GUIDE POWER;L450 37INCH,SECC,T1. | 2    | S.N.A  |        |
| ...3  | T0101        | BN61-03698A | BRACKET-WALL;L450 37INCH,SECC,T1.2       | 1    | S.N.A  |        |
| ...3  | M0131        | BN63-03370A | GASKET;LE37M86BDX,Conductive Fabric,10,7 | 1    | S.N.A  |        |
| ...3  | M0131        | BN63-03371A | GASKET;LE37M86BDX,Conductive Fabric,10,2 | 1    | S.N.A  |        |
| ...3  | M0131        | BN63-03507A | GASKET;LE37M87BDX,Conductive Fabric,10,2 | 1    | S.N.A  |        |
| ...3  | M0131        | BN63-03554A | GASKET;LE37M87BDX,Conductive Fabric,9,4, | 1    | S.N.A  |        |
| .2    | M0254        | BN61-03699B | HOLDER-SIDE AV;32L450,-,-,-,-,BN61-036   | 1    | S.N.A  |        |
| .2    | M0081        | 6003-001334 | SCREW-TAPTITE;BH,+,S,M4,L14,ZPC(BLK),SWR | 4    | S.N.A  |        |
| .2    |              | BN61-02470E | HOLDER-CLAMP DMD;NYLON 6/6,NATURAL,DACN- | 1    | S.N.A  |        |
| .2    | M0214        | BN96-07611A | ASSY CABLE P-FLAT;CORAL,FFC,290mm,30p,Co | 1    | S.N.A  |        |
| .2    | M0114        | BN61-02500A | HOLDER-WIRE;NYLON6.6,NATURAL             | 3    | S.N.A  |        |
|       |              |             |  |      |        |        |
| 0.1   | M0045        | BN92-03379R | ASSY ACCESSORY;LN37A450C1XZP,LN40A450C1X | 1    | S.N.A  |        |
| .2    | M0045        | BN96-07231A | ASSY ACCESSORY;LN37A450C1XZP             | 1    | S.A    |        |
| ...3  | T0268        | 3903-000144 | CBF-POWER CORD;DT,US,BP3/Y,U(IEC C13-RA) | 1    | S.A    |        |
| ...3  | T0524        | 6902-000018 | BAG PE;LDPE,T0.1,W280,L400,CLEAR,8,2     | 1    | S.N.A  |        |
| ...3  | CLOTH        | BN63-01798A | CLOTH-CLEAN;RE40**,CLOTH,180,200,RHCM    | 1    | S.N.A  |        |
| ...3  | T0210        | AA68-03242L | MANUAL FLYER-01,SAFETY GUIDE;comm,Samsun | 1    | S.N.A  |        |
| ...3  | T0175        | AA68-03727A | MANUAL FLYER-01,WARRANTY CARD;All,SAMSUN | 1    | S.N.A  |        |
| ...3  | T0511        | BN68-01395E | MANUAL USERS;COMM,SAMSUNG,Eng/Spa/BP,S.A | 1    | S.N.A  |        |
| ...3  | T0074        | BN59-00687A | REMOCON;TM-96B,49,AMERICA                | 1    | S.A    |        |
| ...3  | T0531        | BN63-04243A | COVER-BOTTOM;37,40L450,HIPS,-,-,-,V0,-,B | 1    | S.N.A  |        |
|       |              |             |  |      |        |        |
| 0.1   | M0017        | BN91-02201F | ASSY CHASSIS;LN37A450C1*                 | 1    | S.N.A  |        |
| .2    | M0014        | BN94-01713Q | ASSY PCB MAIN;LN37A450C1*,CORAL          | 1    | S.A    |        |

## 5. Exploded View & Part List

| Level | Location No. | Code No.    | Description & Specification              | Q'ty  | SA/SNA | Remark |
|-------|--------------|-------------|--|-------|--------|--------|
| ...3  | T0245        | 0202-001608 | SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0. | 0.25  | S.N.A  |        |
| ...3  | JA3003_3H    | 3701-001388 | CONNECTOR-HDMI;20P,Phosphor Bronze,ANGLE | 1     | S.A    |        |
| ...3  | JA3004_OP    | 3701-001480 | CONNECTOR-DSUB;15P,3R,FEMAIL,STAMPED PIN | 1     | S.A    |        |
| ...3  | CN330        | 3711-000012 | HEADER-BOARD TO CABLE;BOX,4P,1R,2.5MM,ST | 1     | S.A    |        |
| ...3  | CN330        | 3711-003846 | HEADER-BOARD TO CABLE;BOX,8P,1R,2mm,ANGL | 1     | S.A    |        |
| ...3  | CN330        | 3711-004379 | HEADER-BOARD TO CABLE;BOX,4P,1R,2mm,STRA | 1     | S.A    |        |
| ...3  | CN330        | 3711-004484 | HEADER-BOARD TO CABLE;BOX,5P,1R,2mm,STRA | 1     | S.A    |        |
| ...3  | CN330        | 3711-004484 | HEADER-BOARD TO CABLE;BOX,5P,1R,2mm,STRA | 1     | S.A    |        |
| ...3  | CN330        | 3711-005842 | HEADER-BOARD TO CABLE;BOX,24P,2R,2MM,STR | 1     | S.A    |        |
| ...3  | JA330        | 3722-001055 | JACK-PHONE;5P/2C,AG,BLK,ANGLE            | 1     | S.A    |        |
| ...3  | JA330        | 3722-001061 | JACK-PHONE;1P,3.6PI,AG,BLK,N             | 1     | S.A    |        |
| ...3  | JA330        | 3722-001061 | JACK-PHONE;1P,3.6PI,AG,BLK,N             | 1     | S.A    |        |
| ...3  | JA333        | 3722-002143 | JACK-PIN;5P,NI,GRN/BLU/RED/WHT/RED,STRAI | 1     | S.A    |        |
| ...3  | CN3214       | 3722-002275 | JACK-DIN;4P,-,SN,BLK,-                   | 1     | S.A    |        |
| ...3  | JA333        | 3722-002691 | JACK-PIN;2P,NI,WHT/RED,STRAIGHT          | 1     | S.A    |        |
| ...3  | JA333        | 3722-002691 | JACK-PIN;2P,NI,WHT/RED,STRAIGHT          | 1     | S.A    |        |
| ...3  | JA333        | 3722-002691 | JACK-PIN;2P,NI,WHT/RED,STRAIGHT          | 1     | S.A    |        |
| ...3  | JA333        | 3722-002703 | JACK-PIN;3P,NI,GRN/BLU/RED,STRAIGHT      | 1     | S.A    |        |
| ...3  | JA333        | 3722-002704 | JACK-PIN;3P,Sn,YEL/WHT/RED,ANGLE         | 1     | S.A    |        |
| ...3  | CIS3         | BN40-00113A | TUNER;HTM-6M/13F2S,HTM-6M/13F2S,PAL M,18 | 1     | S.A    |        |
| ...3  | M0107        | BN63-04527A | SHIELD-COVER;450 EO,SPTE,T0.3,PAL REFLE  | 1     | S.N.A  |        |
| ...3  | T0174        | BN97-02099K | ASSY SMD;LN37A450C1*                     | 1     | S.N.A  |        |
| ....4 | SUB05        | 0202-001477 | SOLDER-CREAM;LST309-M,-,D20~45##,96.5Sn/ | 2.235 | S.N.A  |        |
| ....4 | D2002        | 0401-000133 | DIODE-SWITCHING;RLS4148,75V,150mA,LL-34, | 1     | S.A    |        |
| ....4 | D2003        | 0401-000133 | DIODE-SWITCHING;RLS4148,75V,150mA,LL-34, | 1     | S.A    |        |
| ....4 | D2004        | 0401-000133 | DIODE-SWITCHING;RLS4148,75V,150mA,LL-34, | 1     | S.A    |        |
| ....4 | D2009        | 0401-000133 | DIODE-SWITCHING;RLS4148,75V,150mA,LL-34, | 1     | S.A    |        |
| ....4 | D2012        | 0401-000133 | DIODE-SWITCHING;RLS4148,75V,150mA,LL-34, | 1     | S.A    |        |
| ....4 | D2019        | 0401-000133 | DIODE-SWITCHING;RLS4148,75V,150mA,LL-34, | 1     | S.A    |        |
| ....4 | D1004        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3003        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3004        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3006        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3007        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3008        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3009        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3010        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3011        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3012        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3013        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3016        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3017        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3019        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3021        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3022        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3023        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3024        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3025        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3026        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3027        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3030_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |



| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ....4 | D3031_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3034_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3035_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3036_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3037_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3038_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3039_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3040_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3041_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3045        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3046        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3047        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3061        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3062        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3064        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3066        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3202        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3203        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3204        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3205_PAD    | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3206        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3217        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3218        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3219        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3230        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3236        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D5002        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D5003        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D2001        | 0401-001099 | DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3 | 1    | S.A    |        |
| ....4 | D3063        | 0401-001099 | DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3 | 1    | S.A    |        |
| ....4 | D3065        | 0401-001099 | DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3 | 1    | S.A    |        |
| ....4 | D3067        | 0401-001099 | DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3 | 1    | S.A    |        |
| ....4 | D3077        | 0401-001099 | DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3 | 1    | S.A    |        |
| ....4 | D3079        | 0401-001099 | DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3 | 1    | S.A    |        |
| ....4 | D3080_3H     | 0401-001099 | DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3 | 1    | S.A    |        |
| ....4 | D3244        | 0401-001099 | DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3 | 1    | S.A    |        |
| ....4 | D2008        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3020        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3033_3H     | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3048        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3049        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3050        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3051        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3052        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3070        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3074        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D5001        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3002        | 0403-000771 | DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3015        | 0403-000771 | DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3029_3H     | 0403-000771 | DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3042        | 0403-000771 | DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD | 1    | S.A    |        |

## 5. Exploded View & Part List

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ....4 | D5008        | 0403-000771 | DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3001        | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2 | 1    | S.A    |        |
| ....4 | D3014        | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2 | 1    | S.A    |        |
| ....4 | D3028_3H     | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2 | 1    | S.A    |        |
| ....4 | D3208        | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2 | 1    | S.A    |        |
| ....4 | D5201        | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2 | 1    | S.A    |        |
| ....4 | D1005        | 0403-001425 | DIODE-ZENER;BZX84C33,31-35V,350mW,SOT-23 | 1    | S.A    |        |
| ....4 | D0254        | 0404-001020 | DIODE-SCHOTTKY;BAT54C,30V,200mA,SOT-23,T | 1    | S.A    |        |
| ....4 | D3053        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3054        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3055        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3056        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3057        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3058        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3068        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3069        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3213        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3215        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3223        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3224        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3225        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3226        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3227        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3231        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3232        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3233        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3237        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3238        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3239        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3240        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D2013        | 0407-000123 | DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT- | 1    | S.A    |        |
| ....4 | D3071        | 0407-000123 | DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT- | 1    | S.A    |        |
| ....4 | D3072        | 0407-000123 | DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT- | 1    | S.A    |        |
| ....4 | Q1001        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q1002_LCD    | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q2003        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q2004        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q2007        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q2008        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q2009        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q3006        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q3208        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q5002        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q5201        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q5202        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q6003_LCD    | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q2005        | 0501-000669 | TR-SMALL SIGNAL;KTA1505Y,PNP,150mW,SOT-2 | 1    | S.A    |        |
| ....4 | Q2006        | 0501-000669 | TR-SMALL SIGNAL;KTA1505Y,PNP,150mW,SOT-2 | 1    | S.A    |        |
| ....4 | Q1004_LCD    | 0501-002080 | TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59 | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |



| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-001165 | FET-SILICON;SI3443BDV,P,-20V,+4.4A,65mo  | 1    | S.A    |        |
| ....4 | Q409         | 0505-001170 | FET-SILICON;SI9933ADY-T1,P,-20V,3.4A,0.0 | 1    | S.A    |        |
| ....4 | IC2002       | 1001-000164 | IC-ANALOG MULTIPLEX;74HC4052,CMOS,SOP,16 | 1    | S.A    |        |
| ....4 | IC5203       | 1001-000164 | IC-ANALOG MULTIPLEX;74HC4052,CMOS,SOP,16 | 1    | S.A    |        |
| ....4 | IC106        | 1001-001440 | IC-VIDEO SWITCH;SiI9185CTU,QFP,80P,3.3V, | 1    | S.A    |        |
| ....4 | IC110        | 1006-001076 | IC-DRIVER/RECEIVER;MAX232ECWE+T,SOP,16P, | 1    | S.A    |        |
| ....4 | IC112        | 1103-000129 | IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x | 1    | S.A    |        |
| ....4 | IC112        | 1103-000129 | IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x | 1    | S.A    |        |
| ....4 | IC112        | 1103-000129 | IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x | 1    | S.A    |        |
| ....4 | IC112        | 1103-000129 | IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x | 1    | S.A    |        |
| ....4 | IC112        | 1103-001385 | IC-EEPROM;AT24C256,256Kbit,32Kx8,SOP,8P, | 1    | S.A    |        |
| ....4 | IC5201       | 1105-001838 | IC-DDR SDRAM;EM6A9160TS0A-5G,DDR SDRAM,1 | 1    | S.A    |        |
| ....4 | DU410        | 1201-000166 | IC-OP AMP;LM358,SOP,ST,8P,150MIL,DUAL,10 | 1    | S.A    |        |
| ....4 | DU410        | 1201-000541 | IC-OP AMP;062,SOP,8P,153MIL,DUAL,6V/mV,P | 1    | S.A    |        |
| ....4 | T0085        | 1201-002487 | IC-AUDIO AMP;MAX9728A,QFN,12P,3x3mm,DUAL | 1    | S.A    |        |
| ....4 | T0124        | 1201-002677 | IC-POWER AMP;NTP3100,QFN56,56P,8x8mm,DUA | 1    | S.A    |        |
| ....4 | T0087        | 1203-001815 | IC-POSI.FIXED REG.;78M09,TO-252,3P,-,PLA | 1    | S.A    |        |
| ....4 | T0087        | 1203-002842 | IC-POSI.FIXED REG.;AP1117D-33A,TO-252,3P | 1    | S.A    |        |
| ....4 | IC012        | 1203-002995 | IC-POSI.ADJUST REG.;AP1117D-A,TO-252,3P, | 1    | S.A    |        |
| ....4 | IC012        | 1203-002995 | IC-POSI.ADJUST REG.;AP1117D-A,TO-252,3P, | 1    | S.A    |        |
| ....4 | IC012        | 1203-002995 | IC-POSI.ADJUST REG.;AP1117D-A,TO-252,3P, | 1    | S.A    |        |
| ....4 | IC012        | 1203-002995 | IC-POSI.ADJUST REG.;AP1117D-A,TO-252,3P, | 1    | S.A    |        |
| ....4 | T0087        | 1203-003696 | IC-POSI.FIXED REG.;NCP1117DT18T5G,DPAK,3 | 1    | S.A    |        |
| ....4 | IC5002       | 1203-004363 | IC-VOL. DETECTOR;RT9818C-29PV,SOT-23,3P, | 1    | S.A    |        |
| ....4 | IC2005       | 1203-004364 | IC-VOL. DETECTOR;RT9818C-42PV,SOT-23,3P, | 1    | S.A    |        |
| ....4 | IC6003_LCD   | 1203-004364 | IC-VOL. DETECTOR;RT9818C-42PV,SOT-23,3P, | 1    | S.A    |        |
| ....4 | IC1012       | 1203-005188 | IC-DC/DC CONVERTER;AOZ1021AIL,SOP,8P,4.9 | 1    | S.A    |        |
| ....4 | IC118        | 1204-002779 | IC-VIDEO PROCESS;S4LF122X01,PBGA,208P,17 | 1    | S.A    |        |
| ....4 | IC5204       | 1205-003201 | IC-BUS SWITCH;TC7WB125FK,SSOP,8P,2x2.3mm | 1    | S.A    |        |
| ....4 | IC5205       | 1205-003201 | IC-BUS SWITCH;TC7WB125FK,SSOP,8P,2x2.3mm | 1    | S.A    |        |
| ....4 | IC5206       | 1205-003201 | IC-BUS SWITCH;TC7WB125FK,SSOP,8P,2x2.3mm | 1    | S.A    |        |
| ....4 | IC5207       | 1205-003201 | IC-BUS SWITCH;TC7WB125FK,SSOP,8P,2x2.3mm | 1    | S.A    |        |
| ....4 | IC109        | 1205-003432 | IC-LCD CONTROLLER;SEMS01,LQFP,256P,30x30 | 1    | S.A    |        |
| ....4 | IC3012       | 1405-001185 | VARISTOR;24Vdc,1.6x0.8x0.36mm,TP         | 1    | S.A    |        |
| ....4 | IC3013       | 1405-001185 | VARISTOR;24Vdc,1.6x0.8x0.36mm,TP         | 1    | S.A    |        |
| ....4 | IC3014_3H    | 1405-001185 | VARISTOR;24Vdc,1.6x0.8x0.36mm,TP         | 1    | S.A    |        |
| ....4 | R110         | 2007-000052 | R-CHIP;10Kohm,1%,1/10W,TP,1608           | 1    | S.A    |        |
| ....4 | R110         | 2007-000066 | R-CHIP;20Kohm,1%,1/10W,TP,1608           | 1    | S.A    |        |
| ....4 | R110         | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608            | 1    | S.A    |        |
| ....4 | R110         | 2007-000078 | R-CHIP;1Kohm,5%,1/10W,TP,1608            | 1    | S.A    |        |
| ....4 | R110         | 2007-000106 | R-CHIP;220Kohm,5%,1/10W,TP,1608          | 1    | S.A    |        |

## 5. Exploded View & Part List

[illegible]

## 5. Exploded View & Part List

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## 5. Exploded View & Part List

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## 5. Exploded View & Part List

[illegible]

## 5. Exploded View & Part List

[illegible]



## 5. Exploded View & Part List

[illegible]

## 5. Exploded View & Part List

[illegible]



## 5. Exploded View & Part List

[illegible]

## 5. Exploded View & Part List

[illegible]

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ....4 | R110         | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608            | 1    | S.A    |        |
| ....4 | R110         | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608            | 1    | S.A    |        |
| ....4 | R110         | 2007-001285 | R-CHIP;5.6ohm,5%,1/16W,TP,1005           | 1    | S.A    |        |
| ....4 | R110         | 2007-001285 | R-CHIP;5.6ohm,5%,1/16W,TP,1005           | 1    | S.A    |        |
| ....4 | R110         | 2007-001285 | R-CHIP;5.6ohm,5%,1/16W,TP,1005           | 1    | S.A    |        |
| ....4 | R110         | 2007-001285 | R-CHIP;5.6ohm,5%,1/16W,TP,1005           | 1    | S.A    |        |
| ....4 | R110         | 2007-001292 | R-CHIP;33ohm,5%,1/16W,TP,1005            | 1    | S.N.A  |        |
| ....4 | R110         | 2007-001292 | R-CHIP;33ohm,5%,1/16W,TP,1005            | 1    | S.N.A  |        |
| ....4 | R110         | 2007-001292 | R-CHIP;33ohm,5%,1/16W,TP,1005            | 1    | S.N.A  |        |
| ....4 | R110         | 2007-001313 | R-CHIP;330ohm,5%,1/16W,TP,1005           | 1    | S.N.A  |        |
| ....4 | R110         | 2007-001325 | R-CHIP;3.3Kohm,5%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-001325 | R-CHIP;3.3Kohm,5%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-001325 | R-CHIP;3.3Kohm,5%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-001325 | R-CHIP;3.3Kohm,5%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-001325 | R-CHIP;3.3Kohm,5%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007107 | R-CHIP;100Kohm,1%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007107 | R-CHIP;100Kohm,1%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007136 | R-CHIP;4.7Kohm,1%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007297 | R-CHIP;110ohm,1%,1/10W,TP,1608           | 1    | S.A    |        |
| ....4 | R110         | 2007-007319 | R-CHIP;390ohm,1%,1/16W,TP,1005           | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007334 | R-CHIP;200Kohm,1%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007334 | R-CHIP;200Kohm,1%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007334 | R-CHIP;200Kohm,1%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007791 | R-CHIP;9.1Kohm,1%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007791 | R-CHIP;9.1Kohm,1%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-008429 | R-CHIP;499ohm,1%,1/16W,TP,1005           | 1    | S.N.A  |        |
| ....4 | RA5009       | 2011-000585 | R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5010       | 2011-000585 | R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5011       | 2011-000585 | R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5012       | 2011-000585 | R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5013       | 2011-000585 | R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5014       | 2011-000585 | R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA6007       | 2011-000686 | R-NETWORK;56ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5021       | 2011-000881 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5022       | 2011-000881 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5023       | 2011-000881 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5201       | 2011-000881 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5202       | 2011-000881 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5203       | 2011-000881 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5204       | 2011-000881 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5205       | 2011-000881 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5006       | 2011-001001 | R-NETWORK;0ohm,5%,1/16W,L,CHIP,8P,TP,3.2 | 1    | S.A    |        |
| ....4 | RA6004_FBE   | 2011-001001 | R-NETWORK;0ohm,5%,1/16W,L,CHIP,8P,TP,3.2 | 1    | S.A    |        |
| ....4 | RA6005_FBE   | 2011-001001 | R-NETWORK;0ohm,5%,1/16W,L,CHIP,8P,TP,3.2 | 1    | S.A    |        |
| ....4 | RA6006_FBE   | 2011-001001 | R-NETWORK;0ohm,5%,1/16W,L,CHIP,8P,TP,3.2 | 1    | S.A    |        |
| ....4 | RA5001       | 2011-001011 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5002       | 2011-001011 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5003       | 2011-001011 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5004       | 2011-001011 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5015       | 2011-001011 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5024       | 2011-001011 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |

## 5. Exploded View & Part List

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ....4 | RA5025       | 2011-001011 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5030       | 2011-001011 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5031       | 2011-001011 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5034       | 2011-001011 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5005       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5007       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5008       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5016       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5017       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5018       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5019       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5020       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5026       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5027       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5028       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5029       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5032       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5033       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | C120         | 2203-000233 | C-CER,CHIP;0.1nF,5%,50V,C0G,1005         | 1    | S.A    |        |
| ....4 | C120         | 2203-000233 | C-CER,CHIP;0.1nF,5%,50V,C0G,1005         | 1    | S.A    |        |
| ....4 | C120         | 2203-000233 | C-CER,CHIP;0.1nF,5%,50V,C0G,1005         | 1    | S.A    |        |
| ....4 | C120         | 2203-000233 | C-CER,CHIP;0.1nF,5%,50V,C0G,1005         | 1    | S.A    |        |
| ....4 | C120         | 2203-000233 | C-CER,CHIP;0.1nF,5%,50V,C0G,1005         | 1    | S.A    |        |
| ....4 | C120         | 2203-000233 | C-CER,CHIP;0.1nF,5%,50V,C0G,1005         | 1    | S.A    |        |
| ....4 | C120         | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,TP,1608      | 1    | S.A    |        |
| ....4 | C120         | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,TP,1608      | 1    | S.A    |        |
| ....4 | C120         | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,TP,1608      | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,1005          | 1    | S.A    |        |
| ....4 | C120         | 2203-000440 | C-CER,CHIP;1nF,10%,50V,X7R,1608          | 1    | S.A    |        |
| ....4 | C120         | 2203-000440 | C-CER,CHIP;1nF,10%,50V,X7R,1608          | 1    | S.A    |        |
| ....4 | C120         | 2203-000489 | C-CER,CHIP;2.2nF,10%,50V,X7R,1005        | 1    | S.A    |        |
| ....4 | C120         | 2203-000489 | C-CER,CHIP;2.2nF,10%,50V,X7R,10          |      |        |        |

## 5. Exploded View & Part List

[illegible]

## 5. Exploded View & Part List

| Level | Location No. | Code No.    | Description & Specification             | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|---|------|--------|--------|
| ....4 | C120         | 2203-002687 | C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1005    | 1    | S.A    |        |
| ....4 | C120         | 2203-002687 | C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1005    | 1    | S.A    |        |
| ....4 | C120         | 2203-002687 | C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1005    | 1    | S.A    |        |
| ....4 | C120         | 2203-002793 | C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608       | 1    | S.A    |        |
| ....4 | C120         | 2203-005065 | C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608  | 1    | S.A    |        |
| ....4 | C120         | 2203-005065 | C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608  | 1    | S.A    |        |
| ....4 | C120         | 2203-005065 | C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608  | 1    | S.A    |        |
| ....4 | C120         | 2203-005065 | C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608  | 1    | S.A    |        |
| ....4 | C120         | 2203-005065 | C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608  | 1    | S.A    |        |
| ....4 | C120         | 2203-005065 | C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608  | 1    | S.A    |        |
| ....4 | C120         | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,1608       | 1    | S.A    |        |
| ....4 | C120         | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,1608       | 1    | S.A    |        |
| ....4 | C120         | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,1608       | 1    | S.A    |        |
| ....4 | C120         | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,1608       | 1    | S.A    |        |
| ....4 | C120         | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,1608       | 1    | S.A    |        |
| ....4 | C120         | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,1608       | 1    | S.A    |        |
| ....4 | C120         | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,1608       | 1    | S.A    |        |
| ....4 | C120         | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,1608       | 1    | S.A    |        |
| ....4 | C120         | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,1608       | 1    | S.A    |        |
| ....4 | C120         | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,1608       | 1    | S.A    |        |
| ....4 | C120         | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,1608       | 1    | S.A    |        |
| ....4 | C120         | 2203-005261 | C-CER,CHIP;1000nF,10%,25V,X7R,3216      | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005533 | C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608  | 1    | S.A    |        |
| ....4 | C120         | 2203-005533 | C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608  | 1    | S.A    |        |
| ....4 | C120         | 2203-005642 | C-CER,CHIP;0.22nF,5%,50V,NP0,1005       | 1    | S.N.A  |        |
| ....4 | C120         | 2203-005809 | C-CER,CHIP;1000nF,10%,16V,X7R,-,2012    | 1    | S.A    |        |
| ....4 | C120         | 2203-005809 | C-CER,CHIP;1000nF,10%,16V,X7R,-,2012    | 1    | S.A    |        |
| ....4 | C120         | 2203-005809 | C-CER,CHIP;1000nF,10%,16V,X7R,-,2012    | 1    | S.A    |        |
| ....4 | C120         | 2203-005809 | C-CER,CHIP;1000nF,10%,16V,X7R,-,2012    | 1    | S.A    |        |
| ....4 | C120         | 2203-005834 | C-CER,CHIP;22000nF,+80-20%,10V,Y5V,3216 | 1    | S.A    |        |
| ....4 | C120         | 2203-005834 | C-CER,CHIP;22000nF,+80-20%,10V,Y5V,3216 | 1    | S.A    |        |



## 5. Exploded View & Part List

[illegible]

## 5. Exploded View & Part List

[illegible]



## 5. Exploded View & Part List

[illegible]

## 5. Exploded View & Part List

[illegible]

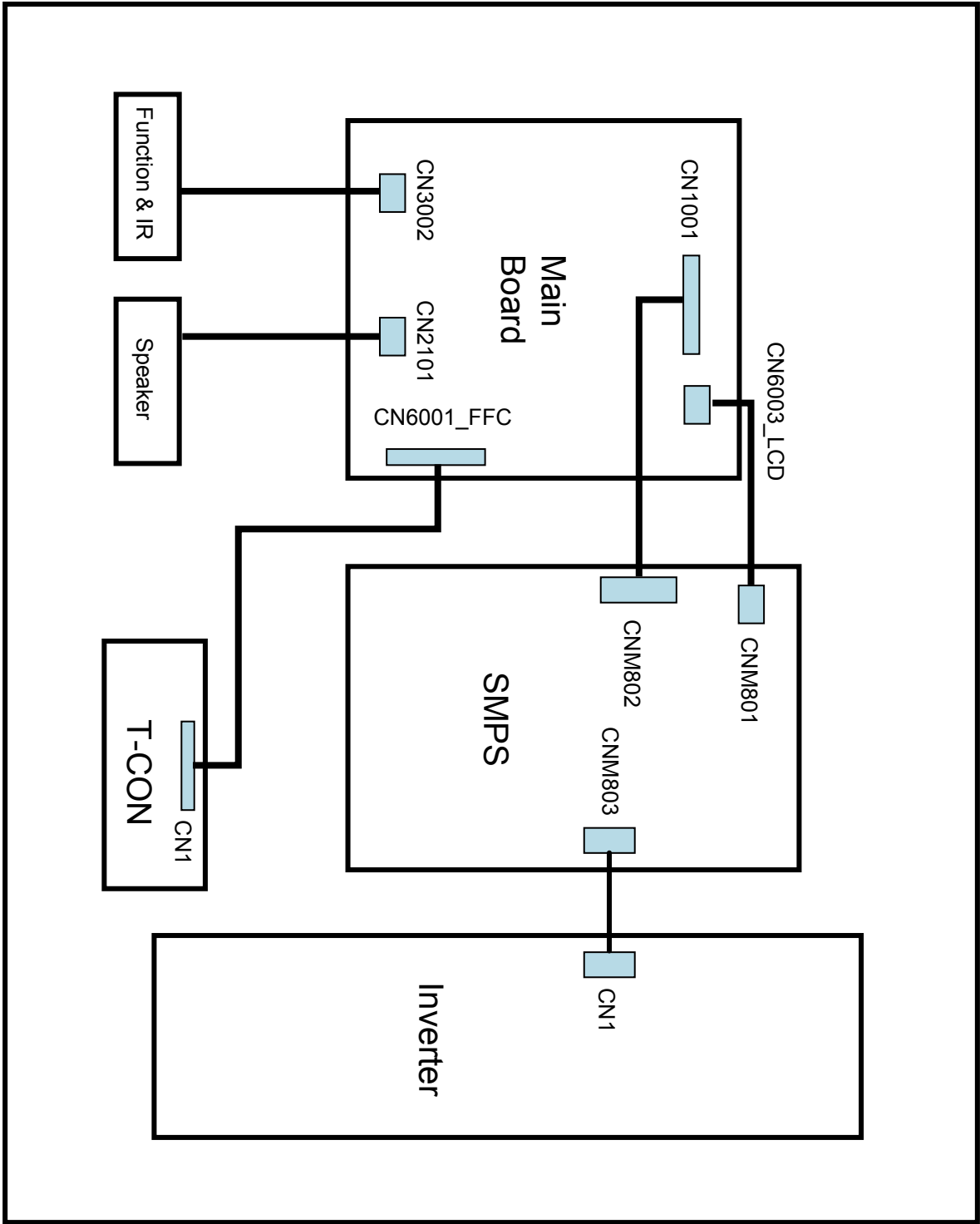
| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ....4 | T0052        | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225               | 1    | S.A    |        |
| ....4 | T0052        | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225               | 1    | S.A    |        |
| ....4 | T0052        | 2703-000417 | INDUCTOR-SMD;220uH,5%,3225               | 1    | S.A    |        |
| ....4 | T0052        | 2703-001426 | INDUCTOR-SMD;680uH,20%,7070              | 1    | S.A    |        |
| ....4 | T0052        | 2703-001778 | INDUCTOR-SMD;3.3uH,20%,3225              | 1    | S.A    |        |
| ....4 | T0052        | 2703-003362 | INDUCTOR-SMD;4.7uH,20%,7070              | 1    | S.A    |        |
| ....4 | L2001        | 2704-000018 | INDUCTOR-SMD-ARRAY;15uH,2000mA,2,0.124oh | 1    | S.N.A  |        |
| ....4 | L2002        | 2704-000018 | INDUCTOR-SMD-ARRAY;15uH,2000mA,2,0.124oh | 1    | S.N.A  |        |
| ....4 | X202         | 2801-003667 | CRYSTAL-SMD;14.31818MHz,30ppm,28-AAN,16p | 1    | S.A    |        |
| ....4 | T0568        | 3301-000314 | BEAD-SMD;120ohm,1.6x0.8x0.8mm,-,-,-      | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-000314 | BEAD-SMD;120ohm,1.6x0.8x0.8mm,-,-,-      | 1    | S.N.A  |        |
| ....4 | G101         | 3301-000316 | CORE-FERRITE BEAD;120ohm,2012,TP,-,-     | 1    | S.N.A  |        |
| ....4 | G101         | 3301-000316 | CORE-FERRITE BEAD;120ohm,2012,TP,-,-     | 1    | S.N.A  |        |
| ....4 | G101         | 3301-000316 | CORE-FERRITE BEAD;120ohm,2012,TP,-,-     | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001145 | BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001145 | BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001145 | BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001145 | BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001145 | BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001145 | BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001148 | BEAD-SMD;60ohm,1608,TP,-,-               | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001148 | BEAD-SMD;60ohm,1608,TP,-,-               | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001148 | BEAD-SMD;60ohm,1608,TP,-,-               | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001236 | BEAD-SMD;60ohm,1608,-,-,-                | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001236 | BEAD-SMD;60ohm,1608,-,-,-                | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001236 | BEAD-SMD;60ohm,1608,-,-,-                | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001324 | BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm    | 1    | S.A    |        |
| ....4 | T0568        | 3301-001324 | BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm    | 1    | S.A    |        |
| ....4 | T0568        | 3301-001324 | BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm    | 1    | S.A    |        |
| ....4 | T0568        | 3301-001324 | BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm    | 1    | S.A    |        |
| ....4 | T0568        | 3301-001324 | BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm    | 1    | S.A    |        |
| ....4 | T0568        | 3301-001324 | BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm    | 1    | S.A    |        |
| ....4 | T0568        | 3301-001393 | BEAD-SMD;60ohm,3216,1500mA,TP,41ohm/40MH | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001404 | BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz     | 1    | S.A    |        |
| ....4 | T0568        | 3301-001404 | BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz     | 1    | S.A    |        |
| ....4 | T0568        | 3301-001404 | BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz     | 1    | S.A    |        |
| ....4 | T0568        | 3301-001404 | BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz     | 1    | S.A    |        |
| ....4 | T0568        | 3301-001404 | BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz     | 1    | S.A    |        |
| ....4 | T0568        | 3301-001404 | BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz     | 1    | S.A    |        |
| ....4 | T0568        | 3301-001404 | BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz     | 1    | S.A    |        |
| ....4 | T0568        | 3301-001404 | BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz     | 1    | S.A    |        |
| ....4 | JA3001       | 3701-001367 | CONNECTOR-HDMI;19P,2R,FEMALE,SMD,AU      | 1    | S.A    |        |

## 5. Exploded View &amp; Part List

| Level  | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|--------|--------------|-------------|--|------|--------|--------|
| ....4  | JA3002       | 3701-001367 | CONNECTOR-HDMI;19P,2R,FEMALE,SMD,AU      | 1    | S.A    |        |
| ....4  | CN6001_FFC   | 3708-001150 | CONNECTOR-FPC/FFC/PIC;30P,1mm,SMD-A,SN,Y | 1    | S.A    |        |
| ....4  | T0077        | BN41-00987A | PCB MAIN;CORAL 450 REV,FR-4,4,1.0,1.2T   | 1    | S.N.A  |        |
| ....4  | M0107        | BN61-03858A | BRACKET-PCB;L450,BRASS(H62Y),T0.4,5mm,7m | 1    | S.N.A  |        |
| ....4  | M0107        | BN61-03858A | BRACKET-PCB;L450,BRASS(H62Y),T0.4,5mm,7m | 1    | S.N.A  |        |
| ....4  | M0107        | BN61-03858A | BRACKET-PCB;L450,BRASS(H62Y),T0.4,5mm,7m | 1    | S.N.A  |        |
| ....4  | M0107        | BN61-03858A | BRACKET-PCB;L450,BRASS(H62Y),T0.4,5mm,7m | 1    | S.N.A  |        |
| ....4  | R110         | 2007-000115 | R-CHIP;82ohm,5%,1/10W,TP,1608            | 1    | S.A    |        |
| ....4  | C120         | 2203-006708 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,1608   | 1    | S.A    |        |
| ....4  | C6045_CMO    | 2402-001086 | C-AL,SMD;100UF,20%,16V,WT,TP,6.6X6.6X5.3 | 1    | S.A    |        |
| ....4  | MAIN         | BN97-02175A | ASSY MICOM-MAIN;T-CRL26MSAM-0102.0,2008- | 1    | S.N.A  |        |
| .....5 | IC115        | 1107-001709 | IC-FLASH MEMORY;MX25L1605A,16Mbit,2Mx8,S | 1    | S.A    |        |
| ....4  | R110         | 2007-001305 | R-CHIP;120ohm,5%,1/16W,TP,1005           | 1    | S.N.A  |        |
| ....4  | R110         | 2007-001305 | R-CHIP;120ohm,5%,1/16W,TP,1005           | 1    | S.N.A  |        |
| ...3   | JA333        | 3722-002699 | JACK-PIN;3P,Ni,YEL/WHT/RED,STRAIGHT      | 1    | S.A    |        |
| ...3   | HDCP         | BN97-01987A | ASSY HDCP;BN46-00018A,PS-42V6S,D73A,MSTA | 1    | S.N.A  |        |
| ....4  | KEY          | BN46-00018A | KEY CODE-CERTIFICATE;(HDCP KEY)PPM42M5S, | 1    | S.N.A  |        |
| ...3   | T0530        | BN61-04203A | SUPPORT-PCB;-;SPTE,W7*L9* H11,-,-,-,-    | 1    | S.N.A  |        |
| ...3   | HOLDER-CLA   | BN61-02470C | HOLDER-CLAMP DMD;NYLON 6/6,NATURAL,DACN- | 1    | S.N.A  |        |
|        |              |             |  |      |        |        |
| 0.1    | M0113        | BN92-03175B | ASSY P/MATERIAL;37L450,W/W               | 1    | S.N.A  |        |
| ..2    | T0524        | 6902-000524 | BAG PE;HDPE/NITRON,T0.015/T0.5,W1200,L11 | 1    | S.N.A  |        |
| ..2    | B/PP         | 6922-000013 | BAND PP;PP,W18,L2300m,TRP,Roll Diameter  | 4.71 | S.N.A  |        |
| ..2    | T0214        | AA61-20285C | HOLDER-BOX;CORAL,PP,BLACK,HB             | 2    | S.N.A  |        |
|        |              |             |  |      |        |        |
| 0.1    | M0003        | BN92-03169P | ASSY BOX;37L450,SO                       | 1    | S.N.A  |        |
| ..2    | B/OUT        | BN69-02292A | BOX-SET,OUT;L450-37,CB,C-03,DY-01,AB,W99 | 1.02 | S.N.A  |        |
| ..2    | M0521        | BN69-02293A | BOX-SET,IN;L450-37,CB,C-01,DY-01,AB,W139 | 1.02 | S.N.A  |        |
|        |              |             |  |      |        |        |
| 0.1    | M0019        | BN92-03380N | ASSY LABEL;LN37A450C1X*,CORAL            | 1    | S.N.A  |        |

6. Wiring Diagram

6-1. Wiring Diagram



COMP2 ( JA3009 )

|   |             |
|---|-------------|
| 1 | GND         |
| 2 | IDENT_COMP2 |
| 3 | COMP2_Y     |
| 4 | GND         |
| 5 | COMP2_Pb    |
| 6 | COMP2_Pb    |
| 7 | GND         |
| 8 | COMP2_Pr    |
| 9 | COMP2_Pr    |
| 1 | GND         |
| 2 | COMP2_SR_IN |
| 3 | COMP2_SL_IN |
| 4 | GND         |
| 5 | COMP2_SL_IN |
| 6 | COMP2_SR_IN |

COMP1 (JA3013)

|   |             |
|---|-------------|
| 1 | GND         |
| 2 | IDENT_COMP1 |
| 3 | COMP1_Y     |
| 4 | GND         |
| 5 | COMP1_Pb    |
| 6 | COMP1_Pb    |
| 7 | GND         |
| 8 | COMP1_Pr    |
| 9 | COMP1_Pr    |
| 1 | GND         |
| 2 | COMP1_SR_IN |
| 3 | COMP1_SL_IN |
| 4 | GND         |
| 5 | COMP1_SL_IN |
| 6 | COMP1_SR_IN |

Power and Dimming ( CN1001 )

|    |           |
|----|-----------|
| 1  | HSYNC_OUT |
| 2  | GND       |
| 3  | GND       |
| 4  | ASV       |
| 5  | GND       |
| 6  | GND       |
| 7  | 13VS      |
| 8  | 13VS      |
| 9  | GND       |
| 10 | GND       |
| 11 | GND       |
| 12 | GND       |
| 13 | B5V       |
| 14 | B5V       |
| 15 | B5V       |
| 16 | B5V       |
| 17 | GND       |
| 18 | GND       |
| 19 | GND       |
| 20 | 13V       |
| 21 | 13V       |
| 22 | 13V       |
| 23 | N.C       |
| 24 | N.C       |

Side AV(CN3212)

|   |               |
|---|---------------|
| 1 | GND           |
| 2 | IDENT_SIDE_AV |
| 3 | AV_CBVS       |
| 4 | GND           |
| 5 | SIDE_AV_SR_IN |
| 6 | SIDE_AV_SL_IN |
| 7 | GND           |
| 8 | SIDE_AV_SL_IN |
| 9 | SIDE_AV_SR_IN |

Audio PC ( JA3005 )

|   |          |
|---|----------|
| 1 | GND      |
| 2 | PC_SL_IN |
| 3 | PC_SR_IN |
| 4 | PC_SR_IN |
| 5 | PC_SR_IN |
| 6 | PC_SL_IN |
| 7 | PC_SL_IN |

DVI SOUND INPUT ( JA3007 )

|   |           |
|---|-----------|
| 1 | GND       |
| 2 | DVI_SR_IN |
| 3 | DVI_SL_IN |
| 4 | GND       |
| 5 | DVI_SL_IN |
| 6 | DVI_SR_IN |

HDMI 1 Connection (JA3001)

|    |                      |
|----|----------------------|
| 1  | HDMI1_RX2+           |
| 2  | GND                  |
| 3  | HDMI1_RX2-           |
| 4  | HDMI1_RX1+           |
| 5  | GND                  |
| 6  | HDMI1_RX1-           |
| 7  | HDMI1_RX0+           |
| 8  | GND                  |
| 9  | HDMI1_RX0-           |
| 10 | HDMI1_RXCLK+         |
| 11 | GND                  |
| 12 | HDMI1_RXCLK-         |
| 13 | 5.2 V zener          |
| 14 | 5.2 V zener          |
| 15 | HDMI_DDC_SCL         |
| 16 | HDMI_DDC_SDA         |
| 17 | GND                  |
| 18 | HDMI_5V / Ident_HDMI |
| 19 | HDMI_5V / Ident_HDMI |
| 20 | GND                  |
| 21 | GND                  |

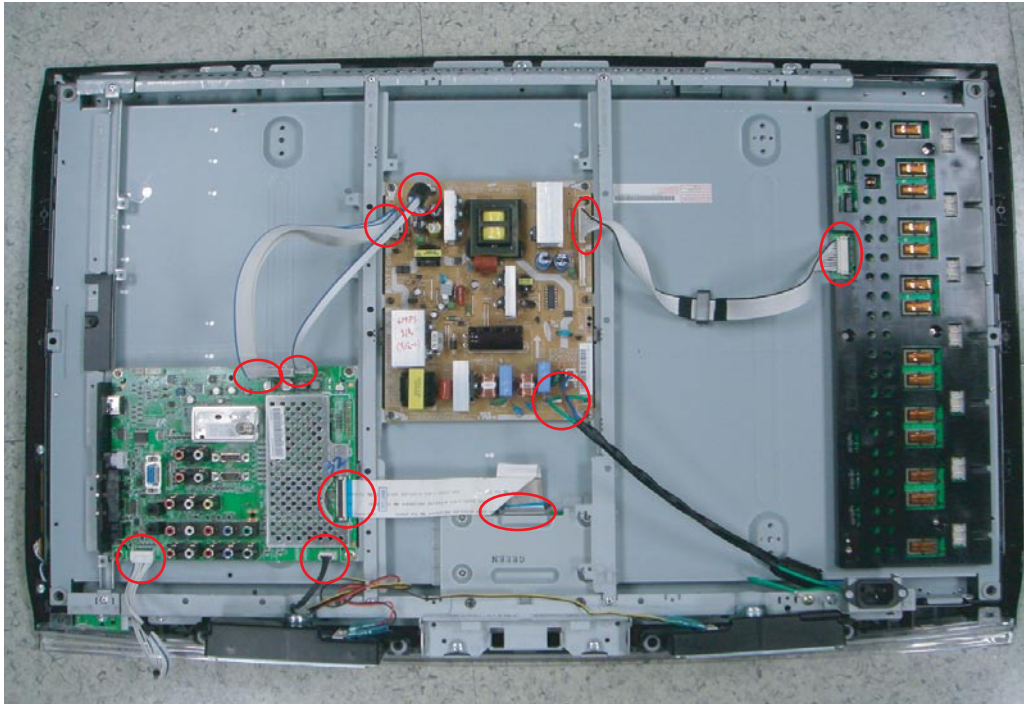
HDMI 2 Connection (JA3002)

|    |                      |
|----|----------------------|
| 1  | HDMI1_RX2+           |
| 2  | GND                  |
| 3  | HDMI1_RX2-           |
| 4  | HDMI1_RX1+           |
| 5  | GND                  |
| 6  | HDMI1_RX1-           |
| 7  | HDMI1_RX0+           |
| 8  | GND                  |
| 9  | HDMI1_RX0-           |
| 10 | HDMI1_RXCLK+         |
| 11 | GND                  |
| 12 | HDMI1_RXCLK-         |
| 13 | 5.2 V zener          |
| 14 | 5.2 V zener          |
| 15 | HDMI_DDC_SCL         |
| 16 | HDMI_DDC_SDA         |
| 17 | GND                  |
| 18 | HDMI_5V / Ident_HDMI |
| 19 | HDMI_5V / Ident_HDMI |
| 20 | GND                  |
| 21 | GND                  |

HDMI 3 Connection (JA3003\_3H)

|    |                      |
|----|----------------------|
| 1  | HDMI1_RX2+           |
| 2  | GND                  |
| 3  | HDMI1_RX2-           |
| 4  | HDMI1_RX1+           |
| 5  | GND                  |
| 6  | HDMI1_RX1-           |
| 7  | HDMI1_RX0+           |
| 8  | GND                  |
| 9  | HDMI1_RX0-           |
| 10 | HDMI1_RXCLK+         |
| 11 | GND                  |
| 12 | HDMI1_RXCLK-         |
| 13 | 5.2 V zener          |
| 14 | 5.2 V zener          |
| 15 | HDMI_DDC_SCL         |
| 16 | HDMI_DDC_SDA         |
| 17 | GND                  |
| 18 | HDMI_5V / Ident_HDMI |
| 19 | HDMI_5V / Ident_HDMI |
| 20 | GND                  |
| 21 | GND                  |

## 6-2. Wiring Picture

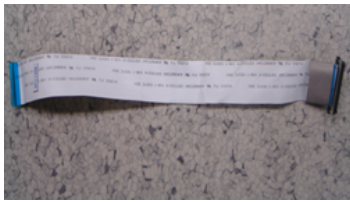


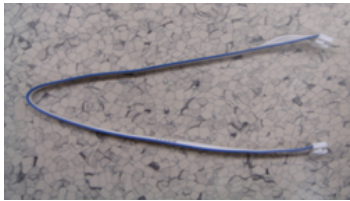
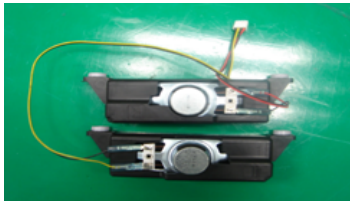





### 6-3. Connector Functions

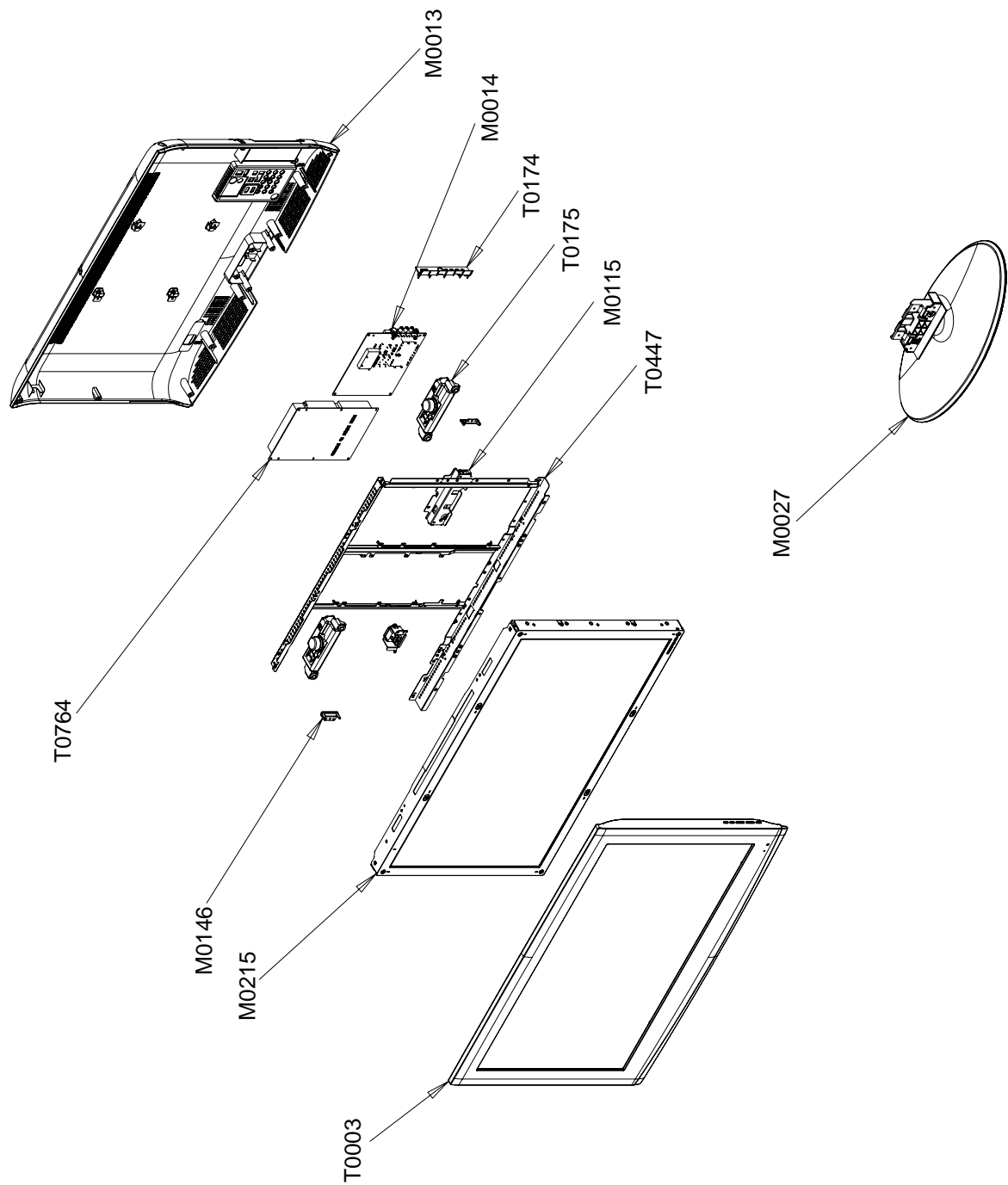
| Connector                     | Functions  |
|-------------------------------|--|
| CN1001 <-> CNM802             | Supply dimming power from SMPS to Main Board.<br>* defective symptom : abnormal Picture                    |
| CN2101 <-> SPEAKER            | Connection Main Board and Speaker.<br>* defective symptom : No picture                                     |
| CN3002 <-> Function & IR      | Connection Main Board and Function & IR Assy.<br>* defective symptom : No picture, diable Power On/Off     |
| CN6001_FFC <-> T-CON          | The LVDS signal transferred from Main Board to Panel.<br>* defective symptom : No picture but normal sound |
| CNM803 <-> CN1                | Supply power and signal from SMPS to Inverter.<br>* defective symptom : No picture but normal sound        |
| CN801S,GT801 <-> Inlet Socket | Supply power from Inlet Socket to SMPS.<br>* defective symptom : No picture but normal sound               |

**6-4. Cables**

|              |   |  |   |
|--------------|---|--|---|
| <b>Use</b>   | (1) LVDS CONNECTOR  | (2) CONNECTOR POWER 24p  | CONNECTOR TO PANEL<br>INVERTER  |
| <b>Code</b>  | BN96-07158C (37")/<br>BN96-07158A (32")   | BN39-00802C (37")/<br>BN39-00802G (32")  | BN96-00849C (37")/<br>BN96-00603L (32")   |
| <b>Photo</b> |  |  |  |
| <b>Use</b>   | (3) DIMMING CONNECTOR TO<br>SMPS  | (4) ASSY-SPEAKER   | (5) IR to FUNCTION  |
| <b>Code</b>  | BH39-00362C (37")/<br>BN39-00789A (32")   | BN96-06818A (37")/<br>BN96-06818C (32")  | BN96-07270D (32"/37")   |
| <b>Photo</b> |  |  |  |

5. Exploded View & Part List

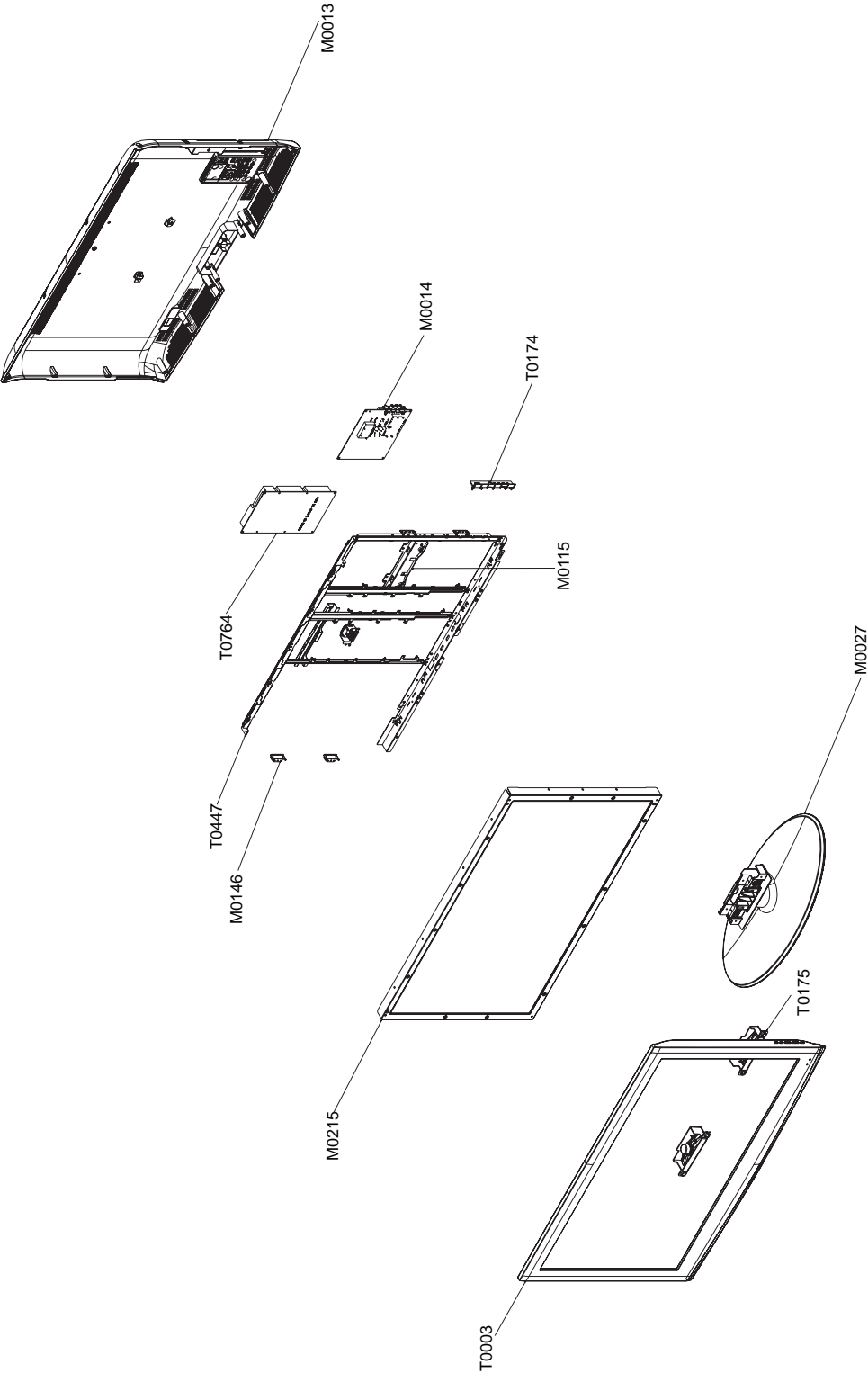
5-1. LN32A450C1X Exploded View



**5-1-2. LN32A450C1X Parts List**

| Location No. | Code No.    | Description & Specification              | Q'ty | S.A/S.N.A | Remark |
|--------------|-------------|--|------|-----------|--------|
| T0003        | BN96-06784H | ASSY COVER P-FRONT;32L450,LO,ABS+PMMA,HB | 1    | S.A       |        |
| M0215        | BN07-00521A | LCD-PANEL;LTF320AA01                     | 1    | S.A       |        |
| T0175        | BN96-06818E | ASSY SPEAKER P;8ohm,CORAL,L450,10W,400/2 | 1    | S.A       |        |
| T0447        | BN96-06958A | ASSY BRACKET P-PANEL;32L450,AM,CMO,AUO,, | 1    | S.N.A     |        |
| M0014        | BN94-01713E | ASSY PCB MAIN;LN32A450C1XZD              | 1    | S.A       |        |
| M0254        | BN61-03699B | HOLDER-SIDE AV;32L450,-,-,-,-,BN61-036   | 1    | S.N.A     |        |
| M0115        | BN61-02947A | BRACKET-STAND LINK;JASMINE 32",SECC,T1.6 | 1    | S.A       |        |
| T0101        | BN61-03348A | BRACKET-WALL;LCD TV 32,SECC T1.2,-,-,-,- | 4    | S.N.A     |        |
| M0013        | BN96-06462C | ASSY COVER P-REAR;32L450,SO,HIPS,HB,BK50 | 1    | S.A       |        |
| M0027        | BN96-07211A | ASSY STAND P-BASE;32L450,W/W,ABS+PMMA,HB | 1    | S.A       |        |

5-2. LN37A450C1X Exploded View



**5-2-1. LN37A450C1X Parts List**

| Location No. | Code No.    | Description & Specification              | Q'ty | S.A/S.N.A | Remark |
|--------------|-------------|--|------|-----------|--------|
| T0003        | BN96-06785F | ASSY COVER P-FRONT;37L450,LO,ABS+PMMA,HB | 1    | S.A       |        |
| M0215        | BN07-00507A | LCD-PANEL;CLAA370WF02S                   | 1    | S.A       |        |
| T0447        | BN96-06959A | ASSY BRACKET P-PANEL;37L450,CPT,AUO,,SEC | 1    | S.N.A     |        |
| M0027        | BN96-07182A | ASSY STAND P-BASE;37,40L450,UO,ABS+PMMA, | 1    | S.A       |        |
| M0115        | BN61-02882A | BRACKET-STAND LINK;TULIP,40,SECC,T1.6,-, | 1    | S.N.A     |        |
| M0146        | BN61-03684B | BRACKET-PANEL TOP;L450 37INCH,SECC,T1.0  | 1    | S.N.A     |        |
| T0175        | BN96-06818A | ASSY SPEAKER P;8ohm,CORAL,LCD,PDP,10W,4p | 1    | S.A       |        |
| M0014        | BN94-01713Q | ASSY PCB MAIN;LN37A450C1*,CORAL          | 1    | S.A       |        |
| M0013        | BN96-06789B | ASSY COVER P-REAR;37L450,SO,HIPS,HB,BK50 | 1    | S.A       |        |

### 5-3. LN32A450C1X Parts List

| Level | Location No. | Code No.      | Description & Specification               | Q'ty | SA/SNA | Remark |
|-------|--------------|---------------|---|------|--------|--------|
|       |              | LN32A450C1XZB | LN32A450C1,N55A/32AC1-GCR,32,LCD-TV,ARGE  |      |        |        |
| 0.1   | M0001        | BN90-01501H   | ASSY COVER FRONT;32L450,LO                | 1    | S.N.A  |        |
| ..2   | T0175        | BN96-06818E   | ASSY SPEAKER P;8ohm,CORAL,L450,10W,350/1  | 1    | S.A    |        |
| ..2   | T0003        | BN96-08034A   | ASSY COVER P-FRONT;32L450,LO,ZD,ABS+PMMA  | 1    | S.A    |        |
| ...3  | M0081        | 6003-001188   | SCREW-TAPTITE;BH,+, -,B,M4,L10,ZPC(WHT),S | 1    | S.A    |        |
| ...3  | M0081        | 6003-001188   | SCREW-TAPTITE;BH,+, -,B,M4,L10,ZPC(WHT),S | 2    | S.A    |        |
| ...3  | M0279        | AA63-01637A   | FELT;50P9,FELT,0.5,10,80                  | 1    | S.N.A  |        |
| ...3  | CCM1         | BN63-02183F   | COVER-SHEET;Rhcm,PE Vinyl,T0.05,900mm,20  | 0.74 | S.N.A  |        |
| ...3  | M0112        | BN63-04166H   | COVER-FRONT;32L450,LO,ABS+PMMA,-,-,-,HB,  | 1    | S.N.A  |        |
| ...3  | T0059        | BN64-00379A   | INDICATOR LED;ROME-II,23,PC,CLEAR         | 1    | S.N.A  |        |
| ...3  | T0061        | BN64-00453A   | WINDOW-REMOCON;32R71,PC,V0,VIOLET,DIFFUS  | 1    | S.N.A  |        |
| ...3  | T0022        | BN64-00755A   | KNOB-CONTROL;32L450,ABS,V0,BK07           | 1    | S.N.A  |        |
| ...3  |              | BN64-00756A   | DECORATION-BOTTOM;L450 32INCH,PC,-,-,-,-  | 1    | S.N.A  |        |
| ...3  |              | BN96-06794B   | ASSY HOLDER P-BOSS;32L450,EO,HIPS,HB,,BK  | 1    | S.N.A  |        |
| ....4 | B/TAPE       | BN61-03261B   | BOSS-TAPE;Tulip,ACRYL,T1.1,W20mm,GRAY,TA  | 0.57 | S.N.A  |        |
| ....4 | H/BBOTTOM    | BN61-03675B   | HOLDER-BOSS BOTTOM;32L450,EO,HIPS,HB,-,-  | 1    | S.N.A  |        |
| ...3  | M0145        | BN96-07269A   | ASSY BOARD P-FUNCTION;LN40A450C1D,CT5000  | 1    | S.A    |        |
| ...3  | M0146        | BN96-07270D   | ASSY BOARD P-POWER & IR;LN32A450C1D,CT50  | 1    | S.A    |        |
| ...3  | T0069        | BP60-00015R   | SPACER-FELT;L450,FELT,L710,BLK,T0.35,W10  | 2    | S.N.A  |        |
| ...3  | T0069        | BP60-00015S   | SPACER-FELT;L450 32",FELT,L410,BLK,T0.35  | 2    | S.N.A  |        |
| 0.1   | M0002        | BN90-01506C   | ASSY COVER REAR;32L450,SO                 | 1    | S.N.A  |        |
| ..2   | T0081        | 6002-001294   | SCREW-TAPPING;BH,+, ,M4,L16,ZPC(BLK)      | 1    | S.A    |        |
| ..2   | T0081        | 6002-001294   | SCREW-TAPPING;BH,+, ,M4,L16,ZPC(BLK)      | 11   | S.A    |        |
| ..2   | M0013        | BN96-06462C   | ASSY COVER P-REAR;32L450,SO,HIPS,HB,BK50  | 1    | S.A    |        |
| ...3  | M0081        | 6003-001188   | SCREW-TAPTITE;BH,+, -,B,M4,L10,ZPC(WHT),S | 4    | S.A    |        |
| ...3  | T0101        | BN61-03348A   | BRACKET-WALL;LCD TV 32,SECC T1.2,-,-,-,-  | 4    | S.N.A  |        |
| ...3  | M0006        | BN63-04172C   | COVER-REAR;32L450,SO,LO,CO,HIPS,-,-,-,HB  | 1    | S.N.A  |        |
| ...3  | T0071        | BN64-00760A   | INLAY-TERMINAL;L450,SO,PS SHEET,T0.5,104  | 1    | S.N.A  |        |
| ...3  | T0064        | BN65-00002A   | CLAMPER CORE;BORDEAUX,LDPE,-,-,BLK,-      | 1    | S.N.A  |        |
| ...3  | T0069        | AA60-00091J   | SPACER-FELT;- ,FELT,330X10,-,-,BLK,T0.5,- | 2    | S.N.A  |        |
| ..2   | M0081        | 6003-000115   | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC  | 1    | S.A    |        |
| 0.1   | A/LCD        | BN91-01985A   | ASSY LCD-AMLCD;LN32A450C1DXZA, LTF320AA0  | 1    | S.N.A  |        |
| ..2   | M0215        | BN07-00521A   | LCD-PANEL;LTF320AA01                      | 1    | S.A    |        |
| 0.1   | M0112        | BN91-02200B   | ASSY SHIELD;LN32A450C1XZD                 | 1    | S.N.A  |        |
| ..2   | M0081        | 6003-000115   | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC  | 4    | S.A    |        |
| ..2   | M0081        | 6003-000115   | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC  | 6    | S.A    |        |
| ..2   | M0081        | 6003-000337   | SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR  | 4    | S.A    |        |
| ..2   | M0081        | 6003-001188   | SCREW-TAPTITE;BH,+, -,B,M4,L10,ZPC(WHT),S | 2    | S.A    |        |
| ..2   | M0081        | 6003-001188   | SCREW-TAPTITE;BH,+, -,B,M4,L10,ZPC(WHT),S | 2    | S.A    |        |
| ..2   | M0081        | 6003-001188   | SCREW-TAPTITE;BH,+, -,B,M4,L10,ZPC(WHT),S | 8    | S.A    |        |
| ..2   | M0081        | 6003-001439   | SCREW-TAPTITE;BH,+, -,S,M4,L8,ZPC(WHT),SW | 1    | S.N.A  |        |
| ..2   | M2893        | BN39-00603L   | LEAD CONNECTOR;LE32R73BDX,UL1007#26,14P,  | 1    | S.A    |        |
| ..2   | M0258        | BN39-00615Q   | CBF HARNESS-INLET SOCKET;LN40A450C1D,UL1  | 1    | S.A    |        |
| ..2   | M2893        | BN39-00789A   | LEAD CONNECTOR;LA46F71BX,UL1007#26,UL100  | 1    | S.A    |        |

## 5. Exploded View & Part List

| Level | Location No. | Code No.    | Description & Specification              | Q'ty  | SA/SNA | Remark |
|-------|--------------|-------------|--|-------|--------|--------|
| ..2   | M2893        | BN39-00802G | LEAD CONNECTOR;SPD-63P71FHD,UL1617#22,24 | 1     | S.A    |        |
| ..2   | T0764        | BN44-00209A | SMPS-LCDTV;MK32P5B,SEM,AC/DC,137W,AC100  | 1     | S.A    |        |
| ..2   | M0115        | BN61-02947A | BRACKET-STAND LINK;JASMINE 32",SECC,T1.6 | 1     | S.N.A  |        |
| ..2   | M0146        | BN61-03265A | BRACKET-PANEL SIDE;JASMINE,SECC 1.2,AMLC | 2     | S.N.A  |        |
| ..2   | T0447        | BN96-06958A | ASSY BRACKET P-PANEL;32L450,AM,CMO,AUO,, | 1     | S.N.A  |        |
| ...3  | M0131        | AA63-01236A | GASKET;FIRENZE,Conductive Fabric,3mm,12m | 1     | S.N.A  |        |
| ...3  | M0131        | AA63-01401A | GASKET;LE40R71BX,Conductive Fabric,22mm, | 2     | S.N.A  |        |
| ...3  | M0131        | AA63-01437A | GASKET;Bordeaux,Conductive Fabric,20mm,9 | 1     | S.N.A  |        |
| ...3  | M0146        | BN61-03678A | BRACKET-PANEL TOP;32L450,SECC,T1.0,-,-,- | 1     | S.N.A  |        |
| ...3  | B/GMAIN      | BN61-03683A | BRACKET-GUIDE MAIN;L450 32INCH,SECC,T1.0 | 1     | S.N.A  |        |
| ...3  | B/PBOTTOM    | BN61-03685A | BRACKET-PANEL BOTTOM;L450 32INCH,SECC,T1 | 1     | S.N.A  |        |
| ...3  | B/GPRIGHT    | BN61-03686A | BRACKET-GUIDE POWER;L450 32INCH,SECC,T1. | 1     | S.N.A  |        |
| ...3  | B/GPLEFT     | BN61-03691A | BRACKET-GUIDE POWER;L450 32INCH,SECC,T1. | 1     | S.N.A  |        |
| ...3  | M0081        | 6003-000115 | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC | 2     | S.A    |        |
| ...3  | M0081        | 6003-000115 | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC | 2     | S.A    |        |
| ...3  | M0081        | 6003-000115 | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC | 2     | S.A    |        |
| ..2   | M0214        | BN96-07158Y | ASSY CABLE P-FLAT;CORAL(emerging_32_ne,F | 1     | S.A    |        |
| ..2   | M0114        | BN61-02500A | HOLDER-WIRE;NYLON6.6,NATURAL             | 4     | S.N.A  |        |
| ..2   | M0254        | BN61-03699F | HOLDER-SIDE AV;32L450,UO,HIPS,V0,-,-,-,B | 1     | S.N.A  |        |
| ..2   |              | BN68-01402C | MANUAL FLYER-STAND GUIDE;COMM,SAMSUNG,En | 1     | S.N.A  |        |
|       |              |             |  |       |        |        |
| 0.1   | M0017        | BN91-02201B | ASSY CHASSIS;LN32A450C1XZD               | 1     | S.N.A  |        |
| ..2   | M0014        | BN94-01713E | ASSY PCB MAIN;LN32A450C1XZD              | 1     | S.A    |        |
| ...3  | T0245        | 0202-001608 | SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0. | 0.25  | S.N.A  |        |
| ...3  | JA3003_3H    | 3701-001388 | CONNECTOR-HDMI;20P,Phosphor Bronze,ANGLE | 1     | S.A    |        |
| ...3  | JA3004_OP    | 3701-001480 | CONNECTOR-DSUB;15P,3R,FEMAIL,STAMPED PIN | 1     | S.A    |        |
| ...3  | CN330        | 3711-000012 | HEADER-BOARD TO CABLE;BOX,4P,1R,2.5MM,ST | 1     | S.A    |        |
| ...3  | CN330        | 3711-003846 | HEADER-BOARD TO CABLE;BOX,8P,1R,2mm,ANGL | 1     | S.A    |        |
| ...3  | CN330        | 3711-004379 | HEADER-BOARD TO CABLE;BOX,4P,1R,2mm,STRA | 1     | S.A    |        |
| ...3  | CN330        | 3711-004484 | HEADER-BOARD TO CABLE;BOX,5P,1R,2mm,STRA | 1     | S.A    |        |
| ...3  | CN330        | 3711-004484 | HEADER-BOARD TO CABLE;BOX,5P,1R,2mm,STRA | 1     | S.A    |        |
| ...3  | CN330        | 3711-005842 | HEADER-BOARD TO CABLE;BOX,24P,2R,2MM,STR | 1     | S.A    |        |
| ...3  | JA330        | 3722-001055 | JACK-PHONE;5P/2C,AG,BLK,ANGLE            | 1     | S.A    |        |
| ...3  | JA330        | 3722-001061 | JACK-PHONE;1P,3.6PI,AG,BLK,N             | 1     | S.A    |        |
| ...3  | JA330        | 3722-001061 | JACK-PHONE;1P,3.6PI,AG,BLK,N             | 1     | S.A    |        |
| ...3  | JA333        | 3722-002143 | JACK-PIN;5P,NI,GRN/BLU/RED/WHT/RED,STRAI | 1     | S.A    |        |
| ...3  | CN3214       | 3722-002275 | JACK-DIN;4P,-,SN,BLK,-                   | 1     | S.A    |        |
| ...3  | JA333        | 3722-002691 | JACK-PIN;2P,Ni,WHT/RED,STRAIGHT          | 1     | S.A    |        |
| ...3  | JA333        | 3722-002691 | JACK-PIN;2P,Ni,WHT/RED,STRAIGHT          | 1     | S.A    |        |
| ...3  | JA333        | 3722-002691 | JACK-PIN;2P,Ni,WHT/RED,STRAIGHT          | 1     | S.A    |        |
| ...3  | JA333        | 3722-002703 | JACK-PIN;3P,Ni,GRN/BLU/RED,STRAIGHT      | 1     | S.A    |        |
| ...3  | JA333        | 3722-002704 | JACK-PIN;3P,Sn,YEL/WHT/RED,ANGLE         | 1     | S.A    |        |
| ...3  | CIS3         | BN40-00113A | TUNER;HTM-6M/13F2S,HTM-6M/13F2S,PAL M,18 | 1     | S.A    |        |
| ...3  | M0107        | BN63-04527A | SHIELD-COVER;450 EO,SPTE,T0.3,PAL REFLE  | 1     | S.N.A  |        |
| ...3  | T0174        | BN97-02099E | ASSY SMD;LN32A450C1XZD                   | 1     | S.N.A  |        |
| ....4 | SUB05        | 0202-001477 | SOLDER-CREAM;LST309-M,-,D20~45um,96.5Sn/ | 2.235 | S.N.A  |        |
| ....4 | D2002        | 0401-000133 | DIODE-SWITCHING;RLS4148,75V,150mA,LL-34, | 1     | S.A    |        |
| ....4 | D2003        | 0401-000133 | DIODE-SWITCHING;RLS4148,75V,150mA,LL-34, | 1     | S.A    |        |
| ....4 | D2004        | 0401-000133 | DIODE-SWITCHING;RLS4148,75V,150mA,LL-34, | 1     | S.A    |        |
| ....4 | D2009        | 0401-000133 | DIODE-SWITCHING;RLS4148,75V,150mA,LL-34, | 1     | S.A    |        |
| ....4 | D2012        | 0401-000133 | DIODE-SWITCHING;RLS4148,75V,150mA,LL-34, | 1     | S.A    |        |



| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ....4 | D2019        | 0401-000133 | DIODE-SWITCHING;RLS4148,75V,150mA,LL-34, | 1    | S.A    |        |
| ....4 | D1004        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3003        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3004        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3006        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3007        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3008        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3009        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3010        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3011        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3012        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3013        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3016        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3017        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3019        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3021        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3022        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3023        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3024        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3025        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3026        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3027        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3030_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3031_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3034_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3035_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3036_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3037_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3038_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3039_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3040_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3041_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3045        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3046        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3047        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3061        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3062        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3064        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3066        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3202        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3203        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3204        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3205_PAD    | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3206        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3217        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3218        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3219        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3230        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3236        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D5002        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D5003        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |

## 5. Exploded View & Part List

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ....4 | D2001        | 0401-001099 | DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3 | 1    | S.A    |        |
| ....4 | D3063        | 0401-001099 | DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3 | 1    | S.A    |        |
| ....4 | D3065        | 0401-001099 | DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3 | 1    | S.A    |        |
| ....4 | D3067        | 0401-001099 | DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3 | 1    | S.A    |        |
| ....4 | D3077        | 0401-001099 | DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3 | 1    | S.A    |        |
| ....4 | D3079        | 0401-001099 | DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3 | 1    | S.A    |        |
| ....4 | D3080_3H     | 0401-001099 | DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3 | 1    | S.A    |        |
| ....4 | D3244        | 0401-001099 | DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3 | 1    | S.A    |        |
| ....4 | D2008        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3020        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3033_3H     | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3048        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3049        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3050        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3051        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3052        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3070        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3074        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D5001        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3002        | 0403-000771 | DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3015        | 0403-000771 | DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3029_3H     | 0403-000771 | DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3042        | 0403-000771 | DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD | 1    | S.A    |        |
| ....4 | D5008        | 0403-000771 | DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3001        | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2 | 1    | S.A    |        |
| ....4 | D3014        | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2 | 1    | S.A    |        |
| ....4 | D3028_3H     | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2 | 1    | S.A    |        |
| ....4 | D3208        | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2 | 1    | S.A    |        |
| ....4 | D5201        | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2 | 1    | S.A    |        |
| ....4 | D1005        | 0403-001425 | DIODE-ZENER;BZX84C33,31-35V,350mW,SOT-23 | 1    | S.A    |        |
| ....4 | D0254        | 0404-001020 | DIODE-SCHOTTKY;BAT54C,30V,200mA,SOT-23,T | 1    | S.A    |        |
| ....4 | D3053        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3054        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3055        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3056        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3057        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3058        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3068        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3069        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3213        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3215        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3223        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3224        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3225        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3226        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3227        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3231        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3232        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3233        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3237        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3238        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ....4 | D3239        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3240        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D2013        | 0407-000123 | DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT- | 1    | S.A    |        |
| ....4 | D3071        | 0407-000123 | DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT- | 1    | S.A    |        |
| ....4 | D3072        | 0407-000123 | DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT- | 1    | S.A    |        |
| ....4 | Q1001        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q1002_LCD    | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q2003        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q2004        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q2007        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q2008        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q2009        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q3006        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q3208        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q5002        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q5201        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q5202        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q6003_LCD    | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q2005        | 0501-000669 | TR-SMALL SIGNAL;KTA1505Y,PNP,150mW,SOT-2 | 1    | S.A    |        |
| ....4 | Q2006        | 0501-000669 | TR-SMALL SIGNAL;KTA1505Y,PNP,150mW,SOT-2 | 1    | S.A    |        |
| ....4 | Q1004_LCD    | 0501-002080 | TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59 | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-001165 | FET-SILICON;SI3443BDV,P,-20V,+4.4A,65mo  | 1    | S.A    |        |
| ....4 | Q409         | 0505-001170 | FET-SILICON;SI9933ADY-T1,P,-20V,3.4A,0.0 | 1    | S.A    |        |
| ....4 | IC2002       | 1001-000164 | IC-ANALOG MULTIPLEX;74HC4052,CMOS,SOP,16 | 1    | S.A    |        |
| ....4 | IC5203       | 1001-000164 | IC-ANALOG MULTIPLEX;74HC4052,CMOS,SOP,16 | 1    | S.A    |        |
| ....4 | IC106        | 1001-001440 | IC-VIDEO SWITCH;SiI9185CTU,QFP,80P,3.3V, | 1    | S.A    |        |
| ....4 | IC110        | 1006-001076 | IC-DRIVER/RECEIVER;MAX232ECWE+T,SOP,16P, | 1    | S.A    |        |
| ....4 | IC112        | 1103-000129 | IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x | 1    | S.A    |        |
| ....4 | IC112        | 1103-000129 | IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x | 1    | S.A    |        |
| ....4 | IC112        | 1103-000129 | IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x | 1    | S.A    |        |
| ....4 | IC112        | 1103-000129 | IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x | 1    | S.A    |        |
| ....4 | IC112        | 1103-000129 | IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x | 1    | S.A    |        |
| ....4 | IC112        | 1103-001385 | IC-EEPROM;AT24C256,256Kbit,32Kx8,SOP,8P, | 1    | S.A    |        |
| ....4 | IC5201       | 1105-001838 | IC-DDR SDRAM;EM6A9160TS0A-5G,DDR SDRAM,1 | 1    | S.A    |        |
| ....4 | DU410        | 1201-000166 | IC-OP AMP;LM358,SOP,ST,8P,150MIL,DUAL,10 | 1    | S.A    |        |
| ....4 | DU410        | 1201-000541 | IC-OP AMP;062,SOP,8P,153MIL,DUAL,6V/mV,P | 1    | S.A    |        |
| ....4 | T0085        | 1201-002487 | IC-AUDIO AMP;MAX9728A,QFN,12P,3x3mm,DUAL | 1    | S.A    |        |
| ....4 | T0124        | 1201-002677 | IC-POWER AMP;NTP3100,QFN56,56P,8x8mm,DUA | 1    | S.A    |        |
| ....4 | T0087        | 1203-001815 | IC-POSI.FIXED REG.;78M09,TO-252,3P,-,PLA | 1    | S.A    |        |
| ....4 | T0087        | 1203-002842 | IC-POSI.FIXED REG.;AP1117D-33A,TO-252,3P | 1    | S.A    |        |

## 5. Exploded View & Part List

[illegible]

## 5. Exploded View & Part List

[illegible]



## 5. Exploded View & Part List

[illegible]

## 5. Exploded View & Part List

[illegible]

## 5. Exploded View & Part List

[illegible]



## 5. Exploded View & Part List

[illegible]

## 5. Exploded View & Part List

[illegible]

## 5. Exploded View & Part List

[illegible]

## 5. Exploded View & Part List

| Level | Location No. | Code No.    | Description & Specification     | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|---------------------------------|------|--------|--------|
| ....4 | R110         | 2007-000173 | R-CHIP;22ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000242 | R-CHIP;1.5Kohm,5%,1/16W,TP,1005 | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000287 | R-CHIP;100ohm,1%,1/10W,TP,1608  | 1    | S.A    |        |
| ....4 | R110         | 2007-000287 | R-CHIP;100ohm,1%,1/10W,TP,1608  | 1    | S.A    |        |
| ....4 | R110         | 2007-000539 | R-CHIP;200ohm,5%,1/10W,TP,1608  | 1    | S.A    |        |
| ....4 | R110         | 2007-000651 | R-CHIP;27Kohm,1%,1/10W,TP,1608  | 1    | S.A    |        |
| ....4 | R110         | 2007-000763 | R-CHIP;330ohm,1%,1/10W,TP,1608  | 1    | S.A    |        |
| ....4 | R110         | 2007-000775 | R-CHIP;33Kohm,5%,1/16W,TP,1005  | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000775 | R-CHIP;33Kohm,5%,1/16W,TP,1005  | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000831 | R-CHIP;39Kohm,5%,1/16W,TP,1005  | 1    | S.A    |        |
| ....4 | R110         | 2007-000831 | R-CHIP;39Kohm,5%,1/16W,TP,1005  | 1    | S.A    |        |
| ....4 | R110         | 2007-000869 | R-CHIP;4.7Kohm,1%,1/10W,TP,1608 | 1    | S.A    |        |
| ....4 | R110         | 2007-000932 | R-CHIP;470ohm,5%,1/16W,TP,1005  | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000932 | R-CHIP;470ohm,5%,1/16W,TP,1005  | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000932 | R-CHIP;470ohm,5%,1/16W,TP,1005  | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000932 | R-CHIP;470ohm,5%,1/16W,TP,1005  | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000932 | R-CHIP;470ohm,5%,1/16W,TP,1005  | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000932 | R-CHIP;470ohm,5%,1/16W,TP,1005  | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000932 | R-CHIP;470ohm,5%,1/16W,TP,1005  | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000932 | R-CHIP;470ohm,5%,1/16W,TP,1005  | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000932 | R-CHIP;470ohm,5%,1/16W,TP,1005  | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000950 | R-CHIP;47ohm,5%,1/4W,TP,3216    | 1    | S.A    |        |
| ....4 | R110         | 2007-000950 | R-CHIP;47ohm,5%,1/4W,TP,3216    | 1    | S.A    |        |
| ....4 | R110         | 2007-000950 | R-CHIP;47ohm,5%,1/4W,TP,3216    | 1    | S.A    |        |
| ....4 | R110         | 2007-000950 | R-CHIP;47ohm,5%,1/4W,TP,3216    | 1    | S.A    |        |
| ....4 | R110         | 2007-000950 | R-CHIP;47ohm,5%,1/4W,TP,3216    | 1    | S.A    |        |
| ....4 | R110         | 2007-000950 | R-CHIP;47ohm,5%,1/4W,TP,3216    | 1    | S.A    |        |
| ....4 | R110         | 2007-000950 | R-CHIP;47ohm,5%,1/4W,TP,3216    | 1    | S.A    |        |
| ....4 | R110         | 2007-000950 | R-CHIP;47ohm,5%,1/4W,TP,3216    | 1    | S.A    |        |
| ....4 | R110         | 2007-000950 | R-CHIP;47ohm,5%,1/4W,TP,3216    | 1    | S.A    |        |
| ....4 | R110         | 2007-001010 | R-CHIP;51Kohm,5%,1/10W,TP,1608  | 1    | S.A    |        |
| ....4 | R110         | 2007-001044 | R-CHIP;56ohm,5%,1/10W,TP,1608   | 1    | S.A    |        |
| ....4 | R110         | 2007-001044 | R-CHIP;56ohm,5%,1/10W,TP,1608   | 1    | S.A    |        |
| ....4 | R110         | 2007-001044 | R-CHIP;56ohm,5%,1/10W,TP,1608   | 1    | S.A    |        |
| ....4 | R110         | 2007-001044 | R-CHIP;56ohm,5%,1/10W,TP,1608   | 1    | S.A    |        |
| ....4 | R110         | 2007-001044 | R-CHIP;56ohm,5%,1/10W,TP,1608   | 1    | S.A    |        |

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ....4 | R110         | 2007-001044 | R-CHIP;56ohm,5%,1/10W,TP,1608            | 1    | S.A    |        |
| ....4 | R110         | 2007-001164 | R-CHIP;75ohm,1%,1/10W,TP,1608            | 1    | S.A    |        |
| ....4 | R110         | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608            | 1    | S.A    |        |
| ....4 | R110         | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608            | 1    | S.A    |        |
| ....4 | R110         | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608            | 1    | S.A    |        |
| ....4 | R110         | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608            | 1    | S.A    |        |
| ....4 | R110         | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608            | 1    | S.A    |        |
| ....4 | R110         | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608            | 1    | S.A    |        |
| ....4 | R110         | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608            | 1    | S.A    |        |
| ....4 | R110         | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608            | 1    | S.A    |        |
| ....4 | R110         | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608            | 1    | S.A    |        |
| ....4 | R110         | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608            | 1    | S.A    |        |
| ....4 | R110         | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608            | 1    | S.A    |        |
| ....4 | R110         | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608            | 1    | S.A    |        |
| ....4 | R110         | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608            | 1    | S.A    |        |
| ....4 | R110         | 2007-001285 | R-CHIP;5.6ohm,5%,1/16W,TP,1005           | 1    | S.A    |        |
| ....4 | R110         | 2007-001285 | R-CHIP;5.6ohm,5%,1/16W,TP,1005           | 1    | S.A    |        |
| ....4 | R110         | 2007-001285 | R-CHIP;5.6ohm,5%,1/16W,TP,1005           | 1    | S.A    |        |
| ....4 | R110         | 2007-001285 | R-CHIP;5.6ohm,5%,1/16W,TP,1005           | 1    | S.A    |        |
| ....4 | R110         | 2007-001292 | R-CHIP;33ohm,5%,1/16W,TP,1005            | 1    | S.N.A  |        |
| ....4 | R110         | 2007-001292 | R-CHIP;33ohm,5%,1/16W,TP,1005            | 1    | S.N.A  |        |
| ....4 | R110         | 2007-001292 | R-CHIP;33ohm,5%,1/16W,TP,1005            | 1    | S.N.A  |        |
| ....4 | R110         | 2007-001313 | R-CHIP;330ohm,5%,1/16W,TP,1005           | 1    | S.N.A  |        |
| ....4 | R110         | 2007-001325 | R-CHIP;3.3Kohm,5%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-001325 | R-CHIP;3.3Kohm,5%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-001325 | R-CHIP;3.3Kohm,5%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-001325 | R-CHIP;3.3Kohm,5%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-001325 | R-CHIP;3.3Kohm,5%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007107 | R-CHIP;100Kohm,1%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007107 | R-CHIP;100Kohm,1%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007136 | R-CHIP;4.7Kohm,1%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007297 | R-CHIP;110ohm,1%,1/10W,TP,1608           | 1    | S.A    |        |
| ....4 | R110         | 2007-007319 | R-CHIP;390ohm,1%,1/16W,TP,1005           | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007334 | R-CHIP;200Kohm,1%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007334 | R-CHIP;200Kohm,1%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007334 | R-CHIP;200Kohm,1%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007791 | R-CHIP;9.1Kohm,1%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007791 | R-CHIP;9.1Kohm,1%,1/16W,TP,1005          | 1    | S.N.A  |        |
| ....4 | R110         | 2007-008429 | R-CHIP;499ohm,1%,1/16W,TP,1005           | 1    | S.N.A  |        |
| ....4 | RA5009       | 2011-000585 | R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5010       | 2011-000585 | R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5011       | 2011-000585 | R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5012       | 2011-000585 | R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5013       | 2011-000585 | R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5014       | 2011-000585 | R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA6007       | 2011-000686 | R-NETWORK;56ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5021       | 2011-000881 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5022       | 2011-000881 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5023       | 2011-000881 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5201       | 2011-000881 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5202       | 2011-000881 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |

## 5. Exploded View & Part List

[illegible]



## 5. Exploded View & Part List

[illegible]



## 5. Exploded View & Part List

[illegible]

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## 5. Exploded View & Part List

[illegible]

## 5. Exploded View & Part List

[illegible]

## 5. Exploded View & Part List

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006681 | C-CER,CHIP;100nF,+80-20%,25V,Y5V,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006992 | C-CER,CHIP;0.33nF,5%,50V,C0G,1005        | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006992 | C-CER,CHIP;0.33nF,5%,50V,C0G,1005        | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006992 | C-CER,CHIP;0.33nF,5%,50V,C0G,1005        | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006992 | C-CER,CHIP;0.33nF,5%,50V,C0G,1005        | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006992 | C-CER,CHIP;0.33nF,5%,50V,C0G,1005        | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006992 | C-CER,CHIP;0.33nF,5%,50V,C0G,1005        | 1    | S.N.A  |        |
| ....4 | C120         | 2203-007176 | C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012 ( | 1    | S.N.A  |        |
| ....4 | C120         | 2203-007176 | C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012 ( | 1    | S.N.A  |        |
| ....4 | C120         | 2203-007176 | C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012 ( | 1    | S.N.A  |        |
| ....4 | C120         | 2203-007176 | C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012 ( | 1    | S.N.A  |        |
| ....4 | C120         | 2203-007176 | C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012 ( | 1    | S.N.A  |        |
| ....4 | C120         | 2203-007176 | C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012 ( | 1    | S.N.A  |        |
| ....4 | C1005        | 2402-001128 | C-AL,SMD;100##F,20%,16V,-,TP,6.3X5.7mm   | 1    | S.A    |        |



| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ....4 | C1015        | 2402-001128 | C-AL,SMD;100##F,20%,16V,-,TP,6.3X5.7mm   | 1    | S.A    |        |
| ....4 | C3051_RDY    | 2402-001129 | C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM    | 1    | S.A    |        |
| ....4 | C1025        | 2402-001238 | C-AL,SMD;1uF,20%,50V,HR,TP,4.3x4.3x5.2mm | 1    | S.A    |        |
| ....4 | C1010        | 2402-001259 | C-AL,SMD;220uF,20%,16V,WT,REEL,8X10      | 1    | S.A    |        |
| ....4 | C2014        | 2402-001330 | C-AL,SMD;330uF,20%,25V,TP,10x10mm        | 1    | S.N.A  |        |
| ....4 | T0052        | 2703-000125 | INDUCTOR-SMD;10uH,10%,2012               | 1    | S.A    |        |
| ....4 | T0052        | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225               | 1    | S.A    |        |
| ....4 | T0052        | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225               | 1    | S.A    |        |
| ....4 | T0052        | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225               | 1    | S.A    |        |
| ....4 | T0052        | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225               | 1    | S.A    |        |
| ....4 | T0052        | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225               | 1    | S.A    |        |
| ....4 | T0052        | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225               | 1    | S.A    |        |
| ....4 | T0052        | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225               | 1    | S.A    |        |
| ....4 | T0052        | 2703-000417 | INDUCTOR-SMD;220uH,5%,3225               | 1    | S.A    |        |
| ....4 | T0052        | 2703-001426 | INDUCTOR-SMD;680uH,20%,7070              | 1    | S.A    |        |
| ....4 | T0052        | 2703-001778 | INDUCTOR-SMD;3.3uH,20%,3225              | 1    | S.A    |        |
| ....4 | T0052        | 2703-003362 | INDUCTOR-SMD;4.7uH,20%,7070              | 1    | S.A    |        |
| ....4 | L2001        | 2704-000018 | INDUCTOR-SMD-ARRAY;15uH,2000mA,2,0.124oh | 1    | S.N.A  |        |
| ....4 | L2002        | 2704-000018 | INDUCTOR-SMD-ARRAY;15uH,2000mA,2,0.124oh | 1    | S.N.A  |        |
| ....4 | X202         | 2801-003667 | CRYSTAL-SMD;14.31818MHz,30ppm,28-AAN,16p | 1    | S.A    |        |
| ....4 | T0568        | 3301-000314 | BEAD-SMD;120ohm,1.6x0.8x0.8mm,-,-,-      | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-000314 | BEAD-SMD;120ohm,1.6x0.8x0.8mm,-,-,-      | 1    | S.N.A  |        |
| ....4 | G101         | 3301-000316 | CORE-FERRITE BEAD;120ohm,2012,TP,-,-     | 1    | S.N.A  |        |
| ....4 | G101         | 3301-000316 | CORE-FERRITE BEAD;120ohm,2012,TP,-,-     | 1    | S.N.A  |        |
| ....4 | G101         | 3301-000316 | CORE-FERRITE BEAD;120ohm,2012,TP,-,-     | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001145 | BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001145 | BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001145 | BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001145 | BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001145 | BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001145 | BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001148 | BEAD-SMD;60ohm,1608,TP,-,-               | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001148 | BEAD-SMD;60ohm,1608,TP,-,-               | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001148 | BEAD-SMD;60ohm,1608,TP,-,-               | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001236 | BEAD-SMD;60ohm,1608,-,-,-                | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001236 | BEAD-SMD;60ohm,1608,-,-,-                | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001236 | BEAD-SMD;60ohm,1608,-,-,-                | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001324 | BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm    | 1    | S.A    |        |
| ....4 | T0568        | 3301-001324 | BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm    | 1    | S.A    |        |
| ....4 | T0568        | 3301-001324 | BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm    | 1    | S.A    |        |
| ....4 | T0568        | 3301-001324 | BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm    | 1    | S.A    |        |

## 5. Exploded View &amp; Part List

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ....4 | T0568        | 3301-001324 | BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm    | 1    | S.A    |        |
| ....4 | T0568        | 3301-001324 | BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm    | 1    | S.A    |        |
| ....4 | T0568        | 3301-001393 | BEAD-SMD;60ohm,3216,1500mA,TP,41ohm/40MH | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001404 | BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz     | 1    | S.A    |        |
| ....4 | T0568        | 3301-001404 | BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz     | 1    | S.A    |        |
| ....4 | T0568        | 3301-001404 | BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz     | 1    | S.A    |        |
| ....4 | T0568        | 3301-001404 | BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz     | 1    | S.A    |        |
| ....4 | T0568        | 3301-001404 | BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz     | 1    | S.A    |        |
| ....4 | T0568        | 3301-001404 | BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz     | 1    | S.A    |        |
| ....4 | T0568        | 3301-001404 | BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz     | 1    | S.A    |        |
| ....4 | T0568        | 3301-001404 | BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz     | 1    | S.A    |        |
| ....4 | JA3001       | 3701-001367 | CONNECTOR-HDMI;19P,2R,FEMALE,SMD,AU      | 1    | S.A    |        |
| ....4 | JA3002       | 3701-001367 | CONNECTOR-HDMI;19P,2R,FEMALE,SMD,AU      | 1    | S.A    |        |
| ....4 | CN6001_FFC   | 3708-001150 | CONNECTOR-FPC/FFC/PIC;30P,1mm,SMD-A,SN,Y | 1    | S.A    |        |
| ....4 | T0077        | BN41-00987A | PCB MAIN;CORAL 450 REV,FR-4,4,1.0,1.2T   | 1    | S.N.A  |        |
| ....4 | M0107        | BN61-03858A | BRACKET-PCB;L450,BRASS(H62Y),T0.4,5mm,7m | 1    | S.N.A  |        |
| ....4 | M0107        | BN61-03858A | BRACKET-PCB;L450,BRASS(H62Y),T0.4,5mm,7m | 1    | S.N.A  |        |
| ....4 | M0107        | BN61-03858A | BRACKET-PCB;L450,BRASS(H62Y),T0.4,5mm,7m | 1    | S.N.A  |        |
| ....4 | M0107        | BN61-03858A | BRACKET-PCB;L450,BRASS(H62Y),T0.4,5mm,7m | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000115 | R-CHIP;82ohm,5%,1/10W,TP,1608            | 1    | S.A    |        |
| ....4 | C120         | 2203-006708 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,1608   | 1    | S.A    |        |
| ....4 | C6045_CMO    | 2402-001086 | C-AL,SMD;100UF,20%,16V,WT,TP,6.6X6.6X5.3 | 1    | S.A    |        |
| ....4 | MAIN         | BN97-02175A | ASSY MICOM-MAIN;T-CRL26MSAM-1000.4,2008- | 1    | S.N.A  |        |
| ....5 | IC115        | 1107-001709 | IC-FLASH MEMORY;MX25L1605A,16Mbit,2Mx8,S | 1    | S.N.A  |        |
| ....4 | R110         | 2007-001305 | R-CHIP;120ohm,5%,1/16W,TP,1005           | 1    | S.N.A  |        |
| ....4 | R110         | 2007-001305 | R-CHIP;120ohm,5%,1/16W,TP,1005           | 1    | S.N.A  |        |
| ....4 | IC104        | 0801-002633 | IC-CMOS LOGIC;7WBD3125,2bit BUS SWITCH,S | 1    | S.A    |        |
| ....4 | IC104        | 0801-002633 | IC-CMOS LOGIC;7WBD3125,2bit BUS SWITCH,S | 1    | S.A    |        |
| ....4 | IC104        | 0801-002633 | IC-CMOS LOGIC;7WBD3125,2bit BUS SWITCH,S | 1    | S.A    |        |
| ....4 | IC104        | 0801-002633 | IC-CMOS LOGIC;7WBD3125,2bit BUS SWITCH,S | 1    | S.A    |        |
| ....4 | R110         | 2007-000149 | R-CHIP;12Kohm,5%,1/16W,TP,1005           | 1    | S.A    |        |
| ....4 | R110         | 2007-000149 | R-CHIP;12Kohm,5%,1/16W,TP,1005           | 1    | S.A    |        |
| ....4 | R110         | 2007-000149 | R-CHIP;12Kohm,5%,1/16W,TP,1005           | 1    | S.A    |        |
| ....4 | R110         | 2007-000149 | R-CHIP;12Kohm,5%,1/16W,TP,1005           | 1    | S.A    |        |
| ....4 | C120         | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608         | 1    | S.A    |        |
| ....4 | C120         | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608         | 1    | S.A    |        |
| ...3  | JA333        | 3722-002699 | JACK-PIN;3P,Ni,YEL/WHT/RED,STRAIGHT      | 1    | S.A    |        |
| ...3  | HDCP         | BN97-01987A | ASSY HDCP;BN46-00018A,PS-42V6S,D73A,MSTA | 1    | S.N.A  |        |
| ....4 | KEY          | BN46-00018A | KEY CODE-CERTIFICATE;(HDCP KEY)PPM42M5S, | 1    | S.N.A  |        |
| ...3  | T0530        | BN61-04203A | SUPPORT-PCB;- ,SPTE,W7*L9* H11,-,-,-,-   | 1    | S.N.A  |        |
| ...3  | HOLDER-CLA   | BN61-02470A | HOLDER-CLAMP DMD;NYLON 6/6,NATURAL,DACN- | 1    | S.N.A  |        |
|       |              |             |  |      |        |        |
| 0.1   | M0003        | BN92-03168S | ASSY BOX;32L450,LO(ZB)                   | 1    | S.N.A  |        |
| ..2   |              | BN69-02642C | BOX-SET;32L450-DS,CB,A-01,DW-75,YEL,EXPO | 1.01 | S.N.A  |        |
|       |              |             |  |      |        |        |
| 0.1   | M0019        | BN92-03380K | ASSY LABEL;LN32A450C1XZB,CORAL           | 1    | S.N.A  |        |
|       |              |             |  |      |        |        |
| 0.1   | M0216        | BN90-01512A | ASSY STAND;32L450,UO,,,                  | 1    | S.N.A  |        |
| ..2   | T0920        | BN61-03868A | GUIDE-STAND;L450 32INCH,PC+GF(20%) V0,BL | 1    | S.N.A  |        |
| ..2   | C/STAND      | BN63-04356A | COVER-STAND NECK;L450 32INCH,ABS+PMMA,HB | 1    | S.A    |        |
| ..2   | M0027        | BN96-06464A | ASSY STAND P-BASE;32L450,,ABS+PMMA,HB,BK | 1    | S.A    |        |

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ...3  | T0081        | 6002-001294 | SCREW-TAPPING;BH,+,M4,L16,ZPC(BLK)       | 4    | S.A    |        |
| ...3  | M0081        | 6003-001239 | SCREW-TAPTITE;FH,+,B,M4,L10,ZPC(WHT),S   | 4    | S.A    |        |
| ...3  | H/WRTOP      | BN61-02232A | HOLDER-SWIVEL RING;32R71,ACETAL NATUAL,N | 1    | S.N.A  |        |
| ...3  | H/WRBOTTOM   | BN61-02233A | HOLDER-SWIVEL RING;32R71,ACETAL NATUAL,N | 1    | S.N.A  |        |
| ...3  | B/HSWIVEL    | BN61-02236A | BRACKET-HINGE SWIVEL;BORDEAUX 32,SECC,T1 | 1    | S.N.A  |        |
| ...3  | B/SBOTTOM    | BN61-02942A | BRACKET-STAND BOTTOM;32,BORDEAUX PLUS,SE | 1    | S.N.A  |        |
| ...3  | CCM1         | BN63-02183D | COVER-SHEET;Rhcm,PE Vinyl,T0.05,680mm,20 | 0.4  | S.N.A  |        |
| ...3  | T0004        | BN63-04355A | COVER-STAND BASE;L450 32INCH,ABS+PMMA,HB | 1    | S.N.A  |        |
| ...3  | ASTGUIDE     | BN96-07934A | ASSY STAND P-GUIDE;L450,V0,BLK,40INCH,PC | 1    | S.N.A  |        |
| ...4  |              | BN61-02932B | BRACKET-STOPPER NUT;L450,M4,OD8,-,L24,   | 3    | S.N.A  |        |
| ...4  |              | BN61-03872A | GUIDE-STAND BOTTOM;L450 32INCH,PC+GF(20% | 1    | S.N.A  |        |
| ...3  | M0126        | BN73-00052C | RUBBER-FOOT;LCD TV,CR RUBBER,T2.0 DIA19, | 4    | S.N.A  |        |
|       |              |             |  |      |        |        |
| 0.1   | M0113        | BN92-03174A | ASSY P/MATERIAL;32L450,UO,,              | 1    | S.N.A  |        |
| ..2   | T0003        | BH69-00418A | BAG WRAPPING;E770S/UM,LDPE,-,1828M,762,- | 3.35 | S.N.A  |        |
| ..2   | T0524        | 6902-000738 | BAG PE;HDPE/HDPE/NITRON,T0.015/T0.015/T1 | 1    | S.N.A  |        |
|       |              |             |  |      |        |        |
| 0.1   | M0045        | BN92-03379U | ASSY ACCESSORY;LN32A450C1XZB,CORAL       | 1    | S.N.A  |        |
| ..2   | M0045        | BN96-07144A | ASSY ACCESSORY-CABLE;LN26A450C1XBG       | 1    | S.N.A  |        |
| ...3  | T0268        | 3903-000197 | CBF-POWER CORD;DT,AR,IP3/Y,U(IEC C13-RA) | 1    | S.N.A  |        |
| ...3  | T0524        | 6902-000110 | BAG PE;LDPE,T0.05,W250,L400,TRP,28,2     | 1    | S.N.A  |        |
| ...3  | CLOTH        | BN63-01798A | CLOTH-CLEAN;RE40**,CLOTH,180,200,RHCM    | 1    | S.N.A  |        |
| ...3  | T0074        | BN59-00687A | REMOCON;TM-96B,49,AMERICA                | 1    | S.A    |        |
| ..2   | M0045        | BN96-08261A | ASSY ACCESSORY-MANUAL;LN32A450C1XZB      | 1    | S.N.A  |        |
| ...3  | T0524        | 6902-000110 | BAG PE;LDPE,T0.05,W250,L400,TRP,28,2     | 1    | S.N.A  |        |
| ...3  |              | AA68-03242L | MANUAL FLYER-02,SAFETY GUIDE;comm,Samsun | 1    | S.N.A  |        |
| ...3  | T0531        | BN63-04269A | COVER-BOTTOM;22,26,32L450,HIPS,-,-,V0,   | 1    | S.N.A  |        |
| ...3  | T0175        | BN68-00985A | MANUAL FLYER-01,WARRANTY CARD;PL42S5SX,P | 1    | S.N.A  |        |
| ...3  | T0511        | BN68-01395E | MANUAL USERS;COMM,SAMSUNG,Eng/Spa/BP,S.A | 1    | S.N.A  |        |
| ...3  |              | BN96-01800A | ASSY ACCESSORY-SCREW ZIPPER;ROME32,-,-,- | 1    | S.N.A  |        |
| ...4  | T0081        | 6002-001294 | SCREW-TAPPING;BH,+,M4,L16,ZPC(BLK)       | 4    | S.A    |        |
| ...4  | ACCESSORY    | 6902-000683 | BAG ZIPPER;LDPE,T0.05,W60,L60,TRP,-,-,2- | 1    | S.N.A  |        |
| ...3  |              | BN96-01800D | ASSY ACCESSORY-SCREW ZIPPER;CORAL,Withou | 1    | S.N.A  |        |
| ...4  | M0081        | 6003-001334 | SCREW-TAPTITE;BH,+,S,M4,L14,ZPC(BLK),SWR | 3    | S.N.A  |        |
| ...4  | B/ZIPPER     | 6902-000683 | BAG ZIPPER;LDPE,T0.05,W60,L60,TRP,-,-,2- | 1    | S.N.A  |        |



## 5-4. LN37A450C1X Parts List

| Level | Location No. | Code No.      | Description & Specification               | Q'ty  | SA/SNA | Remark |
|-------|--------------|---------------|---|-------|--------|--------|
|       |              | LN37A450C1XSR | LN37A450C1,N55A/37AC1-GCR,37,LCD-TV,PERU  |       |        |        |
| 0.1   | M0001        | BN90-01502F   | ASSY COVER FRONT;37L450,LO                | 1     | S.N.A  |        |
| ..2   | T0003        | BN96-06785F   | ASSY COVER P-FRONT;37L450,LO,ABS+PMMA,HB  | 1     | S.A    |        |
| ...3  | M0081        | 6003-001188   | SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S  | 1     | S.A    |        |
| ...3  | M0081        | 6003-001188   | SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S  | 2     | S.A    |        |
| ...3  | M0279        | AA63-01637A   | FELT;50P9,FELT,0.5,10,80                  | 1     | S.N.A  |        |
| ...3  | CCM1         | BN63-02183G   | COVER-SHEET;Rhcm,PE Vinyl,T0.05,1100mm,2  | 0.992 | S.N.A  |        |
| ...3  | M0112        | BN63-04169F   | COVER-FRONT;37L450,LO,ABS+PMMA,-,-,-,HB,  | 1     | S.N.A  |        |
| ...3  | T0059        | BN64-00379A   | INDICATOR LED;ROME-II,23,PC,CLEAR         | 1     | S.N.A  |        |
| ...3  | T0061        | BN64-00453A   | WINDOW-REMOCON;32R71,PC,VIOLET,DIFFUSER(  | 1     | S.N.A  |        |
| ...3  | T0022        | BN64-00755A   | KNOB-CONTROL;32L450,ABS,V0,BK07           | 1     | S.N.A  |        |
| ...3  | D/BOTTOM     | BN64-00761A   | DECORATION-BOTTOM;L450 37INCH,PC,-,-,-,-  | 1     | S.N.A  |        |
| ...3  | T0069        | BP60-00015T   | SPACER-FELT;L450 37",FELT,L830,BLK,T0.5,  | 2     | S.N.A  |        |
| ...3  | T0069        | BP60-00015U   | SPACER-FELT;L450 37",FELT,L470,BLK,T0.5,  | 2     | S.N.A  |        |
| ...3  | M0145        | BN96-07269A   | ASSY BOARD P-FUNCTION;LN40A450C1D,CT5000  | 1     | S.A    |        |
| ...3  | A/HBOSS      | BN96-06795A   | ASSY HOLDER P-BOSS;37,40L450,UO,HIPS,V0,  | 1     | S.N.A  |        |
| ....4 | H/BOSS       | BN61-03677A   | HOLDER-BOSS BOTTOM;37,40L450,UO,HIPS,V0,  | 1     | S.N.A  |        |
| ....4 | BOSS/T       | BN61-03261B   | BOSS-TAPE;Tulip,ACRYL,T1.1,W20mm,GRAY,TA  | 0.74  | S.N.A  |        |
| ...3  | M0146        | BN96-07270J   | ASSY BOARD P-POWER & IR;CORAL,POWER & IR  | 1     | S.A    |        |
| ..2   | T0175        | BN96-06818A   | ASSY SPEAKER P;8ohm,CORAL,LCD,PDP,10W,4p  | 1     | S.A    |        |
| 0.1   | M0002        | BN90-01507B   | ASSY COVER REAR;37L450,SO                 | 1     | S.N.A  |        |
| ..2   | T0081        | 6002-001294   | SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)       | 1     | S.A    |        |
| ..2   | T0081        | 6002-001294   | SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)       | 1     | S.A    |        |
| ..2   | T0081        | 6002-001294   | SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)       | 14    | S.A    |        |
| ..2   | M0013        | BN96-06789B   | ASSY COVER P-REAR;37L450,SO,HIPS,HB,BK50  | 1     | S.A    |        |
| ...3  | M0081        | 6003-001188   | SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S  | 2     | S.A    |        |
| ...3  | T0101        | BN61-03348A   | BRACKET-WALL;LCD TV 32,SECC T1.2,-,-,-,-  | 2     | S.N.A  |        |
| ...3  | M0006        | BN63-04173B   | COVER-REAR;37L450,SO,LO,CO,HIPS,-,-,-,HB  | 1     | S.N.A  |        |
| ...3  | T0071        | BN64-00760A   | INLAY-TERMINAL;L450,SO,PS SHEET,T0.3,104  | 1     | S.N.A  |        |
| ...3  | T0064        | BN65-00002A   | CLAMPER CORE;BORDEAUX,LDPE,-,-,BLK,-      | 1     | S.N.A  |        |
| ..2   | M0081        | 6003-000275   | SCREW-TAPTITE;BH,+,-,B,M3,L10,ZPC(BLK),S  | 1     | S.N.A  |        |
| 0.1   | A/LCD        | BN91-01985B   | ASSY LCD-CPT;LN37A450C1DXZA,CLAA370WF02S  | 1     | S.N.A  |        |
| ..2   | M0215        | BN07-00507A   | LCD-PANEL;CLAA370WF02S                    | 1     | S.A    |        |
| 0.1   | M0112        | BN91-02200D   | ASSY SHIELD;LN37A450C1XZB                 | 1     | S.N.A  |        |
| ..2   | M0081        | 6003-000115   | SCREW-TAPTITE;BH,+ ,B,M3,L6,ZPC(BLK),SWRC | 4     | S.A    |        |
| ..2   | M0081        | 6003-000115   | SCREW-TAPTITE;BH,+ ,B,M3,L6,ZPC(BLK),SWRC | 6     | S.A    |        |
| ..2   | M0081        | 6003-001188   | SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S  | 2     | S.A    |        |
| ..2   | M0081        | 6003-001188   | SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S  | 2     | S.A    |        |
| ..2   | M0081        | 6003-001188   | SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S  | 9     | S.A    |        |
| ..2   | M0081        | 6003-001439   | SCREW-TAPTITE;BH,+,-,S,M4,L8,ZPC(WHT),SW  | 1     | S.N.A  |        |
| ..2   | M0081        | 6003-001439   | SCREW-TAPTITE;BH,+,-,S,M4,L8,ZPC(WHT),SW  | 1     | S.N.A  |        |
| ..2   | M2893        | BH39-00362C   | LEAD CONNECTOR;Beethoven,UL1007#26,5P,30  | 1     | S.A    |        |
| ..2   | M0258        | BN39-00615Q   | CBF HARNESS-INLET SOCKET;LN40A450C1D,UL1  | 1     | S.A    |        |
| ..2   | M2893        | BN39-00802C   | LEAD CONNECTOR;HPT4264H,UL1617#22,24P/24  | 1     | S.A    |        |
| ..2   | M2893        | BN39-00849C   | LEAD CONNECTOR;LNT4081FX/XAA,UL1007 #26,  | 1     | S.A    |        |

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ..2   | T0764        | BN44-00217A | SMPS-LCDTV;MK37P5B,SEM,AC/DC,171W,AC100  | 1    | S.A    |        |
| ..2   | M0146        | BN61-02419A | BRACKET-PANEL SIDE;SONOMA 32,SECC,T1.2,A | 4    | S.N.A  |        |
| ..2   | M0115        | BN61-02882A | BRACKET-STAND LINK;TULIP,40,SECC,T1.6,-, | 1    | S.N.A  |        |
| ..2   | T0447        | BN96-06959A | ASSY BRACKET P-PANEL;37L450,CPT,AUO,,SEC | 1    | S.N.A  |        |
| ...3  | M0081        | 6003-000115 | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC | 2    | S.A    |        |
| ...3  | M0081        | 6003-000115 | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC | 3    | S.A    |        |
| ...3  | M0081        | 6003-000115 | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC | 3    | S.A    |        |
| ...3  | M0081        | 6003-000115 | SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC | 2    | S.A    |        |
| ...3  | M0146        | BN61-03684B | BRACKET-PANEL TOP;L450 37INCH,SECC,T1.0  | 1    | S.N.A  |        |
| ...3  | B/PBOTTOM    | BN61-03689A | BRACKET-PANEL BOTTOM;L450 37INCH,SECC,T1 | 1    | S.N.A  |        |
| ...3  | B/GMAIN      | BN61-03692A | BRACKET-GUIDE MAIN;L450 37INCH,SECC,T1.0 | 1    | S.N.A  |        |
| ...3  | B/GPRIGHT    | BN61-03693A | BRACKET-GUIDE POWER;L450 37INCH,SECC,T1. | 1    | S.N.A  |        |
| ...3  | B/GPLEFT     | BN61-03696A | BRACKET-GUIDE POWER;L450 37INCH,SECC,T1. | 2    | S.N.A  |        |
| ...3  | T0101        | BN61-03698A | BRACKET-WALL;L450 37INCH,SECC,T1.2       | 1    | S.N.A  |        |
| ...3  | M0131        | BN63-03370A | GASKET;LE37M86BDX,Conductive Fabric,10mm | 1    | S.N.A  |        |
| ...3  | M0131        | BN63-03371A | GASKET;LE37M86BDX,Conductive Fabric,10mm | 1    | S.N.A  |        |
| ...3  | M0131        | BN63-03507A | GASKET;LE37M87BDX,Conductive Fabric,10mm | 1    | S.N.A  |        |
| ...3  | M0131        | BN63-03554A | GASKET;LE37M87BDX,Conductive Fabric,9mm, | 1    | S.N.A  |        |
| ..2   | M0081        | 6003-001334 | SCREW-TAPTITE;BH,+,S,M4,L14,ZPC(BLK),SWR | 4    | S.N.A  |        |
| ..2   | M0214        | BN96-07611A | ASSY CABLE P-FLAT;CORAL,FFC,290mm,30p,Co | 1    | S.A    |        |
| ..2   | M0114        | BN61-02500A | HOLDER-WIRE;NYLON6.6,NATURAL             | 3    | S.N.A  |        |
| ..2   | M0254        | BN61-03699F | HOLDER-SIDE AV;32L450,UO,HIPS,V0,-,-,-,B | 1    | S.N.A  |        |
|       |              |             |  |      |        |        |
| 0.1   | M0045        | BN92-03379Q | ASSY ACCESSORY;LN37A450C1XSR,LN40A450C1X | 1    | S.N.A  |        |
| ..2   | M0045        | BN96-07172A | ASSY ACCESSORY;LN40A450C1XSR             | 1    | S.A    |        |
| ...3  | T0268        | 3903-000144 | CBF-POWER CORD;DT,US,BP3/Y,U(IEC C13-RA) | 1    | S.A    |        |
| ...3  | T0524        | 6902-000018 | BAG PE;LDPE,T0.1,W280,L400,CLEAR,8,2,-,2 | 1    | S.N.A  |        |
| ...3  | T0152        | AA68-40004B | CARD WARRANTY;PERU,W/P(150)/2P,A5,4      | 1    | S.N.A  |        |
| ...3  | CLOTH        | BN63-01798A | CLOTH-CLEAN;RE40**,CLOTH,180,200,RHCM    | 1    | S.N.A  |        |
| ...3  |              | AA68-03242L | MANUAL FLYER-03,,SAFETY GUIDE;comm,Samsu | 1    | S.N.A  |        |
| ...3  | T0511        | BN68-01395E | MANUAL USERS;COMM,SAMSUNG,Eng/Spa/BP,S.A | 1    | S.N.A  |        |
| ...3  | T0531        | BN63-04243A | COVER-BOTTOM;37,40L450,HIPS,-,-,-,V0,-,B | 1    | S.N.A  |        |
| ...3  | T0074        | BN59-00687A | REMOCON;TM-96B,49,AMERICA                | 1    | S.A    |        |
| ..2   |              | BN68-01402D | MANUAL FLYER-STAND GUIDE;COMM,SAMSUNG,En | 1    | S.N.A  |        |
|       |              |             |  |      |        |        |
| 0.1   | M0017        | BN91-02201F | ASSY CHASSIS;LN37A450C1*                 | 1    | S.N.A  |        |
| ..2   | M0014        | BN94-01713Q | ASSY PCB MAIN;LN37A450C1*,CORAL          | 1    | S.A    |        |
| ...3  | T0245        | 0202-001608 | SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0. | 0.25 | S.N.A  |        |
| ...3  | JA3003_3H    | 3701-001388 | CONNECTOR-HDMI;20P,Phosphor Bronze,ANGLE | 1    | S.A    |        |
| ...3  | JA3004_OP    | 3701-001480 | CONNECTOR-DSUB;15P,3R,FEMAIL,STAMPED PIN | 1    | S.A    |        |
| ...3  | CN330        | 3711-000012 | HEADER-BOARD TO CABLE;BOX,4P,1R,2.5MM,ST | 1    | S.A    |        |
| ...3  | CN330        | 3711-003846 | HEADER-BOARD TO CABLE;BOX,8P,1R,2mm,ANGL | 1    | S.A    |        |
| ...3  | CN330        | 3711-004484 | HEADER-BOARD TO CABLE;BOX,5P,1R,2mm,STRA | 1    | S.A    |        |
| ...3  | CN330        | 3711-005842 | HEADER-BOARD TO CABLE;BOX,24P,2R,2MM,STR | 1    | S.A    |        |
| ...3  | JA330        | 3722-001055 | JACK-PHONE;5P/2C,AG,BLK,ANGLE            | 1    | S.A    |        |
| ...3  | JA330        | 3722-001061 | JACK-PHONE;1P,3.6PI,AG,BLK,N             | 1    | S.A    |        |
| ...3  | JA330        | 3722-001061 | JACK-PHONE;1P,3.6PI,AG,BLK,N             | 1    | S.A    |        |
| ...3  | JA333        | 3722-002143 | JACK-PIN;5P,NI,GRN/BLU/RED/WHT/RED,STRAI | 1    | S.A    |        |
| ...3  | CN3214       | 3722-002275 | JACK-DIN;4P,-,SN,BLK,-                   | 1    | S.A    |        |
| ...3  | JA333        | 3722-002691 | JACK-PIN;2P,NI,WHT/RED,STRAIGHT          | 1    | S.A    |        |
| ...3  | JA333        | 3722-002691 | JACK-PIN;2P,NI,WHT/RED,STRAIGHT          | 1    | S.A    |        |

# 5. Exploded View & Part List

| Level | Location No. | Code No.    | Description & Specification              | Q'ty  | SA/SNA | Remark |
|-------|--------------|-------------|--|-------|--------|--------|
| ...3  | JA333        | 3722-002691 | JACK-PIN;2P,Ni,WHT/RED,STRAIGHT          | 1     | S.A    |        |
| ...3  | JA333        | 3722-002703 | JACK-PIN;3P,Ni,GRN/BLU/RED,STRAIGHT      | 1     | S.A    |        |
| ...3  | JA333        | 3722-002704 | JACK-PIN;3P,Sn,YEL/WHT/RED,ANGLE         | 1     | S.A    |        |
| ...3  | CIS3         | BN40-00113A | TUNER;HTM-6M/13F2S,HTM-6M/13F2S,PAL M,18 | 1     | S.A    |        |
| ...3  | M0107        | BN63-04527A | SHIELD-COVER;450 EO,SPTE,T0.3,PAL REFLE  | 1     | S.N.A  |        |
| ...3  | T0174        | BN97-02099K | ASSY SMD;LN37A450C1*                     | 1     | S.N.A  |        |
| ....4 | SUB05        | 0202-001477 | SOLDER-CREAM;LST309-M,-,D20~45um,96.5Sn/ | 2.235 | S.N.A  |        |
| ....4 | D2002        | 0401-000133 | DIODE-SWITCHING;RLS4148,75V,150mA,LL-34, | 1     | S.A    |        |
| ....4 | D2003        | 0401-000133 | DIODE-SWITCHING;RLS4148,75V,150mA,LL-34, | 1     | S.A    |        |
| ....4 | D2004        | 0401-000133 | DIODE-SWITCHING;RLS4148,75V,150mA,LL-34, | 1     | S.A    |        |
| ....4 | D2009        | 0401-000133 | DIODE-SWITCHING;RLS4148,75V,150mA,LL-34, | 1     | S.A    |        |
| ....4 | D2012        | 0401-000133 | DIODE-SWITCHING;RLS4148,75V,150mA,LL-34, | 1     | S.A    |        |
| ....4 | D2019        | 0401-000133 | DIODE-SWITCHING;RLS4148,75V,150mA,LL-34, | 1     | S.A    |        |
| ....4 | D1004        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3003        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3004        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3006        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3007        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3008        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3009        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3010        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3011        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3012        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3013        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3016        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3017        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3019        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3021        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3022        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3023        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3024        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3025        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3026        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3027        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3030_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3031_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3034_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3035_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3036_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3037_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3038_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3039_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3040_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3041_3H     | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3045        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3046        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3047        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3061        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3062        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3064        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |
| ....4 | D3066        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | S.A    |        |

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ....4 | D3202        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3203        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3204        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3205_PAD    | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3206        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3217        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3218        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3219        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3230        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D3236        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D5002        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D5003        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | S.A    |        |
| ....4 | D2001        | 0401-001099 | DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3 | 1    | S.A    |        |
| ....4 | D3063        | 0401-001099 | DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3 | 1    | S.A    |        |
| ....4 | D3065        | 0401-001099 | DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3 | 1    | S.A    |        |
| ....4 | D3067        | 0401-001099 | DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3 | 1    | S.A    |        |
| ....4 | D3077        | 0401-001099 | DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3 | 1    | S.A    |        |
| ....4 | D3079        | 0401-001099 | DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3 | 1    | S.A    |        |
| ....4 | D3080_3H     | 0401-001099 | DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3 | 1    | S.A    |        |
| ....4 | D3244        | 0401-001099 | DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3 | 1    | S.A    |        |
| ....4 | D2008        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3020        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3033_3H     | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3048        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3049        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3050        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3051        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3052        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3070        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3074        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D5001        | 0403-000002 | DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3002        | 0403-000771 | DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3015        | 0403-000771 | DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3029_3H     | 0403-000771 | DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3042        | 0403-000771 | DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD | 1    | S.A    |        |
| ....4 | D5008        | 0403-000771 | DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD | 1    | S.A    |        |
| ....4 | D3001        | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2 | 1    | S.A    |        |
| ....4 | D3014        | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2 | 1    | S.A    |        |
| ....4 | D3028_3H     | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2 | 1    | S.A    |        |
| ....4 | D3208        | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2 | 1    | S.A    |        |
| ....4 | D5201        | 0403-001052 | DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2 | 1    | S.A    |        |
| ....4 | D1005        | 0403-001425 | DIODE-ZENER;BZX84C33,31-35V,350mW,SOT-23 | 1    | S.A    |        |
| ....4 | D0254        | 0404-001020 | DIODE-SCHOTTKY;BAT54C,30V,200mA,SOT-23,T | 1    | S.A    |        |
| ....4 | D3053        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3054        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3055        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3056        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3057        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3058        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3068        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |
| ....4 | D3069        | 0406-001172 | DIODE-TVS;CDS3C30GTH,48/-/50V,SMD        | 1    | S.A    |        |

## 5. Exploded View & Part List

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ....4 | D3213        | 0406-001172 | DIODE-TV;CDS3C30GTH,48/-/50V,SMD         | 1    | S.A    |        |
| ....4 | D3215        | 0406-001172 | DIODE-TV;CDS3C30GTH,48/-/50V,SMD         | 1    | S.A    |        |
| ....4 | D3223        | 0406-001172 | DIODE-TV;CDS3C30GTH,48/-/50V,SMD         | 1    | S.A    |        |
| ....4 | D3224        | 0406-001172 | DIODE-TV;CDS3C30GTH,48/-/50V,SMD         | 1    | S.A    |        |
| ....4 | D3225        | 0406-001172 | DIODE-TV;CDS3C30GTH,48/-/50V,SMD         | 1    | S.A    |        |
| ....4 | D3226        | 0406-001172 | DIODE-TV;CDS3C30GTH,48/-/50V,SMD         | 1    | S.A    |        |
| ....4 | D3227        | 0406-001172 | DIODE-TV;CDS3C30GTH,48/-/50V,SMD         | 1    | S.A    |        |
| ....4 | D3231        | 0406-001172 | DIODE-TV;CDS3C30GTH,48/-/50V,SMD         | 1    | S.A    |        |
| ....4 | D3232        | 0406-001172 | DIODE-TV;CDS3C30GTH,48/-/50V,SMD         | 1    | S.A    |        |
| ....4 | D3233        | 0406-001172 | DIODE-TV;CDS3C30GTH,48/-/50V,SMD         | 1    | S.A    |        |
| ....4 | D3237        | 0406-001172 | DIODE-TV;CDS3C30GTH,48/-/50V,SMD         | 1    | S.A    |        |
| ....4 | D3238        | 0406-001172 | DIODE-TV;CDS3C30GTH,48/-/50V,SMD         | 1    | S.A    |        |
| ....4 | D3239        | 0406-001172 | DIODE-TV;CDS3C30GTH,48/-/50V,SMD         | 1    | S.A    |        |
| ....4 | D3240        | 0406-001172 | DIODE-TV;CDS3C30GTH,48/-/50V,SMD         | 1    | S.A    |        |
| ....4 | D2013        | 0407-000123 | DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT- | 1    | S.A    |        |
| ....4 | D3071        | 0407-000123 | DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT- | 1    | S.A    |        |
| ....4 | D3072        | 0407-000123 | DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT- | 1    | S.A    |        |
| ....4 | Q1001        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q1002_LCD    | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q2003        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q2004        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q2007        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q2008        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q2009        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q3006        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q3208        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q5002        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q5201        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q5202        | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q6003_LCD    | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 1    | S.A    |        |
| ....4 | Q2005        | 0501-000669 | TR-SMALL SIGNAL;KTA1505Y,PNP,150mW,SOT-2 | 1    | S.A    |        |
| ....4 | Q2006        | 0501-000669 | TR-SMALL SIGNAL;KTA1505Y,PNP,150mW,SOT-2 | 1    | S.A    |        |
| ....4 | Q1004_LCD    | 0501-002080 | TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59 | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-000110 | FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0. | 1    | S.A    |        |
| ....4 | Q409         | 0505-001165 | FET-SILICON;SI3443BDV,P,-20V,+4.4A,65mo  | 1    | S.A    |        |
| ....4 | Q409         | 0505-001170 | FET-SILICON;SI9933ADY-T1,P,-20V,3.4A,0.0 | 1    | S.A    |        |
| ....4 | IC2002       | 1001-000164 | IC-ANALOG MULTIPLEX;74HC4052,CMOS,SOP,16 | 1    | S.A    |        |
| ....4 | IC5203       | 1001-000164 | IC-ANALOG MULTIPLEX;74HC4052,CMOS,SOP,16 | 1    | S.A    |        |
| ....4 | IC106        | 1001-001440 | IC-VIDEO SWITCH;SiI9185CTU,QFP,80P,3.3V, | 1    | S.A    |        |
| ....4 | IC110        | 1006-001076 | IC-DRIVER/RECEIVER;MAX232ECWE+T,SOP,16P, | 1    | S.A    |        |



## 5. Exploded View & Part List

[illegible]

## 5. Exploded View & Part List

[illegible]



## 5. Exploded View & Part List

[illegible]

## 5. Exploded View & Part List

[illegible]

## 5. Exploded View & Part List

[illegible]

## 5. Exploded View & Part List

[illegible]

## 5. Exploded View & Part List

[illegible]

## 5. Exploded View & Part List

[illegible]



| Level | Location No. | Code No.    | Description & Specification     | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|---------------------------------|------|--------|--------|
| ....4 | R110         | 2007-000172 | R-CHIP;10ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000172 | R-CHIP;10ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000172 | R-CHIP;10ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000172 | R-CHIP;10ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000173 | R-CHIP;22ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000173 | R-CHIP;22ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000173 | R-CHIP;22ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000173 | R-CHIP;22ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000173 | R-CHIP;22ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000173 | R-CHIP;22ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000173 | R-CHIP;22ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000173 | R-CHIP;22ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000173 | R-CHIP;22ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000173 | R-CHIP;22ohm,5%,1/16W,TP,1005   | 1    | S.A    |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000242 | R-CHIP;1.5Kohm,5%,1/16W,TP,1005 | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000287 | R-CHIP;100ohm,1%,1/10W,TP,1608  | 1    | S.A    |        |
| ....4 | R110         | 2007-000287 | R-CHIP;100ohm,1%,1/10W,TP,1608  | 1    | S.A    |        |
| ....4 | R110         | 2007-000539 | R-CHIP;200ohm,5%,1/10W,TP,1608  | 1    | S.A    |        |
| ....4 | R110         | 2007-000651 | R-CHIP;27Kohm,1%,1/10W,TP,1608  | 1    | S.A    |        |
| ....4 | R110         | 2007-000763 | R-CHIP;330ohm,1%,1/10W,TP,1608  | 1    | S.A    |        |
| ....4 | R110         | 2007-000775 | R-CHIP;33Kohm,5%,1/16W,TP,1005  | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000775 | R-CHIP;33Kohm,5%,1/16W,TP,1005  | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000831 | R-CHIP;39Kohm,5%,1/16W,TP,1005  | 1    | S.A    |        |
| ....4 | R110         | 2007-000831 | R-CHIP;39Kohm,5%,1/16W,TP,1005  | 1    | S.A    |        |
| ....4 | R110         | 2007-000869 | R-CHIP;4.7Kohm,1%,1/10W,TP,1608 | 1    | S.A    |        |
| ....4 | R110         | 2007-000932 | R-CHIP;470ohm,5%,1/16W,TP,1005  | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000932 | R-CHIP;470ohm,5%,1/16W,TP,1005  | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000932 | R-CHIP;470ohm,5%,1/16W,TP,1005  | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000932 | R-CHIP;470ohm,5%,1/16W,TP,1005  | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000932 | R-CHIP;470ohm,5%,1/16W,TP,1005  | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000932 | R-CHIP;470ohm,5%,1/16W,TP,1005  | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000932 | R-CHIP;470ohm,5%,1/16W,TP,1005  | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000932 | R-CHIP;470ohm,5%,1/16W,TP,1005  | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000950 | R-CHIP;47ohm,5%,1/4W,TP,3216    | 1    | S.A    |        |
| ....4 | R110         | 2007-000950 | R-CHIP;47ohm,5%,1/4W,TP,3216    | 1    | S.A    |        |
| ....4 | R110         | 2007-000950 | R-CHIP;47ohm,5%,1/4W,TP,3216    | 1    | S.A    |        |



## 5. Exploded View & Part List

| Level | Location No. | Code No.    | Description & Specification     | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|---------------------------------|------|--------|--------|
| ....4 | R110         | 2007-000950 | R-CHIP;47ohm,5%,1/4W,TP,3216    | 1    | S.A    |        |
| ....4 | R110         | 2007-000950 | R-CHIP;47ohm,5%,1/4W,TP,3216    | 1    | S.A    |        |
| ....4 | R110         | 2007-000950 | R-CHIP;47ohm,5%,1/4W,TP,3216    | 1    | S.A    |        |
| ....4 | R110         | 2007-000950 | R-CHIP;47ohm,5%,1/4W,TP,3216    | 1    | S.A    |        |
| ....4 | R110         | 2007-000950 | R-CHIP;47ohm,5%,1/4W,TP,3216    | 1    | S.A    |        |
| ....4 | R110         | 2007-000950 | R-CHIP;47ohm,5%,1/4W,TP,3216    | 1    | S.A    |        |
| ....4 | R110         | 2007-001010 | R-CHIP;51Kohm,5%,1/10W,TP,1608  | 1    | S.A    |        |
| ....4 | R110         | 2007-001044 | R-CHIP;56ohm,5%,1/10W,TP,1608   | 1    | S.A    |        |
| ....4 | R110         | 2007-001044 | R-CHIP;56ohm,5%,1/10W,TP,1608   | 1    | S.A    |        |
| ....4 | R110         | 2007-001044 | R-CHIP;56ohm,5%,1/10W,TP,1608   | 1    | S.A    |        |
| ....4 | R110         | 2007-001044 | R-CHIP;56ohm,5%,1/10W,TP,1608   | 1    | S.A    |        |
| ....4 | R110         | 2007-001044 | R-CHIP;56ohm,5%,1/10W,TP,1608   | 1    | S.A    |        |
| ....4 | R110         | 2007-001044 | R-CHIP;56ohm,5%,1/10W,TP,1608   | 1    | S.A    |        |
| ....4 | R110         | 2007-001164 | R-CHIP;75ohm,1%,1/10W,TP,1608   | 1    | S.A    |        |
| ....4 | R110         | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608   | 1    | S.A    |        |
| ....4 | R110         | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608   | 1    | S.A    |        |
| ....4 | R110         | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608   | 1    | S.A    |        |
| ....4 | R110         | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608   | 1    | S.A    |        |
| ....4 | R110         | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608   | 1    | S.A    |        |
| ....4 | R110         | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608   | 1    | S.A    |        |
| ....4 | R110         | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608   | 1    | S.A    |        |
| ....4 | R110         | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608   | 1    | S.A    |        |
| ....4 | R110         | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608   | 1    | S.A    |        |
| ....4 | R110         | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608   | 1    | S.A    |        |
| ....4 | R110         | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608   | 1    | S.A    |        |
| ....4 | R110         | 2007-001167 | R-CHIP;75ohm,5%,1/10W,TP,1608   | 1    | S.A    |        |
| ....4 | R110         | 2007-001285 | R-CHIP;5.6ohm,5%,1/16W,TP,1005  | 1    | S.A    |        |
| ....4 | R110         | 2007-001285 | R-CHIP;5.6ohm,5%,1/16W,TP,1005  | 1    | S.A    |        |
| ....4 | R110         | 2007-001285 | R-CHIP;5.6ohm,5%,1/16W,TP,1005  | 1    | S.A    |        |
| ....4 | R110         | 2007-001285 | R-CHIP;5.6ohm,5%,1/16W,TP,1005  | 1    | S.A    |        |
| ....4 | R110         | 2007-001292 | R-CHIP;33ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-001292 | R-CHIP;33ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-001292 | R-CHIP;33ohm,5%,1/16W,TP,1005   | 1    | S.N.A  |        |
| ....4 | R110         | 2007-001313 | R-CHIP;330ohm,5%,1/16W,TP,1005  | 1    | S.N.A  |        |
| ....4 | R110         | 2007-001325 | R-CHIP;3.3Kohm,5%,1/16W,TP,1005 | 1    | S.N.A  |        |
| ....4 | R110         | 2007-001325 | R-CHIP;3.3Kohm,5%,1/16W,TP,1005 | 1    | S.N.A  |        |
| ....4 | R110         | 2007-001325 | R-CHIP;3.3Kohm,5%,1/16W,TP,1005 | 1    | S.N.A  |        |
| ....4 | R110         | 2007-001325 | R-CHIP;3.3Kohm,5%,1/16W,TP,1005 | 1    | S.N.A  |        |
| ....4 | R110         | 2007-001325 | R-CHIP;3.3Kohm,5%,1/16W,TP,1005 | 1    | S.N.A  |        |
| ....4 | R110         | 2007-001325 | R-CHIP;3.3Kohm,5%,1/16W,TP,1005 | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007107 | R-CHIP;100Kohm,1%,1/16W,TP,1005 | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007107 | R-CHIP;100Kohm,1%,1/16W,TP,1005 | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007136 | R-CHIP;4.7Kohm,1%,1/16W,TP,1005 | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007297 | R-CHIP;110ohm,1%,1/10W,TP,1608  | 1    | S.A    |        |
| ....4 | R110         | 2007-007319 | R-CHIP;390ohm,1%,1/16W,TP,1005  | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007334 | R-CHIP;200Kohm,1%,1/16W,TP,1005 | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007334 | R-CHIP;200Kohm,1%,1/16W,TP,1005 | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007334 | R-CHIP;200Kohm,1%,1/16W,TP,1005 | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007791 | R-CHIP;9.1Kohm,1%,1/16W,TP,1005 | 1    | S.N.A  |        |
| ....4 | R110         | 2007-007791 | R-CHIP;9.1Kohm,1%,1/16W,TP,1005 | 1    | S.N.A  |        |
| ....4 | R110         | 2007-008429 | R-CHIP;499ohm,1%,1/16W,TP,1005  | 1    | S.N.A  |        |

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ....4 | RA5009       | 2011-000585 | R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5010       | 2011-000585 | R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5011       | 2011-000585 | R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5012       | 2011-000585 | R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5013       | 2011-000585 | R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5014       | 2011-000585 | R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA6007       | 2011-000686 | R-NETWORK;56ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5021       | 2011-000881 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5022       | 2011-000881 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5023       | 2011-000881 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5201       | 2011-000881 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5202       | 2011-000881 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5203       | 2011-000881 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5204       | 2011-000881 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5205       | 2011-000881 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,3. | 1    | S.A    |        |
| ....4 | RA5006       | 2011-001001 | R-NETWORK;0ohm,5%,1/16W,L,CHIP,8P,TP,3.2 | 1    | S.A    |        |
| ....4 | RA6004_FBE   | 2011-001001 | R-NETWORK;0ohm,5%,1/16W,L,CHIP,8P,TP,3.2 | 1    | S.A    |        |
| ....4 | RA6005_FBE   | 2011-001001 | R-NETWORK;0ohm,5%,1/16W,L,CHIP,8P,TP,3.2 | 1    | S.A    |        |
| ....4 | RA6006_FBE   | 2011-001001 | R-NETWORK;0ohm,5%,1/16W,L,CHIP,8P,TP,3.2 | 1    | S.A    |        |
| ....4 | RA5001       | 2011-001011 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5002       | 2011-001011 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5003       | 2011-001011 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5004       | 2011-001011 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5015       | 2011-001011 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5024       | 2011-001011 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5025       | 2011-001011 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5030       | 2011-001011 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5031       | 2011-001011 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5034       | 2011-001011 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5005       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5007       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5008       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5016       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5017       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5018       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5019       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5020       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5026       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5027       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5028       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5029       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5032       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | RA5033       | 2011-001093 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3 | 1    | S.A    |        |
| ....4 | C120         | 2203-000233 | C-CER,CHIP;0.1nF,5%,50V,C0G,1005         | 1    | S.A    |        |
| ....4 | C120         | 2203-000233 | C-CER,CHIP;0.1nF,5%,50V,C0G,1005         | 1    | S.A    |        |
| ....4 | C120         | 2203-000233 | C-CER,CHIP;0.1nF,5%,50V,C0G,1005         | 1    | S.A    |        |
| ....4 | C120         | 2203-000233 | C-CER,CHIP;0.1nF,5%,50V,C0G,1005         | 1    | S.A    |        |
| ....4 | C120         | 2203-000233 | C-CER,CHIP;0.1nF,5%,50V,C0G,1005         | 1    | S.A    |        |
| ....4 | C120         | 2203-000233 | C-CER,CHIP;0.1nF,5%,50V,C0G,1005         | 1    | S.A    |        |
| ....4 | C120         | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,TP,1608      | 1    | S.A    |        |
| ....4 | C120         | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,TP,1608      | 1    | S.A    |        |

## 5. Exploded View & Part List

[illegible]

| Level | Location No. | Code No.    | Description & Specification            | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ....4 | C120         | 2203-002285 | C-CER,CHIP;10nF,10%,50V,X7R,1005       | 1    | S.N.A  |        |
| ....4 | C120         | 2203-002285 | C-CER,CHIP;10nF,10%,50V,X7R,1005       | 1    | S.N.A  |        |
| ....4 | C120         | 2203-002285 | C-CER,CHIP;10nF,10%,50V,X7R,1005       | 1    | S.N.A  |        |
| ....4 | C120         | 2203-002285 | C-CER,CHIP;10nF,10%,50V,X7R,1005       | 1    | S.N.A  |        |
| ....4 | C120         | 2203-002285 | C-CER,CHIP;10nF,10%,50V,X7R,1005       | 1    | S.N.A  |        |
| ....4 | C120         | 2203-002285 | C-CER,CHIP;10nF,10%,50V,X7R,1005       | 1    | S.N.A  |        |
| ....4 | C120         | 2203-002285 | C-CER,CHIP;10nF,10%,50V,X7R,1005       | 1    | S.N.A  |        |
| ....4 | C120         | 2203-002285 | C-CER,CHIP;10nF,10%,50V,X7R,1005       | 1    | S.N.A  |        |
| ....4 | C120         | 2203-002398 | C-CER,CHIP;22nF,10%,50V,X7R,1608       | 1    | S.A    |        |
| ....4 | C120         | 2203-002398 | C-CER,CHIP;22nF,10%,50V,X7R,1608       | 1    | S.A    |        |
| ....4 | C120         | 2203-002398 | C-CER,CHIP;22nF,10%,50V,X7R,1608       | 1    | S.A    |        |
| ....4 | C120         | 2203-002398 | C-CER,CHIP;22nF,10%,50V,X7R,1608       | 1    | S.A    |        |
| ....4 | C120         | 2203-002525 | C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1005  | 1    | S.N.A  |        |
| ....4 | C120         | 2203-002525 | C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1005  | 1    | S.N.A  |        |
| ....4 | C120         | 2203-002525 | C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1005  | 1    | S.N.A  |        |
| ....4 | C120         | 2203-002525 | C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1005  | 1    | S.N.A  |        |
| ....4 | C120         | 2203-002525 | C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1005  | 1    | S.N.A  |        |
| ....4 | C120         | 2203-002525 | C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1005  | 1    | S.N.A  |        |
| ....4 | C120         | 2203-002525 | C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1005  | 1    | S.N.A  |        |
| ....4 | C120         | 2203-002525 | C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1005  | 1    | S.N.A  |        |
| ....4 | C120         | 2203-002525 | C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1005  | 1    | S.N.A  |        |
| ....4 | C120         | 2203-002525 | C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1005  | 1    | S.N.A  |        |
| ....4 | C120         | 2203-002525 | C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1005  | 1    | S.N.A  |        |
| ....4 | C120         | 2203-002525 | C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1005  | 1    | S.N.A  |        |
| ....4 | C120         | 2203-002525 | C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1005  | 1    | S.N.A  |        |
| ....4 | C120         | 2203-002525 | C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1005  | 1    | S.N.A  |        |
| ....4 | C120         | 2203-002687 | C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1005   | 1    | S.A    |        |
| ....4 | C120         | 2203-002687 | C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1005   | 1    | S.A    |        |
| ....4 | C120         | 2203-002687 | C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1005   | 1    | S.A    |        |
| ....4 | C120         | 2203-002687 | C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1005   | 1    | S.A    |        |
| ....4 | C120         | 2203-002793 | C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2012 | 1    | S.A    |        |
| ....4 | C120         | 2203-005005 | C-CER,CHIP;100nF,10%,16V,X7R,1608      | 1    | S.A    |        |
| ....4 | C120         | 2203-005065 | C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608 | 1    | S.A    |        |
| ....4 | C120         | 2203-005065 | C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608 | 1    | S.A    |        |
| ....4 | C120         | 2203-005065 | C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608 | 1    | S.A    |        |
| ....4 | C120         | 2203-005065 | C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608 | 1    | S.A    |        |
| ....4 | C120         | 2203-005065 | C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608 | 1    | S.A    |        |
| ....4 | C120         | 2203-005065 | C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608 | 1    | S.A    |        |
| ....4 | C120         | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,1608      | 1    | S.A    |        |
| ....4 | C120         | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,1608      | 1    | S.A    |        |
| ....4 | C120         | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,1608      | 1    | S.A    |        |
| ....4 | C120         | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,1608      | 1    | S.A    |        |
| ....4 | C120         | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,1608      | 1    | S.A    |        |
| ....4 | C120         | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,1608      | 1    | S.A    |        |
| ....4 | C120         | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,1608      | 1    | S.A    |        |
| ....4 | C120         | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,1608      | 1    | S.A    |        |
| ....4 | C120         | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,1608      | 1    | S.A    |        |
| ....4 | C120         | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,1608      | 1    | S.A    |        |
| ....4 | C120         | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,1608      | 1    | S.A    |        |
| ....4 | C120         | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,1608      | 1    | S.A    |        |
| ....4 | C120         | 2203-005261 | C-CER,CHIP;1000nF,10%,25V,X7R,3216     | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012 | 1    | S.A    |        |

## 5. Exploded View & Part List

| Level | Location No. | Code No.    | Description & Specification             | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|---|------|--------|--------|
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005384 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,2012  | 1    | S.A    |        |
| ....4 | C120         | 2203-005533 | C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608  | 1    | S.A    |        |
| ....4 | C120         | 2203-005533 | C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608  | 1    | S.A    |        |
| ....4 | C120         | 2203-005642 | C-CER,CHIP;0.22nF,5%,50V,NP0,1005       | 1    | S.N.A  |        |
| ....4 | C120         | 2203-005809 | C-CER,CHIP;1000nF,10%,16V,X7R,-,2012    | 1    | S.A    |        |
| ....4 | C120         | 2203-005809 | C-CER,CHIP;1000nF,10%,16V,X7R,-,2012    | 1    | S.A    |        |
| ....4 | C120         | 2203-005809 | C-CER,CHIP;1000nF,10%,16V,X7R,-,2012    | 1    | S.A    |        |
| ....4 | C120         | 2203-005809 | C-CER,CHIP;1000nF,10%,16V,X7R,-,2012    | 1    | S.A    |        |
| ....4 | C120         | 2203-005834 | C-CER,CHIP;22000nF,+80-20%,10V,Y5V,3216 | 1    | S.A    |        |
| ....4 | C120         | 2203-005834 | C-CER,CHIP;22000nF,+80-20%,10V,Y5V,3216 | 1    | S.A    |        |
| ....4 | C120         | 2203-005834 | C-CER,CHIP;22000nF,+80-20%,10V,Y5V,3216 | 1    | S.A    |        |
| ....4 | C120         | 2203-005968 | C-CER,CHIP;4.7NF,10%,50V,X7R,TP,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-005968 | C-CER,CHIP;4.7NF,10%,50V,X7R,TP,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-005968 | C-CER,CHIP;4.7NF,10%,50V,X7R,TP,1005    | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006126 | C-CER,CHIP;47NF,10%,16V,X7R,TP,1005     | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006126 | C-CER,CHIP;47NF,10%,16V,X7R,TP,1005     | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006126 | C-CER,CHIP;47NF,10%,16V,X7R,TP,1005     | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006126 | C-CER,CHIP;47NF,10%,16V,X7R,TP,1005     | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006126 | C-CER,CHIP;47NF,10%,16V,X7R,TP,1005     | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006126 | C-CER,CHIP;47NF,10%,16V,X7R,TP,1005     | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006126 | C-CER,CHIP;47NF,10%,16V,X7R,TP,1005     | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006126 | C-CER,CHIP;47NF,10%,16V,X7R,TP,1005     | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006126 | C-CER,CHIP;47NF,10%,16V,X7R,TP,1005     | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006126 | C-CER,CHIP;47NF,10%,16V,X7R,TP,1005     | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006126 | C-CER,CHIP;47NF,10%,16V,X7R,TP,1005     | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006126 | C-CER,CHIP;47NF,10%,16V,X7R,TP,1005     | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006126 | C-CER,CHIP;47NF,10%,16V,X7R,TP,1005     | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006126 | C-CER,CHIP;47NF,10%,16V,X7R,TP,1005     | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006126 | C-CER,CHIP;47NF,10%,16V,X7R,TP,1005     | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006158 | C-CER,CHIP;100nF,10%,16V,X7R,1005       | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006158 | C-CER,CHIP;100nF,10%,16V,X7R,1005       | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006158 | C-CER,CHIP;100nF,10%,16V,X7R,1005       | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006158 | C-CER,CHIP;100nF,10%,16V,X7R,1005       | 1    | S.N.A  |        |



## 5. Exploded View & Part List

[illegible]

## 5. Exploded View & Part List

[illegible]



## 5. Exploded View & Part List

[illegible]

## 5. Exploded View & Part List

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ....4 | C120         | 2203-006992 | C-CER,CHIP;0.33nF,5%,50V,C0G,1005        | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006992 | C-CER,CHIP;0.33nF,5%,50V,C0G,1005        | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006992 | C-CER,CHIP;0.33nF,5%,50V,C0G,1005        | 1    | S.N.A  |        |
| ....4 | C120         | 2203-006992 | C-CER,CHIP;0.33nF,5%,50V,C0G,1005        | 1    | S.N.A  |        |
| ....4 | C120         | 2203-007176 | C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012 ( | 1    | S.N.A  |        |
| ....4 | C120         | 2203-007176 | C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012 ( | 1    | S.N.A  |        |
| ....4 | C120         | 2203-007176 | C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012 ( | 1    | S.N.A  |        |
| ....4 | C120         | 2203-007176 | C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012 ( | 1    | S.N.A  |        |
| ....4 | C120         | 2203-007176 | C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012 ( | 1    | S.N.A  |        |
| ....4 | C120         | 2203-007176 | C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012 ( | 1    | S.N.A  |        |
| ....4 | C120         | 2203-007176 | C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012 ( | 1    | S.N.A  |        |
| ....4 | C120         | 2203-007176 | C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012 ( | 1    | S.N.A  |        |
| ....4 | C1005        | 2402-001128 | C-AL,SMD;100##F,20%,16V,-,TP,6.3X5.7mm   | 1    | S.A    |        |
| ....4 | C1015        | 2402-001128 | C-AL,SMD;100##F,20%,16V,-,TP,6.3X5.7mm   | 1    | S.A    |        |
| ....4 | C3051_RDY    | 2402-001129 | C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM    | 1    | S.A    |        |
| ....4 | C1025        | 2402-001238 | C-AL,SMD;1uF,20%,50V,HR,TP,4.3x4.3x5.2mm | 1    | S.A    |        |
| ....4 | C1010        | 2402-001259 | C-AL,SMD;220uF,20%,16V,WT,REEL,8X10      | 1    | S.A    |        |
| ....4 | C2014        | 2402-001330 | C-AL,SMD;330uF,20%,25V,TP,10x10mm        | 1    | S.N.A  |        |
| ....4 | T0052        | 2703-000125 | INDUCTOR-SMD;10uH,10%,2012               | 1    | S.A    |        |
| ....4 | T0052        | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225               | 1    | S.A    |        |
| ....4 | T0052        | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225               | 1    | S.A    |        |
| ....4 | T0052        | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225               | 1    | S.A    |        |
| ....4 | T0052        | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225               | 1    | S.A    |        |
| ....4 | T0052        | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225               | 1    | S.A    |        |
| ....4 | T0052        | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225               | 1    | S.A    |        |
| ....4 | T0052        | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225               | 1    | S.A    |        |
| ....4 | T0052        | 2703-000398 | INDUCTOR-SMD;10uH,10%,3225               | 1    | S.A    |        |
| ....4 | T0052        | 2703-000417 | INDUCTOR-SMD;220uH,5%,3225               | 1    | S.A    |        |
| ....4 | T0052        | 2703-001426 | INDUCTOR-SMD;680uH,20%,7070              | 1    | S.A    |        |
| ....4 | T0052        | 2703-001778 | INDUCTOR-SMD;3.3uH,20%,3225              | 1    | S.A    |        |
| ....4 | T0052        | 2703-003362 | INDUCTOR-SMD;4.7uH,20%,7070              | 1    | S.A    |        |
| ....4 | L2001        | 2704-000018 | INDUCTOR-SMD-ARRAY;15uH,2000mA,2,0.124oh | 1    | S.N.A  |        |
| ....4 | L2002        | 2704-000018 | INDUCTOR-SMD-ARRAY;15uH,2000mA,2,0.124oh | 1    | S.N.A  |        |
| ....4 | X202         | 2801-003667 | CRYSTAL-SMD;14.31818MHz,30ppm,28-AAN,16p | 1    | S.A    |        |
| ....4 | T0568        | 3301-000314 | BEAD-SMD;120ohm,1.6x0.8x0.8mm,-,-,-      | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-000314 | BEAD-SMD;120ohm,1.6x0.8x0.8mm,-,-,-      | 1    | S.N.A  |        |
| ....4 | G101         | 3301-000316 | CORE-FERRITE BEAD;120ohm,2012,TP,-,-     | 1    | S.N.A  |        |
| ....4 | G101         | 3301-000316 | CORE-FERRITE BEAD;120ohm,2012,TP,-,-     | 1    | S.N.A  |        |
| ....4 | G101         | 3301-000316 | CORE-FERRITE BEAD;120ohm,2012,TP,-,-     | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001145 | BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001145 | BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001145 | BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001145 | BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001145 | BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001145 | BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001148 | BEAD-SMD;60ohm,1608,TP,-,-               | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001148 | BEAD-SMD;60ohm,1608,TP,-,-               | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001148 | BEAD-SMD;60ohm,1608,TP,-,-               | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001163 | BEAD-SMD;80ohm,2012,TP,-,192ohm/867MHz   | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001236 | BEAD-SMD;60ohm,1608,-,-,-                | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001236 | BEAD-SMD;60ohm,1608,-,-,-                | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001236 | BEAD-SMD;60ohm,1608,-,-,-                | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001324 | BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm    | 1    | S.A    |        |
| ....4 | T0568        | 3301-001324 | BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm    | 1    | S.A    |        |
| ....4 | T0568        | 3301-001324 | BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm    | 1    | S.A    |        |
| ....4 | T0568        | 3301-001324 | BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm    | 1    | S.A    |        |
| ....4 | T0568        | 3301-001324 | BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm    | 1    | S.A    |        |
| ....4 | T0568        | 3301-001324 | BEAD-SMD;15ohm,2012,600mA,TP,,,0.1ohm    | 1    | S.A    |        |
| ....4 | T0568        | 3301-001393 | BEAD-SMD;60ohm,3216,1500mA,TP,41ohm/40MH | 1    | S.N.A  |        |
| ....4 | T0568        | 3301-001404 | BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz     | 1    | S.A    |        |
| ....4 | T0568        | 3301-001404 | BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz     | 1    | S.A    |        |
| ....4 | T0568        | 3301-001404 | BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz     | 1    | S.A    |        |
| ....4 | T0568        | 3301-001404 | BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz     | 1    | S.A    |        |
| ....4 | T0568        | 3301-001404 | BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz     | 1    | S.A    |        |
| ....4 | T0568        | 3301-001404 | BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz     | 1    | S.A    |        |
| ....4 | T0568        | 3301-001404 | BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz     | 1    | S.A    |        |
| ....4 | T0568        | 3301-001404 | BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz     | 1    | S.A    |        |
| ....4 | JA3001       | 3701-001367 | CONNECTOR-HDMI;19P,2R,FEMALE,SMD,AU      | 1    | S.A    |        |
| ....4 | JA3002       | 3701-001367 | CONNECTOR-HDMI;19P,2R,FEMALE,SMD,AU      | 1    | S.A    |        |
| ....4 | CN6001_FFC   | 3708-001150 | CONNECTOR-FPC/FFC/PIC;30P,1mm,SMD-A,SN,Y | 1    | S.A    |        |
| ....4 | T0077        | BN41-00987A | PCB MAIN;CORAL 450 REV,FR-4,4,1.0,1.2T   | 1    | S.N.A  |        |
| ....4 | M0107        | BN61-03858A | BRACKET-PCB;L450,BRASS(H62Y),T0.4,5mm,7m | 1    | S.N.A  |        |
| ....4 | M0107        | BN61-03858A | BRACKET-PCB;L450,BRASS(H62Y),T0.4,5mm,7m | 1    | S.N.A  |        |
| ....4 | M0107        | BN61-03858A | BRACKET-PCB;L450,BRASS(H62Y),T0.4,5mm,7m | 1    | S.N.A  |        |
| ....4 | M0107        | BN61-03858A | BRACKET-PCB;L450,BRASS(H62Y),T0.4,5mm,7m | 1    | S.N.A  |        |
| ....4 | R110         | 2007-000115 | R-CHIP;82ohm,5%,1/10W,TP,1608            | 1    | S.A    |        |
| ....4 | C120         | 2203-006708 | C-CER,CHIP;4700nF,+80-20%,10V,Y5V,1608   | 1    | S.A    |        |
| ....4 | C6045_CMO    | 2402-001086 | C-AL,SMD;100UF,20%,16V,WT,TP,6.6X6.6X5.3 | 1    | S.A    |        |
| ....4 | MAIN         | BN97-02175A | ASSY MICOM-MAIN;T-CRL26MSAM-1002,2008.06 | 1    | S.N.A  |        |
| ....5 | IC115        | 1107-001709 | IC-FLASH MEMORY;MX25L1605A,16Mbit,2Mx8,S | 1    | S.N.A  |        |
| ....4 | R110         | 2007-001305 | R-CHIP;120ohm,5%,1/16W,TP,1005           | 1    | S.N.A  |        |
| ....4 | R110         | 2007-001305 | R-CHIP;120ohm,5%,1/16W,TP,1005           | 1    | S.N.A  |        |
| ....4 | IC104        | 0801-002633 | IC-CMOS LOGIC;7WBD3125,2bit BUS SWITCH,S | 1    | S.A    |        |
| ....4 | IC104        | 0801-002633 | IC-CMOS LOGIC;7WBD3125,2bit BUS SWITCH,S | 1    | S.A    |        |
| ....4 | IC104        | 0801-002633 | IC-CMOS LOGIC;7WBD3125,2bit BUS SWITCH,S | 1    | S.A    |        |
| ....4 | IC104        | 0801-002633 | IC-CMOS LOGIC;7WBD3125,2bit BUS SWITCH,S | 1    | S.A    |        |
| ....4 | R110         | 2007-000149 | R-CHIP;12Kohm,5%,1/16W,TP,1005           | 1    | S.A    |        |
| ....4 | R110         | 2007-000149 | R-CHIP;12Kohm,5%,1/16W,TP,1005           | 1    | S.A    |        |
| ....4 | R110         | 2007-000149 | R-CHIP;12Kohm,5%,1/16W,TP,1005           | 1    | S.A    |        |
| ....4 | R110         | 2007-000149 | R-CHIP;12Kohm,5%,1/16W,TP,1005           | 1    | S.A    |        |
| ....4 | C120         | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608         | 1    | S.A    |        |
| ....4 | C120         | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,1608         | 1    | S.A    |        |
| ...3  | JA333        | 3722-002699 | JACK-PIN;3P,Ni,YEL/WHT/RED,STRAIGHT      | 1    | S.A    |        |
| ...3  | HDCP         | BN97-01987A | ASSY HDCP;BN46-00018A,PS-42V6S,D73A,MSTA | 1    | S.N.A  |        |
| ....4 | KEY          | BN46-00018A | KEY CODE-CERTIFICATE;(HDCP KEY)PPM42M5S, | 1    | S.N.A  |        |

## 5. Exploded View &amp; Part List

| Level | Location No. | Code No.    | Description & Specification               | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|---|------|--------|--------|
| ...3  | T0530        | BN61-04203A | SUPPORT-PCB;-;SPTE,W7*L9* H11,-,-,-,-     | 1    | S.N.A  |        |
| ...3  | HOLDER-CLA   | BN61-02470C | HOLDER-CLAMP DMD;NYLON 6/6,NATURAL,DACN-  | 1    | S.N.A  |        |
|       |              |             |   |      |        |        |
| 0.1   | M0019        | BN92-03380P | ASSY LABEL;LN37A450C1XSR,CORAL            | 1    | S.N.A  |        |
|       |              |             |   |      |        |        |
| 0.1   | M0113        | BN92-03175A | ASSY P/MATERIAL;37L450,UO,,,              | 1    | S.N.A  |        |
| ..2   | T0524        | 6902-000739 | BAG PE;HDPE/HDPE/NITRON,T0.015/T0.015/T1  | 1    | S.N.A  |        |
| ..2   | B/PP         | 6922-000013 | BAND PP;PP,W18,L2300m,TRP,Roll Diameter   | 4.02 | S.N.A  |        |
| ..2   | T0214        | AA61-20285C | HOLDER-BOX;CORAL,PP,BLACK,HB              | 2    | S.N.A  |        |
| ..2   | T0214        | BN74-00008A | TAPE-OPP MASKING;OPP-2,T0.05,W100,L800M,  | 1.15 | S.N.A  |        |
|       |              |             |   |      |        |        |
| 0.1   | M0003        | BN92-03642A | ASSY BOX;37L450,LO                        | 1    | S.N.A  |        |
| ..2   |              | BN69-02399A | BOX-01,SET IN;L450-37,CB,C-01,DY-01,AB,W  | 1    | S.N.A  |        |
| ..2   |              | BN69-02586C | BOX-SET,OUT;37L450-DS,CB,C-03,DW-75,YEL,  | 1.02 | S.N.A  |        |
|       |              |             |   |      |        |        |
| 0.1   | M0216        | BN90-01513A | ASSY STAND;37L450,UO,,,                   | 1    | S.N.A  |        |
| ..2   | M0027        | BN96-07182A | ASSY STAND P-BASE;37,40L450,UO,ABS+PMMA,  | 1    | S.A    |        |
| ...3  | T0081        | 6002-001294 | SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)       | 4    | S.A    |        |
| ...3  | M0081        | 6003-001239 | SCREW-TAPTITE;FH,+,-,B,M4,L10,ZPC(WHT),S  | 8    | S.A    |        |
| ...3  | H/SRTOP      | BN61-02248A | HOLDER-SWIVEL RING;40R71,ACETAL NATUAL,T  | 1    | S.N.A  |        |
| ...3  | B/SBOTTOM    | BN61-02883A | BRACKET-STAND BOTTOM;BORDEAUX PLUS,40,SE  | 1    | S.N.A  |        |
| ...3  | H/SRBOTTOM   | BN61-02885A | HOLDER-SWIVEL RING;MURANO40,ACETAL NATUR  | 1    | S.N.A  |        |
| ...3  | B/HINGE      | BN61-02886A | BRACKET-HINGE SWIVEL;BORDEAUX PLUS,40,SE  | 1    | S.N.A  |        |
| ...3  | T0920        | BN61-03870A | GUIDE-STAND;L450 40INCH,PC+GF 20%,BLK     | 1    | S.N.A  |        |
| ...3  | CCM1         | BN63-02183E | COVER-SHEET;Rhcm,PE Vinyl,T0.05,750mm,20  | 0.5  | S.N.A  |        |
| ...3  | T0004        | BN63-03030A | COVER-STAND BASE;40R81,ABS+PMMA,-,-,-,HB  | 1    | S.N.A  |        |
| ...3  | M0560        | BN96-01800A | ASSY ACCESSORY-SCREW ZIPPER;ROME32,-,-,-  | 1    | S.N.A  |        |
| ....4 | T0081        | 6002-001294 | SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)       | 4    | S.A    |        |
| ....4 | ACCESSORY    | 6902-000683 | BAG ZIPPER;LDPE,T0.05,W60,L60,TRP,-,-,2-  | 1    | S.N.A  |        |
| ...3  | M0560        | BN96-01800D | ASSY ACCESSORY-SCREW ZIPPER;CORAL,Withou  | 1    | S.N.A  |        |
| ....4 | M0081        | 6003-001334 | SCREW-TAPTITE;BH,+,,S,M4,L14,ZPC(BLK),SWR | 3    | S.N.A  |        |
| ....4 | B/ZIPPER     | 6902-000683 | BAG ZIPPER;LDPE,T0.05,W60,L60,TRP,-,-,2-  | 1    | S.N.A  |        |
| ...3  | ASTGUIDE     | BN96-07936A | ASSY STAND P-GUIDE;L450 32INCH,PC+,GF(20  | 1    | S.A    |        |
| ....4 |              | BN61-02932B | BRACKET-STOPPER NUT;L450,M4,OD8,-,-,L24,  | 3    | S.N.A  |        |
| ....4 |              | BN61-03873A | GUIDE-STAND BOTTOM;L450 40INCH,PC+GF(20%  | 1    | S.N.A  |        |
| ...3  | M0126        | BN73-00052C | RUBBER-FOOT;LCD TV,CR RUBBER,T2.0 DIA19,  | 4    | S.N.A  |        |
| ...3  |              | BN68-01402D | MANUAL FLYER-STAND GUIDE;COMM,SAMSUNG,En  | 1    | S.N.A  |        |
|       |              |             |   |      |        |        |
| 0.1   | M0590        | BN81-01863A | AS-T-CON BOARD;CLAA370WF02S,00507A,-,-,-  | 1    | S.N.A  |        |

## 4. Troubleshooting

### 4-1. Troubleshooting

1. Check the various cable connections first.
  - Check to see if there is a burnt or damaged cable.
  - Check to see if there is a disconnected or loose cable connection.
  - Check to see if the cables are connected according to the connection diagram.

2. Check the power input to the Main Board.

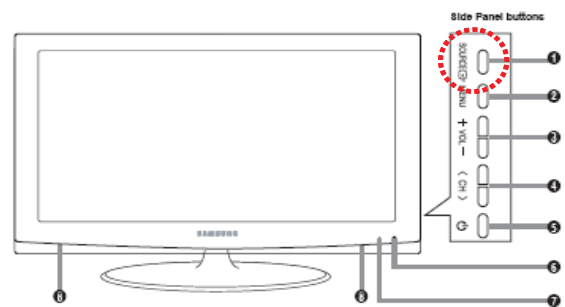
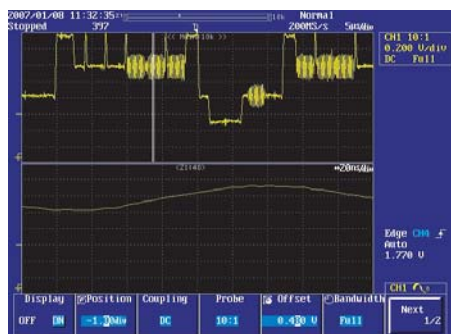
Check internal Pattern FBE3 if there is some picture noise.

FBE3: Factory mode(Info - MENU - MUTE - power on\_ -> 4. Advanced menu -> Option block->

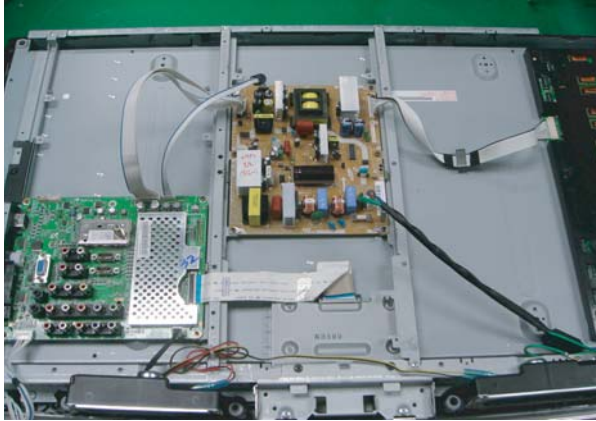
FBE->Pattern Select

Press right button of Remocon.

If FBE3 NG,change the main Board

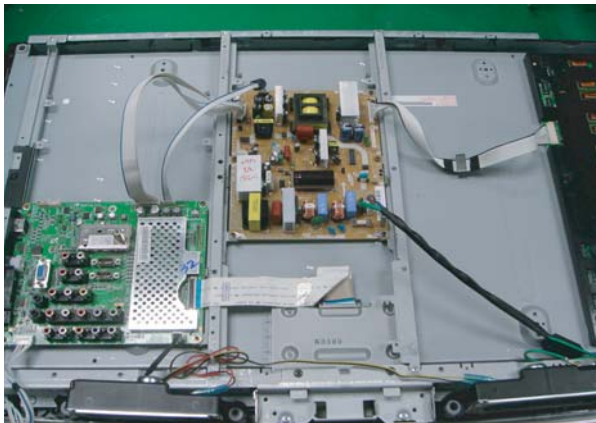


**4-1-1. No Power**

|                   |  |
|-------------------|--|
| Symptom           | <ul style="list-style-type: none"> <li>- The LEDs on the front panel do not work when connecting the power cord.</li> <li>- The SMPS relay does not work when connecting the power cord.</li> <li>- The units appears to be dead.</li> </ul>   |
| Major checkpoints | <p>The IP relay or the LEDs on the front panel does not work when connecting the power cord if the cables are improperly connected or the Main Board or SMPS is not functioning. In this case, check the following:</p> <ul style="list-style-type: none"> <li>- Check the internal cable connection status inside the unit.</li> <li>- Check the fuses of each part.</li> <li>- Check the output voltage of SMPS.</li> <li>- Replace the Main Board.</li> </ul>   |
| Diagnostics       |  <pre> graph TD     Q1[LAMP off, power indicator LED red color?] -- No --&gt; A1[Check a connection a power cable.]     Q1 -- Yes --&gt; Q2[1 Does proper DC 13V appear at pin20 of CN1001?]     Q2 -- No --&gt; A2[Change a Assy PCB Power.]     Q2 -- Yes --&gt; Q3[2 Does proper DC A3.3V appear at C1040?]     Q3 -- No --&gt; A3[Check a IC1011<br/>Change a main PCB ass'y]     Q3 -- Yes --&gt; Q4[3 Does proper DC 5V, 3.3V, 1.2V appear at C1005, C1038, C1063?]     Q4 -- No --&gt; A4[Check a IC1006, IC1012.<br/>Change a main PCB ass'y]     Q4 -- Yes --&gt; Q5[4 A power is supplied to set?]   </pre> |
| Caution           | Make sure to disconnect the power before working on the IP board.  |



## 4-1-2. No Video (Analog PC signal)

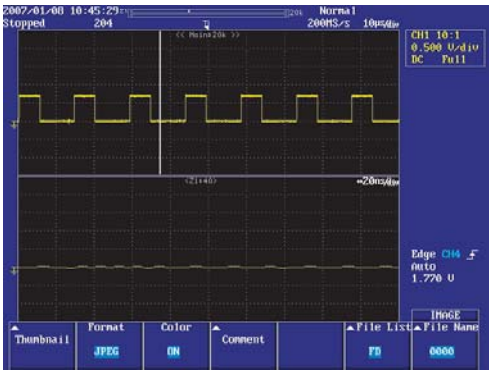
|                   |   |
|-------------------|---|
| Symptom           | <ul style="list-style-type: none"> <li>Audio is normal but no picture is displayed on the screen.</li> </ul>  |
| Major checkpoints | <ul style="list-style-type: none"> <li>Check the PC source</li> <li>Check the M-star</li> <li>This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.</li> </ul>   |
| Diagnostics       |  <pre> graph TD     A[Power Indicator is off.<br/>Lamp on, no video.] -- Yes --&gt; B[Check a PC source and check<br/>the connection of DSUB cable?]     B -- No --&gt; C[Input a analog PC signal and<br/>connected cable(DPMS).]     B -- Yes --&gt; D[1 Does the signal appear at C5050,<br/>C5049, C5047(R,G,B) of IC5001]     D -- No --&gt; E[PC cable. Change a PC<br/>cable. Change a main PCB ass'y.]     D -- Yes --&gt; F[2 Does the digital data appear at the<br/>output of LVDS (R6048~6045_FBE)?]     F -- No --&gt; G[Check a IC6001.<br/>Change a main PCB ass'y]     F -- Yes --&gt; H[3 Check a LVDS cable?<br/>Replace a lcd panel?]     H -- Yes --&gt; I[Please, Call to Samsung Co. LTD.]           </pre> |
| Caution           | Make sure to disconnect the power before working on the IP board.   |



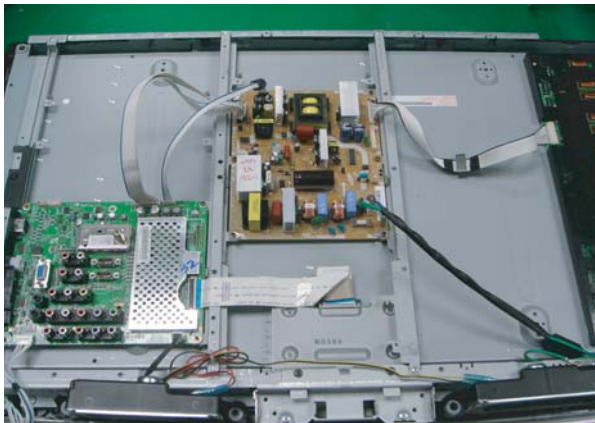
WAVEFORMS

1

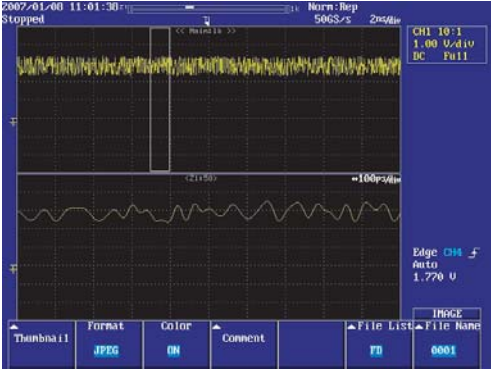
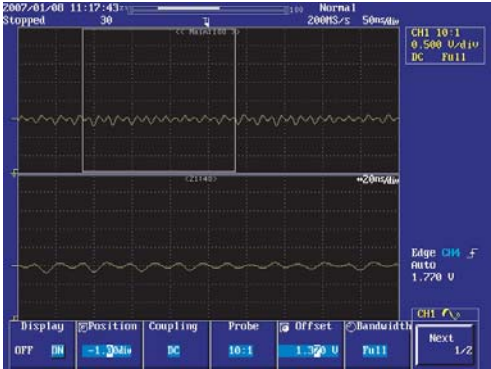
R,G,B Output Signal



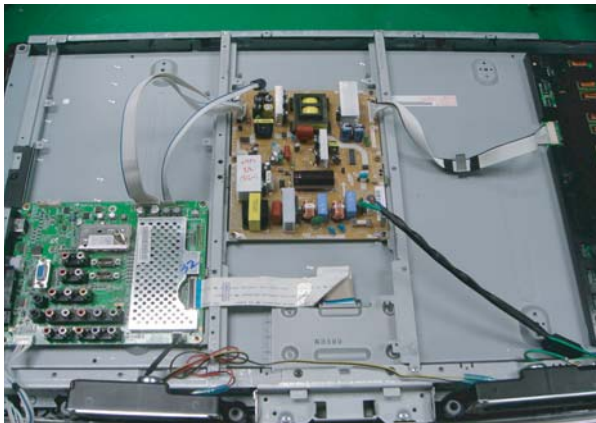
### 4-1-3. No Video (HDMI - Digital Signal)

|                   |  |
|-------------------|--|
| Symptom           | <ul style="list-style-type: none"> <li>Audio is normal but no picture is displayed on the screen.</li> </ul>   |
| Major checkpoints | <ul style="list-style-type: none"> <li>Check the HDMI source</li> <li>Check the M-star</li> <li>This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.</li> </ul>  |
| Diagnostics       |  <pre> graph TD     Start[Power Indicator is off.<br/>Lamp on, no video.] -- Yes --&gt; Q1{1 Check the connection<br/>of HDMI cable?}     Q1 -- No --&gt; A1[Input a HDMI cable.]     Q1 -- Yes --&gt; Q2{2 Does the digital data appear at<br/>R5055~5062,R5066~5073?}     Q2 -- No --&gt; A2[Check a IC1402.<br/>Change a main PCB ass'y.]     Q2 -- Yes --&gt; Q3{3 Does the digital data appear at output of<br/>IC5001(R6048~6045_FBE)?}     Q3 -- No --&gt; A3[Check a IC1401.<br/>Change a main PCB ass'y.]     Q3 -- Yes --&gt; Q4[Check the LVDS cable?<br/>Replace the LCD panel?]     Q4 -- Yes --&gt; End[Please, Contact Tech support]   </pre> |
| Caution           | Make sure to disconnect the power before working on the IP board.  |

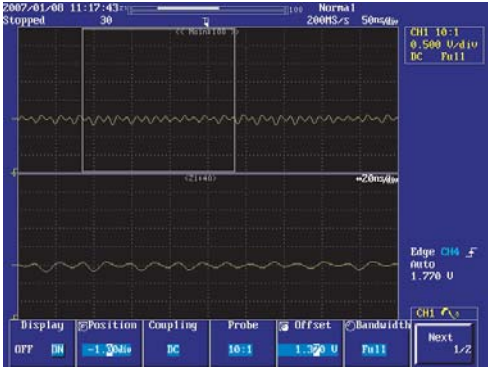
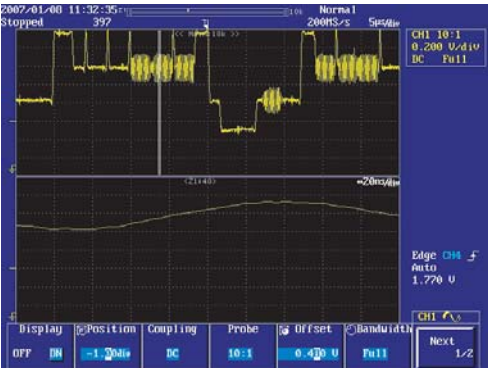
WAVEFORMS

|  |                      |
|--|----------------------|
| 2  | Digital Output Data  |
|   |                      |
| 3  | Signal of HDMI(Data) |
|  |                      |

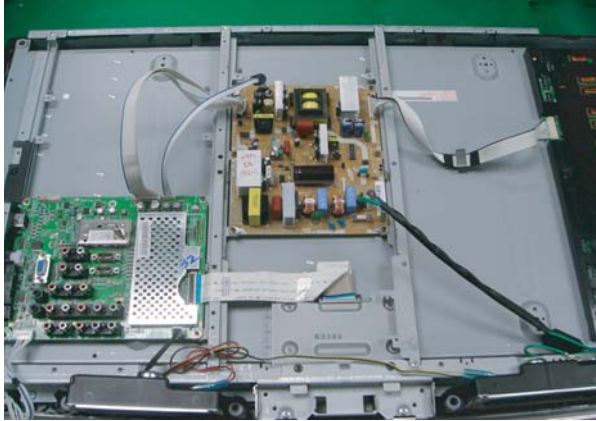
#### 4-1-4. No Video (Tuner\_CVBS)

|                   |   |
|-------------------|---|
| Symptom           | <ul style="list-style-type: none"> <li>Audio is normal but no picture is displayed on the screen.</li> </ul>  |
| Major checkpoints | <ul style="list-style-type: none"> <li>Check the Tuner CVBS source</li> <li>Check the M-star</li> <li>This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.</li> </ul>   |
| Diagnostics       |  <pre> graph TD     A[Power Indicator is off.<br/>Lamp on, no picture.] -- No --&gt; B[Connect the RF cable and<br/>check RF signal.]     A -- Yes --&gt; C[Does the signal appear at R3235?]     C -- No --&gt; D[Check a B+ voltage (#7 of Tuner) 5V,<br/>change a main PCB ass'y.]     C -- Yes --&gt; E["[4] Does the signal appear at C5068<br/>of IC5001?"]     E -- No --&gt; F[Change a main PCB ass'y.]     E -- Yes --&gt; G[Check the LVDS cable?<br/>Replace the LCD panel?]     G -- Yes --&gt; H[Please, Call to Samsung Co. LTD.]   </pre> |
| Caution           | Make sure to disconnect the power before working on the IP board.   |

WAVEFORMS

|  |                          |
|--|--------------------------|
| 3  | CVBS Output Signal       |
|   |                          |
| 4  | Tuner_CVBS Output Signal |
|  |                          |

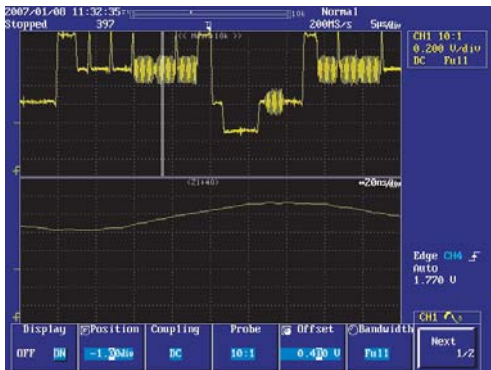
### 4-1-5. No Picture (Video\_CVBS)

|                   |  |
|-------------------|--|
| Symptom           | <ul style="list-style-type: none"> <li>Audio is normal but no picture is displayed on the screen.</li> </ul>   |
| Major checkpoints | <ul style="list-style-type: none"> <li>Check the Video Source</li> <li>Check the M-star</li> <li>This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.</li> </ul>   |
| Diagnostics       |  <pre> graph TD     A[Power Indicator is off.<br/>Lamp on, no picture.] -- No --&gt; B[Check a A/V cable and video signal.]     A -- Yes --&gt; C[1 Does the signal appear at C5064<br/>or C5061 of IC5001?]     C -- No --&gt; D[Check a connection harness.]     C -- Yes --&gt; E[2 Check a LVDS cable ?<br/>Replcelcd panel?]     E -- Yes --&gt; F[Please, Call to Samsung Co. LTD.]   </pre> |
| Caution           | Make sure to disconnect the power before working on the IP board.  |

WAVEFORMS

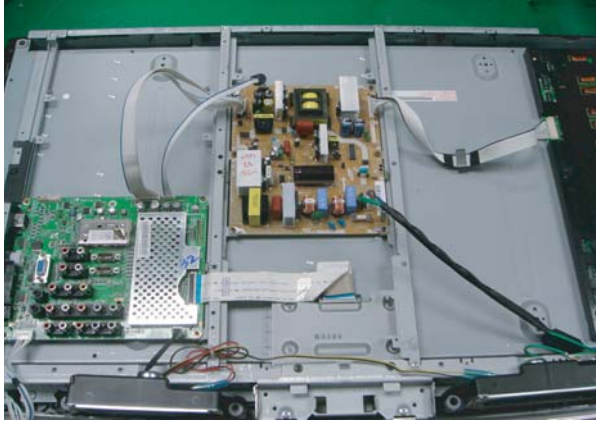
4

CVBS Output Signal

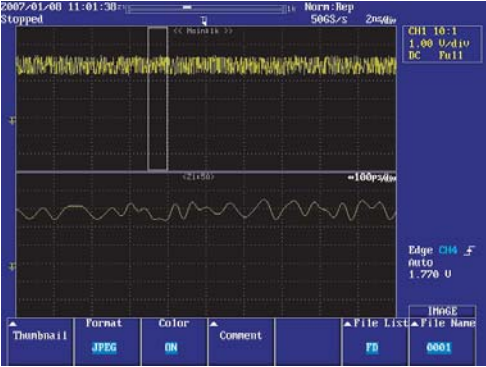
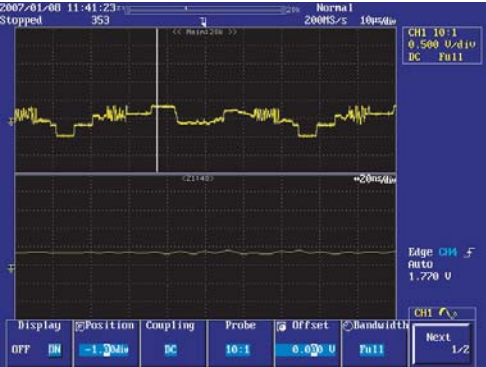




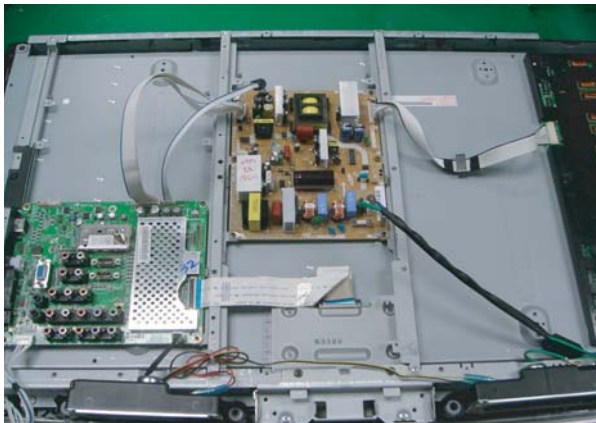
### 4-1-6. No Picture (S-VIDEO\_Y,C)

|                   |  |
|-------------------|--|
| Symptom           | <ul style="list-style-type: none"> <li>Audio is normal but no picture is displayed on the screen.</li> </ul>   |
| Major checkpoints | <ul style="list-style-type: none"> <li>Check the S-Video_Y,C source</li> <li>Check the M-star</li> <li>This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.</li> </ul>   |
| Diagnostics       |  <pre> graph TD     A[Power Indicator is off.<br/>Lamp on, no picture.] -- No --&gt; B[Connect the s-video cable.<br/>Operating a video player.]     A -- Yes --&gt; C[1 Does the Y/C signal appear at<br/>C5062or C5063 of IC5001?]     C -- No --&gt; D[Check a connection harness.]     C -- Yes --&gt; E[2 Check a LVDS cable ?<br/>Replcelcd panel?]     E -- Yes --&gt; F[Please, Call to Samsung Co. LTD.]   </pre> |
| Caution           | Make sure to disconnect the power before working on the IP board.  |

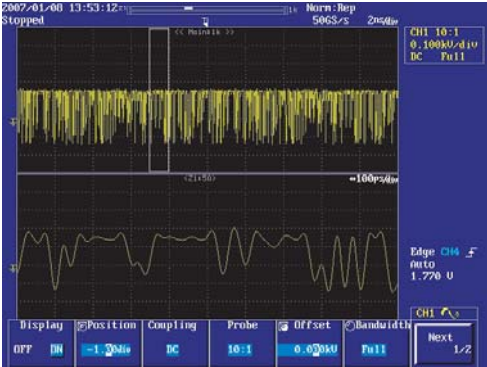
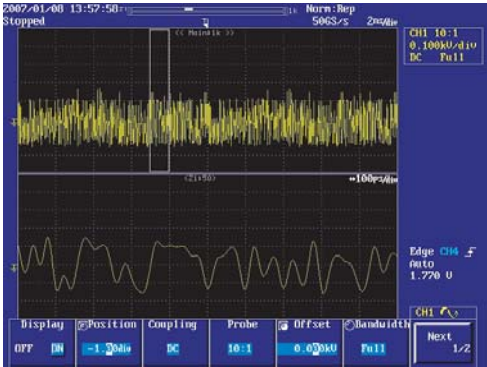
WAVEFORMS

|  |                     |
|--|---------------------|
| 2  | Digital Output Data |
|   |                     |
| 5  | Analog Signal(Y,C)  |
|  |                     |

## 4-1-7. No Sound

|                   |   |
|-------------------|---|
| Symptom           | <ul style="list-style-type: none"> <li>Audio is normal but no picture is displayed on the screen.</li> </ul>  |
| Major checkpoints | <ul style="list-style-type: none"> <li>Check the RF Source</li> <li>Check the M-star</li> <li>This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.</li> </ul>   |
| Diagnostics       |  <pre> graph TD     Start[Picture is display, no sound.] -- No --&gt; Step1[Connect a sound cable.<br/>control a volume.]     Start -- Yes --&gt; Step2{1 Does the signal appear at pin 232, 236,<br/>234,237(I2S_CLK, I2S_SCLK, I2S_LRCLK, I2S_DATA) of IC1201?}     Step2 -- No --&gt; Step3[Check a connection harness and<br/>headphone jack./Side AV<br/>Check Sound Processor<br/>IC5001 (M-star)]     Step2 -- Yes --&gt; Step4{2 Check the DC 12V<br/>of IC2001?}     Step4 -- No --&gt; Step5[Check a B12V Line.<br/>Change a main PCB ass'y]     Step4 -- Yes --&gt; Step6{3 Does the signal appear at<br/>Pin 47 or 48, 53 or 54(CH1_L, R Sound) And Pin<br/>36 or 37, 30 or 31 (CH2_L, R Sound) of IC2001?}     Step6 -- No --&gt; Step7[Change a main PCB ass'y.]     Step6 -- Yes --&gt; Step8[Replace the speaker ass'y?]           </pre> |
| Caution           | Make sure to disconnect the power before working on the IP board.   |

WAVEFORMS

|  |                                  |
|--|----------------------------------|
| 6  | The Signal are Inputed to IC1201 |
|   |                                  |
| 7  | The Signal are Inputed to IC1202 |
|  |                                  |

## **4-2. Alignments and Adjustments**

### **4-2-1. General Alignment Instruction**

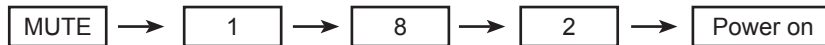
1. Usually, a color LCD-TV needs only slight touch-up adjustment upon installation.  
Check the basic characteristics such as height, horizontal and vertical sync.
2. Use the specified test equipment or its equivalent.
3. Correct impedance matching is essential.
4. Avoid overload. Excessive signal from 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 transformer.

## 4-3. Factory Mode Adjustments

### 4-3-1 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.

1. Remote - Control Key : Power, Arrow Up, Arrow Down, Arrow Left

Arrow Right, Menu, Enter, Number Key(0~9)

2. Function - Control Key : Power, CH +, CH -, VOL +, VOL -,  
Menu, TV/VIDEO(Enter)

### 4-3-2 Panel Check

You have to check Panel Maker Because of different adjustments as follows.

First of all, Check the label rating!

1) Label Rating File

- LCD PANEL MARK

A:ACER(AUO) S : SEC C : CMO

\* If not printed you could consider S(sec) panel mark.

## 4-3-3 Factory Data

1. Option Table(Service)
2. WB Adjust
3. Information
4. Advanced Menu

Checksum

T-CRL32MEAM-\*\*\*\*

HDCP Success

Month/Day/Year/Hour/MIN/SEC

1. Option Table(Service)

32" Option

| No | Item          | Range  | Option                         |
|----|---------------|--|--------------------------------|
| 1  | Factory Reset |  |                                |
| 2  | Country(0x55) | Default_0  |                                |
| 3  | Ready         | ON/OFF   | ON                             |
| 4  | Inch Option   | 19/22/23/26/27/32/37/40<br>/42/46/50/52/57   | It depends on each panel size. |
| 5  | Dimm Type     | INT/INT_NEG/EXT_POS/EXT_NEG/EXT  | INT                            |
| 6  | Panel Type    | 19A_T/22A_T/22D_T/26A_AG/26L_AG/26D_T/32L_AG/32L_NG/32D_NG/32D_AG/37L_AG/37I_NG/40L_AG/40A_AG/32A_AG7/32A_AG8/37L_NG/26D_T_NF/32D_AG_NF/32A_AG_NG/37L_NG_NF/37I_NG_NF/40L_AG_NF/40A_AG_NF/32A_PB/26A_PB/37L_PB/40A_PB/ | It depends on each panel type. |
| 7  | Model Option  | Coral/Jade/Tanzanite/Hanaro/<br>Jade FBE/Pyrope/Pyrope_3D/Carnelian<br>/Carnelian_3D/Amber   | Coral/Jade                     |
| 8  | Anynet +      | ON/OFF   | ON                             |
| 9  | Light Effect  | ON/OFF   | OFF                            |
| 10 | TTX           | ON/OFF   | ON/OFF(China)                  |
| 11 | TTX List      | FLOF/List  | FLOF                           |
| 12 | TTX Group     | Lang OSD/ W Europe/Russia/Greek/Turek/ Arab/Farsi/<br>ArabHbrw   | Lang OSD                       |
| 13 | Carrier Mute  | ON/OFF   | OFF                            |
| 14 | High Devi     | ON/OFF   | OFF                            |
| 15 | Volume Curve  | EA/INDIA   | EA/INDIA                       |
| 16 | HotPlug       | ON/OFF   | ON                             |
| 17 | HotPlugCtrl   | ON/OFF   | ON                             |
| 18 | HotPlugDelay  | 0 ~ 63   | 12                             |
| 19 | Auto Power    | ON/OFF   | ON                             |
| 20 | LNA Menu      | OFF  | OFF                            |
| 21 | Hotel Option  | ON/OFF   | OFF                            |
| 22 | D.Gamma       | OFF/0.85/0.88/0.90/0.93/0.95/0.98/ M1/M2/M3/M4   | 0.9                            |
| 23 | Tuner Select  | XUGUANG/ SEMCO   | It depends on vendor.          |
| 24 | Language      | English/China/French/Arabic/Persia   | English                        |
| 25 | Ch Table      | SUWON/SESK/SHE/TTSEC/SEIN/SDMA/<br>TSED/SAVINA/Lang OSD  | Select Local area              |
| 26 | DDR           | Etron  | Etron                          |
| 27 | Shop Mode     | ON/OFF   | OFF                            |
| 28 | Nordic        | OFF  |                                |



#### 4. Troubleshooting

| No | Item            | Range                     | Option                   |
|----|-----------------|---------------------------|--------------------------|
| 29 | Arabic          | ON/OFF                    | OFF/ON(Persian Language) |
| 30 | NT Conversion   | ON/OFF                    | OFF                      |
| 31 | Control         | -                         |                          |
|    | WM Calib        | ON/OFF                    | OFF                      |
|    | EDID Protect    | ON/OFF                    | ON                       |
|    | Edid Type       | Coral/P450-50HP/P450-42HP | L12_1366_768             |
|    | EDIE Write      | Failure/Success           | L12_1366_768 Success     |
|    | WB Data Reset   | ON/OFF                    | OFF                      |
|    | EEPROM Reset    |                           |                          |
|    | Logic Download  | ON/OFF                    | OFF                      |
|    | LVDS Format     | Default/VESA/JEIDA        | Default                  |
|    | PC Ident        | ON/OFF                    | ON                       |
| 32 | PDP Filter      | 42" 3D                    |                          |
| 33 | PDP Group       | P34A_R3D                  |                          |
| 34 | Spread Spectrum | ON/OFF                    | ON                       |
|    | Step1           | 0~255                     | 30                       |
|    | Step2           | 0~255                     | 9                        |
|    | Range1          | -                         | 0                        |
|    | Range2          | -                         | 44                       |
|    | FBE SSC         | -                         | 5                        |

|                      |             |                           |        |
|----------------------|-------------|---------------------------|--------|
| <b>Advanced Menu</b> | Adjust      |                           |        |
|                      | Uart Select | OFF/Main/Idtv/LVDS ON     | OFF    |
|                      | Debug Mode  | Normal/NONE/MSTAR/RunTime | Normal |
|                      | HP Detect   | Low/High                  | High   |

## 37" Option

| No | Item          | Adjustment Range  | Latin America |
|----|---------------|---|---------------|
| 1  | Factory Reset |   |               |
| 2  | Country(0x55) | Others-0  | Others-0      |
| 3  | Ready         | ON  | ON            |
| 4  | Panel Inch    | 19/22/23/26/27/32/37/40/42/46/50/52/57  | 37            |
| 5  | Dimm Type     | INT/INT_NEG/EXT_POS/EXT_NEG/EXT   | INT           |
| 6  | Panel Type    | 19A T/22A T/22D T/26A AG/26L AG/26D T/32L AG/<br>32L NG/32D NG/32D AG/37L AG/37I NG/40L AG/40A AG/<br>32A AG 7/32A AG 8/37L NG/26D T NF/32D AG NF/<br>32A AG NF/37L NG NF/37I NG NF/40L AG NF/40A AG NF/<br>32A PB/26A PB/37L PB/40A PB | 37L AG        |
| 7  | Model Option  | Coral/Jade/Tanzanite/Hanaro/Jade_FBE/Pyrope/<br>Pyrope_3D/Carnelian/Carnelian_3D/Amber  | Coral         |
| 8  | Anynet +      | ON/OFF  | ON            |
| 9  | Light Effect  | ON/OFF  | OFF           |
| 10 | TTX           | ON/OFF  | OFF           |
| 11 | TTX List      | FLOF/List   | FLOF          |
| 12 | TTX Group     | Lang OSD/W Europe/E Europe/Russia<br>Greek/Turkey/Arab/Farsi/ArabHbrw   | Lang OSD      |
| 13 | Carrier Mute  | ON/OFF  | OFF           |
| 14 | High Devi     | ON/OFF  | OFF           |
| 15 | Volume Curve  | EA/EU   | EA            |
| 16 | HotPlug       | ON/OFF  | ON            |
| 17 | HotPlugCtrl   | ON/OFF  | ON            |
| 18 | HotPlugDelay  | 0 ~ 63  | 12            |
| 19 | Auto Power    | ON/OFF  | ON            |
| 20 | LNA Menu      | OFF   | OFF           |
| 21 | Hotel Option  | ON/OFF  | OFF           |
| 22 | D.Gamma       | OFF/0.85/0.88/0.90/0.93/0.95/0.98/ M1/M2/M3/M4  | 0.93          |
| 23 | PC Ident      | ON/OFF  | ON            |
| 24 | Language      | English/French/Spain/Portuguese   | English       |
| 25 | Ch Table      | SUWON/SESK/SHE/TTSEC/SEIN/SDMA/<br>TSED/SAVINA/Lang OSD   | SUWON         |
| 26 | DDR           | Etron   | Etron         |
| 27 | Shop Mode     | ON/OFF  | OFF           |
| 28 | Nordic        | OFF   |               |
| 29 | Arabic        | ON/OFF  | OFF           |
| 30 | NT Conversion | ON/OFF  |               |

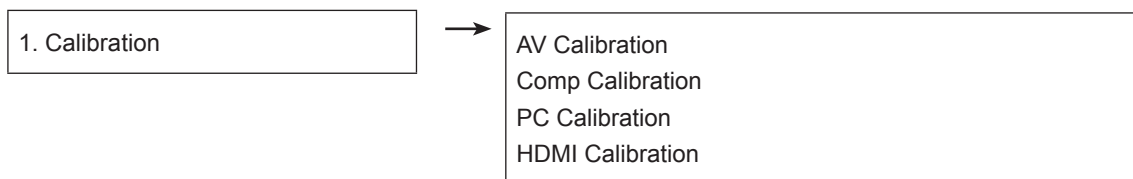
#### 4. Troubleshooting

| No | Item            | Adjustment Range                           | Latin America        |
|----|-----------------|--|----------------------|
| 31 | Control         | -  |                      |
|    | WM Calib        | ON/OFF                                     | OFF                  |
|    | EDID Protect    | ON/OFF                                     | ON                   |
|    | Edid Type       | L12_1366_768/L12_1440_900<br>L12_1680_1050 | L12_1366_768         |
|    | EDIE Write      | Failure/Success                            | L12_1366_768 Success |
|    | WB Data Reset   | ON <-> OFF                                 | OFF                  |
|    | EEPROM Reset    |  |                      |
|    | Logic Download  | ON <-> OFF                                 | OFF                  |
| 32 | PDP Filter      | 42" 3D                                     |                      |
| 33 | PDP Group       | P34A_R3d                                   |                      |
| 34 | Spread Spectrum | ON/OFF                                     | ON                   |
|    | Step1           | 0~255                                      | 30                   |
|    | Step2           | 0~255                                      | 9                    |
|    | Range1          | -  | 0                    |
|    | Range2          | -  | 44                   |
|    | FBE SSC         | -  | 5                    |

|                      |             |                           |        |
|----------------------|-------------|---------------------------|--------|
| <b>Advanced Menu</b> | Adjust      |                           |        |
|                      | Uart Select | OFF/Main/Idtv/LVDS ON     | OFF    |
|                      | Debug Mode  | Normal/NONE/MSTAR/RunTime | Normal |
|                      | HP Detect   | Low/High                  | High   |

## 4-4. White Balance - Calibration

### 4-4-1 White Balance -Calibration

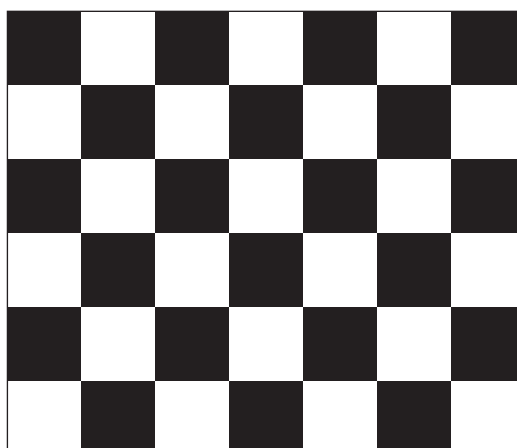


### 4-4-2 Service Adjustment - You must perform Calibration in the Lattice Pattern before adjusting the White Balance.

#### ■ Color Calibration

Adjust spec.

1. Source : HDMI
2. Setting Mode : 1280\*720@60Hz
3. Pattern : Pattern #24 (Chess Pattern)



( Chess Pattern )

4. Use Equipment : CA210 & Master MSPG925 Generator

- Use other equipment only after comparing the result with that of the Master equipment.

| Input mode               | Calibration                                       | Pattern |
|--------------------------|---|---------|
| CVBS IN (Model_#1)       | Perform in NTSC B&W Pattern #24                   | Lattice |
| Component IN (Model_#6)  | Perform in 720p B&W Pattern #24                   | Lattice |
| PC Analog IN (Model_#21) | Perform in VESA XGA (1024x768)<br>B&W Pattern #24 | Lattice |
| HDMI IN                  | Perform in 720p B&W Pattern #24                   | Lattice |

<Table 1>

### ■ Method of Color Calibration (AV)

- 1) Apply the NTSC Lattice (N0. 3) pattern signal to the AV IN 1 port
- 2) Press the Source key to switch to "AV1" mode
- 3) Enter Service mode
- 4) Select the "Calibration" menu
- 5) Select the "AV Calibration" menu.
- 6) In "AV Calibration Off" status, press the "▶" key to perform Calibration.
- 7) When Calibration is complete, it returns to the high-level menu.
- 8) You can see the change of the "AV Calibration" status from Failure to Success.

### ■ Method of Color Calibration (Component)

- 1) Apply the 720p Lattice (N0. 6) pattern signal to the Component IN 1 port
- 2) Press the Source key to switch to "Component1" mode
- 3) Enter Service mode
- 4) Select the "Calibration" menu
- 5) Select the "Comp Calibration" menu.
- 6) In "Comp Calibration Off" status, press the "▶" key to perform Calibration.
- 7) When Calibration is complete, it returns to the high-level menu.
- 8) You can see the change of the "Comp Calibration" status from Failure to Success.

### ■ Method of Color Calibration (PC)

- 1) Apply the VESA XGA Lattice (N0. 21) pattern signal to the PC IN port
- 2) Press the Source key to switch to "PC" mode
- 3) Enter Service mode
- 4) Select the "Calibration" menu
- 5) Select the "PC Calibration" menu.
- 6) In "PC Calibration Off" status, press the "▶" key to perform Calibration.
- 7) When Calibration is complete, it returns to the high-level menu.
- 8) You can see the change of the "PC Calibration" status from Failure to Success.

### ■ Method of Color Calibration (HDMI)

- 1) Apply the 720p Lattice (N0. 6) pattern signal to the HDMI1/DVI IN port
- 2) Press the Source key to switch to "HDMI1" mode
- 3) Enter Service mode
- 4) Select the "Calibration" menu
- 5) Select the "HDMI Calibration" menu.
- 6) In "HDMI Calibration Off" status, press the "▶" key to perform Calibration.
- 7) When Calibration is complete, it returns to the high-level menu.
- 8) You can see the change of the "HDMI Calibration" status from Failure to Success.

### 4-4-3 White Balance - Adjustment

|        | (low light)                                    | (hight light)                              |
|--------|--|--|
| 3. W/B | Sub Bright<br>R offset<br>G offset<br>B offset | Sub Contrast<br>R gain<br>G gain<br>B gain |

(W/B adjustment Condition refer next page)

### 4-5. White Ratio (Balance) Adjustment

1. You can adjust the white ratio in factory mode (1:Calibration, 3:White-Balance).
2. Since the adjustment value and the data value vary depending on the input source, you have to adjust these in CVBS, Component 1 and HDMI 1 modes.
3. The optimal values for each mode are configured by default. (Refer to Table 1, 2)  
It varies with Panel's size and Specification.

- Equipment : CS-210
- Pattern: MIK K-7256 #92 "Flat W/B Pattern" as standard
- Use other equipment only after comparing the result with that of the Master equipment.
- Set Aging time : 60min ↑

- Calibration and Manual setting for WB adjustment.



- |   |   |
|---|---|
| HDMI : Time #6 720P, Pattern #24 Chessboard Calibration   | → Manual adjustment #92 pattern (720p)    |
| COMP: Time #6 720P, Pattern #24 Chessboard Calibration    | → Manual adjustment at #92 pattern (720p) |
| CVBS: Time #2 PAL, Pattern #24 Chessboard Calibration     | → Manual adjustment at #92 pattern (NTSC) |
| PC: Time #21 1024*768, Pattern #24 Chessboard Calibration | → Manual adjustment at #92 pattern (NTSC) |

- If finishing in HDMI mode, adjustment coordinate is almost same in AV/COMP mode.
- White Balance Manual Adjustment

|                | CA-210 |     |     |   |              |
|----------------|--------|-----|-----|---|--------------|
|                |        | x   | y   | Y(L)  | T(K) + MPCD  |
| CVBS<br>(NTSC) | H/L    | 272 | 287 | -<br>(Sub_CT:145)                               | 11,000 (+10) |
|                | L/L    | 272 | 287 | 12.2cd/m <sup>2</sup><br>(3.52 Ft - Sub_BR:128) | 11,000 (+10) |
| COMP<br>(720P) | H/L    | 272 | 287 | -<br>(Sub_CT:145)                               | 11,000 (+10) |
|                | L/L    | 272 | 287 | 12.1cd/m <sup>2</sup><br>(3.5 Ft - Sub_BR:128)  | 11,000 (+10) |
| HDMI<br>(720P) | H/L    | 272 | 287 | -<br>(Sub_CT:145)                               | 11,000 (+10) |
|                | L/L    | 272 | 287 | 12.0cd/m <sup>2</sup><br>(3.5 Ft - Sub_BR:128)  | 11,000 (+10) |

#### - Adjustment Specification

White Balance : High light ( $\pm 3$ ), Low light ( $\pm 5$ )

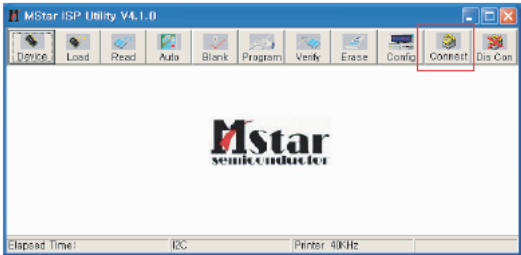
Luminance : High light ( $\pm 0.1$  Ft/L), Low light ( $\pm 0.1$  Ft/L)

## 4-6. HOW TO UPGRADE

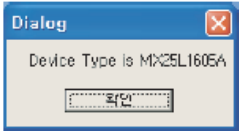
### 4-6-1 Software Upgrade (MSTAR ISP Tool)

#### ■ MSTAR ISP TOOL

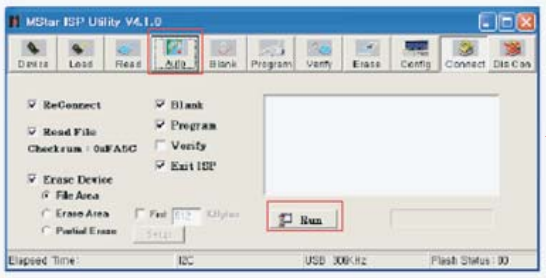
- Turn on the TV Set  
- Click "Connect" icon on the MSTAR tool.




- Then, Pop up the window.



- Click "Auto", and "Run"



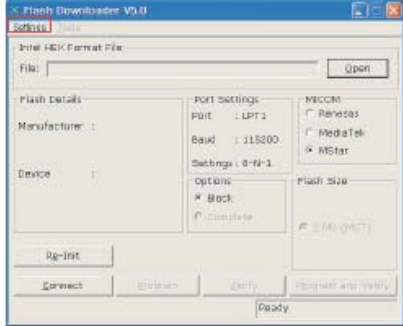
- Click "Read", and Choose a new S/W. File name : T-CRL26MAM-xxxx.x






## 4-6-2 Software Upgrade (Flash Downloader)

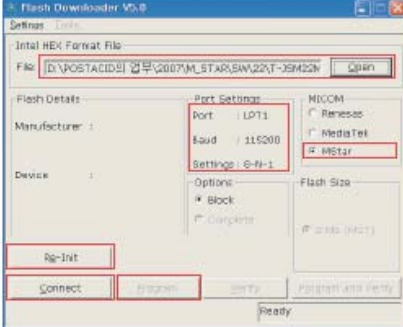
### Flash Downloader



1. Click "Settings"

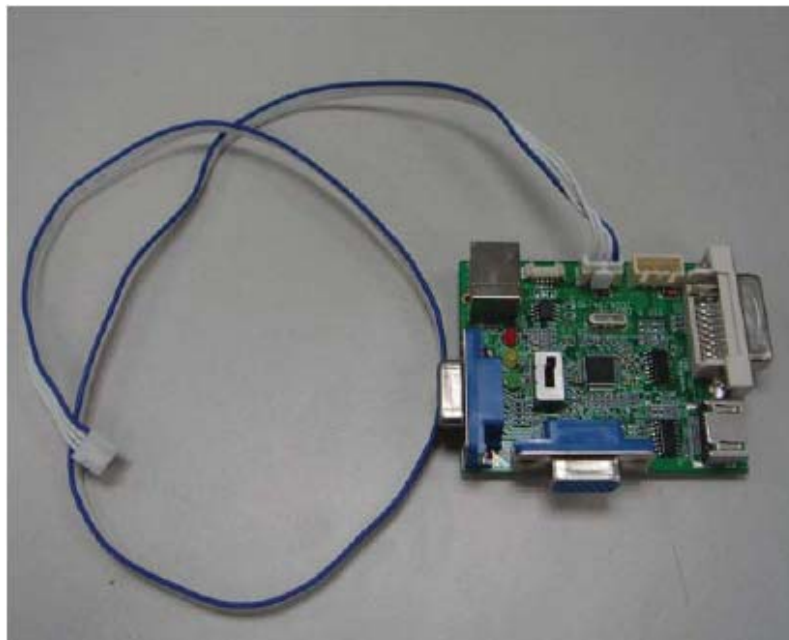


2. Select LPT1



3. Click "open" and select a file that you want to download  
 4. Select "Mstar" in MICOM sector  
 5. Click "Re-Init"  
 6. Click "Connect"  
 7. Click "Program"

### The picture of JIG



## 4-6-3 After S/W Upgrade

### ■ How to Access Service Mode

### ■ Entering Factory Mode

<Power OFF> → <INFO> → <MENU> → <MUTE> → <Power ON>

### ■ Factory Data

1. Option Table(Service)
2. WB Adjust
3. Information
4. Advanced Menu

If you want to enter here, press "0000".

### ■ How to Initialize.

Click "1. Option Table(Service)" → "Factory Reset" in Factory Menu.

You can make every setting in Factory Initial Status.