



# LED TV

Chassis : UWK50

Model : UE40J6240AW  
UE50J6240AW  
UE55J6240AW  
UE60J6240AW

## ***SERVICE*** Manual

### LED TV



UE\*\*J6240AW

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2. Product specifications
3. Disassembly and Reassembly
4. Troubleshooting
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### 3. Disassembly and Reassembly

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




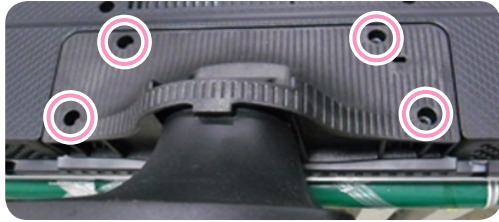

This LED TV contains electrostatically sensitive devices. Use caution when handling these components.

#### 3-1. Disassembly and Reassembly


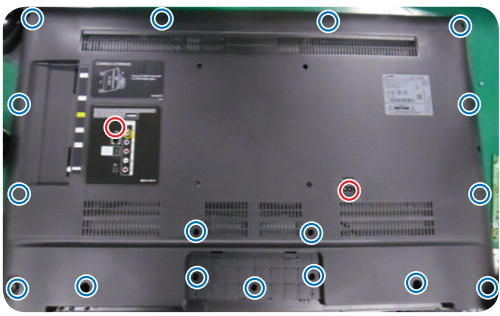
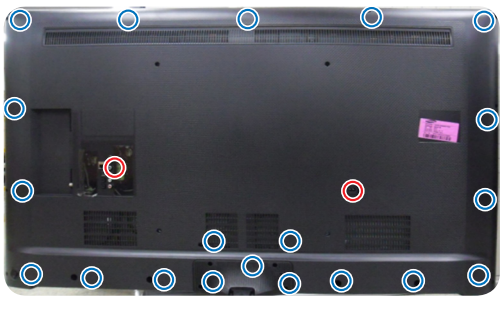





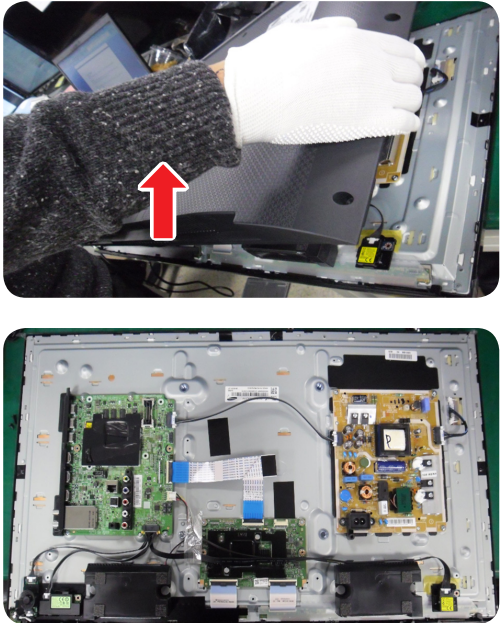


1. Disconnect the LED TV from the power source before disassembly.
2. Follow these directions carefully; never use metal instruments to pry apart the cabinet.
3. If there is no additional coment, it is same for all inches.

##### 3-1-1. TV Disassembly

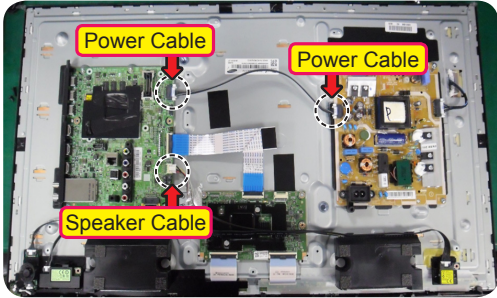
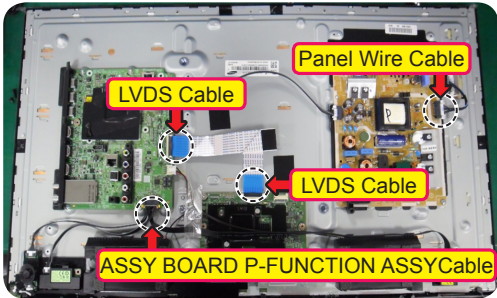
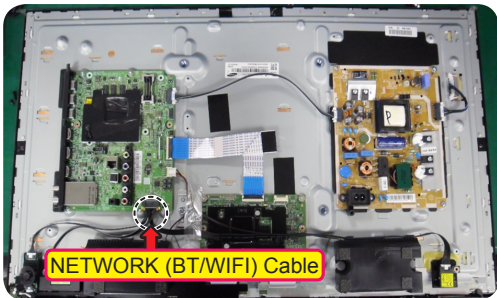


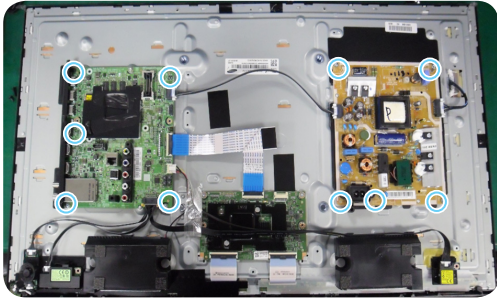

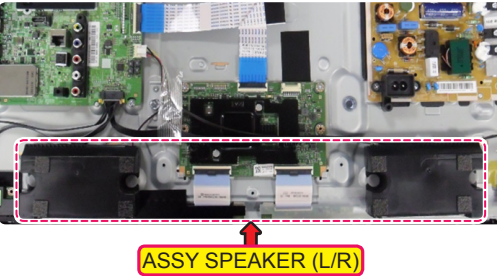
Description	Picture Description	Screws
<b>1</b> Place TV face down on cushioned table.		
<b>2</b> Remove 4 screws from the ASSY STAND P-BASE. <ul style="list-style-type: none"><li>• 40"/50"/55"/60" : 4 EA</li></ul>		 BN61-09494D (40"/48"/50"/ 55"/60")

3. Disassembly and Reassemble

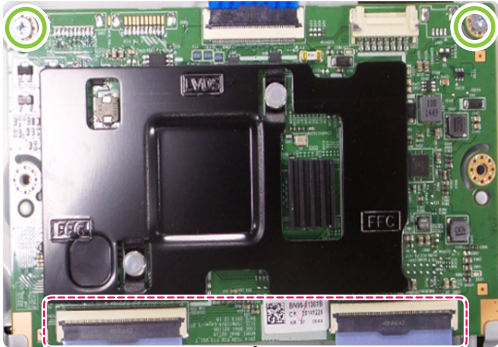





Description	Picture Description	Screws
<div data-bbox="183 286 215 336">3</div> <div data-bbox="252 286 657 342">Remove the screws of ASSY COVER P-REAR..</div> <div data-bbox="252 353 486 1305"><ul style="list-style-type: none"><li>• 40" : 15 EA / 1 EA</li><li>• 50" : 18 EA / 2 EA</li><li>• 55" : 20 EA / 2 EA</li><li>• 60" : 19 EA</li></ul></div>	<div data-bbox="710 286 1212 600"></div> <div data-bbox="710 622 1212 936"></div> <div data-bbox="710 958 1212 1272"></div> <div data-bbox="710 1294 1212 1579"></div>	<div data-bbox="1268 302 1396 436"></div> <div data-bbox="1260 448 1404 470">6001-002755</div> <div data-bbox="1268 1288 1396 1422"></div> <div data-bbox="1260 1422 1404 1478">6003-001782 (60")</div>

Description	Picture Description	Screws
<div>4</div> <div>Remove the ASSY COVER P-REAR.</div>		
<div>5</div> <div>Remove the Electric tapes shown on the image.</div> <div><ul style="list-style-type: none"><li>• <b>EMI Point</b> : After removing release paper from the LVDS Cable bottom, attach the LVDS Cable to the C/ Chassis and rub the attached surface.</li></ul></div> <div><div> <b>CAUTION</b></div><div>When assembling the TV, the electric tapes must be applied on the same locations. Please remember to take a picture of where the tapes were first applied.</div></div>		



Description	Picture Description	Screws
<div>6</div> <div>Remove the Power Cables and Speaker Cables.</div> <div>Remove the LVDS Cable, Panel Wire Cable and ASSY BOARD P-FUNCTION ASSY Cable.</div> <div>Remove the NETWORK (BT/WIFI) Cable.</div>	<div><p>Power Cable</p><p>Power Cable</p><p>Speaker Cable</p></div> <div><p>LVDS Cable</p><p>Panel Wire Cable</p><p>LVDS Cable</p><p>ASSY BOARD P-FUNCTION ASSY Cable</p></div> <div><p>NETWORK (BT/WIFI) Cable</p></div>	
<div>7</div> <div>Remove the screws of ASSY PCB MAIN and DC VSS-LED TV PD BD.</div> <div><ul style="list-style-type: none"><li>• ASSY PCB MAIN : 5 EA</li><li>• DC VSS-LED TV PD BD : 5 EA</li></ul></div> <div><div> <b>NOTE</b></div><div>LVDS Cable</div><div></div></div>	<div></div>	<div></div> <div>6001-003016</div>
<div>8</div> <div>Remove the ASSY SPEAKER (L/R).</div>	<div><p>ASSY SPEAKER (L/R)</p></div>	



Description	Picture Description	Screws
<div>9</div> <div>Remove the cables and 2 screws from the ASSY T CON. Finally carefully remove the ASSY T CON.</div>	<div></div> <div></div>	<div></div> <div>6001-003075</div>
<div>10</div> <div>Remove the NETWORK (BT/WIFI).</div>	<div></div>	
<div>11</div> <div>Remove the JOG/IR unit.</div>	<div></div>	
<div>12</div> <div>Completed disassembly.<ul style="list-style-type: none"><li>Panel</li></ul></div>	<div></div>	

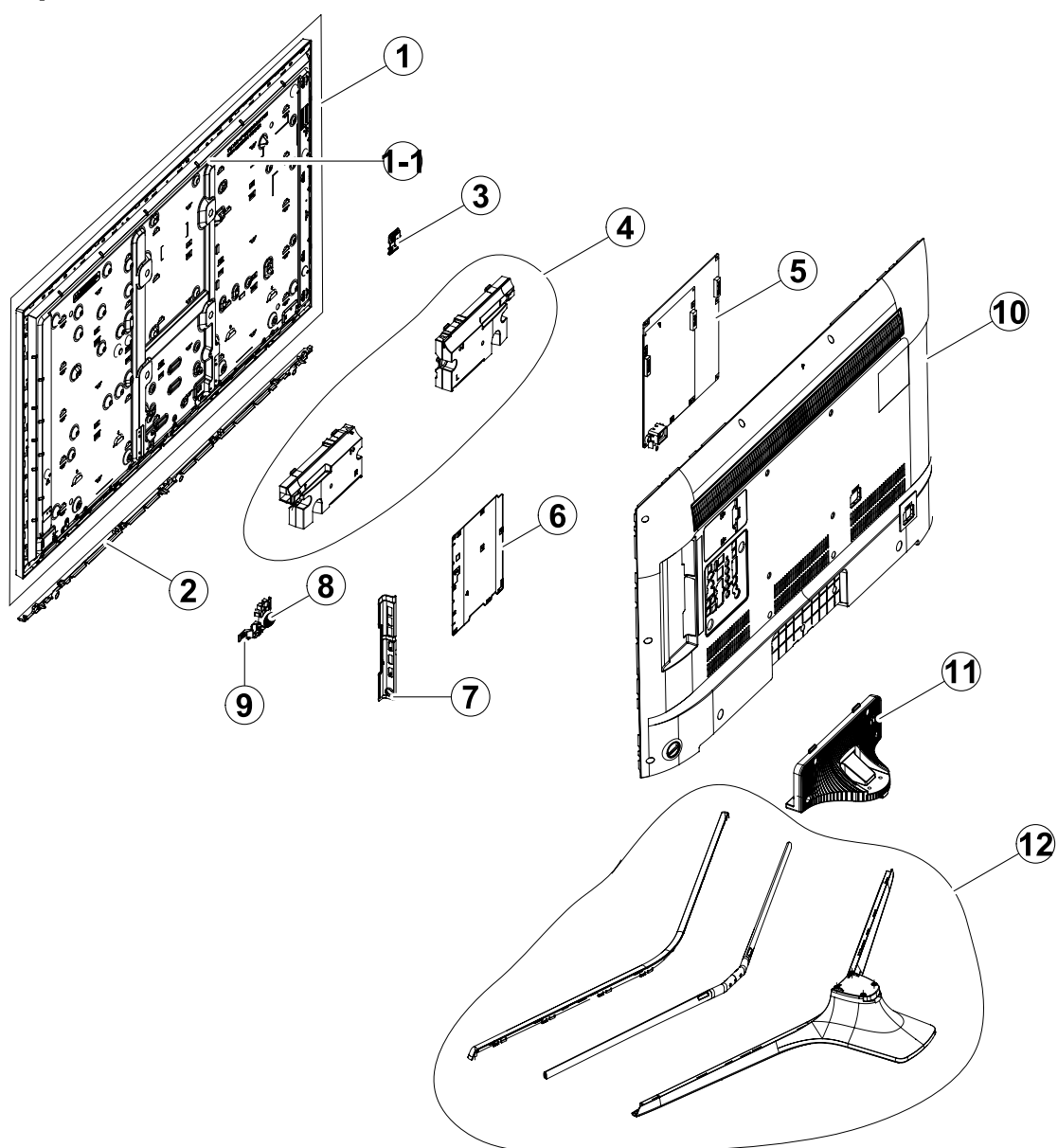


NOTE

Reassembly procedures are in the reverse order of disassembly procedures.

## ANNEX. Exploded View & Part List [UE50J6240AWXXH DA01]

### 1-1. Exploded View



**1-1-1. Parts List**

No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
1	BN95-01321D	PRODUCT LCD-INX; CY-GH050CSNV4V,J6240,Y16	1	SA	
1-1	BN96-30643C	ASSY CHASSIS FRONT P; H5500 50",PC+ABS+GF	1	SA	
2	BN95-01458A	ASSY DECORATION SMT; 6000,50,LIGHT TITAN	1	SA	
3	BN96-30218F	NETWORK-BLUETOOTH; WIBT40A,34.79x28x7.7m	1	SA	
4	BN96-30334K	ASSY SPEAKER P-FRONT; TV-SPK,J5500,6ohm,1	1	SA	
5	BN44-00704E	DC VSS-PD BOARD; L55S1_FHS,AC/DC,168W,100	1	SA	
6	BN94-10814D	ASSY PCB MAIN; LEDTV 6K	1	SA	
7	BN61-08813A	COVER-TERMINAL SIDE; HIPS,HIPS,MOLD,BK002	1	SNA	
8	BN96-30902Y	ASSY BOARD P-FUNCTION JOG; UH6400,CT15SD	1	SA	
9	BN59-01174D	NETWORK-WLAN CLIENT; WIDT30Q,58x31.45x8.5	1	SA	
10	BN96-36531F	ASSY COVER P-REAR; 50J6200,PC+ABS,BK0008,	1	SA	
11	BN61-11465A	GUIDE-STAND; J5100/5500 40",PC+GF20%,MOLD	1	SA	
12	BN96-38964L	ASSY STAND P-BOTTOM; J5500 48",PC+ABS+GF2	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
			UE50J6240AWXXH (DA01)			
1	S001A	BN90-06497D	ASSY STAND;J5000	1	SNA	
0.2	SG03	BN61-11465A	GUIDE-STAND;J5100/5500 40",PC+GF20%,MOLD	1	SA	
..3		0103-007285	RESIN PC;HF3200H,K21294,BK0007,V-2	280	SNA	
0.2	SB04A	BN96-38964L	ASSY STAND P-BOTTOM;J5500 48",PC+ABS+GF2	1	SA	
..3	SCREW	6003-001001	SCREW-TAPTYPE;FH,+,-,B,M3,L8,ZPC(BLK),SW	2	SA	
..3	SCREW	6003-001239	SCREW-TAPTYPE;FH,+,-,B,M4,L10,ZPC(WHT),SWR	4	SA	
..3	SCREW	6003-001315	SCREW-TAPTYPE;BH,+,-,B,M4,L20,ZPC(WHT),SWR	4	SNA	
..3		6902-002463	BAG PE;HDPE/PE FOAM,T0.015/T0.5,W100,L40	2	SNA	
..3		6902-002487	BAG PE;HDPE/PE FOAM,T0.015/T0.5,W250,L30	1	SNA	
..3		BN61-07463B	TAPE-DOUBLE FACE;ACRYL,T0.25,W7,CLEAR	0	SNA	
..3		BN61-11431B	BRACKET-STAND BODY;Y15 F-LED J5100/5500	1	SNA	
..3		BN61-13134A	BRACKET-STAND BOTTOM;48J5500,HGI,T2	1	SNA	
..3		BN63-13259E	COVER-STAND TOP;LED_ J5500,PC+ABS+GF20%,M	1	SNA	
...4		0103-009946	RESIN PC ABS;HM-1200,BLACK,BK0007,V-1	350	SNA	
..3	RF01	BN67-00327M	FOOT-RUBBER;STAND,Si,GRAY,W10,L10,T1.5	2	SNA	
..3	RF01	BN67-00398P	FOOT-RUBBER;UH6K,Si,GRAY,W8,L15.5,T2.5	1	SNA	
..3	RF01	BN67-00538A	FOOT-RUBBER;LED_ J4000,Si,GRAY,W8,L15.5,T	4	SNA	
..3		BN95-02141F	ASSY COVER STAND SMT;J5500 48,48,DARK TI	1	SNA	
...4		0206-001653	PAINT;CVM87100,SEMI GLOSS,UV Paint,N	4	SNA	
...4		BN01-00160A	TARGET-CHROMIUM CY;Chromium,99.95%,1800x	0	SNA	
...4		BN63-13263A	COVER-STAND DECORATION;J5100/5500 48",PC	1	SNA	
....5		0103-005041	RESIN PC ABS;FR3200TV,901408,BK0008,1.2m	85	SNA	
1		BN90-06520E	ASSY W/I;LED_ J6K	1	SNA	
0.2		BN81-08159Z	A/S PART SET-ELEC W/I;LED TV ELEC spec-C	1	SNA	
0.2		BN81-11260M	A/S PART SET-MECH W/I;UJ6L,U50JL*	1	SNA	
1	R001A	BN90-06572T	ASSY COVER REAR;LED_ J6K	1	SNA	
0.2	SCREW	6001-002755	SCREW-MACHINE;BH,+,-,M3,L6,ZPC(BLK),SWRCH1	18	SA	
0.2	SCREW	6003-000003	SCREW-TAPTYPE;BH,+,-,B,M4,L10,ZPC(BLK),S	2	SA	
0.2	R001A	BN96-36531F	ASSY COVER P-REAR;50J6200,PC+ABS,BK0008,	1	SA	
..3	R001	BN63-13937N	COVER-REAR;50J5500,PC+ABS,MOLD,V-1,BK000	1	SNA	
...4		0103-010376	RESIN PC ABS;FR3012 / 901510,BLACK,BK000	1900	SNA	
..3	T0071	BN64-02886T	INLAY-TERMINAL;J6200,PS,T0.3,BLACK,EO	1	SNA	
..3		BN68-03518F	LABEL-STICKER CI SLOT;WW,ALL,PET,T0.1,W1	1	SNA	
..3		BN68-07096Q	INLAY-TERMINAL SIDE;J6200,PET,T0.03,W14.	1	SNA	
1		BN91-14798B	ASSY SHIELD;J6K	1	SNA	
0.2	SCREW	6001-003016	SCREW-MACHINE;PWH,+,-,M3,L5.0,ZPC(WHT),SWR	10	SA	
0.2		BN02-00102B	TAPE-SINGLE FACE;FILAMENT,#8917,T0.15,W2	0	SNA	
0.2		BN02-00352A	TAPE SINGLE FACE;Y12 F-LED,PET,T0.05,W30	1	SNA	
0.2	16P	BN39-01884B	LEAD CONNECTOR-SUB ASSY;UN40H5200AF,UL21	1	SA	
0.2		BN39-02001K	LEAD CONNECTOR-SUB ASSY;FLAT CONNECTOR A	1	SA	
0.2	EC13	BN39-02036D	LEAD CONNECTOR-POWER;50J5500/55J5500,UL2	1	SA	

## ANNEX. Exploded View &amp; Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
0.2	P001A	BN44-00704E	DC VSS-PD BOARD;L55S1_FHS,AC/DC,168W,100	1	SA	
0.2	WIFI	BN59-01174D	NETWORK-WLAN CLIENT;WIDT30Q,58x31.45x8.5	1	SA	
0.2	HOLDER-LED SCREW	BN61-09175B	SCREW-MACHINE;BH,+,M3,L10,ZPC(WHT),SWRCH	2	SA	
0.2	CD01A	BN95-01458A	ASSY DECORATION SMT;6000,50,LIGHT TITAN	1	SA	
..3		BN01-00160A	TARGET-CHROMIUM CY;Chromium,99.95%,1800x	1	SNA	
..3		BN01-00161A	TARGET-CHROMIUM PL;Chromium,99.95%,1800x	1	SNA	
..3		BN02-00353A	COATING;SSVD-39,1.9~2%,1~10 cps,CLEAR,1.	2	SNA	
..3	FD01	BN63-11680A	COVER-DECORATION;UH6300-50,PC+ABS+GF15%,	1	SNA	
..3		BN63-13128H	SHEET-PROTECTION COVER;LED,AL,T0.05,W25,	1	SNA	
..3		BN68-03682A	LABEL-STICKER;Label,W20,L10	1	SNA	
0.2	BT	BN96-30218F	NETWORK-BLUETOOTH;WIBT40A,34.79x28x7.7mm	1	SA	
0.2	SP01A	BN96-30334K	ASSY SPEAKER P-FRONT;TV-SPK,J5500,6ohm,1	1	SA	
0.2	FB01A	BN96-30902Y	ASSY BOARD P-FUNCTION JOG;UH6400,CT15SD0	1	SA	
..3	JOG	BN96-30902A	ASSY BOARD P-FUNCTION JOG;UH5000,KUDNFL0	1	SNA	
..3	IR	BN96-30904A	ASSY BOARD P-IR FUNCTION;UH5500,CT20SD12	1	SNA	
0.2		BN96-36274J	FFC CABLE;50J6200,Fold,L500,51P	1	SA	
1	M0017	BN91-17291D	ASSY CHASSIS;LEDTV 6K	1	SNA	
0.2	M0014	BN94-10814D	ASSY PCB MAIN;LEDTV 6K	1	SA	
..3		0202-001608	SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0.	0	SNA	
..3		BN61-08813A	COVER-TERMINAL SIDE;HIPS,HIPS,MOLD,BK002	1	SNA	
...4		0103-004631	RESIN HIPS;HF-1690H,K21294,BK0007,1.5mm	22	SNA	
..3	AH020	BN62-00765A	HEAT SINK-PS;Y15 FHD (Main),A1050,W127,L	1	SNA	
..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		BN97-10664D	ASSY SMD;LED TV 6K	1	SNA	
...4		0202-001976	SOLDER-CREAM;LST-309M-K21,20~38um,96.5Sn	4	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,	9	SA	
...4		0406-001200	DIODE-TVS;RCIamp0504F,6V,1MAV,TP	3	SA	
...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		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		0801-003330	IC-CMOS LOGIC;Octal buffer,DQFN,20P,4.5x	2	SA	
...4		1001-001872	IC-ANALOG SWITCH;NLAS2750MUTAG,Dual SPDT	1	SA	
...4		1103-001564	IC-EEPROM;S-24C512CI-J800,512Kbit,64Kx8,	1	SA	
...4		1105-002528	IC-DDR3 SDRAM;K4B4G1646D-BCMA,DDR3 1866,	3	SA	
...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	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...4		1203-006330	IC-POWER SUPERVISOR;TPS2065DBV,SOT-23,5P	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		1203-008104	IC-POS.FIXED REG.;S-13A1D18-E800,HSOP,8	2	SNA	
...4		1203-008105	IC-POS.FIXED REG.;S-13A1D33-E800,HSOP,8	1	SNA	
...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		1203-008454	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.	3	SA	
...4		1405-001271	VARISTOR;35V,20VDC,5A,1005,TP,100V,10pF	15	SA	
...4		2007-000137	R-CHIP;2Kohm,5%,1/16W,TP,1005	17	SNA	
...4		2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	38	SNA	
...4		2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	24	SNA	
...4		2007-000166	R-CHIP;300Kohm,5%,1/16W,TP,1005	1	SA	
...4		2007-000170	R-CHIP;1Mohm,5%,1/16W,TP,1005	1	SNA	
...4		2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	21	SNA	
...4		2007-000174	R-CHIP;47ohm,5%,1/16W,TP,1005	28	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		2007-001125	R-CHIP;68Kohm,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	5	SNA	
...4		2007-001298	R-CHIP;51ohm,5%,1/16W,TP,1005	1	SNA	
...4		2007-007107	R-CHIP;100Kohm,1%,1/16W,TP,1005	15	SNA	
...4		2007-007132	R-CHIP;15Kohm,1%,1/16W,TP,1005	4	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	1	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	5	SNA	
...4		2007-007137	R-CHIP;1.2Kohm,1%,1/16W,TP,1005	1	SA	
...4		2007-007138	R-CHIP;27Kohm,1%,1/16W,TP,1005	2	SA	
...4		2007-007139	R-CHIP;47Kohm,1%,1/16W,TP,1005,T0.35	3	SA	
...4		2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	21	SNA	
...4		2007-007306	R-CHIP;100ohm,1%,1/16W,TP,1005	18	SNA	
...4		2007-007307	R-CHIP;150ohm,1%,1/16W,TP,1005	1	SNA	
...4		2007-007309	R-CHIP;12Kohm,1%,1/16W,TP,1005,T0.35	2	SA	
...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		2007-007316	R-CHIP;3.3Kohm,1%,1/16W,TP,1005	1	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	21	SNA	

## ANNEX. Exploded View &amp; Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...4		2007-007431	R-CHIP;91Kohm,1%,1/10W,TP,1608,T0.45	1	SA	
...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	SA	
...4		2007-007517	R-CHIP;240ohm,1%,1/16W,TP,1005	4	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		2007-007766	R-CHIP;2Kohm,1%,1/16W,TP,1005	5	SNA	
...4		2007-007767	R-CHIP;200ohm,1%,1/16W,TP,1005	5	SA	
...4		2007-007861	R-CHIP;62Kohm,1%,1/16W,TP,1005	1	SA	
...4		2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	14	SA	
...4		2007-008213	R-CHIP;4.3Kohm,1%,1/16W,TP,1005	3	SNA	
...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	14	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	6	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	1	SNA	
...4	AD480	2203-000233	C-CER,CHIP;0.1nF,5%,50V,C0G,TP,1005	9	SA	
...4	AD480	2203-000278	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,TP,1005	4	SA	
...4	AD480	2203-000359	C-CER,CHIP;0.15nF,5%,50V,C0G,TP,1005,0.5	3	SA	
...4	AD480	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,TP,1005	13	SA	
...4	AD480	2203-000489	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1005	3	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	2203-000679	C-CER,CHIP;0.027nF,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	13	SNA	
...4	AD480	2203-002711	C-CER,CHIP;100nF,10%,25V,X7R,TP,1608	1	SA	
...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	6	SA	
...4	AD480	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608	4	SNA	
...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	4	SNA	
...4	AD480	2203-006158	C-CER,CHIP;100nF,10%,16V,X7R,TP,1005,T0.	124	SNA	



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	SA	
...4	AD480	2203-006348	C-CER,CHIP;1000nF,10%,25V,X5R,TP,1608,0.	6	SA	
...4	AD480	2203-006562	C-CER,CHIP;1000nF,10%,10V,X5R,TP,1005	21	SNA	
...4	AD480	2203-006824	C-CER,CHIP;4700nF,10%,10V,X5R,TP,1608	5	SNA	
...4	AD480	2203-006838	C-CER,CHIP;2200nF,10%,6.3V,X5R,TP,1005	11	SA	
...4	AD480	2203-006890	C-CER,CHIP;10000nF,20%,6.3V,X5R,TP,1608	49	SA	
...4	AD480	2203-007176	C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012,1	1	SNA	
...4	AD480	2203-007240	C-CER,CHIP;22000nF,20%,6.3V,X5R,TP,1608(	32	SA	
...4	AD480	2203-007269	C-CER,CHIP;22000nF,20%,10V,X5R,TP,2012(2	27	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	4	SNA	
...4	AD480	2203-007544	C-CER,CHIP;100nF,10%,50V,X7R,TP,1005,T0.	12	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		2703-001938	INDUCTOR-SMD;56nH,5%,1005,1.5Ohm,200mA,1	3	SA	
...4		2703-003713	INDUCTOR-SMD;1.5uH,20%,7366,0.015Ohm,700	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%,6060,T4.5,0.02Ohm	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		2801-004477	CRYSTAL-SMD;24.576MHz,20ppm,SMD,18pF,15o	1	SA	
...4		3301-000314	BEAD-SMD;120ohm,1608,TP,120ohm/100MHz	5	SNA	
...4		3301-001364	BEAD-SMD;1000ohm,1608,TP,1085ohm/108MHz,	2	SNA	
...4		3301-002039	BEAD-SMD;26ohm,1608,TP	41	SA	
...4		3601-001374	FUSE-SURFACE MOUNT;32V,5A,FAST-ACTING,PL	2	SA	
...4		3701-001856	CONNECTOR-HDMI;19P,A,FEMALE,AU,0.5mm,BLK	1	SA	
...4		3701-001861	CONNECTOR-HDMI;19P,A,FEMALE,AU,0.5mm,BLK	3	SA	
...4		3707-001106	CONNECTOR-OPTICAL;STRAIGHT,SPDIF,2.5PI	1	SA	
...4		3708-003073	CONNECTOR-FPC/FFC/PIC;51P,0.5mm,SMD-A,AU	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	EH01	3711-008488	HEADER-BOARD TO CABLE;BOX,14P,2R,2mm,ANG	1	SA	
...4	EH01	3711-008558	HEADER-BOARD TO CABLE;BOX,26P,2R,1.25mm,	1	SA	
...4		3722-003229	JACK-MODULAR;8P/8C,Y,STRAIGHT,NONE,AU,1P	1	SA	
...4		3722-003457	JACK-USB;4P/1C,NI,BLK,ANGLE,A,2.0,13.1x1	3	SA	
...4	JACK PIN	3722-003546	JACK-PIN;5P,NI/SN,BLU/GRN/RED/WHT/YEL,SM	1	SA	
...4		3722-003667	JACK-PHONE;1P/7C,NI/SN,BLK,STRAIGHT,3.6P	1	SA	
...4		6302-001376	GASKET-SMD;;;CONDUCTIVE FABRIC,T14,W43,L	4	SNA	
...4	ET01	BN40-00313A	TUNER-DTV AIR CABLE;DTOS40EH5A,DVB-TC Ha	1	SA	
...4		BN41-02353C	PCB-MAIN;J5500~6500,FR-4,4L,1.2T,158x193	1	SNA	
...4		BN97-09450A	ASSY MICOM;T-HKMFDEUC,Hawk-M FHD 5/6	1	SNA	
...5		1107-002341	IC-EMMC;THGBMBG5D1KBAIT,4GB,BGA,153P,11x	1	SA	
...4		BN97-09454A	ASSY MICOM;HMMICOM_FHD_EU	1	SNA	
...5		1107-002226	IC-NOR FLASH;W25Q40CLSSIP,4Mbit,SOIC,8P,	1	SA	
1		BN92-17127H	ASSY LABEL;LED_J6K	1	SNA	
0.2		BN68-06708G	LABEL-RATING;Monitor,WW,PP,T0.161,W93,L7	1	SNA	

ANNEX. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
0.2		BN68-07063C	LEAFLET-QUICK SETUP GUIDE;UJ6200,EUROPE,	1	SNA	
1		BN92-17128J	ASSY P/MATERIAL;LED_J6000	1	SNA	
0.2		0203-006958	TAPE-SINGLE FACE;OPP,T0.065,W75,L1500M,C	2	SNA	
0.2		6902-002505	BAG ROLL;HDPE/PE FOAM,T0.5*,W800,L300M,T	3	SNA	
0.2		6922-000013	BAND;PP,W18,L2300/L2900,TRP	0	SNA	
0.2		6932-000004	WRAP;T0.023,W750,L1000m,non stretched fi	2	SNA	
0.2	AS080	BN63-11092A	SHEET-PROTECTION COVER;PS51F8500,PE,T4,W	1	SNA	
0.2		BN69-11261A	CUSHION-SET FRONT;50"/55" Model,EPS,16.7	1	SNA	
0.2		BN69-11804A	CUSHION-SET;J6200 50",EPS,16.7g/l,WHT	1	SNA	
..3		0103-005099	RESIN EPS;BASF303,Natural,Natural	537	SNA	
0.2		BN69-12481A	PALLET-WOODEN;UE50J4100,WOOD,W1190,L1370	1	SNA	
0.2		BN69-13583F	PAD-PACKING;LED,PAPER,T5,W50,L2300,H50,Y	1	SNA	
0.2		BN74-00008D	TAPE-SINGLE FACE;OPP,T0.05,W75,L800M,CLE	1	SNA	
1		BN92-19860D	ASSY BOX;LEDTV 6K	1	SNA	
0.2		BH68-00662A	LABEL BOX;ALL,ART PAPER,W60,L110,WHT,NO	1	SNA	
0.2		BN68-05640A	LABEL BOX;ALL,ART PAPER,W110,L130,EUROPE	1	SNA	
0.2		BN69-12010L	BOX UNIT;50J6240,CB,DW3,A1,L1347,W137,H7	1	SNA	
1	ACCE1	BN92-19920G	ASSY ACCESSORY;LEDTV 6K	1	SNA	
0.2		BN68-07519A	LABEL-ENERGY;ALL JORDAN,WW,PP,T0.135,W60	1	SNA	
0.2	ACCE2	BN96-35602E	ASSY ACCESSORY-CABLE;UA48J6200AWXAB	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		4301-000121	BATTERY-MN;1.5V,R03,10.5x44.5m,7.5g,AAA	2	SNA	
..3		6902-001965	BAG PE;LDPE,BIOBASED,T0.05,W200,L300,TRP	1	SNA	
..3	REMO3	BN59-01198Q	REMOCON-TV;2014 TV,Samsung,49KEY,3V,EURO	1	SA	
..3		BN68-02989A	LABEL ETC;ALL,ALL,PAPER,W30,L65,WHITE,SE	2	SNA	
..3		BN96-15806B	ASSY HOLDER P-WIRE STAND;UE5500,PA66,BLA	1	SNA	
...4		BN61-04731D	TAPE-DOUBLE FACE;ACRYL,T1.1,W20,L33M,WHI	0	SNA	
...4		BN61-05491C	HOLDER-STAND CABLE;UE5500,PA,MOLD,BLACK	1	SNA	
..3		BN96-32380B	ASSY ACCESSORY-SCREW;LED_H5000,BN69-1058	2	SNA	
...4	HOLDER-BOLT	BN61-09494D	HOLDER-BOLT;KU6500,SWRCH18A,BLK,PRESS,B	8	SA	
...4		BN69-10588A	BAG SCREW;LDPE,0.05,70,90,TRP,LED TV,LDP	2	SNA	
0.2	ACCE4	BN96-39492K	ASSY ACCESSORY-MANUAL;UE50J6240AWXXH	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		BN68-07177Y	MANUAL USERS;J6240,XH,W/P,EURO B5	1	SNA	
..3		BN68-07598A	LEAFLET-FICHE;ALL,W/P,0	1	SNA	
1		BN95-03471A	PRODUCT LCD DP;DP,BN95-01321D,SEH ONLY	1	SA	
0.2		BN92-21029A	ASSY P/MATERIAL;CY-GH050CSNV1H	1	SNA	
..3		BN69-09660C	CUSHION-PANEL;Y14 F-LED 50" (5K),EPS,ESD	1	SNA	
...4		0103-005099	RESIN EPS;BASF303,Natural,Natural	3608	SNA	
0.2	PANEL	BN95-01321D	PRODUCT LCD-INX;CY-GH050CSNV4V,J6240,Y16	1	SA	
..3	SCREW	6001-003075	SCREW-MACHINE;BH,+,M3,L4,ZPC(WHT),SWRCH1	2	SA	
..3	SCREW	6001-003083	SCREW-MACHINE;CH,+,M3,L8,ZPC(BLK),SWRCH1	5	SA	

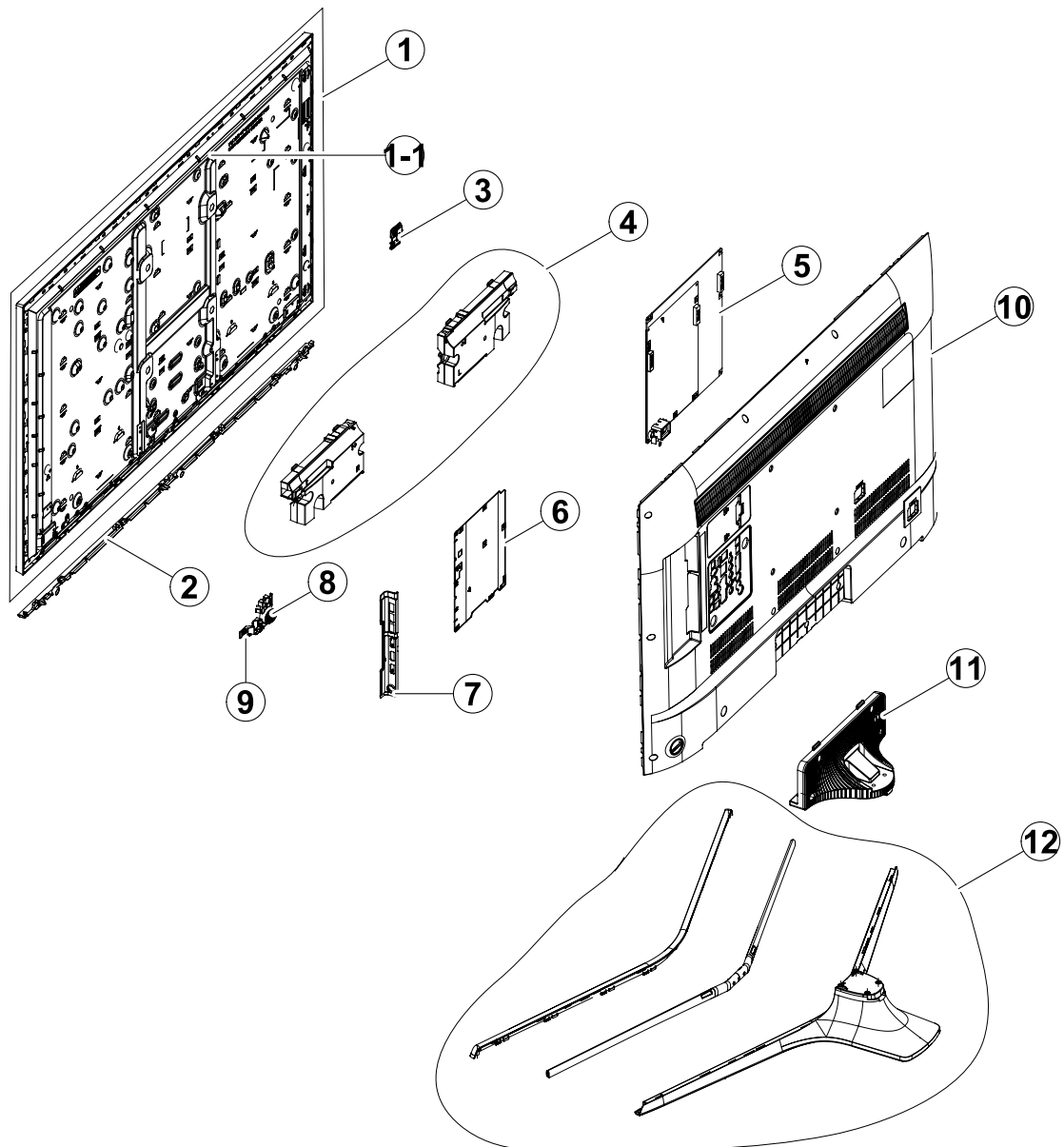
Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
..3		BN02-00114A	TAPE SINGLE FACE;NNB 56",PET,T0.07,W12,L	12	SNA	
..3	M0131	BN63-00520A	GASKET-EMI;APPOLO_PAL,Conductive Fabric,	4	SNA	
..3		BN68-05722A	LABEL-E PASS;POLYPROPYLENE,NON-COATING	1	SNA	
..3		BN90-05215A	ASSY MISC-BLU;H5000 50",CY-GH050BGNV	1	SNA	
...4		BN02-00043L	TAPE SINGLE FACE;Y13 slim F-LED,PET,T0.0	1	SNA	
...4		BN61-10113A	SUPPORT-PLATE;Y14 F-LED,PC,V-2,WHITE+CLE	15	SNA	
....5		0103-005036	RESIN PC;M2407,550115,TP0003,0.8 V-0	45	SNA	
....5		0103-009493	RESIN PC;LH-1070W,W92853,WT0107,V-0	60	SNA	
...4		BN61-10229A	DIFFUSER PLATE;14Y_H6K 50INCH_DIFFUSER P	1	SNA	
...4		BN63-11822A	OPTICAL SHEET-COMPLEX;14Y_H5K 50inch_DMO	1	SNA	
...4		BN63-11826A	OPTICAL SHEET-REFLECTOR;14Y_H5K 50inch_U	1	SNA	
...4		BN96-30632A	ASSY FRAME P-MIDDLE TOP;H5000 50",PC-GF1	1	SNA	
....5		BN61-10081A	FRAME-MIDDLE TOP;Y14 F-LED 50" (5K),PC+G	1	SNA	
...4		BN96-30633A	ASSY FRAME P-MIDDLE BOTTOM;H5000 50",PC-	1	SNA	
....5		BN60-00735P	SPACER-PET;Y14 VNB 51",PET,L110,CLEAR,T0	2	SNA	
....5		BN60-00735Q	SPACER-PET;Y14 VNB 50,PET,L360,CLEAR,T0.	2	SNA	
....5		BN60-00744C	SPACER-SILICONE;Y14 SF-LED VNB,Si,L27,CL	1	SNA	
....5		BN60-00815H	SPACER-SILICONE;15 SF-LED 50,Si,L545,GRA	4	SNA	
....5		BN61-10178A	FRAME-MIDDLE BOTTOM;Y14 F-LED 50" (5K,SE	1	SNA	
...4		BN96-30634A	ASSY FRAME P-MIDDLE LEFT RIGHT;H5000 50"	2	SNA	
....5		BN60-00815L	SPACER-SILICONE;15 SF-LED 50,Si,L618,GRA	2	SNA	
....5		BN61-10082A	FRAME-MIDDLE LEFT RIGHT;Y14 F-LED 50" (5	2	SNA	
....6		0103-007368	RESIN PC;LS-3104G,K2495,BK0048,3.0mm V-2	88	SNA	
...4		BN96-35013A	ASSY CHASSIS REAR P;Y14 F-LED 50",EGI-SE	1	SNA	
....5		BN02-00102B	TAPE-SINGLE FACE;FILAMENT,#8917,T0.15,W2	2	SNA	
....5		BN74-00053J	TAPE-SINGLE FACE;PAPER,3M2307,T0.14,W25,	1	SNA	
....5		BN96-30425A	ASSY LED BAR P;50inch FHD Dire,CEM3,FCpk	6	SA	
....5		BN96-30426A	ASSY LED BAR P;50inch FHD Dire,CEM3,FCpk	6	SA	
....5		BN96-30628B	ASSY CHASSIS REAR P;Y14 VNB 50,EGI-SECC,	1	SNA	
....6		BN02-00040C	TAPE DOUBLE FACE;F-LED ALL,PET,T0.3,W3,L	2	SNA	
....6		BN02-00324A	TAPE-SINGLE FACE;PAPER,Y14 4K,T0.085,W25	0	SNA	
....6		BN02-00352B	TAPE-SINGLE FACE;PET,T0.05,W30,L50M,BLAC	0	SNA	
....6		BN02-00352D	TAPE-SINGLE FACE;PET,T0.05,W20,L50M,BLAC	0	SNA	
....6		BN61-10102A	FRAME-CHASSIS REAR TOP;Y14 F-LED 50" (5K	1	SNA	
....6		BN61-10103A	FRAME-CHASSIS REAR LEFT RIGHT;Y14 F-LED	2	SNA	
....6		BN61-10186A	FRAME-CHASSIS REAR BOTTOM;Y14 F-LED 50"	1	SNA	
....7		0103-010237	RESIN PC;LS-3104G/W95265,White,WT0044,V-	130	SNA	
....6	CB20	BN61-10207A	BRACKET-WALL;32UD6400,SWRCH10A,T1.2,L15.	4	SNA	
....6		BN62-00501E	INSULATOR-SMPS;Y14 VNB 50_55,PC,BLACK,L2	1	SNA	
....6		BN63-14964A	GASKET-EMI;GASKET,FABRIC,T2,W20,L11,BLAC	4	SNA	
....6	CC02	BN64-02519A	CHASSIS-REAR;Y14 F-LED 50" VNB,EGI-SECC,	1	SNA	
....7		BN01-00174A	STEEL;EGI-SECC,L1150,0.8mm,668mm,SECC,AG	1	SNA	
....6		BN96-30419A	ASSY PCB P-LED INTERFACE BOARD;50H6000,-	1	SNA	
..3		BN96-30060A	ASSY OPEN CELL;V500HK3-PS1,16:9,50inch,	1	SA	
...4		BN81-09749A	A/S-IC DRIVER SOURCE;V500HK3-PS1,6101B00	1	SNA	
...4		BN81-09750A	A/S-IC DRIVER GATE;V500HK3-PS1,6101B000N	1	SNA	
...4		BN81-09751A	A/S-POLARIZER CF;V500HK3-PS1,4102B0001B0	1	SNA	

## ANNEX. Exploded View &amp; Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...4		BN81-09752A	A/S-POLARIZER TFT;V500HK3-PS1,4102B0001C	1	SNA	
...4		BN81-09769A	A/S-ASSY PCB SOURCE RIGHT;V500HK3-PS1,6B	1	SNA	
...4		BN81-09770A	A/S-ASSY PCB SOURCE LEFT;V500HK3-PS1,6B0	1	SNA	
..3	TCON	BN96-30067B	ASSY T CON P;V500HK3-PS1,10,16:9,1920x10	1	SNA	
..3	TC01A	BN96-30643C	ASSY CHASSIS FRONT P;H5500 50",PC+ABS+GF	1	SA	
...4		BN02-00112A	TAPE-SINGLE FACE;PET,L65.8M,T0.09,W10,RO	0	SNA	
...4		BN60-00930J	SPACER-CONDUCTIVE;Y14 VNB 50",CONDUCTIVE	2	SNA	
...4		BN60-00930K	SPACER-CONDUCTIVE;Y14 VNB 50",CONDUCTIVE	2	SNA	
...4		BN60-01076A	SPACER-CONDUCTIVE;Y14,CONDUCTIVE FABRIC,	3	SNA	
...4	AS080	BN63-10945C	SHEET-PROTECTION COVER;Y13 SF-LED,PO,T0.	2	SNA	
...4		BN63-11875A	SHEET-PROTECTION COVER;Y14 SF-LED,AL,T0.	2	SNA	
...4	FW04	BN64-02480A	WINDOW-REMOCON;40UH5500,PC,V-2,RD0120	1	SNA	
...5		0103-010267	RESIN PC;TR3022RVT/3314W,Violet,RD0120,	3	SNA	
...4	AC157	BN64-02496D	CHASSIS-FRONT;Y14 F-LED 50" 6.3K,PC+ABS+	1	SNA	
...5		0103-010275	RESIN PC ABS;235GNH15/6919H,Black,BK0007	180	SNA	
..3	FL06	BN96-30782B	FFC CABLE;H5000,Straight,L42,60P	2	SNA	

# ANNEX. Exploded View & Part List [UE60J6240AWXXH EA01]

## 1-1. Exploded View



**1-1-1. Parts List**

No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
1	BN95-01333A	PRODUCT LCD-SHARP; LQ600D3HD6K,CY-HH060	1	SA	
1-1	BN96-30743B	ASSY CHASSIS FRONT P; 60H6300,PC+ABS+GF1	1	SC	
2	BN95-01460A	ASSY DECORATION SMT; 6000,60,LIGHT TITAN	1	SA	
3	BN96-30218F	NETWORK-BLUETOOTH; WIBT40A,34.79x28x7.7m	1	SA	
4	BN96-30334M	ASSY SPEAKER P-FRONT; TV-SPK,J6200,6ohm,1	1	SA	
5	BN44-00705C	DC VSS-PD BOARD; L60S1_FSM,AC/DC,190W,100	1	SA	
6	BN94-10816C	ASSY PCB MAIN; LEDTV 6K	1	SA	
7	BN61-08813A	COVER-TERMINAL SIDE; HIPS,HIPS,MOLD,BK002	1	SNA	
8	BN96-30902D	ASSY BOARD P-FUNCTION JOG; UH6500,CT15SD	1	SA	
9	BN59-01174D	NETWORK-WLAN CLIENT; WIDT30Q,58x31.45x8.5	1	SA	
10	BN96-37179F	ASSY COVER P-REAR; J6200 60,PC+ABS,BK0008	1	SA	
11	BN96-37933A	ASSY GUIDE P-STAND; 15Y J6200 60",PC+GF20	1	SA	
12	BN96-37971M	ASSY STAND P-BOTTOM; 60J6200,PC+ABS+GF20	1	SA	

## 2-1. Electrical Parts List

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

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
			UE60J6240AWXXH (EA01)			
1		BN90-06520F	ASSY W/I;LED_J6K	1	SNA	
0.2		BN81-08159Z	A/S PART SET-ELEC W/I;LED TV ELEC spec-C	1	SNA	
0.2		BN81-11260P	A/S PART SET-MECH W/I;UJ6L,U60JL*	1	SNA	
1	R001A	BN90-07354C	ASSY COVER REAR;LED_J6K	1	SNA	
0.2	SCREW	6003-001782	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	19	SA	
0.2	R001A	BN96-37179F	ASSY COVER P-REAR;J6200 60,PC+ABS,BK0008	1	SA	
..3	R001	BN63-14352D	COVER-REAR;60J6200,PC+ABS,MOLD,V-1,BK000	1	SNA	
...4		0103-005041	RESIN PC ABS;FR3200TV,901408,BK0008,1.2m	3900	SNA	
..3	T0071	BN64-02886T	INLAY-TERMINAL;J6200,PS,T0.3,BLACK,EO	1	SNA	
..3		BN68-03518F	LABEL-STICKER CI SLOT;WW,ALL,PET,T0.1,W1	1	SNA	
..3		BN68-07096Q	INLAY-TERMINAL SIDE;J6200,PET,T0.03,W14.	1	SNA	
1	S001A	BN90-08077A	ASSY STAND;LEDTV 6K	1	SNA	
0.2	SG01A	BN96-37933A	ASSY GUIDE P-STAND;15Y J6200 60",PC+GF20	1	SA	
..3		0203-001499	TAPE-OPP;OPP,T0.04,W15,N/A,CLEAR,ROLL	0	SNA	
..3	SG03	BN61-12796A	GUIDE-STAND;60J6200,PC+GF20%,MOLD,V-2,BK	1	SNA	
...4		0103-007285	RESIN PC;HF3200H,K21294,BK0007,V-2	440	SNA	
..3		BN96-18013Q	ASSY ACCESSORY-SCREW;ALL MODEL,6003-0018	1	SNA	
...4	SCREW	6003-001807	SCREW-TAPTYPE;BH,+,S,M4,L10,ZPC(BLK),SWR	4	SA	
...4		BN69-08203G	BAG SCREW;LDPE,0.05,70,90,TRP,Vinyl pack	1	SNA	
..3		BN96-32380B	ASSY ACCESSORY-SCREW;LED_H5000,BN69-1058	1	SNA	
...4	HOLDER-BOLT	BN61-09494D	HOLDER-BOLT;KU6500,SWRCH18A,BLK,PRESS,B	4	SA	
...4		BN69-10588A	BAG SCREW;LDPE,0.05,70,90,TRP,LED TV,LDP	1	SNA	
0.2	SB02A	BN96-37971M	ASSY STAND P-BOTTOM;60J6200,PC+ABS+GF20%	1	SA	
..3	SCREW	6003-001001	SCREW-TAPTYPE;FH,+,B,M3,L8,ZPC(BLK),SW	2	SA	
..3	AS080	BN63-04755H	SHEET-PROTECTION COVER;52LC530,PE,T0.05,	1	SNA	
..3	AS080	BN63-04755L	SHEET-PROTECTION COVER;22LC350,PE,T0.05,	1	SNA	
..3	RF01	BN67-00398P	FOOT-RUBBER;UH6K,Si,GRAY,W8,L15.5,T2.5	2	SNA	
..3		BN68-05603A	LABEL-E PASS;ART PAPER 90G,W/W	3	SNA	
..3		BN95-02371E	ASSY COVER STAND SMT;60J6200,DARK TITAN,	1	SNA	
...4		0203-007002	TAPE-SINGLE FACE;OPP,T0.06,W75,L66M,CLEA	0	SNA	
...4		0204-007315	COATING;UVICHEM CVM92000(VOC),13~15,CLEA	0	SNA	
...4		AA69-07494X	PAD-DP SHEET;CTV,CB,DW,W990,L515,YEL	1	SNA	
...4		AA69-07610E	PAD-DP SHEET;CTV,CB,DW5,W515,L310	1	SNA	
...4		AA69-07629P	MASTER BOX-DP;CB,DW,L315,W525,H1020	1	SNA	
...4		AA69-07707A	PAD-DP BOTTOM EPP;CTV,CB,DW,W515,L35	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		BN63-14512A	COVER-STAND DECORATION;15Y J6200 60",PC+	1	SNA	
...5		0103-005041	RESIN PC ABS;FR3200TV,901408,BK0008,1.2m	85	SNA	
...5		BN63-07556C	SHEET-PROTECTION COVER;TOC,PO,T0.068,W50	1	SNA	
...4		BN68-03920A	LABEL BOX;ALL,ART PAPER,W100,L75,W/W,100	1	SNA	



## ANNEX. Exploded View &amp; Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...4		BN69-10617S	PACKING SHEET;48" 6500 INHOUSE,HDPE/PE F	1	SNA	
..3	SB02A	BN96-38154A	ASSY STAND P-BOTTOM;J6200 60",PC+ABS+GF2	1	SNA	
...4	SCREW	6003-001119	SCREW-TAPTYPE;FH,+,S,M4,L10,ZPC(BLK),SWR	10	SA	
...4	SCREW	6003-001355	SCREW-TAPTYPE;BH,+,S,M4,L20,ZPC(BLK),SWR	2	SNA	
...4		BN61-12727A	BRACKET-STAND BOTTOM;HGI,T3,NATURAL	1	SNA	
...4		BN61-12728A	BRACKET-STAND BODY;HGI,T1.9,NATURAL	1	SNA	
...4		BN63-14511A	COVER-STAND TOP;15Y J6200 60",PC+ABS+GF2	1	SNA	
....5		0103-009946	RESIN PC ABS;HM-1200,BLACK,BK0007,V-1	450	SNA	
....5		BN68-00513D	LABEL-RESIN;resin,-,ART,-,W10,L25,-,-,-	1	SNA	
...4	RF01	BN67-00398P	FOOT-RUBBER;UH6K,Si,GRAY,W8,L15.5,T2.5	3	SNA	
...4		BN68-05603A	LABEL-E PASS;ART PAPER 90G,W/W	1	SNA	
1		BN91-12105B	ASSY LCM-SHARP;BN95-01333A,CY-HH060CSSV1	1	SNA	
0.2	PANEL	BN95-01333A	PRODUCT LCD-SHARP;LQ600D3HD6K,CY-HH060CS	1	SA	
..3	SCREW	6001-002756	SCREW-MACHINE;BH,+,M3,L6,ZPC(WHT),SWRCH1	6	SA	
..3	SCREW	6001-003075	SCREW-MACHINE;BH,+,M3,L4,ZPC(WHT),SWRCH1	2	SA	
..3		BN68-05722A	LABEL-E PASS;POLYPROPYLENE,NON-COATING	1	SNA	
..3		BN74-00053E	TAPE-SINGLE FACE;PAPER,3M2307,T0.14,W20,	4	SNA	
..3		BN90-05216A	ASSY MISC-BLU;H6400 60",CY-HH060CSSV	1	SNA	
...4		BN02-00152H	TAPE SINGLE FACE;Y13 Slim F-LED,PET,T0.0	3	SNA	
...4		BN61-10113A	SUPPORT-PLATE;Y14 F-LED,PC,V-2,WHITE+CLE	24	SNA	
....5		0103-005036	RESIN PC;M2407,550115,TP0003,0.8 V-0	72	SNA	
....5		0103-009493	RESIN PC;LH-1070W,W92853,WT0107,V-0	96	SNA	
...4		BN61-10235A	DIFFUSER PLATE;14Y_H6K 60INCH_DIFFUSER P	1	SNA	
...4		BN63-11823A	OPTICAL SHEET-COMPLEX;14Y_H6K 60inch_TMO	1	SNA	
...4		BN63-12906A	OPTICAL SHEET-REFLECTOR;14Y_H6K 60inch_S	1	SNA	
...4		BN96-30649A	ASSY FRAME P-MIDDLE TOP;H6400 60",PC+G/F	1	SNA	
....5		BN60-00744A	SPACER-SILICONE;Y14 F-LED SLIM,Si,L29,SE	2	SNA	
....5		BN60-00822B	SPACER-SILICONE;Y14 SF-LED 61,Si,L668.5,	4	SNA	
....5		BN61-10085A	FRAME-MIDDLE TOP;Y14 F-LED 60" (5.5K-6K)	1	SNA	
...4		BN96-30650A	ASSY FRAME P-MIDDLE BOTTOM;H6400 60",PC+	1	SNA	
....5		BN61-10182A	FRAME-MIDDLE BOTTOM;Y14 F-LED 60" (5.5K-	1	SNA	
...4		BN96-30651A	ASSY FRAME P-MIDDLE LEFT RIGHT;H6400 60"	2	SNA	
....5		BN60-00823B	SPACER-SILICONE;Y14 SF-LED 61,Si,L750,GR	2	SNA	
....5		BN61-10086A	FRAME-MIDDLE LEFT RIGHT;Y14 F-LED 60" (5	2	SNA	
...4		BN96-38060A	ASSY CHASSIS REAR P;Y14 F-LED 60",EGI-SE	1	SNA	
....5		0203-001598	TAPE-SINGLE FACE;FILAMENT,#8915,T0.15,W1	3	SNA	
....5		BN96-30433A	ASSY LED BAR P;60inch FHD Dire,CEM3,FCpk	7	SA	
....5		BN96-30434A	ASSY LED BAR P;60inch FHD Dire,CEM3,FCpk	7	SA	
....5		BN96-30652C	ASSY CHASSIS REAR P;EGI-SECC,H6400 60	1	SNA	
....6		BN02-00040C	TAPE DOUBLE FACE;F-LED ALL,PET,T0.3,W3,L	2	SNA	
....6		BN02-00105A	TAPE SINGLE FACE;SNB,PET,T0.05,W8,L10,BL	6	SNA	
....6	CB20	BN61-10207A	BRACKET-WALL;32UD6400,SWRCH10A,T1.2,L15.	4	SNA	
....6		BN62-00501F	INSULATOR-SMPS;Y14 VNB 60_65,PC,BLACK,L3	1	SNA	
....6		BN63-14956A	GASKET-EMI;GASKET,FABRIC,T2,W15,L10,BLAC	2	SNA	
....6		BN63-14957A	GASKET-EMI;GASKET,FABRIC,T2,W15,L40,BLAC	3	SNA	
....6	CC02	BN64-02521A	CHASSIS-REAR;Y14 F-LED 60" VNB,EGI-SECC,	1	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
.....7		BN01-00191A	STEEL;EGI-SECC,1mm,830mm,SECC,AG	9	SNA	
.....6		BN74-00053J	TAPE-SINGLE FACE;PAPER,3M2307,T0.14,W25,	2	SNA	
.....6		BN96-30421A	ASSY PCB P-LED INTERFACE BOARD;60H6000,-	1	SNA	
...3	TCON	BN95-01336B	ASSY T CON;LQ600D3HD6K,Sharp 60F120Hz	1	SA	
...4		BN62-00487A	HEAT SINK-ES;SMT-C7101,A6063,W18,L14,BLA	1	SNA	
...4		BN62-00573A	HEAT SINK-PS;SMT-E5015,A1050,W108,L65.3,	1	SNA	
...4		BN97-07994B	ASSY SMD;BN95-01336	1	SNA	
....5		0202-001899	SOLDER-CREAM;M705-GRN360-K2-VT,20-38um,S	1	SNA	
....5		0404-001307	DIODE-SCHOTTKY;SSC54,40V,5000mA,DO-214AB	2	SA	
....5		0404-001640	DIODE-SCHOTTKY;SS1060HEWS,60V,1000mA,S OD	2	SA	
....5		0404-001643	DIODE-SCHOTTKY;B360A,60V,3000mA,SMA,TP	1	SA	
....5		0404-001881	DIODE-SCHOTTKY;SS3040-HE,40V,3000mA,SOD-	2	SA	
....5		0406-001438	DIODE-TVS;SMCJ14A,15.6V,17.2V,1MAV,6.5VP	1	SA	
....5		0406-001445	DIODE-TVS;RClamp7512N,2.7V,2.8V,2.9V,0.5	2	SA	
....5		0501-000465	TR-SMALL SIGNAL;MMBT3904,NPN,350mW,SOT-2	2	SA	
....5		0502-001331	TR-POWER;NSS30100LT1G,PNP,310mW,SOT-23,T	1	SA	
....5		0502-001346	TR-POWER;FCX591A,PNP,1000mW,SOT89,TR,30/	1	SA	
....5		0502-001360	TR-POWER;STC405D,NPN,15000mW,TO-252,TP	1	SA	
....5		0505-000274	FET-SILICON;AO4435L,P,30V,11A,0.014ohm,3	5	SNA	
....5		0505-002645	FET-SILICON;AOD4184A,N,40V,50A,0.007ohm,	1	SA	
....5		0505-002790	FET-SILICON;ZXMP6A17G,P,60V,-4.3A,0.190o	1	SA	
....5		0505-002925	FET-SILICON;AO4438,N,60V,8.2A,3.1W,SOT-8	1	SA	
....5		0505-002937	FET-SILICON;AO4854L,N,30V,8A,2W,SOT-8	1	SA	
....5	EL02	0601-002037	LED;SMD(TOP VIEW),BLUE,1.6x0.8mm,465/470	3	SA	
....5		1003-002412	IC-LEVEL DRIVER;MAX17079GTL+,TR,40P,6x6x	1	SA	
....5		1105-002274	IC-DDR3 SDRAM;K4B1G1646G-BCMA,DDR3 1866,	1	SNA	
....5		1201-002980	IC-OP AMP;MAX9650ATA+,TDFN-EP,TP,8P,3*3m	4	SA	
....5		1203-007447	IC-VOL. GENERATOR;RT6503GQW,QFN,48Z30,7x	1	SNA	
....5		1203-007552	IC-DC/DC CONVERTER;TPS56921PWPR,HTSSOP,2	1	SA	
....5		1203-008045	IC-DC/DC CONVERTER;SN1304025RHBR,QFN,32,	1	SNA	
....5		1204-003485	IC-VIDEO PROCESS;SDP1316,HSFCBGA,888P,27	1	SA	
....5		1205-004222	IC-MULTIPLIER;THV3056,64P,9x9x0.9mm,PLAS	1	SA	
....5	IS01	1209-002183	IC-SENSOR;S-5851AAA-M6T1U,SOT,6Z30,2.9x1	1	SA	
....5		1405-001381	VARISTOR;11V,8VDC,30A,1608,TP,25V,500pF	3	SA	
....5		2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	2	SC	
....5		2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	1	SA	
....5		2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	7	SA	
....5		2007-000060	R-CHIP;100Kohm,1%,1/10W,TP,1608	2	SNA	
....5		2007-000066	R-CHIP;20Kohm,1%,1/10W,TP,1608	1	SNA	
....5		2007-000067	R-CHIP;15Kohm,1%,1/10W,TP,1608	1	SNA	
....5		2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
....5		2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	SA	
....5		2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	9	SNA	
....5		2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	7	SNA	
....5		2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	7	SA	
....5		2007-000149	R-CHIP;12Kohm,5%,1/16W,TP,1005	2	SA	

## ANNEX. Exploded View &amp; Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....5		2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	1	SNA	
....5		2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	69	SNA	
....5		2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	2	SNA	
....5		2007-000231	R-CHIP;1.3Kohm,1%,1/10W,TP,1608	1	SA	
....5		2007-000239	R-CHIP;1.5Kohm,1%,1/10W,TP,1608	1	SA	
....5		2007-000256	R-CHIP;1.6Kohm,1%,1/10W,TP,1608	1	SA	
....5		2007-000336	R-CHIP;120Kohm,1%,1/10W,TP,1608	1	SA	
....5		2007-000491	R-CHIP;2.2Kohm,1%,1/10W,TP,1608	1	SA	
....5		2007-000614	R-CHIP;24Kohm,1%,1/10W,TP,1608	1	SNA	
....5		2007-000726	R-CHIP;300ohm,1%,1/10W,TP,1608	1	SA	
....5		2007-000736	R-CHIP;30Kohm,1%,1/10W,TP,1608	1	SA	
....5		2007-000744	R-CHIP;30ohm,5%,1/10W,TP,1608	1	SA	
....5		2007-000772	R-CHIP;33Kohm,1%,1/10W,TP,1608	1	SA	
....5		2007-000779	R-CHIP;33ohm,1%,1/10W,TP,1608	1	SA	
....5		2007-000857	R-CHIP;4.3Kohm,1%,1/10W,TP,1608	2	SNA	
....5		2007-000910	R-CHIP;43Kohm,1%,1/10W,TP,1608	2	SA	
....5		2007-001038	R-CHIP;56Kohm,1%,1/10W,TP,1608	2	SA	
....5		2007-001090	R-CHIP;620ohm,1%,1/10W,TP,1608	1	SA	
....5		2007-001096	R-CHIP;62Kohm,1%,1/10W,TP,1608	2	SNA	
....5		2007-001125	R-CHIP;68Kohm,1%,1/10W,TP,1608	2	SA	
....5		2007-001206	R-CHIP;82Kohm,1%,1/10W,TP,1608	1	SNA	
....5		2007-001237	R-CHIP;910ohm,1%,1/10W,TP,1608	1	SA	
....5		2007-001298	R-CHIP;51ohm,5%,1/16W,TP,1005	8	SNA	
....5		2007-001433	R-CHIP;12Kohm,1%,1/10W,TP,1608	1	SA	
....5		2007-002425	R-CHIP;1ohm,5%,1/10W,TP,1608	4	SNA	
....5		2007-002768	R-CHIP;6.2Kohm,1%,1/10W,TP,1608	1	SA	
....5		2007-007107	R-CHIP;100Kohm,1%,1/16W,TP,1005	4	SNA	
....5		2007-007132	R-CHIP;15Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-007134	R-CHIP;39Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-007135	R-CHIP;18Kohm,1%,1/16W,TP,1005	1	SNA	
....5		2007-007136	R-CHIP;4.7Kohm,1%,1/16W,TP,1005	14	SNA	
....5		2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	5	SNA	
....5		2007-007229	R-CHIP;360ohm,1%,1/10W,TP,1608	1	SA	
....5		2007-007239	R-CHIP;31.6Kohm,1%,1/10W,TP,1608	1	SNA	
....5		2007-007306	R-CHIP;100ohm,1%,1/16W,TP,1005	6	SNA	
....5		2007-007309	R-CHIP;12Kohm,1%,1/16W,TP,1005,T0.35	1	SA	
....5		2007-007310	R-CHIP;8.2Kohm,1%,1/16W,TP,1005	2	SA	
....5		2007-007311	R-CHIP;22Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-007312	R-CHIP;20Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-007315	R-CHIP;3.9Kohm,1%,1/16W,TP,1005	2	SNA	
....5		2007-007316	R-CHIP;3.3Kohm,1%,1/16W,TP,1005	4	SNA	
....5		2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	5	SNA	
....5		2007-007431	R-CHIP;91Kohm,1%,1/10W,TP,1608,T0.45	3	SA	
....5		2007-007455	R-CHIP;24.9Kohm,1%,1/10W,TP,1608	1	SA	
....5		2007-007463	R-CHIP;1.1Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-007517	R-CHIP;240ohm,1%,1/16W,TP,1005	3	SNA	
....5		2007-007538	R-CHIP;56Kohm,1%,1/16W,TP,1005	1	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....5		2007-007590	R-CHIP;82Kohm,1%,1/16W,TP,1005	1	SNA	
....5		2007-007627	R-CHIP;16Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-007651	R-CHIP;9.1Kohm,1%,1/10W,TP,1608	2	SA	
....5		2007-007721	R-CHIP;560ohm,1%,1/10W,TP,1608	1	SA	
....5		2007-007723	R-CHIP;75Kohm,1%,1/10W,TP,1608	1	SA	
....5		2007-007766	R-CHIP;2Kohm,1%,1/16W,TP,1005	5	SNA	
....5		2007-007767	R-CHIP;200ohm,1%,1/16W,TP,1005	1	SA	
....5		2007-007942	R-CHIP;1Mohm,1%,1/16W,TP,1005	2	SNA	
....5		2007-007981	R-CHIP;180Kohm,1%,1/16W,TP,1005	1	SNA	
....5		2007-008137	R-CHIP;24Kohm,1%,1/16W,TP,1005	1	SNA	
....5		2007-008167	R-CHIP;120Kohm,1%,1/16W,TP,1005	2	SC	
....5		2007-008263	R-CHIP;3Kohm,1%,1/16W,TP,1005	1	SA	
....5		2007-008294	R-CHIP;33ohm,1%,1/16W,TP,1005	1	SA	
....5		2007-008714	R-CHIP;0.01ohm,1%,1W,TP,6432	2	SA	
....5		2011-001264	R-NETWORK;10ohm,5%,1/16W,L,CHIP,8P,TP,2.	14	SNA	
....5		2011-001344	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,2	3	SA	
....5		2011-001427	R-NETWORK;0ohm,5%,1/16W,L,CHIP,8P,TP,2.0	3	SA	
....5	AD480	2203-000311	C-CER,CHIP;0.12nF,5%,50V,C0G,TP,1005	1	SA	
....5	AD480	2203-000332	C-CER,CHIP;0.012nF,5%,50V,C0G,TP,1608	2	SA	
....5	AD480	2203-000359	C-CER,CHIP;0.15nF,5%,50V,C0G,TP,1005,0.5	1	SNA	
....5	AD480	2203-000489	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1005	2	SA	
....5	AD480	2203-000575	C-CER,CHIP;220nF,10%,25V,X7R,TP,2012	1	SNA	
....5	AD480	2203-000585	C-CER,CHIP;0.22nF,10%,50V,X7R,TP,1005	1	SA	
....5	AD480	2203-000627	C-CER,CHIP;0.022nF,5%,50V,C0G,TP,1005	3	SNA	
....5	AD480	2203-000714	C-CER,CHIP;3.3nF,10%,50V,X7R,TP,1005	3	SA	
....5	AD480	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,TP,1608	1	SA	
....5	AD480	2203-000940	C-CER,CHIP;0.47nF,10%,50V,X7R,TP,1005	1	SA	
....5	AD480	2203-000995	C-CER,CHIP;0.047nF,5%,50V,C0G,TP,1005	4	SA	
....5	AD480	2203-001153	C-CER,CHIP;0.068nF,5%,50V,NP0,TP,1005	1	SA	
....5	AD480	2203-001587	C-CER,CHIP;18nF,10%,50V,X7R,1608	1	SA	
....5	AD480	2203-002050	C-CER,CHIP;47nF,10%,50V,X7R,TP,1608	3	SA	
....5	AD480	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,TP,1005	8	SNA	
....5	AD480	2203-002398	C-CER,CHIP;22nF,10%,50V,X7R,TP,1608	2	SNA	
....5	AD480	2203-002711	C-CER,CHIP;100nF,10%,25V,X7R,TP,1608	15	SA	
....5	AD480	2203-002720	C-CER,CHIP;10nF,10%,25V,X7R,TP,1005,T0.5	2	SNA	
....5	AD480	2203-002982	C-CER,CHIP;6.8nF,10%,50V,X7R,TP,1005	1	SA	
....5	AD480	2203-005138	C-CER,CHIP;1.8nF,10%,50V,X7R,TP,1005	3	SA	
....5	AD480	2203-005221	C-CER,CHIP;15nF,10%,50V,X7R,TP,1608	1	SNA	
....5	AD480	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608	6	SNA	
....5	AD480	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005,0.5T	8	SNA	
....5	AD480	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,TP,1005	7	SA	
....5	AD480	2203-006090	C-CER,CHIP;10000nF,10%,6.3V,X5R,TP,2012	2	SA	
....5	AD480	2203-006158	C-CER,CHIP;100nF,10%,16V,X7R,TP,1005,T0.	95	SNA	
....5	AD480	2203-006348	C-CER,CHIP;1000nF,10%,25V,X5R,TP,1608,0.	6	SA	
....5	AD480	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,TP,2012	2	SC	
....5	AD480	2203-006377	C-CER,CHIP;4700nF,10%,25V,X5R,TP,2012	2	SNA	
....5	AD480	2203-006474	C-CER,CHIP;22000nF,20%,6.3V,X5R,TP,2012	12	SA	

## ANNEX. Exploded View &amp; Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....5	AD480	2203-006562	C-CER,CHIP;1000nF,10%,10V,X5R,TP,1005	9	SNA	
....5	AD480	2203-006698	C-CER,CHIP;1000nF,10%,25V,X7R,TP,1608,T0	9	SNA	
....5	AD480	2203-006824	C-CER,CHIP;4700nF,10%,10V,X5R,TP,1608	1	SNA	
....5	AD480	2203-006890	C-CER,CHIP;10000nF,20%,6.3V,X5R,TP,1608	4	SNA	
....5	AD480	2203-006960	C-CER,CHIP;1000nF,10%,50V,X7R,TP,2012	3	SNA	
....5	AD480	2203-007240	C-CER,CHIP;22000nF,20%,6.3V,X5R,TP,1608(	4	SA	
....5	AD480	2203-007270	C-CER,CHIP;10000nF,10%,10V,X5R,TP,1608,0	20	SNA	
....5	AD480	2203-007306	C-CER,CHIP;10000nF,10%,25V,X5R,TP,2012,1	45	SNA	
....5	AD480	2203-007425	C-CER,CHIP;2200nF,10%,25V,X5R,TP,1608,0.	2	SNA	
....5	AD480	2203-007486	C-CER,CHIP;1000nF,10%,50V,X5R,TP,1608	1	SNA	
....5	AD480	2203-007600	C-CER,CHIP;220nF,10%,50V,X7R,TP,1608	1	SA	
....5	AD480	2203-008096	C-CER,CHIP;2200nF,10%,50V,X5R,TP,2012,1.	1	SA	
....5	AD480	2203-008315	C-CER,CHIP;22000nF,20%,25V,X5R,TP,2012,T	4	SA	
....5	AD480	2203-008412	C-CER,CHIP;4700nF,10%,50V,X5R,TP,2012,1.	3	SNA	
....5		2409-001118	C-POLYMER ,CHIP;47uF,20%,10V,WT,TP,3.5X2	1	SA	
....5		2703-003747	INDUCTOR-SMD;22uH,20%,6060,0.135ohm,1300	1	SA	
....5		2703-003790	INDUCTOR-SMD;4.7uH,20%,8080,0.025Ohm,450	1	SA	
....5		2703-003803	INDUCTOR-SMD;4.7uH,20%,6060,0.031ohm,270	1	SA	
....5		2703-003862	INDUCTOR-SMD;10uH,20%,6060,0.065ohm,1900	1	SA	
....5		2703-003937	INDUCTOR-SMD;1uH,20%,7.0x6.47x3.0mm,0.00	1	SA	
....5		2703-004847	INDUCTOR-SMD;4.7uH,20%,3838,1.8T,0.075Oh	4	SA	
....5		2801-005324	CRYSTAL-SMD;27MHz,30ppm,Ceramic SMD(4pin	1	SA	
....5		2901-001362	FILTER-EMI/ESD;5.5V,0A,50pF,2.05x1.25x0.	3	SNA	
....5		3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	2	SA	
....5		3301-002039	BEAD-SMD;26ohm,1608,TP	17	SA	
....5		3601-001402	FUSE-SURFACE MOUNT;125V,7A,FAST-ACTING,C	1	SNA	
....5		3708-003043	CONNECTOR-FPC/FFC/PIC;80P,0.5mm,SMD-A,AU	2	SA	
....5		3708-003073	CONNECTOR-FPC/FFC/PIC;51P,0.5mm,SMD-A,AU	1	SA	
....5	EH01	3711-005601	HEADER-BOARD TO CABLE;BOX,8P,1R,2mm,SMD-	1	SA	
....5		6302-001290	GASKET;SMR-TS-4-4.5-3,4.0mm,Ni+Au+SUS+Mg	4	SNA	
....5		BN41-02132A	PCB-TCON;2014 SHARP FHD 120Hz,FR-4,4L,1.	1	SNA	
....5		BN97-08171A	ASSY MICOM;H60H1F005_5517_140217,2014.02	1	SNA	
....6		1107-002224	IC-FLASH MEM. MODULE;W25X40CLSSIG,4Mbit,	1	SNA	
..3	OC	BN96-30084A	ASSY OPEN CELL;LQ600D3HD6K,16:9,60"120Hz	1	SA	
...4		BN81-08338A	A/S-IC DRIVER SOURCE;LK600D3HD3K,S6C277G	1	SNA	
...4		BN81-08339A	A/S-GATE IC;LH16E001,272ch, 2pf, for Dua	1	SNA	
...4		BN81-09554A	A/S-ASSY PCB SOURCE;LQ600D3HD6K,RUNTK553	1	SNA	
...4		BN81-09555A	A/S-ASSY PCB SOURCE;LQ600D3HD6K,RUNTK553	1	SNA	
...4		BN81-09556A	A/S-ASSY PCB SOURCE;LQ600D3HD6K,RUNTK553	1	SNA	
...4		BN81-09557A	A/S-ASSY PCB SOURCE;LQ600D3HD6K,RUNTK553	1	SNA	
...4		BN81-09559A	A/S-POLARIZER CF;LQ600D3HD6K,PFILV1868TP	1	SNA	
...4		BN81-09560A	A/S-POLARIZER TFT;LQ600D3HD6K,PFILV1869T	1	SNA	
..3	TC01A	BN96-30743B	ASSY CHASSIS FRONT P;60H6300,PC+ABS+GF15	1	SC	
...4		BN60-00715A	SPACER-CONDUCTIVE;Y13 Slim F-LED,CONDUCT	2	SNA	
...4		BN60-00930N	SPACER-CONDUCTIVE;Y14 NNB 60",CONDUCTIVE	2	SNA	
...4		BN60-00930P	SPACER-CONDUCTIVE;Y14 NNB 60",CONDUCTIVE	2	SNA	
...4		BN60-00983B	SPACER-CONDUCTIVE;Y14 SF-LED,CONDUCTIVE	3	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...4	CCM1	BN63-02183B	SHEET-PROTECTION COVER;Rhcm,PE,T0.04,W15	4	SNA	
...4	AS080	BN63-07556X	SHEET-PROTECTION COVER;F-LED 3D VE,PO,T0	3	SNA	
...4	AS080	BN63-07556Z	SHEET-PROTECTION COVER;Y13 SF-LED,PO,T0.	1	SNA	
...4	AS080	BN63-10945C	SHEET-PROTECTION COVER;Y13 SF-LED,PO,T0.	1	SNA	
...4	FW04	BN64-02480A	WINDOW-REMOCON;40UH5500,PC,V-2,RD0120	1	SNA	
...4	AC157	BN64-02498A	CHASSIS-FRONT;Y14 F-LED 60" 5.5K-6K,PC+A	1	SNA	
..3	OC-TC	BN96-30783B	FFC CABLE;H6000,Straight,L57,80P	2	SNA	
..3	SB05A	BN96-31500A	ASSY BRACKET P-STAND LINK;UH6300,6400,EG	2	SNA	
...4		BN61-02932L	STUD-PEM;LED TV,SUM24L,T0.8,L7.5,PRESS	2	SNA	
...4	CB18	BN61-10361A	BRACKET-STAND LINK;EGI-SECC,T2,NATURAL	2	SNA	
1		BN91-15485H	ASSY SHIELD;LED_J6K	1	SNA	
0.2	SCREW	6001-003081	SCREW-MACHINE;PWH,+,M3,L5,ZPC(WHT),SWRCH	10	SA	
0.2		BN02-00102B	TAPE-SINGLE FACE;FILAMENT,#8917,T0.15,W2	0	SNA	
0.2	16P	BN39-01884B	LEAD CONNECTOR-SUB ASSY;UN40H5200AF,UL21	1	SA	
0.2		BN39-02001K	LEAD CONNECTOR-SUB ASSY;FLAT CONNECTOR A	1	SA	
0.2	EC13	BN39-02036G	LEAD CONNECTOR-POWER;60/65J6200,UL21016,	1	SA	
0.2	P001A	BN44-00705C	DC VSS-PD BOARD;L60S1_FSM,AC/DC,190W,100	1	SA	
0.2	WIFI	BN59-01174D	NETWORK-WLAN CLIENT;WIDT30Q,58x31.45x8.5	1	SA	
0.2	HOLDER-LED SCREW	BN61-09175B	SCREW-MACHINE;BH,+,M3,L10,ZPC(WHT),SWRCH	2	SA	
0.2	CD01A	BN95-01460A	ASSY DECORATION SMT;6000,60,LIGHT TITAN	1	SA	
..3		0203-007002	TAPE-SINGLE FACE;OPP,T0.06,W75,L66M,CLEA	0	SNA	
..3		0204-007390	COATING;UVICHEM CVM92000(VOC) Matt(3),Ye	0	SNA	
..3		BN01-00337A	TARGET-ALUMINIUM CY;Al,99.9%,1924mm, 132	0	SNA	
..3		BN01-00340A	TARGET-CHROMIUM CY;Cr,99.5%,1924mm, 132d	0	SNA	
..3	FD01	BN63-11682A	COVER-DECORATION;UH6300-60,PC+ABS+GF15%,	1	SNA	
...4		0103-010275	RESIN PC ABS;235GNH15/6919H,Black,BK0007	251	SNA	
...4		BN63-07556C	SHEET-PROTECTION COVER;TOC,PO,T0.068,W50	1	SNA	
..3		BN68-03920A	LABEL BOX;ALL,ART PAPER,W100,L75,W/W,100	1	SNA	
..3		BN69-10522B	P/TRAY-DP;- ,305,541,400,PAPER,-,-,-,TRAY	1	SNA	
..3		BN69-10523C	BOX UNIT-DP SMT;60" SMT DECORATION,PAPER	1	SNA	
0.2	BT	BN96-30218F	NETWORK-BLUETOOTH;WIBT40A,34.79x28x7.7mm	1	SA	
0.2	SP01A	BN96-30334M	ASSY SPEAKER P-FRONT;TV-SPK,J6200,6ohm,1	1	SA	
0.2	FB01A	BN96-30902D	ASSY BOARD P-FUNCTION JOG;UH6500,CT15SD0	1	SA	
0.2		BN96-36274L	FFC CABLE;60J6200,Fold,L500,51P	1	SA	
0.2	T0382	BP61-00495C	TAPE SINGLE FACE;ACRYL,PJT,ACRYL FOAM,T0	1	SNA	
1	M0017	BN91-17293D	ASSY CHASSIS;LEDTV 6K	1	SNA	
0.2	M0014	BN94-10816C	ASSY PCB MAIN;LEDTV 6K	1	SA	
..3		BN61-08813A	COVER-TERMINAL SIDE;HIPS,HIPS,MOLD,BK002	1	SNA	
...4		0103-004628	RESIN HIPS;HF-1690H,K2901,BK0020,1.5mm H	13	SNA	
..3	AH020	BN62-00765A	HEAT SINK-PS;Y15 FHD (Main),A1050,W127,L	1	SNA	
..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	



ANNEX. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...3		BN97-10662D	ASSY SMD;LED TV 6K	1	SNA	
...4		0202-001899	SOLDER-CREAM;M705-GRN360-K2-VT,20-38um,S	4	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,	9	SA	
...4		0406-001200	DIODE-TVS;RClamp0504F,6V,1MAV,TP	3	SA	
...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		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		0801-003330	IC-CMOS LOGIC;Octal buffer,DQFN,20P,4.5x	2	SA	
...4		1001-001872	IC-ANALOG SWITCH;NLAS2750MUTAG,Dual SPDT	1	SA	
...4		1103-001564	IC-EEPROM;S-24C512CI-J800,512Kbit,64Kx8,	1	SA	
...4		1105-002528	IC-DDR3 SDRAM;K4B4G1646D-BCMA,DDR3 1866,	3	SA	
...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		1203-006330	IC-POWER SUPERVISOR;TPS2065DBV,SOT-23,5P	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		1203-008104	IC-POS.FIXED REG.;S-13A1D18-E800,HSOP,8	2	SNA	
...4		1203-008105	IC-POS.FIXED REG.;S-13A1D33-E800,HSOP,8	1	SNA	
...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		1203-008454	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.	3	SA	
...4		1405-001271	VARISTOR;35V,20VDC,5A,1005,TP,100V,10pF	15	SA	
...4		2007-000137	R-CHIP;2Kohm,5%,1/16W,TP,1005	16	SNA	
...4		2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	38	SNA	
...4		2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	24	SNA	
...4		2007-000166	R-CHIP;300Kohm,5%,1/16W,TP,1005	1	SA	
...4		2007-000170	R-CHIP;1Mohm,5%,1/16W,TP,1005	1	SNA	
...4		2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	19	SNA	
...4		2007-000174	R-CHIP;47ohm,5%,1/16W,TP,1005	28	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		2007-001125	R-CHIP;68Kohm,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	5	SNA	



Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...4		2007-001298	R-CHIP;51ohm,5%,1/16W,TP,1005	1	SNA	
...4		2007-007107	R-CHIP;100Kohm,1%,1/16W,TP,1005	15	SNA	
...4		2007-007132	R-CHIP;15Kohm,1%,1/16W,TP,1005	4	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	1	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	5	SNA	
...4		2007-007137	R-CHIP;1.2Kohm,1%,1/16W,TP,1005	1	SA	
...4		2007-007138	R-CHIP;27Kohm,1%,1/16W,TP,1005	2	SNA	
...4		2007-007139	R-CHIP;47Kohm,1%,1/16W,TP,1005,T0.35	3	SA	
...4		2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	21	SNA	
...4		2007-007306	R-CHIP;100ohm,1%,1/16W,TP,1005	18	SNA	
...4		2007-007307	R-CHIP;150ohm,1%,1/16W,TP,1005	1	SNA	
...4		2007-007309	R-CHIP;12Kohm,1%,1/16W,TP,1005,T0.35	2	SA	
...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		2007-007316	R-CHIP;3.3Kohm,1%,1/16W,TP,1005	1	SNA	
...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	21	SNA	
...4		2007-007431	R-CHIP;91Kohm,1%,1/10W,TP,1608,T0.45	1	SA	
...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	4	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		2007-007766	R-CHIP;2Kohm,1%,1/16W,TP,1005	5	SNA	
...4		2007-007767	R-CHIP;200ohm,1%,1/16W,TP,1005	5	SA	
...4		2007-007861	R-CHIP;62Kohm,1%,1/16W,TP,1005	1	SA	
...4		2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	14	SNA	
...4		2007-008213	R-CHIP;4.3Kohm,1%,1/16W,TP,1005	3	SNA	
...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	14	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	6	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	1	SNA	
...4	AD480	2203-000233	C-CER,CHIP;0.1nF,5%,50V,C0G,TP,1005	9	SA	
...4	AD480	2203-000278	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,TP,1005	4	SA	

## ANNEX. Exploded View &amp; Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...4	AD480	2203-000359	C-CER,CHIP;0.15nF,5%,50V,C0G,TP,1005,0.5	3	SNA	
...4	AD480	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,TP,1005	13	SA	
...4	AD480	2203-000489	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1005	3	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	2203-000679	C-CER,CHIP;0.027nF,5%,50V,C0G,TP,1005	2	SA	
...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	13	SNA	
...4	AD480	2203-002711	C-CER,CHIP;100nF,10%,25V,X7R,TP,1608	1	SA	
...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,T0.	6	SA	
...4	AD480	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608	4	SNA	
...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	4	SNA	
...4	AD480	2203-006158	C-CER,CHIP;100nF,10%,16V,X7R,TP,1005,T0.	124	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.	6	SA	
...4	AD480	2203-006562	C-CER,CHIP;1000nF,10%,10V,X5R,TP,1005	21	SNA	
...4	AD480	2203-006824	C-CER,CHIP;4700nF,10%,10V,X5R,TP,1608	5	SNA	
...4	AD480	2203-006838	C-CER,CHIP;2200nF,10%,6.3V,X5R,TP,1005	11	SA	
...4	AD480	2203-006890	C-CER,CHIP;10000nF,20%,6.3V,X5R,TP,1608	49	SNA	
...4	AD480	2203-007176	C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012,1	1	SNA	
...4	AD480	2203-007240	C-CER,CHIP;22000nF,20%,6.3V,X5R,TP,1608(	32	SA	
...4	AD480	2203-007269	C-CER,CHIP;22000nF,20%,10V,X5R,TP,2012(2	27	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	4	SNA	
...4	AD480	2203-007544	C-CER,CHIP;100nF,10%,50V,X7R,TP,1005,T0.	12	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		2703-001938	INDUCTOR-SMD;56nH,5%,1005,1.5Ohm,200mA,1	3	SA	
...4		2703-003713	INDUCTOR-SMD;1.5uH,20%,7366,0.015Ohm,700	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%,6060,T4.5,0.02Ohm	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		2801-004477	CRYSTAL-SMD;24.576MHz,20ppm,SMD,18pF,15o	1	SA	
...4		3301-000314	BEAD-SMD;120ohm,1608,TP,120ohm/100MHz	5	SNA	
...4		3301-001364	BEAD-SMD;1000ohm,1608,TP,1085ohm/108MHz,	2	SNA	
...4		3301-002039	BEAD-SMD;26ohm,1608,TP	41	SA	
...4		3601-001374	FUSE-SURFACE MOUNT;32V,5A,FAST-ACTING,PL	2	SA	
...4		3701-001856	CONNECTOR-HDMI;19P,A,FEMALE,AU,0.5mm,BLK	1	SA	

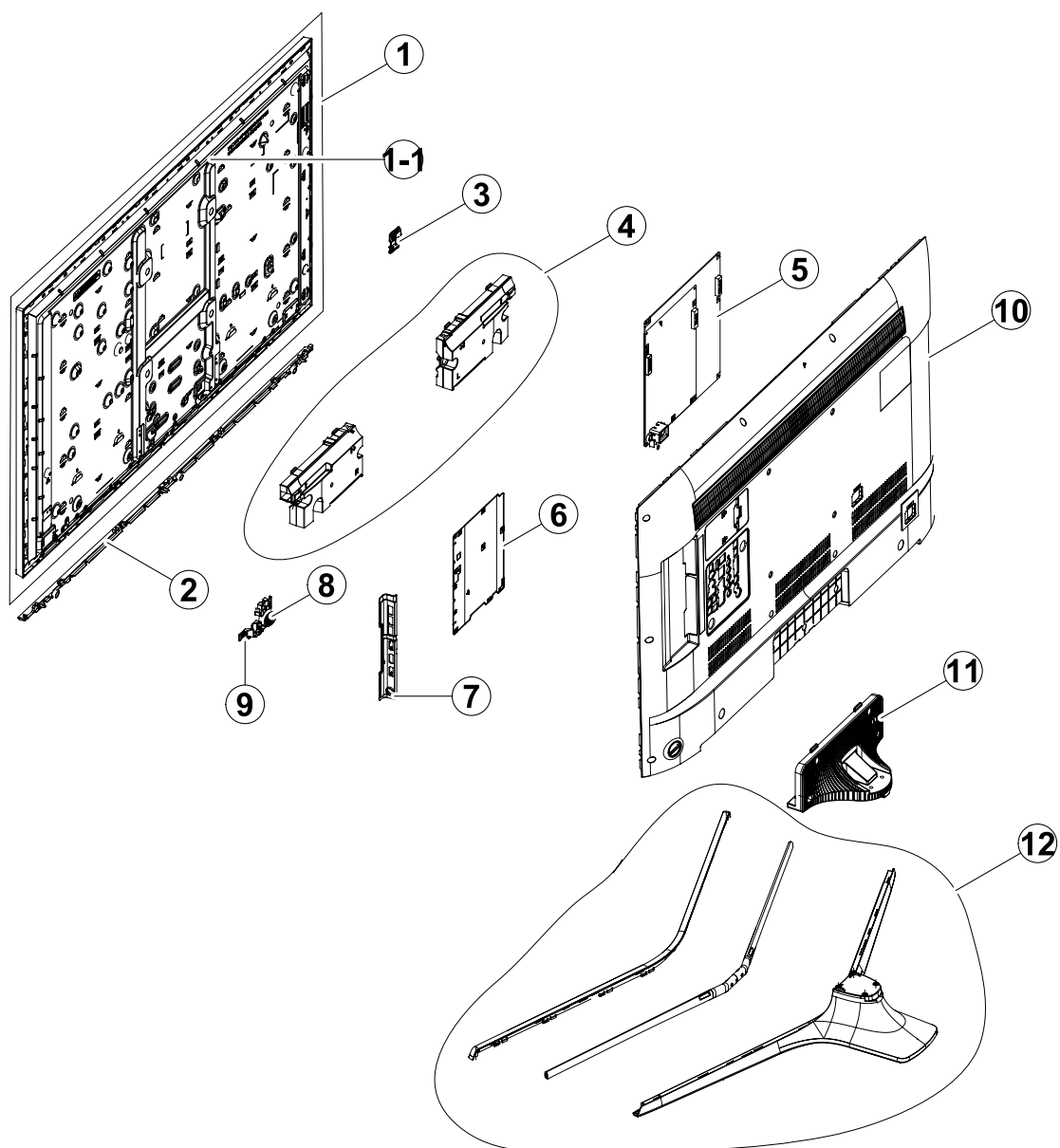
Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...4		3701-001861	CONNECTOR-HDMI;19P,A,FEMALE,AU,0.5mm,BLK	3	SA	
...4		3707-001106	CONNECTOR-OPTICAL;STRAIGHT,SPDIF,2.5PI	1	SA	
...4		3708-003073	CONNECTOR-FPC/FFC/PIC;51P,0.5mm,SMD-A,AU	1	SA	
...4		3710-003908	CONNECTOR-SOCKET;64P,2R,0.5mm,SMD-S,AU,B	1	SA	
...4		3711-007585	CONNECTOR-HEADER;BOX,4P,1R,2.5mm,ANGLE,S	1	SA	
...4	EH01	3711-008488	HEADER-BOARD TO CABLE;BOX,14P,2R,2mm,ANG	1	SA	
...4	EH01	3711-008558	HEADER-BOARD TO CABLE;BOX,26P,2R,1.25mm,	1	SA	
...4		3722-003229	JACK-MODULAR;8P/8C,Y,STRAIGHT,NONE,AU,1P	1	SA	
...4		3722-003457	JACK-USB;4P/1C,NI,BLK,ANGLE,A,2.0,13.1x1	3	SA	
...4	JACK PIN	3722-003546	JACK-PIN;5P,NI/SN,BLU/GRN/RED/WHT/YEL,SM	1	SA	
...4		3722-003667	JACK-PHONE;1P/7C,NI/SN,BLK,STRAIGHT,3.6P	1	SA	
...4		6302-001376	GASKET-SMD;;,CONDUCTIVE FABRIC,T14,W43,L	4	SNA	
...4	ET01	BN40-00313A	TUNER-DTV AIR CABLE;DTOS40EH5A,DVB-TC Ha	1	SA	
...4		BN41-02353C	PCB-MAIN;J5500~6500,FR-4,4L,1.2T,158x193	1	SNA	
...4		BN97-09450A	ASSY MICOM;T-HKMFDEUC,Hawk-M FHD 5/6	1	SNA	
...5		1107-002341	IC-EMMC;THGBMBG5D1KBAIT,4GB,BGA,153P,11x	1	SA	
...4		BN97-09454A	ASSY MICOM;HMMICOM_FHD_EU	1	SNA	
...5		1107-002226	IC-NOR FLASH;W25Q40CLSSIP,4Mbit,SOIC,8P,	1	SA	
1		BN92-17127H	ASSY LABEL;LED_J6K	1	SNA	
0.2		0203-001598	TAPE-SINGLE FACE;FILAMENT,#8915,T0.15,W1	0	SNA	
0.2		BN68-06708G	LABEL-RATING;Monitor,WW,PP,T0.161,W93,L7	1	SNA	
0.2		BN68-07063C	LEAFLET-QUICK SETUP GUIDE;UJ6200,EUROPE,	1	SNA	
1		BN92-17128R	ASSY P/MATERIAL;LED_J6000	1	SNA	
0.2		6902-001955	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	T0214	AA61-20285C	HOLDER-BOX;ALL,PP,MOLD,BLACK,HB,HB,17.5g	4	SNA	
0.2		BN02-00319B	TAPE-SINGLE FACE;OPP,T0.05,W75,L800M,CLE	2	SNA	
0.2		BN68-02422B	LABEL WARNING;ALL,ART PAPER,T0.05,W240,L	1	SNA	
0.2		BN69-03982J	PACKING ANGLE;ALL,PAPER,-,-,-,-,-,-,-	1	SNA	
0.2		BN69-05418M	WRAP;T0.017,500,2000000,2000000,500	0	SNA	
0.2		BN69-06640E	PAD-PACKING;TRUCK PAD,CB,-,W410,L2500,,	1	SNA	
0.2		BN69-06642B	PAD-DP SHEET;PAD,CB,SW4,,W1500,L1100,,,	1	SNA	
0.2		BN69-10937M	PALLET-DP WOODEN;60" H6203,WOOD,-,W1200,	1	SNA	
0.2		BN69-12434A	CUSHION-SET;60J6200-VS,EPS,16.7g/l,WHT,0	1	SNA	
..3		0103-005099	RESIN EPS;BASF303,Natural,Natural	1056	SNA	
0.2		BN69-12437A	CUSHION-SET SIDE;60J6200,EPS,16.7g/L,WHT	1	SNA	
1		BN92-19862C	ASSY BOX;LEDTV 6K	1	SNA	
0.2		BH68-00662A	LABEL BOX;ALL,ART PAPER,W60,L110,WHT,NO	1	SNA	
0.2		BN68-05640A	LABEL BOX;ALL,ART PAPER,W110,L130,EUROPE	1	SNA	
0.2		BN69-12178A	BOX UNIT-IN;60J6300,CB,DW1,C1,L1960,W490	1	SNA	
0.2		BN69-12685T	BOX UNIT-OUT;60J6240,CB,DW4,C3,L1670,W16	1	SNA	
1	ACCE1	BN92-19922J	ASSY ACCESSORY;LEDTV 6K	1	SNA	
0.2		BN68-07519A	LABEL-ENERGY;ALL JORDAN,WW,PP,T0.135,W60	1	SNA	
0.2	ACCE2	BN96-35678B	ASSY ACCESSORY-CABLE;UE48J6200AKXXC	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	

ANNEX. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
..3		4301-000121	BATTERY-MN;1.5V,R03,10.5x44.5m,7.5g,AAA	2	SNA	
..3		6902-001965	BAG PE;LDPE,BIOBASED,T0.05,W200,L300,TRP	1	SNA	
..3	REMO3	BN59-01198Q	REMOCON-TV;2014 TV,Samsung,49KEY,3V,EURO	1	SA	
..3	HOLDER- WIRE	BN61-08370A	HOLDER-STAND CABLE;26UE4000,PA66,MOLD	1	SA	
..3	T0527	BN68-00513A	LABEL-E PASS;ALL MODEL,WW,YUPO,W50,L15,W	2	SNA	
0.2	ACCE4	BN96-39492K	ASSY ACCESSORY-MANUAL;UE50J6240AWXXH	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		BN68-07177Y	MANUAL USERS;J6240,XH,W/P,EURO B5	1	SNA	
..3		BN68-07598A	LEAFLET-FICHE;ALL,W/P,0	1	SNA	

## ANNEX. Exploded View & Part List [UE40J6240AWXXH FA01]

### 1-1. Exploded View



**1-1-1. Parts List**

No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
1	BN95-01316N	PRODUCT LCD-SDC; CY-GH040BGLVBH/V,J6200,	1	SA	
1-1	BN96-30576J	ASSY CHASSIS FRONT P; 40J6200,PC+ABS+GF15	1	SNA	
2	BN95-01456A	ASSY DECORATION SMT; 6000,40,LIGHT TITAN	1	SA	
3	BN96-30218F	NETWORK-BLUETOOTH; WIBT40A,34.79x28x7.7m	1	SA	
4	BN96-30335D	ASSY SPEAKER P-FRONT; TV-SPK,J5500,6ohm,1	1	SA	
5	BN44-00703H	DC VSS-PD BOARD; L48S1_FDY,AC/DC,146W,100	1	SA	
6	BN94-10812D	ASSY PCB MAIN; LEDTV 6K	1	SA	
7	BN61-08813A	COVER-TERMINAL SIDE; HIPS,HIPS,MOLD,BK002	1	SNA	
8	BN96-30902Y	ASSY BOARD P-FUNCTION JOG; UH6400,CT15SD	1	SA	
9	BN59-01174D	NETWORK-WLAN CLIENT; WIDT30Q,58x31.45x8.5	1	SA	
10	BN96-36529F	ASSY COVER P-REAR; 40J6200,PC+ABS,BK0008,	1	SA	
11	BN61-11465A	GUIDE-STAND; J5100/5500 40",PC+GF20%,MOLD	1	SA	
12	BN96-35224L	ASSY STAND P-BOTTOM; 5500 40,PC+ABS+GF20	1	SA	

## 2-1. Electrical Parts List

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

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
			UE40J6240AWXXH (FA01)			
1	S001A	BN90-06496Y	ASSY STAND;J5000	1	SNA	
0.2	SG03	BN61-11465A	GUIDE-STAND;J5100/5500 40",PC+GF20%,MOLD	1	SA	
..3		0103-007285	RESIN PC;HF3200H,K21294,BK0007,V-2	280	SNA	
0.2	SB04A	BN96-35224L	ASSY STAND P-BOTTOM;5500 40,PC+ABS+GF20%	1	SA	
..3	SCREW	6003-001001	SCREW-TAPTYPE;FH,+,-,B,M3,L8,ZPC(BLK),SW	2	SA	
..3		6902-002486	BAG PE;HDPE/PE FOAM,T0.015/T0.5,W100,L35	2	SNA	
..3		6902-002487	BAG PE;HDPE/PE FOAM,T0.015/T0.5,W250,L30	1	SNA	
..3		BN61-07463B	TAPE-DOUBLE FACE;ACRYL,T0.25,W7,CLEAR	0	SNA	
..3	HOLDER-BOLT	BN61-09494D	HOLDER-BOLT;KU6500,SWRCH18A,BLK,PRESS,B	2	SA	
..3		BN61-11430A	BRACKET-STAND BODY;HGI,T1.6,NATURAL,12.7	1	SNA	
..3		BN63-13258A	COVER-STAND TOP;Y15 F-LED J5100/5500 40"	1	SNA	
...4		0103-009946	RESIN PC ABS;HM-1200,BLACK,BK0007,V-1	300	SNA	
..3	RF01	BN67-00398L	FOOT-RUBBER;UH6K,Si,GRAY,W8,L15.5,T2	1	SNA	
..3	RF01	BN67-00538A	FOOT-RUBBER;LED_J4000,Si,GRAY,W8,L15.5,T	4	SNA	
..3		BN95-02140F	ASSY COVER STAND SMT;J5500 40,40,DARK TI	1	SNA	
...4		0206-001653	PAINT;CVM87100,SEMI GLOSS,UV Paint,N	4	SNA	
...4		BN01-00160A	TARGET-CHROMIUM CY;Chromium,99.95%,1800x	0	SNA	
...4		BN63-13262A	COVER-STAND DECORATION;J5100/5500 40",PC	1	SNA	
....5		0103-005041	RESIN PC ABS;FR3200TV,901408,BK0008,1.2m	62	SNA	
1	R001A	BN90-06523J	ASSY COVER REAR;LED_J6K	1	SNA	
0.2	SCREW	6001-002755	SCREW-MACHINE;BH,+,M3,L6,ZPC(BLK),SWRCH1	15	SA	
0.2	SCREW	6003-001782	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	1	SA	
0.2	R001A	BN96-36529F	ASSY COVER P-REAR;40J6200,PC+ABS,BK0008,	1	SA	
..3	R001	BN63-13935N	COVER-REAR;40J5500,PC+ABS,MOLD,V-1,BK000	1	SNA	
...4		0103-010376	RESIN PC ABS;FR3012 / 901510,BLACK,BK000	1600	SNA	
..3	T0071	BN64-02886T	INLAY-TERMINAL;J6200,PS,T0.3,BLACK,EO	1	SNA	
..3		BN68-03518F	LABEL-STICKER CI SLOT;WW,ALL,PET,T0.1,W1	1	SNA	
..3		BN68-07096Q	INLAY-TERMINAL SIDE;J6200,PET,T0.03,W14.	1	SNA	
1		BN90-06667B	ASSY W/I;LED_J6K	1	SNA	
0.2		BN81-08159Z	A/S PART SET-ELEC W/I;LED TV ELEC spec-C	1	SNA	
0.2		BN81-11260K	A/S PART SET-MECH W/I;UJ6L,U40JL*	1	SNA	
1		BN91-14440E	ASSY SHIELD;LED_J6 Series	1	SNA	
0.2	SCREW	6001-003016	SCREW-MACHINE;PWH,+,M3,L5.0,ZPC(WHT),SWR	10	SA	
0.2		BN02-00102B	TAPE-SINGLE FACE;FILAMENT,#8917,T0.15,W2	0	SNA	
0.2	16P	BN39-01884B	LEAD CONNECTOR-SUB ASSY;UN40H5200AF,UL21	1	SA	
0.2		BN39-02001Q	LEAD CONNECTOR-SUB ASSY;FLAT CONNECTOR A	1	SA	
0.2	14P10P	BN39-02036A	LEAD CONNECTOR-POWER;40J5500,UL21016,14P	1	SA	
0.2	P001A	BN44-00703H	DC VSS-PD BOARD;L48S1_FDY,AC/DC,146W,100	1	SA	
0.2	WIFI	BN59-01174D	NETWORK-WLAN CLIENT;WIDT30Q,58x31.45x8.5	1	SA	
0.2	HOLDER-LED SCREW	BN61-09175B	SCREW-MACHINE;BH,+,M3,L10,ZPC(WHT),SWRCH	2	SA	
0.2	CD01A	BN95-01456A	ASSY DECORATION SMT;6000,40,LIGHT TITAN	1	SA	



ANNEX. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
..3		BN01-00160A	TARGET-CHROMIUM CY;Chromium,99.95%,1800x	1	SNA	
..3		BN01-00161A	TARGET-CHROMIUM PL;Chromium,99.95%,1800x	1	SNA	
..3		BN02-00353A	COATING;SSVD-39,1.9~2%,1~10 cps,CLEAR,1.	2	SNA	
..3	FD01	BN63-11678A	COVER-DECORATION;UH6300-40,PC+ABS+GF15%,	1	SNA	
..3		BN63-13128H	SHEET-PROTECTION COVER;LED,AL,T0.05,W25,	1	SNA	
..3		BN68-03682A	LABEL-STICKER;Label,W20,L10	1	SNA	
0.2	BT	BN96-30218F	NETWORK-BLUETOOTH;WIBT40A,34.79x28x7.7mm	1	SA	
0.2	SP01A	BN96-30335D	ASSY SPEAKER P-FRONT;TV-SPK,J5500,6ohm,1	1	SA	
0.2	FB01A	BN96-30902Y	ASSY BOARD P-FUNCTION JOG;UH6400,CT15SD0	1	SA	
..3	JOG	BN96-30902A	ASSY BOARD P-FUNCTION JOG;UH5000,KUDNFL0	1	SNA	
..3	IR	BN96-30904A	ASSY BOARD P-IR FUNCTION;UH5500,CT20SD12	1	SNA	
0.2		BN96-36274G	FFC CABLE;40J6200,Fold,L350,51P	1	SA	
1	M0017	BN91-17289D	ASSY CHASSIS;LEDTV 6K	1	SNA	
0.2	M0014	BN94-10812D	ASSY PCB MAIN;LEDTV 6K	1	SA	
..3		0202-001608	SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0.	0	SNA	
..3		BN61-08813A	COVER-TERMINAL SIDE;HIPS,HIPS,MOLD,BK002	1	SNA	
...4		0103-004631	RESIN HIPS;HF-1690H,K21294,BK0007,1.5mm	22	SNA	
..3	AH020	BN62-00765A	HEAT SINK-PS;Y15 FHD (Main),A1050,W127,L	1	SNA	
..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		BN97-11556D	ASSY SMD;LED TV	1	SNA	
...4		0202-001976	SOLDER-CREAM;LST-309M-K21,20~38um,96.5Sn	4	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,	9	SA	
...4		0406-001200	DIODE-TVS;RClamp0504F,6V,1MAV,TP	3	SA	
...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		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		0801-003330	IC-CMOS LOGIC;Octal buffer,DQFN,20P,4.5x	2	SA	
...4		1001-001872	IC-ANALOG SWITCH;NLAS2750MUTAG,Dual SPDT	1	SA	
...4		1103-001564	IC-EEPROM;S-24C512CI-J800,512Kbit,64Kx8,	1	SA	
...4		1105-002528	IC-DDR3 SDRAM;K4B4G1646D-BCMA,DDR3 1866,	3	SA	
...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		1203-006330	IC-POWER SUPERVISOR;TPS2065DBV,SOT-23,5P	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	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...4		1203-008104	IC-POSIFIXED REG.;S-13A1D18-E800,HSOP,8	2	SNA	
...4		1203-008105	IC-POSIFIXED REG.;S-13A1D33-E800,HSOP,8	1	SNA	
...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		1203-008454	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.	3	SA	
...4		1405-001271	VARISTOR;35V,20VDC,5A,1005,TP,100V,10pF	15	SA	
...4		2007-000137	R-CHIP;2Kohm,5%,1/16W,TP,1005	16	SNA	
...4		2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	38	SNA	
...4		2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	24	SNA	
...4		2007-000166	R-CHIP;300Kohm,5%,1/16W,TP,1005	1	SA	
...4		2007-000170	R-CHIP;1Mohm,5%,1/16W,TP,1005	1	SNA	
...4		2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	21	SNA	
...4		2007-000174	R-CHIP;47ohm,5%,1/16W,TP,1005	28	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		2007-001125	R-CHIP;68Kohm,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	5	SNA	
...4		2007-001298	R-CHIP;51ohm,5%,1/16W,TP,1005	1	SNA	
...4		2007-007107	R-CHIP;100Kohm,1%,1/16W,TP,1005	15	SNA	
...4		2007-007132	R-CHIP;15Kohm,1%,1/16W,TP,1005	4	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	1	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	5	SNA	
...4		2007-007137	R-CHIP;1.2Kohm,1%,1/16W,TP,1005	1	SA	
...4		2007-007138	R-CHIP;27Kohm,1%,1/16W,TP,1005	2	SA	
...4		2007-007139	R-CHIP;47Kohm,1%,1/16W,TP,1005,T0.35	3	SA	
...4		2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	21	SNA	
...4		2007-007306	R-CHIP;100ohm,1%,1/16W,TP,1005	18	SNA	
...4		2007-007307	R-CHIP;150ohm,1%,1/16W,TP,1005	1	SNA	
...4		2007-007309	R-CHIP;12Kohm,1%,1/16W,TP,1005,T0.35	2	SA	
...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		2007-007316	R-CHIP;3.3Kohm,1%,1/16W,TP,1005	1	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	21	SNA	
...4		2007-007431	R-CHIP;91Kohm,1%,1/10W,TP,1608,T0.45	1	SA	
...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	SA	
...4		2007-007517	R-CHIP;240ohm,1%,1/16W,TP,1005	4	SNA	

## ANNEX. Exploded View &amp; Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...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		2007-007766	R-CHIP;2Kohm,1%,1/16W,TP,1005	5	SNA	
...4		2007-007767	R-CHIP;200ohm,1%,1/16W,TP,1005	5	SA	
...4		2007-007861	R-CHIP;62Kohm,1%,1/16W,TP,1005	1	SA	
...4		2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	14	SA	
...4		2007-008213	R-CHIP;4.3Kohm,1%,1/16W,TP,1005	3	SNA	
...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	14	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	6	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	1	SNA	
...4	AD480	2203-000233	C-CER,CHIP;0.1nF,5%,50V,C0G,TP,1005	9	SA	
...4	AD480	2203-000278	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,TP,1005	4	SA	
...4	AD480	2203-000359	C-CER,CHIP;0.15nF,5%,50V,C0G,TP,1005,0.5	3	SA	
...4	AD480	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,TP,1005	13	SA	
...4	AD480	2203-000489	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1005	3	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	2203-000679	C-CER,CHIP;0.027nF,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	13	SNA	
...4	AD480	2203-002711	C-CER,CHIP;100nF,10%,25V,X7R,TP,1608	1	SA	
...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	6	SA	
...4	AD480	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608	5	SNA	
...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	4	SNA	
...4	AD480	2203-006158	C-CER,CHIP;100nF,10%,16V,X7R,TP,1005,T0.	124	SNA	
...4	AD480	2203-006257	C-CER,CHIP;470nF,10%,6.3V,X5R,TP,1005,0.	1	SA	
...4	AD480	2203-006348	C-CER,CHIP;1000nF,10%,25V,X5R,TP,1608,0.	5	SA	
...4	AD480	2203-006562	C-CER,CHIP;1000nF,10%,10V,X5R,TP,1005	21	SNA	
...4	AD480	2203-006824	C-CER,CHIP;4700nF,10%,10V,X5R,TP,1608	5	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...4	AD480	2203-006838	C-CER,CHIP;2200nF,10%,6.3V,X5R,TP,1005	11	SA	
...4	AD480	2203-006890	C-CER,CHIP;10000nF,20%,6.3V,X5R,TP,1608	49	SA	
...4	AD480	2203-007176	C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012,1	1	SNA	
...4	AD480	2203-007240	C-CER,CHIP;22000nF,20%,6.3V,X5R,TP,1608(	32	SA	
...4	AD480	2203-007269	C-CER,CHIP;22000nF,20%,10V,X5R,TP,2012(2	27	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	4	SNA	
...4	AD480	2203-007544	C-CER,CHIP;100nF,10%,50V,X7R,TP,1005,T0.	12	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		2703-001938	INDUCTOR-SMD;56nH,5%,1005,1.5Ohm,200mA,1	3	SA	
...4		2703-003713	INDUCTOR-SMD;1.5uH,20%,7366,0.015Ohm,700	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%,6060,T4.5,0.02Ohm	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		2801-004477	CRYSTAL-SMD;24.576MHz,20ppm,SMD,18pF,15o	1	SA	
...4		3301-000314	BEAD-SMD;120ohm,1608,TP,120ohm/100MHz	5	SNA	
...4		3301-001364	BEAD-SMD;1000ohm,1608,TP,1085ohm/108MHz,	2	SNA	
...4		3301-002039	BEAD-SMD;26ohm,1608,TP	41	SA	
...4		3601-001374	FUSE-SURFACE MOUNT;32V,5A,FAST-ACTING,PL	2	SA	
...4		3701-001856	CONNECTOR-HDMI;19P,A,FEMALE,AU,0.5mm,BLK	1	SA	
...4		3701-001861	CONNECTOR-HDMI;19P,A,FEMALE,AU,0.5mm,BLK	3	SA	
...4		3707-001106	CONNECTOR-OPTICAL;STRAIGHT,SPDIF,2.5PI	1	SA	
...4		3708-003073	CONNECTOR-FPC/FFC/PIC;51P,0.5mm,SMD-A,AU	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	EH01	3711-008488	HEADER-BOARD TO CABLE;BOX,14P,2R,2mm,ANG	1	SA	
...4	EH01	3711-008558	HEADER-BOARD TO CABLE;BOX,26P,2R,1.25mm,	1	SA	
...4		3722-003229	JACK-MODULAR;8P/8C,Y,STRAIGHT,NONE,AU,1P	1	SA	
...4		3722-003457	JACK-USB;4P/1C,NI,BLK,ANGLE,A,2.0,13.1x1	3	SA	
...4	JACK PIN	3722-003546	JACK-PIN;5P,NI/SN,BLU/GRN/RED/WHT/YEL,SM	1	SA	
...4		3722-003667	JACK-PHONE;1P/7C,NI/SN,BLK,STRAIGHT,3.6P	1	SA	
...4		6302-001376	GASKET-SMD;,,CONDUCTIVE FABRIC,T14,W43,L	4	SNA	
...4	ET01	BN40-00313A	TUNER-DTV AIR CABLE;DTOS40EH5A,DVB-TC Ha	1	SA	
...4		BN41-02353C	PCB-MAIN;J5500~6500,FR-4,4L,1.2T,158x193	1	SNA	
...4		BN97-09450A	ASSY MICOM;T-HKMFDEUC,Hawk-M FHD 5/6	1	SNA	
...5		1107-002341	IC-EMMC;THGBMBG5D1KBAIT,4GB,BGA,153P,11x	1	SA	
...4		BN97-09454A	ASSY MICOM;HMMICOM_FHD_EU	1	SNA	
...5		1107-002226	IC-NOR FLASH;W25Q40CLSSIP,4Mbit,SOIC,8P,	1	SA	
1		BN92-17127H	ASSY LABEL;LED_J6K	1	SNA	
0.2		BN68-06708G	LABEL-RATING;Monitor,WW,PP,T0.161,W93,L7	1	SNA	
0.2		BN68-07063C	LEAFLET-QUICK SETUP GUIDE;UJ6200,EUROPE,	1	SNA	
1		BN92-19858D	ASSY BOX;LEDTV 6K	1	SNA	
0.2		BH68-00662A	LABEL BOX;ALL,ART PAPER,W60,L110,WHT,NO	1	SNA	
0.2		BN68-05640A	LABEL BOX;ALL,ART PAPER,W110,L130,EUROPE	1	SNA	

ANNEX. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
0.2		BN69-12844J	BOX UNIT;40J6250,CB,SW2,A1,L1140,W132,H5	1	SNA	
1	ACCE1	BN92-19920U	ASSY ACCESSORY;LEDTV 6K	1	SNA	
0.2		BN68-07519A	LABEL-ENERGY;ALL JORDAN,WW,PP,T0.135,W60	1	SNA	
0.2	ACCE2	BN96-35602X	ASSY ACCESSORY-CABLE;UE40J6240AKXZF	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		4301-000121	BATTERY-MN;1.5V,R03,10.5x44.5m,7.5g,AAA	2	SNA	
..3		6902-001965	BAG PE;LDPE,BIOBASED,T0.05,W200,L300,TRP	1	SNA	
..3	REMO3	BN59-01198Q	REMOCON-TV;2014 TV,Samsung,49KEY,3V,EURO	1	SA	
..3		BN68-02989A	LABEL ETC;ALL,ALL,PAPER,W30,L65,WHITE,SE	2	SNA	
..3		BN96-15806B	ASSY HOLDER P-WIRE STAND;UE5500,PA66,BLA	1	SNA	
...4		BN61-04731D	TAPE-DOUBLE FACE;ACRYL,T1.1,W20,L33M,WHI	0	SNA	
...4		BN61-05491C	HOLDER-STAND CABLE;UE5500,PA,MOLD,BLACK	1	SNA	
..3		BN96-35528A	ASSY ACCESSORY-SCREW;JU7500,40	1	SNA	
...4		6902-002474	BAG SCREW;LDPE,T0.05*,W70,L90,TRP,RECYCL	1	SNA	
...4	HOLDER-BOLT	BN61-09494D	HOLDER-BOLT;KU6500,SWRCH18A,BLK,PRESS,B	8	SA	
0.2	ACCE4	BN96-39492H	ASSY ACCESSORY-MANUAL;UE40J6282SUXXH	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		BN68-07177Y	MANUAL USERS;J6240,XH,W/P,EURO B5	1	SNA	
..3		BN68-07598A	LEAFLET-FICHE;ALL,W/P,0	1	SNA	
1		BN92-19948A	ASSY P/MATERIAL;LEDTV 6K	1	SNA	
0.2		0203-006958	TAPE-SINGLE FACE;OPP,T0.065,W75,L1500M,C	1	SNA	
0.2		6902-002731	BAG ROLL;HDPE/PE FOAM,T0.015/T0.5,W1200,	1	SNA	
0.2		6922-000013	BAND;PP,W18,L2300/L2900,TRP	0	SNA	
0.2		6932-000004	WRAP;T0.023,W750,L1000m,non stretched fi	1	SNA	
0.2	AS080	BN63-10787C	SHEET-PROTECTION COVER;UE37EH5000,PE,T4,	1	SNA	
0.2		BN69-11802B	CUSHION-SET;EPS,16.7g/l	1	SNA	
..3		0103-005099	RESIN EPS;BASF303,Natural,Natural	338	SNA	
0.2		BN69-13583J	PAD-PACKING;LED,PAPER,T5,W50,L2600,H50,Y	1	SNA	
0.2		BN69-14414A	PALLET-WOODEN;UE43KU6000,WOOD,W1000,L120	1	SNA	
0.2		BN74-00008D	TAPE-SINGLE FACE;OPP,T0.05,W75,L800M,CLE	1	SNA	
1		BN95-03476A	PRODUCT LCD DP;DP,BN95-01316N,SEH ONLY	1	SA	
0.2		BN92-21007A	ASSY P/MATERIAL;CY-GH040BGLV1H	1	SNA	
..3		BN69-09658C	CUSHION-PANEL ESD;Y14 40" 5K,EPS,ESD" an	1	SNA	
...4		0103-005099	RESIN EPS;BASF303,Natural,Natural	2403	SNA	
0.2		BN95-01316N	PRODUCT LCD-SDC;CY-GH040BGLVBH/V,J6200,M	1	SA	
..3	SCREW	6001-003075	SCREW-MACHINE;BH,+,M3,L4,ZPC(WHT),SWRCH1	4	SA	
..3	SCREW	6001-003083	SCREW-MACHINE;CH,+,M3,L8,ZPC(BLK),SWRCH1	3	SA	
..3	M0131	BN63-00520A	GASKET-EMI;APPOLO_PAL,Conductive Fabric,	4	SNA	
..3		BN68-05722A	LABEL-E PASS;POLYPROPYLENE,NON-COATING	1	SNA	
..3		BN90-08331S	ASSY MISC-BLU;2016_LCM_BLU	1	SNA	
...4		BN02-00043L	TAPE SINGLE FACE;Y13 slim F-LED,PET,T0.0	1	SNA	
...4		BN61-10113A	SUPPORT-PLATE;Y14 F-LED,PC,V-2,WHITE+CLE	8	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....5		0103-005036	RESIN PC;M2407,550115,TP0003,0.8 V-0	24	SNA	
....5		0103-009493	RESIN PC;LH-1070W,W92853,WT0107,V-0	32	SNA	
...4		BN61-10233A	DIFFUSER PLATE;14Y_H6K 40INCH_DIFFUSER P	1	SNA	
...4		BN63-11814A	OPTICAL SHEET-REFLECTOR;14Y_H5K 40inch_S	1	SNA	
...4		BN63-11818A	OPTICAL SHEET-COMPLEX;14Y_H5K 40inch_CDO	1	SNA	
...4		BN96-30575D	ASSY FRAME P-MIDDLE;Y14 VNB 40,PC+GF10%	1	SNA	
....5		BN60-00735M	SPACER-PET;Y14 VNB 32,PET,L380,CLEAR,T0.	1	SNA	
....5		BN60-00735N	SPACER-PET;Y14 VNB 40,PET,L470,CLEAR,T0.	1	SNA	
....5		BN60-00744C	SPACER-SILICONE;Y14 SF-LED VNB,Si,L27,CL	1	SNA	
....5		BN60-00788F	SPACER-SILICONE;VNB 40,Si,L890,WHITE,T0.	2	SNA	
....5		BN60-00788G	SPACER-SILICONE;VNB 40,Si,L498,WHITE,T0.	2	SNA	
....5		BN61-10078A	FRAME-MIDDLE;Y14 F-LED 40" (5K),PC+GF10%	1	SNA	
....6		0103-007368	RESIN PC;LS-3104G,K2495,BK0048,3.0mm V-2	95	SNA	
...4		BN96-32006A	ASSY CHASSIS REAR P;Y14 40 S-LED,EGI-SEC	1	SNA	
....5		BN02-00102B	TAPE-SINGLE FACE;FILAMENT,#8917,T0.15,W2	1	SNA	
....5		BN96-30449A	ASSY LED BAR P;40inch FHD Dire,CEM3,FCPk	5	SA	
....5		BN96-30450A	ASSY LED BAR P;40inch FHD Dire,CEM3,FCPk	5	SA	
....5		BN96-30573L	ASSY CHASSIS REAR P;LFD_DCE,EGI-SECC,NAT	1	SNA	
....6		BN02-00040C	TAPE DOUBLE FACE;F-LED ALL,PET,T0.3,W3,L	2	SNA	
....6		BN02-00102B	TAPE-SINGLE FACE;FILAMENT,#8917,T0.15,W2	2	SNA	
....6		BN02-00324A	TAPE-SINGLE FACE;PAPER,Y14 4K,T0.085,W25	0	SNA	
....6		BN02-00352B	TAPE-SINGLE FACE;PET,T0.05,W30,L50M,BLAC	0	SNA	
....6		BN02-00352D	TAPE-SINGLE FACE;PET,T0.05,W20,L50M,BLAC	1	SNA	
....6		BN61-10099A	FRAME-CHASSIS REAR TOP;Y14 F-LED 40" (5K	1	SNA	
.....7		0103-010237	RESIN PC;LS-3104G/W95265,White,WT0044,V-	130	SNA	
....6		BN61-10148A	FRAME-CHASSIS REAR LEFT RIGHT;Y14 F-LED	2	SNA	
....6		BN61-10189A	FRAME-CHASSIS REAR BOTTOM;Y14 F-LED 40"	1	SNA	
....6	CB20	BN61-10207A	BRACKET-WALL;32UD6400,SWRCH10A,T1.2,L15.	4	SNA	
....6		BN62-00501D	INSULATOR-SMPS;Y14 VNB 39_40_42_48 6K,PC	1	SNA	
....6		BN63-15003A	GASKET-ESD;GASKET,FABRIC,T2.5,W17,L12,BL	4	SNA	
....6	CC02	BN64-02517A	CHASSIS-REAR;Y14 F-LED 40" VNB,EGI-SECC,	1	SNA	
.....7		BN01-00193A	STEEL;EGI-SECC,L940,0.5mm,550mm,SECC,AG	1	SNA	
....6		BN74-00053J	TAPE-SINGLE FACE;PAPER,3M2307,T0.14,W25,	3	SNA	
....6		BN96-30417A	ASSY PCB P-LED INTERFACE BOARD;40H6000,-	1	SNA	
..3	TCON	BN95-03521A	ASSY T CON;J6250_40inch,Hawk-FTs_Flat	1	SA	
...4	M0131	AA63-00969A	GASKET-EMI;SA17PO,Conductive Fabric,T5,W	3	SA	
...4		BN02-00417A	TAPE SINGLE FACE;Hawk-FTs,PET,T0.19,W65,	1	SNA	
...4		BN97-11524A	ASSY SMD;J6250,Hawk_40_flat,BN95-03521A	1	SNA	
....5		0202-001976	SOLDER-CREAM;LST-309M-K21,20~38um,96.5Sn	1	SNA	
....5		0403-000489	DIODE-ZENER;MMSZ5228B,3.705~4.095V,500mW	6	SA	
....5		0403-001831	DIODE-ZENER;KDZ12B,12~13.5V,1000mW,SOD-1	1	SA	
....5		0403-002014	DIODE-ZENER;KDZ16B,16.2~18.3V,1000mW,SOD	2	SNA	
....5		0404-001640	DIODE-SCHOTTKY;SS1060HEWS,60V,1000mA,SOD	1	SA	
....5		0404-001643	DIODE-SCHOTTKY;B360A,60V,3000mA,SMA,TP	1	SA	
....5		0406-001689	DIODE-TVS;SMH14A,15.6V,17.9V,1MAV,40A,TP	1	SA	
....5		0406-001712	DIODE-TVS;P4SMAJ30A,33.3V,36.8V,1MAV,40A	1	SNA	



ANNEX. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....5		0406-001745	DIODE-TVS;P4SMAFJ18A-HAF,20V,21.5V,23.3V	1	SNA	
....5		0505-002660	FET-SILICON;Si2308BDS,N,60V,2.3A,0.156oh	1	SNA	
....5		0505-003224	FET-SILICON;AO6405,P,30V,-5A,0.052ohm,2W	1	SA	
....5	EL02	0601-002037	LED;SMD(TOP VIEW),BLUE,1.6x0.8mm,465/470	2	SNA	
....5		0801-002345	IC-CMOS LOGIC;7S04,INVERTER,SOT-353,5P,2	1	SA	
....5		0801-003580	IC-CMOS LOGIC;TC7WB66CFK,SSOP,8P,2.0X2.3	3	SA	
....5		1105-002772	IC-DDR3 SDRAM;K4B1G1646I-BCMA,-,1Gbit,64	1	SA	
....5		1201-002779	IC-OP AMP;IML7814HS-HF,TSSOP,TP,14P,5x4.	1	SA	
....5		1203-006130	IC-POS.FIXED REG.;S-1172B25-U5T1G,SOT-8	1	SA	
....5		1203-007956	IC-DC/DC CONVERTER;RT6917,QFN,48P,6x6x1m	1	SNA	
....5		1203-008102	IC-POS.FIXED REG.;S-13A1D12-E800,HSOP,8	1	SNA	
....5		1203-008104	IC-POS.FIXED REG.;S-13A1D18-E800,HSOP,8	1	SNA	
....5		1203-008258	IC-DC/DC CONVERTER;SY8106RAC,QFN,20,3x3x	1	SA	
....5		1203-008667	IC-DC/DC CONVERTER;RT6936A,WQFN,40,6x6mm	1	SA	
....5		1204-003557	IC-VIDEO PROCESS;SDP1401,PBGAH,553P,23x2	1	SA	
....5		1404-001731	THERMISTOR-NTC;33Kohm,4050K,1mW/C,TP,1.6	1	SNA	
....5		1405-001381	VARISTOR;11V,8VDC,30A,1608,TP,25V,500pF	9	SA	
....5		1405-001382	VARISTOR;24.5V,16VDC,120A,2012,TP,42V,40	1	SA	
....5		1405-001391	VARISTOR;32V,5VDC,5A,2012,TP,80V,12.5pF	6	SA	
....5		2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	5	SA	
....5		2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	3	SA	
....5		2007-000063	R-CHIP;150Kohm,1%,1/10W,TP,1608	1	SNA	
....5		2007-000067	R-CHIP;15Kohm,1%,1/10W,TP,1608	2	SNA	
....5		2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	8	SA	
....5		2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	SA	
....5		2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	10	SA	
....5		2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	10	SA	
....5		2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	4	SNA	
....5		2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	26	SNA	
....5		2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	4	SA	
....5		2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SNA	
....5		2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	7	SNA	
....5		2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	6	SNA	
....5		2007-000265	R-CHIP;1.8Kohm,1%,1/10W,TP,1608	1	SA	
....5		2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	SA	
....5		2007-000336	R-CHIP;120Kohm,1%,1/10W,TP,1608	1	SA	
....5		2007-000455	R-CHIP;18Kohm,1%,1/10W,TP,1608	1	SA	
....5		2007-000516	R-CHIP;2.7Kohm,1%,1/10W,TP,1608	2	SA	
....5		2007-000536	R-CHIP;200ohm,1%,1/10W,TP,1608	1	SA	
....5		2007-000614	R-CHIP;24Kohm,1%,1/10W,TP,1608	1	SNA	
....5		2007-000857	R-CHIP;4.3Kohm,1%,1/10W,TP,1608	1	SNA	
....5		2007-000869	R-CHIP;4.7Kohm,1%,1/10W,TP,1608	3	SA	
....5		2007-000903	R-CHIP;430ohm,1%,1/10W,TP,1608	2	SNA	
....5		2007-000962	R-CHIP;5.1Kohm,1%,1/10W,TP,1608	2	SA	
....5		2007-001125	R-CHIP;68Kohm,1%,1/10W,TP,1608	1	SA	
....5		2007-001206	R-CHIP;82Kohm,1%,1/10W,TP,1608	1	SNA	
....5		2007-001298	R-CHIP;51ohm,5%,1/16W,TP,1005	7	SNA	



Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....5		2007-001433	R-CHIP;12Kohm,1%,1/10W,TP,1608	2	SA	
....5		2007-002768	R-CHIP;6.2Kohm,1%,1/10W,TP,1608	1	SA	
....5		2007-002899	R-CHIP;10ohm,1%,1/10W,TP,1608	1	SA	
....5		2007-007139	R-CHIP;47Kohm,1%,1/16W,TP,1005,T0.35	3	SA	
....5		2007-007306	R-CHIP;100ohm,1%,1/16W,TP,1005	2	SNA	
....5		2007-007309	R-CHIP;12Kohm,1%,1/16W,TP,1005,T0.35	1	SA	
....5		2007-007431	R-CHIP;91Kohm,1%,1/10W,TP,1608,T0.45	1	SA	
....5		2007-007517	R-CHIP;240ohm,1%,1/16W,TP,1005	3	SNA	
....5		2007-007766	R-CHIP;2Kohm,1%,1/16W,TP,1005	4	SNA	
....5		2007-007847	R-CHIP;16Kohm,1%,1/10W,TP,1608	1	SA	
....5		2007-008213	R-CHIP;4.3Kohm,1%,1/16W,TP,1005	2	SNA	
....5		2007-008596	R-CHIP;0.1ohm,1%,1/4W,TP,3216	2	SC	
....5		2011-001264	R-NETWORK;10ohm,5%,1/16W,L,CHIP,8P,TP,2.	4	SNA	
....5	AD480	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608	1	SA	
....5	AD480	2203-000233	C-CER,CHIP;0.1nF,5%,50V,C0G,TP,1005	1	SA	
....5	AD480	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
....5	AD480	2203-000425	C-CER,CHIP;0.018nF,5%,50V,C0G,TP,1005	2	SA	
....5	AD480	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,TP,1005	2	SA	
....5	AD480	2203-002494	C-CER,CHIP;470nF,10%,16V,X7R,TP,2012	1	SNA	
....5	AD480	2203-002711	C-CER,CHIP;100nF,10%,25V,X7R,TP,1608	3	SA	
....5	AD480	2203-005138	C-CER,CHIP;1.8nF,10%,50V,X7R,TP,1005	3	SA	
....5	AD480	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608	1	SNA	
....5	AD480	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005,0.5T	3	SNA	
....5	AD480	2203-006158	C-CER,CHIP;100nF,10%,16V,X7R,TP,1005,T0.	84	SNA	
....5	AD480	2203-006307	C-CER,CHIP;1000nF,10%,25V,X5R,TP,2012	3	SNA	
....5	AD480	2203-006324	C-CER,CHIP;2200nF,10%,10V,X5R,TP,1608	1	SA	
....5	AD480	2203-006399	C-CER,CHIP;1000nF,10%,6.3V,X5R,TP,1005	1	SA	
....5	AD480	2203-006562	C-CER,CHIP;1000nF,10%,10V,X5R,TP,1005	8	SNA	
....5	AD480	2203-006698	C-CER,CHIP;1000nF,10%,25V,X7R,TP,1608,0.	2	SA	
....5	AD480	2203-006824	C-CER,CHIP;4700nF,10%,10V,X5R,TP,1608	2	SNA	
....5	AD480	2203-006841	C-CER,CHIP;1000nF,10%,16V,X5R,TP,1005	1	SNA	
....5	AD480	2203-006890	C-CER,CHIP;10000nF,20%,6.3V,X5R,TP,1608	5	SA	
....5	AD480	2203-006960	C-CER,CHIP;1000nF,10%,50V,X7R,TP,2012	1	SNA	
....5	AD480	2203-007176	C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012,1	8	SNA	
....5	AD480	2203-007240	C-CER,CHIP;22000nF,20%,6.3V,X5R,TP,1608(	35	SA	
....5	AD480	2203-007270	C-CER,CHIP;10000nF,10%,10V,X5R,TP,1608,0	20	SNA	
....5	AD480	2203-007306	C-CER,CHIP;10000nF,10%,25V,X5R,TP,2012,1	20	SNA	
....5	AD480	2203-007544	C-CER,CHIP;100nF,10%,50V,X7R,TP,1005,T0.	1	SA	
....5	AD480	2203-008315	C-CER,CHIP;22000nF,20%,25V,X5R,TP,2012,T	25	SA	
....5		2703-003713	INDUCTOR-SMD;1.5uH,20%,7366,0.015Ohm,700	1	SA	
....5		2703-003747	INDUCTOR-SMD;22uH,20%,6060,0.135ohm,1300	3	SA	
....5		2703-003862	INDUCTOR-SMD;10uH,20%,6060,0.065ohm,1900	1	SA	
....5		2703-003913	INDUCTOR-SMD;2.2uH,20%,2520,1.2T,0.116Oh	1	SNA	
....5		2703-004199	INDUCTOR-SMD;10uH,20%,6.6x7.0mm,2.2mm,0.	1	SNA	
....5		2801-005324	CRYSTAL-SMD;27MHz,30ppm,Ceramic SMD(4pin	1	SA	
....5		2901-001362	FILTER-EMI/ESD;5.5V,0A,50pF,2.05x1.25x0.	3	SNA	
....5		3301-002039	BEAD-SMD;26ohm,1608,TP	14	SA	

ANNEX. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....5		3601-001376	FUSE-SURFACE MOUNT;32V,3A,FAST-ACTING,Hi	2	SNA	
....5		3708-003073	CONNECTOR-FPC/FFC/PIC;51P,0.5mm,SMD-A,AU	1	SA	
....5		3708-003176	CONNECTOR-FPC/FFC/PIC;68P,0.5mm,SMD-A,AU	2	SA	
....5	EH01	3711-008098	HEADER-BOARD TO CABLE;BOX,20P,1R,1.25mm,	1	SNA	
....5		BN41-02481A	PCB-MAIN;2016Y FHD SDC MJC,FR-4,4L,1.2T,	1	SNA	
....5		BN97-11527A	ASSY MICOM;1107-002224,J6250_40_FLAT,HAW	1	SNA	
....6		1107-002224	IC-FLASH MEM. MODULE;W25X40CLSSIG,4Mbit,	1	SNA	
..3		BN96-30576J	ASSY CHASSIS FRONT P;40J6200,PC+ABS+GF15	1	SNA	
..4		BN02-00112A	TAPE-SINGLE FACE;PET,L65.8M,T0.09,W10,RO	0	SNA	
..4		BN60-01076A	SPACER-CONDUCTIVE;Y14,CONDUCTIVE FABRIC,	3	SNA	
..4		BN60-01178P	SPACER-CONDUCTIVE;40KU6400,CONDUCTIVE FA	2	SNA	
..4		BN60-01436C	SPACER-CONDUCTIVE;40K5500,CONDUCTIVE FAB	2	SNA	
..4	AS080	BN63-10945C	SHEET-PROTECTION COVER;Y13 SF-LED,PO,T0.	2	SNA	
..4		BN63-11875A	SHEET-PROTECTION COVER;Y14 SF-LED,AL,T0.	2	SNA	
..4	FW04	BN64-02480A	WINDOW-REMOCON;40UH5500,PC,V-2,RD0120	1	SNA	
....5		0103-010267	RESIN PC;TR3022RVT/3314W,Violet,RD0120,	3	SNA	
..4	AC157	BN64-02494D	CHASSIS-FRONT;Y14 F-LED 40" 6.3K,PC+ABS+	1	SNA	
....5		0103-010275	RESIN PC ABS;235GNH15/6919H,Black,BK0007	145	SNA	
..3		BN96-39412A	FFC CABLE;K6200,Straight,L57,68P	2	SNA	
..3		BN96-41410A	ASSY OPEN CELL;LSF400HN05-G,16:9	1	SNA	
..4		BN81-07435A	A/S-ADHESIVE ACF;LSJ320AP04-E,0201-00234	1	SNA	
..4		BN81-07943A	A/S-ADHESIVE ACF;LSF320AN01-A,0201-00237	1	SNA	
..4		BN81-09609A	A/S-IC DRIVER SOURCE;LSF400HM03-G,LJ13-0	1	SA	
..4		BN81-09610A	A/S-POLARIZER TFT;LSF400HM03-G,LJ01-0964	1	SNA	
..4		BN81-09611A	A/S-POLARIZER CF;LSF400HM03-G,LJ01-09715	1	SNA	
..4		BN81-13092A	A/S-SOURCE PCB LEFT;SOURCE PCB LEFT,LJ94	1	SNA	
..4		BN81-14745A	A/S-SOURCE PCB RIGHT;SOURCE PCB RIGHT,LJ	1	SNA	

# 1. Precautions

## 1-1. Safety Precautions

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

### 1-1-1. Warnings



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

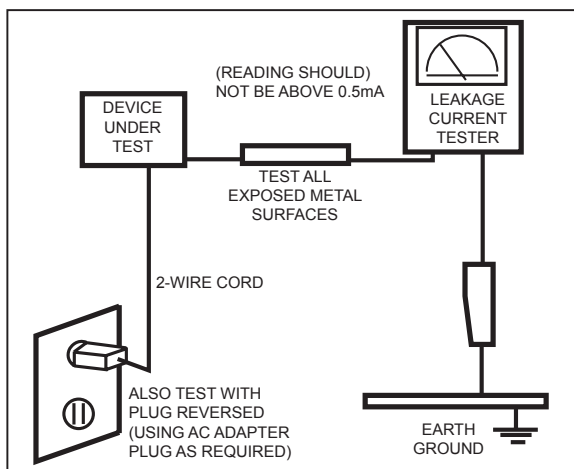
### 1-1-2. Servicing the LED TV

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

### 1-1-3. Fire and Shock Hazard

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

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




Do not use an isolation transformer during this test.

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

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

### **1-1-4. Product Safety Notices**

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

## 1-2. Servicing Precautions



An electrolytic capacitor installed with the wrong polarity might explode.



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



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

### 1-2-1. General Servicing Precautions

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

### 1-3. Static Electricity Precautions

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

1. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. To avoid a shock hazard, be sure to remove the wrist strap before applying power to the monitor.
2. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of an electrostatic charge.
3. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESDs.
4. Use only a grounded-tip soldering iron to solder or desolder ESDs.
5. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESDs.
6. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.
7. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.



Be sure no power is applied to the chassis or circuit and observe all other safety precautions.

8. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting your foot from a carpeted floor can generate enough static electricity to damage an ESD.

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## 1-4. Installation Precautions

1. For safety reasons, more than a people are required for carrying the product.
2. Keep the power cord away from any heat emitting devices, as a melted covering may cause fire or electric shock.
3. Do not place the product in areas with poor ventilation such as a bookshelf or closet. The increased internal temperature may cause fire.
4. Bend the external antenna cable when connecting it to the product. This is a measure to protect it from being exposed to moisture. Otherwise, it may cause a fire or electric shock.
5. Make sure to turn the power off and unplug the power cord from the outlet before repositioning the product. Also check the antenna cable or the external connectors if they are fully unplugged. Damage to the cord may cause fire or electric shock.
6. Keep the antenna far away from any high-voltage cables and install it firmly. Contact with the highvoltage cable or the antenna falling over may cause fire or electric shock.
7. When installing the product, leave enough space (0.4m) between the product and the wall for ventilation purposes. A rise in temperature within the product may cause fire.
8. If an equipment is provided with a replaceable battery, and if replacement by an incorrect type could result in an explosion (for example, with some lithium batteries), the following applies:

**CAUTION**

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



## 2. Product Specifications

### 2-1. Product information

Model	UE**J6240AW		
Front View	<div></div> <p>* W : Width   H : High   D : Depth</p>		
Detail View	<div></div>		
Design	Front Color : Black / Stand Type : V-Shape		
Dimensions (W x H x D)	40"	Body	907.2 x 536.5 x 63.1 mm
		With stand	907.2 x 585.6 x 288.1 mm
	50"	Body	1116.8 x 654.4 x 63.7 mm
		With stand	1116.8 x 703.6 x 310.5 mm
	55"	Body	1230.6 x 718.4 x 64.0 mm
		With stand	1230.6 x 770.6 x 310.5 mm
Weight	40"	Body	7.8 kg
		With stand	8.7 kg
	50"	Body	12.8 kg
		With stand	13.8 kg
	55"	Body	15.7 kg
		With stand	16.7 kg
60"	Body	21.4 kg	
	With stand	23.5 kg	

## 2-2. Product specification

### 2-2-1. Feature & Specifications

#### ■ Feature

- FHD TV, RF, 4-HDMI, 1-COMPONENT, 3-USB2.0, LAN, WIFI
- CMR 120
- Dolby Digital Plus, DTS Premium Sound 5.1, DTS Studio Sound

#### ■ Specifications

Model	UE**J6240AW
Item	Description
Screen Size (Diagonal)	40 / 50 / 55 60 inches
LCD Panel	FHD 120Hz
Scanning Frequency	Horizontal : 60 kHz ~ 73 kHz (Automatic) Vertical : 47 Hz ~ 63 Hz (Automatic)
Display Colors	16.7M color
Display Resolution	1920 X 1080
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω, internally terminated
Input Sync Signal	H/V Separate, TTL, P. or N.
Maximum Pixel Clock Rate	74.25MHz
AC Power Voltage & Frequency	AC110-120V 60Hz
Environmental Considerations	Operating Temperature : 50°F ~ 104°F (10°C ~ 40°C) Operating Humidity : 10% ~ 80%, non-condensing Storage Temperature : -4°F ~ 113°F (-20°C ~ 45°C) Storage Humidity : 5% ~ 95%, non-condensing
Sound (Output)	20 W (10 W X 2)
<b>Note</b> : AllShare, SMART Guide, Web Browser, USB HID, BT	

## 2-2-2. Detailed Specifications



### NOTE

Design and specifications are subject to change without prior notice.

Item		UE40J6240AWXXH
General Information	Product	FHD
	Series	6
	Country	HUNGARY
Display	Screen Size	40"
	Screen Size (cm)	101 cm
	Resolution	1920 x 1080
	Quantum Dot Display	N/A
	Ultra Black	N/A
	Screen Curvature	N/A
	10 bit Support	N/A
Video	Picture Engine	Hypereal
	Motion Rate	N/A
	PQI (Picture Quality Index)	700
	HDR (High Dynamic Range)	N/A
	Dynamic Contrast Ratio	Mega Contrast
	Micro Dimming	Micro Dimming 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	N/A
	Contrast Enhancer	Yes
	Auto Motion Plus	Yes
	Film Mode	Yes
	Peak Illuminator	N/A
Audio	Dolby Digital Plus	Yes
	DTS Codec	DTS Premium Sound 5.1
	Sound Output (RMS)	20W(L:10W, R:10W)
	Speaker Type	2CH(Down Firing + Base Reflex)
	Woofer	N/A
	Wallmount Sound Mode	Yes
	Multiroom Link	Yes
	TV SoundConnect	Yes
	BT Headset Support	Yes

## 2. Product specifications

Item		UE40J6240AWXXH
Smart TV	Samsung SMART TV	Yes
	Apps	Yes
	Games	N/A
	Cloud Game	N/A
	Billing	Yes(PL, HU, GR)
	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-T/C
	Analog Tuner	Yes
	2 Tuner	N/A
	CI (Common Interface)	CI+ (1.3)
	Data Broadcasting	HbbTV1.0(ES,PT, DE,AT,SZ)
Connectivity	HDMI	4
	USB	3
	Component In (Y/Pb/Pr)	1
	Composite In (AV)	1 (Common Use for Component Y)
	Ethernet (LAN)	1
	Headphone	1
	Audio Out (Mini Jack)	N/A
	Digital Audio Out (Optical)	1
	RF In (Terrestrial / Cable input / Satellite input)	1/1(Common Use for Terrestrial)/0
	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

Item		UE40J6240AWXXH
Design	Design	Wavy Line
	Bezel Type	VNB
	Slim Type	Slim
	Front Color	Black
	Light Effect (Deco)	N/A
	Stand Type	V-Shape
	Swivel (Left/Right)	N/A
Additional Feature	Instant On	Yes
	Processor	Quad
	Accessibility	Enlarge/ High contrast
	Digital Clean View	Yes
	One Connect (Jack)	N/A
	Auto Channel Search	Yes
	Auto Power Off	Yes
	BD Wise Plus	Yes
	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+

## 2. Product specifications

Item		UE50J6240AWXXH
General Information	Product	FHD
	Series	6
	Country	HUNGARY
Display	Screen Size	50"
	Screen Size (cm)	125 cm
	Resolution	1920 x 1080
	Quantum Dot Display	N/A
	Ultra Black	N/A
	Screen Curvature	N/A
	10 bit Support	N/A
Video	Picture Engine	Hypereal
	Motion Rate	N/A
	PQI (Picture Quality Index)	700
	HDR (High Dynamic Range)	N/A
	Dynamic Contrast Ratio	Mega Contrast
	Micro Dimming	Micro Dimming 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	N/A
	Contrast Enhancer	Yes
	Auto Motion Plus	Yes
	Film Mode	Yes
	Peak Illuminator	N/A
Audio	Dolby Digital Plus	Yes
	DTS Codec	DTS Premium Sound 5.1
	Sound Output (RMS)	20W(L:10W, R:10W)
	Speaker Type	2CH(Down Firing + Base Reflex)
	Woofer	N/A
	Wallmount Sound Mode	Yes
	Multiroom Link	Yes
	TV SoundConnect	Yes
	BT Headset Support	Yes

Item		UE50J6240AWXXH
Smart TV	Samsung SMART TV	Yes
	Apps	Yes
	Games	N/A
	Cloud Game	N/A
	Billing	Yes(PL, HU, GR)
	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-T/C
	Analog Tuner	Yes
	2 Tuner	N/A
	CI (Common Interface)	CI+ (1.3)
	Data Broadcasting	HbbTV1.0(ES,PT, DE,AT,SZ)
Connectivity	HDMI	4
	USB	3
	Component In (Y/Pb/Pr)	1
	Composite In (AV)	1 (Common Use for Component Y)
	Ethernet (LAN)	1
	Headphone	1
	Audio Out (Mini Jack)	N/A
	Digital Audio Out (Optical)	1
	RF In (Terrestrial / Cable input / Satellite input)	1/1(Common Use for Terrestrial)/0
	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		UE50J6240AWXXH
<b>Design</b>	Design	Wavy Line
	Bezel Type	VNB
	Slim Type	Slim
	Front Color	Black
	Light Effect (Deco)	N/A
	Stand Type	V-Shape
	Swivel (Left/Right)	N/A
<b>Additional Feature</b>	Instant On	Yes
	Processor	Quad
	Accessibility	Enlarge/ High contrast
	Digital Clean View	Yes
	One Connect (Jack)	N/A
	Auto Channel Search	Yes
	Auto Power Off	Yes
	BD Wise Plus	Yes
	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
<b>Eco Feature</b>	Eco Sensor	Yes
	Energy Efficiency Class	A+

Item		UE55J6240AWXXH
General Information	Product	FHD
	Series	6
	Country	HUNGARY
Display	Screen Size	55"
	Screen Size (cm)	138 cm
	Resolution	1920 x 1080
	Quantum Dot Display	N/A
	Ultra Black	N/A
	Screen Curvature	N/A
	10 bit Support	N/A
Video	Picture Engine	Hypereal
	Motion Rate	N/A
	PQI (Picture Quality Index)	700
	HDR (High Dynamic Range)	N/A
	Dynamic Contrast Ratio	Mega Contrast
	Micro Dimming	Micro Dimming 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	N/A
	Contrast Enhancer	Yes
	Auto Motion Plus	Yes
	Film Mode	Yes
	Peak Illuminator	N/A
Audio	Dolby Digital Plus	Yes
	DTS Codec	DTS Premium Sound 5.1
	Sound Output (RMS)	20W(L:10W, R:10W)
	Speaker Type	2CH(Down Firing + Base Reflex)
	Woofer	N/A
	Wallmount Sound Mode	Yes
	Multiroom Link	Yes
	TV SoundConnect	Yes
	BT Headset Support	Yes

## 2. Product specifications

Item		UE55J6240AWXXH
Smart TV	Samsung SMART TV	Yes
	Apps	Yes
	Games	N/A
	Cloud Game	N/A
	Billing	Yes(PL, HU, GR)
	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-T/C
	Analog Tuner	Yes
	2 Tuner	N/A
	CI (Common Interface)	CI+ (1.3)
	Data Broadcasting	HbbTV1.0(ES,PT, DE,AT,SZ)
Connectivity	HDMI	4
	USB	3
	Component In (Y/Pb/Pr)	1
	Composite In (AV)	1 (Common Use for Component Y)
	Ethernet (LAN)	1
	Headphone	1
	Audio Out (Mini Jack)	N/A
	Digital Audio Out (Optical)	1
	RF In (Terrestrial / Cable input / Satellite input)	1/1(Common Use for Terrestrial)/0
	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

Item		UE55J6240AWXXH
Design	Design	Wavy Line
	Bezel Type	VNB
	Slim Type	Slim
	Front Color	Black
	Light Effect (Deco)	N/A
	Stand Type	V-Shape
	Swivel (Left/Right)	N/A
Additional Feature	Instant On	Yes
	Processor	Quad
	Accessibility	Enlarge/ High contrast
	Digital Clean View	Yes
	One Connect (Jack)	N/A
	Auto Channel Search	Yes
	Auto Power Off	Yes
	BD Wise Plus	Yes
	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+

## 2. Product specifications

Item		UE60J6240AWXXH
General Information	Product	FHD
	Series	6
	Country	HUNGARY
Display	Screen Size	60"
	Screen Size (cm)	152 cm
	Resolution	1920 x 1080
	Quantum Dot Display	N/A
	Ultra Black	N/A
	Screen Curvature	N/A
	10 bit Support	N/A
Video	Picture Engine	Hypereal
	Motion Rate	N/A
	PQI (Picture Quality Index)	700
	HDR (High Dynamic Range)	N/A
	Dynamic Contrast Ratio	Mega Contrast
	Micro Dimming	Micro Dimming 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	N/A
	Contrast Enhancer	Yes
	Auto Motion Plus	Yes
	Film Mode	Yes
	Peak Illuminator	N/A
Audio	Dolby Digital Plus	Yes
	DTS Codec	DTS Premium Sound 5.1
	Sound Output (RMS)	20W(L:10W, R:10W)
	Speaker Type	2CH(Down Firing + Base Reflex)
	Woofer	N/A
	Wallmount Sound Mode	Yes
	Multiroom Link	Yes
	TV SoundConnect	Yes
	BT Headset Support	Yes

Item		UE60J6240AWXXH
Smart TV	Samsung SMART TV	Yes
	Apps	Yes
	Games	N/A
	Cloud Game	N/A
	Billing	Yes(PL, HU, GR)
	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-T/C
	Analog Tuner	Yes
	2 Tuner	N/A
	CI (Common Interface)	CI+ (1.3)
	Data Broadcasting	HbbTV1.0(ES,PT, DE,AT,SZ)
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	Ethernet (LAN)	1
	Headphone	1
	Audio Out (Mini Jack)	N/A
	Digital Audio Out (Optical)	1
	RF In (Terrestrial / Cable input / Satellite input)	1/1(Common Use for Terrestrial)/0
	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		UE60J6240AWXXH
<b>Design</b>	Design	Wavy Line
	Bezel Type	VNB
	Slim Type	Slim
	Front Color	Black
	Light Effect (Deco)	N/A
	Stand Type	V-Shape
	Swivel (Left/Right)	N/A
<b>Additional Feature</b>	Instant On	Yes
	Processor	Quad
	Accessibility	Enlarge/ High contrast
	Digital Clean View	Yes
	One Connect (Jack)	N/A
	Auto Channel Search	Yes
	Auto Power Off	Yes
	BD Wise Plus	Yes
	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
<b>Eco Feature</b>	Eco Sensor	Yes
	Energy Efficiency Class	A+



## 2-3. Accessories



### NOTE

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

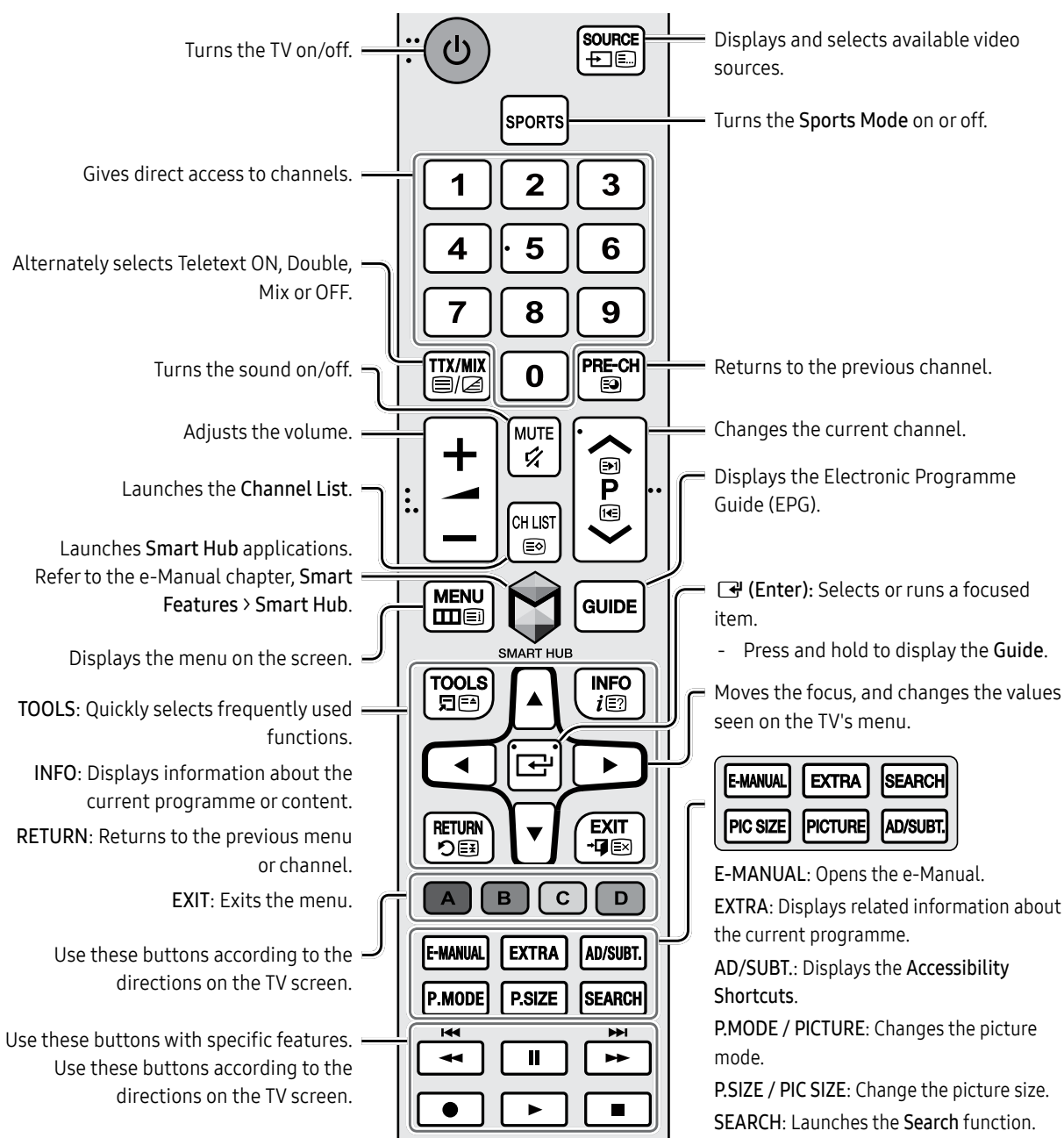
Product	Code. No	Product	Code. No
• Remote Control	BN59-01198Q	• User Manual	BN68-07177Y
• Batteries (AAA x 2)	4301-000121	• Regulatory Guide	BN68-04972E
• Power Cord	3903-001118	• Warranty Card	BN68-03548J

Image	Product	Code. No
	• CI Card Adapter	3709-001791
	• Holder-Wire Stand	BN96-15806B



## 2-4. Viewing the Functions

### ■ The Remote Control

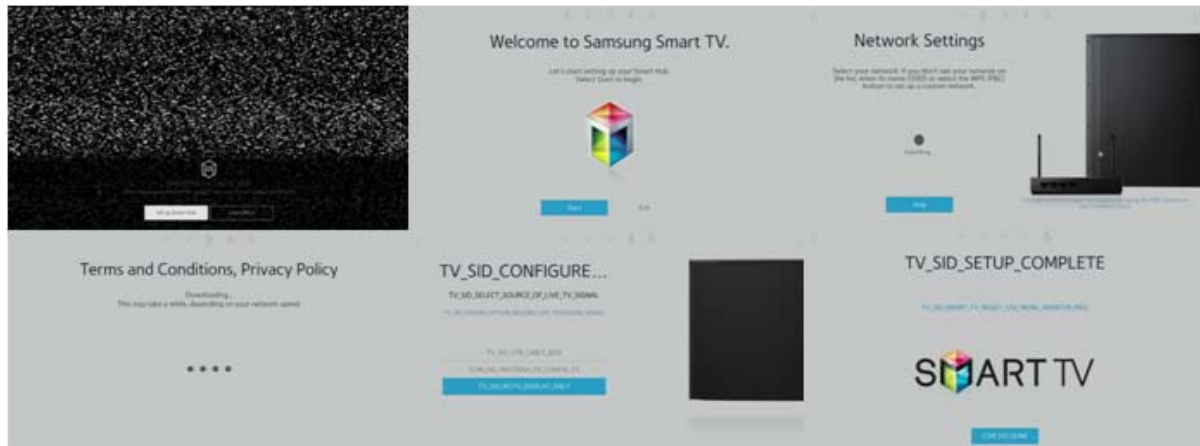


- The button names above may differ from the actual names.
- The remote control may differ by its model.

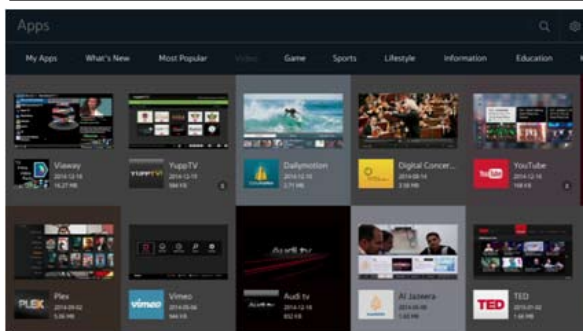
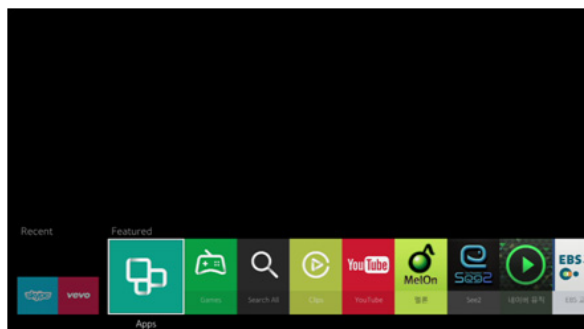
## 2-5. NEW Key Features

### 2-5-1. 15" New UI

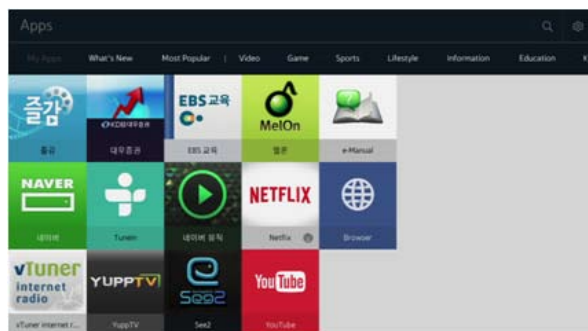
#### ■ SMART HUB START



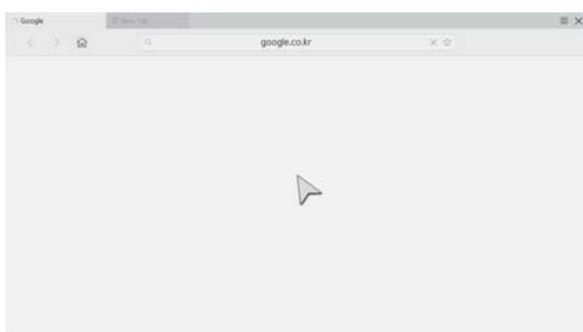
#### ■ After Smart HUB setup



<Videos contents>



<My Apps>



<Web browser>



<My contents>

## 2-5-2. Instant On

### ■ Enabling the TV to Boot Faster

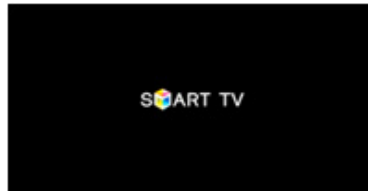
**MENU > System > General > Samsung Instant On**

Set Fast Boot on to have the TV boot up faster.

#### <Cold Boot>



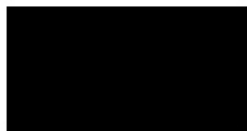
Detachable power



#### <Instant On>



Remocon on



## 2-6. Supported Formats

### ■ Supported Image resolution

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

### ■ Supported Music File Formats

File Extension	Type	Codec	Comments
*.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	Type 0, type 1 and supported.
*.ape	ape	ape	-

- Sound or video may not work if they have standard bit rates/frame rates above the TV's compatibility.
- 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
- Some USB/digital camera devices may not be compatible with the player.

## ■ Supported Video Code

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	4096x2160	UHD: MAX 30 FHD: MAX 30 HD : MAX 60 UHD: 60	60	AC3 LPCM ADPCM (IMA, MS) AAC HE-AAC WMA Dolby Digital Plus MPEG(MP3) DTS (Core, LBR) G.711(A-Law, μ-Law
		Motion JPEG				
		HEVC(H.265)				
		DivX 3.11/4/5/6	1920x1080	FHD: 30 HD : 60	30	
		MPEG4 SP/ASP				
		Microsoft MPEG-4 v1 , v2 , v3				
		Window Media Video v7(WMV1), v8(WMV2)				
		Window Media Video v9(VC1)				
		MPEG2				
		MPEG1				
		VP6				
		H.263 Sorrenson				
		MVC				
		*.webm			WebM	

## ■ Other Restrictions



### NOTE

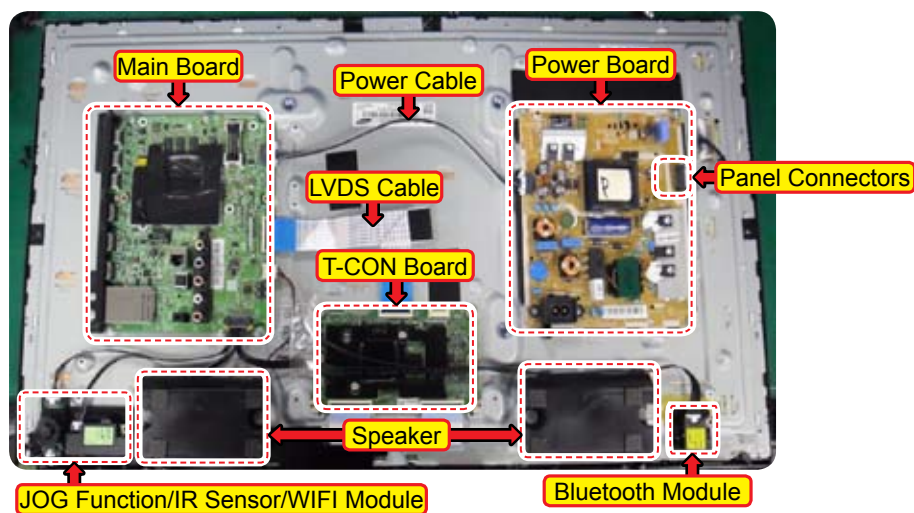
- Codecs may not function properly if there is a problem with the content data.
- Video content does not play or does not correctly if there is an error in the content or container.
- Sound or video may not work if they have standard bit rates/frame rates above the TV's compatibility.ratings
- If the 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 datatransmission speeds.
- Some USB/digital camera devices may not be compatible with the player.

## 4. Troubleshooting

### 4-1. Troubleshooting

#### 4-1-1. Previous Check




##### ■ Check list for initial operation



## 4-2. How to Check Fault Symptom

### 4-2-1. Video

#### ■ Customer Picture Test

Main Board	Pre FRC	Post FRC	Problem
			
Pass	Pass	Pass	Check Signal Source and other inputs
Fail	Pass	Pass	Main Board or LVDS Cable
Fail	Fail	Pass	T-Con or Board
Fail	Fail	Fail	T-Con or Panel

#### ■ MAIN / FRC / T-CON

**Troubleshooting**

**CHECK TEST PATTERNS**

1

Verify "Pattern Sel".

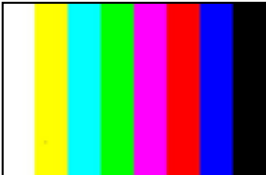
2

Verify "US Post Pattern".

3

Verify "FRC Post Pattern".

ENTER : Factory mode → SVC → Info → Test Pattern



1

Scaler Pattern

Main Board

HAWK-MF

↔ LVDS ↔

4

SoC TCON Test Pattern  
(Not available for UHD Models)

Tcon BOARD

T-CON

FRC

2

US Post Pattern

3

FRC Post Pattern

FRC Pre Pattern

FRC Post Pattern

FRC2 Pre Pattern

FRC2 Post Pattern

FRC OSD Pre Pattern

FRC OSD Post Pattern

SOC TCON Pattern

SOC TCON Pattern Level

SOC TCON FRC Pattern

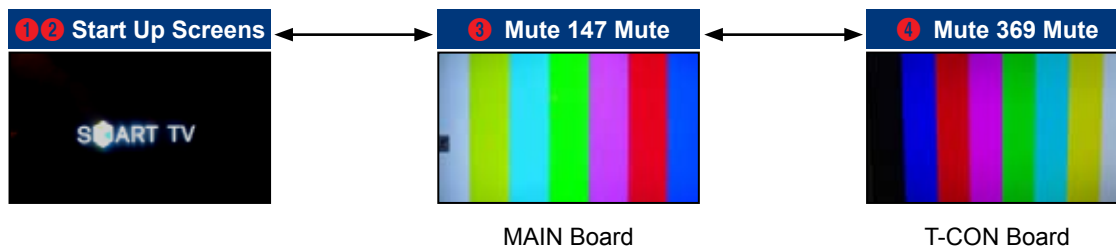
SOC TCON2 Pattern

SOC TCON2 Pattern Level

SOC TCON2 FRC Pattern

**Troubleshooting****Video Test**

- ❶ Power TV ON.
- ❷ Verify initial Start Up Screens with Power On.
- ❸ Press Mute 147 Mute to view Pattern from the **MAIN Board**.
- ❹ Press Mute 369 Mute to view Pattern from **T-CON Board**.





## 4-2-2. Bluetooth / WIFI Module

### ■ Bluetooth Module

#### Troubleshooting

- ① Check **Bluetooth Address** at [Contact Samsung](#).

```
-Wired MAC Address: c4:57:6e:da:d2:94
-Wireless MAC Address: BC:14:85:4B:E5:C6
-Bluetooth Address: BC:14:85:57:97:8C
```

✓ BT Address

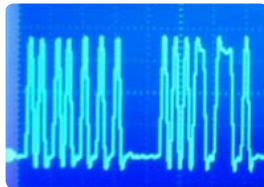
- ② Check **BT Version** at [Factory Mode](#) screen.  
 – Might require upgrade. Check GSPN.

```
T-HKMFDEUC-xxxxx
T-HKMFDEUS-xxxx
tztv-2.2.1-hawk-m-fhd_2015*****
```

```
BT Version : xxxx
E-Manual : HMFxxxx-****
Camera Version : Not Support
Blaster Version :Not Support
```

✓ BT Version

- ③ Check the BT Connector voltage.  
 – If the DC voltage supply is missing, check the **cable** and the **Main Board**.



BT Signal  
(4V P-P)



Pins	1	2	3	4	5	6	7	8	9	10
<b>Standby</b>	0	3.3Vdc	0	0	0V	0	5	3.3Vdc	0	3.3Vdc
<b>Power ON</b>	3.3Vdc	3.3Vdc	0	0	2V BT Sig. 4V P-P	1V BT Sig. 4V P-P	5	3.3Vdc	3.3Vdc	3.3Vdc

- All Measurements in the Chart are DC Volts with Multi Meter.
- Bluetooth Sig. & Sync Pulse are effective DC Readings.



Voltage is normal, but BT Sig. pins (DC Ref.) If you do not measure, BT Module can possibly defective.

## ■ WIFI Module

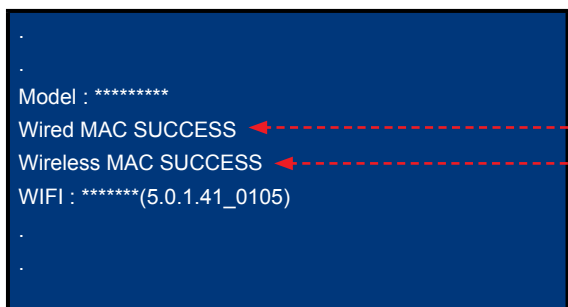
### Troubleshooting

- ① Check **Wired MAC Address** and **Wireless MAC Address** at [Contact Samsung](#).

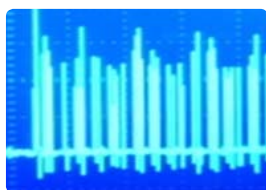

 -Wired MAC Address: c4:57:6e:da:d2:94 ✓ **Wired MAC Address**  
 -Wireless MAC Address: BC:14:85:4B:E5:C6 ✓ **Wireless MAC Address**  
 -Bluetooth Address: BC:14:85:57:97:8C

- ② Check **Wired MAC** and **Wireless MAC** at [Factory Mode](#) screen. (Success/Failure)

- Wired MAC errors : **Main Board** is defective.
- Wireless MAC errors :


 Model : \*\*\*\*\*  
 Wired MAC SUCCESS ✓ **Wired (SUCCESS)**  
 Wireless MAC SUCCESS ✓ **Wireless (SUCCESS)**  
 WIFI : \*\*\*\*\* (5.0.1.41\_0105)

- ③ Check the Wi-Fi Module Connector voltage.



Wi-Fi Signal  
(500mv P-P)



Pins	1	2	3	4	5	6
<b>Standby</b>	0	0	0	0	.8	0
<b>Power ON</b>	0	.04Vdc Wi-Fi Sig.	.04Vdc Wi-Fi Sig.	5.3Vdc	3.3Vdc	3.3Vdc

- All Measurements in the Chart are DC Volts with Multi Meter.



Voltage is normal, but Wi-Fi Sig. pins (DC Ref.) If you do not measure, Wi-Fi Module can possibly defective.

## 4-3. Factory Mode Adjustments

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



#### NOTE

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

#### ■ UE40J6240AWXXH

Inches		40"
		FA01
PANEL	Vendor	SDC
	Code	BN95-01316N
	Spec.	CY-GH040BGLVBH/V
SMPS BOARD	Vendor	DYREL
	Code	BN44-00703H
	Spec.	L48S1_FDY
MAIN BOARD	Chassis Ass'y	BN91-17289D
	PBA Ass'y	BN94-10812D
Byte	Item	
0	Factory Reset	-
1	Type	40A6AF0VK
2	Local set	EU
3	SW Model	UJ6240
4	BOM Model	6240
5	Tuner	-
6	Ch table	NONE

## ■ UE50J6240AWXXH

Inches		50"
		DA01
PANEL	Vendor	INX
	Code	BN95-01321D
	Spec.	CY-GH050CSNV4V
SMPS BOARD	Vendor	HANSOE
	Code	BN44-00704E
	Spec.	L55S1_FHS
MAIN BOARD	Chassis Ass'y	BN91-17291D
	PBA Ass'y	BN94-10814D
Byte	Item	
0	Factory Reset	-
1	Type	50D1AF0V
2	Local set	EU
3	SW Model	UJ6240
4	BOM Model	6240
5	Tuner	-
6	Ch table	NONE

## **UE60J6240AWXXH**

Inches		60"	
		EA01	EA02
PANEL	Vendor	SHARP	SHARP
	Code	BN95-01333A	BN95-01333M
	Spec.	LQ600D3HD6K	CY-HH060CSSV6V/H
SMPS BOARD	Vendor	SEM	SEM
	Code	BN44-00705C	BN44-00705C
	Spec.	L60S1_FSM	L60S1_FSM
MAIN BOARD	Chassis Ass'y	BN91-17293D	BN91-17293D
	PBA Ass'y	BN94-10816C	BN94-10816C
Byte	Item		
0	Factory Reset	-	
1	Type	60H1AF0S	
2	Local set	EU	
3	SW Model	UJ6240	
4	BOM Model	6240	
5	Tuner	-	
6	Ch table	NONE	

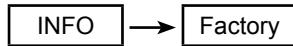
### 4-3-2. Entering Factory Mode

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

- If you do not have Factory remote control



- If you have Factory remote control



- Some items are not available without a factory remote.

Option	T-HKMFDEUC-xxxxx	Main SW Version
Control	T-HKMFDEUS-xxxx	Sub Version (Main, Jak)
Debug	tzv-2.2.1-hawk-m-fhd_2015****	
SVC	BT Version : xxxx	Bluetooth Version
ADC/WB	E-Manual : HMFxxx-****	E-Manual Version
	Camera Version : Not Support	
	Blaster Version :Not Support	
	E-POP Version :HAWKNFH-**** **	
	EDID SUCCESS	
	HDCP SUCCESS	
	CALIB : AV/COMP/PC/HDMI/	
	Option : xxxx,xxxx,6240,NONE	
	DTCP Not Support	
	TCON Version : -----	TCON Version
	Model : UEXXJ62****	
	Wired MAC SUCCESS	Condition of Wired Mac
	Wireless MAC SUCCESS	Condition of Wireless Mac
	WIFI : *****5.0.1.41_0105)	
	CO Nf/W/M/D/H2 P / AO O S / M RO SC SiX	
	Factory Data Ver : 195 EERC Version : 34	
	CPLD/HD :N/A	
	SmartControl : ****	
	Date of purchase : mm/dd/yyyy	

### 4-3-3. Factory Data

#### ■ Option

Factory Menu Name	Data	Range
<b>Factory Reset</b>	-	
<b>Type</b>	40A6AF0VK 50D1AF0V 60H1AF0S	
<b>Local Set</b>	EU	
<b>SW Model</b>	UJ6240	
<b>BOM Model</b>	6240	
<b>TUNER</b>	-	
<b>Ch Table</b>	NONE	
<b>MRT Option</b>		
Front Color	U-R-C-55	U-T-CL-M68
LVDS FORMAT	JEIDA	
Language_Arabic	US	
Region	USA	
PnP Language	ENG_US	
WIFI REGION	B	
OTN Support	ON	
OTA Support	OFF	
TTX	OFF	
China HD	OFF	
NT Conversion	OFF	
OPTION_NUM		
BD Wise Support	OFF	
PVR Support		
LEDMotionPlus Support		
Natural Mode Support	ON	
HDMI/DVI SEL	4	
HV Flip		HV Flip / H Filp / OFF
Light Effect	OFF	
e-Pop Default	ON	
CAMERA Support	OFF	
NETWORK Support	Int-Wifi	
EcoSensor Support	ON	
Frameless Support		
3D Support	OFF	

Factory Menu Name	Data	Range
BT Support	ON	
BT ADDRESS	Not support	
HP LINE	LineOut	
Resolution Sel	FHD	
Multiview Support	OFF	
Local Dimming Panel	OFF	
Wifi Vendor	QCA	
FAN Vendor	OFF	
Voice Recog	OFF	
Motion Recog	OFF	
TTV Support (21_9)	OFF	
PC Mode Dimming Support	OFF	
PX Support	OFF	
No Glass 3D support	OFF	
MLS Support	OFF	
MBR Support	OFF	
SmartView Support	ON	
Provider Setup Support	OFF	
Bezel Light Support	OFF	
Smart control Supoort	OFF	
Bendable Suppport	OFF	
<b>Engineer Option</b>		
Type Of PANEL KEY	None	
5 Way Function Key	R BACK	
Power Panelkey Only		
Contents Bar	0	
Cable Modulation	...	
Standby led on/off	ON	
Recognition Support	OFF	
IF AGC	7	
D AGC	0	
PH BW	3	
FQ BW	3	
PH RATE	4	
PD EN	1	
WF Scale		
WF Type	0	



#### 4. Troubleshooting

Factory Menu Name	Data	Range
Number of Network Stream	1	
BT_AUDIO_ON_OFF	OFF	
Config_AV_PATH		
USING_PSI_UPDATE	-	
Fast Logo Delay	0	
JP Tuner Reset Delay		
Num of PANEL KEY	7	
Panel Init Time		
Tcon Init Time		
Write MAC Address		
data sync Init		
Common Source Support	ON	
OVD Support	0	
EcoSensor Location	0	
BENDABLE PEQ Inx	0	

#### ■ Control

Factory Menu Name	Data	Range
<b>EDID</b>		
EDID ON/OFF	OFF	
EDID WRITE ALL	...	
EDID WRITE HDMI	...	
EDID Ver	...	
EDID Port		
<b>Sub Option</b>		
RS-232 Jack	UART	Debug/UART
EXT Link Support	OFF	
Serial Log On/Off	ON	
Watchdog	OFF	
FRC Monitoring		
Checksum	0x0000	
Fast Boot in Production	OFF	
UART Enable	OFF	
Eeprom Reset		
ECO IC TYPE	MC8121	
Info Link Server Type	development	
Info Link Country	None	

Factory Menu Name	Data	Range
TTX Group	UserOSD	
Visual Test	-	
OPTION_SWU		
OTN Server Type	operating	
OTN Test Server	OFF	
SWU Reset		
SWU Duration	OFF	
SWU Fail Test	OFF	
RF Remocon Support	OFF	
CDD mode	-	
DPMS Support	OFF	
T-CON Device		
RM		
Server Type	Operating	
RTS Mode	OFF	
LMN 1ST THRESHOLD	80	
LMN 2ST THRESHOLD	60	
LMN 3ST THRESHOLD	40	
EOS Click	OFF	
BP PMS Reset	1	
Fanet Thread	2	
User InstantOn Default Value	ON	
CI CPLD Version		
ACM_MC	ON	
HotkeyList		
UNIQUE TRIPLET	ON	
FS_FAV	OFF	
Pricate Range USE	ON	
SCSA Support	OFF	
OCM Reboot	ON	
SPI Protection		
<b>Hotel Option</b>		
Hospitality Mode	OFF	
Power On	...	
Menu OSD	...	
Operation	...	
Music Mode	...	

#### 4. Troubleshooting

Factory Menu Name	Data	Range
External Source	...	
Eco Solution	...	
Cloning	...	
<b>Shop Option</b>		
Shop Mode	OFF	
Exhibition Mode	OFF	
3D Cube	OFF	
<b>Asia Option</b>		
Unbalance	OFF	
AF Level adjust	3	
TX Power Level	0	
Mono Last Memory	OFF	
H Shaking	OFF	
<b>SOUND</b>		
High Devi	OFF	
Carrier_Mute	OFF	
Pilot Level High Thld	0x70h	
Pilot Level Low Thld	0x20h	
Carrier2 Amp High THID	6	
Carrier2 Amp Low THID	4	
Amp Volume	0xc5h	
Amp Scale		
Amp EQ Check Sum		
Subwoofer Support		
Woofer Type	0	
Woofer Volume	0xcbh	
Woofer Scale	0x8ah	
Woofer Check Sum	NONE	
Woofer Local EQ Checksum	0	
PEQ Inx		
PEQ Test		
Amp Model	NTP7415	
Speaker EQ	ON	
Bottom CheckSum	NONE	
Wall Filter Type	2	
SRS Tuning Parm	0	
SPDIF PCM Gain	-9dB	

Factory Menu Name	Data	Range
AudioDock BT Delay		
3D_Glass BT Delay		
Mic Scale		
India Sound		
Specker Delay Normal		
NTV CU Delay		
Lipsync Inx		
Lipsync CheckSum	OK:0x9631	
Lipsync USB Test	Ready	
LipSync BT CheckSum	OK:0x696A	

## ■ Debug

Factory Menu Name	Data	Range
<b>Spread Spectrum</b>		
LVDS Spread	ON	
DDR Spread	1.0% Spectrum	
Period	30K	
Amplitude	1	
HD SSC ON/Off	ON	
HD SSC Value	1	
FHD SSC ON/Off	ON	
FHD SSC Value	0	
UHD SSC ON/Off	ON	
UHD SSC Value	0	
US DDR SSC ON/Off	ON	
US DDR SSC Value	1	
US Ebus SSC ON/OFF	ON	
US Ebus Value	0	
P ebus SSC ON/OFF	ON	
P ebus SSC Value	0	
LVDS SSC ON/OFF	ON	
LVDS SSC Value	3	
US LVDS SSC ON/OFF	ON	
US LVDS Value	5	
FRC Vx1 SSC ON/OFF	OFF	
FRC Vx1 SSC Period	0	
FRC Vx1 SSC Modulation	1	

#### 4. Troubleshooting

Factory Menu Name	Data	Range
FRC LVDS SSC ON/OFF	OFF	
FRC LVDS SSC MRR	3	
FRC LVDS SSC MFR	2	
FRC DDR SSC ON/OFF	ON	
FRC DDR SSC MRR	3	
FRC DDR SSC MFR	4	
FRC DDR SSC Period	0	
FRC DDR SSC Modulation	2	
<b>DDR Margin</b>		
A CTRL_OFFSET_0_3	0x0	
A CTRL_OFFSET_D	0x0	
B CTRL_OFFSET_0_3	0x0	
B CTRL_OFFSET_D	0x0	
<b>BT_ON_OFF</b>	ON	
<b>RF Mute Time</b>	600ms	
<b>FRC</b>		
FRC FDISPLAY ON/OFF	0	
3D FDISPLAY ON/OFF	OFF	
PC Mode ON/OFF	OFF	
Home Panel FRC	OFF	
DDR Test	0	
FRC VX1 RX EQ SETTING	OFF	
Netfilix OSD Threshold	1	
<b>Tuner Margin</b>	3	
<b>MPEG Margin</b>	20	
<b>H.264 Margin</b>	15	
<b>CAM Wait Time</b>	0	
<b>TCON_TEMP READ</b>	0	
<b>TEMP LAST</b>	6000	
<b>DCC VERSION</b>	0x0	
<b>DCC CHK SEL</b>	0	
<b>DCC CHECK LOCAL</b>	0x0	
<b>DCC CHECK TOTAL</b>	0x0	
<b>Voice Debug</b>	OFF	
<b>Power Management</b>		
<b>Cert Option</b>	Wating	
<b>RM_BIST_DTV</b>	5	

Factory Menu Name	Data	Range
<b>RM_BIST_ATV</b>	0	
<b>RM_BIST_CABLE</b>	29	
<b>SerDES_Check</b>		
<b>EU_CIS</b>	0	
<b>Stress Mode</b>	OFF	
<b>Log Analyzer</b>	ON	
<b>Error Popup On/off</b>	ON	
<b>DeadLock KILL</b>	OFF	
<b>CES mode on/off</b>	NONE	
<b>CES Option</b>	OFF	
<b>CES convergence Option</b>	OFF	
<b>TCON Demura Bypass</b>	OFF	

## ■ SVC

Factory Menu Name	Data	Range
<b>Self Test(for HW)</b>		
Loop Back		
LAN Test		
AV Audio Test		
AV2 Audio Test		
CVBS Test		
CVBS2 Test		
COMP Test		
USB HUB Test		
SPDIF Test		
HDMI Test		
SCART Audio		
SCART Video		
CPU	...	
DDR		
FLASH		
EEPROM		
Tuner X-TAL		
Tuner 1		
HDMI Switch IC		
USB HUB IC		
WIFI		

#### 4. Troubleshooting

Factory Menu Name	Data	Range
LVDS		
LVDS2		
T-CON/FRC	...	
PCB Test	...	
MOIP		
BT		
EcoSensor		
Voltage		
Chip Test		
Module Test		
ATV CH Inspection		
DTV CH Inspection		
Satellite CH Inspection		
EXT Sound Inspection		
Woofer Sound Inspection		
Tweeter Sound Inspection		
DP TEST		
DP CRC Result		
Voltage Result		
Aging line test		
Satellite CH Inspection		
<b>Info</b>	0	
SVC Info		
ER Count		
Panel Display Time		
Factory Entry Numver		
Factory Execution History		
Factory Reset History		
Sudden Power Off Count		
SPI Flash		
OCM Count		
<b>Upgrade</b>		
T-CON Usb Download	...	
T-CON CheckSum	Ready	
T-CON2 Usb Download		
T-CON2 CheckSum		
PANEL EEPROM UPGRADE		

Factory Menu Name	Data	Range
PANEL FHASH UPGRADE		
Logic Usb D/L		
SUBMICOM UPGRADE	ON	
SUBMICOM JP USB UPGRADE		
BT UPGRADE	Failure	
BT FREPAIRING		
Function Upgrade	Failure	
FRC3D FW Upgrade		
FRC3D LD UPGRADE		
FRC3D FW UPGRADE		
Camera Upgrade		
Mic Upgrade	Failure	
Jump Upgrade		
IR Blaster Upgrade	0	
IR Blaster delay time		
NTV CU UPDATE		
UD LDC PROFILE UPGRADE		
Pic Data USB Update	0	
Audio Data USB Update		
Eco Data USB Update	0	
CI CPLD UPGRADE		
SC ADK Upgrade		
SC MCU Upgrade		
TCON DEMURA FW UPGRADE		
<b>Reset</b>	0	
Apps Reset		
SVC Reset	0	
SPI Flash Reset		
Data Sync Reset		
<b>OPTION_HDMI</b>		
DVI/HDMI SOUND	Auto	
HDMI HOT PLUG	Disable	
HOTPLUG SWITCHING	Boot	
HOT PLUG DURATION	1200ms	
CLK TERM DURATION	1200ms	
HDMI FLT CNT SIG	100ms	
HDMI FLT CNT LOS	100ms	



#### 4. Troubleshooting

Factory Menu Name	Data	Range
UNSTABLE BAN CNT	5000ms	
HDMI ROBIN	ON	
HDMI Callback	OFF	
HDMI CTS THLD	8	
HDMI CTS Cnt1	1	
HDMI EQ	AUTO	
HDMI Write Type	Combine	
HDMI Switch	NONE	
DVI SET TIME	300ms	
H Write		
HDMI Sync		
HDMI 3D DET	0	
HOT PLUG OFF HOLD TIME		
HDMI MUTE TIME		
REPEAAUDIO PKT		
HDMI HDCP EN		
HDMI HDCP EN FLAG		
POWER ON FLT CNT LOS		
HDCP UPDATE SPI		
SPI VERSION	1	
<b>DVB CI</b>		
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	
<b>Test Pattern</b>		
Scaler Pattern		
US Post Pattern		
FRC Pre Pattern	0	
FRC Post Pattern	0	
SOC TCON Pattern	0	
SOC TCON Pattern Level	255	
FRC OSD Pre Pattern		

Factory Menu Name	Data	Range
FRC OSD Post Pattern		
FRC2 Pre Pattern		
FRC2 Post Pattern		
SOC TCON2 Pattern		
SOC TCON2 Pattern Level		
<b>Other Setting</b>		
Delete S/N	0	
IPERF	Stopped	
Expert		
CAL Data Backup	...	
CaL Data Restore		
MICOM POWER OFF	ON	
NTV RF Region		
NTV CU FW VER	0	
ATV IF AGC SPEED	0	
Source Direct On/Off	OFF	
Apps Update		
Auto Power	LAST POWER	
SMCE Control		
Moter Test	ORIGINAL	
<b>SVC Panel</b>		
<b>Tizen</b>		
Export		
Import		
Verify		
Flash Reset		
Tizen EEPROM Reset		
<b>S/N</b>		
Serial number		
Writing S/N		

## ■ ADC/WB

Factory Menu Name	Data	Range
<b>ADC</b>		
AV Calibration	/	
Comp Calibraion	/	
PC Calibration	/	

#### 4. Troubleshooting

Factory Menu Name	Data	Range
HDMI Calibration	/	
<b>ADC Result</b>		
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	130	
2nd_G_L	130	
2nd_B_L	130	
2nd_R_H	69	
2nd_G_H	69	
2nd_B_H	69	
<b>White Balance</b>		
R-Offset	128	
G-Offset	128	
B-Offset	128	
R-Gain	128	
G-Gain	128	
B-Gain	128	
WB_W2_R_Offset	128	
WB_W2_B_Offset	128	
WB_W2_R_Gain	164	
WB_W2_B_Gain	63	
WB_N_R_Offset	128	
WB_N_B_Offset	128	
WB_N_R_Gain	151	
WB_N_B_Gain	108	
<b>MGA</b>		
MGA On/Off	OFF	
R1_Gain	...	
B1_Gain	...	
G1_Gain	...	
R2_Gain	...	
B2_Gain	...	
G2_Gain	...	

Factory Menu Name	Data	Range
R3_Gain	...	
B3_Gain	...	
G3_Gain	...	
R4_Gain	...	
B4_Gain	...	
G4_Gain	...	
R5_Gain	...	
B5_Gain	...	
G5_Gain	...	
R6_Gain	...	
B6_Gain	...	
G6_Gain	...	
R7_Gain	...	
B7_Gain	...	
G7_Gain	...	
R8_Gain	...	
B8_Gain	...	
G8_Gain	...	
R9_Gain	...	
B9_Gain	...	
G9_Gain	...	
R10_Gain	...	
B10_Gain	...	
G10_Gain	...	
MGA On/Off	OFF	
R1_Gain	...	
B1_Gain	...	
G1_Gain	...	
R2_Gain	...	
B2_Gain	...	
G2_Gain	...	
R3_Gain	...	
B3_Gain	...	
G3_Gain	...	
R4_Gain	...	
B4_Gain	...	
G4_Gain	...	

#### 4. Troubleshooting

Factory Menu Name	Data	Range
R5_Gain	...	
B5_Gain	...	
G5_Gain	...	
R6_Gain	...	
B6_Gain	...	
G6_Gain	...	
R7_Gain	...	
B7_Gain	...	
G7_Gain	...	
R8_Gain	...	
B8_Gain	...	
G8_Gain	...	
R9_Gain	...	
B9_Gain	...	
G9_Gain	...	
R10_Gain	...	
B10_Gain	...	
G10_Gain	...	
<b>SPI White Balance</b>	...	
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	...	
SPI W2 Bgain	...	
SPI W2 Roffset	...	
SPI W2 Boffset	...	
<b>SPI MGA</b>	...	
SPI MGA On/OFF	...	
SPI R1_Gain	...	

Factory Menu Name	Data	Range
SPI G1_Gain	...	
SPI B1_Gain	...	
SPI R2_Gain	...	
SPI G2_Gain	...	
SPI B2_Gain	...	
SPI R3_Gain	...	
SPI G3_Gain	...	
SPI B3_Gain	...	
SPI R4_Gain	...	
SPI G4_Gain	...	
SPI B4_Gain	...	
SPI R5_Gain	...	
SPI G5_Gain	...	
SPI B5_Gain	...	
SPI R6_Gain	...	
SPI G6_Gain	...	
SPI B6_Gain	...	
SPI R7_Gain	...	
SPI G7_Gain	...	
SPI B7_Gain	...	
SPI R8_Gain	...	
SPI G8_Gain	...	
SPI B8_Gain	...	
SPI R9_Gain	...	
SPI G9_Gain	...	
SPI B9_Gain	...	
SPI R10_Gain	...	
SPI G10_Gain	...	
SPI B10_Gain	...	
WB Data to SPI	...	

## 4-4. White Balance

### 4-4-1. Calibration

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

Option	AV Calibration
Control	Comp Calibration
Debug	HDMI Calibration
SVC	
<b>ADC/WB</b>	

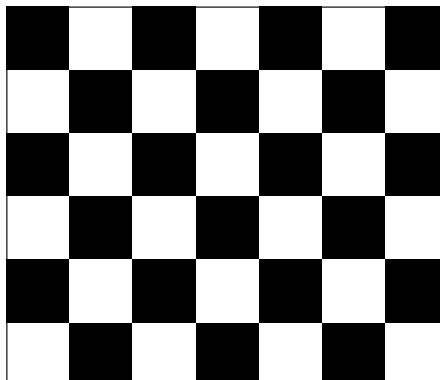
### 4-4-2. Service Adjustment

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

#### ■ Color Calibration

- Adjust Specification

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



(Chess Pattern)

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

Input mode	Calibration	Pattern
CVBS IN (Model_#1)	Perform in NTSC B&W Pattern #24	Lattice
Component IN (Model_#6)	Perform in 720p B&W Pattern #24	Lattice
HDMI IN	Perform in 720p B&W Pattern #24	Lattice

**Method of Color Calibration (AV)**

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

**Method of Color Calibration (Component)**

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

**Method of Color Calibration (PC)**

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

**Method of Color Calibration (HDMI)**

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



4-4-3. Adjustment

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

Option			
Control			
Debug			
SVC		(Low Light)	(Hight Light)
ADC/WB	White Balance	Sub Brightness	Sub Contrast
		R offset	R gain
		G offset	G gain
		B offset	B gain

## 4-5. AV Control Tab

Control Item				Cmd1	Cmd2	Cmd3	Value
<b>General</b>	Power	Power		0x00	0x00	0x00	0x00
		Off					0x01
		On					0x02
	Volume	Direct		0x01	0x00	0x00	(0~100)
		Up				0x01	0x00
		Down				0x02	0x00
	Mute			0x02	0x00	0x00	0x00
		Ch.	Direct	0x04	-		
			Continuous	0x03	0x00	0x01	0x00
			Down			0x02	0x00

Control Item				Cmd1	Cmd2	Cmd3	Value
<b>Input</b>	Source List	TV	TV	0x0a	0x00	0x00	0x00
			AV			0x01	0x00
		AV	AV1				0x01
			AV2				0x01
			AV3				0x02
		S-Video	S-Video1			0x02	0x00
			S-Video2				0x01
			S-Video3				0x02
		Component	Component1			0x03	0x00
			Component2				0x01
			Component3				0x02
		PC	PC1			0x04	0x00
			PC2				0x01
			PC3				0x02
		HDMI	HDMI1			0x05	0x00
			HDMI2				0x01
			HDMI3				0x02
			HDMI4				0x03
		DVI	DVI1			0x06	0x00
			DVI2				0x01
			DVI3				0x02
		RVU	RVU			0x07	0x00

Control Item				Cmd1	Cmd2	Cmd3	Value
<b>PICTURE</b>	Mode	Dynamic(Entertain)		0x0b	0x00	0x00	0x00
		Standard					0x01
		Movie					0x02

#### 4. Troubleshooting

Control Item				Cmd1	Cmd2	Cmd3	Value	
<b>PICTURE</b>	Mode	Natural					0x03	
		CAL-NIGHT					0x04	
		CAL-DAY					0x05	
		BD Wise					0x06	
		Relax					0x07	New function of 12" (only PDP TV)
	BackLight (CellLight)		0~20		0x01	0x00	(0~20)	
	Contrast		0~100		0x02	0x00	(0~100)	
	Brightness		0~100		0x03	0x00	(0~100)	
	Sharpness		0~100		0x04	0x00	(0~100)	
	Color		0~10		0x05	0x00	(0~100)	
	Tint	G/R			0x06	0x00	(0~100)	
	Advanced Settings	Black Tone	Off		0x07	0x00	0x00	
			Dark				0x01	
			Darker				0x02	
			Darkest				0x03	
		Dynamic Contrast	Off			0x01	0x00	
			Low				0x01	
			Medium				0x02	
			High				0x03	
		Shadow Detail	-2 ~ 2			0x02	(-2~2)	Not support
		Gamma	-3 ~ 3			0x03	(-3~3)	
		RGB Only Mode	Off			0x05	0x00	
			Red				0x01	
			Green				0x02	
			Blue				0x03	
		Color Space	Auto			0x06	0x00	
			Native				0x01	
			Custom				0x02	
		White Balance	R-Offset(LCD)			0x07	(0~50)	
		White Balance	G-Offset(LCD)			0x08	(0~50)	
		White Balance	B-Offset(LCD)			0x09	(0~50)	
		White Balance	R-Gain(LCD)			0x0a	(0~50)	
		White Balance	G-Gain(LCD)			0x0b	(0~50)	
		White Balance	B-Gain(LCD)			0x0c	(0~50)	
		White Balance	Reset(LCD)			0x0d	0x00	
		Flesh Tone	-15 ~ 15			0x0e	(-15~15)	

Control Item				Cmd1	Cmd2	Cmd3	Value	
PICTURE	Advanced Settings	Edge Enhancement	Off			0x0f	0x00	Not support
			On				0x01	
		xvYCC	Off			0x10	0x00	
			On				0x01	
		Motion Lighting	Off			0x11	0x00	
			On				0x01	
		Color Space Custom Color	Red			0x12	0x00	
			Green				0x01	
			Blue				0x02	
			Yellow				0x03	
			Cyan				0x04	
			Magenta				0x05	
		Color Space Custom Color Red Value	0~100			0x13	0~100	
		Color Space Custom Color Green Value	0~100			0x14	0~100	
		Color Space Custom Color Blue Value	0~100			0x15	0~100	
		LED Motion Plus	Off		0x0a	0x07	0x00	
			On(Normal)				0x01	
			Cinema				0x02	
			Ticker				0x03	
	Picture Option	Color Tone	Cool		0x0a	0x00	0x00	Change Normal → Standard mode
			Standard				0x01	
			Warm1				0x02	
			Warm2				0x03	
		Digital Noise Filter	Off			0x02	0x00	
			Low				0x01	
			Medium				0x02	
			High				0x03	
			Auto				0x04	
			Auto Visualization				0x05	
		MPEG Noise Filter	Off			0x03	0x00	
			Low				0x01	
			Medium				0x02	
			High				0x03	
			Auto				0x04	

#### 4. Troubleshooting

Control Item				Cmd1	Cmd2	Cmd3	Value
<b>PICTURE</b>	Picture Option	HDMI Black Level	Normal			0x04	0x00
			Low				0x01
		Film Mode	Off			0x05	0x00
			Auto1				0x01
			Auto2				0x02
			Cinema Smooth				0x03
		Auto Motion Plus	Off			0x06	0x00
			Clear				0x01
			Standard				0x02
			Smooth				0x03
			Custom				0x04
			Demo				0x05
	Screen Adjustment	Picture Size	16:9	0x0b	0x0a	0x01	0x00
			Zoom1				0x01
			Zoom2				0x02
			Wide Fit				0x03
			4:3				0x04
			Screen Fit				0x05
			Smart View I				0x06
			Smart View II				0x07
			Auto Wide				0x08
			Wide Zoom				0x09
			Zoom				0x0a
	Reset Picture	Reset Picture		0x0b	0x0b	0x00	0x00
	3D	3D Mode	Off	0x0b	0x0c	0x00	0x00
			2D → 3D				0x01
			Side By Side				0x02
			Top Bottom				0x03
			Line By Line				0x04
			Vertical Line				0x05
			Checker BD				0x06
			Frame Sequence				0x07
		3D → 2D	Off			0x01	0x00
			On				0x01

New function of 12" (only PDP TV)

New function of 12" (only DVB TV)

Control Item				Cmd1	Cmd2	Cmd3	Value
<b>PICTURE</b>	3D	3D View Point				0x02	(-5~5)
		Depth				0x03	(1~10)
		3D Auto View	Off			0x05	0x00
			Message Notice				0x01
			On				0x02

Control Item				Cmd1	Cmd2	Cmd3	Value
<b>Sound</b>	Sound Mode	Standard		0x0c	0x00	0x00	0x00
		Music					0x01
		Movie					0x02
		Clear Voice					0x03
		Amplify					0x04
	Equalizer	Balance			0x01	0x00	(0~20)
		100hz				0x01	(0~20)
		300hz				0x02	(0~20)
		1khz				0x03	(0~20)
		3khz				0x04	(0~20)
		10khz				0x05	(0~20)
		Reset				0x06	0x00
	SRS TruSurround HD (echo)	Off			0x02	0x00	0x00
	Virtual Surround (echo)	On					0x01
	SRS TruDialog (echo)	Off			0x03	0x00	0x00
	Dialog Clarify (X9)	On					0x01
	Preferred Language	English			0x04	0x00	0x00
		Spanish					0x01
		French					0x02
		Korean					0x03
		Japanese					0x04
	Multi-Track Sound	Mono			0x05	0x00	0x00
		Stereo					0x01
		SAP					0x02
	Auto Volume	Off			0x06	0x00	0x00
		ON					0x01

#### 4. Troubleshooting

Control Item				Cmd1	Cmd2	Cmd3	Value
<b>Sound</b>	Auto Volume	Night					0x02
	Speaker Select	TV Speaker			0x07	0x00	0x00
		External Speaker					0x01
	Sound Select	Main			0x08	0x00	0x00
		Sub					0x01
	Sound Reset	Sound Reset			0x09	0x00	0x00
	3D Audio	Off			0x0a	0x00	0x00
		Low					0x01
		Medium					0x02
		High					0x03
	Auto Stereo	Manual			0x0b	0x00	0x00
		Auto					0x01

Only for korea model

Control Item				Cmd1	Cmd2	Cmd3	Value
<b>KEY</b>	Key Generation			0x0d	0x00	0x00	refer to table
<b>OSD</b>	Show/Hide Control	Show		0x0e	0x00	0x00	0x00
		Hide					0x01
<b>Get Status</b>	Power (On/Off)			0xf0	0x00	0x00	0x00
	Volume(0~100)			0xf0	0x01	0x00	0x00
	Mute (On/Off)			0xf0	0x02	0x00	0x00
	Channel Number			0xf0	0x03	0x00	0x00
	Source (TV/AV/.../HDMI/...)			0xf0	0x04	0x00	0x00
	Picture Size			0xf0	0x05	0x00	0x00
	3D (On/Off)			0xf0	0x06	0x00	0x00
	Picture Mode			0xf0	0x07	0x00	0x00
	Sound Mode			0xf0	0x08	0x00	0x00

## 4-6. Updating the TV's Software

- [MENU/123](#) → [MENU](#) → [Support](#) → [Software Update](#)

You can view your TV's software version and update it if necessary.

### ■ Updating the TV's software to the latest version

- [MENU/123](#) → [MENU](#) → [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.

- This function requires an Internet connection.
- Save the update package in the USB device's top-level folder. Otherwise, the TV will not be able to locate the update package.



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 the default settings after a software update.

### ■ Updating the TV automatically

- [MENU/123](#) → [MENU](#) → [Support](#) → [Software Update](#) → [Auto Update](#)

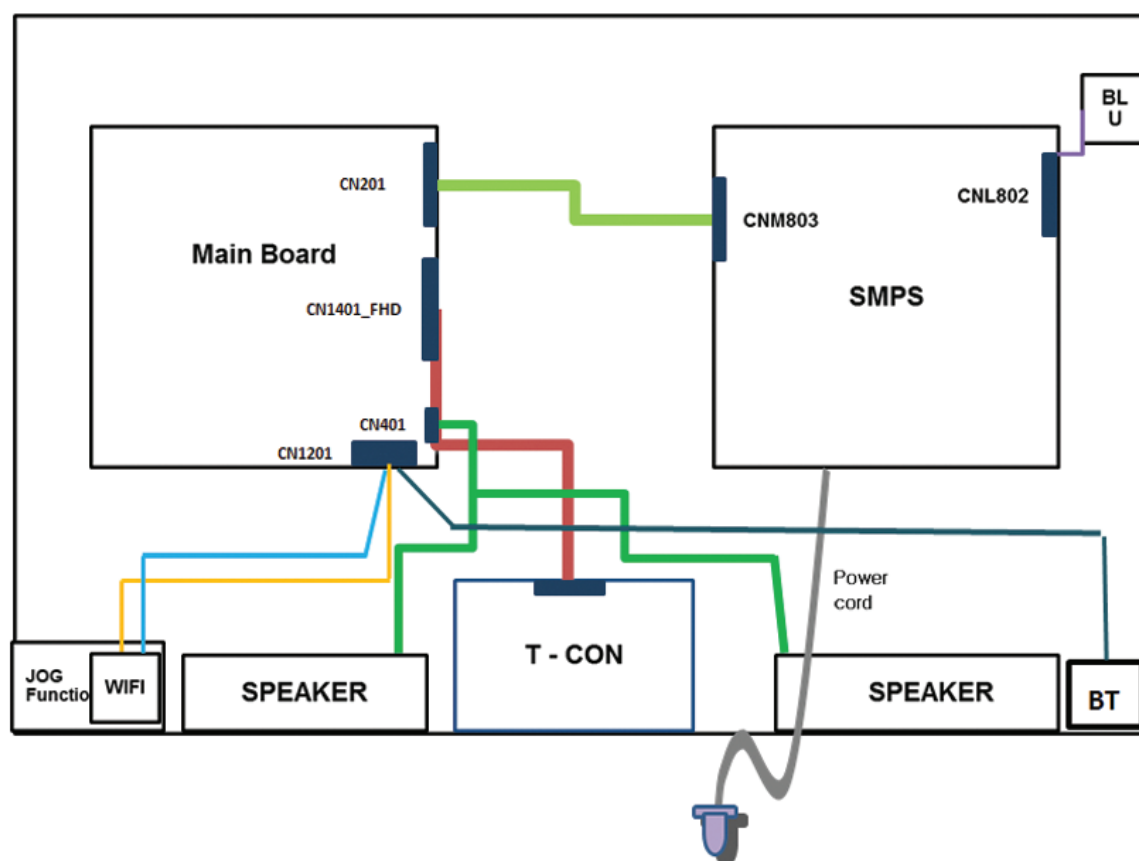
If the TV is connected to the Internet, you can have the TV's software update itself automatically while you are watching the TV. When the background update is completed, it is applied the next time the TV is turned on.

- This function may take a longer time if a different networking 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.



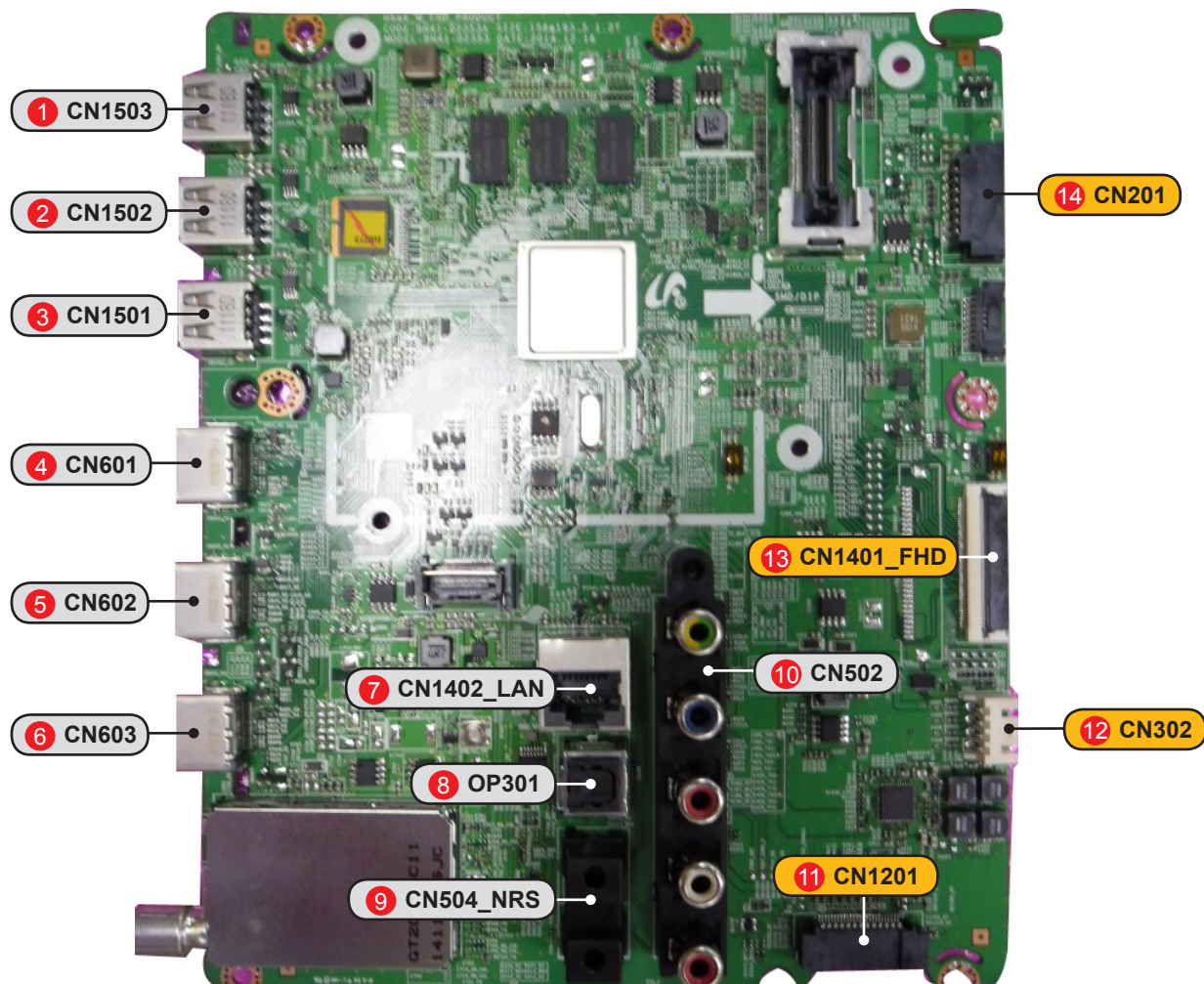
## 5. Wiring Diagram

### 5-1. Wiring Diagram



## 5-2. Connector

### ■ Main Board



### ■ Main Board Pin Map

① CN1503(USB3)			
1	B5V_USB3_PW	3	USB3_DP
2	USB3_DM	4	GND

② CN1502(USB2)			
1	B5V_USB2_PW	3	USB2_DP
2	USB2_DM	4	GND

③ CN1501(USB1)			
1	B5V_USB1_PW	3	USB1_DP
2	USB1_DM	4	GND

④ CN601(to HDMI3)			
1	HDMI1_RX2+	11	GND
2	GND	12	HDMI1_RXCLK-
3	HDMI1_RX2-	13	CEC
4	HDMI1_RX1+	14	NC
5	GND	15	HDMI1_SCL_DDC
6	HDMI1_RX1-	16	HDMI1_SDA_DDC
7	HDMI1_RX0+	17	GND
8	GND	18	HDMI1_5V
9	HDMI1_RX0-	19	HDMI1_HOT_PLUG
10	HDMI1_RXCLK+		

**⑤ CN602(to HDMI1)**

1	HDMI2_RX2+	11	GND
2	GND	12	HDMI2_RXCLK-
3	HDMI2_RX2-	13	CEC
4	HDMI2_RX1+	14	ARC2_SIGLE
5	GND	15	HDMI2_SCL_DDC
6	HDMI2_RX1-	16	HDMI2_SDA_DDC
7	HDMI2_RX0+	17	GND
8	GND	18	HDMI2_5V
9	HDMI2_RX0-	19	HDMI2_HOT_PLUG
10	HDMI2_RXCLK+		

**⑥ CN603(to HDMI2)**

1	HDMI3_RX2+	11	GND
2	GND	12	HDMI3_RXCLK-
3	HDMI3_RX2-	13	CEC
4	HDMI3_RX1+	14	NC
5	GND	15	HDMI3_SCL_DDC
6	HDMI3_RX1-	16	HDMI3_SDA_DDC
7	HDMI3_RX0+	17	GND
8	GND	18	HDMI3_5V
9	HDMI3_RX0-	19	HDMI3_HOT_PLUG
10	HDMI3_RXCLK+		

**⑦ CN1402\_LAN**

1	LAN_TXD+	5	B2.5V
2	B2.5V	6	LAN_RXD-
3	LAN_TXD-	7	NC
4	LAN_RXD+	8	GND

**⑧ OP301(to Optical Jack)**

1	SPDIF_OUT	3	GND
2	B5V_DC_PW		

**⑨ CN504\_NRS**

1	GND	5	TEST_SR
2	HP_AUD_SL_OUT	6	IDENT_HP
3	HP_AUD_SR_OUT	7	GND
4	TEST_SL		

**⑩ CN502(to Component&AV)**

1	GND	9	TEST_PR
2	COMP2_Y_CVBS	10	GND
3	INDENT_VIEDO2	11	COMP_AV_SL_IN
4	GND	12	TEST_SL
5	COMP_PB	13	GND
6	IDENT_COMP	14	COMP_AV_SR_IN
7	GND	15	TEST_SR
8	COMP_PR		

**⑪ CN1201(to Function/IR)**

1	IR	14	A5V
2	GND	15	LED_STB
3	GND	16	BT_WAKE
4	FRAME_SYNC_IN	17	GND
5	A3.3V	18	POWER_DET
6	BT_SYNC	19	NC
7	MSCL	20	BT_RESET
8	GND	21	GND
9	MSDA	22	WIFI_DP
10	USB_BT_DP	23	WIFI_DM
11	KEY_INPUT1	24	B5V_DC_PW
12	USB_BT_DM	25	WIFI_WOL
13	KEY_INPUT2	26	WIFI_RESET

**⑫ CN302(to Speaker)**

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

## 5. Wiring Diagram

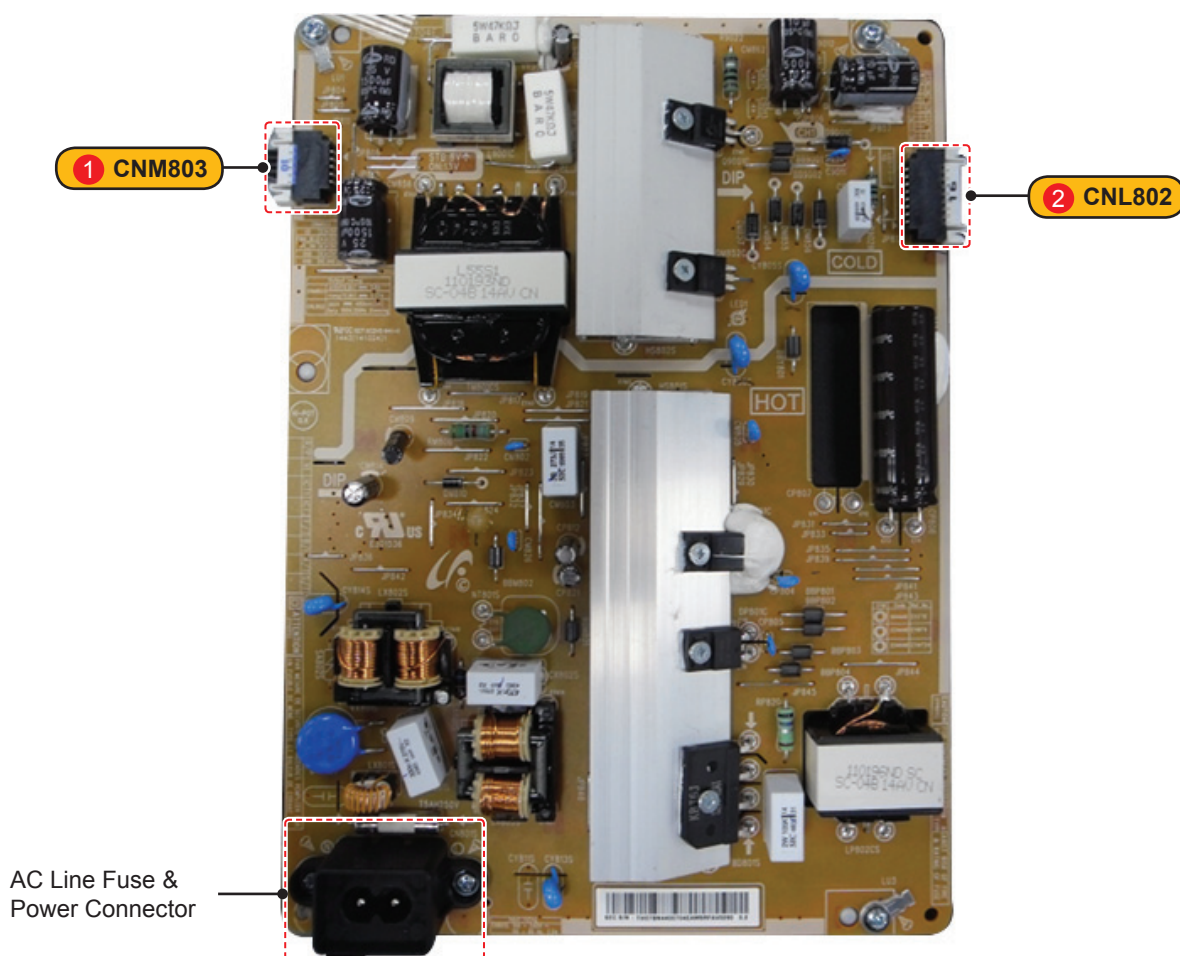
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13 CN1401_FHD			
1	NC	27	EVEN_TX0-
2	GND	28	GND
3	FRC_SDA	29	ODD_TX4+
4	FRC_PWM1	30	ODD_TX4-
5	FRC_SCL	31	ODD_TX3+
6	FRC_PWM3	32	ODD_TX3-
7	FRC_PWM2	33	GND
8	TCON_SDA	34	ODD_TXCLK+
9	PANEL_I2C_EN	35	ODD_TXCLK-
10	BT_SYNC	36	GND
11	UPDATE_CHK	37	ODD_TX2+
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 CN201(to Power board)			
1	A13V_PW	6	SW_POWER_OUT
2	A13V_PW	7	A13V_PW
3	GND	8	SW_INVERTER
4	GND	9	A13V_PW
5	A13V_PW	10	OVD_LEVEL



## ■ SMPS Board



## ■ SMPS Board Pin Map

1 CNM803 (P-Dim Control from Main Board)			
1	A13V	6	PS_ON
2	UD	7	A13V
3	A13V	8	GND
4	PWM_BLU	9	GND
5	A13V	10	GND

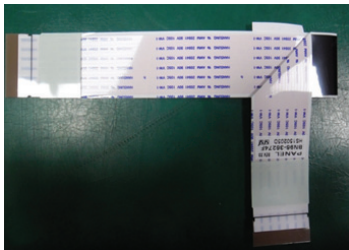
2 CNL802 (to BLU)			
1	N.C	9	N.C
2	3+	10	1+
3	3-	11	1-
4	N.C	12	N.C
5	N.C	13	N.C
6	2+	14	N.C
7	2-	15	IF2
8	N.C	16	IF1

### 5-3. Connector Functions

Connector	Function
CN201 ↔ CNM803	Supply main power and dimming signal from IP Board to Main Board.
CN1401 ↔ CON3	The LVDS signal transfered from Main Board to Panel .

## 5-4. Cables and Module

### ■ Cables

USE		Main IP (Power)	Main - TCON (LVDS)
		LEAD CONNECTOR	ASSY CABLE P-FFC CABLE
Code	40"	BN39-02036A	BN96-36274G
	50"	BN39-02036D	BN96-36274J
	55"	BN39-02036D	BN96-36274K
	60"	BN39-02036G	BN96-36274L
Photo			
USE		LEAD (IP - PANEL)	Function-Main
		LEAD CONNECTOR	LEAD CONNECTOR-FUNCTION
Code	40"	BN39-01884B	BN39-02001Q
	50"	BN39-01884B	BN39-02001K
	55"	BN39-01884B	BN39-02001K
	60"	BN39-01884B	BN39-02001K
Photo			

## ■ The Types of Module

USE		Bluetooth module	WiFi module	Function module
		ASSY BOARD P-BT MODULE	NETWORK-WIFI MODULE	ASSY BOARD P-FUNCTION
Code	40"	BN96-30218F	BN59-01174D	BN96-30902Y
	50"	BN96-30218F	BN59-01174D	BN96-30902Y
	55"	BN96-30218F	BN59-01174D	BN96-30902C
	60"	BN96-30218F	BN59-01174D	BN96-30902D
Photo				