



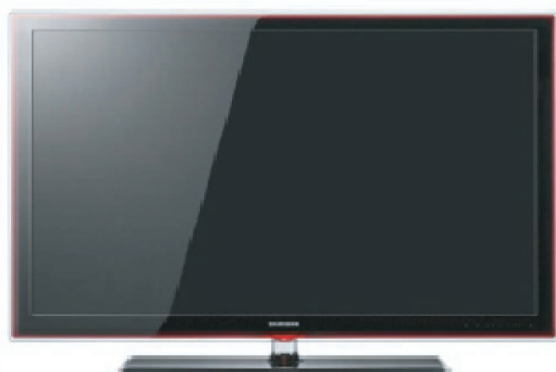
LED-TV

Chassis : N98C

Model : UN32C5000QM
UN40C5000QM
UN46C5000QM
UN32C4000PM

SERVICE Manual

TFT-LED TV



UN32C5000QM / UN40C5000QM / UN46C5000QM

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1. Precautions
2. Product specifications
3. Disassembly and Reassembly
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GSPN (Global Service Partner Network)

Area	Web Site
North America	http://service.samsungportal.com
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Europe	http://europe.samsungportal.com
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1. Precautions

1-1. Safety Precautions

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

1-1-1. Warnings

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

1-1-2. Servicing the 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 LED TV to the user, perform the following safety checks:

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

WARNING : Do not use an isolation transformer during this test.

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

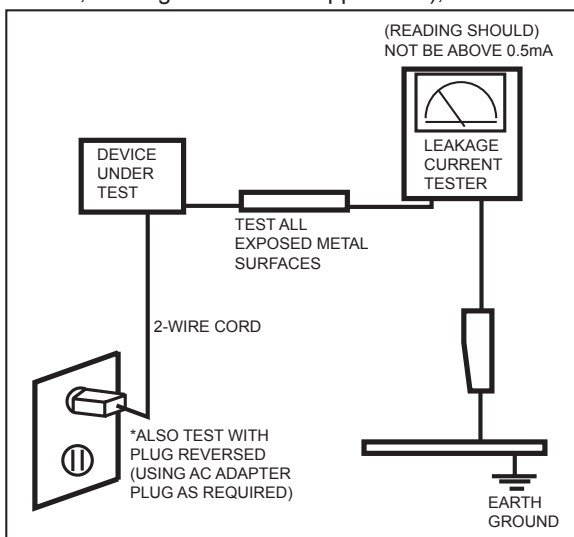


Figure 1-1. Leakage Current Test Circuit

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

1-1-4. Product Safety Notices

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

1-2. Servicing Precautions

WARNING: An electrolytic capacitor installed with the wrong polarity might explode.

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

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

1-2-1 General Servicing Precautions

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

1-3. Electrostatically Sensitive Devices (ESD) Precautions

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

1. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. To avoid a shock hazard, be sure to remove the wrist strap before applying power to the LED TV.
2. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of an electrostatic charge.
3. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESDs.
4. Use only a grounded-tip soldering iron to solder or desolder ESDs.
5. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESDs.
6. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.
7. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.
Caution: Be sure no power is applied to the chassis or circuit and observe all other safety precautions.
8. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting your foot from a carpeted floor can generate enough static electricity to damage an ESD.

1-4. Installation Precautions

1. For safety reasons, more than 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.

Model	UN32C5000QM	
Feature		
<div><div>▶ Digital-TV, RF, 4-HDMI, 1-Component, 2-A/V, 2-USB, D-SUB</div><div>▶ Brightness : 450 cd/m2</div><div>▶ Hgh Contrast Ratio : 50,000:1</div><div>▶ Response Time : 4.5ms</div></div>		
Specifications		
Item	Description	
LCD Panel	32inch HD 60Hz	
Scanning Frequency	Horizontal : 60 kHz ~ 73 kHz (Automatic) Vertical : 47 Hz ~ 63 Hz (Automatic)	
Display Colors	1.07G color	
Maximum resolution	Horizontal : 1920 Pixels Vertical : 1080 pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω , internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock rate	74.25MHz	
Active Display Horizontal/Vertical	27.50 x 15.47 inches (698.4(H) x 392.85(V) mm)	
AC power voltage & Frequency	AC 110V ~ 120V, 60 Hz	
Power Consumption	Under 110W(Under 0.3W, Stand by)	
Dimensions Set (W x D x H)	30.9 x 9.4 x 21.6 inches (785 x 240 x 550 mm)_with stand 30.9 x 1.2 x 19.3 inches (785 x 29.9 x 491 mm)_without stand	
Weight	24.25 lbs (11kg)_with stand 18.08 lbs (8.2kg)_without stand	
TV System	Tuning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	PAL-M/NTSC/PAL-N
	Sound	BTSC
Environmental Considerations	Operating Temperature : 32°F ~ 122°F (0°C ~ 50°C) Operating Humidity : 20% ~ 90%, non-condensing Storage temperature : -4°F ~ 140°F (-20°C ~ 60°C) Storage Humidity : 10% ~ 90%	
Audio Spec.	- MAX Internal Audio Output Power : Each 10W(Left/Right) - Equalizer : 5band - Output Frequency : RF : 20 Hz ~ 15.4 kHz AV/Componet/HDMI : 20 Hz ~ 20 kHz	
Note: DLNA, Dolby Digital+, Game Mode, Film Mode, Energy Saving, Anynet+		

2. Product specifications

Model	UN40C5000QM	
Feature		
<div>▶ Digital-TV, RF, 4-HDMI, 1-Component, 1-A/V, 2-USB2.0, D-SUB</div> <div>▶ Brightness : 400 cd/m2</div> <div>▶ High Contrast Ratio : 50,000:1</div> <div>▶ Response Time : 4.5 ms</div>		
Specifications		
Item	Description	
LCD Panel	40inch FHD 60Hz	
Scanning Frequency	Horizontal : 60 kHz ~ 73 kHz (Automatic) Vertical : 47 Hz ~ 63 Hz (Automatic)	
Display Colors	16.7M color	
Maximum resolution	Horizontal : 1920 Pixels Vertical : 1080 pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω , internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock rate	74.25MHz	
Active Display Horizontal/Vertical	34.87 x 22.55 inches (885.6(H) x 19.61(V) mm)	
AC power voltage & Frequency	AC 110V ~ 120V, 60 Hz	
Power Consumption	Under 130W (Under 0.3W, Stand by)	
Dimensions Set (W x D x H)	38.3 x 10.0 x 24.4 inches (972 x 255 x 621 mm)_with stand 38.3 x 1.2 x 23.5 inches (972 x 29.9 x 596 mm)_without stand	
Weight	34.61 lbs (15.7kg)_with stand 26.68 lbs (12.1kg)_without stand	
TV System	Tuning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	PAL-M/NTSC/PAL-N
	Sound	BTSC
Environmental Considerations	Operating Temperature : 32°F ~ 122°F (0°C ~ 50°C) Operating Humidity : 20% ~ 90%, non-condensing Storage temperature : -4°F ~ 140°F (-20°C ~ 60°C) Storage Humidity : 10% ~ 90%	
Audio Spec.	- MAX Internal Audio Output Power : Each 10W(Left/Right) - Equalizer : 5band - Output Frequency : RF : 20 Hz ~ 15.4 kHz AV/Componet/HDMI : 20 Hz ~ 20 kHz	
Note: DLNA, Dolby Digital+, Game Mode, Film Mode, Energy Saving, Anynet+		

Model	UN46C5000QM	
Feature		
<div><div>▶ Digital-TV, RF, 2-HDMI, 1-Component, 1-A/V, 1-USB2.0, D-SUB</div><div>▶ Brightness : 400 cd/m2</div><div>▶ High Contrast Ratio : 50,000:1</div><div>▶ Response Time : 4.5ms</div></div>		
Specifications		
Item	Description	
LCD Panel	46inch FHD 60Hz	
Scanning Frequency	Horizontal : 60 kHz ~ 73 kHz (Automatic) Vertical : 47 Hz ~ 63 Hz (Automatic)	
Display Colors	16.7M color	
Maximum resolution	Horizontal : 1920 Pixels Vertical : 1080 pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω , internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock rate	74.25HMz	
Active Display Horizontal/Vertical	40.08 x 22.55 inches (1018.08(H) x 572.67(V) mm)	
AC power voltage & Frequency	AC 110V ~ 120V, 60 Hz	
Power Consumption	Under 190W (Under 1W , Stand by)	
Dimensions Set (W x D x H)	39.3 x 10.2 x 27.0 inches (998.0 x 260.1 x 686.0 mm)_with stand 39.3 x 3.1 x 24.4 inches (998.0 x 78.4 x 620.8 mm)_without stand	
Weight	43.43 lbs (19.7kg)_with stand 34.61 lbs (15.7kg)_without stand	
TV System	Tuning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	PAL-M/NTSC/PAL-N
	Sound	BTSC
Environmental Considerations	Operating Temperature : 32°F ~ 122°F (0°C ~ 50°C) Operating Humidity : 20% ~ 90%, non-condensing Storage temperature : -4°F ~ 140°F (-20°C ~ 60°C) Storage Humidity : 10% ~ 90%	
Audio Spec.	- MAX Internal Audio Output Power : Each 10W(Left/Right) - Equalizer : 5band - Output Frequency : RF : 20 Hz ~ 15.4 kHz AV/Componet/HDMI : 20 Hz ~ 20 kHz	
Note: DLNA, Dolby Digital+, Game Mode, Film Mode, Energy Saving, Anynet+		

2. Product specifications

Model	UN32C4000PM	
Feature		
<div><div>▶ Digital-TV, RF, 2-HDMI, 1-Component, 1-A/V , 1-USB2.0, D-SUB</div><div>▶ Brightness : 300 cd/m²</div><div>▶ High Contrast Ratio : 40,000:1</div><div>▶ Response Time : 4.5ms</div></div>		
Specifications		
Item	Description	
LCD Panel	TFT-LCD panel, RGB vertical stripe, SPVA mode, normaly black, 32-Inch viewable, 0.46125(H) × 0.15375(W) mm pixel pitch	
Scanning Frequency	Horizontal : 67.4KHz (TYP) Vertical : 59.94Hz (TYP)	
Display Colors	1.07 billion colors	
Maximum resolution	Horizontal : 1366 Pixels Vertical : 768 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω , internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock rate	148.5MHz	
Active Display Horizontal/Vertical	27.49 x 15.46 inches (698.4(H) x 392.85(V) mm)	
AC power voltage & Frequency	AC 110V ~ 220V, 60 Hz	
Power Consumption	Under 150W (Under 0.1W, stand by)	
Dimensions Set (W x D x H)	31.46 x 9.45 x 22.79 inches (799 x 240 x 579 mm)_with stand 31.46 x 1.18 x 20.51 inches (799 x 29.9 x 521 mm)_without stand	
Weight	28.16 lbs (12.8kg)_with stand 21.12 lbs (9.6kg)_without stand	
TV System	Tuning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	PAL-M/NTSC/PAL-N
	Sound	BTSC
Environmental Considerations	Operating Temperature : 32°F ~ 122°F (0°C ~ 50°C) Operating Humidity : 20% ~ 90%, non-condensing Storage temperature : -4°F ~ 140°F (-20°C ~ 60°C) Storage Humidity : 5% ~ 90%	
Audio Spec.	- MAX Internal Audio Output Power : Each 10W(Left/Right) - Equalizer : 5band - Output Frequency : RF : 20 Hz ~ 15.4 kHz AV/Componet/HDMI : 20 Hz ~ 20 kHz	
Note: Trusurround HD, Game Mode, Film Mode, Energy Saving, Anynet+		

CHANNEL FREQUENCY TABLE

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

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

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

2. Product specifications

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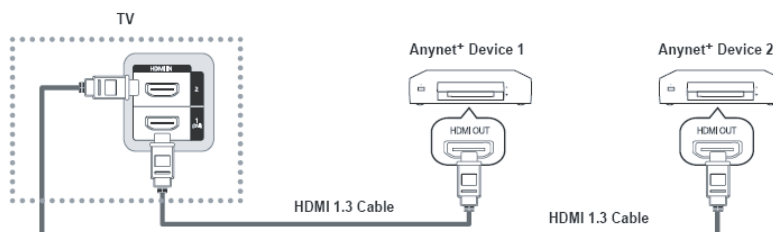
2-2. New Features explanation

■ Connecting Anynet+ Devices

Anynet+ is a function that enables you to control all connected Samsung devices that support Anynet+ with your Samsung TV's remote.

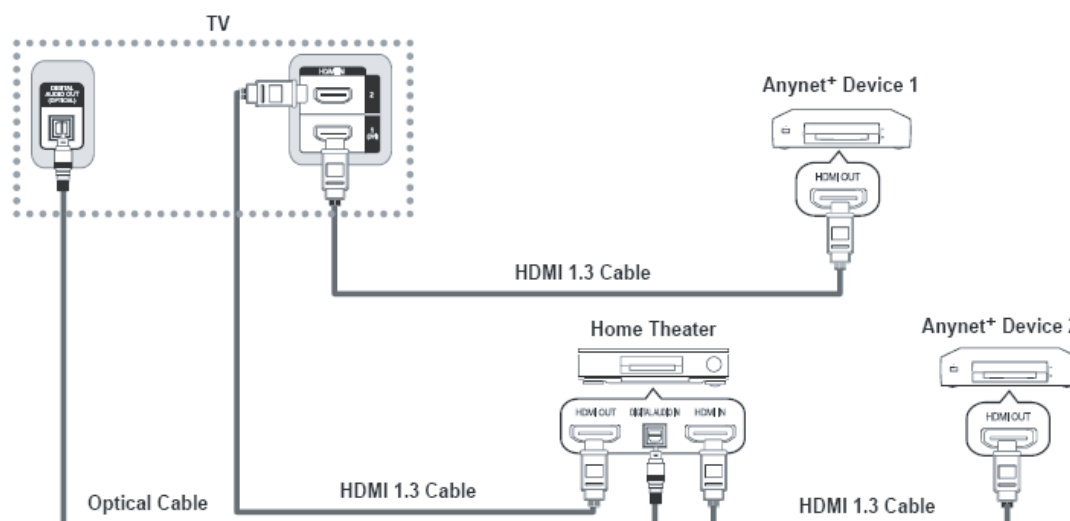
The Anynet+ system can be used only with Samsung devices that have the Anynet+ feature. To be sure your Samsung device has this feature, check if there is an Anynet+ logo on it.

To connect to a TV



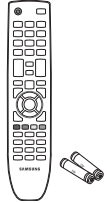
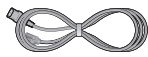
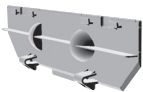
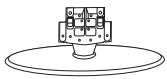
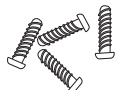
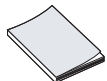

1. Connect the HDMI IN 1 (DVI), 2 jack on the TV and the HDMI OUT jack of the corresponding Anynet+ device using an HDMI cable.

To connect to Home Theater



1. Connect the HDMI IN 1 (DVI), 2 jack on the TV and the HDMI OUT jack of the corresponding Anynet+ device using an HDMI cable.
 2. Connect the HDMI IN jack of the home theater and the HDMI OUT jack of the corresponding Anynet+ device using an HDMI cable.
- Connect the Optical cable between the DIGITAL AUDIO OUT (OPTICAL) jack on your TV and the Digital Audio Input on the Home Theater.
 - When following the connection above, the Optical jack only outputs 2 channel audio. You will only hear sound from the Home Theater's Front Left and Right speakers and the subwoofer. If you want to hear 5.1 channel audio, connect the DIGITAL AUDIO OUT (OPTICAL) jack on the DVD / Satellite Box (ie Anynet Device 1 or 2) directly to the Amplifier or Home Theater, not the TV.
 - Connect only one Home Theater.
 - You can connect an Anynet+ device using the HDMI 1.3 cable. Some HDMI cables may not support Anynet+ functions.
 - Anynet+ works when the AV device supporting Anynet+ is in the Standby or On status.
 - Anynet+ supports up to 12 AV devices in total. Note that you can connect up to 3 devices of the same type.

2-3. Accessories

Product	Description	Code. No	Remark
	Remote Control & Batteries (AAA x 2)	BN59-01020A	Samsung Electronics Service center
	Power Cord	3903-000532	
	Cover-Bottom	32" BN63-06542A 40" BN63-06543A 46" BN63-06543A	
	Stand	32" BN96-12930B 40" BN96-12931B 46" BN96-12932B	
	Screw (for the stand - M4, L6)	6003-000133	
	Owner's Instructions	BN68-02737A	
	Warranty Card / Registration Card / Safety Guide Manual (Not available in all locations)		


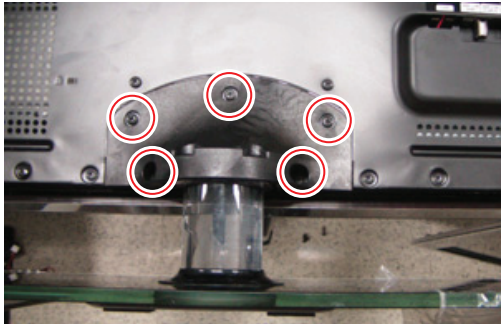

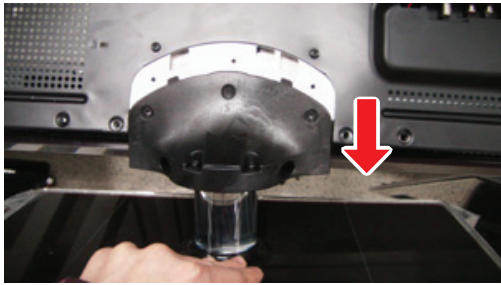
3. Disassembly and Reassembly

This section of the service manual describes the disassembly and reassembly procedures for the UN37C5000QM LCD TV.

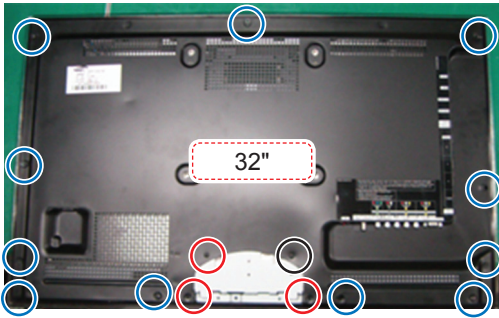




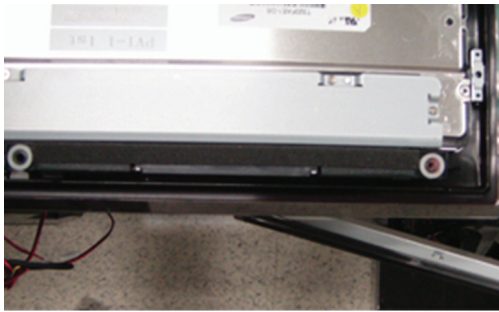
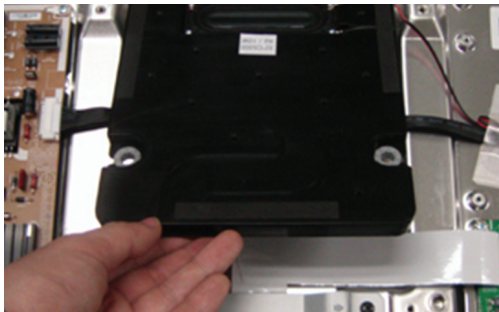
⚠ WARNING: This LED TV contains electrostatically sensitive devices. Use caution when handling these components.

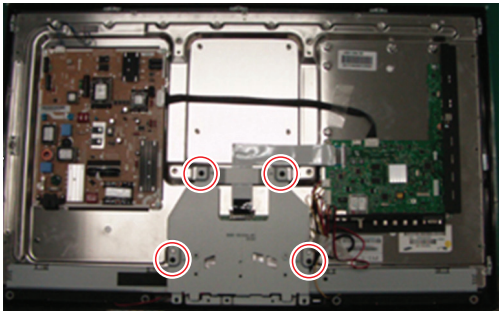

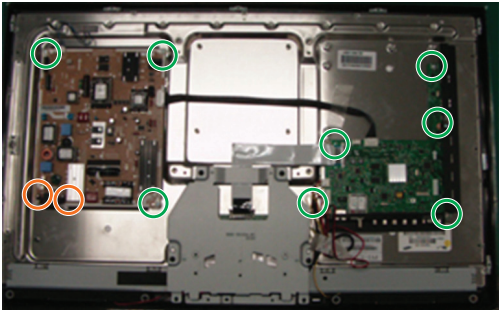


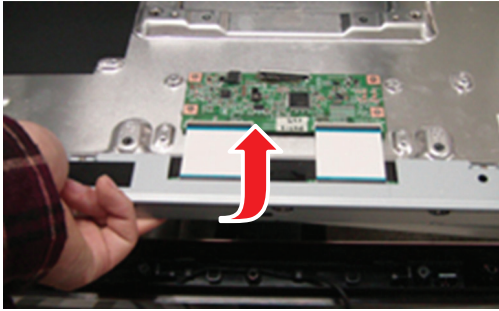
3-1. Disassembly and Reassembly

- ⚠ Cautions:**
- 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.

Description	Picture Description	Screws
1. Place TV face down on cushioned table. Remove 5 screws from the stand. Remove stand.		
		 6003-000133
		

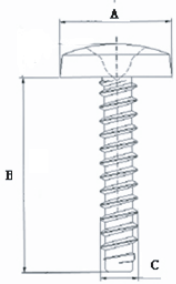
3. Disassembly and Reassembly

Description	Picture Description	Screws
2. 32" C5000 : Remove the 15 screws of rear-cover. 40"/46" C5000 : Remove the 16 screws of rear-cover.		 6003-000133  6003-001003
		
3. Lift up the rear-cover.		
4. Remove the speaker and Wooper.		
		

Description	Picture Description	Screws
5. Lift up the stand link. Remove the 4 screws of bracket stand link.		 6003-000133
6. Remove the 5 screws of main board and 5 screws of IP board.		 6001-002283  6001-000115
7. Lift up the panel.		

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

Screw Size

Code No.	A (mm)	B (mm)	C (mm)	Q'ty	
6003-001003	8.3~8.4	12~12.4	4~4.15		
6003-000133	8.3~8.4	7.9~8.3	3.70~3.83		
6001-002283	6.3~6.5	5.0~5.6	2.87~8.98		
6001-000115	5.8~6.3	9.4~10.0	2.87~2.98		

4. Troubleshooting

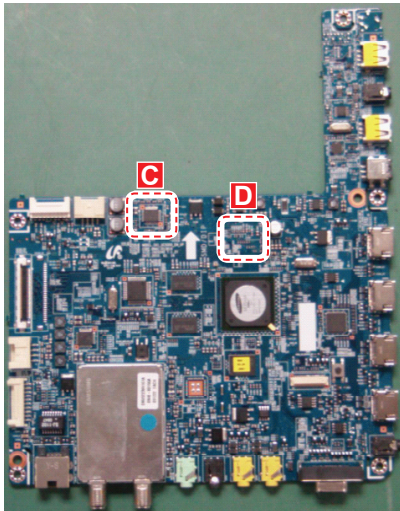
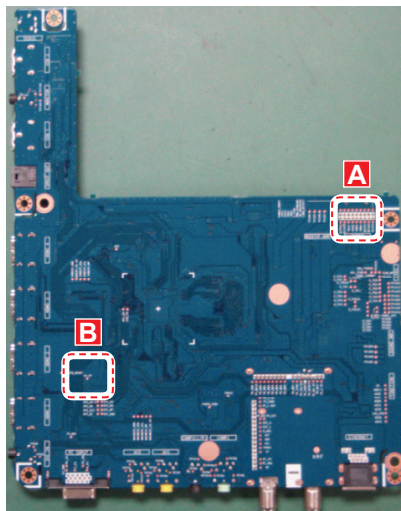
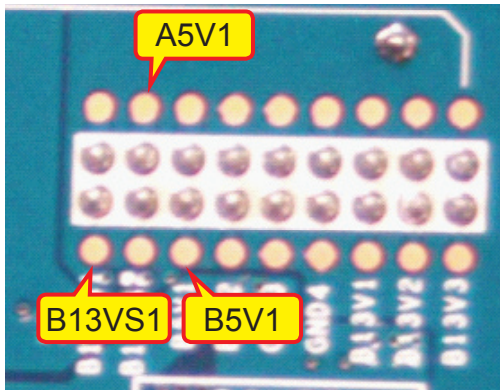
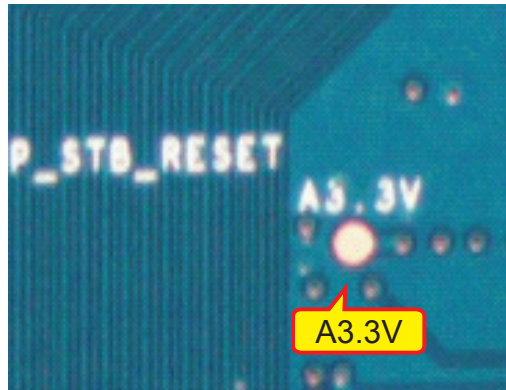
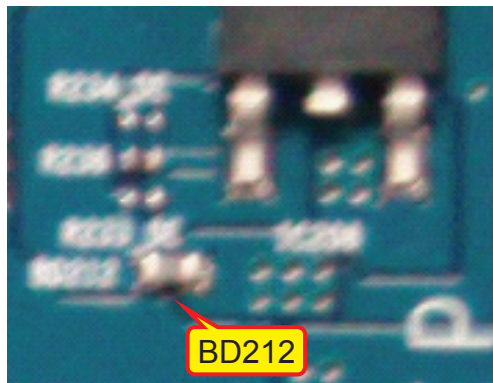
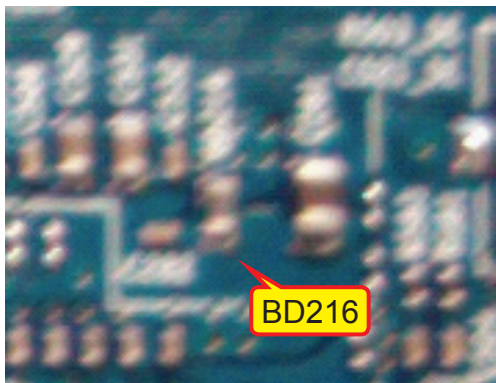
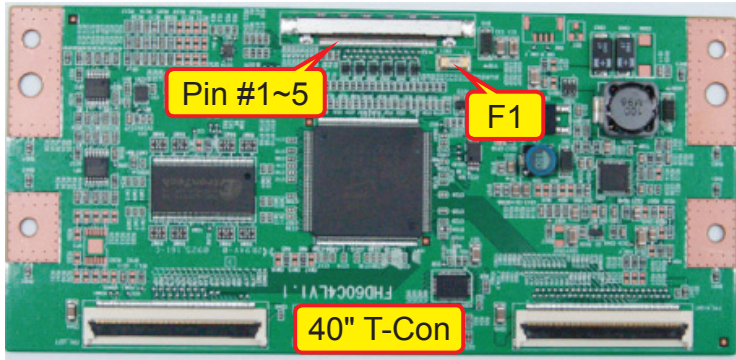
4-1. Troubleshooting

4-1-1. Previous check

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

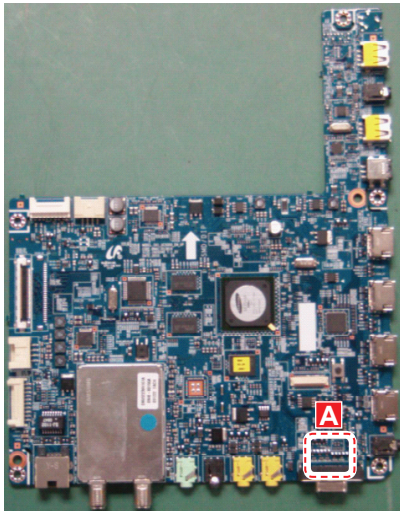
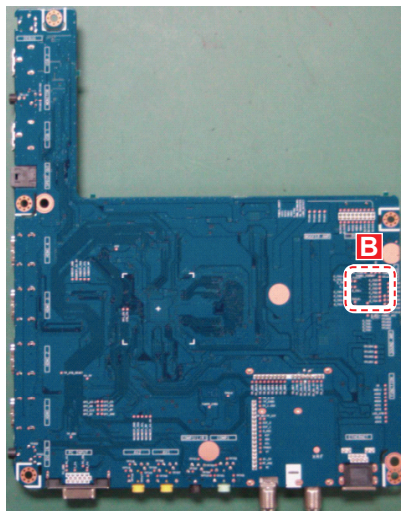
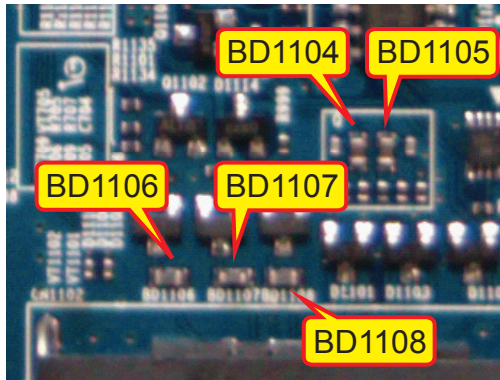
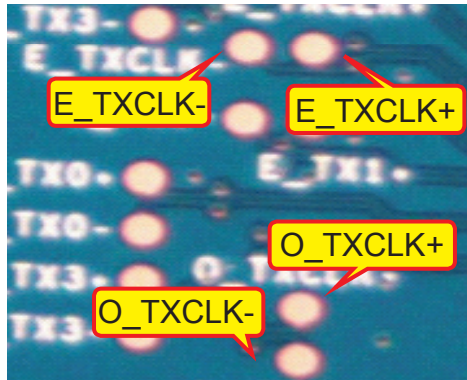
4-1-2. No Power

Symptom	<ul style="list-style-type: none"> - The LEDs on the front panel do not work when connecting the power cord. - The SMPS relay does not work when connecting the power cord. - The units appears to be dead.
Major checkpoints	<p>The IP relay or the LEDs on the front panel does not work when connecting the power cord if the cables are improperly connected or the Main Board or SMPS is not functioning. In this case, check the following:</p> <ul style="list-style-type: none"> - Check the internal cable connection status inside the unit. - Check the fuses of each part. - Check the output voltage of SMPS. - Replace the Main Board.
Diagnostics	<pre> graph TD Q1[Lamp(Backlight) Off, power indicator LED on?] -- No --> A1[Change 18p power cable.] Q1 -- Yes --> Q2[Does proper Stand-By DC A5V appear at TP - A5V1?] Q2 -- No --> A2[Change the Main Assy.] Q2 -- Yes --> Q3[Does proper Main DC B13V, B5V appear at TP - B13VS1, B5V1?] Q3 -- No --> A2 Q3 -- Yes --> Q4[Does proper DC A3.3V appear at TP - A3.3V?] Q4 -- No --> A2 Q4 -- Yes --> Q5[Does proper B3.3V, B1.8V appear at BD216 (B3.3V), BD212 (B1.8V_PW) ?] Q5 -- No --> A2 Q5 -- Yes --> Q6[Does proper DC B13V appear at LVDS connector Pin #1~5 of T-con b'd?] Q6 -- No --> A3[Change the LVDS cable.] Q6 -- Yes --> Q7[Does proper DC B12V appear at F1 of T-con b'd ?] Q7 -- No --> A4[Change the T-con b'd. (except for 4000 series)] Q7 -- Yes --> Q8[A power is supplied to set?] Q8 -- No --> A5[Check a other function. (No picture part) Replace a LCD Panel.] </pre>
Caution	Make sure to disconnect the power before working on the IP board.

Location (Main)			
TOP		BOTTOM	
Detail			
A		B	
C		D	
			

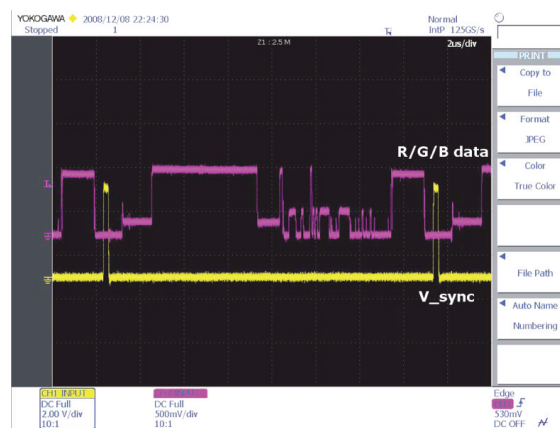
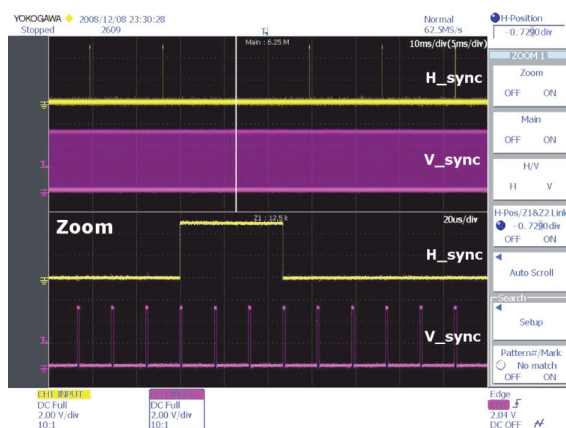
4-1-3. No Video (Analog PC signal)

Symptom	<ul style="list-style-type: none"> Audio is normal but no picture is displayed on the screen.
Major checkpoints	<ul style="list-style-type: none"> Check the PC source Check the Arsenal, Check the Chelsea. This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.
Diagnostics	<pre> graph TD Q1[Power indicator LED is off. Lamp(Backlight) on, no video ?] -- No --> A1[Check a set in the 'Stand-by mode' or 'DPMS mode'.] Q1 -- Yes --> Q2[Check the PC source and check the connection of D-SUB ?] Q2 -- No --> A2[Input the analog PC signal properly.] Q2 -- Yes --> Q3[Does the signal appear at BD1106, BD1107, BD1108, BD1104, BD1105(R, G, B, H, V)?] Q3 -- No --> A3[Check CN901, PC cable. Change the Main Assy.] Q3 -- Yes --> Q4[Does the digital data appear at TP - O_TXCLK+, O_TXCLK-, E_TXCLK+, E_TXCLK- ?] Q4 -- No --> A4[Check IC301 (SX1). Change the Main Assy.] Q4 -- Yes --> Q5[Check the LVDS cable? Check the T-Con B'd? Replace the LCD panel?] Q5 -- No --> A5[Please, Contact Tech support.] </pre>
Caution	Make sure to disconnect the power before working on the IP board.

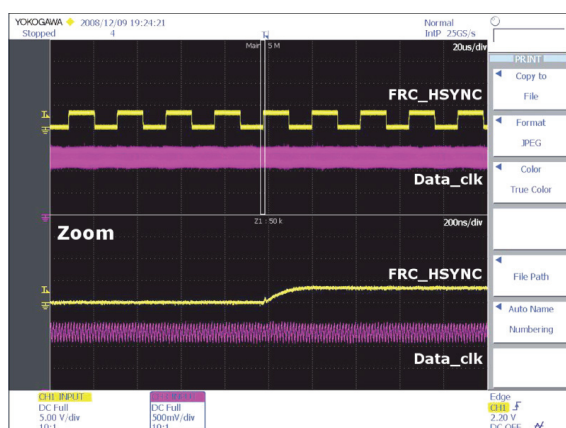
Location (Main)			
TOP		BOTTOM	
Detail			
A		B	

■ WAVEFORMS

1 PC input (V-sink , H-sink , R/G/B)

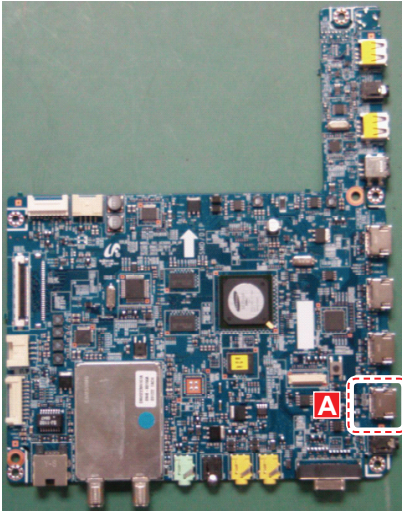
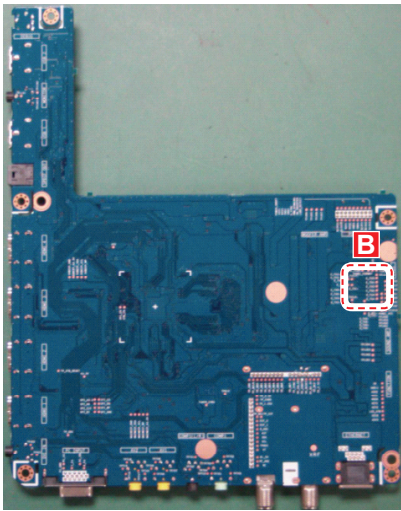
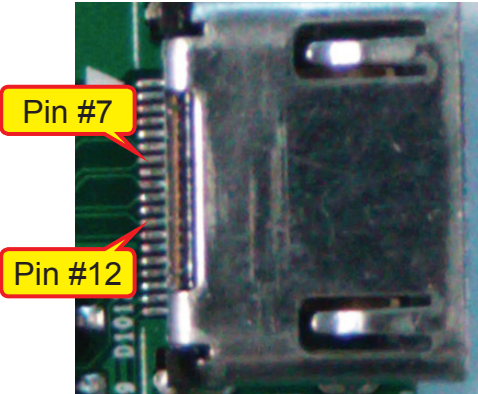
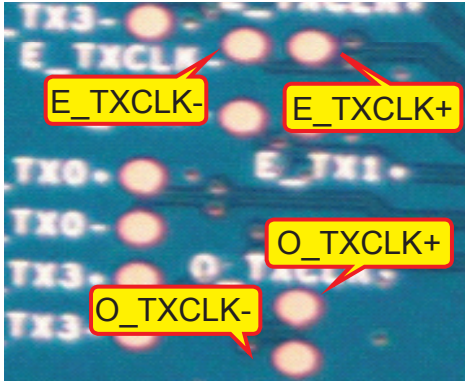


2 LVDS output



4-1-4. No video (HDMI1, 2 - Digital signal)

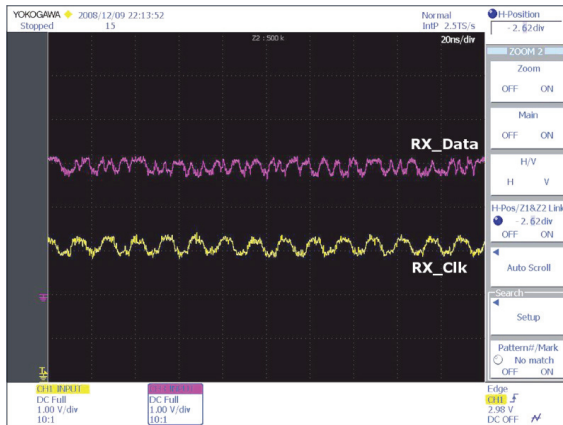
Symptom	<ul style="list-style-type: none"> Audio is normal but no picture is displayed on the screen.
Major checkpoints	<ul style="list-style-type: none"> Check the HDMI source. Check the HDMI switch, Check the Chelsea. This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.
Diagnostics	<pre> graph TD Q1[Power indicator LED is off. Lamp(Backlight) on, no video ?] -- No --> A1[Check a set in the 'Stand-by mode'] Q1 -- Yes --> Q2[Check the HDMI source and check the connection of HDMI cable ?] Q2 -- No --> A2[Input the HDMI signal properly.] Q2 -- Yes --> Q3[Does the signal appear at CN1201 (Pin#12 , #7)(HDMI1) CN1202 (Pin#12 , #7)(HDMI2) CN1203 (Pin#12 , #7)(HDMI3) CN1204_C5 (Pin#12 , #7)(HDMI4) (HDMI RX_Clk , RX_Data) ?] Q3 -- No --> A3[Check CN1001, CN1002. CN1003, CN1004. Check HDMI cable. Change the Main Assy.] Q3 -- Yes --> Q4[Does the digital data appear at TP - O_TXCLK+, O_TXCLK-, E_TXCLK+, E_TXCLK- ?] Q4 -- No --> A4[Check IC301 (SX1). Change the Main Assy.] Q4 -- Yes --> Q5[Check the LVDS cable? Check the T-Con B'd? Replace the LCD panel?] Q5 -- No --> A5[Please, Contact Tech support.] </pre> <p>The flowchart provides a systematic approach to diagnosing the 'No video' issue. It starts by checking the power indicator LED and backlight. If the power is on but there's no video, it moves to checking the HDMI source and cable connection. If the connection is correct, it checks for signal at various HDMI ports (CN1201-CN1204_C5). If no signal is present, it suggests checking the connectors (CN1001-CN1004), the HDMI cable, and the main assembly. If a signal is present, it checks for digital data at specific test points (TP - O_TXCLK+, O_TXCLK-, E_TXCLK+, E_TXCLK-). If no digital data is present, it points to checking IC301 (SX1) and the main assembly. If digital data is present, it suggests checking the LVDS cable, the T-Con board, and replacing the LCD panel. If none of these steps resolve the issue, it advises contacting technical support.</p>
Caution	Make sure to disconnect the power before working on the IP board.

Location (Main)			
TOP		BOTTOM	
Detail			
A		B	

■ WAVEFORMS

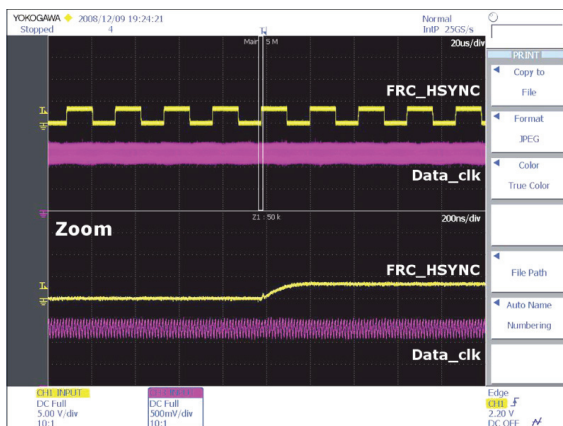
3

HDMI input (RX_Data, RX_Clk)



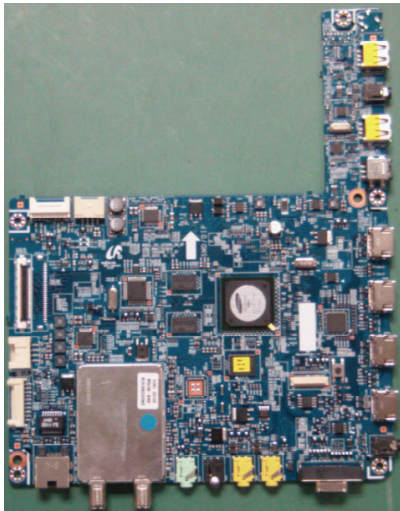
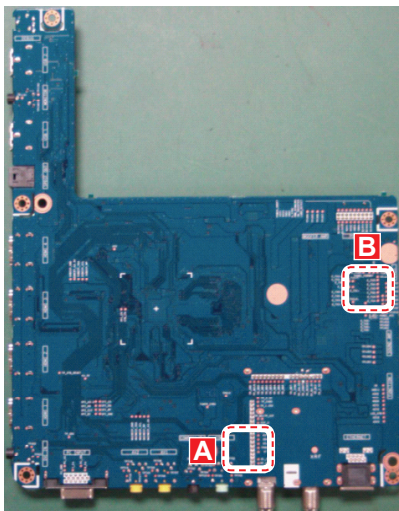
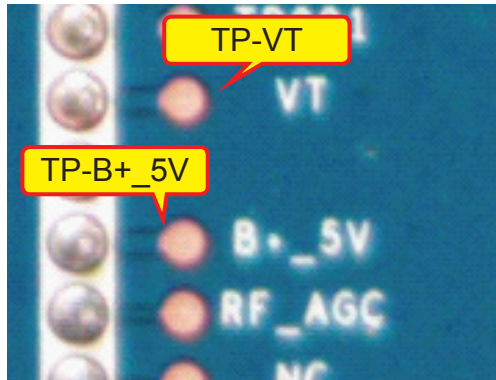
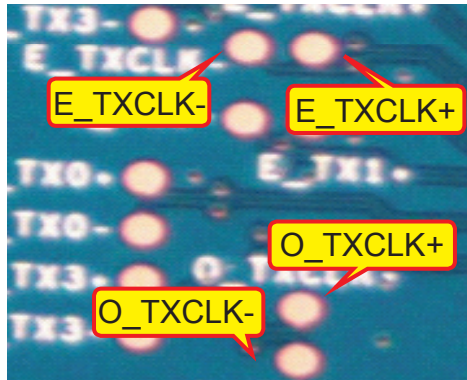
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LVDS output



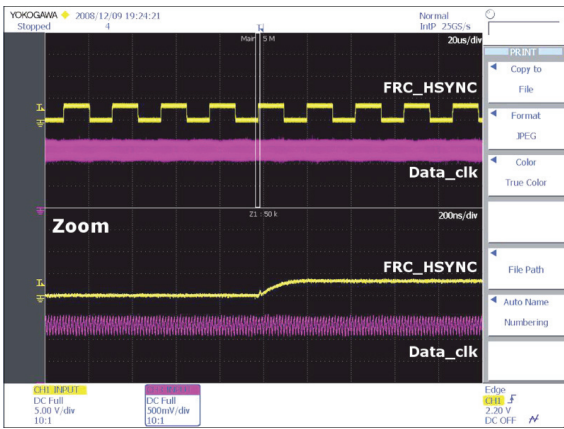
4-1-5. No Video (Tuner_CVBS)

Symptom	<ul style="list-style-type: none"> Audio is normal but no picture is displayed on the screen.
Major checkpoints	<ul style="list-style-type: none"> Check the Tuner CVBS source. Check the Tuner, Check the Chelsea. This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.
Diagnostics	<pre> graph TD Q1[Power indicator LED is off. Lamp(Backlight) on, no video ?] -- No --> A1[Check a set in the 'Stand-by mode'] Q1 -- Yes --> Q2[Check the RF source and check the connection of RF cable ?] Q2 -- No --> A2[Input the RF source properly.] Q2 -- Yes --> Q3[Does the B5V_TU_PW, B33V_TU_PW appear at TP b+_5V, VT ?] Q3 -- No --> A3[Change the Main Assy.] Q3 -- Yes --> Q4[Does the digital data appear at TP - O_TXCLK+, O_TXCLK-, E_TXCLK+, E_TXCLK-?] Q4 -- No --> A4[Check IC301 (SX1). Change the Main Assy.] Q4 -- Yes --> Q5[Check the LVDS cable? Check the T-Con B'd? Replace the LCD panel?] Q5 -- No --> A5[Please, Contact Tech support.] </pre>
Caution	Make sure to disconnect the power before working on the IP board.

Location (Main)			
TOP		BOTTOM	
Detail			
A		B	

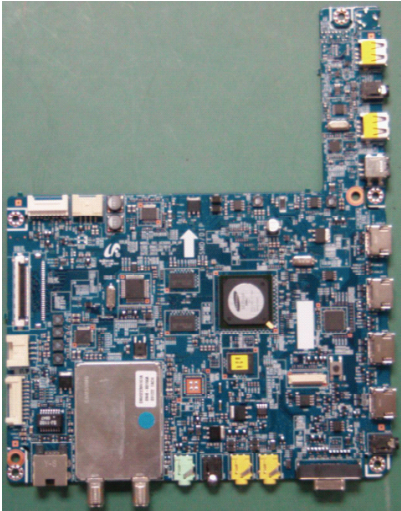
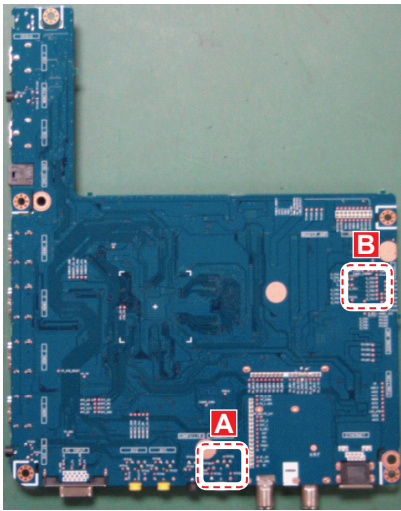
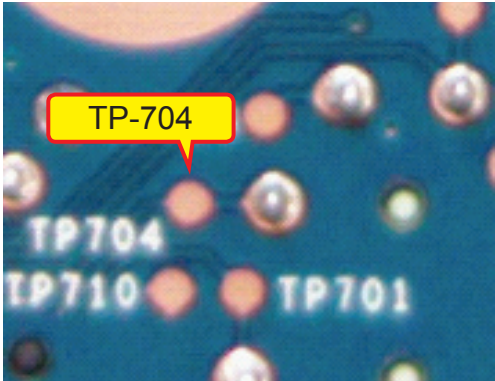
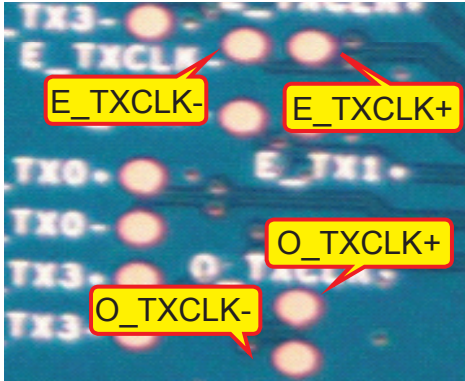
■ WAVEFORMS

2 LVDS output



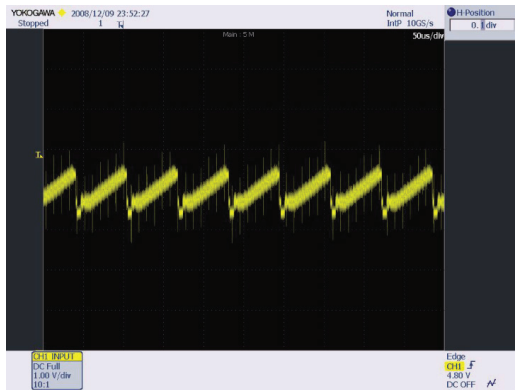
4-1-6. No Video (Video CVBS)

Symptom	<ul style="list-style-type: none"> Audio is normal but no picture is displayed on the screen.
Major checkpoints	<ul style="list-style-type: none"> Check the Video CVBS source Check the Chelsea. This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.
Diagnostics	<pre> graph TD Q1[Power indicator LED is off. Lamp(Backlight) on, no video ?] -- No --> A1[Check a set in the 'Stand-by mode'.] Q1 -- Yes --> Q2[Check the video source and check the connection of video cable?] Q2 -- No --> A2[Input the video source properly.] Q2 -- Yes --> Q4[4 Does the CVBS data appear at TP704 ?] Q4 -- No --> A3[Check CN701. Change the Main Assy.] Q4 -- Yes --> Q2_2[2 Does the digital data appear at TP - O_TXCLK+, O_TXCLK-, E_TXCLK+, E_TXCLK- ?] Q2_2 -- No --> A4[Check IC301 (SX1). Change the Main Assy.] Q2_2 -- Yes --> Q5[Check the LVDS cable? Check the T-Con B'd? Replace the LCD panel?] Q5 -- No --> A5[Please, Contact Tech support.] </pre>
Caution	Make sure to disconnect the power before working on the IP board.

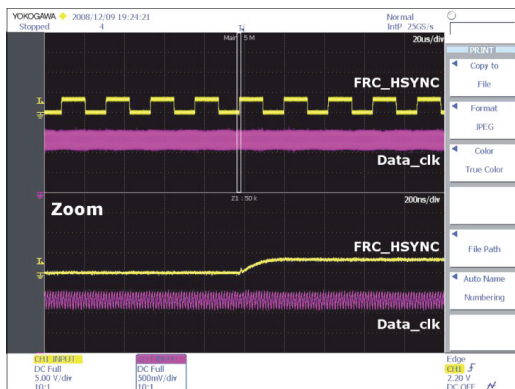
Location (Main)			
TOP		BOTTOM	
Detail			
A		B	

■ WAVEFORMS

4 CVBS OUT (Grey Bar)

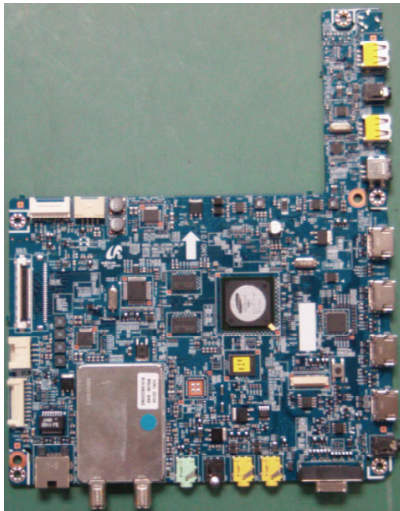
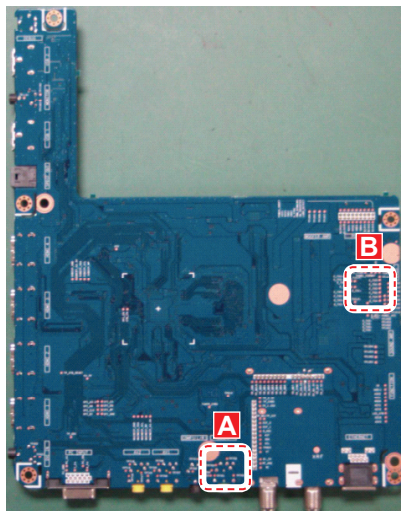
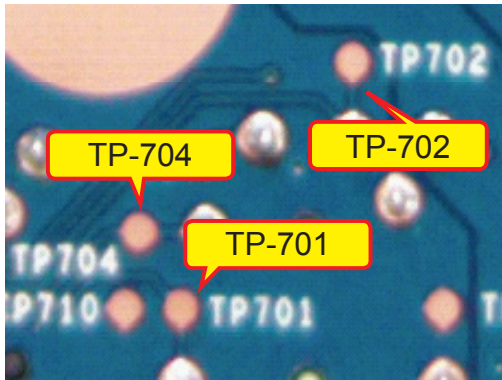
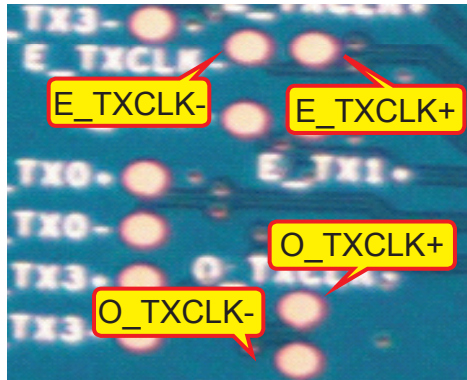


2 LVDS output



4-1-7. No Video (Component)

Symptom	<ul style="list-style-type: none"> Audio is normal but no picture is displayed on the screen.
Major checkpoints	<ul style="list-style-type: none"> Check the Component source Check the chelsea. This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.
Diagnostics	<pre> graph TD Q1[Power indicator LED is off. Lamp(Backlight) on, no video ?] -- No --> A1[Check a set in the 'Stand-by mode'] Q1 -- Yes --> Q2[Check the component source and check the connection of component cables(Y,Pb,Pr)?] Q2 -- No --> A2[Input the component source properly.] Q2 -- Yes --> Q5[5 Does the component data appear at TP-704, 702, 701(Comp / Y, Pb, Pr) ?] Q5 -- No --> A3[Check CN701. Change the Main Assy.] Q5 -- Yes --> Q2_2[2 Does the digital data appear at TP - O_TXCLK+, O_TXCLK-, E_TXCLK+, E_TXCLK- ?] Q2_2 -- No --> A4[Check IC301 (SX1) Change the Main Assy.] Q2_2 -- Yes --> Q3[Check the LVDS cable? Check the T-Con B'd? Replace the LCD panel?] Q3 -- No --> A5[Please, Contact Tech support.] </pre>
Caution	Make sure to disconnect the power before working on the IP board.

Location (Main)			
TOP		BOTTOM	
Detail			
A		B	

■ WAVEFORMS

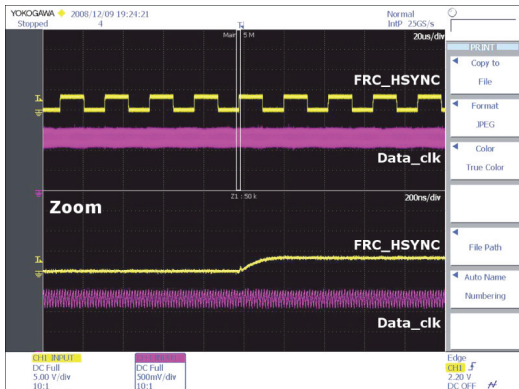
5

Compnent_Y (Gray scale) / Pb / Pr (Color bar)



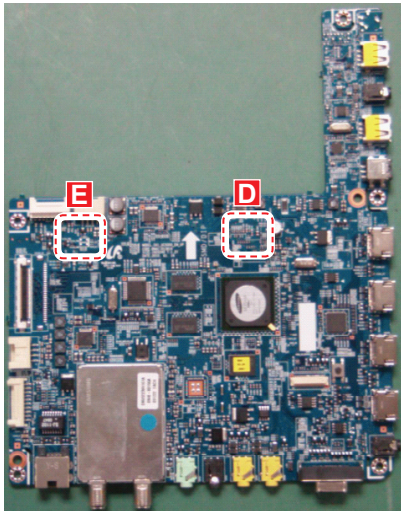
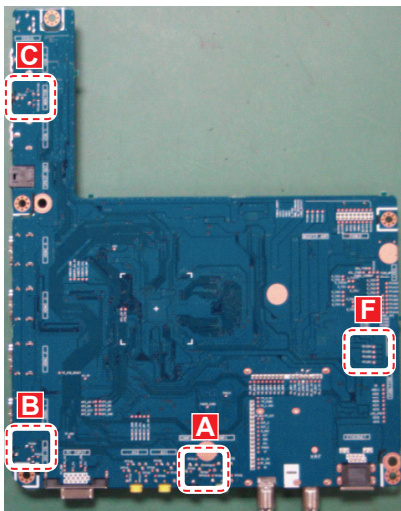
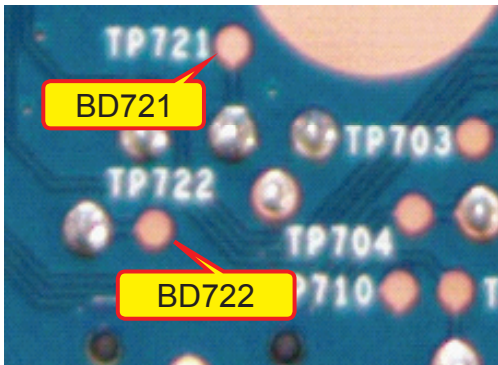
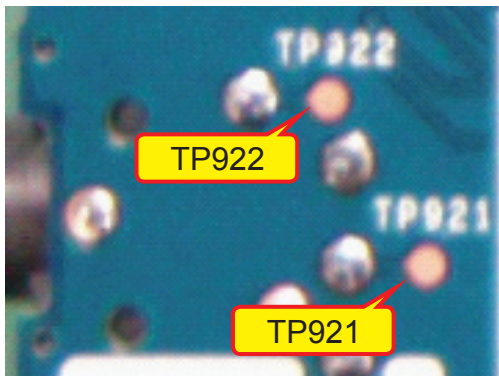
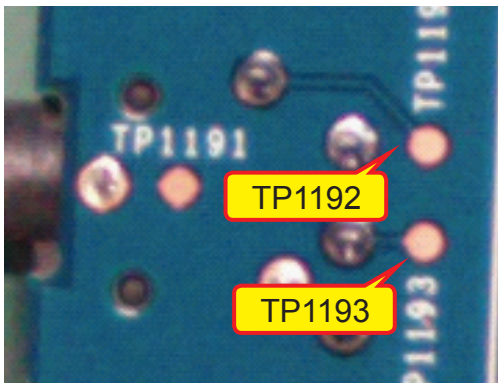
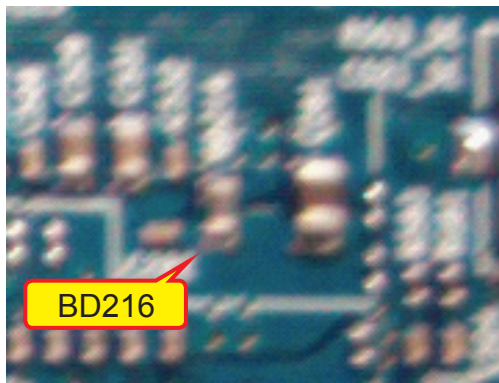
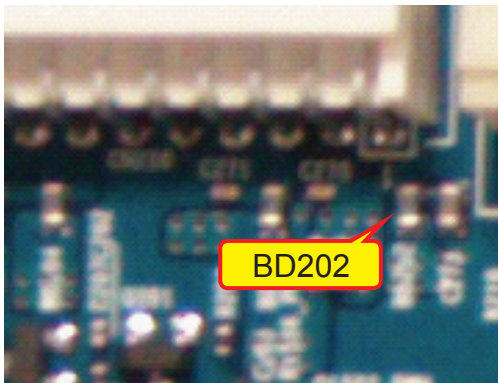
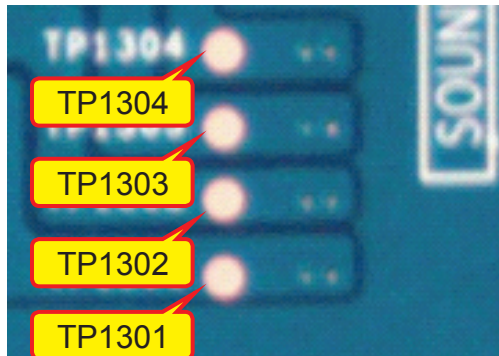
2

LVDS output



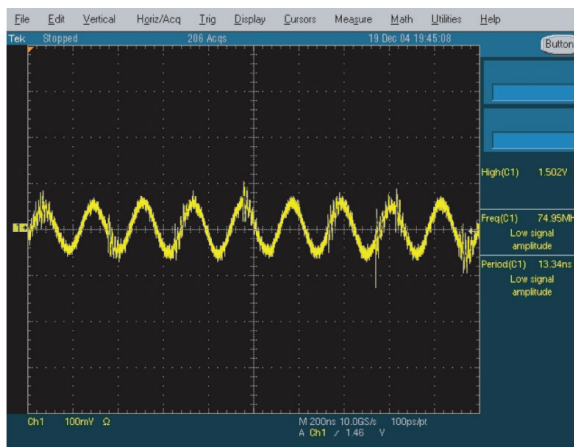
4-1-8. No Sound

Symptom	– Video is normal but there is no sound..
Major checkpoints	<ul style="list-style-type: none"> – When the speaker connectors are disconnected or damaged. – When the sound processing part of the Main Board is not functioning. – Speaker defect..
Diagnostics	<pre> graph TD Q1[Check the source and check the connection of sound cable (Comp/PC/DVI to HDMI) ?] -- No --> A1[Input the sound source properly.] Q1 -- Yes --> Q2[Does the sound data appear at TP-721, 722 (Comp R/L) TP-921, 922 (PC/DVI R/L) TP-1193, 1192 (Monitor out R/L) ?] Q2 -- No --> A2[Check CN701, CN902, CN1201. Change the Main Assy.] Q2 -- Yes --> Q3[Does the DC B3.3V, B12VS appear at Does the DC B3.3V, B13VS appear at BD216, BD202 ?] Q3 -- No --> A3[Change the Main Assy.] Q3 -- Yes --> Q4[Does the sound data appear at TP-1301, 1302, 1303, 1304 (L-, L+, R-, R+) ?] Q4 -- No --> A4[Check IC301 (SX1). Check IC1202 (Sound AMP). Change the Main Assy.] Q4 -- Yes --> Q5[Replace speaker ? TBD] Q5 -- No --> A5[Please, Contact Tech support.] </pre> <p>7</p>
Caution	Make sure to disconnect the power before working on the IP board.

Location (Main)			
TOP		BOTTOM	
Detail			
A		B	
C		D	
E		F	

■ WAVEFORMS

7 Speaker out



4-2. Alignments and Adjustments

4-2-1. General Alignment Instruction

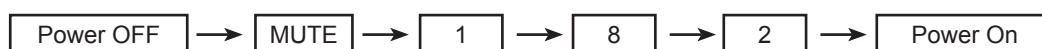
1. Usually, a color LCD-TV needs only slight touch-up adjustment upon installation.
Check the basic characteristics such as height, horizontal and vertical sync.
2. Use the specified test equipment or its equivalent.
3. Correct impedance matching is essential.
4. Avoid overload. Excessive signal from a sweep generator might overload the front-end of the TV. When inserting signal markers, do not allow the marker generator to distort test result.
5. Connect the TV only to an AC power source with voltage and frequency as specified on the backcover nameplate.
6. Do not attempt to connect or disconnect any wire while the TV is turned on. Make sure that the power cord is disconnected before replacing any parts.
7. To protect against shock hazard, use an isolation transformer.

4-3. Factory Mode Adjustments

4-3-1 Entering Factory Mode

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

- If you do not have Factory remote - control



4-3-2 How to Access Service Mode

Using the Customer Remote

1. Turn the power off and set to stand-by mode
2. Press the remote buttons in this order; POWER OFF-MUTE-1-8-2-POWER ON to turn the set on.
3. The set turns on and enters service mode. This may take approximately 20 seconds.
4. Press the Power button to exit and store data in memory.
- If you fail to enter service mode, repeat steps 1 and 2 above.
5. Initial SERVICE MODE DISPLAY State

Option
Control
SVC
Expert
ADC/WB
Advanced
T-TDT5IBRC-XXX T-TDT5IBRS-XXX EDID SUCCESS CALIB : AV X COM X PC X HDMI X Option : XXXX XXXX XXXX X
SDAL-XXX RFS : 1002 T-TDT5IBRC 20XX-XX-XX TYPE : XX MODEL : XXXXX MAC FAIL FACTORY DATA VER : XXX EERC VERSION : XXX DTP-AP-COMP-310-01 DTP-HIIG-0304 DTP-BP-0314 DATE OF PURCHASE : XX/XX/XX

* How to enter the hidden factory mode.

- a. into the factory mode
- b. move the tap to Advanced
- c. key input : 0 + 0 + 0 + 0

** hidden menu : Advanced

6. Buttons operations within Service Mode

Menu	Full Menu Display/Move to Parent Menu
Direction Keys ▲ / ▼	Item Selection by Moving the Cursor
Direction Keys ◀ / ▶	Data Increase / Decrease for the Selected Item
Source	Cycles through the active input source that are connected to the unit

4-3-3. Detail Factory Option

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

Model Name			UN32C5000QMXZD	UN40C5000QMXZD	UN46C5000QMXZD	
Panel		Vendor		CMO	CMO	AUO
		CODE		BN07-00849A	BN07-00856A	BN95-00384A
		SPEC		T320FAE1-DB	T400FAE1-DB	T460FAE1-FA
SMPS		IP Board (SEC)		BN44-00351A	BN44-00353A	BN44-00357A
Byte	Item	CHASSIS ASS'Y		BN91-04999L	BN91-04999L	BN91-04999L
		Option Table	PBA (e-Catch)	-	-	-
			Final (Adjustment_spec)	-	-	-
		PBA ASSY CODE				
0	Factory Reset					
1	Type		32P6UF0E	40P6UF0E	46L6UF0E	
2	Local set		BRAZIL_DTV	BRAZIL_DTV	BRAZIL_DTV	
3	Model Name		UC5000	UC5000	UC5000	
4	Tuner		SEMPA081	SEMPA081	SEMPA081	
5	DDR		0	0	0	
6	Light Effect		OFF	OFF	OFF	
7	Ch table		
8	Country		
9	Front Color		T-R-BLK	T-R-BLK	T-R-BLK	

4-3-4. Factory Data

■ Option

Option	Factory Name	Data	RANGE	REMARK
	Factory Reset			
	Type	32P6AH0E 32P6UF0E 37P6UF0E 40P6UF0E 46P6UF0E	NONE/19O6TH0C/19A6TH0C/22I6TH0C/22A6TH0C/22D6TH0C/22P6TH0C/26A6AH0C/26D6AH0C/26L6AH0C/26P6AH0C/32A6AH0C/32D6AH0C/32L6AH0C/32P6AH0C/32A6AF0C/32L6AF0C/32A1AF0C/32L1AF0C/37L6AF0C/37L1AF0C/40A6AF0C/40D6AF0C/40L6AF0C/40A1AF0C/40L1AF0C/40A1UF0C/40D1UF0C/40L1UF0C/46A6AF0C/46D6AF0C/46L6AF0C/46A1AF0C/46L1AF0C/46A1UF0C/46D1UF0C/46L1UF0C/55A1UF0C/55L1UF0C/65L1UF0C/19O6TH0E/22P6TH0E/26P6AH0E/32P6AH0E/32P6UF0E/32A1UF0E/32P1UF0E/37P6UF0E/37P1UF0E/37P1UF1E/40P6UF0E/40A1UF0E/40P1UF0E/46P6UF0E/46L6UF0E/46A1UF0E/46P1UF0E/46L1UF0E/55A1UF0E/55P1UF0E/55L1UF0E/65L1UF0E/42HHcD3/50HHcD450FArN4/50FArV458FArN1/58FArV163FArN1/	
	Local Set	BRAZIL_DTV		
	Model	UC4000 UC5000	LC350/LC450/LC450H/LC451LC452/LC457HLC459H/LC480/LC530/LC530H/LC539H/LC540/LC550/LC560/LC580/LC570/LC610/LC620/LC630/LC631/LC632/LC633/LC640/LC650/LC652/LC653/LC654/LC670/ UC4000/UC4000H/UC4010/UC5000/UC5100/UC6000/UC6200/UC6300/UC6400/UC6400H/UC6500/UC6510/UC6530/UC6540/UC6550/UC6600/UC6620/UC6630/UC6700/UC6720/UC6730/UC6740/UC6800/UC6830/UC6900/UC6900H/UC8000/ PC420/PC430/PC431/PC432/PC450/PC451/PC480/PC520/PC530/PC531/PC540/PC541/PC550/PC551/PC560/PC580/PC590/PC670/PC6100/PC6400/PC6500/PC7000/PC7700/PC8000	
	TUNER	DRX3900J	fixed	
	DDR	0	0~2	
	Light Effect	OFF	ON/OFF	INFO+FACTORY
	Ch Table	...		
	Country	USA	USA/PANAMA	
	Front Color	T-R-BLK	NONE/W-MILKY/T-M-Brn/T-W-Brn/T-W-Gray/W-D-Gray/W-M-Whit/W-Violet/T-C-Gray/T-R-BLK/S-BLK/S-RBLK/S-C-Gray/	

info + factory : only used factory remote controller

■ Control

Control	Factory Name	RANGE	REMARK
	EDID	SUB MENU	
	Sub Option	SUB MENU	
	PDP Option		
	Hotel Option	SUB MENU	
	Shop Option	SUB MENU	
	Asia Option	SUB MENU	INFO+FACTORY
	Sound	SUB MENU	
	Config Option	SUB MENU	INFO+FACTORY
	SCC	SUB MENU	INFO+FACTORY
EDID	Factory Name	Data	RANGE
	EDID ON/OFF	Off	ON/OFF
	EDID WRITE ALL	...	Success/failure
	EDID WRITE PC	...	Success/failure
	EDID WRITE HDMI	...	Success/failure
	EDID WRITE HDMI1	...	fixed
	EDID WRITE HDMI2	...	fixed
	EDID WRITE HDMI3	...	fixed
	EDID WRITE HDMI4	...	fixed
	EDID 1.2 PORT	NONE	NONE/Not Support/HDMI2/HDMI3/HDMI4
	EDID WRITE DVI	...	fixed

4. Troubleshooting

Sub Option	Factory Name	Data	RANGE	REMARK
	RF Mute Time	600ms	0ms~1000ms	
	RS-232 Jack	UART	Debug/Login/UART	
	Watchdog	OFF	ON/OFF	
	WD Count	0	0~255	
	Dimm Type	EXT	fixed	
	Lvds Format	JEIDA	JEIDA/VESA/19INCH	
	Language_Arbic	...	fixed	INFO+FACTORY
	TOOLS Support	32	0~255	INFO+FACTORY
	LNA Support	0	0~255	INFO+FACTORY
	MediaPlay DB	On whth 5MB	fixed	
	MediaPlay Movie	chapterinMedia	fixed	
	MediaPlay DLNA	OFF	fixed	
	MediaPlay PlayList	OFF	fixed	
	NETWORK Support	Wireless	Not Support/Cable/Wireless	INFO+FACTORY
	Info Link Server Type	operationg	operationgdevelopment/developing	INFO+FACTORY
	Info Link Country	USA	None/USA	INFO+FACTORY
	TTX List	...	fixed	INFO+FACTORY
	TTX Group	...	fixed	INFO+FACTORY
	24Px4 Support	OFF	ON/OFF	INFO+FACTORY
	Power Indicator Support	OFF	ON/OFF	INFO+FACTORY
	BD Wise Support	ON	ON/OFF	INFO+FACTORY
	Data Service Support	OFF	ON/OFF	INFO+FACTORY
	Alternate Del	OFF	ON/OFF	INFO+FACTORY
	OTN Server Type	operationg	operation/development	
	OTN Test Server	OFF	OFF/ A/B/C/D/E Zone	
	OTN Support	OFF	ON/OFF	
	OTN Reset			
	OTN Duration	OFF	ON/OFF	
	OTN Fail Test	OFF	ON/OFF	
	IIC Bus Stop	OFF	ON/OFF	INFO+FACTORY
	Visual Test	Disable	fixed	INFO+FACTORY
	T-CON USB Download	Failure	fixed	
	Emergency Log Copy			INFO+FACTORY
	Checksum	0x0000		INFO+FACTORY
	View Log		SUB MENU	
	ColorSpace Support	HueSate Type	RGB Type / HueSate Type	INFO+FACTORY
	Gemstar On/Off	OFF	ON/OFF	INFO+FACTORY
	WSS Support	OFF	ON/OFF	INFO+FACTORY
	PVR Support	OFF	ON/OFF	INFO+FACTORY
	CI Support	OFF	ON/OFF	INFO+FACTORY

	Eeprom Reset		SUB MENU	INFO+FACTORY
	Spread Spectrum		SUB MENU	INFO+FACTORY
	DDR Margin		SUB MENU	INFO+FACTORY
	H.264 Margin	200	0~2000	
	MPEG Margin	50	0~2001	
	Tuner Margin	50	0~2002	
	SST		SUB MENU	
	SST_Th		SUB MENU	
	2nd mips	ON	ON/OFF	
	2nd mips count	0	0~255	
	Region	KOR	fixed	
	PnP Language	...	fixed	INFO+FACTORY
	PC Auto Ident	Enable	Auto/Enable	

View Log	Factory Name	Data	RANGE	REMARK
	Select Log Type	IR Key	NVRAM / DIAGNOSIS / IR KEY	
	Log View			
	Delete Log			

Eeprom Reset	Factory Name	Data	RANGE	REMARK
	EER Reset			INFO+FACTORY
	NVR All Clear	OFF		INFO+FACTORY

Spread Spectrum	Factory Name	Data	RANGE	REMARK
	LVDS SSC ON/OFF	ON	ON/OFF	INFO+FACTORY
	LVDS SSC MWR	0X19H	0X00~0X7F	INFO+FACTORY
	LVDS SSC MFR	0X7FH	0X00~0X7F	INFO+FACTORY
	DDR SSC ON/OFF	OFF	ON/OFF	INFO+FACTORY
	DDR SSC MWR	0X19H	0X00~0X7F	INFO+FACTORY
	DDR SSC MFR	0X7FH	0X00~0X7F	INFO+FACTORY
	SSC Fraction Default	ON	ON/OFF	INFO+FACTORY
	LVDS Strength	6	0~6	INFO+FACTORY

DDR Margin	Factory Name	Data	RANGE	REMARK
	A CTRL_OFFSET_0_3	0X0	fixed	INFO+FACTORY
	A CTRL_OFFSET_D	0X0	fixed	INFO+FACTORY
	B CTRL_OFFSET_0_3	0X0	fixed	INFO+FACTORY
	B CTRL_OFFSET_D	0X0	fixed	INFO+FACTORY

4. Troubleshooting

SST	Factory Name	Data	RANGE	REMARK
	Y0 Ref	166	0~255	
	Y1 Ref	148	0~255	
	Y2 Ref	119	0~255	
	Y3 Ref	101	0~255	
	Y4 Ref	76	0~255	
	Y5 Ref	60	0~255	
	Y6 Ref	31	0~255	
	Y7 Ref	0	0~255	
	Cb0 Ref	128	0~255	
	Cb1 Ref	64	0~255	
	Cb2 Ref	148	0~255	
	Cb3 Ref	85	0~255	
	Cb4 Ref	171	0~255	
	Cb5 Ref	108	0~255	
	Cb6 Ref	194	0~255	
	Cb7 Ref	0	0~255	
	Cr0 Ref	128	0~255	
	Cr1 Ref	137	0~255	
	Cr2 Ref	64	0~255	
	Cr3 Ref	74	0~255	
	Cr4 Ref	181	0~255	
	Cr5 Ref	192	0~255	
	Cr6 Ref	118	0~255	
	Cr7 Ref	0	0~255	

SST_Th	Factory Name	Data	RANGE	REMARK
	Y0 TH	20	0~255	
	Y1 TH	20	0~255	
	Y2 TH	20	0~255	
	Y3 TH	20	0~255	
	Y4 TH	20	0~255	
	Y5 TH	20	0~255	
	Y6 TH	20	0~255	
	Y7 TH	20	0~255	
	Cb0 TH	20	0~255	
	Cb1 TH	20	0~255	
	Cb2 TH	20	0~255	
	Cb3 TH	20	0~255	
	Cb4 TH	20	0~255	
	Cb5 TH	20	0~255	
	Cb6 TH	20	0~255	
	Cb7 TH	20	0~255	
	Cr0 TH	20	0~255	
	Cr1 TH	20	0~255	
	Cr2 TH	20	0~255	
	Cr3 TH	20	0~255	
	Cr4 TH	20	0~255	
	Cr5 TH	20	0~255	
	Cr6 TH	20	0~255	
	Cr7 TH	20	0~255	

Hotel Option	Factory Name	Data	RANGE	REMARK
	Hotel Mode	OFF	ON/OFF	
	SI Vender	Samsung	Samsung/2M/Locatel/VDA/VDA-S/Acentic/Premiere/Sustinere/Quadriga/ETV/Ibahn/Magilink/Otrum/PeninsulaSiemens/OCC/MTI/MstreamsDAWNXTV/Enseo/Cardinal/Guestek/OFF/Movielink/Swisscom	
	Power On Channel	3	1~135	
	Channel Type	ATV	ATV/DTV/CATV/CDTV	
	Power On Volume	10	0~100	
	Min Volume	0	0~100	
	Max Volume	100	0~100	
	Panel Button Lock	Unlock	Unlock/Lock/OnlyPower	
	Power On Source	TV	TV/AV/Comp/PC/HDMI1/HDMI2/HDMI3/HDMI4	

Shop Option	Factory Name	Data	Range
	Shop Mode
	Exhibition Mode	OFF	ON/OFF

Asia Option	Factory Name	Data	RANGE	REMARK
	TTX	OFF	ON/OFF	INFO+FACTORY
	China HD	OFF	ON/OFF	INFO+FACTORY
	NT Conversion	OFF	ON/OFF	INFO+FACTORY
	Sepco 120Hz	OFF	ON/OFF	INFO+FACTORY
	Unbalance	OFF	ON/OFF	INFO+FACTORY
	FMTransmitter Support	OFF	ON/OFF	INFO+FACTORY
	FMTransmitter Carrier	OFF	ON/OFF	INFO+FACTORY
	AF Level adjust	3	0~7	INFO+FACTORY
	TX Power Level	0	0~3	INFO+FACTORY
	Mono Last Memory	OFF	ON/OFF	INFO+FACTORY

Sound	Factory Name	Data	RANGE	REMARK
	High Devi	OFF	ON/OFF	
	Carrier_Mute	ON	ON/OFF	
	Volume Curve	Type2	Type1/Type2/error	INFO+FACTORY
	Speaker Delay Normal	10	0~255	
	Pilot Level High Thld	0x08h	0x00~0xff	
	Pilot Level Low Thld	0x05h	0x00~0xff	
	FM Prescale	17	0~255	INFO+FACTORY
	AM Prescale	10	0~255	INFO+FACTORY
	NICAM Prescale	33	0~255	INFO+FACTORY
	Amp Volume	0x10h	0x00~0xff	INFO+FACTORY
	Amp Scale	0x78h	0x00~0xff	INFO+FACTORY
	Amp Check Sum	0x0000a820	fixed	INFO+FACTORY
	Woofer Type	4	1~7	INFO+FACTORY
	Woofer Scale	0x7Fh	0x00~0xff	INFO+FACTORY
	Woofer Check Sum			INFO+FACTORY
	Speaker EQ	ON	ON/OFF	
	PEQ Test	0	0~7	INFO+FACTORY
	Amp Model	TAS5715	SAT369B/TAS5715/NPT7300	INFO+FACTORY
	Speaker cut-off Freq	4	0~16	INFO+FACTORY
	SPDIF PCM Gain	-9dB	-10dB~0dB	

Config Option	Factory Name	Data	RANGE	REMARK
	Num of ATV	1	1~2	INFO+FACTORY
	Num of DTV	1	0~2	INFO+FACTORY
	Num of AV	2	0~3	INFO+FACTORY
	Num of SVIDEO	0	1~3	INFO+FACTORY
	Num of Comp	2	1~3	INFO+FACTORY
	Num of HDMI	4	0~4	INFO+FACTORY
	Num of PC	1	0~1	INFO+FACTORY
	Num of SCART	0	0~2	INFO+FACTORY
	Num of DVI	0	0~1	INFO+FACTORY
	Num of OPTICAL Link	0	fixed	INFO+FACTORY
	Num of MEDIA	1	0~1	INFO+FACTORY
	Num of PANEL KEY	6	0~8	INFO+FACTORY
	Num of USB Port	2	0~2	INFO+FACTORY
	Num of HeadPhone	0	0~1	INFO+FACTORY
	MFT Offset	62.5	50/62.5	INFO+FACTORY
	Select LCD/PDP	LCD	LCD/PDP	INFO+FACTORY
	HDMI/DVI SEL	1	1~4	INFO+FACTORY
	Indicator Led	OFF	ON/OFF	INFO+FACTORY
	Wall Mount	OFF	ON/OFF	INFO+FACTORY
	HV Flip	ON	ON/OFF	INFO+FACTORY
	Num of Display	2	1~2	INFO+FACTORY
	DVI/HDMI SOUND	Auto	Auto/DVI	INFO+FACTORY
	HDMI HOT PLUG	Disable	Enable/Disable	INFO+FACTORY
	HOTPLUG SWITCHING	Boot	Disable/Boot/Source	INFO+FACTORY
	HOTPLUG DURATION	1200ms	0~2000ms	INFO+FACTORY
	CLK TERM DURATION	1200ms	0~2000ms	INFO+FACTORY
	HDMI FLT CNT SIG	200ms	0~1000ms	INFO+FACTORY
	HDMI FLT CNT LOS	600ms	0~1000ms	INFO+FACTORY
	UNSTABLE BAN CNT	3500ms	0~100000ms	INFO+FACTORY
	HDMI Err Cnt	5	0~10	INFO+FACTORY
	HDMI ROBIN	ON	ON/OFF	INFO+FACTORY
	HDMI Callback	OFF	ON/OFF	INFO+FACTORY
	HDMI CTS Thld	8	0~15	INFO+FACTORY
	HDMI CTS Cnt1	1	0~15	INFO+FACTORY
	TMDS_EQ2_Boost	1	0~7	INFO+FACTORY
	TMDS_EQ2_Gain	0	0~3	INFO+FACTORY
	TMDS_PLL_Loop	3	0~3	INFO+FACTORY
	TMDS_CPREG_BLEED	1	0~1	INFO+FACTORY
	HDMI EQ	AUTO	AUTO/Low/Middle/High/Strong	INFO+FACTORY

4. Troubleshooting

	HDMI Write Type	Combine	Combine/Separate	INFO+FACTORY
	HDMI Switch	SIL9287	NONE/SIL9287/TMDS461	INFO+FACTORY
	DVI SET TIME	300ms	0~1000ms	INFO+FACTORY
	Type Of PANEL KEY	Horizontal	Horizontal/Vertical/PDPVertical/Nne	INFO+FACTORY
	EcoSensor Support	ON	ON/OFF	INFO+FACTORY
	LEDMotionPlus Support	OFF	ON/OFF	INFO+FACTORY
	Natural Mode Support	ON	ON/OFF	INFO+FACTORY
	All Share Support	ON	ON/OFF	INFO+FACTORY
	Relax Mode Support	OFF	ON/OFF	INFO+FACTORY
	DVI-I Support	OFF	ON/OFF	INFO+FACTORY
	Melfas Function Support	OFF	ON/OFF	INFO+FACTORY
	Light Level Support	OFF	ON/OFF	INFO+FACTORY

SCC	Factory Name	Data	RANGE	REMARK
	SCC Mode	Dynamic	Dynamic/Movie	INFO+FACTORY
	SCC ON/OFF	OFF	ON/OFF	INFO+FACTORY
	SCC Input Data		SUB MENU	INFO+FACTORY
	sSCC Const		SUB MENU	INFO+FACTORY
	pSCC Const		SUB MENU	INFO+FACTORY
	SCC Source Data	PBA	PBA/PANEL	INFO+FACTORY
	SWAP	PBA	PBA/PANEL	INFO+FACTORY

SCC Input Data	Factory Name	Data	RANGE	REMARK
	Hx	272	0~512	INFO+FACTORY
	Hy	273	0~512	INFO+FACTORY
	Lx	274	0~512	INFO+FACTORY
	Ly	275	0~512	INFO+FACTORY

sSCC Const	Factory Name	Data	RANGE	REMARK
	sSCC Hx	550	0~1024	INFO+FACTORY
	sSCC Hy	566	0~1024	INFO+FACTORY
	sSCC Lx	598	0~1024	INFO+FACTORY
	sSCC Ly	550	0~1024	INFO+FACTORY

pSCC Const	Factory Name	Data	RANGE	REMARK
	pSCC Hx	550	0~1024	INFO+FACTORY
	pSCC Hy	566	0~1024	INFO+FACTORY
	pSCC Lx	598	0~1024	INFO+FACTORY
	pSCC Ly	550	0~1024	INFO+FACTORY

■ SVC

SVC	Factory Name	Data	RANGE	REMARK
	Test Pattern		SUB MENU	
	Panel Auto Setting	Failure	fixed	INFO+FACTORY
	Panel Display Time	8Hr	fixed	
	Logic Usb D/L	Off	fixed	INFO+FACTORY
	Tuner Status			

Test Pattern	Factory Name	Data	Range
	Pattern Sel	OFF	OFF/ White/Grey/Black/Red/Green/Blue
	RFC PC Mode	...	fixed
	Logic Pattern Sel	...	fixed
	Logic Level Sel	...	fixed

TUNER STATUS	Factory Name	Data	Range
	DVB		SUB MENU
	ISDB-T		SUB MENU

DVB	Factory Name	Data	Range
	SNR		fixed
	BER		fixed
	Singal Strength		fixed
	Bandwidth		fixed
	Frequency		fixed
	LNA Status		fixed
	FFT		fixed
	Modulation		fixed
	Code Rate		fixed
	GI		fixed
	Hier Modulation		fixed
	Frequency Offset		fixed
	Timing Offset		fixed
	AGC		fixed
	UCB		fixed
	PLL Type		fixed
	DEMOD Type		fixed
	TPS LOCK		fixed
	RS Lock		fixed
	SSI		fixed
	SQI		fixed

ISDB-T	Factory Name	Data	Range
	FFT Size_1		fixed
	Guard Interval_1		fixed
	Freq. Offset_1		fixed
	SNR_1		fixed
	IF AGC_1		fixed
	TMCC Lock_1		fixed
	TS Packet_1		fixed
	Master Lock_1		fixed
	A_Modulation_1		fixed
	A_Code Rate_1		fixed
	A_Timer InterLeave_1		fixed
	A_Segments Num_1		fixed
	A_Ber_1		fixed
	B_Modulation_1		fixed
	B_Code Rate_1		fixed
	B_Timer InterLeave_1		fixed
	B_Segments Num_1		fixed
	B_BER_1		fixed
	C_Modulation_1		fixed
	C_Code Rate_1		fixed
	C_Timer InterLeave_1		fixed
	C_Segments Num_1		fixed
	C_BER_1		fixed

■ Expert

Expert	Factory Name	Data	Range
	N / D ADJ	Off	Off / On / FIX
	SOURCE	...	fixed

■ ADC/WB

ADC/WB	Factory Name
	ADC
	ADC Target
	ADC RESULT
	WB

ADC	Factory Name	Data	Range
	AV Calibration	Success	Success / Failure
	Comp Calibration	Success	Success / Failure
	PC Calibration	Success	Success / Failure
	HDMI Calibration	Success	Success / Failure

ADC Target	Factory Name	Data	Range
	1st_AV_Low	64	0 ~ 1020
	1st_AV_High	880	0 ~ 1020
	1st_AV_Delta	2	0 ~ 7
	1st_COMP_Y_Low	64	0 ~ 1020
	1st_COMP_Cb_Low	...	
	1st_COMP_Cr_Low	...	
	1st_COMP_Y_High	940	0 ~ 1020
	1st_COMP_Cb_High	...	
	1st_COMP_Cr_High	...	
	1st_COMP_Delta	2	0~7
	1st_PC_R_Low	16	0 ~ 1020
	1st_PC_G_Low	...	
	1st_PC_B_Low	...	
	1st_PC_R_High	1004	0 ~ 1020
	1st_PC_G_High	...	
	1st_PC_B_High	...	
	1st_PC_Delta	2	0~7
	2nd_AV_R_Low	4	fixed
	2nd_AV_G_Low	4	fixed
	2nd_AV_B_Low	4	fixed
	2nd_AV_R_High	940	fixed
	2nd_AV_G_High	940	fixed

4. Troubleshooting

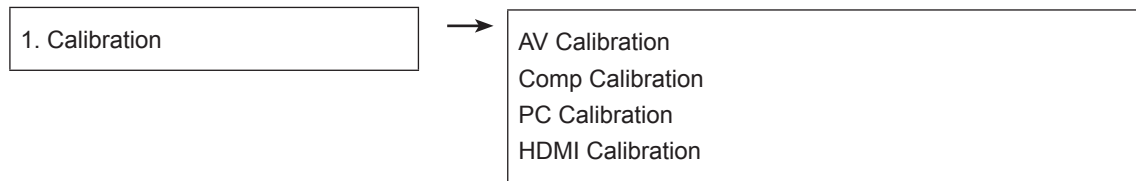
	2nd_AV_B_High	940	fixed
	2nd_AV_Delta	2	0~7
	2nd_COMP_R_Low	4	fixed
	2nd_COMP_G_Low	4	fixed
	2nd_COMP_B_Low	4	fixed
	2nd_COMP_R_High	940	fixed
	2nd_COMP_G_High	940	fixed
	2nd_COMP_B_High	940	fixed
	2nd_COMP_Delta	2	0~7
	2nd_PC_R_Low	4	fixed
	2nd_PC_G_Low	4	fixed
	2nd_PC_B_Low	4	fixed
	2nd_PC_R_High	940	fixed
	2nd_PC_G_High	940	fixed
	2nd_PC_B_High	940	fixed
	2nd_PC_Delta	2	0~7
	2nd_HDMI_R_Low	4	fixed
	2nd_HDMI_G_Low	4	fixed
	2nd_HDMI_B_Low	4	fixed
	2nd_HDMI_R_High	940	fixed
	2nd_HDMI_G_High	940	fixed
	2nd_HDMI_B_High	940	fixed
	2nd_HDMI_Delta	2	0~7

ADC RESULT	Factory Name	data	Range
	1st_Y_GH	0	fixed
	1st_Y_GL	0	fixed
	1st_Cb_BH	0	fixed
	1st_Cb_BL	0	fixed
	1st_Cr_RH	0	fixed
	1st_Cr_RL	0	fixed
	2nd_R_L	134	0 ~ 255
	2nd_G_L	134	0 ~ 255
	2nd_B_L	134	0 ~ 255
	2nd_R_H	49	0 ~ 255
	2nd_G_H	49	0 ~ 255
	2nd_B_H	49	0 ~ 255

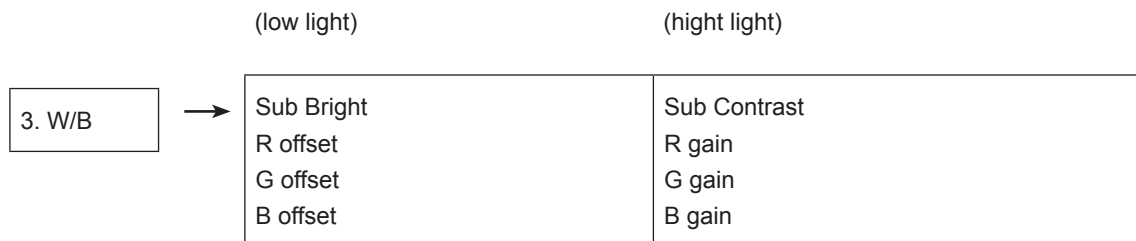
WB	Factory Name	Mode	Range
	Sub Brightness	128	0 ~ 255
	R_Offset	128	0 ~ 255
	G_Offset	128	0 ~ 255
	B_Offset	128	0 ~ 255
	Sub Contrast	128	0 ~ 255
	R_Gain	128	0 ~ 255
	G_Gain	128	0 ~ 255
	B_Gain	128	0 ~ 255
	Movie R Offset	122	0 ~ 255
	Movie B Offset	145	0 ~ 255
	Movie R Gain	156	0 ~ 255
	Movie B Gain	39	0 ~ 255

4-4. White Balance - Calibration

4-4-1 White Balance -Calibration



4-4-2 White Balance - Adjustment



(W/B adjustment Condition refer next page)

4-5. White Ratio (Balance) Adjustment

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

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

- Set Aging time : 60min ↑

- Calibration and Manual setting for WB adjustment.



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

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

P-Mode	Adjustment Coordinate				
		x	y	Y (Luminance)	T(K) + MPCD
CVBS (NTSC)	H/L	272	278	Sub_CT : 145(40")/160(46")	12,000 (±0)
	L/L	272	278	Sub_CT : 128(40",46")	12,000 (±0)
COMP (720P)	H/L	272	278	Sub_CT : 145(40")/160(46")	12,000 (±0)
	L/L	272	278	Sub_CT : 128(40",46")	12,000 (±0)
HDMI (720P)	H/L	272	278	Sub_CT : 145(40")/160(46")	12,000 (±0)
	L/L	272	278	Sub_CT : 128(40",46")	12,000 (±0)

- Adjustment Specification

White Balance : High light (±1), Low light (±3)

Luminance : High light (Don't care), Low light (±0.2 Ft/L)

4-6. Servicing Information

4-6-1 USB Download Method

Software Upgrade upgrades can be performed via broadcasting signal or by downloading the new firmware from samsung.com to a USB memory device.

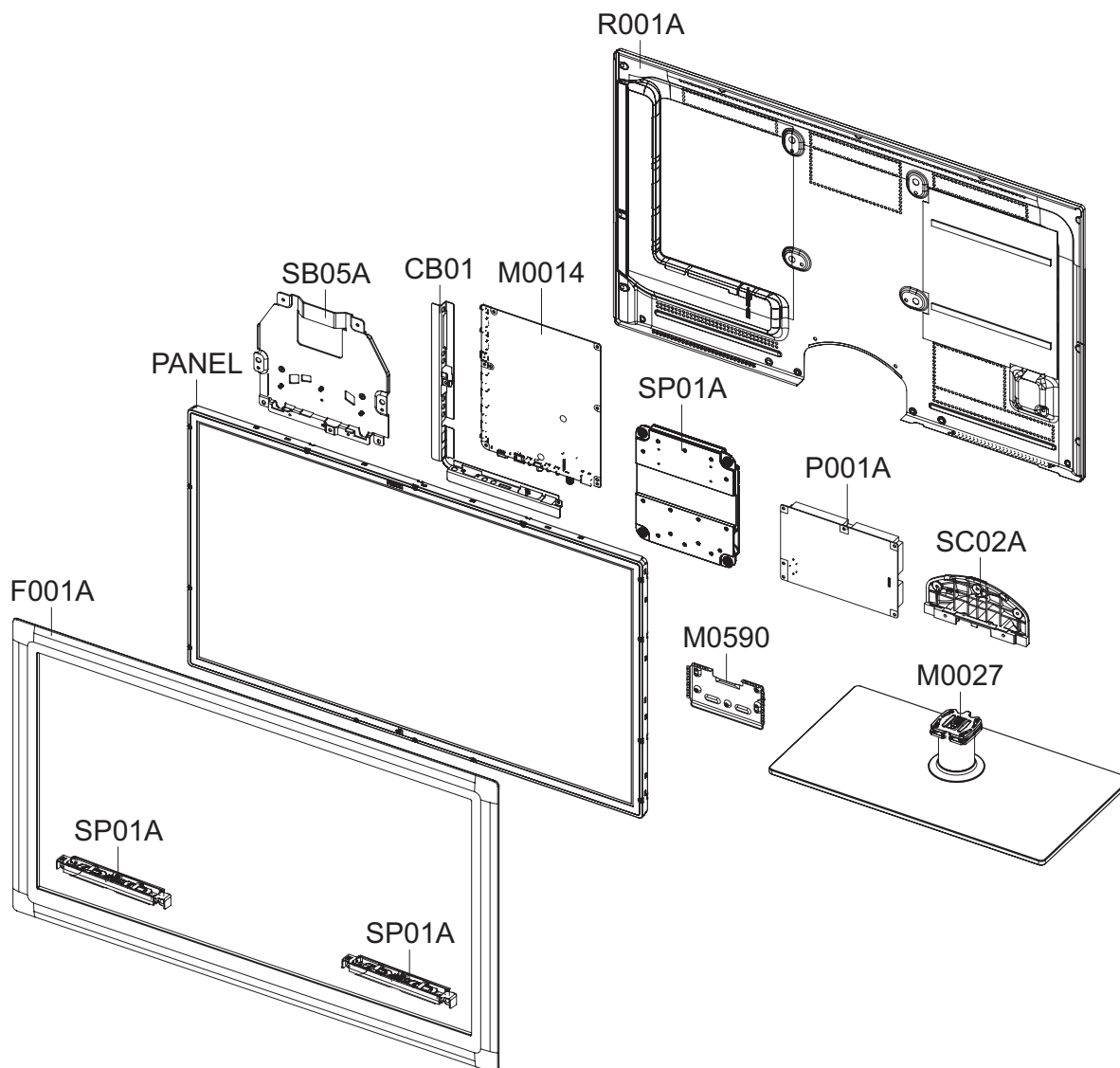
Current Version is the software already installed in the TV.

Note Software is represented as 'Year/Month/Day_Version'.
Installing the latest version is recommended.

- ▶ **By USB:** Insert a USB drive containing the firmware upgrade file downloaded from samsung.com into the TV. Please be careful not to disconnect the power or remove the USB drive until upgrades is complete. The TV will turn off and on automatically after completing the firmware upgrade. When software is upgraded, video and audio settings you have made will return to their default settings. We recommend you to write down your settings so that you can easily reset them after the upgrade.
- ▶ **By Online:** Upgrades the software using the Internet.
 - Note** First, configure your network.
For detailed procedures on using the Network Setup, refer to the 'Setting the Network' instructions.
 - Note** If the internet connection doesn't operate properly, the connection may be broken.
Please retry downloading. If the problem still happens, download by USB and upgrade.
- ▶ **Alternative Software (Backup):** If there is an issue with the new firmware and it is affecting operation, you can change the software to the previous version.
 - Note** If software was changed, existing software is displayed.

5. Exploded View & Part List

5-1. UN32C5000QM Exploded View



5-1-1. UN32C5000QM Parts List

Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
F001A	BN96-12885F	ASSY COVER P-FRONT;UC5000 32,PMMA(CLR)+P	1	SA	
SP01A	BN98-02397A	ASSY K/D-SPEAKER;BN96-12941A,SEDA,Brazil	1	SA	
PANEL	BN07-00849A	LCD-PANEL;T320FAE1-DB,CLL4BC1,8bits,32,1	1	SA	
M0590	BN81-04458A	A/S-T CON T320FAE1-DB;T320FAE1-DB	1	SA	
SB05A	BN96-12927B	ASSY BRACKET P-STAND LINK;UC4000 32,SECC	1	SNA	
CB01	BN61-04923Q	BRACKET-AV;UC5000 40",PCM,T0.5,BKN-P824,	1	SNA	
M0014	BN94-03320L	ASSY PCB MAIN;UN32C5000QMXZD	1	SA	
SP01A	BN98-02400B	ASSY K/D-SPEAKER;BN96-12944B	1	SA	
P001A	BN44-00351A	DC VSS-LED TV PD BD;PD37AF0E_ZSM,PSLF101	1	SA	
R001A	BN96-12912C	ASSY COVER P-REAR;UC5000/6000,BRAZIL,PCM	1	SA	
SC02A	BN96-13392E	ASSY COVER P-GUIDE STAND;UC4000,PC+ABS G	1	SA	
M0027	BN96-12930B	ASSY STAND P-BASE;UC5000 32,GLASS,T8.0,R	1	SA	

5-2. UN32C5000QM Parts List

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

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
			UN32C5000QMXZB			
0.1		BN90-02528G	ASSY COVER FRONT;UC5000 32	1	SNA	
..2	F001A	BN96-12885F	ASSY COVER P-FRONT;UC5000 32,PMMA(CLR)+P	1	SA	
...3	CIS1	0203-001598	TAPE-FILAMENT;#8915,0.15,12,55000,CLR	0.06	SNA	
...3		BN60-00162Y	SPACER-FOAM;FOAM,50000mm,Dark Gray,0.35T	1.98	SA	
...3	AB326	BN61-04661A	BRACKET-STOPPER;L650,SK-5,T0.4,Plating,H	2	SNA	
...3		BN61-06213A	BRACKET-STOPPER BOSS;C8K,SECC+SK5,T1.2	8	SNA	
...3		BN61-06215A	BRACKET-STOPPER PANEL;C8K,SK5,0.5T	1	SNA	
...3	CCM1	BN63-02183F	COVER-SHEET;RhcM,PE Vinyl,T0.04,900mm,20	0.74	SNA	
...3	CCM1	BN63-05199B	COVER-SHEET;AMBER,PE,T0.08,W65mm,200M,CL	2.4	SNA	
...3	F001	BN63-06603F	COVER-FRONT;UC5000 32,PMMA(CLR)+PMMA/ABS	1	SNA	
...3		BN96-13390A	ASSY HOLDER P-BOSS;UC4000 32,ABS,HB	1	SNA	
....4		BN61-04692A	BOSS-PRIMER;#94,clear,35cps	0.5	SNA	
....4		BN61-05915A	BOSS-TAPE;LB650 65",T1.1,W12.0mm,DARK GR	0.27	SNA	
....4		BN61-05915B	BOSS-TAPE;LB650 65",3M #4711,T1.1,W6.0mm	0.03	SNA	
....4		BN61-06236A	HOLDER-BOSS BOTTOM;UC6100 32inch,ABS,HB	1	SNA	
...3	SP01A	BN98-02397A	ASSY K/D-SPEAKER;BN96-12941A,SEDA,Brazil	1	SA	
....4		BN83-01520A	CKD-SPEAKER;LCD350 22inch Speaker label,	1	SNA	
....4		BN83-01656A	CKD-SPEAKER;speaker unit,90 x 15 x 13mm,	2	SNA	
....4		BN83-01657A	CKD-SPEAKER;Holder speaker,221 x 15 x 14	2	SNA	
....4		BN83-01658A	CKD-SPEAKER;Rubber Bushing,12.5 x 7.5 x	4	SNA	
....4		BN83-01659A	CKD-SPEAKER;Screw,M2.0 x 8.0mm	8	SNA	
....4		BN83-01660A	CKD-SPEAKER;Nonwoven-1,180 x 15 x 0.5mm	2	SNA	
....4		BN83-01661A	CKD-SPEAKER;Nonwoven-2,35 x 11 x 0.35mm	2	SNA	
....4		BN83-01662A	CKD-SPEAKER;Sponge Cushion,PU / 190 x 9.	4	SNA	
....4		BN83-01664A	CKD-SPEAKER;Wire,AWG 24, 4pin, L210 / R4	1	SNA	
...3	FB09A	BN98-02491B	ASSY K/D-BOARD P-TOUCH FUNCTION&IR;BN96-	1	SA	
....4	M0014	BN94-03501M	ASSY PCB MAIN;BN96-13047B	1	SNA	
.....5	EC13	BN39-01305A	LEAD CONNECTOR;UN32C5000QFXZA,Cable Conn	1	SA	
.....5		BN83-01786A	CKD-TAPE;C5000,CKD-TAPE	1	SNA	
.....5		BN97-04046S	ASSY SMD;NEW MODEL	1	SNA	
.....6		0403-001339	DIODE-ZENER;UDZS6.2B,6.06-6.33V,200mW,SO	2	SA	
.....6		0406-001253	DIODE-TVS;VESD05A1-02V,6.0/6.8/7.5V,SOD-	2	SNA	
.....6	L0405	0601-001915	LED;SMD,RED,1.6x0.8x0.6mm,660nm,1.6x0.8x	1	SA	
.....6	IS01A	1209-001890	IC-SENSOR;CT1N07B,MLF,24P,4x4mm,PLASTIC,	1	SA	
.....6	IS01A	1209-001929	IC-SENSOR;CT802FN,6P,2x2x0.65mm,PLASTIC,	1	SA	
.....6		1405-001233	VARISTOR;30Vdc,5A,1.6x0.8x0.8mm,TP	2	SA	
.....6	KAR21	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	3	SA	
.....6	CER02	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	2	SA	
.....6	AR30	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	2	SA	
.....6	RR2	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	3	SA	
.....6	FAR22	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	2	SNA	
.....6	AHR40	2007-000088	R-CHIP;7.5Kohm,5%,1/10W,TP,1608	2	SA	
.....6	MROP1	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
.....6	HDR7	2007-000139	R-CHIP;220ohm,5%,1/16W,TP,1005	4	SNA	
.....6	DR39	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SNA	
.....6	R320	2007-000458	R-CHIP;18Kohm,5%,1/10W,TP,1608	1	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
.....6	AC14	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,1608	2	SNA	
.....6	EC9	2203-005834	C-CER,CHIP;2200nF,+80-20%,10V,Y5V,3216	1	SA	
.....6	C236	2203-005918	C-CER,CHIP;1000nF,10%,6.3V,X7R,1608	1	SNA	
.....6	AD480	2203-006399	C-CER,CHIP;1000nF,10%,6.3V,X5R,1005	1	SA	
.....6	XE1	2402-001155	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	1	SA	
.....6	HB01A	3711-005499	HEADER-BOARD TO CABLE;BOX,8P,1R,1.25mm,S	1	SA	
.....6		BN41-01390A	PCB-TOUCH;UC5000,FR-4,2,1.6T,165.0 x 138	1	SNA	
.....6		0202-001477	SOLDER-CREAM;LST309-M,D20~45um,96.5Sn/3A	0.08	SNA	
.....6	D0254	0609-001346	MODULE REMOCON;SMD-H(R),5.9mm,0.590g	1	SNA	
...3	T0382	BP61-00495C	HOLDER-CARE;PJT,ACRYL-FOAM,T0.25,W30.0mm	0.17	SNA	
...3		BN61-06769A	BOSS-BOND;UC5000,Acrylated, 3276,Clear,A	0.7	SNA	
0.1	R001A	BN90-02550B	ASSY COVER REAR;UC5000 32	1	SNA	
..2	R001A	BN96-12912C	ASSY COVER P-REAR;UC5000/6000,BRAZIL,PCM	1	SA	
...3	M0006	BN63-06516A	COVER-REAR;UC6500 32inch,PCM,T0.5,BKN-P8	1	SNA	
...3		BN68-02543H	LABEL-TERMINAL BOTTOM;Rev.01 UC5000,ZD,P	1	SNA	
...3		BN68-02544K	LABEL-TERMINAL SIDE;Rev.01 UC5000,ZD,PET	1	SNA	
...3		BN96-12924A	ASSY MISC P-INSULATOR;UC6500 32,PC,T0.43	1	SNA	
...4	T0278	BN60-00122E	SPACER-SPONGE;UC6500,CR,L200,T2.0,W10	2	SNA	
...4		BN63-06629A	SHEET-INSULATOR SMPS;UC6100 32inch,PC,T0	1	SNA	
...3	T0069	AA63-60131R	SPACER-FELT;21Z57,FELT,325,T0.35,7	1	SNA	
...3		BN60-00162A	SPACER-FOAM;FOAM,50000L,BLK,0.35T,20W	0.73	SNA	
...3		BN60-00162Y	SPACER-FOAM;FOAM,50000mm,Dark Gray,0.35T	0.4	SA	
..2	T0081	6001-002610	SCREW-MACHINE;BH,+,M4,L6,ZPC(BLK),SWRCH1	7	SA	
..2	SCREW	6003-001782	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	11	SA	
0.1	S001A	BN90-02557F	ASSY STAND;UC5000 32	1	SNA	
..2	SC02A	BN96-13392E	ASSY COVER P-GUIDE STAND;UC4000,PC+ABS G	1	SA	
...3	T0524	6902-001048	BAG PE;LDPE,T0.05,W160,L300,TRP,4g	1	SNA	
...3	T0920	BN61-06220A	GUIDE-STAND;UC6500 32inch,PC,G/F 20%,V2,	1	SNA	
...3		BN96-12031M	ASSY ACCESSORY-SCREW;10 LEDTV(40/46/55),	1	SNA	
...4	M0081	6003-001003	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	5	SA	
...4		6902-000336	BAG ZIPPER;LDPE,T0.05,W70,L80,TRP,0.500g	1	SNA	
...3	M0081	6003-000133	SCREW-TAPTYPE;BH,+,S,M4,L8,ZPC(BLK),SW	5	SA	
...3		6902-000683	BAG ZIPPER;LDPE,T0.05,W60,L60,TRP,4-PE M	1	SNA	
..2	M0027	BN96-12930B	ASSY STAND P-BASE;UC5000 32,GLASS,T8.0,R	1	SA	
...3	M0081	6003-001003	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	6	SA	
...3		BN61-04692A	BOSS-PRIMER;#94,clear,35cps	0.1	SNA	
...3		BN61-04731C	BOSS-TAPE;AMBER,ACRYL,T1.1,W16.0mm,WHITE	0.29	SNA	
...3		BN61-05254A	HOLDER-SWIVEL RING BOTTOM;LB700 40,POM H	1	SNA	
...3		BN61-05653A	BRACKET-STAND BOTTOM;B650 32,SECC,T2.0	1	SNA	
...3		BN61-05826A	BOSS-BOND;#760,Poly urethane,Black	2.4	SNA	
...3	GSN01	BN61-05993A	GUIDE-STAND NECK;32,LC650,PETG,V2,TP0003	1	SNA	
...4		BN61-06078B	GUIDE-NECK-INSERT;LC650 32,PETG HB,TP000	1	SNA	
...3	T0527	BN68-01648B	LABEL WARNING;WW,PET,T0.05,40,25,EXPORT	1	SNA	
...3	M0126	BN73-00215A	RUBBER-FOOT;40LB650,RUBBER,15*25,60,4.0,	4	SNA	
...3	M0126	BN73-00217A	RUBBER-FOOT;LB650,RUBBER,DIA30,7.5,Dark	4	SNA	
...3		BN74-00031A	GREASE;kanto-kasei FL-955,grease,wht	0.4	SNA	
...3		BN63-05530D	COVER-STAND GLASS;32,LC650,GLASS,T8.0,2C	1	SNA	
...3	T0056	BN63-06908A	COVER-DECORATION;LB700 40,ABS+PMMA,HB,H/	1	SNA	
...3		BN61-04855C	BRACKET-SWIVEL BOTTOM;UC5000 32",SECC,T2	1	SNA	
0.1	M0017	BN91-04999L	ASSY CHASSIS;UN32C5000QMXZD	1	SNA	
..2	M0014	BN94-03320L	ASSY PCB MAIN;UN32C5000QMXZD	1	SA	

5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...3		0202-001608	SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0.	0.125	SNA	
...3		3711-007302	HEADER-BOARD TO BOARD;BOX,18P,2R,2mm,ANG	1	SA	
...3	JA330	3722-002844	JACK-PHONE;1/7P,NI,LAUREL-GREEN,ANGLE	1	SA	
...3	JA330	3722-002845	JACK-PHONE;1/7P,NI,YELLOW,ANGLE	2	SA	
...3	JA330	3722-002846	JACK-PHONE;1/6,NI,BLACK,ANGLE	3	SNA	
...3		3722-002849	JACK-MODULAR;8P/8C(ULTRA SLIM),YES,ANGLE	1	SNA	
...3	L-PQS	BH68-00424A	LABEL-MICOM;ALL,PAPER100G,60,30,WHITE	1	SNA	
...3	L-PQS	BH68-00424B	LABEL-MICOM;ALL,PAPER100G,60,20,WHITE	1	SNA	
...3	ET01	BN40-00166A	TUNER;DNVS223VH161A,ISDB-T,191CH,38.9MHz	1	SA	
...3		BN97-04044L	ASSY SMD;UN32C5000QM	1	SNA	
...4		0202-001477	SOLDER-CREAM;LST309-M,D20~45um,96.5Sn/3A	1.43	SNA	
...4	DS01A	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	21	SA	
...4		0403-001783	DIODE-ZENER;BZB84-C6V2,5.8/6.6V,300mW,SO	12	SNA	
...4	D0254	0404-001271	DIODE-SCHOTTKY;SSA34,40V,3000mA,SMA,TP	1	SA	
...4	D0254	0404-001404	DIODE-SCHOTTKY;BAT721C,40V,200mA,SOT-23,	1	SA	
...4	T0139	0406-001200	DIODE-TVS;RCLAMP0504F,6/-V,150W,SC-70	2	SA	
...4	T0139	0406-001271	DIODE-TVS;RCLAMP0524P,6/-V,150W,SLP251	9	SNA	
...4	SD3	0407-000114	DIODE-SWITCHING;KDS184,80V,100mA,SOT-23,	3	SNA	
...4	Q101	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	10	SA	
...4	CEQ2	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	7	SA	
...4	Q409	0505-002560	FET-SILICON;AO6415,P,-20V,-3.3A,0.15ohm,	1	SA	
...4	IC106	1001-001573	IC-VIDEO SWITCH;Sil9287BCNUTR,QFN,72P,10	1	SNA	
...4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8,SOP,8P,5x4mm	2	SA	
...4	IC112	1103-001385	IC-EEPROM;AT24C256,256Kbit,32Kx8,SOP,8P,	1	SA	
...4		1105-002058	IC-DDR2 SDRAM;K4T1G164QE-HCF8,DDR2,1Gbit	2	SA	
...4	T0085	1201-002849	IC-AUDIO AMP;DRV603,TSSOP,14P,5x4.4mm,DU	1	SA	
...4	T0124	1201-002993	IC-POWER AMP;TAS5715,HTQFP,48P,7x7mm,DUA	2	SA	
...4	T0087	1203-001815	IC-POSIFIXED REG.;78M09,TO-252,3P,PLAST	1	SA	
...4	T0087	1203-002835	IC-POSIFIXED REG.;KIA7805AF,DPAK,3P,6.6	1	SA	
...4	T0087	1203-002898	IC-POSIFIXED REG.;G950T45R,TO-252,3P,6.	1	SA	
...4		1203-004364	IC-VOL. DETECTOR;RT9818C-42PV,SOT-23,3P,	1	SA	
...4		1203-005559	IC-BACKLIGHT DRIVER;MP3302DJ,TSOT23,5P,2	1	SA	
...4		1203-006013	IC-DC/DC CONVERTER;AOZ1031AI,SO-8,8P,4.9	1	SA	
...4		1203-006017	IC-VOL. DETECTOR;RT9824GJ8,TSOT23,8P,2.9	1	SA	
...4	T0087	1203-006135	IC-POSIFIXED REG.;AP1117D-33-GZ-13-89,T	1	SA	
...4	T0087	1203-006136	IC-POSIFIXED REG.;AP1117D-18-GZ-13-89,T	1	SA	
...4	IC012	1203-006138	IC-POSIFIXED REG.;AP1117DGZ-13-89,TO-2	1	SA	
...4		1204-003096	IC-VIDEO DECODER;HIDTVPRO-SX,PBGA,580P,P	1	SA	
...4		1204-003117	IC-AUDIO PROCESSOR;MSP3455G,PMQFP,44P,13	1	SA	
...4		1205-003201	IC-BUS SWITCH;TC7WB125FK,SSOP,8P,2x2.3mm	2	SA	
...4		1205-003733	IC-SWITCH;AP2191MPG-13,MSOP-8L-EP,8P,2.9	1	SA	
...4		1205-003735	IC-SWITCH;AP2151WG-7,SOT25,5P,2.9x1.6mm,	1	SA	
...4		1405-001185	VARISTOR;24Vdc,1.6x0.8x0.36mm,TP	1	SA	
...4		1405-001233	VARISTOR;30Vdc,5A,1.6x0.8x0.8mm,TP	2	SA	
...4		1405-001271	VARISTOR;20Vdc,5A,1.0x0.5x0.6mm,TP	23	SA	
...4	ZR24	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	SA	
...4	R105	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	30	SA	
...4	AR49	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	4	SNA	
...4	MR306	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	9	SNA	
...4	R319	2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	54	SNA	
...4		2007-000146	R-CHIP;6.8Kohm,5%,1/16W,TP,1005	2	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	R104	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	37	SA	
....4	R102	2007-000149	R-CHIP;12Kohm,5%,1/16W,TP,1005	8	SA	
....4	MR36	2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	5	SNA	
....4	AR43	2007-000155	R-CHIP;27Kohm,5%,1/16W,TP,1005	2	SNA	
....4	MR13	2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	6	SNA	
....4	R123	2007-000159	R-CHIP;56Kohm,5%,1/16W,TP,1005	1	SNA	
....4	DR39	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	2	SNA	
....4	MR16	2007-000168	R-CHIP;470Kohm,5%,1/16W,TP,1005	1	SA	
....4	R111	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	19	SNA	
....4	HDR17	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	12	SNA	
....4	R338	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	10	SNA	
....4	MR9	2007-000455	R-CHIP;18Kohm,1%,1/10W,TP,1608	3	SA	
....4	ER13	2007-000669	R-CHIP;2Kohm,1%,1/10W,TP,1608	1	SNA	
....4		2007-000755	R-CHIP;330Kohm,1%,1/10W,TP,1608	1	SA	
....4	R124	2007-000775	R-CHIP;33Kohm,5%,1/16W,TP,1005	3	SNA	
....4	DR37	2007-000932	R-CHIP;470ohm,5%,1/16W,TP,1005	8	SNA	
....4	AAR20	2007-001002	R-CHIP;510ohm,5%,1/10W,TP,1608	3	SNA	
....4	OTR1	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	12	SNA	
....4	R326	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	11	SNA	
....4	MR316	2007-002796	R-CHIP;510ohm,5%,1/16W,TP,1005	2	SNA	
....4	TR30	2007-007009	R-CHIP;75ohm,5%,1/16W,TP,1005	3	SNA	
....4	R365	2007-007107	R-CHIP;100Kohm,1%,1/16W,TP,1005	2	SNA	
....4		2007-007134	R-CHIP;39Kohm,1%,1/16W,TP,1005	1	SA	
....4	DR4	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	4	SNA	
....4		2007-007156	R-CHIP;1ohm,5%,1/16W,TP,1005	6	SNA	
....4		2007-007312	R-CHIP;20Kohm,1%,1/16W,TP,1005	2	SA	
....4		2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	11	SNA	
....4	MR11	2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	14	SNA	
....4		2007-008134	R-CHIP;12.4Kohm,1%,1/16W,TP,1005	1	SC	
....4		2007-008298	R-CHIP;49.9ohm,1%,1/16W,TP,1005	4	SA	
....4		2011-001449	R-NETWORK;22ohm,5%,1/16W,L,4P,TP,1010	5	SA	
....4		2011-001527	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,4P,TP,	3	SNA	
....4		2011-001589	R-NETWORK;0ohm,5%,1/16W,L,CHIP-V,4P,TP,1	16	SNA	
....4	AC1	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608,-	6	SA	
....4	C4N08	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	3	SNA	
....4	PC43	2203-000233	C-CER,CHIP;0.1nF,5%,50V,C0G,TP,1005	7	SA	
....4	C258	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA	
....4	RC34	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	2	SA	
....4	MC302	2203-000425	C-CER,CHIP;.018nF,5%,50V,C0G,TP,1005	3	SA	
....4	C254	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,TP,1005	7	SA	
....4	C507	2203-000489	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1005	3	SA	
....4	V1233	2203-000575	C-CER,CHIP;220nF,10%,25V,X7R,TP,2012	9	SNA	
....4	ZC14	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	2	SNA	
....4	DC25	2203-000812	C-CER,CHIP;.033nF,5%,50V,C0G,1005	9	SA	
....4	CK40B	2203-000838	C-CER,CHIP;0.39NF,5%,50V,C0G,TP,1608	1	SNA	
....4	AC124	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	2	SNA	
....4	HDC5	2203-001072	C-CER,CHIP;0.056nF,5%,50V,NP0,1005	2	SA	
....4	AD480	2203-001428	C-CER,CHIP;470nF,10%,50V,X7R,TP,2012	2	SNA	
....4	C637	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	3	SNA	
....4	AD480	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	16	SNA	
....4	AD480	2203-002525	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1005	8	SNA	

5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	AD480	2203-005052	C-CER,CHIP;0.0033nF,0.25pF,50V,NP0,1005	2	SA	
....4	AC611	2203-005194	C-CER,CHIP;.22nF,10%,50V,X7R,TP,1608	1	SA	
....4	AAC1	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608	20	SNA	
....4	AD480	2203-005511	C-CER,CHIP;27nF,10%,10V,X7R,TP,1005	1	SA	
....4	AD480	2203-005968	C-CER,CHIP;4.7NF,10%,50V,X7R,TP,1005	4	SNA	
....4	AD480	2203-006039	C-CER,CHIP;1nF,10%,2000V,X7R,3216	2	SA	
....4	AD480	2203-006126	C-CER,CHIP;47nF,10%,16V,X7R,1005	4	SNA	
....4	PC11	2203-006141	C-CER,CHIP;1000nF,10%,16V,X5R,1608	6	SNA	
....4	C102	2203-006158	C-CER,CHIP;100nF,10%,16V,X7R,1005	113	SNA	
....4	JC10	2203-006324	C-CER,CHIP;2200nF,10%,10V,X5R,1608	2	SA	
....4	AD480	2203-006336	C-CER,CHIP;10000nF,10%,25V,X5R,3216	23	SA	
....4	C125	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,TP,2012	50	SC	
....4	C234	2203-006378	C-CER,CHIP;4700nF,10%,6.3V,X5R,TP,1608	1	SNA	
....4	HE4	2203-006474	C-CER,CHIP;22000nF,20%,6.3V,X5R,2012	2	SA	
....4	HDC11	2203-006562	C-CER,CHIP;1000nF,10%,10V,X5R,TP,1005	20	SNA	
....4	AD480	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,TP,1005	2	SNA	
....4	AD480	2203-007176	C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012	2	SNA	
....4		2601-001056	TRANS-SMD,PULSE;350UH,-,1:1,1:1,12.7X6.7	1	SA	
....4	T0052	2703-000158	INDUCTOR-SMD;1uH,10%,2012	11	SA	
....4	VL6	2703-000398	INDUCTOR-SMD;10uH,10%,3225	8	SA	
....4	T0052	2703-001239	INDUCTOR-SMD;3.3uH,10%,1608	2	SA	
....4	T0052	2703-003149	INDUCTOR-SMD;2.2uH,20%,5050	2	SA	
....4	T0052	2703-003150	INDUCTOR-SMD;4.7uH,20%,5050	4	SNA	
....4	T0052	2703-003790	INDUCTOR-SMD;4.7uH,20%,8080	2	SA	
....4	X202	2801-003326	CRYSTAL-SMD;24MHz,30ppm,28-ABX,20pF,50oh	1	SA	
....4	X202	2801-004300	CRYSTAL-SMD;18.432MHz,30ppm,28-ABX,13pF,	1	SA	
....4	F103	2901-001506	FILTER-EMI SMD;5V,0.13A,0pF,2x1x0.5mm,TP	2	SA	
....4	T0568	3301-002039	BEAD-SMD;26ohm,1608,TP	50	SA	
....4	T0313	3404-001207	SWITCH-TACT;12V,50mA,160gf,6.2X6.2,SPST	1	SA	
....4		3701-001293	CONNECTOR-HDMI;19P,2R,FEMALE,SMD-A,AU	4	SA	
....4	AC510	3708-002797	CONNECTOR-FPC/FFC/PIC;51P,0.50mm,SMD,AU,	1	SA	
....4	CON_US	3711-005616	HEADER-BOARD TO CABLE;BOX,10P,1R,2mm,SMD	1	SNA	
....4	HB01A	3711-007336	HEADER-BOARD TO CABLE;BOX,4P,1R,2.5mm,SM	2	SA	
....4	D0254	0402-000553	DIODE-SCHOTTKY;SS24/B240,40V,2000mA,DO-2	2	SA	
....4		0403-001164	DIODE-ZENER;MMSZ5232B,5.32-5.88V,500MW,S	1	SA	
....4		2007-001285	R-CHIP;5.6ohm,5%,1/16W,TP,1005	4	SA	
....4		2007-007316	R-CHIP;3.3Kohm,1%,1/16W,TP,1005	1	SNA	
....4		2007-007334	R-CHIP;200Kohm,1%,1/16W,TP,1005	4	SNA	
....4		2007-008593	R-CHIP;750ohm,1%,1/16W,TP,1005	1	SA	
....4	CN906	3707-001095	CONNECTOR-OPTICAL;SMD-A(Ultra Slim),SPDI	1	SA	
....4		3722-003044	JACK-USB;4P/1C,NI,BLK,SMD-A,A-TYPE	2	SA	
....4		1203-006288	IC-VOL. DETECTOR;RT9818B-18GV,SOT-23-3,3	1	SA	
....4	AD480	2203-001428	C-CER,CHIP;470nF,10%,50V,X7R,TP,2012	1	SNA	
....4	AD480	2203-007270	C-CER,CHIP;10000nF,10%,10V,X5R,TP,1608	3	SNA	
....4		BN97-04266A	ASSY MICOM-MAIN;T-TDT5IBRC-1008.0,2010.0	1	SNA	
....5		1107-001818	IC-NAND FLASH;KFG1G16U2C-DIB6,1024Mbit,6	1	SNA	
....4		BN97-04267A	ASSY MICOM-SUB;T-TDT5AUSS-6004,2010.05.0	1	SNA	
....5	IC115	1107-001580	IC-FLASH MEMORY;MX25L4005,4Mbit,512Kx8,S	1	SNA	
....4		0403-000489	DIODE-ZENER;MMSZ5228B,5%,500MW,SOD-123,T	1	SA	
....4	T0596	0904-002554	IC-USC;AU6256-JBF,QFN,28P,5x5mm,12MHz,TP	1	SA	
....4		1203-005538	IC-DC/DC CONVERTER;AOZ1021HAIL,SOP,8P,4.	1	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...4	RZ07	2007-000156	R-CHIP;30Kohm,5%,1/16W,TP,1005	2	SA	
...4	HR3	2007-000903	R-CHIP;430ohm,1%,1/10W,TP,1608	1	SNA	
...4		2007-001317	R-CHIP;910ohm,5%,1/16W,TP,1005	1	SNA	
...4		2007-002768	R-CHIP;6.2Kohm,1%,1/10W,TP,1608	1	SA	
...4		2007-007135	R-CHIP;18Kohm,1%,1/16W,TP,1005	1	SNA	
...4		2007-007317	R-CHIP;2.2Kohm,1%,1/16W,TP,1005	1	SA	
...4		2007-008275	R-CHIP;30Kohm,1%,1/16W,TP,1005	1	SNA	
...4	DC87	2203-001153	C-CER,CHIP;.068nF,5%,50V,NP0,1005	2	SA	
...4	C711	2203-002982	C-CER,CHIP;6.8nF,10%,50V,X7R,1005	1	SA	
...4	AD480	2203-006824	C-CER,CHIP;4700nF,10%,10V,X5R,1608	1	SNA	
...4	AD480	2203-006841	C-CER,CHIP;1000nF,10%,16V,X5R,1005	2	SNA	
...4	T0052	2703-002268	INDUCTOR-SMD;8.2nH,5%,1005	4	SNA	
...4	X202	2801-004775	CRYSTAL-SMD;12MHz,30ppm,16pF,30ohm,TP	1	SNA	
...4	L1103	2703-000403	INDUCTOR-SMD;22uH,10%,3225	1	SA	
...4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	2	SA	
...4		BN41-01391B	PCB MAIN;UC5000,FR-4,4,1.2T,192*240,2	1	SNA	
...4		1203-006337	IC-POS.FIXED REG.;G9091-330T11U,SOT-23-	1	SA	
...3		3701-001698	CONNECTOR-DSUB;15P,3ROW,FEMALE,ANGLE,NI	1	SA	
...3	CB01	BN61-04923Q	BRACKET-AV;UC5000 40",PCM,T0.5,BKN-P824,	1	SNA	
...3	T0066	BN62-00040A	HEAT SINK-ES;SAPPHIRE,T2.0,36*36*6.6,BLK	1	SNA	
...3	T0066	BP62-00047A	HEAT SINK-ES;DLP,A6063S,T2.5,13,13,TAPE	2	SNA	
...3		0202-001557	SOLDER-CREAM;LST57-A,D38-63,42SN/57BI/1A	5	SNA	
...3	M0131	BN63-03264A	GASKET;LS27HUB(HUBBLE 27"),Fabric Gasket	1	SNA	
...3	T0562	6046-001015	STAND OFF;#4-40,L5,Ni PLT,C3601,M3	2	SNA	
0.1		BN91-05200A	ASSY LCD;BN07-00849A	1	SNA	
..2	PANEL	BN07-00849A	LCD-PANEL;T320FAE1-DB,CLL4BC1,8bits,32,1	1	SA	
...3	M0590	BN81-04458A	A/S-T CON T320FAE1-DB;T320FAE1-DB	1	SA	
0.1		BN91-05373J	ASSY SHIELD;NEW MODEL	1	SNA	
..2	T0081	6001-000115	SCREW-MACHINE;BH,+, -,M3,L10,ZPC(WHT),SWR	2	SNA	
..2	T0081	6001-002283	SCREW-MACHINE;BH,+,M3,L5,ZPC(WHT),SWRCH1	8	SNA	
..2	P001A	BN44-00351A	DC VSS-LED TV PD BD;PD37AF0E_ZSM,PSLF101	1	SA	
..2	FL06	BN96-13171J	ASSY CABLE P-FFC;UA32C5000QR,FFC,0.5mm,2	1	SA	
..2	CIS1	0203-001586	TAPE-FILAMENT;#893,0.15,25,55	0.5	SNA	
..2		BN73-00272A	SILICON/RUBBER-GAPPAD;UE46B7700,SILICON+	1	SNA	
..2	T0081	6001-002610	SCREW-MACHINE;BH,+,M4,L6,ZPC(BLK),SWRCH1	4	SA	
..2	SCREW	6003-001782	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	1	SA	
..2	M2893	BN39-01267C	LEAD CONNECTOR;LE37B530,UL 2651 AWG#26,1	1	SA	
..2	SP01A	BN98-02400B	ASSY K/D-SPEAKER;BN96-12944B	1	SA	
...3		BN83-01520A	CKD-SPEAKER;LCD350 22inch Speaker label,	1	SNA	
...3		BN83-01667A	CKD-SPEAKER;Rubber Bushing,NBR / 14.5 x	4	SNA	
...3		BN83-01668A	CKD-SPEAKER;Screw,M2.6 x 6.0mm	4	SNA	
...3		BN83-01669A	CKD-SPEAKER;Cushion-1,Nonwoven / 91 / x3	1	SNA	
...3		BN83-01670A	CKD-SPEAKER;Cushion-2,E.V.A / 80 x 10 x1	6	SNA	
...3		BN83-01671A	CKD-SPEAKER;Nonwoven,Nonwoven / 50 x 11	2	SNA	
...3		BN83-01678A	CKD-SPEAKER;Spk unit,90 x 30 x8.8mm / 4o	1	SNA	
...3		BN83-01679A	CKD-SPEAKER;Holder speaker,190 x160 x13m	1	SNA	
...3		BN83-01680A	CKD-SPEAKER;Cushion-3,EVA / 10 x 10 x 1.	2	SNA	
...3		BN83-01813A	CKD-SPEAKER;Holder speaker Bottom,190 x	1	SNA	
...3		BN83-01848A	CKD-SPEAKER;Wire,120mm	1	SNA	
..2	SB05A	BN96-12927B	ASSY BRACKET P-STAND LINK;UC4000 32,SECC	1	SNA	
...3		BN60-00184A	SPACER-FOAM;FOAM,30000mm,DARK GRAY,1T,30	0.12	SNA	

5. Exploded View & Part List

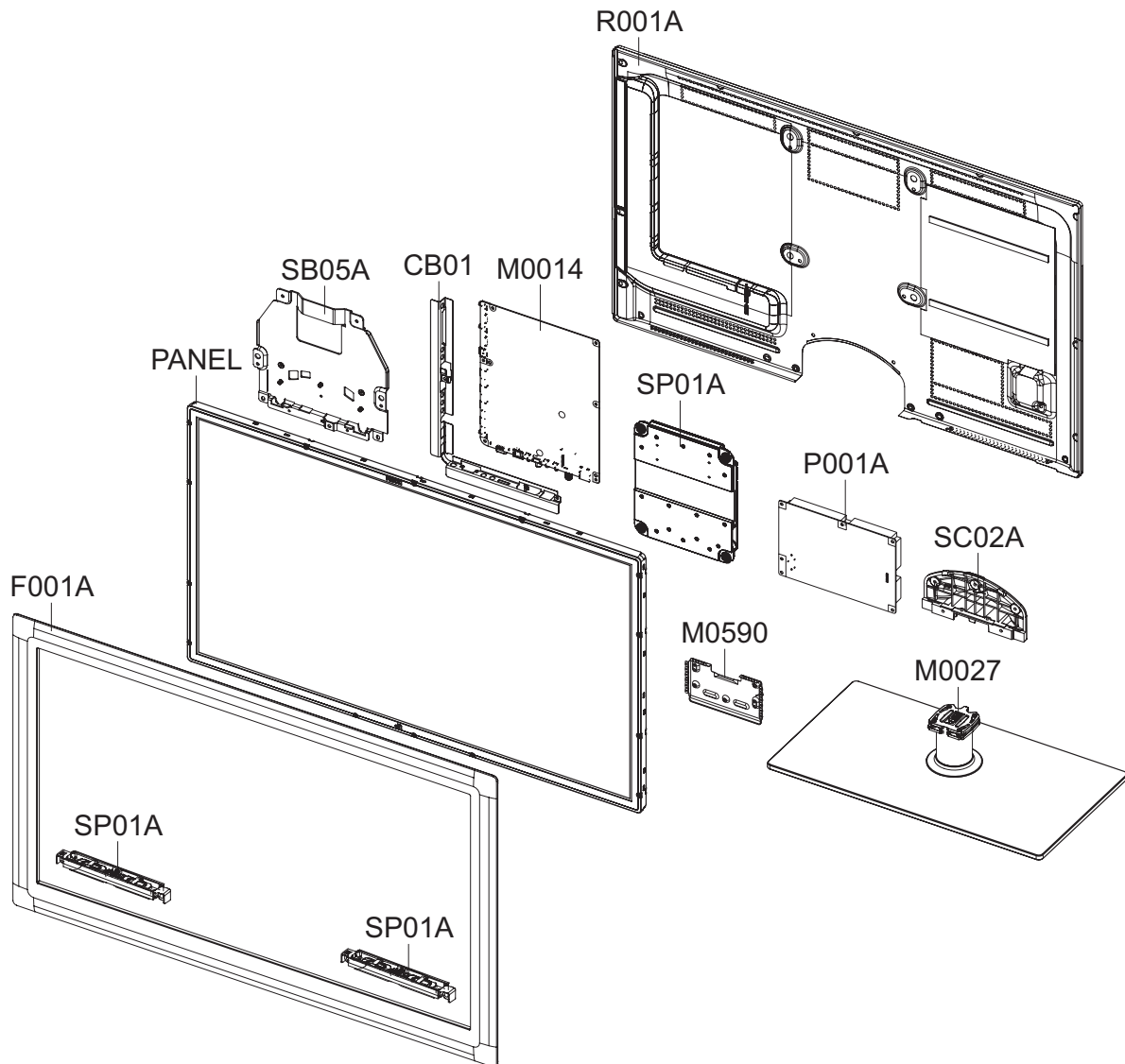
Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...3		BN61-02932G	BRACKET-STOPPER NUT;LED TV,M4,D6,L6.5,BR	3	SNA	
...3		BN61-02932H	BRACKET-STOPPER NUT;LED-TV,M4,D6,L5.0,BL	2	SNA	
...3	M0115	BN61-06163A	BRACKET-STAND LINK;UC6500 32inch,SECC,T2	1	SNA	
0.1		BN92-05577U	ASSY BOX;UC5000 32	1	SNA	
..2		AH68-00509A	LABEL BAR CODE;YP-NDP32SK,TETRON,0.15T,5	1	SNA	
..2	T0527	BH68-20408B	LABEL-05,BOX ARGENTINA;ARGENTINA ALL,XBG	1	SNA	
..2		BN69-04758C	BOX-01,SET;32UC5000-GS,CB,A-01,SW2,YEL,W	2	SNA	
0.1		BN92-05599A	ASSY P/MATERIAL;UC5000 32	1	SNA	
..2	P-CASE	0203-001228	TAPE-OPP MASKING;373,T0.066,W72,L914000,	2.26	SNA	
..2	T0524	6902-000358	BAG PE;HDPE/NITRON,T0.015/T0.5,W900,L700	1	SNA	
..2	T0246	BN69-04589A	CUSHION-SET;UC5000 32inch,EPS,M65	1	SNA	
..2		6902-000622	BAG SHEET;HDPE/NITRON,T0.015/T1.0,W1000,	1	SNA	
0.1		BN92-06249N	ASSY LABEL;NEW MODEL	1	SNA	
..2	T0527	AA68-03752B	LABEL-STICKER;WW,ALL,Art Paper(90g),25,3	1	SNA	
..2		BN68-02599F	LABEL-01,LED POP;U5000(46/40/37/32),PET,	1	SNA	
..2	T0527	BP68-00052B	LABEL-00,RATING;CCTV,TETRON PAPER,T0.05,	1	SNA	
0.1	ACCE1	BN92-06310S	ASSY ACCESSORY;NEW MODEL	1	SNA	
..2	ACCE2	BN96-14691W	ASSY ACCESSORY-CABLE;NEW MODEL	1	SNA	
...3	EC11	3903-000533	CBF-POWER CORD;DT,Argentina,LP-16L,250V,	1	SA	
...3	M0114	BN39-01154C	CBF SIGNAL;Chelsea Slim, STEREO Plug to	1	SA	
...3	M0114	BN39-01154G	CBF SIGNAL;UN40B7000WMXZD,1P/1P*2,30AWG,	1	SA	
...3	M0114	BN39-01154H	CBF SIGNAL;UE40B7000WWXXC,RCA 3PIN,30AWG	2	SA	
...3	M0114	BN61-05373A	HOLDER-WIRE;LB7000 46,NYRON	2	SNA	
...3	M9889	BN63-01798B	CLOTH-CLEAN;cloth,180,200,sea blue,ToC	1	SA	
...3	T0531	BN63-06542A	COVER-BOTTOM;UC6500 32,HIPS,HB,BK0020	1	SA	
...3	EH03A	BN96-10276B	ASSY HOLDER P-RING;09 LEDTV ALL MODEL,AB	1	SA	
....4		6902-000683	BAG ZIPPER;LDPE,T0.05,W60,L60,TRP,4-PE M	1	SNA	
....4	AH365	BN61-05280A	HOLDER-RING;LB7000 46inch,ABS, HB,gray	4	SNA	
...3		BN96-12031D	ASSY ACCESSORY-SCREW;09 LEDTV(40/46/55),	1	SNA	
....4	M0081	6003-000133	SCREW-TAPTYPE;BH,+,-,S,M4,L8,ZPC(BLK),SW	1	SA	
....4		6902-000336	BAG ZIPPER;LDPE,T0.05,W70,L80,TRP,0.500g	1	SNA	
...3		BN96-14099A	ASSY ACCESSORY-CLAMP;10 LEDTV(40/46/55),	1	SNA	
....4		AA65-30023A	CLAMPER CORE-CABLE;NYLON-66,BLK	1	SA	
....4		6902-000336	BAG ZIPPER;LDPE,T0.05,W70,L80,TRP,0.500g	1	SNA	
...3	REMO2	BN98-02497A	ASSY K/D-REMOCON;BN59-01020A	1	SA	
....4	M0014	BN94-03320V	ASSY PCB MAIN;BN59-01020A	1	SNA	
.....5		BN83-01770A	CKD-RUBBER KEY PAD;SILICONE 49 KEY	1	SNA	
.....5		BN83-01771A	CKD-COMMON SPRING;NICO SUS 0.5	1	SNA	
.....5		BN97-04044V	ASSY SMD;BN59-01020A	1	SNA	
.....6		BN83-01774A	CKD-IC-MCU;GC49C501G3	1	SNA	
.....6		BN83-01775A	CKD-PCB;TM1060,1050-RMXXX, REV:00	1	SNA	
.....6		BN83-01777A	CKD-CHIP-CAPACITOR;0603/Y5V/+80~-20%/25V	1	SNA	
.....6		BN83-01778A	CKD-TANTALUM-CAPACITOR;3216 SIZE / 6.3V	1	SNA	
.....6		BN83-01779A	CKD-TACT-SWITCH;ST-1187	1	SNA	
.....6		0202-001477	SOLDER-CREAM;LST309-M,D20~45um,96.5Sn/3A	0.08	SNA	
.....5		0202-001608	SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0.	0.3	SNA	
.....5	L0405	BN83-01257A	CKD-IR-LED;SI-5312H	1	SNA	
.....5		BN83-01772A	CKD-SPRING-REMOCON(+);NICO SUS 0.5	1	SNA	
.....5		BN83-01773A	CKD-SPRING-REMOCON(-);NICO SUS 0.5	1	SNA	
.....5	PE-RMC	AC69-30137A	BAG PE;LDPE,T0.08,80,270,WHT,-,-,-	1	SNA	
.....5	T001	BN63-06810A	COVER-TOP;TM1050,ABS+PMMA,HB,BLK	1	SNA	

5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
.....5	RS01	BN63-06813A	COVER-REAR SUB;TM1050,ABS,HB,BLK	1	SNA	
.....5	FK12	BN64-01350A	KNOB-ENTER;TM1050,ABS,HB,BLK	1	SNA	
.....5	AK265	BN64-01349A	KNOB-NAVIGATION;TM1050,ABS,HB,BLK	1	SNA	
.....5	RB01	BN63-06812A	COVER-BOTTOM;TM1050,ABS,HB,BLK	1	SNA	
..2		BN96-14729Z	ASSY ACCESSORY-MANUAL;NEW MODEL	1	SNA	
...3	PE BAG	6902-000009	BAG PE;HDPE,T0.03,W240,L400,TRP,8,2,-,5.	1	SNA	
...3		BN68-02768C	MANUAL USERS-IB;Comm,Samsung,Eng/Spa,Arg	1	SNA	
...3		BN81-02301A	A/S-LABEL-E PASS;SEDA,ART PAPER,W42,L12,	1	SNA	

5. Exploded View & Part List

5-1. UN32C5000QM Exploded View



5-1-1. UN32C5000QM Parts List

Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
F001A	BN96-12885F	ASSY COVER P-FRONT;UC5000 32,PMMA(CLR)+P	1	SA	
SP01A	BN98-02397A	ASSY K/D-SPEAKER;BN96-12941A,SEDA,Brazil	1	SA	
PANEL	BN07-00849A	LCD-PANEL;T320FAE1-DB,CLL4BC1,8bits,32,1	1	SA	
M0590	BN81-04458A	A/S-T CON T320FAE1-DB;T320FAE1-DB	1	SA	
SB05A	BN96-12927B	ASSY BRACKET P-STAND LINK;UC4000 32,SECC	1	SNA	
CB01	BN61-04923Q	BRACKET-AV;UC5000 40",PCM,T0.5,BKN-P824,	1	SNA	
M0014	BN94-03320L	ASSY PCB MAIN;UN32C5000QMXZD	1	SA	
SP01A	BN98-02400B	ASSY K/D-SPEAKER;BN96-12944B	1	SA	
P001A	BN44-00351A	DC VSS-LED TV PD BD;PD37AF0E_ZSM,PSLF101	1	SA	
R001A	BN96-12912C	ASSY COVER P-REAR;UC5000/6000,BRAZIL,PCM	1	SA	
SC02A	BN96-13392E	ASSY COVER P-GUIDE STAND;UC4000,PC+ABS G	1	SA	
M0027	BN96-12930B	ASSY STAND P-BASE;UC5000 32,GLASS,T8.0,R	1	SA	

5-2. UN32C5000QM Parts List

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

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
			UN32C5000QMXZB			
0.1		BN90-02528G	ASSY COVER FRONT;UC5000 32	1	SNA	
..2	F001A	BN96-12885F	ASSY COVER P-FRONT;UC5000 32,PMMA(CLR)+P	1	SA	
...3	CIS1	0203-001598	TAPE-FILAMENT;#8915,0.15,12,55000,CLR	0.06	SNA	
...3		BN60-00162Y	SPACER-FOAM;FOAM,50000mm,Dark Gray,0.35T	1.98	SA	
...3	AB326	BN61-04661A	BRACKET-STOPPER;L650,SK-5,T0.4,Plating,H	2	SNA	
...3		BN61-06213A	BRACKET-STOPPER BOSS;C8K,SECC+SK5,T1.2	8	SNA	
...3		BN61-06215A	BRACKET-STOPPER PANEL;C8K,SK5,0.5T	1	SNA	
...3	CCM1	BN63-02183F	COVER-SHEET;RhcM,PE Vinyl,T0.04,900mm,20	0.74	SNA	
...3	CCM1	BN63-05199B	COVER-SHEET;AMBER,PE,T0.08,W65mm,200M,CL	2.4	SNA	
...3	F001	BN63-06603F	COVER-FRONT;UC5000 32,PMMA(CLR)+PMMA/ABS	1	SNA	
...3		BN96-13390A	ASSY HOLDER P-BOSS;UC4000 32,ABS,HB	1	SNA	
....4		BN61-04692A	BOSS-PRIMER;#94,clear,35cps	0.5	SNA	
....4		BN61-05915A	BOSS-TAPE;LB650 65",T1.1,W12.0mm,DARK GR	0.27	SNA	
....4		BN61-05915B	BOSS-TAPE;LB650 65",3M #4711,T1.1,W6.0mm	0.03	SNA	
....4		BN61-06236A	HOLDER-BOSS BOTTOM;UC6100 32inch,ABS,HB	1	SNA	
...3	SP01A	BN98-02397A	ASSY K/D-SPEAKER;BN96-12941A,SEDA,Brazil	1	SA	
....4		BN83-01520A	CKD-SPEAKER;LCD350 22inch Speaker label,	1	SNA	
....4		BN83-01656A	CKD-SPEAKER;speaker unit,90 x 15 x 13mm,	2	SNA	
....4		BN83-01657A	CKD-SPEAKER;Holder speaker,221 x 15 x 14	2	SNA	
....4		BN83-01658A	CKD-SPEAKER;Rubber Bushing,12.5 x 7.5 x	4	SNA	
....4		BN83-01659A	CKD-SPEAKER;Screw,M2.0 x 8.0mm	8	SNA	
....4		BN83-01660A	CKD-SPEAKER;Nonwoven-1,180 x 15 x 0.5mm	2	SNA	
....4		BN83-01661A	CKD-SPEAKER;Nonwoven-2,35 x 11 x 0.35mm	2	SNA	
....4		BN83-01662A	CKD-SPEAKER;Sponge Cushion,PU / 190 x 9.	4	SNA	
....4		BN83-01664A	CKD-SPEAKER;Wire,AWG 24, 4pin, L210 / R4	1	SNA	
...3	FB09A	BN98-02491B	ASSY K/D-BOARD P-TOUCH FUNCTION&IR;BN96-	1	SA	
....4	M0014	BN94-03501M	ASSY PCB MAIN;BN96-13047B	1	SNA	
.....5	EC13	BN39-01305A	LEAD CONNECTOR;UN32C5000QFXZA,Cable Conn	1	SA	
.....5		BN83-01786A	CKD-TAPE;C5000,CKD-TAPE	1	SNA	
.....5		BN97-04046S	ASSY SMD;NEW MODEL	1	SNA	
.....6		0403-001339	DIODE-ZENER;UDZS6.2B,6.06-6.33V,200mW,SO	2	SA	
.....6		0406-001253	DIODE-TVS;VESD05A1-02V,6.0/6.8/7.5V,SOD-	2	SNA	
.....6	L0405	0601-001915	LED;SMD,RED,1.6x0.8x0.6mm,660nm,1.6x0.8x	1	SA	
.....6	IS01A	1209-001890	IC-SENSOR;CT1N07B,MLF,24P,4x4mm,PLASTIC,	1	SA	
.....6	IS01A	1209-001929	IC-SENSOR;CT802FN,6P,2x2x0.65mm,PLASTIC,	1	SA	
.....6		1405-001233	VARISTOR;30Vdc,5A,1.6x0.8x0.8mm,TP	2	SA	
.....6	KAR21	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	3	SA	
.....6	CER02	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	2	SA	
.....6	AR30	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	2	SA	
.....6	RR2	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	3	SA	
.....6	FAR22	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	2	SNA	
.....6	AHR40	2007-000088	R-CHIP;7.5Kohm,5%,1/10W,TP,1608	2	SA	
.....6	MROP1	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
.....6	HDR7	2007-000139	R-CHIP;220ohm,5%,1/16W,TP,1005	4	SNA	
.....6	DR39	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SNA	
.....6	R320	2007-000458	R-CHIP;18Kohm,5%,1/10W,TP,1608	1	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
.....6	AC14	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,1608	2	SNA	
.....6	EC9	2203-005834	C-CER,CHIP;2200nF,+80-20%,10V,Y5V,3216	1	SA	
.....6	C236	2203-005918	C-CER,CHIP;1000nF,10%,6.3V,X7R,1608	1	SNA	
.....6	AD480	2203-006399	C-CER,CHIP;1000nF,10%,6.3V,X5R,1005	1	SA	
.....6	XE1	2402-001155	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	1	SA	
.....6	HB01A	3711-005499	HEADER-BOARD TO CABLE;BOX,8P,1R,1.25mm,S	1	SA	
.....6		BN41-01390A	PCB-TOUCH;UC5000,FR-4,2,1.6T,165.0 x 138	1	SNA	
.....6		0202-001477	SOLDER-CREAM;LST309-M,D20~45um,96.5Sn/3A	0.08	SNA	
.....6	D0254	0609-001346	MODULE REMOCON;SMD-H(R),5.9mm,0.590g	1	SNA	
...3	T0382	BP61-00495C	HOLDER-CARE;PJT,ACRYL-FOAM,T0.25,W30.0mm	0.17	SNA	
...3		BN61-06769A	BOSS-BOND;UC5000,Acrylated, 3276,Clear,A	0.7	SNA	
0.1	R001A	BN90-02550B	ASSY COVER REAR;UC5000 32	1	SNA	
..2	R001A	BN96-12912C	ASSY COVER P-REAR;UC5000/6000,BRAZIL,PCM	1	SA	
...3	M0006	BN63-06516A	COVER-REAR;UC6500 32inch,PCM,T0.5,BKN-P8	1	SNA	
...3		BN68-02543H	LABEL-TERMINAL BOTTOM;Rev.01 UC5000,ZD,P	1	SNA	
...3		BN68-02544K	LABEL-TERMINAL SIDE;Rev.01 UC5000,ZD,PET	1	SNA	
...3		BN96-12924A	ASSY MISC P-INSULATOR;UC6500 32,PC,T0.43	1	SNA	
...4	T0278	BN60-00122E	SPACER-SPONGE;UC6500,CR,L200,T2.0,W10	2	SNA	
...4		BN63-06629A	SHEET-INSULATOR SMPS;UC6100 32inch,PC,T0	1	SNA	
...3	T0069	AA63-60131R	SPACER-FELT;21Z57,FELT,325,T0.35,7	1	SNA	
...3		BN60-00162A	SPACER-FOAM;FOAM,50000L,BLK,0.35T,20W	0.73	SNA	
...3		BN60-00162Y	SPACER-FOAM;FOAM,50000mm,Dark Gray,0.35T	0.4	SA	
..2	T0081	6001-002610	SCREW-MACHINE;BH,+,M4,L6,ZPC(BLK),SWRCH1	7	SA	
..2	SCREW	6003-001782	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	11	SA	
0.1	S001A	BN90-02557F	ASSY STAND;UC5000 32	1	SNA	
..2	SC02A	BN96-13392E	ASSY COVER P-GUIDE STAND;UC4000,PC+ABS G	1	SA	
...3	T0524	6902-001048	BAG PE;LDPE,T0.05,W160,L300,TRP,4g	1	SNA	
...3	T0920	BN61-06220A	GUIDE-STAND;UC6500 32inch,PC,G/F 20%,V2,	1	SNA	
...3		BN96-12031M	ASSY ACCESSORY-SCREW;10 LEDTV(40/46/55),	1	SNA	
...4	M0081	6003-001003	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	5	SA	
...4		6902-000336	BAG ZIPPER;LDPE,T0.05,W70,L80,TRP,0.500g	1	SNA	
...3	M0081	6003-000133	SCREW-TAPTYPE;BH,+,S,M4,L8,ZPC(BLK),SW	5	SA	
...3		6902-000683	BAG ZIPPER;LDPE,T0.05,W60,L60,TRP,4-PE M	1	SNA	
..2	M0027	BN96-12930B	ASSY STAND P-BASE;UC5000 32,GLASS,T8.0,R	1	SA	
...3	M0081	6003-001003	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	6	SA	
...3		BN61-04692A	BOSS-PRIMER;#94,clear,35cps	0.1	SNA	
...3		BN61-04731C	BOSS-TAPE;AMBER,ACRYL,T1.1,W16.0mm,WHITE	0.29	SNA	
...3		BN61-05254A	HOLDER-SWIVEL RING BOTTOM;LB700 40,POM H	1	SNA	
...3		BN61-05653A	BRACKET-STAND BOTTOM;B650 32,SECC,T2.0	1	SNA	
...3		BN61-05826A	BOSS-BOND;#760,Poly urethane,Black	2.4	SNA	
...3	GSN01	BN61-05993A	GUIDE-STAND NECK;32,LC650,PETG,V2,TP0003	1	SNA	
...4		BN61-06078B	GUIDE-NECK-INSERT;LC650 32,PETG HB,TP000	1	SNA	
...3	T0527	BN68-01648B	LABEL WARNING;WW,PET,T0.05,40,25,EXPORT	1	SNA	
...3	M0126	BN73-00215A	RUBBER-FOOT;40LB650,RUBBER,15*25,60,4.0,	4	SNA	
...3	M0126	BN73-00217A	RUBBER-FOOT;LB650,RUBBER,DIA30,7.5,Dark	4	SNA	
...3		BN74-00031A	GREASE;kanto-kasei FL-955,grease,wht	0.4	SNA	
...3		BN63-05530D	COVER-STAND GLASS;32,LC650,GLASS,T8.0,2C	1	SNA	
...3	T0056	BN63-06908A	COVER-DECORATION;LB700 40,ABS+PMMA,HB,H/	1	SNA	
...3		BN61-04855C	BRACKET-SWIVEL BOTTOM;UC5000 32",SECC,T2	1	SNA	
0.1	M0017	BN91-04999L	ASSY CHASSIS;UN32C5000QMXZD	1	SNA	
..2	M0014	BN94-03320L	ASSY PCB MAIN;UN32C5000QMXZD	1	SA	

5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...3		0202-001608	SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0.	0.125	SNA	
...3		3711-007302	HEADER-BOARD TO BOARD;BOX,18P,2R,2mm,ANG	1	SA	
...3	JA330	3722-002844	JACK-PHONE;1/7P,NI,LAUREL-GREEN,ANGLE	1	SA	
...3	JA330	3722-002845	JACK-PHONE;1/7P,NI,YELLOW,ANGLE	2	SA	
...3	JA330	3722-002846	JACK-PHONE;1/6,NI,BLACK,ANGLE	3	SNA	
...3		3722-002849	JACK-MODULAR;8P/8C(ULTRA SLIM),YES,ANGLE	1	SNA	
...3	L-PQS	BH68-00424A	LABEL-MICOM;ALL,PAPER100G,60,30,WHITE	1	SNA	
...3	L-PQS	BH68-00424B	LABEL-MICOM;ALL,PAPER100G,60,20,WHITE	1	SNA	
...3	ET01	BN40-00166A	TUNER;DNVS223VH161A,ISDB-T,191CH,38.9MHz	1	SA	
...3		BN97-04044L	ASSY SMD;UN32C5000QM	1	SNA	
...4		0202-001477	SOLDER-CREAM;LST309-M,D20~45um,96.5Sn/3A	1.43	SNA	
...4	DS01A	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	21	SA	
...4		0403-001783	DIODE-ZENER;BZB84-C6V2,5.8/6.6V,300mW,SO	12	SNA	
...4	D0254	0404-001271	DIODE-SCHOTTKY;SSA34,40V,3000mA,SMA,TP	1	SA	
...4	D0254	0404-001404	DIODE-SCHOTTKY;BAT721C,40V,200mA,SOT-23,	1	SA	
...4	T0139	0406-001200	DIODE-TVS;RCLAMP0504F,6/-V,150W,SC-70	2	SA	
...4	T0139	0406-001271	DIODE-TVS;RCLAMP0524P,6/-V,150W,SLP251	9	SNA	
...4	SD3	0407-000114	DIODE-SWITCHING;KDS184,80V,100mA,SOT-23,	3	SNA	
...4	Q101	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	10	SA	
...4	CEQ2	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	7	SA	
...4	Q409	0505-002560	FET-SILICON;AO6415,P,-20V,-3.3A,0.15ohm,	1	SA	
...4	IC106	1001-001573	IC-VIDEO SWITCH;Sil9287BCNUTR,QFN,72P,10	1	SNA	
...4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8,SOP,8P,5x4mm	2	SA	
...4	IC112	1103-001385	IC-EEPROM;AT24C256,256Kbit,32Kx8,SOP,8P,	1	SA	
...4		1105-002058	IC-DDR2 SDRAM;K4T1G164QE-HCF8,DDR2,1Gbit	2	SA	
...4	T0085	1201-002849	IC-AUDIO AMP;DRV603,TSSOP,14P,5x4.4mm,DU	1	SA	
...4	T0124	1201-002993	IC-POWER AMP;TAS5715,HTQFP,48P,7x7mm,DUA	2	SA	
...4	T0087	1203-001815	IC-POSIFIXED REG.;78M09,TO-252,3P,PLAST	1	SA	
...4	T0087	1203-002835	IC-POSIFIXED REG.;KIA7805AF,DPAK,3P,6.6	1	SA	
...4	T0087	1203-002898	IC-POSIFIXED REG.;G950T45R,TO-252,3P,6.	1	SA	
...4		1203-004364	IC-VOL. DETECTOR;RT9818C-42PV,SOT-23,3P,	1	SA	
...4		1203-005559	IC-BACKLIGHT DRIVER;MP3302DJ,TSOT23,5P,2	1	SA	
...4		1203-006013	IC-DC/DC CONVERTER;AOZ1031AI,SO-8,8P,4.9	1	SA	
...4		1203-006017	IC-VOL. DETECTOR;RT9824GJ8,TSOT23,8P,2.9	1	SA	
...4	T0087	1203-006135	IC-POSIFIXED REG.;AP1117D-33-GZ-13-89,T	1	SA	
...4	T0087	1203-006136	IC-POSIFIXED REG.;AP1117D-18-GZ-13-89,T	1	SA	
...4	IC012	1203-006138	IC-POSIFIXED REG.;AP1117DGZ-13-89,TO-2	1	SA	
...4		1204-003096	IC-VIDEO DECODER;HIDTVPRO-SX,PBGA,580P,P	1	SA	
...4		1204-003117	IC-AUDIO PROCESSOR;MSP3455G,PMQFP,44P,13	1	SA	
...4		1205-003201	IC-BUS SWITCH;TC7WB125FK,SSOP,8P,2x2.3mm	2	SA	
...4		1205-003733	IC-SWITCH;AP2191MPG-13,MSOP-8L-EP,8P,2.9	1	SA	
...4		1205-003735	IC-SWITCH;AP2151WG-7,SOT25,5P,2.9x1.6mm,	1	SA	
...4		1405-001185	VARISTOR;24Vdc,1.6x0.8x0.36mm,TP	1	SA	
...4		1405-001233	VARISTOR;30Vdc,5A,1.6x0.8x0.8mm,TP	2	SA	
...4		1405-001271	VARISTOR;20Vdc,5A,1.0x0.5x0.6mm,TP	23	SA	
...4	ZR24	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	SA	
...4	R105	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	30	SA	
...4	AR49	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	4	SNA	
...4	MR306	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	9	SNA	
...4	R319	2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	54	SNA	
...4		2007-000146	R-CHIP;6.8Kohm,5%,1/16W,TP,1005	2	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	R104	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	37	SA	
....4	R102	2007-000149	R-CHIP;12Kohm,5%,1/16W,TP,1005	8	SA	
....4	MR36	2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	5	SNA	
....4	AR43	2007-000155	R-CHIP;27Kohm,5%,1/16W,TP,1005	2	SNA	
....4	MR13	2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	6	SNA	
....4	R123	2007-000159	R-CHIP;56Kohm,5%,1/16W,TP,1005	1	SNA	
....4	DR39	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	2	SNA	
....4	MR16	2007-000168	R-CHIP;470Kohm,5%,1/16W,TP,1005	1	SA	
....4	R111	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	19	SNA	
....4	HDR17	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	12	SNA	
....4	R338	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	10	SNA	
....4	MR9	2007-000455	R-CHIP;18Kohm,1%,1/10W,TP,1608	3	SA	
....4	ER13	2007-000669	R-CHIP;2Kohm,1%,1/10W,TP,1608	1	SNA	
....4		2007-000755	R-CHIP;330Kohm,1%,1/10W,TP,1608	1	SA	
....4	R124	2007-000775	R-CHIP;33Kohm,5%,1/16W,TP,1005	3	SNA	
....4	DR37	2007-000932	R-CHIP;470ohm,5%,1/16W,TP,1005	8	SNA	
....4	AAR20	2007-001002	R-CHIP;510ohm,5%,1/10W,TP,1608	3	SNA	
....4	OTR1	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	12	SNA	
....4	R326	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	11	SNA	
....4	MR316	2007-002796	R-CHIP;510ohm,5%,1/16W,TP,1005	2	SNA	
....4	TR30	2007-007009	R-CHIP;75ohm,5%,1/16W,TP,1005	3	SNA	
....4	R365	2007-007107	R-CHIP;100Kohm,1%,1/16W,TP,1005	2	SNA	
....4		2007-007134	R-CHIP;39Kohm,1%,1/16W,TP,1005	1	SA	
....4	DR4	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	4	SNA	
....4		2007-007156	R-CHIP;1ohm,5%,1/16W,TP,1005	6	SNA	
....4		2007-007312	R-CHIP;20Kohm,1%,1/16W,TP,1005	2	SA	
....4		2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	11	SNA	
....4	MR11	2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	14	SNA	
....4		2007-008134	R-CHIP;12.4Kohm,1%,1/16W,TP,1005	1	SC	
....4		2007-008298	R-CHIP;49.9ohm,1%,1/16W,TP,1005	4	SA	
....4		2011-001449	R-NETWORK;22ohm,5%,1/16W,L,4P,TP,1010	5	SA	
....4		2011-001527	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,4P,TP,	3	SNA	
....4		2011-001589	R-NETWORK;0ohm,5%,1/16W,L,CHIP-V,4P,TP,1	16	SNA	
....4	AC1	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608,-	6	SA	
....4	C4N08	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	3	SNA	
....4	PC43	2203-000233	C-CER,CHIP;0.1nF,5%,50V,C0G,TP,1005	7	SA	
....4	C258	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA	
....4	RC34	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	2	SA	
....4	MC302	2203-000425	C-CER,CHIP;.018nF,5%,50V,C0G,TP,1005	3	SA	
....4	C254	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,TP,1005	7	SA	
....4	C507	2203-000489	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1005	3	SA	
....4	V1233	2203-000575	C-CER,CHIP;220nF,10%,25V,X7R,TP,2012	9	SNA	
....4	ZC14	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	2	SNA	
....4	DC25	2203-000812	C-CER,CHIP;.033nF,5%,50V,C0G,1005	9	SA	
....4	CK40B	2203-000838	C-CER,CHIP;0.39NF,5%,50V,C0G,TP,1608	1	SNA	
....4	AC124	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	2	SNA	
....4	HDC5	2203-001072	C-CER,CHIP;0.056nF,5%,50V,NP0,1005	2	SA	
....4	AD480	2203-001428	C-CER,CHIP;470nF,10%,50V,X7R,TP,2012	2	SNA	
....4	C637	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	3	SNA	
....4	AD480	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	16	SNA	
....4	AD480	2203-002525	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1005	8	SNA	

5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	AD480	2203-005052	C-CER,CHIP;0.0033nF,0.25pF,50V,NP0,1005	2	SA	
....4	AC611	2203-005194	C-CER,CHIP;.22nF,10%,50V,X7R,TP,1608	1	SA	
....4	AAC1	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608	20	SNA	
....4	AD480	2203-005511	C-CER,CHIP;27nF,10%,10V,X7R,TP,1005	1	SA	
....4	AD480	2203-005968	C-CER,CHIP;4.7NF,10%,50V,X7R,TP,1005	4	SNA	
....4	AD480	2203-006039	C-CER,CHIP;1nF,10%,2000V,X7R,3216	2	SA	
....4	AD480	2203-006126	C-CER,CHIP;47nF,10%,16V,X7R,1005	4	SNA	
....4	PC11	2203-006141	C-CER,CHIP;1000nF,10%,16V,X5R,1608	6	SNA	
....4	C102	2203-006158	C-CER,CHIP;100nF,10%,16V,X7R,1005	113	SNA	
....4	JC10	2203-006324	C-CER,CHIP;2200nF,10%,10V,X5R,1608	2	SA	
....4	AD480	2203-006336	C-CER,CHIP;10000nF,10%,25V,X5R,3216	23	SA	
....4	C125	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,TP,2012	50	SC	
....4	C234	2203-006378	C-CER,CHIP;4700nF,10%,6.3V,X5R,TP,1608	1	SNA	
....4	HE4	2203-006474	C-CER,CHIP;22000nF,20%,6.3V,X5R,2012	2	SA	
....4	HDC11	2203-006562	C-CER,CHIP;1000nF,10%,10V,X5R,TP,1005	20	SNA	
....4	AD480	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,TP,1005	2	SNA	
....4	AD480	2203-007176	C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012	2	SNA	
....4		2601-001056	TRANS-SMD,PULSE;350UH,-,1:1,1:1,12.7X6.7	1	SA	
....4	T0052	2703-000158	INDUCTOR-SMD;1uH,10%,2012	11	SA	
....4	VL6	2703-000398	INDUCTOR-SMD;10uH,10%,3225	8	SA	
....4	T0052	2703-001239	INDUCTOR-SMD;3.3uH,10%,1608	2	SA	
....4	T0052	2703-003149	INDUCTOR-SMD;2.2uH,20%,5050	2	SA	
....4	T0052	2703-003150	INDUCTOR-SMD;4.7uH,20%,5050	4	SNA	
....4	T0052	2703-003790	INDUCTOR-SMD;4.7uH,20%,8080	2	SA	
....4	X202	2801-003326	CRYSTAL-SMD;24MHz,30ppm,28-ABX,20pF,50oh	1	SA	
....4	X202	2801-004300	CRYSTAL-SMD;18.432MHz,30ppm,28-ABX,13pF,	1	SA	
....4	F103	2901-001506	FILTER-EMI SMD;5V,0.13A,0pF,2x1x0.5mm,TP	2	SA	
....4	T0568	3301-002039	BEAD-SMD;26ohm,1608,TP	50	SA	
....4	T0313	3404-001207	SWITCH-TACT;12V,50mA,160gf,6.2X6.2,SPST	1	SA	
....4		3701-001293	CONNECTOR-HDMI;19P,2R,FEMALE,SMD-A,AU	4	SA	
....4	AC510	3708-002797	CONNECTOR-FPC/FFC/PIC;51P,0.50mm,SMD,AU,	1	SA	
....4	CON_US	3711-005616	HEADER-BOARD TO CABLE;BOX,10P,1R,2mm,SMD	1	SNA	
....4	HB01A	3711-007336	HEADER-BOARD TO CABLE;BOX,4P,1R,2.5mm,SM	2	SA	
....4	D0254	0402-000553	DIODE-SCHOTTKY;SS24/B240,40V,2000mA,DO-2	2	SA	
....4		0403-001164	DIODE-ZENER;MMSZ5232B,5.32-5.88V,500MW,S	1	SA	
....4		2007-001285	R-CHIP;5.6ohm,5%,1/16W,TP,1005	4	SA	
....4		2007-007316	R-CHIP;3.3Kohm,1%,1/16W,TP,1005	1	SNA	
....4		2007-007334	R-CHIP;200Kohm,1%,1/16W,TP,1005	4	SNA	
....4		2007-008593	R-CHIP;750ohm,1%,1/16W,TP,1005	1	SA	
....4	CN906	3707-001095	CONNECTOR-OPTICAL;SMD-A(Ultra Slim),SPDI	1	SA	
....4		3722-003044	JACK-USB;4P/1C,NI,BLK,SMD-A,A-TYPE	2	SA	
....4		1203-006288	IC-VOL. DETECTOR;RT9818B-18GV,SOT-23-3,3	1	SA	
....4	AD480	2203-001428	C-CER,CHIP;470nF,10%,50V,X7R,TP,2012	1	SNA	
....4	AD480	2203-007270	C-CER,CHIP;10000nF,10%,10V,X5R,TP,1608	3	SNA	
....4		BN97-04266A	ASSY MICOM-MAIN;T-TDT5IBRC-1008.0,2010.0	1	SNA	
....5		1107-001818	IC-NAND FLASH;KFG1G16U2C-DIB6,1024Mbit,6	1	SNA	
....4		BN97-04267A	ASSY MICOM-SUB;T-TDT5AUSS-6004,2010.05.0	1	SNA	
....5	IC115	1107-001580	IC-FLASH MEMORY;MX25L4005,4Mbit,512Kx8,S	1	SNA	
....4		0403-000489	DIODE-ZENER;MMSZ5228B,5%,500MW,SOD-123,T	1	SA	
....4	T0596	0904-002554	IC-USC;AU6256-JBF,QFN,28P,5x5mm,12MHz,TP	1	SA	
....4		1203-005538	IC-DC/DC CONVERTER;AOZ1021HAIL,SOP,8P,4.	1	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...4	RZ07	2007-000156	R-CHIP;30Kohm,5%,1/16W,TP,1005	2	SA	
...4	HR3	2007-000903	R-CHIP;430ohm,1%,1/10W,TP,1608	1	SNA	
...4		2007-001317	R-CHIP;910ohm,5%,1/16W,TP,1005	1	SNA	
...4		2007-002768	R-CHIP;6.2Kohm,1%,1/10W,TP,1608	1	SA	
...4		2007-007135	R-CHIP;18Kohm,1%,1/16W,TP,1005	1	SNA	
...4		2007-007317	R-CHIP;2.2Kohm,1%,1/16W,TP,1005	1	SA	
...4		2007-008275	R-CHIP;30Kohm,1%,1/16W,TP,1005	1	SNA	
...4	DC87	2203-001153	C-CER,CHIP;.068nF,5%,50V,NP0,1005	2	SA	
...4	C711	2203-002982	C-CER,CHIP;6.8nF,10%,50V,X7R,1005	1	SA	
...4	AD480	2203-006824	C-CER,CHIP;4700nF,10%,10V,X5R,1608	1	SNA	
...4	AD480	2203-006841	C-CER,CHIP;1000nF,10%,16V,X5R,1005	2	SNA	
...4	T0052	2703-002268	INDUCTOR-SMD;8.2nH,5%,1005	4	SNA	
...4	X202	2801-004775	CRYSTAL-SMD;12MHz,30ppm,16pF,30ohm,TP	1	SNA	
...4	L1103	2703-000403	INDUCTOR-SMD;22uH,10%,3225	1	SA	
...4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	2	SA	
...4		BN41-01391B	PCB MAIN;UC5000,FR-4,4,1.2T,192*240,2	1	SNA	
...4		1203-006337	IC-POS.FIXED REG.;G9091-330T11U,SOT-23-	1	SA	
...3		3701-001698	CONNECTOR-DSUB;15P,3ROW,FEMALE,ANGLE,NI	1	SA	
...3	CB01	BN61-04923Q	BRACKET-AV;UC5000 40",PCM,T0.5,BKN-P824,	1	SNA	
...3	T0066	BN62-00040A	HEAT SINK-ES;SAPPHIRE,T2.0,36*36*6.6,BLK	1	SNA	
...3	T0066	BP62-00047A	HEAT SINK-ES;DLP,A6063S,T2.5,13,13,TAPE	2	SNA	
...3		0202-001557	SOLDER-CREAM;LST57-A,D38-63,42SN/57BI/1A	5	SNA	
...3	M0131	BN63-03264A	GASKET;LS27HUB(HUBBLE 27"),Fabric Gasket	1	SNA	
...3	T0562	6046-001015	STAND OFF;#4-40,L5,Ni PLT,C3601,M3	2	SNA	
0.1		BN91-05200A	ASSY LCD;BN07-00849A	1	SNA	
..2	PANEL	BN07-00849A	LCD-PANEL;T320FAE1-DB,CLL4BC1,8bits,32,1	1	SA	
...3	M0590	BN81-04458A	A/S-T CON T320FAE1-DB;T320FAE1-DB	1	SA	
0.1		BN91-05373J	ASSY SHIELD;NEW MODEL	1	SNA	
..2	T0081	6001-000115	SCREW-MACHINE;BH,+, -,M3,L10,ZPC(WHT),SWR	2	SNA	
..2	T0081	6001-002283	SCREW-MACHINE;BH,+,M3,L5,ZPC(WHT),SWRCH1	8	SNA	
..2	P001A	BN44-00351A	DC VSS-LED TV PD BD;PD37AF0E_ZSM,PSLF101	1	SA	
..2	FL06	BN96-13171J	ASSY CABLE P-FFC;UA32C5000QR,FFC,0.5mm,2	1	SA	
..2	CIS1	0203-001586	TAPE-FILAMENT;#893,0.15,25,55	0.5	SNA	
..2		BN73-00272A	SILICON/RUBBER-GAPPAD;UE46B7700,SILICON+	1	SNA	
..2	T0081	6001-002610	SCREW-MACHINE;BH,+,M4,L6,ZPC(BLK),SWRCH1	4	SA	
..2	SCREW	6003-001782	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	1	SA	
..2	M2893	BN39-01267C	LEAD CONNECTOR;LE37B530,UL 2651 AWG#26,1	1	SA	
..2	SP01A	BN98-02400B	ASSY K/D-SPEAKER;BN96-12944B	1	SA	
...3		BN83-01520A	CKD-SPEAKER;LCD350 22inch Speaker label,	1	SNA	
...3		BN83-01667A	CKD-SPEAKER;Rubber Bushing,NBR / 14.5 x	4	SNA	
...3		BN83-01668A	CKD-SPEAKER;Screw,M2.6 x 6.0mm	4	SNA	
...3		BN83-01669A	CKD-SPEAKER;Cushion-1,Nonwoven / 91 / x3	1	SNA	
...3		BN83-01670A	CKD-SPEAKER;Cushion-2,E.V.A / 80 x 10 x1	6	SNA	
...3		BN83-01671A	CKD-SPEAKER;Nonwoven,Nonwoven / 50 x 11	2	SNA	
...3		BN83-01678A	CKD-SPEAKER;Spk unit,90 x 30 x8.8mm / 4o	1	SNA	
...3		BN83-01679A	CKD-SPEAKER;Holder speaker,190 x160 x13m	1	SNA	
...3		BN83-01680A	CKD-SPEAKER;Cushion-3,EVA / 10 x 10 x 1.	2	SNA	
...3		BN83-01813A	CKD-SPEAKER;Holder speaker Bottom,190 x	1	SNA	
...3		BN83-01848A	CKD-SPEAKER;Wire,120mm	1	SNA	
..2	SB05A	BN96-12927B	ASSY BRACKET P-STAND LINK;UC4000 32,SECC	1	SNA	
...3		BN60-00184A	SPACER-FOAM;FOAM,30000mm,DARK GRAY,1T,30	0.12	SNA	

5. Exploded View & Part List

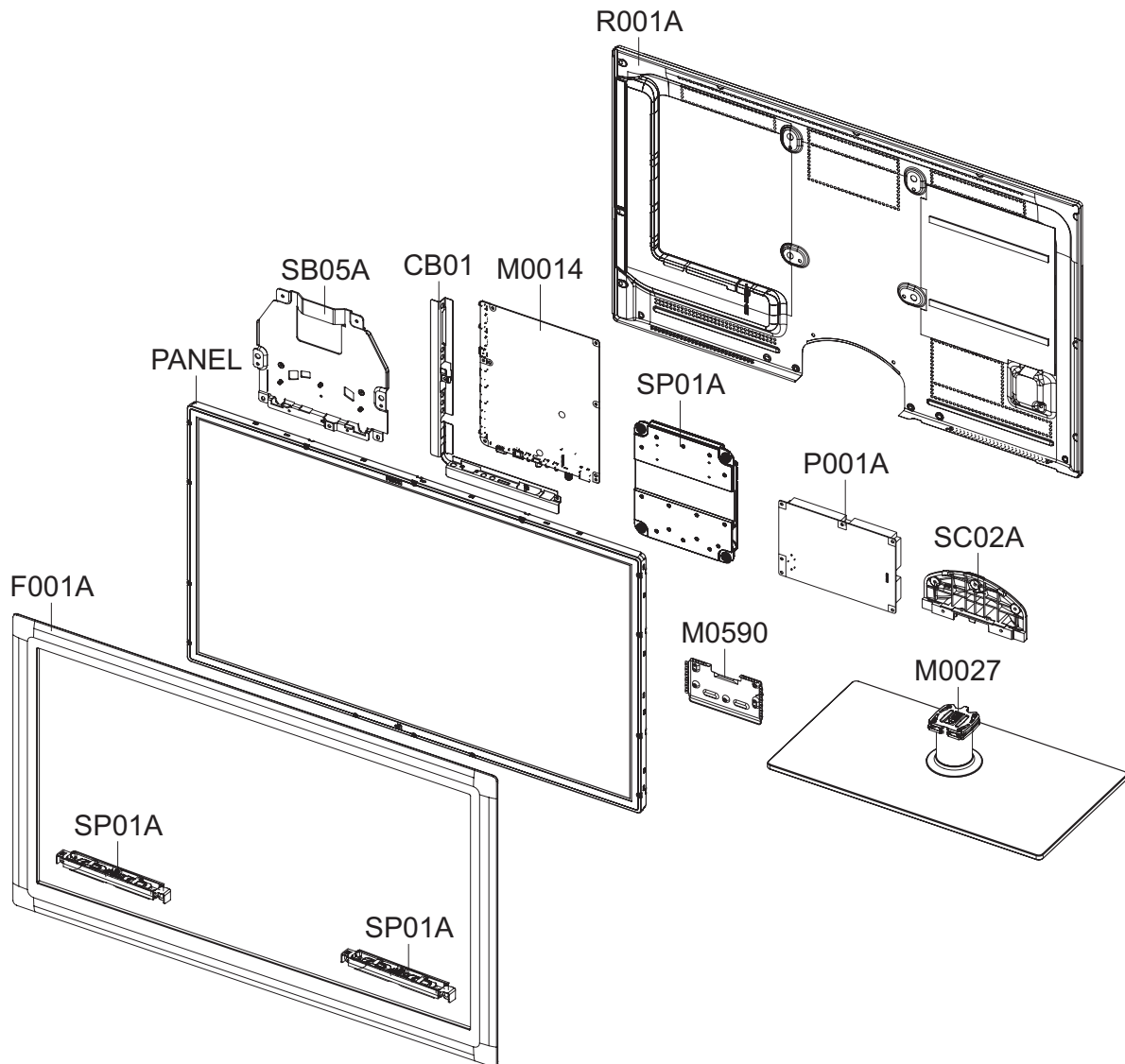
Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...3		BN61-02932G	BRACKET-STOPPER NUT;LED TV,M4,D6,L6.5,BR	3	SNA	
...3		BN61-02932H	BRACKET-STOPPER NUT;LED-TV,M4,D6,L5.0,BL	2	SNA	
...3	M0115	BN61-06163A	BRACKET-STAND LINK;UC6500 32inch,SECC,T2	1	SNA	
0.1		BN92-05577U	ASSY BOX;UC5000 32	1	SNA	
..2		AH68-00509A	LABEL BAR CODE;YP-NDP32SK,TETRON,0.15T,5	1	SNA	
..2	T0527	BH68-20408B	LABEL-05,BOX ARGENTINA;ARGENTINA ALL,XBG	1	SNA	
..2		BN69-04758C	BOX-01,SET;32UC5000-GS,CB,A-01,SW2,YEL,W	2	SNA	
0.1		BN92-05599A	ASSY P/MATERIAL;UC5000 32	1	SNA	
..2	P-CASE	0203-001228	TAPE-OPP MASKING;373,T0.066,W72,L914000,	2.26	SNA	
..2	T0524	6902-000358	BAG PE;HDPE/NITRON,T0.015/T0.5,W900,L700	1	SNA	
..2	T0246	BN69-04589A	CUSHION-SET;UC5000 32inch,EPS,M65	1	SNA	
..2		6902-000622	BAG SHEET;HDPE/NITRON,T0.015/T1.0,W1000,	1	SNA	
0.1		BN92-06249N	ASSY LABEL;NEW MODEL	1	SNA	
..2	T0527	AA68-03752B	LABEL-STICKER;WW,ALL,Art Paper(90g),25,3	1	SNA	
..2		BN68-02599F	LABEL-01,LED POP;U5000(46/40/37/32),PET,	1	SNA	
..2	T0527	BP68-00052B	LABEL-00,RATING;CCTV,TETRON PAPER,T0.05,	1	SNA	
0.1	ACCE1	BN92-06310S	ASSY ACCESSORY;NEW MODEL	1	SNA	
..2	ACCE2	BN96-14691W	ASSY ACCESSORY-CABLE;NEW MODEL	1	SNA	
...3	EC11	3903-000533	CBF-POWER CORD;DT,Argentina,LP-16L,250V,	1	SA	
...3	M0114	BN39-01154C	CBF SIGNAL;Chelsea Slim, STEREO Plug to	1	SA	
...3	M0114	BN39-01154G	CBF SIGNAL;UN40B7000WMXZD,1P/1P*2,30AWG,	1	SA	
...3	M0114	BN39-01154H	CBF SIGNAL;UE40B7000WWXXC,RCA 3PIN,30AWG	2	SA	
...3	M0114	BN61-05373A	HOLDER-WIRE;LB7000 46,NYRON	2	SNA	
...3	M9889	BN63-01798B	CLOTH-CLEAN;cloth,180,200,sea blue,ToC	1	SA	
...3	T0531	BN63-06542A	COVER-BOTTOM;UC6500 32,HIPS,HB,BK0020	1	SA	
...3	EH03A	BN96-10276B	ASSY HOLDER P-RING;09 LEDTV ALL MODEL,AB	1	SA	
....4		6902-000683	BAG ZIPPER;LDPE,T0.05,W60,L60,TRP,4-PE M	1	SNA	
....4	AH365	BN61-05280A	HOLDER-RING;LB7000 46inch,ABS, HB,gray	4	SNA	
...3		BN96-12031D	ASSY ACCESSORY-SCREW;09 LEDTV(40/46/55),	1	SNA	
....4	M0081	6003-000133	SCREW-TAPTYPE;BH,+,-,S,M4,L8,ZPC(BLK),SW	1	SA	
....4		6902-000336	BAG ZIPPER;LDPE,T0.05,W70,L80,TRP,0.500g	1	SNA	
...3		BN96-14099A	ASSY ACCESSORY-CLAMP;10 LEDTV(40/46/55),	1	SNA	
....4		AA65-30023A	CLAMPER CORE-CABLE;NYLON-66,BLK	1	SA	
....4		6902-000336	BAG ZIPPER;LDPE,T0.05,W70,L80,TRP,0.500g	1	SNA	
...3	REMO2	BN98-02497A	ASSY K/D-REMOCON;BN59-01020A	1	SA	
....4	M0014	BN94-03320V	ASSY PCB MAIN;BN59-01020A	1	SNA	
.....5		BN83-01770A	CKD-RUBBER KEY PAD;SILICONE 49 KEY	1	SNA	
.....5		BN83-01771A	CKD-COMMON SPRING;NICO SUS 0.5	1	SNA	
.....5		BN97-04044V	ASSY SMD;BN59-01020A	1	SNA	
.....6		BN83-01774A	CKD-IC-MCU;GC49C501G3	1	SNA	
.....6		BN83-01775A	CKD-PCB;TM1060,1050-RMXXX, REV:00	1	SNA	
.....6		BN83-01777A	CKD-CHIP-CAPACITOR;0603/Y5V/+80~-20%/25V	1	SNA	
.....6		BN83-01778A	CKD-TANTALUM-CAPACITOR;3216 SIZE / 6.3V	1	SNA	
.....6		BN83-01779A	CKD-TACT-SWITCH;ST-1187	1	SNA	
.....6		0202-001477	SOLDER-CREAM;LST309-M,D20~45um,96.5Sn/3A	0.08	SNA	
.....5		0202-001608	SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0.	0.3	SNA	
.....5	L0405	BN83-01257A	CKD-IR-LED;SI-5312H	1	SNA	
.....5		BN83-01772A	CKD-SPRING-REMOCON(+);NICO SUS 0.5	1	SNA	
.....5		BN83-01773A	CKD-SPRING-REMOCON(-);NICO SUS 0.5	1	SNA	
.....5	PE-RMC	AC69-30137A	BAG PE;LDPE,T0.08,80,270,WHT,-,-,-	1	SNA	
.....5	T001	BN63-06810A	COVER-TOP;TM1050,ABS+PMMA,HB,BLK	1	SNA	

5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
.....5	RS01	BN63-06813A	COVER-REAR SUB;TM1050,ABS,HB,BLK	1	SNA	
.....5	FK12	BN64-01350A	KNOB-ENTER;TM1050,ABS,HB,BLK	1	SNA	
.....5	AK265	BN64-01349A	KNOB-NAVIGATION;TM1050,ABS,HB,BLK	1	SNA	
.....5	RB01	BN63-06812A	COVER-BOTTOM;TM1050,ABS,HB,BLK	1	SNA	
..2		BN96-14729Z	ASSY ACCESSORY-MANUAL;NEW MODEL	1	SNA	
...3	PE BAG	6902-000009	BAG PE;HDPE,T0.03,W240,L400,TRP,8,2,-,5.	1	SNA	
...3		BN68-02768C	MANUAL USERS-IB;Comm,Samsung,Eng/Spa,Arg	1	SNA	
...3		BN81-02301A	A/S-LABEL-E PASS;SEDA,ART PAPER,W42,L12,	1	SNA	

5. Exploded View & Part List

5-1. UN32C5000QM Exploded View



5-1-1. UN32C5000QM Parts List

Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
F001A	BN96-12885F	ASSY COVER P-FRONT;UC5000 32,PMMA(CLR)+P	1	SA	
SP01A	BN98-02397A	ASSY K/D-SPEAKER;BN96-12941A,SEDA,Brazil	1	SA	
PANEL	BN07-00849A	LCD-PANEL;T320FAE1-DB,CLL4BC1,8bits,32,1	1	SA	
M0590	BN81-04458A	A/S-T CON T320FAE1-DB;T320FAE1-DB	1	SA	
SB05A	BN96-12927B	ASSY BRACKET P-STAND LINK;UC4000 32,SECC	1	SNA	
CB01	BN61-04923Q	BRACKET-AV;UC5000 40",PCM,T0.5,BKN-P824,	1	SNA	
M0014	BN94-03320L	ASSY PCB MAIN;UN32C5000QMXZD	1	SA	
SP01A	BN98-02400B	ASSY K/D-SPEAKER;BN96-12944B	1	SA	
P001A	BN44-00351A	DC VSS-LED TV PD BD;PD37AF0E_ZSM,PSLF101	1	SA	
R001A	BN96-12912C	ASSY COVER P-REAR;UC5000/6000,BRAZIL,PCM	1	SA	
SC02A	BN96-13392E	ASSY COVER P-GUIDE STAND;UC4000,PC+ABS G	1	SA	
M0027	BN96-12930B	ASSY STAND P-BASE;UC5000 32,GLASS,T8.0,R	1	SA	

5-2. UN32C5000QM Parts List

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

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
			UN32C5000QMXZB			
0.1		BN90-02528G	ASSY COVER FRONT;UC5000 32	1	SNA	
..2	F001A	BN96-12885F	ASSY COVER P-FRONT;UC5000 32,PMMA(CLR)+P	1	SA	
...3	CIS1	0203-001598	TAPE-FILAMENT;#8915,0.15,12,55000,CLR	0.06	SNA	
...3		BN60-00162Y	SPACER-FOAM;FOAM,50000mm,Dark Gray,0.35T	1.98	SA	
...3	AB326	BN61-04661A	BRACKET-STOPPER;L650,SK-5,T0.4,Plating,H	2	SNA	
...3		BN61-06213A	BRACKET-STOPPER BOSS;C8K,SECC+SK5,T1.2	8	SNA	
...3		BN61-06215A	BRACKET-STOPPER PANEL;C8K,SK5,0.5T	1	SNA	
...3	CCM1	BN63-02183F	COVER-SHEET;RhcM,PE Vinyl,T0.04,900mm,20	0.74	SNA	
...3	CCM1	BN63-05199B	COVER-SHEET;AMBER,PE,T0.08,W65mm,200M,CL	2.4	SNA	
...3	F001	BN63-06603F	COVER-FRONT;UC5000 32,PMMA(CLR)+PMMA/ABS	1	SNA	
...3		BN96-13390A	ASSY HOLDER P-BOSS;UC4000 32,ABS,HB	1	SNA	
....4		BN61-04692A	BOSS-PRIMER;#94,clear,35cps	0.5	SNA	
....4		BN61-05915A	BOSS-TAPE;LB650 65",T1.1,W12.0mm,DARK GR	0.27	SNA	
....4		BN61-05915B	BOSS-TAPE;LB650 65",3M #4711,T1.1,W6.0mm	0.03	SNA	
....4		BN61-06236A	HOLDER-BOSS BOTTOM;UC6100 32inch,ABS,HB	1	SNA	
...3	SP01A	BN98-02397A	ASSY K/D-SPEAKER;BN96-12941A,SEDA,Brazil	1	SA	
....4		BN83-01520A	CKD-SPEAKER;LCD350 22inch Speaker label,	1	SNA	
....4		BN83-01656A	CKD-SPEAKER;speaker unit,90 x 15 x 13mm,	2	SNA	
....4		BN83-01657A	CKD-SPEAKER;Holder speaker,221 x 15 x 14	2	SNA	
....4		BN83-01658A	CKD-SPEAKER;Rubber Bushing,12.5 x 7.5 x	4	SNA	
....4		BN83-01659A	CKD-SPEAKER;Screw,M2.0 x 8.0mm	8	SNA	
....4		BN83-01660A	CKD-SPEAKER;Nonwoven-1,180 x 15 x 0.5mm	2	SNA	
....4		BN83-01661A	CKD-SPEAKER;Nonwoven-2,35 x 11 x 0.35mm	2	SNA	
....4		BN83-01662A	CKD-SPEAKER;Sponge Cushion,PU / 190 x 9.	4	SNA	
....4		BN83-01664A	CKD-SPEAKER;Wire,AWG 24, 4pin, L210 / R4	1	SNA	
...3	FB09A	BN98-02491B	ASSY K/D-BOARD P-TOUCH FUNCTION&IR;BN96-	1	SA	
....4	M0014	BN94-03501M	ASSY PCB MAIN;BN96-13047B	1	SNA	
.....5	EC13	BN39-01305A	LEAD CONNECTOR;UN32C5000QFXZA,Cable Conn	1	SA	
.....5		BN83-01786A	CKD-TAPE;C5000,CKD-TAPE	1	SNA	
.....5		BN97-04046S	ASSY SMD;NEW MODEL	1	SNA	
.....6		0403-001339	DIODE-ZENER;UDZS6.2B,6.06-6.33V,200mW,SO	2	SA	
.....6		0406-001253	DIODE-TVS;VESD05A1-02V,6.0/6.8/7.5V,SOD-	2	SNA	
.....6	L0405	0601-001915	LED;SMD,RED,1.6x0.8x0.6mm,660nm,1.6x0.8x	1	SA	
.....6	IS01A	1209-001890	IC-SENSOR;CT1N07B,MLF,24P,4x4mm,PLASTIC,	1	SA	
.....6	IS01A	1209-001929	IC-SENSOR;CT802FN,6P,2x2x0.65mm,PLASTIC,	1	SA	
.....6		1405-001233	VARISTOR;30Vdc,5A,1.6x0.8x0.8mm,TP	2	SA	
.....6	KAR21	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	3	SA	
.....6	CER02	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	2	SA	
.....6	AR30	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	2	SA	
.....6	RR2	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	3	SA	
.....6	FAR22	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	2	SNA	
.....6	AHR40	2007-000088	R-CHIP;7.5Kohm,5%,1/10W,TP,1608	2	SA	
.....6	MROP1	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
.....6	HDR7	2007-000139	R-CHIP;220ohm,5%,1/16W,TP,1005	4	SNA	
.....6	DR39	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SNA	
.....6	R320	2007-000458	R-CHIP;18Kohm,5%,1/10W,TP,1608	1	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
.....6	AC14	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,1608	2	SNA	
.....6	EC9	2203-005834	C-CER,CHIP;2200nF,+80-20%,10V,Y5V,3216	1	SA	
.....6	C236	2203-005918	C-CER,CHIP;1000nF,10%,6.3V,X7R,1608	1	SNA	
.....6	AD480	2203-006399	C-CER,CHIP;1000nF,10%,6.3V,X5R,1005	1	SA	
.....6	XE1	2402-001155	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	1	SA	
.....6	HB01A	3711-005499	HEADER-BOARD TO CABLE;BOX,8P,1R,1.25mm,S	1	SA	
.....6		BN41-01390A	PCB-TOUCH;UC5000,FR-4,2,1.6T,165.0 x 138	1	SNA	
.....6		0202-001477	SOLDER-CREAM;LST309-M,D20~45um,96.5Sn/3A	0.08	SNA	
.....6	D0254	0609-001346	MODULE REMOCON;SMD-H(R),5.9mm,0.590g	1	SNA	
...3	T0382	BP61-00495C	HOLDER-CARE;PJT,ACRYL-FOAM,T0.25,W30.0mm	0.17	SNA	
...3		BN61-06769A	BOSS-BOND;UC5000,Acrylated, 3276,Clear,A	0.7	SNA	
0.1	R001A	BN90-02550B	ASSY COVER REAR;UC5000 32	1	SNA	
..2	R001A	BN96-12912C	ASSY COVER P-REAR;UC5000/6000,BRAZIL,PCM	1	SA	
...3	M0006	BN63-06516A	COVER-REAR;UC6500 32inch,PCM,T0.5,BKN-P8	1	SNA	
...3		BN68-02543H	LABEL-TERMINAL BOTTOM;Rev.01 UC5000,ZD,P	1	SNA	
...3		BN68-02544K	LABEL-TERMINAL SIDE;Rev.01 UC5000,ZD,PET	1	SNA	
...3		BN96-12924A	ASSY MISC P-INSULATOR;UC6500 32,PC,T0.43	1	SNA	
...4	T0278	BN60-00122E	SPACER-SPONGE;UC6500,CR,L200,T2.0,W10	2	SNA	
...4		BN63-06629A	SHEET-INSULATOR SMPS;UC6100 32inch,PC,T0	1	SNA	
...3	T0069	AA63-60131R	SPACER-FELT;21Z57,FELT,325,T0.35,7	1	SNA	
...3		BN60-00162A	SPACER-FOAM;FOAM,50000L,BLK,0.35T,20W	0.73	SNA	
...3		BN60-00162Y	SPACER-FOAM;FOAM,50000mm,Dark Gray,0.35T	0.4	SA	
..2	T0081	6001-002610	SCREW-MACHINE;BH,+,M4,L6,ZPC(BLK),SWRCH1	7	SA	
..2	SCREW	6003-001782	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	11	SA	
0.1	S001A	BN90-02557F	ASSY STAND;UC5000 32	1	SNA	
..2	SC02A	BN96-13392E	ASSY COVER P-GUIDE STAND;UC4000,PC+ABS G	1	SA	
...3	T0524	6902-001048	BAG PE;LDPE,T0.05,W160,L300,TRP,4g	1	SNA	
...3	T0920	BN61-06220A	GUIDE-STAND;UC6500 32inch,PC,G/F 20%,V2,	1	SNA	
...3		BN96-12031M	ASSY ACCESSORY-SCREW;10 LEDTV(40/46/55),	1	SNA	
...4	M0081	6003-001003	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	5	SA	
...4		6902-000336	BAG ZIPPER;LDPE,T0.05,W70,L80,TRP,0.500g	1	SNA	
...3	M0081	6003-000133	SCREW-TAPTYPE;BH,+,S,M4,L8,ZPC(BLK),SW	5	SA	
...3		6902-000683	BAG ZIPPER;LDPE,T0.05,W60,L60,TRP,4-PE M	1	SNA	
..2	M0027	BN96-12930B	ASSY STAND P-BASE;UC5000 32,GLASS,T8.0,R	1	SA	
...3	M0081	6003-001003	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	6	SA	
...3		BN61-04692A	BOSS-PRIMER;#94,clear,35cps	0.1	SNA	
...3		BN61-04731C	BOSS-TAPE;AMBER,ACRYL,T1.1,W16.0mm,WHITE	0.29	SNA	
...3		BN61-05254A	HOLDER-SWIVEL RING BOTTOM;LB700 40,POM H	1	SNA	
...3		BN61-05653A	BRACKET-STAND BOTTOM;B650 32,SECC,T2.0	1	SNA	
...3		BN61-05826A	BOSS-BOND;#760,Poly urethane,Black	2.4	SNA	
...3	GSN01	BN61-05993A	GUIDE-STAND NECK;32,LC650,PETG,V2,TP0003	1	SNA	
...4		BN61-06078B	GUIDE-NECK-INSERT;LC650 32,PETG HB,TP000	1	SNA	
...3	T0527	BN68-01648B	LABEL WARNING;WW,PET,T0.05,40,25,EXPORT	1	SNA	
...3	M0126	BN73-00215A	RUBBER-FOOT;40LB650,RUBBER,15*25,60,4.0,	4	SNA	
...3	M0126	BN73-00217A	RUBBER-FOOT;LB650,RUBBER,DIA30,7.5,Dark	4	SNA	
...3		BN74-00031A	GREASE;kanto-kasei FL-955,grease,wht	0.4	SNA	
...3		BN63-05530D	COVER-STAND GLASS;32,LC650,GLASS,T8.0,2C	1	SNA	
...3	T0056	BN63-06908A	COVER-DECORATION;LB700 40,ABS+PMMA,HB,H/	1	SNA	
...3		BN61-04855C	BRACKET-SWIVEL BOTTOM;UC5000 32",SECC,T2	1	SNA	
0.1	M0017	BN91-04999L	ASSY CHASSIS;UN32C5000QMXZD	1	SNA	
..2	M0014	BN94-03320L	ASSY PCB MAIN;UN32C5000QMXZD	1	SA	

5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...3		0202-001608	SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0.	0.125	SNA	
...3		3711-007302	HEADER-BOARD TO BOARD;BOX,18P,2R,2mm,ANG	1	SA	
...3	JA330	3722-002844	JACK-PHONE;1/7P,NI,LAUREL-GREEN,ANGLE	1	SA	
...3	JA330	3722-002845	JACK-PHONE;1/7P,NI,YELLOW,ANGLE	2	SA	
...3	JA330	3722-002846	JACK-PHONE;1/6,NI,BLACK,ANGLE	3	SNA	
...3		3722-002849	JACK-MODULAR;8P/8C(ULTRA SLIM),YES,ANGLE	1	SNA	
...3	L-PQS	BH68-00424A	LABEL-MICOM;ALL,PAPER100G,60,30,WHITE	1	SNA	
...3	L-PQS	BH68-00424B	LABEL-MICOM;ALL,PAPER100G,60,20,WHITE	1	SNA	
...3	ET01	BN40-00166A	TUNER;DNVS223VH161A,ISDB-T,191CH,38.9MHz	1	SA	
...3		BN97-04044L	ASSY SMD;UN32C5000QM	1	SNA	
...4		0202-001477	SOLDER-CREAM;LST309-M,D20~45um,96.5Sn/3A	1.43	SNA	
...4	DS01A	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	21	SA	
...4		0403-001783	DIODE-ZENER;BZB84-C6V2,5.8/6.6V,300mW,SO	12	SNA	
...4	D0254	0404-001271	DIODE-SCHOTTKY;SSA34,40V,3000mA,SMA,TP	1	SA	
...4	D0254	0404-001404	DIODE-SCHOTTKY;BAT721C,40V,200mA,SOT-23,	1	SA	
...4	T0139	0406-001200	DIODE-TVS;RCLAMP0504F,6/-V,150W,SC-70	2	SA	
...4	T0139	0406-001271	DIODE-TVS;RCLAMP0524P,6/-V,150W,SLP251	9	SNA	
...4	SD3	0407-000114	DIODE-SWITCHING;KDS184,80V,100mA,SOT-23,	3	SNA	
...4	Q101	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	10	SA	
...4	CEQ2	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	7	SA	
...4	Q409	0505-002560	FET-SILICON;AO6415,P,-20V,-3.3A,0.15ohm,	1	SA	
...4	IC106	1001-001573	IC-VIDEO SWITCH;Sil9287BCNUTR,QFN,72P,10	1	SNA	
...4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8,SOP,8P,5x4mm	2	SA	
...4	IC112	1103-001385	IC-EEPROM;AT24C256,256Kbit,32Kx8,SOP,8P,	1	SA	
...4		1105-002058	IC-DDR2 SDRAM;K4T1G164QE-HCF8,DDR2,1Gbit	2	SA	
...4	T0085	1201-002849	IC-AUDIO AMP;DRV603,TSSOP,14P,5x4.4mm,DU	1	SA	
...4	T0124	1201-002993	IC-POWER AMP;TAS5715,HTQFP,48P,7x7mm,DUA	2	SA	
...4	T0087	1203-001815	IC-POSIFIXED REG.;78M09,TO-252,3P,PLAST	1	SA	
...4	T0087	1203-002835	IC-POSIFIXED REG.;KIA7805AF,DPAK,3P,6.6	1	SA	
...4	T0087	1203-002898	IC-POSIFIXED REG.;G950T45R,TO-252,3P,6.	1	SA	
...4		1203-004364	IC-VOL. DETECTOR;RT9818C-42PV,SOT-23,3P,	1	SA	
...4		1203-005559	IC-BACKLIGHT DRIVER;MP3302DJ,TSOT23,5P,2	1	SA	
...4		1203-006013	IC-DC/DC CONVERTER;AOZ1031AI,SO-8,8P,4.9	1	SA	
...4		1203-006017	IC-VOL. DETECTOR;RT9824GJ8,TSOT23,8P,2.9	1	SA	
...4	T0087	1203-006135	IC-POSIFIXED REG.;AP1117D-33-GZ-13-89,T	1	SA	
...4	T0087	1203-006136	IC-POSIFIXED REG.;AP1117D-18-GZ-13-89,T	1	SA	
...4	IC012	1203-006138	IC-POSIFADJUST REG.;AP1117DGZ-13-89,TO-2	1	SA	
...4		1204-003096	IC-VIDEO DECODER;HIDTVPRO-SX,PBGA,580P,P	1	SA	
...4		1204-003117	IC-AUDIO PROCESSOR;MSP3455G,PMQFP,44P,13	1	SA	
...4		1205-003201	IC-BUS SWITCH;TC7WB125FK,SSOP,8P,2x2.3mm	2	SA	
...4		1205-003733	IC-SWITCH;AP2191MPG-13,MSOP-8L-EP,8P,2.9	1	SA	
...4		1205-003735	IC-SWITCH;AP2151WG-7,SOT25,5P,2.9x1.6mm,	1	SA	
...4		1405-001185	VARISTOR;24Vdc,1.6x0.8x0.36mm,TP	1	SA	
...4		1405-001233	VARISTOR;30Vdc,5A,1.6x0.8x0.8mm,TP	2	SA	
...4		1405-001271	VARISTOR;20Vdc,5A,1.0x0.5x0.6mm,TP	23	SA	
...4	ZR24	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	SA	
...4	R105	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	30	SA	
...4	AR49	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	4	SNA	
...4	MR306	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	9	SNA	
...4	R319	2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	54	SNA	
...4		2007-000146	R-CHIP;6.8Kohm,5%,1/16W,TP,1005	2	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	R104	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	37	SA	
....4	R102	2007-000149	R-CHIP;12Kohm,5%,1/16W,TP,1005	8	SA	
....4	MR36	2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	5	SNA	
....4	AR43	2007-000155	R-CHIP;27Kohm,5%,1/16W,TP,1005	2	SNA	
....4	MR13	2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	6	SNA	
....4	R123	2007-000159	R-CHIP;56Kohm,5%,1/16W,TP,1005	1	SNA	
....4	DR39	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	2	SNA	
....4	MR16	2007-000168	R-CHIP;470Kohm,5%,1/16W,TP,1005	1	SA	
....4	R111	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	19	SNA	
....4	HDR17	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	12	SNA	
....4	R338	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	10	SNA	
....4	MR9	2007-000455	R-CHIP;18Kohm,1%,1/10W,TP,1608	3	SA	
....4	ER13	2007-000669	R-CHIP;2Kohm,1%,1/10W,TP,1608	1	SNA	
....4		2007-000755	R-CHIP;330Kohm,1%,1/10W,TP,1608	1	SA	
....4	R124	2007-000775	R-CHIP;33Kohm,5%,1/16W,TP,1005	3	SNA	
....4	DR37	2007-000932	R-CHIP;470ohm,5%,1/16W,TP,1005	8	SNA	
....4	AAR20	2007-001002	R-CHIP;510ohm,5%,1/10W,TP,1608	3	SNA	
....4	OTR1	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	12	SNA	
....4	R326	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	11	SNA	
....4	MR316	2007-002796	R-CHIP;510ohm,5%,1/16W,TP,1005	2	SNA	
....4	TR30	2007-007009	R-CHIP;75ohm,5%,1/16W,TP,1005	3	SNA	
....4	R365	2007-007107	R-CHIP;100Kohm,1%,1/16W,TP,1005	2	SNA	
....4		2007-007134	R-CHIP;39Kohm,1%,1/16W,TP,1005	1	SA	
....4	DR4	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	4	SNA	
....4		2007-007156	R-CHIP;1ohm,5%,1/16W,TP,1005	6	SNA	
....4		2007-007312	R-CHIP;20Kohm,1%,1/16W,TP,1005	2	SA	
....4		2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	11	SNA	
....4	MR11	2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	14	SNA	
....4		2007-008134	R-CHIP;12.4Kohm,1%,1/16W,TP,1005	1	SC	
....4		2007-008298	R-CHIP;49.9ohm,1%,1/16W,TP,1005	4	SA	
....4		2011-001449	R-NETWORK;22ohm,5%,1/16W,L,4P,TP,1010	5	SA	
....4		2011-001527	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,4P,TP,	3	SNA	
....4		2011-001589	R-NETWORK;0ohm,5%,1/16W,L,CHIP-V,4P,TP,1	16	SNA	
....4	AC1	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608,-	6	SA	
....4	C4N08	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	3	SNA	
....4	PC43	2203-000233	C-CER,CHIP;0.1nF,5%,50V,C0G,TP,1005	7	SA	
....4	C258	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA	
....4	RC34	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	2	SA	
....4	MC302	2203-000425	C-CER,CHIP;.018nF,5%,50V,C0G,TP,1005	3	SA	
....4	C254	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,TP,1005	7	SA	
....4	C507	2203-000489	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1005	3	SA	
....4	V1233	2203-000575	C-CER,CHIP;220nF,10%,25V,X7R,TP,2012	9	SNA	
....4	ZC14	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	2	SNA	
....4	DC25	2203-000812	C-CER,CHIP;.033nF,5%,50V,C0G,1005	9	SA	
....4	CK40B	2203-000838	C-CER,CHIP;0.39NF,5%,50V,C0G,TP,1608	1	SNA	
....4	AC124	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	2	SNA	
....4	HDC5	2203-001072	C-CER,CHIP;0.056nF,5%,50V,NP0,1005	2	SA	
....4	AD480	2203-001428	C-CER,CHIP;470nF,10%,50V,X7R,TP,2012	2	SNA	
....4	C637	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	3	SNA	
....4	AD480	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	16	SNA	
....4	AD480	2203-002525	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1005	8	SNA	

5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	AD480	2203-005052	C-CER,CHIP;0.0033nF,0.25pF,50V,NP0,1005	2	SA	
....4	AC611	2203-005194	C-CER,CHIP;.22nF,10%,50V,X7R,TP,1608	1	SA	
....4	AAC1	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608	20	SNA	
....4	AD480	2203-005511	C-CER,CHIP;27nF,10%,10V,X7R,TP,1005	1	SA	
....4	AD480	2203-005968	C-CER,CHIP;4.7NF,10%,50V,X7R,TP,1005	4	SNA	
....4	AD480	2203-006039	C-CER,CHIP;1nF,10%,2000V,X7R,3216	2	SA	
....4	AD480	2203-006126	C-CER,CHIP;47nF,10%,16V,X7R,1005	4	SNA	
....4	PC11	2203-006141	C-CER,CHIP;1000nF,10%,16V,X5R,1608	6	SNA	
....4	C102	2203-006158	C-CER,CHIP;100nF,10%,16V,X7R,1005	113	SNA	
....4	JC10	2203-006324	C-CER,CHIP;2200nF,10%,10V,X5R,1608	2	SA	
....4	AD480	2203-006336	C-CER,CHIP;10000nF,10%,25V,X5R,3216	23	SA	
....4	C125	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,TP,2012	50	SC	
....4	C234	2203-006378	C-CER,CHIP;4700nF,10%,6.3V,X5R,TP,1608	1	SNA	
....4	HE4	2203-006474	C-CER,CHIP;22000nF,20%,6.3V,X5R,2012	2	SA	
....4	HDC11	2203-006562	C-CER,CHIP;1000nF,10%,10V,X5R,TP,1005	20	SNA	
....4	AD480	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,TP,1005	2	SNA	
....4	AD480	2203-007176	C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012	2	SNA	
....4		2601-001056	TRANS-SMD,PULSE;350UH,-,1:1,1:1,12.7X6.7	1	SA	
....4	T0052	2703-000158	INDUCTOR-SMD;1uH,10%,2012	11	SA	
....4	VL6	2703-000398	INDUCTOR-SMD;10uH,10%,3225	8	SA	
....4	T0052	2703-001239	INDUCTOR-SMD;3.3uH,10%,1608	2	SA	
....4	T0052	2703-003149	INDUCTOR-SMD;2.2uH,20%,5050	2	SA	
....4	T0052	2703-003150	INDUCTOR-SMD;4.7uH,20%,5050	4	SNA	
....4	T0052	2703-003790	INDUCTOR-SMD;4.7uH,20%,8080	2	SA	
....4	X202	2801-003326	CRYSTAL-SMD;24MHz,30ppm,28-ABX,20pF,50oh	1	SA	
....4	X202	2801-004300	CRYSTAL-SMD;18.432MHz,30ppm,28-ABX,13pF,	1	SA	
....4	F103	2901-001506	FILTER-EMI SMD;5V,0.13A,0pF,2x1x0.5mm,TP	2	SA	
....4	T0568	3301-002039	BEAD-SMD;26ohm,1608,TP	50	SA	
....4	T0313	3404-001207	SWITCH-TACT;12V,50mA,160gf,6.2X6.2,SPST	1	SA	
....4		3701-001293	CONNECTOR-HDMI;19P,2R,FEMALE,SMD-A,AU	4	SA	
....4	AC510	3708-002797	CONNECTOR-FPC/FFC/PIC;51P,0.50mm,SMD,AU,	1	SA	
....4	CON_US	3711-005616	HEADER-BOARD TO CABLE;BOX,10P,1R,2mm,SMD	1	SNA	
....4	HB01A	3711-007336	HEADER-BOARD TO CABLE;BOX,4P,1R,2.5mm,SM	2	SA	
....4	D0254	0402-000553	DIODE-SCHOTTKY;SS24/B240,40V,2000mA,DO-2	2	SA	
....4		0403-001164	DIODE-ZENER;MMSZ5232B,5.32-5.88V,500MW,S	1	SA	
....4		2007-001285	R-CHIP;5.6ohm,5%,1/16W,TP,1005	4	SA	
....4		2007-007316	R-CHIP;3.3Kohm,1%,1/16W,TP,1005	1	SNA	
....4		2007-007334	R-CHIP;200Kohm,1%,1/16W,TP,1005	4	SNA	
....4		2007-008593	R-CHIP;750ohm,1%,1/16W,TP,1005	1	SA	
....4	CN906	3707-001095	CONNECTOR-OPTICAL;SMD-A(Ultra Slim),SPDI	1	SA	
....4		3722-003044	JACK-USB;4P/1C,NI,BLK,SMD-A,A-TYPE	2	SA	
....4		1203-006288	IC-VOL. DETECTOR;RT9818B-18GV,SOT-23-3,3	1	SA	
....4	AD480	2203-001428	C-CER,CHIP;470nF,10%,50V,X7R,TP,2012	1	SNA	
....4	AD480	2203-007270	C-CER,CHIP;10000nF,10%,10V,X5R,TP,1608	3	SNA	
....4		BN97-04266A	ASSY MICOM-MAIN;T-TDT5IBRC-1008.0,2010.0	1	SNA	
....5		1107-001818	IC-NAND FLASH;KFG1G16U2C-DIB6,1024Mbit,6	1	SNA	
....4		BN97-04267A	ASSY MICOM-SUB;T-TDT5AUSS-6004,2010.05.0	1	SNA	
....5	IC115	1107-001580	IC-FLASH MEMORY;MX25L4005,4Mbit,512Kx8,S	1	SNA	
....4		0403-000489	DIODE-ZENER;MMSZ5228B,5%,500MW,SOD-123,T	1	SA	
....4	T0596	0904-002554	IC-USC;AU6256-JBF,QFN,28P,5x5mm,12MHz,TP	1	SA	
....4		1203-005538	IC-DC/DC CONVERTER;AOZ1021HAIL,SOP,8P,4.	1	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...4	RZ07	2007-000156	R-CHIP;30Kohm,5%,1/16W,TP,1005	2	SA	
...4	HR3	2007-000903	R-CHIP;430ohm,1%,1/10W,TP,1608	1	SNA	
...4		2007-001317	R-CHIP;910ohm,5%,1/16W,TP,1005	1	SNA	
...4		2007-002768	R-CHIP;6.2Kohm,1%,1/10W,TP,1608	1	SA	
...4		2007-007135	R-CHIP;18Kohm,1%,1/16W,TP,1005	1	SNA	
...4		2007-007317	R-CHIP;2.2Kohm,1%,1/16W,TP,1005	1	SA	
...4		2007-008275	R-CHIP;30Kohm,1%,1/16W,TP,1005	1	SNA	
...4	DC87	2203-001153	C-CER,CHIP;.068nF,5%,50V,NP0,1005	2	SA	
...4	C711	2203-002982	C-CER,CHIP;6.8nF,10%,50V,X7R,1005	1	SA	
...4	AD480	2203-006824	C-CER,CHIP;4700nF,10%,10V,X5R,1608	1	SNA	
...4	AD480	2203-006841	C-CER,CHIP;1000nF,10%,16V,X5R,1005	2	SNA	
...4	T0052	2703-002268	INDUCTOR-SMD;8.2nH,5%,1005	4	SNA	
...4	X202	2801-004775	CRYSTAL-SMD;12MHz,30ppm,16pF,30ohm,TP	1	SNA	
...4	L1103	2703-000403	INDUCTOR-SMD;22uH,10%,3225	1	SA	
...4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	2	SA	
...4		BN41-01391B	PCB MAIN;UC5000,FR-4,4,1.2T,192*240,2	1	SNA	
...4		1203-006337	IC-POS.FIXED REG.;G9091-330T11U,SOT-23-	1	SA	
...3		3701-001698	CONNECTOR-DSUB;15P,3ROW,FEMALE,ANGLE,NI	1	SA	
...3	CB01	BN61-04923Q	BRACKET-AV;UC5000 40",PCM,T0.5,BKN-P824,	1	SNA	
...3	T0066	BN62-00040A	HEAT SINK-ES;SAPPHIRE,T2.0,36*36*6.6,BLK	1	SNA	
...3	T0066	BP62-00047A	HEAT SINK-ES;DLP,A6063S,T2.5,13,13,TAPE	2	SNA	
...3		0202-001557	SOLDER-CREAM;LST57-A,D38-63,42SN/57BI/1A	5	SNA	
...3	M0131	BN63-03264A	GASKET;LS27HUB(HUBBLE 27"),Fabric Gasket	1	SNA	
...3	T0562	6046-001015	STAND OFF;#4-40,L5,Ni PLT,C3601,M3	2	SNA	
0.1		BN91-05200A	ASSY LCD;BN07-00849A	1	SNA	
..2	PANEL	BN07-00849A	LCD-PANEL;T320FAE1-DB,CLL4BC1,8bits,32,1	1	SA	
...3	M0590	BN81-04458A	A/S-T CON T320FAE1-DB;T320FAE1-DB	1	SA	
0.1		BN91-05373J	ASSY SHIELD;NEW MODEL	1	SNA	
..2	T0081	6001-000115	SCREW-MACHINE;BH,+,-,M3,L10,ZPC(WHT),SWR	2	SNA	
..2	T0081	6001-002283	SCREW-MACHINE;BH,+,M3,L5,ZPC(WHT),SWRCH1	8	SNA	
..2	P001A	BN44-00351A	DC VSS-LED TV PD BD;PD37AF0E_ZSM,PSLF101	1	SA	
..2	FL06	BN96-13171J	ASSY CABLE P-FFC;UA32C5000QR,FFC,0.5mm,2	1	SA	
..2	CIS1	0203-001586	TAPE-FILAMENT;#893,0.15,25,55	0.5	SNA	
..2		BN73-00272A	SILICON/RUBBER-GAPPAD;UE46B7700,SILICON+	1	SNA	
..2	T0081	6001-002610	SCREW-MACHINE;BH,+,M4,L6,ZPC(BLK),SWRCH1	4	SA	
..2	SCREW	6003-001782	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	1	SA	
..2	M2893	BN39-01267C	LEAD CONNECTOR;LE37B530,UL 2651 AWG#26,1	1	SA	
..2	SP01A	BN98-02400B	ASSY K/D-SPEAKER;BN96-12944B	1	SA	
...3		BN83-01520A	CKD-SPEAKER;LCD350 22inch Speaker label,	1	SNA	
...3		BN83-01667A	CKD-SPEAKER;Rubber Bushing,NBR / 14.5 x	4	SNA	
...3		BN83-01668A	CKD-SPEAKER;Screw,M2.6 x 6.0mm	4	SNA	
...3		BN83-01669A	CKD-SPEAKER;Cushion-1,Nonwoven / 91 / x3	1	SNA	
...3		BN83-01670A	CKD-SPEAKER;Cushion-2,E.V.A / 80 x 10 x1	6	SNA	
...3		BN83-01671A	CKD-SPEAKER;Nonwoven,Nonwoven / 50 x 11	2	SNA	
...3		BN83-01678A	CKD-SPEAKER;Spk unit,90 x 30 x8.8mm / 4o	1	SNA	
...3		BN83-01679A	CKD-SPEAKER;Holder speaker,190 x160 x13m	1	SNA	
...3		BN83-01680A	CKD-SPEAKER;Cushion-3,EVA / 10 x 10 x 1.	2	SNA	
...3		BN83-01813A	CKD-SPEAKER;Holder speaker Bottom,190 x	1	SNA	
...3		BN83-01848A	CKD-SPEAKER;Wire,120mm	1	SNA	
..2	SB05A	BN96-12927B	ASSY BRACKET P-STAND LINK;UC4000 32,SECC	1	SNA	
...3		BN60-00184A	SPACER-FOAM;FOAM,30000mm,DARK GRAY,1T,30	0.12	SNA	

5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...3		BN61-02932G	BRACKET-STOPPER NUT;LED TV,M4,D6,L6.5,BR	3	SNA	
...3		BN61-02932H	BRACKET-STOPPER NUT;LED-TV,M4,D6,L5.0,BL	2	SNA	
...3	M0115	BN61-06163A	BRACKET-STAND LINK;UC6500 32inch,SECC,T2	1	SNA	
0.1		BN92-05577U	ASSY BOX;UC5000 32	1	SNA	
..2		AH68-00509A	LABEL BAR CODE;YP-NDP32SK,TETRON,0.15T,5	1	SNA	
..2	T0527	BH68-20408B	LABEL-05,BOX ARGENTINA;ARGENTINA ALL,XBG	1	SNA	
..2		BN69-04758C	BOX-01,SET;32UC5000-GS,CB,A-01,SW2,YEL,W	2	SNA	
0.1		BN92-05599A	ASSY P/MATERIAL;UC5000 32	1	SNA	
..2	P-CASE	0203-001228	TAPE-OPP MASKING;373,T0.066,W72,L914000,	2.26	SNA	
..2	T0524	6902-000358	BAG PE;HDPE/NITRON,T0.015/T0.5,W900,L700	1	SNA	
..2	T0246	BN69-04589A	CUSHION-SET;UC5000 32inch,EPS,M65	1	SNA	
..2		6902-000622	BAG SHEET;HDPE/NITRON,T0.015/T1.0,W1000,	1	SNA	
0.1		BN92-06249N	ASSY LABEL;NEW MODEL	1	SNA	
..2	T0527	AA68-03752B	LABEL-STICKER;WW,ALL,Art Paper(90g),25,3	1	SNA	
..2		BN68-02599F	LABEL-01,LED POP;U5000(46/40/37/32),PET,	1	SNA	
..2	T0527	BP68-00052B	LABEL-00,RATING;CCTV,TETRON PAPER,T0.05,	1	SNA	
0.1	ACCE1	BN92-06310S	ASSY ACCESSORY;NEW MODEL	1	SNA	
..2	ACCE2	BN96-14691W	ASSY ACCESSORY-CABLE;NEW MODEL	1	SNA	
...3	EC11	3903-000533	CBF-POWER CORD;DT,Argentina,LP-16L,250V,	1	SA	
...3	M0114	BN39-01154C	CBF SIGNAL;Chelsea Slim, STEREO Plug to	1	SA	
...3	M0114	BN39-01154G	CBF SIGNAL;UN40B7000WMXZD,1P/1P*2,30AWG,	1	SA	
...3	M0114	BN39-01154H	CBF SIGNAL;UE40B7000WWXXC,RCA 3PIN,30AWG	2	SA	
...3	M0114	BN61-05373A	HOLDER-WIRE;LB7000 46,NYRON	2	SNA	
...3	M9889	BN63-01798B	CLOTH-CLEAN;cloth,180,200,sea blue,ToC	1	SA	
...3	T0531	BN63-06542A	COVER-BOTTOM;UC6500 32,HIPS,HB,BK0020	1	SA	
...3	EH03A	BN96-10276B	ASSY HOLDER P-RING;09 LEDTV ALL MODEL,AB	1	SA	
....4		6902-000683	BAG ZIPPER;LDPE,T0.05,W60,L60,TRP,4-PE M	1	SNA	
....4	AH365	BN61-05280A	HOLDER-RING;LB7000 46inch,ABS, HB,gray	4	SNA	
...3		BN96-12031D	ASSY ACCESSORY-SCREW;09 LEDTV(40/46/55),	1	SNA	
....4	M0081	6003-000133	SCREW-TAPTYPE;BH,+,-,S,M4,L8,ZPC(BLK),SW	1	SA	
....4		6902-000336	BAG ZIPPER;LDPE,T0.05,W70,L80,TRP,0.500g	1	SNA	
...3		BN96-14099A	ASSY ACCESSORY-CLAMP;10 LEDTV(40/46/55),	1	SNA	
....4		AA65-30023A	CLAMPER CORE-CABLE;NYLON-66,BLK	1	SA	
....4		6902-000336	BAG ZIPPER;LDPE,T0.05,W70,L80,TRP,0.500g	1	SNA	
...3	REMO2	BN98-02497A	ASSY K/D-REMOCON;BN59-01020A	1	SA	
....4	M0014	BN94-03320V	ASSY PCB MAIN;BN59-01020A	1	SNA	
.....5		BN83-01770A	CKD-RUBBER KEY PAD;SILICONE 49 KEY	1	SNA	
.....5		BN83-01771A	CKD-COMMON SPRING;NICO SUS 0.5	1	SNA	
.....5		BN97-04044V	ASSY SMD;BN59-01020A	1	SNA	
.....6		BN83-01774A	CKD-IC-MCU;GC49C501G3	1	SNA	
.....6		BN83-01775A	CKD-PCB;TM1060,1050-RMXXX, REV:00	1	SNA	
.....6		BN83-01777A	CKD-CHIP-CAPACITOR;0603/Y5V/+80~-20%/25V	1	SNA	
.....6		BN83-01778A	CKD-TANTALUM-CAPACITOR;3216 SIZE / 6.3V	1	SNA	
.....6		BN83-01779A	CKD-TACT-SWITCH;ST-1187	1	SNA	
.....6		0202-001477	SOLDER-CREAM;LST309-M,D20~45um,96.5Sn/3A	0.08	SNA	
.....5		0202-001608	SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0.	0.3	SNA	
.....5	L0405	BN83-01257A	CKD-IR-LED;SI-5312H	1	SNA	
.....5		BN83-01772A	CKD-SPRING-REMOCON(+);NICO SUS 0.5	1	SNA	
.....5		BN83-01773A	CKD-SPRING-REMOCON(-);NICO SUS 0.5	1	SNA	
.....5	PE-RMC	AC69-30137A	BAG PE;LDPE,T0.08,80,270,WHT,-,-,-	1	SNA	
.....5	T001	BN63-06810A	COVER-TOP;TM1050,ABS+PMMA,HB,BLK	1	SNA	

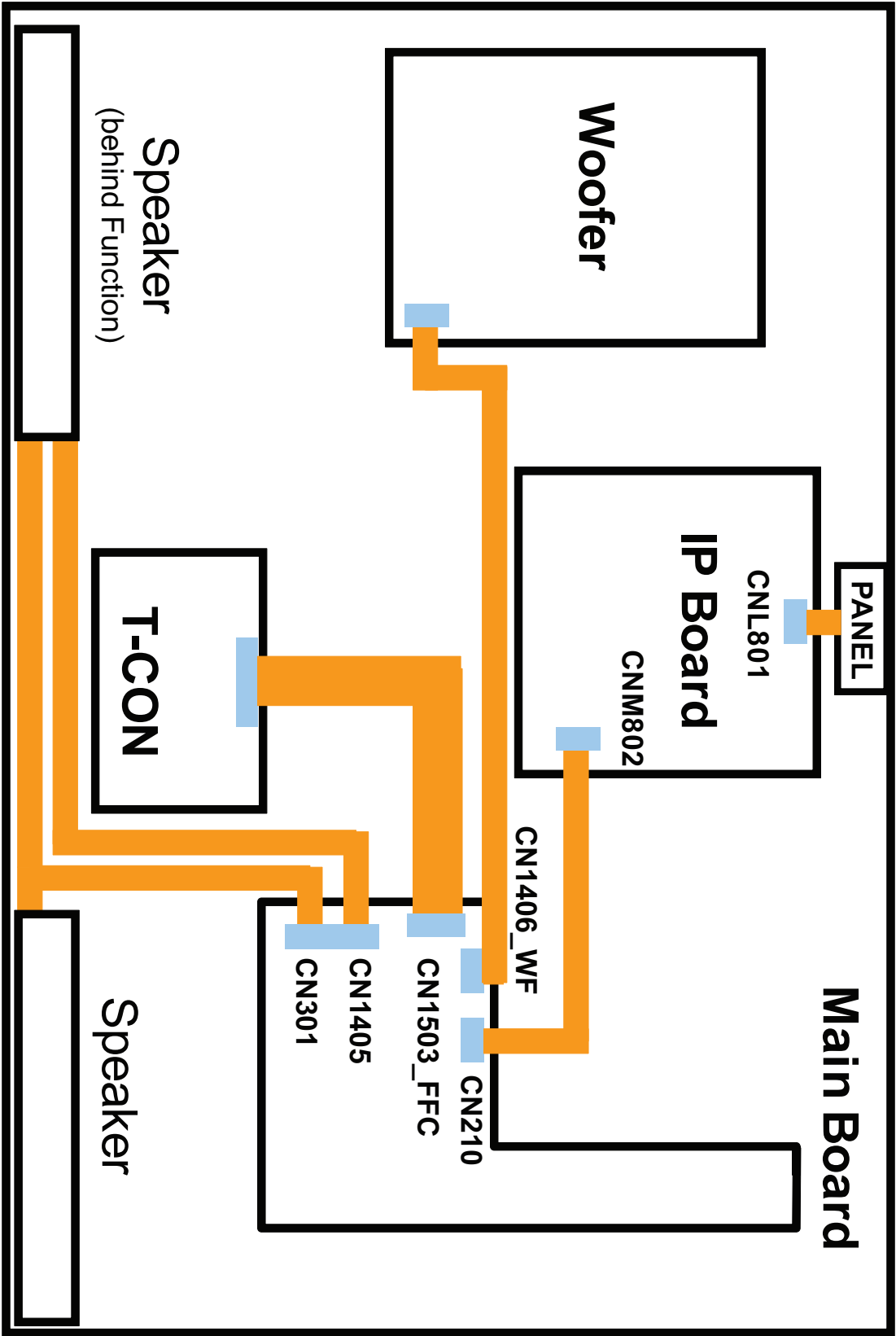
5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
.....5	RS01	BN63-06813A	COVER-REAR SUB;TM1050,ABS,HB,BLK	1	SNA	
.....5	FK12	BN64-01350A	KNOB-ENTER;TM1050,ABS,HB,BLK	1	SNA	
.....5	AK265	BN64-01349A	KNOB-NAVIGATION;TM1050,ABS,HB,BLK	1	SNA	
.....5	RB01	BN63-06812A	COVER-BOTTOM;TM1050,ABS,HB,BLK	1	SNA	
..2		BN96-14729Z	ASSY ACCESSORY-MANUAL;NEW MODEL	1	SNA	
...3	PE BAG	6902-000009	BAG PE;HDPE,T0.03,W240,L400,TRP,8,2,-,5.	1	SNA	
...3		BN68-02768C	MANUAL USERS-IB;Comm,Samsung,Eng/Spa,Arg	1	SNA	
...3		BN81-02301A	A/S-LABEL-E PASS;SEDA,ART PAPER,W42,L12,	1	SNA	

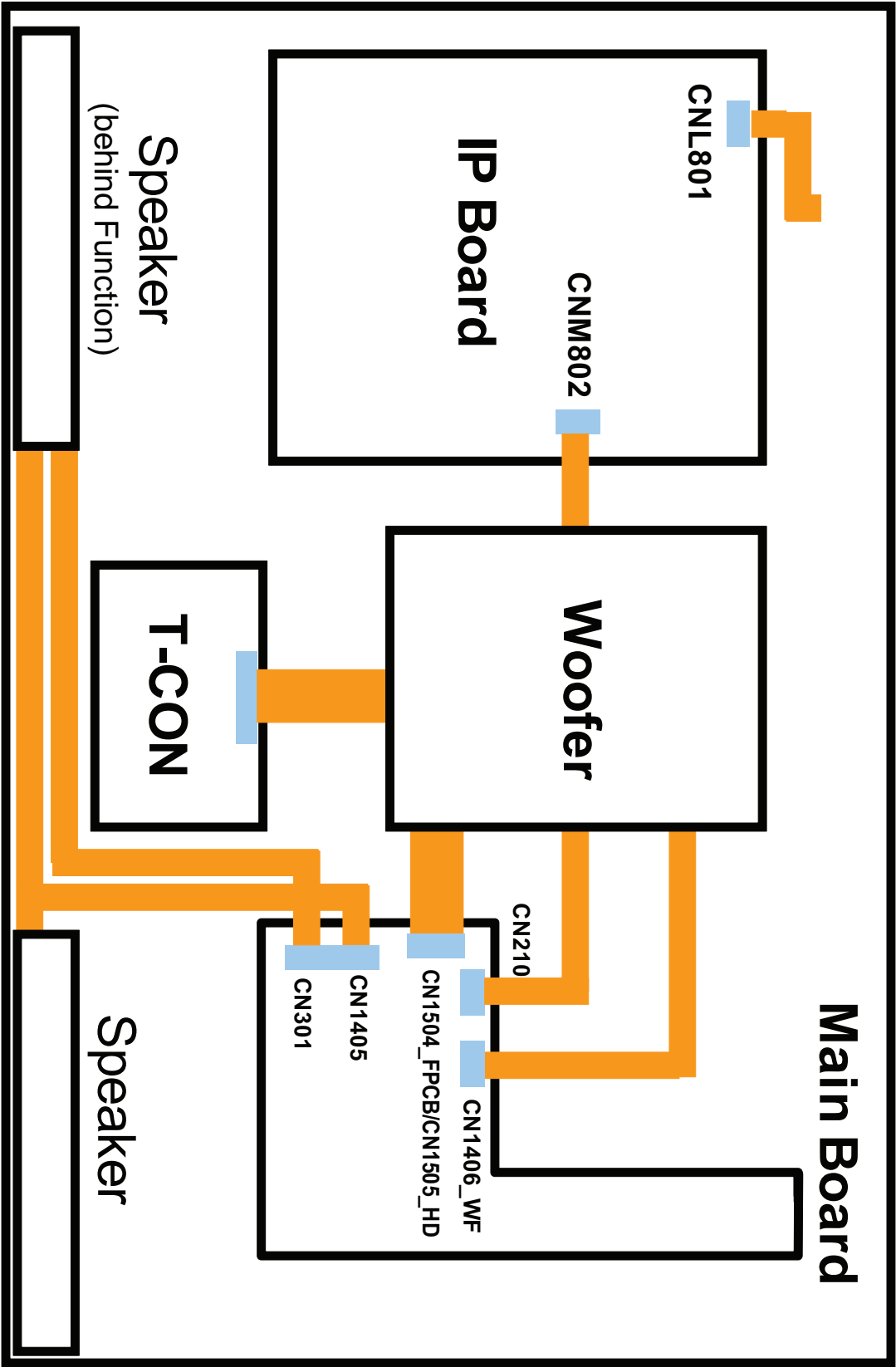
6. Wiring Diagram

6-1. Wiring Diagram

■ UC5000 : 40" / 46"



■ UC5000_4000 : 32"



6-2. Connector

CN1503_FFC (to Panel) C5000			
1	NC	27	EVEN[0]-
2	NC	28	GND
3	NC	29	ODD[4]+
4	NC	30	ODD[4]-
5	NC	31	ODD[3]+
6	NC	32	ODD[3]-
7	FORMAT	33	GND
8	SDA_Panel	34	ODDCLK+
9	TCON_WP	35	ODDCLK-
10	NC	36	GND
11	SDA_Panel	37	ODD[2]+
12	SCL_Panel	38	ODD[2]-
13	GND	39	ODD[1]+
14	EVEN[4]+	40	ODD[1]-
15	EVEN[4]-	41	ODD[0]+
16	EVEN[3]+	42	ODD[0]-
17	EVEN[3]-	43	GND
18	GND	44	GND
19	EVENCLK+	45	GND
20	EVENCLK-	46	NC
21	GND	47	Panel_VCC
22	EVEN[2]+	48	Panel_VCC
23	EVEN[2]-	49	Panel_VCC
24	EVEN[1]+	50	Panel_VCC
25	EVEN[1]-	51	Panel_VCC
26	EVEN[0]+		

CN210 (to Powr board)			
1	B12VS	10	GND
2	A5V	11	GND
3	B12VS	12	H_OUT
4	A5V	13	B13V
5	B5V	14	PWM_DIMMING
6	B5V	15	B13V
7	B5V	16	SW_INVERTER
8	GND	17	B13V
9	GND	18	IP_DET

CN301(FUNCTION)			
1	IR	6	KEY_INPUT1
2	GND	7	KEY_INPUT2
3	A5V	8	LED_STB
4	MSCL	9	FUNC_9
5	MSDA	10	LED_CONTROL

CN1602_E(LAN) C5000			
1	LAN_TX+	7	GND
2	LAN_TX-	8	GND
3	LAN_RX+	9	B3.3V
4	GND	10	PHY_LED_ADDR1
5	GND	11	B3.3V
6	LAN_RX-	12	PHY_LED_ADDR0

CN1102(PC)			
1	PC_RED	9	PC_5V
2	PC_GREEN	10	IDENT_PC
3	PC_BLUE	11	R_FANET
4	T_FANET	12	SDA_DOWN
5	GND	13	PC_HS
6	GND	14	PC_VS
7	GND	15	SCL_DOWN
8	GND		

CN1101(PC/DIV SOUND)			
1	GND	4	NC
2	PC_SR_IN	5	NC
3	PC_SL_IN	6	NC
4	GND		

CN1304_DBG(DEBUG)			
1	GND	4	DEBUG_TX
2	DEBUG_RX	5	DEBUG_TX
3	DEBUG_TX	6	GND
4	GND		

CN701(COMP1 JACK)			
1	GND	9	COMP2_PR
2	COM2_SL	10	GND
3	COM2_SR	11	COMP2_PB
4	GND	12	COMP2_PB
5	COMP2_SR	13	GND
6	COMP2_SL	14	IDENT_COMP2
7	GND	15	COMP2_Y
8	COMP2_PR		

CN1405 (SPEAKER)			
1	R+	3	L+
2	R-	4	L-

CN902_2U (USB 1)			
1	USB_VCC	3	USB_DP
2	USB_DM	4	GND

CN901 (USB 2) C5000			
1	USB_VCC	3	USB_DP
2	USB_DM	4	GND

CN1406_WF (WOOFER)			
1	SW+	3	SW+
2	SW-	4	SW-

CN1201 (HDMI1) C5000			
1	HDMI1_RX2+	11	GND
2	GND	12	HDMI1_RXCLK-
3	HDMI1_RX2-	13	HDMI_CEC
4	HDMI1_RX1+	14	GND
5	GND	15	SCL
6	HDMI1_RX1-	16	SDA
7	HDMI1_RX0+	17	GND
8	GND	18	5V
9	HDMI1_RX0-	19	HPD
10	HDMI1_RXCLK+		

CN1202 (HDMI2)			
1	HDMI2_RX2+	11	GND
2	GND	12	HDMI2_RXCLK-
3	HDMI2_RX2-	13	HDMI_CEC
4	HDMI2_RX1+	14	GND
5	GND	15	SCL
6	HDMI2_RX1-	16	SDA
7	HDMI2_RX0+	17	GND
8	GND	18	5V
9	HDMI2_RX0-	19	HPD
10	HDMI2_RXCLK+		

CN1203 (HDMI3)			
1	HDMI3_RX2+	11	GND
2	GND	12	HDMI3_RXCLK-
3	HDMI3_RX2-	13	HDMI_CEC
4	HDMI3_RX1+	14	GND
5	GND	15	SCL
6	HDMI3_RX1-	16	SDA
7	HDMI3_RX0+	17	GND
8	GND	18	5V
9	HDMI3_RX0-	19	HPD
10	HDMI3_RXCLK+		

CN1204_C5 (HDMI4) C5000			
1	HDMI4_RX2+	11	GND
2	GND	12	HDMI4_RXCLK-
3	HDMI4_RX2-	13	HDMI_CEC
4	HDMI4_RX1+	14	GND
5	GND	15	SCL
6	HDMI4_RX1-	16	SDA
7	HDMI4_RX0+	17	GND
8	GND	18	5V
9	HDMI4_RX0-	19	HPD
10	HDMI4_RXCLK+		


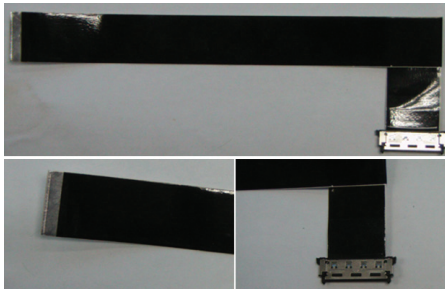
CN1310 (MONITOR OUT)			
1	GND	5	NC
2	OUT_R	6	GND
3	OUT_R	7	NC
4	GND		

6-3. Connector Functions

Connector	Functions
CN210 ↔ IP CNM802	Supply main power and dimming signal from IP board to Main Board.
CN1503_FFC ↔ T-CON CNF1	The LVDS signal transferred from Main Board to Panel .

6-4. Cables

• UC5000

Use	LEAD (Main-IP 18P)	LVDS (Main - TCON)
Code	32" : BN39-01267C 40" : BN39-01267K 46" : BN39-01267K	32" : BN96-13171J 40" : BN96-13171L 46" : BN96-13171M
Photo		

• UC4000

Use	LEAD (Main-IP 18P)	LVDS (Main - TCON)
Code	32" : BN39-01267F	32" : BN96-12469M
Photo	