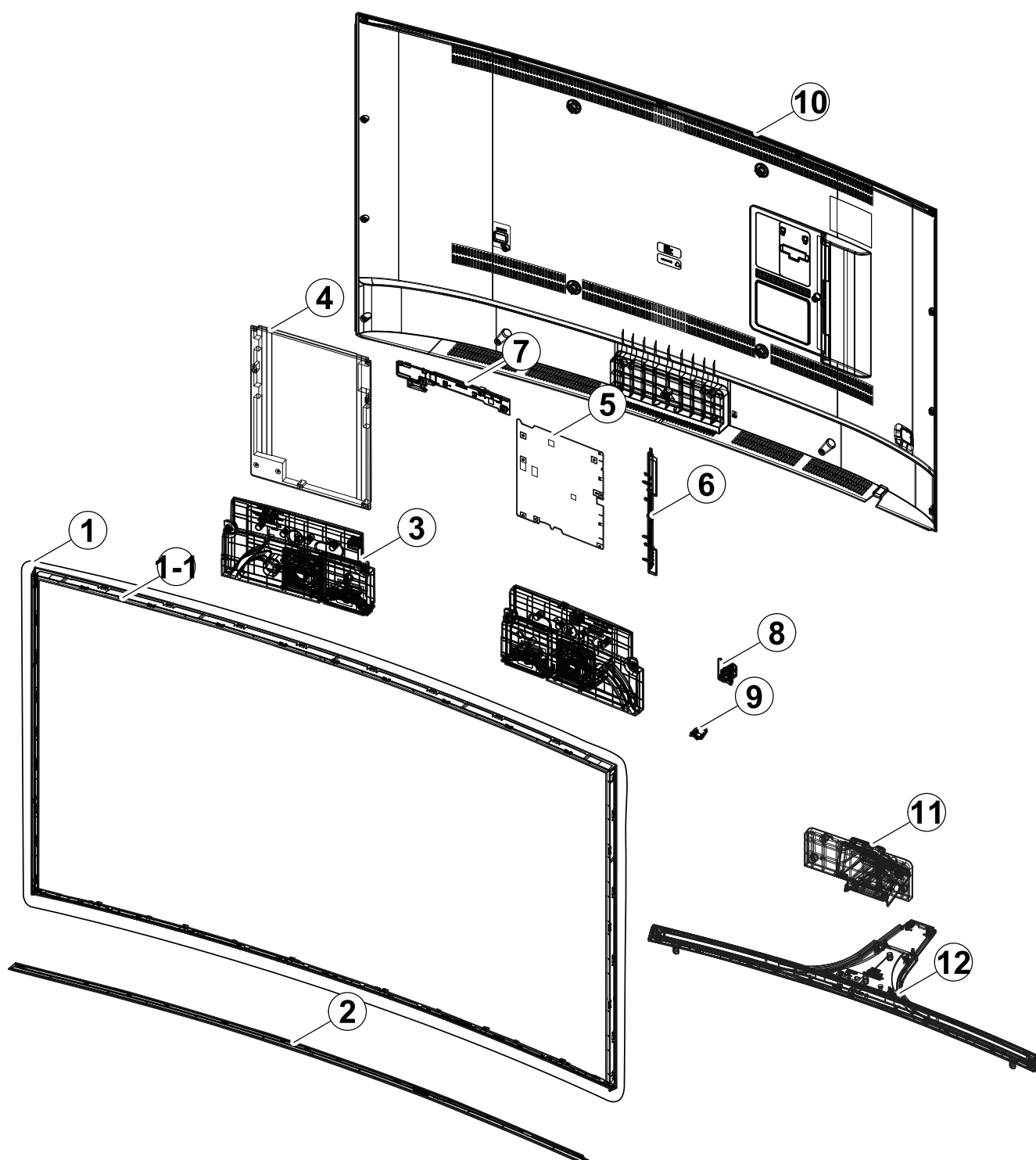


1. Exploded View & Part List

Exploded View



Parts List

No.	Lvl.	Loc.	Material Code	Description & Specification	SNA	Qty.
1	2	PANEL	BN95-01965D	PRODUCT LCD-AUO; CY-WJ055FLAV3V/H,JU7500,	SA	1
1-1	3	TC01A	BN96-35557A	ASSY CHASSIS FRONT P; Y15 LED 55",PC+ABS+	SA	1
2	3		BN95-02077B	ASSY COVER STAND SMT-FRONT; JU6700,48,LIG	SNA	1
3	2		BN96-34998A	ASSY SPEAKER P-FRONT; 6ohm,40W	SA	1
4	2	P001A	BN44-00811A	DC VSS-PD BOARD; L55S7_FSM,AC/DC,288W,100	SA	1
5	2	M0014	BN94-10697A	ASSY PCB MAIN; JU7500 55",AUO SUHD Panel	SA	1
6	3		BN61-11931A	COVER-TERMINAL SIDE; HIPS,HIPS,BLACK,HB,B	SNA	1
7	2	WIFI	BN59-01194A	NETWORK-WLAN CLIENT; WCH730B,58.0,31.45,8	SA	1
8	2	JOG	BN96-35345B	ASSY BOARD P-FUNCTION JOG; JU7500,CT15SE8	SA	1
9	2	IR	BN96-35346B	ASSY BOARD P-IR; JU7500,CT20SE34AA,3-in-1	SA	1
10	2	R001A	BN96-35512B	ASSY COVER P-REAR; JU7500 55,PC+ABS-GF15%	SA	1
11	2		BN96-35524B	ASSY GUIDE P-STAND NECK; UJ7500 48"-55",E	SA	1
12	2	SB04A	BN96-35516B	ASSY STAND P-BOTTOM; JU7500 48"55",PC+ABS	SA	1

2. Electrical Parts List

Level	Loc.	Part Code	Description & Specification	Qty.	SA/SNA
			UE55JU7500TXZF (BS05)		
1	R001A	BN90-06525B	ASSY COVER REAR;JU7000	1	SNA
.2	SCREW	6001-003074	SCREW-MACHINE;BH,+,M3,L6,ZPC(BLK),SWRCH1	17	SA
.2	SCREW	6003-000003	SCREW-TAPTYPE;BH,+,B,M4,L10,ZPC(BLK),S	1	SA
.2	R001A	BN96-35512B	ASSY COVER P-REAR;JU7500 55,PC+ABS-GF15%	1	SA
..3	R001	BN63-13353B	COVER-REAR;55JU7500,PC+ABS-GF15%,V-1,BK0	1	SNA
...4		0103-010275	RESIN PC ABS;235GNH15/6919H,Black,BK0007	3428	SNA
..3		BN68-03518H	LABEL-STICKER CI SLOT;WW,ALL,PET,T0.1,W1	1	SNA
..3		BN68-06889K	INLAY-TERMINAL SIDE;JU7500,PET,T0.125,W1	1	SNA
1		BN90-06678C	ASSY W/I;JU7K	1	SNA
.2		BN81-08159Z	A/S PART SET-ELEC W/I;LED TV ELEC spec-C	1	SNA
.2		BN81-11246K	A/S PART SET-MECH W/I;UJ7V,U55JV*	1	SNA
1	S001A	BN90-06679B	ASSY STAND;JU7K	1	SNA
.2	SB04A	BN96-35516B	ASSY STAND P-BOTTOM;JU7500 48"55",PC+ABS	1	SA
..3	SCREW	6003-001001	SCREW-TAPTYPE;FH,+,B,M3,L8,ZPC(BLK),SW	2	SA
..3	SCREW	6003-001321	SCREW-TAPTYPE;BH,+,B,M4,L8,ZPC(BLK),SWRC	4	SA
..3	SCREW	6003-001374	SCREW-TAPTYPE;FH,+,B,M4,L12,NI PLT,SWRCH	2	SA
..3		BN02-00040C	TAPE DOUBLE FACE;F-LED ALL,PET,T0.3,W3,L	1	SNA
..3		BN60-00163T	SPACER-FOAM;PE FOAM,ROLL,DARK GRAY,T0.35	1	SNA
..3		BN61-04692A	ADHESIVE-AA;SHEET,CLEAR,C043	0	SNA
..3		BN61-11616A	BRACKET-STAND BODY;HGI,T1.9,NATURAL	1	SNA
..3	AS080	BN63-04755H	SHEET-PROTECTION COVER;52LC530,PE,T0.05,	0	SNA
..3	AS080	BN63-04755L	SHEET-PROTECTION COVER;22LC350,PE,T0.05,	1	SNA
..3		BN63-13128E	SHEET-PROTECTION COVER;LED,AL,T0.05,W13,	1	SNA
..3		BN63-13383B	COVER-STAND TOP;JU7500_48-55,PC+ABS,V-1,	1	SNA
..3	RF01	BN67-00327J	FOOT-RUBBER;SILICONE,GRAY,T2.5	7	SNA
..3		BN95-02077B	ASSY COVER STAND SMT-FRONT;JU6700,48,LIG	1	SNA
...4		0203-001269	TAPE-OPP;#301,T0.06,W75,L50000,NTR	0	SNA
...4		0204-002420	SOLVENT;1M-1000,C3H70H,96	0	SNA
...4		0204-006964	COATING;SMT-AF,-,-,CLEAR,-,-,1,-,-,Wat	4	SNA
...4		AA69-07196V	PAD-DP SHEET;CB,DW-5,W890,L293,0	1	SNA
...4		AA69-07323C	PACKING-SHEET SMT;HDPE,PE FOAM,T0.015,T1	1	SNA
...4		AA69-07366Y	MASTER BOX-DP;CB,DW,W300,H530	1	SNA
...4		AA69-07397B	PAD-DP SHEET;CB,SW,W890,L500,0	1	SNA
...4		AA69-07402A	PAD-DP BOTTOM EPP;CB,W888,L500,0	1	SNA
...4		BN01-00160A	TARGET-CHROMIUM CY;Chromium,99.95%,1800x	0	SNA
...4		BN01-00161A	TARGET-CHROMIUM PL;Chromium,99.95%,1800x	0	SNA
...4		BN63-13387B	COVER-STAND TOP;Y15 T-STAND 48-55IN,PC+A	1	SNA

Level	Loc.	Part Code	Description & Specification	Qty.	SA/SNA
....5		0103-005041	RESIN PC ABS;FR3200TV,901408,BK0008,1.2m	88	SNA
....5		BN63-07556C	SHEET-PROTECTION COVER;TOC,PO,T0.068,W50	1	SNA
...4		BN63-14373F	SHEET-PROTECTION COVER;AL,T0.068,W35,ROL	0	SNA
...4		BN68-03920A	LABEL BOX;ALL,ART,100g,W100,L75,W/W	1	SNA
...3		BN96-35521A	ASSY BRACKET P-STAND BOTTOM;JU7500,48"	1	SNA
...4	SCREW	6003-001374	SCREW-TAPTYPE;FH,+,B,M4,L12,NI PLT,SWRCH	2	SA
...4		BN61-11440A	BRACKET-STAND BOTTOM;HGI,T4,NATURAL	1	SNA
...4		BN61-11497A	BRACKET-LINK;HGI,T4,NATURAL	1	SNA
...3	T0382	BP61-00495C	TAPE PET;ACRYL,PJT,ACRYL FOAM,T0.25,W30,	0	SNA
...2		BN96-35524B	ASSY GUIDE P-STAND NECK;UJ7500 48"-55",E	1	SA
...3		0203-001499	TAPE-OPP;T0.04,W15,,TRP	0	SNA
...3	SG03	BN61-11442A	GUIDE-STAND;JU7000 55",PC+GF20%,V-2,BLAC	1	SNA
...4		0103-007285	RESIN PC;HF3200H,K21294,BK0007,V-2	434	SNA
...3	AH089	BN61-11888A	HOLDER-STAND CABLE;JU7500,ABS,BLACK	1	SNA
...3	AS080	BN63-04755G	SHEET-PROTECTION COVER;42PC450,PE,T0.05,	0	SNA
...3		BN63-13250B	COVER-STAND NECK;JU7500,PC+ABS,V-1,BLACK	1	SNA
...3		BN63-13253B	COVER-STAND NECK;JU6700_40,PC+ABS,V-1,BK	1	SNA
...4		0103-005041	RESIN PC ABS;FR3200TV,901408,BK0008,1.2m	17	SNA
...4		BN68-00513D	LABEL-RESIN;resin,-,ART,-,W10,L25,-,-,-,	1	SNA
...3		BN68-05603A	LABEL-E PASS;ART PAPER 90G,W/W	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	BN61-09494D	HOLDER-BOLT;BH+,SWRCH18A,L14,M4,B TYPE	8	SA
1		BN91-13805D	ASSY LCM-AUO;CY-WJ055FLAV3V,BN95-01965D	1	SNA
...2	PANEL	BN95-01965D	PRODUCT LCD-AUO;CY-WJ055FLAV3V/H,JU7500,	1	SA
...3	SCREW	6001-003075	SCREW-MACHINE;BH,+,M3,L4,ZPC(WHT),SWRCH1	10	SA
...3	SCREW	6001-003079	SCREW-MACHINE;CH,+,M3,L6,ZPC(BLK),SWRCH1	5	SA
...3	AS080	BN63-07229A	SHEET-PROTECTION COVER;rose70",PET,T0.05	1	SNA
...3		BN68-05722A	LABEL-E PASS;POLYPROPYLENE,NON-COATING	1	SNA
...3		BN90-06484B	ASSY MISC-BLU;JU7500,BN95-01965	1	SNA
...4		BN61-11745A	DIFFUSER PLATE;15Y_J7.5K 55INCH_DIFFUSER	1	SNA
...4		BN63-13433A	OPTICAL SHEET-DBEF;15Y JU7.5K 55inch DLF	1	SNA
...4		BN63-13440A	OPTICAL SHEET-PRISM;15Y 7.5K 55inch PTM3	1	SNA
...4		BN63-13489A	OPTICAL SHEET-REFLECTOR;15Y JU7.5K 55inc	1	SNA
...4		BN96-35560A	ASSY CHASSIS REAR P;Y15 LED 55",EGI-SECC	1	SNA
....5		0203-006897	TAPE-DOUBLE FACE;SI,T1,W10,L50,WHT	1	SNA
....5	SCREW	6001-003075	SCREW-MACHINE;BH,+,M3,L4,ZPC(WHT),SWRCH1	1	SA
....5		BN02-00040C	TAPE DOUBLE FACE;F-LED ALL,PET,T0.3,W3,L	6	SNA
....5		BN02-00102B	TAPE-FILAMENT;#8917,0.15,25,50,WHITE	1	SNA
....5		BN02-00173B	TAPE PET;Y13 SNB F8K,PET,T0.05,W15,L40,B	1	SNA

Level	Loc.	Part Code	Description & Specification	Qty.	SA/SNA
....5		BN02-00173C	TAPE-OPP;PET,0.05,40,BLK	0	SNA
....5		BN02-00383A	TAPE THERMAL;Y15 JU8K,PET,T0.5,W60,L60	2	SNA
....5		BN61-11508A	SUPPORT-PLATE;Y15 LED,PC,V-2,CLEAR,OD-19	14	SNA
....5		BN61-11811A	FRAME-CHASSIS REAR TOP;Y15 7.5K AUO 55",	1	SNA
....5		BN61-11812A	FRAME-CHASSIS REAR BOTTOM;Y15 7.5K AUO 5	1	SNA
....5		BN61-11813A	FRAME-CHASSIS REAR LEFT RIGHT;Y15 7.5K A	2	SNA
....5		BN61-12566A	HOLDER-SOURCE PCB;Y15 7.5K 55" AUO,ABS,W	8	SNA
....5		BN62-00690B	INSULATOR-SMPS;JU7500,PC,BLACK,L340,W255	1	SNA
....5		BN63-14962A	GASKET-EMI;GASKET,FABRIC,T8,W15,L5,BLACK	8	SNA
....5		BN63-14967A	GASKET-EMI;GASKET,FABRIC,T8,W23,L25,BLAC	5	SNA
....5	CC02	BN64-02993A	CHASSIS-REAR;Y15 7.5K AUO CELL 55",EGI-S	1	SNA
....6		BN01-00244A	STEEL;EGI-SECC,0.8mm,1305mm,SECC,AG	6500	SNA
....6		BN61-10207A	HOLDER-WALL RIVET;Y14 F-LED 32",SWRCH10A	4	SNA
....5		BN67-00338D	SUPPORT-SOURCE PCB;SILICON,0	2	SNA
....5	T0527	BN68-00513A	LABEL-E PASS;ALL MODEL,WW,YUPO,W50,L15,W	1	SNA
....5		BN74-00053J	TAPE-PAPER;PAPER,3M2307,T0.14,W25,ROLL,W	0	SNA
....5		BN96-34718A	ASSY PCB P-LED INTERFACE BOARD;55JU7000,	1	SNA
...4		BN96-35562A	ASSY FRAME P-MIDDLE TOP;Y15 LED 55",PC+G	1	SNA
....5		BN61-11805A	FRAME-MIDDLE TOP;Y15 7.5K AUO CELL 55",P	1	SNA
...4		BN96-35563A	ASSY FRAME P-MIDDLE BOTTOM;Y15 LED 55",P	1	SNA
....5		BN60-00735U	SPACER-PET;Y14 VNB 48,PET,L590,CLEAR,T0.	2	SNA
....5		BN60-00816W	SPACER-SILICONE;Y15_LED,SILICONE,L600,GR	2	SNA
....5		BN60-01062C	SPACER-SILICONE;Y16 LED,SI,L29,GRAY,T1.5	4	SNA
....5		BN61-11806A	FRAME-MIDDLE BOTTOM;Y15 7.5K AUO CELL 55	1	SNA
...4		BN96-35564A	ASSY FRAME P-MIDDLE LEFT RIGHT;Y15 LED 5	2	SNA
....5		BN60-00816X	SPACER-SILICONE;Y15_LED,SILICONE,L680,GR	2	SNA
....5		BN61-11807A	FRAME-MIDDLE LEFT RIGHT;Y15 7.5K AUO CEL	2	SNA
...4		BN96-39205A	ASSY LED BAR P;55inch AUO UHD LED Bar Le	6	SNA
...4		BN96-39206A	ASSY LED BAR P;55inch AUO UHD LED Bar Ri	6	SNA
..3	FL06	BN96-34970A	FFC CABLE;UHD,Straight,L57,96P	2	SNA
..3	TC01A	BN96-35557A	ASSY CHASSIS FRONT P;Y15 LED 55",PC+ABS+	1	SA
...4		0201-002972	ADHESIVE-STRL;JS9000,YELLOW,HF-8000R	1	SNA
...4		0203-001598	TAPE-FILAMENT;#8915,0.15,12,55000,CLR	0	SNA
...4		BN60-01319B	SPACER-CONDUCTIVE;CONDUCTIVE FABRIC,L17,	3	SNA
...4		BN60-01327A	SPACER-FOAM;Y15_LED,PE FOAM,L1215,GRAY,T	1	SNA
...4		BN60-01328A	SPACER-FOAM;Y15_LED,PE FOAM,L680,GRAY,T1	2	SNA
...4		BN60-01333A	SPACER-FOAM;Y15_LED,PE FOAM,L1215,GRAY,T	1	SNA
...4		BN61-03460C	TAPE-DOUBLE FACE;PET,T0.2,W5,ROLL,C053	0	SNA
...4	CCM1	BN63-02183B	SHEET-PROTECTION COVER;Rhcm,PE,T0.04,W15	4	SNA
...4		BN63-07229E	SHEET-PROTECTION COVER;UC6620/6630 46",P	8	SNA

Level	Loc.	Part Code	Description & Specification	Qty.	SA/SNA
...4	AC157	BN64-02992A	CHASSIS-FRONT;JU7500_55 AUO,PC+ABS+MF15%	1	SNA
....5		BN01-00266A	FILM HOT STAMPING-CONDUCTIVE;PET,T0.025,	2	SNA
....5		BN01-00266B	FILM HOT STAMPING-CONDUCTIVE;PET,T0.025,	2	SNA
...4		BN96-35620B	ASSY COVER P-DECORATION USB;JU7500, 55IN	1	SNA
....5		BN63-07229E	SHEET-PROTECTION COVER;UC6620/6630 46",P	1	SNA
....5	FD01	BN64-02906D	COVER-DECORATION;7.5K 55",ABS+PC+GF15%,-	1	SNA
....6		0103-010567	RESIN PC ABS;HM-1159/G33165,Dark Titan,B	91	SNA
....5		BN64-03023A	BADGE-INLET;JU7500,Ni,T0.09,W30,L30,SILV	1	SNA
...4	T0382	BP61-00495C	TAPE PET;ACRYL,PJT,ACRYL FOAM,T0.25,W30,	0	SNA
...3		BN96-35623A	ASSY COVER P-SOURCE PCB RIGHT;JU7500,EGI	1	SNA
...4		BN62-00721A	INSULATOR-SOURCE PCB RIGHT;Y15 U7.5K,PC,	1	SNA
...4		BN63-13620A	COVER-SOURCE PCB RIGHT;Y15 7.5K AUO 55",	1	SNA
...3		BN96-35624A	ASSY COVER P-SOURCE PCB LEFT;JU7500,EGI-	1	SNA
...4		BN02-00352C	TAPE-OPP;PET,T0.05,W25,L50M,BLK,ULNO.E16	1	SNA
...4		BN62-00722A	INSULATOR-SOURCE PCB LEFT;Y15 U7.5K,PC,B	1	SNA
...4		BN63-13619A	COVER-SOURCE PCB LEFT;Y15 7.5K AUO 55",E	1	SNA
...3		BN96-37980A	ASSY OPEN CELL;T550QVR01.1,16:9,55inch U	1	SA
...4		BN81-09465A	A/S-ADHESIVE;CP1820GN,47.COF21.007,A.C.F	1	SNA
...4		BN81-09466A	A/S-ADHESIVE;AC-9865Y-35,47.23T01.001,A.	1	SNA
...4		BN81-12006A	A/S-IC DRIVER GATE;T550QVR01.0,46.G0432.	1	SNA
...4		BN81-12011A	A/S-POLARIZER TFT;T550QVR01.0,66.T4U73.C	1	SNA
...4		BN81-12012A	A/S-POLARIZER CF;T550QVR01.0,66.C4U75.C0	1	SNA
...4		BN81-12373A	A/S-IC DRIVER SOURCE;T550QVR01.1,46.S096	1	SNA
...4		BN81-12374A	A/S-ASSY PCB SOURCE LEFT;T550QVR01.1,55.	1	SNA
...4		BN81-12375A	A/S-ASSY PCB SOURCE LEFT;T550QVR01.1,55.	1	SNA
...4		BN81-12376A	A/S-ASSY PCB SOURCE RIGHT;T550QVR01.1,55	1	SNA
...4		BN81-12377A	A/S-ASSY PCB SOURCE RIGHT;T550QVR01.1,55	1	SNA
...3	TCON	BN96-39109A	ASSY T CON P;T550QVR01.1,T550QVR01.1,10,	1	SA
1		BN91-14210U	ASSY SHIELD;JU7000	1	SNA
.2	SCREW	6001-003081	SCREW-MACHINE;PWH,+,M3,L5,ZPC(WHT),SWRCH	9	SA
.2		BN02-00102B	TAPE-FILAMENT;#8917,0.15,25,50,WHITE	0	SNA
.2	M-F	BN39-01990C	LEAD CONNECTOR-SUB ASSY;JU7K,UL21016,9,3	1	SA
.2	EC13	BN39-02003B	LEAD CONNECTOR-BLU;BLU Harness,UL21016,1	1	SA
.2	16P325	BN39-02017C	LEAD CONNECTOR-SUB ASSY;FLAT CONNECTOR A	1	SA
.2	EC13	BN39-02020B	LEAD CONNECTOR-DIMMING;FLAT CONNECTOR AS	1	SA
.2	P001A	BN44-00811A	DC VSS-PD BOARD;L55S7_FSM,AC/DC,288W,100	1	SA
.2	WIFI	BN59-01194A	NETWORK-WLAN CLIENT;WCH730B,58.0,31.45,8	1	SA
.2	HDP01	BN61-12049A	HOLDER-PCB;Y15_JU7500,ABS,BK0007,HB,CURV	1	SNA
.2		BN96-34998A	ASSY SPEAKER P-FRONT;6ohm,40W	1	SA
.2	JOG	BN96-35345B	ASSY BOARD P-FUNCTION JOG;JU7500,CT15SE8	1	SA

Level	Loc.	Part Code	Description & Specification	Qty.	SA/SNA
..3	AH240	BN61-11584A	HOLDER-BUTTON;JU7500,ABS,BK0007,HB	1	SNA
..3	AH297	BN63-11231B	HOLDER-KNOB;HU7000,ABS,BLACK,HB	1	SNA
..3	FK04	BN64-02406B	BUTTON-FUNCTION;HU7000,ABS,HB,BLK,HB	1	SNA
...4		0103-004609	RESIN ABS;HF-0680U,K21294,BK0007,HB,High	2	SNA
.2	IR	BN96-35346B	ASSY BOARD P-IR;JU7500,CT20SE34AA,3-in-1	1	SA
..3	FW04	BN63-13356A	WINDOW-REMOCON;JU7500,PC,BLACK	1	SNA
...4		0103-010379	RESIN PC;SC-1220R/LD0204,BLACK,BK0115,V-	2	SNA
.2	FL06	BN96-36273B	FFC CABLE;UN55JU7000,Fold,L350,51P	1	SA
1	M0017	BN91-17170A	ASSY CHASSIS;JU7500 55",AUO SUHD Panel	1	SNA
.2	M0014	BN94-10697A	ASSY PCB MAIN;JU7500 55",AUO SUHD Panel	1	SA
..3		BN61-11931A	COVER-TERMINAL SIDE;HIPS,HIPS,BLACK,HB,B	1	SNA
...4		0103-004628	RESIN HIPS;HF-1690H,K2901,BK0020,1.5mm H	15	SNA
..3	AH020	BN62-00723B	HEAT SINK-PS;Y15 UHD 7K/7.5K,A1050,W156.	1	SNA
..3		BN97-09483A	ASSY DRM-KEY;JU7000,7500,HDCP, MAC, CI+	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		BN97-10231A	ASSY SMD;JU7K,C Ver	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	DR01A	0402-001614	DIODE-RECTIFIER;S1G,400V,1A,DO-214AC,TP	2	SA
...4		0404-001404	DIODE-SCHOTTKY;BAT721C,40V,200mA,SOT-23,	1	SA
...4		0404-001881	DIODE-SCHOTTKY;SS3040-HE,40V,3000mA,SOD-	4	SA
...4		0406-001200	DIODE-TVS;RClamp0504F,6V,1MAV,TP	1	SA
...4		0406-001290	DIODE-TVS;3.0SMCJ20A,22.2V,24.5V,5MAV,30	2	SNA
...4		0406-001573	DIODE-TVS;AOZ8806DI-05,6V,1MAV,0.85VPA,T	1	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	4	SA
...4		0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	4	SC
...4		0504-000126	TR-DIGITAL;KSR1101,NPN,200mW,4.7K/4.7K,S	1	SA
...4		0505-001844	FET-SILICON;SI4435DDY-T1-GE3,P,30V,-11.4	1	SA
...4		0505-002598	FET-SILICON;AP2317GN,P,20V,-4.2A,0.052oh	1	SA
...4		0505-002854	FET-SILICON;AO5404E,N,20V,0.5A,0.55ohm,0	1	SNA
...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,	1	SA
...4		0505-003507	FET-SILICON;AO3424,N,30V,3.8A,1.4W,SOT-2	4	SA
...4		0801-002780	IC-CMOS LOGIC;74LVC1G17,SCHMITT-TRIGGER	1	SA
...4		0801-003330	IC-CMOS LOGIC;Octal buffer,DQFN,20P,4.5x	1	SA
...4		1001-001860	IC-ANALOG SWITCH;NX5L2750CGU,QFN,10P,1.4	1	SNA
...4		1006-001576	IC-DRIVER/RECEIVER;MAX3221ECPWR,TSSOP,16	1	SA

Level	Loc.	Part Code	Description & Specification	Qty.	SA/SNA
...4		1103-001564	IC-EEPROM;S-24C512CI-J800,512Kbit,64Kx8,	1	SA
...4		1105-002528	IC-DDR3 SDRAM;K4B4G1646D-BCMA,DDR3 1866,	4	SA
...4		1105-002534	IC-DDR3 SDRAM;K4B2G1646Q-BCMA,DDR3 SDRAM	2	SA
...4		1201-000166	IC-OP AMP;LM358,SOP,ST,8P,150MIL,DUAL,10	1	SA
...4		1201-003891	IC-AUDIO AMP;NTP7415,MLF,48P,7x7mm,DUAL,	2	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,14P,3	1	SA
...4		1203-007238	IC-PWM CONTROLLER;TPS54427,DDA,8P,4.8x3.	2	SNA
...4		1203-007694	IC-DC/DC CONVERTER;SN1106041DDAR,DDA,8Z3	1	SA
...4		1203-007697	IC-DC/DC CONVERTER;LNBH26SPQR,QFN,24Z30,	1	SA
...4		1203-008023	IC-POS.LADJUST REG.;AOZ2003PI,SO-8,8P,4.	2	SA
...4		1203-008082	IC-DC/DC CONVERTER;TPS54627DDAR,SOP 8P,8	1	SA
...4		1203-008104	IC-POS.FIXED REG.;S-13A1D18-E800,HSOP,8	2	SNA
...4		1203-008183	IC-DC/DC CONVERTER;AOZ3015PI-1,EPAD SO-8	2	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,HSOP8,8P,4,8	1	SA
...4		1204-003660	IC-DECODER;SDP1406,PBGA,1053P,31*31mm,PL	1	SA
...4		1205-004447	IC-SWITCH;TPS2051CDBVR,SOT23-5,5P,3x1.65	1	SA
...4		1205-004610	IC-SWITCH;TPS2421-2DDA,SO-8,8Z30,5X6X1.7	1	SA
...4		1205-004983	IC-SWITCH;BD82032FVJ,TSSOP-B8J,8P,3.0x4.	1	SA
...4		1205-005325	IC-REPEATER;PS8409QFN48GTR2-A1,QFN,48P,6	1	SNA
...4		1405-001271	VARISTOR;35V,20Vdc,5A,1.0x0.5mm,TP,100V,	15	SA
...4		2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	2	SA
...4		2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	8	SNA
...4		2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	2	SA
...4		2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SNA
...4		2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	81	SNA
...4		2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	13	SNA
...4		2007-000174	R-CHIP;47ohm,5%,1/16W,TP,1005	52	SNA
...4		2007-000583	R-CHIP;22Kohm,1%,1/10W,TP,1608	2	SA
...4		2007-000683	R-CHIP;3.3Kohm,1%,1/10W,TP,1608	2	SA
...4		2007-000695	R-CHIP;3.3ohm,5%,1/10W,TP,1608	8	SNA
...4		2007-000772	R-CHIP;33Kohm,1%,1/10W,TP,1608	2	SA
...4		2007-000932	R-CHIP;470ohm,5%,1/16W,TP,1005	3	SNA
...4		2007-000999	R-CHIP;510ohm,1%,1/10W,TP,1608	1	SA
...4		2007-001125	R-CHIP;68Kohm,1%,1/10W,TP,1608	4	SA
...4		2007-001139	R-CHIP;7.5Kohm,1%,1/10W,TP,1608	1	SA
...4		2007-001168	R-CHIP;75ohm,5%,1/4W,TP,3216	2	SA

Level	Loc.	Part Code	Description & Specification	Qty.	SA/SNA
...4		2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	25	SNA
...4		2007-001313	R-CHIP;330ohm,5%,1/16W,TP,1005	2	SNA
...4		2007-002900	R-CHIP;11Kohm,1%,1/10W,TP,1608	1	SNA
...4		2007-007107	R-CHIP;100Kohm,1%,1/16W,TP,1005	12	SNA
...4		2007-007132	R-CHIP;15Kohm,1%,1/16W,TP,1005	3	SA
...4		2007-007134	R-CHIP;39Kohm,1%,1/16W,TP,1005	1	SA
...4		2007-007136	R-CHIP;4.7Kohm,1%,1/16W,TP,1005	44	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	1	SNA
...4		2007-007139	R-CHIP;47Kohm,1%,1/16W,TP,1005,T0.35	17	SA
...4		2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	24	SNA
...4		2007-007156	R-CHIP;1ohm,5%,1/16W,TP,1005	1	SNA
...4		2007-007306	R-CHIP;100ohm,1%,1/16W,TP,1005	19	SNA
...4		2007-007310	R-CHIP;8.2Kohm,1%,1/16W,TP,1005	3	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	3	SA
...4		2007-007313	R-CHIP;6.8Kohm,1%,1/16W,TP,1005	3	SA
...4		2007-007314	R-CHIP;5.6Kohm,1%,1/16W,TP,1005	3	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	24	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	9	SNA
...4		2007-007528	R-CHIP;1.5Kohm,1%,1/16W,TP,1005	2	SA
...4		2007-007538	R-CHIP;56Kohm,1%,1/16W,TP,1005	1	SA
...4		2007-007671	R-CHIP;11Kohm,1%,1/16W,TP,1005	1	SA
...4		2007-007733	R-CHIP;51ohm,1%,1/10W,TP,1608	1	SA
...4		2007-007766	R-CHIP;2Kohm,1%,1/16W,TP,1005	28	SNA
...4		2007-007767	R-CHIP;200ohm,1%,1/16W,TP,1005	6	SA
...4		2007-007861	R-CHIP;62Kohm,1%,1/16W,TP,1005	2	SA
...4		2007-007942	R-CHIP;1Mohm,1%,1/16W,TP,1005	1	SNA
...4		2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	11	SNA
...4		2007-008137	R-CHIP;24Kohm,1%,1/16W,TP,1005	3	SNA
...4		2007-008213	R-CHIP;4.3Kohm,1%,1/16W,TP,1005	2	SNA
...4		2007-008298	R-CHIP;49.9ohm,1%,1/16W,TP,1005	4	SA
...4		2007-008485	R-CHIP;22ohm,1%,1/16W,TP,1005	1	SC
...4		2007-008649	R-CHIP;220ohm,1%,1/16W,TP,1005	1	SNA
...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	5	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

Level	Loc.	Part Code	Description & Specification	Qty.	SA/SNA
...4		2011-001449	R-NETWORK;22ohm,5%,1/16W,L,4P,TP,1.0x1.0	2	SA
...4		2011-001506	R-NETWORK;10Kohm,5%,1/16W,L,CHIP,4P,TP,1	3	SNA
...4		2011-001587	R-NETWORK;100ohm,5%,1/16W,L,CHIP,4P,TP,1	4	SNA
...4	AD480	2203-000233	C-CER,CHIP;0.1nF,5%,50V,C0G,TP,1005	11	SA
...4	AD480	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,TP,1005	7	SA
...4	AD480	2203-000278	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,TP,1005	3	SA
...4	AD480	2203-000330	C-CER,CHIP;0.012nF,5%,50V,C0G,TP,1005	4	SA
...4	AD480	2203-000359	C-CER,CHIP;0.15nF,5%,50V,C0G,TP,1005,0.5	1	SNA
...4	AD480	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,TP,1005	19	SA
...4	AD480	2203-000489	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1005	4	SA
...4	AD480	2203-000585	C-CER,CHIP;0.22nF,10%,50V,X7R,TP,1005	3	SA
...4	AD480	2203-000627	C-CER,CHIP;0.022nF,5%,50V,C0G,TP,1005	1	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	8	SA
...4	AD480	2203-000812	C-CER,CHIP;0.033nF,5%,50V,C0G,TP,1005	8	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	1	SA
...4	AD480	2203-000995	C-CER,CHIP;0.047nF,5%,50V,C0G,TP,1005	2	SA
...4	AD480	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,TP,1005	5	SNA
...4	AD480	2203-002711	C-CER,CHIP;100nF,10%,25V,X7R,TP,1608	24	SA
...4	AD480	2203-003019	C-CER,CHIP;8.2nF,10%,50V,X7R,TP,1005	3	SNA
...4	AD480	2203-005083	C-CER,CHIP;220nF,10%,50V,X7R,TP,1608,0.8	8	SA
...4	AD480	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608	5	SNA
...4	AD480	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,TP,1005	96	SA
...4	AD480	2203-006126	C-CER,CHIP;47nF,10%,16V,X7R,TP,1005	1	SNA
...4	AD480	2203-006158	C-CER,CHIP;100nF,10%,16V,X7R,TP,1005,0.5	228	SNA
...4	AD480	2203-006257	C-CER,CHIP;470nF,10%,6.3V,X5R,TP,1005,0.	3	SNA
...4	AD480	2203-006324	C-CER,CHIP;2200nF,10%,10V,X5R,TP,1608	2	SA
...4	AD480	2203-006348	C-CER,CHIP;1000nF,10%,25V,X5R,TP,1608,0.	8	SA
...4	AD480	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,TP,2012	18	SC
...4	AD480	2203-006460	C-CER,CHIP;2200nF,10%,16V,X5R,TP,1608	1	SA
...4	AD480	2203-006474	C-CER,CHIP;22000nF,20%,6.3V,X5R,TP,2012	8	SA
...4	AD480	2203-006562	C-CER,CHIP;1000nF,10%,10V,X5R,TP,1005	47	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	1	SA
...4	AD480	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,TP,1005	1	SNA
...4	AD480	2203-007240	C-CER,CHIP;22000nF,20%,6.3V,X5R,TP,1608(	30	SA
...4	AD480	2203-007269	C-CER,CHIP;22000nF,20%,10V,X5R,TP,2012(2	23	SA
...4	AD480	2203-007270	C-CER,CHIP;10000nF,10%,10V,X5R,TP,1608,0	84	SNA
...4	AD480	2203-007306	C-CER,CHIP;10000nF,10%,25V,X5R,TP,2012,1	28	SNA

Level	Loc.	Part Code	Description & Specification	Qty.	SA/SNA
...4	AD480	2203-007535	C-CER,CHIP;4.7nF,10%,50V,X7R,TP,1005	1	SA
...4	AD480	2203-007544	C-CER,CHIP;100nF,10%,50V,X7R,TP,1005,0.5	4	SA
...4		2402-001268	C-AL,SMD;100uF,20%,25V,WT,TP,8x6.3mm	4	SA
...4		2409-001338	C-POLYMER ,CHIP;47uF,20%,6.3V,TP,3.2x1.6	1	SA
...4		2703-000213	INDUCTOR-SMD;470nH,10%,1.35Ohm,35mA,15,M	1	SA
...4		2703-000408	INDUCTOR-SMD;3.3uH,20%,0.28Ohm,500mA,10,	2	SA
...4		2703-001938	INDUCTOR-SMD;56nH,5%,1005,1.5Ohm,200mA,1	1	SA
...4		2703-003713	INDUCTOR-SMD;1.5uH,20%,7366,0.015ohm,700	4	SA
...4		2703-004724	INDUCTOR-SMD;8.2uH,20%,4T,0.072Ohm,2300m	8	SA
...4		2703-004868	INDUCTOR-SMD;6.8uH,20%,4.0T,0.043Ohm,250	2	SA
...4		2703-005192	INDUCTOR-SMD;4.7uH,20%,4.5,0.036Ohm,4200	2	SA
...4		2703-005193	INDUCTOR-SMD;2.2uH,20%,4.5,0.024Ohm,5100	1	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		3301-001364	BEAD-SMD;1000ohm,1608,TP,1085ohm/108MHz,	8	SNA
...4		3301-002039	BEAD-SMD;26ohm,1608,TP	61	SA
...4		3601-001374	FUSE-SURFACE MOUNT;32V,5A,FAST-ACTING,PL	2	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		3710-004015	CONNECTOR-SOCKET;33P,1R,0.5mm,SMD-A,AU,B	1	SA
...4	EH01	3711-008422	HEADER-BOARD TO CABLE;BOX,9P,1R,1.25mm,S	1	SA
...4	EH01	3711-008454	HEADER-BOARD TO CABLE;BOX,22P,2R,2mm,ANG	1	SA
...4	EH01	3711-008659	HEADER-BOARD TO CABLE;BOX,16P,2R,2mm,ANG	1	SA
...4	EH01	3711-008690	HEADER-BOARD TO CABLE;BOX,8P,1R,2.5mm,AN	1	SA
...4		3722-003199	JACK-MODULAR;8P/8C,Y,ANGLE,NONE,AU,1PORT	1	SA
...4		3722-003657	JACK-PHONE;1P/7C,P-BRONZE,BLK,ANGLE,3.6P	2	SA
...4		3722-003665	JACK-PHONE;1P/7C,AU/NI,YEL,ANGLE,3.6PI,1	1	SA
...4		3722-003666	JACK-PHONE;1P/7C,AU/NI,GRN,ANGLE,3.6PI,1	1	SA
...4	JACK	3722-003837	JACK-USB;9P/1C,AU+NI+SN,BLU,SMD-A,A,3.0,	1	SA
...4		6302-001376	GASKET-SMD;,,CONDUCTIVE FABRIC,T14,W43,L	6	SNA
...4	ET01	BN40-00309A	TUNER-DTV AIR CABLE SAT;DNNTT243H5A,DVB-T	1	SA
...4		BN41-02356C	PCB-MAIN;JU7000,JU7500,FR-4,4,C,T1.2,192	1	SNA
...4		BN97-09476A	ASSY MICOM-FLASH;T-HKMDEUC,EUROPE	1	SNA
....5		1107-002357	IC-EMMC;H26M41103HPR,8Gbyte,BGA,153P,11.	1	SA
...4		BN97-09479A	ASSY MICOM-SUB;JU7K, 7.5K,T-HKMDEUS,EURO	1	SNA
....5		1107-002226	IC-NOR FLASH;W25Q40CLSSIP,4Mbit,SOIC,8P,	1	SA
..3	M0131	MD63-00103A	GASKET-TAPE;GRANDSLAM,Conductive Fabric,	3	SNA
1		BN92-17062F	ASSY BOX;JU7000	1	SNA
.2		BH68-00662A	LABEL BOX;ALL,ART,90g,W60,L110,WHT,NO SI	1	SNA
.2		BN69-12530J	BOX UNIT;55JU7500-TS,CB,DW3,A1,L1327,W19	1	SNA

Level	Loc.	Part Code	Description & Specification	Qty.	SA/SNA
1	ACCE1	BN92-17117J	ASSY ACCESSORY;JU7000	1	SNA
.2		BN68-07519A	LABEL-ENERGY;ALL JORDAN,WW,PP,T0.135,W60	1	SNA
.2	FBOX	BN96-35817G	ASSY BOARD P-ONE CONNECT MINI;one connec	1	SA
..3		BN39-02015A	ONECONNECTMINI CABLE;OCM,33P,L2000,UL,BL	1	SA
..3	PBA	BN96-35817B	ASSY BOARD P-ONE CONNECT MINI;one connec	1	SA
.2	ACCE4	BN96-36100A	ASSY ACCESSORY-MANUAL;JU 7000	1	SNA
..3		6902-001964	BAG PE;LDPE,BIOBASED,T0.03,W200,L300,TRP	1	SNA
..3		BN68-00514K	LEAFLET-WARRANTY;comm,Samsung,15Lang,W.E	1	SNA
..3		BN68-04972E	LEAFLET-REGULATORY GUIDE;ALL,SAMSUNG,W/W	1	SNA
..3		BN68-07074C	MANUAL USERS;JS7500,XN,ZF,W/P,1	1	SNA
..3		BN68-07351B	LEAFLET-FICHE;ALL,W/P*,4	1	SNA
..3		BN68-07429D	LEAFLET-REMOTE MANAGEMENT HELPER GUIDE;C	1	SNA
.2	ACCE2	BN96-36103S	ASSY ACCESSORY-CABLE;JU 7000	1	SNA
..3		3709-001791	CONNECTOR-CARD SLOT;64P,0.5mm,SMD-A,AU,P	1	SA
..3	T0268	3903-000982	CBF-POWER CORD;DT,EU/Rus/Cambodia,LP-21L	1	SA
..3		4301-000101	BATTERY-ALKALINE;1.5V,1650mAh,LR6,14.5x5	2	SNA
..3		4301-000121	BATTERY-MN;1.5V,R03,10.5x44.5mm,7.5g,AAA	2	SNA
..3		6902-001963	BAG PE;LDPE,BIOBASED,T0.05,W275,L300,TRP	1	SNA
..3	EC08	BN39-01154C	GENDER CABLE;Chelsea Slim, STEREO Plug t	1	SA
..3	EC07	BN39-01154H	GENDER CABLE;UE40B7000WWXXC,3P,L150,UL28	1	SA
..3	REMO2	BN59-01175N	REMOCON-TV;2013 TV,Samsung,44,3.0,TM1240	1	SC
..3	REMO3	BN59-01221B	REMOCON-SMART CONTROL;2014 TV,Samsung,18	1	SA
..3	T0527	BN68-00513A	LABEL-E PASS;ALL MODEL,WW,YUPO,W50,L15,W	1	SNA
..3	EH03A	BN96-18153A	ASSY HOLDER P-RING;11 LED-TV	1	SNA
..4		6902-001404	BAG PE;LDPE,T0.05,W80,L100,TRP,N	1	SNA
..4	AH365	BN61-07295A	HOLDER-WALL RING;40UD5500,ABS,BK0007,HB	4	SC
1		BN92-17360T	ASSY LABEL;JU7K	1	SNA
.2		0203-001598	TAPE-FILAMENT;#8915,0.15,12,55000,CLR	0	SNA
.2		BN68-06708G	LABEL-RATING;Monitor,WW,PP,T0.161,W93,L7	1	SNA
.2		BN68-07137B	LEAFLET-QUICK SETUP GUIDE;UJU7500,EUROPE	1	SNA
1		BN92-17372C	ASSY P/MATERIAL;JU7K	1	SNA
.2		6902-001953	BAG ROLL;HDPE/PE FOAM,HDPE T0.018mm,T0.2	2	SNA
.2		6902-001955	BAG ROLL;HDPE/PE FOAM,HDPE T0.018mm,T0.2	2	SNA
.2		6902-002233	BAG AIR;LDPE,-,T0.2,W900,L1850,TRP,-,-,-	1	SNA
.2		6922-000003	BAND;PP,T0.8,W18,L1650M,TRP,DA69-90145A	1	SNA
.2		BN02-00319B	TAPE-OPP;OPP,T0.05,W75,L800m,CLEAR	3	SNA
.2		BN68-02422B	LABEL-WARNING;ALL,ART,T0.05,W240,L100,Wh	1	SNA
.2		BN69-03982N	PACKING ANGLE;EDGE,PAPER	1	SNA
.2		BN69-05418N	WRAP;T0.017,750,2000000,2000000,750	29	SNA
.2		BN69-06640B	PAD-SHEET;PAD,CB,SW4,,W910,L1290,,,,,YEL	1	SNA

Level	Loc.	Part Code	Description & Specification	Qty.	SA/SNA
.2		BN69-06640E	PAD-PACKING;TRUCK PAD,CB,-,,W410,L2500,,	1	SNA
.2		BN69-11033Y	PALLET-WOODEN;55" HU7200,WOOD,-,W1050,L1	1	SNA
.2		BN69-11344A	CUSHION-SET;55JU7500,EPS,16.7g/l,WHT,0	1	SNA
.2		BN69-11386A	CUSHION-SET FRONT;55JU7500,EPS,16.7g/l,W	1	SNA
..3		0103-005099	RESIN EPS;BASF303,Natural,Natural	300	SNA
..3		BN68-06249A	LABEL-WARNING;ALL,ART,90g,W90,L250,CURVE	1	SNA
.2		BN69-12538D	PAD-SHEET;55JU6700/7500,CB,DW1,W1325,L19	1	SNA