



# LED TV

Chassis : UAD50

Model : UE32J5100AW  
UE40J5100AW  
UE48J5100AW  
UE50J5100AW  
UE55J5100AW

## ***SERVICE*** Manual

### LED TV



UE\*\*J5100AW

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1. Precautions
2. Product specifications
3. Disassembly and Reassembly
4. Troubleshooting
5. Wiring Diagram

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## 3. Disassembly and Reassembly

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


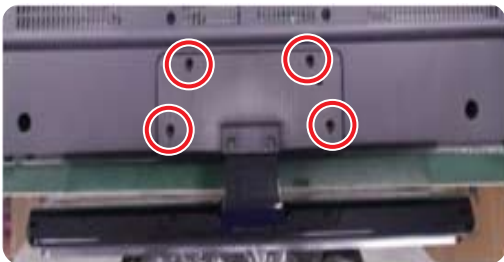

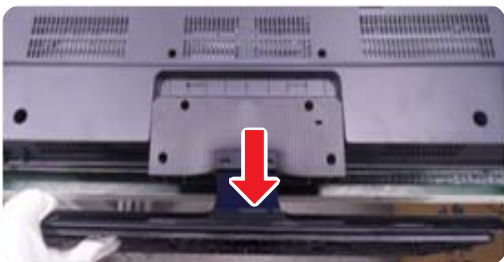


This LED TV contains electrostatically sensitive devices. Use caution when handling these components.

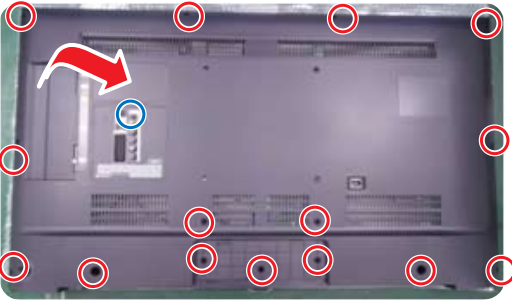



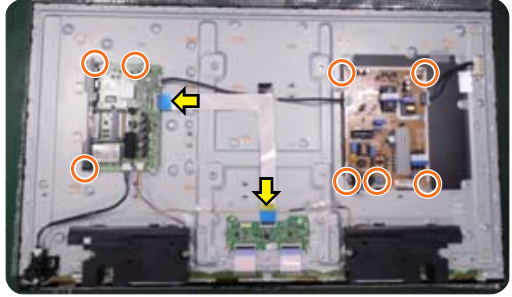

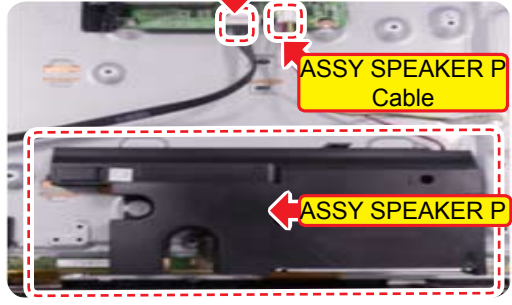
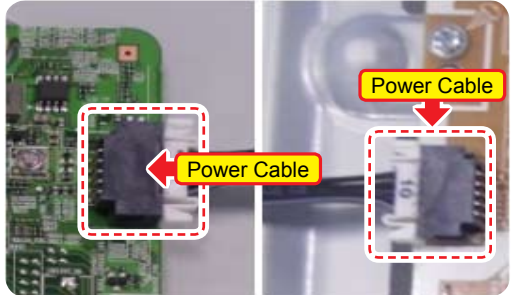
### 3-1. Disassembly and Reassembly

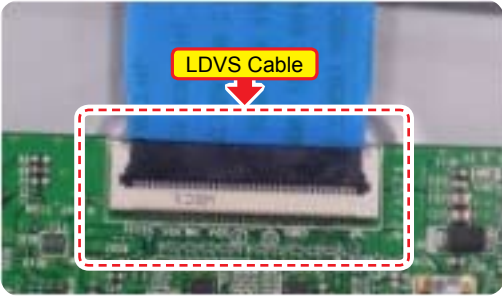
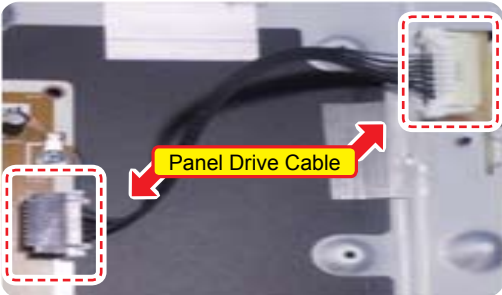
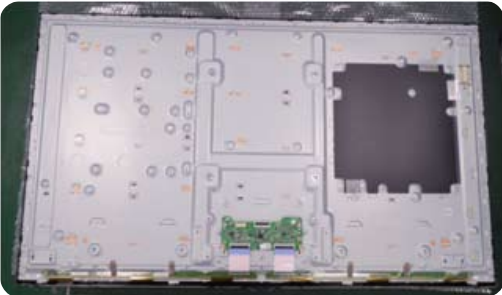


1. Disconnect the LED TV from the power source before disassembly.
2. Follow these directions carefully; never use metal instruments to pry apart the cabinet.
3. If there is no additional coment, it is same for all inches.

| Description                                | Picture Description  | Screws  |
|--|--|---|
| 1 Place TV face down on cushioned table.   |   |   |
| 2 Remove 4 screws from ASSY GUIDE P-STAND. |  | <div>  <p>Torque :<br/>9~ 10Kgf.cm</p> </div> <p>6003-001782</p> |
| 3 Remove ASSY GUIDE P-STAND.               |  |   |

### 3. Disassembly and Reassemble

| Description  | Picture Description   | Screws   |
|--|---|--|
| <b>4</b> Remove the Screws of ASSY COVER P-REAR.           |   | <div data-bbox="1326 297 1426 349">Torque : 9~ 10Kgf.cm</div>  <div data-bbox="1267 490 1414 517">6003-001782</div> <div data-bbox="1326 528 1426 580">Torque : 7~ 8Kgf.cm</div>  <div data-bbox="1267 714 1414 741">6003-002755</div> |
| <b>5</b> Remove the ASSY COVER P-REAR.                     |   |  |
| <b>6</b> Remove the Screws.                                |   | <div data-bbox="1326 1001 1426 1052">Torque : 7~ 8Kgf.cm</div>  <div data-bbox="1267 1193 1414 1220">6001-003016</div>  |
| <b>7</b> Remove the ASSY SPEAKER P (L/R) and Power Cables. | <div data-bbox="719 1339 1233 1709">  </div> <div data-bbox="719 1727 1233 2020">  </div> |  |

| Description                                    | Picture Description   | Screws |
|--|---|--------|
| 8 Remove the LVDS Cable and Panel Drive Cable. |   |        |
|  |   |        |
| 9 Completed disassembly.                       |  |        |

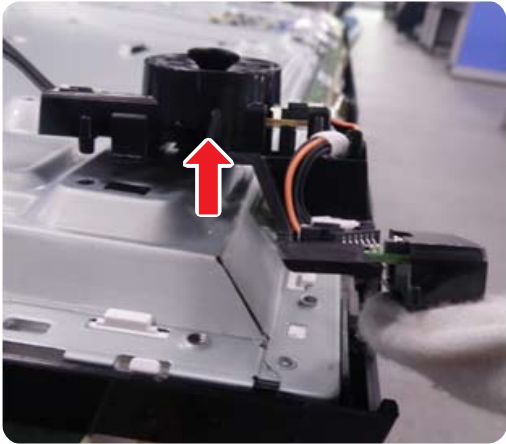


**NOTE**

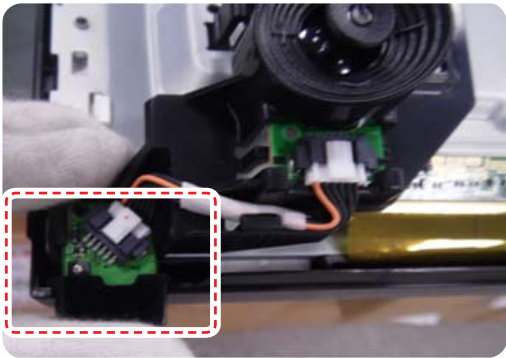
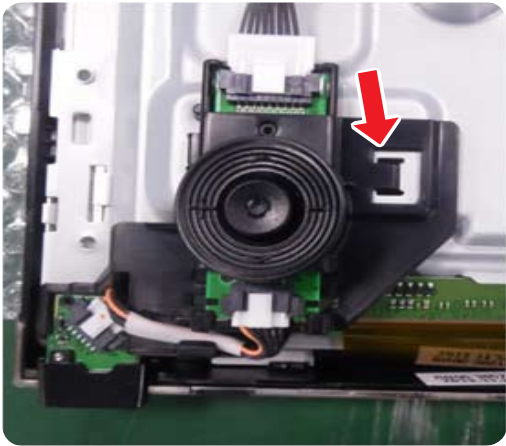
Reassembly procedures are in the reverse order of disassembly procedures.

3-2. Assy Board P-Jog Switch & Ir

■ How to disassembly


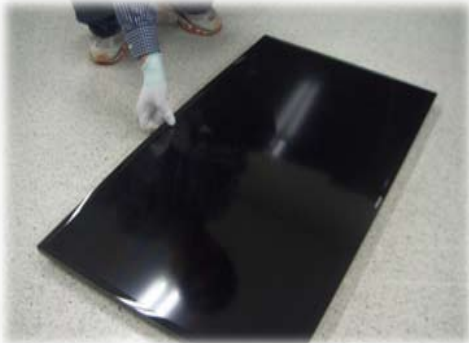

| Description                | Picture Description  | Refer |
|----------------------------|--|-------|
| 1 Pull out a jog function. |  |       |

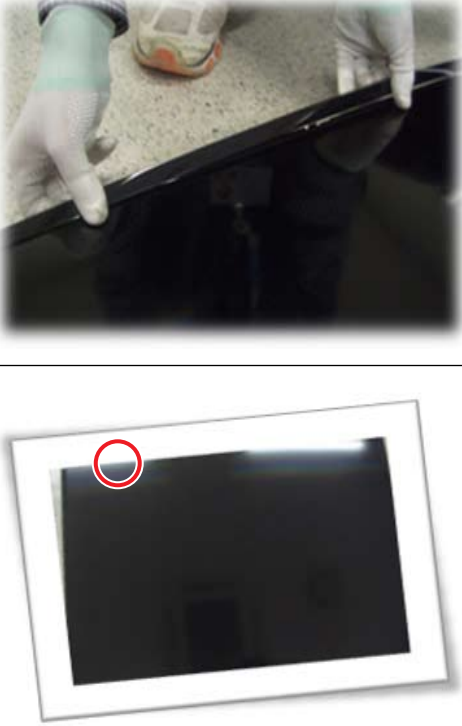
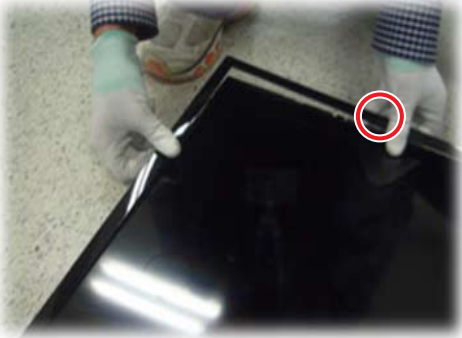

■ How to assembly

| Description              | Picture Description   | Refer |
|--------------------------|---|-------|
| 1 Insert a jog function. |   |       |
| 2 Put 2 screws.          |  |       |




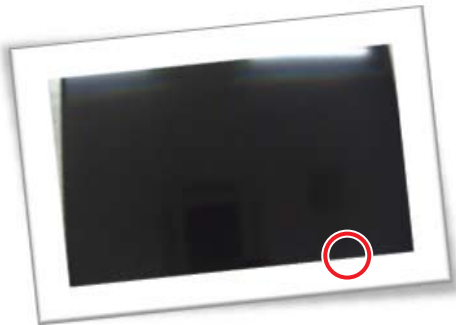
3-3. Disassembly(PTC)



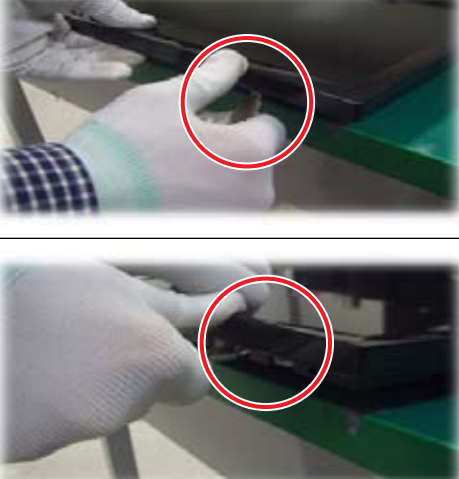
■ How to disassembly

| Description  | Picture Description  | Refer |
|--|--|-------|
| 1 Place TV face up on cushioned table.   |    |       |
| 2 Products at the top of the central TOP-CHASSIS is rotated by 45 degrees outward and pulls. |   |       |
|  |  |       |

| Description  | Picture Description  | Refer |
|--|--|-------|
| <b>3</b> Pull in the same way from the center of the top.  |   |       |
| <b>4</b> Pull the left part of the product as shown while holding the raised portion on figure 3.      |  |       |
| <b>5</b> Pull the bottom part of the product as figure 2 while holding the raised portion on figure 4. |  |       |

### 3. Disassembly and Reassemble

| Description  | Picture Description  | Refer |
|--|--|-------|
| <b>6</b> As shown in the picture, Lift the bottom of the TOP-CHASSIS.      |    |       |
|  |   |       |
| <b>7</b> Pull the products at the bottom of the right side of the chassis. |  |       |
|  |  |       |

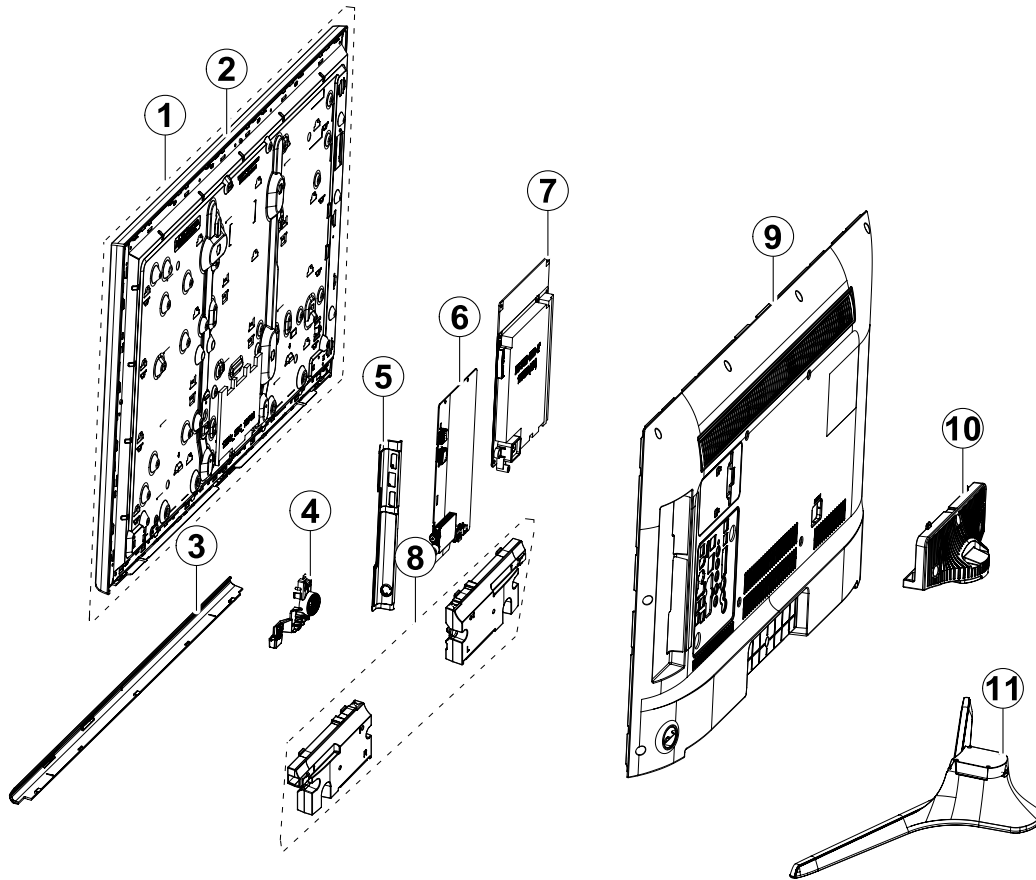
| Description  | Picture Description  | Refer |
|--|--|-------|
| <p><b>8</b> Lift the bottom of the chassis with one hand and holding the bottom of the product after you pull the right side of the product chassis.</p> |    |       |
| <p><b>9</b> Disassembly is complete.</p>   |  |       |
| <p><b>! CAUTION</b><br/>To use JIG : Does not lift the chassis by hand, JIG using the lift.</p>  |  |       |

**NOTE**

Reassembly procedures are in the reverse order of disassembly procedures.

## ANNEX. Exploded View & Part List [UE40J5100AWXXH MS02]

### 1-1. Exploded View



### 1-1-1. Parts List

| No. | Code No.    | Description & Specification               | Q'ty | SA/SNA | Remark |
|-----|-------------|---|------|--------|--------|
| 1   | BN95-01858A | PRODUCT LCD-SHARP; LQ400D3HD1K,CY-GH040BG | 1    | SC     |        |
| 2   | BN96-33980A | ASSY CHASSIS TOP P; Y14 F-LED 40,PC+ABS+G | 1    | SA     |        |
| 3   | BN95-01392A | ASSY DECORATION SMT; 5000,40,LIGHT TITAN  | 1    | SC     |        |
| 4   | BN96-30902B | ASSY BOARD P-FUNCTION; UH5000,Function As | 1    | SA     |        |
| 5   | BN61-09059A | HOLDER-SIDE AV; UF6100,HIPS,BK0020,HB,EO/ | 1    | SNA    |        |
| 6   | BN94-08118X | ASSY PCB MAIN; UH5C                       | 1    | SA     |        |
| 7   | BN44-00698A | DC VSS-LED TV PD BD; L42SF_ESM,L42SF_ESM, | 1    | SA     |        |
| 8   | BN96-30335A | ASSY SPEAKER P; 6ohm,10W,Enclosure_H5k    | 1    | SA     |        |
| 9   | BN96-30580A | ASSY COVER P-REAR; H5000 40,EO,PC+ABS,V1, | 1    | SA     |        |
| 10  | BN61-11465A | GUIDE-STAND; J5100/5500 40",PC+GF20%,V2   | 1    | SA     |        |
| 11  | BN96-35224F | ASSY STAND P-BASE; J5500 40,PC+ABS+GF20%  | 1    | SA     |        |

## 2-1. Electrical Parts List

Service Bom (SA: SERVICE AVAILABLE, SNA: SERVICE NOT AVAILABLE)

| Level | Location No. | Code No.    | Description & Specification              | Q'ty  | SA/SNA | Remark |
|-------|--------------|-------------|--|-------|--------|--------|
|       |              |             | UE40J5100AWXXH (MS02)                    |       |        |        |
| 1     | R001A        | BN90-05451A | ASSY COVER REAR;UH4000                   | 1     | SNA    |        |
| 0.2   | SCREW        | 6001-002755 | SCREW-MACHINE;BH,+,M3,L6,ZPC(BLK),SWRCH1 | 15    | SA     |        |
| 0.2   | SCREW        | 6003-001782 | SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR | 1     | SA     |        |
| 0.2   | R001A        | BN96-30580A | ASSY COVER P-REAR;H5000 40,EO,PC+ABS,V1, | 1     | SA     |        |
| ..3   |              | BN60-00162X | SPACER-FOAM;FOAM,30000mm,DARK GRAY,1T,15 | 0     | SNA    |        |
| ..3   |              | BN60-00162Y | SPACER-FOAM;FOAM,50000mm,DARK GRAY,0.35T | 1     | SNA    |        |
| ..3   | R001         | BN63-11619B | COVER-REAR;H5000-40,PC+ABS,Europe,V1,BLK | 1     | SNA    |        |
| ...4  |              | 0103-010376 | RESIN PC ABS;FR3012 / 901510,BLACK,BK000 | 1400  | SNA    |        |
| ..3   |              | BN68-05650C | LABEL-TERMINAL SIDE;UH5K,PET,T0.125,W14. | 1     | SNA    |        |
| 1     |              | BN90-05474C | ASSY W/I;UH5000                          | 1     | SNA    |        |
| 0.2   |              | BN81-08159Z | PART SET-ELEC W/I;UF**,UH**,UG**,ELEC    | 1     | SNA    |        |
| 0.2   |              | BN81-08368D | PART SET-MECH W/I;UH5C,U40HC*            | 1     | SNA    |        |
| 1     | S001A        | BN90-06669F | ASSY STAND;UJ5000,40"                    | 1     | SNA    |        |
| 0.2   | SG03         | BN61-11465A | GUIDE-STAND;J5100/5500 40",PC+GF20%,V2   | 1     | SA     |        |
| ..3   |              | 0103-007285 | RESIN PC;HF3200H,K21294,BK0007,V2        | 1.5mm | 280    |        |
| 0.2   | SB04A        | BN96-35224F | ASSY STAND P-BASE;J5500 40,PC+ABS+GF20%  | 1     | SA     |        |
| ..3   | SCREW        | 6003-001001 | SCREW-TAPTYPE;FH,+,B,M3,L8,ZPC(BLK),SW   | 2     | SA     |        |
| ..3   |              | 6902-002486 | BAG PE;HDPE/PE FOAM,T0.015/T0.5,W100,L35 | 2     | SNA    |        |
| ..3   |              | 6902-002487 | BAG PE;HDPE/PE FOAM,T0.015/T0.5,W250,L30 | 1     | SNA    |        |
| ..3   | HOLDER-BOLT  | BN61-09494D | HOLDER-BOLT;BH+,SWRCH18A,L14,M4,B TYPE   | 2     | SA     |        |
| ..3   |              | BN61-11430A | BRACKET-STAND BAR;Y15 F-LED J5100/5500 4 | 1     | SNA    |        |
| ..3   |              | BN63-13258A | COVER-STAND BASE;Y15 F-LED J5100/5500 40 | 1     | SNA    |        |
| ...4  |              | 0103-009946 | RESIN PC ABS;HM-1200,BLACK,BK0007,V1     | 300   | SNA    |        |
| ..3   |              | BN63-13262B | COVER-DECORATION STAND;J5100/5300 40",AB | 1     | SNA    |        |
| ..3   |              | BN67-00398P | RUBBER-FOOT;RUBBER,SILICONE,15.5*8,2.5,G | 5     | SNA    |        |
| 1     | M0017        | BN91-13226X | ASSY CHASSIS;UH5C                        | 1     | SNA    |        |
| 0.2   | M0014        | BN94-08118X | ASSY PCB MAIN;UH5C                       | 1     | SA     |        |
| ..3   |              | 0202-001608 | SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0. | 0     | SNA    |        |
| ..3   |              | BN61-09059A | HOLDER-SIDE AV;UF6100,HIPS,BK0020,HB,EO/ | 1     | SNA    |        |
| ...4  |              | 0103-004631 | RESIN HIPS;HF-1690H,K21294,BK0007,1.5mm  | 22    | SNA    |        |
| ..3   | FB01A        | BN97-07120D | ASSY DRM-KEY;NT14L_DRM-KEY(CI+)          | 1     | SNA    |        |
| ...4  |              | BN46-00328B | KEY CODE-CERTIFI;CI+,TV,NT14, EU         | 1     | SNA    |        |
| ..3   |              | BN97-07960B | ASSY SMD-MAIN;UH5C                       | 1     | SNA    |        |
| ...4  |              | 0202-001830 | SOLDER-CREAM;LFM-48W TM-HP,D20~38um,96.5 | 6     | SNA    |        |
| ...4  | DS01A        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1     | SA     |        |
| ...4  | DS01A        | 0401-001116 | DIODE-SWITCHING;BAV99DW,75V,215mA,SOT-36 | 2     | SA     |        |
| ...4  |              | 0403-001552 | DIODE-ZENER;DDZ16,15.69/16.51V,500mW,SOD | 1     | SA     |        |
| ...4  |              | 0403-001783 | DIODE-ZENER;BZB84-C6V2,5.8/6.6V,300mW,SO | 5     | SNA    |        |
| ...4  |              | 0403-001784 | DIODE-ZENER;NZH7V5C,7.29/7.67V,500mW,SOD | 1     | SNA    |        |
| ...4  |              | 0403-001785 | DIODE-ZENER;NZH5V1B,4.94/5.2V,500mW,SOD- | 1     | SA     |        |
| ...4  |              | 0403-001797 | DIODE-ZENER;NZH3V0B,2.85/3.15V,500mW,SOD | 1     | SNA    |        |
| ...4  |              | 0404-001404 | DIODE-SCHOTTKY;BAT721C,40V,200mA,SOT-23, | 2     | SA     |        |

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ...4  |              | 0406-001200 | DIODE-TVS;RCLAMP0504F,6/-V,150W,SC-70    | 1    | SA     |        |
| ...4  |              | 0406-001628 | DIODE-TVS;AOZ8804ADI,6/-V,150W,SLP2510   | 4    | SA     |        |
| ...4  |              | 0501-000279 | TR-SMALL SIGNAL;KSA1182-Y,PNP,150mW,SOT- | 1    | SA     |        |
| ...4  |              | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 6    | SC     |        |
| ...4  |              | 0505-002560 | FET-SILICON;AO6415,P,-20V,-3.3A,0.15ohm, | 3    | SA     |        |
| ...4  |              | 0505-003397 | FET-SILICON;2N7002K,N,60V,380mA,1.19ohm, | 6    | SA     |        |
| ...4  |              | 0801-002780 | IC-CMOS LOGIC;74LVC1G17,SCHMITT-TRIGGER  | 2    | SA     |        |
| ...4  |              | 0801-003330 | IC-CMOS LOGIC;Octal buffer,DQFN,20P,4.5x | 1    | SA     |        |
| ...4  |              | 1001-001860 | IC-ANALOG SWITCH;NX5L2750CGU,QFN,10P,1.4 | 1    | SNA    |        |
| ...4  |              | 1103-001531 | IC-EEPROM;S-24C256CI-J8T1U4,256Kbit,32Kx | 1    | SA     |        |
| ...4  |              | 1105-002527 | IC-DDR3 SDRAM;K4B2G1646Q-BCK0,DDR3,2Gbit | 1    | SA     |        |
| ...4  |              | 1201-003183 | IC-AUDIO AMP;DRV612,HTSSOP,14P,5x4.4mm,D | 1    | SA     |        |
| ...4  |              | 1201-003671 | IC-AUDIO AMP;NTP7414,MLF,48P,7x7mm,DUAL, | 1    | SA     |        |
| ...4  |              | 1203-004363 | IC-VOL. DETECTOR;SOT-23,3Z30,2.9x1.6mm,P | 1    | SA     |        |
| ...4  |              | 1203-006017 | IC-VOL. DETECTOR;RT9824GJ8,TSOT23,8P,2.9 | 1    | SA     |        |
| ...4  |              | 1203-006130 | IC-POS.FIXED REG.;S-1172B25-U5T1G,SOT-8  | 1    | SA     |        |
| ...4  |              | 1203-007694 | IC-DC/DC CONVERTER;SN1106041DDAR,DDA,8Z3 | 2    | SA     |        |
| ...4  |              | 1203-007984 | IC-DC/DC CONVERTER;AOZ3015PI,SO-8,8P,6.2 | 1    | SA     |        |
| ...4  |              | 1203-008103 | IC-POS.FIXED REG.;S-13A1D15-E800,HSOP,8  | 1    | SNA    |        |
| ...4  |              | 1203-008104 | IC-POS.FIXED REG.;S-13A1D18-E800,HSOP,8  | 1    | SNA    |        |
| ...4  |              | 1203-008105 | IC-POS.FIXED REG.;S-13A1D33-E800,HSOP,8  | 1    | SNA    |        |
| ...4  |              | 1204-003492 | IC-DECODER;SENK14,LFBGA,624P,21x21mm,PLA | 1    | SA     |        |
| ...4  |              | 1205-004447 | IC-SWITCH;TPS2051CDBVR,SOT23-5,5P,3x1.65 | 2    | SA     |        |
| ...4  |              | 1405-001271 | VARISTOR;35V,20Vdc,5A,1.0x0.5x0.6mm,TP,1 | 26   | SA     |        |
| ...4  |              | 2007-000137 | R-CHIP;2Kohm,5%,1/16W,TP,1005            | 5    | SNA    |        |
| ...4  |              | 2007-000138 | R-CHIP;100ohm,5%,1/16W,TP,1005           | 21   | SA     |        |
| ...4  |              | 2007-000142 | R-CHIP;2.7Kohm,5%,1/16W,TP,1005          | 3    | SA     |        |
| ...4  |              | 2007-000143 | R-CHIP;4.7Kohm,5%,1/16W,TP,1005          | 41   | SNA    |        |
| ...4  |              | 2007-000148 | R-CHIP;10Kohm,5%,1/16W,TP,1005           | 34   | SA     |        |
| ...4  |              | 2007-000153 | R-CHIP;22Kohm,5%,1/16W,TP,1005           | 9    | SNA    |        |
| ...4  |              | 2007-000157 | R-CHIP;47Kohm,5%,1/16W,TP,1005           | 6    | SNA    |        |
| ...4  |              | 2007-000162 | R-CHIP;100Kohm,5%,1/16W,TP,1005          | 6    | SNA    |        |
| ...4  |              | 2007-000168 | R-CHIP;470Kohm,5%,1/16W,TP,1005          | 3    | SA     |        |
| ...4  |              | 2007-000171 | R-CHIP;0ohm,5%,1/16W,TP,1005             | 5    | SNA    |        |
| ...4  |              | 2007-000172 | R-CHIP;10ohm,5%,1/16W,TP,1005            | 2    | SNA    |        |
| ...4  |              | 2007-000173 | R-CHIP;22ohm,5%,1/16W,TP,1005            | 10   | SNA    |        |
| ...4  |              | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005            | 2    | SNA    |        |
| ...4  |              | 2007-000256 | R-CHIP;1.6Kohm,1%,1/10W,TP,1608          | 1    | SA     |        |
| ...4  |              | 2007-000475 | R-CHIP;1Mohm,1%,1/10W,TP,1608            | 1    | SA     |        |
| ...4  |              | 2007-000691 | R-CHIP;3.3Mohm,5%,1/10W,TP,1608          | 1    | SA     |        |
| ...4  |              | 2007-000695 | R-CHIP;3.3ohm,5%,1/10W,TP,1608           | 4    | SNA    |        |
| ...4  |              | 2007-000775 | R-CHIP;33Kohm,5%,1/16W,TP,1005           | 2    | SNA    |        |
| ...4  |              | 2007-000931 | R-CHIP;470ohm,5%,1/8W,TP,2012            | 1    | SC     |        |
| ...4  |              | 2007-000932 | R-CHIP;470ohm,5%,1/16W,TP,1005           | 7    | SNA    |        |
| ...4  |              | 2007-001168 | R-CHIP;75ohm,5%,1/4W,TP,3216             | 1    | SA     |        |
| ...4  |              | 2007-001292 | R-CHIP;33ohm,5%,1/16W,TP,1005            | 12   | SNA    |        |
| ...4  |              | 2007-001298 | R-CHIP;51ohm,5%,1/16W,TP,1005            | 2    | SNA    |        |

## ANNEX. Exploded View &amp; Part List

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ...4  |              | 2007-001313 | R-CHIP;330ohm,5%,1/16W,TP,1005           | 2    | SNA    |        |
| ...4  |              | 2007-001325 | R-CHIP;3.3Kohm,5%,1/16W,TP,1005          | 1    | SNA    |        |
| ...4  |              | 2007-003025 | R-CHIP;6.8ohm,5%,1/16W,TP,1005           | 2    | SA     |        |
| ...4  |              | 2007-007095 | R-CHIP;390ohm,5%,1/16W,TP,1005           | 1    | SA     |        |
| ...4  |              | 2007-007107 | R-CHIP;100Kohm,1%,1/16W,TP,1005          | 1    | SNA    |        |
| ...4  |              | 2007-007108 | R-CHIP;43.2Kohm,1%,1/16W,TP,1005         | 1    | SA     |        |
| ...4  |              | 2007-007139 | R-CHIP;47Kohm,1%,1/16W,TP,1005           | 1    | SA     |        |
| ...4  |              | 2007-007142 | R-CHIP;10Kohm,1%,1/16W,TP,1005           | 2    | SNA    |        |
| ...4  |              | 2007-007156 | R-CHIP;1ohm,5%,1/16W,TP,1005             | 7    | SNA    |        |
| ...4  |              | 2007-007306 | R-CHIP;100ohm,1%,1/16W,TP,1005           | 4    | SNA    |        |
| ...4  |              | 2007-007309 | R-CHIP;12Kohm,1%,1/16W,TP,1005,0.35T     | 1    | SA     |        |
| ...4  |              | 2007-007311 | R-CHIP;22Kohm,1%,1/16W,TP,1005           | 1    | SA     |        |
| ...4  |              | 2007-007317 | R-CHIP;2.2Kohm,1%,1/16W,TP,1005          | 2    | SA     |        |
| ...4  |              | 2007-007318 | R-CHIP;1Kohm,1%,1/16W,TP,1005            | 17   | SNA    |        |
| ...4  |              | 2007-007517 | R-CHIP;240ohm,1%,1/16W,TP,1005           | 1    | SNA    |        |
| ...4  |              | 2007-007538 | R-CHIP;56Kohm,1%,1/16W,TP,1005           | 1    | SA     |        |
| ...4  |              | 2007-008015 | R-CHIP;75ohm,1%,1/16W,TP,1005            | 10   | SA     |        |
| ...4  |              | 2007-008275 | R-CHIP;30Kohm,1%,1/16W,TP,1005           | 1    | SNA    |        |
| ...4  |              | 2007-008332 | R-CHIP;11.5Kohm,1%,1/16W,TP,1005         | 2    | SA     |        |
| ...4  |              | 2007-009138 | R-CHIP;33Kohm,1%,1/16W,TP,1005           | 2    | SNA    |        |
| ...4  |              | 2011-001261 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,2. | 2    | SA     |        |
| ...4  |              | 2011-001262 | R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,2. | 2    | SA     |        |
| ...4  |              | 2011-001344 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,2 | 6    | SA     |        |
| ...4  |              | 2011-001345 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,2 | 4    | SA     |        |
| ...4  |              | 2011-001396 | R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP, | 5    | SA     |        |
| ...4  |              | 2011-001449 | R-NETWORK;22ohm,5%,1/16W,L,4P,TP,1010    | 1    | SA     |        |
| ...4  |              | 2011-001527 | R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,4P,TP, | 1    | SNA    |        |
| ...4  | AD480        | 2203-000233 | C-CER,CHIP;0.1nF,5%,50V,C0G,TP,1005      | 9    | SA     |        |
| ...4  | AD480        | 2203-000278 | C-CER,CHIP;0.01nF,0.5pF,50V,C0G,TP,1005  | 1    | SA     |        |
| ...4  | AD480        | 2203-000359 | C-CER,CHIP;0.15nF,5%,50V,C0G,TP,1005,0.5 | 4    | SA     |        |
| ...4  | AD480        | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,TP,1005       | 7    | SA     |        |
| ...4  | AD480        | 2203-000489 | C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1005     | 1    | SA     |        |
| ...4  | AD480        | 2203-000585 | C-CER,CHIP;0.22nF,10%,50V,X7R,TP,1005    | 1    | SA     |        |
| ...4  | AD480        | 2203-000627 | C-CER,CHIP;0.022nF,5%,50V,C0G,TP,1005    | 2    | SNA    |        |
| ...4  | AD480        | 2203-000714 | C-CER,CHIP;3.3nF,10%,50V,X7R,TP,1005     | 10   | SA     |        |
| ...4  | AD480        | 2203-000812 | C-CER,CHIP;0.033nF,5%,50V,C0G,TP,1005    | 1    | SA     |        |
| ...4  | AD480        | 2203-000940 | C-CER,CHIP;0.47nF,10%,50V,X7R,TP,1005    | 6    | SA     |        |
| ...4  | AD480        | 2203-000995 | C-CER,CHIP;0.047nF,5%,50V,C0G,TP,1005    | 3    | SA     |        |
| ...4  | AD480        | 2203-001412 | C-CER,CHIP;0.03nF,5%,50V,NP0,TP,1005     | 6    | SNA    |        |
| ...4  | AD480        | 2203-002285 | C-CER,CHIP;10nF,10%,50V,X7R,TP,1005      | 12   | SNA    |        |
| ...4  | AD480        | 2203-002443 | C-CER,CHIP;0.33nF,10%,50V,X7R,TP,1005    | 8    | SA     |        |
| ...4  | AD480        | 2203-005054 | C-CER,CHIP;0.0047nF,0.25pF,50V,NP0,TP,10 | 2    | SA     |        |
| ...4  | AD480        | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,TP,1608     | 13   | SNA    |        |
| ...4  | AD480        | 2203-005659 | C-CER,CHIP;0.18nF,5%,50V,NP0,TP,1005     | 1    | SNA    |        |
| ...4  | AD480        | 2203-006048 | C-CER,CHIP;100nF,10%,10V,X7R,TP,1005     | 87   | SA     |        |
| ...4  | AD480        | 2203-006126 | C-CER,CHIP;47nF,10%,16V,X7R,TP,1005      | 12   | SNA    |        |
| ...4  | AD480        | 2203-006324 | C-CER,CHIP;2200nF,10%,10V,X5R,TP,1608    | 5    | SA     |        |

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ...4  | AD480        | 2203-006348 | C-CER,CHIP;1000nF,10%,25V,X5R,TP,1608,0. | 4    | SA     |        |
| ...4  | AD480        | 2203-006361 | C-CER,CHIP;10000nF,10%,10V,X5R,TP,2012   | 4    | SC     |        |
| ...4  | AD480        | 2203-006474 | C-CER,CHIP;22000nF,20%,6.3V,X5R,TP,2012  | 14   | SA     |        |
| ...4  | AD480        | 2203-006562 | C-CER,CHIP;1000nF,10%,10V,X5R,TP,1005    | 17   | SNA    |        |
| ...4  | AD480        | 2203-006636 | C-CER,CHIP;220nF,10%,25V,X7R,TP,1608     | 2    | SA     |        |
| ...4  | AD480        | 2203-006890 | C-CER,CHIP;10000nF,20%,6.3V,X5R,TP,1608  | 34   | SA     |        |
| ...4  | AD480        | 2203-007176 | C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012,1 | 6    | SNA    |        |
| ...4  | AD480        | 2203-007240 | C-CER,CHIP;22000nF,20%,6.3V,X5R,TP,1608( | 2    | SA     |        |
| ...4  | AD480        | 2203-007269 | C-CER,CHIP;22000nF,20%,10V,X5R,TP,2012(2 | 4    | SA     |        |
| ...4  | AD480        | 2203-007270 | C-CER,CHIP;10000nF,10%,10V,X5R,TP,1608,0 | 5    | SNA    |        |
| ...4  | AD480        | 2203-007306 | C-CER,CHIP;10000nF,10%,25V,X5R,TP,2012,1 | 1    | SNA    |        |
| ...4  | AD480        | 2203-007544 | C-CER,CHIP;100nF,10%,50V,X7R,TP,1005,0.5 | 2    | SA     |        |
| ...4  |              | 2503-001051 | C-NETWORK;100nFx4,20%,16V,2012           | 1    | SA     |        |
| ...4  |              | 2703-000158 | INDUCTOR-SMD;1uH,10%,2012,.40hm,50mA,45, | 3    | SA     |        |
| ...4  |              | 2703-000213 | INDUCTOR-SMD;470nH,10%,1608,1.35Ohm,35mA | 1    | SA     |        |
| ...4  |              | 2703-001209 | INDUCTOR-SMD;1.2uH,10%,1608,.80hm,25mA,3 | 3    | SA     |        |
| ...4  |              | 2703-002332 | INDUCTOR-SMD;330nH,5%,1608,30hm,100mA,32 | 1    | SA     |        |
| ...4  |              | 2703-003149 | INDUCTOR-SMD;2.2uH,20%,5050,0.055Ohm,300 | 1    | SA     |        |
| ...4  |              | 2703-003790 | INDUCTOR-SMD;4.7uH,20%,8080,0.025ohm,450 | 1    | SA     |        |
| ...4  |              | 2703-003930 | INDUCTOR-SMD;4.7uH,20%,5050,0.072Ohm,245 | 4    | SA     |        |
| ...4  |              | 2703-004145 | INDUCTOR-SMD;2.2uH,20%,6.5 x 6.9mm,0.20o | 1    | SNA    |        |
| ...4  |              | 2801-003773 | CRYSTAL-SMD;12MHz,30ppm,28-AAN,20pF,50oh | 1    | SA     |        |
| ...4  |              | 3301-002039 | BEAD-SMD;26ohm,1608,TP                   | 45   | SA     |        |
| ...4  |              | 3701-001861 | CONNECTOR-HDMI;19P,FEMALE,AU,0.5mm,BLK,S | 2    | SA     |        |
| ...4  |              | 3707-001106 | CONNECTOR-OPTICAL;STRAIGHT W/L,SPDIF     | 1    | SA     |        |
| ...4  |              | 3708-003073 | CONNECTOR-FPC/FFC/PIC;51P,0.5mm,SMD,AU,N | 1    | SA     |        |
| ...4  |              | 3709-001712 | CONNECTOR-CARD SLOT;68P,1.27mm,ANGLE,AU, | 1    | SA     |        |
| ...4  | EH01         | 3711-008131 | HEADER-BOARD TO CABLE;BOX,4P,1R,2.5mm,AN | 1    | SA     |        |
| ...4  | EH01         | 3711-008521 | HEADER-BOARD TO CABLE;BOX,8P,1R,2mm,ANGL | 1    | SA     |        |
| ...4  | EH01         | 3711-008634 | HEADER-BOARD TO CABLE;BOX,10P,2R,2mm,ANG | 1    | SA     |        |
| ...4  |              | 3722-003457 | JACK-USB;4P/1C,NI,BLK,A                  | 1    | SA     |        |
| ...4  | JACK PIN     | 3722-003546 | JACK-PIN;5P+Screw hole,NI+SN,G,Y/BLU/RED | 1    | SA     |        |
| ...4  |              | 3722-003655 | JACK-SCART;21P,SN,BLK                    | 1    | SA     |        |
| ...4  |              | 3722-003667 | JACK-PHONE;1P/7C,SN/NI,BLK,STRAIGHT,3.6P | 1    | SA     |        |
| ...4  | ET01         | BN40-00282A | TUNER;DTOS40EIH276A,DTOS40EIH276A,DVB-TC | 1    | SA     |        |
| ...4  |              | BN41-02098B | PCB MAIN;1.2T,122*193.5,1                | 1    | SNA    |        |
| ...4  |              | BN97-07377F | ASSY MICOM-SUB;T-NT14LDEUS-1002,2014.02. | 1    | SNA    |        |
| ...5  |              | 1107-002226 | IC-NOR FLASH;W25Q40CLSSIP,4Mbit,SOIC,8P, | 1    | SA     |        |
| ...4  |              | BN97-07377H | ASSY MICOM;T-NT14LDEUC-XXXX,F59L1G81A-25 | 1    | SNA    |        |
| ...5  |              | 1107-002252 | IC-NAND FLASH;1Gbit,128Mx8,TSOP,48P,12x2 | 1    | SA     |        |
| ...5  |              | BN46-00371C | S/W-E-MANUAL;NT14L,EU2,XH                | 1    | SNA    |        |
| ...5  |              | BN46-00377A | S/W MICOM;T-NT14LDEUC-XXXX,2013.10.23    | 1    | SNA    |        |
| ..3   | T0066        | BP62-00017A | HEAT SINK-ES;SP-50L2HX,A6063S,T2.0,26.2, | 1    | SNA    |        |
| 1     |              | BN91-13405A | ASSY LCM-SHARP;BN95-01858A,CY-GH040BGSV1 | 1    | SNA    |        |
| 0.2   | PANEL        | BN95-01858A | PRODUCT LCD-SHARP;LQ400D3HD1K,CY-GH040BG | 1    | SC     |        |
| ..3   | SCREW        | 6001-003075 | SCREW-MACHINE;BH,+,M3,L4,ZPC(WHT),SWRCH1 | 2    | SA     |        |
| ..3   | SCREW        | 6001-003083 | SCREW-MACHINE;CH,+,M3,L8,ZPC(BLK),SWRCH1 | 3    | SA     |        |

## ANNEX. Exploded View &amp; Part List

| Level | Location No. | Code No.    | Description & Specification               | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|---|------|--------|--------|
| ..3   |              | BN62-00503F | INSULATION-SOURCE PCB L;Y14 VNB 40 SHARP  | 1    | SNA    |        |
| ..3   |              | BN62-00503G | INSULATION-SOURCE PCB R;Y14 VNB 40 SHARP  | 1    | SNA    |        |
| ..3   |              | BN68-05722A | LABEL-STICKER;ALL MODEL,POLYPROPYLENE,0.  | 1    | SNA    |        |
| ..3   |              | BN90-06163A | ASSY MISC-BLU;H5000 40"                   | 1    | SNA    |        |
| ...4  |              | BN61-10113A | SUPPORT-PLATE;Y14 F-LED,PC,V2,WHT/CLEAR,  | 8    | SNA    |        |
| ....5 |              | 0103-005036 | RESIN PC;M2407,550115,TP0003              | 24   | SNA    |        |
| ....5 |              | 0103-009493 | RESIN PC;LH-1070W,W92853,WT0107,V-0       | 32   | SNA    |        |
| ...4  |              | BN61-10233A | LGP-DIFFUSESR PLATE;40inch Diffuser Plat  | 1    | SNA    |        |
| ...4  |              | BN63-13075A | SHEET-REFLECTOR;40inch Sharp, UXJP175 /D  | 1    | SNA    |        |
| ...4  |              | BN63-13076A | SHEET-COMPLEX;40inch Sharp, DMOP-3O,PET,  | 1    | SNA    |        |
| ...4  |              | BN96-30449A | ASSY LED BAR P;40inch FHD Dire,FCPkg,6ea  | 5    | SA     |        |
| ...4  |              | BN96-30450A | ASSY LED BAR P;40inch FHD Dire,FCPkg,3ea  | 5    | SA     |        |
| ...4  |              | BN96-33979A | ASSY CHASSIS BOTTOM P;Y14 F-LED 40",EGI-  | 1    | SNA    |        |
| ....5 |              | BN02-00040C | TAPE DOUBLE FACE-D-PLATE;F-LED ALL,MKT50  | 2    | SNA    |        |
| ....5 |              | BN02-00324A | TAPE-METAL FOIL;Y14 4K,T0.085,W25,NTR,3M  | 0    | SNA    |        |
| ....5 |              | BN02-00352D | TAPE OPP;PET,T0.05,W20,L50M,BLK,ULNO.E16  | 0    | SNA    |        |
| ....5 |              | BN61-10207A | HOLDER-WALL RIVET;Y14 F-LED 32",SWRCH10A  | 4    | SNA    |        |
| ....5 |              | BN61-11086A | HOLDER-MIDDLE U;Y14 F-LED 40" SHARP,PC+G  | 1    | SNA    |        |
| ....5 |              | BN61-11087A | HOLDER-MIDDLE D;Y14 F-LED 40" SHARP,PC+G  | 1    | SNA    |        |
| ....5 |              | BN61-11089A | HOLDER-MIDDLE LR;Y14 F-LED 40" SHARP,PC+  | 2    | SNA    |        |
| ....6 |              | 0103-010237 | RESIN PC;LS-3104G/LG30273VG,White,WT0044  | 44   | SNA    |        |
| ....5 |              | BN62-00501D | INSULATION-PD BOARD;Y14 VNB 39_40_42_48   | 1    | SNA    |        |
| ....5 | M0131        | BN63-00135A | GASKET;MCX15A,Conductive Fabric,2.5mm,12  | 4    | SNA    |        |
| ....5 | CC02         | BN64-02801A | CHASSIS-BOTTOM;Y14 F-LED 40" SHARP,EGI-S  | 1    | SNA    |        |
| ....6 |              | BN01-00193A | STEEL;EGI-SECC AG,940,0.500mm,550mm,SECC  | 1    | SNA    |        |
| ....5 |              | BN74-00053J | TAPE PAPER-PROTECTION;- ,3M2307,PAPER,-,0 | 1    | SNA    |        |
| ....5 |              | BN96-30417A | ASSY BOARD P-LED INTERFACE B'D;40inch FH  | 1    | SNA    |        |
| ...4  |              | BN96-33981A | ASSY FRAME P-MOLD MIDDLE;Y14 F-LED 40,PC  | 1    | SNA    |        |
| ....5 |              | BN60-00735M | SPACER-MIDDLE;Y14 VNB 32,PET,L380,NTR,T0  | 1    | SNA    |        |
| ....5 |              | BN60-00735N | SPACER-MIDDLE;Y14 VNB 40,PET,L470,NTR,T0  | 1    | SNA    |        |
| ....5 |              | BN60-00744C | SPACER-RUBBER;Y14 SF-LED VNB,SH-0140U+AT  | 1    | SNA    |        |
| ....5 |              | BN60-00815B | SPACER-PANEL (UD);14 SF-LED 40,SI,L890,G  | 2    | SNA    |        |
| ....5 |              | BN60-00815C | SPACER-PANEL (LR);14 SF-LED 40,SI,L498,G  | 2    | SNA    |        |
| ....5 |              | BN61-11084A | FRAME-MOLD MIDDLE;Y14 F-LED 40" SHARP,PC  | 1    | SNA    |        |
| ....6 |              | 0103-007368 | RESIN PC;LS-3104G,K2495,BK0048,3.0mm V-2  | 110  | SNA    |        |
| ..3   |              | BN96-30081A | ASSY OPEN CELL;LQ400D3HD1K,1920*1080,40"  | 1    | SNA    |        |
| ...4  |              | BN81-08338A | AS-DRIVER IC;DRIVER IC,S6C277G3,miniLVDS  | 1    | SNA    |        |
| ...4  |              | BN81-10999A | A/S-SOURCE PCB;SOURCE PCB,DUNTK5528TPX0,  | 1    | SNA    |        |
| ...4  |              | BN81-11001A | A/S-SOURCE PCB;SOURCE PCB,DUNTK5529TPX0,  | 1    | SNA    |        |
| ...4  |              | BN81-11002A | A/S-POL-C/F;POLARIZER-C/F,PFILV1866TPXZ,  | 1    | SNA    |        |
| ...4  |              | BN81-11003A | A/S-POL-TFT;POLARIZER-TFT,PFILV1867TPXZ,  | 1    | SNA    |        |
| ...4  |              | BN81-11004A | A/S-GATE IC;GATE IC,VHINT952821-5L,272ch  | 1    | SNA    |        |
| ..3   | TCON         | BN96-30171A | ASSY T CON P;LQ0DZC0116,40" FHD 60Hz T-c  | 1    | SA     |        |
| ..3   | OC-TC        | BN96-30783B | ASSY CABLE P-FFC;H6000,FFC,NH,57mm□1,80   | 2    | SNA    |        |
| ..3   | TC01A        | BN96-33980A | ASSY CHASSIS TOP P;Y14 F-LED 40,PC+ABS+G  | 1    | SA     |        |
| ...4  |              | BN60-00930E | SPACER-TOP(UD);Y14 VNB 40",GASKET+PET,L8  | 2    | SNA    |        |
| ...4  |              | BN60-00930F | SPACER-TOP(LR);Y14 VNB 40",GASKET+PET,L5  | 2    | SNA    |        |

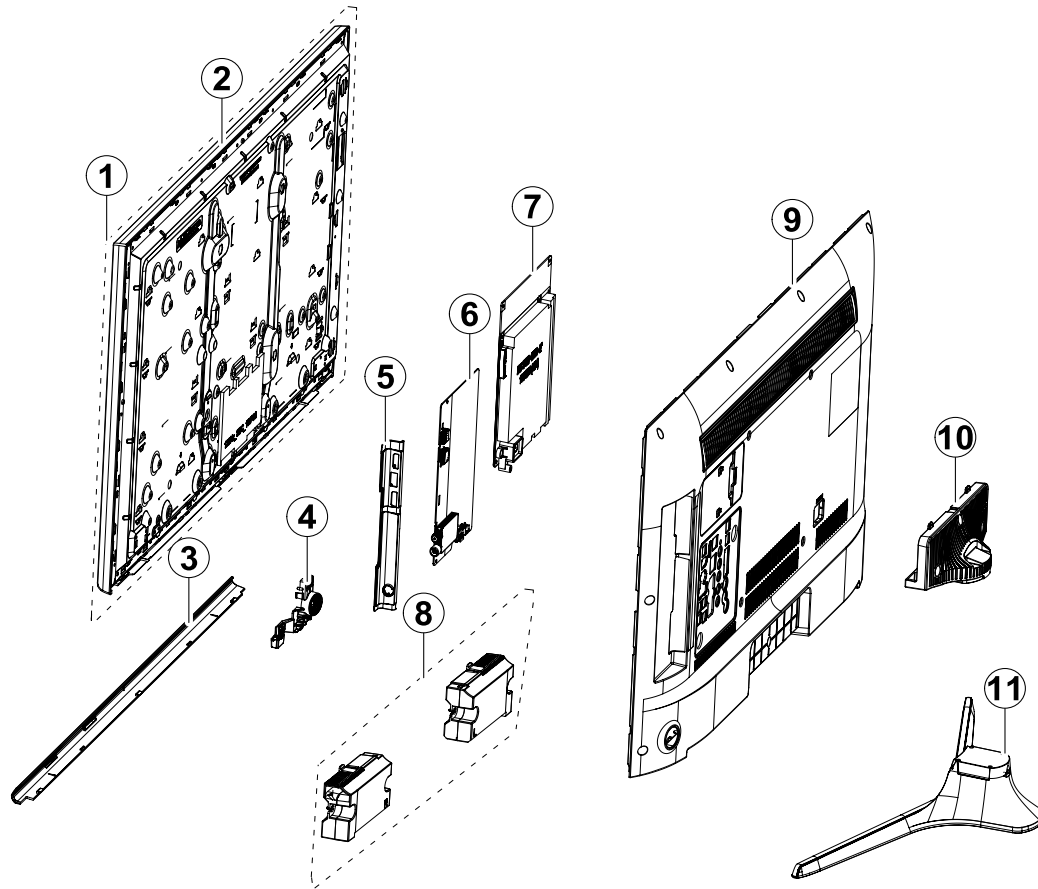
| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ...4  |              | BN60-01076A | SPACER-GASKET;Y14,CONDUCTIVE FABRIC,L16, | 3    | SNA    |        |
| ...4  |              | BN63-11161B | SHEET-THERMAL;AL+SPONGE,1.5,W 11,L 45,BL | 8    | SNA    |        |
| ...4  |              | BN63-11875A | SHEET-COVER;Y14 SF-LED,POLY*,0.068,W25,L | 2    | SNA    |        |
| ...4  | AC157        | BN64-02802A | CHASSIS-TOP;Y14 F-LED 40" 5K SHARP,PC+AB | 1    | SNA    |        |
| ....5 |              | 0103-010275 | RESIN PC ABS;235GNH15/6919H,Black,BK0007 | 150  | SNA    |        |
| 1     |              | BN91-14802D | ASSY SHIELD;JH5000,40"                   | 1    | SNA    |        |
| 0.2   | SCREW        | 6001-003016 | SCREW-MACHINE;PWH,+,M3.0,L5.0,ZPC(WHT),S | 8    | SA     |        |
| 0.2   |              | BN02-00102B | TAPE-FILAMENT;#8917,0.15,25,50,WHITE     | 0    | SNA    |        |
| 0.2   | M-F          | BN39-01873H | LEAD CONNECTOR-FUNCTION;8p / 9p,Black,08 | 1    | SA     |        |
| 0.2   | EC13         | BN39-01884B | LEAD CONNECTOR;UN40H5200AF,Lead Connecto | 1    | SA     |        |
| 0.2   | EC13         | BN39-01885C | LEAD CONNECTOR;UN40H5200AF,Flat Connecto | 1    | SA     |        |
| 0.2   | P001A        | BN44-00698A | DC VSS-LED TV PD BD;L42SF_ESM,L42SF_ESM, | 1    | SA     |        |
| 0.2   |              | BN67-00364C | RUBBER-FOOT;X13,RUBBER,10*10,6,Gray,SQUA | 1    | SNA    |        |
| 0.2   | CD01A        | BN95-01392A | ASSY DECORATION SMT;5000,40,LIGHT TITAN  | 1    | SC     |        |
| ..3   |              | 0204-006861 | COATING;SMT-L100,CLEAR,0.928             | 2    | SNA    |        |
| ..3   |              | BN01-00160A | TARGET-CHROMIUM-CY;Chromium target,99.95 | 1    | SNA    |        |
| ..3   |              | BN01-00161A | TARGET-CHROMIUM-PL;chromium target,over  | 1    | SNA    |        |
| ..3   | FD01         | BN63-11610A | COVER-DECORATION;UH5000 40",PC+ABS+G/F15 | 1    | SNA    |        |
| ..3   |              | BN63-14064H | SHEET-COVER;PE+PP,0.068,W18,Clear,100g/i | 0    | SNA    |        |
| ..3   |              | BN63-14064K | SHEET-COVER;PE+PP,0.068,W13,Clear,100g/i | 1    | SNA    |        |
| ..3   |              | BN63-14064L | SHEET-COVER;PE+PP,0.068,W16,Clear,100g/i | 1    | SNA    |        |
| ..3   |              | BN68-03682A | LABEL-STICKER;Label,20mm,10mm            | 1    | SNA    |        |
| 0.2   | LVDS         | BN96-27044N | ASSY CABLE P-FFC;NT14L 40H5000,LVDS CABL | 1    | SA     |        |
| 0.2   | SP01A        | BN96-30335A | ASSY SPEAKER P;6ohm,10W,Enclosure_H5k    | 1    | SA     |        |
| 0.2   | FB01A        | BN96-30902B | ASSY BOARD P-FUNCTION;UH5000,Function As | 1    | SA     |        |
| 1     |              | BN92-16881M | ASSY LABEL;UH5C                          | 1    | SNA    |        |
| 0.2   |              | BN68-06708D | LABEL RATING;ALL,SS,PP,T0.05,93,73,Silve | 1    | SNA    |        |
| 0.2   |              | BN68-07035Y | LEAFLET-QSG;UJ5100/UJ5120/UJ5105,32"40"  | 1    | SNA    |        |
| 1     |              | BN92-17097E | ASSY P/MATERIAL;UJ5000,40"               | 1    | SNA    |        |
| 0.2   |              | 6902-002501 | BAG ROLL;HDPE/PE FOAM,T0.5*,W750,L300M,T | 2    | SNA    |        |
| 0.2   |              | 6922-000013 | BAND;PP,W18,L2300/L2900,TRP              | 1    | SNA    |        |
| 0.2   |              | BN01-00043A | FOIL-STRETCH-HOOD;LLDPE,T0.08,W980,L1400 | 0    | SNA    |        |
| 0.2   | AS080        | BN63-11092A | SHEET-COVER;PS51F8500,PE,T4.0,W1200,L135 | 1    | SNA    |        |
| 0.2   |              | BN69-08447A | PAD;COMM,CB,SW2,T3,W800,L1000,-,-,-,YE   | 1    | SNA    |        |
| 0.2   |              | BN69-12422A | CUSHION SET;40J5000-VS,EPS,16.7g/L       | 1    | SNA    |        |
| ..3   |              | 0103-005099 | RESIN EPS;BASF303,Natural,Natural        | 368  | SNA    |        |
| 0.2   |              | BN69-12590A | PALLET-WOODEN;UE40J5100,WOOD,1160,1130,1 | 1    | SNA    |        |
| 0.2   |              | BN74-00008N | TAPE OPP;Silent,T0.065,W60,L1500M,NTR,Ac | 3    | SNA    |        |
| 1     |              | BN92-18021M | ASSY BOX;JH5000,40"                      | 1    | SNA    |        |
| 0.2   |              | BH68-00662A | LABEL BOX-01;ALL MODEL,ART PAPER,60,110, | 1    | SNA    |        |
| 0.2   |              | BN68-05640A | LABEL-03,BOX;ALL MODEL,ART PAPER 90G,110 | 1    | SNA    |        |
| 0.2   |              | BN69-12411B | BOX UNIT;40J5100-VS,CB,A-01,SW2,W1140,D1 | 1    | SNA    |        |
| 1     | ACCE1        | BN92-18220V | ASSY ACCESSORY;UJ4*                      | 1    | SNA    |        |
| 0.2   |              | BN68-05417A | LABEL-02,ENERGY;ALL,EDC,PP,T0.135,60,125 | 1    | SNA    |        |
| 0.2   |              | BN96-36891U | ASSY ACCESSORY MANUAL;J4*                | 1    | SNA    |        |
| ..3   |              | 6902-001964 | BAG PE;LDPE,BIOBASED,T0.03,W200,L300,TRP | 1    | SNA    |        |
| ..3   |              | BN68-03548J | LEAFLET-09;comm,Samsung,17Lang,Middle &  | 1    | SNA    |        |

ANNEX. Exploded View & Part List

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ..3   |              | BN68-04972A | MANUAL FLYER-09,REGULATORY GUI;ALL,SAMSU | 1    | SNA    |        |
| ..3   |              | BN68-05730D | LEAFLET-FICHE CARD;NT14L REFRSH,EUROPE,M | 1    | SNA    |        |
| ..3   |              | BN68-06489W | MANUAL USERS-01;J5100 J4100,XH,ENG/POL/S | 1    | SNA    |        |
| 0.2   |              | BN96-36896B | ASSY ACCESSORY CABLE;J4*                 | 1    | SNA    |        |
| ..3   | T0268        | 3903-000849 | CBF-POWER CORD;DT,CEE,LP-21L,250V,2.5A,B | 1    | SC     |        |
| ..3   |              | 4301-000121 | BATTERY-MN;1.5V,R03,10.5x44.5m,7.5g,AAA  | 2    | SNA    |        |
| ..3   |              | 6902-001965 | BAG PE;LDPE,BIOBASED,T0.05,W200,L300,TRP | 1    | SNA    |        |
| ..3   | REMO2        | AA59-00741A | REMOCON;TM1240,44,3.0V,F5020/EU          | 1    | SA     |        |
| ..3   |              | BN68-02989A | LABEL-PQS;ALL,ALL,Paper,30,65,WHITE,SEH  | 1    | SNA    |        |
| ..3   |              | BN96-15806B | ASSY HOLDER P-WIRE STAND;UE5500,NYLON,BL | 1    | SNA    |        |
| ...4  |              | BN61-04731D | TAPE-DOUBLE FACE;ACRYL,T1.1,W20.0mm,WHIT | 0    | SNA    |        |
| ...4  |              | BN61-05491C | HOLDER-WIRE STAND;UE5500,PA,BLK          | 1    | SNA    |        |
| ..3   |              | BN96-32380B | ASSY ACCESSORY-SCREW;BN69-10588A,BN61-09 | 2    | SNA    |        |
| ...4  | HOLDER-BOLT  | BN61-09494D | HOLDER-BOLT;BH+,SWRCH18A,L14,M4,B TYPE   | 8    | SA     |        |
| ...4  |              | BN69-10588A | BAG SCREW;LDPE,-,0.05,70,90,TRP,-,-,LED  | 2    | SNA    |        |

## ANNEX. Exploded View & Part List [UE32J5100AWXXH TS01]

### 1-1. Exploded View



### 1-1-1. Parts List

| No. | Code No.    | Description & Specification               | Q'ty | SA/SNA | Remark |
|-----|-------------|---|------|--------|--------|
| 1   | BN95-01325A | PRODUCT LCD-AMLCD; LSF320HN03-G,CY-GH032B | 1    | SC     |        |
| 2   | BN96-30569B | ASSY CHASSIS TOP P; Y14 VNB 32 5K,BN64-02 | 1    | SA     |        |
| 3   | BN95-01391A | ASSY DECORATION SMT; 5000,32,LIGHT TITAN  | 1    | SC     |        |
| 4   | BN96-30902B | ASSY BOARD P-FUNCTION; UH5000,Function As | 1    | SA     |        |
| 5   | BN61-09059A | HOLDER-SIDE AV; UF6100,HIPS,BK0020,HB,EO/ | 1    | SNA    |        |
| 6   | BN94-08116E | ASSY PCB MAIN; UH5C                       | 1    | SA     |        |
| 7   | BN44-00697A | DC VSS-LED TV PD BD; L32SF_ESM,L32SF_ESM, | 1    | SA     |        |
| 8   | BN96-30336B | ASSY SPEAKER P; 6ohm,10W,Enclosure_H5k    | 1    | SA     |        |
| 9   | BN96-30579A | ASSY COVER P-REAR; H5000 32,EO,PC+ABS,V1, | 1    | SA     |        |
| 10  | BN96-30999A | ASSY GUIDE P-STAND; UH6400,32,PC+G/F 20%  | 1    | SA     |        |
| 11  | BN96-35221C | ASSY STAND P-BASE; J5500 32",ABS+PC,V0    | 1    | SA     |        |

## 2-1. Electrical Parts List

Service Bom (SA: SERVICE AVAILABLE, SNA: SERVICE NOT AVAILABLE)

| Level | Location No. | Code No.    | Description & Specification              | Q'ty  | SA/SNA | Remark |
|-------|--------------|-------------|--|-------|--------|--------|
|       |              |             | UE32J5100AWXXH (TS01)                    |       |        |        |
| 1     |              | BN90-05474D | ASSY W/I;UH5000                          | 1     | SNA    |        |
| 0.2   |              | BN81-08159Z | PART SET-ELEC W/I;UF**,UH**,UG**,ELEC    | 1     | SNA    |        |
| 0.2   |              | BN81-08368C | PART SET-MECH W/I;UH5C,U32HC*            | 1     | SNA    |        |
| 1     | R001A        | BN90-05552A | ASSY COVER REAR;UH5000                   | 1     | SNA    |        |
| 0.2   | SCREW        | 6001-003074 | SCREW-MACHINE;BH,+,M3,L6,ZPC(BLK),SWRCH1 | 11    | SA     |        |
| 0.2   | SCREW        | 6003-001782 | SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR | 1     | SA     |        |
| 0.2   | R001A        | BN96-30579A | ASSY COVER P-REAR;H5000 32,EO,PC+ABS,V1, | 1     | SA     |        |
| ..3   | R001         | BN63-11618A | COVER-REAR;UH5000 32",PC+ABS,V1,BLK,corr | 1     | SNA    |        |
| ...4  |              | 0103-010488 | RESIN PC ABS;NH-1055 K21441,Black,BK0008 | 900   | SNA    |        |
| ..3   |              | BN68-05650C | LABEL-TERMINAL SIDE;UH5K,PET,T0.125,W14. | 1     | SNA    |        |
| 1     | S001A        | BN90-06668C | ASSY STAND;UJ5000,32"                    | 1     | SNA    |        |
| 0.2   | SG01A        | BN96-30999A | ASSY GUIDE P-STAND;UH6400,32,PC+G/F 20%  | 1     | SA     |        |
| ..3   |              | 0203-001499 | TAPE-OPP;T0.04,W15,,TRP                  | 0     | SNA    |        |
| ..3   | SG03         | BN61-10357A | GUIDE-STAND;UH6400 32",PC,G/F 20%        | 1     | SC     |        |
| ...4  |              | 0103-007285 | RESIN PC;HF3200H,K21294,BK0007,V2        | 1.5mm | 140    |        |
| ..3   |              | BN96-29120B | ASSY ACCESSORY-SCREW;BN69-09241B,6003-00 | 1     | SNA    |        |
| ...4  | SCREW        | 6003-001782 | SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR | 7     | SA     |        |
| ...4  |              | BN69-09241B | BAG SCREW;LDPE,-,0.05,70,90,TRP,-,-,Viny | 1     | SNA    |        |
| 0.2   | SB04A        | BN96-35221C | ASSY STAND P-BASE;J5500 32",ABS+PC,V0    | 1     | SA     |        |
| ..3   | AS080        | BN63-04755L | SHEET-COVER;22LC350,PE,T0.05,W130mm,200M | 1     | SNA    |        |
| ..3   |              | BN63-13257A | COVER-STAND BASE;Y15 F-LED J5100/5500 32 | 1     | SNA    |        |
| ...4  |              | 0103-009946 | RESIN PC ABS;HM-1200,BLACK,BK0007,V1     | 300   | SNA    |        |
| ...4  |              | BN68-00513D | LABEL-RESIN;resin,-,art paper,-,10,25,-, | 1     | SNA    |        |
| ..3   |              | BN63-13261B | COVER-DECORATION STAND;J5100/5300 32",AB | 1     | SNA    |        |
| ...4  |              | 0103-005041 | RESIN PC ABS;FR3200TV,901408,BK0008,1.2m | 65    | SNA    |        |
| ..3   |              | BN67-00398P | RUBBER-FOOT;RUBBER,SILICONE,15.5*8,2.5,G | 5     | SNA    |        |
| ..3   |              | BN68-05603A | LABEL-E,PASS;ALL MODEL,ART PAPER 90G,60, | 1     | SNA    |        |
| 1     |              | BN91-12008A | ASSY LCM-AMLCD;BN95-01325A,CY-GH032BGLV1 | 1     | SNA    |        |
| 0.2   | PANEL        | BN95-01325A | PRODUCT LCD-AMLCD;LSF320HN03-G,CY-GH032B | 1     | SC     |        |
| ..3   | SCREW        | 6001-003075 | SCREW-MACHINE;BH,+,M3,L4,ZPC(WHT),SWRCH1 | 2     | SA     |        |
| ..3   | SCREW        | 6001-003083 | SCREW-MACHINE;CH,+,M3,L8,ZPC(BLK),SWRCH1 | 1     | SA     |        |
| ..3   | M0131        | BN63-00520A | GASKET;APPOLO_PAL,Conductive Fabric,0.13 | 2     | SNA    |        |
| ..3   |              | BN68-05722A | LABEL-STICKER;ALL MODEL,POLYPROPYLENE,0. | 1     | SNA    |        |
| ..3   |              | BN90-05179A | ASSY MISC-BLU;H5000 32",CY-GH032         | 1     | SNA    |        |
| ...4  |              | BN61-10113A | SUPPORT-PLATE;Y14 F-LED,PC,V2,WHT/CLEAR, | 4     | SNA    |        |
| ...4  |              | BN61-10226A | LGP-DIFFUSESR PLATE;32inch Diffuser Plat | 1     | SNA    |        |
| ...4  |              | BN63-11544A | SHEET-COMPLEX;Y14 VNB 32" FHD DMOP/UTA11 | 1     | SNA    |        |
| ...4  |              | BN63-11812A | SHEET-REFLECTOR;Y14 32inch, SY95S / SY20 | 1     | SNA    |        |
| ...4  |              | BN96-30442A | ASSY LED BAR P;32inch FHD Dire,FCPkg,7ea | 4     | SA     |        |
| ...4  |              | BN96-30567E | ASSY CHASSIS BOTTOM P;Y14 VNB 32,BN64-02 | 1     | SNA    |        |
| ....5 | SCREW        | 6001-003075 | SCREW-MACHINE;BH,+,M3,L4,ZPC(WHT),SWRCH1 | 1     | SA     |        |
| ....5 |              | BN02-00040C | TAPE DOUBLE FACE-D-PLATE;F-LED ALL,MKT50 | 2     | SNA    |        |
| ....5 |              | BN61-10097A | HOLDER-MIDDLE(U);Y14 F-LED 32" (5K),PC+G | 1     | SNA    |        |

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ....5 |              | BN61-10114A | BRACKET-WALL MOUNT;Y14 F-LED 32",EGI-SEC | 1    | SNA    |        |
| ....5 |              | BN61-10146A | HOLDER-MIDDLE(LR);Y14 F-LED 32" (5K),PC+ | 2    | SNA    |        |
| ....5 |              | BN61-10187A | HOLDER-MIDDLE(D);Y14 F-LED 32" (5K),PC+G | 1    | SNA    |        |
| ....5 |              | BN61-10207A | HOLDER-WALL RIVET;Y14 F-LED 32",SWRCH10A | 3    | SNA    |        |
| ....5 |              | BN62-00501J | INSULATION-PD BOARD;Y14 VNB 32" 6K,PC,0. | 1    | SNA    |        |
| ....5 | M0131        | BN63-00135A | GASKET;MCX15A,Conductive Fabric,2.5mm,12 | 4    | SNA    |        |
| ....5 | CC02         | BN64-02515A | CHASSIS-BOTTOM;Y14 F-LED 32" (VNB),EGI-S | 1    | SNA    |        |
| ....5 |              | BN74-00053J | TAPE PAPER-PROTECTION;-;3M2307,PAPER,-,0 | 0    | SNA    |        |
| ....5 |              | BN96-30415A | ASSY BOARD P-LED INTERFACE B'D;32inch FH | 1    | SNA    |        |
| ...4  |              | BN96-30568A | ASSY MISC P-MOLD MIDDLE;Y14 VNB 32,BN61- | 1    | SNA    |        |
| ....5 |              | BN60-00735L | SPACER-MIDDLE;Y14 VNB 32,PET,L262,NTR,T0 | 1    | SNA    |        |
| ....5 |              | BN60-00735M | SPACER-MIDDLE;Y14 VNB 32,PET,L380,NTR,T0 | 1    | SNA    |        |
| ....5 |              | BN60-00744A | SPACER-RUBBER;Y13 F-LED SLIM,SH-0140U+AT | 2    | SNA    |        |
| ....5 |              | BN60-00815P | SPACER-PANEL (UD);Y14 VNB 32,SI,L700,GRA | 2    | SNA    |        |
| ....5 |              | BN60-00816D | SPACER-PANEL (LR);Y14 VNB 32,SI,L399.3,G | 2    | SNA    |        |
| ....5 |              | BN61-10076A | FRAME-MOLD MIDDLE;Y14 F-LED 32" (5K),PC+ | 1    | SNA    |        |
| ..3   | TCON         | BN95-01304B | ASSY T CON;LSF320HN03-G,32F60 VNB        | 1    | SC     |        |
| ...4  |              | BN97-07969C | ASSY SMD;BN95-01304B                     | 1    | SNA    |        |
| ....5 |              | 0202-001899 | SOLDER-CREAM;M705-GRN360-K2-VT,20-38um,S | 1    | SNA    |        |
| ....5 |              | 0404-001640 | DIODE-SCHOTTKY;SS1060HEWS,60V,1000mA,SOD | 1    | SA     |        |
| ....5 |              | 0406-001317 | DIODE-TVS;SMAJ14A,15.6/-/17.2V,400W,SMA  | 2    | SNA    |        |
| ....5 |              | 0406-001445 | DIODE-TVS;RClamp7512N,2.7/2.8/2.9,300W,S | 2    | SA     |        |
| ....5 |              | 0406-001578 | DIODE-TVS;P4SMAJ40A,44.4,51.1,400W,SMA   | 1    | SA     |        |
| ....5 |              | 0505-002826 | FET-SILICON;ZXMN6A07F,N,60V,1A,0.4ohm,0. | 1    | SNA    |        |
| ....5 | EL02         | 0601-002037 | LED;SMD(TOP VIEW),BLUE,1.6x0.8mm,465/470 | 2    | SA     |        |
| ....5 |              | 1203-007956 | IC-DC/DC CONVERTER;RT6917,QFN,48P,6x6x1m | 1    | SNA    |        |
| ....5 |              | 1203-007959 | IC-DC/DC CONVERTER;RT6915,QFN,36P,6x6x0. | 1    | SNA    |        |
| ....5 |              | 1405-001381 | VARISTOR;11V,8VDC,30A,1.6x0.8x0.9mm,TP,2 | 3    | SA     |        |
| ....5 |              | 1405-001382 | VARISTOR;24.5V,16VDC,120A,2.0x1.25x1.1mm | 2    | SA     |        |
| ....5 |              | 2007-000039 | R-CHIP;0ohm,1%,1/10W,TP,1608             | 5    | SA     |        |
| ....5 |              | 2007-000052 | R-CHIP;10Kohm,1%,1/10W,TP,1608           | 2    | SA     |        |
| ....5 |              | 2007-000063 | R-CHIP;150Kohm,1%,1/10W,TP,1608          | 1    | SA     |        |
| ....5 |              | 2007-000067 | R-CHIP;15Kohm,1%,1/10W,TP,1608           | 1    | SNA    |        |
| ....5 |              | 2007-000108 | R-CHIP;510Kohm,5%,1/10W,TP,1608          | 2    | SA     |        |
| ....5 |              | 2007-000113 | R-CHIP;33ohm,5%,1/10W,TP,1608            | 1    | SA     |        |
| ....5 |              | 2007-000138 | R-CHIP;100ohm,5%,1/16W,TP,1005           | 4    | SA     |        |
| ....5 |              | 2007-000148 | R-CHIP;10Kohm,5%,1/16W,TP,1005           | 1    | SA     |        |
| ....5 |              | 2007-000171 | R-CHIP;0ohm,5%,1/16W,TP,1005             | 7    | SNA    |        |
| ....5 |              | 2007-000265 | R-CHIP;1.8Kohm,1%,1/10W,TP,1608          | 2    | SA     |        |
| ....5 |              | 2007-000336 | R-CHIP;120Kohm,1%,1/10W,TP,1608          | 1    | SA     |        |
| ....5 |              | 2007-000455 | R-CHIP;18Kohm,1%,1/10W,TP,1608           | 1    | SA     |        |
| ....5 |              | 2007-000543 | R-CHIP;20Kohm,1%,1/8W,TP,2012            | 1    | SNA    |        |
| ....5 |              | 2007-000772 | R-CHIP;33Kohm,1%,1/10W,TP,1608           | 1    | SA     |        |
| ....5 |              | 2007-000779 | R-CHIP;33ohm,1%,1/10W,TP,1608            | 9    | SA     |        |
| ....5 |              | 2007-000910 | R-CHIP;43Kohm,1%,1/10W,TP,1608           | 1    | SA     |        |
| ....5 |              | 2007-000962 | R-CHIP;5.1Kohm,1%,1/10W,TP,1608          | 1    | SA     |        |
| ....5 |              | 2007-001068 | R-CHIP;6.8Kohm,1%,1/10W,TP,1608          | 1    | SA     |        |

ANNEX. Exploded View & Part List

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ....5 |              | 2007-001139 | R-CHIP;7.5Kohm,1%,1/10W,TP,1608          | 1    | SA     |        |
| ....5 |              | 2007-001298 | R-CHIP;51ohm,5%,1/16W,TP,1005            | 5    | SNA    |        |
| ....5 |              | 2007-002768 | R-CHIP;6.2Kohm,1%,1/10W,TP,1608          | 2    | SA     |        |
| ....5 |              | 2007-002899 | R-CHIP;10ohm,1%,1/10W,TP,1608            | 3    | SA     |        |
| ....5 |              | 2007-002900 | R-CHIP;11Kohm,1%,1/10W,TP,1608           | 1    | SNA    |        |
| ....5 |              | 2007-007135 | R-CHIP;18Kohm,1%,1/16W,TP,1005           | 2    | SNA    |        |
| ....5 |              | 2007-007136 | R-CHIP;4.7Kohm,1%,1/16W,TP,1005          | 10   | SNA    |        |
| ....5 |              | 2007-007306 | R-CHIP;100ohm,1%,1/16W,TP,1005           | 2    | SNA    |        |
| ....5 |              | 2007-007590 | R-CHIP;82Kohm,1%,1/16W,TP,1005           | 1    | SNA    |        |
| ....5 |              | 2007-007698 | R-CHIP;5.1Kohm,1%,1/16W,TP,1005          | 2    | SNA    |        |
| ....5 |              | 2007-008117 | R-CHIP;2.7Kohm,1%,1/16W,TP,1005          | 2    | SA     |        |
| ....5 |              | 2007-008137 | R-CHIP;24Kohm,1%,1/16W,TP,1005           | 2    | SNA    |        |
| ....5 |              | 2007-010820 | R-CHIP;0.68ohm,1%,1/10W,TP,1608          | 1    | SNA    |        |
| ....5 |              | 2007-010998 | R-CHIP;0.3ohm,1%,1/8W,TP,1608,0.45       | 1    | SNA    |        |
| ....5 |              | 2011-001264 | R-NETWORK;10ohm,5%,1/16W,L,CHIP,8P,TP,2. | 4    | SNA    |        |
| ....5 | AD480        | 2203-000236 | C-CER,CHIP;0.1nF,5%,50V,C0G,TP,1608      | 1    | SA     |        |
| ....5 | AD480        | 2203-000254 | C-CER,CHIP;10nF,10%,16V,X7R,TP,1005      | 1    | SA     |        |
| ....5 | AD480        | 2203-000257 | C-CER,CHIP;10nF,10%,50V,X7R,TP,1608      | 1    | SA     |        |
| ....5 | AD480        | 2203-001414 | C-CER,CHIP;330nF,10%,50V,X7R,TP,2012     | 1    | SNA    |        |
| ....5 | AD480        | 2203-002711 | C-CER,CHIP;100nF,10%,25V,X7R,TP,1608     | 2    | SA     |        |
| ....5 | AD480        | 2203-005138 | C-CER,CHIP;1.8nF,10%,50V,X7R,TP,1005     | 1    | SA     |        |
| ....5 | AD480        | 2203-005148 | C-CER,CHIP;100nF,10%,16V,X7R,TP,1608     | 1    | SNA    |        |
| ....5 | AD480        | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,TP,1608     | 2    | SNA    |        |
| ....5 | AD480        | 2203-005918 | C-CER,CHIP;1000nF,10%,6.3V,X7R,TP,1608   | 1    | SNA    |        |
| ....5 | AD480        | 2203-006048 | C-CER,CHIP;100nF,10%,10V,X7R,TP,1005     | 2    | SA     |        |
| ....5 | AD480        | 2203-006158 | C-CER,CHIP;100nF,10%,16V,X7R,TP,1005,0.5 | 13   | SNA    |        |
| ....5 | AD480        | 2203-006399 | C-CER,CHIP;1000nF,10%,6.3V,X5R,TP,1005   | 10   | SA     |        |
| ....5 | AD480        | 2203-006460 | C-CER,CHIP;2200nF,10%,16V,X5R,TP,1608,-  | 4    | SA     |        |
| ....5 | AD480        | 2203-006698 | C-CER,CHIP;1000nF,10%,25V,X7R,TP,1608,0. | 10   | SNA    |        |
| ....5 | AD480        | 2203-006890 | C-CER,CHIP;10000nF,20%,6.3V,X5R,TP,1608  | 5    | SNA    |        |
| ....5 | AD480        | 2203-006960 | C-CER,CHIP;1000nF,10%,50V,X7R,TP,2012    | 1    | SNA    |        |
| ....5 | AD480        | 2203-007176 | C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012,1 | 20   | SNA    |        |
| ....5 | AD480        | 2203-007240 | C-CER,CHIP;22000nF,20%,6.3V,X5R,TP,1608( | 7    | SA     |        |
| ....5 | AD480        | 2203-007306 | C-CER,CHIP;10000nF,10%,25V,X5R,TP,2012,1 | 18   | SNA    |        |
| ....5 | AD480        | 2203-007425 | C-CER,CHIP;2200nF,10%,25V,X5R,TP,1608,0. | 1    | SNA    |        |
| ....5 | AD480        | 2203-007544 | C-CER,CHIP;100nF,10%,50V,X7R,TP,1005,0.5 | 1    | SA     |        |
| ....5 |              | 2703-003747 | INDUCTOR-SMD;22uH,20%,6060,0.135ohm,1300 | 2    | SA     |        |
| ....5 |              | 2703-003862 | INDUCTOR-SMD;10uH,20%,6060,0.065ohm,1900 | 2    | SA     |        |
| ....5 |              | 2703-003913 | INDUCTOR-SMD;2.2uH,20%,2520,1.2T,0.116Oh | 1    | SNA    |        |
| ....5 |              | 2901-001362 | FILTER-EMI/ESD;5.5V,0A,50pF,2.05x1.25x0. | 1    | SNA    |        |
| ....5 |              | 3301-002039 | BEAD-SMD;26ohm,1608,TP                   | 18   | SA     |        |
| ....5 |              | 3601-001038 | FUSE-SURFACE MOUNT;125V,3A,FAST-ACTING,C | 1    | SA     |        |
| ....5 |              | 3708-003073 | CONNECTOR-FPC/FFC/PIC;51P,0.5mm,SMD,AU,N | 1    | SA     |        |
| ....5 |              | 3708-003176 | CONNECTOR-FPC/FFC/PIC;68P,0.5mm,SMD-A,AU | 2    | SA     |        |
| ....5 | EH01         | 3711-005601 | HEADER-BOARD TO CABLE;BOX,8P,1R,2mm,SMD- | 1    | SA     |        |
| ....5 |              | BN13-00064A | IC ASIC;S6T0LT3,EF11,169,3.3,-20to+70C,F | 1    | SA     |        |
| ....5 |              | BN41-02111A | PCB-T CON;2014 FHD 60Hz,FR-4,4,1.0T,150* | 1    | SNA    |        |

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ...5  |              | BN97-08157C | ASSY MICOM;0H32A6F110,24C64,5K,1103-0015 | 1    | SNA    |        |
| ....6 |              | 1103-001565 | IC-EEPROM;M24C64-WMN6TPK,100pF,SO8,8Q,4. | 1    | SA     |        |
| ..3   | OC           | BN96-30045A | ASSY OPEN CELL;LSF320HN03-G,8bit,32 INCH | 1    | SA     |        |
| ...4  |              | BN81-07434A | A/S-ADHESIVE-A.C.F(CP);ADHESIVE-A.C.F,1- | 1    | SNA    |        |
| ...4  |              | BN81-07943A | A/S-ADHESIVE-A.C.F(TP500B);ADHESIVE-A.C. | 1    | SNA    |        |
| ...4  |              | BN81-09604A | A/S-IC DRIVER SOURCE;IC DRIVER SOURCE,LJ | 1    | SNA    |        |
| ...4  |              | BN81-09605A | A/S-POLARIZER-TFT;POLARIZER-TFT,SMLK41FP | 1    | SNA    |        |
| ...4  |              | BN81-09606A | A/S-POLARIZER-C/F;POLARIZER-C/F,SMLK41FP | 1    | SNA    |        |
| ...4  |              | BN81-09607A | A/S-ASSY PCB-SOURCE(L);ASSY PCB-SOURCE(L | 1    | SNA    |        |
| ...4  |              | BN81-09608A | A/S-ASSY PCB-SOURCE(R);ASSY PCB-SOURCE(R | 1    | SNA    |        |
| ..3   | TC01A        | BN96-30569B | ASSY CHASSIS TOP P;Y14 VNB 32 5K,BN64-02 | 1    | SA     |        |
| ...4  |              | BN60-00930C | SPACER-TOP(UD);Y14 NNB/VNB 32",GASKET+PE | 2    | SNA    |        |
| ...4  |              | BN60-00930D | SPACER-TOP(LR);Y14 NNB/VNB 32",GASKET+PE | 2    | SNA    |        |
| ...4  |              | BN60-01076A | SPACER-GASKET;Y14,CONDUCTIVE FABRIC,L16, | 3    | SNA    |        |
| ...4  |              | BN63-11875A | SHEET-COVER;Y14 SF-LED,POLY*,0.068,W25,L | 2    | SNA    |        |
| ...4  | AC157        | BN64-02487B | CHASSIS-TOP;Y14 F-LED 32" (5K),PC+ABS+GF | 1    | SNA    |        |
| ....5 |              | 0103-009559 | RESIN PC;HM-1150S,K21294,BK0007,PC ABS G | 123  | SNA    |        |
| ..3   | OC-TC        | BN96-30720B | ASSY CABLE P-FFC;H5000,FFC,No housing ty | 2    | SNA    |        |
| 1     | M0017        | BN91-13225E | ASSY CHASSIS;UH5C                        | 1    | SNA    |        |
| 0.2   | M0014        | BN94-08116E | ASSY PCB MAIN;UH5C                       | 1    | SA     |        |
| ..3   |              | BN61-09059A | HOLDER-SIDE AV;UF6100,HIPS,BK0020,HB,EO/ | 1    | SNA    |        |
| ...4  |              | 0103-004628 | RESIN HIPS;HF-1690H,K2901,BK0020,1.5mm H | 13   | SNA    |        |
| ..3   |              | BN67-00364C | RUBBER-FOOT;X13,RUBBER,10*10,6,Gray,SQUA | 1    | SNA    |        |
| ..3   | FB01A        | BN97-07120D | ASSY DRM-KEY;NT14L_DRM-KEY(CI+)          | 1    | SNA    |        |
| ...4  |              | BN46-00328B | KEY CODE-CERTIFI;CI+,TV,NT14, EU         | 1    | SNA    |        |
| ..3   |              | BN97-07960B | ASSY SMD-MAIN;UH5C                       | 1    | SNA    |        |
| ...4  |              | 0202-001899 | SOLDER-CREAM;M705-GRN360-K2-VT,20-38um,S | 3    | SNA    |        |
| ...4  | DS01A        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | SA     |        |
| ...4  | DS01A        | 0401-001116 | DIODE-SWITCHING;BAV99DW,75V,215mA,SOT-36 | 2    | SA     |        |
| ...4  |              | 0403-001552 | DIODE-ZENER;DDZ16,15.69/16.51V,500mW,SOD | 1    | SA     |        |
| ...4  |              | 0403-001783 | DIODE-ZENER;BZB84-C6V2,5.8/6.6V,300mW,SO | 5    | SNA    |        |
| ...4  |              | 0403-001784 | DIODE-ZENER;NZH7V5C,7.29/7.67V,500mW,SOD | 1    | SNA    |        |
| ...4  |              | 0403-001785 | DIODE-ZENER;NZH5V1B,4.94/5.2V,500mW,SOD- | 1    | SA     |        |
| ...4  |              | 0403-001797 | DIODE-ZENER;NZH3V0B,2.85/3.15V,500mW,SOD | 1    | SNA    |        |
| ...4  |              | 0404-001404 | DIODE-SCHOTTKY;BAT721C,40V,200mA,SOT-23, | 2    | SA     |        |
| ...4  |              | 0406-001200 | DIODE-TVS;RCLAMP0504F,6/-/-V,150W,SC-70  | 1    | SA     |        |
| ...4  |              | 0406-001628 | DIODE-TVS;AOZ8804ADI,6/-/-V,150W,SLP2510 | 4    | SA     |        |
| ...4  |              | 0501-000279 | TR-SMALL SIGNAL;KSA1182-Y,PNP,150mW,SOT- | 1    | SA     |        |
| ...4  |              | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 6    | SC     |        |
| ...4  |              | 0505-002560 | FET-SILICON;AO6415,P,-20V,-3.3A,0.15ohm, | 3    | SA     |        |
| ...4  |              | 0505-003397 | FET-SILICON;2N7002K,N,60V,380mA,1.19ohm, | 6    | SA     |        |
| ...4  |              | 0801-002780 | IC-CMOS LOGIC;74LVC1G17,SCHMITT-TRIGGER  | 2    | SA     |        |
| ...4  |              | 0801-003330 | IC-CMOS LOGIC;Octal buffer,DQFN,20P,4.5x | 1    | SA     |        |
| ...4  |              | 1001-001860 | IC-ANALOG SWITCH;NX5L2750CGU,QFN,10P,1.4 | 1    | SNA    |        |
| ...4  |              | 1103-001531 | IC-EEPROM;S-24C256CI-J8T1U4,256Kbit,32Kx | 1    | SA     |        |
| ...4  |              | 1105-002527 | IC-DDR3 SDRAM;K4B2G1646Q-BCK0,DDR3,2Gbit | 1    | SA     |        |
| ...4  |              | 1201-003183 | IC-AUDIO AMP;DRV612,HTSSOP,14P,5x4.4mm,D | 1    | SA     |        |

## ANNEX. Exploded View &amp; Part List

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ...4  |              | 1201-003671 | IC-AUDIO AMP;NTP7414,MLF,48P,7x7mm,DUAL, | 1    | SA     |        |
| ...4  |              | 1203-004363 | IC-VOL. DETECTOR;SOT-23,3Z30,2.9x1.6mm,P | 1    | SA     |        |
| ...4  |              | 1203-006017 | IC-VOL. DETECTOR;RT9824GJ8,TSOT23,8P,2.9 | 1    | SA     |        |
| ...4  |              | 1203-006130 | IC-POSIFIXED REG.;S-1172B25-U5T1G,SOT-8  | 1    | SA     |        |
| ...4  |              | 1203-007694 | IC-DC/DC CONVERTER;SN1106041DDAR,DDA,8Z3 | 2    | SA     |        |
| ...4  |              | 1203-007984 | IC-DC/DC CONVERTER;AOZ3015PI,SO-8,8P,6.2 | 1    | SA     |        |
| ...4  |              | 1203-008103 | IC-POSIFIXED REG.;S-13A1D15-E800,HSOP,8  | 1    | SNA    |        |
| ...4  |              | 1203-008104 | IC-POSIFIXED REG.;S-13A1D18-E800,HSOP,8  | 1    | SNA    |        |
| ...4  |              | 1203-008105 | IC-POSIFIXED REG.;S-13A1D33-E800,HSOP,8  | 1    | SNA    |        |
| ...4  |              | 1204-003492 | IC-DECODER;SENK14,LFBGA,624P,21x21mm,PLA | 1    | SA     |        |
| ...4  |              | 1205-004447 | IC-SWITCH;TPS2051CDBVR,SOT23-5,5P,3x1.65 | 2    | SA     |        |
| ...4  |              | 1405-001271 | VARISTOR;35V,20Vdc,5A,1.0x0.5x0.6mm,TP,1 | 26   | SA     |        |
| ...4  |              | 2007-000137 | R-CHIP;2Kohm,5%,1/16W,TP,1005            | 5    | SNA    |        |
| ...4  |              | 2007-000138 | R-CHIP;100ohm,5%,1/16W,TP,1005           | 21   | SA     |        |
| ...4  |              | 2007-000142 | R-CHIP;2.7Kohm,5%,1/16W,TP,1005          | 3    | SNA    |        |
| ...4  |              | 2007-000143 | R-CHIP;4.7Kohm,5%,1/16W,TP,1005          | 42   | SNA    |        |
| ...4  |              | 2007-000148 | R-CHIP;10Kohm,5%,1/16W,TP,1005           | 34   | SA     |        |
| ...4  |              | 2007-000153 | R-CHIP;22Kohm,5%,1/16W,TP,1005           | 9    | SNA    |        |
| ...4  |              | 2007-000157 | R-CHIP;47Kohm,5%,1/16W,TP,1005           | 6    | SNA    |        |
| ...4  |              | 2007-000162 | R-CHIP;100Kohm,5%,1/16W,TP,1005          | 6    | SNA    |        |
| ...4  |              | 2007-000168 | R-CHIP;470Kohm,5%,1/16W,TP,1005          | 3    | SNA    |        |
| ...4  |              | 2007-000171 | R-CHIP;0ohm,5%,1/16W,TP,1005             | 5    | SNA    |        |
| ...4  |              | 2007-000172 | R-CHIP;10ohm,5%,1/16W,TP,1005            | 2    | SNA    |        |
| ...4  |              | 2007-000173 | R-CHIP;22ohm,5%,1/16W,TP,1005            | 10   | SNA    |        |
| ...4  |              | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005            | 2    | SNA    |        |
| ...4  |              | 2007-000256 | R-CHIP;1.6Kohm,1%,1/10W,TP,1608          | 1    | SA     |        |
| ...4  |              | 2007-000475 | R-CHIP;1Mohm,1%,1/10W,TP,1608            | 1    | SA     |        |
| ...4  |              | 2007-000691 | R-CHIP;3.3Mohm,5%,1/10W,TP,1608          | 1    | SA     |        |
| ...4  |              | 2007-000695 | R-CHIP;3.3ohm,5%,1/10W,TP,1608           | 4    | SNA    |        |
| ...4  |              | 2007-000775 | R-CHIP;33Kohm,5%,1/16W,TP,1005           | 2    | SNA    |        |
| ...4  |              | 2007-000931 | R-CHIP;470ohm,5%,1/8W,TP,2012            | 1    | SC     |        |
| ...4  |              | 2007-000932 | R-CHIP;470ohm,5%,1/16W,TP,1005           | 7    | SNA    |        |
| ...4  |              | 2007-001168 | R-CHIP;75ohm,5%,1/4W,TP,3216             | 1    | SA     |        |
| ...4  |              | 2007-001292 | R-CHIP;33ohm,5%,1/16W,TP,1005            | 12   | SNA    |        |
| ...4  |              | 2007-001298 | R-CHIP;51ohm,5%,1/16W,TP,1005            | 2    | SNA    |        |
| ...4  |              | 2007-001313 | R-CHIP;330ohm,5%,1/16W,TP,1005           | 2    | SNA    |        |
| ...4  |              | 2007-001325 | R-CHIP;3.3Kohm,5%,1/16W,TP,1005          | 1    | SNA    |        |
| ...4  |              | 2007-003025 | R-CHIP;6.8ohm,5%,1/16W,TP,1005           | 2    | SA     |        |
| ...4  |              | 2007-007095 | R-CHIP;390ohm,5%,1/16W,TP,1005           | 1    | SA     |        |
| ...4  |              | 2007-007107 | R-CHIP;100Kohm,1%,1/16W,TP,1005          | 1    | SNA    |        |
| ...4  |              | 2007-007108 | R-CHIP;43.2Kohm,1%,1/16W,TP,1005         | 1    | SA     |        |
| ...4  |              | 2007-007139 | R-CHIP;47Kohm,1%,1/16W,TP,1005           | 1    | SA     |        |
| ...4  |              | 2007-007142 | R-CHIP;10Kohm,1%,1/16W,TP,1005           | 2    | SNA    |        |
| ...4  |              | 2007-007156 | R-CHIP;1ohm,5%,1/16W,TP,1005             | 15   | SNA    |        |
| ...4  |              | 2007-007306 | R-CHIP;100ohm,1%,1/16W,TP,1005           | 4    | SNA    |        |
| ...4  |              | 2007-007309 | R-CHIP;12Kohm,1%,1/16W,TP,1005,0.35T     | 1    | SA     |        |
| ...4  |              | 2007-007311 | R-CHIP;22Kohm,1%,1/16W,TP,1005           | 1    | SA     |        |

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ...4  |              | 2007-007317 | R-CHIP;2.2Kohm,1%,1/16W,TP,1005          | 2    | SA     |        |
| ...4  |              | 2007-007318 | R-CHIP;1Kohm,1%,1/16W,TP,1005            | 17   | SNA    |        |
| ...4  |              | 2007-007517 | R-CHIP;240ohm,1%,1/16W,TP,1005           | 1    | SNA    |        |
| ...4  |              | 2007-007538 | R-CHIP;56Kohm,1%,1/16W,TP,1005           | 1    | SA     |        |
| ...4  |              | 2007-008015 | R-CHIP;75ohm,1%,1/16W,TP,1005            | 10   | SNA    |        |
| ...4  |              | 2007-008275 | R-CHIP;30Kohm,1%,1/16W,TP,1005           | 1    | SNA    |        |
| ...4  |              | 2007-008332 | R-CHIP;11.5Kohm,1%,1/16W,TP,1005         | 2    | SA     |        |
| ...4  |              | 2007-009138 | R-CHIP;33Kohm,1%,1/16W,TP,1005           | 2    | SNA    |        |
| ...4  |              | 2011-001261 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,2. | 2    | SA     |        |
| ...4  |              | 2011-001262 | R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,2. | 2    | SA     |        |
| ...4  |              | 2011-001344 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,2 | 6    | SA     |        |
| ...4  |              | 2011-001345 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,2 | 4    | SA     |        |
| ...4  |              | 2011-001396 | R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP, | 5    | SA     |        |
| ...4  |              | 2011-001449 | R-NETWORK;22ohm,5%,1/16W,L,4P,TP,1010    | 1    | SA     |        |
| ...4  |              | 2011-001527 | R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,4P,TP, | 1    | SNA    |        |
| ...4  | AD480        | 2203-000233 | C-CER,CHIP;0.1nF,5%,50V,C0G,TP,1005      | 9    | SA     |        |
| ...4  | AD480        | 2203-000278 | C-CER,CHIP;0.01nF,0.5pF,50V,C0G,TP,1005  | 1    | SA     |        |
| ...4  | AD480        | 2203-000359 | C-CER,CHIP;0.15nF,5%,50V,C0G,TP,1005,0.5 | 4    | SNA    |        |
| ...4  | AD480        | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,TP,1005       | 7    | SA     |        |
| ...4  | AD480        | 2203-000489 | C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1005     | 1    | SA     |        |
| ...4  | AD480        | 2203-000585 | C-CER,CHIP;0.22nF,10%,50V,X7R,TP,1005    | 1    | SA     |        |
| ...4  | AD480        | 2203-000627 | C-CER,CHIP;0.022nF,5%,50V,C0G,TP,1005    | 2    | SNA    |        |
| ...4  | AD480        | 2203-000714 | C-CER,CHIP;3.3nF,10%,50V,X7R,TP,1005     | 10   | SA     |        |
| ...4  | AD480        | 2203-000812 | C-CER,CHIP;0.033nF,5%,50V,C0G,TP,1005    | 1    | SA     |        |
| ...4  | AD480        | 2203-000940 | C-CER,CHIP;0.47nF,10%,50V,X7R,TP,1005    | 6    | SA     |        |
| ...4  | AD480        | 2203-000995 | C-CER,CHIP;0.047nF,5%,50V,C0G,TP,1005    | 3    | SA     |        |
| ...4  | AD480        | 2203-001412 | C-CER,CHIP;0.03nF,5%,50V,NP0,TP,1005     | 6    | SNA    |        |
| ...4  | AD480        | 2203-002285 | C-CER,CHIP;10nF,10%,50V,X7R,TP,1005      | 12   | SNA    |        |
| ...4  | AD480        | 2203-002443 | C-CER,CHIP;0.33nF,10%,50V,X7R,TP,1005    | 8    | SA     |        |
| ...4  | AD480        | 2203-005054 | C-CER,CHIP;0.0047nF,0.25pF,50V,NP0,TP,10 | 2    | SA     |        |
| ...4  | AD480        | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,TP,1608     | 13   | SNA    |        |
| ...4  | AD480        | 2203-005659 | C-CER,CHIP;0.18nF,5%,50V,NP0,TP,1005     | 1    | SNA    |        |
| ...4  | AD480        | 2203-006048 | C-CER,CHIP;100nF,10%,10V,X7R,TP,1005     | 87   | SA     |        |
| ...4  | AD480        | 2203-006126 | C-CER,CHIP;47nF,10%,16V,X7R,TP,1005      | 12   | SNA    |        |
| ...4  | AD480        | 2203-006324 | C-CER,CHIP;2200nF,10%,10V,X5R,TP,1608    | 5    | SA     |        |
| ...4  | AD480        | 2203-006348 | C-CER,CHIP;1000nF,10%,25V,X5R,TP,1608,0. | 4    | SA     |        |
| ...4  | AD480        | 2203-006361 | C-CER,CHIP;10000nF,10%,10V,X5R,TP,2012   | 4    | SC     |        |
| ...4  | AD480        | 2203-006474 | C-CER,CHIP;22000nF,20%,6.3V,X5R,TP,2012  | 14   | SA     |        |
| ...4  | AD480        | 2203-006562 | C-CER,CHIP;1000nF,10%,10V,X5R,TP,1005    | 17   | SNA    |        |
| ...4  | AD480        | 2203-006636 | C-CER,CHIP;220nF,10%,25V,X7R,TP,1608     | 2    | SA     |        |
| ...4  | AD480        | 2203-006890 | C-CER,CHIP;10000nF,20%,6.3V,X5R,TP,1608  | 34   | SNA    |        |
| ...4  | AD480        | 2203-007176 | C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012,1 | 6    | SNA    |        |
| ...4  | AD480        | 2203-007240 | C-CER,CHIP;22000nF,20%,6.3V,X5R,TP,1608( | 2    | SA     |        |
| ...4  | AD480        | 2203-007269 | C-CER,CHIP;22000nF,20%,10V,X5R,TP,2012(2 | 4    | SA     |        |
| ...4  | AD480        | 2203-007270 | C-CER,CHIP;10000nF,10%,10V,X5R,TP,1608,0 | 5    | SNA    |        |
| ...4  | AD480        | 2203-007306 | C-CER,CHIP;10000nF,10%,25V,X5R,TP,2012,1 | 1    | SNA    |        |
| ...4  | AD480        | 2203-007544 | C-CER,CHIP;100nF,10%,50V,X7R,TP,1005,0.5 | 2    | SA     |        |

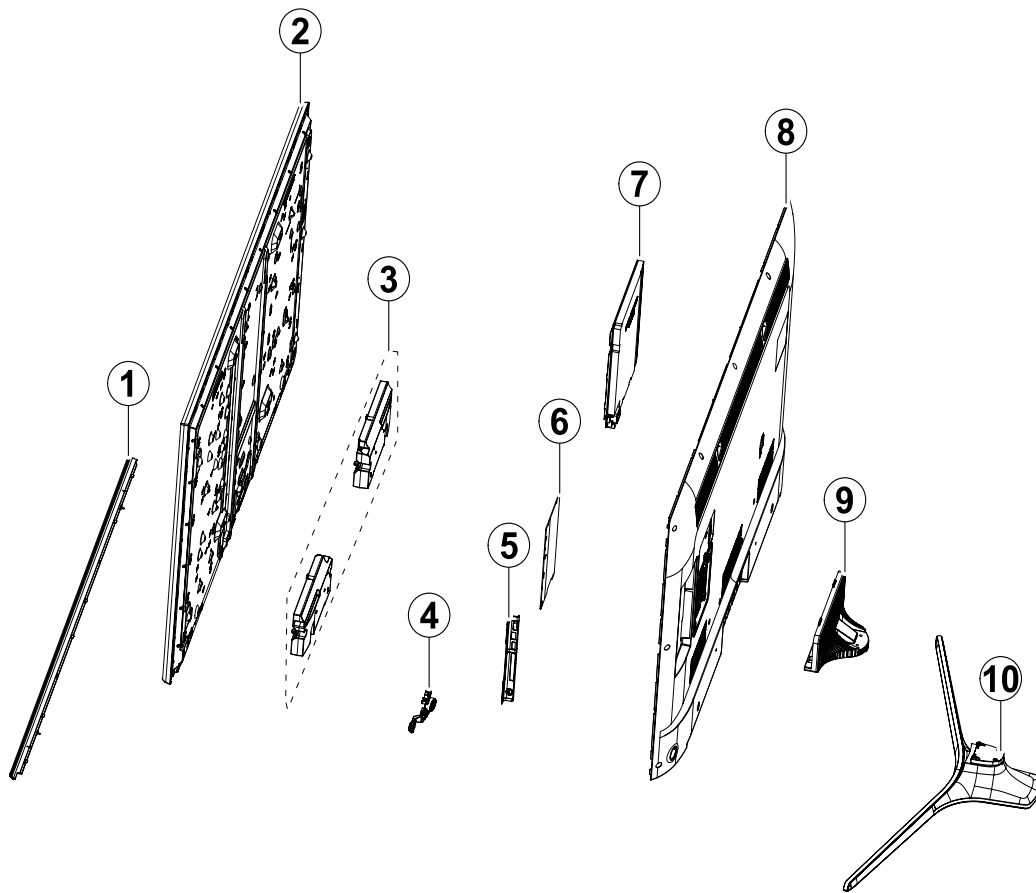
## ANNEX. Exploded View &amp; Part List

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ...4  |              | 2503-001051 | C-NETWORK;100nFx4,20%,16V,2012           | 1    | SA     |        |
| ...4  |              | 2703-000158 | INDUCTOR-SMD;1uH,10%,2012,.4Ohm,50mA,45, | 3    | SA     |        |
| ...4  |              | 2703-000213 | INDUCTOR-SMD;470nH,10%,1608,1.35Ohm,35mA | 1    | SA     |        |
| ...4  |              | 2703-001209 | INDUCTOR-SMD;1.2uH,10%,1608,.8Ohm,25mA,3 | 3    | SA     |        |
| ...4  |              | 2703-002332 | INDUCTOR-SMD;330nH,5%,1608,3Ohm,100mA,32 | 1    | SA     |        |
| ...4  |              | 2703-003149 | INDUCTOR-SMD;2.2uH,20%,5050,0.055Ohm,300 | 1    | SA     |        |
| ...4  |              | 2703-003790 | INDUCTOR-SMD;4.7uH,20%,8080,0.025ohm,450 | 1    | SA     |        |
| ...4  |              | 2703-003930 | INDUCTOR-SMD;4.7uH,20%,5050,0.072Ohm,245 | 4    | SA     |        |
| ...4  |              | 2703-004145 | INDUCTOR-SMD;2.2uH,20%,6.5 x 6.9mm,0.20o | 1    | SNA    |        |
| ...4  |              | 2801-003773 | CRYSTAL-SMD;12MHz,30ppm,28-AAN,20pF,50oh | 1    | SA     |        |
| ...4  |              | 3301-002039 | BEAD-SMD;26ohm,1608,TP                   | 45   | SA     |        |
| ...4  |              | 3701-001861 | CONNECTOR-HDMI;19P,FEMALE,AU,0.5mm,BLK,S | 2    | SA     |        |
| ...4  |              | 3707-001106 | CONNECTOR-OPTICAL;STRAIGHT W/L,SPDIF     | 1    | SA     |        |
| ...4  |              | 3708-003073 | CONNECTOR-FPC/FFC/PIC;51P,0.5mm,SMD,AU,N | 1    | SA     |        |
| ...4  |              | 3709-001712 | CONNECTOR-CARD SLOT;68P,1.27mm,ANGLE,AU, | 1    | SA     |        |
| ...4  | EH01         | 3711-008131 | HEADER-BOARD TO CABLE;BOX,4P,1R,2.5mm,AN | 1    | SA     |        |
| ...4  | EH01         | 3711-008521 | HEADER-BOARD TO CABLE;BOX,8P,1R,2mm,ANGL | 1    | SA     |        |
| ...4  | EH01         | 3711-008634 | HEADER-BOARD TO CABLE;BOX,10P,2R,2mm,ANG | 1    | SA     |        |
| ...4  |              | 3722-003457 | JACK-USB;4P/1C,NI,BLK,A                  | 1    | SA     |        |
| ...4  | JACK PIN     | 3722-003546 | JACK-PIN;5P+Screw hole,NI+SN,G,Y/BLU/RED | 1    | SA     |        |
| ...4  |              | 3722-003655 | JACK-SCART;21P,SN,BLK                    | 1    | SA     |        |
| ...4  |              | 3722-003667 | JACK-PHONE;1P/7C,SN/NI,BLK,STRAIGHT,3.6P | 1    | SA     |        |
| ...4  | ET01         | BN40-00282A | TUNER;DTOS40EIH276A,DTOS40EIH276A,DVB-TC | 1    | SA     |        |
| ...4  |              | BN41-02098B | PCB MAIN;1.2T,122*193.5,1                | 1    | SNA    |        |
| ...4  |              | BN97-07377F | ASSY MICOM-SUB;T-NT14LDEUS-1002,2014.02. | 1    | SNA    |        |
| ....5 |              | 1107-002226 | IC-NOR FLASH;W25Q40CLSSIP,4Mbit,SOIC,8P, | 1    | SA     |        |
| ...4  |              | BN97-07377H | ASSY MICOM;T-NT14LDEUC-XXXX,F59L1G81A-25 | 1    | SNA    |        |
| ....5 |              | 1107-002252 | IC-NAND FLASH;F59L1G81A-25TIG,1Gbit,128M | 1    | SA     |        |
| ....5 |              | BN46-00371C | S/W-E-MANUAL;NT14L,EU2,XH                | 1    | SNA    |        |
| ....5 |              | BN46-00377A | S/W MICOM;T-NT14LDEUC-XXXX,2013.10.23    | 1    | SNA    |        |
| ..3   | T0066        | BP62-00017A | HEAT SINK-ES;SP-50L2HX,A6063S,T2.0,26.2, | 1    | SNA    |        |
| 1     |              | BN91-14283F | ASSY SHIELD;UJ5000,32"                   | 1    | SNA    |        |
| 0.2   | SCREW        | 6001-003081 | SCREW-MACHINE;PWH,+,M3,L5,ZPC(WHT),SWRCH | 8    | SA     |        |
| 0.2   |              | BN02-00102B | TAPE-FILAMENT;#8917,0.15,25,50,WHITE     | 0    | SNA    |        |
| 0.2   | M-F          | BN39-01873K | LEAD CONNECTOR-FUNCTION;UH5000,Lead Conn | 1    | SA     |        |
| 0.2   | EC13         | BN39-01884C | LEAD CONNECTOR;UN28H4200AF,Lead Connecto | 1    | SA     |        |
| 0.2   | EC13         | BN39-01885A | LEAD CONNECTOR;UN32H4200AF,Flat Connecto | 1    | SA     |        |
| 0.2   | P001A        | BN44-00697A | DC VSS-LED TV PD BD;L32SF_ESM,L32SF_ESM, | 1    | SA     |        |
| 0.2   | CD01A        | BN95-01391A | ASSY DECORATION SMT;5000,32,LIGHT TITAN  | 1    | SC     |        |
| ..3   |              | 0203-001269 | TAPE-OPP MASKING;#301,T0.06,W75,L50000,N | 0    | SNA    |        |
| ..3   |              | 0204-002420 | SOLVENT;1M-1000,C3H7OH,96                | 0    | SNA    |        |
| ..3   |              | BN01-00160A | TARGET-CHROMIUM-CY;Chromium target,99.95 | 0    | SNA    |        |
| ..3   |              | BN01-00161A | TARGET-CHROMIUM-PL;chromium target,over  | 0    | SNA    |        |
| ..3   |              | BN02-00353A | COATING-AFS;SSVD-39,2%,1~10 cps,1.78     | 2    | SNA    |        |
| ..3   | FD01         | BN63-11609A | COVER-DECORATION;UH5000 32",PC+ABS+G/F15 | 1    | SNA    |        |
| ...4  |              | 0103-010275 | RESIN PC ABS;235GNH15/6919H,Black,BK0007 | 74   | SNA    |        |
| ..3   |              | BN63-13128M | SHEET-COVER;LED,PET,0.05,21,100,300g,ST- | 1    | SNA    |        |

| Level | Location No. | Code No.    | Description & Specification                  | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ..3   |              | BN68-03920A | LABEL BOX;All Monitor,ART-PAPER 100G,WHT     | 1    | SNA    |        |
| ..3   |              | BN69-10522A | P/TRAY;-,-,30,535,750,PAPER,-,-,-,TRAY 32"   | 1    | SNA    |        |
| ..3   |              | BN69-10523A | BOX UNIT-SMT;32" SMT DECORATION,PAPER,-,-    | 1    | SNA    |        |
| 0.2   | LVDS         | BN96-27044P | ASSY CABLE P-FFC;NT14L 32H5000,LVDS CABL     | 1    | SA     |        |
| 0.2   | SP01A        | BN96-30336B | ASSY SPEAKER P;6ohm,10W,Enclosure_H5k        | 1    | SA     |        |
| 0.2   | FB01A        | BN96-30902B | ASSY BOARD P-FUNCTION;UH5000,Function As     | 1    | SA     |        |
| 1     |              | BN92-16881D | ASSY LABEL;UH5C                              | 1    | SNA    |        |
| 0.2   |              | 0203-001598 | TAPE-FILAMENT;#8915,0.15,12,55000,CLR        | 0    | SNA    |        |
| 0.2   |              | BN68-06708D | LABEL RATING;ALL,SS,PP,T0.05,93,73,Silve     | 1    | SNA    |        |
| 0.2   |              | BN68-07035Y | LEAFLET-02;UJ5100/UJ5120/UJ5105,32"40" 4     | 1    | SNA    |        |
| 1     |              | BN92-17089N | ASSY BOX;UJ5000,32"                          | 1    | SNA    |        |
| 0.2   |              | BH68-00662A | LABEL BOX-01;ALL MODEL,ART PAPER,60,110,     | 1    | SNA    |        |
| 0.2   |              | BN68-05640A | LABEL-03,BOX;ALL MODEL,ART PAPER 90G,110     | 1    | SNA    |        |
| 0.2   |              | BN69-12410B | BOX UNIT;32J5000-VS,CB,A-01,SW2,YEL,W891     | 1    | SNA    |        |
| 1     |              | BN92-17096C | ASSY P/MATERIAL;UJ5000,32"                   | 1    | SNA    |        |
| 0.2   |              | 6902-001953 | BAG ROLL;HDPE/PE FOAM,HDPE T0.018mm,T0.2     | 2    | SNA    |        |
| 0.2   |              | 6902-002233 | BAG AIR;LDPE,-,-,T0.2,W900,L1850,TRP,-,-,-   | 1    | SNA    |        |
| 0.2   |              | 6922-000003 | BAND;PP,T0.8,W18,L1650M,TRP,DA69-90145A      | 0    | SNA    |        |
| 0.2   |              | BN02-00319B | TAPE OPP;OPP,T0.05,W75,L800m,CLEAR           | 2    | SNA    |        |
| 0.2   |              | BN68-02422B | LABEL-WARNING SHIPPING;ALL MODEL,A/P,T0.     | 1    | SNA    |        |
| 0.2   |              | BN69-00257B | PAD;-,-,PAPER,-,-,CB-SW4,1130,820,-,-,-,YE   | 1    | SNA    |        |
| 0.2   |              | BN69-03982N | PAD PACKING-EDGE;EDGE,PAPER,-,-,T5,W120,L2   | 1    | SNA    |        |
| 0.2   |              | BN69-05418N | WRAP;T0.017,750,2000000,2000000,750          | 0    | SNA    |        |
| 0.2   |              | BN69-06640E | PAD-TRUCK PAD;TRUCK PAD,PAPER,-,-,DW-BC,41   | 1    | SNA    |        |
| 0.2   |              | BN69-07609M | PALLET-D-LED;-,-,WOOD,-,-,1180,930,141,13260 | 1    | SNA    |        |
| 0.2   |              | BN69-12419A | CUSHION SET;32J5000-VS,EPS,16.7g/L           | 1    | SNA    |        |
| ..3   |              | 0103-005099 | RESIN EPS;BASF303,Natural,Natural            | 240  | SNA    |        |
| 1     | ACCE1        | BN92-18220L | ASSY ACCESSORY;UJ4*                          | 1    | SNA    |        |
| 0.2   |              | BN68-05417A | LABEL-02,ENERGY;ALL,EDC,PP,T0.135,60,125     | 1    | SNA    |        |
| 0.2   |              | BN96-36891L | ASSY ACCESSORY MANUAL;J4*                    | 1    | SNA    |        |
| ..3   |              | 6902-001964 | BAG PE;LDPE,BIOBASED,T0.03,W200,L300,TRP     | 1    | SNA    |        |
| ..3   |              | BN68-03548J | LEAFLET-08,WARRANTY CARD;comm,Samsung,17     | 1    | SNA    |        |
| ..3   |              | BN68-04972A | MANUAL FLYER-09,REGULATORY GUI;ALL,SAMSU     | 1    | SNA    |        |
| ..3   |              | BN68-05730D | LEAFLET-FICHE CARD;NT14L REFRSH,EUROPE,M     | 1    | SNA    |        |
| ..3   |              | BN68-06489W | MANUAL USERS-01;J5100 J4100,XH,ENG/POL/S     | 1    | SNA    |        |
| 0.2   |              | BN96-36896A | ASSY ACCESSORY CABLE;J4*                     | 1    | SNA    |        |
| ..3   | T0268        | 3903-000849 | CBF-POWER CORD;DT,CEE,LP-21L,250V,2.5A,B     | 1    | SC     |        |
| ..3   |              | 4301-000121 | BATTERY-MN;1.5V,R03,10.5x44.5m,7.5g,AAA      | 2    | SNA    |        |
| ..3   |              | 6902-001965 | BAG PE;LDPE,BIOBASED,T0.05,W200,L300,TRP     | 1    | SNA    |        |
| ..3   | REMO2        | AA59-00741A | REMOCON;TM1240,44,3.0V,F5020/EU              | 1    | SA     |        |
| ..3   | HOLDER-WIRE  | BN61-08370A | HOLDER-WIRE STAND;26UE4000 GUIDE STAND,P     | 1    | SA     |        |
| ..3   | T0527        | BN68-00513A | LABEL-E,PASS;ALL MODEL,YUPO(110G),BLACK,     | 1    | SNA    |        |

## ANNEX. Exploded View & Part List [UE50J5100AWXXH DH01]

### 1-1. Exploded View



### 1-1-1. Parts List

| No. | Code No.    | Description & Specification               | Q'ty | SA/SNA | Remark |
|-----|-------------|---|------|--------|--------|
| 1   | BN95-01394A | ASSY DECORATION SMT; 5000,50,LIGHT TITAN  | 1    | SA     |        |
| 2   | BN07-01359A | LCD-PANEL; GH050BGA-B1,BHGBBA1,8bit,50,16 | 1    | SA     |        |
| 3   | BN96-30334A | ASSY SPEAKER P; 6ohm,10W,Enclosure_H5k    | 1    | SA     |        |
| 4   | BN96-30902B | ASSY BOARD P-FUNCTION; UH5000,Function As | 1    | SA     |        |
| 5   | BN61-09059A | HOLDER-SIDE AV; UF6100,HIPS,BK0020,HB,EO/ | 1    | SNA    |        |
| 6   | BN94-08116H | ASSY PCB MAIN; UH5C                       | 1    | SA     |        |
| 7   | BN44-00704A | DC VSS-LED TV PD BD; L55S1_EHS,L55S1_EHS, | 1    | SC     |        |
| 8   | BN96-30582A | ASSY COVER P-REAR; H5000 50,EO,PC+ABS,V1, | 1    | SA     |        |
| 9   | BN96-35223A | ASSY GUIDE P-STAND; J5500 40",PC+GF20%,V2 | 1    | SA     |        |
| 10  | BN96-35225B | ASSY STAND P-BASE; J5500 48",PC+ABS+GF20  | 1    | SA     |        |

## 2-1. Electrical Parts List

Service Bom (SA: SERVICE AVAILABLE, SNA: SERVICE NOT AVAILABLE)

| Level | Location No. | Code No.    | Description & Specification              | Q'ty  | SA/SNA | Remark |
|-------|--------------|-------------|--|-------|--------|--------|
|       |              |             | UE50J5100AWXXH (DH01)                    |       |        |        |
| 1     |              | BN90-05474F | ASSY W/I;UH5000                          | 1     | SNA    |        |
| 0.2   |              | BN81-08159Z | PART SET-ELEC W/I;UF**,UH**,UG**,ELEC    | 1     | SNA    |        |
| 0.2   |              | BN81-08368E | PART SET-MECH W/I;UH5C,U50HC*            | 1     | SNA    |        |
| 1     | R001A        | BN90-06537Q | ASSY COVER REAR;UJ5000,50"               | 1     | SNA    |        |
| 0.2   | SCREW        | 6001-003074 | SCREW-MACHINE;BH,+,M3,L6,ZPC(BLK),SWRCH1 | 18    | SA     |        |
| 0.2   | SCREW        | 6003-001782 | SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR | 2     | SA     |        |
| 0.2   | R001A        | BN96-30582A | ASSY COVER P-REAR;H5000 50,E0,PC+ABS,V1, | 1     | SA     |        |
| ..3   | R001         | BN63-11621A | COVER-REAR;UH5000 50",PC+ABS,V1,BLK,E0   | 1     | SNA    |        |
| ..3   |              | BN68-05650C | LABEL-TERMINAL SIDE;UH5K,PET,T0.125,W14. | 1     | SNA    |        |
| 1     | S001A        | BN90-06671B | ASSY STAND;UJ5000,50"                    | 1     | SNA    |        |
| 0.2   | SG01A        | BN96-35223A | ASSY GUIDE P-STAND;J5500 40",PC+GF20%,V2 | 1     | SA     |        |
| ..3   | SG03         | BN61-11465A | GUIDE-STAND;J5100/5500 40",PC+GF20%,V2   | 1     | SA     |        |
| ...4  |              | 0103-007285 | RESIN PC;HF3200H,K21294,BK0007,V2        | 1.5mm | 330    |        |
| ..3   |              | BN96-32380B | ASSY ACCESSORY-SCREW;BN69-10588A,BN61-09 | 2     | SNA    |        |
| ...4  | HOLDER-BOLT  | BN61-09494D | HOLDER-BOLT;BH+,SWRCH18A,L14,M4,B TYPE   | 8     | SA     |        |
| ...4  |              | BN69-10588A | BAG SCREW;LDPE,-,0.05,70,90,TRP,-,-,LED  | 2     | SNA    |        |
| 0.2   | SB04A        | BN96-35225B | ASSY STAND P-BASE;J5500 48",PC+ABS+GF20  | 1     | SA     |        |
| ..3   |              | 0203-001499 | TAPE-OPP;T0.04,W15,,TRP                  | 0     | SNA    |        |
| ..3   | SCREW        | 6003-001001 | SCREW-TAPTYPE;FH,+,B,M3,L8,ZPC(BLK),SW   | 2     | SA     |        |
| ..3   | HOLDER-BOLT  | BN61-09494D | HOLDER-BOLT;BH+,SWRCH18A,L14,M4,B TYPE   | 2     | SA     |        |
| ..3   |              | BN61-11431A | BRACKET-STAND BAR;Y15 F-LED J5100/5500 4 | 1     | SNA    |        |
| ..3   | AS080        | BN63-04755L | SHEET-COVER;22LC350,PE,T0.05,W130mm,200M | 1     | SNA    |        |
| ..3   |              | BN63-13259A | COVER-STAND BASE;Y15 F-LED J5100/5500 48 | 1     | SNA    |        |
| ...4  |              | 0103-009946 | RESIN PC ABS;HM-1200,BLACK,BK0007,V1     | 410   | SNA    |        |
| ...4  |              | BN68-00513D | LABEL-RESIN;resin,-,art paper,-,10,25,-, | 1     | SNA    |        |
| ..3   |              | BN63-13263B | COVER-DECORATION STAND;J5100/5300 48",AB | 1     | SNA    |        |
| ...4  |              | 0103-005041 | RESIN PC ABS;FR3200TV,901408,BK0008,1.2m | 90    | SNA    |        |
| ..3   |              | BN67-00327M | RUBBER-FOOT;STAND,SILICON,10*10,T1.5,GRA | 2     | SNA    |        |
| ..3   |              | BN67-00398P | RUBBER-FOOT;RUBBER,SILICONE,15.5*8,2.5,G | 5     | SNA    |        |
| ..3   |              | BN68-05603A | LABEL-E,PASS;ALL MODEL,ART PAPER 90G,60, | 1     | SNA    |        |
| 1     |              | BN91-12300A | ASSY LCD;BN07-01359A                     | 1     | SNA    |        |
| 0.2   | PANEL        | BN07-01359A | LCD-PANEL;GH050BGA-B1,BHGBBA1,8bit,50,16 | 1     | SA     |        |
| ..3   | TCON         | BN96-30390A | ASSY T CON P;T500HVN09.0,10bit,50 inch,F | 1     | SNA    |        |
| 1     | M0017        | BN91-13225H | ASSY CHASSIS;UH5C                        | 1     | SNA    |        |
| 0.2   | M0014        | BN94-08116H | ASSY PCB MAIN;UH5C                       | 1     | SA     |        |
| ..3   |              | BN61-09059A | HOLDER-SIDE AV;UF6100,HIPS,BK0020,HB,E0/ | 1     | SNA    |        |
| ...4  |              | 0103-004628 | RESIN HIPS;HF-1690H,K2901,BK0020,1.5mm H | 13    | SNA    |        |
| ..3   |              | BN67-00364C | RUBBER-FOOT;X13,RUBBER,10*10,6,Gray,SQUA | 1     | SNA    |        |
| ..3   | FB01A        | BN97-07120D | ASSY DRM-KEY;NT14L_DRM-KEY(CI+)          | 1     | SNA    |        |
| ...4  |              | BN46-00328B | KEY CODE-CERTIFI;CI+,TV,NT14, EU         | 1     | SNA    |        |
| ..3   |              | BN97-07960B | ASSY SMD-MAIN;UH5C                       | 1     | SNA    |        |

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ...4  |              | 0202-001899 | SOLDER-CREAM;M705-GRN360-K2-VT,20-38um,S | 3    | SNA    |        |
| ...4  | DS01A        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | SA     |        |
| ...4  | DS01A        | 0401-001116 | DIODE-SWITCHING;BAV99DW,75V,215mA,SOT-36 | 2    | SA     |        |
| ...4  |              | 0403-001552 | DIODE-ZENER;DDZ16,15.69/16.51V,500mW,SOD | 1    | SA     |        |
| ...4  |              | 0403-001783 | DIODE-ZENER;BZB84-C6V2,5.8/6.6V,300mW,SO | 5    | SNA    |        |
| ...4  |              | 0403-001784 | DIODE-ZENER;NZH7V5C,7.29/7.67V,500mW,SOD | 1    | SNA    |        |
| ...4  |              | 0403-001785 | DIODE-ZENER;NZH5V1B,4.94/5.2V,500mW,SOD- | 1    | SA     |        |
| ...4  |              | 0403-001797 | DIODE-ZENER;NZH3V0B,2.85/3.15V,500mW,SOD | 1    | SNA    |        |
| ...4  |              | 0404-001404 | DIODE-SCHOTTKY;BAT721C,40V,200mA,SOT-23, | 2    | SA     |        |
| ...4  |              | 0406-001200 | DIODE-TVS;RCLAMP0504F,6/-V,150W,SC-70    | 1    | SA     |        |
| ...4  |              | 0406-001628 | DIODE-TVS;AOZ8804ADI,6/-V,150W,SLP2510   | 4    | SA     |        |
| ...4  |              | 0501-000279 | TR-SMALL SIGNAL;KSA1182-Y,PNP,150mW,SOT- | 1    | SA     |        |
| ...4  |              | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 6    | SC     |        |
| ...4  |              | 0505-002560 | FET-SILICON;AO6415,P,-20V,-3.3A,0.15ohm, | 3    | SA     |        |
| ...4  |              | 0505-003397 | FET-SILICON;2N7002K,N,60V,380mA,1.19ohm, | 6    | SA     |        |
| ...4  |              | 0801-002780 | IC-CMOS LOGIC;74LVC1G17,SCHMITT-TRIGGER  | 2    | SA     |        |
| ...4  |              | 0801-003330 | IC-CMOS LOGIC;Octal buffer,DQFN,20P,4.5x | 1    | SA     |        |
| ...4  |              | 1001-001860 | IC-ANALOG SWITCH;NX5L2750CGU,QFN,10P,1.4 | 1    | SNA    |        |
| ...4  |              | 1103-001531 | IC-EEPROM;S-24C256CI-J8T1U4,256Kbit,32Kx | 1    | SA     |        |
| ...4  |              | 1105-002527 | IC-DDR3 SDRAM;K4B2G1646Q-BCK0,DDR3,2Gbit | 1    | SA     |        |
| ...4  |              | 1201-003183 | IC-AUDIO AMP;DRV612,HTSSOP,14P,5x4.4mm,D | 1    | SA     |        |
| ...4  |              | 1201-003671 | IC-AUDIO AMP;NTP7414,MLF,48P,7x7mm,DUAL, | 1    | SA     |        |
| ...4  |              | 1203-004363 | IC-VOL. DETECTOR;SOT-23,3Z30,2.9x1.6mm,P | 1    | SA     |        |
| ...4  |              | 1203-006017 | IC-VOL. DETECTOR;RT9824GJ8,TSOT23,8P,2.9 | 1    | SA     |        |
| ...4  |              | 1203-006130 | IC-POS.FIXED REG.;S-1172B25-U5T1G,SOT-8  | 1    | SA     |        |
| ...4  |              | 1203-007694 | IC-DC/DC CONVERTER;SN1106041DDAR,DDA,8Z3 | 2    | SA     |        |
| ...4  |              | 1203-007984 | IC-DC/DC CONVERTER;AOZ3015PI,SO-8,8P,6.2 | 1    | SA     |        |
| ...4  |              | 1203-008103 | IC-POS.FIXED REG.;S-13A1D15-E800,HSOP,8  | 1    | SNA    |        |
| ...4  |              | 1203-008104 | IC-POS.FIXED REG.;S-13A1D18-E800,HSOP,8  | 1    | SNA    |        |
| ...4  |              | 1203-008105 | IC-POS.FIXED REG.;S-13A1D33-E800,HSOP,8  | 1    | SNA    |        |
| ...4  |              | 1204-003492 | IC-DECODER;SENK14,LFBGA,624P,21x21mm,PLA | 1    | SA     |        |
| ...4  |              | 1205-004447 | IC-SWITCH;TPS2051CDBVR,SOT23-5,5P,3x1.65 | 2    | SA     |        |
| ...4  |              | 1405-001271 | VARIATOR;35V,20Vdc,5A,1.0x0.5x0.6mm,TP,1 | 26   | SA     |        |
| ...4  |              | 2007-000137 | R-CHIP;2Kohm,5%,1/16W,TP,1005            | 5    | SNA    |        |
| ...4  |              | 2007-000138 | R-CHIP;100ohm,5%,1/16W,TP,1005           | 21   | SA     |        |
| ...4  |              | 2007-000142 | R-CHIP;2.7Kohm,5%,1/16W,TP,1005          | 3    | SNA    |        |
| ...4  |              | 2007-000143 | R-CHIP;4.7Kohm,5%,1/16W,TP,1005          | 42   | SNA    |        |
| ...4  |              | 2007-000148 | R-CHIP;10Kohm,5%,1/16W,TP,1005           | 34   | SA     |        |
| ...4  |              | 2007-000153 | R-CHIP;22Kohm,5%,1/16W,TP,1005           | 9    | SNA    |        |
| ...4  |              | 2007-000157 | R-CHIP;47Kohm,5%,1/16W,TP,1005           | 6    | SNA    |        |
| ...4  |              | 2007-000162 | R-CHIP;100Kohm,5%,1/16W,TP,1005          | 6    | SNA    |        |
| ...4  |              | 2007-000168 | R-CHIP;470Kohm,5%,1/16W,TP,1005          | 3    | SNA    |        |
| ...4  |              | 2007-000171 | R-CHIP;0ohm,5%,1/16W,TP,1005             | 5    | SNA    |        |
| ...4  |              | 2007-000172 | R-CHIP;10ohm,5%,1/16W,TP,1005            | 2    | SNA    |        |
| ...4  |              | 2007-000173 | R-CHIP;22ohm,5%,1/16W,TP,1005            | 10   | SNA    |        |
| ...4  |              | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005            | 2    | SNA    |        |
| ...4  |              | 2007-000256 | R-CHIP;1.6Kohm,1%,1/10W,TP,1608          | 1    | SA     |        |

## ANNEX. Exploded View &amp; Part List

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ...4  |              | 2007-000475 | R-CHIP;1Mohm,1%,1/10W,TP,1608            | 1    | SA     |        |
| ...4  |              | 2007-000691 | R-CHIP;3.3Mohm,5%,1/10W,TP,1608          | 1    | SA     |        |
| ...4  |              | 2007-000695 | R-CHIP;3.3ohm,5%,1/10W,TP,1608           | 4    | SNA    |        |
| ...4  |              | 2007-000775 | R-CHIP;33Kohm,5%,1/16W,TP,1005           | 2    | SNA    |        |
| ...4  |              | 2007-000931 | R-CHIP;470ohm,5%,1/8W,TP,2012            | 1    | SC     |        |
| ...4  |              | 2007-000932 | R-CHIP;470ohm,5%,1/16W,TP,1005           | 7    | SNA    |        |
| ...4  |              | 2007-001168 | R-CHIP;75ohm,5%,1/4W,TP,3216             | 1    | SA     |        |
| ...4  |              | 2007-001292 | R-CHIP;33ohm,5%,1/16W,TP,1005            | 12   | SNA    |        |
| ...4  |              | 2007-001298 | R-CHIP;51ohm,5%,1/16W,TP,1005            | 2    | SNA    |        |
| ...4  |              | 2007-001313 | R-CHIP;330ohm,5%,1/16W,TP,1005           | 2    | SNA    |        |
| ...4  |              | 2007-001325 | R-CHIP;3.3Kohm,5%,1/16W,TP,1005          | 1    | SNA    |        |
| ...4  |              | 2007-003025 | R-CHIP;6.8ohm,5%,1/16W,TP,1005           | 2    | SA     |        |
| ...4  |              | 2007-007095 | R-CHIP;390ohm,5%,1/16W,TP,1005           | 1    | SA     |        |
| ...4  |              | 2007-007107 | R-CHIP;100Kohm,1%,1/16W,TP,1005          | 1    | SNA    |        |
| ...4  |              | 2007-007108 | R-CHIP;43.2Kohm,1%,1/16W,TP,1005         | 1    | SA     |        |
| ...4  |              | 2007-007139 | R-CHIP;47Kohm,1%,1/16W,TP,1005           | 1    | SA     |        |
| ...4  |              | 2007-007142 | R-CHIP;10Kohm,1%,1/16W,TP,1005           | 2    | SNA    |        |
| ...4  |              | 2007-007156 | R-CHIP;1ohm,5%,1/16W,TP,1005             | 15   | SNA    |        |
| ...4  |              | 2007-007306 | R-CHIP;100ohm,1%,1/16W,TP,1005           | 4    | SNA    |        |
| ...4  |              | 2007-007309 | R-CHIP;12Kohm,1%,1/16W,TP,1005,0.35T     | 1    | SA     |        |
| ...4  |              | 2007-007311 | R-CHIP;22Kohm,1%,1/16W,TP,1005           | 1    | SA     |        |
| ...4  |              | 2007-007317 | R-CHIP;2.2Kohm,1%,1/16W,TP,1005          | 2    | SA     |        |
| ...4  |              | 2007-007318 | R-CHIP;1Kohm,1%,1/16W,TP,1005            | 17   | SNA    |        |
| ...4  |              | 2007-007517 | R-CHIP;240ohm,1%,1/16W,TP,1005           | 1    | SNA    |        |
| ...4  |              | 2007-007538 | R-CHIP;56Kohm,1%,1/16W,TP,1005           | 1    | SA     |        |
| ...4  |              | 2007-008015 | R-CHIP;75ohm,1%,1/16W,TP,1005            | 10   | SNA    |        |
| ...4  |              | 2007-008275 | R-CHIP;30Kohm,1%,1/16W,TP,1005           | 1    | SNA    |        |
| ...4  |              | 2007-008332 | R-CHIP;11.5Kohm,1%,1/16W,TP,1005         | 2    | SA     |        |
| ...4  |              | 2007-009138 | R-CHIP;33Kohm,1%,1/16W,TP,1005           | 2    | SNA    |        |
| ...4  |              | 2011-001261 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,2. | 2    | SA     |        |
| ...4  |              | 2011-001262 | R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,2. | 2    | SA     |        |
| ...4  |              | 2011-001344 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,2 | 6    | SA     |        |
| ...4  |              | 2011-001345 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,2 | 4    | SA     |        |
| ...4  |              | 2011-001396 | R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP, | 5    | SA     |        |
| ...4  |              | 2011-001449 | R-NETWORK;22ohm,5%,1/16W,L,4P,TP,1010    | 1    | SA     |        |
| ...4  |              | 2011-001527 | R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,4P,TP, | 1    | SNA    |        |
| ...4  | AD480        | 2203-000233 | C-CER,CHIP;0.1nF,5%,50V,C0G,TP,1005      | 9    | SA     |        |
| ...4  | AD480        | 2203-000278 | C-CER,CHIP;0.01nF,0.5pF,50V,C0G,TP,1005  | 1    | SA     |        |
| ...4  | AD480        | 2203-000359 | C-CER,CHIP;0.15nF,5%,50V,C0G,TP,1005,0.5 | 4    | SNA    |        |
| ...4  | AD480        | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,TP,1005       | 7    | SA     |        |
| ...4  | AD480        | 2203-000489 | C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1005     | 1    | SA     |        |
| ...4  | AD480        | 2203-000585 | C-CER,CHIP;0.22nF,10%,50V,X7R,TP,1005    | 1    | SA     |        |
| ...4  | AD480        | 2203-000627 | C-CER,CHIP;0.022nF,5%,50V,C0G,TP,1005    | 2    | SNA    |        |
| ...4  | AD480        | 2203-000714 | C-CER,CHIP;3.3nF,10%,50V,X7R,TP,1005     | 10   | SA     |        |
| ...4  | AD480        | 2203-000812 | C-CER,CHIP;0.033nF,5%,50V,C0G,TP,1005    | 1    | SA     |        |
| ...4  | AD480        | 2203-000940 | C-CER,CHIP;0.47nF,10%,50V,X7R,TP,1005    | 6    | SA     |        |
| ...4  | AD480        | 2203-000995 | C-CER,CHIP;0.047nF,5%,50V,C0G,TP,1005    | 3    | SA     |        |

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ...4  | AD480        | 2203-001412 | C-CER,CHIP;0.03nF,5%,50V,NP0,TP,1005     | 6    | SNA    |        |
| ...4  | AD480        | 2203-002285 | C-CER,CHIP;10nF,10%,50V,X7R,TP,1005      | 12   | SNA    |        |
| ...4  | AD480        | 2203-002443 | C-CER,CHIP;0.33nF,10%,50V,X7R,TP,1005    | 8    | SA     |        |
| ...4  | AD480        | 2203-005054 | C-CER,CHIP;0.0047nF,0.25pF,50V,NP0,TP,10 | 2    | SA     |        |
| ...4  | AD480        | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,TP,1608     | 13   | SNA    |        |
| ...4  | AD480        | 2203-005659 | C-CER,CHIP;0.18nF,5%,50V,NP0,TP,1005     | 1    | SNA    |        |
| ...4  | AD480        | 2203-006048 | C-CER,CHIP;100nF,10%,10V,X7R,TP,1005     | 87   | SA     |        |
| ...4  | AD480        | 2203-006126 | C-CER,CHIP;47nF,10%,16V,X7R,TP,1005      | 12   | SNA    |        |
| ...4  | AD480        | 2203-006324 | C-CER,CHIP;2200nF,10%,10V,X5R,TP,1608    | 5    | SA     |        |
| ...4  | AD480        | 2203-006348 | C-CER,CHIP;1000nF,10%,25V,X5R,TP,1608,0. | 4    | SA     |        |
| ...4  | AD480        | 2203-006361 | C-CER,CHIP;10000nF,10%,10V,X5R,TP,2012   | 4    | SC     |        |
| ...4  | AD480        | 2203-006474 | C-CER,CHIP;22000nF,20%,6.3V,X5R,TP,2012  | 14   | SA     |        |
| ...4  | AD480        | 2203-006562 | C-CER,CHIP;1000nF,10%,10V,X5R,TP,1005    | 17   | SNA    |        |
| ...4  | AD480        | 2203-006636 | C-CER,CHIP;220nF,10%,25V,X7R,TP,1608     | 2    | SA     |        |
| ...4  | AD480        | 2203-006890 | C-CER,CHIP;10000nF,20%,6.3V,X5R,TP,1608  | 34   | SNA    |        |
| ...4  | AD480        | 2203-007176 | C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012,1 | 6    | SNA    |        |
| ...4  | AD480        | 2203-007240 | C-CER,CHIP;22000nF,20%,6.3V,X5R,TP,1608( | 2    | SA     |        |
| ...4  | AD480        | 2203-007269 | C-CER,CHIP;22000nF,20%,10V,X5R,TP,2012(2 | 4    | SA     |        |
| ...4  | AD480        | 2203-007270 | C-CER,CHIP;10000nF,10%,10V,X5R,TP,1608,0 | 5    | SNA    |        |
| ...4  | AD480        | 2203-007306 | C-CER,CHIP;10000nF,10%,25V,X5R,TP,2012,1 | 1    | SNA    |        |
| ...4  | AD480        | 2203-007544 | C-CER,CHIP;100nF,10%,50V,X7R,TP,1005,0.5 | 2    | SA     |        |
| ...4  |              | 2503-001051 | C-NETWORK;100nFx4,20%,16V,2012           | 1    | SA     |        |
| ...4  |              | 2703-000158 | INDUCTOR-SMD;1uH,10%,2012,.40hm,50mA,45, | 3    | SA     |        |
| ...4  |              | 2703-000213 | INDUCTOR-SMD;470nH,10%,1608,1.35Ohm,35mA | 1    | SA     |        |
| ...4  |              | 2703-001209 | INDUCTOR-SMD;1.2uH,10%,1608,.8Ohm,25mA,3 | 3    | SA     |        |
| ...4  |              | 2703-002332 | INDUCTOR-SMD;330nH,5%,1608,3Ohm,100mA,32 | 1    | SA     |        |
| ...4  |              | 2703-003149 | INDUCTOR-SMD;2.2uH,20%,5050,0.055Ohm,300 | 1    | SA     |        |
| ...4  |              | 2703-003790 | INDUCTOR-SMD;4.7uH,20%,8080,0.025ohm,450 | 1    | SA     |        |
| ...4  |              | 2703-003930 | INDUCTOR-SMD;4.7uH,20%,5050,0.072Ohm,245 | 4    | SA     |        |
| ...4  |              | 2703-004145 | INDUCTOR-SMD;2.2uH,20%,6.5 x 6.9mm,0.20o | 1    | SNA    |        |
| ...4  |              | 2801-003773 | CRYSTAL-SMD;12MHz,30ppm,28-AAN,20pF,50oh | 1    | SA     |        |
| ...4  |              | 3301-002039 | BEAD-SMD;26ohm,1608,TP                   | 45   | SA     |        |
| ...4  |              | 3701-001861 | CONNECTOR-HDMI;19P,FEMALE,AU,0.5mm,BLK,S | 2    | SA     |        |
| ...4  |              | 3707-001106 | CONNECTOR-OPTICAL;STRAIGHT W/L,SPDIF     | 1    | SA     |        |
| ...4  |              | 3708-003073 | CONNECTOR-FPC/FFC/PIC;51P,0.5mm,SMD,AU,N | 1    | SA     |        |
| ...4  |              | 3709-001712 | CONNECTOR-CARD SLOT;68P,1.27mm,ANGLE,AU, | 1    | SA     |        |
| ...4  | EH01         | 3711-008131 | HEADER-BOARD TO CABLE;BOX,4P,1R,2.5mm,AN | 1    | SA     |        |
| ...4  | EH01         | 3711-008521 | HEADER-BOARD TO CABLE;BOX,8P,1R,2mm,ANGL | 1    | SA     |        |
| ...4  | EH01         | 3711-008634 | HEADER-BOARD TO CABLE;BOX,10P,2R,2mm,ANG | 1    | SA     |        |
| ...4  |              | 3722-003457 | JACK-USB;4P/1C,NI,BLK,A                  | 1    | SA     |        |
| ...4  | JACK PIN     | 3722-003546 | JACK-PIN;5P+Screw hole,NI+SN,G,Y/BLU/RED | 1    | SA     |        |
| ...4  |              | 3722-003655 | JACK-SCART;21P,SN,BLK                    | 1    | SA     |        |
| ...4  |              | 3722-003667 | JACK-PHONE;1P/7C,SN/NI,BLK,STRAIGHT,3.6P | 1    | SA     |        |
| ...4  | ET01         | BN40-00282A | TUNER;DTOS40EIH276A,DTOS40EIH276A,DVB-TC | 1    | SA     |        |
| ...4  |              | BN41-02098B | PCB MAIN;1.2T,122*193.5,1                | 1    | SNA    |        |
| ...4  |              | BN97-07377F | ASSY MICOM-SUB;T-NT14LDEUS-1002,2014.02. | 1    | SNA    |        |
| ....5 |              | 1107-002226 | IC-NOR FLASH;W25Q40CLSSIP,4Mbit,SOIC,8P, | 1    | SA     |        |

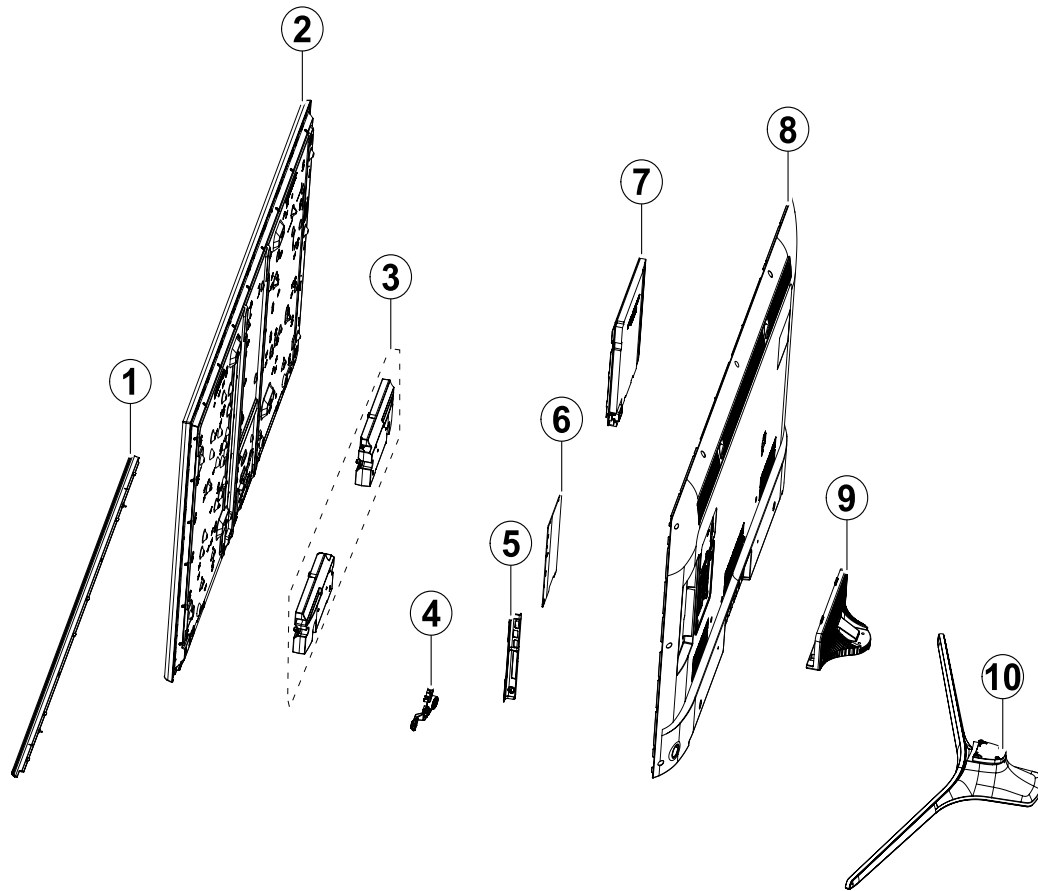
ANNEX. Exploded View & Part List

| Level | Location No. | Code No.    | Description & Specification                | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ...4  |              | BN97-07377H | ASSY MICOM;T-NT14LDEUC-XXXX,F59L1G81A-25   | 1    | SNA    |        |
| ....5 |              | 1107-002252 | IC-NAND FLASH;F59L1G81A-25TIG,1Gbit,128M   | 1    | SA     |        |
| ....5 |              | BN46-00371C | S/W-E-MANUAL;NT14L,EU2,XH                  | 1    | SNA    |        |
| ....5 |              | BN46-00377A | S/W MICOM;T-NT14LDEUC-XXXX,2013.10.23      | 1    | SNA    |        |
| ..3   | T0066        | BP62-00017A | HEAT SINK-ES;SP-50L2HX,A6063S,T2.0,26.2,   | 1    | SNA    |        |
| 1     |              | BN91-14286N | ASSY SHIELD;UJ5000,50"                     | 1    | SNA    |        |
| 0.2   | SCREW        | 6001-003081 | SCREW-MACHINE;PWH,+,M3,L5,ZPC(WHT),SWRCH   | 8    | SA     |        |
| 0.2   |              | BN02-00102B | TAPE-FILAMENT;#8917,0.15,25,50,WHITE       | 0    | SNA    |        |
| 0.2   | M-F          | BN39-01873H | LEAD CONNECTOR-FUNCTION;8p / 9p,Black,08   | 1    | SA     |        |
| 0.2   | EC13         | BN39-01884B | LEAD CONNECTOR;UN40H5200AF,Lead Connecto   | 1    | SA     |        |
| 0.2   | EC13         | BN39-01885N | LEAD CONNECTOR;DBD_55",Flat Connector*,U   | 1    | SA     |        |
| 0.2   | P001A        | BN44-00704A | DC VSS-LED TV PD BD;L55S1_EHS,L55S1_EHS,   | 1    | SC     |        |
| 0.2   | CD01A        | BN95-01394A | ASSY DECORATION SMT;5000,50,LIGHT TITAN    | 1    | SA     |        |
| ..3   |              | 0203-001269 | TAPE-OPP MASKING;#301,T0.06,W75,L50000,N   | 0    | SNA    |        |
| ..3   |              | 0204-002420 | SOLVENT;1M-1000,C3H7OH,96                  | 0    | SNA    |        |
| ..3   |              | BN01-00160A | TARGET-CHROMIUM-CY;Chromium target,99.95   | 0    | SNA    |        |
| ..3   |              | BN01-00161A | TARGET-CHROMIUM-PL;chromium target,over    | 0    | SNA    |        |
| ..3   |              | BN02-00353A | COATING-AFS;SSVD-39,2%,1~10 cps,1.78       | 3    | SNA    |        |
| ..3   | FD01         | BN63-11612A | COVER-DECORATION;UH5000 50",PC+ABS+G/F15   | 1    | SNA    |        |
| ...4  |              | 0103-010275 | RESIN PC ABS;235GNH15/6919H,Black,BK0007   | 116  | SNA    |        |
| ..3   |              | BN63-13128M | SHEET-COVER;LED,PET,0.05,21,100,300g,ST-   | 1    | SNA    |        |
| ..3   |              | BN68-03920A | LABEL BOX;All Monitor,ART-PAPER 100G,WHT   | 1    | SNA    |        |
| ..3   |              | BN69-10522D | P/TRAY;-,-,305,501,160,PAPER,-,-,-,TRAY 48 | 1    | SNA    |        |
| ..3   |              | BN69-10523E | BOX UNIT-SMT;48"-50" SMT DECORATION,PAPE   | 1    | SNA    |        |
| 0.2   | SP01A        | BN96-30334A | ASSY SPEAKER P;6ohm,10W,Enclosure_H5k      | 1    | SA     |        |
| 0.2   | FB01A        | BN96-30902B | ASSY BOARD P-FUNCTION;UH5000,Function As   | 1    | SA     |        |
| 0.2   | FL06         | BN96-31530R | ASSY CABLE P-FFC;NT14L 50H5000,LVDS CABL   | 1    | SA     |        |
| 1     |              | BN92-16881G | ASSY LABEL;UH5C                            | 1    | SNA    |        |
| 0.2   |              | 0203-001598 | TAPE-FILAMENT;#8915,0.15,12,55000,CLR      | 0    | SNA    |        |
| 0.2   |              | BN68-06708D | LABEL RATING;ALL,SS,PP,T0.05,93,73,Silve   | 1    | SNA    |        |
| 0.2   |              | BN68-07035Y | LEAFLET-QSG;UJ5100/UJ5120/UJ5105,32"40"    | 1    | SNA    |        |
| 1     |              | BN92-17092W | ASSY BOX;UJ5000,50"                        | 1    | SNA    |        |
| 0.2   |              | BH68-00662A | LABEL BOX-01;ALL MODEL,ART PAPER,60,110,   | 1    | SNA    |        |
| 0.2   |              | BN68-05640A | LABEL-03,BOX;ALL MODEL,ART PAPER 90G,110   | 1    | SNA    |        |
| 0.2   |              | BN69-12413B | BOX UNIT;50J5100-VS,CB,A-01,DW3,W1347,D1   | 1    | SNA    |        |
| 1     |              | BN92-17099F | ASSY P/MATERIAL;UJ5000,50"                 | 1    | SNA    |        |
| 0.2   |              | 6902-001957 | BAG ROLL;HDPE/PE FOAM,HDPE T0.018mm,T0.2   | 3    | SNA    |        |
| 0.2   |              | 6902-002233 | BAG AIR;LDPE,-,T0.2,W900,L1850,TRP,-,-,-   | 1    | SNA    |        |
| 0.2   |              | 6922-000003 | BAND;PP,T0.8,W18,L1650M,TRP,DA69-90145A    | 0    | SNA    |        |
| 0.2   |              | BN02-00319B | TAPE OPP;OPP,T0.05,W75,L800m,CLEAR         | 3    | SNA    |        |
| 0.2   |              | BN68-02422B | LABEL-WARNING SHIPPING;ALL MODEL,A/P,T0.   | 1    | SNA    |        |
| 0.2   |              | BN69-03982L | PAD PACKING-EDGE;EDGE,PAPER,-,T5,W100,L2   | 1    | SNA    |        |
| 0.2   |              | BN69-05418N | WRAP;T0.017,750,2000000,2000000,750        | 0    | SNA    |        |
| 0.2   |              | BN69-06640B | PAD;PAD,PAPER,-,CB-SW4,910,1290,-,-,-,-    | 1    | SNA    |        |
| 0.2   |              | BN69-06640E | PAD-TRUCK PAD;TRUCK PAD,PAPER,-,DW-BC,41   | 1    | SNA    |        |
| 0.2   |              | BN69-11261A | CUSHION-FRONT;50"/55" Model,EPS,16.7g/l    | 1    | SNA    |        |
| 0.2   |              | BN69-12145T | PALLET;UE50J5500,WOOD,-,1180,1360,141,-,   | 1    | SNA    |        |

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| 0.2   |              | BN69-12421A | CUSHION SET;50J5000-VS,EPS,16.7g/L       | 1    | SNA    |        |
| ..3   |              | 0103-005099 | RESIN EPS;BASF303,Natural,Natural        | 496  | SNA    |        |
| 1     | ACCE1        | BN92-18220V | ASSY ACCESSORY;UJ4*                      | 1    | SNA    |        |
| 0.2   |              | BN68-05417A | LABEL-02,ENERGY;ALL,EDC,PP,T0.135,60,125 | 1    | SNA    |        |
| 0.2   |              | BN96-36891U | ASSY ACCESSORY MANUAL;J4*                | 1    | SNA    |        |
| ..3   |              | 6902-001964 | BAG PE;LDPE,BIOBASED,T0.03,W200,L300,TRP | 1    | SNA    |        |
| ..3   |              | BN68-03548J | LEAFLET-08,WARRANTY CARD;comm,Samsung,17 | 1    | SNA    |        |
| ..3   |              | BN68-04972A | MANUAL FLYER-09,REGULATORY GUI;ALL,SAMSU | 1    | SNA    |        |
| ..3   |              | BN68-05730D | LEAFLET-FICHE CARD;NT14L REFRSH,EUROPE,M | 1    | SNA    |        |
| ..3   |              | BN68-06489W | MANUAL USERS;J5100 J4100,XH,ENG/POL/SLV/ | 1    | SNA    |        |
| 0.2   |              | BN96-36896B | ASSY ACCESSORY CABLE;J4*                 | 1    | SNA    |        |
| ..3   | T0268        | 3903-000849 | CBF-POWER CORD;DT,CEE,LP-21L,250V,2.5A,B | 1    | SC     |        |
| ..3   |              | 4301-000121 | BATTERY-MN;1.5V,R03,10.5x44.5m,7.5g,AAA  | 2    | SNA    |        |
| ..3   |              | 6902-001965 | BAG PE;LDPE,BIOBASED,T0.05,W200,L300,TRP | 1    | SNA    |        |
| ..3   | REMO2        | AA59-00741A | REMOCON;TM1240,44,3.0V,F5020/EU          | 1    | SA     |        |
| ..3   | HOLDER-WIRE  | BN61-08370A | HOLDER-WIRE STAND;26UE4000 GUIDE STAND,P | 1    | SA     |        |
| ..3   | T0527        | BN68-00513A | LABEL-E,PASS;ALL MODEL,YUPO(110G),BLACK, | 1    | SNA    |        |

## ANNEX. Exploded View & Part List [UE55J5100AWXXH DH01]

### 1-1. Exploded View



### 1-1-1. Parts List

| No. | Code No.    | Description & Specification               | Q'ty | SA/SNA | Remark |
|-----|-------------|---|------|--------|--------|
| 1   | BN95-02056A | ASSY DECORATION SMT; J5500 DECORATION,55, | 1    | SA     |        |
| 2   | BN07-01413A | LCD-BV-AUO; T550HVF07.0,BJG8BA1,GJ055BGA- | 1    | SA     |        |
| 3   | BN96-30334B | ASSY SPEAKER P; 6ohm,10W,Enclosure_H5k    | 1    | SA     |        |
| 4   | BN96-30902B | ASSY BOARD P-FUNCTION; UH5000,Function As | 1    | SA     |        |
| 5   | BN61-09059A | HOLDER-SIDE AV; UF6100,HIPS,BK0020,HB,EO/ | 1    | SNA    |        |
| 6   | BN94-09316Q | ASSY PCB MAIN; J5*,EU                     | 1    | SA     |        |
| 7   | BN44-00704A | DC VSS-LED TV PD BD; L55S1_EHS,L55S1_EHS, | 1    | SC     |        |
| 8   | BN96-36246R | ASSY COVER P-REAR; 55J5100,PC+ABS,V0,BLK, | 1    | SA     |        |
| 9   | BN61-11465A | GUIDE-STAND; J5100/5500 40",PC+GF20%,V2   | 1    | SA     |        |
| 10  | BN96-35225B | ASSY STAND P-BASE; J5500 48",PC+ABS+GF20  | 1    | SA     |        |

## 2-1. Electrical Parts List

Service Bom (SA: SERVICE AVAILABLE, SNA: SERVICE NOT AVAILABLE)

| Level | Location No. | Code No.    | Description & Specification               | Q'ty  | SA/SNA | Remark |
|-------|--------------|-------------|---|-------|--------|--------|
|       |              |             | UE55J5100AWXXH (DH01)                     |       |        |        |
| 1     |              | BN90-06535A | ASSY W/I;UJ5000,55"                       | 1     | SNA    |        |
| 0.2   |              | BN81-08159Z | PART SET-ELEC W/I;UF**,UH**,UG**,ELEC     | 1     | SNA    |        |
| 0.2   |              | BN81-09501J | A/S PART SET-MECH W/I;UJ5D,U55JD*         | 1     | SNA    |        |
| 1     | R001A        | BN90-06540R | ASSY COVER REAR;UJ5000,55"                | 1     | SNA    |        |
| 0.2   | SCREW        | 6001-002755 | SCREW-MACHINE;BH,+,M3,L6,ZPC(BLK),SWRCH1  | 20    | SA     |        |
| 0.2   | SCREW        | 6003-000003 | SCREW-TAPTYPE;BH,+,-,B,M4,L10,ZPC(BLK),S  | 2     | SA     |        |
| 0.2   | R001A        | BN96-36246R | ASSY COVER P-REAR;55J5100,PC+ABS,V0,BLK,  | 1     | SA     |        |
| ..3   |              | BN60-00162X | SPACER-FOAM;FOAM,30000mm,DARK GRAY,1T,15  | 0     | SNA    |        |
| ..3   |              | BN60-00162Y | SPACER-FOAM;FOAM,50000mm,DARK GRAY,0.35T  | 1     | SNA    |        |
| ..3   | R001         | BN63-14053F | COVER-REAR;55J5100,ABS+PC,V0,BLK,EO,MAST  | 1     | SNA    |        |
| ...4  |              | 0103-005041 | RESIN PC ABS;FR3200TV,901408,BK0008,1.2m  | 2800  | SNA    |        |
| ..3   | T0071        | BN64-02477A | INLAY-TERMINAL;UH5000 46",PS SHEET,T0.5,  | 1     | SNA    |        |
| ..3   |              | BN68-05650C | LABEL-TERMINAL SIDE;UH5K,PET,T0.125,W14.  | 1     | SNA    |        |
| 1     | S001A        | BN90-06671B | ASSY STAND;UJ5000,50"                     | 1     | SNA    |        |
| 0.2   | SG03         | BN61-11465A | GUIDE-STAND;J5100/5500 40",PC+GF20%,V2    | 1     | SA     |        |
| ..3   |              | 0103-007285 | RESIN PC;HF3200H,K21294,BK0007,V2         | 1.5mm | 280    |        |
| 0.2   | SB04A        | BN96-35225B | ASSY STAND P-BASE;J5500 48",PC+ABS+GF20   | 1     | SA     |        |
| ..3   | SCREW        | 6003-001001 | SCREW-TAPTYPE;FH,+, -,B,M3,L8,ZPC(BLK),SW | 2     | SA     |        |
| ..3   |              | 6902-002463 | BAG PE;HDPE/PE FOAM,T0.015/T0.5,W100,L40  | 2     | SNA    |        |
| ..3   |              | 6902-002487 | BAG PE;HDPE/PE FOAM,T0.015/T0.5,W250,L30  | 1     | SNA    |        |
| ..3   |              | BN61-07463B | TAPE-DOUBLE FACE;ACRYL,T0.25,W7,Transpar  | 0     | SNA    |        |
| ..3   | HOLDER-BOLT  | BN61-09494D | HOLDER-BOLT;BH+,SWRCH18A,L14,M4,B TYPE    | 2     | SA     |        |
| ..3   |              | BN61-11431A | BRACKET-STAND BAR;Y15 F-LED J5100/5500 4  | 1     | SNA    |        |
| ..3   |              | BN63-13259A | COVER-STAND BASE;Y15 F-LED J5100/5500 48  | 1     | SNA    |        |
| ...4  |              | 0103-009946 | RESIN PC ABS;HM-1200,BLACK,BK0007,V1      | 260   | SNA    |        |
| ..3   |              | BN63-13263B | COVER-DECORATION STAND;J5100/5300 48",AB  | 1     | SNA    |        |
| ..3   |              | BN67-00327M | RUBBER-FOOT;STAND,SILICON,10*10,T1.5,GRA  | 2     | SNA    |        |
| ..3   |              | BN67-00398P | RUBBER-FOOT;RUBBER,SILICONE,15.5*8,2.5,G  | 5     | SNA    |        |
| 1     | M0017        | BN91-13227Q | ASSY CHASSIS;J5                           | 1     | SNA    |        |
| 0.2   | M0014        | BN94-09316Q | ASSY PCB MAIN;J5*,EU                      | 1     | SA     |        |
| ..3   |              | 0202-001608 | SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0.  | 0     | SNA    |        |
| ..3   |              | BN61-09059A | HOLDER-SIDE AV;UF6100,HIPS,BK0020,HB,EO/  | 1     | SNA    |        |
| ...4  |              | 0103-004631 | RESIN HIPS;HF-1690H,K21294,BK0007,1.5mm   | 22    | SNA    |        |
| ..3   | FB01A        | BN97-07120D | ASSY DRM-KEY;NT14L_DRM-KEY(CI+)           | 1     | SNA    |        |
| ...4  |              | BN46-00328B | KEY CODE-CERTIFI;CI+,TV,NT14, EU          | 1     | SNA    |        |
| ..3   |              | BN97-07960P | ASSY SMD-MAIN;UH5C                        | 1     | SNA    |        |
| ...4  |              | 0202-001830 | SOLDER-CREAM;LFM-48W TM-HP,D20~38um,96.5  | 6     | SNA    |        |
| ...4  | DS01A        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO  | 1     | SA     |        |
| ...4  | DS01A        | 0401-001116 | DIODE-SWITCHING;BAV99DW,75V,215mA,SOT-36  | 2     | SA     |        |
| ...4  |              | 0403-001552 | DIODE-ZENER;DDZ16,15.69/16.51V,500mW,SOD  | 1     | SA     |        |
| ...4  |              | 0403-001783 | DIODE-ZENER;BZB84-C6V2,5.8/6.6V,300mW,SO  | 5     | SNA    |        |
| ...4  |              | 0403-001784 | DIODE-ZENER;NZH7V5C,7.29/7.67V,500mW,SOD  | 1     | SNA    |        |

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ...4  |              | 0403-001785 | DIODE-ZENER;NZH5V1B,4.94/5.2V,500mW,SOD- | 1    | SA     |        |
| ...4  |              | 0403-001797 | DIODE-ZENER;NZH3V0B,2.85/3.15V,500mW,SOD | 1    | SNA    |        |
| ...4  |              | 0404-001404 | DIODE-SCHOTTKY;BAT721C,40V,200mA,SOT-23, | 2    | SA     |        |
| ...4  |              | 0406-001200 | DIODE-TVS;RCLAMP0504F,6/-V,150W,SC-70    | 1    | SA     |        |
| ...4  |              | 0406-001628 | DIODE-TVS;AOZ8804ADI,6/-V,150W,SLP2510   | 4    | SA     |        |
| ...4  |              | 0501-000279 | TR-SMALL SIGNAL;KSA1182-Y,PNP,150mW,SOT- | 1    | SA     |        |
| ...4  |              | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 6    | SC     |        |
| ...4  |              | 0505-002560 | FET-SILICON;AO6415,P,-20V,-3.3A,0.15ohm, | 3    | SA     |        |
| ...4  |              | 0505-003397 | FET-SILICON;2N7002K,N,60V,380mA,1.19ohm, | 6    | SA     |        |
| ...4  |              | 0801-002780 | IC-CMOS LOGIC;74LVC1G17,SCHMITT-TRIGGER  | 2    | SA     |        |
| ...4  |              | 0801-003330 | IC-CMOS LOGIC;Octal buffer,DQFN,20P,4.5x | 1    | SA     |        |
| ...4  |              | 1001-001860 | IC-ANALOG SWITCH;NX5L2750CGU,QFN,10P,1.4 | 1    | SNA    |        |
| ...4  |              | 1103-001531 | IC-EEPROM;S-24C256CI-J8T1U4,256Kbit,32Kx | 1    | SA     |        |
| ...4  |              | 1105-002527 | IC-DDR3 SDRAM;K4B2G1646Q-BCK0,DDR3,2Gbit | 1    | SA     |        |
| ...4  |              | 1201-003183 | IC-AUDIO AMP;DRV612,HTSSOP,14P,5x4.4mm,D | 1    | SA     |        |
| ...4  |              | 1201-003671 | IC-AUDIO AMP;NTP7414,MLF,48P,7x7mm,DUAL, | 1    | SA     |        |
| ...4  |              | 1203-004363 | IC-VOL. DETECTOR;SOT-23,3Z30,2.9x1.6mm,P | 1    | SA     |        |
| ...4  |              | 1203-006017 | IC-VOL. DETECTOR;RT9824GJ8,TSOT23,8P,2.9 | 1    | SA     |        |
| ...4  |              | 1203-006130 | IC-POS.FIXED REG.;S-1172B25-U5T1G,SOT-8  | 1    | SA     |        |
| ...4  |              | 1203-007694 | IC-DC/DC CONVERTER;SN1106041DDAR,DDA,8Z3 | 2    | SA     |        |
| ...4  |              | 1203-007984 | IC-DC/DC CONVERTER;AOZ3015PI,SO-8,8P,6.2 | 1    | SA     |        |
| ...4  |              | 1203-008103 | IC-POS.FIXED REG.;S-13A1D15-E800,HSOP,8  | 1    | SNA    |        |
| ...4  |              | 1203-008104 | IC-POS.FIXED REG.;S-13A1D18-E800,HSOP,8  | 1    | SNA    |        |
| ...4  |              | 1203-008105 | IC-POS.FIXED REG.;S-13A1D33-E800,HSOP,8  | 1    | SNA    |        |
| ...4  |              | 1204-003492 | IC-DECODER;SENK14,LFBGA,624P,21x21mm,PLA | 1    | SA     |        |
| ...4  |              | 1205-004447 | IC-SWITCH;TPS2051CDBVR,SOT23-5,5P,3x1.65 | 2    | SA     |        |
| ...4  |              | 1405-001271 | VARIATOR;35V,20Vdc,5A,1.0x0.5x0.6mm,TP,1 | 26   | SA     |        |
| ...4  |              | 2007-000137 | R-CHIP;2Kohm,5%,1/16W,TP,1005            | 5    | SNA    |        |
| ...4  |              | 2007-000138 | R-CHIP;100ohm,5%,1/16W,TP,1005           | 21   | SA     |        |
| ...4  |              | 2007-000142 | R-CHIP;2.7Kohm,5%,1/16W,TP,1005          | 3    | SA     |        |
| ...4  |              | 2007-000143 | R-CHIP;4.7Kohm,5%,1/16W,TP,1005          | 41   | SNA    |        |
| ...4  |              | 2007-000148 | R-CHIP;10Kohm,5%,1/16W,TP,1005           | 34   | SA     |        |
| ...4  |              | 2007-000153 | R-CHIP;22Kohm,5%,1/16W,TP,1005           | 9    | SNA    |        |
| ...4  |              | 2007-000157 | R-CHIP;47Kohm,5%,1/16W,TP,1005           | 6    | SNA    |        |
| ...4  |              | 2007-000162 | R-CHIP;100Kohm,5%,1/16W,TP,1005          | 6    | SNA    |        |
| ...4  |              | 2007-000168 | R-CHIP;470Kohm,5%,1/16W,TP,1005          | 3    | SA     |        |
| ...4  |              | 2007-000171 | R-CHIP;0ohm,5%,1/16W,TP,1005             | 5    | SNA    |        |
| ...4  |              | 2007-000172 | R-CHIP;10ohm,5%,1/16W,TP,1005            | 2    | SNA    |        |
| ...4  |              | 2007-000173 | R-CHIP;22ohm,5%,1/16W,TP,1005            | 10   | SNA    |        |
| ...4  |              | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005            | 2    | SNA    |        |
| ...4  |              | 2007-000256 | R-CHIP;1.6Kohm,1%,1/10W,TP,1608          | 1    | SA     |        |
| ...4  |              | 2007-000475 | R-CHIP;1Mohm,1%,1/10W,TP,1608            | 1    | SA     |        |
| ...4  |              | 2007-000691 | R-CHIP;3.3Mohm,5%,1/10W,TP,1608          | 1    | SA     |        |
| ...4  |              | 2007-000695 | R-CHIP;3.3ohm,5%,1/10W,TP,1608           | 4    | SNA    |        |
| ...4  |              | 2007-000775 | R-CHIP;33Kohm,5%,1/16W,TP,1005           | 2    | SNA    |        |
| ...4  |              | 2007-000931 | R-CHIP;470ohm,5%,1/8W,TP,2012            | 1    | SC     |        |
| ...4  |              | 2007-000932 | R-CHIP;470ohm,5%,1/16W,TP,1005           | 7    | SNA    |        |

## ANNEX. Exploded View &amp; Part List

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ...4  |              | 2007-001168 | R-CHIP;75ohm,5%,1/4W,TP,3216             | 1    | SA     |        |
| ...4  |              | 2007-001292 | R-CHIP;33ohm,5%,1/16W,TP,1005            | 12   | SNA    |        |
| ...4  |              | 2007-001298 | R-CHIP;51ohm,5%,1/16W,TP,1005            | 2    | SNA    |        |
| ...4  |              | 2007-001313 | R-CHIP;330ohm,5%,1/16W,TP,1005           | 2    | SNA    |        |
| ...4  |              | 2007-001325 | R-CHIP;3.3Kohm,5%,1/16W,TP,1005          | 1    | SNA    |        |
| ...4  |              | 2007-003025 | R-CHIP;6.8ohm,5%,1/16W,TP,1005           | 2    | SA     |        |
| ...4  |              | 2007-007095 | R-CHIP;390ohm,5%,1/16W,TP,1005           | 1    | SA     |        |
| ...4  |              | 2007-007107 | R-CHIP;100Kohm,1%,1/16W,TP,1005          | 1    | SNA    |        |
| ...4  |              | 2007-007108 | R-CHIP;43.2Kohm,1%,1/16W,TP,1005         | 1    | SA     |        |
| ...4  |              | 2007-007139 | R-CHIP;47Kohm,1%,1/16W,TP,1005,0.35T     | 1    | SA     |        |
| ...4  |              | 2007-007142 | R-CHIP;10Kohm,1%,1/16W,TP,1005           | 2    | SNA    |        |
| ...4  |              | 2007-007156 | R-CHIP;1ohm,5%,1/16W,TP,1005             | 7    | SNA    |        |
| ...4  |              | 2007-007306 | R-CHIP;100ohm,1%,1/16W,TP,1005           | 4    | SNA    |        |
| ...4  |              | 2007-007309 | R-CHIP;12Kohm,1%,1/16W,TP,1005,0.35T     | 1    | SA     |        |
| ...4  |              | 2007-007311 | R-CHIP;22Kohm,1%,1/16W,TP,1005           | 1    | SA     |        |
| ...4  |              | 2007-007317 | R-CHIP;2.2Kohm,1%,1/16W,TP,1005          | 2    | SA     |        |
| ...4  |              | 2007-007318 | R-CHIP;1Kohm,1%,1/16W,TP,1005            | 17   | SNA    |        |
| ...4  |              | 2007-007517 | R-CHIP;240ohm,1%,1/16W,TP,1005           | 1    | SNA    |        |
| ...4  |              | 2007-007538 | R-CHIP;56Kohm,1%,1/16W,TP,1005           | 1    | SA     |        |
| ...4  |              | 2007-008015 | R-CHIP;75ohm,1%,1/16W,TP,1005            | 10   | SA     |        |
| ...4  |              | 2007-008275 | R-CHIP;30Kohm,1%,1/16W,TP,1005           | 1    | SNA    |        |
| ...4  |              | 2007-008332 | R-CHIP;11.5Kohm,1%,1/16W,TP,1005         | 2    | SA     |        |
| ...4  |              | 2007-009138 | R-CHIP;33Kohm,1%,1/16W,TP,1005           | 2    | SNA    |        |
| ...4  |              | 2011-001261 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,2. | 2    | SA     |        |
| ...4  |              | 2011-001262 | R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,2. | 2    | SA     |        |
| ...4  |              | 2011-001344 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,2 | 6    | SA     |        |
| ...4  |              | 2011-001345 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,2 | 4    | SA     |        |
| ...4  |              | 2011-001396 | R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP, | 5    | SA     |        |
| ...4  |              | 2011-001449 | R-NETWORK;22ohm,5%,1/16W,L,4P,TP,1010    | 1    | SA     |        |
| ...4  |              | 2011-001527 | R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,4P,TP, | 1    | SNA    |        |
| ...4  | AD480        | 2203-000233 | C-CER,CHIP;0.1nF,5%,50V,C0G,TP,1005      | 9    | SA     |        |
| ...4  | AD480        | 2203-000278 | C-CER,CHIP;0.01nF,0.5pF,50V,C0G,TP,1005  | 1    | SA     |        |
| ...4  | AD480        | 2203-000359 | C-CER,CHIP;0.15nF,5%,50V,C0G,TP,1005,0.5 | 4    | SA     |        |
| ...4  | AD480        | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,TP,1005       | 7    | SA     |        |
| ...4  | AD480        | 2203-000489 | C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1005     | 1    | SA     |        |
| ...4  | AD480        | 2203-000585 | C-CER,CHIP;0.22nF,10%,50V,X7R,TP,1005    | 1    | SA     |        |
| ...4  | AD480        | 2203-000627 | C-CER,CHIP;0.022nF,5%,50V,C0G,TP,1005    | 2    | SNA    |        |
| ...4  | AD480        | 2203-000714 | C-CER,CHIP;3.3nF,10%,50V,X7R,TP,1005     | 10   | SA     |        |
| ...4  | AD480        | 2203-000812 | C-CER,CHIP;0.033nF,5%,50V,C0G,TP,1005    | 1    | SA     |        |
| ...4  | AD480        | 2203-000940 | C-CER,CHIP;0.47nF,10%,50V,X7R,TP,1005    | 6    | SA     |        |
| ...4  | AD480        | 2203-000995 | C-CER,CHIP;0.047nF,5%,50V,C0G,TP,1005    | 3    | SA     |        |
| ...4  | AD480        | 2203-001412 | C-CER,CHIP;0.03nF,5%,50V,NP0,TP,1005     | 6    | SNA    |        |
| ...4  | AD480        | 2203-002285 | C-CER,CHIP;10nF,10%,50V,X7R,TP,1005      | 12   | SNA    |        |
| ...4  | AD480        | 2203-002443 | C-CER,CHIP;0.33nF,10%,50V,X7R,TP,1005    | 8    | SA     |        |
| ...4  | AD480        | 2203-005054 | C-CER,CHIP;0.0047nF,0.25pF,50V,NP0,TP,10 | 2    | SA     |        |
| ...4  | AD480        | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,TP,1608     | 13   | SNA    |        |
| ...4  | AD480        | 2203-005659 | C-CER,CHIP;0.18nF,5%,50V,NP0,TP,1005     | 1    | SNA    |        |

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ...4  | AD480        | 2203-006048 | C-CER,CHIP;100nF,10%,10V,X7R,TP,1005     | 87   | SA     |        |
| ...4  | AD480        | 2203-006126 | C-CER,CHIP;47nF,10%,16V,X7R,TP,1005      | 12   | SNA    |        |
| ...4  | AD480        | 2203-006324 | C-CER,CHIP;2200nF,10%,10V,X5R,TP,1608    | 5    | SA     |        |
| ...4  | AD480        | 2203-006348 | C-CER,CHIP;1000nF,10%,25V,X5R,TP,1608,0. | 4    | SA     |        |
| ...4  | AD480        | 2203-006361 | C-CER,CHIP;10000nF,10%,10V,X5R,TP,2012   | 4    | SC     |        |
| ...4  | AD480        | 2203-006474 | C-CER,CHIP;22000nF,20%,6.3V,X5R,TP,2012  | 14   | SA     |        |
| ...4  | AD480        | 2203-006562 | C-CER,CHIP;1000nF,10%,10V,X5R,TP,1005    | 17   | SNA    |        |
| ...4  | AD480        | 2203-006636 | C-CER,CHIP;220nF,10%,25V,X7R,TP,1608     | 2    | SA     |        |
| ...4  | AD480        | 2203-006890 | C-CER,CHIP;10000nF,20%,6.3V,X5R,TP,1608  | 34   | SA     |        |
| ...4  | AD480        | 2203-007176 | C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012,1 | 6    | SNA    |        |
| ...4  | AD480        | 2203-007240 | C-CER,CHIP;22000nF,20%,6.3V,X5R,TP,1608( | 2    | SA     |        |
| ...4  | AD480        | 2203-007269 | C-CER,CHIP;22000nF,20%,10V,X5R,TP,2012(2 | 4    | SA     |        |
| ...4  | AD480        | 2203-007270 | C-CER,CHIP;10000nF,10%,10V,X5R,TP,1608,0 | 5    | SNA    |        |
| ...4  | AD480        | 2203-007306 | C-CER,CHIP;10000nF,10%,25V,X5R,TP,2012,1 | 1    | SNA    |        |
| ...4  | AD480        | 2203-007544 | C-CER,CHIP;100nF,10%,50V,X7R,TP,1005,0.5 | 2    | SA     |        |
| ...4  |              | 2503-001051 | C-NETWORK;100nFx4,20%,16V,2012           | 1    | SA     |        |
| ...4  |              | 2703-000158 | INDUCTOR-SMD;1uH,10%,2012,.4Ohm,50mA,45, | 3    | SA     |        |
| ...4  |              | 2703-000213 | INDUCTOR-SMD;470nH,10%,1608,1.35Ohm,35mA | 1    | SA     |        |
| ...4  |              | 2703-001209 | INDUCTOR-SMD;1.2uH,10%,1608,.8Ohm,25mA,3 | 3    | SA     |        |
| ...4  |              | 2703-002332 | INDUCTOR-SMD;330nH,5%,1608,3Ohm,100mA,32 | 1    | SA     |        |
| ...4  |              | 2703-003149 | INDUCTOR-SMD;2.2uH,20%,5050,0.055Ohm,300 | 1    | SA     |        |
| ...4  |              | 2703-003790 | INDUCTOR-SMD;4.7uH,20%,8080,0.025ohm,450 | 1    | SA     |        |
| ...4  |              | 2703-003930 | INDUCTOR-SMD;4.7uH,20%,5050,0.072Ohm,245 | 4    | SA     |        |
| ...4  |              | 2703-004145 | INDUCTOR-SMD;2.2uH,20%,6.5 x 6.9mm,0.20o | 1    | SNA    |        |
| ...4  |              | 2801-003773 | CRYSTAL-SMD;12MHz,30ppm,28-AAN,20pF,50oh | 1    | SA     |        |
| ...4  |              | 3301-002039 | BEAD-SMD;26ohm,1608,TP                   | 45   | SA     |        |
| ...4  |              | 3701-001861 | CONNECTOR-HDMI;19P,FEMALE,AU,0.5mm,BLK,S | 2    | SA     |        |
| ...4  |              | 3707-001106 | CONNECTOR-OPTICAL;STRAIGHT W/L,SPDIF     | 1    | SA     |        |
| ...4  |              | 3708-003073 | CONNECTOR-FPC/FFC/PIC;51P,0.5mm,SMD,AU,N | 1    | SA     |        |
| ...4  |              | 3709-001712 | CONNECTOR-CARD SLOT;68P,1.27mm,ANGLE,AU, | 1    | SA     |        |
| ...4  | EH01         | 3711-008131 | HEADER-BOARD TO CABLE;BOX,4P,1R,2.5mm,AN | 1    | SA     |        |
| ...4  | EH01         | 3711-008521 | HEADER-BOARD TO CABLE;BOX,8P,1R,2mm,ANGL | 1    | SA     |        |
| ...4  | EH01         | 3711-008634 | HEADER-BOARD TO CABLE;BOX,10P,2R,2mm,ANG | 1    | SA     |        |
| ...4  |              | 3722-003457 | JACK-USB;4P/1C,NI,BLK,A                  | 1    | SA     |        |
| ...4  | JACK PIN     | 3722-003546 | JACK-PIN;5P+Screw hole,NI+SN,G,Y/BLU/RED | 1    | SA     |        |
| ...4  |              | 3722-003655 | JACK-SCART;21P,SN,BLK                    | 1    | SA     |        |
| ...4  |              | 3722-003667 | JACK-PHONE;1P/7C,SN/NI,BLK,STRAIGHT,3.6P | 1    | SA     |        |
| ...4  | ET01         | BN40-00282A | TUNER;DTOS40EIH276A,DTOS40EIH276A,DVB-TC | 1    | SA     |        |
| ...4  |              | BN41-02098B | PCB MAIN;NT14L,FR-4,4,1.2,122*193.5,1    | 1    | SNA    |        |
| ...4  |              | BN97-07377F | ASSY MICOM-SUB;T-NT14LDEUS-1002,2014.02. | 1    | SNA    |        |
| ....5 |              | 1107-002226 | IC-NOR FLASH;W25Q40CLSSIP,4Mbit,SOIC,8P, | 1    | SA     |        |
| ...4  |              | BN97-07377H | ASSY MICOM;T-NT14LDEUC-XXXX,F59L1G81A-25 | 1    | SNA    |        |
| ....5 |              | 1107-002252 | IC-NAND FLASH;1Gbit,128Mx8,TSOP,48P,12x2 | 1    | SA     |        |
| ....5 |              | BN46-00371C | S/W-E-MANUAL;NT14L,EU2,XH                | 1    | SNA    |        |
| ....5 |              | BN46-00377A | S/W MICOM;T-NT14LDEUC-XXXX,2013.10.23    | 1    | SNA    |        |
| ..3   | T0066        | BP62-00017A | HEAT SINK-ES;SP-50L2HX,A6063S,T2.0,26.2, | 1    | SNA    |        |
| 1     |              | BN91-14287V | ASSY SHIELD;UJ5000,55"                   | 1    | SNA    |        |

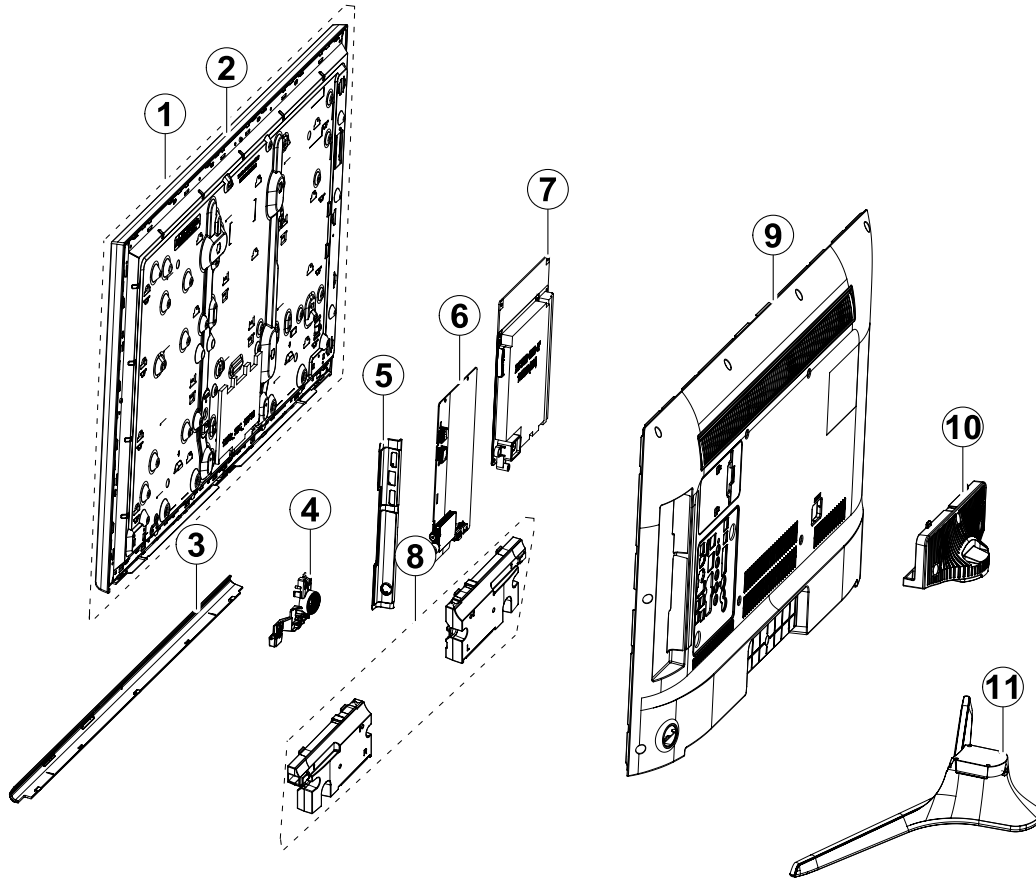
ANNEX. Exploded View & Part List

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| 0.2   | SCREW        | 6001-003016 | SCREW-MACHINE;PWH,+,M3.0,L5.0,ZPC(WHT),S | 8    | SA     |        |
| 0.2   |              | BN02-00102B | TAPE-FILAMENT;#8917,0.15,25,50,WHITE     | 0    | SNA    |        |
| 0.2   | EC13         | BN39-01873M | LEAD CONNECTOR;UA55J5100,Flat Connector, | 1    | SA     |        |
| 0.2   | EC13         | BN39-01884B | LEAD CONNECTOR;UN40H5200AF,Lead Connecto | 1    | SA     |        |
| 0.2   | EC13         | BN39-01885N | LEAD CONNECTOR;DBD_55",Flat Connector*,U | 1    | SA     |        |
| 0.2   | P001A        | BN44-00704A | DC VSS-LED TV PD BD;L55S1_EHS,L55S1_EHS, | 1    | SC     |        |
| 0.2   |              | BN67-00364C | RUBBER-FOOT;X13,RUBBER,10*10,6,Gray,SQUA | 1    | SNA    |        |
| 0.2   | CD01A        | BN95-02056A | ASSY DECORATION SMT;J5500 DECORATION,55, | 1    | SA     |        |
| ..3   |              | 0206-001653 | PAINT;CVM87100,semitransparency,1kg      | 4    | SNA    |        |
| ..3   |              | BN01-00160A | TARGET-CHROMIUM-CY;Chromium target,99.95 | 0    | SNA    |        |
| ..3   | FD01         | BN63-13220A | COVER-DECORATION;Y15 F-LED J5100/5500 55 | 1    | SNA    |        |
| ..3   |              | BN63-14064B | SHEET-COVER;PE+PP,0.068,W30,CLEAR,100g/i | 1    | SNA    |        |
| 0.2   | SP01A        | BN96-30334B | ASSY SPEAKER P;6ohm,10W,Enclosure_H5k    | 1    | SA     |        |
| 0.2   | FB01A        | BN96-30902B | ASSY BOARD P-FUNCTION;UH5000,Function As | 1    | SA     |        |
| 0.2   | FL06         | BN96-36243E | ASSY CABLE P;UA55J5300TV,FFC,NH,600mm,51 | 1    | SA     |        |
| 1     |              | BN91-14409A | ASSY LCD-AUO;BN07-01413A,GJ055BGA-B1     | 1    | SNA    |        |
| 0.2   |              | BN07-01413A | LCD-BV-AUO;T550HV07.0,BJG8BA1,GJ055BGA-  | 1    | SA     |        |
| 1     | ACCE1        | BN92-16868R | ASSY ACCESSORY;J5*,EU/CIS/N.AFR          | 1    | SNA    |        |
| 0.2   |              | BN68-05417A | LABEL-02,ENERGY;ALL,EDC,PP,T0.135,60,125 | 1    | SNA    |        |
| 0.2   |              | BN96-35465Q | ASSY ACCESSORY MANUAL;J5*,EU/CIS/N.AFR   | 1    | SNA    |        |
| ..3   |              | 6902-001964 | BAG PE;LDPE,BIOBASED,T0.03,W200,L300,TRP | 1    | SNA    |        |
| ..3   |              | BN68-03548J | LEAFLET--09, WARRANTY;comm,Samsung,17Lan | 1    | SNA    |        |
| ..3   |              | BN68-04972E | LEAFLET-04,REGULATORY GUIDE;ALL,SAMSUNG, | 1    | SNA    |        |
| ..3   |              | BN68-06489W | MANUAL USERS-01;J5100 J4100,XH,ENG/POL/S | 1    | SNA    |        |
| ..3   |              | BN68-07382B | LEAFLET-FICHE CARD;Europe,Europe,ENG,MOJ | 1    | SNA    |        |
| 0.2   |              | BN96-35734A | ASSY ACCESSORY CABLE;UJ5D                | 1    | SNA    |        |
| ..3   | T0268        | 3903-000849 | CBF-POWER CORD;DT,CEE,LP-21L,250V,2.5A,B | 1    | SC     |        |
| ..3   |              | 4301-000121 | BATTERY-MN;1.5V,R03,10.5x44.5m,7.5g,AAA  | 2    | SNA    |        |
| ..3   |              | 6902-001965 | BAG PE;LDPE,BIOBASED,T0.05,W200,L300,TRP | 1    | SNA    |        |
| ..3   | REMO2        | AA59-00741A | REMOCON;TM1240,44,3.0V,F5020/EU          | 1    | SA     |        |
| ..3   |              | BN68-02989A | LABEL-PQS;ALL,ALL,Paper,30,65,WHITE,SEH  | 1    | SNA    |        |
| ..3   |              | BN96-15806B | ASSY HOLDER P-WIRE STAND;UE5500,NYLON,BL | 1    | SNA    |        |
| ...4  |              | BN61-04731D | TAPE-DOUBLE FACE;ACRYL,T1.1,W20.0mm,WHIT | 0    | SNA    |        |
| ...4  |              | BN61-05491C | HOLDER-WIRE STAND;UE5500,PA,BLK          | 1    | SNA    |        |
| ..3   |              | BN96-32380B | ASSY ACCESSORY-SCREW;BN69-10588A,BN61-09 | 2    | SNA    |        |
| ...4  | HOLDER-BOLT  | BN61-09494D | HOLDER-BOLT;BH+,SWRCH18A,L14,M4,B TYPE   | 8    | SA     |        |
| ...4  |              | BN69-10588A | BAG SCREW;LDPE,-,0.05,70,90,TRP,-,-,LED  | 2    | SNA    |        |
| 1     |              | BN92-17093X | ASSY BOX;UJ5000,55"                      | 1    | SNA    |        |
| 0.2   |              | BH68-00662A | LABEL BOX-01;ALL MODEL,ART PAPER,60,110, | 1    | SNA    |        |
| 0.2   |              | BN68-05640A | LABEL-03,BOX;ALL MODEL,ART PAPER 90G,110 | 1    | SNA    |        |
| 0.2   |              | BN69-11666L | BOX UNIT;55J5100-VS,CB,A1,DW3,W1470,D142 | 1    | SNA    |        |
| 1     |              | BN92-17100A | ASSY P/MATERIAL;UJ5000,55"               | 1    | SNA    |        |
| 0.2   |              | 6902-002504 | BAG ROLL;HDPE/PE FOAM,T0.5*,W900,L300M,T | 3    | SNA    |        |
| 0.2   |              | 6922-000013 | BAND;PP,W18,L2300/L2900,TRP              | 1    | SNA    |        |
| 0.2   |              | BN01-00200A | FILM-STRETCH-HOOD;55",LLDPE,T0.08,W1200, | 0    | SNA    |        |
| 0.2   |              | BN63-12491B | COVER-SHEET NITRON;55" LED,PE,T4.0,W1200 | 1    | SNA    |        |

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| 0.2   |              | BN69-08445A | PAD;COMM,CB,SW2,T3,W900,L1200,-,-,-,YE   | 1    | SNA    |        |
| 0.2   |              | BN69-11241A | CUSHION-SET;J5100/5500 55",EPS,16.7g/l,W | 1    | SNA    |        |
| 0.2   |              | BN69-11261A | CUSHION-FRONT;50"/55" Model,EPS,16.7g/l  | 1    | SNA    |        |
| ..3   |              | 0103-005099 | RESIN EPS;BASF303,Natural,Natural        | 74   | SNA    |        |
| 0.2   |              | BN69-12185A | PALLET-WOODEN;UE55J5500,WOOD,1100,1490,1 | 1    | SNA    |        |
| 0.2   |              | BN74-00008N | TAPE OPP;Silent,T0.065,W60,L1500M,NTR,Ac | 3    | SNA    |        |
| 1     |              | BN92-17293G | ASSY LABEL;UJ5D                          | 1    | SNA    |        |
| 0.2   |              | BN68-06708E | LABEL RATING;ALL,WW,PP,T0.05,93,73,Dark  | 1    | SNA    |        |
| 0.2   |              | BN68-07358H | LEAFLET-QSG;UE55J5100/5150/5170,XC/XN/XE | 1    | SNA    |        |

## ANNEX. Exploded View & Part List [UE48J5100AWXXH TS01]

### 1-1. Exploded View



### 1-1-1. Parts List

| No. | Code No.    | Description & Specification               | Q'ty | SA/SNA | Remark |
|-----|-------------|---|------|--------|--------|
| 1   | BN95-01317A | PRODUCT LCD-AMLCD; LSF480HN01-G,CY-GH048B | 1    | SA     |        |
| 2   | BN96-30692A | ASSY CHASSIS TOP P; H5K 48",PC+ABS-(GF15) | 1    | SA     |        |
| 3   | BN95-01393A | ASSY DECORATION SMT; 5000,48,LIGHT TITAN  | 1    | SA     |        |
| 4   | BN96-30902B | ASSY BOARD P-FUNCTION; UH5000,Function As | 1    | SA     |        |
| 5   | BN61-09059A | HOLDER-SIDE AV; UF6100,HIPS,BK0020,HB,EO/ | 1    | SNA    |        |
| 6   | BN94-08116G | ASSY PCB MAIN; UH5C                       | 1    | SA     |        |
| 7   | BN44-00699A | DC VSS-LED TV PD BD; L48SF_ESM,L48SF_ESM, | 1    | SA     |        |
| 8   | BN96-30334A | ASSY SPEAKER P; 6ohm,10W,Enclosure_H5k    | 1    | SA     |        |
| 9   | BN96-30581A | ASSY COVER P-REAR; UH5000 48,EU,PC+ABS,V1 | 1    | SA     |        |
| 10  | BN61-11465A | GUIDE-STAND; J5100/5500 40",PC+GF20%,V2   | 1    | SA     |        |
| 11  | BN96-35225B | ASSY STAND P-BASE; J5500 48",PC+ABS+GF20  | 1    | SA     |        |

## 2-1. Electrical Parts List

Service Bom (SA: SERVICE AVAILABLE, SNA: SERVICE NOT AVAILABLE)

| Level | Location No. | Code No.    | Description & Specification              | Q'ty  | SA/SNA | Remark |
|-------|--------------|-------------|--|-------|--------|--------|
|       |              |             | UE48J5100AWXXH (TS01)                    |       |        |        |
| 1     |              | BN90-05474G | ASSY W/I;UH5000                          | 1     | SNA    |        |
| 0.2   |              | BN81-08159Z | PART SET-ELEC W/I;UF**,UH**,UG**,ELEC    | 1     | SNA    |        |
| 0.2   |              | BN81-08368G | PART SET-MECH W/I;UH5C,U48HC*            | 1     | SNA    |        |
| 1     | R001A        | BN90-05558A | ASSY COVER REAR;UH5000                   | 1     | SNA    |        |
| 0.2   | SCREW        | 6001-002755 | SCREW-MACHINE;BH,+,M3,L6,ZPC(BLK),SWRCH1 | 16    | SA     |        |
| 0.2   | SCREW        | 6003-001782 | SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR | 2     | SA     |        |
| 0.2   | R001A        | BN96-30581A | ASSY COVER P-REAR;UH5000 48,EU,PC+ABS,V1 | 1     | SA     |        |
| ..3   |              | BN60-00162W | SPACER-FOAM;FOAM,30000mm,DARK GRAY,1T,10 | 0     | SNA    |        |
| ..3   | R001         | BN63-11620B | COVER-REAR;H5000 48",PC+ABS,Europe,V1,B  | 1     | SNA    |        |
| ...4  |              | 0103-010376 | RESIN PC ABS;FR3012 / 901510,BLACK,BK000 | 2270  | SNA    |        |
| ..3   |              | BN68-05650C | LABEL-TERMINAL SIDE;UH5K,PET,T0.125,W14. | 1     | SNA    |        |
| 1     | S001A        | BN90-06671B | ASSY STAND;UJ5000,50"                    | 1     | SNA    |        |
| 0.2   | SG03         | BN61-11465A | GUIDE-STAND;J5100/5500 40",PC+GF20%,V2   | 1     | SA     |        |
| ..3   |              | 0103-007285 | RESIN PC;HF3200H,K21294,BK0007,V2        | 1.5mm | 280    |        |
| 0.2   | SB04A        | BN96-35225B | ASSY STAND P-BASE;J5500 48",PC+ABS+GF20  | 1     | SA     |        |
| ..3   | SCREW        | 6003-001001 | SCREW-TAPTYPE;FH,+,B,M3,L8,ZPC(BLK),SW   | 2     | SA     |        |
| ..3   |              | 6902-002463 | BAG PE;HDPE/PE FOAM,T0.015/T0.5,W100,L40 | 2     | SNA    |        |
| ..3   |              | 6902-002487 | BAG PE;HDPE/PE FOAM,T0.015/T0.5,W250,L30 | 1     | SNA    |        |
| ..3   | HOLDER-BOLT  | BN61-09494D | HOLDER-BOLT;BH+,SWRCH18A,L14,M4,B TYPE   | 2     | SA     |        |
| ..3   |              | BN61-11431A | BRACKET-STAND BAR;Y15 F-LED J5100/5500 4 | 1     | SNA    |        |
| ..3   |              | BN63-13259A | COVER-STAND BASE;Y15 F-LED J5100/5500 48 | 1     | SNA    |        |
| ...4  |              | 0103-009946 | RESIN PC ABS;HM-1200,BLACK,BK0007,V1     | 260   | SNA    |        |
| ..3   |              | BN63-13263B | COVER-DECORATION STAND;J5100/5300 48",AB | 1     | SNA    |        |
| ..3   |              | BN67-00327M | RUBBER-FOOT;STAND,SILICON,10*10,T1.5,GRA | 2     | SNA    |        |
| ..3   |              | BN67-00398P | RUBBER-FOOT;RUBBER,SILICONE,15.5*8,2.5,G | 5     | SNA    |        |
| 1     |              | BN91-12035A | ASSY LCM-AMLCD;BN95-01317A,CY-GH048BGLV1 | 1     | SNA    |        |
| 0.2   | PANEL        | BN95-01317A | PRODUCT LCD-AMLCD;LSF480HN01-G,CY-GH048B | 1     | SA     |        |
| ..3   | SCREW        | 6001-003075 | SCREW-MACHINE;BH,+,M3,L4,ZPC(WHT),SWRCH1 | 2     | SA     |        |
| ..3   | SCREW        | 6001-003083 | SCREW-MACHINE;CH,+,M3,L8,ZPC(BLK),SWRCH1 | 5     | SA     |        |
| ..3   |              | BN02-00152E | TAPE ETC-SHEET FIXING;Y13 SF-LED,PET,0.0 | 1     | SNA    |        |
| ..3   | M0131        | BN63-00520A | GASKET;APPOLO_PAL,Conductive Fabric,0.13 | 2     | SNA    |        |
| ..3   |              | BN68-05722A | LABEL-STICKER;ALL MODEL,POLYPROPYLENE,0. | 1     | SNA    |        |
| ..3   |              | BN90-05183A | ASSY MISC-BLU;H5000 48",CY-GH048         | 1     | SNA    |        |
| ...4  |              | BN61-10113A | SUPPORT-PLATE;Y14 F-LED,PC,V2,WHT/CLEAR, | 14    | SNA    |        |
| ....5 |              | 0103-005036 | RESIN PC;M2407,550115,TP0003             | 42    | SNA    |        |
| ....5 |              | 0103-009493 | RESIN PC;LH-1070W,W92853,WT0107,V-0      | 56    | SNA    |        |
| ...4  |              | BN61-10228A | LGP-DIFFUSESR PLATE;48inch Diffuser Plat | 1     | SNA    |        |
| ...4  |              | BN63-11821A | SHEET-COMPLEX;Y14 48inch VNB DMOP/UTA11C | 1     | SNA    |        |
| ...4  |              | BN63-11825A | SHEET-REFLECTOR;Y14 48" VNB SY95S / SY20 | 1     | SNA    |        |
| ...4  |              | BN96-30453A | ASSY LED BAR P;48inch FHD Dire,FCPkg,6ea | 6     | SA     |        |
| ...4  |              | BN96-30454A | ASSY LED BAR P;48inch FHD Dire,FCPkg,3ea | 6     | SA     |        |
| ...4  |              | BN96-30685A | ASSY FRAME P-MOLD MIDDLE(U);H5K,5.5K 48" | 1     | SNA    |        |

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ....5 |              | BN61-10079A | FRAME-MOLD MIDDLE(UD);Y14 F-LED 48" (5K) | 1    | SNA    |        |
| ...4  |              | BN96-30687A | ASSY FRAME P-MOLD MIDDLE(D);H5K,5.5K 48" | 1    | SNA    |        |
| ....5 |              | BN60-00735R | SPACER-MIDDLE;Y14 VNB 48,PET,L420,NTR,T0 | 1    | SNA    |        |
| ....5 |              | BN60-00735U | SPACER-MIDDLE;Y14 VNB 48,PET,L590,NTR,T0 | 1    | SNA    |        |
| ....5 |              | BN60-00744C | SPACER-RUBBER;Y14 SF-LED VNB,SH-0140U+AT | 1    | SNA    |        |
| ....5 |              | BN60-00815F | SPACER-PANEL (UD);14 SF-LED 48,SI,L525,G | 2    | SNA    |        |
| ....5 |              | BN61-10177A | FRAME-MOLD MIDDLE(D);Y14 F-LED 48" (5K), | 1    | SNA    |        |
| ...4  |              | BN96-30689A | ASSY FRAME P-MOLD MIDDLE(LR);H5K~6.5K 48 | 2    | SNA    |        |
| ....5 |              | BN60-00815G | SPACER-PANEL (LR);14 SF-LED 48,SI,L597,G | 2    | SNA    |        |
| ....5 |              | BN61-10080A | FRAME-MOLD MIDDLE(LR);Y14 F-LED 48" (5K) | 2    | SNA    |        |
| ....6 |              | 0103-007368 | RESIN PC;LS-3104G,K2495,BK0048,3.0mm V-2 | 28   | SNA    |        |
| ...4  |              | BN96-36263A | ASSY CHASSIS BOTTOM P;Y14 VNB 48,SECC T0 | 1    | SNA    |        |
| ....5 |              | BN02-00040C | TAPE DOUBLE FACE-D-PLATE;F-LED ALL,MKT50 | 2    | SNA    |        |
| ....5 |              | BN02-00324A | TAPE-METAL FOIL;Y14 4K,T0.085,W25,NTR,3M | 0    | SNA    |        |
| ....5 |              | BN02-00352B | TAPE OPP;PET,T0.05,W30,L50M,BLK,ULNO.E16 | 1    | SNA    |        |
| ....5 |              | BN02-00352D | TAPE OPP;PET,T0.05,W20,L50M,BLK,ULNO.E16 | 0    | SNA    |        |
| ....5 |              | BN61-10100A | HOLDER-MIDDLE(U);Y14 F-LED 48" (5K),PC,W | 1    | SNA    |        |
| ....5 |              | BN61-10101A | HOLDER-MIDDLE(LR);Y14 F-LED 48" (5K),PC+ | 2    | SNA    |        |
| ....5 |              | BN61-10185A | HOLDER-MIDDLE(D);Y14 F-LED 48" (5K),PC,W | 1    | SNA    |        |
| ....6 |              | 0103-010237 | RESIN PC;LS-3104G/LG30273VG,White,WT0044 | 52   | SNA    |        |
| ....5 |              | BN61-10207A | HOLDER-WALL RIVET;Y14 F-LED 32",SWRCH10A | 4    | SNA    |        |
| ....5 |              | BN62-00501D | INSULATION-PD BOARD;Y14 VNB 39_40_42_48  | 1    | SNA    |        |
| ....5 | T0073        | BN63-03871A | GASKET-EMI;58P9,Fabric,2,15,11           | 4    | SNA    |        |
| ....5 | CC02         | BN64-02518A | CHASSIS-BOTTOM;Y14 F-LED 48" (VNB),EGI-S | 1    | SNA    |        |
| ....6 |              | BN01-00194A | STEEL;EGI-SECC AG,1108,0.6mm,645mm,SECC, | 1    | SNA    |        |
| ....5 |              | BN96-30418A | ASSY BOARD P-LED INTERFACE B'D;48inch FH | 1    | SNA    |        |
| ..3   | TCON         | BN95-01306B | ASSY T CON;LSF480HN01-G,48F60 VNB        | 1    | SC     |        |
| ...4  |              | BN97-07971C | ASSY SMD;BN95-01306B                     | 1    | SNA    |        |
| ....5 |              | 0202-001830 | SOLDER-CREAM;LFM-48W TM-HP,D20~38um,96.5 | 1    | SNA    |        |
| ....5 |              | 0404-001640 | DIODE-SCHOTTKY;SS1060HEWS,60V,1000mA,SOD | 1    | SA     |        |
| ....5 |              | 0406-001317 | DIODE-TVS;SMAJ14A,15.6/-17.2V,400W,SMA   | 2    | SNA    |        |
| ....5 |              | 0406-001445 | DIODE-TVS;RClamp7512N,2.7/2.8/2.9,300W,S | 2    | SA     |        |
| ....5 |              | 0406-001578 | DIODE-TVS;P4SMAJ40A,44.4,51.1,400W,SMA   | 1    | SA     |        |
| ....5 |              | 0505-002826 | FET-SILICON;ZXMN6A07F,N,60V,1A,0.4ohm,0. | 1    | SNA    |        |
| ....5 | EL02         | 0601-002037 | LED;SMD(TOP VIEW),BLUE,1.6x0.8mm,465/470 | 2    | SNA    |        |
| ....5 |              | 1203-007955 | IC-DC/DC CONVERTER;BM81222MWV,QFN,48P,6x | 1    | SNA    |        |
| ....5 |              | 1203-007966 | IC-DC/DC CONVERTER;BM81224MUV,QFN,36P,6x | 1    | SNA    |        |
| ....5 |              | 1405-001381 | VARIATOR;11V,8VDC,30A,1.6x0.8x0.9mm,TP,2 | 3    | SA     |        |
| ....5 |              | 1405-001382 | VARIATOR;24.5V,16VDC,120A,2.0x1.25x1.1mm | 2    | SA     |        |
| ....5 |              | 2007-000039 | R-CHIP;0ohm,1%,1/10W,TP,1608             | 3    | SA     |        |
| ....5 |              | 2007-000052 | R-CHIP;10Kohm,1%,1/10W,TP,1608           | 2    | SA     |        |
| ....5 |              | 2007-000060 | R-CHIP;100Kohm,1%,1/10W,TP,1608          | 2    | SNA    |        |
| ....5 |              | 2007-000067 | R-CHIP;15Kohm,1%,1/10W,TP,1608           | 1    | SNA    |        |
| ....5 |              | 2007-000092 | R-CHIP;15Kohm,5%,1/10W,TP,1608           | 1    | SA     |        |
| ....5 |              | 2007-000113 | R-CHIP;33ohm,5%,1/10W,TP,1608            | 1    | SA     |        |
| ....5 |              | 2007-000138 | R-CHIP;100ohm,5%,1/16W,TP,1005           | 4    | SA     |        |
| ....5 |              | 2007-000148 | R-CHIP;10Kohm,5%,1/16W,TP,1005           | 1    | SA     |        |

ANNEX. Exploded View & Part List

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ....5 |              | 2007-000171 | R-CHIP;0ohm,5%,1/16W,TP,1005             | 8    | SNA    |        |
| ....5 |              | 2007-000287 | R-CHIP;100ohm,1%,1/10W,TP,1608           | 3    | SNA    |        |
| ....5 |              | 2007-000336 | R-CHIP;120Kohm,1%,1/10W,TP,1608          | 1    | SA     |        |
| ....5 |              | 2007-000543 | R-CHIP;20Kohm,1%,1/8W,TP,2012            | 1    | SNA    |        |
| ....5 |              | 2007-000570 | R-CHIP;220ohm,1%,1/10W,TP,1608           | 1    | SA     |        |
| ....5 |              | 2007-000708 | R-CHIP;3.9Kohm,1%,1/10W,TP,1608          | 1    | SNA    |        |
| ....5 |              | 2007-000736 | R-CHIP;30Kohm,1%,1/10W,TP,1608           | 1    | SA     |        |
| ....5 |              | 2007-000763 | R-CHIP;330ohm,1%,1/10W,TP,1608           | 1    | SNA    |        |
| ....5 |              | 2007-000779 | R-CHIP;33ohm,1%,1/10W,TP,1608            | 9    | SA     |        |
| ....5 |              | 2007-000821 | R-CHIP;390ohm,1%,1/10W,TP,1608           | 1    | SNA    |        |
| ....5 |              | 2007-000869 | R-CHIP;4.7Kohm,1%,1/10W,TP,1608          | 1    | SA     |        |
| ....5 |              | 2007-000939 | R-CHIP;47Kohm,1%,1/10W,TP,1608           | 1    | SA     |        |
| ....5 |              | 2007-000962 | R-CHIP;5.1Kohm,1%,1/10W,TP,1608          | 2    | SA     |        |
| ....5 |              | 2007-001068 | R-CHIP;6.8Kohm,1%,1/10W,TP,1608          | 1    | SA     |        |
| ....5 |              | 2007-001240 | R-CHIP;910ohm,5%,1/10W,TP,1608           | 1    | SNA    |        |
| ....5 |              | 2007-001298 | R-CHIP;51ohm,5%,1/16W,TP,1005            | 5    | SNA    |        |
| ....5 |              | 2007-002768 | R-CHIP;6.2Kohm,1%,1/10W,TP,1608          | 1    | SA     |        |
| ....5 |              | 2007-007135 | R-CHIP;18Kohm,1%,1/16W,TP,1005           | 1    | SNA    |        |
| ....5 |              | 2007-007136 | R-CHIP;4.7Kohm,1%,1/16W,TP,1005          | 10   | SNA    |        |
| ....5 |              | 2007-007306 | R-CHIP;100ohm,1%,1/16W,TP,1005           | 2    | SNA    |        |
| ....5 |              | 2007-007315 | R-CHIP;3.9Kohm,1%,1/16W,TP,1005          | 1    | SNA    |        |
| ....5 |              | 2007-007590 | R-CHIP;82Kohm,1%,1/16W,TP,1005           | 1    | SNA    |        |
| ....5 |              | 2007-007698 | R-CHIP;5.1Kohm,1%,1/16W,TP,1005          | 2    | SNA    |        |
| ....5 |              | 2007-007992 | R-CHIP;1ohm,1%,1/10W,TP,1608             | 1    | SA     |        |
| ....5 |              | 2007-008117 | R-CHIP;2.7Kohm,1%,1/16W,TP,1005          | 2    | SA     |        |
| ....5 |              | 2007-008263 | R-CHIP;3Kohm,1%,1/16W,TP,1005            | 1    | SA     |        |
| ....5 |              | 2007-010998 | R-CHIP;0.3ohm,1%,1/8W,TP,1608,0.45       | 1    | SNA    |        |
| ....5 |              | 2011-001264 | R-NETWORK;10ohm,5%,1/16W,L,CHIP,8P,TP,2. | 4    | SNA    |        |
| ....5 | AD480        | 2203-000254 | C-CER,CHIP;10nF,10%,16V,X7R,TP,1005      | 1    | SA     |        |
| ....5 | AD480        | 2203-000715 | C-CER,CHIP;3.3nF,10%,50V,X7R,TP,1608     | 1    | SNA    |        |
| ....5 | AD480        | 2203-001414 | C-CER,CHIP;330nF,10%,50V,X7R,TP,2012     | 1    | SNA    |        |
| ....5 | AD480        | 2203-002711 | C-CER,CHIP;100nF,10%,25V,X7R,TP,1608     | 2    | SA     |        |
| ....5 | AD480        | 2203-005138 | C-CER,CHIP;1.8nF,10%,50V,X7R,TP,1005     | 1    | SA     |        |
| ....5 | AD480        | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,TP,1608     | 1    | SNA    |        |
| ....5 | AD480        | 2203-005918 | C-CER,CHIP;1000nF,10%,6.3V,X7R,TP,1608   | 2    | SNA    |        |
| ....5 | AD480        | 2203-006048 | C-CER,CHIP;100nF,10%,10V,X7R,TP,1005     | 2    | SA     |        |
| ....5 | AD480        | 2203-006158 | C-CER,CHIP;100nF,10%,16V,X7R,TP,1005,0.5 | 13   | SNA    |        |
| ....5 | AD480        | 2203-006399 | C-CER,CHIP;1000nF,10%,6.3V,X5R,TP,1005   | 10   | SA     |        |
| ....5 | AD480        | 2203-006460 | C-CER,CHIP;2200nF,10%,16V,X5R,TP,1608,-  | 4    | SA     |        |
| ....5 | AD480        | 2203-006698 | C-CER,CHIP;1000nF,10%,25V,X7R,TP,1608,0. | 12   | SA     |        |
| ....5 | AD480        | 2203-006890 | C-CER,CHIP;10000nF,20%,6.3V,X5R,TP,1608  | 5    | SA     |        |
| ....5 | AD480        | 2203-006960 | C-CER,CHIP;1000nF,10%,50V,X7R,TP,2012    | 1    | SNA    |        |
| ....5 | AD480        | 2203-007176 | C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012,1 | 20   | SNA    |        |
| ....5 | AD480        | 2203-007240 | C-CER,CHIP;22000nF,20%,6.3V,X5R,TP,1608( | 7    | SA     |        |
| ....5 | AD480        | 2203-007306 | C-CER,CHIP;10000nF,10%,25V,X5R,TP,2012,1 | 19   | SNA    |        |
| ....5 | AD480        | 2203-007425 | C-CER,CHIP;2200nF,10%,25V,X5R,TP,1608,0. | 1    | SNA    |        |
| ....5 | AD480        | 2203-007544 | C-CER,CHIP;100nF,10%,50V,X7R,TP,1005,0.5 | 1    | SA     |        |

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ....5 |              | 2703-003747 | INDUCTOR-SMD;22uH,20%,6060,0.135ohm,1300 | 2    | SA     |        |
| ....5 |              | 2703-003862 | INDUCTOR-SMD;10uH,20%,6060,0.065ohm,1900 | 2    | SA     |        |
| ....5 |              | 2703-003913 | INDUCTOR-SMD;2.2uH,20%,2520,1.2T,0.116Oh | 1    | SNA    |        |
| ....5 |              | 2901-001362 | FILTER-EMI/ESD;5.5V,0A,50pF,2.05x1.25x0. | 1    | SNA    |        |
| ....5 |              | 3301-002039 | BEAD-SMD;26ohm,1608,TP                   | 18   | SA     |        |
| ....5 |              | 3601-001038 | FUSE-SURFACE MOUNT;125V,3A,FAST-ACTING,C | 1    | SA     |        |
| ....5 |              | 3708-003073 | CONNECTOR-FPC/FFC/PIC;51P,0.5mm,SMD,AU,N | 1    | SA     |        |
| ....5 |              | 3708-003176 | CONNECTOR-FPC/FFC/PIC;68P,0.5mm,SMD-A,AU | 2    | SA     |        |
| ....5 | EH01         | 3711-005601 | HEADER-BOARD TO CABLE;BOX,8P,1R,2mm,SMD- | 1    | SA     |        |
| ....5 |              | BN13-00064A | IC ASIC;S6T0LT3,EF11,169,3.3,-20to+70C,F | 1    | SA     |        |
| ....5 |              | BN41-02111A | PCB-T CON;2014 FHD 60Hz,FR-4,4,1.0T,150* | 1    | SNA    |        |
| ....5 |              | BN97-08159D | ASSY MICOM;0H48A6F110,24C64,5K,1103-0015 | 1    | SNA    |        |
| ....6 |              | 1103-001565 | IC-EEPROM;M24C64-WMN6TPK,100pF,SO8,8Q,4. | 1    | SA     |        |
| ..3   | OC           | BN96-30179A | ASSY OPEN CELL;LSF480HN01-G,8bit,48 INCH | 1    | SA     |        |
| ...4  |              | BN81-07434A | A/S-ADHESIVE-A.C.F(CP);ADHESIVE-A.C.F,1- | 1    | SNA    |        |
| ...4  |              | BN81-07943A | A/S-ADHESIVE-A.C.F(TP500B);ADHESIVE-A.C. | 1    | SNA    |        |
| ...4  |              | BN81-09623A | A/S-IC DRIVER SOURCE;IC DRIVER SOURCE,S6 | 1    | SNA    |        |
| ...4  |              | BN81-09624A | A/S-POLARIZER-TFT;POLARIZER-TFT,SMLK41FP | 1    | SNA    |        |
| ...4  |              | BN81-09625A | A/S-POLARIZER-C/F;POLARIZER-C/F,SMLK41FP | 1    | SNA    |        |
| ...4  |              | BN81-09626A | A/S-ASSY PCB-SOURCE(L);ASSY PCB-SOURCE(L | 1    | SNA    |        |
| ...4  |              | BN81-09627A | A/S-ASSY PCB-SOURCE(R);ASSY PCB-SOURCE(R | 1    | SNA    |        |
| ..3   | TC01A        | BN96-30692A | ASSY CHASSIS TOP P;H5K 48",PC+ABS-(GF15) | 1    | SA     |        |
| ...4  |              | BN60-00930G | SPACER-TOP(UD);Y14 VNB 48",GASKET+PET,L1 | 2    | SNA    |        |
| ...4  |              | BN60-00930H | SPACER-TOP(LR);Y14 VNB 48",GASKET+PET,L5 | 2    | SNA    |        |
| ...4  |              | BN60-01076A | SPACER-GASKET;Y14,CONDUCTIVE FABRIC,L16, | 3    | SNA    |        |
| ...4  |              | BN63-11875A | SHEET-COVER;Y14 SF-LED,POLY*,0.068,W25,L | 3    | SNA    |        |
| ...4  | AC157        | BN64-02490A | CHASSIS-TOP;Y14 F-LED 48" (5K),PC+ABS+MF | 1    | SNA    |        |
| ....5 |              | 0103-010275 | RESIN PC ABS;235GNH15/6919H,Black,BK0007 | 170  | SNA    |        |
| ..3   | OC-TC        | BN96-30720A | ASSY CABLE P-FFC;H5000,FFC,NH,54mm□1,68  | 2    | SNA    |        |
| 1     | M0017        | BN91-13225G | ASSY CHASSIS;UH5C                        | 1    | SNA    |        |
| 0.2   | M0014        | BN94-08116G | ASSY PCB MAIN;UH5C                       | 1    | SA     |        |
| ..3   |              | 0202-001608 | SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0. | 0    | SNA    |        |
| ..3   |              | BN61-09059A | HOLDER-SIDE AV;UF6100,HIPS,BK0020,HB,EO/ | 1    | SNA    |        |
| ...4  |              | 0103-004631 | RESIN HIPS;HF-1690H,K21294,BK0007,1.5mm  | 22   | SNA    |        |
| ..3   | FB01A        | BN97-07120D | ASSY DRM-KEY;NT14L_DRM-KEY(CI+)          | 1    | SNA    |        |
| ...4  |              | BN46-00328B | KEY CODE-CERTIFI;CI+,TV,NT14, EU         | 1    | SNA    |        |
| ..3   |              | BN97-07960B | ASSY SMD-MAIN;UH5C                       | 1    | SNA    |        |
| ...4  |              | 0202-001830 | SOLDER-CREAM;LFM-48W TM-HP,D20~38um,96.5 | 6    | SNA    |        |
| ...4  | DS01A        | 0401-001056 | DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO | 1    | SA     |        |
| ...4  | DS01A        | 0401-001116 | DIODE-SWITCHING;BAV99DW,75V,215mA,SOT-36 | 2    | SA     |        |
| ...4  |              | 0403-001552 | DIODE-ZENER;DDZ16,15.69/16.51V,500mW,SOD | 1    | SA     |        |
| ...4  |              | 0403-001783 | DIODE-ZENER;BZB84-C6V2,5.8/6.6V,300mW,SO | 5    | SNA    |        |
| ...4  |              | 0403-001784 | DIODE-ZENER;NZH7V5C,7.29/7.67V,500mW,SOD | 1    | SNA    |        |
| ...4  |              | 0403-001785 | DIODE-ZENER;NZH5V1B,4.94/5.2V,500mW,SOD- | 1    | SA     |        |
| ...4  |              | 0403-001797 | DIODE-ZENER;NZH3V0B,2.85/3.15V,500mW,SOD | 1    | SNA    |        |
| ...4  |              | 0404-001404 | DIODE-SCHOTTKY;BAT721C,40V,200mA,SOT-23, | 2    | SA     |        |
| ...4  |              | 0406-001200 | DIODE-TVS;RCLAMP0504F,6/-V,150W,SC-70    | 1    | SA     |        |

## ANNEX. Exploded View &amp; Part List

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ...4  |              | 0406-001628 | DIODE-TVS;AOZ8804ADI,6/-V,150W,SLP2510   | 4    | SA     |        |
| ...4  |              | 0501-000279 | TR-SMALL SIGNAL;KSA1182-Y,PNP,150mW,SOT- | 1    | SA     |        |
| ...4  |              | 0501-000445 | TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT | 6    | SC     |        |
| ...4  |              | 0505-002560 | FET-SILICON;AO6415,P,-20V,-3.3A,0.15ohm, | 3    | SA     |        |
| ...4  |              | 0505-003397 | FET-SILICON;2N7002K,N,60V,380mA,1.19ohm, | 6    | SA     |        |
| ...4  |              | 0801-002780 | IC-CMOS LOGIC;74LVC1G17,SCHMITT-TRIGGER  | 2    | SA     |        |
| ...4  |              | 0801-003330 | IC-CMOS LOGIC;Octal buffer,DQFN,20P,4.5x | 1    | SA     |        |
| ...4  |              | 1001-001860 | IC-ANALOG SWITCH;NX5L2750CGU,QFN,10P,1.4 | 1    | SNA    |        |
| ...4  |              | 1103-001531 | IC-EEPROM;S-24C256CI-J8T1U4,256Kbit,32Kx | 1    | SA     |        |
| ...4  |              | 1105-002527 | IC-DDR3 SDRAM;K4B2G1646Q-BCK0,DDR3,2Gbit | 1    | SA     |        |
| ...4  |              | 1201-003183 | IC-AUDIO AMP;DRV612,HTSSOP,14P,5x4.4mm,D | 1    | SA     |        |
| ...4  |              | 1201-003671 | IC-AUDIO AMP;NTP7414,MLF,48P,7x7mm,DUAL, | 1    | SA     |        |
| ...4  |              | 1203-004363 | IC-VOL. DETECTOR;SOT-23,3Z30,2.9x1.6mm,P | 1    | SA     |        |
| ...4  |              | 1203-006017 | IC-VOL. DETECTOR;RT9824GJ8,TSOT23,8P,2.9 | 1    | SA     |        |
| ...4  |              | 1203-006130 | IC-POS.FIXED REG.;S-1172B25-U5T1G,SOT-8  | 1    | SA     |        |
| ...4  |              | 1203-007694 | IC-DC/DC CONVERTER;SN1106041DDAR,DDA,8Z3 | 2    | SA     |        |
| ...4  |              | 1203-007984 | IC-DC/DC CONVERTER;AOZ3015PI,SO-8,8P,6.2 | 1    | SA     |        |
| ...4  |              | 1203-008103 | IC-POS.FIXED REG.;S-13A1D15-E800,HSOP,8  | 1    | SNA    |        |
| ...4  |              | 1203-008104 | IC-POS.FIXED REG.;S-13A1D18-E800,HSOP,8  | 1    | SNA    |        |
| ...4  |              | 1203-008105 | IC-POS.FIXED REG.;S-13A1D33-E800,HSOP,8  | 1    | SNA    |        |
| ...4  |              | 1204-003492 | IC-DECODER;SENK14,LFBGA,624P,21x21mm,PLA | 1    | SA     |        |
| ...4  |              | 1205-004447 | IC-SWITCH;TPS2051CDBVR,SOT23-5,5P,3x1.65 | 2    | SA     |        |
| ...4  |              | 1405-001271 | VARISTOR;35V,20Vdc,5A,1.0x0.5x0.6mm,TP,1 | 26   | SA     |        |
| ...4  |              | 2007-000137 | R-CHIP;2Kohm,5%,1/16W,TP,1005            | 5    | SNA    |        |
| ...4  |              | 2007-000138 | R-CHIP;100ohm,5%,1/16W,TP,1005           | 21   | SA     |        |
| ...4  |              | 2007-000142 | R-CHIP;2.7Kohm,5%,1/16W,TP,1005          | 3    | SA     |        |
| ...4  |              | 2007-000143 | R-CHIP;4.7Kohm,5%,1/16W,TP,1005          | 41   | SNA    |        |
| ...4  |              | 2007-000148 | R-CHIP;10Kohm,5%,1/16W,TP,1005           | 34   | SA     |        |
| ...4  |              | 2007-000153 | R-CHIP;22Kohm,5%,1/16W,TP,1005           | 9    | SNA    |        |
| ...4  |              | 2007-000157 | R-CHIP;47Kohm,5%,1/16W,TP,1005           | 6    | SNA    |        |
| ...4  |              | 2007-000162 | R-CHIP;100Kohm,5%,1/16W,TP,1005          | 6    | SNA    |        |
| ...4  |              | 2007-000168 | R-CHIP;470Kohm,5%,1/16W,TP,1005          | 3    | SA     |        |
| ...4  |              | 2007-000171 | R-CHIP;0ohm,5%,1/16W,TP,1005             | 5    | SNA    |        |
| ...4  |              | 2007-000172 | R-CHIP;10ohm,5%,1/16W,TP,1005            | 2    | SNA    |        |
| ...4  |              | 2007-000173 | R-CHIP;22ohm,5%,1/16W,TP,1005            | 10   | SNA    |        |
| ...4  |              | 2007-000174 | R-CHIP;47ohm,5%,1/16W,TP,1005            | 2    | SNA    |        |
| ...4  |              | 2007-000256 | R-CHIP;1.6Kohm,1%,1/10W,TP,1608          | 1    | SA     |        |
| ...4  |              | 2007-000475 | R-CHIP;1Mohm,1%,1/10W,TP,1608            | 1    | SA     |        |
| ...4  |              | 2007-000691 | R-CHIP;3.3Mohm,5%,1/10W,TP,1608          | 1    | SA     |        |
| ...4  |              | 2007-000695 | R-CHIP;3.3ohm,5%,1/10W,TP,1608           | 4    | SNA    |        |
| ...4  |              | 2007-000775 | R-CHIP;33Kohm,5%,1/16W,TP,1005           | 2    | SNA    |        |
| ...4  |              | 2007-000931 | R-CHIP;470ohm,5%,1/8W,TP,2012            | 1    | SC     |        |
| ...4  |              | 2007-000932 | R-CHIP;470ohm,5%,1/16W,TP,1005           | 7    | SNA    |        |
| ...4  |              | 2007-001168 | R-CHIP;75ohm,5%,1/4W,TP,3216             | 1    | SA     |        |
| ...4  |              | 2007-001292 | R-CHIP;33ohm,5%,1/16W,TP,1005            | 12   | SNA    |        |
| ...4  |              | 2007-001298 | R-CHIP;51ohm,5%,1/16W,TP,1005            | 2    | SNA    |        |
| ...4  |              | 2007-001313 | R-CHIP;330ohm,5%,1/16W,TP,1005           | 2    | SNA    |        |

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ...4  |              | 2007-001325 | R-CHIP;3.3Kohm,5%,1/16W,TP,1005          | 1    | SNA    |        |
| ...4  |              | 2007-003025 | R-CHIP;6.8ohm,5%,1/16W,TP,1005           | 2    | SA     |        |
| ...4  |              | 2007-007095 | R-CHIP;390ohm,5%,1/16W,TP,1005           | 1    | SA     |        |
| ...4  |              | 2007-007107 | R-CHIP;100Kohm,1%,1/16W,TP,1005          | 1    | SNA    |        |
| ...4  |              | 2007-007108 | R-CHIP;43.2Kohm,1%,1/16W,TP,1005         | 1    | SA     |        |
| ...4  |              | 2007-007139 | R-CHIP;47Kohm,1%,1/16W,TP,1005           | 1    | SA     |        |
| ...4  |              | 2007-007142 | R-CHIP;10Kohm,1%,1/16W,TP,1005           | 2    | SNA    |        |
| ...4  |              | 2007-007156 | R-CHIP;1ohm,5%,1/16W,TP,1005             | 7    | SNA    |        |
| ...4  |              | 2007-007306 | R-CHIP;100ohm,1%,1/16W,TP,1005           | 4    | SNA    |        |
| ...4  |              | 2007-007309 | R-CHIP;12Kohm,1%,1/16W,TP,1005,0.35T     | 1    | SA     |        |
| ...4  |              | 2007-007311 | R-CHIP;22Kohm,1%,1/16W,TP,1005           | 1    | SA     |        |
| ...4  |              | 2007-007317 | R-CHIP;2.2Kohm,1%,1/16W,TP,1005          | 2    | SA     |        |
| ...4  |              | 2007-007318 | R-CHIP;1Kohm,1%,1/16W,TP,1005            | 17   | SNA    |        |
| ...4  |              | 2007-007517 | R-CHIP;240ohm,1%,1/16W,TP,1005           | 1    | SNA    |        |
| ...4  |              | 2007-007538 | R-CHIP;56Kohm,1%,1/16W,TP,1005           | 1    | SA     |        |
| ...4  |              | 2007-008015 | R-CHIP;75ohm,1%,1/16W,TP,1005            | 10   | SA     |        |
| ...4  |              | 2007-008275 | R-CHIP;30Kohm,1%,1/16W,TP,1005           | 1    | SNA    |        |
| ...4  |              | 2007-008332 | R-CHIP;11.5Kohm,1%,1/16W,TP,1005         | 2    | SA     |        |
| ...4  |              | 2007-009138 | R-CHIP;33Kohm,1%,1/16W,TP,1005           | 2    | SNA    |        |
| ...4  |              | 2011-001261 | R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,2. | 2    | SA     |        |
| ...4  |              | 2011-001262 | R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,2. | 2    | SA     |        |
| ...4  |              | 2011-001344 | R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,2 | 6    | SA     |        |
| ...4  |              | 2011-001345 | R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,2 | 4    | SA     |        |
| ...4  |              | 2011-001396 | R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP, | 5    | SA     |        |
| ...4  |              | 2011-001449 | R-NETWORK;22ohm,5%,1/16W,L,4P,TP,1010    | 1    | SA     |        |
| ...4  |              | 2011-001527 | R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,4P,TP, | 1    | SNA    |        |
| ...4  | AD480        | 2203-000233 | C-CER,CHIP;0.1nF,5%,50V,C0G,TP,1005      | 9    | SA     |        |
| ...4  | AD480        | 2203-000278 | C-CER,CHIP;0.01nF,0.5pF,50V,C0G,TP,1005  | 1    | SA     |        |
| ...4  | AD480        | 2203-000359 | C-CER,CHIP;0.15nF,5%,50V,C0G,TP,1005,0.5 | 4    | SA     |        |
| ...4  | AD480        | 2203-000438 | C-CER,CHIP;1nF,10%,50V,X7R,TP,1005       | 7    | SA     |        |
| ...4  | AD480        | 2203-000489 | C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1005     | 1    | SA     |        |
| ...4  | AD480        | 2203-000585 | C-CER,CHIP;0.22nF,10%,50V,X7R,TP,1005    | 1    | SA     |        |
| ...4  | AD480        | 2203-000627 | C-CER,CHIP;0.022nF,5%,50V,C0G,TP,1005    | 2    | SNA    |        |
| ...4  | AD480        | 2203-000714 | C-CER,CHIP;3.3nF,10%,50V,X7R,TP,1005     | 10   | SA     |        |
| ...4  | AD480        | 2203-000812 | C-CER,CHIP;0.033nF,5%,50V,C0G,TP,1005    | 1    | SA     |        |
| ...4  | AD480        | 2203-000940 | C-CER,CHIP;0.47nF,10%,50V,X7R,TP,1005    | 6    | SA     |        |
| ...4  | AD480        | 2203-000995 | C-CER,CHIP;0.047nF,5%,50V,C0G,TP,1005    | 3    | SA     |        |
| ...4  | AD480        | 2203-001412 | C-CER,CHIP;0.03nF,5%,50V,NP0,TP,1005     | 6    | SNA    |        |
| ...4  | AD480        | 2203-002285 | C-CER,CHIP;10nF,10%,50V,X7R,TP,1005      | 12   | SNA    |        |
| ...4  | AD480        | 2203-002443 | C-CER,CHIP;0.33nF,10%,50V,X7R,TP,1005    | 8    | SA     |        |
| ...4  | AD480        | 2203-005054 | C-CER,CHIP;0.0047nF,0.25pF,50V,NP0,TP,10 | 2    | SA     |        |
| ...4  | AD480        | 2203-005249 | C-CER,CHIP;100nF,10%,50V,X7R,TP,1608     | 13   | SNA    |        |
| ...4  | AD480        | 2203-005659 | C-CER,CHIP;0.18nF,5%,50V,NP0,TP,1005     | 1    | SNA    |        |
| ...4  | AD480        | 2203-006048 | C-CER,CHIP;100nF,10%,10V,X7R,TP,1005     | 87   | SA     |        |
| ...4  | AD480        | 2203-006126 | C-CER,CHIP;47nF,10%,16V,X7R,TP,1005      | 12   | SNA    |        |
| ...4  | AD480        | 2203-006324 | C-CER,CHIP;2200nF,10%,10V,X5R,TP,1608    | 5    | SA     |        |
| ...4  | AD480        | 2203-006348 | C-CER,CHIP;1000nF,10%,25V,X5R,TP,1608,0. | 4    | SA     |        |

ANNEX. Exploded View & Part List

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ...4  | AD480        | 2203-006361 | C-CER,CHIP;10000nF,10%,10V,X5R,TP,2012   | 4    | SC     |        |
| ...4  | AD480        | 2203-006474 | C-CER,CHIP;22000nF,20%,6.3V,X5R,TP,2012  | 14   | SA     |        |
| ...4  | AD480        | 2203-006562 | C-CER,CHIP;1000nF,10%,10V,X5R,TP,1005    | 17   | SNA    |        |
| ...4  | AD480        | 2203-006636 | C-CER,CHIP;220nF,10%,25V,X7R,TP,1608     | 2    | SA     |        |
| ...4  | AD480        | 2203-006890 | C-CER,CHIP;10000nF,20%,6.3V,X5R,TP,1608  | 34   | SA     |        |
| ...4  | AD480        | 2203-007176 | C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012,1 | 6    | SNA    |        |
| ...4  | AD480        | 2203-007240 | C-CER,CHIP;22000nF,20%,6.3V,X5R,TP,1608( | 2    | SA     |        |
| ...4  | AD480        | 2203-007269 | C-CER,CHIP;22000nF,20%,10V,X5R,TP,2012(2 | 4    | SA     |        |
| ...4  | AD480        | 2203-007270 | C-CER,CHIP;10000nF,10%,10V,X5R,TP,1608,0 | 5    | SNA    |        |
| ...4  | AD480        | 2203-007306 | C-CER,CHIP;10000nF,10%,25V,X5R,TP,2012,1 | 1    | SNA    |        |
| ...4  | AD480        | 2203-007544 | C-CER,CHIP;100nF,10%,50V,X7R,TP,1005,0.5 | 2    | SA     |        |
| ...4  |              | 2503-001051 | C-NETWORK;100nFx4,20%,16V,2012           | 1    | SA     |        |
| ...4  |              | 2703-000158 | INDUCTOR-SMD;1uH,10%,2012,.4Ohm,50mA,45, | 3    | SA     |        |
| ...4  |              | 2703-000213 | INDUCTOR-SMD;470nH,10%,1608,1.35Ohm,35mA | 1    | SA     |        |
| ...4  |              | 2703-001209 | INDUCTOR-SMD;1.2uH,10%,1608,.8Ohm,25mA,3 | 3    | SA     |        |
| ...4  |              | 2703-002332 | INDUCTOR-SMD;330nH,5%,1608,3Ohm,100mA,32 | 1    | SA     |        |
| ...4  |              | 2703-003149 | INDUCTOR-SMD;2.2uH,20%,5050,0.055Ohm,300 | 1    | SA     |        |
| ...4  |              | 2703-003790 | INDUCTOR-SMD;4.7uH,20%,8080,0.025ohm,450 | 1    | SA     |        |
| ...4  |              | 2703-003930 | INDUCTOR-SMD;4.7uH,20%,5050,0.072Ohm,245 | 4    | SA     |        |
| ...4  |              | 2703-004145 | INDUCTOR-SMD;2.2uH,20%,6.5 x 6.9mm,0.20o | 1    | SNA    |        |
| ...4  |              | 2801-003773 | CRYSTAL-SMD;12MHz,30ppm,28-AAN,20pF,50oh | 1    | SA     |        |
| ...4  |              | 3301-002039 | BEAD-SMD;26ohm,1608,TP                   | 45   | SA     |        |
| ...4  |              | 3701-001861 | CONNECTOR-HDMI;19P,FEMALE,AU,0.5mm,BLK,S | 2    | SA     |        |
| ...4  |              | 3707-001106 | CONNECTOR-OPTICAL;STRAIGHT W/L,SPDIF     | 1    | SA     |        |
| ...4  |              | 3708-003073 | CONNECTOR-FPC/FFC/PIC;51P,0.5mm,SMD,AU,N | 1    | SA     |        |
| ...4  |              | 3709-001712 | CONNECTOR-CARD SLOT;68P,1.27mm,ANGLE,AU, | 1    | SA     |        |
| ...4  | EH01         | 3711-008131 | HEADER-BOARD TO CABLE;BOX,4P,1R,2.5mm,AN | 1    | SA     |        |
| ...4  | EH01         | 3711-008521 | HEADER-BOARD TO CABLE;BOX,8P,1R,2mm,ANGL | 1    | SA     |        |
| ...4  | EH01         | 3711-008634 | HEADER-BOARD TO CABLE;BOX,10P,2R,2mm,ANG | 1    | SA     |        |
| ...4  |              | 3722-003457 | JACK-USB;4P/1C,NI,BLK,A                  | 1    | SA     |        |
| ...4  | JACK PIN     | 3722-003546 | JACK-PIN;5P+Screw hole,NI+SN,G,Y/BLU/RED | 1    | SA     |        |
| ...4  |              | 3722-003655 | JACK-SCART;21P,SN,BLK                    | 1    | SA     |        |
| ...4  |              | 3722-003667 | JACK-PHONE;1P/7C,SN/NI,BLK,STRAIGHT,3.6P | 1    | SA     |        |
| ...4  | ET01         | BN40-00282A | TUNER;DTOS40EIH276A,DTOS40EIH276A,DVB-TC | 1    | SA     |        |
| ...4  |              | BN41-02098B | PCB MAIN;1.2T,122*193.5,1                | 1    | SNA    |        |
| ...4  |              | BN97-07377F | ASSY MICOM-SUB;T-NT14LDEUS-1002,2014.02. | 1    | SNA    |        |
| ....5 |              | 1107-002226 | IC-NOR FLASH;W25Q40CLSSIP,4Mbit,SOIC,8P, | 1    | SA     |        |
| ...4  |              | BN97-07377H | ASSY MICOM;T-NT14LDEUC-XXXX,F59L1G81A-25 | 1    | SNA    |        |
| ....5 |              | 1107-002252 | IC-NAND FLASH;F59L1G81A-25TIG,1Gbit,128M | 1    | SA     |        |
| ....5 |              | BN46-00371C | S/W-E-MANUAL;NT14L,EU2,XH                | 1    | SNA    |        |
| ....5 |              | BN46-00377A | S/W MICOM;T-NT14LDEUC-XXXX,2013.10.23    | 1    | SNA    |        |
| ..3   | T0066        | BP62-00017A | HEAT SINK-ES;SP-50L2HX,A6063S,T2.0,26.2, | 1    | SNA    |        |
| 1     |              | BN91-14285K | ASSY SHIELD;UJ5000,48"                   | 1    | SNA    |        |
| 0.2   | SCREW        | 6001-003016 | SCREW-MACHINE;PWH,+,M3.0,L5.0,ZPC(WHT),S | 8    | SA     |        |
| 0.2   |              | BN02-00102B | TAPE-FILAMENT;#8917,0.15,25,50,WHITE     | 0    | SNA    |        |
| 0.2   | M-F          | BN39-01873F | LEAD CONNECTOR-FUNCTION;8p / 9p,Black,08 | 1    | SA     |        |
| 0.2   | EC13         | BN39-01884B | LEAD CONNECTOR;UN40H5200AF,Lead Connecto | 1    | SA     |        |

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| 0.2   | EC13         | BN39-01885H | LEAD CONNECTOR;UN48H5200AF,Flat Connecto | 1    | SA     |        |
| 0.2   | P001A        | BN44-00699A | DC VSS-LED TV PD BD;L48SF_ESM,L48SF_ESM, | 1    | SA     |        |
| 0.2   |              | BN67-00364C | RUBBER-FOOT;X13,RUBBER,10*10,6,Gray,SQUA | 1    | SNA    |        |
| 0.2   | CD01A        | BN95-01393A | ASSY DECORATION SMT;5000,48,LIGHT TITAN  | 1    | SA     |        |
| ..3   |              | 0204-006861 | COATING;SMT-L100,CLEAR,0.928             | 2    | SNA    |        |
| ..3   |              | BN01-00160A | TARGET-CHROMIUM-CY;Chromium target,99.95 | 1    | SNA    |        |
| ..3   |              | BN01-00161A | TARGET-CHROMIUM-PL;chromium target,over  | 1    | SNA    |        |
| ..3   | FD01         | BN63-11611A | COVER-DECORATION;UH5000 48",PC+ABS+G/F15 | 1    | SNA    |        |
| ..3   |              | BN63-14064H | SHEET-COVER;PE+PP,0.068,W18,Clear,100g/i | 0    | SNA    |        |
| ..3   |              | BN63-14064K | SHEET-COVER;PE+PP,0.068,W13,Clear,100g/i | 1    | SNA    |        |
| ..3   |              | BN63-14064L | SHEET-COVER;PE+PP,0.068,W16,Clear,100g/i | 1    | SNA    |        |
| ..3   |              | BN68-03682A | LABEL-STICKER;Label,20mm,10mm            | 1    | SNA    |        |
| 0.2   | SP01A        | BN96-30334A | ASSY SPEAKER P;6ohm,10W,Enclosure_H5k    | 1    | SA     |        |
| 0.2   | FB01A        | BN96-30902B | ASSY BOARD P-FUNCTION;UH5000,Function As | 1    | SA     |        |
| 0.2   | LVDS         | BN96-31530P | ASSY CABLE P-FFC;NT14L 48H5000,LVDS CABL | 1    | SA     |        |
| 1     |              | BN92-16881G | ASSY LABEL;UH5C                          | 1    | SNA    |        |
| 0.2   |              | BN68-06708D | LABEL RATING;ALL,SS,PP,T0.05,93,73,Silve | 1    | SNA    |        |
| 0.2   |              | BN68-07035Y | LEAFLET-01;UJ5100/UJ5120/UJ5105,32"40" 4 | 1    | SNA    |        |
| 1     |              | BN92-17091Y | ASSY BOX;UJ5000,48"                      | 1    | SNA    |        |
| 0.2   |              | BH68-00662A | LABEL BOX-01;ALL MODEL,ART PAPER,60,110, | 1    | SNA    |        |
| 0.2   |              | BN68-05640A | LABEL-03,BOX;ALL MODEL,ART PAPER 90G,110 | 1    | SNA    |        |
| 0.2   |              | BN69-12412B | BOX UNIT;48J5100-VS,CB,A-01,DW1,W1298,D1 | 1    | SNA    |        |
| 1     |              | BN92-17098F | ASSY P/MATERIAL;UJ5000,48"               | 1    | SNA    |        |
| 0.2   |              | 6902-001670 | BAG ROLL;HDPE/PE FOAM,T0.01/T0.3,W800,L3 | 2    | SNA    |        |
| 0.2   |              | 6922-000013 | BAND;PP,W18,L2300/L2900,TRP              | 1    | SNA    |        |
| 0.2   |              | BN01-00156A | FOIL-STRETCH-HOOD;UE42F5000,LLDPE,T0.08, | 0    | SNA    |        |
| 0.2   | AS080        | BN63-11092A | SHEET-COVER;PS51F8500,PE,T4.0,W1200,L135 | 1    | SNA    |        |
| 0.2   |              | BN69-08445A | PAD;COMM,CB,SW2,T3,W900,L1200,-,-,-,YE   | 1    | SNA    |        |
| 0.2   |              | BN69-12150A | PALLET-WOODEN;UE48J6200,WOOD,1170,1310,1 | 1    | SNA    |        |
| 0.2   |              | BN69-12358A | CUSHION-FRONT;48J5100,EPS,16.7g/l,WHITE  | 1    | SNA    |        |
| ..3   |              | 0103-005099 | RESIN EPS;BASF303,Natural,Natural        | 72   | SNA    |        |
| 0.2   |              | BN69-12420A | CUSHION SET;48J5000-VS,EPS,16.7g/L       | 1    | SNA    |        |
| 0.2   |              | BN74-00008N | TAPE OPP;Silent,T0.065,W60,L1500M,NTR,Ac | 3    | SNA    |        |
| 1     | ACCE1        | BN92-18220V | ASSY ACCESSORY;UJ4*                      | 1    | SNA    |        |
| 0.2   |              | BN68-05417A | LABEL-02,ENERGY;ALL,EDC,PP,T0.135,60,125 | 1    | SNA    |        |
| 0.2   |              | BN96-36891U | ASSY ACCESSORY MANUAL;J4*                | 1    | SNA    |        |
| ..3   |              | 6902-001964 | BAG PE;LDPE,BIOBASED,T0.03,W200,L300,TRP | 1    | SNA    |        |
| ..3   |              | BN68-03548J | LEAFLET-08,WARRANTY CARD;comm,Samsung,17 | 1    | SNA    |        |
| ..3   |              | BN68-04972A | MANUAL FLYER-09,REGULATORY GUI;ALL,SAMSU | 1    | SNA    |        |
| ..3   |              | BN68-05730D | LEAFLET-FICHE CARD;NT14L REFRSH,EUROPE,M | 1    | SNA    |        |
| ..3   |              | BN68-06489W | MANUAL USERS-01;J5100 J4100,XH,ENG/POL/S | 1    | SNA    |        |
| 0.2   |              | BN96-36896B | ASSY ACCESSORY CABLE;J4*                 | 1    | SNA    |        |
| ..3   | T0268        | 3903-000849 | CBF-POWER CORD;DT,CEE,LP-21L,250V,2.5A,B | 1    | SC     |        |
| ..3   |              | 4301-000121 | BATTERY-MN;1.5V,R03,10.5x44.5m,7.5g,AAA  | 2    | SNA    |        |
| ..3   |              | 6902-001965 | BAG PE;LDPE,BIOBASED,T0.05,W200,L300,TRP | 1    | SNA    |        |
| ..3   | REMO2        | AA59-00741A | REMOCON;TM1240,44,3.0V,F5020/EU          | 1    | SA     |        |
| ..3   |              | BN68-02989A | LABEL-PQS;ALL,ALL,Paper,30,65,WHITE,SEH  | 1    | SNA    |        |

ANNEX. Exploded View & Part List

| Level | Location No. | Code No.    | Description & Specification              | Q'ty | SA/SNA | Remark |
|-------|--------------|-------------|--|------|--------|--------|
| ..3   |              | BN96-15806B | ASSY HOLDER P-WIRE STAND;UE5500,NYLON,BL | 1    | SNA    |        |
| ...4  |              | BN61-04731D | TAPE-DOUBLE FACE;ACRYL,T1.1,W20.0mm,WHIT | 0    | SNA    |        |
| ...4  |              | BN61-05491C | HOLDER-WIRE STAND;UE5500,PA,BLK          | 1    | SNA    |        |
| ..3   |              | BN96-32380B | ASSY ACCESSORY-SCREW;BN69-10588A,BN61-09 | 2    | SNA    |        |
| ...4  | HOLDER-BOLT  | BN61-09494D | HOLDER-BOLT;BH+,SWRCH18A,L14,M4,B TYPE   | 8    | SA     |        |
| ...4  |              | BN69-10588A | BAG SCREW;LDPE,-,0.05,70,90,TRP,-,-,LED  | 2    | SNA    |        |

# 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



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

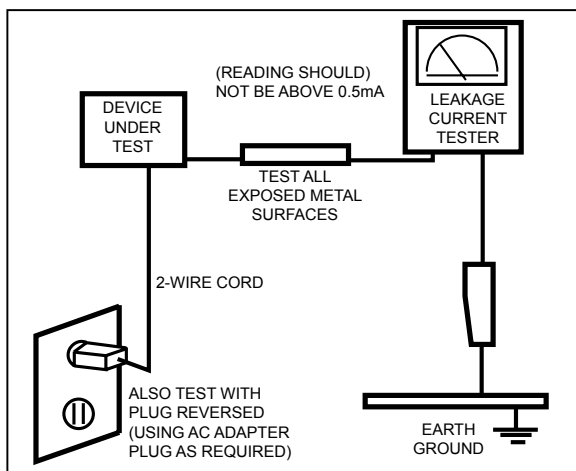
### 1-1-2. Servicing the LED TV

1. When servicing the LED 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 monitor to the user, perform the following safety checks:

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




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).

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 safetyrelated 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  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



An electrolytic capacitor installed with the wrong polarity might explode.



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



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. Static Electricity 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 monitor.
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.



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.

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## 1-4. Installation Precautions

1. For safety reasons, more than a 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 (0.4m) between the product and the wall for ventilation purposes. A rise in temperature within the product may cause fire.
8. If an equipment is provided with a replaceable battery, and if replacement by an incorrect type could result in an explosion (for example, with some lithium batteries), the following applies:

**CAUTION**

- Risk of explosion if battery is replaced by an incorrect type dispose of used batteries according to the instructions.
- Do not dispose of batteries in a fire.
- Do not short circuit, disassemble or overheat the batteries.
- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- Do not be exposed to excessive heat such as sunshine, fire or the like.

## 2. Product Specifications

### 2-1. Product information

| Model                     | UE**J5100AW  |               |  |
|---------------------------|--|---------------|--|
| Front View                |  <p>* W : Width H : High D : Depth</p> |               |  |
| Detail View               |                                       |               |  |
| Color                     | Front : Black, Stand : Black, Deco : CHROME SILVER<br>Front : Black, Stand : GLOSSY BLACK, Deco : LIGHT TITAN (55")      |               |  |
| Dimensions<br>(W x H x D) | 32"  | With Stand    | 723.0 x 473.9 x 207.5 mm / 28.46 x 18.66 x 8.17 inches   |
|                           |  | Without Stand | 723.0 x 427.5 x 64.6 mm / 28.46 x 16.83 x 2.54 inches    |
|                           | 40"  | With Stand    | 908.2 x 585.6 x 288.0 mm / 35.76 x 23.06 x 11.34 inches  |
|                           |  | Without Stand | 908.2 x 532.9 x 64.8 mm / 35.76 x 20.98 x 2.55 inches    |
|                           | 48"  | With Stand    | 1076.7 x 683.3 x 310.5 mm / 42.39 x 26.90 x 12.22 inches |
|                           |  | Without Stand | 1076.7 x 626.5 x 65.2 mm / 42.39 x 24.67 x 2.57 inches   |
|                           | 50"  | With Stand    | 1118.4 x 705.6 x 310.5 mm / 44.03 x 27.78 x 12.22 inches |
|                           |  | Without Stand | 1118.4 x 650.1 x 65.4 mm / 44.03 x 25.59 x 2.57 inches   |
| Weight                    | 32"  | With Stand    | 5.3 kg / 11.68 lbs                                       |
|                           |  | Without Stand | 4.9 kg / 10.80 lbs                                       |
|                           | 40"  | With Stand    | 8.6 kg / 18.96 lbs                                       |
|                           |  | Without Stand | 7.6 kg / 16.76 lbs                                       |
|                           | 48"  | With Stand    | 12.0 kg / 26.46 lbs                                      |
|                           |  | Without Stand | 10.9 kg / 24.03 lbs                                      |
|                           | 50"  | With Stand    | 13.7 kg / 30.20 lbs                                      |
|                           |  | Without Stand | 12.6 kg / 27.78 lbs                                      |
|                           | 55"  | With Stand    | 14.7 kg / 32.41 lbs                                      |
|                           |  | Without Stand | 13.6 kg / 29.98 lbs                                      |

## 2-2. Product specification

### 2-2-1. Detailed Specifications


**NOTE**

Design and specifications are subject to change without prior notice.

| Item                |                                 | UE**J5100AWXXH                    |
|---------------------|---------------------------------|-----------------------------------|
| General Information | Product                         | LED                               |
|                     | Series                          | 5                                 |
|                     | Country                         | HUNGARY                           |
| Display             | Screen Size                     | 32" / 40" / 48" / 50" / 55" (TBD) |
|                     | Resolution                      | 1,920 x 1,080                     |
|                     | Ultra Clear Panel               | N/A                               |
| Video               | Picture Engine                  | HyperReal Engine                  |
|                     | PQI (Picture Quality Index)     | 200                               |
|                     | Dynamic Contrast Ratio          | Mega DCR                          |
|                     | Micro Dimming                   | N/A                               |
|                     | Precision Black (Local Dimming) | N/A                               |
|                     | Nano Crystal Color              | N/A                               |
|                     | Wide Color Enhancer (Plus)      | Yes                               |
|                     | PurColor                        | N/A                               |
|                     | Auto Depth Enhancer             | N/A                               |
|                     | Contrast Enhancer               | N/A                               |
|                     | Auto Motion Plus                | N/A                               |
|                     | Film Mode                       | Yes                               |
|                     | Natural Mode Support            | Yes                               |
|                     | Peak Illuminator                | N/A                               |
| Audio               | Dolby Digital Plus              | Dolby Digital Plus / Dolby Pulse  |
|                     | Virtual Surround                | DTS Studio Sound                  |
|                     | DTS Codec                       | DTS Premium Sound 5.1             |
|                     | 3D Sound                        | N/A                               |
|                     | Sound Customizer                | N/A                               |
|                     | Sound Output (RMS)              | 20W(10W+10W)                      |
|                     | Speaker Type                    | Down Firing + Full Range          |
|                     | Woofer                          | N/A                               |
|                     | HD Audio                        | N/A                               |
|                     | Wallmount Sound Mode            | N/A                               |

| Item               |  | UE**J5100AWXXH                 |
|--------------------|--|--------------------------------|
| Audio              | Multiroom Link                           | N/A                            |
|                    | TV SoundConnect                          | N/A                            |
| Smart TV           | Samsung SMART TV                         | N/A                            |
|                    | Apps                                     | N/A                            |
|                    | Game                                     | N/A                            |
|                    | Multi-Link Screen                        | N/A                            |
|                    | ACR (Advertisement)                      | N/A                            |
|                    | Info Widget                              | N/A                            |
|                    | Vertical Enhancement                     | N/A                            |
|                    | Connected EPG                            | N/A                            |
| Smart Interaction  | Voice Interaction                        | N/A                            |
|                    | Voice Control                            | N/A                            |
|                    | Face recognition                         | N/A                            |
|                    | Motion control                           | N/A                            |
| Convergence        | TV to Mobile - Mirroring                 | N/A                            |
|                    | Mobile to TV - Mirroring, DLNA           | N/A                            |
|                    | RVU                                      | N/A                            |
|                    | Samsung SMART View                       | N/A                            |
|                    | Wireless TV On - WOL                     | N/A                            |
|                    | Notification - BLE                       | N/A                            |
|                    | Briefing On TV                           | N/A                            |
|                    | WiDi                                     | N/A                            |
|                    | WiFi Direct                              | N/A                            |
| Tuner/Broadcasting | Digital Broadcasting                     | DVB-T/C                        |
|                    | 2 Tuner                                  | N/A                            |
|                    | CI/CI+/2CI+                              | CI+(1.3)                       |
|                    | Analog Tuner                             | Yes                            |
|                    | MHP / MHEG / HbbTV / ACAP / GINGA / OHTV | N/A                            |
| Connectivity       | HDMI                                     | 2                              |
|                    | USB                                      | 1                              |
|                    | Component In (Y/Pb/Pr)                   | 1                              |
|                    | Composite In (AV)                        | 1 (Common Use for Component Y) |
|                    | Ethernet (LAN)                           | N/A                            |
|                    | Headphone                                | 1                              |
|                    | Audio Out (Mini Jack)                    | N/A                            |

## 2. Product specifications

| Item               |   | UE**J5100AWXXH                    |
|--------------------|---|-----------------------------------|
| Connectivity       | Digital Audio Out (Optical)                         | 1                                 |
|                    | RF In (Terrestrial / Cable input / Satellite input) | 1/1(Common Use for Terrestrial)/0 |
|                    | Ex-Link ( RS-232C )                                 | No                                |
|                    | IR Out  | No                                |
|                    | CI Slot   | 1                                 |
|                    | Scart   | 1                                 |
|                    | MHL   | N/A                               |
|                    | HDMI 3D Auto Setting                                | N/A                               |
|                    | HDMI A / Return Ch. Support                         | N/A                               |
|                    | HDMI Quick Switch                                   | N/A                               |
|                    | Wireless LAN Adapter Support                        | N/A                               |
|                    | Wireless LAN Built-in                               | N/A                               |
|                    | Anynet+ (HDMI-CEC)                                  | N/A                               |
| Design             | Design  | Luxe Line                         |
|                    | Bezel Type  | VNB                               |
|                    | Slim Type   | Slim                              |
|                    | Front Color   | Black                             |
|                    | Light Effect (Deco)                                 | N/A                               |
|                    | Stand Type  | V-Shape                           |
|                    | Swivel (Left/Right)                                 | N/A                               |
| Additional Feature | Samsung 3D  | N/A                               |
|                    | 3D Converter  | N/A                               |
|                    | Camera Built-in                                     | N/A                               |
|                    | Instant On  | N/A                               |
|                    | Processor   | N/A                               |
|                    | 21:9 Immersive Picture Mode                         | N/A                               |
|                    | SCSA Support  | N/A                               |
|                    | Accessibility                                       | N/A                               |
|                    | Digital Clean View                                  | Yes                               |
|                    | One Connect (Jack)                                  | N/A                               |
|                    | Auto Channel Search                                 | Yes                               |
|                    | Auto Power Off                                      | Yes                               |
|                    | BD Wise Plus  | N/A                               |
|                    | Caption (Subtitle)                                  | Yes                               |
|                    | Channel List USB-Clone                              | Yes                               |

| Item               |  | UE**J5100AWXXH        |
|--------------------|--|-----------------------|
| Additional Feature | Connect Share™ (HDD)                   | N/A                   |
|                    | ConnectShare™ (USB 2.0)                | Yes                   |
|                    | Sports Mode                            | Basic                 |
|                    | Embedded POP                           | Yes                   |
|                    | EPG                                    | Yes                   |
|                    | Extended PVR                           | N/A                   |
|                    | Game Mode                              | Yes                   |
|                    | OSD Language                           | 27 European Languages |
|                    | Picture-In-Picture                     | Yes                   |
|                    | BT HID Built-in                        | N/A                   |
|                    | USB HID Support                        | N/A                   |
|                    | Smart Evolution Support                | N/A                   |
|                    | Teletext (TTXT)                        | Yes                   |
|                    | Time Shift                             | N/A                   |
|                    | Ultra Clean View                       | N/A                   |
| Eco Feature        | Eco Mark                               | EU Ecolabel           |
|                    | Eco Label                              | Yes                   |
|                    | Eco Sensor                             | Yes                   |
|                    | Energy Efficiency Class                | A+                    |
| Accessory          | 3D Active Glasses (Included)           | N/A                   |
|                    | Remote Controller Model                | TM1240A               |
|                    | Batteries (for Remote Control)         | Yes                   |
|                    | Samsung Smart Touch Control (Included) | N/A                   |
|                    | Ultra Slim Wall Mount Supported        | N/A                   |
|                    | Mini Wall Mount Supported              | Yes                   |
|                    | Vesa Wall Mount Supported              | Yes                   |
|                    | Floor Stand Support                    | N/A                   |
|                    | TV Camera (Included)                   | N/A                   |
|                    | IR Extender Cable (Included)           | N/A                   |
|                    | Wireless Keyboard (Included)           | N/A                   |
|                    | Composite to Scart Gender (Included)   | N/A                   |
|                    | User Manual                            | Yes                   |
|                    | E-Manual                               | Yes                   |
|                    | ANT-Cable                              | N/A                   |
|                    | Power Cable                            | Yes                   |
|                    | Slim Gender Cable                      | N/A                   |

2-2-2. Specifications

■ Specifications

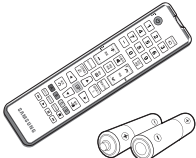



|                              |   |           |           |           |           |
|------------------------------|---|-----------|-----------|-----------|-----------|
| Model                        | UE**J5100AW   |           |           |           |           |
| Item                         | Description   |           |           |           |           |
| Screen Size (Diagonal)       | 32 inches   | 40 inches | 48 inches | 50 inches | 55 inches |
| LCD Panel                    | FHD 60Hz  |           |           |           |           |
| Display Colors               | 16.7M color   |           |           |           |           |
| Display Resolution           | 1,920 x 1,080   |           |           |           |           |
| Input Signal                 | Analog 0.7 Vp-p ± 5% positive at 75Ω, internally terminated |           |           |           |           |
| Input Sync Signal            | H/V Separate, TTL, P. or N.                                 |           |           |           |           |
| AC Power Voltage & Frequency | AC220~240V 50/60Hz  |           |           |           |           |
| Sound (Output)               | 20W(10W+10W)  |           |           |           |           |

## 2-3. Accessories



### NOTE

- The items' colors and shapes may vary depending on the model.
- Cables not included in the package contents can be purchased separately.
- The part code for some accessories may differ depending on your region.

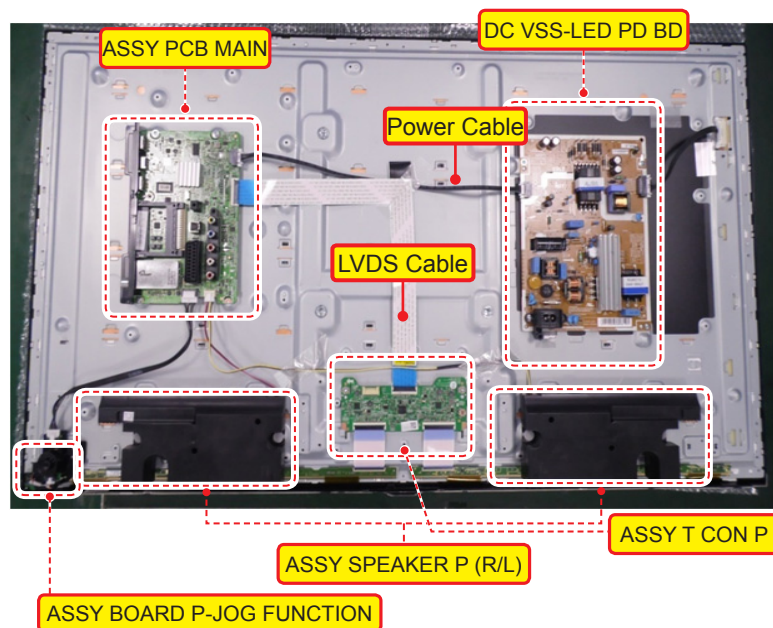
| Product   | Description  | Code. No    | Remark |
|---|--|-------------|--------|
|    | Remote Control & Batteries<br>(AAA x 2)            | AA59-00741A | -      |
|   |  | 4301-000121 |        |
|    | Power Cord   | 3903-000849 |        |
|   | Manual Users                                       | BN68-06489W |        |
|   | Warranty Card<br>(Not available in some locations) | BN68-03548J |        |
|  | Holder-Wire Stand                                  | BN61-08370A |        |

## 4. Troubleshooting

### 4-1. Troubleshooting

#### ■ Previous Check

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 ASSY PCB MAIN.



| ASSY PCB MAIN (CN202) |      |    |                  |
|-----------------------|------|----|------------------|
| 9                     | A13V | 10 | UNDER_DRIVER     |
| 7                     | A13V | 8  | PWM_DIM          |
| 5                     | A13V | 6  | SW_POWER_TO_SMPS |
| 3                     | A13V | 4  | GND              |
| 1                     | GND  | 2  | GND              |

3. Check the power in & output between DC VSS-LED PD BD (SMPS) & ASSY PCB MAIN, ASSY PCB MAIN & Panel, IP & Panel.

## ■ How to know it is from Assy Pcb Main or T-Con when some problems happen

1. No Picture : Backlight is on, but there is no picture and LED indicator in front of TV is blinking.
  - Check the LVDS Cable connection. If still problems, change the T-Con Board and then Main Board step by step.
2. Picture distortion : Enter the service mode → Choose 'SVC' → Check the 'internal pattern.'
  - Enter 'Service Mode.'
    - If you do not have Factory remote control
 

Power OFF

 → 

Info

 → 

MENU

 → 

Mute

 → 

Power On
    - If you have Factory remote control
 

INFO

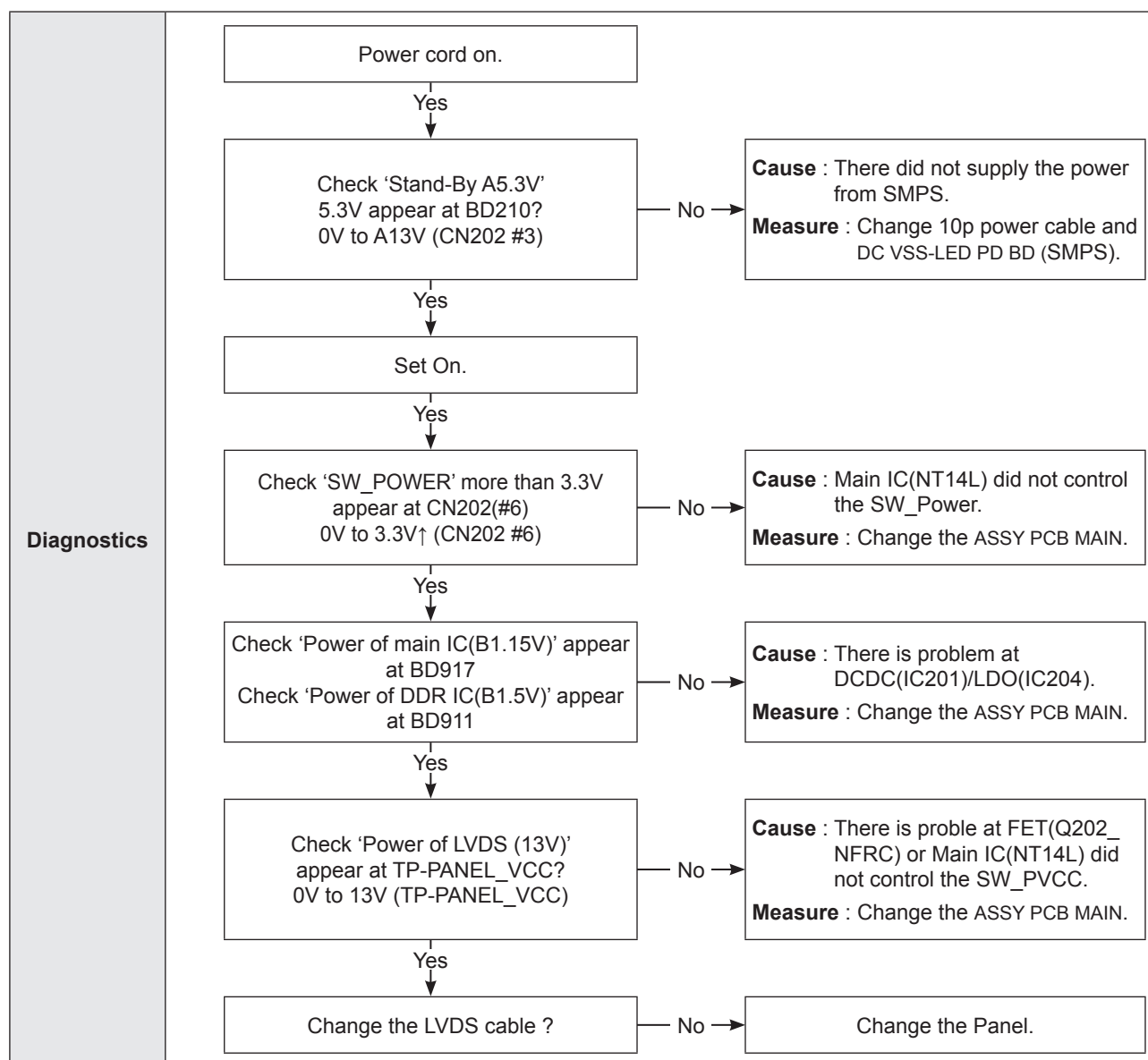
 → 

Factory
3. Choose 'SVC.'
4. Choose 'Test pattern.'
5. Select the each pattern and then check all pattern is ok or not.

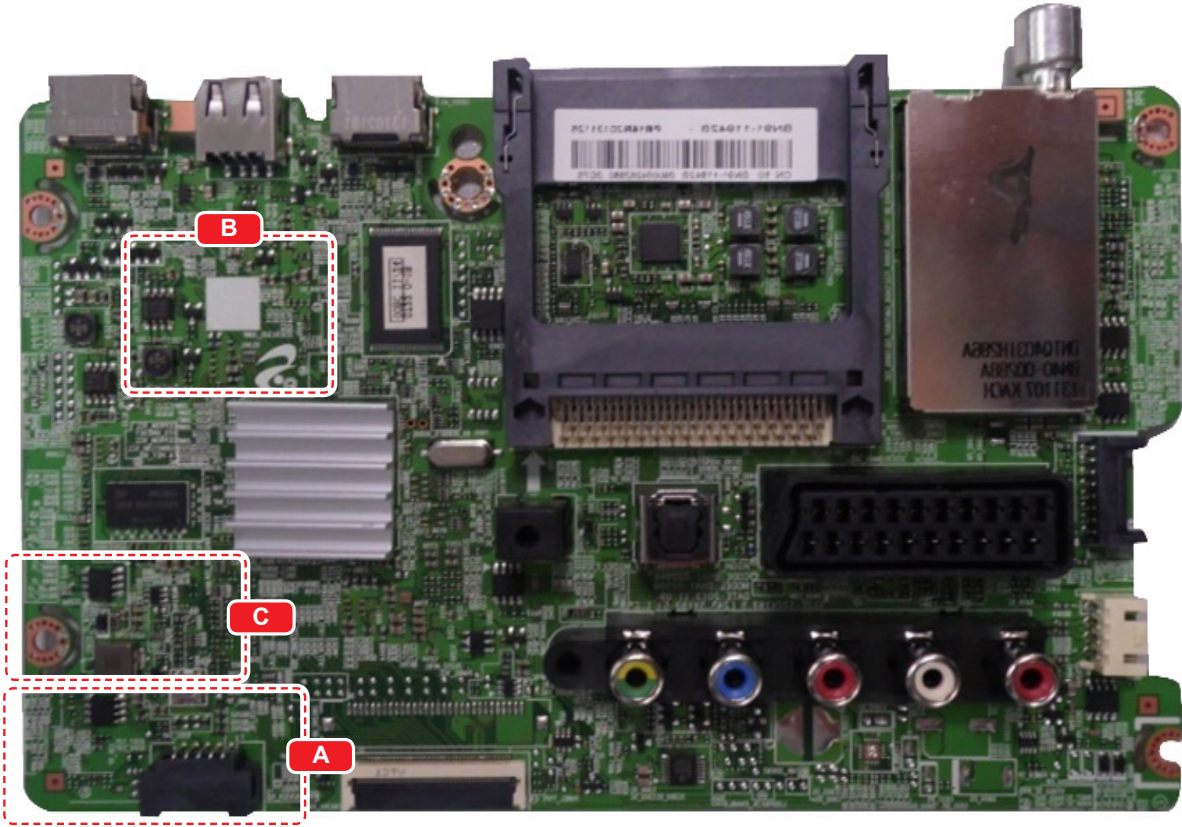
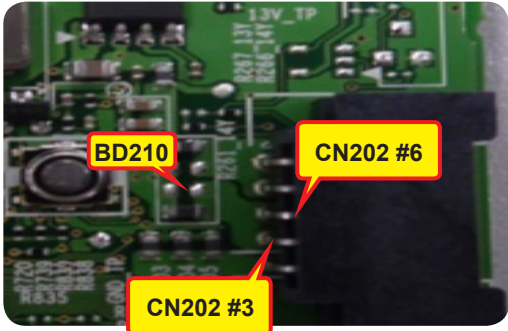
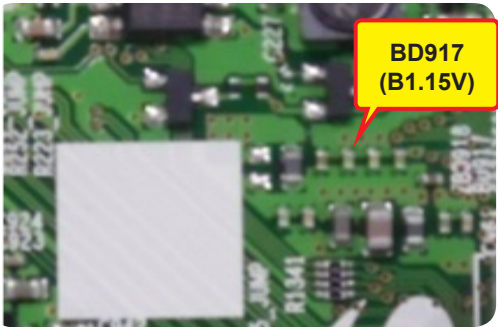
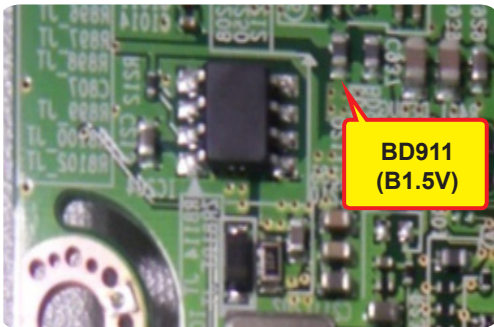


| Pattern Status is | Change the            | Test Pattern is made by the NOVATEK IC    |
|-------------------|-----------------------|---|
| OK                | ASSY PCB MAIN         | We guess front of NOVATEK IC has problem. |
| NG                | Panel and T-Con Board | We guess back of NOVATEK IC has problem.  |

## 4-2. How to Check Fault Symptom



■ Location of Parts

| Assy Main Board_Front   |   |   |  |
|---|---|---|--|
|  |   |   |  |
| Detail  |   |   |  |
| A   |  | B |  |
|   |  |   |  |

## 4-3. Factory Mode Adjustments

### 4-3-1. Detail Factory Option



#### NOTE

If you replace the main board with new one, please change the factory option as well.  
The options you must change are "Type".

#### ■ UE\*\*J5100AWXXH

| Model Name |                | 32"                           | 40"                         | 48"          | 50"         | 55"         |
|------------|----------------|-------------------------------|-----------------------------|--------------|-------------|-------------|
| Panel      | Vendor         | SDC                           | SDC<br>SHARP                | SDC          | AUO         | AUO         |
|            | Code           | BN95-01325A                   | BN95-01316A<br>BN95-01858A  | BN95-01317A  | BN07-01359A | BN07-01413A |
|            | Spec.          | LSF320HN03-G                  | LSF400HM03-G<br>LQ400D3HD1K | LSF480HN01-G | GH050BGA-B1 | GJ055BGA-B1 |
| SMPS       | Vendor         | SEM                           | SEM                         | SEM          | HANSOE      | HANSOE      |
|            | Code           | BN44-00697A                   | BN44-00698A                 | BN44-00699A  | BN44-00704A | BN44-00704A |
|            | Spec.          | L32SF_ESM                     | L42SF_ESM                   | L48SF_ESM    | L55S1_EHS   | L55S1_EHS   |
| MAIN ASSY  | Chassis Ass'y  | BN91-13225E                   | BN91-13225F<br>BN91-13226X  | BN91-13225G  | BN91-13225H | BN91-13227Q |
|            | PBA Ass'y code | BN94-08116E                   | BN94-08116F<br>BN94-08118X  | BN94-08116G  | BN94-08116H | BN94-09316Q |
| Byte       | Item           |                               |                             |              |             |             |
| 0          | Factory Reset  | -                             |                             |              |             |             |
| 1          | Type           | 32A6AF0V                      | 40A6AF0V<br>40H6AF0V        | 48A6AF0V     | 50R6AF0V    | 55R6AF0VJ   |
| 2          | Basic Model    | UJ5100                        |                             |              |             |             |
| 3          | SVC Model      | 5100                          |                             |              |             |             |
| 4          | Local Set      | depending on the country (EU) |                             |              |             |             |
| 5          | Tuner          | DVB-T/C                       |                             |              |             |             |
| 6          | Ch Table       | NONE                          |                             |              |             |             |

### 4-3-2. 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



- If you don't have Factory remote control, can't control some menus

#### ■ Initial SERVICE MODE DISPLAY State

| Option   | T-NT14LDEUC-xxxx.x                |
|----------|-----------------------------------|
| Control  | T-NT14LDEUS-xxxx                  |
| Debug    | E-Manual : NLDVBEUxH-xxxx         |
| SVC      | EDID SUCCESS                      |
| ADC/WB   | CALIB : AV/COMP/PC/HDMI/          |
| Advanced | Option : 40A6AF0V,EU_UK,5100,NONE |
|          | DTP-SDAL-NT14L-MAIN-xxxx-xxxx     |
|          | RFS:"NT14L xxxx" K/20xx-xx-xx     |
|          | KERNEL:xxxx.xxxx,/Onboot: xxxx    |
|          | TCON Version:----                 |
|          | NSP-DTVTD-xxxx                    |
|          | Model: UE40J5100                  |
|          | Wireless MAC ----                 |
|          | CIP FAIL                          |
|          | Factory Data Ver:xxx              |
|          | EERC Version: xxx                 |
|          | NSP-BP-HAL-xxxx                   |
|          | NSP-AP-CNC-xxxx                   |
|          | NSP-AP-MM-xxxx                    |
|          | NSP-BP-MW-xxxx                    |
|          | NSP-BP-APP-xxxx                   |
|          | NSP-PNG-xx-xxxx                   |
|          | Date of purchase:-/-/----         |

### 4-3-3. Factory Data



#### Note

- Version of the software is written in 0002.
- Black : I should not be possible to adjust or change that does not require a change item
- Blue : Adjustment Services for the corresponding
- Red : Items that are secured

#### ■ Option

| Factory Menu Name | Data      | Range                    | Remark | Key |
|-------------------|-----------|--------------------------|--------|-----|
| Factory Reset     | -         | -                        |        |     |
| Type              | 40A6AF0V  | .....                    |        |     |
| Local Set         | Local Set | Select Local             |        |     |
| SW Model          | UJ5100    | UJ4100/UJ5100            |        |     |
| BOM Model         | 5100      | 4100/5100                |        |     |
| TUNER             | -         | depending on the country |        |     |
| Ch Table          | NONE      |                          |        |     |
| <b>MRT Option</b> |           |                          |        |     |
| Front Color       | U-S-C-5K  |                          |        |     |
| Lvds Format       | JEIDA     |                          |        |     |
| Language_Arabic   | EU        | EU/AUSTRALIA             |        |     |
| Region            | PANEURO   |                          |        |     |
| PnP Language      | ENG       |                          |        |     |
| WIFI REGION       | E         | A~Z/AA/AB                |        |     |
| OTN Support       | OFF       | ON/OFF                   |        |     |
| MediaPlay DLNA    | ...       |                          |        |     |
| TTX               | ON        | ON/OFF                   |        |     |
| China HD          | OFF       | ON/OFF                   |        |     |
| NT Conversion     | OFF       | ON/OFF                   |        |     |
| Num of DTV        | 1         | 0~2                      |        |     |
| Num of AV         | 1         | 0~3                      |        |     |
| Num of COMP       | 1         | 0~3                      |        |     |
| Num of HDMI       | 2         | 0~4                      |        |     |
| Num of SCART      | 1         | 0~2                      |        |     |
| Num of USB Port   | 1         | 0~2                      |        |     |
| Num of RVU        | 0         | 0~1                      |        |     |
| Num Of Display    | 2         | 1~2                      |        |     |
| Num of IPTV       | 0         | 0~1                      |        |     |
| Num of RUI        | 0         | 0~1                      |        |     |

#### 4. Troubleshooting

| Factory Menu Name         | Data         | Range  | Remark | Key |
|---------------------------|--------------|--|--------|-----|
| TOOLS Support             | 1849         |  |        |     |
| LNA Support               | 0            | 0~1  |        |     |
| 24Px4 Support             | OFF          | ON/OFF   |        |     |
| BD Wise Support           | OFF          | ON/OFF   |        |     |
| Data Service Support      | OFF          | ON/OFF   |        |     |
| PVR Support               | OFF          | ON/OFF   |        |     |
| CI Support                | ON           | ON/OFF   |        |     |
| OTA Support               | General      | General/OFF  |        |     |
| LEDMotionPlus Support     | ON           | ON/OFF   |        |     |
| Natural Mode Support      | ON           | ON/OFF   |        |     |
| Relax Mode Support        | OFF          | ON/OFF   |        |     |
| HDMI/DVI SEL              | 2            | 1~4  |        |     |
| Select LCD/PDP            | LCD          | LCD/PDP  |        |     |
| Wall Mount                | 0            | 0~1  |        |     |
| HV Flip                   | HV Flip      | OFF/HV Flip/V Flip/H Flip                              |        |     |
| PVR RECORD NUM            | 0            | 0~2  |        |     |
| Light Effect              | OFF          | ON/OFF   |        |     |
| e-POP Default             | ON           | ON/OFF   |        |     |
| CAMERA Support            | OFF          | ON/OFF   |        |     |
| NETWORK Support           | ExtOnly-Wifi | Not Support/Cable/Ext-Wifi/Int-Wifi/ExtOnly-Wifi/Error |        |     |
| EcoSensor Support         | ON           | ON/OFF   |        |     |
| 3D Support                | OFF          | ON/OFF   |        |     |
| BT Support                | OFF          | ON/OFF   |        |     |
| BT ADDRESS                | Not Support  | Not Support  |        |     |
| HP LINE                   | Headphone    | Headphone/LineOut/NONE                                 |        |     |
| Capture Recording Support | OFF          | ON/OFF   |        |     |
| <b>Engineer Option</b>    |              |  |        |     |
| Type Of PANEL KEY         | Horizontal   | Horizontal/Vertical/PDPVertical/PDPHorizon/None        |        |     |
| 5 Way Function Key        | R_BOTTOM     | L_BOTTOM/R_BOTTOM/L_BACK/R_BACK/4                      |        |     |
| Contents Bar              | 0            | 0~1  |        |     |
| Cable Modulation          | ...          |  |        |     |
| Standby led on/off        | OFF          | ON/OFF   |        |     |
| Recognition Support       | OFF          | ON/OFF   |        |     |
| IF AGC                    | 0            | 0~10   |        |     |
| D AGC                     | 0            | 0~10   |        |     |
| PH BW                     | 3            | 0~10   |        |     |

| Factory Menu Name     | Data        | Range                          | Remark | Key |
|-----------------------|-------------|--------------------------------|--------|-----|
| FQ BW                 | 3           | 0~10                           |        |     |
| PH RATE               | 4           | 0~10                           |        |     |
| PD EN                 | 1           | 0~10                           |        |     |
| PEQ Inx               | 43          |                                |        |     |
| WF Scale              |             |                                |        |     |
| Num of Network Stream | 0           | 0~1                            |        |     |
| DP V Size             | 1           | 0~1                            |        |     |
| Backend Device        | ECHO_FS     | NONE/ECHO_FP/ECHO_FS/<br>PARMA |        |     |
| BT_AUDIO_ON_OFF       | OFF         | ON/OFF                         |        |     |
| Config_AV_PATH        |             |                                |        |     |
| V_HDMI IDENT TYPE     | 2134        |                                |        |     |
| V_HDMI PATH TYPE      | BACD        |                                |        |     |
| V_EDID TYPE           | LCD_FHD     | LCD_FHD/LCD_HD                 |        |     |
| V_ATV                 | CVBS_PORT_2 |                                |        |     |
| V_AV1                 | AV_COMP_G1  |                                |        |     |
| V_AV2                 | CVBS_PORT_3 |                                |        |     |
| V_COMP1               | ADC_PORT_1  |                                |        |     |
| V_COMP2               | None        |                                |        |     |
| V_PC                  | ADC_PORT_0  |                                |        |     |
| V_SCART1_CVBS         | CVBS_PORT_3 |                                |        |     |
| V_SCART1_RGB          | ADC_PORT_2  |                                |        |     |
| V_SCART2_CVBS         | None        |                                |        |     |
| V_SCART2_RGB          | None        |                                |        |     |
| A_ATV                 | SIF         |                                |        |     |
| A_DTV                 | DECODER     |                                |        |     |
| A_AV1                 | AUIN1       |                                |        |     |
| A_AV2                 | AUIN0       |                                |        |     |
| A_COMP1               | AUIN1       |                                |        |     |
| A_COMP2               | None        |                                |        |     |
| A_PC                  | AUIN0       |                                |        |     |
| A_SCART1              | AUIN0       |                                |        |     |
| A_SCART2              | None        |                                |        |     |
| A_DVI                 | None        |                                |        |     |
| A_HDMI                | None        |                                |        |     |
| A_Media               | DECODER     |                                |        |     |
| USING_PSI_UPDATE      | ...         |                                |        |     |
| Fast Logo Delay       | 0           | 0~20                           |        |     |

#### 4. Troubleshooting

| Factory Menu Name | Data | Range | Remark | Key |
|-------------------|------|-------|--------|-----|
| Num Of PANEL KEY  | 6    | 0~20  |        |     |

### ■ Control

| Factory Menu Name       | Data      | Range   | Remark | Key |
|-------------------------|-----------|---|--------|-----|
| <b>EDID</b>             |           |   |        |     |
| EDID ON/OFF             | ON        | ON/OFF  |        |     |
| EDID WRITE ALL          | Success   |   |        |     |
| EDID WRITE PC           | ...       |   |        |     |
| EDID WRITE HDMI         | Success   |   |        |     |
| EDID WRITE HDMI1        | ...       |   |        |     |
| EDID WRITE HDMI2        | ...       |   |        |     |
| EDID WRITE HDMI3        | ...       |   |        |     |
| EDID WRITE HDMI4        | ...       |   |        |     |
| EDID Ver                | HDMI 1.3  |   |        |     |
| EDID Port               | NONE      |   |        |     |
| EDID WRITE DVI          | ...       |   |        |     |
| <b>Sub Option</b>       |           |   |        |     |
| RS-232 Jack             | Debug     | Debug/UART  |        |     |
| Serial Log On/Off       | ON        | ON/OFF  |        |     |
| Watchdog                | OFF       | ON/OFF  |        |     |
| Checksum                | 0x0000    |   |        |     |
| Fast Boot in Production | ON        | ON/OFF  |        |     |
| USB Serial              | OFF       | ON/OFF  |        |     |
| Eeprom Reset            |           |   |        |     |
| EER Reset               | 0         |   |        |     |
| NVR All Clear           | OFF       | ON/OFF  |        |     |
| ECO IC TYPE             | MC8121    | NONE/CT802FN/NLS1106/<br>MC8121/MC8121_REV  |        |     |
| Info Link Server Type   | operating | operating/development/<br>developing  |        |     |
| Info Link Country       | None      |   |        |     |
| TTX Group               | UserOSD   | WestEurope/EastEurope/<br>Russian/Greek/Turkey/Arabic/<br>Farsian/Arab/Hbrw/UserOSD |        |     |
| Visual Test             | ...       |   |        |     |
| MediaPlay DB            | ...       |   |        |     |
| OPTION_SWU              |           |   |        |     |
| OTN Server Type         | operating | operating/development   |        |     |
| OTN Test Server         | OFF       | ON/OFF  |        |     |

| Factory Menu Name   | Data      | Range                 | Remark | Key |
|---------------------|-----------|-----------------------|--------|-----|
| SWU Reset           |           |                       |        |     |
| SWU Duration        | OFF       | ON/OFF                |        |     |
| SWU Fail Test       | OFF       | ON/OFF                |        |     |
| SWU_Diag_Code       |           |                       |        |     |
| OPTION_NUM          |           |                       |        |     |
| Num of ATV          | 1         | 0~2                   |        |     |
| Num of SVIDEO       | 0         | 0~3                   |        |     |
| Num of PC           | 0         | 0~1                   |        |     |
| Num of DVI          | 0         | 0~1                   |        |     |
| Num of OPTICAL Link | 1         | 0~1                   |        |     |
| Num of MEDIA        | 1         | 0~1                   |        |     |
| Num of Tuner        | 1         | 0~1                   |        |     |
| Num of PVR RECORD   | 0         | 0~1                   |        |     |
| RF Remocon Support  | OFF       | ON/OFF                |        |     |
| CDD mode            | ...       |                       |        |     |
| DPMS Support        | OFF       | ON/OFF                |        |     |
| Num of IPTV CIP     | 0         | 0~1                   |        |     |
| Num of CI           | 1         | 0~1                   |        |     |
| Num of DECODER      | 0         | 0~1                   |        |     |
| T-CON Device        |           |                       |        |     |
| BOARD CONTROL       | OFF       | ON/OFF                |        |     |
| RM                  |           |                       |        |     |
| Server Type         | Operating | operating/development |        |     |
| RTS Mode            | 0         | 0~1                   |        |     |
| PSA                 |           |                       |        |     |
| FKP Download1       |           |                       |        |     |
| FKP Download2       |           |                       |        |     |
| LMK threshold       | 0         |                       |        |     |
| Low threshold       | 0         |                       |        |     |
| High threshold      | 0         |                       |        |     |
| CSB                 | ON        | ON/OFF                |        |     |
| CLB                 | ON        | ON/OFF                |        |     |
| EEPG Enable         | OFF       | ON/OFF                |        |     |
| <b>PDP Option</b>   |           |                       |        |     |
| <b>Hotel Option</b> |           |                       |        |     |
| Hotel Mode          | OFF       | ON/OFF                |        |     |
| Hospitality Mode    | 1         |                       |        |     |

#### 4. Troubleshooting

| Factory Menu Name       | Data       | Range  | Remark | Key |
|-------------------------|------------|--------|--------|-----|
| Power On                |            |        |        |     |
| Menu OSD                |            |        |        |     |
| Music Mode              |            |        |        |     |
| External Source         |            |        |        |     |
| Eco Solution            |            |        |        |     |
| Cloning                 |            |        |        |     |
| <b>Shop Option</b>      |            |        |        |     |
| Shop Mode               | OFF        | ON/OFF |        |     |
| Exhibition Mode         | OFF        | ON/OFF |        |     |
| 3D Cube                 | OFF        | ON/OFF |        |     |
| <b>Asia Option</b>      |            |        |        |     |
| Sepco 120Hz             | OFF        | ON/OFF |        |     |
| Unbalance               | OFF        | ON/OFF |        |     |
| FMTransmitter Support   | OFF        | ON/OFF |        |     |
| FMTransmitter Carrier   | OFF        | ON/OFF |        |     |
| AF Level adjust         | 3          | 0~7    |        |     |
| TX Power Level          | 0          | 0~3    |        |     |
| Mono Last Memory        | OFF        | ON/OFF |        |     |
| H Shaking               | OFF        | ON/OFF |        |     |
| <b>SOUND</b>            |            |        |        |     |
| High Devi               | OFF        | ON/OFF |        |     |
| Carrier_Mute            | OFF        | ON/OFF |        |     |
| Speaker Delay Normal    | 0          |        |        |     |
| Wiselink Delay Menu     | 0          |        |        |     |
| Pilot Level High Thld   | 0x13h      |        |        |     |
| Pilot Level Low Thld    | 0x09h      |        |        |     |
| Pilot_Phase_diff_on_THR | OFF        | ON/OFF |        |     |
| FM Prescale             | 0x2Eh      |        |        |     |
| AM Prescale             | 0x1Ah      |        |        |     |
| NICAM Prescale          | 0x1Dh      |        |        |     |
| Amp Model               | NTP7414    |        |        |     |
| Amp Volume              | 0xc5h      |        |        |     |
| Amp Scale               | 0x9ah      |        |        |     |
| Amp Check Sum           | 0x01575E95 |        |        |     |
| SubWoofer Support       | 0          | 0~7    |        |     |
| Woofer Type             | 0          | 0~7    |        |     |
| Woofer Volume           | 0xcbh      |        |        |     |

| Factory Menu Name      | Data  | Range           | Remark | Key |
|------------------------|-------|-----------------|--------|-----|
| Woofer Scale           | 0x8ah |                 |        |     |
| Woofer Check Sum       | NONE  |                 |        |     |
| Woofer Local Check Sum | NONE  |                 |        |     |
| Amp local Check Sum    | NONE  |                 |        |     |
| Speaker EQ             | ON    | ON/OFF          |        |     |
| PEQ Test               | Ready | Ready/Set1~Set5 |        |     |
| Speaker cut-off Freq   | 5     |                 |        |     |
| SPDIF PCM Gain         | -9dB  |                 |        |     |
| FM M Prescale          | 0     |                 |        |     |
| BTSC Mono Prescale     | 0     |                 |        |     |
| BTSC stereo Prescale   | 0     |                 |        |     |
| SAP Prescale           | 0     |                 |        |     |
| A2 Ident High Thld     | 15    |                 |        |     |
| A2 Ident Low Thld      | 4     |                 |        |     |
| Carrier2 Amp High Thld | 16    |                 |        |     |
| Carrier2 Amp Low Thld  | 14    |                 |        |     |
| Carrier2 SNR High THR  | 32    |                 |        |     |
| Carrier2 SNR Low THR   | 17    |                 |        |     |
| Audio-IP Test          | Ready | Ready/Set1~Set9 |        |     |
| SRS Tuning Parm        | 0     |                 |        |     |
| TruBass-Checksum       | 0     |                 |        |     |
| Mic Scale              | 0     |                 |        |     |
| India Sound            | OFF   | ON/OFF          |        |     |
| Wall Filter Type       | 0     |                 |        |     |
| SAP High Thld          | 9     |                 |        |     |
| SAP Low Thld           | 7     |                 |        |     |
| Bottom Checksum        | 0     |                 |        |     |
| Bottom Local CHeckSum  | 0     |                 |        |     |

## ■ Debug

| Factory Menu Name      | Data | Range                       | Remark | Key |
|------------------------|------|-----------------------------|--------|-----|
| <b>Spread spectrum</b> |      |                             |        |     |
| LVDS Spread            | ON   | ON/OFF                      |        |     |
| LVDS Period            | 40K  | 20K/30K/40K                 |        |     |
| LVDS Amplitude         | 2.0  | 0.0/0.5/1.0/1.5/2.0/2.5/3.0 |        |     |
| DDR Spread             | ON   | ON/OFF                      |        |     |
| DDR Period             | 20K  | 20K/30K/40K                 |        |     |

#### 4. Troubleshooting

| Factory Menu Name       | Data  | Range               | Remark | Key |
|-------------------------|-------|---------------------|--------|-----|
| DDR Amplitude           | 1.5   | 0.0/0.5/1.0/1.5/2.0 |        |     |
| FRC LVDS SSC ON/OFF     | ON    | ON/OFF              |        |     |
| FRC LVDS SSC MFR        | 1     |                     |        |     |
| FRC LVDS SSC MRR        | 10    |                     |        |     |
| FRC LVDS SSC Period     | 0     |                     |        |     |
| FRC LVDS SSC Modulation | 1     |                     |        |     |
| FRC DDR SSC ON/OFF      | ON    | ON/OFF              |        |     |
| FRC DDR SSC MFR         | 1     |                     |        |     |
| FRC DDR SSC MRR         | 10    |                     |        |     |
| FRC DDR SSC Period      | 1     |                     |        |     |
| FRC DDR SSC Modulation  | 1     |                     |        |     |
| <b>DDR Margin</b>       |       |                     |        |     |
| A CTRL_OFFSET_0_3       | 0     | 0~1                 |        |     |
| A CTRL_OFFSET_D         | 0     | 0~1                 |        |     |
| B CTRL_OFFSET_0_3       | 0     | 0~1                 |        |     |
| B CTRL_OFFSET_D         | 0     | 0~1                 |        |     |
| ND ADJ Support          | 0     | 0~1                 |        |     |
| MICOM POWER OFF         | 0     | 0~1                 |        |     |
| RF Mute Time            | 6ms   | 0ms~10ms            |        |     |
| CI+1.3                  | 0     | 0~1                 |        |     |
| <b>FRC</b>              |       |                     |        |     |
| FRC FDISPLAY ON/OFF     | OFF   | ON/OFF              |        |     |
| PC Mode ON/OFF          | OFF   | ON/OFF              |        |     |
| Home Panel FRC          | OFF   | ON/OFF              |        |     |
| Tuner Margin            | 0     | 0~1                 |        |     |
| MPEG Margin             | 1000  |                     |        |     |
| H.264 Margin            | 8     |                     |        |     |
| CAM Wait Time           | 0     |                     |        |     |
| TS Clock delay          | 0     |                     |        |     |
| TCON_TEMP READ          | 0.00  |                     |        |     |
| TEMP LAST               | 60.00 |                     |        |     |
| DCC VERSION             | 0x0   |                     |        |     |
| DCC CHK SEL             | 0     |                     |        |     |
| DCC CHECK LOCAL         | 0x0   |                     |        |     |
| DCC CHECK TOTAL         | 0x0   |                     |        |     |
| MultiACC Checksum       | 0     |                     |        |     |
| IIC Bus Stop            | OFF   | ON/OFF              |        |     |

| Factory Menu Name    | Data | Range | Remark | Key |
|----------------------|------|-------|--------|-----|
| <b>Tuner Status</b>  |      |       |        |     |
| DVB                  |      |       |        |     |
| SNR                  | 0    | 0     |        |     |
| BER                  | 0    | 0     |        |     |
| Signal Strength      | 0    | 0     |        |     |
| Bandwidth            | 0    | 0     |        |     |
| Frequency            | 0    | 0     |        |     |
| LNA Status           | 0    | 0     |        |     |
| FFT                  | 0    | 0     |        |     |
| Modulation           | 0    | 0     |        |     |
| Code Rate            | 0    | 0     |        |     |
| GI                   | 0    | 0     |        |     |
| Hier Modulation      | 0    | 0     |        |     |
| Frequency Offset     | 0    | 0     |        |     |
| Timing Offset        | 0    | 0     |        |     |
| AGC                  | 0    | 0     |        |     |
| UCB                  | 0    | 0     |        |     |
| PLL Type             | 0    | 0     |        |     |
| DEMOD Type           | 0    | 0     |        |     |
| TPS Lock             | 0    | 0     |        |     |
| RS Lock              | 0    | 0     |        |     |
| SSI                  | 0    | 0     |        |     |
| SQI                  | 0    | 0     |        |     |
| Firmware Version     | 0    | 0     |        |     |
| ISDB-T               |      |       |        |     |
| FFT Size_1           |      |       |        |     |
| Guard Interval_1     |      |       |        |     |
| Freq.Offset_1        |      |       |        |     |
| SNR_1                |      |       |        |     |
| IF AGC_1             |      |       |        |     |
| TMCC Lock_1          |      |       |        |     |
| TS Packet_1          |      |       |        |     |
| Master Lock_1        |      |       |        |     |
| A_Modulation_1       |      |       |        |     |
| A_Code Rate_1        |      |       |        |     |
| A_Timer InterLeave_1 |      |       |        |     |
| A_Segments Num_1     |      |       |        |     |
| A_BER_1              |      |       |        |     |

#### 4. Troubleshooting

| Factory Menu Name    | Data | Range | Remark | Key |
|----------------------|------|-------|--------|-----|
| B_Modulation_1       |      |       |        |     |
| B_Code Rate_1        |      |       |        |     |
| B_Timer InterLeave_1 |      |       |        |     |
| B_Segments Num_1     |      |       |        |     |
| B_BER_1              |      |       |        |     |
| C_Modulation_1       |      |       |        |     |
| C_Code Rate_1        |      |       |        |     |
| C_Timer InterLeave_1 |      |       |        |     |
| C_Segments Num_1     |      |       |        |     |
| C_BER_1              |      |       |        |     |

#### ■ SVC

| Factory Menu Name     | Data        | Range           | Remark | Key |
|-----------------------|-------------|-----------------|--------|-----|
| <b>Self Diagnosis</b> |             |                 |        |     |
| Loop Back             |             |                 |        |     |
| LAN Test              |             |                 |        |     |
| AV Audio Test         | Failure     | Failure/Success |        |     |
| DVIN Audio Test       | Failure     | Failure/Success |        |     |
| CVBS Test             | Failure     | Failure/Success |        |     |
| COMP Test             | Failure     | Failure/Success |        |     |
| USB HUB Test          |             |                 |        |     |
| HDMI Test             | NG/NG/NG/NG |                 |        |     |
| SCART Audio Test      | Failure     | Failure/Success |        |     |
| SCART CVBS Test       | Failure     | Failure/Success |        |     |
| SCART RGB Test        | Failure     | Failure/Success |        |     |
| PC Audio Test         | Failure     |                 |        |     |
| PC Self Test          | Failure     |                 |        |     |
| CPU                   | Failure     | Failure/Success |        |     |
| DDR                   |             |                 |        |     |
| FLASH                 |             |                 |        |     |
| EEPROM                |             |                 |        |     |
| X-TAL                 | Failure     | Failure/Success |        |     |
| Tuner1                | Failure     | Failure/Success |        |     |
| Sound AMP             | Failure     | Failure/Success |        |     |
| HDMI Switch IC        | Failure     | Failure/Success |        |     |
| USB HUB IC            | Failure     | Failure/Success |        |     |
| WIFI                  | Failure     |                 |        |     |

| Factory Menu Name       | Data    | Range           | Remark | Key |
|-------------------------|---------|-----------------|--------|-----|
| LVDS                    |         |                 |        |     |
| T-CON/FRC               |         |                 |        |     |
| PCB Test                | Failure | Failure/Success |        |     |
| MOIP                    | 0       |                 |        |     |
| BT                      |         |                 |        |     |
| EcoSensor               |         |                 |        |     |
| Voltage                 | 0       |                 |        |     |
| Device Self Test        | 0       |                 |        |     |
| App Self Test           |         |                 |        |     |
| EXT Sound Inspection    |         |                 |        |     |
| Woofer Sound Inspection | NONE    |                 |        |     |
| ATV CH Inspection       | Failure | Failure/Success |        |     |
| DTV CH Inspection       |         |                 |        |     |
| Satellite CH Inspection |         |                 |        |     |
| PDP Discharge Voltage   |         |                 |        |     |
| <b>Info</b>             |         |                 |        |     |
| SVC Info                | 0       |                 |        |     |
| LOG                     |         |                 |        |     |
| Select Log Type         | MICOM   |                 |        |     |
| Log View                | 0       |                 |        |     |
| Delete Log              |         |                 |        |     |
| Debug Log Down          |         |                 |        |     |
| ER Count                |         |                 |        |     |
| WD Count                | 0       |                 |        |     |
| AR Count                | 0       |                 |        |     |
| WIFI ER Count           | 0       |                 |        |     |
| BT ER Count             | 1       |                 |        |     |
| HDMI Stable Cnt         | 1       |                 |        |     |
| Camera ER Count         | 0       |                 |        |     |
| Panel Display Time      | 0Hr     |                 |        |     |
| <b>Upgrade</b>          |         |                 |        |     |
| T-CON Usb Download      | Failure | Failure/Success |        |     |
| T-CON CheckSum          | N/A     |                 |        |     |
| Logic Usb D/L           | ...     |                 |        |     |
| SUBMICOM UPGRADE        | Ready   |                 |        |     |
| BT UPGRADE              |         |                 |        |     |
| BT FREPAIRING           | ON      | ON/OFF          |        |     |

#### 4. Troubleshooting

| Factory Menu Name      | Data    | Range                       | Remark | Key |
|------------------------|---------|-----------------------------|--------|-----|
| Function Upgrade       | Failure | Failure/Success             |        |     |
| FRC3D FW Upgrade       |         |                             |        |     |
| Camera Upgrade         | 0       | 0~1                         |        |     |
| Mic Upgrade            | 0       | 0~1                         |        |     |
| CPLD USB Download      | 0       | 0~1                         |        |     |
| JP MICOM UPGRADE       | Failure | Failure/Success             |        |     |
| DP MICOM UPGRADE       | Failure | Failure/Success             |        |     |
| Jump Upgrade           | Failure | Failure/Success             |        |     |
| MIC PROGRAM UPGRADE    | Failure | Failure/Success             |        |     |
| <b>Reset</b>           |         |                             |        |     |
| Smart Hub Reset        | 0       |                             |        |     |
| EEPROM_Reset           |         |                             |        |     |
| Factory_Reset          |         |                             |        |     |
| <b>OPTION_HDMI</b>     |         |                             |        |     |
| DVI/HDMI SOUND         | Auto    | Auto/DVI                    |        |     |
| HDMI HOT PLUG          | Disable | Disable/Enable              |        |     |
| HOT PLUG SWITCHING     | Boot    | Boot/Source                 |        |     |
| HOT PLUG DURATION      | 200ms   |                             |        |     |
| CLK TERM DURATION      | 200ms   |                             |        |     |
| HDMI FLT CNT SIG       | 100ms   |                             |        |     |
| HDMI FLT CNT LOS       | 100ms   |                             |        |     |
| UNSTABLE BAN CNT       | 3500ms  |                             |        |     |
| HDMI ROBIN             | 1       | 0~1                         |        |     |
| HDMI Callback          | 0       | 0~1                         |        |     |
| HDMI CTS Thld          | 8       | 0~15                        |        |     |
| HDMI CTS Cnt1          | 1       | 0~15                        |        |     |
| HDMI EQ                | AUTO    | AUTO/Low/Middle/High/Strong |        |     |
| HDMI Write Type        | Combine | Combine/Separate            |        |     |
| HDMI Switch            | NONE    | NONE/SIL9287/TMDS461        |        |     |
| DVI SET TIME           | 300ms   |                             |        |     |
| HDMI Sync              | DE      | DE/HV                       |        |     |
| HDMI 3D DET            | 0       | 0~1                         |        |     |
| HOT PLUG OFF HOLD TIME | 0       | 0~1                         |        |     |
| <b>DVB CI</b>          |         |                             |        |     |
| TS Clock delay TC      | 0       |                             |        |     |
| TS Clock delay S       | 0       |                             |        |     |
| CI Control Buf ON      | ON      | ON/OFF                      |        |     |

| Factory Menu Name      | Data    | Range   | Remark | Key |
|------------------------|---------|---|--------|-----|
| TS Clock delay CPU     | -1      | -15~15  |        |     |
| <b>Test Pattern</b>    |         |   |        |     |
| Pattern Sel            | OFF     | OFF/CHESS/VISION1/<br>VISION2/8COLOR_BAR/RGB_<br>RAMP/WHITE/RED/GREEN/<br>BLUE/16GRAY/32GRAY/<br>BLACK/RGB_COMP |        |     |
| Logic Pattern Sel      | ...     |   |        |     |
| Logic Level Sel        | ...     |   |        |     |
| FRC Pre Test Pattern   | 0       |   |        |     |
| FRC Post Test Pattern  | 0       |   |        |     |
| SOC TCON Test Pattern  | 0       | 0~1   |        |     |
| SOC TCON Pattern Level | 0       | 0~1   |        |     |
| SOC TCON FRC Pattern   | 0       | 0~1   |        |     |
| HDMI WB Pattern        | 0       | 0~1   |        |     |
| HDMI Pattern Sel       | 0       | 0~1   |        |     |
| <b>Others</b>          |         |   |        |     |
| Delete S/N             | Failure | Failure/Success   |        |     |
| IREPF                  | Stopped | Stopped/running   |        |     |
| Expert                 |         |   |        |     |
| N/D ADJ                | ...     |   |        |     |
| Source                 | ...     |   |        |     |
| CAL Data Backup_Copy   | ...     |   |        |     |
| CAL Data Restore_Copy  | ...     |   |        |     |
| ATV IF AGC SPEED       | 0       | 0~16  |        |     |
| Auto Power             | MEMORY  | MEMORY/ALWAYS ON/<br>ALWAYS OFF   |        |     |

## ■ ADC/WB

| Factory Menu Name | Data | Range | Remark | Key |
|-------------------|------|-------|--------|-----|
| <b>ADC</b>        |      |       |        |     |
| AV Calibration    | ---- |       |        |     |
| Comp Calibration  | ---- |       |        |     |
| PC Calibration    | ---- |       |        |     |
| HDMI Calibration  | ---- |       |        |     |
| <b>ADC Result</b> |      |       |        |     |
| 1st_Y_GH          | 0    |       |        |     |
| 1st_Y_GL          | 0    |       |        |     |
| 1st_Cb_BH         | 0    |       |        |     |

#### 4. Troubleshooting

| Factory Menu Name    | Data | Range  | Remark | Key |
|----------------------|------|--------|--------|-----|
| 1st_Cb_BL            | 0    |        |        |     |
| 1st_Cr_RH            | 0    |        |        |     |
| 1st_Cr_RL            | 0    |        |        |     |
| 2nd_R_L              | 134  |        |        |     |
| 2nd_G_L              | 134  |        |        |     |
| 2nd_B_L              | 134  |        |        |     |
| 2nd_R_H              | 49   |        |        |     |
| 2nd_G_H              | 49   |        |        |     |
| 2nd_B_H              | 49   |        |        |     |
| <b>White Balance</b> |      |        |        |     |
| R-Offset             | 128  |        |        |     |
| G-Offset             | 128  |        |        |     |
| B-Offset             | 128  |        |        |     |
| R-Gain               | 128  |        |        |     |
| G-Gain               | 128  |        |        |     |
| B-Gain               | 128  |        |        |     |
| WB_W2_R_Offset       | 128  |        |        |     |
| WB_W2_B_Offset       | 128  |        |        |     |
| WB_W2_R_Gain         | 162  |        |        |     |
| WB_W2_B_Gain         | 69   |        |        |     |
| WB_N_R_Offset        | 128  |        |        |     |
| WB_N_B_Offset        | 128  |        |        |     |
| WB_N_R_Gain          | 151  |        |        |     |
| WB_N_B_Gain          | 109  |        |        |     |
| <b>MGA</b>           |      |        |        |     |
| MAG On/Off           | OFF  | ON/OFF |        |     |
| R1_Gain              | 512  |        |        |     |
| G1_Gain              | 512  |        |        |     |
| B1_Gain              | 512  |        |        |     |
| R2_Gain              | 512  |        |        |     |
| G2_Gain              | 512  |        |        |     |
| B2_Gain              | 512  |        |        |     |
| R3_Gain              | 512  |        |        |     |
| G3_Gain              | 512  |        |        |     |
| B3_Gain              | 512  |        |        |     |
| R4_Gain              | 512  |        |        |     |
| G4_Gain              | 512  |        |        |     |

| Factory Menu Name | Data | Range | Remark | Key |
|-------------------|------|-------|--------|-----|
| B4_Gain           | 512  |       |        |     |
| R5_Gain           | 512  |       |        |     |
| G5_Gain           | 512  |       |        |     |
| B5_Gain           | 512  |       |        |     |
| R6_Gain           | 512  |       |        |     |
| G6_Gain           | 512  |       |        |     |
| B6_Gain           | 512  |       |        |     |
| R7_Gain           | 512  |       |        |     |
| G7_Gain           | 512  |       |        |     |
| B7_Gain           | 512  |       |        |     |
| R8_Gain           | 512  |       |        |     |
| G8_Gain           | 512  |       |        |     |
| B8_Gain           | 512  |       |        |     |
| R9_Gain           | 512  |       |        |     |
| G9_Gain           | 512  |       |        |     |
| B9_Gain           | 512  |       |        |     |
| R10_Gain          | 512  |       |        |     |
| G10_Gain          | 512  |       |        |     |
| B10_Gain          | 512  |       |        |     |

## ■ Advanced

## 4-4. White Balance

### 4-4-1. Calibration

1. Into the Factory Mode.
2. Select **SVC** Menu.
3. Select **ADC/WB** menu.
4. Select **ADC** menu.

|               |
|---------------|
| Option        |
| Control       |
| Debug         |
| SVC           |
| <b>ADC/WB</b> |
| Advanced      |

ADC

AV Calibration  
Comp Calibration  
PC Calibration  
HDMI Calibration

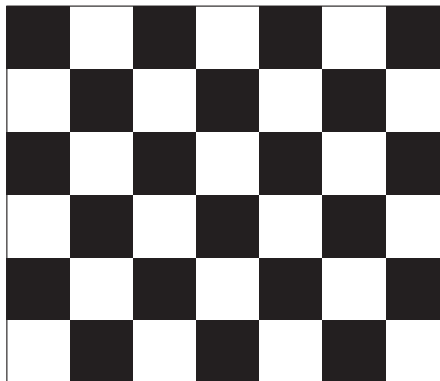
### 4-4-2. Service Adjustment

You must perform Calibration in the Lattice Pattern before adjusting the White Balance.

#### ■ Color Calibration

- Adjust Specification

| Source | Setting Mode     | Pattern                     | Use Equipment                    |
|--------|------------------|-----------------------------|----------------------------------|
| HDMI   | 1280 x 720@60 Hz | Pattern #24 (Chess Pattern) | CA210 & Master MSPG925 Generator |



(Chess Pattern)

- 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) B&W Pattern #24 | Lattice |
| HDMI IN                  | Perform in 720p B&W Pattern #24                | Lattice |

### ■ 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 "ADC" 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 "ADC" 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)

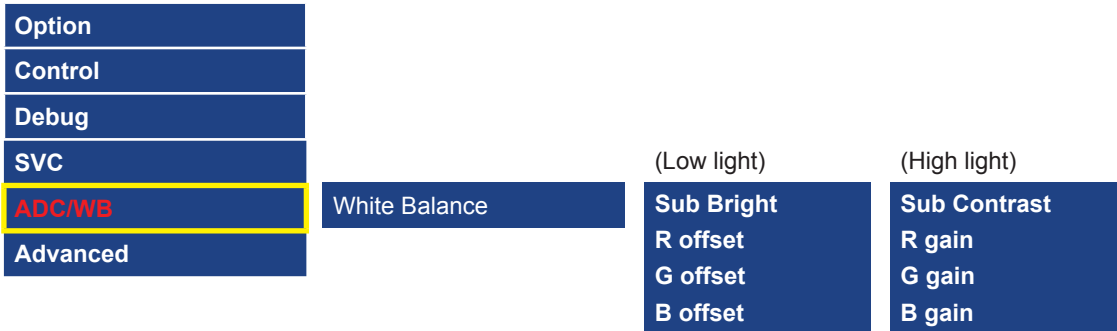
1. Apply the VESA XGA Lattice (N0. 21) pattern signal to the PC IN port.
2. Press the Source key to switch to "PC" mode.
3. Enter Service mode.
4. Select the "ADC" menu.
5. Select the "PC Calibration" menu.
6. In "PC Calibration Off" status, press the "▶" key to perform Calibration.
7. When Calibration 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 "ADC" 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. Adjustment

- 1. Into the Factory Mode.
- 2. Select **SVC** Menu.
- 3. Select **ADC/WB** menu.
- 4. Select **WB** menu.



## 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. It varies with Panel's size and Specification.
  - Equipment : CS-210
  - Pattern: MIK K-7256 #92 "Flat W/B Pattern" as standard
  - Alternate Equipment : CA200& anyone Master supported pattern#92(refer to right photo)
  - Use other Equipment only after comparing the result with that of the Master equipment.
  - Set Aging time : 60 min



### Calibration and Manual setting for WB adjustment

- HDMI : Calibration at #24 Chessboard Pattern Manual adjustment at #92 pattern (720p)
- COMP: Calibration at #24 Chessboard Pattern Manual adjustment at #92 pattern (720p)
- CVBS: Calibration at #24 Chessboard Pattern Manual adjustment at #92 pattern (NTSC)



#### Note

If finishing in HDMI mode, adjustment coordinate is almost same in AV/COMP mode.

### White Balance Manual adjustment

| DEVICES | PANEL-TYPE |
|---------|------------|
| CA-210  | 40A6AF0V   |

| RGB Measurement |      |       |
|-----------------|------|-------|
| Levels          | Code | Check |
| 10 IRE          | 0x01 | O     |
| 20 IRE          | 0x02 | O     |
| 30 IRE          | 0x03 | X     |
| 40 IRE          | 0x04 | O     |
| 50 IRE          | 0x05 | X     |
| 60 IRE          | 0x06 | X     |
| 70 IRE          | 0x07 | O     |
| 80 IRE          | 0x08 | X     |
| 90 IRE          | 0x09 | X     |
| 100 IRE         | 0x0A | O     |

| Panel Inspection Spec. |       |       |       |          |
|------------------------|-------|-------|-------|----------|
| Levels                 | Check | x(±)  | y(±)  | Gamma(±) |
| 10 IRE                 | O     | 0.020 | 0.020 | 0.40     |
| 20 IRE                 | O     | 0.020 | 0.020 | 0.40     |
| 30 IRE                 | O     | 0.020 | 0.020 | 0.40     |
| 40 IRE                 | O     | 0.020 | 0.020 | 0.40     |
| 50 IRE                 | O     | 0.020 | 0.020 | 0.40     |
| 60 IRE                 | O     | 0.020 | 0.020 | NA       |
| 70 IRE                 | O     | 0.020 | 0.020 | NA       |
| 80 IRE                 | O     | 0.020 | 0.020 | NA       |
| 90 IRE                 | O     | 0.020 | 0.020 | NA       |
| 100 IRE                | O     | NA    | NA    | NA       |

#### 4. Troubleshooting

| Gray Check |      |       | Adjust Spec(xyL) |       |      | Adjust Target offset(xyL) |       |       |
|------------|------|-------|------------------|-------|------|---------------------------|-------|-------|
| Levels     | Code | Check | x(±)             | y(±)  | L(±) | x(±)                      | y(±)  | L(±)  |
| 10 IRE     | 0x01 | X     | 0.007            | 0.007 | 0.11 | 0.000                     | 0.000 | 0.000 |
| 20 IRE     | 0x02 | O     | 0.007            | 0.007 | 0.08 | 0.000                     | 0.000 | 0.000 |
| 30 IRE     | 0x03 | X     | 0.007            | 0.007 | 0.06 | 0.000                     | 0.000 | 0.000 |
| 40 IRE     | 0x04 | O     | 0.005            | 0.005 | 0.05 | 0.000                     | 0.000 | 0.000 |
| 50 IRE     | 0x05 | X     | 0.005            | 0.005 | 0.04 | 0.000                     | 0.000 | 0.000 |
| 60 IRE     | 0x06 | X     | 0.005            | 0.005 | 0.03 | 0.000                     | 0.000 | 0.000 |
| 70 IRE     | 0x07 | O     | 0.004            | 0.004 | 0.02 | 0.000                     | 0.000 | 0.000 |
| 80 IRE     | 0x08 | X     | 0.004            | 0.004 | 0.01 | 0.000                     | 0.000 | 0.000 |
| 90 IRE     | 0x09 | X     | 0.004            | 0.004 | 0.01 | 0.000                     | 0.000 | 0.000 |
| 100 IRE    | 0x0A | X     | NA               | NA    | NA   | NA                        | NA    | NA    |

| Target Gamma |        | 2.20  |          |
|--------------|--------|-------|----------|
| Black        | x      | y     | Contrast |
|              | 0.231  | 0.208 | 300000   |
| Target xy    | Option | x     | y        |
|              | Auto   | 0.282 | 0.299    |

| Panel Spec. |           | ±     |        |
|-------------|-----------|-------|--------|
| Gamma       | 2.2       | 0.35  | 20~128 |
| x           | 0.281     | 0.030 | 255    |
| y           | 0.288     | 0.030 |        |
| ACC x       | 255 white | 0.015 | 26~255 |
| ACC y       | x,y value | 0.015 |        |

| Color Tone Target |       |       | Spec. |       |
|-------------------|-------|-------|-------|-------|
| High              | x     | y     | x(±)  | y(±)  |
| COOL              | 0.262 | 0.276 | 0.004 | 0.004 |
| NORMAL            | 0.281 | 0.295 |       |       |
| WARM2             | 0.313 | 0.340 |       |       |
| Low               | x     | y     | x(±)  | y(±)  |
| COOL              | NA    | NA    | NA    | NA    |
| NORMAL            | NA    | NA    |       |       |
| WARM2             | NA    | NA    |       |       |

|                    |      |
|--------------------|------|
| 10IRE Gamma target | 2.20 |
| RetryCount         | 6    |

## 4-6. Software Upgrade

Software Upgrade can be performed by downloading the latest firmware from [samsung.com](http://samsung.com) to a USB memory device.

- Current Version - The software already installed in the TV.

Software is represented as 'Year/Month/Day\_Version'.

### 4-6-1. How to Check the Software Version

#### ■ Use the Main Menu

1. Click the "MENU" key in remote controller.
2. Select "Support" menu.
3. Locate the menu cursor "Software Upgrade" menu.
4. Click the "INFO" key.
  - Check the Main SW and Micom version.



■ Use the Factory Mode

|          |                                   |
|----------|-----------------------------------|
| Option   | T-NT14LDEUC-xxxx.x                |
| Control  | T-NT14LDEUS-xxxx                  |
| Debug    | E-Manual : NLDVBEUxH-xxxx         |
| SVC      | EDID SUCCESS                      |
| ADC/WB   | CALIB : AV/COMP/PC/HDMI/          |
| Advanced | Option : 40A6AF0V,EU_UK,5000,NONE |
|          | DTP-SDAL-NT14L-MAIN-xxxx-xxxx     |
|          | RFS:"NT14L xxxx" K/20xx-xx-xx     |
|          | KERNEL:xxxx.xxxx,/Onboot: xxxx    |
|          | TCON Version:----                 |
|          | NSP-DTVTD-xxxx                    |
|          | Model: UE40H5000                  |
|          | Wireless MAC ----                 |
|          | CIP FAIL                          |
|          | Factory Data Ver:xxx              |
|          | EERC Version: xxx                 |
|          | NSP-BP-HAL-xxxx                   |
|          | NSP-AP-CNC-xxxx                   |
|          | NSP-AP-MM-xxxx                    |
|          | NSP-BP-MW-xxxx                    |
|          | NSP-BP-APP-xxxx                   |
|          | NSP-PNG-xx-xxxx                   |
|          | Date of purchase:-/-----          |

## 4-6-2. How to Upgrade Software and Micom

Insert a USB drive containing the firmware upgrade downloaded from [samsung.com](http://samsung.com) into the TV. Please be careful not to disconnect the power or remove the USB drive while upgrades are being applied. The TV will turn off and turn on automatically after completing the firmware upgrade. Please check the firmware version after the upgrades are complete (the new version will have a higher number than the older version). When software is upgraded, video and audio settings you have made will return to their default (factory) settings. We recommend you write down your settings before beginning firmware update. After update is completed, restore your previous settings.

### ■ Main Software Upgrade

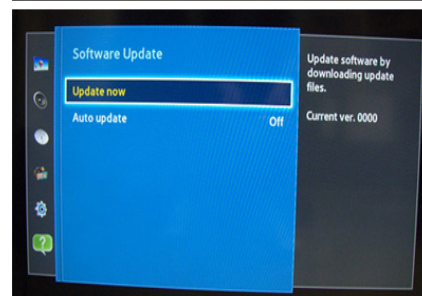
1. Store the sw program named "T-NT14LDEUC" in USB memory stick.
  - Connect the USB.



2. Click the "MENU" key in Remote Controller.
3. Select "Support" menu.
  - Locate the menu cursor "Software Update" menu.



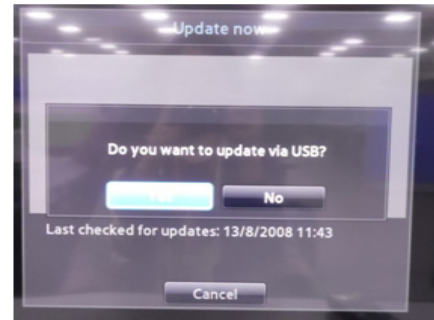
4. Locate the menu cursor "Update now" menu.



#### 4. Troubleshooting

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5. Click the "ENTER" key.



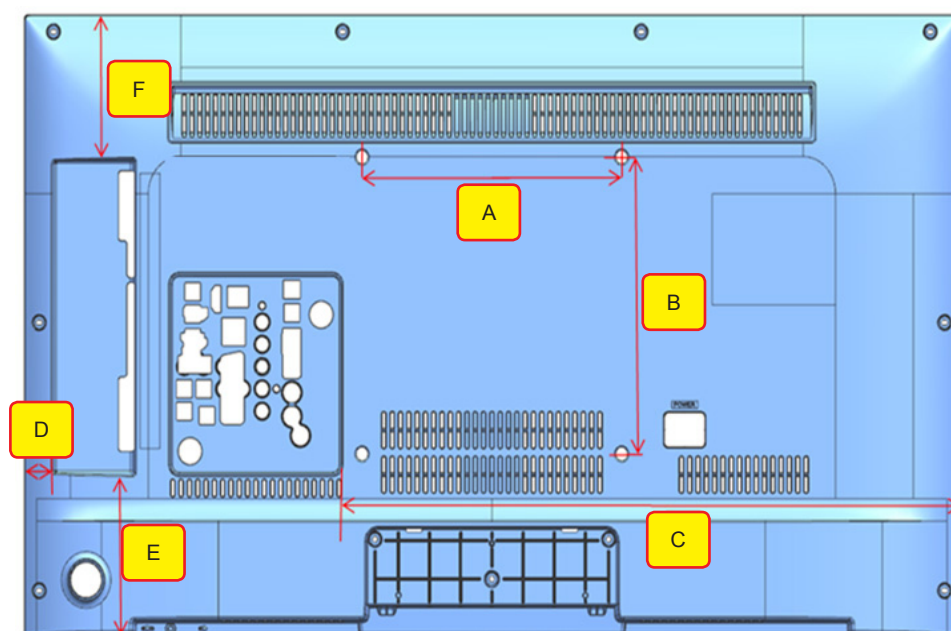
6. Click the "ENTER" key.

- Wait for upgrade complete.
- Check the Software Version.



## 4-7. Rear Cover Dimension

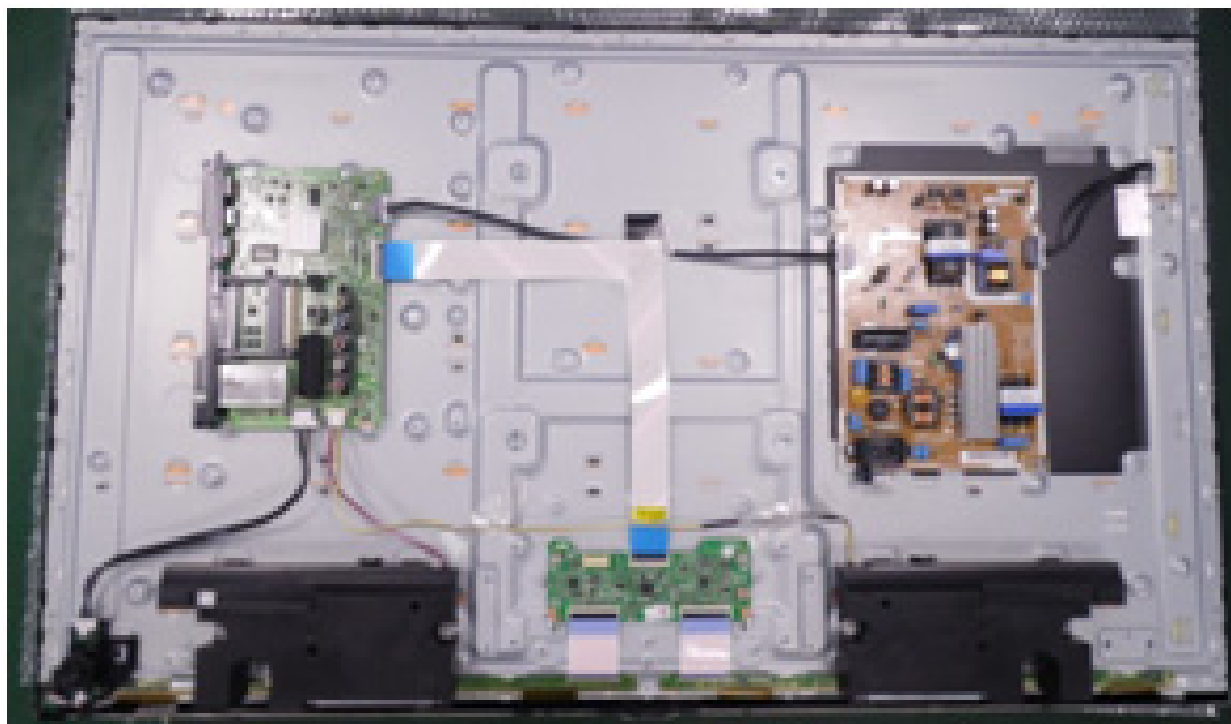
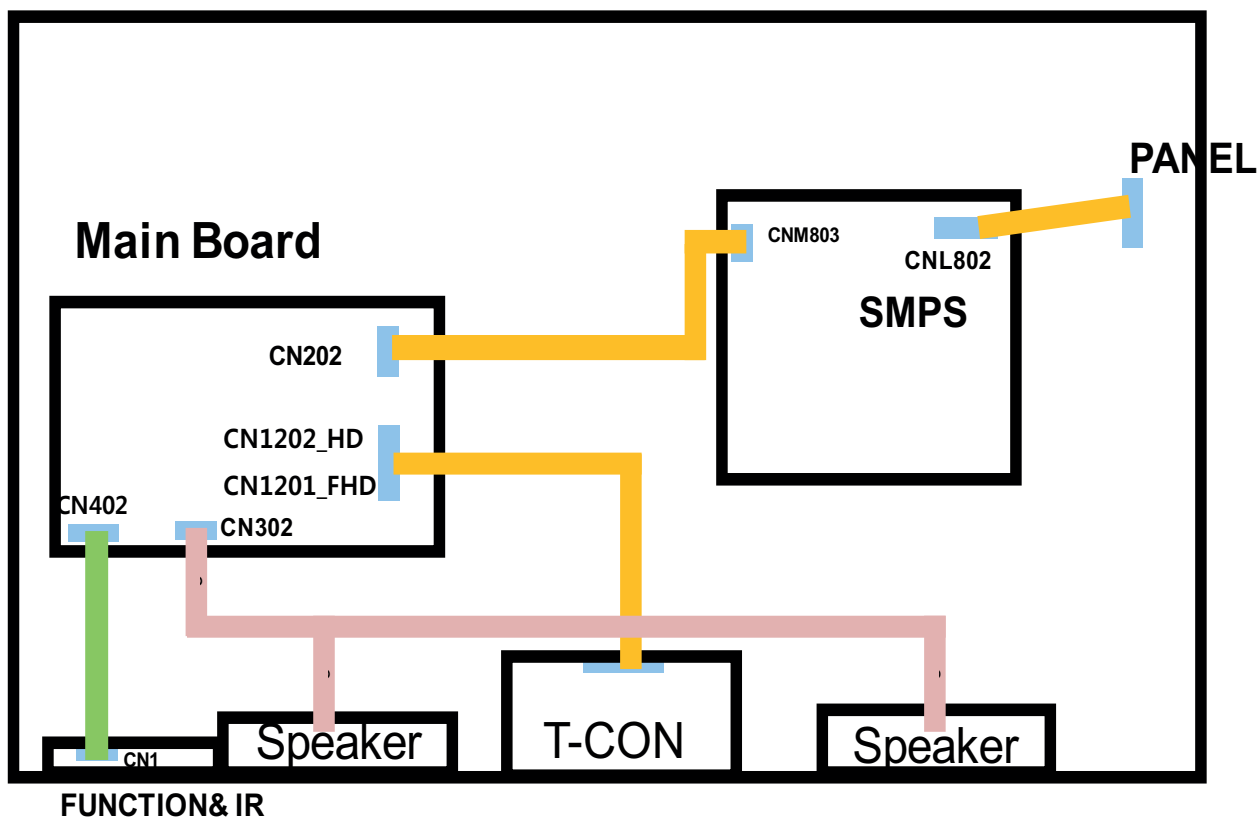
### ■ UE\*\*J51\*0



| Rear Cover Dimension | J51*0 |       |        |       |
|----------------------|-------|-------|--------|-------|
|                      | 32"   | 40"   | 48"    | 50"   |
| A                    | 200   | 200   | 400    | 400   |
| B                    | 200   | 200   | 400    | 400   |
| C                    | 477.8 | 620.9 | 768.07 | 821.2 |
| D                    | 23.8  | 32    | 41.45  | 32.1  |
| E                    | 110   | 194.5 | 222.06 | 206.7 |
| F                    | 98.5  | 115.8 | 184.83 | 221.9 |

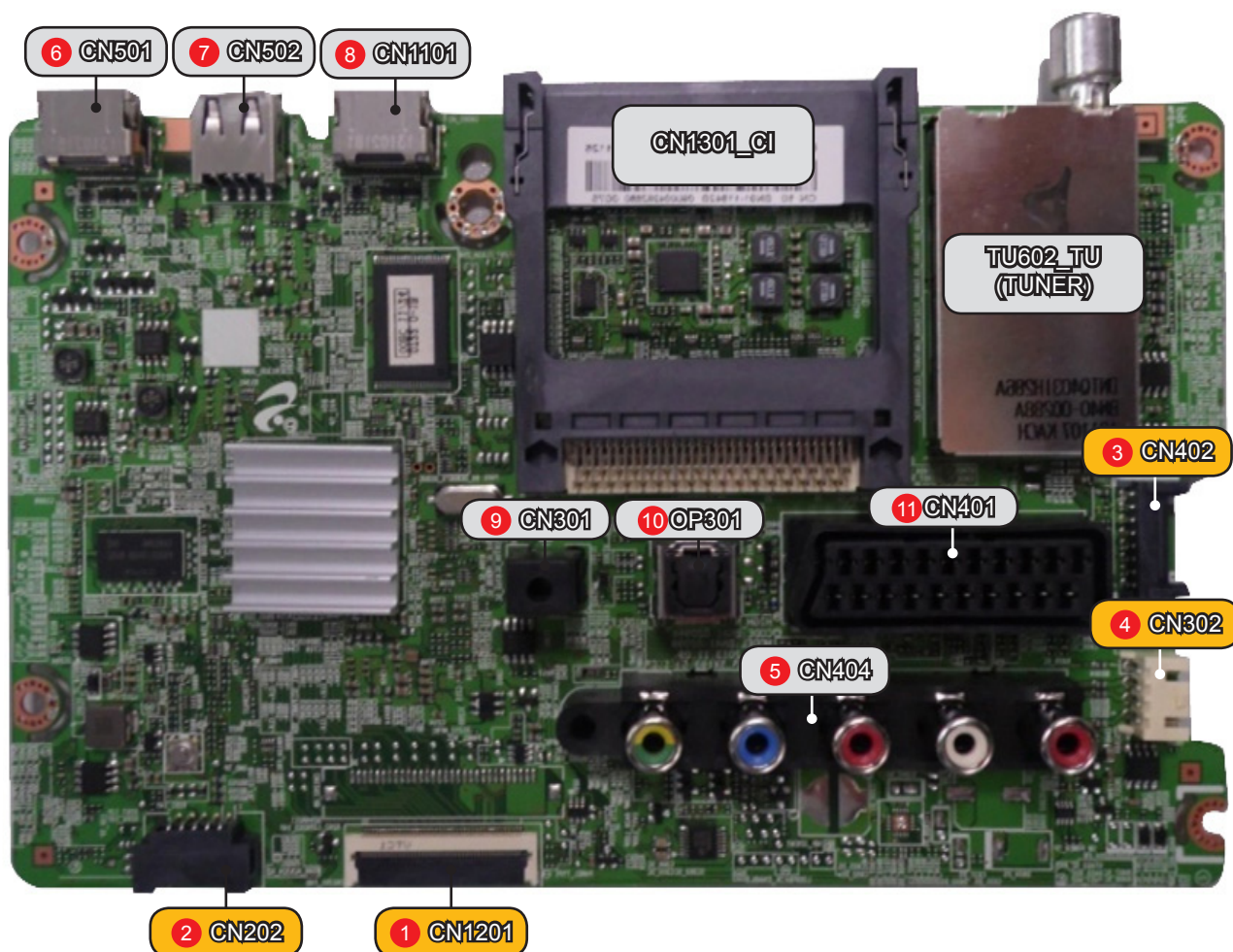
## 5. Wiring Diagram

### 5-1. Wiring Diagram



## 5-2. Connector

### ■ Assy PCB Main Board



| ① CN1201_FHD (to Panel) |              |    |                  |
|-------------------------|--------------|----|------------------|
| 1                       | NC           | 14 | EVEN_TX4+_LVDS   |
| 2                       | GND          | 15 | EVEN_TX4-_LVDS   |
| 3                       | FRC_SDA      | 16 | EVEN_TX3+_LVDS   |
| 4                       | PWM_DIM1_FRC | 17 | EVEN_TX3-_LVDS   |
| 5                       | FRC_SCL      | 18 | GND              |
| 6                       | FRC_NRESET   | 19 | EVEN_TXCLK+_LVDS |
| 7                       | LVDS_FORMAT  | 20 | EVEN_TXCLK-_LVDS |
| 8                       | TCON_SDA     | 21 | GND              |
| 9                       | TCON_WP      | 22 | EVEN_TX2+_LVDS   |
| 10                      | NC           | 23 | EVEN_TX2-_LVDS   |
| 11                      | UPDATE_CHECK | 24 | EVEN_TX1+_LVDS   |
| 12                      | TCON_SCL     | 25 | EVEN_TX1-_LVDS   |
| 13                      | GND          | 26 | EVEN_TX0+_LVDS   |

| ① CN1201_FHD (to Panel) |                 |    |               |
|-------------------------|-----------------|----|---------------|
| 27                      | EVEN_TX0-_LVDS  | 40 | ODD_TX1-_LVDS |
| 28                      | GND             | 41 | ODD_TX0+_LVDS |
| 29                      | ODD_TX4+_LVDS   | 42 | ODD_TX0-_LVDS |
| 30                      | ODD_TX4-_LVDS   | 43 | GND           |
| 31                      | ODD_TX3+_LVDS   | 44 | GND           |
| 32                      | ODD_TX3-_LVDS   | 45 | GND           |
| 33                      | GND             | 46 | NC            |
| 34                      | ODD_TXCLK+_LVDS | 47 | Panel_13V_PW  |
| 35                      | ODD_TXCLK-_LVDS | 48 | Panel_13V_PW  |
| 36                      | GND             | 49 | Panel_13V_PW  |
| 37                      | ODD_TX2+_LVDS   | 50 | Panel_13V_PW  |
| 38                      | ODD_TX2-_LVDS   | 51 | Panel_13V_PW  |
| 39                      | ODD_TX1+_LVDS   |    |               |

**② CN202 (to Power board)**

|   |      |    |                      |
|---|------|----|----------------------|
| 1 | GND  | 6  | SW_POWER_TO<br>_SMPS |
| 2 | GND  | 7  | A13V                 |
| 3 | A13V | 8  | PWM_DIM              |
| 4 | GND  | 9  | A13V                 |
| 5 | A13V | 10 | UNDER_DRIVER         |

**③ CN402 (FUNCTION)**

|   |       |   |            |
|---|-------|---|------------|
| 1 | IR    | 5 | MSDA       |
| 2 | GND   | 6 | KEY_INPUT1 |
| 3 | A3.3V | 7 | KEY_INPUT2 |
| 4 | MSCL  | 8 | LED_STB    |

**④ CN302 (SPEAKER)**

|   |    |   |    |
|---|----|---|----|
| 1 | R+ | 3 | L+ |
| 2 | R- | 4 | L- |

**⑤ CN404\_COMP(COMPONENT)**

|   |              |    |                     |
|---|--------------|----|---------------------|
| 1 | GND          | 9  | TEST_PR             |
| 2 | COMP1_Y_CVBS | 10 | GND                 |
| 3 | IDENT_VIDEO1 | 11 | COMP1_AV1_SL_<br>IN |
| 4 | GND          | 12 | TEST_SL             |
| 5 | COMP1_PB     | 13 | GND                 |
| 6 | IDENT_COMP1  | 14 | COMP1_AV1_SR_<br>IN |
| 7 | GND          | 15 | TEST_SR             |
| 8 | COMP1_PR     |    |                     |

**⑥ CN501\_H1 (HDMI1)**

|    |              |    |              |
|----|--------------|----|--------------|
| 1  | HDMI1_RX2+   | 11 | GND          |
| 2  | GND          | 12 | HDMI1_RXCLK- |
| 3  | HDMI1_RX2-   | 13 | CEC          |
| 4  | HDMI1_RX1+   | 14 | NC           |
| 5  | GND          | 15 | HDMI1_SCL    |
| 6  | HDMI1_RX1-   | 16 | HDMI1_SDA    |
| 7  | HDMI1_RX0+   | 17 | GND          |
| 8  | GND          | 18 | HDMI1_5V     |
| 9  | HDMI1_RX0-   | 19 | STB_CHECK    |
| 10 | HDMI1_RXCLK+ |    |              |

**⑦ CN502\_H2 (HDMI2)**

|    |              |    |              |
|----|--------------|----|--------------|
| 1  | HDMI2_RX2+   | 11 | GND          |
| 2  | GND          | 12 | HDMI2_RXCLK- |
| 3  | HDMI2_RX2-   | 13 | CEC          |
| 4  | HDMI2_RX1+   | 14 | NC           |
| 5  | GND          | 15 | HDMI_SCL     |
| 6  | HDMI2_RX1-   | 16 | HDMI_SDA     |
| 7  | HDMI2_RX0+   | 17 | GND          |
| 8  | GND          | 18 | 5V           |
| 9  | HDMI2_RX0-   | 19 | STB_CHECK    |
| 10 | HDMI2_RXCLK+ |    |              |

**⑧ CN1101 (USB1)**

|   |          |   |        |
|---|----------|---|--------|
| 1 | B5V_USB1 | 3 | USB_DP |
| 2 | USB_DM   | 4 | GND    |

**⑨ CN301(Headphone)**

|   |         |   |          |
|---|---------|---|----------|
| 1 | GND     | 5 | TEST_SR  |
| 2 | SL_OUT  | 6 | IDENT_HP |
| 3 | SR_OUT  | 7 | GND      |
| 4 | TEST_SL |   |          |

**⑩ OP301\_OP (OPTICAL)**

|   |           |   |     |
|---|-----------|---|-----|
| 1 | SPDIF_OUT | 3 | GND |
| 2 | B5V       |   |     |

**⑪ CN401\_SC (SCART)**

|    |              |    |                |
|----|--------------|----|----------------|
| 1  | SC_SR_OUT    | 12 | NC             |
| 2  | SC_AV2_SR_IN | 13 | GND            |
| 3  | SC_SL_OUT    | 14 | GND            |
| 4  | GND          | 15 | SC_R           |
| 5  | GND          | 16 | SC_FB          |
| 6  | SC_AV2_SL_IN | 17 | GND            |
| 7  | SC_B         | 18 | GND            |
| 8  | IDENT_SC     | 19 | SC_CVBS_OUT    |
| 9  | GND          | 20 | SC_AV2_CVBS_IN |
| 10 | NC           | 21 | GND            |
| 11 | SC_G         |    |                |

## 5. Wiring Diagram


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| <b>12 CN1301_CI (PCMCIA)</b> |              |    |             |
|------------------------------|--------------|----|-------------|
| 1                            | GND          | 35 | GND         |
| 2                            | PCM_DATA[3]  | 36 | PCM_CD1     |
| 3                            | PCM_DATA[4]  | 37 | TSO_DATA[3] |
| 4                            | PCM_DATA[5]  | 38 | TSO_DATA[4] |
| 5                            | PCM_DATA[6]  | 39 | TSO_DATA[5] |
| 6                            | PCM_DATA[7]  | 40 | TSO_DATA[6] |
| 7                            | PCM_CE1      | 41 | TSO_DATA[7] |
| 8                            | PCM_ADDR[10] | 42 | NC          |
| 9                            | PCM_OE       | 43 | NC          |
| 10                           | PCM_ADDR[11] | 44 | PCM_IORD    |
| 11                           | PCM_ADDR[9]  | 45 | PCM_IOWR    |
| 12                           | PCM_ADDR[8]  | 46 | CH_START    |
| 13                           | PCM_ADDR[13] | 47 | CH_DATA[0]  |
| 14                           | PCM_ADDR[14] | 48 | CH_DATA[1]  |
| 15                           | PCM_WE       | 49 | CH_DATA[2]  |
| 16                           | PCM_IRQA     | 50 | CH_DATA[3]  |
| 17                           | VCC_CI_5V    | 51 | VCC_CI_5V   |
| 18                           | VCC_CI_5V    | 52 | VCC_CI_5V   |
| 19                           | CH_VALID     | 53 | CH_DATA[4]  |
| 20                           | CH_CLK       | 54 | CH_DATA[5]  |
| 21                           | PCM_ADDR[12] | 55 | CH_DATA[6]  |
| 22                           | PCM_ADDR[7]  | 56 | CH_DATA[7]  |
| 23                           | PCM_ADDR[6]  | 57 | TSO_CLK     |
| 24                           | PCM_ADDR[5]  | 58 | PCM_RESET   |
| 25                           | PCM_ADDR[4]  | 59 | PCM_WAIT    |
| 26                           | PCM_ADDR[3]  | 60 | NC          |
| 27                           | PCM_ADDR[2]  | 61 | PCM_REG     |
| 28                           | PCM_ADDR[1]  | 62 | TSO_VALID   |
| 29                           | PCM_ADDR[0]  | 63 | TSO_START   |
| 30                           | PCM_DATA[0]  | 64 | TSO_DATA[0] |
| 31                           | PCM_DATA[1]  | 65 | TSO_DATA[1] |
| 32                           | PCM_DATA[2]  | 66 | TSO_DATA[2] |
| 33                           | VCC_CI_5V    | 67 | PCM_CD1     |
| 34                           | GND          | 68 | GND         |

### 5-3. Connector Functions

| Connector               | Function  |
|-------------------------|---|
| CN202 ↔ IP CN           | Supply main power and dimming signal from SMPS to Main Board. |
| CN1201_FHD ↔ T-CON CNF1 | The LVDS signal transferred from Main Board to Panel.         |

5-4. Cables

| USE   |     | LED Harness (PD - panel)   | Power Harness (PD - Main)   |
|-------|-----|--|---|
|       |     | LEAD CONNECTOR   | LEAD CONNECTOR  |
| Code  | 32" | BN39-01884C  | BN39-01885A   |
|       | 40" | BN39-01884B  | BN39-01885C   |
|       | 48" | BN39-01884B  | BN39-01885H   |
|       | 50" | BN39-01884B  | BN39-01885N   |
|       | 55" | BN39-01884B  | BN39-01885N   |
| Photo |     |   |   |
|       |     |  |  |

| USE   |     | LVDS CABLE (Main - panel)  |
|-------|-----|--|
|       |     | ASSY CABLE P-FFC   |
| Code  | 32" | BN96-27044P  |
|       | 40" | BN96-27044N  |
|       | 48" | BN96-31530P  |
|       | 50" | BN96-31530R  |
|       | 55" | BN96-36243E  |
| Photo |     |   |
|       |     |  |

**NOTE**

The code number of cable can be changed, see "Exploded Views and Parts List".