



FHD TV

Chassis : UWK60

Model : UE40K6372SU

UE49K6372SU

UE55K6372SU

SERVICE Manual

FHD TV



UE**K6372SU

Contents

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

Contents

1. Precautions	1-1
1-1. Safety Precautions	1-1
1-1-1. Warnings.....	1-1
1-1-2. Servicing the LED TV	1-1
1-1-3. Fire and Shock Hazard	1-1
1-1-4. Product Safety Notices	1-2
1-2. Servicing Precautions.....	1-3
1-2-1. General Servicing Precautions	1-3
1-3. Static Electricity Precautions	1-4
1-4. Installation Precautions	1-5
2. Product Specifications.....	2-1
2-1. Product information	2-1
2-2. Detail Specification	2-2
2-3. NEW Key Features.....	2-11
2-3-1. 16" New UI.....	2-11
2-4. Samsung Smart Remote	2-12
2-5. Supported Formats.....	2-13
2-5-1. Supported image formats and resolutions	2-13
2-5-2. Supported music formats and codecs	2-13
2-5-3. Supported video codecs	2-14
2-6. Accessories	2-15
3. Disassembly and Reassembly	3-1
3-1. Disassembly and Reassembly	3-1
3-2. PTC Disassembly	3-7
3-2-1. Caution	3-7
3-2-2. How to disassemble	3-7
4. Troubleshooting	4-1
4-1. How to Check Fault Symptom	4-1
4-1-1. Power	4-1
4-1-2. MAIN.....	4-5
4-1-3. Video.....	4-9
4-1-4. Audio.....	4-11
4-1-5. Network.....	4-12
4-1-6. Smart Hub	4-13
4-1-7. Bluetooth / WiFi Module	4-15
4-2. Factory Mode Adjustments	4-16
4-2-1. Entering Factory Mode	4-16
4-2-2. Detail Factory Option.....	4-18
4-2-3. Factory Data	4-21
4-3. White Balance	4-34
4-3-1. Calibration	4-34
4-3-2. Service Adjustment.....	4-34
4-3-3. Adjustment.....	4-36
4-4. Updating the TV's Software.....	4-37

5. Wiring Diagram5-1

5-1. Layout.....5-1

5-2. Wiring Diagram.....5-2

5-3. Connector5-3

5-3-1. Main Board5-3

5-4. Connector Functions5-6

ANNEX. Exploded View & Part List [UE40K6372SUXXH FA01]..... ANNEX-1

1-1. Exploded View..... ANNEX-1

1-1-1. Parts List..... ANNEX-1

2-1. Electrical Parts List..... ANNEX-2

ANNEX. Exploded View & Part List [UE49K6372SUXXH FA01]..... ANNEX-1

1-1. Exploded View..... ANNEX-1

1-1-1. Parts List..... ANNEX-1

2-1. Electrical Parts List..... ANNEX-2

ANNEX. Exploded View & Part List [UE55K6372SUXXH FA01]..... ANNEX-1

1-1. Exploded View..... ANNEX-1

1-1-1. Parts List..... ANNEX-1

2-1. Electrical Parts List..... ANNEX-2





**This Service Manual is a property of Samsung Electronics Co.,Ltd.
Any unauthorized use of Manual can be punished under applicable
International and/or domestic law.**




**© 2016 Samsung Electronics Co.,Ltd.
All rights reserved.
Printed in Korea**

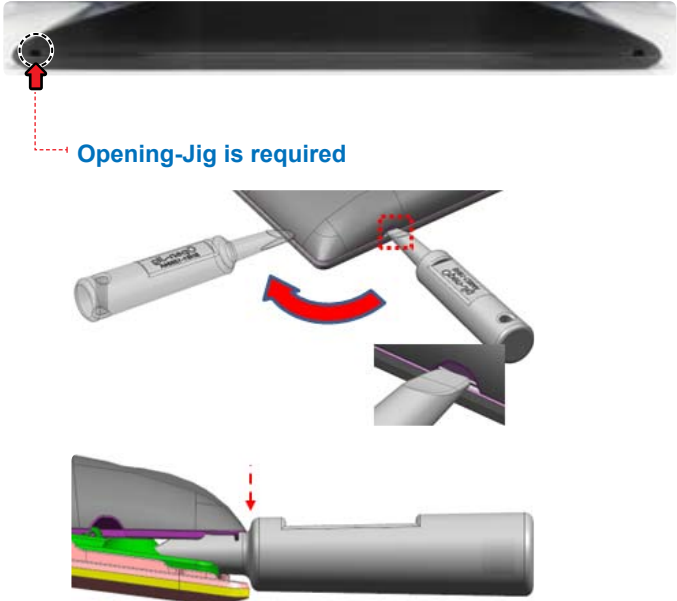
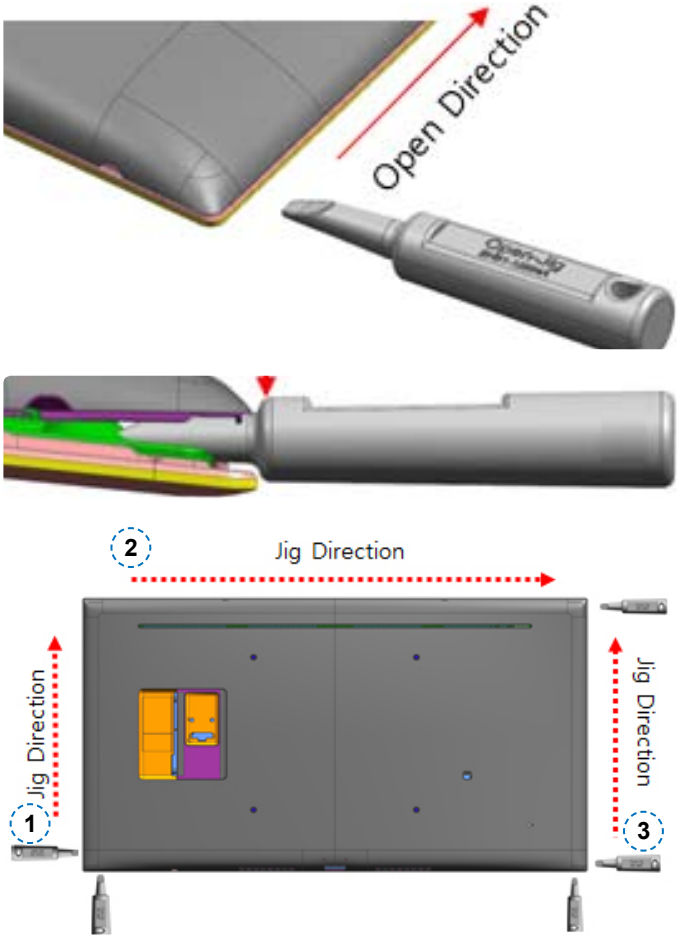
3. Disassembly and Reassembly

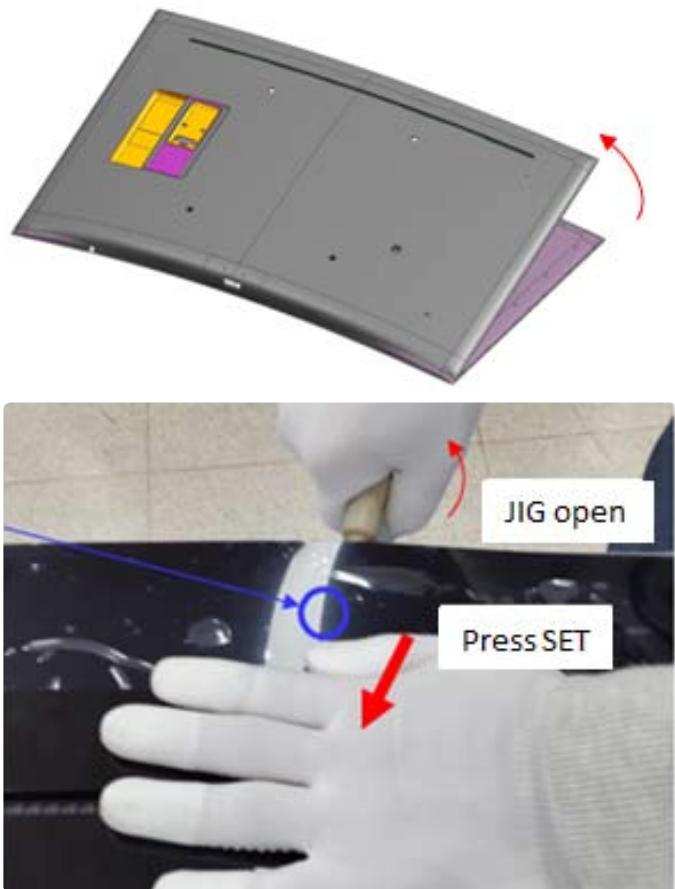

3-1. Disassembly and Reassembly

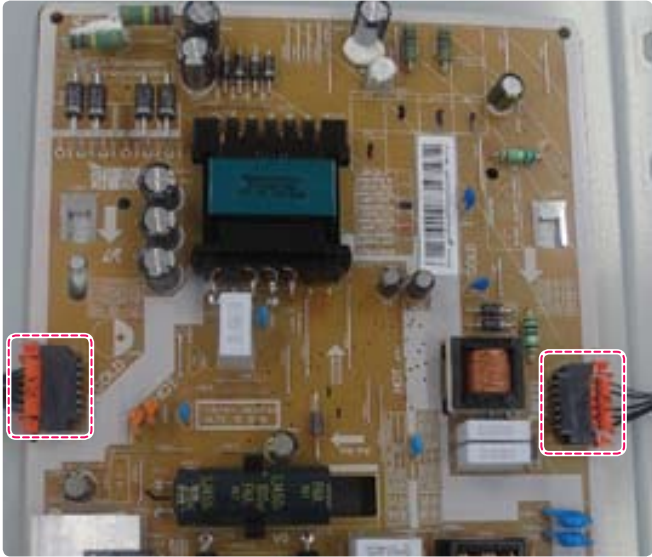
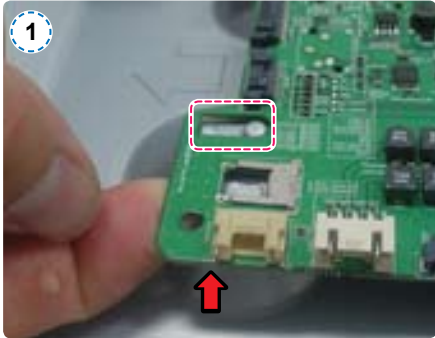

Require Parts



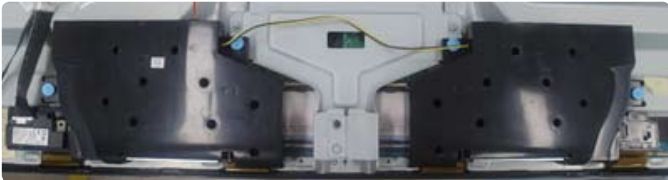
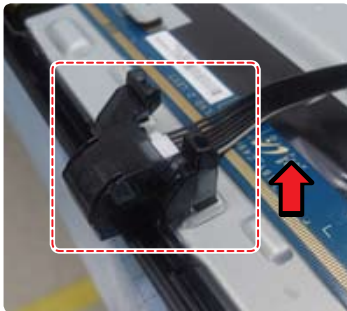
Required Jigs & Tools		
	<ul style="list-style-type: none">• Open Jig Tool	BN81-12884A
	<ul style="list-style-type: none">• Protective Cushion	BN81- 10739A


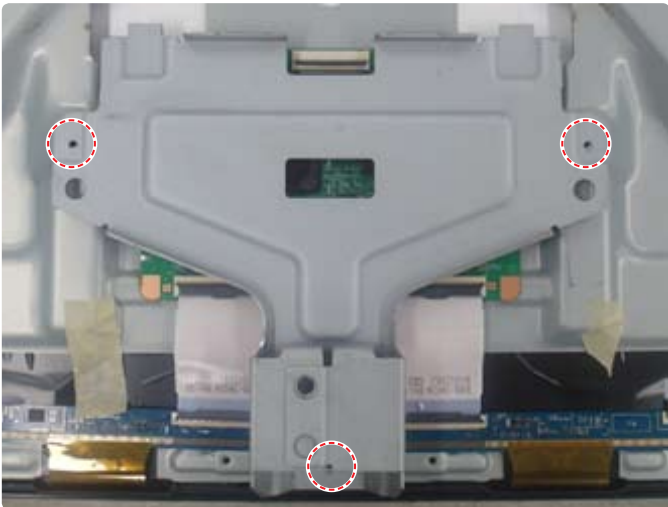

Description	Picture Description
<p>1 Place TV facing down on the table with a curved cushion.</p>	
<p>2 Remove the stand screws(4ea) and then pull out the stand.</p> <p>Screws</p> <p> 6001-003072 x 4EA TORQUE : 7~13 lbf</p>	

Description	Picture Description
<p>3 Insert the Opening-Jig at the indicated positions to release bottom left corners of the rear cover.</p>	
<p>4 Open-Jig should be fully inserted and then pry to release the rear cover mounting clips. Move indicated direction.</p>	

Description	Picture Description
<p>5 Gently lift up the Rear Cover as shown in the picture. (It can be opened when the 3 edges are disassembled.)</p>	 <p>The top image shows the rear cover of the device being lifted. The bottom image shows a gloved hand using a JIG to open the rear cover. A red arrow points to the JIG, and a blue circle highlights the SET button. Text labels 'JIG open' and 'Press SET' are present.</p>
<p>6 Remove the function cable, wi-fi cable, speaker cable, SMPS cable and LVDS cable.</p>	 <p>The image shows the main board with several cables highlighted by red dashed boxes. These cables are the function cable, wi-fi cable, speaker cable, SMPS cable, and LVDS cable.</p>

Description	Picture Description
<div>7</div> <div>Remove the SMPS cable and BLU cable.</div>	 A photograph of a yellow printed circuit board (PCB) with various electronic components. Two connectors are highlighted with red dashed boxes: a multi-pin connector on the left and a similar one on the right, both with orange and black wires attached.
<div>8</div> <div>Removing Main board.<ul style="list-style-type: none">Gently lift up (Bottom Right corner) to release the lockUse both hands to hold the board and slide UP to release the board</div>	<div><div>1</div>A close-up photograph of a green PCB being lifted by a finger. A red dashed box highlights a small notch or lock mechanism. A red arrow points upwards from the bottom edge of the board.</div> <div><div>2</div>A photograph of the green PCB being held by two hands. Red arrows point upwards from the bottom corners, indicating the direction to slide the board.</div>

Description	Picture Description
<div>9</div> <div>Removing SMPS board.</div> <div><ul style="list-style-type: none">Gently lift up (Bottom Left corner) to release the lockUse both hands to hold the board and slide UP to release</div>	<div><div><div>1</div></div><div><div>2</div></div></div>
<div>10</div> <div>Remove the speaker and function.</div>	<div><div></div><div></div></div>

Description	Picture Description
<div>11</div> <div>Remove Bracket-Stand Link.</div> <div>Screws</div> <div> 6001-003016 x 3EA TORQUE : 4~5 lbf</div>	
<div>12</div> <div>Completed disassembly.</div>	



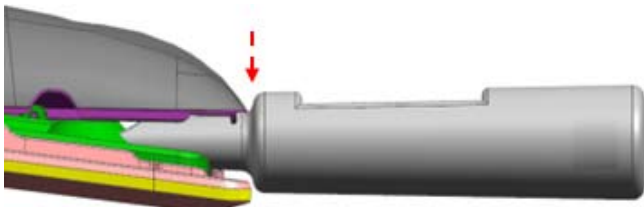
- Be careful during disassembly at Parting(must glove).
- Be careful during disassembly at corner ribs.
- Hooks can be damaged when disassembling is done by hands or tools which is bigger than Opening-Jig.
- Be careful the damage of Chassis-Front and Cover-Rear



NOTE

Reassembly procedures are in the reverse order of disassembly procedures.

Insert Opening-Jig as shown in the picture.



3-2. PTC Disassembly

3-2-1. Caution



CAUTION

- Because A and B are assembled in HOOK (locking step) method, when the rotational force, This may result in damage to the PTC HOOK.
- Please use the JIG & turn off the HOOK LOCK as shown below.



when the rotational force



This may result in damage to the PTC HOOK.



CAUTION

- Around the OPEN-CELL COF there is no HOOK, Do not insert JIG. It can damage the CoF of OPEN-CELL.



3-2-2. How to disassemble

1. Place OPEN-CELL Face up, and Unlock the HOOK using the JIG.

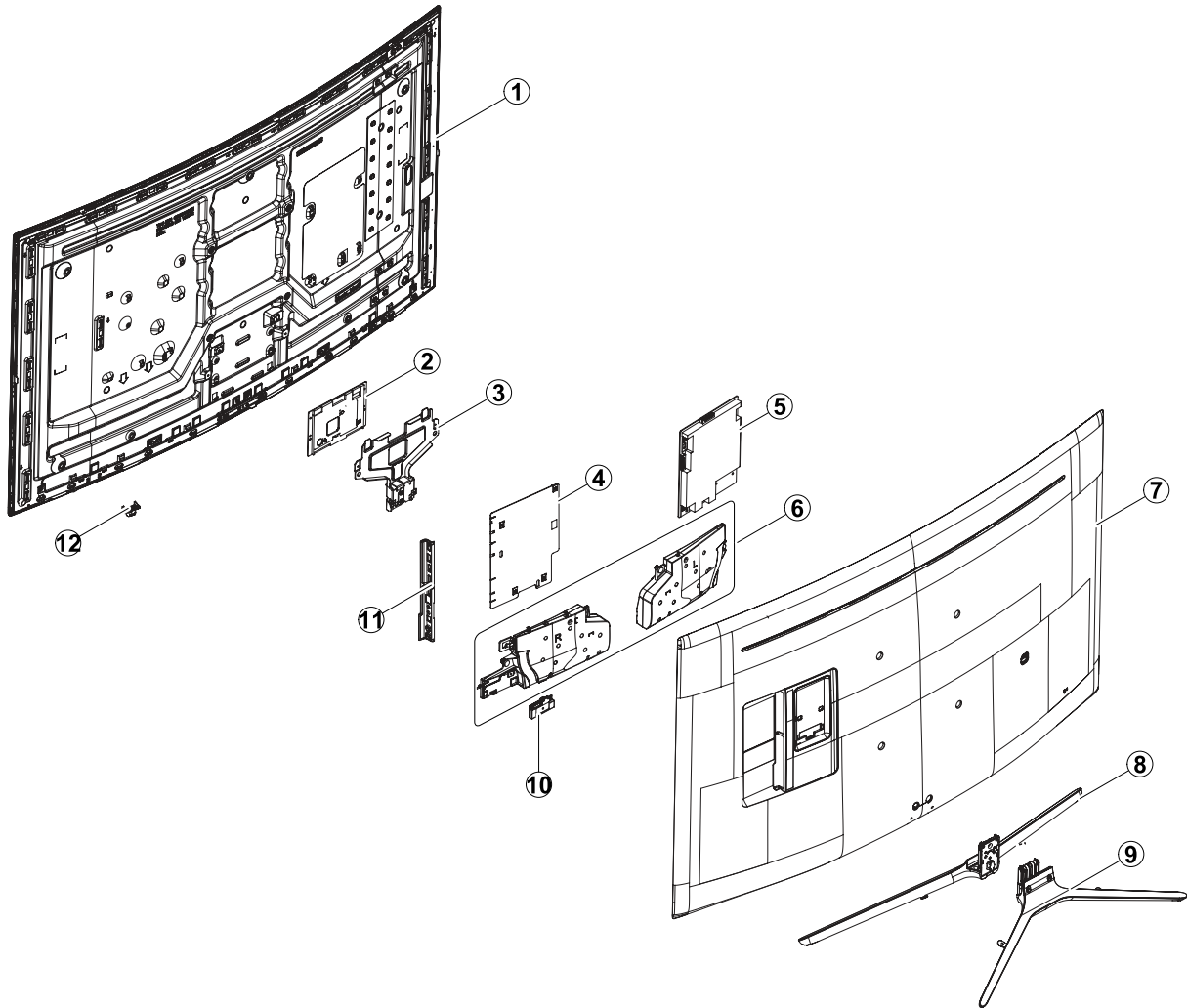


2. The bottom, Where there is no COF, there is a HOOK. Unlock the HOOK using the JIG.



ANNEX. Exploded View & Part List [UE40K6372SUXXH FA01]

1-1. Exploded View



1-1-1. Parts List

No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
1	BN95-02615A	PRODUCT LCD-SDC; CY-VK040BGLV1V/H,K6300,B	1	SA	
2	BN95-02675A	ASSY T CON; K6300 40inch,Hawk-FTs	1	SA	
3	BN61-13287A	BRACKET-STAND LINK; 40K5500,EGI-SECC,T1.6	1	SNA	
4	BN94-10792C	ASSY PCB MAIN; LEDTV 6K	1	SA	
5	BN44-00871A	DC VSS-PD BOARD; L40E1_KDY,AC/DC,93W,100-	1	SA	
6	BN96-39972B	ASSY SPEAKER P-FRONT; TV-SPK,K6200,6ohm,1	1	SA	
7	BN96-39742D	ASSY COVER P-REAR; 40K6200,PC+ABS+ED20%,	1	SA	
8	BN96-40077A	ASSY STAND P-FRONT; 40K5500,PC+ABS,BK0008	1	SA	
9	BN96-40079A	ASSY STAND P-REAR; 40K5500,PC+ABS,BK0008	1	SA	
10	BN59-01240A	NETWORK-WLAN CLIENT; WCK720Q,USB 2.0,16P,	1	SA	
11	BN63-15299A	COVER-TERMINAL SIDE; 40K5500,HIPS,MOLD,HB	1	SA	
12	BN96-39802B	ASSY BOARD P-FUNCTION TACT; K6200/K5500/K	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
			UE40K6372SUXXH (FA01)			
1	R001A	BN90-07991C	ASSY COVER REAR;LEDTV 6K	1	SNA	
0.2	R001A	BN96-39742D	ASSY COVER P-REAR;40K6200,PC+ABS+ED20%,V	1	SA	
..3	CCM1	BN63-02183F	SHEET-PROTECTION COVER;Rhcm,PE,T0.05,W90	1	SNA	
..3		BN63-07556G	SHEET-COVER;TOC,PO,T0.068,W70mm,100M,ST-	3	SNA	
..3	AC220	BN63-15198A	COVER-CAP;55KS7500,ABS+PMMA,T0.1,HB,BK00	4	SNA	
..3	R001	BN63-15259B	COVER-REAR;40K6200,PC+ABS+ED20%,MOLD, V-1	1	SNA	
...4		0103-010837	RESIN PC ABS;CM20G/BK90080,Dark Gray,GY0	1742	SNA	
..3	AC220	BN63-15933A	COVER-CAP;49K6200,PC+ABS+ED20%,MOLD,V-1,	2	SNA	
..3		BN64-03519D	INLAY-TERMINAL SIDE;49K6200,PET,T0.125,W	1	SNA	
..3		BN68-03518H	LABEL-STICKER CI SLOT;WW,ALL,PET,T0.1,W1	1	SNA	
..3		BN68-07835C	LABEL-STICKER LICENSE;40K5500,PET,0.125,	1	SNA	
1		BN90-08023A	ASSY W/I;LEDTV 6K	1	SNA	
0.2		BN81-08159Z	A/S PART SET-ELEC W/I;LED TV ELEC spec-C	1	SNA	
0.2		BN81-12184W	A/S PART SET-MECH W/I;UK6300E,U40KM*	1	SNA	
1	S001A	BN90-08288B	ASSY STAND;LEDTV 6K	1	SNA	
0.2		BN96-40077A	ASSY STAND P-FRONT;40K5500,PC+ABS,BK0008	1	SA	
..3		6001-003168	SCREW-MACHINE;CH,+,M3,L5,ZPC(BLK),SWRCH1	2	SNA	
..3	SCREW	6003-001334	SCREW-TAPTYPE;BH,+,S,M4,L14,ZPC(BLK),SWR	2	SA	
..3		6902-002660	BAG PE;HDPE/PE FOAM,T0.015/T0.5,W120,L20	1	SNA	
..3		BN61-13415A	BRACKET-STAND BOTTOM FRONT;40K5500,SM45C	1	SNA	
..3		BN61-13421A	BRACKET-STAND NECK FRONT;40K5500,HGI,T4,	1	SNA	
...4		BN61-13531A	STUD-PEM;40K5500,SUM24L,NATURAL	1	SNA	
..3		BN61-13427A	GUIDE-STAND FRONT;40K5500,PC+GF20%,V-2,G	1	SNA	
..3		BN61-14105B	BRACKET-STAND LINK FRONT;40K5500,EGI-SEC	1	SNA	
..3		BN63-11118E	SHEET-PROTECTION COVER;STANDARD ENCLOSUR	1	SNA	
..3		BN63-15241A	COVER-STAND BOTTOM FRONT;40K5500,PC+ABS,	1	SNA	
..3		BN63-15764A	SHEET-PU FOAM;40K5500,SI,T0.3,W57.05,L34	1	SNA	
..3		BN95-02800A	ASSY COVER STAND SMT-FRONT TOP;K6200,40,	1	SNA	
...4		0204-007315	COATING;CVM92000(VOC),CLEAR,1.06	0	SNA	
...4		AA69-03855M	PAD-DP SHEET;CB,W725,L520	1	SNA	
...4		BN63-15238A	COVER-STAND TOP FRONT;40K5500,PC+ABS,MOL	1	SNA	
...4		BN69-10617S	PACKING SHEET;48" 6500 INHOUSE,HDPE/PE F	1	SNA	
...4		BN69-13724T	MASTER BOX-DP;40K5500,CB,DW1,A1,L735,W53	1	SNA	
0.2		BN96-40079A	ASSY STAND P-REAR;40K5500,PC+ABS,BK0008	1	SA	
..3	SCREW	6003-001238	SCREW-TAPTYPE;FH,+,S,M4,L8,ZPC(BLK),SWRC	2	SA	
..3	SCREW	6003-001355	SCREW-TAPTYPE;BH,+,S,M4,L20,ZPC(BLK),SWR	2	SNA	
..3	SCREW	6003-001845	SCREW-TAPTYPE;FH,+,B,M4,L6,ZPC(BLK),SWRC	2	SNA	
..3		6021-000265	NUT-HEXAGON;2C,M4,ZPC(WHT),SWRCH10A	4	SNA	
..3		6902-002661	BAG PE;HDPE/PE FOAM,T0.015/T0.5,W140,L20	1	SNA	
..3		BN60-00162C	SPACER-FOAM;PE FOAM,ROLL,GRAY,T0.5,W15	1	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
..3		BN61-04692A	ADHESIVE-AA;SHEET,CLEAR,C043	0	SNA	
..3		BN61-06871A	BOSS-BOND;UC9000,Dimethacrylate ester,Re	0	SNA	
..3		BN61-13418A	BRACKET-STAND BOTTOM REAR;40K5500,HGI,T1	1	SNA	
..3		BN61-13424A	BRACKET-STAND NECK REAR;K5500 40" 43",HG	1	SNA	
..3		BN61-13430A	GUIDE-STAND REAR;40K5500,PC+GF20%,V-2,GY	1	SNA	
...4		0103-010578	RESIN PC;HF-3200H/G33168,Gray,GY0296,1.5	45	SNA	
..3	RF01	BN61-13520B	FOOT-RUBBER;40K5500,Si,GRAY,T3,W5 L5	4	SNA	
..3		BN63-15247A	COVER-STAND BOTTOM REAR;40K5500,PC+ABS,M	1	SNA	
...4		0103-010892	RESIN PC ABS;NH-1017SG/G33438,Blue Gray,	120	SNA	
..3		BN63-15764B	SHEET-PU FOAM;55K5500,PU FOAM,T0.3,W57,L	1	SNA	
..3		BN68-05603A	LABEL-E PASS;ART PAPER 90G,W/W	3	SNA	
..3		BN95-02802A	ASSY COVER STAND SMT-REAR TOP;K6200,40,S	1	SNA	
...4		0203-001269	TAPE-OPP;#301,T0.06,W75,L50000,NTR	0	SNA	
...4		AA69-04046Q	PAD-DP SHEET;CB,SW,500,490	1	SNA	
...4		BN01-00337A	TARGET-ALUMINIUM CY;Al,99.9%,1924mm, 132	0	SNA	
...4		BN01-00340A	TARGET-CHROMIUM CY;Cr,99.5%,1924mm, 132d	0	SNA	
...4		BN63-15244A	COVER-STAND TOP REAR;40K5500,PC+ABS,MOLD	1	SNA	
....5		0103-005041	RESIN PC ABS;FR3200TV,901408,BK0008,1.2m	59	SNA	
....5		BN63-11118F	SHEET-PROTECTION COVER;K6200,PET,T0.04,W	1	SNA	
....5		BN63-11118P	SHEET-PROTECTION COVER;55K6200,PET,T0.04	0	SNA	
..4		BN68-03920A	LABEL BOX;ALL,ART,100g,W100,L75,W/W	2	SNA	
..4		BN69-10617B	PACKING SHEET;32" UH6300,HDPE/PE FOAM,PE	1	SNA	
..4		BN69-13724Q	MASTER BOX-DP;40K5500,CB,DW1,A1,L515,W50	1	SNA	
..3		BN96-35528C	ASSY ACCESSORY-SCREW;40K5500,W/W,M4,L25,	1	SNA	
..4		6001-003072	SCREW-MACHINE;BH,+,WS,M4,L25,NI PLT,SWRC	4	SA	
1		BN91-17301B	ASSY SHIELD;LEDTV 6K	1	SNA	
0.2	SCREW	6001-003081	SCREW-MACHINE;PWH,+,M3,L5,ZPC(WHT),SWR CH	5	SA	
0.2		BN39-02217D	LEAD CONNECTOR-POWER;43K5500,UL21016,12P	1	SA	
0.2		BN39-02219C	LEAD CONNECTOR-SUB ASSY;40K5500,UL21016,	1	SA	
0.2		BN39-02223A	LEAD CONNECTOR-SUB ASSY;40K5500,UL21016,	1	SA	
0.2		BN44-00871A	DC VSS-PD BOARD;L40E1_KDY,AC/DC,93W,100-	1	SA	
0.2		BN59-01240A	NETWORK-WLAN CLIENT;WCK720Q,USB 2.0,16P,	1	SA	
0.2	CB18	BN61-13287A	BRACKET-STAND LINK;40K5500,EGI-SECC,T1.6	1	SNA	
..3		BN61-09605A	STUD-PEM;LED TV F6100,SUM24L,L8	4	SNA	
0.2	RB01	BN63-15932A	COVER-BOTTOM;49K6200,PC+ABS+ED20%,MOL D,V	1	SA	
0.2		BN96-39802B	ASSY BOARD P-FUNCTION TACT;K6200/K5500/K	1	SA	
0.2		BN96-39972B	ASSY SPEAKER P-FRONT;TV-SPK,K6200,6ohm,1	1	SA	
0.2		BN96-40209B	FFC CABLE;40K6200,Wrinkle,L300,51P	1	SA	
1	M0017	BN91-17373F	ASSY CHASSIS;LED TV 6K	1	SNA	
0.2	M0014	BN94-10792C	ASSY PCB MAIN;LEDTV 6K	1	SA	
..3	AH020	BN62-00821A	HEAT SINK;49K6200,A1050,6.3T,W127.6,L94.	1	SNA	
..3		BN63-15299A	COVER-TERMINAL SIDE;40K5500,HIPS,MOLD,HB	1	SA	
..3		BN97-09470B	ASSY DRM;MAC, MIRACAST HDCP	1	SNA	
...4		BN46-00109H	KEY CODE-CERTIFICATION;MAC,TV/AV,General	1	SNA	

ANNEX. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...4		BN46-00110P	KEY CODE-CERTIFICATION;MIRACAST(HDCP2.2)	1	SNA	
...4		BN46-00115P	KEY CODE-CERTIFICATION;CI+, TV, HAWK, EU	1	SNA	
..3		BN97-10642C	ASSY SMD;LED TV 6K	1	SNA	
...4	DS01A	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	SA	
...4		0403-001783	DIODE-ZENER;BZB84-C6V2,5.8~6.6V,300mW,SO	3	SNA	
...4		0404-001404	DIODE-SCHOTTKY;BAT721C,40V,200mA,SOT-23,	4	SA	
...4		0404-001881	DIODE-SCHOTTKY;SS3040-HE,40V,3000mA,SOD-	3	SA	
...4		0406-001200	DIODE-TVS;RClamp0504F,6V,1MAV,TP	2	SA	
...4		0406-001290	DIODE-TVS;3.0SMCJ20A,22.2V,24.5V,5MAV,30	1	SNA	
...4		0406-001628	DIODE-TVS;AOZ8804ADI,6V,1MAV,5A,TP	1	SA	
...4		0406-001635	DIODE-TVS;SMF5.0A,6.4V,6.7V,7V,200MAV,20	7	SA	
...4		0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	3	SC	
...4		0504-000126	TR-DIGITAL;KSR1101,NPN,200mW,4.7K/4.7K,S	1	SA	
...4		0505-002560	FET-SILICON;AO6415,P,20V,-3.3A,0.15ohm,1	1	SA	
...4		0505-002598	FET-SILICON;AP2317GN,P,20V,-4.2A,0.052oh	1	SA	
...4		0505-002893	FET-SILICON;AO4801AS,P,30V,-5A,2W,SOIC-8	1	SA	
...4		0505-003397	FET-SILICON;2N7002K,N,60V,0.38A,1.19ohm,	2	SA	
...4		0505-003507	FET-SILICON;AO3424,N,30V,3.8A,1.4W,SOT-2	4	SA	
...4		0801-002780	IC-CMOS LOGIC;74LVC1G17,SCHMITT-TRIGGER	1	SA	
...4		0801-003330	IC-CMOS LOGIC;Octal buffer,DQFN,20P,4.5x	1	SA	
...4		1001-001545	IC-ANALOG MULTIPLEX;TS3USB221ERSER,R-PQF	1	SA	
...4		1103-001600	IC-EEPROM;24C512C,512k,SOIC,8P,6.20mmX5.	1	SA	
...4		1105-002681	IC-DDR3 SDRAM;H5TQ4G63CFR,DDR3 1866,4Gbi	3	SNA	
...4		1201-003690	IC-AUDIO AMP;TAS5747PHPR,QFP,48P,DUAL,PL	1	SA	
...4		1203-004364	IC-VOL. DETECTOR;RT9818C-42PV,SOT-23,3P,	1	SA	
...4		1203-007018	IC-DC/DC CONVERTER;TPS54821RHL,QFN,14,3.	1	SA	
...4		1203-007238	IC-PWM CONTROLLER;TPS54427,DDA,8P,4.8x3.	1	SNA	
...4		1203-007700	IC-DC/DC CONVERTER;TPS54527DDAR,DDA,8P,5	1	SA	
...4		1203-008105	IC-POS.FIXED REG.;S-13A1D33-E800,HSOP,8	1	SNA	
...4		1203-008112	IC-POS.ADJUST REG.;AOZ2002PI,SO-8,8,4.9	1	SA	
...4		1203-008118	IC-DC/DC CONVERTER;AOZ3013PI,SO-8,8,4.96	2	SA	
...4		1203-008183	IC-DC/DC CONVERTER;AOZ3015PI-1,EPAD SO-8	1	SA	
...4		1203-008392	IC-VOL. DETECTOR;S-6414AAB-L800X,TSOT-23	1	SA	
...4		1203-008393	IC-DDR TERMINATION REG.;AP2303MTR-G1-89,	1	SA	
...4		1203-008448	IC-DC/DC CONVERTER;A8305SESTR-T,QFN,16,3	1	SNA	
...4		1203-008454	IC-DC/DC CONVERTER;TPS56528,HSOP8,8,4,89	1	SA	
...4		1204-003586	IC-DECODER;SDP1415,PBGA,631P,23x23mm,PLA	1	SA	
...4		1205-004447	IC-SWITCH;TPS2051CDBVR,SOT23-5,5P,3x1.65	1	SA	
...4		1205-004983	IC-SWITCH;BD82032FVJ,TSSOP-B8J,8P,3.0x4.	2	SA	
...4		1205-005537	IC-REPEATER;TCA9517,VSSOP,8P,3.00x3.00mm	3	SA	
...4		1405-001271	VARIATOR;35V,20VDC,5A,1.0x0.5mm,TP,100V,	15	SA	
...4		2007-000137	R-CHIP;2Kohm,5%,1/16W,TP,1005	16	SNA	
...4		2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	21	SNA	
...4		2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SNA	
...4		2007-000174	R-CHIP;47ohm,5%,1/16W,TP,1005	26	SNA	
...4		2007-000932	R-CHIP;470ohm,5%,1/16W,TP,1005	3	SNA	
...4		2007-001116	R-CHIP;680ohm,1%,1/10W,TP,1608	1	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...4		2007-001288	R-CHIP;18ohm,5%,1/16W,TP,1005	4	SA	
...4		2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	10	SNA	
...4		2007-007107	R-CHIP;100Kohm,1%,1/16W,TP,1005	14	SNA	
...4		2007-007132	R-CHIP;15Kohm,1%,1/16W,TP,1005	3	SA	
...4		2007-007133	R-CHIP;300ohm,1%,1/16W,TP,1005	1	SA	
...4		2007-007134	R-CHIP;39Kohm,1%,1/16W,TP,1005	2	SA	
...4		2007-007135	R-CHIP;18Kohm,1%,1/16W,TP,1005	2	SNA	
...4		2007-007136	R-CHIP;4.7Kohm,1%,1/16W,TP,1005	2	SNA	
...4		2007-007137	R-CHIP;1.2Kohm,1%,1/16W,TP,1005	4	SA	
...4		2007-007138	R-CHIP;27Kohm,1%,1/16W,TP,1005	3	SNA	
...4		2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	25	SNA	
...4		2007-007307	R-CHIP;150ohm,1%,1/16W,TP,1005	1	SNA	
...4		2007-007311	R-CHIP;22Kohm,1%,1/16W,TP,1005	6	SA	
...4		2007-007312	R-CHIP;20Kohm,1%,1/16W,TP,1005	2	SA	
...4		2007-007313	R-CHIP;6.8Kohm,1%,1/16W,TP,1005	2	SA	
...4		2007-007317	R-CHIP;2.2Kohm,1%,1/16W,TP,1005	1	SA	
...4		2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	22	SNA	
...4		2007-007470	R-CHIP;7.5Kohm,1%,1/16W,TP,1005	1	SNA	
...4		2007-007488	R-CHIP;75Kohm,1%,1/16W,TP,1005	1	SNA	
...4		2007-007517	R-CHIP;240ohm,1%,1/16W,TP,1005	7	SNA	
...4		2007-007528	R-CHIP;1.5Kohm,1%,1/16W,TP,1005	1	SA	
...4		2007-007587	R-CHIP;3.6Kohm,1%,1/16W,TP,1005	1	SNA	
...4		2007-007767	R-CHIP;200ohm,1%,1/16W,TP,1005	7	SA	
...4		2007-007861	R-CHIP;62Kohm,1%,1/16W,TP,1005	1	SA	
...4		2007-007942	R-CHIP;1Mohm,1%,1/16W,TP,1005	1	SNA	
...4		2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	14	SNA	
...4		2007-008263	R-CHIP;3Kohm,1%,1/16W,TP,1005	1	SA	
...4		2007-008275	R-CHIP;30Kohm,1%,1/16W,TP,1005	3	SNA	
...4		2007-008298	R-CHIP;49.9ohm,1%,1/16W,TP,1005	4	SA	
...4		2007-008429	R-CHIP;499ohm,1%,1/16W,TP,1005	1	SNA	
...4		2007-008485	R-CHIP;22ohm,1%,1/16W,TP,1005	10	SC	
...4		2007-008779	R-CHIP;0ohm,1%,1/16W,TP,1005	4	SA	
...4		2007-009117	R-CHIP;49.9Kohm,1%,1/16W,TP,1005	1	SA	
...4		2007-009777	R-CHIP;4.99Kohm,1%,1/16W,TP,1005	1	SA	
...4		2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,2.	8	SA	
...4		2011-001344	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,2	4	SA	
...4		2011-001345	R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,2	1	SA	
...4		2011-001449	R-NETWORK;22ohm,5%,1/16W,L,4P,TP,1.0x1.0	4	SA	
...4		2011-001497	R-NETWORK;470ohm,5%,1/16W,L,CHIP,4P,TP,1	1	SNA	
...4		2011-001506	R-NETWORK;10Kohm,5%,1/16W,L,CHIP,4P,TP,1	1	SNA	
...4		2011-001587	R-NETWORK;100ohm,5%,1/16W,L,CHIP,4P,TP,1	2	SNA	
...4	AD480	2203-000233	C-CER,CHIP;0.1nF,5%,50V,C0G,TP,1005	6	SA	
...4	AD480	2203-000278	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,TP,1005	2	SA	
...4	AD480	2203-000359	C-CER,CHIP;0.15nF,5%,50V,C0G,TP,1005,0.5	1	SNA	
...4	AD480	2203-000386	C-CER,CHIP;0.015nF,5%,50V,C0G,TP,1005	2	SA	
...4	AD480	2203-000489	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1005	4	SA	
...4	AD480	2203-000585	C-CER,CHIP;0.22nF,10%,50V,X7R,TP,1005	3	SA	

ANNEX. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...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	1	SA	
...4	AD480	2203-000812	C-CER,CHIP;0.033nF,5%,50V,C0G,TP,1005	5	SA	
...4	AD480	2203-000854	C-CER,CHIP;0.039nF,5%,50V,C0G,TP,1005	1	SA	
...4	AD480	2203-000940	C-CER,CHIP;0.47nF,10%,50V,X7R,TP,1005	2	SA	
...4	AD480	2203-000995	C-CER,CHIP;0.047nF,5%,50V,C0G,TP,1005	1	SA	
...4	AD480	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,TP,1005	10	SNA	
...4	AD480	2203-003019	C-CER,CHIP;8.2nF,10%,50V,X7R,TP,1005	2	SNA	
...4	AD480	2203-005083	C-CER,CHIP;220nF,10%,50V,X7R,TP,1608,0.8	8	SA	
...4	AD480	2203-005968	C-CER,CHIP;4.7nF,10%,50V,X7R,TP,1005,0.5	4	SNA	
...4	AD480	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,TP,1005	61	SA	
...4	AD480	2203-006126	C-CER,CHIP;47nF,10%,16V,X7R,TP,1005	3	SNA	
...4	AD480	2203-006257	C-CER,CHIP;470nF,10%,6.3V,X5R,TP,1005,0.	1	SNA	
...4	AD480	2203-006838	C-CER,CHIP;2200nF,10%,6.3V,X5R,TP,1005	11	SA	
...4	AD480	2203-006960	C-CER,CHIP;1000nF,10%,50V,X7R,TP,2012	2	SNA	
...4	AD480	2203-007269	C-CER,CHIP;22000nF,20%,10V,X5R,TP,2012(2	14	SA	
...4		2703-000158	INDUCTOR-SMD;1uH,10%,0.4Ohm,50mA,45,Mult	1	SA	
...4		2703-000213	INDUCTOR-SMD;470nH,10%,1.35Ohm,35mA,15,M	1	SA	
...4		2703-000408	INDUCTOR-SMD;3.3uH,20%,0.28Ohm,500mA,10,	1	SA	
...4		2703-001938	INDUCTOR-SMD;56nH,5%,1005,1.5Ohm,200mA,1	1	SA	
...4		2703-003937	INDUCTOR-SMD;1uH,20%,7.0x6.47x3.0mm,0.00	1	SA	
...4		2703-004724	INDUCTOR-SMD;8.2uH,20%,4T,0.072Ohm,2300m	4	SA	
...4		2703-005191	INDUCTOR-SMD;1.5uH,20%,4.5,0.02Ohm,5300m	2	SA	
...4		2703-005192	INDUCTOR-SMD;4.7uH,20%,4.5,0.036Ohm,4200	2	SA	
...4		2703-005194	INDUCTOR-SMD;3.3uH,20%,4.5,0.03Ohm,4500m	1	SA	
...4		2703-005198	INDUCTOR-SMD;15uH,20%,3T,0.123Ohm,2500mA	1	SNA	
...4		2801-004021	CRYSTAL-SMD;24.576MHz,20ppm,28-AAN,12pF,	1	SA	
...4		3301-001364	BEAD-SMD;1000ohm,1608,TP,1085ohm/108MHz,	7	SNA	
...4		3407-000183	SWITCH-DIP;50V,100mA,SLIDE,STANDARD	1	SNA	
...4		3701-001967	CONNECTOR-HDMI;19P,A,FEMALE,AU,0.5mm,BLK	3	SA	
...4		3707-001104	CONNECTOR-OPTICAL;ANGLE,SPDIF	1	SA	
...4		3710-003908	CONNECTOR-SOCKET;64P,2R,0.5mm,SMD-S,AU,B	1	SA	
...4		3711-007585	CONNECTOR-HEADER;BOX,4P,1R,2.5mm,ANGLE,S	1	SA	
...4		3711-007776	CONNECTOR-HEADER;BOX,8P,1R,1.25mm,SMD-A,	1	SA	
...4	EH01	3711-008859	HEADER-BOARD TO CABLE;BOX,12P,2R,2mm,ANG	1	SA	
...4		3711-009090	CONNECTOR-HEADER;BOX,16P,1R,1.25mm,SMD-A	1	SA	
...4		3722-003199	JACK-MODULAR;8P/8C,Y,ANGLE,NONE,AU,1PORT	1	SA	
...4		3722-003457	JACK-USB;4P/1C,NI,BLK,ANGLE,A,2.0,13.1x1	2	SA	
...4		3722-003814	JACK-PHONE;1P/7C,NI/SN,YEL,ANGLE,3.5PI,1	1	SA	
...4	JACK	3722-003873	JACK-PHONE;1P/7C,AU/SN,BLU,ANGLE,3.5PI,1	1	SA	
...4		6302-001376	GASKET-SMD;;;CONDUCTIVE FABRIC,T14,W43,L	8	SNA	
...4	ET01	BN40-00318A	TUNER-DTV AIR CABLE SAT;DNTS243H5A,DVB-T	1	SA	
...4		BN41-02534A	PCB-MAIN;K5500/6200/6300,FR-4,4L,1.2T,19	1	SNA	
...4	CB07	BN61-13312B	BRACKET-PCB;55KS8000,SK5,0.3,13.7,11.4,S	4	SNA	
...4		BN97-10911B	ASSY MICOM-MAIN;T-HKMKDEUC,UWK60,THGBMB	1	SNA	
....5		1107-002341	IC-EMMC;THGBMBG5D1KBAIT,4GB,BGA,153P,11x	1	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...4		BN97-10913B	ASSY MICOM-SUB;HMMICOM_16_ FHD,UWK60,GD25	1	SNA	
....5		1107-002467	IC-NOR FLASH;GD25Q41BSIGY,4Mbit,SOP,8P,5	1	SA	
1		BN92-19838E	ASSY BOX;LEDTV 6K	1	SNA	
0.2		BH68-00662A	LABEL BOX;ALL,ART,90g,W60,L110,WHT,NO SI	1	SNA	
0.2		BN68-05640A	LABEL BOX;ALL,ART,90g,W110,L130,EUROPE,L	1	SNA	
0.2		BN69-14428L	BOX UNIT;40K6300,CB,DW2,F1,L990,W140,H60	1	SNA	
1		BN92-19868D	ASSY LABEL;LEDTV 6K	1	SNA	
0.2		0203-001598	TAPE-FILAMENT;#8915,0.15,12,55000,CLR	0	SNA	
0.2		BN68-06708G	LABEL-RATING;Monitor,WW,PP,T0.161,W93,L7	1	SNA	
0.2		BN68-07519A	LABEL-ENERGY;ALL JORDAN,WW,PP,T0.135,W60	1	SNA	
0.2		BN68-07874A	LEAFLET-QUICK SETUP GUIDE;K6300,EU,W/P,A	1	SNA	
1	ACCE1	BN92-19898K	ASSY ACCESSORY;LEDTV 6K	1	SNA	
0.2	ACCE4	BN96-39495F	ASSY ACCESSORY-MANUAL;UK6M	1	SNA	
..3		6902-001964	BAG PE;LDPE,BIOBASED,T0.03,W200,L300,TRP	1	SNA	
..3		BN68-03548J	LEAFLET-WARRANTY;comm,Samsung,17Lang,Mid	1	SNA	
..3		BN68-04972E	LEAFLET-REGULATORY GUIDE;ALL,SAMSUNG,W/W	1	SNA	
..3		BN68-07598A	LEAFLET-FICHE;ALL,W/P,0	1	SNA	
..3		BN68-07871D	MANUAL USERS;K6300,XH,W/P	1	SNA	
0.2	ACCE2	BN96-39496B	ASSY ACCESSORY-CABLE;UK6M	1	SNA	
..3		3709-001791	CONNECTOR-CARD SLOT;64P,0.5mm,SMD-A,AU,P	1	SA	
..3	T0268	3903-001118	CBF-POWER CORD;DT,EU,Angle,2P(C7),250V,2	1	SA	
..3		4301-000101	BATTERY-ALKALINE;1.5V,1650mAh,LR6,14.5x5	2	SNA	
..3		6902-001965	BAG PE;LDPE,BIOBASED,T0.05,W200,L300,TRP	1	SNA	
..3	EC03	BN39-02189A	GENDER CABLE;DC to RCA Cable,3P,L100,UL2	1	SA	
..3	EC03	BN39-02190A	GENDER CABLE;DC to RCA Cable,2P,L100,UL2	1	SA	
..3		BN59-01259B	REMOCON-TV;2016 TV,Samsung,13KEY,3V,Euro	1	SA	
..3	T0527	BN68-00513A	LABEL-E PASS;ALL MODEL,WW,YUPO,W50,L15,W	2	SNA	
..3		BN96-40152A	ASSY HOLDER P-CABLE;65KS7500,ABS,BK0007,	1	SNA	
...4		BN61-04692A	ADHESIVE-AA;SHEET,CLEAR,C043	0	SNA	
...4		BN61-05704A	TAPE-DOUBLE FACE;T1.1,W8,Dark Gray,3M #4	0	SNA	
...4	AH089	BN61-13777A	HOLDER-CABLE;55KS7500,ABS,T15,BK0007,HB,	1	SNA	
...4	AS080	BN63-07556W	SHEET-PROTECTION COVER;F-LED,PO,W12,ROLL	0	SNA	
..3	EH03A	BN96-40460A	ASSY HOLDER P-RING;55KS7500,ABS,BLACK,V-	1	SNA	
...4		6902-001404	BAG PE;LDPE,T0.05,W80,L100,TRP,N	1	SNA	
...4		BN61-13518A	HOLDER-WALL RING;55KS7500,ABS,MOLD,BK000	4	SA	
1		BN92-19928A	ASSY P/MATERIAL;LEDTV 6K	1	SNA	
0.2		6902-001956	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	AS080	BN63-07229A	SHEET-PROTECTION COVER;rose70",PET,T0.05	1	SNA	
0.2		BN68-02422B	LABEL-WARNING;ALL,ART,T0.05,W240,L100,Wh	1	SNA	
0.2		BN69-03982N	PACKING ANGLE;EDGE,PAPER	1	SNA	
0.2		BN69-05418N	WRAP;T0.017,750,2000000,2000000,750	12	SNA	
0.2		BN69-06640A	PAD-DP SHEET;PAD,CB,SW4,,W1120,L950,,,,,	1	SNA	
0.2		BN69-06640E	PAD-PACKING;TRUCK PAD,CB,-,,W410,L2500,,	1	SNA	

ANNEX. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
0.2		BN69-13147X	PALLET-WOODEN;40" K6300,WOOD,-,W1200,L10	1	SNA	
0.2		BN69-13233A	CUSHION-SET;40K6200,EPS,16.7g/l,WHT,QUAD	1	SNA	
..3		0103-005099	RESIN EPS;BASF303,Natural,Natural	442	SNA	
1		BN92-19962B	ASSY LABEL POP;LEDTV 6K	1	SNA	
0.2		BN68-07971C	LABEL POP-HIGHLIGHT;K6300,PET,T0.1,W90,L	1	SNA	
1		BN95-02615A	PRODUCT LCD-SDC;CY-VK040BGLV1V/H,K6300,B	1	SA	
0.2	SCREW	6001-003075	SCREW-MACHINE;BH,+,M3,L4,ZPC(WHT),SWRCH1	4	SA	
0.2		BN68-05722A	LABEL-E PASS;POLYPROPYLENE,NON-COATING	1	SNA	
0.2		BN74-00053E	TAPE-PAPER;PAPER,3M2307,0.14T,W20,50m,WH	0	SNA	
0.2		BN90-08209A	ASSY MISC-BLU;Y16,LCM	1	SNA	
..3		BN61-13749A	OPTICAL SHEET-COMPLEX;16Y_K5500_40INCH_C	1	SNA	
..3		BN61-13750A	LGP;16Y_K5500_40INCH_LGP,PMMA,Left LED,2	1	SNA	
..3		BN61-13751A	OPTICAL SHEET-REFLECTOR;16Y_K5500_40INCH	1	SNA	
..3		BN61-13966A	OPTICAL SHEET-DIFFUSER;16Y_K5500_40INCH_	1	SNA	
..3		BN96-39504A	ASSY LED BAR P;40 K6200(SDC),ALUMINUM,70	1	SNA	
..3		BN96-39689A	ASSY CHASSIS REAR P;40K6200,EGI SECC AG+	1	SNA	
...4		BN02-00102B	TAPE-FILAMENT;#8917,0.15,25,50,WHITE	0	SNA	
...4		BN02-00352E	TAPE-OPP;PET,T0.05,W15,L50M,BLK,ULNO.E16	0	SNA	
...4		BN02-00506A	TAPE THERMAL;40K6200,ACRYL,T0.2,W19.2,L4	1	SNA	
...4		BN39-02182A	LEAD CONNECTOR-BLU;43 K5500,UL21016,12P,	1	SNA	
...4		BN60-01462A	SPACER-SILICONE;55K6200,Si,L6,BLACK,T3.5	2	SNA	
...4		BN61-08235A	HOLDER-LGP;SNB,SWRCH10A,BLACK,PRESS	1	SNA	
...4		BN61-13459A	FRAME-MIDDLE TOP LEFT;49K6200,TPV,HB,BK0	1	SNA	
...4		BN61-13460A	FRAME-MIDDLE TOP RIGHT;49K6200,TPV,HB,BK	1	SNA	
...4		BN61-13461A	FRAME-MIDDLE BOTTOM LEFT;49K6200,TPV,HB,	1	SNA	
...4		BN61-13462A	FRAME-MIDDLE BOTTOM RIGHT;49K6200,TPV,HB	1	SNA	
...4		BN61-13557A	BRACKET-WIRE;KS7000,SW-C,1,60,SILVER	3	SA	
...4		BN61-13557D	BRACKET-WIRE;KS7000,SW-C,1,390,SILVER,ZI	4	SA	
...4		BN63-15531A	INSULATOR-SMPS;40K5500,PC,BLACK,L169.9,W	1	SNA	
...4		BN63-15793A	INSULATOR-SOURCE PCB;40K6200,PET,BLACK,L	1	SNA	
...4		BN63-15793B	INSULATOR-SOURCE PCB;40K6200,PET,BLACK,L	1	SNA	
...4	CC04	BN64-03413A	CHASSIS-REAR;40K6200,EGI-SECC,PRESS,T0.8	1	SNA	
....5	CB20	BN61-11982B	BRACKET-WALL;55KS7000,CR-SPCC,T1.2,L15.5	4	SNA	
...4	T0527	BN68-00513A	LABEL-E PASS;ALL MODEL,VW,YUPO,W50,L15,W	1	SNA	
..3		BN96-40894A	ASSY FRAME P-MIDDLE LEFT;40K6200,STS304,	1	SNA	
...4		BN60-01428A	SPACER-PET;40K6200,PET,L507.65,GRAY,T0.0	2	SNA	
...4		BN61-14145A	FRAME-MIDDLE LEFT;40K6200,STS304,PRESS,N	1	SNA	
0.2	TCON	BN95-02675A	ASSY T CON;K6300 40inch,Hawk-FTs	1	SA	
..3		BN02-00417A	TAPE THERMAL;Hawk-FTs,PET,W65,L120,BLACK	1	SNA	
..3		BN97-10797A	ASSY SMD;K6500,Hawk-FTs SDC MJC Curved 4	1	SNA	
...4		0202-001608	SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0.	0	SNA	
...4		0202-001899	SOLDER-CREAM;M705-GRN360-K2-VT,20-38um,S	3	SNA	
...4		0403-000489	DIODE-ZENER;MMSZ5228B,3.705~4.095V,500mW	6	SA	
...4		0403-001831	DIODE-ZENER;KDZ12B,12~13.5V,1000mW,SOD-1	1	SA	
...4		0403-002014	DIODE-ZENER;KDZ16B,16.2~18.3V,1000mW,SOD	2	SNA	
...4		0404-001640	DIODE-SCHOTTKY;SS1060HEWS,60V,1000mA,S OD	1	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...4		0404-001643	DIODE-SCHOTTKY;B360A,60V,3000mA,SMA,TP	1	SA	
...4		0406-001689	DIODE-TVS;SMH14A,15.6V,17.9V,1MAV,40A,TP	1	SA	
...4		0406-001712	DIODE-TVS;P4SMAJ30A,33.3V,36.8V,1MAV,40A	1	SNA	
...4		0406-001745	DIODE-TVS;P4SMAFJ18A-HAF,20V,21.5V,23.3V	1	SNA	
...4		0505-002660	FET-SILICON;Si2308BDS,N,60V,2.3A,0.156oh	1	SNA	
...4		0505-003224	FET-SILICON;AO6405,P,30V,-5A,0.052ohm,2W	1	SA	
...4	EL02	0601-002037	LED;SMD(TOP VIEW),BLUE,1.6x0.8mm,465/470	2	SA	
...4		0801-002345	IC-CMOS LOGIC;7S04,INVERTER,SOT-353,5P,2	1	SA	
...4		0801-003580	IC-CMOS LOGIC;TC7WB66CFK,SSOP,8P,2.0X2.3	3	SA	
...4		1105-002274	IC-DDR3 SDRAM;K4B1G1646G-BCMA,DDR3 1866,	1	SNA	
...4		1201-002779	IC-OP AMP;IML7814HS-HF,TSSOP,TP,14P,5x4.	1	SA	
...4		1203-006130	IC-POS.FIXED REG.;S-1172B25-U5T1G,SOT-8	1	SA	
...4		1203-007956	IC-DC/DC CONVERTER;RT6917,QFN,48P,6x6x1m	1	SNA	
...4		1203-008102	IC-POS.FIXED REG.;S-13A1D12-E800,HSOP,8	1	SNA	
...4		1203-008104	IC-POS.FIXED REG.;S-13A1D18-E800,HSOP,8	3	SNA	
...4		1203-008258	IC-DC/DC CONVERTER;SY8106RAC,QFN,20,3x3x	1	SA	
...4		1203-008667	IC-DC/DC CONVERTER;RT6936A,WQFN,40,6x6mm	1	SA	
...4		1204-003557	IC-VIDEO PROCESS;SDP1401,PBGAH,553P,23x2	1	SA	
...4		1404-001731	THERMISTOR-NTC;33Kohm,4050K,1mW/C,TP,1.6	1	SNA	
...4		1405-001381	VARISTOR;11V,8VDC,30A,1.6x0.8mm,TP,25V,5	9	SA	
...4		1405-001382	VARISTOR;24.5V,16VDC,120A,2.0x1.25mm,TP,	2	SA	
...4		1405-001391	VARISTOR;32V,5Vdc,5A,2.1x1.25mm,TP,80V,1	6	SA	
...4		2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	5	SA	
...4		2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	3	SA	
...4		2007-000063	R-CHIP;150Kohm,1%,1/10W,TP,1608	1	SA	
...4		2007-000067	R-CHIP;15Kohm,1%,1/10W,TP,1608	2	SNA	
...4		2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	9	SA	
...4		2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	SA	
...4		2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	10	SA	
...4		2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	10	SA	
...4		2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	4	SNA	
...4		2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	60	SNA	
...4		2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	4	SA	
...4		2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SNA	
...4		2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	33	SNA	
...4		2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	6	SNA	
...4		2007-000265	R-CHIP;1.8Kohm,1%,1/10W,TP,1608	1	SA	
...4		2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	SA	
...4		2007-000336	R-CHIP;120Kohm,1%,1/10W,TP,1608	1	SA	
...4		2007-000455	R-CHIP;18Kohm,1%,1/10W,TP,1608	1	SA	
...4		2007-000516	R-CHIP;2.7Kohm,1%,1/10W,TP,1608	1	SNA	
...4		2007-000536	R-CHIP;200ohm,1%,1/10W,TP,1608	1	SA	
...4		2007-000614	R-CHIP;24Kohm,1%,1/10W,TP,1608	1	SNA	
...4		2007-000857	R-CHIP;4.3Kohm,1%,1/10W,TP,1608	1	SNA	
...4		2007-000869	R-CHIP;4.7Kohm,1%,1/10W,TP,1608	3	SA	
...4		2007-000903	R-CHIP;430ohm,1%,1/10W,TP,1608	2	SNA	
...4		2007-000962	R-CHIP;5.1Kohm,1%,1/10W,TP,1608	1	SA	

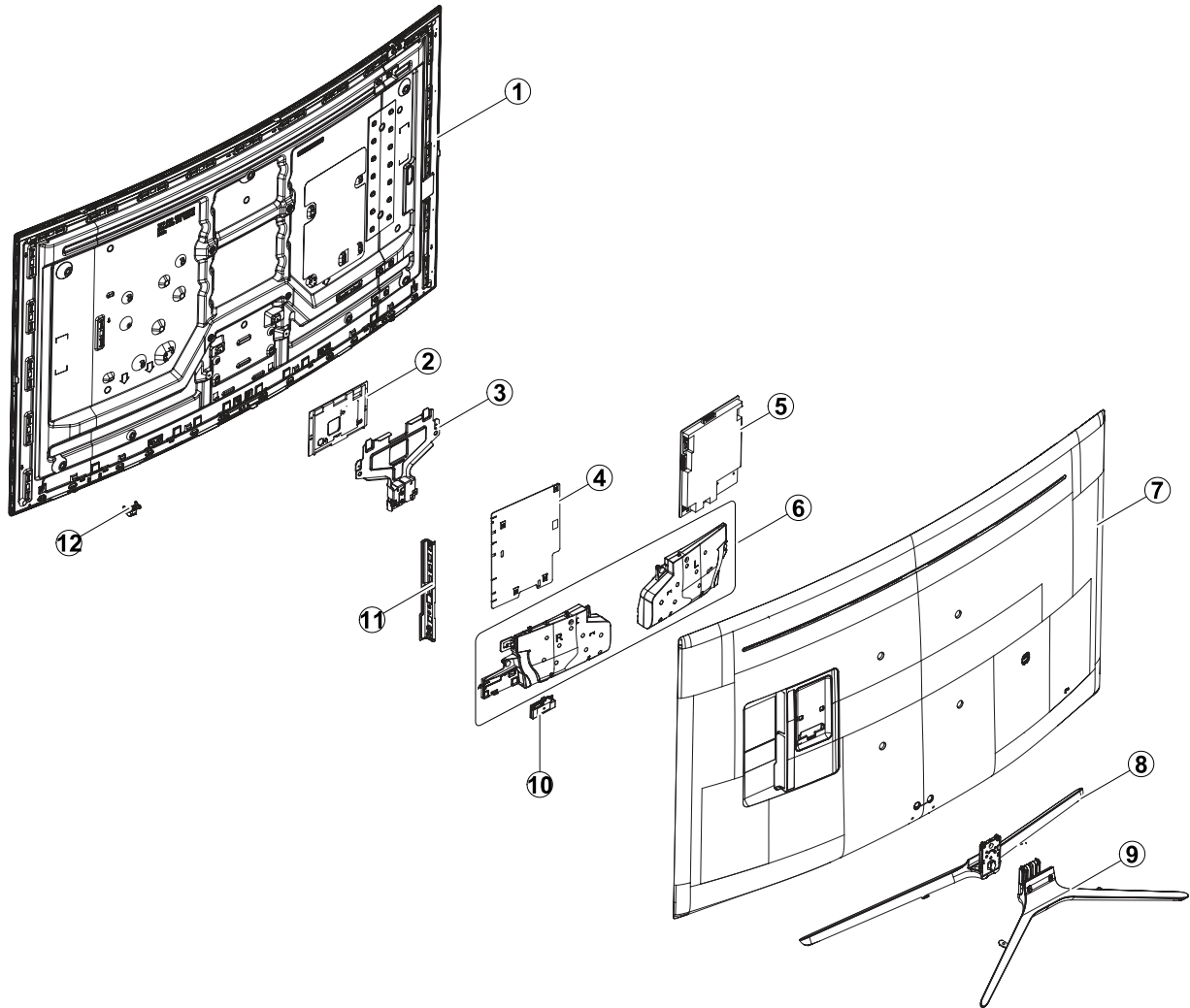
ANNEX. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...4		2007-001125	R-CHIP;68Kohm,1%,1/10W,TP,1608	2	SA	
...4		2007-001206	R-CHIP;82Kohm,1%,1/10W,TP,1608	1	SNA	
...4		2007-001298	R-CHIP;51ohm,5%,1/16W,TP,1005	8	SNA	
...4		2007-001433	R-CHIP;12Kohm,1%,1/10W,TP,1608	3	SA	
...4		2007-002768	R-CHIP;6.2Kohm,1%,1/10W,TP,1608	1	SA	
...4		2007-002899	R-CHIP;10ohm,1%,1/10W,TP,1608	1	SA	
...4		2007-007139	R-CHIP;47Kohm,1%,1/16W,TP,1005,T0.35	7	SA	
...4		2007-007306	R-CHIP;100ohm,1%,1/16W,TP,1005	20	SNA	
...4		2007-007309	R-CHIP;12Kohm,1%,1/16W,TP,1005,T0.35	3	SA	
...4		2007-007431	R-CHIP;91Kohm,1%,1/10W,TP,1608	2	SA	
...4		2007-007766	R-CHIP;2Kohm,1%,1/16W,TP,1005	10	SNA	
...4		2007-008213	R-CHIP;4.3Kohm,1%,1/16W,TP,1005	5	SNA	
...4		2007-008596	R-CHIP;0.1ohm,1%,1/4W,TP,3216	2	SC	
...4		2011-001264	R-NETWORK;10ohm,5%,1/16W,L,CHIP,8P,TP,2.	4	SNA	
...4	AD480	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608	1	SA	
...4	AD480	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
...4	AD480	2203-000425	C-CER,CHIP;0.018nF,5%,50V,C0G,TP,1005	2	SA	
...4	AD480	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,TP,1005	16	SA	
...4	AD480	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	1	SNA	
...4	AD480	2203-002711	C-CER,CHIP;100nF,10%,25V,X7R,TP,1608	3	SA	
...4	AD480	2203-005138	C-CER,CHIP;1.8nF,10%,50V,X7R,TP,1005	3	SA	
...4	AD480	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608	6	SNA	
...4	AD480	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005,0.5T	3	SNA	
...4	AD480	2203-006158	C-CER,CHIP;100nF,10%,16V,X7R,TP,1005,T0.	203	SNA	
...4	AD480	2203-006307	C-CER,CHIP;1000nF,10%,25V,X5R,TP,2012	3	SNA	
...4	AD480	2203-006324	C-CER,CHIP;2200nF,10%,10V,X5R,TP,1608	2	SA	
...4	AD480	2203-006348	C-CER,CHIP;1000nF,10%,25V,X5R,TP,1608,0.	4	SA	
...4	AD480	2203-006399	C-CER,CHIP;1000nF,10%,6.3V,X5R,TP,1005	1	SA	
...4	AD480	2203-006562	C-CER,CHIP;1000nF,10%,10V,X5R,TP,1005	24	SNA	
...4	AD480	2203-006698	C-CER,CHIP;1000nF,10%,25V,X7R,TP,1608,0.	2	SNA	
...4	AD480	2203-006824	C-CER,CHIP;4700nF,10%,10V,X5R,TP,1608	5	SNA	
...4	AD480	2203-006841	C-CER,CHIP;1000nF,10%,16V,X5R,TP,1005	1	SNA	
...4	AD480	2203-006890	C-CER,CHIP;10000nF,20%,6.3V,X5R,TP,1608	56	SNA	
...4	AD480	2203-007176	C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012,1	9	SNA	
...4	AD480	2203-007240	C-CER,CHIP;22000nF,20%,6.3V,X5R,TP,1608(68	SA	
...4	AD480	2203-007270	C-CER,CHIP;10000nF,10%,10V,X5R,TP,1608,0	22	SNA	
...4	AD480	2203-007306	C-CER,CHIP;10000nF,10%,25V,X5R,TP,2012,1	36	SNA	
...4	AD480	2203-007544	C-CER,CHIP;100nF,10%,50V,X7R,TP,1005,0.5	18	SA	
...4	AD480	2203-008315	C-CER,CHIP;22000nF,20%,25V,X5R,TP,2012,T	31	SA	
...4		2703-003713	INDUCTOR-SMD;1.5uH,20%,7366,0.015Ohm,700	2	SA	
...4		2703-003747	INDUCTOR-SMD;22uH,20%,6060,0.135ohm,1300	3	SA	
...4		2703-003862	INDUCTOR-SMD;10uH,20%,6060,0.065ohm,1900	1	SA	
...4		2703-003913	INDUCTOR-SMD;2.2uH,20%,2520,1.2T,0.116Oh	1	SNA	
...4		2703-004199	INDUCTOR-SMD;10uH,20%,6.6x7.0mm,2.2mm,0.	1	SNA	
...4		2801-005324	CRYSTAL-SMD;27MHz,30ppm,Ceramic SMD(4pin	1	SA	
...4		2901-001362	FILTER-EMI/ESD;5.5V,0A,50pF,2.05x1.25x0.	3	SNA	
...4		3301-002039	BEAD-SMD;26ohm,1608,TP	56	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...4		3601-001374	FUSE-SURFACE MOUNT;32V,5A,FAST-ACTING,PL	4	SA	
...4		3601-001376	FUSE-SURFACE MOUNT;32V,3A,FAST-ACTING,Hi	1	SNA	
...4		3708-003073	CONNECTOR-FPC/FFC/PIC;51P,0.5mm,SMD-A,AU	2	SA	
...4		3708-003176	CONNECTOR-FPC/FFC/PIC;68P,0.5mm,SMD-A,AU	2	SA	
...4	EH01	3711-008098	HEADER-BOARD TO CABLE;BOX,20P,1R,1.25mm,	1	SNA	
...4		BN41-02481A	PCB-MAIN;2016Y FHD SDC MJC,FR-4,4L,1.2T,	1	SNA	
...4		BN97-11032A	ASSY MICOM;1107-002224,K6300_40,HAWK_FTS	1	SNA	
...5		1107-002224	IC-FLASH MEM. MODULE;W25X40CLSSIG,4Mbit,	1	SNA	
..3	M0131	MD63-00103A	GASKET-TAPE;GRANDSLAM,Conductive Fabric,	3	SNA	
0.2		BN96-39213A	ASSY OPEN CELL;LSF400HN02-L,16:9,0.4T	1	SNA	
..3		BN81-07437A	A/S-ADHESIVE ACF;LSJ400HL02-E,ADHESIVE A	1	SNA	
..3		BN81-07943A	A/S-ADHESIVE ACF;LSF320AN01-A,0201-00237	1	SNA	
..3		BN81-09610A	A/S-POLARIZER TFT;LSF400HM03-G,LJ01-0964	1	SNA	
..3		BN81-09611A	A/S-POLARIZER CF;LSF400HM03-G,LJ01-09715	1	SNA	
..3		BN81-13073A	A/S-IC DRIVER SOURCE;IC DRIVER SOURCE,LJ	1	SNA	
..3		BN81-13077A	A/S-SOURCE PCB LEFT;SOURCE PCB LEFT,LJ94	1	SNA	
..3		BN81-13078A	A/S-SOURCE PCB RIGHT;SOURCE PCB RIGHT,LJ	1	SNA	
0.2		BN96-39768F	ASSY CHASSIS FRONT P;40K6200,PC+ABS+ED18	1	SNA	
..3		BN60-01441A	SPACER-CONDUCTIVE;40K6300,CONDUCTIVE FAB	2	SNA	
..3		BN60-01441B	SPACER-CONDUCTIVE;40K6300,CONDUCTIVE FAB	2	SNA	
..3		BN63-10118A	GASKET-TAPE;60 FLED,Conductive Fabric,T0	2	SNA	
..3		BN63-11118B	SHEET-PROTECTION COVER;Y13 SNB F8.5K,PET	2	SNA	
..3		BN63-11118F	SHEET-PROTECTION COVER;K6200,PET,T0.04,W	1	SNA	
..3		BN63-12151A	GASKET-EMI;CY-MH270BGLV1V,Conductive Fab	2	SNA	
..3	AC155	BN64-03435A	CHASSIS-FRONT;40K6200,PC+ABS+ED18%,V-1,M	1	SNA	
...4		0103-010808	RESIN PC ABS;NH-1210/K21294,BLACK,BK0007	157	SNA	
...4		BN63-11118B	SHEET-PROTECTION COVER;Y13 SNB F8.5K,PET	2	SNA	
...4		BN63-11118F	SHEET-PROTECTION COVER;K6200,PET,T0.04,W	1	SNA	
..3		BN74-00053J	TAPE-PAPER;PAPER,3M2307,T0.14,W25,ROLL,W	0	SNA	
0.2		BN96-40424A	FFC CABLE;K6300,Straight,L47,68P,16Y FHD	2	SNA	

ANNEX. Exploded View & Part List [UE55K6372SUXXH FA01]

1-1. Exploded View



1-1-1. Parts List

No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
1	BN95-02625A	PRODUCT LCD-SDC; CY-VK055BGLV1V/H,K6300,B	1	SA	
2	BN95-02677A	ASSY T CON; K6300 55inch,Hawk-FTs	1	SA	
3	BN61-13287A	BRACKET-STAND LINK; 40K5500,EGI-SECC,T1.6	1	SNA	
4	BN94-10794D	ASSY PCB MAIN; LEDTV 6K	1	SA	
5	BN44-00872A	DC VSS-PD BOARD; L55E1_KDY,AC/DC,105W,100	1	SA	
6	BN96-39974B	ASSY SPEAKER P-FRONT; TV-SPK,K6200,6ohm,1	1	SA	
7	BN96-39744D	ASSY COVER P-REAR; 55K6200,PC+ABS+ED20%,	1	SA	
8	BN96-40078A	ASSY STAND P-FRONT; 49K5500,PC+ABS,BK0008	1	SA	
9	BN96-40080A	ASSY STAND P-REAR; 49K5500,PC+ABS,BK0008	1	SA	
10	BN59-01240A	NETWORK-WLAN CLIENT; WCK720Q,USB 2.0,16P,	1	SA	
11	BN63-15299A	COVER-TERMINAL SIDE; 40K5500,HIPS,MOLD,HB	1	SA	
12	BN96-39802B	ASSY BOARD P-FUNCTION TACT; K6200/K5500/K	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
			UE55K6372SUXXH (FA01)			
1	R001A	BN90-07993D	ASSY COVER REAR;LEDTV 6K	1	SNA	
0.2	R001A	BN96-39744D	ASSY COVER P-REAR;55K6200,PC+ABS+ED20%,V	1	SA	
..3	CCM1	BN63-02183D	SHEET-PROTECTION COVER;Rhcm,PE,T0.04,W68	1	SNA	
..3		BN63-07556G	SHEET-COVER;TOC,PO,T0.068,W70mm,100M,ST-	4	SNA	
..3	AC220	BN63-15198A	COVER-CAP;55KS7500,ABS+PMMA,T0.1,HB,BK00	4	SNA	
..3	R001	BN63-15261B	COVER-REAR;55K6200,PC+ABS+ED20%,MOLD, V-1	1	SNA	
...4		0103-010837	RESIN PC ABS;CM20G/BK90080,Dark Gray,GY0	3400	SNA	
..3	AC220	BN63-15933A	COVER-CAP;49K6200,PC+ABS+ED20%,MOLD,V-1,	2	SNA	
..3		BN64-03519D	INLAY-TERMINAL SIDE;49K6200,PET,T0.125,W	1	SNA	
..3		BN68-03518H	LABEL-STICKER CI SLOT;WW,ALL,PET,T0.1,W1	1	SNA	
..3		BN68-07835C	LABEL-STICKER LICENSE;40K5500,PET,0.125,	1	SNA	
1		BN90-08023C	ASSY W/I;LEDTV 6K	1	SNA	
0.2		BN81-08159Z	A/S PART SET-ELEC W/I;LED TV ELEC spec-C	1	SNA	
0.2		BN81-12851A	A/S PART SET-MECH W/I;UK6300E,U55KM*	1	SNA	
1	S001A	BN90-08054C	ASSY STAND;LEDTV 6K	1	SNA	
0.2		BN96-40078A	ASSY STAND P-FRONT;49K5500,PC+ABS,BK0008	1	SA	
..3		6001-003168	SCREW-MACHINE;CH,+,M3,L5,ZPC(BLK),SWRCH1	2	SNA	
..3	SCREW	6003-001845	SCREW-TAPTYPE;FH,+,B,M4,L6,ZPC(BLK),SWRC	2	SNA	
..3		6902-002660	BAG PE;HDPE/PE FOAM,T0.015/T0.5,W120,L20	1	SNA	
..3		BN60-00162E	SPACER-FOAM;PE FOAM,ROLL,GRAY,T0.5,W20	1	SNA	
..3		BN61-04692A	ADHESIVE-AA;SHEET,CLEAR,C043	0	SNA	
..3		BN61-13416A	BRACKET-STAND BOTTOM FRONT;49K5500,SM45C	1	SNA	
..3		BN61-13421A	BRACKET-STAND NECK FRONT;40K5500,HGI,T4,	1	SNA	
...4		BN61-13531A	STUD-PEM;40K5500,SUM24L,NATURAL	1	SNA	
..3		BN61-13427A	GUIDE-STAND FRONT;40K5500,PC+GF20%,V-2,G	1	SNA	
..3	RF01	BN61-13520D	FOOT-RUBBER;40K5500,RUBBER,GRAY,T3,W5 L1	2	SNA	
..3		BN61-14106A	BRACKET-STAND LINK FRONT;49K5500,EGI-SEC	1	SNA	
..3		BN63-15242A	COVER-STAND BOTTOM FRONT;49K5500,PC+ABS,	1	SNA	
...4		0103-010892	RESIN PC ABS;NH-1017SG/G33438,Blue Gray,	151	SNA	
..3		BN63-15764A	SHEET-PU FOAM;40K5500,PU FOAM,T0.5,W57.0	1	SNA	
..3		BN95-02804A	ASSY COVER STAND SMT-FRONT TOP;K6200,49,	1	SNA	
...4		AA69-07580B	PAD-DP SHEET;CB,SW,W795,L490,0	1	SNA	
...4		BN01-00337A	TARGET-ALUMINIUM CY;AI,99.9%,1924mm, 132	0	SNA	
...4		BN63-15239A	COVER-STAND TOP FRONT;49K5500,PC+ABS,MOL	1	SNA	
....5		BN63-11118F	SHEET-PROTECTION COVER;K6200,PET,T0.04,W	1	SNA	
...4		BN69-10617S	PACKING SHEET;48" 6500 INHOUSE,HDPE/PE F	1	SNA	
...4		BN69-13591V	PAD-DP CROSS;49K5500,CB,DW,W802,L135,YEL	1	SNA	
...4		BN69-13591W	PAD-DP CROSS;49K5500,CB,DW,W494,L135,YEL	1	SNA	
...4		BN69-13724S	MASTER BOX-DP;49K5500,CB,DW1,A1,L805,W50	1	SNA	
0.2		BN96-40080A	ASSY STAND P-REAR;49K5500,PC+ABS,BK0008	1	SA	
..3	SCREW	6003-001238	SCREW-TAPTYPE;FH,+,S,M4,L8,ZPC(BLK),SWRC	2	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
..3	SCREW	6003-001334	SCREW-TAPTYPE;BH,+,S,M4,L14,ZPC(BLK),SWR	4	SA	
..3		6021-000265	NUT-HEXAGON;2C,M4,ZPC(YEL),SM20C	4	SNA	
..3		6902-002661	BAG PE;HDPE/PE FOAM,T0.015/T0.5,W140,L20	1	SNA	
..3		BN60-00162G	SPACER-FOAM;PE FOAM,ROLL,GRAY,T0.5,W30	0	SNA	
..3		BN61-06871A	BOSS-BOND;UC9000,Dimethacrylate ester,Re	0	SNA	
..3		BN61-13419A	BRACKET-STAND BOTTOM REAR;K5500 49" 55",	1	SNA	
..3		BN61-13424A	BRACKET-STAND NECK REAR;K5500 40" 43",HG	1	SNA	
..3		BN61-13430A	GUIDE-STAND REAR;40K5500,PC+GF20%,V-2,GY	1	SNA	
...4		0103-010578	RESIN PC;HF-3200H/G33168,Gray,GY0296,1.5	45	SNA	
..3	RF01	BN61-13520B	FOOT-RUBBER;40K5500,Si,GRAY,T3,W5 L5	2	SNA	
..3		BN63-11118E	SHEET-PROTECTION COVER;STANDARD ENCLOSUR	2	SNA	
..3		BN63-15248A	COVER-STAND BOTTOM REAR;49K5500,PC+ABS,M	1	SNA	
..3		BN63-15764B	SHEET-PU FOAM;55K5500,PU FOAM,T0.3,W57,L	1	SNA	
..3		BN68-05603A	LABEL-E PASS;ART PAPER 90G,W/W	3	SNA	
..3		BN95-02806A	ASSY COVER STAND SMT-REAR TOP;K6200,49,S	1	SNA	
...4		0203-001269	TAPE-OPP;#301,T0.06,W75,L50000,NTR	0	SNA	
...4		0204-007315	COATING;CVM92000(VOC),CLEAR,1.06	0	SNA	
...4		AA69-04045N	PAD-DP SHEET;CB,SW,610,520	1	SNA	
...4		BN01-00340A	TARGET-CHROMIUM CY;Cr,99.5%,1924mm, 132d	0	SNA	
...4		BN63-11118P	SHEET-PROTECTION COVER;55K6200,PET,T0.04	0	SNA	
...4		BN63-15245A	COVER-STAND TOP REAR;49K5500,PC+ABS,MOLD	1	SNA	
...5		0103-005041	RESIN PC ABS;FR3200TV,901408,BK0008,1.2m	72	SNA	
...5		BN63-11118P	SHEET-PROTECTION COVER;55K6200,PET,T0.04	0	SNA	
...4		BN68-03920A	LABEL BOX;ALL,ART,100g,W100,L75,W/W	2	SNA	
...4		BN69-10617B	PACKING SHEET;32" UH6300,HDPE/PE FOAM,PE	1	SNA	
...4		BN69-13591P	PAD-DP CROSS;49K5500,CB,DW,W608,L180,YEL	1	SNA	
...4		BN69-13591Q	PAD-DP CROSS;49K5500,CB,DW,W522,L180,YEL	1	SNA	
...4		BN69-13724P	MASTER BOX-DP;49K5500,CB,DW1,A1,L615,W52	1	SNA	
..3		BN96-35528C	ASSY ACCESSORY-SCREW;40K5500,W/W,M4,L25,	1	SNA	
...4		6001-003072	SCREW-MACHINE;BH,+,WS,M4,L25,NI PLT,SWRC	4	SA	
1	M0017	BN91-17271G	ASSY CHASSIS;LEDTV 6K	1	SNA	
0.2	M0014	BN94-10794D	ASSY PCB MAIN;LEDTV 6K	1	SA	
..3	AH020	BN62-00821A	HEAT SINK;49K6200,A1050,6.3T,W127.6,L94.	1	SNA	
..3		BN63-15299A	COVER-TERMINAL SIDE;40K5500,HIPS,MOLD,HB	1	SA	
..3		BN97-09470B	ASSY DRM;MAC, MIRACAST HDCP	1	SNA	
...4		BN46-00109H	KEY CODE-CERTIFICATION;MAC,TV/AV,General	1	SNA	
...4		BN46-00110P	KEY CODE-CERTIFICATION;MIRACAST(HDCP2.2)	1	SNA	
...4		BN46-00115P	KEY CODE-CERTIFICATION;CI+, TV, HAWK, EU	1	SNA	
..3		BN97-10642C	ASSY SMD;LED TV 6K	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		0403-001783	DIODE-ZENER;BZB84-C6V2,5.8~6.6V,300mW,SO	3	SNA	
...4		0404-001404	DIODE-SCHOTTKY;BAT721C,40V,200mA,SOT-23,	4	SA	
...4		0404-001881	DIODE-SCHOTTKY;SS3040-HE,40V,3000mA,SOD-	3	SA	
...4		0406-001200	DIODE-TVS;RClamp0504F,6V,1MAV,TP	2	SA	

ANNEX. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...4		0406-001290	DIODE-TVS;3.0SMCJ20A,22.2V,24.5V,5MAV,30	1	SNA	
...4		0406-001628	DIODE-TVS;AOZ8804ADI,6V,1MAV,5A,TP	1	SA	
...4		0406-001635	DIODE-TVS;SMF5.0A,6.4V,6.7V,7V,200MAV,20	7	SA	
...4		0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	3	SC	
...4		0504-000126	TR-DIGITAL;KSR1101,NPN,200mW,4.7K/4.7K,S	1	SA	
...4		0505-002560	FET-SILICON;AO6415,P,20V,-3.3A,0.15ohm,1	1	SA	
...4		0505-002598	FET-SILICON;AP2317GN,P,20V,-4.2A,0.052oh	1	SA	
...4		0505-002893	FET-SILICON;AO4801AS,P,30V,-5A,2W,SOIC-8	1	SA	
...4		0505-003397	FET-SILICON;2N7002K,N,60V,0.38A,1.19ohm,	2	SA	
...4		0505-003507	FET-SILICON;AO3424,N,30V,3.8A,1.4W,SOT-2	4	SA	
...4		0801-002780	IC-CMOS LOGIC;74LVC1G17,SCHMITT-TRIGGER	1	SA	
...4		0801-003330	IC-CMOS LOGIC;Octal buffer,DQFN,20P,4.5x	1	SA	
...4		1001-001545	IC-ANALOG MULTIPLEX;TS3USB221ERSER,R-PQF	1	SA	
...4		1103-001600	IC-EEPROM;24C512C,512k,SOIC,8P,6.20mmX5.	1	SA	
...4		1105-002681	IC-DDR3 SDRAM;H5TQ4G63CFR,DDR3 1866,4Gbi	3	SNA	
...4		1201-003690	IC-AUDIO AMP;TAS5747PHPR,QFP,48P,DUAL,PL	1	SA	
...4		1203-004364	IC-VOL. DETECTOR;RT9818C-42PV,SOT-23,3P,	1	SA	
...4		1203-007018	IC-DC/DC CONVERTER;TPS54821RHL,QFN,14,3.	1	SA	
...4		1203-007238	IC-PWM CONTROLLER;TPS54427,DDA,8P,4.8x3.	1	SNA	
...4		1203-007700	IC-DC/DC CONVERTER;TPS54527DDAR,DDA,8P,5	1	SA	
...4		1203-008105	IC-POS.FIXED REG.;S-13A1D33-E800,HSOP,8	1	SNA	
...4		1203-008112	IC-POS.ADJUST REG.;AOZ2002PI,SO-8,8,4.9	1	SA	
...4		1203-008118	IC-DC/DC CONVERTER;AOZ3013PI,SO-8,8,4.96	2	SA	
...4		1203-008183	IC-DC/DC CONVERTER;AOZ3015PI-1,EPAD SO-8	1	SA	
...4		1203-008392	IC-VOL. DETECTOR;S-6414AAB-L800X,TSOT-23	1	SA	
...4		1203-008393	IC-DDR TERMINATION REG.;AP2303MTR-G1-89,	1	SA	
...4		1203-008448	IC-DC/DC CONVERTER;A8305SESTR-T,QFN,16,3	1	SNA	
...4		1203-008454	IC-DC/DC CONVERTER;TPS56528,HSOP8,8,4,89	1	SA	
...4		1204-003586	IC-DECODER;SDP1415,PBGA,631P,23x23mm,PLA	1	SA	
...4		1205-004447	IC-SWITCH;TPS2051CDBVR,SOT23-5,5P,3x1.65	1	SA	
...4		1205-004983	IC-SWITCH;BD82032FVJ,TSSOP-B8J,8P,3.0x4.	2	SA	
...4		1205-005537	IC-REPEATER;TCA9517,VSSOP,8P,3.00x3.00mm	3	SA	
...4		1405-001271	VARISTOR;35V,20Vdc,5A,1.0x0.5mm,TP,100V,	15	SA	
...4		2007-000137	R-CHIP;2Kohm,5%,1/16W,TP,1005	16	SNA	
...4		2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	21	SNA	
...4		2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SNA	
...4		2007-000174	R-CHIP;47ohm,5%,1/16W,TP,1005	26	SNA	
...4		2007-000932	R-CHIP;470ohm,5%,1/16W,TP,1005	3	SNA	
...4		2007-001116	R-CHIP;680ohm,1%,1/10W,TP,1608	1	SA	
...4		2007-001288	R-CHIP;18ohm,5%,1/16W,TP,1005	4	SA	
...4		2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	10	SNA	
...4		2007-007107	R-CHIP;100Kohm,1%,1/16W,TP,1005	14	SNA	
...4		2007-007132	R-CHIP;15Kohm,1%,1/16W,TP,1005	3	SA	
...4		2007-007133	R-CHIP;300ohm,1%,1/16W,TP,1005	1	SA	
...4		2007-007134	R-CHIP;39Kohm,1%,1/16W,TP,1005	2	SA	
...4		2007-007135	R-CHIP;18Kohm,1%,1/16W,TP,1005	2	SNA	
...4		2007-007136	R-CHIP;4.7Kohm,1%,1/16W,TP,1005	2	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...4		2007-007137	R-CHIP;1.2Kohm,1%,1/16W,TP,1005	4	SA	
...4		2007-007138	R-CHIP;27Kohm,1%,1/16W,TP,1005	3	SNA	
...4		2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	25	SNA	
...4		2007-007306	R-CHIP;100ohm,1%,1/16W,TP,1005	20	SNA	
...4		2007-007307	R-CHIP;150ohm,1%,1/16W,TP,1005	1	SNA	
...4		2007-007311	R-CHIP;22Kohm,1%,1/16W,TP,1005	6	SA	
...4		2007-007312	R-CHIP;20Kohm,1%,1/16W,TP,1005	2	SA	
...4		2007-007313	R-CHIP;6.8Kohm,1%,1/16W,TP,1005	2	SA	
...4		2007-007317	R-CHIP;2.2Kohm,1%,1/16W,TP,1005	1	SA	
...4		2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	22	SNA	
...4		2007-007470	R-CHIP;7.5Kohm,1%,1/16W,TP,1005	1	SNA	
...4		2007-007488	R-CHIP;75Kohm,1%,1/16W,TP,1005	1	SNA	
...4		2007-007528	R-CHIP;1.5Kohm,1%,1/16W,TP,1005	1	SA	
...4		2007-007587	R-CHIP;3.6Kohm,1%,1/16W,TP,1005	1	SNA	
...4		2007-007767	R-CHIP;200ohm,1%,1/16W,TP,1005	7	SA	
...4		2007-007861	R-CHIP;62Kohm,1%,1/16W,TP,1005	1	SA	
...4		2007-007942	R-CHIP;1Mohm,1%,1/16W,TP,1005	1	SNA	
...4		2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	14	SNA	
...4		2007-008263	R-CHIP;3Kohm,1%,1/16W,TP,1005	1	SA	
...4		2007-008275	R-CHIP;30Kohm,1%,1/16W,TP,1005	3	SNA	
...4		2007-008298	R-CHIP;49.9ohm,1%,1/16W,TP,1005	4	SA	
...4		2007-008429	R-CHIP;499ohm,1%,1/16W,TP,1005	1	SNA	
...4		2007-008485	R-CHIP;22ohm,1%,1/16W,TP,1005	10	SC	
...4		2007-008779	R-CHIP;0ohm,1%,1/16W,TP,1005	4	SA	
...4		2007-009117	R-CHIP;49.9Kohm,1%,1/16W,TP,1005	1	SA	
...4		2007-009777	R-CHIP;4.99Kohm,1%,1/16W,TP,1005	1	SA	
...4		2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,2.	8	SA	
...4		2011-001344	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,2	4	SA	
...4		2011-001345	R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,2	1	SA	
...4		2011-001449	R-NETWORK;22ohm,5%,1/16W,L,4P,TP,1.0x1.0	4	SA	
...4		2011-001497	R-NETWORK;470ohm,5%,1/16W,L,CHIP,4P,TP,1	1	SNA	
...4		2011-001506	R-NETWORK;10Kohm,5%,1/16W,L,CHIP,4P,TP,1	1	SNA	
...4		2011-001587	R-NETWORK;100ohm,5%,1/16W,L,CHIP,4P,TP,1	2	SNA	
...4	AD480	2203-000233	C-CER,CHIP;0.1nF,5%,50V,C0G,TP,1005	5	SA	
...4	AD480	2203-000278	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,TP,1005	2	SA	
...4	AD480	2203-000359	C-CER,CHIP;0.15nF,5%,50V,C0G,TP,1005,0.5	1	SNA	
...4	AD480	2203-000386	C-CER,CHIP;0.015nF,5%,50V,C0G,TP,1005	2	SA	
...4	AD480	2203-000489	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1005	4	SA	
...4	AD480	2203-000585	C-CER,CHIP;0.22nF,10%,50V,X7R,TP,1005	3	SA	
...4	AD480	2203-000627	C-CER,CHIP;0.022nF,5%,50V,C0G,TP,1005	2	SNA	
...4	AD480	2203-000812	C-CER,CHIP;0.033nF,5%,50V,C0G,TP,1005	5	SA	
...4	AD480	2203-000854	C-CER,CHIP;0.039nF,5%,50V,C0G,TP,1005	1	SA	
...4	AD480	2203-000940	C-CER,CHIP;0.47nF,10%,50V,X7R,TP,1005	2	SA	
...4	AD480	2203-000995	C-CER,CHIP;0.047nF,5%,50V,C0G,TP,1005	1	SA	
...4	AD480	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,TP,1005	10	SNA	
...4	AD480	2203-003019	C-CER,CHIP;8.2nF,10%,50V,X7R,TP,1005	2	SNA	
...4	AD480	2203-005083	C-CER,CHIP;220nF,10%,50V,X7R,TP,1608,0.8	8	SA	

ANNEX. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...4	AD480	2203-005968	C-CER,CHIP;4.7nF,10%,50V,X7R,TP,1005,0.5	4	SNA	
...4	AD480	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,TP,1005	61	SA	
...4	AD480	2203-006126	C-CER,CHIP;47nF,10%,16V,X7R,TP,1005	3	SNA	
...4	AD480	2203-006257	C-CER,CHIP;470nF,10%,6.3V,X5R,TP,1005,0.	1	SNA	
...4	AD480	2203-006348	C-CER,CHIP;1000nF,10%,25V,X5R,TP,1608,0.	4	SA	
...4	AD480	2203-006838	C-CER,CHIP;2200nF,10%,6.3V,X5R,TP,1005	11	SA	
...4	AD480	2203-007240	C-CER,CHIP;22000nF,20%,6.3V,X5R,TP,1608(68	SA	
...4	AD480	2203-007269	C-CER,CHIP;22000nF,20%,10V,X5R,TP,2012(2	14	SA	
...4		2703-000158	INDUCTOR-SMD;1uH,10%,0.4Ohm,50mA,45,Mult	1	SA	
...4		2703-000213	INDUCTOR-SMD;470nH,10%,1.35Ohm,35mA,15,M	1	SA	
...4		2703-000408	INDUCTOR-SMD;3.3uH,20%,0.28Ohm,500mA,10,	1	SA	
...4		2703-001938	INDUCTOR-SMD;56nH,5%,1005,1.5Ohm,200mA,1	1	SA	
...4		2703-003937	INDUCTOR-SMD;1uH,20%,7.0x6.47x3.0mm,0.00	1	SA	
...4		2703-004724	INDUCTOR-SMD;8.2uH,20%,4T,0.072Ohm,2300m	4	SA	
...4		2703-005191	INDUCTOR-SMD;1.5uH,20%,4.5,0.02Ohm,5300m	2	SA	
...4		2703-005192	INDUCTOR-SMD;4.7uH,20%,4.5,0.036Ohm,4200	2	SA	
...4		2703-005194	INDUCTOR-SMD;3.3uH,20%,4.5,0.03Ohm,4500m	1	SA	
...4		2703-005198	INDUCTOR-SMD;15uH,20%,3T,0.123Ohm,2500mA	1	SNA	
...4		2801-004021	CRYSTAL-SMD;24.576MHz,20ppm,28-AAN,12pF,	1	SA	
...4		3301-001364	BEAD-SMD;1000ohm,1608,TP,1085ohm/108MHz,	7	SNA	
...4		3301-002039	BEAD-SMD;26ohm,1608,TP	56	SA	
...4		3407-000183	SWITCH-DIP;50V,100mA,SLIDE,STANDARD	1	SNA	
...4		3701-001967	CONNECTOR-HDMI;19P,A,FEMALE,AU,0.5mm,BLK	3	SA	
...4		3707-001104	CONNECTOR-OPTICAL;ANGLE,SPDIF	1	SA	
...4		3710-003908	CONNECTOR-SOCKET;64P,2R,0.5mm,SMD-S,AU,B	1	SA	
...4		3711-007585	CONNECTOR-HEADER;BOX,4P,1R,2.5mm,ANGLE,S	1	SA	
...4		3711-007776	CONNECTOR-HEADER;BOX,8P,1R,1.25mm,SMD-A,	1	SA	
...4	EH01	3711-008859	HEADER-BOARD TO CABLE;BOX,12P,2R,2mm,ANG	1	SA	
...4		3711-009090	CONNECTOR-HEADER;BOX,16P,1R,1.25mm,SMD-A	1	SA	
...4		3722-003199	JACK-MODULAR;8P/8C,Y,ANGLE,NONE,AU,1PORT	1	SA	
...4		3722-003457	JACK-USB;4P/1C,NI,BLK,ANGLE,A,2.0,13.1x1	2	SA	
...4		3722-003814	JACK-PHONE;1P/7C,NI/SN,YEL,ANGLE,3.5PI,1	1	SA	
...4	JACK	3722-003873	JACK-PHONE;1P/7C,AU/SN,BLU,ANGLE,3.5PI,1	1	SA	
...4		6302-001376	GASKET-SMD;,,CONDUCTIVE FABRIC,T14,W43,L	8	SNA	
...4	ET01	BN40-00318A	TUNER-DTV AIR CABLE SAT;DN2S243H5A,DVB-T	1	SA	
...4		BN41-02534A	PCB-MAIN;K5500/6200/6300,FR-4,4L,1.2T,19	1	SNA	
...4	CB07	BN61-13312B	BRACKET-PCB;55KS8000,SK5,0.3,13.7,11.4,S	4	SNA	
...4		BN97-10911B	ASSY MICOM-MAIN;T-HKMFKDEUC,UWK60,THGBMB	1	SNA	
....5		1107-002341	IC-EMMC;THGBMBG5D1KBAIT,4GB,BGA,153P,11x	1	SA	
...4		BN97-10913B	ASSY MICOM-SUB;HMMICOM_16_FHD,UWK60,GD25	1	SNA	
....5		1107-002467	IC-NOR FLASH;GD25Q41BSIGY,4Mbit,SOP,8P,5	1	SA	
1		BN91-17303C	ASSY SHIELD;LEDTV 6K	1	SNA	
0.2	SCREW	6001-003081	SCREW-MACHINE;PWH,+,M3,L5,ZPC(WHT),SWRCH	5	SA	
0.2		BN02-00102B	TAPE-FILAMENT;#8917,0.15,25,50,WHITE	0	SNA	
0.2		BN39-02217E	LEAD CONNECTOR-POWER;55K6200,UL21016,12P	1	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
0.2		BN39-02219E	LEAD CONNECTOR-SUB ASSY;55K6200,UL21016,	1	SA	
0.2		BN39-02223C	LEAD CONNECTOR-SUB ASSY;55K6200,UL21016,	1	SA	
0.2		BN44-00872A	DC VSS-PD BOARD;L55E1_KDY,AC/DC,105W,100	1	SA	
0.2		BN59-01240A	NETWORK-WLAN CLIENT;WCK720Q,USB 2.0,16P,	1	SA	
0.2	CB18	BN61-13287A	BRACKET-STAND LINK;40K5500,EGI-SECC,T1.6	1	SNA	
..3		BN61-09605A	STUD-PEM;LED TV F6100,SUM24L,L8	4	SNA	
0.2	RB01	BN63-15932A	COVER-BOTTOM;49K6200,PC+ABS+ED20%,MOL D,V	1	SA	
0.2		BN96-39802B	ASSY BOARD P-FUNCTION TACT;K6200/K5500/K	1	SA	
0.2		BN96-39974B	ASSY SPEAKER P-FRONT;TV-SPK,K6200,6ohm,1	1	SA	
0.2		BN96-40209E	FFC CABLE;55K6200,Wrinkle,L500,51P	1	SA	
1		BN92-19840F	ASSY BOX;LEDTV 6K	1	SNA	
0.2		BH68-00662A	LABEL BOX;ALL,ART,90g,W60,L110,WHT,NO SI	1	SNA	
0.2		BN68-05640A	LABEL BOX;ALL,ART,90g,W110,L130,EUROPE,L	1	SNA	
0.2		BN69-13720E	BOX UNIT;55K6300,CB,DW3,F1,L1313,W157,H7	1	SNA	
1		BN92-19868D	ASSY LABEL;LEDTV 6K	1	SNA	
0.2		0203-001598	TAPE-FILAMENT;#8915,0.15,12,55000,CLR	0	SNA	
0.2		BN68-06708G	LABEL-RATING;Monitor,WW,PP,T0.161,W93,L7	1	SNA	
0.2		BN68-07519A	LABEL-ENERGY;ALL JORDAN,WW,PP,T0.135,W60	1	SNA	
0.2		BN68-07874A	LEAFLET-QUICK SETUP GUIDE;K6300,EU,W/P,A	1	SNA	
1	ACCE1	BN92-19898K	ASSY ACCESSORY;LEDTV 6K	1	SNA	
0.2	ACCE4	BN96-39495F	ASSY ACCESSORY-MANUAL;UK6M	1	SNA	
..3		6902-001964	BAG PE;LDPE,BIOBASED,T0.03,W200,L300,TRP	1	SNA	
..3		BN68-03548J	LEAFLET-WARRANTY;comm,Samsung,17Lang,Mid	1	SNA	
..3		BN68-04972E	LEAFLET-REGULATORY GUIDE;ALL,SAMSUNG,W/W	1	SNA	
..3		BN68-07598A	LEAFLET-FICHE;ALL,W/P,0	1	SNA	
..3		BN68-07871D	MANUAL USERS;K6300,XH,W/P	1	SNA	
0.2	ACCE2	BN96-39496B	ASSY ACCESSORY-CABLE;UK6M	1	SNA	
..3		3709-001791	CONNECTOR-CARD SLOT;64P,0.5mm,SMD-A,AU,P	1	SA	
..3	T0268	3903-000950	CBF-POWER CORD;DT,CEE,LP-21L,250V,2.5A,B	1	SA	
..3		4301-000101	BATTERY-ALKALINE;1.5V,1650mAh,LR6,14.5x5	2	SNA	
..3		6902-001965	BAG PE;LDPE,BIOBASED,T0.05,W200,L300,TRP	1	SNA	
..3	EC03	BN39-02189A	GENDER CABLE;DC to RCA Cable,3P,L100,UL2	1	SA	
..3	EC03	BN39-02190A	GENDER CABLE;DC to RCA Cable,2P,L100,UL2	1	SA	
..3		BN59-01259B	REMOCON-TV;2016 TV,Samsung,13KEY,3V,Euro	1	SA	
..3	T0527	BN68-00513A	LABEL-E PASS;ALL MODEL,WW,YUPO,W50,L15,W	2	SNA	
..3		BN96-40152A	ASSY HOLDER P-CABLE;65KS7500,ABS,BK0007,	1	SNA	
...4		BN61-04692A	ADHESIVE-AA;SHEET,CLEAR,C043	0	SNA	
...4		BN61-05704A	TAPE-DOUBLE FACE;T1.1,W8,Dark Gray,3M #4	0	SNA	
...4	AH089	BN61-13777A	HOLDER-CABLE;55KS7500,ABS,T15,BK0007,HB,	1	SNA	
...4	AS080	BN63-07556W	SHEET-PROTECTION COVER;F-LED,PO,W12,ROLL	0	SNA	
..3	EH03A	BN96-40460A	ASSY HOLDER P-RING;55KS7500,ABS,BLACK,V-	1	SNA	
...4		6902-001404	BAG PE;LDPE,T0.05,W80,L100,TRP,N	1	SNA	
...4		BN61-13518A	HOLDER-WALL RING;55KS7500,ABS,MOLD,BK000	4	SA	
1		BN92-19930A	ASSY P/MATERIAL;LEDTV 6K	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	

ANNEX. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
0.2		6922-000003	BAND;PP,T0.8,W18,L1650M,TRP,DA69-90145A	1	SNA	
0.2		BN02-00319B	TAPE-OPP;OPP,T0.05,W75,L800m,CLEAR	3	SNA	
0.2	AS080	BN63-07229A	SHEET-PROTECTION COVER;rose70",PET,T0.05	3	SNA	
0.2		BN68-02422B	LABEL-WARNING;ALL,ART,T0.05,W240,L100,Wh	1	SNA	
0.2		BN69-03982P	PACKING ANGLE;EDGE,PAPER	1	SNA	
0.2		BN69-05418N	WRAP;T0.017,750,2000000,2000000,750	0	SNA	
0.2		BN69-06640E	PAD-PACKING;TRUCK PAD,CB,-,,W410,L2500,,	1	SNA	
0.2		BN69-06642A	PAD-SHEET;PAD,CB,SW4,,W1300,L1050,,,,,YE	1	SNA	
0.2		BN69-12145F	PALLET-DP WOODEN;UE55JU7500,WOOD,-,W1200	1	SNA	
0.2		BN69-13244A	CUSHION-SET SIDE;55K6200,EPS,16.7g/l,WHT	1	SNA	
0.2		BN69-13622B	PAD-CUSHION FRONT;55KS7500,CB,DW2+EPE,W6	1	SNA	
0.2		BN69-13653A	CUSHION-SET;55K6200,EPS,16.7g/l,WHT,FLAT	1	SNA	
..3		0103-005099	RESIN EPS;BASF303,Natural,Natural	737	SNA	
1		BN92-19962B	ASSY LABEL POP;LEDTV 6K	1	SNA	
0.2		BN68-07971C	LABEL POP-HIGHLIGHT;K6300,PET,T0.1,W90,L	1	SNA	
1		BN95-02625A	PRODUCT LCD-SDC;CY-VK055BGLV1V/H,K6300,B	1	SA	
0.2	SCREW	6001-003075	SCREW-MACHINE;BH,+,M3,L4,ZPC(WHT),SWRCH1	4	SA	
0.2		BN68-05722A	LABEL-E PASS;POLYPROPYLENE,NON-COATING	1	SNA	
0.2		BN74-00053E	TAPE-PAPER;PAPER,3M2307,0.14T,W20,50m,WH	0	SNA	
0.2		BN90-08206A	ASSY MISC-BLU;Y16,LCM	1	SNA	
..3		BN61-13755A	OPTICAL SHEET-COMPLEX;16Y_K5500_55INCH_C	1	SNA	
..3		BN61-13756A	LGP;16Y_K5500_55INCH_LGP,PMMA,Left LED,2	1	SNA	
..3		BN61-13757A	OPTICAL SHEET-REFLECTOR;16Y_K5500_55INCH	1	SNA	
..3		BN61-13970A	OPTICAL SHEET-DIFFUSER;16Y_K5500_55INCH_	1	SNA	
..3		BN96-39509A	ASSY LED BAR P;55 K6200(SDC),ALUMINUM,70	1	SNA	
..3		BN96-39691A	ASSY CHASSIS REAR P;55K6200,EGI SECC AG+	1	SNA	
...4		BN02-00102B	TAPE-FILAMENT;#8917,0.15,25,50,WHITE	0	SNA	
...4		BN02-00102F	TAPE FILAMENT;#8918K,FILAMENT,T0.15,W15,	4	SNA	
...4		BN02-00500A	TAPE THERMAL;55K6200,ACRYL,T0.2,W19.2,L6	1	SNA	
...4		BN39-02181A	LEAD CONNECTOR-BLU;55 K6200,UL21016,12P,	1	SNA	
...4		BN60-01462A	SPACER-SILICONE;55K6200,Si,L6,BLACK,T3.5	2	SNA	
...4		BN60-01473A	SPACER-SILICONE;49K6200,Si,L20,GRAY,T4,W	4	SNA	
...4		BN61-08235A	HOLDER-LGP;SNB,SWRCH10A,BLACK,PRESS	1	SNA	
...4		BN61-13459A	FRAME-MIDDLE TOP LEFT;49K6200,TPV,HB,BK0	1	SNA	
...4		BN61-13460A	FRAME-MIDDLE TOP RIGHT;49K6200,TPV,HB,BK	1	SNA	
...4		BN61-13461A	FRAME-MIDDLE BOTTOM LEFT;49K6200,TPV,HB,	1	SNA	
...4		BN61-13462A	FRAME-MIDDLE BOTTOM RIGHT;49K6200,TPV,HB	1	SNA	
...4		BN61-13557A	BRACKET-WIRE;KS7000,SW-C,1,60,SILVER	4	SA	
...4		BN61-13557F	BRACKET-WIRE;KS7000,SW-C,1,SILVER,ZINC P	2	SA	
...4		BN61-13557H	BRACKET-WIRE;55KS7000,SW-C,T1,NATURAL,ZI	2	SA	
...4		BN63-15795B	INSULATOR-SOURCE PCB;55K6200,PET,BLACK,L	1	SNA	
...4		BN63-15944A	INSULATOR-SMPS;32K5500,PC,BLACK,L169.9,W	1	SNA	
...4	CC04	BN64-03415A	CHASSIS-REAR;55K6200,EGI-SECC,PRESS,T0.8	1	SNA	
....5		BN61-11982B	HOLDER-WALL RIVET;55KS7000,CR-SPCC,EXTRU	4	SNA	
...4	T0527	BN68-00513A	LABEL-E PASS;ALL MODEL,WW,YUPO,W50,L15,W	1	SNA	
..3		BN96-40896A	ASSY FRAME P-MIDDLE LEFT;55K6200,STS304,	1	SNA	
...4		BN60-01431A	SPACER-PET;55K6200,PET,L677.9,GRAY,T0.06	2	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...4		BN61-14147A	FRAME-MIDDLE LEFT;55K6200,STS304,PRESS,N	1	SNA	
0.2	TCON	BN95-02677A	ASSY T CON;K6300 55inch,Hawk-FTs	1	SA	
..3		BN02-00417A	TAPE THERMAL;Hawk-FTs,PET,W65,L120,BLACK	1	SNA	
..3		BN97-10799A	ASSY SMD;K6500,Hawk-FTs SDC MJC Curved 5	1	SNA	
...4		0202-001608	SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0.	0	SNA	
...4		0403-000489	DIODE-ZENER;MMSZ5228B,3.705~4.095V,500mW	6	SA	
...4		0403-001831	DIODE-ZENER;KDZ12B,12~13.5V,1000mW,SOD-1	1	SA	
...4		0403-002014	DIODE-ZENER;KDZ16B,16.2~18.3V,1000mW,SOD	2	SNA	
...4		0404-001640	DIODE-SCHOTTKY;SS1060HEWS,60V,1000mA,SOD	1	SA	
...4		0404-001643	DIODE-SCHOTTKY;B360A,60V,3000mA,SMA,TP	1	SA	
...4		0406-001689	DIODE-TVS;SMH14A,15.6V,17.9V,1MAV,40A,TP	1	SA	
...4		0406-001712	DIODE-TVS;P4SMAJ30A,33.3V,36.8V,1MAV,40A	1	SNA	
...4		0406-001745	DIODE-TVS;P4SMAFJ18A-HAF,20V,21.5V,23.3V	1	SNA	
...4		0505-002660	FET-SILICON;Si2308BDS,N,60V,2.3A,0.156oh	1	SNA	
...4		0505-003224	FET-SILICON;AO6405,P,30V,-5A,0.052ohm,2W	1	SA	
...4	EL02	0601-002037	LED;SMD(TOP VIEW),BLUE,1.6x0.8mm,465/470	2	SA	
...4		0801-002345	IC-CMOS LOGIC;7S04,INVERTER,SOT-353,5P,2	1	SA	
...4		0801-003580	IC-CMOS LOGIC;TC7WB66CFK,SSOP,8P,2.0X2.3	3	SA	
...4		1105-002274	IC-DDR3 SDRAM;K4B1G1646G-BCMA,DDR3 1866,	1	SNA	
...4		1201-002779	IC-OP AMP;IML7814HS-HF,TSSOP,TP,14P,5x4.	1	SA	
...4		1203-006130	IC-POSIFIXED REG.;S-1172B25-U5T1G,SOT-8	1	SA	
...4		1203-007955	IC-DC/DC CONVERTER;BM81222MWV,QFN,48P,6x	1	SNA	
...4		1203-008102	IC-POSIFIXED REG.;S-13A1D12-E800,HSOP,8	1	SNA	
...4		1203-008104	IC-POSIFIXED REG.;S-13A1D18-E800,HSOP,8	3	SNA	
...4		1203-008258	IC-DC/DC CONVERTER;SY8106RAC,QFN,20,3x3x	1	SA	
...4		1203-008551	IC-DC/DC CONVERTER;BM81244,QFN,40P,6x6mm	1	SNA	
...4		1204-003557	IC-VIDEO PROCESS;SDP1401,PBGAH,553P,23x2	1	SA	
...4		1404-001731	THERMISTOR-NTC;33Kohm,4050K,1mW/C,TP,1.6	1	SNA	
...4		1405-001381	VARIATOR;11V,8VDC,30A,1.6x0.8mm,TP,25V,5	9	SA	
...4		1405-001382	VARIATOR;24.5V,16VDC,120A,2.0x1.25mm,TP,	2	SA	
...4		1405-001391	VARIATOR;32V,5Vdc,5A,2.1x1.25mm,TP,80V,1	6	SA	
...4		2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	5	SA	
...4		2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	3	SA	
...4		2007-000067	R-CHIP;15Kohm,1%,1/10W,TP,1608	1	SNA	
...4		2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	8	SA	
...4		2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	SA	
...4		2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	10	SA	
...4		2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	10	SA	
...4		2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	4	SNA	
...4		2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	60	SNA	
...4		2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	4	SA	
...4		2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SNA	
...4		2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	33	SNA	
...4		2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	6	SNA	
...4		2007-000265	R-CHIP;1.8Kohm,1%,1/10W,TP,1608	1	SA	
...4		2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	SA	

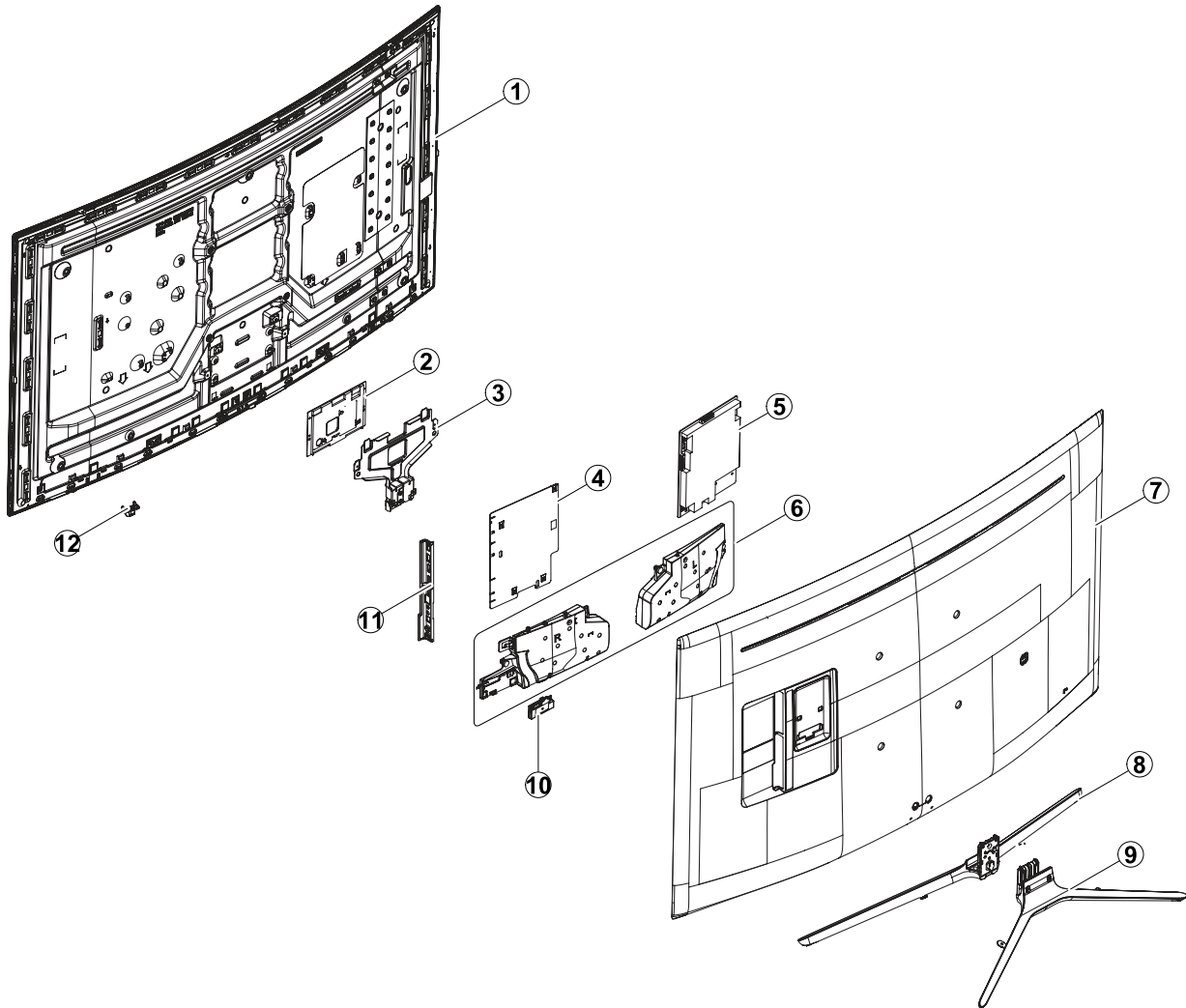
ANNEX. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...4		2007-000336	R-CHIP;120Kohm,1%,1/10W,TP,1608	1	SA	
...4		2007-000455	R-CHIP;18Kohm,1%,1/10W,TP,1608	1	SA	
...4		2007-000516	R-CHIP;2.7Kohm,1%,1/10W,TP,1608	2	SNA	
...4		2007-000536	R-CHIP;200ohm,1%,1/10W,TP,1608	1	SA	
...4		2007-000614	R-CHIP;24Kohm,1%,1/10W,TP,1608	1	SNA	
...4		2007-000651	R-CHIP;27Kohm,1%,1/10W,TP,1608	1	SA	
...4		2007-000669	R-CHIP;2Kohm,1%,1/10W,TP,1608,T0.45	1	SNA	
...4		2007-000869	R-CHIP;4.7Kohm,1%,1/10W,TP,1608	3	SA	
...4		2007-000939	R-CHIP;47Kohm,1%,1/10W,TP,1608	1	SA	
...4		2007-000962	R-CHIP;5.1Kohm,1%,1/10W,TP,1608	2	SA	
...4		2007-000999	R-CHIP;510ohm,1%,1/10W,TP,1608	2	SA	
...4		2007-001068	R-CHIP;6.8Kohm,1%,1/10W,TP,1608	1	SA	
...4		2007-001125	R-CHIP;68Kohm,1%,1/10W,TP,1608	2	SA	
...4		2007-001206	R-CHIP;82Kohm,1%,1/10W,TP,1608	1	SNA	
...4		2007-001298	R-CHIP;51ohm,5%,1/16W,TP,1005	8	SNA	
...4		2007-001433	R-CHIP;12Kohm,1%,1/10W,TP,1608	2	SA	
...4		2007-002899	R-CHIP;10ohm,1%,1/10W,TP,1608	1	SA	
...4		2007-007139	R-CHIP;47Kohm,1%,1/16W,TP,1005,T0.35	7	SA	
...4		2007-007309	R-CHIP;12Kohm,1%,1/16W,TP,1005,T0.35	3	SA	
...4		2007-007431	R-CHIP;91Kohm,1%,1/10W,TP,1608	2	SA	
...4		2007-007517	R-CHIP;240ohm,1%,1/16W,TP,1005	7	SNA	
...4		2007-007651	R-CHIP;9.1Kohm,1%,1/10W,TP,1608	1	SA	
...4		2007-007766	R-CHIP;2Kohm,1%,1/16W,TP,1005	10	SNA	
...4		2007-008213	R-CHIP;4.3Kohm,1%,1/16W,TP,1005	5	SNA	
...4		2007-008596	R-CHIP;0.1ohm,1%,1/4W,TP,3216	2	SC	
...4		2011-001264	R-NETWORK;10ohm,5%,1/16W,L,CHIP,8P,TP,2.	4	SNA	
...4	AD480	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608	1	SA	
...4	AD480	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
...4	AD480	2203-000425	C-CER,CHIP;0.018nF,5%,50V,C0G,TP,1005	2	SA	
...4	AD480	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,TP,1005	16	SA	
...4	AD480	2203-000714	C-CER,CHIP;3.3nF,10%,50V,X7R,TP,1005	2	SA	
...4	AD480	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	1	SNA	
...4	AD480	2203-002711	C-CER,CHIP;100nF,10%,25V,X7R,TP,1608	3	SA	
...4	AD480	2203-005138	C-CER,CHIP;1.8nF,10%,50V,X7R,TP,1005	3	SA	
...4	AD480	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608	6	SNA	
...4	AD480	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005,0.5T	3	SNA	
...4	AD480	2203-006158	C-CER,CHIP;100nF,10%,16V,X7R,TP,1005,T0.	203	SNA	
...4	AD480	2203-006307	C-CER,CHIP;1000nF,10%,25V,X5R,TP,2012	3	SNA	
...4	AD480	2203-006324	C-CER,CHIP;2200nF,10%,10V,X5R,TP,1608	2	SA	
...4	AD480	2203-006399	C-CER,CHIP;1000nF,10%,6.3V,X5R,TP,1005	1	SA	
...4	AD480	2203-006562	C-CER,CHIP;1000nF,10%,10V,X5R,TP,1005	24	SNA	
...4	AD480	2203-006698	C-CER,CHIP;1000nF,10%,25V,X7R,TP,1608,0.	2	SNA	
...4	AD480	2203-006824	C-CER,CHIP;4700nF,10%,10V,X5R,TP,1608	5	SNA	
...4	AD480	2203-006841	C-CER,CHIP;1000nF,10%,16V,X5R,TP,1005	1	SNA	
...4	AD480	2203-006890	C-CER,CHIP;10000nF,20%,6.3V,X5R,TP,1608	56	SNA	
...4	AD480	2203-006960	C-CER,CHIP;1000nF,10%,50V,X7R,TP,2012	2	SNA	
...4	AD480	2203-007176	C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012,1	9	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...4	AD480	2203-007270	C-CER,CHIP;10000nF,10%,10V,X5R,TP,1608,0	22	SNA	
...4	AD480	2203-007306	C-CER,CHIP;10000nF,10%,25V,X5R,TP,2012,1	36	SNA	
...4	AD480	2203-007544	C-CER,CHIP;100nF,10%,50V,X7R,TP,1005,0.5	18	SA	
...4	AD480	2203-008315	C-CER,CHIP;22000nF,20%,25V,X5R,TP,2012,1	31	SA	
...4		2703-003713	INDUCTOR-SMD;1.5uH,20%,7366,0.015Ohm,700	2	SA	
...4		2703-003747	INDUCTOR-SMD;22uH,20%,6060,0.135ohm,1300	3	SA	
...4		2703-003862	INDUCTOR-SMD;10uH,20%,6060,0.065ohm,1900	1	SA	
...4		2703-003913	INDUCTOR-SMD;2.2uH,20%,2520,1.2T,0.116Oh	1	SNA	
...4		2703-004199	INDUCTOR-SMD;10uH,20%,6.6x7.0mm,2.2mm,0.	1	SNA	
...4		2801-005324	CRYSTAL-SMD;27MHz,30ppm,Ceramic SMD(4pin	1	SA	
...4		2901-001362	FILTER-EMI/ESD;5.5V,0A,50pF,2.05x1.25x0.	3	SNA	
...4		3601-001374	FUSE-SURFACE MOUNT;32V,5A,FAST-ACTING,PL	4	SA	
...4		3601-001376	FUSE-SURFACE MOUNT;32V,3A,FAST-ACTING,Hi	1	SNA	
...4		3708-003073	CONNECTOR-FPC/FFC/PIC;51P,0.5mm,SMD-A,AU	2	SA	
...4		3708-003176	CONNECTOR-FPC/FFC/PIC;68P,0.5mm,SMD-A,AU	2	SA	
...4	EH01	3711-008098	HEADER-BOARD TO CABLE;BOX,20P,1R,1.25mm,	1	SNA	
...4		BN41-02481A	PCB-MAIN;2016Y FHD SDC MJC,FR-4,4L,1.2T,	1	SNA	
...4		BN97-11034A	ASSY MICOM;1107-002224,K6300_50,HAWK_FTS	1	SNA	
...5		1107-002224	IC-FLASH MEM. MODULE;W25X40CLSSIG,4Mbit,	1	SNA	
..3	M0131	MD63-00103A	GASKET-TAPE;GRANDSLAM,Conductive Fabric,	3	SNA	
0.2		BN96-39214A	ASSY OPEN CELL;LSF550HN03-L,16:9,0.4T	1	SNA	
..3		BN81-07437A	A/S-ADHESIVE ACF;LSJ400HL02-E,ADHESIVE A	1	SNA	
..3		BN81-07943A	A/S-ADHESIVE ACF;LSF320AN01-A,0201-00237	1	SNA	
..3		BN81-13073A	A/S-IC DRIVER SOURCE;IC DRIVER SOURCE,LJ	1	SNA	
..3		BN81-13081A	A/S-SOURCE PCB RIGHT;SOURCE PCB RIGHT,LJ	1	SNA	
..3		BN81-13082A	A/S-SOURCE PCB LEFT;SOURCE PCB LEFT,LJ94	1	SNA	
..3		BN82-01614A	A/S-POLARIZER CF;LSF550HF01-K,LJ01-10354	1	SNA	
..3		BN82-01615A	A/S-POLARIZER TFT;LSF550HF01-K,LJ01-1035	1	SNA	
0.2		BN96-39741E	ASSY CHASSIS FRONT P;55K6200,PC+ABS+ED18	1	SNA	
..3		BN60-01441C	SPACER-CONDUCTIVE;55K6300,CONDUCTIVE FAB	2	SNA	
..3		BN60-01441D	SPACER-CONDUCTIVE;55K6300,CONDUCTIVE FAB	2	SNA	
..3		BN63-10118A	GASKET-TAPE;60 FLED,Conductive Fabric,T0	2	SNA	
..3		BN63-11118B	SHEET-PROTECTION COVER;Y13 SNB F8.5K,PET	3	SNA	
..3		BN63-11118F	SHEET-PROTECTION COVER;K6200,PET,T0.04,W	1	SNA	
..3		BN63-12151A	GASKET-EMI;CY-MH270BGLV1V,Conductive Fab	2	SNA	
..3	AC155	BN64-03437A	CHASSIS-FRONT;55K6200,PC+ABS+ED18%,V-1,M	1	SNA	
...4		0103-010808	RESIN PC ABS;NH-1210/K21294,BLACK,BK0007	220	SNA	
...4		BN63-11118B	SHEET-PROTECTION COVER;Y13 SNB F8.5K,PET	3	SNA	
...4		BN63-11118F	SHEET-PROTECTION COVER;K6200,PET,T0.04,W	2	SNA	
0.2		BN96-40424A	FFC CABLE;K6300,Straight,L47,68P,16Y FHD	2	SNA	

ANNEX. Exploded View & Part List [UE49K6372SUXXH FA01]

1-1. Exploded View



1-1-1. Parts List

No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
1	BN95-02618A	PRODUCT LCD-SDC; CY-VK049BGLV1V/H,K6300,B	1	SA	
2	BN95-02676A	ASSY T CON; K6300 49inch,Hawk-FTs	1	SA	
3	BN61-13287A	BRACKET-STAND LINK; 40K5500,EGI-SECC,T1.6	1	SNA	
4	BN94-10793D	ASSY PCB MAIN; LEDTV 6K	1	SA	
5	BN44-00872A	DC VSS-PD BOARD; L55E1_KDY,AC/DC,105W,100	1	SA	
6	BN96-39972B	ASSY SPEAKER P-FRONT; TV-SPK,K6200,6ohm,1	1	SA	
7	BN96-39743D	ASSY COVER P-REAR; 49K6200,PC+ABS+ED20%,	1	SA	
8	BN96-40078A	ASSY STAND P-FRONT; 49K5500,PC+ABS,BK0008	1	SA	
9	BN96-40080A	ASSY STAND P-REAR; 49K5500,PC+ABS,BK0008	1	SA	
10	BN59-01240A	NETWORK-WLAN CLIENT; WCK720Q,USB 2.0,16P,	1	SA	
11	BN63-15299A	COVER-TERMINAL SIDE; 40K5500,HIPS,MOLD,HB	1	SA	
12	BN96-39802B	ASSY BOARD P-FUNCTION TACT; K6200/K5500/K	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
			UE49K6372SUXXH (FA01)			
1	R001A	BN90-07992D	ASSY COVER REAR;LEDTV 6K	1	SNA	
0.2	R001A	BN96-39743D	ASSY COVER P-REAR;49K6200,PC+ABS+ED20%,V	1	SA	
..3	CCM1	BN63-02183G	SHEET-PROTECTION COVER;Rhcm,PE,T0.05,W11	1	SNA	
..3		BN63-07556G	SHEET-COVER;TOC,PO,T0.068,W70mm,100M,ST-	3	SNA	
..3	AC220	BN63-15198A	COVER-CAP;55KS7500,ABS+PMMA,T0.1,HB,BK00	4	SNA	
..3	R001	BN63-15260B	COVER-REAR;49K6200,PC+ABS+ED20%,MOLD, V-1	1	SNA	
...4		0103-010837	RESIN PC ABS;CM20G/BK90080,Dark Gray,GY0	2519	SNA	
..3	AC220	BN63-15933A	COVER-CAP;49K6200,PC+ABS+ED20%,MOLD,V-1,	2	SNA	
..3		BN64-03519D	INLAY-TERMINAL SIDE;49K6200,PET,T0.125,W	1	SNA	
..3		BN68-03518H	LABEL-STICKER CI SLOT;WW,ALL,PET,T0.1,W1	1	SNA	
..3		BN68-05603A	LABEL-E PASS;ART PAPER 90G,W/W	3	SNA	
..3		BN68-07835C	LABEL-STICKER LICENSE;40K5500,PET,0.125,	1	SNA	
1		BN90-08023B	ASSY W/I;LEDTV 6K	1	SNA	
0.2		BN81-08159Z	A/S PART SET-ELEC W/I;LED TV ELEC spec-C	1	SNA	
0.2		BN81-12184Z	A/S PART SET-MECH W/I;UK6300E,U49KM*	1	SNA	
1	S001A	BN90-08054C	ASSY STAND;LEDTV 6K	1	SNA	
0.2		BN96-40078A	ASSY STAND P-FRONT;49K5500,PC+ABS,BK0008	1	SA	
..3		6001-003168	SCREW-MACHINE;CH,+,M3,L5,ZPC(BLK),SWRCH1	2	SNA	
..3		6902-002660	BAG PE;HDPE/PE FOAM,T0.015/T0.5,W120,L20	1	SNA	
..3		BN60-00162E	SPACER-FOAM;PE FOAM,ROLL,GRAY,T0.5,W20	1	SNA	
..3		BN61-13416A	BRACKET-STAND BOTTOM FRONT;49K5500,SM45C	1	SNA	
..3		BN61-13421A	BRACKET-STAND NECK FRONT;40K5500,HGI,T4,	1	SNA	
...4		BN61-13531A	STUD-PEM;40K5500,SUM24L,NATURAL	1	SNA	
..3		BN61-13427A	GUIDE-STAND FRONT;40K5500,PC+GF20%,V-2,G	1	SNA	
..3	RF01	BN61-13520D	FOOT-RUBBER;40K5500,RUBBER,GRAY,T3,W5 L1	2	SNA	
..3		BN61-14106A	BRACKET-STAND LINK FRONT;49K5500,EGI-SEC	1	SNA	
..3		BN63-11118E	SHEET-PROTECTION COVER;STANDARD ENCLOSUR	2	SNA	
..3		BN63-15242A	COVER-STAND BOTTOM FRONT;49K5500,PC+ABS,	1	SNA	
..3		BN63-15764A	SHEET-PU FOAM;40K5500,PU FOAM,T0.5,W57.0	1	SNA	
..3		BN95-02804A	ASSY COVER STAND SMT-FRONT TOP;K6200,49,	1	SNA	
...4		0203-001269	TAPE-OPP;#301,T0.06,W75,L50000,NTR	0	SNA	
...4		AA69-07580B	PAD-DP SHEET;CB,SW,W795,L490,0	1	SNA	
...4		BN63-15239A	COVER-STAND TOP FRONT;49K5500,PC+ABS,MOL	1	SNA	
...4		BN69-10617S	PACKING SHEET;48" 6500 INHOUSE,HDPE/PE F	1	SNA	
...4		BN69-13591V	PAD-DP CROSS;49K5500,CB,DW,W802,L135,YEL	1	SNA	
...4		BN69-13591W	PAD-DP CROSS;49K5500,CB,DW,W494,L135,YEL	1	SNA	
...4		BN69-13724S	MASTER BOX-DP;49K5500,CB,DW1,A1,L805,W50	1	SNA	
0.2		BN96-40080A	ASSY STAND P-REAR;49K5500,PC+ABS,BK0008	1	SA	
..3		6001-001114	SCREW-MACHINE;FH,+,M4,L6,ZPC(BLK),SWRC	2	SA	
..3	SCREW	6003-001238	SCREW-TAPTYPE;FH,+,S,M4,L8,ZPC(BLK),SWRC	2	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
..3	SCREW	6003-001334	SCREW-TAPTYPE;BH,+,S,M4,L14,ZPC(BLK),SWR	4	SA	
..3		6021-000265	NUT-HEXAGON;2C,M4,ZPC(YEL),SM20C	4	SNA	
..3		6902-002661	BAG PE;HDPE/PE FOAM,T0.015/T0.5,W140,L20	1	SNA	
..3		BN60-00162G	SPACER-FOAM;PE FOAM,ROLL,GRAY,T0.5,W30	0	SNA	
..3		BN61-04692A	ADHESIVE-AA;SHEET,CLEAR,C043	0	SNA	
..3		BN61-13419A	BRACKET-STAND BOTTOM REAR;K5500 49" 55",	1	SNA	
..3		BN61-13424A	BRACKET-STAND NECK REAR;K5500 40" 43",HG	1	SNA	
..3		BN61-13430A	GUIDE-STAND REAR;40K5500,PC+GF20%,V-2,GY	1	SNA	
...4		0103-010578	RESIN PC;HF-3200H/G33168,Gray,GY0296,1.5	45	SNA	
..3	RF01	BN61-13520B	FOOT-RUBBER;40K5500,Si,GRAY,T3,W5 L5	2	SNA	
..3		BN63-15248A	COVER-STAND BOTTOM REAR;49K5500,PC+ABS,M	1	SNA	
...4		0103-010892	RESIN PC ABS;NH-1017SG/G33438,Blue Gray,	151	SNA	
..3		BN63-15764B	SHEET-PU FOAM;55K5500,PU FOAM,T0.3,W57,L	1	SNA	
..3		BN95-02806A	ASSY COVER STAND SMT-REAR TOP;K6200,49,S	1	SNA	
...4		0204-007315	COATING;CVM92000(VOC),CLEAR,1.06	0	SNA	
...4		AA69-04045N	PAD-DP SHEET;CB,SW,610,520	1	SNA	
...4		BN01-00337A	TARGET-ALUMINIUM CY;Al,99.9%,1924mm, 132	0	SNA	
...4		BN01-00340A	TARGET-CHROMIUM CY;Cr,99.5%,1924mm, 132d	0	SNA	
...4		BN63-15245A	COVER-STAND TOP REAR;49K5500,PC+ABS,MOLD	1	SNA	
....5		0103-005041	RESIN PC ABS;FR3200TV,901408,BK0008,1.2m	72	SNA	
...4		BN68-03920A	LABEL BOX;ALL,ART,100g,W100,L75,W/W	2	SNA	
...4		BN69-10617B	PACKING SHEET;32" UH6300,HDPE/PE FOAM,PE	1	SNA	
...4		BN69-13591P	PAD-DP CROSS;49K5500,CB,DW,W608,L180,YEL	1	SNA	
...4		BN69-13591Q	PAD-DP CROSS;49K5500,CB,DW,W522,L180,YEL	1	SNA	
...4		BN69-13724P	MASTER BOX-DP;49K5500,CB,DW1,A1,L615,W52	1	SNA	
..3		BN96-35528C	ASSY ACCESSORY-SCREW;40K5500,W/W,M4,L25,	1	SNA	
...4		6001-003072	SCREW-MACHINE;BH,+,WS,M4,L25,NI PLT,SWRC	4	SA	
1	M0017	BN91-17270F	ASSY CHASSIS;LEDTV 6K	1	SNA	
0.2	M0014	BN94-10793D	ASSY PCB MAIN;LEDTV 6K	1	SA	
..3	AH020	BN62-00821A	HEAT SINK;49K6200,A1050,6.3T,W127.6,L94.	1	SNA	
..3		BN63-15299A	COVER-TERMINAL SIDE;40K5500,HIPS,MOLD,HB	1	SA	
..3		BN97-09470B	ASSY DRM;MAC, MIRACAST HDCP	1	SNA	
...4		BN46-00109H	KEY CODE-CERTIFICATION;MAC,TV/AV,General	1	SNA	
...4		BN46-00110P	KEY CODE-CERTIFICATION;MIRACAST(HDCP2.2)	1	SNA	
...4		BN46-00115P	KEY CODE-CERTIFICATION;CI+, TV, HAWK, EU	1	SNA	
..3		BN97-10642C	ASSY SMD;LED TV 6K	1	SNA	
...4	DS01A	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	SA	
...4		0403-001783	DIODE-ZENER;BZB84-C6V2,5.8~6.6V,300mW,SO	3	SNA	
...4		0404-001404	DIODE-SCHOTTKY;BAT721C,40V,200mA,SOT-23,	4	SA	
...4		0404-001881	DIODE-SCHOTTKY;SS3040-HE,40V,3000mA,SOD-	3	SA	
...4		0406-001200	DIODE-TVS;RClamp0504F,6V,1MAV,TP	2	SA	
...4		0406-001290	DIODE-TVS;3.0SMCJ20A,22.2V,24.5V,5MAV,30	1	SNA	
...4		0406-001628	DIODE-TVS;AOZ8804ADI,6V,1MAV,5A,TP	1	SA	
...4		0406-001635	DIODE-TVS;SMF5.0A,6.4V,6.7V,7V,200MAV,20	7	SA	
...4		0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	3	SC	
...4		0504-000126	TR-DIGITAL;KSR1101,NPN,200mW,4.7K/4.7K,S	1	SA	

ANNEX. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...4		0505-002560	FET-SILICON;AO6415,P,20V,-3.3A,0.15ohm,1	1	SA	
...4		0505-002598	FET-SILICON;AP2317GN,P,20V,-4.2A,0.052oh	1	SA	
...4		0505-002893	FET-SILICON;AO4801AS,P,30V,-5A,2W,SOIC-8	1	SA	
...4		0505-003397	FET-SILICON;2N7002K,N,60V,0.38A,1.19ohm,	2	SA	
...4		0505-003507	FET-SILICON;AO3424,N,30V,3.8A,1.4W,SOT-2	4	SA	
...4		0801-002780	IC-CMOS LOGIC;74LVC1G17,SCHMITT-TRIGGER	1	SA	
...4		0801-003330	IC-CMOS LOGIC;Octal buffer,DQFN,20P,4.5x	1	SA	
...4		1001-001545	IC-ANALOG MULTIPLEX;TS3USB221ERSER,R-PQF	1	SA	
...4		1103-001600	IC-EEPROM;24C512C,512k,SOIC,8P,6.20mmX5.	1	SA	
...4		1105-002681	IC-DDR3 SDRAM;H5TQ4G63CFR,DDR3 1866,4Gbi	3	SNA	
...4		1201-003690	IC-AUDIO AMP;TAS5747PHPR,QFP,48P,DUAL,PL	1	SA	
...4		1203-004364	IC-VOL. DETECTOR;RT9818C-42PV,SOT-23,3P,	1	SA	
...4		1203-007018	IC-DC/DC CONVERTER;TPS54821RHL,QFN,14,3.	1	SA	
...4		1203-007238	IC-PWM CONTROLLER;TPS54427,DDA,8P,4.8x3.	1	SNA	
...4		1203-007700	IC-DC/DC CONVERTER;TPS54527DDAR,DDA,8P,5	1	SA	
...4		1203-008105	IC-POS.FIXED REG.;S-13A1D33-E800,HSOP,8	1	SNA	
...4		1203-008112	IC-POS.ADJUST REG.;AOZ2002PI,SO-8,8,4.9	1	SA	
...4		1203-008118	IC-DC/DC CONVERTER;AOZ3013PI,SO-8,8,4.96	2	SA	
...4		1203-008183	IC-DC/DC CONVERTER;AOZ3015PI-1,EPAD SO-8	1	SA	
...4		1203-008392	IC-VOL. DETECTOR;S-6414AAB-L800X,TSOT-23	1	SA	
...4		1203-008393	IC-DDR TERMINATION REG.;AP2303MTR-G1-89,	1	SA	
...4		1203-008448	IC-DC/DC CONVERTER;A8305SESTR-T,QFN,16,3	1	SNA	
...4		1203-008454	IC-DC/DC CONVERTER;TPS56528,HSOP8,8,4,89	1	SA	
...4		1204-003586	IC-DECODER;SDP1415,PBGA,631P,23x23mm,PLA	1	SA	
...4		1205-004447	IC-SWITCH;TPS2051CDBVR,SOT23-5,5P,3x1.65	1	SA	
...4		1205-004983	IC-SWITCH;BD82032FVJ,TSSOP-B8J,8P,3.0x4.	2	SA	
...4		1205-005537	IC-REPEATER;TCA9517,VSSOP,8P,3.00x3.00mm	3	SA	
...4		1405-001271	VARISTOR;35V,20Vdc,5A,1.0x0.5mm,TP,100V,	15	SA	
...4		2007-000137	R-CHIP;2Kohm,5%,1/16W,TP,1005	16	SNA	
...4		2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	21	SNA	
...4		2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SNA	
...4		2007-000174	R-CHIP;47ohm,5%,1/16W,TP,1005	26	SNA	
...4		2007-000932	R-CHIP;470ohm,5%,1/16W,TP,1005	3	SNA	
...4		2007-001116	R-CHIP;680ohm,1%,1/10W,TP,1608	1	SA	
...4		2007-001288	R-CHIP;18ohm,5%,1/16W,TP,1005	4	SA	
...4		2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	10	SNA	
...4		2007-001298	R-CHIP;51ohm,5%,1/16W,TP,1005	8	SNA	
...4		2007-007107	R-CHIP;100Kohm,1%,1/16W,TP,1005	14	SNA	
...4		2007-007132	R-CHIP;15Kohm,1%,1/16W,TP,1005	3	SA	
...4		2007-007133	R-CHIP;300ohm,1%,1/16W,TP,1005	1	SA	
...4		2007-007134	R-CHIP;39Kohm,1%,1/16W,TP,1005	2	SA	
...4		2007-007135	R-CHIP;18Kohm,1%,1/16W,TP,1005	2	SNA	
...4		2007-007136	R-CHIP;4.7Kohm,1%,1/16W,TP,1005	2	SNA	
...4		2007-007137	R-CHIP;1.2Kohm,1%,1/16W,TP,1005	4	SA	
...4		2007-007138	R-CHIP;27Kohm,1%,1/16W,TP,1005	3	SNA	
...4		2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	25	SNA	
...4		2007-007307	R-CHIP;150ohm,1%,1/16W,TP,1005	1	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...4		2007-007311	R-CHIP;22Kohm,1%,1/16W,TP,1005	6	SA	
...4		2007-007312	R-CHIP;20Kohm,1%,1/16W,TP,1005	2	SA	
...4		2007-007313	R-CHIP;6.8Kohm,1%,1/16W,TP,1005	2	SA	
...4		2007-007317	R-CHIP;2.2Kohm,1%,1/16W,TP,1005	1	SA	
...4		2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	22	SNA	
...4		2007-007470	R-CHIP;7.5Kohm,1%,1/16W,TP,1005	1	SNA	
...4		2007-007488	R-CHIP;75Kohm,1%,1/16W,TP,1005	1	SNA	
...4		2007-007517	R-CHIP;240ohm,1%,1/16W,TP,1005	7	SNA	
...4		2007-007528	R-CHIP;1.5Kohm,1%,1/16W,TP,1005	1	SA	
...4		2007-007587	R-CHIP;3.6Kohm,1%,1/16W,TP,1005	1	SNA	
...4		2007-007767	R-CHIP;200ohm,1%,1/16W,TP,1005	7	SA	
...4		2007-007861	R-CHIP;62Kohm,1%,1/16W,TP,1005	1	SA	
...4		2007-007942	R-CHIP;1Mohm,1%,1/16W,TP,1005	1	SNA	
...4		2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	14	SNA	
...4		2007-008263	R-CHIP;3Kohm,1%,1/16W,TP,1005	1	SA	
...4		2007-008275	R-CHIP;30Kohm,1%,1/16W,TP,1005	3	SNA	
...4		2007-008298	R-CHIP;49.9ohm,1%,1/16W,TP,1005	4	SA	
...4		2007-008429	R-CHIP;499ohm,1%,1/16W,TP,1005	1	SNA	
...4		2007-008485	R-CHIP;22ohm,1%,1/16W,TP,1005	10	SC	
...4		2007-008779	R-CHIP;0ohm,1%,1/16W,TP,1005	4	SA	
...4		2007-009117	R-CHIP;49.9Kohm,1%,1/16W,TP,1005	1	SA	
...4		2007-009777	R-CHIP;4.99Kohm,1%,1/16W,TP,1005	1	SA	
...4		2011-001261	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP,2.	8	SA	
...4		2011-001344	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,2	4	SA	
...4		2011-001345	R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,2	1	SA	
...4		2011-001449	R-NETWORK;22ohm,5%,1/16W,L,4P,TP,1.0x1.0	4	SA	
...4		2011-001497	R-NETWORK;470ohm,5%,1/16W,L,CHIP,4P,TP,1	1	SNA	
...4		2011-001506	R-NETWORK;10Kohm,5%,1/16W,L,CHIP,4P,TP,1	1	SNA	
...4		2011-001587	R-NETWORK;100ohm,5%,1/16W,L,CHIP,4P,TP,1	2	SNA	
...4	AD480	2203-000233	C-CER,CHIP;0.1nF,5%,50V,C0G,TP,1005	6	SA	
...4	AD480	2203-000278	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,TP,1005	2	SA	
...4	AD480	2203-000359	C-CER,CHIP;0.15nF,5%,50V,C0G,TP,1005,0.5	1	SNA	
...4	AD480	2203-000386	C-CER,CHIP;0.015nF,5%,50V,C0G,TP,1005	2	SA	
...4	AD480	2203-000489	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1005	4	SA	
...4	AD480	2203-000585	C-CER,CHIP;0.22nF,10%,50V,X7R,TP,1005	3	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	1	SA	
...4	AD480	2203-000812	C-CER,CHIP;0.033nF,5%,50V,C0G,TP,1005	5	SA	
...4	AD480	2203-000854	C-CER,CHIP;0.039nF,5%,50V,C0G,TP,1005	1	SA	
...4	AD480	2203-000940	C-CER,CHIP;0.47nF,10%,50V,X7R,TP,1005	2	SA	
...4	AD480	2203-000995	C-CER,CHIP;0.047nF,5%,50V,C0G,TP,1005	1	SA	
...4	AD480	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,TP,1005	10	SNA	
...4	AD480	2203-003019	C-CER,CHIP;8.2nF,10%,50V,X7R,TP,1005	2	SNA	
...4	AD480	2203-005083	C-CER,CHIP;220nF,10%,50V,X7R,TP,1608,0.8	8	SA	
...4	AD480	2203-005968	C-CER,CHIP;4.7nF,10%,50V,X7R,TP,1005,0.5	4	SNA	
...4	AD480	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,TP,1005	61	SA	
...4	AD480	2203-006126	C-CER,CHIP;47nF,10%,16V,X7R,TP,1005	3	SNA	

ANNEX. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...4	AD480	2203-006257	C-CER,CHIP;470nF,10%,6.3V,X5R,TP,1005,0.	1	SNA	
...4	AD480	2203-006838	C-CER,CHIP;2200nF,10%,6.3V,X5R,TP,1005	11	SA	
...4	AD480	2203-006960	C-CER,CHIP;1000nF,10%,50V,X7R,TP,2012	2	SNA	
...4	AD480	2203-007269	C-CER,CHIP;22000nF,20%,10V,X5R,TP,2012(2	14	SA	
...4		2703-000158	INDUCTOR-SMD;1uH,10%,0.4Ohm,50mA,45,Mult	1	SA	
...4		2703-000213	INDUCTOR-SMD;470nH,10%,1.35Ohm,35mA,15,M	1	SA	
...4		2703-000408	INDUCTOR-SMD;3.3uH,20%,0.28Ohm,500mA,10,	1	SA	
...4		2703-001938	INDUCTOR-SMD;56nH,5%,1005,1.5Ohm,200mA,1	1	SA	
...4		2703-003937	INDUCTOR-SMD;1uH,20%,7.0x6.47x3.0mm,0.00	1	SA	
...4		2703-004724	INDUCTOR-SMD;8.2uH,20%,4T,0.072Ohm,2300m	4	SA	
...4		2703-005191	INDUCTOR-SMD;1.5uH,20%,4.5,0.02Ohm,5300m	2	SA	
...4		2703-005192	INDUCTOR-SMD;4.7uH,20%,4.5,0.036Ohm,4200	2	SA	
...4		2703-005194	INDUCTOR-SMD;3.3uH,20%,4.5,0.03Ohm,4500m	1	SA	
...4		2703-005198	INDUCTOR-SMD;15uH,20%,3T,0.123Ohm,2500mA	1	SNA	
...4		2801-004021	CRYSTAL-SMD;24.576MHz,20ppm,28-AAN,12pF,	1	SA	
...4		3301-001364	BEAD-SMD;1000ohm,1608,TP,1085ohm/108MHz,	7	SNA	
...4		3407-000183	SWITCH-DIP;50V,100mA,SLIDE,STANDARD	1	SNA	
...4		3701-001967	CONNECTOR-HDMI;19P,A,FEMALE,AU,0.5mm,BLK	3	SA	
...4		3707-001104	CONNECTOR-OPTICAL;ANGLE,SPDIF	1	SA	
...4		3710-003908	CONNECTOR-SOCKET;64P,2R,0.5mm,SMD-S,AU,B	1	SA	
...4		3711-007585	CONNECTOR-HEADER;BOX,4P,1R,2.5mm,ANGLE,S	1	SA	
...4		3711-007776	CONNECTOR-HEADER;BOX,8P,1R,1.25mm,SMD-A,	1	SA	
...4	EH01	3711-008859	HEADER-BOARD TO CABLE;BOX,12P,2R,2mm,ANG	1	SA	
...4		3711-009090	CONNECTOR-HEADER;BOX,16P,1R,1.25mm,SMD-A	1	SA	
...4		3722-003199	JACK-MODULAR;8P/8C,Y,ANGLE,NONE,AU,1PORT	1	SA	
...4		3722-003457	JACK-USB;4P/1C,NI,BLK,ANGLE,A,2.0,13.1x1	2	SA	
...4		3722-003814	JACK-PHONE;1P/7C,NI/SN,YEL,ANGLE,3.5PI,1	1	SA	
...4	JACK	3722-003873	JACK-PHONE;1P/7C,AU/SN,BLU,ANGLE,3.5PI,1	1	SA	
...4		6302-001376	GASKET-SMD;;;CONDUCTIVE FABRIC,T14,W43,L	8	SNA	
...4	ET01	BN40-00318A	TUNER-DTV AIR CABLE SAT;DNTS243H5A,DVB-T	1	SA	
...4		BN41-02534A	PCB-MAIN;K5500/6200/6300,FR-4,4L,1.2T,19	1	SNA	
...4	CB07	BN61-13312B	BRACKET-PCB;55KS8000,SK5,0.3,13.7,11.4,S	4	SNA	
...4		BN97-10911B	ASSY MICOM-MAIN;T-HKMFKDEUC,UWK60,THGBMB	1	SNA	
...5		1107-002341	IC-EMMC;THGBMBG5D1KBAIT,4GB,BGA,153P,11x	1	SA	
...4		BN97-10913B	ASSY MICOM-SUB;HMMICOM_16_FHD,UWK60,GD25	1	SNA	
...5		1107-002467	IC-NOR FLASH;GD25Q41BSIGY,4Mbit,SOP,8P,5	1	SA	
1		BN91-17302F	ASSY SHIELD;LEDTV 6K	1	SNA	
0.2	SCREW	6001-003081	SCREW-MACHINE;PWH,+,M3,L5,ZPC(WHT),SWRCH	5	SA	
0.2		BN02-00102B	TAPE-FILAMENT;#8917,0.15,25,50,WHITE	0	SNA	
0.2		BN39-02217A	LEAD CONNECTOR-POWER;UN50KU6000,UL21016,	1	SA	
0.2		BN39-02219C	LEAD CONNECTOR-SUB ASSY;40K5500,UL21016,	1	SA	
0.2		BN39-02223C	LEAD CONNECTOR-SUB ASSY;55K6200,UL21016,	1	SA	
0.2		BN44-00872A	DC VSS-PD BOARD;L55E1_KDY,AC/DC,105W,100	1	SA	
0.2		BN59-01240A	NETWORK-WLAN CLIENT;WCK720Q,USB 2.0,16P,	1	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
0.2	CB18	BN61-13287A	BRACKET-STAND LINK;40K5500,EGI-SECC,T1.6	1	SNA	
..3		BN61-09605A	STUD-PEM;LED TV F6100,SUM24L,L8	4	SNA	
0.2	RB01	BN63-15932A	COVER-BOTTOM;49K6200,PC+ABS+ED20%,MOL D,V	1	SNA	
0.2		BN96-39802B	ASSY BOARD P-FUNCTION TACT;K6200/K5500/K	1	SA	
0.2		BN96-39972B	ASSY SPEAKER P-FRONT;TV-SPK,K6200,6ohm,1	1	SA	
0.2		BN96-40209A	FFC CABLE;49K6200,Wrinkle,L350,51P	1	SA	
1		BN92-19838D	ASSY BOX;LEDTV 6K	1	SNA	
0.2		BH68-00662A	LABEL BOX;ALL,ART,90g,W60,L110,WHT,NO SI	1	SNA	
0.2		BN68-05640A	LABEL BOX;ALL,ART,90g,W110,L130,EUROPE,L	1	SNA	
0.2		BN69-13709R	BOX UNIT;49K6300,CB,DW2,F1,L1180,W162,H6	1	SNA	
1		BN92-19868D	ASSY LABEL;LEDTV 6K	1	SNA	
0.2		0203-001598	TAPE-FILAMENT;#8915,0.15,12,55000,CLR	0	SNA	
0.2		BN68-06708G	LABEL-RATING;Monitor,WW,PP,T0.161,W93,L7	1	SNA	
0.2		BN68-07519A	LABEL-ENERGY;ALL JORDAN,WW,PP,T0.135,W60	1	SNA	
0.2		BN68-07874A	LEAFLET-QUICK SETUP GUIDE;K6300,EU,W/P,A	1	SNA	
1	ACCE1	BN92-19898K	ASSY ACCESSORY;LEDTV 6K	1	SNA	
0.2	ACCE4	BN96-39495F	ASSY ACCESSORY-MANUAL;UK6M	1	SNA	
..3		6902-001964	BAG PE;LDPE,BIOBASED,T0.03,W200,L300,TRP	1	SNA	
..3		BN68-03548J	LEAFLET-WARRANTY;comm,Samsung,17Lang,Mid	1	SNA	
..3		BN68-04972E	LEAFLET-REGULATORY GUIDE;ALL,SAMSUNG,W/W	1	SNA	
..3		BN68-07598A	LEAFLET-FICHE;ALL,W/P,0	1	SNA	
..3		BN68-07871D	MANUAL USERS;K6300,XH,W/P	1	SNA	
0.2	ACCE2	BN96-39496B	ASSY ACCESSORY-CABLE;UK6M	1	SNA	
..3		3709-001791	CONNECTOR-CARD SLOT;64P,0.5mm,SMD-A,AU,P	1	SA	
..3	T0268	3903-000950	CBF-POWER CORD;DT,CEE,LP-21L,250V,2.5A,B	1	SA	
..3		4301-000101	BATTERY-ALKALINE;1.5V,1650mAh,LR6,14.5x5	2	SNA	
..3		6902-001965	BAG PE;LDPE,BIOBASED,T0.05,W200,L300,TRP	1	SNA	
..3	EC03	BN39-02189A	GENDER CABLE;DC to RCA Cable,3P,L100,UL2	1	SA	
..3	EC03	BN39-02190A	GENDER CABLE;DC to RCA Cable,2P,L100,UL2	1	SA	
..3		BN59-01259B	REMOCON-TV;2016 TV,Samsung,13KEY,3V,Euro	1	SA	
..3	T0527	BN68-00513A	LABEL-E PASS;ALL MODEL,WW,YUPO,W50,L15,W	2	SNA	
..3		BN96-40152A	ASSY HOLDER P-CABLE;65KS7500,ABS,BK0007,	1	SNA	
...4		BN61-04692A	ADHESIVE-AA;SHEET,CLEAR,C043	0	SNA	
...4		BN61-05704A	TAPE-DOUBLE FACE;T1.1,W8,Dark Gray,3M #4	0	SNA	
...4	AH089	BN61-13777A	HOLDER-CABLE;55KS7500,ABS,T15,BK0007,HB,	1	SNA	
...4	AS080	BN63-07556W	SHEET-PROTECTION COVER;F-LED,PO,W12,ROLL	0	SNA	
..3	EH03A	BN96-40460A	ASSY HOLDER P-RING;55KS7500,ABS,BLACK,V-	1	SNA	
...4		6902-001404	BAG PE;LDPE,T0.05,W80,L100,TRP,N	1	SNA	
...4		BN61-13518A	HOLDER-WALL RING;55KS7500,ABS,MOLD,BK000	4	SA	
1		BN92-19929A	ASSY P/MATERIAL;LEDTV 6K	1	SNA	
0.2		6902-001956	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	1	SNA	
0.2		BN02-00319B	TAPE-OPP;OPP,T0.05,W75,L800m,CLEAR	3	SNA	
0.2	AS080	BN63-07229A	SHEET-PROTECTION COVER;rose70",PET,T0.05	4	SNA	
0.2		BN68-02422B	LABEL-WARNING;ALL,ART,T0.05,W240,L100,Wh	1	SNA	

ANNEX. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
0.2		BN69-03982L	PACKING ANGLE;EDGE,PAPER	1	SNA	
0.2		BN69-05418N	WRAP;T0.017,750,2000000,2000000,750	0	SNA	
0.2		BN69-06640A	PAD-SHEET;PAD,CB,SW4,,W1120,L950,,,,,YEL	1	SNA	
0.2		BN69-06640E	PAD-PACKING;TRUCK PAD,CB,-,,W410,L2500,,	1	SNA	
0.2		BN69-13147Z	PALLET-WOODEN;49" K6300,WOOD,-,W1050,L11	1	SNA	
0.2		BN69-13650A	CUSHION-SET;49K6200,EPS,16.7g/l,WHT,FLAT	1	SNA	
0.2		BN69-13652A	CUSHION-SET SIDE;49K6200,EPS,16.7g/l,WHT	1	SNA	
..3		0103-005099	RESIN EPS;BASF303,Natural,Natural	604	SNA	
0.2		BN69-14366A	PAD-CUSHION FRONT;49KS9000,CB,DW2+EPS,W6	1	SNA	
1		BN92-19962B	ASSY LABEL POP;LEDTV 6K	1	SNA	
0.2		BN68-07971C	LABEL POP-HIGHLIGHT;K6300,PET,T0.1,W90,L	1	SNA	
1		BN95-02618A	PRODUCT LCD-SDC;CY-VK049BGLV1V/H,K6300,B	1	SA	
0.2	SCREW	6001-003075	SCREW-MACHINE;BH,+,M3,L4,ZPC(WHT),SWRCH1	4	SA	
0.2		BN68-05722A	LABEL-E PASS;POLYPROPYLENE,NON-COATING	1	SNA	
0.2		BN74-00053E	TAPE-PAPER;PAPER,3M2307,0.14T,W20,50m,WH	0	SNA	
0.2		BN90-08208A	ASSY MISC-BLU;Y16,LCM	1	SNA	
..3		BN61-13752A	LGP;16Y_K5500_49INCH_LGP,PMMA,Left LED,2	1	SNA	
..3		BN61-13753A	OPTICAL SHEET-REFLECTOR;16Y_K5500_49INCH	1	SNA	
..3		BN61-13959A	OPTICAL SHEET-DIFFUSER;16Y_K5500_49INCH_	1	SNA	
..3		BN61-13964A	OPTICAL SHEET-COMPLEX;16Y_K5500_49INCH_O	1	SNA	
..3		BN96-39512A	ASSY LED BAR P;49 K6200(SDC),ALUMINUM,70	1	SNA	
..3		BN96-39690A	ASSY CHASSIS REAR P;49K6200,EGI SECC AG+	1	SNA	
...4		BN02-00102B	TAPE-FILAMENT;#8917,0.15,25,50,WHITE	0	SNA	
...4		BN02-00102F	TAPE FILAMENT;#8918K,FILAMENT,T0.15,W15,	4	SNA	
...4		BN02-00499A	TAPE THERMAL;49K6200,ACRYL,T0.2,W19.2,L6	1	SNA	
...4		BN39-02181A	LEAD CONNECTOR-BLU;55 K6200,UL21016,12P,	1	SNA	
...4		BN60-01461A	SPACER-SILICONE;49K6200,Si,L6,GRAY,T4.5,	2	SNA	
...4		BN60-01473A	SPACER-SILICONE;49K6200,Si,L20,GRAY,T4,W	4	SNA	
...4		BN61-08235A	HOLDER-LGP;SNB,SWRCH10A,BLACK,PRESS	1	SNA	
...4		BN61-13459A	FRAME-MIDDLE TOP LEFT;49K6200,TPV,HB,BK0	1	SNA	
...4		BN61-13460A	FRAME-MIDDLE TOP RIGHT;49K6200,TPV,HB,BK	1	SNA	
...4		BN61-13461B	FRAME-MIDDLE BOTTOM LEFT;49K6200,TPV,HB,	1	SNA	
...4		BN61-13462B	FRAME-MIDDLE BOTTOM RIGHT;49K6200,TPV,HB	1	SNA	
...4		BN61-13557A	BRACKET-WIRE;KS7000,SW-C,1,60,SILVER	4	SA	
...4		BN61-13557F	BRACKET-WIRE;KS7000,SW-C,1,SILVER,ZINC P	4	SA	
...4		BN63-15531A	INSULATOR-SMPS;40K5500,PC,BLACK,L169.9,W	1	SNA	
...4		BN63-15796A	INSULATOR-SOURCE PCB;49K6200,PET,BLACK,L	1	SNA	
...4		BN63-15796B	INSULATOR-SOURCE PCB;49K6200,PET,BLACK,L	1	SNA	
...4	CC04	BN64-03414A	CHASSIS-REAR;EGI-SECC,SECC-AG	1	SNA	
...5		BN61-11982B	HOLDER-WALL RIVET;55KS7000,CR-SPCC,EXTRU	4	SNA	
...4	T0527	BN68-00513A	LABEL-E PASS;ALL MODEL,WW,YUPO,W50,L15,W	1	SNA	
..3		BN96-40895A	ASSY FRAME P-MIDDLE LEFT;49K6200,STS304,	1	SNA	
...4		BN60-01430A	SPACER-PET;49K6200,PET,L600.5,GRAY,T0.06	2	SNA	
...4		BN61-14146A	FRAME-MIDDLE LEFT;49K6200,STS304,PRESS,N	1	SNA	
0.2	TCON	BN95-02676A	ASSY T CON;K6300 49inch,Hawk-FTs	1	SA	
..3		BN02-00417A	TAPE THERMAL;Hawk-FTs,PET,W65,L120,BLACK	1	SNA	
..3		BN97-10798A	ASSY SMD;K6500,Hawk-FTs SDC MJC Curved 4	1	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...4		0202-001608	SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0.	0	SNA	
...4		0202-001899	SOLDER-CREAM;M705-GRN360-K2-VT,20-38um,S	3	SNA	
...4		0403-000489	DIODE-ZENER;MMSZ5228B,3.705~4.095V,500mW	6	SA	
...4		0403-001831	DIODE-ZENER;KDZ12B,12~13.5V,1000mW,SOD-1	1	SA	
...4		0403-002014	DIODE-ZENER;KDZ16B,16.2~18.3V,1000mW,SOD	2	SNA	
...4		0404-001640	DIODE-SCHOTTKY;SS1060HEWS,60V,1000mA,S OD	1	SA	
...4		0404-001643	DIODE-SCHOTTKY;B360A,60V,3000mA,SMA,TP	1	SA	
...4		0406-001689	DIODE-TVS;SMH14A,15.6V,17.9V,1MAV,40A,TP	1	SA	
...4		0406-001712	DIODE-TVS;P4SMAJ30A,33.3V,36.8V,1MAV,40A	1	SNA	
...4		0406-001745	DIODE-TVS;P4SMAFJ18A-HAF,20V,21.5V,23.3V	1	SNA	
...4		0505-002660	FET-SILICON;Si2308BDS,N,60V,2.3A,0.156oh	1	SNA	
...4		0505-003224	FET-SILICON;AO6405,P,30V,-5A,0.052ohm,2W	1	SA	
...4	EL02	0601-002037	LED;SMD(TOP VIEW),BLUE,1.6x0.8mm,465/470	2	SA	
...4		0801-002345	IC-CMOS LOGIC;7S04,INVERTER,SOT-353,5P,2	1	SA	
...4		0801-003580	IC-CMOS LOGIC;TC7WB66CFK,SSOP,8P,2.0X2.3	3	SA	
...4		1105-002274	IC-DDR3 SDRAM;K4B1G1646G-BCMA,DDR3 1866,	1	SNA	
...4		1201-002779	IC-OP AMP;IML7814HS-HF,TSSOP,TP,14P,5x4.	1	SA	
...4		1203-006130	IC-POS.I.FIXED REG.;S-1172B25-U5T1G,SOT-8	1	SA	
...4		1203-007956	IC-DC/DC CONVERTER;RT6917,QFN,48P,6x6x1m	1	SNA	
...4		1203-008102	IC-POS.I.FIXED REG.;S-13A1D12-E800,HSOP,8	1	SNA	
...4		1203-008104	IC-POS.I.FIXED REG.;S-13A1D18-E800,HSOP,8	3	SNA	
...4		1203-008258	IC-DC/DC CONVERTER;SY8106RAC,QFN,20,3x3x	1	SA	
...4		1203-008667	IC-DC/DC CONVERTER;RT6936A,WQFN,40,6x6mm	1	SA	
...4		1204-003557	IC-VIDEO PROCESS;SDP1401,PBGAH,553P,23x2	1	SA	
...4		1404-001731	THERMISTOR-NTC;33Kohm,4050K,1mW/C,TP,1.6	1	SNA	
...4		1405-001381	VARISTOR;11V,8VDC,30A,1.6x0.8mm,TP,25V,5	9	SA	
...4		1405-001382	VARISTOR;24.5V,16VDC,120A,2.0x1.25mm,TP,	2	SA	
...4		1405-001391	VARISTOR;32V,5Vdc,5A,2.1x1.25mm,TP,80V,1	6	SA	
...4		2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	5	SA	
...4		2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	3	SA	
...4		2007-000063	R-CHIP;150Kohm,1%,1/10W,TP,1608	1	SA	
...4		2007-000067	R-CHIP;15Kohm,1%,1/10W,TP,1608	3	SNA	
...4		2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	8	SA	
...4		2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	SA	
...4		2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	10	SA	
...4		2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	10	SA	
...4		2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	4	SNA	
...4		2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	60	SNA	
...4		2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	4	SA	
...4		2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SNA	
...4		2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	33	SNA	
...4		2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	6	SNA	
...4		2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	SA	
...4		2007-000336	R-CHIP;120Kohm,1%,1/10W,TP,1608	1	SA	
...4		2007-000455	R-CHIP;18Kohm,1%,1/10W,TP,1608	1	SA	
...4		2007-000509	R-CHIP;2.4Kohm,1%,1/10W,TP,1608	1	SNA	

ANNEX. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...4		2007-000516	R-CHIP;2.7Kohm,1%,1/10W,TP,1608	2	SNA	
...4		2007-000536	R-CHIP;200ohm,1%,1/10W,TP,1608	1	SA	
...4		2007-000614	R-CHIP;24Kohm,1%,1/10W,TP,1608	1	SNA	
...4		2007-000669	R-CHIP;2Kohm,1%,1/10W,TP,1608,T0.45	1	SNA	
...4		2007-000869	R-CHIP;4.7Kohm,1%,1/10W,TP,1608	3	SA	
...4		2007-000962	R-CHIP;5.1Kohm,1%,1/10W,TP,1608	2	SA	
...4		2007-001125	R-CHIP;68Kohm,1%,1/10W,TP,1608	2	SA	
...4		2007-001175	R-CHIP;8.2Kohm,1%,1/10W,TP,1608	1	SA	
...4		2007-001206	R-CHIP;82Kohm,1%,1/10W,TP,1608	1	SNA	
...4		2007-001433	R-CHIP;12Kohm,1%,1/10W,TP,1608	2	SA	
...4		2007-002899	R-CHIP;10ohm,1%,1/10W,TP,1608	1	SA	
...4		2007-007139	R-CHIP;47Kohm,1%,1/16W,TP,1005,T0.35	7	SA	
...4		2007-007306	R-CHIP;100ohm,1%,1/16W,TP,1005	20	SNA	
...4		2007-007309	R-CHIP;12Kohm,1%,1/16W,TP,1005,T0.35	3	SA	
...4		2007-007431	R-CHIP;91Kohm,1%,1/10W,TP,1608	2	SA	
...4		2007-007721	R-CHIP;560ohm,1%,1/10W,TP,1608	2	SA	
...4		2007-007766	R-CHIP;2Kohm,1%,1/16W,TP,1005	10	SNA	
...4		2007-008213	R-CHIP;4.3Kohm,1%,1/16W,TP,1005	5	SNA	
...4		2007-008596	R-CHIP;0.1ohm,1%,1/4W,TP,3216	2	SC	
...4		2011-001264	R-NETWORK;10ohm,5%,1/16W,L,CHIP,8P,TP,2.	4	SNA	
...4	AD480	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608	1	SA	
...4	AD480	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
...4	AD480	2203-000425	C-CER,CHIP;0.018nF,5%,50V,C0G,TP,1005	2	SA	
...4	AD480	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,TP,1005	16	SA	
...4	AD480	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	1	SNA	
...4	AD480	2203-002711	C-CER,CHIP;100nF,10%,25V,X7R,TP,1608	3	SA	
...4	AD480	2203-005138	C-CER,CHIP;1.8nF,10%,50V,X7R,TP,1005	3	SA	
...4	AD480	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608	6	SNA	
...4	AD480	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005,0.5T	3	SNA	
...4	AD480	2203-006158	C-CER,CHIP;100nF,10%,16V,X7R,TP,1005,T0.	203	SNA	
...4	AD480	2203-006307	C-CER,CHIP;1000nF,10%,25V,X5R,TP,2012	3	SNA	
...4	AD480	2203-006324	C-CER,CHIP;2200nF,10%,10V,X5R,TP,1608	2	SA	
...4	AD480	2203-006348	C-CER,CHIP;1000nF,10%,25V,X5R,TP,1608,0.	4	SA	
...4	AD480	2203-006399	C-CER,CHIP;1000nF,10%,6.3V,X5R,TP,1005	1	SA	
...4	AD480	2203-006562	C-CER,CHIP;1000nF,10%,10V,X5R,TP,1005	24	SNA	
...4	AD480	2203-006698	C-CER,CHIP;1000nF,10%,25V,X7R,TP,1608,0.	2	SNA	
...4	AD480	2203-006824	C-CER,CHIP;4700nF,10%,10V,X5R,TP,1608	5	SNA	
...4	AD480	2203-006841	C-CER,CHIP;1000nF,10%,16V,X5R,TP,1005	1	SNA	
...4	AD480	2203-006890	C-CER,CHIP;10000nF,20%,6.3V,X5R,TP,1608	56	SNA	
...4	AD480	2203-007176	C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012,1	9	SNA	
...4	AD480	2203-007240	C-CER,CHIP;22000nF,20%,6.3V,X5R,TP,1608(68	SA	
...4	AD480	2203-007270	C-CER,CHIP;10000nF,10%,10V,X5R,TP,1608,0	22	SNA	
...4	AD480	2203-007306	C-CER,CHIP;10000nF,10%,25V,X5R,TP,2012,1	36	SNA	
...4	AD480	2203-007544	C-CER,CHIP;100nF,10%,50V,X7R,TP,1005,0.5	18	SA	
...4	AD480	2203-008315	C-CER,CHIP;22000nF,20%,25V,X5R,TP,2012,1	31	SA	
...4		2703-003713	INDUCTOR-SMD;1.5uH,20%,7366,0.015Ohm,700	2	SA	
...4		2703-003747	INDUCTOR-SMD;22uH,20%,6060,0.135ohm,1300	3	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...4		2703-003862	INDUCTOR-SMD;10uH,20%,6060,0.065ohm,1900	1	SA	
...4		2703-003913	INDUCTOR-SMD;2.2uH,20%,2520,1.2T,0.116Oh	1	SNA	
...4		2703-004199	INDUCTOR-SMD;10uH,20%,6.6x7.0mm,2.2mm,0.	1	SNA	
...4		2801-005324	CRYSTAL-SMD;27MHz,30ppm,Ceramic SMD(4pin	1	SA	
...4		2901-001362	FILTER-EMI/ESD;5.5V,0A,50pF,2.05x1.25x0.	3	SNA	
...4		3301-002039	BEAD-SMD;26ohm,1608,TP	56	SA	
...4		3601-001374	FUSE-SURFACE MOUNT;32V,5A,FAST-ACTING,PL	4	SA	
...4		3601-001376	FUSE-SURFACE MOUNT;32V,3A,FAST-ACTING,Hi	1	SNA	
...4		3708-003073	CONNECTOR-FPC/FFC/PIC;51P,0.5mm,SMD-A,AU	2	SA	
...4		3708-003176	CONNECTOR-FPC/FFC/PIC;68P,0.5mm,SMD-A,AU	2	SA	
...4	EH01	3711-008098	HEADER-BOARD TO CABLE;BOX,20P,1R,1.25mm,	1	SNA	
...4		BN41-02481A	PCB-MAIN;2016Y FHD SDC MJC,FR-4,4L,1.2T,	1	SNA	
...4		BN97-11033A	ASSY MICOM;1107-002224,K6300_49,HAWK_FTS	1	SNA	
...5		1107-002224	IC-FLASH MEM. MODULE;W25X40CLSSIG,4Mbit,	1	SNA	
..3	M0131	MD63-00103A	GASKET-TAPE;GRANDSLAM,Conductive Fabric,	3	SNA	
0.2		BN96-39212A	ASSY OPEN CELL;LSF490HN02-L,16:9,0.4T	1	SNA	
..3		BN81-07437A	A/S-ADHESIVE ACF;LSJ400HL02-E,ADHESIVE A	1	SNA	
..3		BN81-07943A	A/S-ADHESIVE ACF;LSF320AN01-A,0201-00237	1	SNA	
..3		BN81-13073A	A/S-IC DRIVER SOURCE;IC DRIVER SOURCE,LJ	1	SNA	
..3		BN81-13079A	A/S-SOURCE PCB RIGHT;SOURCE PCB RIGHT,LJ	1	SNA	
..3		BN81-13080A	A/S-SOURCE PCB LEFT;SOURCE PCB LEFT,LJ94	1	SNA	
..3		BN81-13093A	A/S-POLARIZER TFT;POLARIZER TFT,LJ01-107	1	SNA	
..3		BN81-13094A	A/S-POLARIZER CF;POLARIZER CF,LJ01-10722	1	SNA	
0.2		BN96-39740E	ASSY CHASSIS FRONT P;49K6200,PC+ABS+ED18	1	SNA	
..3		BN60-01269G	SPACER-CONDUCTIVE;49K6200,CONDUCTIVE FAB	2	SNA	
..3		BN60-01269H	SPACER-CONDUCTIVE;49K6200,CONDUCTIVE FAB	2	SNA	
..3		BN63-10118A	GASKET-TAPE;60 FLED,Conductive Fabric,T0	2	SNA	
..3		BN63-11118B	SHEET-PROTECTION COVER;Y13 SNB F8.5K,PET	2	SNA	
..3		BN63-11118F	SHEET-PROTECTION COVER;K6200,PET,T0.04,W	1	SNA	
..3		BN63-12151A	GASKET-EMI;CY-MH270BGLV1V,Conductive Fab	2	SNA	
..3	AC155	BN64-03436A	CHASSIS-FRONT;49K6200,PC+ABS+ED18%,V-1,M	1	SNA	
...4		0103-010808	RESIN PC ABS;NH-1210/K21294,BLACK,BK0007	195	SNA	
...4		BN63-11118B	SHEET-PROTECTION COVER;Y13 SNB F8.5K,PET	2	SNA	
...4		BN63-11118F	SHEET-PROTECTION COVER;K6200,PET,T0.04,W	1	SNA	
0.2		BN96-40424A	FFC CABLE;K6300,Straight,L47,68P,16Y FHD	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.

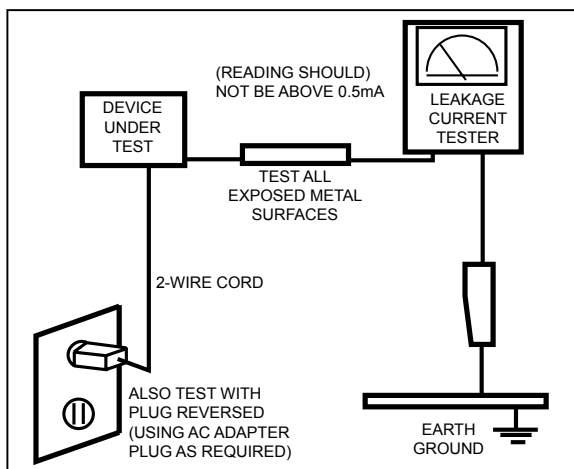
1-1-2. Servicing the LED TV

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.

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**K6372SU		
Front View	 <p>* W : Width H : High D : Depth</p>		
Detail View			
Front Color	Dark Titan		
Dimension (WxHxD)	40"	Body	916.5 x 540.6 x 89.1 mm
		with Stand	916.5 x 607.5 x 250.7 mm
	49"	Body	1102.3 x 646.4 x 104.4 mm
		with Stand	1102.3 x 712.2 x 293.0 mm
	55"	Body	1240.0 x 722.7 x 98.0 mm
		with Stand	1240.0 x 788.6 x 293.0 mm
Weight	40"	without Stand	9.0 kg
		with Stand	10.1 kg
	49"	without Stand	12.2 kg
		with Stand	13.9 kg
	55"	without Stand	15.4 kg
		with Stand	17.1 kg

2-2. Detail Specification

	Item	UE40K6372SUXXH
General Information	Product	LED
	Series	6
	Country	HUNGARY
	Platform(TV)	SoC HAWK-MF
Display	Screen Size	40"
	Screen Size (cm)	101 cm
	Resolution	1,920 × 1,080
	Quantum Dot Display	N/A
	Ultra Black	N/A
	Screen Curvature	3,000R
	10 bit Support	N/A
Video	Picture Engine	HyperReal
	Motion Rate	N/A
	PQI (Picture Quality Index)	800
	HDR (High Dynamic Range)	N/A
	Dynamic Contrast Ratio	Mega Contrast
	Micro Dimming	M/D Pro
	Precision Black (Local Dimming)	N/A
	Quantum Dot Color	N/A
	Active Crystal Color	N/A
	Wide Color Enhancer (Plus)	Yes
	PurColor	N/A
	Auto Depth Enhancer	Yes
	Contrast Enhancer	N/A
	Auto Motion Plus	Yes
	Film Mode	Yes
	Peak Illuminator	N/A
Audio	Dolby Digital Plus	Yes
	DTS Codec	Yes
	Sound Output (RMS)	20W
	Speaker Type	2CH(Down Firing + Bass Reflex)
	Woofer	N/A
	Wallmount Sound Mode	Yes
	Multiroom Link	Yes
	TV SoundConnect	Yes
	BT Headset Support	Yes
Smart TV	Samsung SMART TV	Yes

Item		UE40K6372SUXXH
Smart TV	Apps	Yes
	Games	N/A
	Cloud Game	Yes(FR,DE,ES,AT,CH)
	Billing	Yes(FR,DE,ES,CZ,SK,AT,CH,LV,LT,EE)
	Automated Content Recognition (ACR)	N/A
	Web Browser	Yes
Smart Interaction	Voice Recognition	N/A
Convergence	TV to Mobile - Mirroring	Yes
	Mobile to TV - Mirroring, DLNA	Yes
	Samsung SMART View	Yes
	Bluetooth Low Energy	Yes
	RVU	N/A
	WiFi Direct	Yes
IoT Service	TV as Hub Support	N/A
	TV as Things Support	N/A
	IoT Client Application	N/A
Tuner/Broadcasting	Digital Broadcasting	DVB-T2CS2
	Analog Tuner	Yes
	2 Tuner	N/A
	CI (Common Interface)	CI+(1.3)
	Data Broadcasting	HbbTV 1.5(FR,ES,EE,HU) / HbbTV1.0(CZ,SK,PT,DE,AT,SZ,PL,BE,NL,LU)
Connectivity	HDMI	3
	USB	2
	Component In (Y/Pb/Pr)	1
	Composite In (AV)	1 (Common Use for Component Y)
	Ethernet (LAN)	1
	Headphone	N/A
	Audio Out (Mini Jack)	N/A
	Digital Audio Out (Optical)	1
	RF In (Terrestrial / Cable input / Satellite input)	1/1(Common Use for Terrestrial)/1
	Ex-Link (RS-232C)	N/A
	CI Slot	1
	Scart	N/A
	HDMI A / Return Ch. Support	Yes
	HDMI Quick Switch	N/A
	Wireless LAN Adapter Support	N/A
	Wireless LAN Built-in	Yes
	Anynet+ (HDMI-CEC)	Yes

2. Product specifications

Item		UE40K6372SUXXH
Design	Design	FHD Slim
	Bezel Type	VNB
	Slim Type	Step-Up Slim
	Front Color	Dark Titan
	Light Effect (Deco)	N/A
	Stand Type	Quad
	Swivel (Left/Right)	N/A
Additional Feature	Instant On	Yes
	Processor	Quad-Core
	Accessibility	Enlarge/ High contrast
	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
	Connect Share™ (HDD)	Yes
	ConnectShare™ (USB 2.0)	Yes
	Embedded POP	Yes
	EPG	Yes
	Extended PVR	Yes
	Game Mode	Yes
	OSD Language	27 European Languages
	Picture-In-Picture	Yes
	BT HID Built-in	Yes
	USB HID Support	Yes
	Time Shift	Yes
	MBR Support	N/A
	Ultra Clean View	Yes
Eco Feature	Eco Sensor	Yes
	Energy Efficiency Class	A

Item		UE49K6372SUXXH
General Information	Product	LED
	Series	6
	Country	HUNGARY
	Platform(TV)	SoC HAWK-MF
Display	Screen Size	49"
	Screen Size (cm)	123 cm
	Resolution	1,920 × 1,080
	Quantum Dot Display	N/A
	Ultra Black	N/A
	Screen Curvature	3,000R
	10 bit Support	N/A
Video	Picture Engine	HyperReal
	Motion Rate	100
	PQI (Picture Quality Index)	800
	HDR (High Dynamic Range)	N/A
	Dynamic Contrast Ratio	Mega Contrast
	Micro Dimming	M/D Pro
	Precision Black (Local Dimming)	N/A
	Quantum Dot Color	N/A
	Active Crystal Color	N/A
	Wide Color Enhancer (Plus)	Yes
	PurColor	N/A
	Auto Depth Enhancer	Yes
	Contrast Enhancer	N/A
	Auto Motion Plus	Yes
	Film Mode	Yes
	Peak Illuminator	N/A
Audio	Dolby Digital Plus	Yes
	DTS Codec	Yes
	Sound Output (RMS)	20W
	Speaker Type	2CH(Down Firing + Bass Reflex)
	Woofer	N/A
	Wallmount Sound Mode	Yes
	Multiroom Link	Yes
	TV SoundConnect	Yes
	BT Headset Support	Yes
Smart TV	Samsung SMART TV	Yes
	Apps	Yes

2. Product specifications

Item		UE49K6372SUXXH
Smart TV	Games	N/A
	Cloud Game	Yes(FR,DE,ES,AT,CH)
	Billing	Yes(FR,DE,ES,CZ,SK,AT,CH,LV,LT,EE)
	Automated Content Recognition (ACR)	N/A
	Web Browser	Yes
Smart Interaction	Voice Recognition	N/A
Convergence	TV to Mobile - Mirroring	Yes
	Mobile to TV - Mirroring, DLNA	Yes
	Samsung SMART View	Yes
	Bluetooth Low Energy	Yes
	RVU	N/A
	WiFi Direct	Yes
IoT Service	TV as Hub Support	N/A
	TV as Things Support	N/A
	IoT Client Application	N/A
Tuner/Broadcasting	Digital Broadcasting	DVB-T2CS2
	Analog Tuner	Yes
	2 Tuner	N/A
	CI (Common Interface)	CI+(1.3)
	Data Broadcasting	HbbTV1.0
Connectivity	HDMI	3
	USB	2
	Component In (Y/Pb/Pr)	1
	Composite In (AV)	1 (Common Use for Component Y)
	Ethernet (LAN)	1
	Headphone	N/A
	Audio Out (Mini Jack)	N/A
	Digital Audio Out (Optical)	1
	RF In (Terrestrial / Cable input / Satellite input)	1/1(Common Use for Terrestrial)/1
	Ex-Link (RS-232C)	N/A
	CI Slot	1
	Scart	N/A
	HDMI A / Return Ch. Support	Yes
	HDMI Quick Switch	N/A
	Wireless LAN Adapter Support	N/A
	Wireless LAN Built-in	Yes
	Anynet+ (HDMI-CEC)	Yes
Design	Design	FHD Slim

Item		UE49K6372SUXXH
Design	Bezel Type	VNB
	Slim Type	Step-Up Slim
	Front Color	Dark Titan
	Light Effect (Deco)	N/A
	Stand Type	Quad
	Swivel (Left/Right)	N/A
Additional Feature	Instant On	Yes
	Processor	Quad-Core
	Accessibility	Enlarge/ High contrast
	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
	Connect Share™ (HDD)	Yes
	ConnectShare™ (USB 2.0)	Yes
	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	Yes
	USB HID Support	Yes
	Time Shift	N/A
	MBR Support	N/A
	Ultra Clean View	Yes
Eco Feature	Eco Sensor	Yes
	Energy Efficiency Class	A+

2. Product specifications

Item		UE55K6372SUXXH
General Information	Product	LED
	Series	6
	Country	HUNGARY
	Platform(TV)	SoC HAWK-MF
Display	Screen Size	55"
	Screen Size (cm)	138 cm
	Resolution	1,920 × 1,080
	Quantum Dot Display	N/A
	Ultra Black	N/A
	Screen Curvature	4,200R
	10 bit Support	N/A
Video	Picture Engine	HyperReal
	Motion Rate	100
	PQI (Picture Quality Index)	800
	HDR (High Dynamic Range)	N/A
	Dynamic Contrast Ratio	Mega Contrast
	Micro Dimming	M/D Pro
	Precision Black (Local Dimming)	N/A
	Quantum Dot Color	N/A
	Active Crystal Color	N/A
	Wide Color Enhancer (Plus)	Yes
	PurColor	N/A
	Auto Depth Enhancer	Yes
	Contrast Enhancer	N/A
	Auto Motion Plus	Yes
	Film Mode	Yes
	Peak Illuminator	N/A
Audio	Dolby Digital Plus	Yes
	DTS Codec	Yes
	Sound Output (RMS)	20W
	Speaker Type	2CH(Down Firing + Bass Reflex)
	Woofer	N/A
	Wallmount Sound Mode	Yes
	Multiroom Link	Yes
	TV SoundConnect	Yes
	BT Headset Support	Yes
Smart TV	Samsung SMART TV	Yes
	Apps	Yes

Item		UE55K6372SUXXH
Smart TV	Games	N/A
	Cloud Game	Yes(FR,DE,ES,AT,CH)
	Billing	Yes(FR,DE,ES,CZ,SK,AT,CH,LV,LT,EE)
	Automated Content Recognition (ACR)	N/A
	Web Browser	Yes
Smart Interaction	Voice Recognition	N/A
Convergence	TV to Mobile - Mirroring	Yes
	Mobile to TV - Mirroring, DLNA	Yes
	Samsung SMART View	Yes
	Bluetooth Low Energy	Yes
	RVU	N/A
	WiFi Direct	Yes
IoT Service	TV as Hub Support	N/A
	TV as Things Support	N/A
	IoT Client Application	N/A
Tuner/Broadcasting	Digital Broadcasting	DVB-T2CS2
	Analog Tuner	Yes
	2 Tuner	N/A
	CI (Common Interface)	CI+(1.3)
	Data Broadcasting	HbbTV1.0
Connectivity	HDMI	3
	USB	2
	Component In (Y/Pb/Pr)	1
	Composite In (AV)	1 (Common Use for Component Y)
	Ethernet (LAN)	1
	Headphone	N/A
	Audio Out (Mini Jack)	N/A
	Digital Audio Out (Optical)	1
	RF In (Terrestrial / Cable input / Satellite input)	1/1(Common Use for Terrestrial)/1
	Ex-Link (RS-232C)	N/A
	CI Slot	1
	Scart	N/A
	HDMI A / Return Ch. Support	Yes
	HDMI Quick Switch	N/A
	Wireless LAN Adapter Support	N/A
	Wireless LAN Built-in	Yes
	Anynet+ (HDMI-CEC)	Yes
Design	Design	FHD Slim

2. Product specifications

Item		UE55K6372SUXXH
Design	Bezel Type	VNB
	Slim Type	Step-Up Slim
	Front Color	Dark Titan
	Light Effect (Deco)	N/A
	Stand Type	Quad
	Swivel (Left/Right)	N/A
Additional Feature	Instant On	Yes
	Processor	Quad-Core
	Accessibility	Enlarge/ High contrast
	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
	Connect Share™ (HDD)	Yes
	ConnectShare™ (USB 2.0)	Yes
	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	Yes
	USB HID Support	Yes
	Time Shift	N/A
	MBR Support	N/A
	Ultra Clean View	Yes
Eco Feature	Eco Sensor	Yes
	Energy Efficiency Class	A+

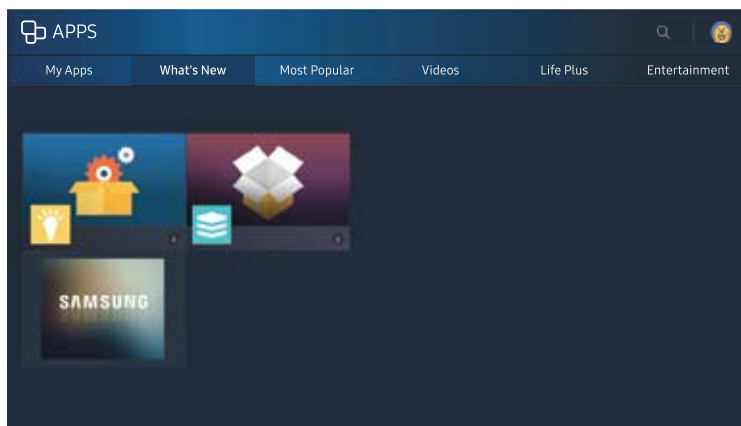
2-3. NEW Key Features

2-3-1. 16" New UI

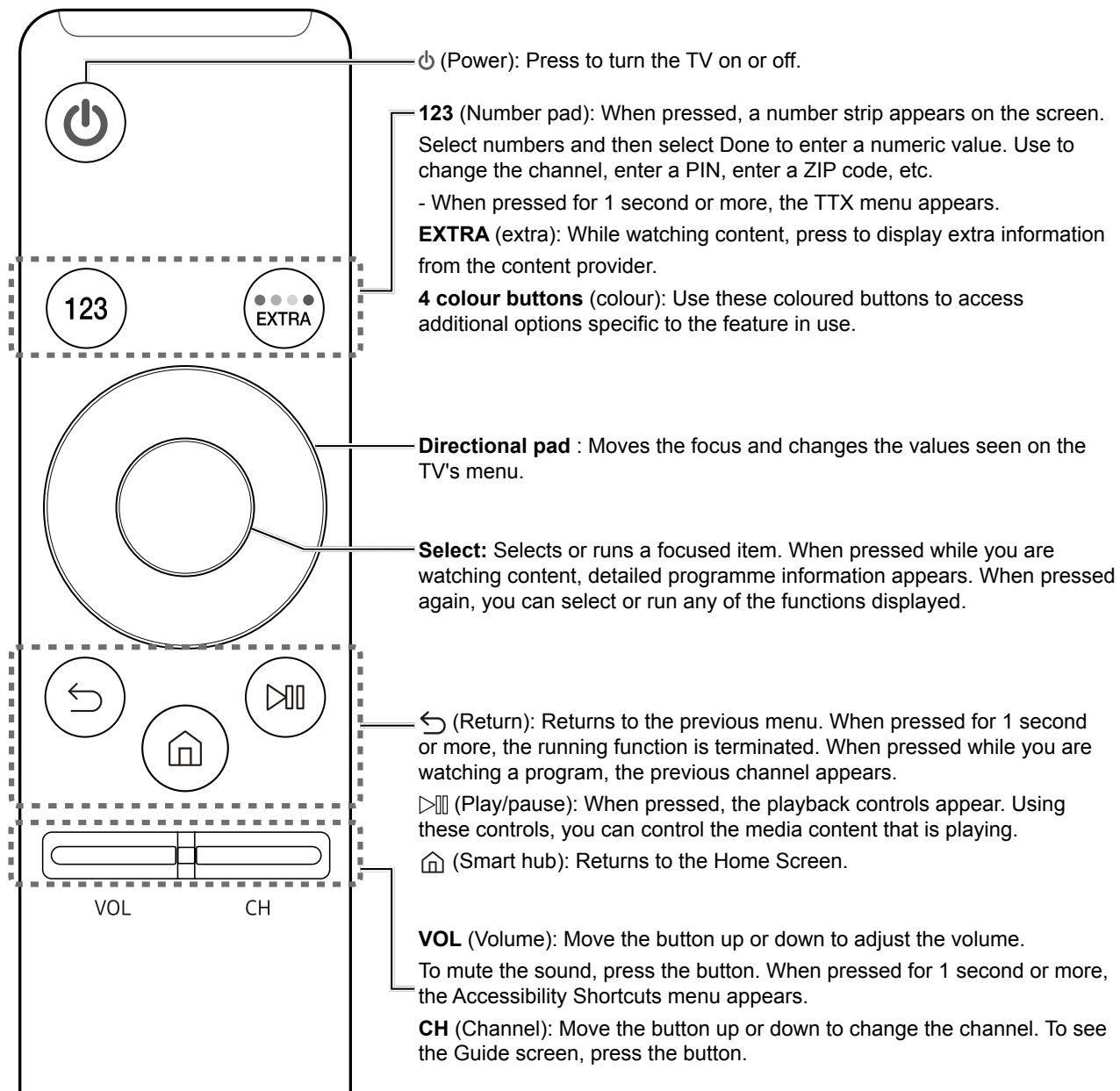
■ Smart Hub



■ APPS Service



2-4. Samsung Smart Remote



2-5. Supported Formats

2-5-1. Supported image formats and resolutions

File Extension	Type	Resolution
*.jpg *.jpeg	JPEG	15360x8640
*.png	PNG	4096x4096
*.bmp	BMP	4096x4096
*.mpo	MPO	15360x8640

2-5-2. Supported music formats and codecs

File Extension	Type	Codec	Note
*.mp3	MPEG	MPEG1 Audio Layer 3	-
*.m4a *.mpa *.aac	MPEG4	AAC	
*.flac	FLAC	FLAC	Supports up to two channels.
*.ogg	OGG	Vorbis	Supports up to two channels.
*.wma	WMA	WMA	WMA 10 Pro supports up to 5.1 channels. WMA lossless audio is not supported. Supports up to M2 profile.
*.wav	wav	wav	
*.mid *.midi	midi	midi	Supports type 0 and type 1. Seek is not supported. Supports USB device only.
*.ape	ape	ape	
*.aif *.aiff	AIFF	AIFF	
*.m4a	ALAC	ALAC	

2-5-3. Supported video codecs

File Formats	Container	Video Codecs	Resolution	Frame rate (fps)	Bit rate (Mbps)	Audio Codec
*.avi *.mkv *.asf *.wmv *.mp4 *.mov *.3gp *.vro *.mpg *.mpeg *.ts *.tp *.trp *.mov *.flv *.vob *.svi *.m2ts *.mts *.divx	AVI MKV ASF MP4 3GP MOV FLV VRO VOB PS TS SVAF	H.264 BP/MP/HP	1920x1080	60	20	Dolby Digital LPCM ADPCM(IMA, MS) AAC HE-AAC WMA Dolby Digital Plus MPEG(MP3) DTS(Core, LBR) G.711(A-Law, μ -Law)
		HEVC(H.265 - Main Profile only)		30		
		Motion JPEG		60		
		MVC		30		
		DivX 3.11 / 4 / 5 / 6		30		
		MPEG4 SP/ASP		30		
		Window Media Video v9 (VC1)		30		
		MPEG2		30		
		MPEG1		30		
		Microsoft MPEG-4 v1, v2, v3		30		
		Window Media Video v7 (WMV1), v8 (WMV2)		30		
		H.263 Sorrenson		30		
		VP6		30		
*.webm	WebM	VP8		60		Vorbis

Other Restrictions



NOTE

- Codecs may not function properly if there is a problem with the content data.
- Video content does not play or does not correctly if there is an error in the content or container.
- Sound or video may not work if they have standard bit rates/frame rates above the TV's compatibility ratings.
- If the Index Table is wrong, the Seek(Jump) function does not work.
- When playing video over a network connection, the video may not play smoothly because of data transmission speeds.
- Some USB/digital camera devices may not be compatible with the player.
- HEVC codec is only available in MKV / MP4 / TS containers.

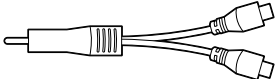
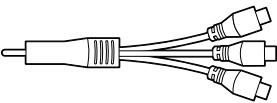
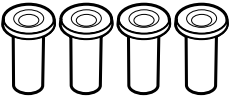
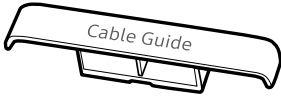

2-6. Accessories



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	Code. No	Product	Code. No
• Smart Touch Control	BN59-01259B	• User Manual	BN68-07871D
• Batteries (AA x 2)	4301-000101	• Regulatory Guide	BN68-04972E
• Power Cord	40" : 3903-001118 49" : 3903-000950 55" : 3903-000950	• Warranty Card	BN68-03548J

Image	Product	Code. No
	• Component In	BN39-02190A
	• AV IN Adapter	BN39-02189A
	• Wall Mount Adapter x 4EA	BN61-13518A
	• Cable Guide	BN61-13777A
	• CI Card Adapter	3709-001791

4. Troubleshooting

4-1. How to Check Fault Symptom

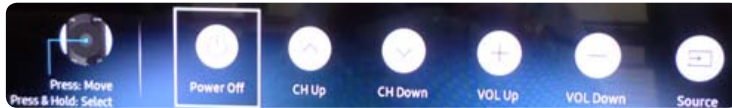
4-1-1. Power

■ TV POWER STANDBY

1. TV in Standby
 - √ **Standby LED Indicator**
2. If Not Lit:
 - √ AC 120Vac Line
3. If missing:
 - √ 120Vac Source and Power Cord
4. If OK:
 - √ Resistance on SMPS **Fuse** after first removing AC power cord.
5. If fuses are open replace SMPS.
6. If fuses are OK:
 - √ **Standby: A13V** (Always On) to Main Board. Should all be approx. 9 VDC
7. If any missing remove the SMPS connector to Main Board .
 - √ Standby A13V again for 9VDC.
 - If OK replace **Main Board**.
 - If still missing replace **SMPS**.

■ FUNCTION/IR Control

1. TV in Standby
 - ✓ **LED Status**
2. If **LED** is **OFF**
 - ✓ LED 1.7Vdc (pin 8) and VCC for 3.3Vdc (pin 3)
 - If missing suspect Function Assy/Cable/Main board.
3. If **LED** is **ON**
 - ✓ Switch Operation activates on screen display.

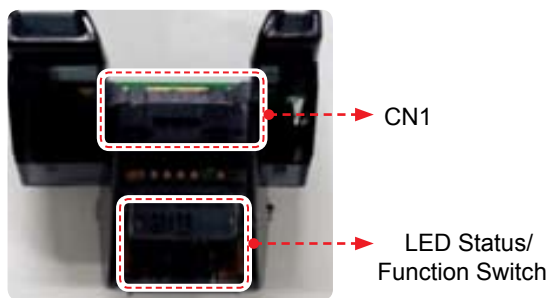


<On Screen Selections with Function Control>

If missing:

- **Key_Input1 Pin 6** change to 0V with a command.
- If wrong voltage or no change: Switch for stuck or miss-operation.

Function/IR

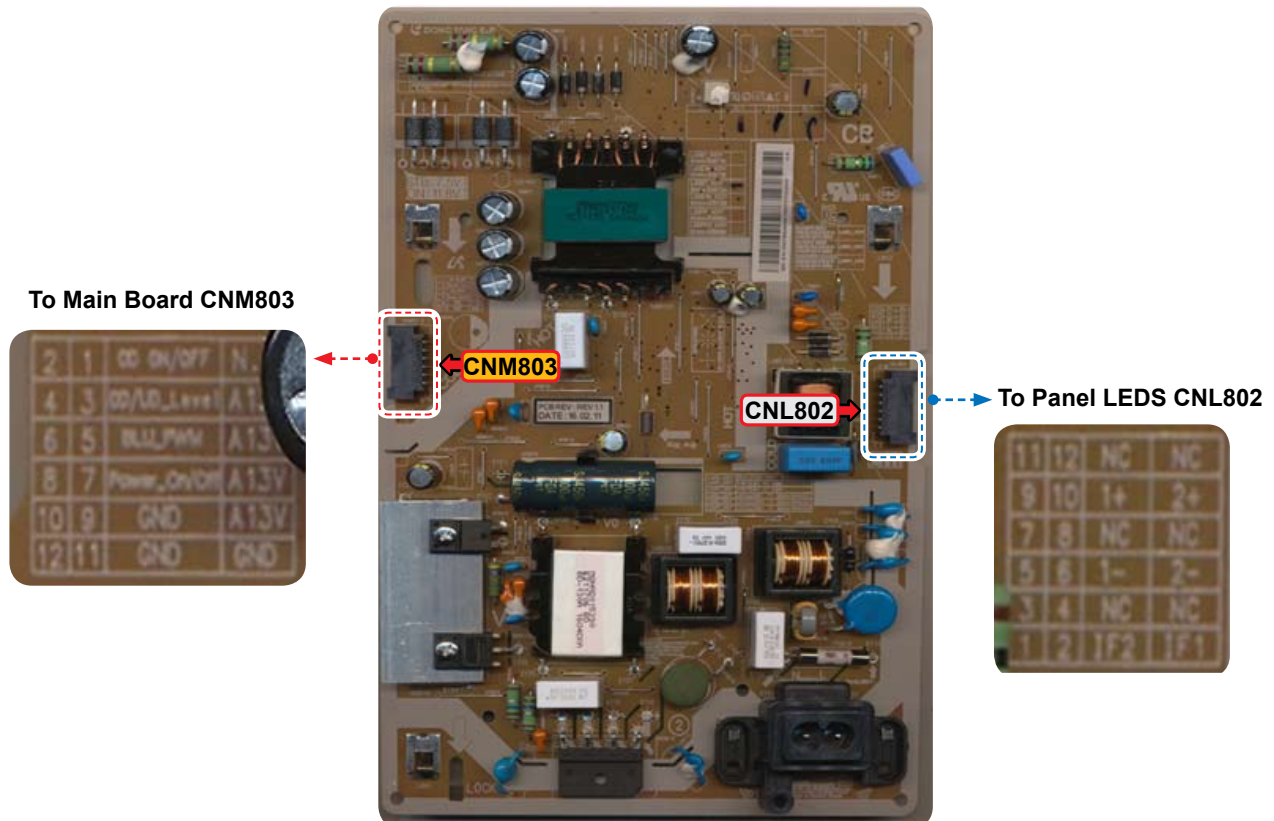


CN1 (FUNCTION/IR)			
1	IR 3.3Vdc to 2.5Vdc (Effective DC)	2	GND
3	A3.3V_PW	4	AMP_SCL_I2C 3.3Vdc (effective DC)
5	AMP_SDA_I2C 3.3 Vdc (effective DC)	6	KEY_INPUT1 1.8dc to 0V with PWR On command
7	KEY_INPUT2 1.8Vdc to command Voltage	8	LED_STB_OUT 1.7Vdc STBY

4. Check **IR** operation with Standard Remote command changes. (3.3V to 2.5V effective DC)
5. **SDA, SCL** for effective 3.3Vdc (after power on)
6. If missing suspect Function Assy/Cable Assy./Main Assy.

■ SMPS POWER

1. **A13V** Standby to Main Board: Approx 9Vdc
2. **Power_On/Off: 3.3Vdc** Power ON/OFF
3. **A13V**: to steady 12.7 Vdc
4. **OD/UD : 3.3Vdc** Over & Under Drive
5. **BLU_PWM: .9V~3.3Vdc** also labeled "BLU On/Off" Backlight On/Off & Backlight (PWM signal) Level Control.



■ BACKLIGHTS



1. Activate Backlights Test:

- Disconnect Lead Cable from Main Board to Power Supply. (CN202)
- ✓ TV Screen for active backlight LEDs.

2. If NO BACKLIGHTS

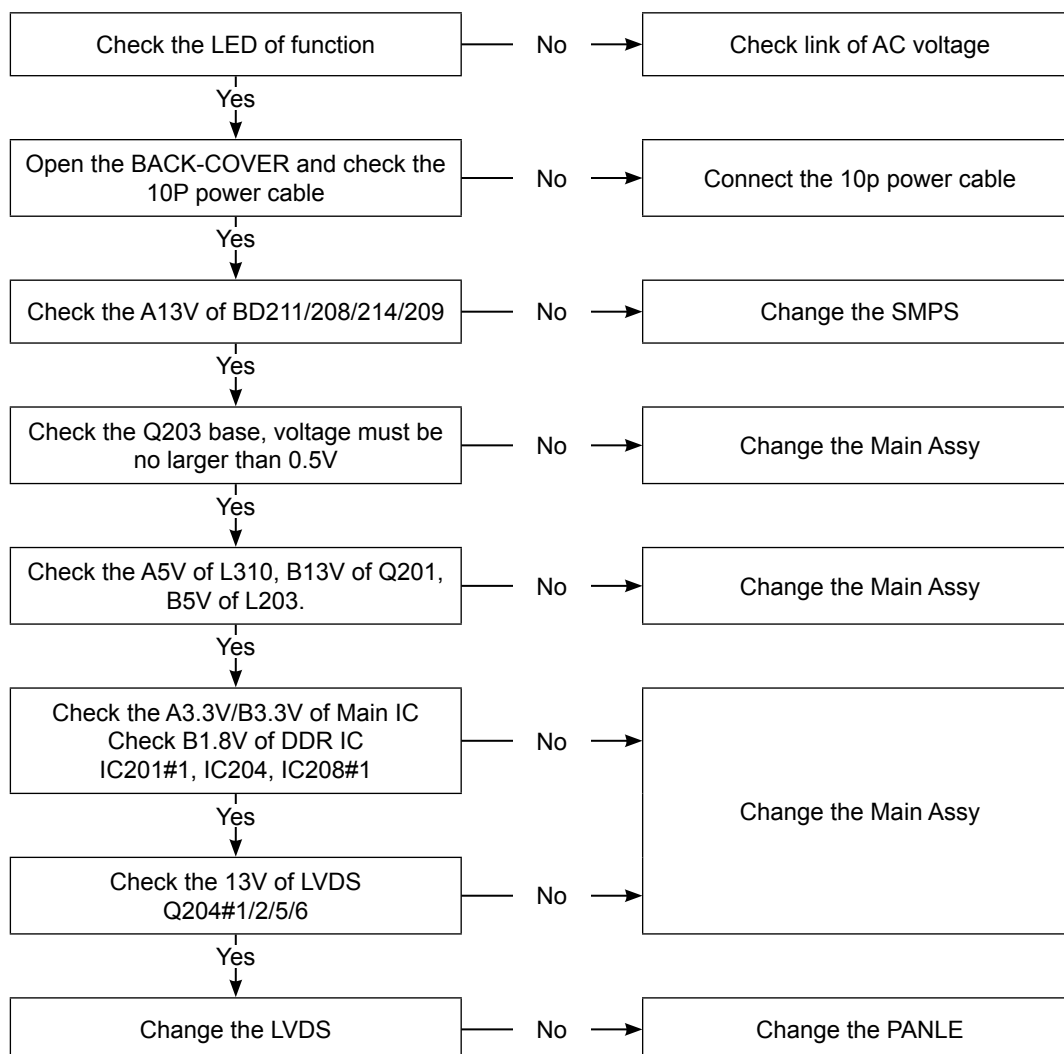
- ✓ Plus (+) & Minus (-) pin voltages on the Panel Connector.
- If no pin voltages replace **SMPS**.
- If voltages exist but no backlight:
- ✓ The highest pin voltage (**BL Drive Supply**)
- **Remove Panel connector** and measure again to compare.
- **If the voltage was high** and stays the same high reading a string of Panel LEDs are open. Replace the **Panel**.
- If the **voltage was low** and remains low the **SMPS** is defective.
- If the voltage was low and goes high a string of panel LEDs are shorted replace the **Panel**.

For BACKLIGHT DIMMING PROBLEMS:

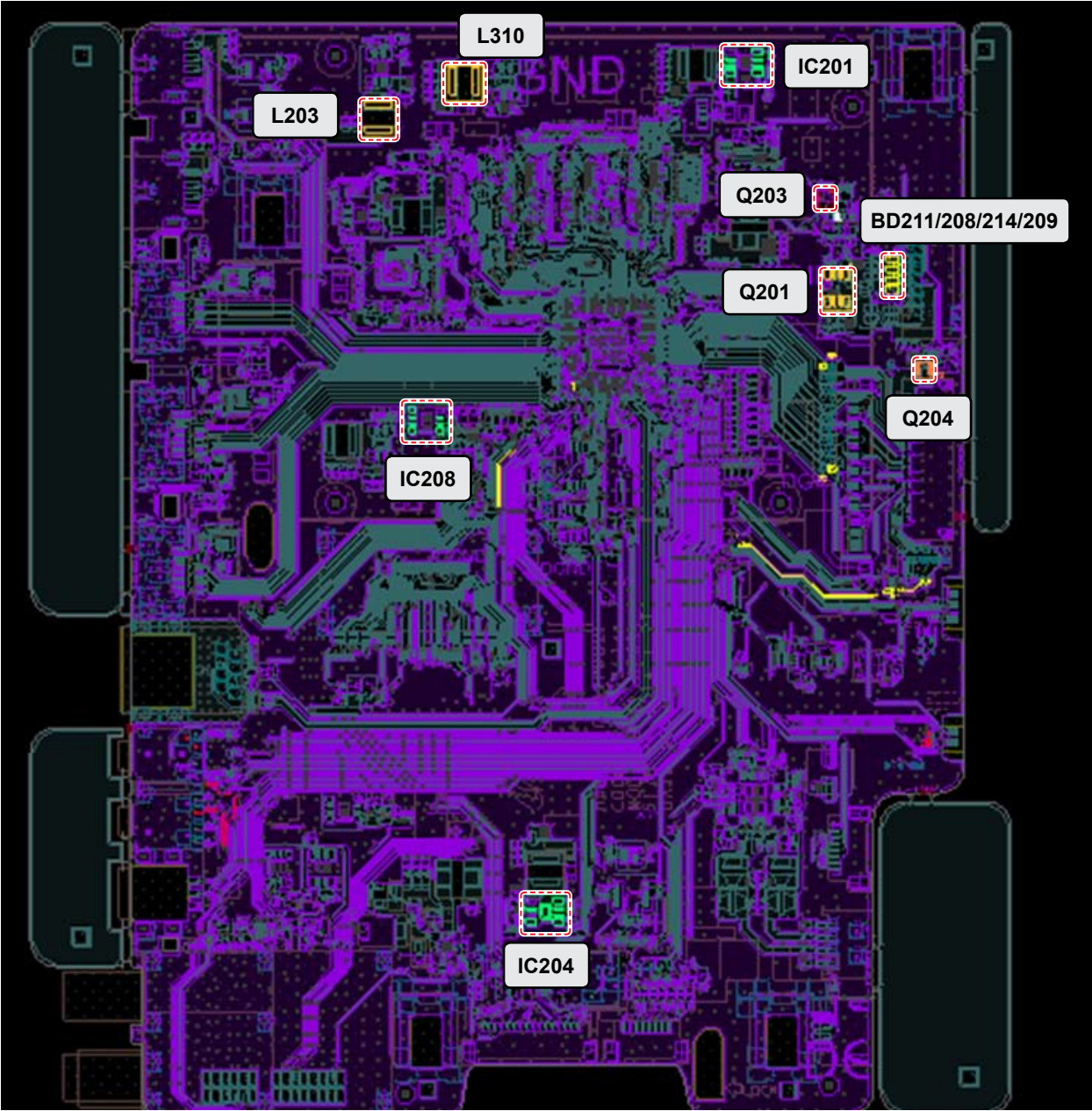
- Go to **Menu** → **Picture** → **Backlight** and vary level (0 – 20)
- If no backlight changes observed:
 - ✓ Panel Connector pin voltages and BLU_PWM voltages (CNM801) while changing backlight level.
- If Panel voltages don't change, and BLU_PWM changes, replace **SMPS**.
- If BLU_PWM doesn't change replace **Main/T-Con Board**.

4-1-2. MAIN

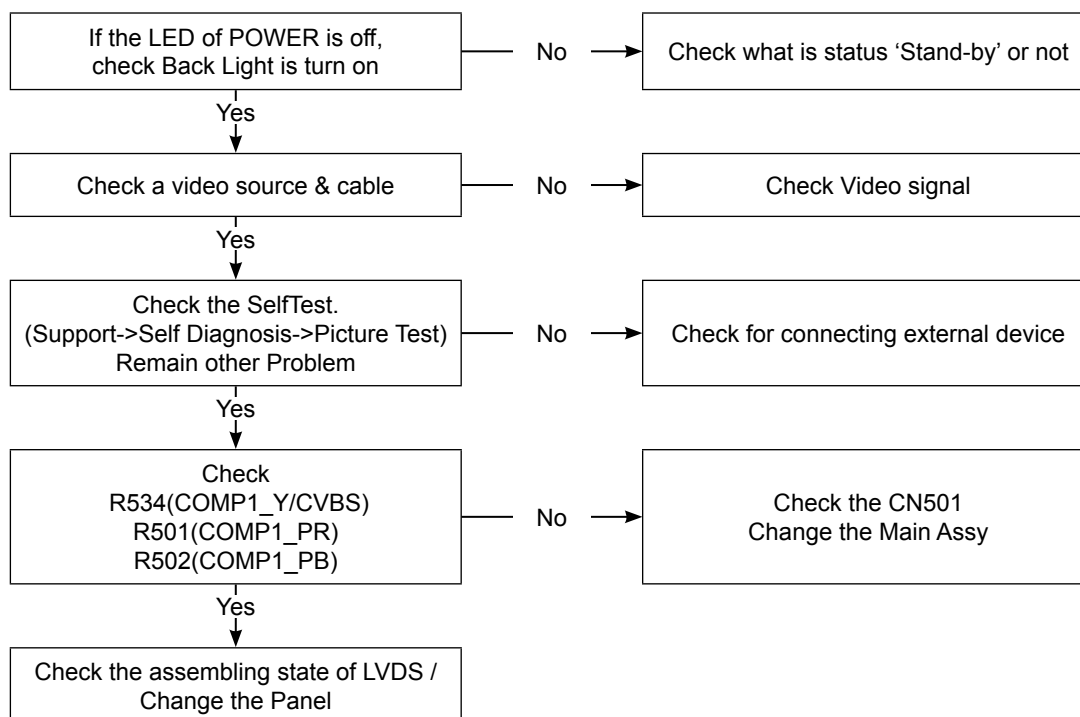
■ No power & no picture



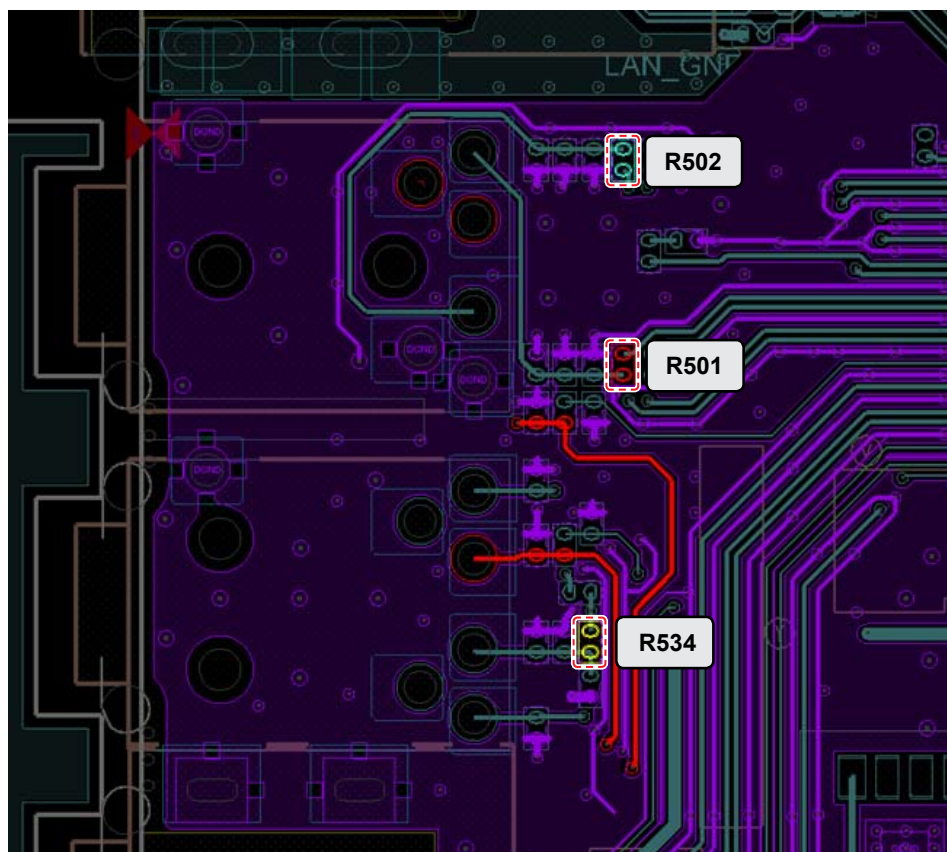
■ Location of Parts



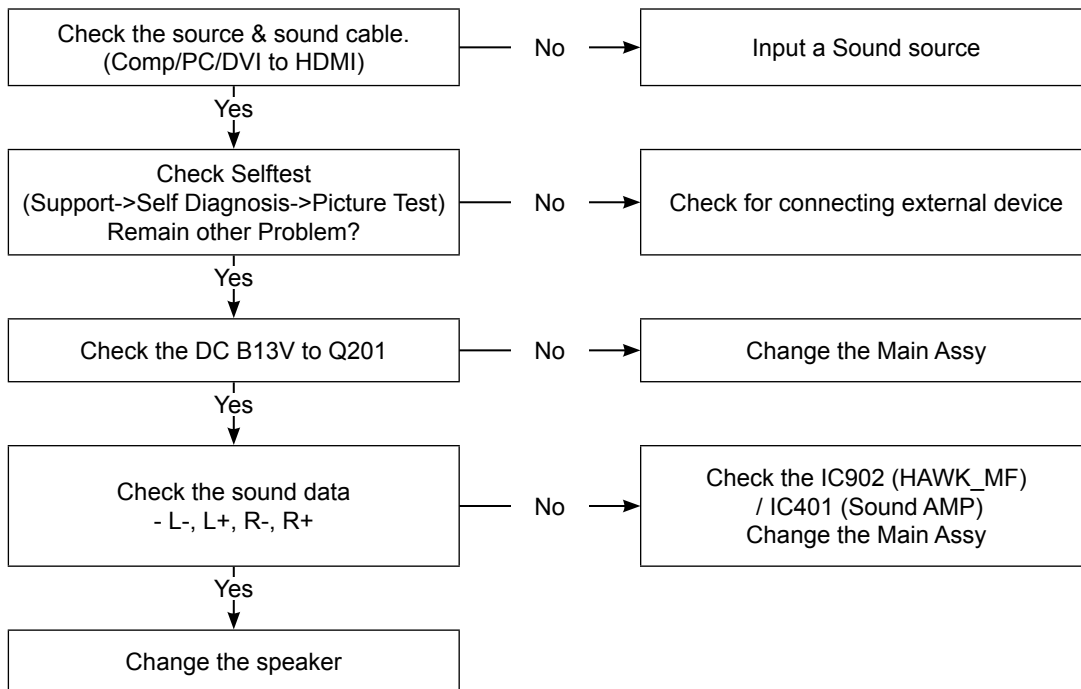
■ No picture (COMPONENT)



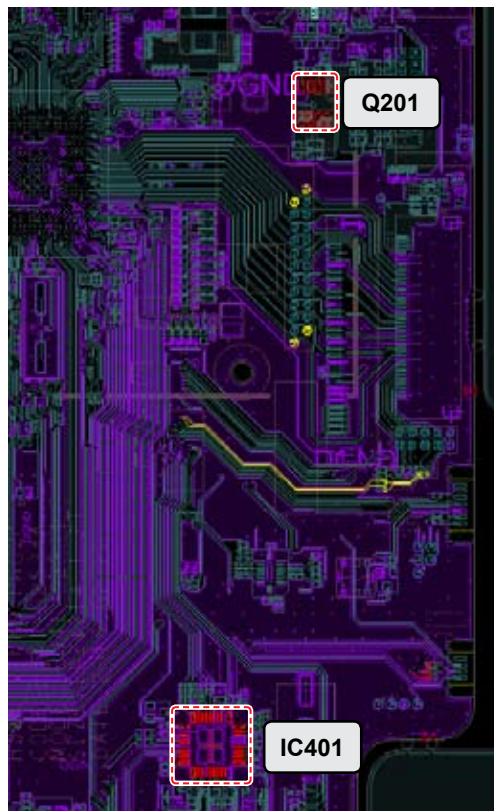
■ Location of Parts



■ No sound



■ Location of Parts



4-1-3. Video

■ MAIN / T-CON Board

1. Main Board Section



Video Operation : **Generated on Main Section.**

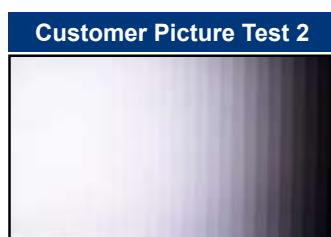
1. If OK:

- ✓ Source & Input Cables.
- ✓ Other inputs.
- ✓ One Connect Cable/Box.

2. If Noisy:

- ✓ T-CON Section Test Patterns.

2. PRE FRC of T-CON Section



Video Operation : **Generated at Pre FRC, of T-CON Section.**

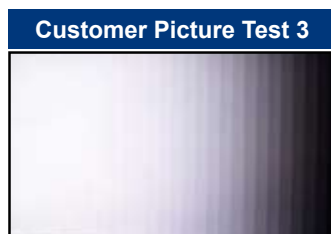
1. If OK:

- ✓ Main Section.

2. If Noisy:

- ✓ Post FRC Pattern.

3. POST FRC of T-CON Section



Video Operation : **Generated at Post FRC of T-CON Section.**

1. If OK:

- ✓ Main / T-CON Board (defective).

2. If Noisy:

- ✓ Mute - 369 - Mute.

4. T-CON Section



NOTE

May not be available for Larger models over 70 inches.

Video Operation : **Generated at T-CON Section.**

1. If OK:

- ✓ Main / T-CON Board (defective).

2. If Noisy:

- ✓ Main / T-CON Board.

■ PANEL

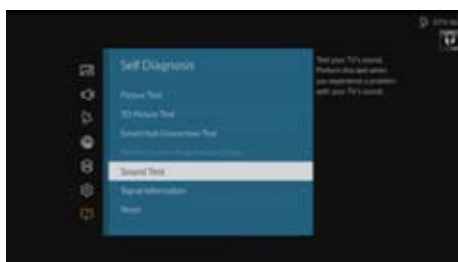


3. If Noisy:

- ✓ Panel (defective).

4-1-4. Audio

■ AUDIO TEST



Source

- **No TV Sound**
 - ✓ Menu → Audio → Speaker Settings set to **TV Speaker**
- **Noisy / Distorted TV Audio**
 - ✓ Customer Menu → Support → **Sound Test**
- **If **Sound Test** FAILS : (Missing / Noisy Audio)**
 - ✓ Speakers (compare resistance/quality)
 - Compare audio level out to speakers with multi meter.
 - ✓ Replace defective Speakers or Main Board or Cable.
- **IF **Sound Test** OK :**
 - ✓ Audio Source & External Cables.
 - ✓ With external Audio Generator (device or App).
 - ✓ Other Inputs.
 - ✓ One Connect Mini.
- **Optical Digital Out Errors**
 - ✓ Red light from Optical Digital Out.
 - If missing replace One Connect Mini
- **No HDMI Audio**
 - ✓ Source / HDMI Cable & One Connect Mini Connectors.
 - Swap with other HDMI Inputs/Sources.
 - Perform **EDID Write** in Factory Mode (Can restore missing HDMI Audio).
 - ✓ Bulletins and Latest firmware on TV.
 - If not restored replace One Connect Mini/Main.
 - Check Audio Format PCM/Dolby based on external Receiver.
- **ARC Issues**
 - ✓ HDMI Cable is input to the ARC Designated HDMI port.
 - ✓ ARC (HDMI Control) is enabled on the external Receiver.
- **Bluetooth Audio "**Sound Share**" Connection Issues**
 - ✓ Sound Bar is in TV Mode.
 - To Connect, Press & Hold Play Button until Sound Bar pairing mode begins.

4-1-5. Network

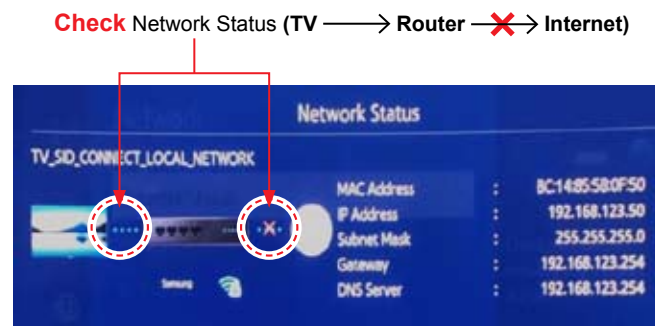


■ TV to Router "Failure"



- **Wired & Wireless MAC Address** in Customer Support Menu.
 - ✓ **No Wired MAC Address:** Replace Main Board.
 - ✓ **No Wireless MAC Address:** Module cabling & voltages from Main Board.
 - ✓ If operating voltages are OK but signal missing.
 - Replace WiFi Module (WiFi/Bluetooth Module).
- Proper **security passcode**
 - ✓ Check Wi-Fi signal strength at TV (use WiFi Analyzer or similar App).
 - Try another source (Hot spot or Test Router).
 - ✓ Check related Bulletins.
 - ✓ Check **Factory Mode** → **SVC** → **Info** → **WiFi Error Count** (replace module for high error counts).

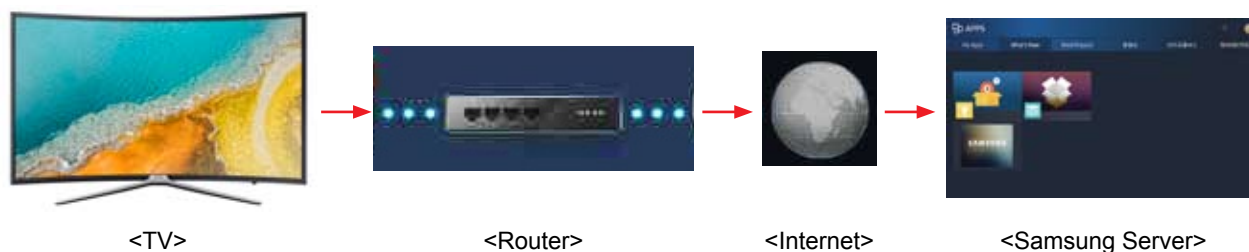
■ Router to Network "Failure"



- Instruct the customer the TV has proper connection to the router and is likely OK.
 - ✓ Check other devices using network are OK. If they test OK this does not mean the TV should be working.
- Try another source (Hotspot) to test/show TV Network operation.

4-1-6. Smart Hub

Go to [Menu > Support > Self Diagnosis > Smart Hub Connection Test](#)



1. Network / Gateway

- **If it Fails:**
 - ✓ TV to Router Connection Test in "[Network Trouble shooting](#)"

2. DNS Test

- **If it Fails:**
 - ✓ DNS setting in "[Network Settings](#)"
- **If DNS is set manually:**
 - ✓ Settings are correct (may be set to 8.8.8.8 to prevent Netflix issues)
- **If it still fails:**
 - ✓ DNS Test with setting to Auto Mode
- If it fails both Manual & Auto problem is ISP or Router.

3. ISP Blocking

- **If it Fails:**
 - ✓ Internet Service Provider is Active.
 - ✓ With DNS setting at 8888.
 - ✓ With Hot Spot.

4. Samsung Server Test

- **If it Fails:**
 - ✓ Network Status.
- **If OK:**
 - ✓ Reset Smart Hub.
 - ✓ Terms of Agreement are accepted.

5. Samsung Apps

- **If it Fails:**
 - ✓ Reset Smart Hub.
 - ✓ Samsung Apps load correctly.
 - ✓ Perform "[Apps Reset](#)" in Factory Mode.
 - ✓ Go to Smart Hub and complete Terms of Agreement and set up information.
 - ✓ Samsung Apps load correctly.
 - ✓ Before selecting an App, allow Apps to load or failure will occur.

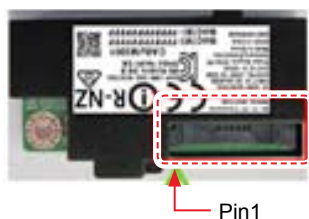
For Netflix Operation/Connection Issues:

- Check Certificate & Netflix ESN Status in Factory Mode.
 - If Certificate and ESN exists, "**CO**", "**Nfo**", change the **DNS** to **8.8.8.8**
 - If Certificate is missing, "**C**" replace the TV's Main Board.
 - If ESN number is missing: **NF**/ do not replace the Main Board.
 - Reset TV Clock and check for correct Time & Date. Netflix relies on correct settings.
 - Reset Smart Hub. / Reset Apps In Factory Mode.

For Streaming Issues:

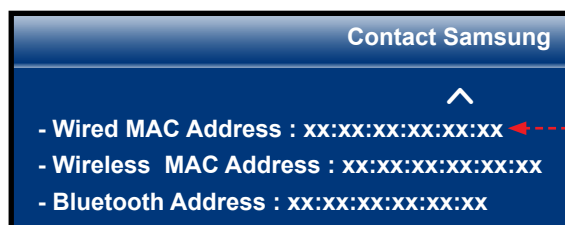
- Go to TV Web Browser / Go to speedof.me / testmy.net
 - ✓ **Check Speed** for at least 5 Mbps(HD streaming) / 25 Mbps (4K Streaming).
 - ✓ **Check Latency** for less than 50ms.

4-1-7. Bluetooth / WiFi Module



	Signal	I/O	Description	Voltage	Active High/Low	Pull up/down
BT	BT_Reset	I	BT Block Reset	3.3	Active Low	Module Pull up
	Power DET	I	Power detect	3.3	TV on : High, TV Off : Low	-
	BT_wake up	O	BT Wake up	3.3	Pulse(wakeup reason pulse)	Module Pull up
	GND	GND	Ground	GND	-	-
	USB DM	I/O	BT USB interface	USB	-	-
	USB DP	I/O	BT USB interface	USB	-	-
	GND	GND	Ground	GND	-	-
	3D_sync_in	I	3D sync input	3.3	Pulse(Panel V sync)	
WIFI	Wifi_USB_suspend	I	WiFi USB PHY On/Off Ctrl	3.3	USB PHY On : High, USB PHY Off : Low	NC (Pull up)
	GND	GND	Ground	GND	-	-
	USB DP	I/O	WiFi USB interface	USB	-	-
	USB DM	I/O	WiFi USB interface	USB	-	-
	GND	GND	Ground	GND	-	-
	VCC	I	5V Power	5	-	-
	Wake up	O	WiFi Wake up	3.3	Pulse(wakeup reason pulse)	Module Pull up
	Reset	I	WiFi Block Reset	3.3	Active Low	Module Pull up

Go to [Menu > Support > Contact Samsung](#)



Missing or Error : Replace **Main Board**.

- If **Bluetooth Address** or **Wireless MAC Address** are missing or errors exist.
- BT & Wi-Fi Connector Voltages.
 - If Voltages are OK but no BT or Wi-Fi Signals voltage(s), replace defective Module.

4-2. Factory Mode Adjustments

4-2-1. Entering Factory Mode

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

■ Factory Remote

1. Power TV ON.
2. Select TV Source.
3. **Info** → **Factory**.
4. Use **MENU** for return.

■ Samsung IR Remote (Limited Operation)

1. TV Power Standby.
2. Press as follows.
 - Remote Button : **INFO** → **MENU** → **MENU** → **Power ON**
 - **Option** (must set Option Bytes when replacing Main Board.)
 - Option → **Factory Reset** (returns TV to out of box condition. Does not reset Apps.)
 - SVC → **Test Patterns**
 - SVC → Info → **ER Count** (Important to check for errors.)
 - Resets to 0 with Factory Reset.

First Screen Appearing in Factory Mode (SAMPLE)

Option	Content	Checkmark	Description
Control	T-HKMFKEUC_-xxxx (T-HKMFKABC-**** : AG****)	✓	Micom SW Version
Debug	T-HKMFKEUS_-xxxx	✓	Sub Micom SW Version
SVC	tztv-2.4-main2016-hawk-m-fhd_2016*****		
ADC/WB	BT Version : xxxx		
Advanced	E-Manual : ----		
	Camera Version : Not Support		
	Blaster Version :Not Support		
	E-POP Version :HAWKMFD-****.**		
	EDID SUCCESS		
	HDCP SUCCESS		
	CALIB : AV/COMP/PC/HDMI/		
	Option : xxxx,xxxx,6379,NONE		
	DTCP Not Support		
	TCON Version : ----		
	Model : *****		
	Wired MAC SUCCESS	✓	Wired MAC (Status)
	Wireless MAC SUCCESS	✓	Wireless MAC (Wi-Fi Module)
	WIFI : ***** (3.0.7.107)		
	CO Nf/W/M/D/HO P / AO O S / M RO SC SiX	✓	CO NFO WO. etc.
	Factory Data Ver : 126 EERC Version :		<ul style="list-style-type: none"> • Certificate • Netflix • Wide Vine • etc. Status
	CPLD/HD :N/A		
	SmartControl : ****		
	Date of purchase : mm/dd/yyyy		

4-2-2. 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**".

■ UE40K6372SUXXH

Inches		40"
		FA01
PANEL	Vendor	SDC
	Code	BN95-02615A
	Spec.	CY-VK040BGLV1V/H
SMPS BOARD	Vendor	DYREL
	Code	BN44-00871A
	Spec.	L40E1_KDY
MAIN BOARD	Chassis Ass'y	BN91-17373F
	PBA Ass'y	BN94-10994X
Byte	Item	
0	Factory Reset	-
1	Type	40A6AFARK
2	Local set	EU
3	SW Model	UK6300
4	BOM Model	6372
5	Tuner	-
6	Ch table	NONE
7	Front Color	U-S-K63-40

■ UE49K6372SUXXH

Inches		49"	
		FA01	FB02
PANEL	Vendor	SDC	SDC
	Code	BN95-02618A	BN95-02618A
	Spec.	CY-VK049BGLV1V/H	CY-VK049BGLV1V/H
SMPS BOARD	Vendor	DYREL	SOLUM
	Code	BN44-00872A	BN44-00872C
	Spec.	BN94-10997C	L55E1_KSM
MAIN BOARD	Chassis Ass'y	BN91-17270F	BN91-17270F
	PBA Ass'y	BN94-10997C	BN94-10997C
Byte	Item		
0	Factory Reset	-	
1	Type	49A6AFARK	
2	Local set	EU	
3	SW Model	UK6300	
4	BOM Model	6372	
5	Tuner	-	
6	Ch table	None	
7	Front Color	U-S-K63-49	

■ UE55K6372SUXXH

Inches		55"			
		FA01	AA02	FB03	AB04
PANEL	Vendor	LCD	AUO	SDC	AUO
	Code	BN95-02625A	BN95-02621A	BN95-02625A	BN95-02621A
	Spec.	SDC;CY-VK055BGLV1V/H	CY-VK055BGAV1V/H	CY-VK055BGLV1V/H	CY-VK055BGAV1V/H
SMPS BOARD	Vendor	DYREL	DYREL	SOLUM	DYREL
	Code	BN44-00872A	BN44-00872A	BN44-00872C	BN44-00872C
	Spec.	L55E1_KDY	L55E1_KDY	L55E1_KSM	L55E1_KSM
MAIN BOARD	Chassis Ass'y	BN91-17271G	BN91-17271T	BN91-17271G	BN91-17271T
	PBA Ass'y	BN94-10998C	BN94-10998K	BN94-10998C	BN94-10998K
Byte	Item				
0	Factory Reset	-			
1	Type	55A6AFARK	55L6AFARK	55A6AFARK	55L6AFARK
2	Local set	EU			
3	SW Model	UK6300			
4	BOM Model	6372			
5	Tuner	-			
6	Ch table	NONE			
7	Front Color	U-S-K63-55			

4-2-3. Factory Data

■ Option

Factory Menu Name		Data	Range
Factory Reset		-	
Type	40"	40A6AFARK	
	49"	49A6AFARK	
	55"	55A6AFARK, 55L6AFARK	
Local Set		EU	
SW Model		UK6300	
BOM Model		6372	
TUNER		-	
Ch Table		None	
MRT Option			

■ Control

Factory Menu Name		Data	Range
EDID			
EDID ON/OFF		OFF	
EDID WRITE ALL		...	
EDID WRITE HDMI		...	
EDID WRITE PC		...	
HDMI EDID Ver		...	
HDMI EDID Port		...	
Sub Option			
RS-232 Jack		UART	
EXT Link Support		ON	
Serial Log On/Off		OFF	
Watchdog		ON	
FRC Monitoring		OFF	
Checksum		0x0000	
Fast Boot In Production		ON	
USB Serial		OFF	
ECO IC TYPE		MC8121	
Info Link Server Type		development	
Info Link Country		None	
TTX Group		UserOSD	
Visual Test		Diable	

4. Troubleshooting

Factory Menu Name	Data	Range
OPTION_SWU		
RF Remocon Support	OFF	
CDD mode	...	
DPMS Support	OFF	
T-CON Device	JazzFT	
RM Server Type	Operating	
LMF LEAVE THRESHOLD	160	
LMF TRIM THRESHOLD	120	
LMF TERM THRESHOLD	80	
EOS Click	OFF	
BP PMS Reset	1	
FAnet Thread	2	
CI CPLD Version	1	
ACM_MC	ON	
UNIQUE TRIPLET	ON	
FS_FAV	OFF	
Private Range USE	ON	
SCSA Support	OFF	
OCM Reboot	ON	
SPI Protection		
FKP Server Type	Default	
OCM Support	ON	
Preloading Support	ON	
Multitasking Support	ON	
Browser preloading Support	FULL	
EXT IR Boot Support	OFF	
APP BOOTING SUPPORT	ON	
NagSam Support	OFF	
EWBS Support	OFF	
MVPD MBR Provider	COMCAST	
cloudscan Always Upload	OFF	
FirstScreen Cach Size	300	
Hotel Option		
Hospitality Mode	OFF	
Power On		
Menu OSD		
Operation		

Factory Menu Name	Data	Range
Music Mode		
External Source		
Eco Solution		
Cloning		
Shop Option		
Exhibition Mode	OFF	
Peak Mode	ON	
Metadata	ON	
Shopmode Picture Reset	ON	
Asia Option		
Unbalance	OFF	
AF Level adjust	0	
TX Power Level	0	
Mono Last Memory	OFF	
H Shaking	0	
SOUND		
High Devi	OFF	*If the broadcast signal is not good, TV will complement the characteristics of the signal (most use when weak signal comes from the growing area countries)
Carrier_Mute	ON	*If the noise comes from weakness-electromagnetic field, TV will be set Mute automatically(Only default on in North America)
Pilot Level High Thld	0x20h	* The High threshold value of stereo signal(If Pilot level is greater than High threshold value, recognize Stereo signal)
Pilot Level Low THLD	0x10h	* The Low threshold value of stereo signal(If Pilot level is less than Low threshold value, recognize Mono signal)
Carrier2 Amp High ThLD	9	
Carrier2 Amp Low THLD	6	
Amp Volume	0xc4h	
Amp Scale	0x3ch	
Amp EQ Check Sum	0x000057B5	
Subwoofer Support	3	
Woofer Type	0	
Woofer Volume	0xc7h	
Woofer Scale	0x3fh	
Woofer Check sum	0x0000A273	
PEQ Inx	76	
PEQ Test	Ready	

4. Troubleshooting

Factory Menu Name	Data	Range
Speaker EQ	ON	
Bottom Checksum	NONE	
Wall Filter Type	3	
SRS Tuning Parm	0	
SPDIF PCM Gain	-9	
AudioDock BT Delay	90	
3D_Glass BT delay	50	
Mic Scale	OFF	
India Sound	0	
Speaker Delay Normal	0	
NTV CU Delay	NORMAL	
Lipsync Inx	1	
Lipsync Checksum	0x4972	
Lipsync USB Test	Ready	
Lipsync BT Checksum	0x0000	
TP volume	0xc4h	
TP Scale	0x6ch	
TP EQ CheckSum	NONE	

■ Debug

Factory Menu Name	Data	Range
Spread Spectrum		
LVDS Spread	0	
DDR Spread	0	
Period	0	
Amplitude	0	
HD DDR SSC ON OFF	OFF	
HD DDR SSC Value	0	
FHD DDR SSC ON OFF	OFF	
FHD DDR SSC Value	4	
UHD DDR SSC ON OFF	ON	
UHD DDR SSC Value	0	
P eBus SSC ON/OFF	OFF	
P eBus Value	0	
LVDS SSC ON/OFF	OFF	
LVDS SSC Value	0	
AP Vx1 SSC ON/OFF	ON	

Factory Menu Name	Data	Range
AP Vx1 Value	12	
N Vx1 SSC ON/OFF	ON	
N Vx1 Value	0	
FRC Vx1 SSC ON/OFF	OFF	
FRC Vx1 SSC Period	0	
FRC Vx1 SSC Modulation	0	
FRC LVDS ON/OFF	ON	
FRC LVDS SSC MFR	3	
FRC LVDS SSC MRR	2	
FRC DDR SSC ON/OFF	ON	
FRC DDR SSC Period	1	
FRC DDR SSC Modulation	2	
ADV7619 Data strength	1	
ADV7619 Clock strength	1	
ADV7619 H_V_DE strength	1	
AP DDR SSC ON/OFF	OFF	
AP DDR SSC Value	0	
AP USIT SSC ON/OFF	ON	
AP USIT SSC Value	13	
OCM Vx1 SSC ON/OFF	OFF	
OCM Vx1 SSC Value	0	
TCON USIT SSC ON/OFF	BYPASS	
DDR Margin		
A CTRL_OFFSET_0_3	0	
A CTRL_OFFSET_D	0	
B CTRL_OFFSET_0_3	0	
B CTRL_OFFSET_D	0	
BT_ON_OFF	ON	
RF Mute Time	600ms	
Tuner Margin	3	European specifications
FRC		
FRC FDISPLAY ON/OFF	OFF	
3D FDISPLAY ON/OFF	OFF	
PC Mode ON/OFF	OFF	
FRC VX1 RX EQ SETTING	OFF	
FRC VX1 TX Pre_emphasis setting	0	
Netflix OSD Threshold	179	

4. Troubleshooting

Factory Menu Name	Data	Range
TCON		
TCON_TEMP READ	34	
TEMP LAST	6000	
DCC VERSION	0x0	
TCON Demura Bypass	OFF	
TCON FDisplay	OFF	
Panel Code 1		
Panel Code 2		
Panel Revision		
Panel Menu Week		
Panel S/N 1		
Panel S/N 2		
Panel S/N 3		
Panel S/N 4		
MPEG Margin	20	
H.264 Margin	15	
CAM Wait Time	15	
Voice Debug	OFF	
Power Management		
Cert Option	Waiting	
RM_BIST_DTV	0	
RM_BIST_ATV	0	
RM_BIST_CABLE	0	
SerDES Check		
SerDES Tuner	Failure	
HDMI SW	Failure	
HDMI Rx	Failure	
MP	Failure	
Main SerDES	Failure	
Jack SerDES	Failure	
Stress Mode	OFF	
Log Analyzer	ON	
Error Popup On/Off	OFF	
DeadLock KILL	OFF	
CES Option	OFF	
CES Convergence Option	OFF	
CES ATSC 3_0	OFF	

Factory Menu Name	Data	Range
CES OOBE MVPD SUPPORT	OFF	
BT DUT	OFF	
BT Throughput	Failure	
Reproduce Module	ON	
21_9		
L-DETECT STABLE TIME	7	
L-DETECT UNSTABLE TIME	3	
L-DETECT CAPTION THRESHOLD	720	
L-DETECT RAGION THRESHOLD	720	
L-DETECT B-LEVEL THRESHOLD	32	
L-DETECT USB SUPPORT	0	
DB Download		
MRT Option Dump	Failure	
Picture Data Dump	Failure	
VCONF Dump	Failure	
Read Eco Sensor Data	0	
No Signal Power OFF	ON	
Alert Option	ON	
Default HDMI1 Booting	OFF	

■ SVC

Factory Menu Name	Data	Range
Self Test(for HW)		* the Output of test pattern from each IC
Info		
Reset		
Apps Reset		
SVC Reset		
SPI Flash Reset		
Data Sync Reset		
Factory Data Reset		
OPTION_HDMI		
DVI/HDMI SOUND	Auto	
HDMI HOT PLUG	Disable	
HOTPLUG SWITCHING	Auto	
HOT PLUG DURATION	800ms	
CLK TERM DURATION	300ms	
HDMI FLT CNT SIG	0ms	

4. Troubleshooting

Factory Menu Name	Data	Range
HDMI FLT CND SIG2		
HDMI FLT CNT LOS	0ms	
UNSTABLE BAN CNT	1250ms	
HDMI ROBIN	0	
HDMI Callback	ON	
HDMI CTS Thld	0	
HDMI CTS Cnt1	0	
HDMI EQ	0	
HDMI Write Type	0	
HDMI Switch	0	
DVI SET TIME	0	
H Write	0	
HDMI Sync	0	
HDMI 3D DET	1	
HOT PLUG OFF HOLD TIME	600ms	
HDMI MUTE TIME	0ms	
HDMI NFST UNMUTE TIME	800ms	
HDMI FST UNMUTE TIME	0ms	
REPEAAUDIO PKT	OFF	
HDMI Stable Count	3	
HDMI HDCP EN	OFF	
HDMI HDCP EN FLAG	85	
POWER ON FLT CNT LOS		
HDCP UPDATE SPI	READY	
SPI VERSION	0	
HdmiRx EQ	0	
HDMI TMDS ERR DET	1	
DVB CI		
TS Clock delay TC	0	
TS Clock delay S	0	
CI Control Buf ON	ON	
TS Clock delay CPU	1	
TS Clock delay TC2	0	
TS Clock delay S2	0	
CI Control Buf ON2	1	
TS Clock delay CPU2	0	
Test Pattern		

Factory Menu Name	Data	Range
Scaler Pattern	OFF	
US Post Pattern	OFF	
FRC Pre Pattern	0	
FRC Post Pattern	0	
SOC TCON Pattern	0	
SOC TCON Pattern Level	255	
FRC OSD Pre Pattern	0	
FRC OSD Post Pattern	0	
FRC2 Pre Pattern	0	
FRC2 Post Pattern	0	
SOC TCON2 Pattern	0	
SOC TCON2 Pattern Level	255	
Upgrade		
T-CON DATA UPGRADE		
T-CON FW UPGRADE		
T-CON CheckSum		
T-CON2 Usb Download		
T-CON2 CheckSum		
PANEL EEPROM UPGRADE		
PANEL FLASH UPGRADE		
Logic Usb D/L		
SUBMICOM UPGRADE		* Upgrade Sub-Micom Program
SUBMICOM JP USB UPGRADE		
BT UPGRADE		* Upgarde BT(There is upgrade program in Main-Image)
BT FREEPAIRING		
Function Upgrade		
FRC3D FW UPGRADE		
FRC3D SRP UPGRADE		
FRC3D LD UPGRADE		
FRC2 3D FW UPGRADE		
Camera Upgrade		* Upgarde Camera module(There is upgrade program in Main-Image)
Mic Upgrade		* Upgarde MIC in Camera module(There is upgrade program in Main-Image)
Jump UPGRADE		
IR Blaster Upgrade		
IR Blaster delay time		
NTV CU UPDATE		

4. Troubleshooting

Factory Menu Name	Data	Range
UD LDC PROFILE UPGRADE		
Pic Data USB Update		
Audio Data USB Update		
Eco Data USB Update		
CI CPLD Upgrade		
SC ADK Upgrade		
Other Setting		
Delete S/N		
IPERF	Stopped	
Expert		
CAL Data Backup	...	
CAL Data Restore		
MICOM POWER OFF	ON	
NTV CU FW VER	0	
ATV IF AGC SPEED	0	
Upgrade UHD OSD Test	0	
Main USB Path		
JackP USB Path		
Source Direct On/Off	OFF	
Apps Update		
Auto Power	LAST POWER	
SMCE Control		
Motor Test		
Cube Test		
V APP	OFF	
Picture Direct On/Off	OFF	
SVC Panel	ORIGINAL	
S/N		
Serial number		
Writing S/N		

■ ADC/WB

Factory Menu Name	Data	Range
ADC		
AV Calibration		
Comp Calibration		
PC Calibration		

Factory Menu Name	Data	Range
HDMI Calibration		
ADC Result		
1st_Y_GH	0	
1st_Y_GL	0	
1st_Cb_BH	0	
1st_Cb_BL	0	
1st_Cr_RH	0	
1st_Cr_RL	0	
2nd_R_L	128	
2nd_G_L	128	
2nd_B_L	128	
2nd_R_H	69	
2nd_G_H	69	
2nd_B_H	69	
White Balance		
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	136	
WB_W2_B_Gain	76	
WB_N_R_Offset	128	
WB_N_B_Offset	128	
WB_N_R_Gain	131	
WB_N_B_Gain	119	
MGA		
MGA On/Off	OFF	
R1_Gain		
G1_Gain		
B1_Gain		
R2_Gain		
G2_Gain		
B2_Gain		

4. Troubleshooting

Factory Menu Name	Data	Range
R3_Gain		
G3_Gain		
B3_Gain		
R4_Gain		
G4_Gain		
B4_Gain		
R5_Gain		
G5_Gain		
B5_Gain		
R6_Gain		
G6_Gain		
B6_Gain		
R7_Gain		
G7_Gain		
B7_Gain		
R8_Gain		
G8_Gain		
B8_Gain		
R9_Gain		
G9_Gain		
B9_Gain		
R10_Gain		
G10_Gain		
B10_Gain		
SPI White Balance		
SPI White Balance On/Off		
SPI R-Offset		
SPI G-Offset		
SPI B-Offset		
SPI R-Gain		
SPI G-Gain		
SPI B-Gain		
SPI N Rgain		
SPI N Bgain		
SPI N Roffset		
SPI N Boffset		
SPI W2 Rgain		

Factory Menu Name	Data	Range
SPI W2 Bgain		
SPI W2 Roffset		
SPI W2 Boffset		
SPI MGA		
WB Data to SPI		

■ Advanced

4-3. White Balance

4-3-1. Calibration

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

Option	AV Calibration
Control	Comp Calibration
Debug	PC Calibration
SVC	HDMI Calibration
ADC/WB	
Advanced	

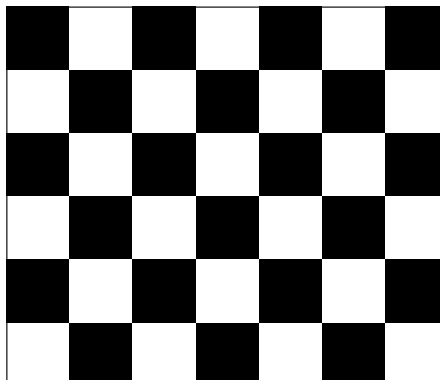
4-3-2. Service Adjustment

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)

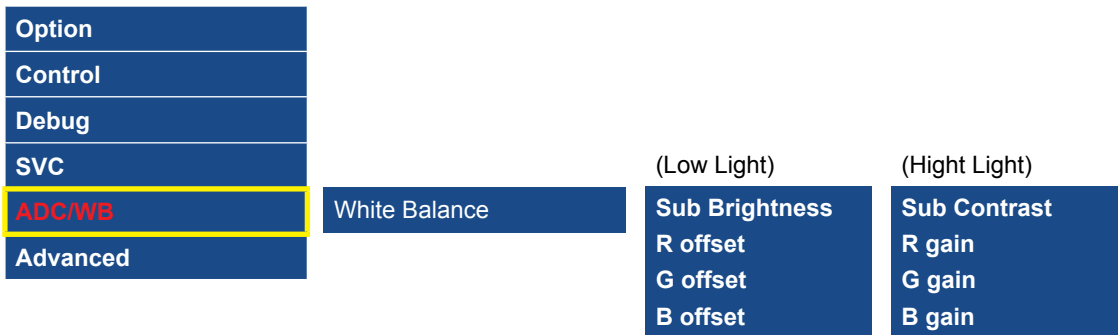
1. Apply the VESA XGA Lattice (N0. 21) pattern signal to the PC IN port.
2. Press the Source key to switch to "PC" mode.
3. Enter Service mode.
4. Select the "ADC" menu.
5. Select the "PC Calibration" menu.
6. In "PC Calibration Off" status, press the "►" key to perform Calibration.
7. When Calibration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

4-3-3. Adjustment

- 1. Into the Factory Mode.
- 2. Select **ADC/WB** menu.
- 3. Select **White Balance** menu.



4-4. Updating the TV's Software

View your TV's software version and update it if necessary.

- [Settings](#) → [Support](#) → [Software Update](#)

■ Updating the TV's software to the latest version

- [Settings](#) → [Support](#) → [Software Update](#) → [Update now](#)

You can update your TV's software by downloading the update from the Internet directly to your TV or copying the update from a USB device that contains it to your TV.

- Updating from the Internet requires an active Internet connection.
- To update using a USB flash drive, download the update package from Samsung.com to your computer. Then, save the update package in the USB device's top-level folder. Otherwise, the TV will not be able to locate the update package.



CAUTION

DO NOT turn off the TV's power until the update is complete. The TV will turn off and on automatically after completing the software update. All video and audio settings return to their default settings after a software update.

■ Updating the TV automatically

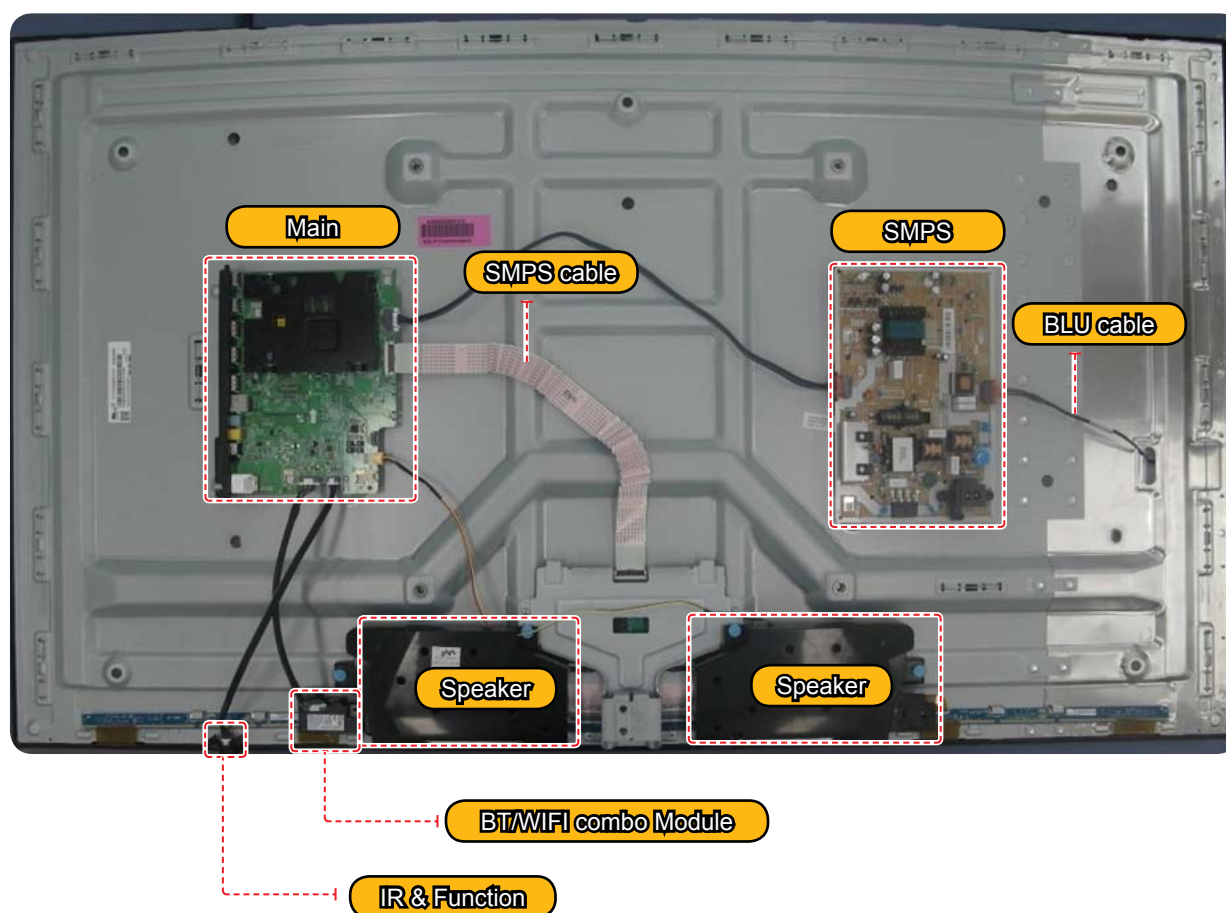
- [Settings](#) → [Support](#) → [Software Update](#) → [Auto Update](#)

If the TV is connected to the Internet, you can have the TV's software update itself automatically while you are watching the TV. When the background update is completed, it is applied the next time the TV is turned on.

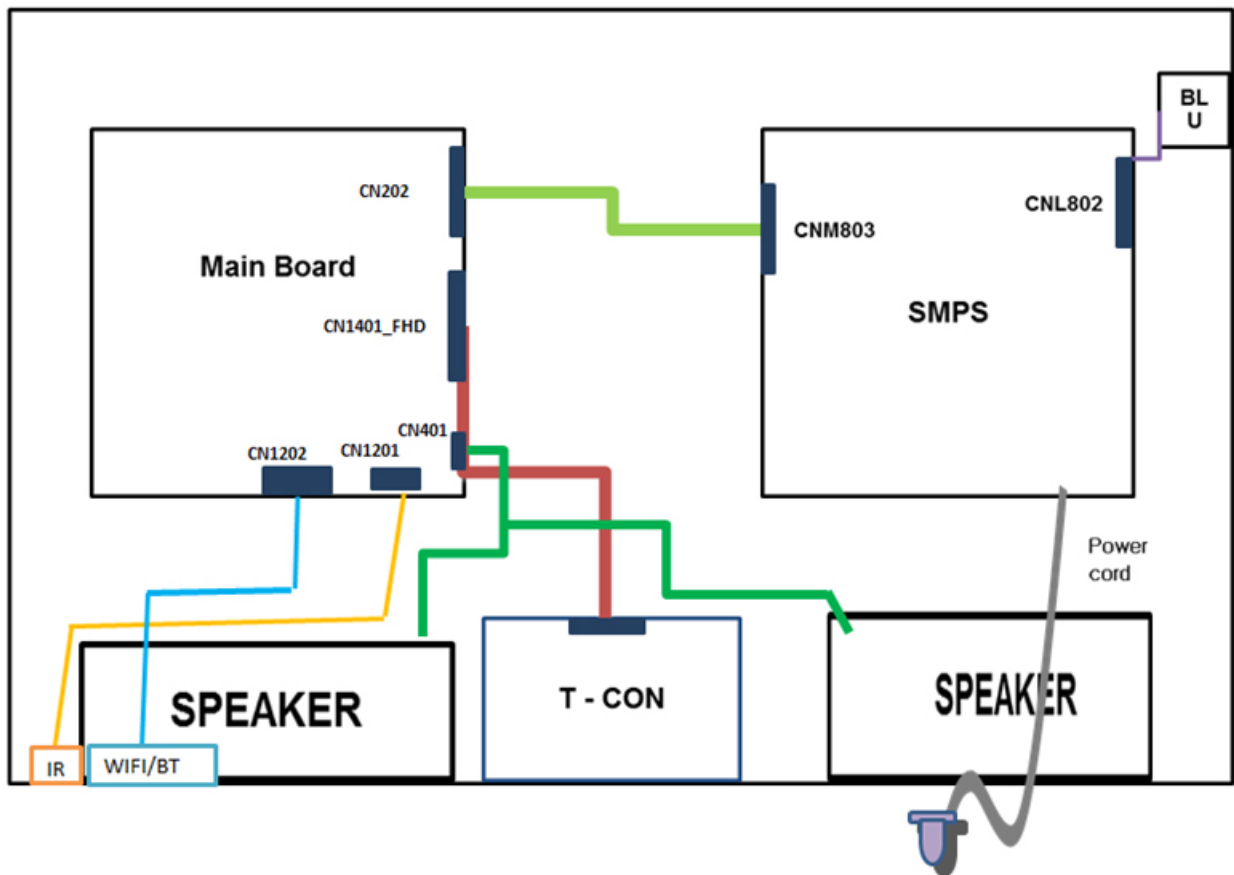
- This function may take a longer time if another network function is running concurrently.
- This function requires an Internet connection.
- If you agree to the Smart Hub terms and conditions, [Auto Update](#) is set to [On](#) automatically. If you do not want the TV's software to update itself automatically, set [Auto Update](#) to [Off](#).

5. Wiring Diagram

5-1. Layout

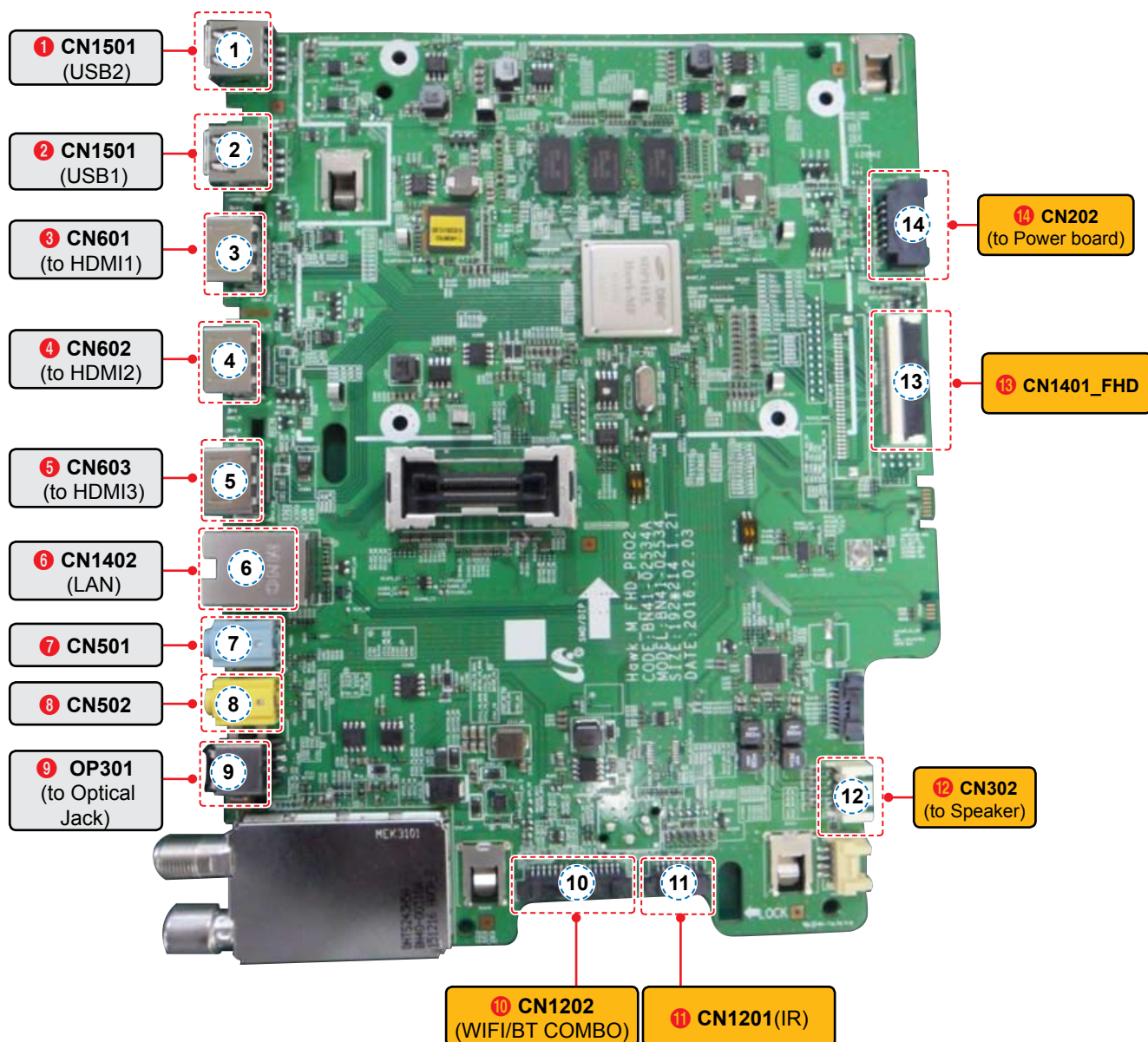


5-2. Wiring Diagram



5-3. Connector

5-3-1. Main Board



■ Main Board Pin Map

① CN1501(USB2)			
1	B5V_USB1_PW	3	USB2_DP
2	USB2_DM	4	GND
② CN1501(USB1)			
1	A5V_USB2_PW	3	USB1_DP
2	USB1_DM	4	GND
③ CN601(to HDMI1)			
1	HDMI1_RX2+	10	HDMI1_RXCLK+
2	GND	11	GND
3	HDMI1_RX2-	12	HDMI1_RXCLK-
4	HDMI1_RX1+	13	CEC
5	GND	14	NC
6	HDMI1_RX1-	15	HDMI1_SCL_DDC
7	HDMI1_RX0+	16	HDMI1_SDA_DDC
8	GND	17	GND
9	HDMI1_RX0-	18	HDMI1_5V
		19	HDMI1_HOT_PLUG
④ CN602(to HDMI2)			
1	HDMI2_RX2+	10	HDMI2_RXCLK+
2	GND	11	GND
3	HDMI2_RX2-	12	HDMI2_RXCLK-
4	HDMI2_RX1+	13	CEC
5	GND	14	ARC2_SIGLE
6	HDMI2_RX1-	15	HDMI2_SCL_DDC
7	HDMI2_RX0+	16	HDMI2_SDA_DDC
8	GND	17	GND
9	HDMI2_RX0-	18	HDMI2_5V
		19	HDMI2_HOT_PLUG
⑤ CN603(to HDMI3)			
1	HDMI3_RX2+	10	HDMI3_RXCLK+
2	GND	11	GND
3	HDMI3_RX2-	12	HDMI3_RXCLK-
4	HDMI3_RX1+	13	CEC
5	GND	14	NC
6	HDMI3_RX1-	15	HDMI3_SCL_DDC
7	HDMI3_RX0+	16	HDMI3_SDA_DDC
8	GND	17	GND
9	HDMI3_RX0-	18	HDMI3_5V
		19	HDMI3_HOT_PLUG
⑥ CN1402_LAN			
1	LAN_TXD+	5	B2.5V
2	B2.5V	6	LAN_RXD-
3	LAN_TXD-	7	NC
4	LAN_RXD+	8	GND
⑦ CN501			
1	GND	5	PR
2	COMP_PB	6	GND
3	COMP_PR	7	GND
4	IDENT_COMP		
⑧ CN502			
1	GND	5	TEST_SR
2	COMP_Y_CVBS	6	TEST_SL
3	COMP_AV_SR_IN	7	COMP_AV_SL_IN
4	AV1_IDENT(Y)		
⑨ OP301(to Optical Jack)			
1	SPDIF_OUT	3	GND
2	B5V_DC_PW		
⑩ CN1202(to Component & AV)			
1	BT_RESET	9	WIFI_USB_SUSPEND
2	POWER_DET	10	GND
3	BT_WAKE	11	WIFI+_USB
4	GND	12	WIFI-_USB
5	BT-_USB_BT	13	GND
6	BT+_USB_BT	14	A5V_PW
7	GND	15	WIFI_WOL
8	GND	16	WIFI_NRESET
⑪ CN1201(to Function/IR)			
1	IR	5	MSDA
2	GND	6	KEY_INPUT1
3	A3.3V_PW	7	KEY_INPUT2
4	MSCL	8	LED_STB
⑫ CN302(to Speaker)			
1	R+	3	L+
2	R-	4	L-

13 CN1401_FHD			
1	NC	27	EVEN_TX0-
2	GND	28	GND
3	FRC_SDA	29	ODD_TX4+
4	FRC_PWM1	30	ODD_TX4-
5	FRC_SCL	31	ODD_TX3+
6	FRC_PWM3	32	ODD_TX3-
7	FRC_PWM2	33	GND
8	TCON_SDA	34	ODD_TXCLK+
9	PANEL_I2C_EN	35	ODD_TXCLK-
10	BT_SYNC	36	GND
11	UPDATE_CHK	37	ODD_TX2+
12	TCON_SCL	38	ODD_TX2-
13	GND	39	ODD_TX1+
14	EVEN_TX4+	40	ODD_TX1-
15	EVEN_TX4-	41	ODD_TX0+
16	EVEN_TX3+	42	ODD_TX0-
17	EVEN_TX3-	43	GND
18	GND	44	GND
19	EVEN_TXCLK-	45	GND
20	EVEN_TXCLK+	46	FRC_PWM4
21	GND	47	PANEL_13V_PW
22	EVEN_TX2+	48	PANEL_13V_PW
23	EVEN_TX2-	49	PANEL_13V_PW
24	EVEN_TX1+	50	PANEL_13V_PW
25	EVEN_TX1-	51	PANEL_13V_PW
26	EVEN_TX0+		

14 CN202(to Power board)			
1	GND	7	A13V_PW
2	GND	8	PWM_DIM
3	A13V_PW	9	A13V_PW
4	GND	10	OVD_LEVEL
5	A13V_PW	11	SMPS_FET_FAIL DETECT
6	SW_POWER_OUT	12	OVD_ON_OFF

5-4. Connector Functions

Connector	Function
CN202 ↔ CNM803	Supply main power and dimming signal from IP board to Main Board.
CN1401 ↔ CON3	The LVDS signal transferred from Main Board to Panel .