



LCD-TV

Chassis : GAM32MUS

GAM40MUS

GAM46MUS

GAM52MUS

Model : LN32A650A1F

LN40A650A1F

LN46A650A1F

LN52A650A1F

SERVICE Manual

TFT-LCD TV



LN32A650A1F/LN40A650A1F/
LN46A650A1F/ LN52A650A1F

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GSPN (Global Service Partner Network)

Area	Web Site
North America	http://service.samsungportal.com
Latin America	http://latin.samsungportal.com
CIS	http://cis.samsungportal.com
Europe	http://europe.samsungportal.com
China	http://china.samsungportal.com
Asia	http://asia.samsungportal.com
Mideast & Africa	http://mea.samsungportal.com

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3. Disassembly and Reassemble

This section of the service manual describes the disassembly and reassembly procedures for the LN40A650A1F LCD TV.



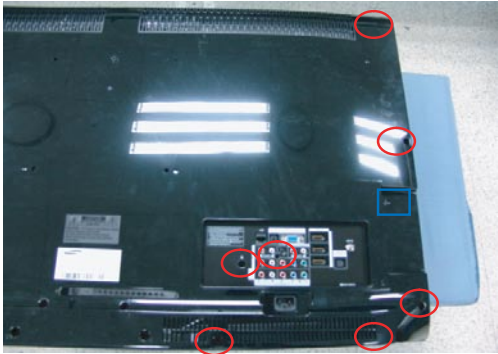



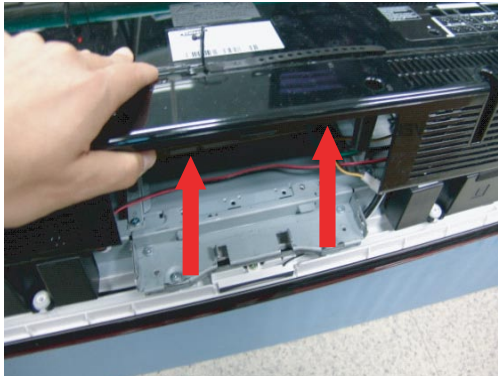
⚠ WARNING: This monitor contains electrostatically sensitive devices. Use caution when handling these components.

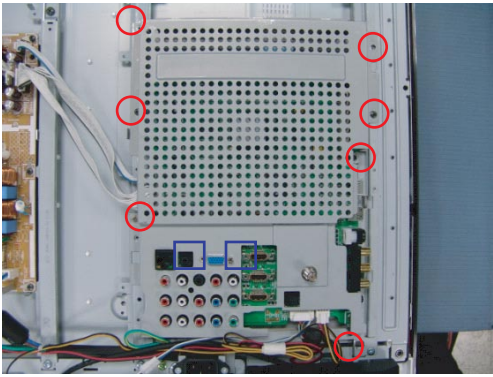




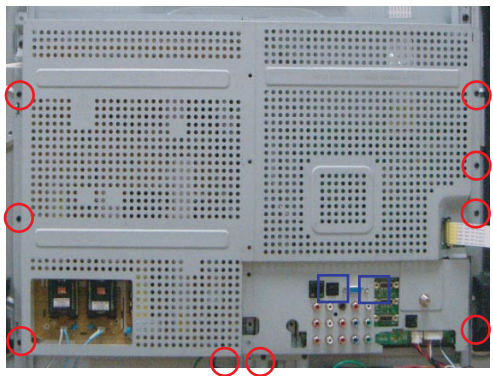




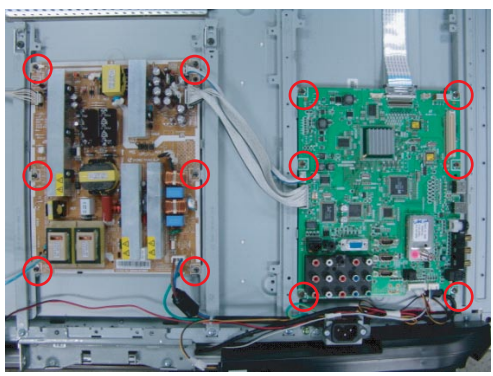


3-1. Disassembly

- ⚠ Cautions:**
- 1. Disconnect the monitor from the power source before disassembly.
 - 2. Follow these directions carefully; never use metal instruments to pry apart the cabinet.


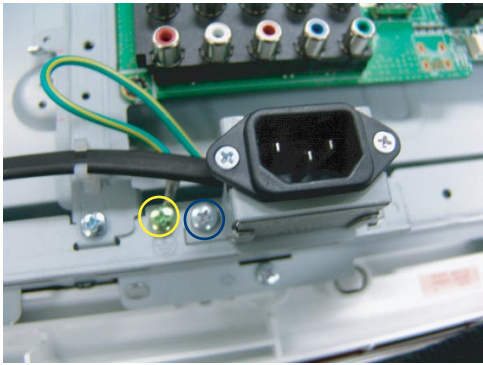




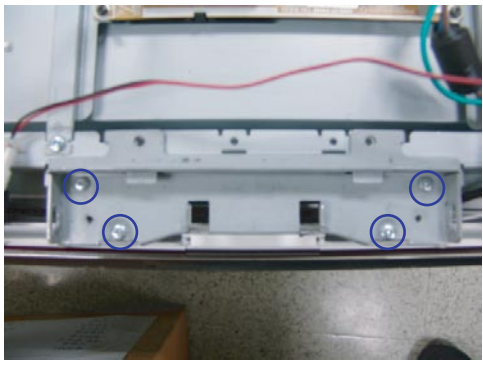


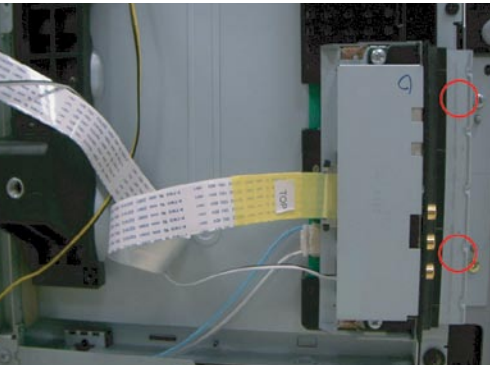


Description	Picture Description	Screws
1. Place monitor face down on cushioned table. Remove screws from the Stand. Remove stand.		
		
		 
		




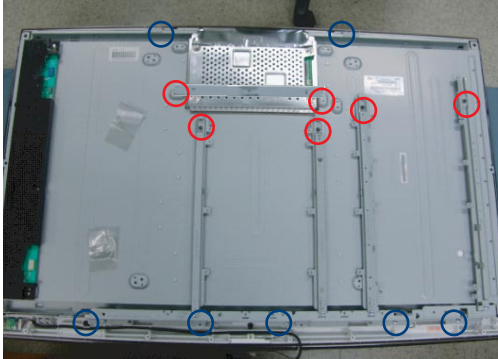




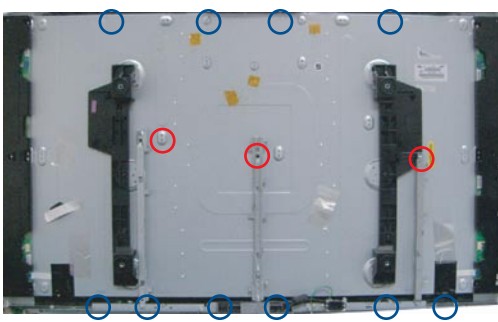





3. Disassembly and Reassemble

Description	Picture Description	Screws
2. Remove the screws of rear-cover.		 
		   
3. Lift up the rear-cover.		
* Fan is used in 40" only		

Description	Picture Description	Screws
4-1. Remove the screws of Scaler board's shield case. (40", 52")		   
4-2. Remove the screws of Scaler board's shield case. (46")		   
4-3. Remove the screws of IP and main board. * 32" model hasn't shield case.		 

3. Disassembly and Reassemble

Description	Picture Description	Screws
5. Remove the speakers and screws of inlet socket.		
		   
6. Remove the screws of Stand BKLT. Lift up the Stand BKLT.		 
7. Remove the Side AV Ass'y (only 46")		 

Description	Picture Description	Screws
8-1. Remove the screws of bracket. (32")		 
8-2. Remove the screws of bracket. (40")		   
8-3. Remove the screws of bracket. (46", 52")		   
<p>* Caution: Don't place excessive pressure on wall mount bracket during disassembly. It may become bent or damaged.</p>		

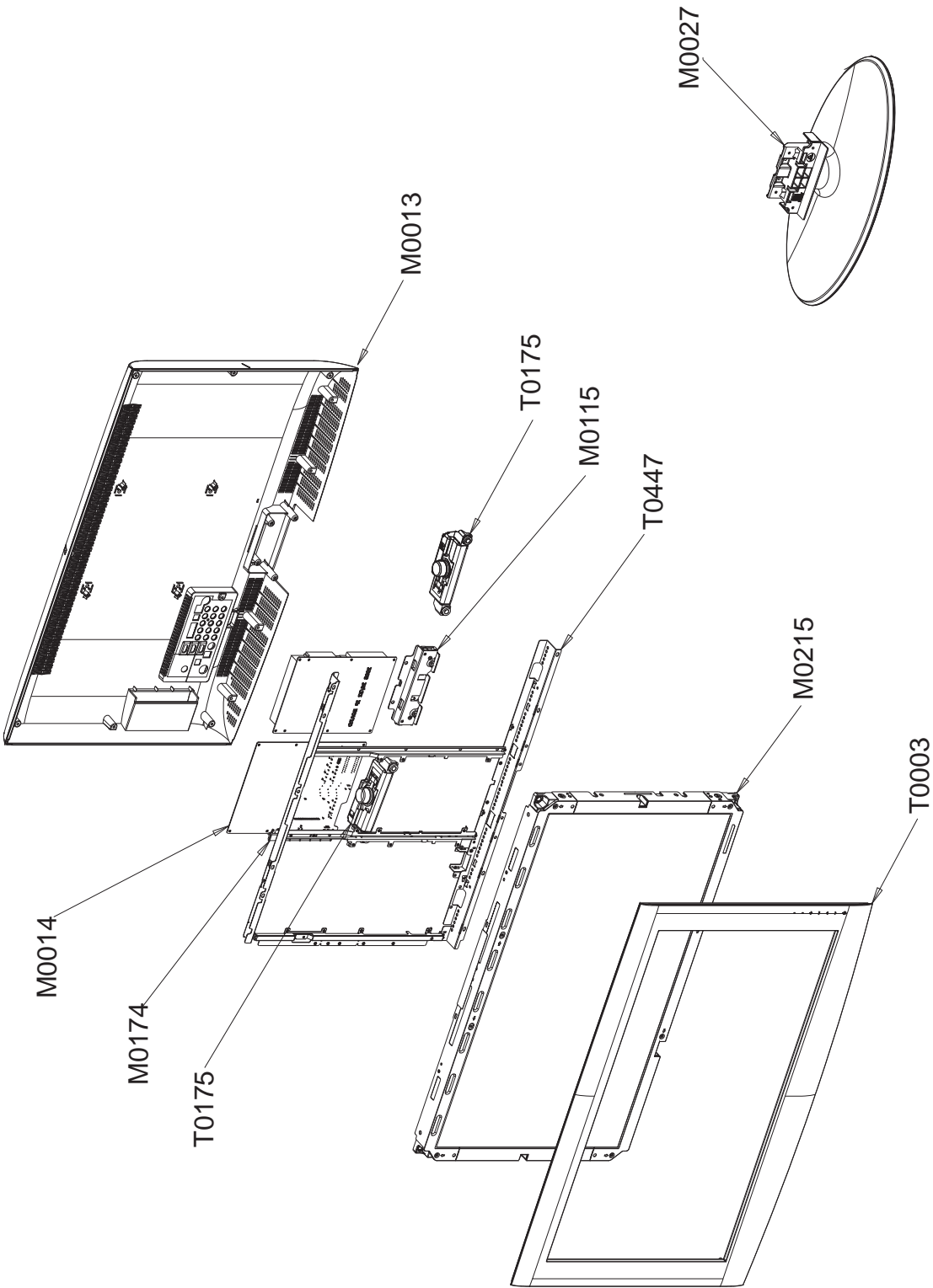
3. Disassembly and Reassemble

Description	Picture Description	Screws
9. Remove the screws on Panel.		 
		
		

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

5. Exploded View & Part List

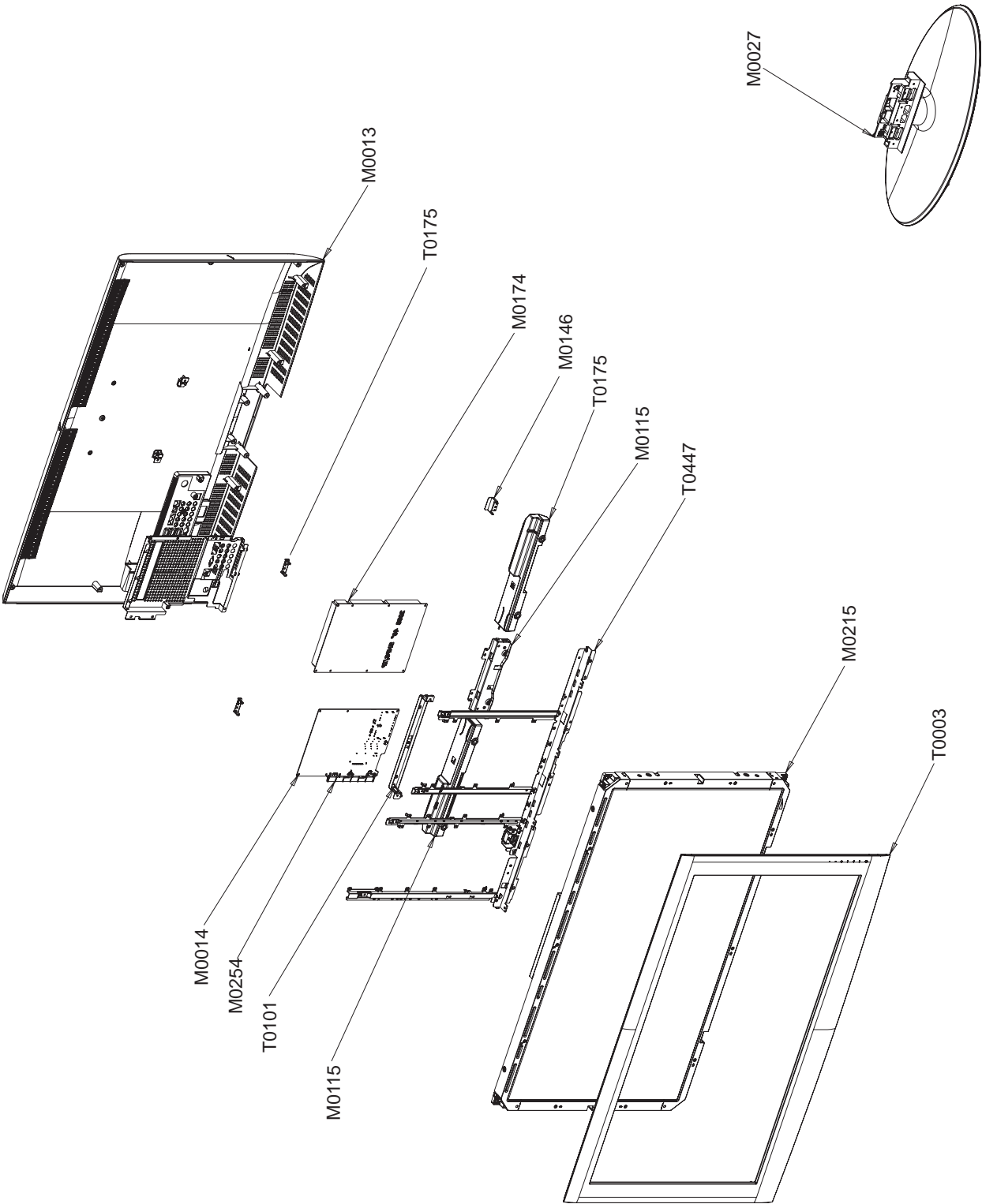
5-1. LN32A650A1F Exploded View



5-1-2. LN32A650A1F Parts List

Location No.	Code No.	Description & Specification	Q'ty	S.A/S.N.A	Remark
T0003	BN96-06840B	ASSY COVER P-FRONT;32,L650A,UO,,PC(CLEAR	1	S.A	
M0215	BN07-00537A	LCD-PANEL;LTF320HA02	1	S.A	
T0447	BN96-04681N	ASSY BRACKET P-PANEL;32,L650,,,,,AMLCD,A	1	S.N.A	
M0115	BN61-02947A	BRACKET-STAND LINK;JASMINE 32",SECC,T1.6	1	S.A	
T0175	BN96-06818B	ASSY SPEAKER P;8ohm,CORAL,L450,10W,4pin,	1	S.A	
M0014	BN94-01666H	ASSY PCB MAIN;LN32A650A1FXZA	1	S.A	
M0013	BN96-06888B	ASSY COVER P-REAR;32,L650,UO,PC+ABS,V0,B	1	S.A	
M0027	BN96-07211B	ASSY STAND P-BASE;32,L650,ABS+PMMA,HB,RD	1	S.A	

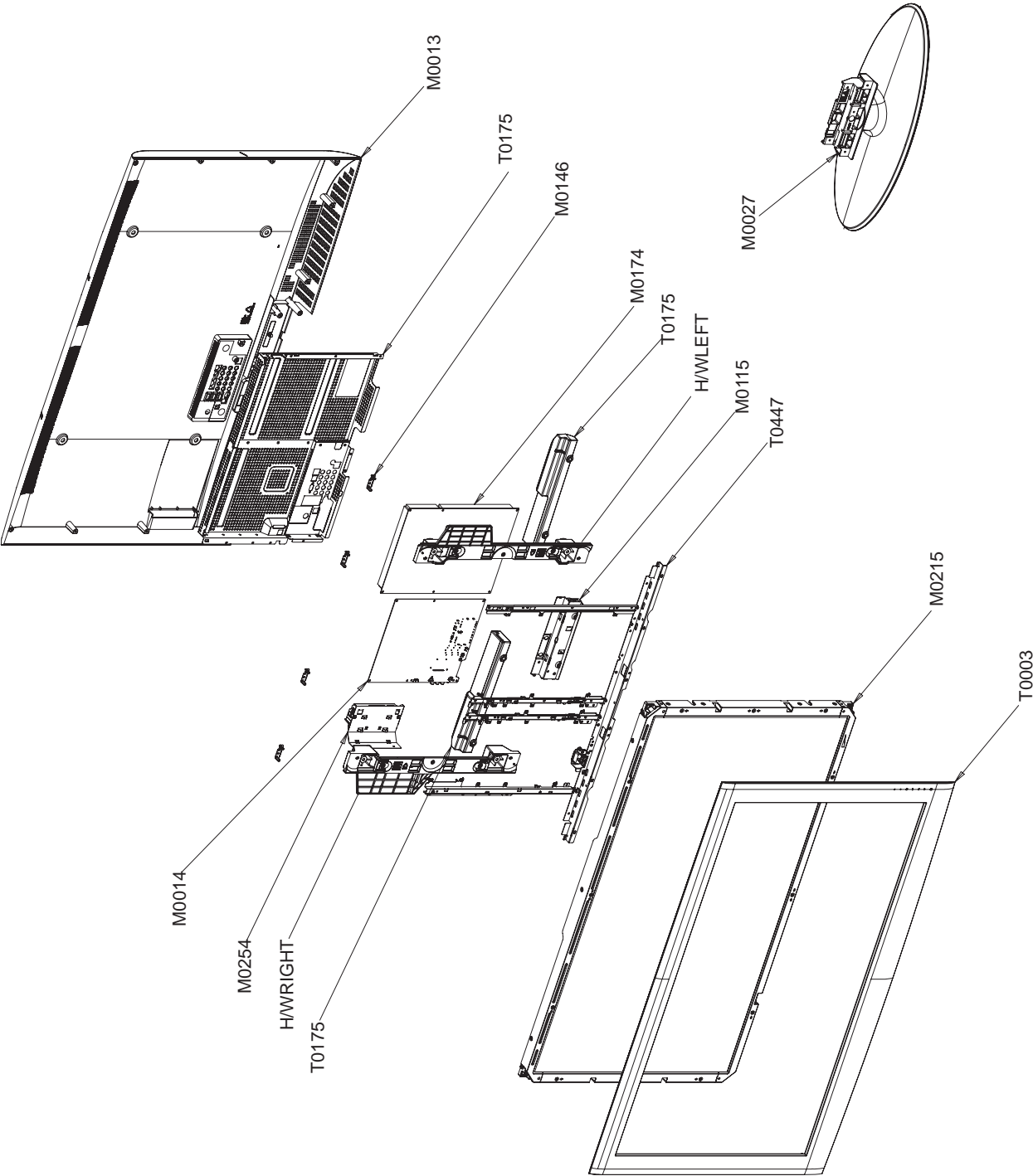
5-2. LN40A650A1F Exploded View



5-1-2. LN40A650A1F Parts List

Location No.	Code No.	Description & Specification	Q'ty	S.A/S.N.A	Remark
T0003	BN96-06842A	ASSY COVER P-FRONT;40,L650A,UO,,PC(CLEAR	1	S.A	
M0215	BN07-00529A	LCD-PANEL;LTF400HC01	1	S.A	
T0447	BN96-06883C	ASSY BRACKET P-PANEL;40,L650,UO,,,,,GASK	1	S.N.A	
T0175	BN96-06809A	ASSY SPEAKER P;8ohm,P750 50",Down Firing	1	S.A	
M0146	BN61-03414A	BRACKET-PANEL TOP;PEONY52,SECC T1.2	2	S.N.A	
M0174	BN44-00198A	IP BOARD;SIP40D,PEARL,15mA,130mA,150Hz,2	1	S.A	
M0115	BN61-02882A	BRACKET-STAND LINK;TULIP,40,SECC,T1.6,-,	1	S.N.A	
T0101	BN61-03348A	BRACKET-WALL;LCD TV 32,SECC T1.2,-,-,-,-	2	S.N.A	
M0254	BN61-02875N	HOLDER-SIDE AV;40,L650,UO,PC+ABS,V0,-,-,	1	S.N.A	
M0014	BN94-01666G	ASSY PCB MAIN;LN40A650A1FXZA	1	S.A	
M0013	BN96-06890A	ASSY COVER P-REAR;40,L650A,UO,,PC+ABS,V0	1	S.A	
M0027	BN96-06259B	ASSY STAND P-BASE;40AA1,ABS+PMMA,HB,RD02	1	S.A	

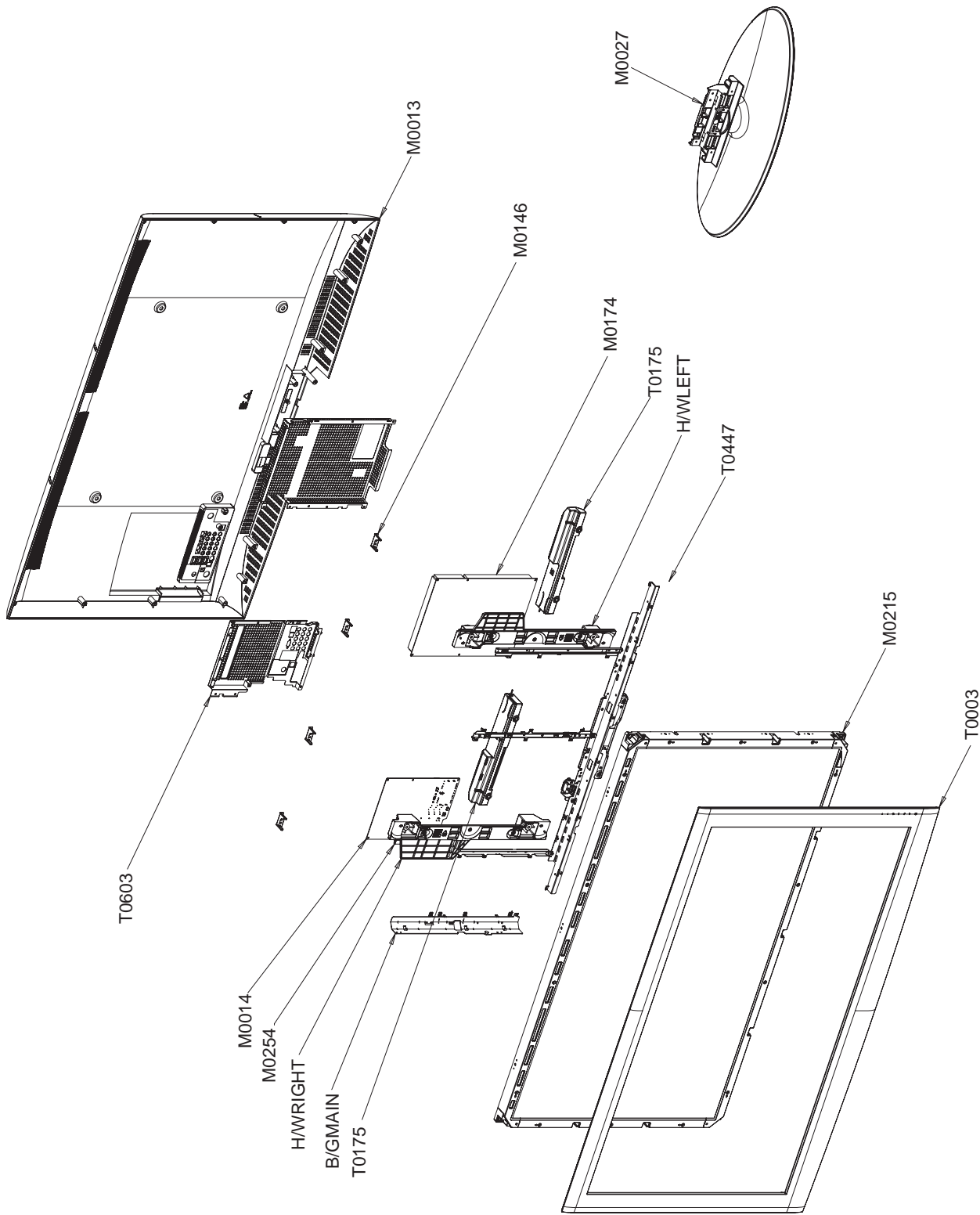
5-3. LN46A650A1F Exploded View



5-3-1. LN46A650A1F Parts List

Location No.	Code No.	Description & Specification	Q'ty	S.A/S.N.A	Remark
T0003	BN96-06844A	ASSY COVER P-FRONT;46,L650A,UO,,PC(CLEAR	1	S.A	
M0215	BN07-00530A	LCD-PANEL;LTF460HE01	1	S.A	
T0447	BN96-06885D	ASSY BRACKET P-PANEL;46,L650,UO,GASKET	1	S.N.A	
M0115	BN61-03790A	BRACKET-STAND LINK;AMBER 46,SECC,T1.6,-,	1	S.N.A	
H/WLEFT	BN61-03788A	HOLDER-WALL LEFT;L650 46,HIPS V0,BK500,L	1	S.N.A	
T0175	BN96-06809A	ASSY SPEAKER P;8ohm,P750 50",Down Firing	1	S.A	
M0174	BN44-00203A	IP BOARD;SIP468A,PEARL,15mA,135mA,150Hz,	1	S.A	
T0175	BN96-06809A	ASSY SPEAKER P;8ohm,P750 50",Down Firing	1	S.N.A	
H/WRIGHT	BN61-03864A	HOLDER-WALL RIGHT;L650 46,HIPS V0,BK500,	1	S.A	
M0254	BN61-03606B	HOLDER-SIDE AV;46,L650,UO,PC+ABS,V0,BK25	1	S.A	
M0146	BN61-03415A	BRACKET-PANEL TOP;PEONY 46,SECC T1.2	1	S.N.A	
M0013	BN96-06892A	ASSY COVER P-REAR;46,L650A,UO,,PC+ABS,V0	1	S.A	
M0027	BN96-06873A	ASSY STAND P-BASE;46,L650A,,ABS+PMMA,HB,	1	S.A	

5-4. LN52A650A1F Exploded View



5-4-1. LN52A650A1F Parts List

Location No.	Code No.	Description & Specification	Q'ty	S.A/S.N.A	Remark
T0003	BN96-06845A	ASSY COVER P-FRONT;52,L650A,UO,,PC(CLEAR	1	S.A	
M0215	BN07-00531A	LCD-PANEL;LTF520HE01	1	S.A	
T0447	BN96-06887C	ASSY BRACKET P-PANEL;52,L650A,UO,AMBER,G	1	S.N.A	
M0174	BN44-00201A	IP BOARD;SIP528A,PEARL,15mA,150mA,150Hz,	1	S.A	
T0175	BN96-06809D	ASSY SPEAKER P;8ohm,Amber,LCD 52",10W,4p	1	S.A	
M0254	BN61-02875N	HOLDER-SIDE AV;40,L650,UO,PC+ABS,V0,-,-,	1	S.A	
M0014	BN94-01666E	ASSY PCB MAIN;LN52A650A1FXZA	1	S.A	
M0146	BN61-03056A	BRACKET-PANEL TOP;TULIP52,SECC,T1.2	4	S.N.A	
M0013	BN96-06893A	ASSY COVER P-REAR;52,L650A,UO,,PC+ABS,V0	1	S.A	
M0027	BN96-06875A	ASSY STAND P-BASE;52,L650A,,ABS+PMMA,HB,	1	S.A	

5-5. LN32A650A1F Parts List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
		LN40A650A1FXZC	LN40A650A1F,N47A/40AA1-GAM,40,LCD-TV,CAN			
0.1	M0001	BN90-01521A	ASSY COVER FRONT;40,L650A,UO,,,AMBER	1	S.N.A	
..2	T0175	BN96-06809A	ASSY SPEAKER P;8ohm,L650 40"/46",Down Fi	1	S.A	
..2	T0003	BN96-06842A	ASSY COVER P-FRONT;40,L650A,UO,,PC(CLEAR	1	S.A	
...3	M0081	6003-001188	SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S	1	S.A	
...3	CCM1	BN63-02183H	COVER-SHEET;Rhcm,PE Vinyl,T0.05,1300mm,2	0.7	S.N.A	
...3	M0112	BN63-04141A	COVER-FRONT;40,L650A,UO,PC(CLR)+PC(ROSE	1	S.N.A	
...3	A/HBBOTTOM	BN96-06849B	ASSY HOLDER P-BOSS BOTTOM;40,L650A,,ABS,	1	S.N.A	
....4	A/HBB	BN61-03261N	BOSS-TAPE;AMBER,ACRYL,T1.1,W20.0mm,WHITE	0.9	S.N.A	
....4	H/BBOTTOM	BN61-03808B	HOLDER-BOSS BOTTOM;40,L650,ABS,V0,WH12,A	1	S.N.A	
....4		BN61-03261S	BOSS-TAPE;AMBER,ACRYL,T1.1,W20.0mm,WHITE	0.059	S.N.A	
...3	A/HBTOP	BN96-06850B	ASSY HOLDER P-BOSS TOP;40,L650A,,ABS,V0(1	S.N.A	
....4	A/HBB	BN61-03261K	BOSS-TAPE;AMBER,ACRYL,T1.1,W8.0mm,WHITE,	1	S.N.A	
....4	H/BTOP	BN61-03809B	HOLDER-BOSS TOP;40,L650,ABS,V0,WH12,AMBE	1	S.N.A	
....4	A/HBB	BN61-03261R	BOSS-TAPE;AMBER,ACRYL,T1.1,W16.0mm,WHITE	0.05	S.N.A	
...3	F/C	BN96-07656A	ASSY HOLDER P-BOSS SIDE;40,L650,,PC V1 R	2	S.N.A	
....4		BN61-03261H	BOSS-TAPE;Tulip,ACRYL,T1.1,W8.0mm,GRAY,T	0.07	S.N.A	
....4		BN61-04079A	HOLDER-BOSS SIDE;40,L650,PC+ABS,V0,-,-,-	1	S.N.A	
...3	M0175	BN96-07244B	ASSY BOARD P-TOUCH FUNCTION&IR;LN46A650A	1	S.A	
...3	T0069	BN60-00092A	SPACER-FELT;40A650,890*,T0.5,W21*	2	S.N.A	
...3	T0069	BN60-00098A	SPACER-FELT;40A650,L502*,T0.5,W28*	2	S.N.A	
...3	CCM1	BN63-04755A	COVER-SHEET;AMBER,PE,T0.05,W150mm,200M,6	3.8	S.N.A	
0.1	M0002	BN90-01526A	ASSY COVER REAR;40,L650A,UO,,,AMBER	1	S.N.A	
..2	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	1	S.A	
..2	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	11	S.A	
..2	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	1	S.A	
..2	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	1	S.A	
..2	M0081	6003-000115	SCREW-TAPTITE;BH,+,-,B,M3,L6,ZPC(BLK),SWRC	1	S.A	
..2	M0013	BN96-06890A	ASSY COVER P-REAR;40,L650A,UO,,PC+ABS,V0	1	S.A	
...3	M0081	6003-001188	SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S	2	S.A	
...3	T0069	AA60-00091J	SPACER-FELT;-,-,FELT,330X10,-,-,BLK,T0.5,-	2	S.N.A	
...3	T0101	BN61-03348A	BRACKET-WALL;LCD TV 32,SECC T1.2,-,-,-,-	2	S.N.A	
...3	CCM1	BN63-02183G	COVER-SHEET;Rhcm,PE Vinyl,T0.05,1100mm,2	0.99	S.N.A	
...3	M0006	BN63-04301A	COVER-REAR;40,L650A,UO,PC+ABS,-,-,-,V0,-	1	S.N.A	
...3	T0071	BN64-00807B	INLAY-TERMINAL;L650,UO,PS SHEET,T0.3,-,-	1	S.N.A	
...3	T0064	BN65-00002A	CLAMPER CORE;BORDEAUX,LDPE,-,-,BLK,-	1	S.N.A	
0.1	M0216	BN90-01531A	ASSY STAND;40,L650A,,,RD02,AMBER	1	S.N.A	
..2	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	4	S.A	
..2	M0027	BN96-06259B	ASSY STAND P-BASE;40AA1,ABS+PMMA,HB,RD02	1	S.A	
...3	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	4	S.A	
...3	M0081	6003-001239	SCREW-TAPTITE;FH,+,-,B,M4,L10,ZPC(WHT),S	8	S.A	
...3	H/WRTOP	BN61-02248A	HOLDER-SWIVEL RING;40R71,ACETAL NATUAL,T	1	S.N.A	
...3	B/SBOTTOM	BN61-02883A	BRACKET-STAND BOTTOM;BORDEAUX PLUS,40,SE	1	S.N.A	
...3	H/SRBOTTOM	BN61-02885A	HOLDER-SWIVEL RING;MURANO40,ACETAL NATUR	1	S.N.A	
...3	B/HINGE	BN61-02886A	BRACKET-HINGE SWIVEL;BORDEAUX PLUS,40,SE	1	S.N.A	

5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...3	T0920	BN61-03681A	GUIDE-STAND;40L450,PC+GF 20%,,-,BK500	1	S.N.A	
...3	CCM1	BN63-02183E	COVER-SHEET;Rhcm,PE Vinyl,T0.05,750mm,20	0.5	S.N.A	
...3	T0004	BN63-03030C	COVER-STAND BASE;40AA1,ABS+PMMA,HB,RD02,	1	S.N.A	
...3	M0126	BN73-00052C	RUBBER-FOOT;LCD TV,CR RUBBER,T2.0 DIA19,	4	S.N.A	
0.1	A/SHIELD	BN91-02039A	ASSY SHIELD-SQD;LN40A650A1FXZA,AMLCD, N4	1	S.N.A	
..2	M0081	6003-000115	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC	5	S.A	
..2	M0081	6003-000115	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC	6	S.A	
..2	M0081	6003-000115	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC	7	S.A	
..2	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	3	S.A	
..2	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	1	S.A	
..2	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	1	S.A	
..2	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	2	S.A	
..2	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	2	S.A	
..2	M0081	6003-001188	SCREW-TAPTITE;BH,+,B,M4,L10,ZPC(WHT),S	1	S.A	
..2	M0081	6003-001188	SCREW-TAPTITE;BH,+,B,M4,L10,ZPC(WHT),S	5	S.A	
..2	M0081	6003-001188	SCREW-TAPTITE;BH,+,B,M4,L10,ZPC(WHT),S	2	S.A	
..2	M0081	6003-001188	SCREW-TAPTITE;BH,+,B,M4,L10,ZPC(WHT),S	2	S.A	
..2	M0081	6003-001188	SCREW-TAPTITE;BH,+,B,M4,L10,ZPC(WHT),S	2	S.A	
..2	M0081	6003-001439	SCREW-TAPTITE;BH,+,S,M4,L8,ZPC(WHT),SW	2	S.N.A	
..2	M0081	6003-001439	SCREW-TAPTITE;BH,+,S,M4,L8,ZPC(WHT),SW	1	S.N.A	
..2	M2893	BN39-00674A	LEAD CONNECTOR;LNR469DX/XAA,UL1007#26,5P	1	S.A	
..2	M2893	BN39-00802F	LEAD CONNECTOR;LE46S86BDX,UL1007#26,24PI	1	S.A	
..2	M2893	BN39-00830C	LEAD CONNECTOR;LN40A450C1D,UL3443 #28,7P	1	S.A	
..2	M2893	BN39-01024A	LEAD CONNECTOR;LN46A550P1FXZA,UL1007#26,	1	S.A	
..2	M0174	BN44-00198A	IP BOARD;SIP40D,PEARL,15mA,130mA,150Hz,2	1	S.A	
..2	M0114	BN61-02500A	HOLDER-WIRE;NYLON6.6,NATURAL	1	S.N.A	
..2	M0254	BN61-02875N	HOLDER-SIDE AV;40,L650,UO,PC+ABS,V0,-,-,	1	S.N.A	
..2	M0115	BN61-02882A	BRACKET-STAND LINK;TULIP,40,SECC,T1.6,-,	1	S.N.A	
..2	M0146	BN61-03414A	BRACKET-PANEL TOP;PEONY52,SECC T1.2	2	S.N.A	
..2	M0214	BN96-07161G	ASSY CABLE P-FLAT LVDS;LN40A650A1FXZA,FF	1	S.A	
..2	M0114	BP61-01088A	HOLDER-WIRE;SVP-42L6,NYLON	2	S.N.A	
..2	T0066	BN62-00036A	HEAT SINK-ES;AMBER,A6063,T1.0,40*40*15,B	1	S.N.A	
..2	M0125	BN96-04817B	ASSY INLET P;LNT4081FX,XAA,250mm,250mm,-	1	S.A	
..2	T0136	BN31-00014C	FAN;G6015S12B2-DA-OC,AMBER,PBTP	1	S.A	
..2	T0562	6046-001013	STAND OFF;M3,L5,Ni PLT,SUM24L,#4-40	2	S.N.A	
..2	T0447	BN96-06883C	ASSY BRACKET P-PANEL;40,L650,UO,,,,,GASK	1	S.N.A	
...3	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	1	S.A	
...3	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	1	S.A	
...3	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	2	S.A	
...3	M0131	AA63-01438A	GASKET;Bordeaux,Conductive Fabric,7mm,8m	1	S.N.A	
...3		BN61-02879A	BRACKET-GUIDE MAIN;TULIP,40,GPSP,T1.2	1	S.N.A	
...3		BN61-02880A	BRACKET-GUIDE POWER R;TULIP,40,gpsp,T1.2	1	S.N.A	
...3		BN61-03831A	BRACKET-GUIDE POWER L;AMBER 40,SECC,T1.2	1	S.N.A	
...3		BN61-03835A	BRACKET-GUIDE POWER R;AMBER 40,SECC,T1.2	1	S.N.A	
...3		BN61-03861A	BRACKET-PANEL BOTTOM;L450 40INCH,GPSP,T1	1	S.N.A	
...3	M0131	BN63-03519A	GASKET;Tulip,Conductive Fabric,14mm,10mm	3	S.N.A	
..2	T0175	BN96-07193F	ASSY SHIELD P-PCB MAIN;40,L650,UO,SECC,T	1	S.N.A	
...3		AA63-01388A	GASKET-EMI,SPONGE;SP-P300M,Conductive Fa	2	S.N.A	
...3	M0131	BN63-02627A	GASKET;Oxford,Conductive Fabric,8,13,30,	1	S.N.A	
...3	M0131	BN63-03480A	GASKET;LNT4642HX/XAA,Polyurethane Foam,1	2	S.N.A	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...3	T0603	BN63-04303A	SHIELD-PCB MAIN;AMBER 40,SECC,T0.5,-,-,-	1	S.N.A	
..2	M0523	BN96-08176A	ASSY BRACKET P-WALL;L650 40,SECC,T1.0	1	S.N.A	
...3	T0069	AA63-60131A	SPACER-FELT;SVP403J,FELT,-,-,-,BLK,T0.5,	1	S.N.A	
...3	T0101	BN61-03834A	BRACKET-WALL;AMBER 40,SECC,T1.2,-,-,-,-	1	S.N.A	
0.1	M0017	BN91-02042C	ASSY CHASSIS;LN40A650A1FXZA,N47A	1	S.N.A	
..2	M0014	BN94-01666G	ASSY PCB MAIN;LN40A650A1FXZA	1	S.A	
...3	T0245	0202-001608	SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0.	0.25	S.N.A	
...3	X1001	2801-004732	CRYSTAL-UNIT;27MHz,30ppm,28-AAM,12pF,30o	1	S.A	
...3	CN401	3701-001294	CONNECTOR-DSUB;15P,3R,FEMALE,STRAIGHT,AU	1	S.A	
...3	CN503B	3701-001388	CONNECTOR-HDMI;20P,Phosphor Bronze,ANGLE	1	S.A	
...3	CN906	3707-001081	CONNECTOR-OPTICAL;STRAIGHT,SPDIF	1	S.A	
...3	CN330	3711-000058	HEADER-BOARD TO CABLE;BOX,4P,1R,2.5MM,AN	1	S.A	
...3	CN330	3711-004484	HEADER-BOARD TO CABLE;BOX,5P,1R,2mm,STRA	1	S.A	
...3	CN330	3711-004531	HEADER-BOARD TO CABLE;BOX,10P,1R,2mm,ANG	1	S.A	
...3	CN330	3711-005842	HEADER-BOARD TO CABLE;BOX,24P,2R,2MM,STR	1	S.A	
...3	JA330	3722-000143	JACK-PHONE;1P(VER),AG,BLK,ANGLE	1	S.A	
...3	JA330	3722-001061	JACK-PHONE;1P,3.6PI,AG,BLK,N	1	S.A	
...3	CN303B	3722-002275	JACK-DIN;4P,-,SN,BLK,-	1	S.A	
...3	U1601	3722-002426	JACK-MODULAR;8P/8C,-,N,STRAIGHT,GRN/YEL,	1	S.A	
...3	CN501B	3722-002546	JACK-USB;4P/1C,AU,BLK,ANGLE,A type	1	S.N.A	
...3	JA333	3722-002697	JACK-PIN;14P+1P(Shield+Gnd),NI,BLACK,STR	1	S.A	
...3	JA333	3722-002728	JACK-PIN;3P, SHIELD,NI,RED/WHT/YEL,ANGLE	1	S.A	
...3	CIS3	AA40-00177A	TUNER;TDQU6-K01A,TDQU6-K01A,NTSC/ATSC,18	1	S.A	
...3	T0066	BN62-00003A	HEAT SINK-ES;NK,SUN,A6063S,T2.5,W28,L28,	1	S.N.A	
...3	T0174	BN97-02044J	ASSY SMD;LN40A650A1FXZA	1	S.N.A	
....4	SUB05	0202-001477	SOLDER-CREAM;LST309-M,-,D20~45um,96.5Sn/	3.253	S.N.A	
....4	D101	0401-000133	DIODE-SWITCHING;RLS4148,75V,150mA,LL-34,	1	S.A	
....4	D105	0401-000133	DIODE-SWITCHING;RLS4148,75V,150mA,LL-34,	1	S.A	
....4	D1601	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D1602	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D1603	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D1604	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D1605	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D413	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D417	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D418	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D421	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D423	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D424	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D451	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D452	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D457	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D464	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D507	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D508	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D509	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D510	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D511	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D512	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D513	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	

5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	D514	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D515	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D516	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D701	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D801	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D802	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D803	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D804	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D805	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D806	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D807	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D813	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D814	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D1503	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	S.A	
....4	D1504	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	S.A	
....4	D1505	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	S.A	
....4	D1506	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	S.A	
....4	D1510	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	S.A	
....4	D1511	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	S.A	
....4	D1512	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	S.A	
....4	D1513	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	S.A	
....4	D0254	0402-000553	DIODE-SCHOTTKY;SS24/B240,40V,2000mA,DO-2	1	S.A	
....4	D103	0402-001098	DIODE-RECTIFIER;SK34,40V,3A,SMC,TP	1	S.A	
....4	D1501	0403-000002	DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD	1	S.A	
....4	D440	0403-000002	DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD	1	S.A	
....4	D441	0403-000002	DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD	1	S.A	
....4	D442	0403-000002	DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD	1	S.A	
....4	D517	0403-000002	DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD	1	S.A	
....4	D404	0403-000771	DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD	1	S.A	
....4	D405	0403-000771	DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD	1	S.A	
....4	D406	0403-000771	DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD	1	S.A	
....4	D502	0403-000771	DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD	1	S.A	
....4	D504	0403-000771	DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD	1	S.A	
....4	D505	0403-000771	DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD	1	S.A	
....4	D811	0403-000771	DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD	1	S.A	
....4	D204	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D207	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D208	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D209	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D210	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D211	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D212	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D213	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D214	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D215	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D216	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D218	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D219	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D220	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D221	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D222	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	D223	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D224	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D225	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D226	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D227	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D228	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D229	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D230	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D231	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D232	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D233	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D234	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D235	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D236	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D237	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D303B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D304B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D307B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D308B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D309B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D310B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D312B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D313B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D314B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D315B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D316B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D317B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D318B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D319B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D320B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D321B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D322B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D407	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D411	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D412	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D443	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D444	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D445	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D446	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D447	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D448	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D449	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D450	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D458	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D465	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D506	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D1514	0403-001174	DIODE-ZENER;VLZ8V2B,7.78-8.19V,500mW,SOD	1	S.A	
....4	D702	0403-001425	DIODE-ZENER;BZX84C33,31-35V,350mW,SOT-23	1	S.A	
....4	D205	0406-001172	DIODE-TVS;CDS3C30GTH,48/-/50V,SMD	1	S.A	
....4	D206	0406-001172	DIODE-TVS;CDS3C30GTH,48/-/50V,SMD	1	S.A	
....4	D501	0406-001181	DIODE-TVS;NUP4201MR6,6/-/V,500W,TSOP-6	1	S.A	

5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	D408	0406-001271	DIODE-TVS;RCLAMP0524P,6/-/-V,150W,SLP251	1	S.A	
....4	D409	0406-001271	DIODE-TVS;RCLAMP0524P,6/-/-V,150W,SLP251	1	S.A	
....4	D460	0406-001271	DIODE-TVS;RCLAMP0524P,6/-/-V,150W,SLP251	1	S.A	
....4	D461	0406-001271	DIODE-TVS;RCLAMP0524P,6/-/-V,150W,SLP251	1	S.A	
....4	D462	0406-001271	DIODE-TVS;RCLAMP0524P,6/-/-V,150W,SLP251	1	S.A	
....4	D463	0406-001271	DIODE-TVS;RCLAMP0524P,6/-/-V,150W,SLP251	1	S.A	
....4	D808	0407-000123	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	1	S.A	
....4	D809	0407-000123	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	1	S.A	
....4	D810	0407-000123	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	1	S.A	
....4	Q1001	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q102	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q103	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q1501	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q1504	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q1506	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q701	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q802	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q803	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q804	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q805	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q806	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q901	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q1502	0501-000669	TR-SMALL SIGNAL;KTA1505Y,PNP,150mW,SOT-2	1	S.A	
....4	Q1601	0501-000669	TR-SMALL SIGNAL;KTA1505Y,PNP,150mW,SOT-2	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-002169	FET-SILICON;Si4435BDY-T1-E3,P,-30V,-9.1A	1	S.N.A	
....4	IC104	0801-002633	IC-CMOS LOGIC;7WBD3125,2bit BUS SWITCH,S	1	S.A	
....4	IC104	0801-002633	IC-CMOS LOGIC;7WBD3125,2bit BUS SWITCH,S	1	S.A	
....4	IC104	0801-002633	IC-CMOS LOGIC;7WBD3125,2bit BUS SWITCH,S	1	S.A	
....4	IC104	0801-002780	IC-CMOS LOGIC;74LVC1G17,SCHMITT-TRIGGER	1	S.A	
....4	IC804	1001-001109	IC-ANALOG SWITCH;FST3125M,BUS SWITCH & C	1	S.A	
....4	IC106	1001-001513	IC-VIDEO SWITCH;TMDS351PAG,TQFP,64P,9x9m	1	S.A	
....4	IC201	1006-001266	IC-LINE TRANSCEIVER;SP3232EEY,TSSOP,16P,	1	S.A	
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x	1	S.A	
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x	1	S.A	
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x	1	S.A	
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x	1	S.A	
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x	1	S.A	
....4	IC112	1103-001289	IC-EEPROM;93C46,1Kbit,128x8/64x16Bit,SOP	1	S.A	
....4	IC112	1103-001385	IC-EEPROM;AT24C256,256Kbit,32Kx8,SOP,8P,	1	S.A	
....4	IC113	1105-001835	IC-DRAM;K4T51163QE-ZCE7,DDR2 SDRAM,512Mb	1	S.A	
....4	IC113	1105-001835	IC-DRAM;K4T51163QE-ZCE7,DDR2 SDRAM,512Mb	1	S.A	
....4	DU410	1201-000166	IC-OP AMP;LM358,SOP,ST,8P,150MIL,DUAL,10	1	S.A	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	T0124	1201-002678	IC-POWER AMP;STA335BWS,PSSO,36P,10.3x7.5	1	S.A	
....4	IC012	1203-001519	IC-POS1.ADJUST REG.;LM317,SOT223,3P,274	1	S.A	
....4	T0087	1203-001815	IC-POS1.FIXED REG.;78M09,TO-252,3P,-,PLA	1	S.A	
....4	T0087	1203-001815	IC-POS1.FIXED REG.;78M09,TO-252,3P,-,PLA	1	S.A	
....4	T0087	1203-002835	IC-POS1.FIXED REG.;KIA7805AF,DPAK,3P,6.6	1	S.A	
....4	T0087	1203-002842	IC-POS1.FIXED REG.;AP1117D-33A,TO-252,3P	1	S.A	
....4	T0087	1203-002842	IC-POS1.FIXED REG.;AP1117D-33A,TO-252,3P	1	S.A	
....4	T0170	1203-003059	IC-SWITCH VOL. REG.;MP1583,SOIC,8P,4.9x3	1	S.A	
....4	IC062	1203-003183	IC-MULTI REG.;SI-3002KWM-TL,DPAK,5P,6.6X	1	S.A	
....4	IC501	1203-003394	IC-POWER SUPERVISOR;MIC2544-1YM,SOP,8P,4	1	S.A	
....4	T0087	1203-003696	IC-POS1.FIXED REG.;NCP1117DT18T5G,DPAK,3	1	S.A	
....4	T0087	1203-003696	IC-POS1.FIXED REG.;NCP1117DT18T5G,DPAK,3	1	S.A	
....4	IC1503	1203-004364	IC-VOL. DETECTOR;RT9818C-42PV,SOT-23,3P,	1	S.A	
....4	IC802	1203-004364	IC-VOL. DETECTOR;RT9818C-42PV,SOT-23,3P,	1	S.A	
....4	T0170	1203-004868	IC-SWITCH VOL. REG.;MP2363,SOIC,8P,4.9x3	1	S.A	
....4	IC1001	1204-002814	IC-DECODER;S4LJ003X,PBGA,816P,35x35mm,PL	1	S.A	
....4	IC1502	1204-002822	IC-AUDIO PROCESSOR;SGTV5910,PLASTIC,100P	1	S.N.A	
....4	IC1601	1205-002941	IC-ETHERNET CONTROLLER;RTL8100CL-LF,LQFP	1	S.N.A	
....4	IC601	1205-003410	IC-RECEIVER;MST336CCLK-LF-170,LQFP,144P,	1	S.A	
....4	IC1002	1209-001794	IC-PLL;ICS475G-16,TSSOP,16P,5.0x4.4mm,PL	1	S.A	
....4	IC805	1405-001185	VARISTOR;24Vdc,1.6x0.8x0.36mm,TP	1	S.A	
....4	R110	2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000060	R-CHIP;100Kohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	S.A	

5. Exploded View & Part List

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Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007319	R-CHIP;390ohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007319	R-CHIP;390ohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007587	R-CHIP;3.6Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007797	R-CHIP;44.2ohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-008596	R-CHIP;0.1ohm,1%,1/4W,TP,3216	1	S.A	
....4	R110	2007-008596	R-CHIP;0.1ohm,1%,1/4W,TP,3216	1	S.A	
....4	R110	2007-008596	R-CHIP;0.1ohm,1%,1/4W,TP,3216	1	S.A	
....4	R110	2007-008596	R-CHIP;0.1ohm,1%,1/4W,TP,3216	1	S.A	
....4	R110	2007-008596	R-CHIP;0.1ohm,1%,1/4W,TP,3216	1	S.A	
....4	RA1201	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1202	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1203	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1204	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1205	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1206	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1207	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1208	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1209	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1210	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1211	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1212	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1221	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1222	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1223	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1224	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1225	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1226	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1227	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1228	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1229	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1230	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1002	2011-000515	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	S.A	
....4	RA1003	2011-000515	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	S.A	
....4	RA1004	2011-000515	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	S.A	
....4	RA1213	2011-000515	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	S.A	
....4	RA1214	2011-000515	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	S.A	
....4	RA1215	2011-000515	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	S.A	

5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	RA1216	2011-000515	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	S.A	
....4	RA501B	2011-001001	R-NETWORK;0ohm,5%,1/16W,L,CHIP,8P,TP,3.2	1	S.A	
....4	RA502B	2011-001001	R-NETWORK;0ohm,5%,1/16W,L,CHIP,8P,TP,3.2	1	S.A	
....4	RA503B	2011-001001	R-NETWORK;0ohm,5%,1/16W,L,CHIP,8P,TP,3.2	1	S.A	
....4	RA601	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA602	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA603	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA604	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA605	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA606	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA801	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA802	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA803	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA804	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	C120	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	S.A	
....4	C120	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	S.A	
....4	C120	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000405	C-CER,CHIP;0.18nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000426	C-CER,CHIP;0.018nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000426	C-CER,CHIP;0.018nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000426	C-CER,CHIP;0.018nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	

5. Exploded View & Part List

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5. Exploded View & Part List

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5. Exploded View & Part List

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5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	C120	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006378	C-CER,CHIP;4700nF,10%,6.3V,X5R,1608	1	S.N.A	
....4	C120	2203-006378	C-CER,CHIP;4700nF,10%,6.3V,X5R,1608	1	S.N.A	
....4	C120	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,1005	1	S.N.A	
....4	C120	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,1005	1	S.N.A	
....4	C120	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,1005	1	S.N.A	
....4	C120	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,1005	1	S.N.A	
....4	C120	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,1005	1	S.N.A	
....4	C120	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,1005	1	S.N.A	
....4	C120	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,1005	1	S.N.A	
....4	C120	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,1005	1	S.N.A	
....4	C120	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,1005	1	S.N.A	
....4	C120	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,1005	1	S.N.A	
....4	C120	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,1005	1	S.N.A	
....4	C120	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,1005	1	S.N.A	
....4	C15103	2402-001259	C-AL,SMD;220uF,20%,16V,WT,REEL,8X10	1	S.A	
....4	C15104	2402-001259	C-AL,SMD;220uF,20%,16V,WT,REEL,8X10	1	S.A	
....4	C1513	2402-001259	C-AL,SMD;220uF,20%,16V,WT,REEL,8X10	1	S.A	
....4	C1140	2409-001118	C-POLYMER ,CHIP;47uF,-+20,10V,WT,REEL,3.	1	S.A	
....4	C115	2409-001118	C-POLYMER ,CHIP;47uF,-+20,10V,WT,REEL,3.	1	S.A	
....4	C130	2409-001118	C-POLYMER ,CHIP;47uF,-+20,10V,WT,REEL,3.	1	S.A	

5. Exploded View & Part List

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Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A	
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A	
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A	
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001428	BEAD-SMD;2000ohm,2x1.25x0.85mm,200mA,TP,	1	S.N.A	
....4	T0568	3301-001428	BEAD-SMD;2000ohm,2x1.25x0.85mm,200mA,TP,	1	S.N.A	
....4	T0568	3301-001428	BEAD-SMD;2000ohm,2x1.25x0.85mm,200mA,TP,	1	S.N.A	
....4	CN402	3701-001367	CONNECTOR-HDMI;19P,2R,FEMALE,SMD,AU	1	S.A	
....4	CN403	3701-001367	CONNECTOR-HDMI;19P,2R,FEMALE,SMD,AU	1	S.A	
....4	CN404	3701-001367	CONNECTOR-HDMI;19P,2R,FEMALE,SMD,AU	1	S.A	
....4	CN330	3711-005925	HEADER-BOARD TO CABLE;BOX,51P,1R,0.5mm,S	1	S.A	
....4	CN330	3711-005939	HEADER-BOARD TO CABLE;BOX,3P,1R,2mm,SMD-	1	S.A	

5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	L101	BN27-00008A	COIL CHOKE-SMD;SMD12*12*8.5,GH15/17PS,22	1	S.A	
....4	L102	BN27-00008A	COIL CHOKE-SMD;SMD12*12*8.5,GH15/17PS,22	1	S.A	
....4	T0077	BN41-00972B	PCB MAIN;AMBER,FR-4,4,1.0,1.6,192*240,L6	1	S.N.A	
....4	M0018	BN97-02068A	ASSY MICOM;T-AMBAUSC-1004.2,LN40A650A1FX	1	S.N.A	
.....5	IC115	1107-001699	IC-FLASH MEMORY;KFG1216U2B,512Mbit,32Mx1	1	S.A	
....4	M0018	BN97-02103A	ASSY MICOM;T-AMBAUSM-1005,N47A,2008.4.16	1	S.N.A	
.....5	IC520	0903-001485	IC-MICROCONTROLLER;44P,12x12mm,24MHz,TR,	1	S.N.A	
....4	C120	2203-000384	C-CER,CHIP;0.015nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000384	C-CER,CHIP;0.015nF,5%,50V,C0G,1608	1	S.A	
0.1	A/LCD	BN91-02060C	ASSY LCD-AMLCD;LN40A650A1FXZA,AMLCD	1	S.N.A	
..2	M0215	BN07-00529A	LCD-PANEL;LTF400HC01	1	S.A	
0.1	M0113	BN92-03201A	ASSY P/MATERIAL;40,AMBER,(650),UO,,,,	1	S.N.A	
..2	T0524	6902-000739	BAG PE;HDPE/HDPE/NITRON,T0.015/T0.015/T1	1	S.N.A	
..2	B/PP	6922-000013	BAND PP;PP,W18,L2300m,TRP,Roll Diameter	4.89	S.N.A	
..2	T0214	AA61-20285C	HOLDER-BOX;CORAL,PP,BLACK,HB	2	S.N.A	
0.1	M0045	BN92-03288G	ASSY ACCESSORY;LN40A650A1FXZX	1	S.N.A	
..2	M0045	BN96-07676A	ASSY ACCESSORY;LN40A650A1FXZC	1	S.A	
...3	T0268	3903-000144	CBF-POWER CORD;DT,US,BP3/Y,U(IEC C13-RA)	1	S.A	
...3	T0524	6902-000018	BAG PE;LDPE,T0.1,W280,L400,CLEAR,8,2,-,2	1	S.N.A	
...3	REV 05	AA68-00682C	CARD WARRANTY-05;PDP,W/P120(G),SECA,B5,B	1	S.N.A	
...3	T0531	BN63-04243A	COVER-BOTTOM;37,40L450,HIPS,-,-,-,V0,-,B	1	S.N.A	
...3	T0685	4301-000103	BATTERY-ALKALINE;1.5V,750mAh,AAA,10.5x44	2	S.A	
...3		AA68-03242L	MANUAL FLYER-02,SAFETY GUIDE;comm,Samsun	1	S.N.A	
...3	T0074	BN59-00695A	REMOCON;TM-98B,49,AMERICA_650	1	S.A	
...3	T0511	BN68-01429C	MANUAL USERS;COMM,SAMSUNG,Eng/CF,CANADA,	1	S.N.A	
...3		BN68-01430B	MANUAL FLYER-QSG;COMM,SAMSUNG,Eng/CF,CAN	1	S.N.A	
...3		BN63-01798B	CLOTH-CLEAN;cloth,180,200,sea blue,ToC	1	S.N.A	
...3	T0059	BN68-01675A	MANUAL;INSTRUCTION,AMBER,1 Page	1	S.N.A	
0.1	M0003	BN92-03196N	ASSY BOX;40AA1,CANADA,AMBER	1	S.N.A	
..2	B/IN	BN69-02391A	BOX-SET, IN;L650-40,CB,C-03,-,W758,L1478	1	S.N.A	
..2	B/OUT	BN69-02651J	BOX-SET, OUT;L650-40,CB,C-03,DW-75,YEL,-	1	S.N.A	
0.1	M0019	BN92-03287D	ASSY LABEL;LN40A650A1FXZC	1	S.N.A	
0.1	M0590	BN81-01694A	AS-T-CON BOARD;LTF400HC01-A01,00529A,-,-	1	S.A	
0.1	M0059	BN81-01781A	AS-INVERTER BOARD;LTF400HC01-A,BN07-0052	1	S.A	

5-6. LN40A650A1F Parts List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
		LN40A650A1FXZX	LN40A650A1F,N47A/40AA1-GAM,40,LCD-TV,MEX			
0.1	M0001	BN90-01521A	ASSY COVER FRONT;40,L650A,UO,,,AMBER	1	S.N.A	
..2	T0175	BN96-06809A	ASSY SPEAKER P;8ohm,P750 50",Down Firing	1	S.A	
..2	T0003	BN96-06842A	ASSY COVER P-FRONT;40,L650A,UO,,PC(CLEAR	1	S.A	
...3	M0081	6003-001188	SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S	1	S.N.A	
...3	CCM1	BN63-02183H	COVER-SHEET;Rhcm,PE Vinyl,T0.05,1300mm,2	0.7	S.N.A	
...3	M0112	BN63-04141A	COVER-FRONT;40,L650A,UO,PC(CLR)+PC(ROSE	1	S.N.A	
...3	A/HBBOTTOM	BN96-06849B	ASSY HOLDER P-BOSS BOTTOM;40,L650A,,ABS,	1	S.N.A	
....4	A/HBB	BN61-03261N	BOSS-TAPE;AMBER,ACRYL,T1.1,W20.0mm,WHITE	0.95	S.N.A	
....4	H/BBOTTOM	BN61-03808B	HOLDER-BOSS BOTTOM;40,L650,ABS,V0,WH12,A	1	S.N.A	
...3	A/HBTOP	BN96-06850B	ASSY HOLDER P-BOSS TOP;40,L650A,,ABS,V0(1	S.N.A	
....4	A/HBB	BN61-03261K	BOSS-TAPE;AMBER,ACRYL,T1.1,W8.0mm,WHITE,	0.91	S.N.A	
....4	H/BTOP	BN61-03809B	HOLDER-BOSS TOP;40,L650,ABS,V0,WH12,AMBE	1	S.N.A	
....4	A/HBB	BN61-03261P	BOSS-TAPE;AMBER,ACRYL,T1.1,W24.0mm,WHITE	0.054	S.N.A	
...3	F/C	BN96-07656A	ASSY HOLDER P-BOSS SIDE;40,L650,,PC+ABS,	2	S.N.A	
....4		BN61-03261H	BOSS-TAPE;Tulip,ACRYL,T1.1,W8.0mm,GRAY,T	0.07	S.N.A	
....4		BN61-04079A	HOLDER-BOSS SIDE;40,L650,PC+ABS,V0,-,-,-	1	S.N.A	
...3	T0069	BN60-00027G	SPACER-FELT;L650-40,FELT,890,0.5,20	2	S.N.A	
...3	M0175	BN96-07244B	ASSY BOARD P-TOUCH FUNCTION&IR;LN46A650A	1	S.A	
...3	T0069	BN60-00027P	SPACER-FELT;L650 40,FELT,502,0.5,20	2	S.N.A	
0.1	M0002	BN90-01526A	ASSY COVER REAR;40,L650A,UO,,,AMBER	1	S.N.A	
..2	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	1	S.A	
..2	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	11	S.A	
..2	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	1	S.A	
..2	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	1	S.A	
..2	M0081	6003-000115	SCREW-TAPTITE;BH,+B,M3,L6,ZPC(BLK),SWRC	1	S.A	
..2	M0013	BN96-06890A	ASSY COVER P-REAR;40,L650A,UO,,PC+ABS,V0	1	S.A	
...3	M0081	6003-001188	SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S	2	S.N.A	
...3	T0069	AA60-00091J	SPACER-FELT;-FELT,330X10,-,-,BLK,T0.5,-	2	S.N.A	
...3	T0101	BN61-03348A	BRACKET-WALL;LCD TV 32,SECC T1.2,-,-,-,-	2	S.N.A	
...3	CCM1	BN63-02183G	COVER-SHEET;Rhcm,PE Vinyl,T0.05,1100mm,2	0.99	S.N.A	
...3	M0006	BN63-04301A	COVER-REAR;40,L650A,UO,PC+ABS,-,-,-,V0,-	1	S.N.A	
...3	T0071	BN64-00807B	INLAY-TERMINAL;L650,UO,PS SHEET,T0.5,BLA	1	S.N.A	
...3	T0064	BN65-00002A	CLAMPER CORE;BORDEAUX,LDPE,-,-,BLK,-	1	S.N.A	
0.1	M0216	BN90-01531A	ASSY STAND;40,L650A,,,RD02,AMBER	1	S.N.A	
..2	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	4	S.A	
..2	M0027	BN96-06259B	ASSY STAND P-BASE;40AA1,ABS+PMMA,HB,RD02	1	S.A	
...3	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	4	S.A	
...3	M0081	6003-001239	SCREW-TAPTITE;FH,+,-,B,M4,L10,ZPC(WHT),S	8	S.A	
...3	H/WRTOP	BN61-02248A	HOLDER-SWIVEL RING;40R71,ACETAL NATUAL,T	1	S.N.A	
...3	B/SBOTTOM	BN61-02883A	BRACKET-STAND BOTTOM;BORDEAUX PLUS,40,SE	1	S.N.A	
...3	H/SRBOTTOM	BN61-02885A	HOLDER-SWIVEL RING;MURANO40,ACETAL NATUR	1	S.N.A	
...3	B/HINGE	BN61-02886A	BRACKET-HINGE SWIVEL;BORDEAUX PLUS,40,SE	1	S.N.A	
...3	T0920	BN61-03681A	GUIDE-STAND;40L450,PC+GF 20%,-,-,-,BK500	1	S.N.A	
...3	CCM1	BN63-02183E	COVER-SHEET;Rhcm,PE Vinyl,T0.05,750mm,20	0.5	S.N.A	
...3	T0004	BN63-03030C	COVER-STAND BASE;40AA1,ABS+PMMA,HB,RD02,	1	S.N.A	

5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...3	M0126	BN73-00052C	RUBBER-FOOT;LCD TV,CR RUBBER,T2.0 DIA19,	4	S.N.A	
0.1	A/SHIELD	BN91-02039A	ASSY SHIELD-SQD;LN40A650A1FXZA,AMLCD, N4	1	S.N.A	
..2	M0081	6003-000115	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC	5	S.A	
..2	M0081	6003-000115	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC	6	S.A	
..2	M0081	6003-000115	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC	7	S.A	
..2	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	3	S.A	
..2	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	1	S.A	
..2	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	1	S.A	
..2	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	2	S.A	
..2	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	2	S.A	
..2	M0081	6003-001188	SCREW-TAPTITE;BH,+,B,M4,L10,ZPC(WHT),S	1	S.N.A	
..2	M0081	6003-001188	SCREW-TAPTITE;BH,+,B,M4,L10,ZPC(WHT),S	5	S.N.A	
..2	M0081	6003-001188	SCREW-TAPTITE;BH,+,B,M4,L10,ZPC(WHT),S	2	S.N.A	
..2	M0081	6003-001188	SCREW-TAPTITE;BH,+,B,M4,L10,ZPC(WHT),S	2	S.N.A	
..2	M0081	6003-001188	SCREW-TAPTITE;BH,+,B,M4,L10,ZPC(WHT),S	2	S.N.A	
..2	M0081	6003-001439	SCREW-TAPTITE;BH,+,S,M4,L8,ZPC(WHT),SW	2	S.N.A	
..2	M0081	6003-001439	SCREW-TAPTITE;BH,+,S,M4,L8,ZPC(WHT),SW	1	S.N.A	
..2	M2893	BN39-00674A	LEAD CONNECTOR;LNR469DX/XAA,UL1007#26,5P	1	S.A	
..2	M2893	BN39-00802F	LEAD CONNECTOR;LE46S86BDX,UL1007#26,24PI	1	S.A	
..2	M2893	BN39-00830C	LEAD CONNECTOR;LN40A450C1D,UL3443 #28,7P	1	S.A	
..2	M2893	BN39-01024A	LEAD CONNECTOR;LN46A550P1FXZA,UL1007#26,	1	S.A	
..2	M0174	BN44-00198A	IP BOARD;SIP40D,PEARL,15mA,130mA,150Hz,2	1	S.A	
..2	M0114	BN61-02500A	HOLDER-WIRE;NYLON6.6,NATURAL	1	S.N.A	
..2	M0254	BN61-02875N	HOLDER-SIDE AV;40,L650,UO,PC+ABS,V0,-,-,	1	S.N.A	
..2	M0115	BN61-02882A	BRACKET-STAND LINK;TULIP,40,SECC,T1.6,-,	1	S.N.A	
..2	M0146	BN61-03414A	BRACKET-PANEL TOP;PEONY52,SECC T1.2	2	S.N.A	
..2	T0101	BN61-03834A	BRACKET-WALL;AMBER 40,SECC,T1.2,-,-,-	1	S.N.A	
..2	M0214	BN96-07161G	ASSY CABLE P-FLAT LVDS;LN40A650A1FXZA,FF	1	S.A	
..2	M0114	BP61-01088A	HOLDER-WIRE;SVP-42L6,NYLON	2	S.N.A	
..2	T0066	BN62-00036A	HEAT SINK-ES;AMBER,A6063,T1.0,40*40*15,B	1	S.N.A	
..2	M0125	BN96-04817B	ASSY INLET P;LNT4081FX,XAA,250mm,250mm,-	1	S.A	
..2	T0136	BN31-00014C	FAN;G6015S12B2-DA-OC,AMBER,PBTP	1	S.A	
..2	T0562	6046-001013	STAND OFF;M3,L5,Ni PLT,SUM24L,#4-40	2	S.N.A	
..2	T0447	BN96-06883C	ASSY BRACKET P-PANEL;40,L650,UO,,,,,GASK	1	S.N.A	
...3	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	1	S.A	
...3	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	1	S.A	
...3	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	2	S.A	
...3	M0131	AA63-01438A	GASKET;Bordeaux,Conductive Fabric,7mm,8m	1	S.N.A	
...3		BN61-02879A	BRACKET-GUIDE MAIN;TULIP,40,SECC,T1.2,-,	1	S.N.A	
...3		BN61-02880A	BRACKET-GUIDE POWER R;TULIP,40,SECC,T1.2	1	S.N.A	
...3		BN61-03831A	BRACKET-GUIDE POWER L;AMBER 40,SECC,T1.2	1	S.N.A	
...3		BN61-03835A	BRACKET-GUIDE POWER R;AMBER 40,SECC,T1.2	1	S.N.A	
...3		BN61-03861A	BRACKET-PANEL BOTTOM;L450 40INCH,SECC,T1	1	S.N.A	
...3	M0131	BN63-03519A	GASKET;Tulip,Conductive Fabric,10,14,300	3	S.N.A	
..2	T0175	BN96-07193F	ASSY SHIELD P-PCB MAIN;40,L650,UO,SECC,T	1	S.N.A	
...3		AA63-01388A	GASKET-EMI,SPONGE;SP-P300M,Conductive Fa	2	S.N.A	
...3	M0131	BN63-02627A	GASKET;Oxford,Conductive Fabric,8,13,30,	1	S.N.A	
...3	M0131	BN63-03480A	GASKET;LNT4642HX/XAA,Polyurethane Foam,1	2	S.N.A	
...3	T0603	BN63-04303A	SHIELD-PCB MAIN;AMBER 40,SECC,T0.5,-,-,-	1	S.N.A	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
0.1	M0017	BN91-02042C	ASSY CHASSIS;LN40A650A1FXZA,N47A	1	S.N.A	
..2	M0014	BN94-01666G	ASSY PCB MAIN;LN40A650A1FXZA	1	S.N.A	
...3	T0245	0202-001608	SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0.	0.25	S.N.A	
...3	X1001	2801-004732	CRYSTAL-UNIT;27MHz,30ppm,28-AAM,12pF,30o	1	S.A	
...3	CN401	3701-001294	CONNECTOR-DSUB;15P,3R,FEMALE,STRAIGHT,AU	1	S.A	
...3	CN503B	3701-001388	CONNECTOR-HDMI;20P,Phosphor Bronze,ANGLE	1	S.A	
...3	CN906	3707-001081	CONNECTOR-OPTICAL;STRAIGHT,SPDIF	1	S.A	
...3	CN330	3711-000058	HEADER-BOARD TO CABLE;BOX,4P,1R,2.5MM,AN	1	S.A	
...3	CN330	3711-004484	HEADER-BOARD TO CABLE;BOX,5P,1R,2mm,STRA	1	S.A	
...3	CN330	3711-004531	HEADER-BOARD TO CABLE;BOX,10P,1R,2mm,ANG	1	S.A	
...3	CN330	3711-005842	HEADER-BOARD TO CABLE;BOX,24P,2R,2MM,STR	1	S.A	
...3	JA330	3722-000143	JACK-PHONE;1P(VER),AG,BLK,ANGLE	1	S.A	
...3	JA330	3722-001061	JACK-PHONE;1P,3.6PI,AG,BLK,N	1	S.A	
...3	CN303B	3722-002275	JACK-DIN;4P,-,SN,BLK,-	1	S.A	
...3	U1601	3722-002426	JACK-MODULAR;8P/8C,-,N,STRAIGHT,GRN/YEL,	1	S.A	
...3	CN501B	3722-002546	JACK-USB;4P/1C,AU,BLK,ANGLE,A type	1	S.N.A	
...3	JA333	3722-002697	JACK-PIN;14P+1P(Shield+Gnd),NI,BLACK,STR	1	S.A	
...3	JA333	3722-002728	JACK-PIN;3P, SHIELD,Ni,RED/WHT/YEL,ANGLE	1	S.A	
...3	CIS3	AA40-00177A	TUNER;TDQU6-K01A,TDQU6-K01A,NTSC/ATSC,18	1	S.A	
...3	T0066	BN62-00003A	HEAT SINK-ES;NK,SUN,A6063S,T2.5,W28,L28,	1	S.N.A	
...3	T0174	BN97-02044J	ASSY SMD;LN40A650A1FXZA	1	S.N.A	
....4	SUB05	0202-001477	SOLDER-CREAM;LST309-M,-,D20~45##,96.5Sn/	3.253	S.N.A	
....4	D101	0401-000133	DIODE-SWITCHING;RLS4148,75V,150mA,LL-34,	1	S.A	
....4	D105	0401-000133	DIODE-SWITCHING;RLS4148,75V,150mA,LL-34,	1	S.A	
....4	D1601	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D1602	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D1603	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D1604	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D1605	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D413	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D417	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D418	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D421	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D423	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D424	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D451	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D452	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D457	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D464	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D507	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D508	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D509	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D510	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D511	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D512	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D513	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D514	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D515	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D516	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D701	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D801	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	

5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	D802	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D803	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D804	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D805	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D806	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D807	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D813	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D814	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D1503	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	S.A	
....4	D1504	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	S.A	
....4	D1505	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	S.A	
....4	D1506	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	S.A	
....4	D1510	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	S.A	
....4	D1511	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	S.A	
....4	D1512	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	S.A	
....4	D1513	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	S.A	
....4	D0254	0402-000553	DIODE-SCHOTTKY;SS24/B240,40V,2000mA,DO-2	1	S.A	
....4	D103	0402-001098	DIODE-RECTIFIER;SK34,40V,3A,SMC,TP	1	S.A	
....4	D1501	0403-000002	DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD	1	S.A	
....4	D440	0403-000002	DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD	1	S.A	
....4	D441	0403-000002	DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD	1	S.A	
....4	D442	0403-000002	DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD	1	S.A	
....4	D517	0403-000002	DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD	1	S.A	
....4	D404	0403-000771	DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD	1	S.A	
....4	D405	0403-000771	DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD	1	S.A	
....4	D406	0403-000771	DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD	1	S.A	
....4	D502	0403-000771	DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD	1	S.A	
....4	D504	0403-000771	DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD	1	S.A	
....4	D505	0403-000771	DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD	1	S.A	
....4	D811	0403-000771	DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD	1	S.A	
....4	D204	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D207	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D208	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D209	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D210	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D211	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D212	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D213	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D214	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D215	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D216	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D218	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D219	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D220	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D221	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D222	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D223	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D224	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D225	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D226	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D227	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	D228	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D229	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D230	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D231	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D232	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D233	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D234	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D235	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D236	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D237	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D303B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D304B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D307B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D308B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D309B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D310B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D312B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D313B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D314B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D315B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D316B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D317B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D318B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D319B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D320B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D321B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D322B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D407	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D411	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D412	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D443	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D444	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D445	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D446	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D447	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D448	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D449	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D450	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D458	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D465	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D506	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D1514	0403-001174	DIODE-ZENER;VLZ8V2B,7.78-8.19V,500mW,SOD	1	S.A	
....4	D702	0403-001425	DIODE-ZENER;BZX84C33,31-35V,350mW,SOT-23	1	S.A	
....4	D205	0406-001172	DIODE-TVS;CDS3C30GTH,48/-/50V,SMD	1	S.A	
....4	D206	0406-001172	DIODE-TVS;CDS3C30GTH,48/-/50V,SMD	1	S.A	
....4	D501	0406-001181	DIODE-TVS;NUP4201MR6,6/-/V,500W,TSOP-6	1	S.A	
....4	D408	0406-001271	DIODE-TVS;RCLAMP0524P,6/-/V,150W,SLP251	1	S.A	
....4	D409	0406-001271	DIODE-TVS;RCLAMP0524P,6/-/V,150W,SLP251	1	S.A	
....4	D460	0406-001271	DIODE-TVS;RCLAMP0524P,6/-/V,150W,SLP251	1	S.A	
....4	D461	0406-001271	DIODE-TVS;RCLAMP0524P,6/-/V,150W,SLP251	1	S.A	
....4	D462	0406-001271	DIODE-TVS;RCLAMP0524P,6/-/V,150W,SLP251	1	S.A	

5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	D463	0406-001271	DIODE-TVS;RCLAMP0524P,6/-V,150W,SLP251	1	S.A	
....4	D808	0407-000123	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	1	S.A	
....4	D809	0407-000123	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	1	S.A	
....4	D810	0407-000123	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	1	S.A	
....4	Q1001	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q102	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q103	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q1501	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q1504	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q1506	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q701	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q802	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q803	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q804	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q805	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q806	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q901	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q1502	0501-000669	TR-SMALL SIGNAL;KTA1505Y,PNP,150mW,SOT-2	1	S.A	
....4	Q1601	0501-000669	TR-SMALL SIGNAL;KTA1505Y,PNP,150mW,SOT-2	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-002169	FET-SILICON;Si4435BDY-T1-E3,P,-30V,-9.1A	1	S.N.A	
....4	IC104	0801-002633	IC-CMOS LOGIC;7WBD3125,2bit BUS SWITCH,S	1	S.A	
....4	IC104	0801-002633	IC-CMOS LOGIC;7WBD3125,2bit BUS SWITCH,S	1	S.A	
....4	IC104	0801-002633	IC-CMOS LOGIC;7WBD3125,2bit BUS SWITCH,S	1	S.A	
....4	IC104	0801-002780	IC-CMOS LOGIC;74LVC1G17,SCHMITT-TRIGGER	1	S.A	
....4	IC804	1001-001109	IC-ANALOG SWITCH;FST3125M,BUS SWITCH & C	1	S.A	
....4	IC106	1001-001513	IC-VIDEO SWITCH;TMDS351PAG,TQFP,64P,9x9m	1	S.A	
....4	IC201	1006-001266	IC-LINE TRANSCEIVER;SP3232EEY,TSSOP,16P,	1	S.A	
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x	1	S.A	
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x	1	S.A	
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x	1	S.A	
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x	1	S.A	
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x	1	S.A	
....4	IC112	1103-001289	IC-EEPROM;93C46,1Kbit,128x8/64x16Bit,SOP	1	S.A	
....4	IC112	1103-001385	IC-EEPROM;AT24C256,256Kbit,32Kx8,SOP,8P,	1	S.A	
....4	IC113	1105-001835	IC-DRAM;K4T51163QE-ZCE7,DDR2 SDRAM,512Mb	1	S.A	
....4	IC113	1105-001835	IC-DRAM;K4T51163QE-ZCE7,DDR2 SDRAM,512Mb	1	S.A	
....4	DU410	1201-000166	IC-OP AMP;LM358,SOP,ST,8P,150MIL,DUAL,10	1	S.A	
....4	T0124	1201-002678	IC-POWER AMP;STA335BWS,PSSO,36P,10.3x7.5	1	S.A	
....4	IC012	1203-001519	IC-POS1.ADJUST REG.;LM317,SOT223,3P,274	1	S.A	
....4	T0087	1203-001815	IC-POS1.FIXED REG.;78M09,TO-252,3P,-,PLA	1	S.A	
....4	T0087	1203-001815	IC-POS1.FIXED REG.;78M09,TO-252,3P,-,PLA	1	S.A	
....4	T0087	1203-002835	IC-POS1.FIXED REG.;KIA7805AF,DPAK,3P,6.6	1	S.A	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	T0087	1203-002842	IC-POSI.FIXED REG.;AP1117D-33A,TO-252,3P	1	S.A	
....4	T0087	1203-002842	IC-POSI.FIXED REG.;AP1117D-33A,TO-252,3P	1	S.A	
....4	T0170	1203-003059	IC-SWITCH VOL. REG.;MP1583,SOIC,8P,4.9x3	1	S.A	
....4	IC062	1203-003183	IC-MULTI REG.;SI-3002KWM-TL,DPAK,5P,6.6X	1	S.A	
....4	IC501	1203-003394	IC-POWER SUPERVISOR;MIC2544-1YM,SOP,8P,4	1	S.A	
....4	T0087	1203-003696	IC-POSI.FIXED REG.;NCP1117DT18T5G,DPAK,3	1	S.A	
....4	T0087	1203-003696	IC-POSI.FIXED REG.;NCP1117DT18T5G,DPAK,3	1	S.A	
....4	IC1503	1203-004364	IC-VOL. DETECTOR;RT9818C-42PV,SOT-23,3P,	1	S.A	
....4	IC802	1203-004364	IC-VOL. DETECTOR;RT9818C-42PV,SOT-23,3P,	1	S.A	
....4	T0170	1203-004868	IC-SWITCH VOL. REG.;MP2363,SOIC,8P,4.9x3	1	S.A	
....4	IC1001	1204-002814	IC-DECODER;S4LJ003X,PBGA,816P,35x35mm,PL	1	S.A	
....4	IC1502	1204-002822	IC-AUDIO PROCESSOR;SGTV5910,PLASTIC,100P	1	S.N.A	
....4	IC1601	1205-002941	IC-ETHERNET CONTROLLER;RTL8100CL-LF,LQFP	1	S.N.A	
....4	IC601	1205-003410	IC-RECEIVER;MST336CCLK-LF-170,LQFP,144P,	1	S.A	
....4	IC1002	1209-001794	IC-PLL;ICS475G-16,TSSOP,16P,5.0x4.4mm,PL	1	S.A	
....4	IC805	1405-001185	VARISTOR;24Vdc,1.6x0.8x0.36mm,TP	1	S.A	
....4	R110	2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000060	R-CHIP;100Kohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000086	R-CHIP;5.6Kohm,5%,1/10W,TP,1608	1	S.A	

5. Exploded View & Part List

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5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	R110	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	S.A	
....4	R110	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	S.A	
....4	R110	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	S.A	
....4	R110	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	S.A	
....4	R110	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	S.A	
....4	R110	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	S.A	
....4	R110	2007-000174	R-CHIP;47ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-000174	R-CHIP;47ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-000174	R-CHIP;47ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-000174	R-CHIP;47ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-000174	R-CHIP;47ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-000174	R-CHIP;47ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-000174	R-CHIP;47ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-000174	R-CHIP;47ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-000174	R-CHIP;47ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-000174	R-CHIP;47ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-000174	R-CHIP;47ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-000208	R-CHIP;1.1Kohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000362	R-CHIP;12ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000362	R-CHIP;12ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000362	R-CHIP;12ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000362	R-CHIP;12ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000362	R-CHIP;12ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000362	R-CHIP;12ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000362	R-CHIP;12ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000362	R-CHIP;12ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000362	R-CHIP;12ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000463	R-CHIP;18ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000463	R-CHIP;18ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000463	R-CHIP;18ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000463	R-CHIP;18ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000463	R-CHIP;18ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000463	R-CHIP;18ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000463	R-CHIP;18ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000463	R-CHIP;18ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000463	R-CHIP;18ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000640	R-CHIP;270ohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000669	R-CHIP;2Kohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000669	R-CHIP;2Kohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000669	R-CHIP;2Kohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000669	R-CHIP;2Kohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000669	R-CHIP;2Kohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000669	R-CHIP;2Kohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000695	R-CHIP;3.3ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000695	R-CHIP;3.3ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000701	R-CHIP;3.6Kohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000701	R-CHIP;3.6Kohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000708	R-CHIP;3.9Kohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000729	R-CHIP;300ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000729	R-CHIP;300ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000763	R-CHIP;330ohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000821	R-CHIP;390ohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000929	R-CHIP;470ohm,1%,1/10W,TP,1608	1	S.A	

5. Exploded View & Part List

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5. Exploded View & Part List

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Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007319	R-CHIP;390ohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007319	R-CHIP;390ohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007587	R-CHIP;3.6Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007797	R-CHIP;44.2ohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-008596	R-CHIP;0.1ohm,1%,1/4W,TP,3216	1	S.A	
....4	R110	2007-008596	R-CHIP;0.1ohm,1%,1/4W,TP,3216	1	S.A	
....4	R110	2007-008596	R-CHIP;0.1ohm,1%,1/4W,TP,3216	1	S.A	
....4	R110	2007-008596	R-CHIP;0.1ohm,1%,1/4W,TP,3216	1	S.A	
....4	R110	2007-008596	R-CHIP;0.1ohm,1%,1/4W,TP,3216	1	S.A	
....4	RA1201	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1202	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1203	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1204	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1205	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1206	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1207	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1208	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1209	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1210	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1211	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1212	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1221	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1222	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1223	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1224	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1225	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1226	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1227	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1228	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1229	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1230	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1002	2011-000515	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	S.A	
....4	RA1003	2011-000515	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	S.A	
....4	RA1004	2011-000515	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	S.A	
....4	RA1213	2011-000515	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	S.A	
....4	RA1214	2011-000515	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	S.A	
....4	RA1215	2011-000515	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	S.A	
....4	RA1216	2011-000515	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	S.A	
....4	RA501B	2011-001001	R-NETWORK;0ohm,5%,1/16W,L,CHIP,8P,TP,3.2	1	S.A	
....4	RA502B	2011-001001	R-NETWORK;0ohm,5%,1/16W,L,CHIP,8P,TP,3.2	1	S.A	
....4	RA503B	2011-001001	R-NETWORK;0ohm,5%,1/16W,L,CHIP,8P,TP,3.2	1	S.A	
....4	RA601	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	

5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	RA602	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA603	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA604	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA605	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA606	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA801	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA802	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA803	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA804	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	C120	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	S.A	
....4	C120	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	S.A	
....4	C120	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000405	C-CER,CHIP;0.18nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000426	C-CER,CHIP;0.018nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000426	C-CER,CHIP;0.018nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000426	C-CER,CHIP;0.018nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,1608	1	S.A	
....4	C120	2203-000575	C-CER,CHIP;220nF,10%,25V,X7R,2012	1	S.A	
....4	C120	2203-000575	C-CER,CHIP;220nF,10%,25V,X7R,2012	1	S.A	
....4	C120	2203-000575	C-CER,CHIP;220nF,10%,25V,X7R,2012	1	S.A	
....4	C120	2203-000575	C-CER,CHIP;220nF,10%,25V,X7R,2012	1	S.A	

5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	C120	2203-000575	C-CER,CHIP;220nF,10%,25V,X7R,2012	1	S.A	
....4	C120	2203-000575	C-CER,CHIP;220nF,10%,25V,X7R,2012	1	S.A	
....4	C120	2203-000575	C-CER,CHIP;220nF,10%,25V,X7R,2012	1	S.A	
....4	C120	2203-000575	C-CER,CHIP;220nF,10%,25V,X7R,2012	1	S.A	
....4	C120	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000681	C-CER,CHIP;0.027nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000697	C-CER,CHIP;0.002NF,0.25PF,50V,C0G,TP,160	1	S.A	
....4	C120	2203-000697	C-CER,CHIP;0.002NF,0.25PF,50V,C0G,TP,160	1	S.A	
....4	C120	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	S.A	
....4	C120	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	S.A	
....4	C120	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	S.A	
....4	C120	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000979	C-CER,CHIP;47nF,10%,50V,X7R,TP,2012	1	S.A	
....4	C120	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-001103	C-CER,CHIP;6.8nF,10%,50V,X7R,1608	1	S.A	
....4	C120	2203-001222	C-CER,CHIP;0.82nF,10%,50V,X7R,1608	1	S.A	
....4	C120	2203-001554	C-CER,CHIP;1.8nF,10%,50V,X7R,1608	1	S.A	
....4	C120	2203-001554	C-CER,CHIP;1.8nF,10%,50V,X7R,1608	1	S.A	
....4	C120	2203-001554	C-CER,CHIP;1.8nF,10%,50V,X7R,1608	1	S.A	
....4	C120	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,1608	1	S.A	
....4	C120	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,1608	1	S.A	

5. Exploded View & Part List

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5. Exploded View & Part List

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5. Exploded View & Part List

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5. Exploded View & Part List

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Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	M0018	BN97-02103A	ASSY MICOM;T-AMBAUSM-XXXX,N47A,2007.12.2	1	S.N.A	
....5	IC520	0903-001485	IC-MICROCONTROLLER;44P,12x12mm,24MHz,TR,	1	S.N.A	
....4	C120	2203-000384	C-CER,CHIP;0.015nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000384	C-CER,CHIP;0.015nF,5%,50V,C0G,1608	1	S.A	
0.1	A/LCD	BN91-02060C	ASSY LCD-AMLCD;LN40A650A1FXZA,AMLCD	1	S.N.A	
..2	M0215	BN07-00529A	LCD-PANEL;LTF400HC01	1	S.A	
0.1	M0113	BN92-03201A	ASSY P/MATERIAL;40,AMBER,(650),UO,,,,	1	S.N.A	
..2	T0524	6902-000739	BAG PE;HDPE/HDPE/NITRON,T0.015/T0.015/T1	1	S.N.A	
..2	B/PP	6922-000013	BAND PP;PP,W18,L2300m,TRP,Roll Diameter	4.89	S.N.A	
..2	T0214	AA61-20285C	HOLDER-BOX;CORAL,PP,BLACK,HB	2	S.N.A	
0.1	M0045	BN92-03288D	ASSY ACCESSORY;LN40A650A1FXZX	1	S.N.A	
..2	M0045	BN96-07507A	ASSY ACCESSORY;LN40A650A1FXZX	1	S.A	
...3	T0268	3903-000144	CBF-POWER CORD;DT,US,BP3/Y,U(IEC C13-RA)	1	S.A	
...3	T0685	4301-000103	BATTERY-ALKALINE;1.5V,750mAh,AAA,10.5x44	2	S.A	
...3	T0524	6902-000018	BAG PE;LDPE,T0.1,W280,L400,CLEAR,8,2	1	S.N.A	
...3	CLOTH	BN63-01798A	CLOTH-CLEAN;RE40**,CLOTH,180,200,RHCM	1	S.N.A	
...3	T0531	BN63-04243A	COVER-BOTTOM;37,40L450,HIPS,-,-,-,V0,-,B	1	S.N.A	
...3		AA68-03242L	MANUAL FLYER-02,SAFETY GUIDE;comm,Samsun	1	S.N.A	
...3	T0074	BN59-00695A	REMOCON;TM-98B,49,AMERICA_650	1	S.A	
...3	T0511	BN68-01429E	MANUAL USERS;COMM,SAMSUNG,Eng,MAXICO,W/P	1	S.N.A	
...3	T0238	BP68-00515A	MANUAL FLYER-REGISTRATION CARD;PRC CARD,	1	S.N.A	
..2	T0238	BN68-00797B	MANUAL FLYER-WARRANTY CARD;comm,Samsung,	1	S.N.A	
0.1	M0003	BN92-03196P	ASSY BOX;40AA1,MEXICO,AMBER	1	S.N.A	
..2	B/IN	BN69-02391A	BOX-SET, IN;L650-40,CB,C-03,W758,L1478	1.01	S.N.A	
..2	B/OUT	BN69-02392A	BOX-01,SET OUT;L650-40,CB,C-03,H795,W365	1.02	S.N.A	
0.1	M0019	BN92-03287D	ASSY LABEL;LN40A650A1FXZC	1	S.N.A	

5-7. LN46A650A1F Parts List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
		LN46A650A1FXZC	LN46A650A1F,N47A/46AA1-GAM,46,LCD-TV,CAN			
0.1	M0001	BN90-01520A	ASSY COVER FRONT;46,L650A,UO,,,,AMBER	1	S.N.A	
..2	T0175	BN96-06809A	ASSY SPEAKER P;8ohm,P750 50",Down Firing	1	S.A	
..2	T0003	BN96-06844A	ASSY COVER P-FRONT;46,L650A,UO,,PC(CLEAR	1	S.A	
...3	M0081	6003-001188	SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S	1	S.N.A	
...3	T0069	AA60-00171M	SPACER-FELT;46L3,FELT,570,T0.5,10	2	S.N.A	
...3	CCM1	BN63-02183H	COVER-SHEET;Rhcm,PE Vinyl,T0.05,1300mm,2	2.1	S.N.A	
...3	M0112	BN63-04142A	COVER-FRONT;46,L650A,UO,PC(CLR)+PC(ROSE	1	S.N.A	
...3	A/HBTOP	BN96-06851B	ASSY HOLDER P-BOSS TOP;46,L650A,,ABS,V0(1	S.N.A	
....4	A/HBB	BN61-03261K	BOSS-TAPE;AMBER,ACRYL,T1.1,W8.0mm,WHITE,	1.08	S.N.A	
....4	H/BTOP	BN61-03783B	HOLDER-BOSS TOP;46,L650,ABS,V0(NT),-,-,-	1	S.N.A	
....4	A/HBB	BN61-03261P	BOSS-TAPE;AMBER,ACRYL,T1.1,W24.0mm,WHITE	0.05	S.N.A	
...3	A/HBBOTTOM	BN96-06852B	ASSY HOLDER P-BOSS BOTTOM;46,L650A,,ABS,	1	S.N.A	
....4	C/FRONT	BN61-03261N	BOSS-TAPE;AMBER,ACRYL,T1.1,W20.0mm,WHITE	1.17	S.N.A	
....4	H/BBOTTOM	BN61-03782B	HOLDER-BOSS BOTTOM;46,L650,ABS,V0,WH12,A	1	S.N.A	
...3	C/FRONT	BN96-07655A	ASSY HOLDER P-BOSS SIDE;46,L650,,PC+ABS,	2	S.N.A	
....4		BN61-03261H	BOSS-TAPE;Tulip,ACRYL,T1.1,W8.0mm,GRAY,T	0.25	S.N.A	
....4		BN61-04080A	HOLDER-BOSS SIDE;46,L650,PC+ABS,V0,-,-,-	1	S.N.A	
...3	T0069	BN60-00027H	SPACER-FELT;L650-46,FELT,1020,0.5,20	1	S.N.A	
...3	T0069	BN60-00027J	SPACER-FELT;L650-46,FELT,1020,0.5,10	1	S.N.A	
...3	M0146	BN96-07244C	ASSY BOARD P-POWER & IR;LE37A656A1F/LN46	1	S.N.A	
0.1	M0002	BN90-01525A	ASSY COVER REAR;46,L650A,UO,,,,AMBER	1	S.N.A	
..2	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	14	S.A	
..2	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	2	S.A	
..2	C/R+H/WALL	6011-001610	BOLT-ETC;M8,L18,ZPC(BLK),SWRCH18A,WSP,PH	4	S.N.A	
..2	M0013	BN96-06892A	ASSY COVER P-REAR;46,L650A,UO,,PC+ABS,V0	1	S.A	
...3	T0069	AA60-00091J	SPACER-FELT;- ,FELT,330X10,-,-,BLK,T0.5,-	2	S.N.A	
...3	M0006	BN63-04307A	COVER-REAR;46,L650A,UO,PC+ABS,-,-,-,V0,-	1	S.N.A	
...3	T0071	BN64-00807B	INLAY-TERMINAL;L650,UO,PS SHEET,T0.5,BLA	1	S.N.A	
...3	T0064	BN65-00002A	CLAMPER CORE;BORDEAUX,LDPE,-,-,BLK,-	1	S.N.A	
...3	CCM1	BN63-02183H	COVER-SHEET;Rhcm,PE Vinyl,T0.05,1300mm,2	1.2	S.N.A	
0.1	M0216	BN90-01530A	ASSY STAND;46,L650A,,,RD02,AMBER	1	S.N.A	
..2	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	4	S.A	
..2	M0027	BN96-06873A	ASSY STAND P-BASE;46,L650A,,ABS+PMMA,HB,	1	S.A	
...3	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	4	S.A	
...3	M0081	6003-001239	SCREW-TAPTITE;FH,+,-,B,M4,L10,ZPC(WHT),S	8	S.A	
...3	H/WRMIDDLE	BN61-02533A	HOLDER-SWIVEL RING;46M7 EO,ACETAL,NATUAL	1	S.N.A	
...3	H/WRBOTTOM	BN61-02534A	HOLDER-SWIVEL RING;46M7 EO,ACETAL,NATUAL	1	S.N.A	
...3	B/HINGE	BN61-02536A	BRACKET-HINGE SWIVEL;46M7 EO,HG,T3.0	1	S.N.A	
...3	T0920	BN61-03784A	GUIDE-STAND;L650 46,PC+G/F 20%,BLK	1	S.N.A	
...3	B/SBOTTOM	BN61-03787A	BRACKET-STAND-BOTTOM;AMBER 46,SECC,T3.0,	1	S.N.A	
...3	T0004	BN63-04276A	COVER-STAND BASE;AMBER 46,ABS+PMMA,-,-,-	1	S.N.A	
...3	CCM1	BN63-02183F	COVER-SHEET;Rhcm,PE Vinyl,T0.05,900mm,20	0.45	S.N.A	
...3	M0126	BN73-00052C	RUBBER-FOOT;LCD TV,CR RUBBER,T2.0 DIA19,	8	S.N.A	
0.1	A/SHIELD	BN91-02038A	ASSY SHIELD-SQH;LN46A650A1FXZA,AMLCD, N4	1	S.N.A	

5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
..2	M0081	6003-000115	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC	6	S.A	
..2	M0081	6003-000115	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC	6	S.A	
..2	M0081	6003-000115	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC	5	S.A	
..2	M0081	6003-000115	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC	3	S.A	
..2	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	3	S.A	
..2	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	1	S.A	
..2	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	1	S.A	
..2	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	2	S.A	
..2	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	10	S.A	
..2	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	2	S.A	
..2	M0081	6003-001188	SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S	2	S.N.A	
..2	M0081	6003-001188	SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S	6	S.N.A	
..2	M0081	6003-001188	SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S	2	S.N.A	
..2	M0081	6003-001188	SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S	4	S.N.A	
..2	M0081	6003-001439	SCREW-TAPTITE;BH,+,-,S,M4,L8,ZPC(WHT),SW	1	S.N.A	
..2	M0081	6003-001439	SCREW-TAPTITE;BH,+,-,S,M4,L8,ZPC(WHT),SW	1	S.N.A	
..2	M2893	BN39-00674A	LEAD CONNECTOR;LNR469DX/XAA,UL1007#26,5P	1	S.A	
..2	M2893	BN39-00830A	LEAD CONNECTOR;LNT4642HX/XAA,UL1061#28,7	1	S.A	
..2	M2893	BN39-00948E	LEAD CONNECTOR;LN52M81BD,UL1061#28,4P,3P	1	S.A	
..2	M2893	BN39-01019A	LEAD CONNECTOR;LN52A550P,UL1007#26,2pin,	1	S.A	
..2	M2893	BN39-01024A	LEAD CONNECTOR;LN46A550P1FXZA,UL1007#26,	1	S.A	
..2	M0174	BN44-00203A	IP BOARD;SIP468A,PEARL,15mA,135mA,150Hz,	1	S.A	
..2	M0114	BN61-02500A	HOLDER-WIRE;NYLON6.6,NATURAL	4	S.N.A	
..2	M0146	BN61-03415A	BRACKET-PANEL TOP;PEONY 46,SECC T1.2	4	S.N.A	
..2	M0115	BN61-03790A	BRACKET-STAND LINK;AMBER 46,SECC,T1.6,-,	1	S.N.A	
..2	M0131	BN63-03008A	GASKET;LN46M71BD,Conductive Fabric,18mm,	1	S.N.A	
..2	M0125	BN96-05490A	ASSY INLET P;LE52M87BDX,XEC,300,300,150m	1	S.A	
..2	M0230	BN96-06678A	ASSY CABLE P-FFC;PEONY 46",FFC,117001-41	1	S.A	
..2	M0214	BN96-07161M	ASSY CABLE P-FLAT LVDS;LN46A650A1FXZA,FF	1	S.A	
..2	M0020	BN96-07396A	ASSY BOARD P-SIDE HDMI AV;LN46A650A1F,CT	1	S.A	
...3	M0081	6003-001188	SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S	2	S.N.A	
...3	M0254	BN61-03606B	HOLDER-SIDE AV;46,L650,UO,PC+ABS,V0,BK25	1	S.N.A	
...3	B/AV	BN61-03647A	BRACKET-AV;46J8,SECC,T0.8,PEONY2	1	S.N.A	
...3	M0107	BN63-04057A	SHIELD-COVER;SIDE-AV 46F8,SECC,T0.5,PEON	1	S.N.A	
...3	M0131	BN63-03943A	GASKET;LNT4071FX/XAA,Polyurethane Foam,1	1	S.N.A	
...3	M0020	BN96-07352B	ASSY BOARD P-SIDE AV;LN46A650A1F,SJ08-01	1	S.N.A	
..2	A/HWLEFT	BN96-07448A	ASSY HOLDER P-WALL;L650,46,HIPS,V0,BK500	1	S.N.A	
...3	B/SNUT	BN61-02932A	BRACKET-STOPPER NUT;SUM24L	2	S.N.A	
...3	H/WLEFT	BN61-03788A	HOLDER-WALL LEFT;L650 46,HIPS V0,BK500,L	1	S.N.A	
..2	A/HWRIGTH	BN96-07470A	ASSY HOLDER P-WALL;L650,46,HIPS,V0,BK500	1	S.N.A	
...3	B/SNUT	BN61-02932A	BRACKET-STOPPER NUT;SUM24L	2	S.N.A	
...3	H/WRIGHT	BN61-03864A	HOLDER-WALL RIGHT;L650 46,HIPS V0,BK500,	1	S.N.A	
..2	T0066	BP62-00064B	HEAT SINK-ES;ROBOCOP,A6063,T4.0,40,40,BL	1	S.N.A	
..2	T0562	6046-001013	STAND OFF;M3,L5,Ni PLT,SUM24L,#4-40	2	S.N.A	
..2	T0073	AA63-01200A	GASKET-EMI;42S5,Ni,T0.1,W40,L70,Fabric	1	S.A	
..2	M2893	BN39-00802F	LEAD CONNECTOR;LE46S86BDX,UL1007#26,24PI	1	S.A	
..2	T0447	BN96-06885D	ASSY BRACKET P-PANEL;46,L650,UO,GASKET	1	S.N.A	
...3	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	1	S.A	
...3	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	1	S.A	
...3	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	2	S.A	
...3		BN61-03516A	BRACKET-GUIDE POWER L;46J8 PEONY2,SECC T	1	S.N.A	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...3		BN61-03520A	BRACKET-GUIDE MAIN;46J8 PEONY2,SECC T1.2	1	S.N.A	
...3		BN61-03829A	BRACKET-PANEL BOTTOM;AMBER 46,SECC,T1.6,	1	S.N.A	
...3		BN61-03830A	BRACKET-GUIDE POWER R;AMBER 46,SECC,T1.2	2	S.N.A	
...3	M0131	BN63-03520A	GASKET;Tulip,Conductive Fabric,10,18,300	2	S.N.A	
...3	M0131	BN63-03812A	GASKET;Tulip,Conductive Fabric,10,10,180	1	S.N.A	
...3	M0131	BN63-03921A	GASKET;LE46F86BDX,Conductive Fabric,12,1	1	S.N.A	
..2	T0175	BN96-06886D	ASSY SHIELD P-PCB MAIN;46,L650,UO,SECC,T	1	S.N.A	
...3	M0162	6502-001067	CABLE CLAMP;DAFC-1300,ID2.2,T5.2,NYLIN6/	4	S.N.A	
...3		AA63-01388A	GASKET-EMI,SPONGE;SP-P300M,Conductive Fa	1	S.N.A	
...3	M0131	BN63-00170A	GASKET;GH17LS,CONDUCTIVE FAB,5MM,10MM,16	1	S.N.A	
...3	M0131	BN63-00171A	GASKET;GH17LS,CONDUCTIVE FAB,5MM,10MM,13	1	S.N.A	
...3	M0131	BN63-02791A	GASKET;LNS4096D,Conductive Fabric,8mm,10	2	S.N.A	
...3	M0131	BN63-02990A	GASKET;EDISON 20,Polyurethane Sponge+Pol	1	S.N.A	
...3		BN63-04283A	SHIELD-SMPS;AMBER 46,SECC,T0.5,-,-,-	1	S.N.A	
...3	T0603	BN63-04284A	SHIELD-PCB MAIN;AMBER 46,SECC,T0.5,-,-,-	1	S.N.A	
0.1	M0017	BN91-02042B	ASSY CHASSIS;LN46A650A1FXZA,N47A	1	S.N.A	
..2	A/MAIN	BN94-01666B	ASSY PCB MAIN-AMCLD;LN46A650A1FXZA,N47A	1	S.A	
...3	T0245	0202-001608	SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0.	0.25	S.N.A	
...3	X1001	2801-004732	CRYSTAL-UNIT;27MHz,30ppm,28-AAM,12pF,30o	1	S.A	
...3	CN401	3701-001294	CONNECTOR-DSUB;15P,3R,FEMALE,STRAIGHT,AU	1	S.A	
...3	CN906	3707-001081	CONNECTOR-OPTICAL;STRAIGHT,SPDIF	1	S.A	
...3	CN330	3711-000058	HEADER-BOARD TO CABLE;BOX,4P,1R,2.5MM,AN	1	S.A	
...3	CN330	3711-004349	HEADER-BOARD TO CABLE;BOX,3P,1R,2mm,STRA	1	S.A	
...3	CN330	3711-004484	HEADER-BOARD TO CABLE;BOX,5P,1R,2mm,STRA	1	S.A	
...3	CN330	3711-004531	HEADER-BOARD TO CABLE;BOX,10P,1R,2mm,ANG	1	S.A	
...3	CN330	3711-005842	HEADER-BOARD TO CABLE;BOX,24P,2R,2MM,STR	1	S.A	
...3	JA330	3722-001061	JACK-PHONE;1P,3.6PI,AG,BLK,N	1	S.A	
...3	U1601	3722-002426	JACK-MODULAR;8P/8C,-,N,STRAIGHT,GRN/YEL,	1	S.A	
...3	CIS3	AA40-00177A	TUNER;TDQU6-K01A,TDQU6-K01A,NTSC/ATSC,18	1	S.A	
...3	T0066	BN62-00003A	HEAT SINK-ES;NK,SUN,A6063S,T2.5,W28,L28,	1	S.N.A	
...3	T0174	BN97-02044B	ASSY SMD;LN46A650A1FXZA,N47A	1	S.N.A	
....4	SUB05	0202-001477	SOLDER-CREAM;LST309-M,-,D20~45##,96.5Sn/	3.253	S.N.A	
....4	D101	0401-000133	DIODE-SWITCHING;RLS4148,75V,150mA,LL-34,	1	S.A	
....4	D105	0401-000133	DIODE-SWITCHING;RLS4148,75V,150mA,LL-34,	1	S.A	
....4	D1601	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D1602	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D1603	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D1604	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D1605	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D413	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D417	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D418	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D421	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D423	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D424	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D451	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D452	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D457	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D464	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D507	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	

5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	D508	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D509	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D510	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D511	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D512	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D513	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D514	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D515	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D516	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D701	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D801	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D802	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D803	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D804	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D805	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D806	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D807	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D813	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D814	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D1503	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	S.A	
....4	D1504	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	S.A	
....4	D1505	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	S.A	
....4	D1506	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	S.A	
....4	D1510	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	S.A	
....4	D1511	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	S.A	
....4	D1512	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	S.A	
....4	D1513	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	S.A	
....4	D0254	0402-000553	DIODE-SCHOTTKY;SS24/B240,40V,2000mA,DO-2	1	S.A	
....4	D103	0402-001098	DIODE-RECTIFIER;SK34,40V,3A,SMC,TP	1	S.A	
....4	D1501	0403-000002	DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD	1	S.A	
....4	D440	0403-000002	DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD	1	S.A	
....4	D441	0403-000002	DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD	1	S.A	
....4	D442	0403-000002	DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD	1	S.A	
....4	D517	0403-000002	DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD	1	S.A	
....4	D404	0403-000771	DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD	1	S.A	
....4	D405	0403-000771	DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD	1	S.A	
....4	D406	0403-000771	DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD	1	S.A	
....4	D502	0403-000771	DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD	1	S.A	
....4	D504	0403-000771	DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD	1	S.A	
....4	D505	0403-000771	DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD	1	S.A	
....4	D811	0403-000771	DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD	1	S.A	
....4	D204	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D207	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D208	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D209	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D210	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D211	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D212	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D213	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D214	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D215	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	D216	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D218	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D219	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D220	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D221	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D222	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D223	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D224	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D225	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D226	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D227	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D228	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D229	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D230	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D231	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D232	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D233	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D234	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D235	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D236	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D237	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D407	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D411	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D412	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D443	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D444	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D445	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D446	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D447	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D448	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D449	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D450	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D458	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D465	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D506	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D1514	0403-001174	DIODE-ZENER;VLZ8V2B,7.78-8.19V,500mW,SOD	1	S.A	
....4	D702	0403-001425	DIODE-ZENER;BZX84C33,31-35V,350mW,SOT-23	1	S.A	
....4	D205	0406-001172	DIODE-TVS;CDS3C30GTH,48/-/50V,SMD	1	S.A	
....4	D206	0406-001172	DIODE-TVS;CDS3C30GTH,48/-/50V,SMD	1	S.A	
....4	D501	0406-001181	DIODE-TVS;NUP4201MR6,6/-/V,500W,TSOP-6	1	S.A	
....4	D408	0406-001271	DIODE-TVS;RCLAMP0524P,6/-/V,150W,SLP251	1	S.A	
....4	D409	0406-001271	DIODE-TVS;RCLAMP0524P,6/-/V,150W,SLP251	1	S.A	
....4	D460	0406-001271	DIODE-TVS;RCLAMP0524P,6/-/V,150W,SLP251	1	S.A	
....4	D461	0406-001271	DIODE-TVS;RCLAMP0524P,6/-/V,150W,SLP251	1	S.A	
....4	D462	0406-001271	DIODE-TVS;RCLAMP0524P,6/-/V,150W,SLP251	1	S.A	
....4	D463	0406-001271	DIODE-TVS;RCLAMP0524P,6/-/V,150W,SLP251	1	S.A	
....4	D808	0407-000123	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	1	S.A	
....4	D809	0407-000123	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	1	S.A	
....4	D810	0407-000123	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	1	S.A	
....4	Q1001	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q102	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	

5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	Q103	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q1501	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q1504	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q1506	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q701	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q802	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q803	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q804	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q806	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q901	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q1502	0501-000669	TR-SMALL SIGNAL;KTA1505Y,PNP,150mW,SOT-2	1	S.A	
....4	Q1601	0501-000669	TR-SMALL SIGNAL;KTA1505Y,PNP,150mW,SOT-2	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	IC104	0801-002633	IC-CMOS LOGIC;7WBD3125,2bit BUS SWITCH,S	1	S.A	
....4	IC104	0801-002633	IC-CMOS LOGIC;7WBD3125,2bit BUS SWITCH,S	1	S.A	
....4	IC104	0801-002633	IC-CMOS LOGIC;7WBD3125,2bit BUS SWITCH,S	1	S.A	
....4	IC104	0801-002780	IC-CMOS LOGIC;74LVC1G17,SCHMITT-TRIGGER	1	S.A	
....4	IC804	1001-001109	IC-ANALOG SWITCH;FST3125M,BUS SWITCH & C	1	S.A	
....4	IC106	1001-001513	IC-VIDEO SWITCH;TMDS351PAG,TQFP,64P,9x9m	1	S.A	
....4	IC201	1006-001266	IC-LINE TRANSCEIVER;SP3232EEY,TSSOP,16P,	1	S.A	
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x	1	S.A	
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x	1	S.A	
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x	1	S.A	
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x	1	S.A	
....4	IC112	1103-001289	IC-EEPROM;93C46,1Kbit,128x8/64x16Bit,SOP	1	S.A	
....4	IC112	1103-001385	IC-EEPROM;AT24C256,256Kbit,32Kx8,SOP,8P,	1	S.A	
....4	IC113	1105-001835	IC-DRAM;K4T51163QE-ZCE7,DDR2 SDRAM,512Mb	1	S.A	
....4	IC113	1105-001835	IC-DRAM;K4T51163QE-ZCE7,DDR2 SDRAM,512Mb	1	S.A	
....4	DU410	1201-000166	IC-OP AMP;LM358,SOP,ST,8P,150MIL,DUAL,10	1	S.A	
....4	T0124	1201-002678	IC-POWER AMP;STA335BWS,PSSO,36P,10.3x7.5	1	S.A	
....4	IC012	1203-001519	IC-POS.I.ADJUST REG.;LM317,SOT223,3P,274	1	S.A	
....4	T0087	1203-001815	IC-POS.I.FIXED REG.;78M09,TO-252,3P,-,PLA	1	S.A	
....4	T0087	1203-002835	IC-POS.I.FIXED REG.;KIA7805AF,DPAK,3P,6.6	1	S.A	
....4	T0087	1203-002842	IC-POS.I.FIXED REG.;AP1117D-33A,TO-252,3P	1	S.A	
....4	T0087	1203-002842	IC-POS.I.FIXED REG.;AP1117D-33A,TO-252,3P	1	S.A	
....4	T0170	1203-003059	IC-SWITCH VOL. REG.;MP1583,SOIC,8P,4.9x3	1	S.A	
....4	IC062	1203-003183	IC-MULTI REG.;SI-3002KWM-TL,DPAK,5P,6.6X	1	S.A	
....4	IC501	1203-003394	IC-POWER SUPERVISOR;MIC2544-1YM,SOP,8P,4	1	S.A	
....4	T0087	1203-003696	IC-POS.I.FIXED REG.;NCP1117DT18T5G,DPAK,3	1	S.A	
....4	T0087	1203-003696	IC-POS.I.FIXED REG.;NCP1117DT18T5G,DPAK,3	1	S.A	
....4	IC1503	1203-004364	IC-VOL. DETECTOR;RT9818C-42PV,SOT-23,3P,	1	S.A	
....4	IC802	1203-004364	IC-VOL. DETECTOR;RT9818C-42PV,SOT-23,3P,	1	S.A	
....4	T0170	1203-004868	IC-SWITCH VOL. REG.;MP2363,SOIC,8P,4.9x3	1	S.A	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	IC1001	1204-002814	IC-DECODER;S4LJ003X,PBGA,816P,35x35mm,PL	1	S.A	
....4	IC1502	1204-002822	IC-AUDIO PROCESSOR;SGTV5910,PLASTIC,100P	1	S.N.A	
....4	IC1601	1205-002941	IC-ETHERNET CONTROLLER;RTL8100CL-LF,LQFP	1	S.N.A	
....4	IC601	1205-003410	IC-RECEIVER;MST336CCLK-LF-170,LQFP,144P,	1	S.A	
....4	IC1002	1209-001794	IC-PLL;ICS475G-16,TSSOP,16P,5.0x4.4mm,PL	1	S.A	
....4	IC805	1405-001185	VARISTOR;24Vdc,1.6x0.8x0.36mm,TP	1	S.A	
....4	R110	2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000060	R-CHIP;100Kohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000086	R-CHIP;5.6Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000086	R-CHIP;5.6Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000088	R-CHIP;7.5Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000088	R-CHIP;7.5Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000118	R-CHIP;390ohm,5%,1/10W,TP,1608	1	S.A	

5. Exploded View & Part List

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Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	R110	2007-000932	R-CHIP;470ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-000932	R-CHIP;470ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-000932	R-CHIP;470ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-000932	R-CHIP;470ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	1	S.A	
....4	R110	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	1	S.A	
....4	R110	2007-001101	R-CHIP;62ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-001134	R-CHIP;68ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-001134	R-CHIP;68ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-001139	R-CHIP;7.5Kohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-002768	R-CHIP;6.2Kohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-002906	R-CHIP;200Kohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-007009	R-CHIP;75ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007009	R-CHIP;75ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007009	R-CHIP;75ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007009	R-CHIP;75ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007009	R-CHIP;75ohm,5%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	1	S.N.A	

5. Exploded View & Part List

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Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	RA1211	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1212	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1221	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1222	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1223	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1224	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1225	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1226	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1227	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1228	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1229	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1230	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1001	2011-000515	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	S.A	
....4	RA1002	2011-000515	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	S.A	
....4	RA1003	2011-000515	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	S.A	
....4	RA1004	2011-000515	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	S.A	
....4	RA1213	2011-000515	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	S.A	
....4	RA1214	2011-000515	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	S.A	
....4	RA1215	2011-000515	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	S.A	
....4	RA1216	2011-000515	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	S.A	
....4	RA601	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA602	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA603	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA604	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA605	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA606	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA801	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA802	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA803	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA804	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	C120	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	S.A	
....4	C120	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	S.A	
....4	C120	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	

5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	C120	2203-000405	C-CER,CHIP;0.18nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000426	C-CER,CHIP;0.018nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000426	C-CER,CHIP;0.018nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000426	C-CER,CHIP;0.018nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,1608	1	S.A	
....4	C120	2203-000575	C-CER,CHIP;220nF,10%,25V,X7R,2012	1	S.A	
....4	C120	2203-000575	C-CER,CHIP;220nF,10%,25V,X7R,2012	1	S.A	
....4	C120	2203-000575	C-CER,CHIP;220nF,10%,25V,X7R,2012	1	S.A	
....4	C120	2203-000575	C-CER,CHIP;220nF,10%,25V,X7R,2012	1	S.A	
....4	C120	2203-000575	C-CER,CHIP;220nF,10%,25V,X7R,2012	1	S.A	
....4	C120	2203-000575	C-CER,CHIP;220nF,10%,25V,X7R,2012	1	S.A	
....4	C120	2203-000575	C-CER,CHIP;220nF,10%,25V,X7R,2012	1	S.A	
....4	C120	2203-000575	C-CER,CHIP;220nF,10%,25V,X7R,2012	1	S.A	
....4	C120	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000681	C-CER,CHIP;0.027nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000681	C-CER,CHIP;0.027nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000681	C-CER,CHIP;0.027nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000697	C-CER,CHIP;0.002NF,0.25PF,50V,C0G,TP,160	1	S.A	
....4	C120	2203-000697	C-CER,CHIP;0.002NF,0.25PF,50V,C0G,TP,160	1	S.A	
....4	C120	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	S.A	
....4	C120	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	S.A	
....4	C120	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	S.A	
....4	C120	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	S.A	

5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	C120	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000979	C-CER,CHIP;47nF,10%,50V,X7R,TP,2012	1	S.A	
....4	C120	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-001103	C-CER,CHIP;6.8nF,10%,50V,X7R,1608	1	S.A	
....4	C120	2203-001222	C-CER,CHIP;0.82nF,10%,50V,X7R,1608	1	S.A	
....4	C120	2203-001554	C-CER,CHIP;1.8nF,10%,50V,X7R,1608	1	S.A	
....4	C120	2203-001554	C-CER,CHIP;1.8nF,10%,50V,X7R,1608	1	S.A	
....4	C120	2203-001554	C-CER,CHIP;1.8nF,10%,50V,X7R,1608	1	S.A	
....4	C120	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,1608	1	S.A	
....4	C120	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,1608	1	S.A	
....4	C120	2203-001630	C-CER,CHIP;330nF,+80-20%,16V,Y5V,1608	1	S.A	
....4	C120	2203-001630	C-CER,CHIP;330nF,+80-20%,16V,Y5V,1608	1	S.A	
....4	C120	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	1	S.N.A	
....4	C120	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	1	S.N.A	
....4	C120	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	1	S.N.A	
....4	C120	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	1	S.N.A	
....4	C120	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	1	S.N.A	
....4	C120	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	1	S.N.A	
....4	C120	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	1	S.N.A	
....4	C120	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	1	S.N.A	
....4	C120	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	1	S.N.A	
....4	C120	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	1	S.N.A	
....4	C120	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	1	S.N.A	
....4	C120	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	1	S.N.A	
....4	C120	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	1	S.N.A	
....4	C120	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	1	S.N.A	
....4	C120	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	1	S.N.A	
....4	C120	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	1	S.N.A	
....4	C120	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	1	S.N.A	
....4	C120	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	1	S.N.A	
....4	C120	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	1	S.N.A	
....4	C120	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	1	S.N.A	
....4	C120	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	1	S.N.A	
....4	C120	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	1	S.N.A	
....4	C120	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2012	1	S.A	
....4	C120	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2012	1	S.A	
....4	C120	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C120	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C120	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C120	2203-005005	C-CER,CHIP;100nF,10%,16V			

5. Exploded View & Part List

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5. Exploded View & Part List

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5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A	
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A	
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A	
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A	
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A	
....4	T0568	3301-001148	BEAD-SMD;60ohm,1608,TP,-,-	1	S.N.A	
....4	T0568	3301-001148	BEAD-SMD;60ohm,1608,TP,-,-	1	S.N.A	
....4	T0568	3301-001148	BEAD-SMD;60ohm,1608,TP,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001428	BEAD-SMD;2000ohm,2x1.25x0.85mm,200mA,TP,	1	S.N.A	
....4	T0568	3301-001428	BEAD-SMD;2000ohm,2x1.25x0.85mm,200mA,TP,	1	S.N.A	
....4	T0568	3301-001428	BEAD-SMD;2000ohm,2x1.25x0.85mm,200mA,TP,	1	S.N.A	
....4	CN402	3701-001367	CONNECTOR-HDMI;19P,2R,FEMALE,SMD,AU	1	S.A	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	CN403	3701-001367	CONNECTOR-HDMI;19P,2R,FEMALE,SMD,AU	1	S.A	
....4	CN404	3701-001367	CONNECTOR-HDMI;19P,2R,FEMALE,SMD,AU	1	S.A	
....4	CN330	3711-005925	HEADER-BOARD TO CABLE;BOX,51P,1R,0.5mm,S	1	S.N.A	
....4	CN330	3711-006354	HEADER-BOARD TO CABLE;BOX,41P,2R,0.5mm,S	1	S.A	
....4	L101	BN27-00008A	COIL CHOKE-SMD;SMD12*12*8.5,GH15/17PS,22	1	S.A	
....4	L102	BN27-00008A	COIL CHOKE-SMD;SMD12*12*8.5,GH15/17PS,22	1	S.A	
....4	T0077	BN41-00972A	PCB MAIN;AMBER,FR-4,4,1.0,1.6,192*240,L6	1	S.N.A	
....4	M0018	BN97-02068A	ASSY MICOM;T-AMBAUSCXXXX,LN40A650A1FXZA,	1	S.N.A	
....5	IC115	1107-001699	IC-FLASH MEMORY;KFG1216U2B,512Mbit,32Mx1	1	S.A	
....4	M0018	BN97-02103A	ASSY MICOM;T-AMBAUSM-XXXX,N47A,2007.12.2	1	S.N.A	
....5	IC520	0903-001485	IC-MICROCONTROLLER;44P,12x12mm,24MHz,TR,	1	S.N.A	
....4	T0313	3404-001207	SWITCH-TACT;12V,50mA,160gf,6.2X6.2,SPST	1	S.A	
....4	R110	2007-007587	R-CHIP;3.6Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	CN330	3711-006374	HEADER-BOARD TO CABLE;BOX,41P,2R,1.25mm,	1	S.A	
....4	C1630	2409-001123	C-POLYMER ,LEAD;10uF,20%,6.3V,WT,REEL,20	1	S.A	
....4	C1634	2409-001123	C-POLYMER ,LEAD;10uF,20%,6.3V,WT,REEL,20	1	S.A	
...3	T0334	AA60-00040A	SPACER-CRT;OD8,ID4,BLK,-,-,-,-,-,-,-,-	1	S.N.A	
...3	JA333	3722-002697	JACK-PIN;14P+1P(Shield+Gnd),NI,BLACK,STR	1	S.A	
0.1	A/LCD	BN91-02060A	ASSY LCD-AMLCD;LN46A650A1FXZA,AMLCD	1	S.N.A	
..2	M0215	BN07-00530A	LCD-PANEL;LTF460HE01	1	S.A	
0.1	M0113	BN92-03200A	ASSY P/MATERIAL;46,AMBER,(650),UO,,,,	1	S.N.A	
..2	T0524	6902-000867	BAG PE;HDPE/HDPE/NITRON,T0.015/T0.015/T1	1	S.N.A	
..2	B/PP	6922-000013	BAND PP;PP,W18,L2300m,TRP,Roll Diameter	5.2	S.N.A	
..2	T0214	AA61-20285C	HOLDER-BOX;CORAL,PP,BLACK,HB	2	S.N.A	
0.1	M0045	BN92-03288E	ASSY ACCESSORY;LN46A650A1FXZC	1	S.N.A	
..2	M0045	BN96-07677A	ASSY ACCESSORY;LN46A650A1FXZC	1	S.A	
...3	T0121	3301-001305	CORE-FERRITE;AE,30X15X34(39)MM,1500,2800	1	S.A	
...3	T0268	3903-000144	CBF-POWER CORD;DT,US,BP3/Y,U(IEC C13-RA)	1	S.A	
...3	T0524	6902-000018	BAG PE;LDPE,T0.1,W280,L400,CLEAR,8,2	1	S.N.A	
...3	REV 05	AA68-00682C	CARD WARRANTY-05;PDP,W/P120(G),SECA,B5,B	1	S.N.A	
...3	CLOTH	BN63-01798A	CLOTH-CLEAN;RE40**,CLOTH,180,200,RHCM	1	S.N.A	
...3	T0531	BN63-04288A	COVER-BOTTOM;AMBER,46,HIPS,-,-,-,V0,-,BK	1	S.N.A	
...3	T0685	4301-000103	BATTERY-ALKALINE;1.5V,750mAH,AAA,10.5x44	2	S.A	
...3	T0210	AA68-03242L	MANUAL FLYER-01,SAFETY GUIDE;comm,Samsun	1	S.N.A	
...3	T0074	BN59-00695A	REMOCON;TM-98B,49,AMERICA_650	1	S.A	
...3	T0511	BN68-01429C	MANUAL USERS;COMM,SAMSUNG,Eng/CF,CANADA,	1	S.N.A	
...3		BN68-01430B	MANUAL FLYER-QSG;COMM,SAMSUNG,Eng/CF,CAN	1	S.N.A	
0.1	M0003	BN92-03195M	ASSY BOX;46AA1,CANADA,AMBER	1	S.N.A	
..2	M0521	BN69-02381A	BOX-SET,IN;L650-46-S,CB,C-01,DY-01,AB,W1	1.01	S.N.A	
..2	B/OUT	BN69-02636J	BOX-SET,OUT;46L650,CB,C-03,DW-80,YEL,CAN	1.02	S.N.A	
0.1	M0019	BN92-03287D	ASSY LABEL;LN40A650A1FXZC	1	S.N.A	

5-8. LN52A650A1F Parts List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
		LN52A650A1FXZA	LN52A650A1F,N47A/52AA1-GAM,52,LCD-TV,UNI			
0.1	M0001	BN90-01519A	ASSY COVER FRONT;52,L650A,UO,,,,AMBER	1	S.N.A	
..2	T0175	BN96-06809D	ASSY SPEAKER P;8ohm,Amber,LCD 52",10W,4p	1	S.A	
..2	T0003	BN96-06845A	ASSY COVER P-FRONT;52,L650A,UO,,PC(CLEAR	1	S.A	
...3	M0081	6003-001188	SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S	1	S.A	
...3	CCM1	BN63-02183F	COVER-SHEET;Rhcm,PE Vinyl,T0.05,900mm,20	0.75	S.N.A	
...3	M0112	BN63-04143A	COVER-FRONT;52,L650A,UO,PC(CLR)+P(ROSE	1	S.N.A	
...3	A/HBBOTTOM	BN96-06853B	ASSY HOLDER P-BOSS BOTTOM;52,L650A,,ABS,	1	S.N.A	
....4	H/BOSS	BN61-03261P	BOSS-TAPE;AMBER,ACRYL,T1.1,W24.0mm,WHITE	1.175	S.N.A	
....4	H/BBOTTOM	BN61-03836B	HOLDER-BOSS BOTTOM;52,L650,ABSV0,WH12,AM	1	S.N.A	
....4		BN61-03261S	BOSS-TAPE;AMBER,ACRYL,T1.1,W20.0mm,WHITE	0.06	S.N.A	
...3	A/HBTOP	BN96-06854B	ASSY HOLDER P-BOSS TOP;52,L650A,,ABS,V0(1	S.N.A	
....4	A/HBB	BN61-03261K	BOSS-TAPE;AMBER,ACRYL,T1.1,W8.0mm,WHITE,	1.24	S.N.A	
....4	H/BTOP	BN61-03838B	HOLDER-BOSS TOP;52,L650,ABSV0,WH12,AMBER	1	S.N.A	
....4	A/HBB	BN61-03261R	BOSS-TAPE;AMBER,ACRYL,T1.1,W16.0mm,WHITE	0.06	S.N.A	
...3	F/COVER	BN96-07654A	ASSY HOLDER P-BOSS SIDE;52,L650,,PC V1 R	2	S.N.A	
....4		BN61-03261A	BOSS-TAPE;Tulip,ACRYL,T1.1,W12mm,GRAY,TA	0.275	S.N.A	
....4		BN61-04081A	HOLDER-BOSS SIDE;52,L650,PC+ABS,V0,-,-,-	1	S.N.A	
...3	M0175	BN96-07503B	ASSY BOARD P-TOUCH FUNCTION&IR;LN52A650A	1	S.A	
...3	T0069	BN60-00094A	SPACER-FELT;52A650,L1150*,T0.5,W28*	2	S.N.A	
...3	T0069	BN60-00100A	SPACER-FELT;52A650,L650*,T0.35,W28*	2	S.N.A	
0.1	M0002	BN90-01524A	ASSY COVER REAR;52,L650A,UO,,,,AMBER	1	S.N.A	
..2	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	16	S.A	
..2	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	1	S.A	
..2	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	1	S.A	
..2	C/R+H/WALL	6011-001610	BOLT-ETC;M8,L18,ZPC(BLK),SWRCH18A,WSP,PH	4	S.N.A	
..2	M0013	BN96-06893A	ASSY COVER P-REAR;52,L650A,UO,,PC+ABS,V0	1	S.A	
...3	T0069	AA60-00091J	SPACER-FELT;-,-,FELT,330X10,-,-,BLK,T0.5,-	2	S.N.A	
...3	CCM1	BN63-02183H	COVER-SHEET;Rhcm,PE Vinyl,T0.05,1300mm,2	1.1	S.N.A	
...3	M0006	BN63-04329A	COVER-REAR;52,L650A,UO,PC+ABS,-,-,-,V0,-	1	S.N.A	
...3	T0071	BN64-00807B	INLAY-TERMINAL;L650,UO,PS SHEET,T0.3,-,-	1	S.N.A	
...3	T0064	BN65-00002A	CLAMPER CORE;BORDEAUX,LDPE,-,-,BLK,-	1	S.N.A	
0.1	M0216	BN90-01529A	ASSY STAND;52,L650A,,,RD02,AMBER	1	S.N.A	
..2	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	4	S.A	
..2	M0027	BN96-06875A	ASSY STAND P-BASE;52,L650A,,ABS+PMMA,HB,	1	S.A	
...3	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	4	S.A	
...3	M0081	6003-001239	SCREW-TAPTITE;FH,+,-,B,M4,L10,ZPC(WHT),S	8	S.A	
...3	H/SRMIDDLE	BN61-02533A	HOLDER-SWIVEL RING;46M7 EO,ACETAL,NATUAL	1	S.N.A	
...3	H/SRBOTTOM	BN61-02534A	HOLDER-SWIVEL RING;46M7 EO,ACETAL,NATUAL	1	S.N.A	
...3	B/GSWIVEL	BN61-02536A	BRACKET-HINGE SWIVEL;46M7 EO,HG,T3.0	1	S.N.A	
...3	B/SBOTTOM	BN61-03006A	BRACKET-STAND BOTTOM;TULIP46,SECC,T3.0	1	S.N.A	
...3	T0920	BN61-03837A	GUIDE-STAND;L650 52,PC+G/F 20%,BLK	1	S.N.A	
...3	CCM1	BN63-02183F	COVER-SHEET;Rhcm,PE Vinyl,T0.05,900mm,20	0.45	S.N.A	
...3	T0004	BN63-03137B	COVER-STAND BASE;52AA1,ABS+PMMA,HB,RD02,	1	S.N.A	
...3	M0126	BN73-00052C	RUBBER-FOOT;LCD TV,CR RUBBER,T2.0 DIA19,	4	S.N.A	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
0.1	A/SHIELD	BN91-02037A	ASSY SHIELD-SQH;LN52A650A1FXZA,AMLCD, N4	1	S.N.A	
..2	M0081	6003-000115	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC	5	S.A	
..2	M0081	6003-000115	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC	6	S.A	
..2	M0081	6003-000115	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC	7	S.A	
..2	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	3	S.A	
..2	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	2	S.A	
..2	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	1	S.A	
..2	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	1	S.A	
..2	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	10	S.A	
..2	M0081	6003-001188	SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S	6	S.A	
..2	M0081	6003-001188	SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S	2	S.A	
..2	M0081	6003-001188	SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S	1	S.A	
..2	M0081	6003-001188	SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S	4	S.A	
..2	M0081	6003-001439	SCREW-TAPTITE;BH,+,-,S,M4,L8,ZPC(WHT),SW	1	S.N.A	
..2	M0081	6003-001439	SCREW-TAPTITE;BH,+,-,S,M4,L8,ZPC(WHT),SW	1	S.N.A	
..2	M2893	BH39-00362D	LEAD CONNECTOR;BEETHOVEN,UL1007#26,5P,50	1	S.A	
..2	M2893	BN39-00802Q	LEAD CONNECTOR;PS58P96FDX,UL1617#22,24P/	1	S.A	
..2	M2893	BN39-00851A	LEAD CONNECTOR;LE40M73BD,UL3443 #28,7P,3	1	S.A	
..2	M2893	BN39-01019A	LEAD CONNECTOR;LN52A550P,UL1007#26,2pin,	1	S.A	
..2	M2893	BN39-01021A	LEAD CONNECTOR;LN46A550P,UL1007#26,2pin,	1	S.A	
..2	M0174	BN44-00201A	IP BOARD;SIP528A,PEARL,15mA,150mA,150Hz,	1	S.A	
..2	M0114	BN61-02500A	HOLDER-WIRE;NYLON6.6,NATURAL	3	S.N.A	
..2	M0254	BN61-02875N	HOLDER-SIDE AV;40,L650,UO,PC+ABS,V0,-,-,	1	S.N.A	
..2	M0146	BN61-03056A	BRACKET-PANEL TOP;TULIP52,SECC,T1.2	4	S.N.A	
..2	B/GMAIN	BN61-03828A	BRACKET-GUIDE MAIN;AMBER 52,SECC,T1.2,R	1	S.N.A	
..2	M0131	BN63-03009A	GASKET;LN52M71BD,Conductive Fabric,27mm,	1	S.N.A	
..2	M0125	BN96-05490A	ASSY INLET P;LE52M87BDX,XEC,300,300,150m	1	S.A	
..2	M0214	BN96-07161P	ASSY CABLE P-FLAT LVDS;LN52A650A1F,FFC,8	1	S.A	
..2	M0560	BN96-07413A	ASSY HOLDER P-WALL LEFT;46,L650,,PC V1 R	1	S.A	
...3	T0067	BN60-00079B	SPACER-SCREEN;46L650,EVA SPONGE,L125,BLK	1	S.N.A	
...3	B/SNUT	BN61-02932A	BRACKET-STOPPER NUT;SUM24L	2	S.N.A	
...3	H/WLEFT	BN61-03788A	HOLDER-WALL LEFT;L650 46,HIPS V0,BK500,L	1	S.N.A	
..2	M0561	BN96-07414A	ASSY HOLDER P-WALL RIGHT;46,L650,,PC V1	1	S.A	
...3	T0067	BN60-00079A	SPACER-SCREEN;46L650,EVA SPONGE,L165,BLK	1	S.N.A	
...3	B/SNUT	BN61-02932A	BRACKET-STOPPER NUT;SUM24L	2	S.N.A	
...3	H/WRIGHT	BN61-03864A	HOLDER-WALL RIGHT;L650 46,HIPS V0,BK500,	1	S.N.A	
..2	T0066	BP62-00064B	HEAT SINK-ES;ROBOCOP,A6063,T4.0,40,40,BL	1	S.N.A	
..2	T0562	6046-001013	STAND OFF;M3,L5,Ni PLT,SUM24L,#4-40	2	S.N.A	
..2	T0447	BN96-06887C	ASSY BRACKET P-PANEL;52,L650A,UO,AMBER,G	1	S.N.A	
...3	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	2	S.A	
...3	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	1	S.A	
...3	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	1	S.A	
...3	M0081	6003-000337	SCREW-TAPTITE;BH,+,S,M4,L10,ZPC(BLK),SWR	1	S.A	
...3		BN61-03011A	BRACKET-GUIDE POWER;TULIP46,SECC,T1.2,RI	1	S.N.A	
...3		BN61-03012A	BRACKET-GUIDE POWER;TULIP46,SECC,T1.2,LE	1	S.N.A	
...3		BN61-03057A	BRACKET-PANEL BOTTOM;TULIP52,SECC,T1.2	1	S.N.A	
...3	M0115	BN61-03109A	BRACKET-STAND LINK;TULIP-SIDE 46,SECC,T1	1	S.N.A	
...3		BN61-03827A	BRACKET-GUIDE MAIN;AMBER 52,SECC,T1.2,L	1	S.N.A	
...3	M0131	BN63-02870A	GASKET;LNS4096D,Conductive Fabric,26mm,1	1	S.N.A	
...3	M0131	BN63-03519A	GASKET;Tulip,Conductive Fabric,14mm,10mm	1	S.N.A	
...3	M0131	BN63-03921A	GASKET;LE46F86BDX,Conductive Fabric,12,1	1	S.N.A	

5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
..2	T0175	BN96-07193G	ASSY SHIELD P-PCB MAIN;52,L650A,UO,SECC,	1	S.N.A	
...3	M0131	AA63-01218A	GASKET;GSJ26KU,Conductive Fabric,11mm,10	1	S.N.A	
...3		AA63-01388A	GASKET-EMI,SPONGE;SP-P300M,Conductive Fa	2	S.N.A	
...3	M0131	BN63-02627A	GASKET;Oxford,Conductive Fabric,8,13,30,	1	S.N.A	
...3	M0131	BN63-02904A	GASKET;SONOMA iDTV,Conductive Fabric,14,	1	S.N.A	
...3	T0603	BN63-04303A	SHIELD-PCB MAIN;AMBER 40,SECC,T0.5,-,-,-	1	S.N.A	
0.1	M0017	BN91-02042A	ASSY CHASSIS;LN52A650A1FXZA,AMLCD ,N47A	1	S.N.A	
..2	M0014	BN94-01666E	ASSY PCB MAIN;LN52A650A1FXZA	1	S.A	
...3	T0245	0202-001608	SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0.	0.25	S.N.A	
...3	X1001	2801-004732	CRYSTAL-UNIT;27MHz,30ppm,28-AAM,12pF,30o	1	S.A	
...3	CN401	3701-001294	CONNECTOR-DSUB;15P,3R,FEMALE,STRAIGHT,AU	1	S.A	
...3	CN503B	3701-001388	CONNECTOR-HDMI;20P,Phosphor Bronze,ANGLE	1	S.A	
...3	CN906	3707-001081	CONNECTOR-OPTICAL;STRAIGHT,SPDIF	1	S.A	
...3	CN330	3711-000058	HEADER-BOARD TO CABLE;BOX,4P,1R,2.5MM,AN	1	S.A	
...3	CN330	3711-004484	HEADER-BOARD TO CABLE;BOX,5P,1R,2mm,STRA	1	S.A	
...3	CN330	3711-004531	HEADER-BOARD TO CABLE;BOX,10P,1R,2mm,ANG	1	S.A	
...3	CN330	3711-005842	HEADER-BOARD TO CABLE;BOX,24P,2R,2MM,STR	1	S.A	
...3	JA330	3722-000143	JACK-PHONE;1P(VER),AG,BLK,ANGLE	1	S.A	
...3	JA330	3722-001061	JACK-PHONE;1P,3.6PI,AG,BLK,N	1	S.A	
...3	CN303B	3722-002275	JACK-DIN;4P,-,SN,BLK,-	1	S.A	
...3	U1601	3722-002426	JACK-MODULAR;8P/8C,-,N,STRAIGHT,GRN/YEL,	1	S.A	
...3	CN501B	3722-002546	JACK-USB;4P/1C,AU,BLK,ANGLE,A type	1	S.N.A	
...3	JA333	3722-002697	JACK-PIN;14P+1P(Shield+Gnd),NI,BLACK,STR	1	S.A	
...3	JA333	3722-002728	JACK-PIN;3P, SHIELD,Ni,RED/WHT/YEL,ANGLE	1	S.A	
...3	CIS3	AA40-00177A	TUNER;TDQU6-K01A,TDQU6-K01A,NTSC/ATSC,18	1	S.A	
...3	T0066	BN62-00003A	HEAT SINK-ES;NK,SUN,A6063S,T2.5,W28,L28,	1	S.N.A	
...3	T0174	BN97-02044G	ASSY SMD;LN52A650A1FXZA	1	S.N.A	
....4	SUB05	0202-001477	SOLDER-CREAM;LST309-M,-,D20~45um,96.5Sn/	3.253	S.N.A	
....4	D101	0401-000133	DIODE-SWITCHING;RLS4148,75V,150mA,LL-34,	1	S.A	
....4	D105	0401-000133	DIODE-SWITCHING;RLS4148,75V,150mA,LL-34,	1	S.A	
....4	D1601	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D1602	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D1603	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D1604	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D1605	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D413	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D417	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D418	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D421	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D423	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D424	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D451	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D452	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D457	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D464	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D507	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D508	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D509	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D510	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D511	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	D512	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D513	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D514	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D515	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D516	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D701	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D801	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D802	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D803	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D804	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D805	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D806	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D807	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D813	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D814	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D1503	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	S.A	
....4	D1504	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	S.A	
....4	D1505	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	S.A	
....4	D1506	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	S.A	
....4	D1510	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	S.A	
....4	D1511	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	S.A	
....4	D1512	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	S.A	
....4	D1513	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	S.A	
....4	D0254	0402-000553	DIODE-SCHOTTKY;SS24/B240,40V,2000mA,DO-2	1	S.A	
....4	D103	0402-001098	DIODE-RECTIFIER;SK34,40V,3A,SMC,TP	1	S.A	
....4	D1501	0403-000002	DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD	1	S.A	
....4	D440	0403-000002	DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD	1	S.A	
....4	D441	0403-000002	DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD	1	S.A	
....4	D442	0403-000002	DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD	1	S.A	
....4	D517	0403-000002	DIODE-ZENER;VLZ5V6B,5.45/5.73V,500mW,SOD	1	S.A	
....4	D404	0403-000771	DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD	1	S.A	
....4	D405	0403-000771	DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD	1	S.A	
....4	D406	0403-000771	DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD	1	S.A	
....4	D502	0403-000771	DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD	1	S.A	
....4	D504	0403-000771	DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD	1	S.A	
....4	D505	0403-000771	DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD	1	S.A	
....4	D811	0403-000771	DIODE-ZENER;VLZ6V2B,5.96-6.27V,500mW,SOD	1	S.A	
....4	D204	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D207	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D208	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D209	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D210	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D211	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D212	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D213	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D214	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D215	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D216	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D218	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D219	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D220	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	

5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	D221	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D222	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D223	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D224	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D225	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D226	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D227	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D228	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D229	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D230	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D231	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D232	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D233	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D234	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D235	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D236	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D237	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D303B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D304B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D307B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D308B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D309B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D310B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D312B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D313B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D314B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D315B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D316B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D317B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D318B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D319B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D320B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D321B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D322B	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D407	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D411	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D412	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D443	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D444	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D445	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D446	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D447	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D448	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D449	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D450	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D458	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D465	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D506	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A	
....4	D1514	0403-001174	DIODE-ZENER;VLZ8V2B,7.78-8.19V,500mW,SOD	1	S.A	
....4	D702	0403-001425	DIODE-ZENER;BZX84C33,31-35V,350mW,SOT-23	1	S.A	
....4	D205	0406-001172	DIODE-TVS;CDS3C30GTH,48/-/50V,SMD	1	S.A	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	D206	0406-001172	DIODE-TVS;CDS3C30GTH,48/-/50V,SMD	1	S.A	
....4	D501	0406-001181	DIODE-TVS;NUP4201MR6,6/-/V,500W,TSOP-6	1	S.A	
....4	D408	0406-001271	DIODE-TVS;RCLAMP0524P,6/-/V,150W,SLP251	1	S.A	
....4	D409	0406-001271	DIODE-TVS;RCLAMP0524P,6/-/V,150W,SLP251	1	S.A	
....4	D460	0406-001271	DIODE-TVS;RCLAMP0524P,6/-/V,150W,SLP251	1	S.A	
....4	D461	0406-001271	DIODE-TVS;RCLAMP0524P,6/-/V,150W,SLP251	1	S.A	
....4	D462	0406-001271	DIODE-TVS;RCLAMP0524P,6/-/V,150W,SLP251	1	S.A	
....4	D463	0406-001271	DIODE-TVS;RCLAMP0524P,6/-/V,150W,SLP251	1	S.A	
....4	D808	0407-000123	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	1	S.A	
....4	D809	0407-000123	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	1	S.A	
....4	D810	0407-000123	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	1	S.A	
....4	Q1001	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q102	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q103	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q1501	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q1504	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q1506	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q701	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q802	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q803	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q804	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q805	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q806	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q901	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	1	S.A	
....4	Q1502	0501-000669	TR-SMALL SIGNAL;KTA1505Y,PNP,150mW,SOT-2	1	S.A	
....4	Q1601	0501-000669	TR-SMALL SIGNAL;KTA1505Y,PNP,150mW,SOT-2	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A	
....4	Q409	0505-002169	FET-SILICON;Si4435BDY-T1-E3,P,-30V,-9.1A	1	S.N.A	
....4	IC104	0801-002633	IC-CMOS LOGIC;7WBD3125,2bit BUS SWITCH,S	1	S.A	
....4	IC104	0801-002633	IC-CMOS LOGIC;7WBD3125,2bit BUS SWITCH,S	1	S.A	
....4	IC104	0801-002633	IC-CMOS LOGIC;7WBD3125,2bit BUS SWITCH,S	1	S.A	
....4	IC104	0801-002780	IC-CMOS LOGIC;74LVC1G17,SCHMITT-TRIGGER	1	S.A	
....4	IC804	1001-001109	IC-ANALOG SWITCH;FST3125M,BUS SWITCH & C	1	S.A	
....4	IC106	1001-001513	IC-VIDEO SWITCH;TMDS351PAG,TQFP,64P,9x9m	1	S.A	
....4	IC201	1006-001266	IC-LINE TRANSCEIVER;SP3232EEY,TSSOP,16P,	1	S.A	
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x	1	S.A	
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x	1	S.A	
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x	1	S.A	
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x	1	S.A	
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x	1	S.A	
....4	IC112	1103-001289	IC-EEPROM;93C46,1Kbit,128x8/64x16Bit,SOP	1	S.A	
....4	IC112	1103-001385	IC-EEPROM;AT24C256,256Kbit,32Kx8,SOP,8P,	1	S.A	
....4	IC113	1105-001835	IC-DRAM;K4T51163QE-ZCE7,DDR2 SDRAM,512Mb	1	S.A	

5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	IC113	1105-001835	IC-DRAM;K4T51163QE-ZCE7,DDR2 SDRAM,512Mb	1	S.A	
....4	DU410	1201-000166	IC-OP AMP;LM358,SOP,ST,8P,150MIL,DUAL,10	1	S.A	
....4	T0124	1201-002678	IC-POWER AMP;STA335BWS,PSSO,36P,10.3x7.5	1	S.A	
....4	IC012	1203-001519	IC-POS1.ADJUST REG.;LM317,SOT223,3P,274	1	S.A	
....4	T0087	1203-001815	IC-POS1.FIXED REG.;78M09,TO-252,3P,-,PLA	1	S.A	
....4	T0087	1203-001815	IC-POS1.FIXED REG.;78M09,TO-252,3P,-,PLA	1	S.A	
....4	T0087	1203-002835	IC-POS1.FIXED REG.;KIA7805AF,DPAK,3P,6.6	1	S.A	
....4	T0087	1203-002842	IC-POS1.FIXED REG.;AP1117D-33A,TO-252,3P	1	S.A	
....4	T0087	1203-002842	IC-POS1.FIXED REG.;AP1117D-33A,TO-252,3P	1	S.A	
....4	T0170	1203-003059	IC-SWITCH VOL. REG.;MP1583,SOIC,8P,4.9x3	1	S.A	
....4	IC062	1203-003183	IC-MULTI REG.;SI-3002KWM-TL,DPAK,5P,6.6X	1	S.A	
....4	IC501	1203-003394	IC-POWER SUPERVISOR;MIC2544-1YM,SOP,8P,4	1	S.A	
....4	T0087	1203-003696	IC-POS1.FIXED REG.;NCP1117DT18T5G,DPAK,3	1	S.A	
....4	T0087	1203-003696	IC-POS1.FIXED REG.;NCP1117DT18T5G,DPAK,3	1	S.A	
....4	IC1503	1203-004364	IC-VOL. DETECTOR;RT9818C-42PV,SOT-23,3P,	1	S.A	
....4	IC802	1203-004364	IC-VOL. DETECTOR;RT9818C-42PV,SOT-23,3P,	1	S.A	
....4	T0170	1203-004868	IC-SWITCH VOL. REG.;MP2363,SOIC,8P,4.9x3	1	S.A	
....4	IC1001	1204-002814	IC-DECODER;S4LJ003X,PBGA,816P,35x35mm,PL	1	S.A	
....4	IC1502	1204-002822	IC-AUDIO PROCESSOR;SGTV5910,PLASTIC,100P	1	S.N.A	
....4	IC1601	1205-002941	IC-ETHERNET CONTROLLER;RTL8100CL-LF,LQFP	1	S.N.A	
....4	IC601	1205-003410	IC-RECEIVER;MST336CCLK-LF-170,LQFP,144P,	1	S.A	
....4	IC1002	1209-001794	IC-PLL;ICS475G-16,TSSOP,16P,5.0x4.4mm,PL	1	S.A	
....4	IC805	1405-001185	VARISTOR;24Vdc,1.6x0.8x0.36mm,TP	1	S.A	
....4	R110	2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000060	R-CHIP;100Kohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	

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Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007319	R-CHIP;390ohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007319	R-CHIP;390ohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007587	R-CHIP;3.6Kohm,1%,1/16W,TP,1005	1	S.N.A	
....4	R110	2007-007797	R-CHIP;44.2ohm,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-008596	R-CHIP;0.1ohm,1%,1/4W,TP,3216	1	S.A	
....4	R110	2007-008596	R-CHIP;0.1ohm,1%,1/4W,TP,3216	1	S.A	
....4	R110	2007-008596	R-CHIP;0.1ohm,1%,1/4W,TP,3216	1	S.A	
....4	R110	2007-008596	R-CHIP;0.1ohm,1%,1/4W,TP,3216	1	S.A	
....4	R110	2007-008596	R-CHIP;0.1ohm,1%,1/4W,TP,3216	1	S.A	
....4	RA1201	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1202	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1203	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1204	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1205	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1206	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1207	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1208	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1209	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1210	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1211	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1212	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1221	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1222	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1223	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1224	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1225	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1226	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1227	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1228	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1229	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1230	2011-000002	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,32	1	S.A	
....4	RA1002	2011-000515	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	S.A	
....4	RA1003	2011-000515	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	S.A	
....4	RA1004	2011-000515	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	S.A	
....4	RA1213	2011-000515	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	S.A	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	RA1214	2011-000515	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	S.A	
....4	RA1215	2011-000515	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	S.A	
....4	RA1216	2011-000515	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	S.A	
....4	RA501B	2011-001001	R-NETWORK;0ohm,5%,1/16W,L,CHIP,8P,TP,3.2	1	S.A	
....4	RA502B	2011-001001	R-NETWORK;0ohm,5%,1/16W,L,CHIP,8P,TP,3.2	1	S.A	
....4	RA503B	2011-001001	R-NETWORK;0ohm,5%,1/16W,L,CHIP,8P,TP,3.2	1	S.A	
....4	RA601	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA602	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA603	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA604	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA605	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA606	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA801	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA802	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA803	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	RA804	2011-001093	R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP,3	1	S.A	
....4	C120	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608,-	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	S.A	
....4	C120	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	S.A	
....4	C120	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	S.A	
....4	C120	2203-000405	C-CER,CHIP;0.18nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000426	C-CER,CHIP;0.018nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000426	C-CER,CHIP;0.018nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000426	C-CER,CHIP;0.018nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	
....4	C120	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	S.A	

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Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	C120	2203-006361	C-CER,CHIP;1000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;1000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;1000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;1000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;1000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;1000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;1000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;1000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;1000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;1000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;1000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;1000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;1000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;1000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;1000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;1000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;1000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;1000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;1000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;1000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;1000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;1000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;1000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;1000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;1000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;1000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006361	C-CER,CHIP;1000nF,10%,10V,X5R,2012	1	S.A	
....4	C120	2203-006378	C-CER,CHIP;4700nF,10%,6.3V,X5R,1608	1	S.N.A	
....4	C120	2203-006378	C-CER,CHIP;4700nF,10%,6.3V,X5R,1608	1	S.N.A	
....4	C120	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,1005	1	S.N.A	
....4	C120	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,1005	1	S.N.A	
....4	C120	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,1005	1	S.N.A	
....4	C120	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,1005	1	S.N.A	
....4	C120	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,1005	1	S.N.A	
....4	C120	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,1005	1	S.N.A	
....4	C120	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,1005	1	S.N.A	
....4	C120	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,1005	1	S.N.A	
....4	C120	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,1005	1	S.N.A	
....4	C120	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,1005	1	S.N.A	
....4	C120	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,1005	1	S.N.A	
....4	C120	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,1005	1	S.N.A	
....4	C15103	2402-001259	C-AL,SMD;220uF,20%,16V,WT,REEL,8X10	1	S.A	
....4	C15104	2402-001259	C-AL,SMD;220uF,20%,16V,WT,REEL,8X10	1	S.A	
....4	C1513	2402-001259	C-AL,SMD;220uF,20%,16V,WT,REEL,8X10	1	S.A	
....4	C1140	2409-001118	C-POLYMER ,CHIP;47uF,-+20,10V,WT,REEL,3.	1	S.A	

5. Exploded View & Part List

[illegible]

5. Exploded View & Part List

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A	
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A	
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A	
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A	
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A	
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	1	S.A	
....4	T0568	3301-001428	BEAD-SMD;2000ohm,2x1.25x0.85mm,200mA,TP,	1	S.N.A	
....4	T0568	3301-001428	BEAD-SMD;2000ohm,2x1.25x0.85mm,200mA,TP,	1	S.N.A	
....4	T0568	3301-001428	BEAD-SMD;2000ohm,2x1.25x0.85mm,200mA,TP,	1	S.N.A	
....4	CN402	3701-001367	CONNECTOR-HDMI;19P,2R,FEMALE,SMD,AU	1	S.A	
....4	CN403	3701-001367	CONNECTOR-HDMI;19P,2R,FEMALE,SMD,AU	1	S.A	
....4	CN404	3701-001367	CONNECTOR-HDMI;19P,2R,FEMALE,SMD,AU	1	S.A	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	CN330	3711-005925	HEADER-BOARD TO CABLE;BOX,51P,1R,0.5mm,S	1	S.A	
....4	CN330	3711-005939	HEADER-BOARD TO CABLE;BOX,3P,1R,2mm,SMD-	1	S.A	
....4	L101	BN27-00008A	COIL CHOKE-SMD;SMD12*12*8.5,GH15/17PS,22	1	S.A	
....4	L102	BN27-00008A	COIL CHOKE-SMD;SMD12*12*8.5,GH15/17PS,22	1	S.A	
....4	T0077	BN41-00972B	PCB MAIN;AMBER,FR-4,4,1.0,1.6,192*240,L6	1	S.N.A	
....4	M0018	BN97-02068A	ASSY MICOM;T-AMBAUSC-1004.2,LN40A650A1FX	1	S.N.A	
....5	IC115	1107-001699	IC-FLASH MEMORY;KFG1216U2B,512Mbit,32Mx1	1	S.A	
....4	M0018	BN97-02103A	ASSY MICOM;T-AMBAUSM-1005,N47A,2008.4.16	1	S.N.A	
....5	IC520	0903-001485	IC-MICROCONTROLLER;44P,12x12mm,24MHz,TR,	1	S.N.A	
....4	C120	2203-000384	C-CER,CHIP;0.015nF,5%,50V,C0G,1608	1	S.A	
....4	C120	2203-000384	C-CER,CHIP;0.015nF,5%,50V,C0G,1608	1	S.A	
0.1	A/LCD	BN91-02060B	ASSY LCD-AMLCD;LN52A650A1FXZA,AMLCD	1	S.N.A	
..2	M0215	BN07-00531A	LCD-PANEL;LTF520HE01	1	S.A	
0.1	M0113	BN92-03199A	ASSY P/MATERIAL;52,AMBER,(650),UO,,,,	1	S.N.A	
..2	T0524	6902-000875	BAG PE;HDPE/HDPE/NITRON,T0.015/T0.015/T0	1	S.N.A	
..2	B/PP	6922-000013	BAND PP;PP,W18,L2300m,TRP,Roll Diameter	5.79	S.N.A	
..2	T0214	AA61-20285C	HOLDER-BOX;CORAL,PP,BLACK,HB	2	S.N.A	
0.1	M0045	BN92-03288A	ASSY ACCESSORY;LN52A650A1FXZA	1	S.N.A	
..2	M0045	BN96-07106A	ASSY ACCESSORY;LN52A650A1FXZA	1	S.A	
...3	T0268	3903-000144	CBF-POWER CORD;DT,US,BP3/Y,U(IEC C13-RA)	1	S.A	
...3	T0524	6902-000018	BAG PE;LDPE,T0.1,W280,L400,CLEAR,8,2,-,2	1	S.N.A	
...3	REV 06	AA68-00371C	MARK RECYCLE-CARD WARRANTY,07,,SEA,W/P10	1	S.N.A	
...3	T0531	BN63-04330A	COVER-BOTTOM;AMBER,52,HIPS,-,-,V0,-,BK	1	S.N.A	
...3	T0685	4301-000103	BATTERY-ALKALINE;1.5V,750mAh,AAA,10.5x44	2	S.A	
...3		AA68-03242L	MANUAL FLYER-02,SAFETY GUIDE;comm,Samsun	1	S.N.A	
...3	T0074	BN59-00695A	REMOCON;TM-98B,49,AMERICA_650	1	S.A	
...3	M0284	BN68-01429A	MANUAL USERS-02;COMM,SAMSUNG,Eng/Spa,N.A	1	S.N.A	
...3		BN68-01430A	MANUAL FLYER-QSG;COMM,SAMSUNG,Eng,N.Amer	1	S.N.A	
...3		BN63-01798B	CLOTH-CLEAN;cloth,180,200,sea blue,ToC	1	S.N.A	
...3		BN68-01600A	MANUAL FLYER-01,QSG;COMM,SAMSUNG,Eng,N/A	1	S.N.A	
...3	T0059	BN68-01675A	MANUAL;INSTRUCTION,AMBER,1 Page	1	S.N.A	
0.1	M0003	BN92-03194A	ASSY BOX;52,AMBER,(650)	1	S.N.A	
..2	M0521	BN69-02419A	BOX-SET,IN;L650-52-S,CB,C-01,DY-01,AB,W1	1	S.N.A	
..2		BN69-02420A	BOX-01,SET OUT;L650-52-S,CB,C-03,DY-01,A	1	S.N.A	
0.1	M0019	BN92-03287B	ASSY LABEL;LN46A650A1FXZA,N47A	1	S.N.A	
0.1	M0250	BN81-01702A	A/S-T-CON BOARD;LTF520HE01-A01,00531A,-,	1	S.A	

Memo

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 LCD TV

1. When servicing the LCD 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 LCD 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 LCD 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).

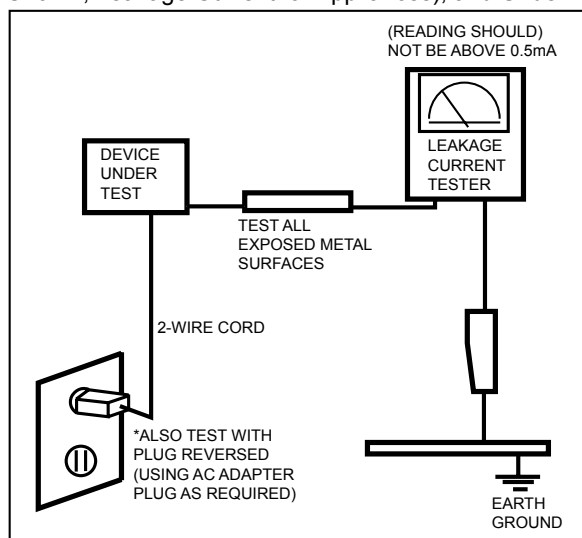


Figure 1-1. Leakage Current Test Circuit

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 \triangle 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 LCD 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 two 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 (10cm) between the product and the wall for ventilation purposes. A rise in temperature within the product may cause fire.

Memo

Model	LN32A650A1F	
Feature		
<ul style="list-style-type: none"> ▶ Digital-TV, RF, 4-HDMI, 2-Component, 2-A/V, 1-S-Video, USB2.0(WISELINK), D-SUB, INFO LINK ▶ Brightness : 500cd/m² ▶ Contrast Ratio : 15000:1 ▶ Response time : 8ms ▶ Dynamic contrast, Super-PVA ▶ PIP(in HDMI 1, 2, 3, 4, Component 1, 2, PC Mode and Sub picture is available only in TV analog mode) 		
Specifications		
Item	Description	
LCD Panel	TFT-LCD panel, RGB vertical stripe, SPVA mode, normaly black, 32-Inch viewable, 0.33635(H) x 0.12125(V) x 3 mm pixel pitch	
Scanning Frequency	Horizontal : 30 kHz ~ 80 kHz (Automatic) Vertical : 56 Hz ~ 75 Hz (Automatic)	
Display Colors	16.7M	
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	310MHz	
Active Display Horizontal/Vertical	27.50 x 15.47 inches (698.4(H) x 392.85(V))	
AC power voltage & Frequency	AC 110V ~ 220V, 60 Hz	
Power Consumption	<240 W (< 1W, stand by)	
Dimensions Set (W x D x H)	31.73 x 9.92 x 23.01 inches (806.0 x 251.9 x 584.4 mm)_with stand 31.73 x 3.19 x 20.80 inches (806.0 x 81.0 x 528.2 mm)_without stand	
Weight (Set)	31.53 lbs (14.3kg)_with stand 26.68 lbs (12.1kg)_without stand	
TV System	Tuning	Frequency Synthesizer (Refer to detailed Frequency Table)
	System	ATSC, NTSC5.38
	Sound	NTSC-M, AC-3 Digital
Environmental Considerations	Operating Temperature : 50°F ~ 104°F (10°C ~ 40°C) Operating Humidity : 10% ~ 80%, non-condensing Storage temperature : -13°F ~ 113°F (-25°C ~ 45°C) Storage Humidity : 5% ~ 95%, non-condensing	
Environmental Considerations	- MAX Internal speaker Out : Right => 10W, Left => 10W - BASS Control Range : -8 dB ~ + 8dB - TREBLE Control Range : -8 dB ~ +8 dB - Headphone Out : 10 mW MAX - Output Frequency : RF : 80 Hz ~ 15 kHz A/V : 80 Hz ~ 20 kHz	
Note: Anynet+, WISELINK, INFO LINK		

2. Product specifications

Model	LN40A650A1F	
Feature		
<ul style="list-style-type: none"> ▶ Digital-TV, RF, 4-HDMI, 2-Component, 2-A/V, 1-S-Video, USB2.0(WISELINK), D-SUB, INFO LINK ▶ Brightness : 500cd/m² ▶ Contrast Ratio : 50000:1 ▶ Response time : 6ms ▶ Dynamic contrast, Super-PVA ▶ PIP(in HDMI 1, 2, 3, 4, Component 1, 2, PC Mode and Sub picture is available only in TV analog mode) 		
Specifications		
Item	Description	
LCD Panel	TFT-LCD panel, RGB vertical stripe, SPVA mode, normally black, 40-Inch viewable, 0.46125(H) x 0.15375(W) x 3 mm pixel pitch	
Scanning Frequency	Horizontal : 30 kHz ~ 80 kHz (Automatic) Vertical : 56 Hz ~ 75 Hz (Automatic)	
Display Colors	1.07 billion colors	
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	310MHz	
Active Display Horizontal/Vertical	34.87 x 19.61 inches (885.6(H) x 498.15(V) mm)	
AC power voltage & Frequency	AC 110V ~ 220V, 60 Hz	
Power Consumption	<230 W (< 1W, stand by)	
Dimensions Set (W x D x H)	39.29 x 11.81 x 27.70 inches (998.0 x 300.0 x 703.5 mm) with stand 39.29 x 3.28 x 25.12 inches (998.0 x 83.4 x 638.0 mm) without stand	
Weight (Set)	44.53 lbs (20.2kg) with stand 35.93 lbs (16.3kg) without stand	
TV System	Tuning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	ATSC, NTSC5.38
	Sound	NTSC-M, AC-3 Digital
Environmental Considerations	Operating Temperature : 50°F ~ 104°F (10°C ~ 40°C) Operating Humidity : 10% ~ 80%, non-condensing Storage temperature : -13°F ~ 113°F (-25°C ~ 45°C) Storage Humidity : 5% ~ 95%, non-condensing	
Environmental Considerations	- MAX Internal speaker Out : Right => 10W, Left => 10W - BASS Control Range : -8 dB ~ + 8dB - TREBLE Control Range : -8 dB ~ +8 dB - Headphone Out : 10 mW MAX - Output Frequency : RF : 80 Hz ~ 15 kHz A/V : 80 Hz ~ 20 kHz	
Note: Anynet+, WISELINK, INFO LINK		

2-3

2. Product specifications

Model	LN52A650A1F	
Feature		
<ul style="list-style-type: none"> ▶ Digital-TV, RF, 4-HDMI, 2-Component, 2-A/V, 1-S-Video, USB2.0(WISELINK), D-SUB, INFO LINK ▶ Brightness : 500cd/m² ▶ Contrast Ratio : 50000:1 ▶ Response time : 6ms ▶ Dynamic contrast, Super-PVA ▶ PIP(in HDMI 1, 2, 3, 4, Component 1, 2, PC Mode and Sub picture is available only in TV analog mode) 		
Specifications		
Item	Description	
LCD Panel	TFT-LCD panel, RGB vertical stripe, SPVA mode, normally black, 52-Inch viewable, 0.6(H) x 0.2(W) x 3 mm pixel pitch	
Scanning Frequency	Horizontal : 30 kHz ~ 80 kHz (Automatic) Vertical : 56 Hz ~ 75 Hz (Automatic)	
Display Colors	1.07 billion colors	
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	307MHz	
Active Display Horizontal/Vertical	45.35 x 25.51 inches (1152 (H) x 648 (V) mm)	
AC power voltage & Frequency	AC 110V ~ 220V, 60 Hz	
Power Consumption	<290 W (< 1W, stand by)	
Dimensions Set (W x D x H)	44.53 x 11.02 x 30.49 inches (1276.0 x 326.0 x 866.1 mm) with stand 44.53 x 4.13 x 31.72 inches (1276.0 x 105.0 x 805.7 mm) without stand	
Weight (Set)	82.67 lbs (37.5kg) with stand 71.21 lbs (32.3kg) without stand	
TV System	Tuning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	ATSC, NTSC5.38
	Sound	NTSC-M, AC-3 Digital
Environmental Considerations	Operating Temperature : 50°F ~ 104°F (10°C ~ 40°C) Operating Humidity : 10% ~ 80%, non-condensing Storage temperature : -13°F ~ 113°F (-25°C ~ 45°C) Storage Humidity : 5% ~ 95%, non-condensing	
Environmental Considerations	- MAX Internal speaker Out : Right => 10W, Left => 10W - BASS Control Range : -8 dB ~ + 8dB - TREBLE Control Range : -8 dB ~ +8 dB - Headphone Out : 10 mW MAX - Output Frequency : RF : 80 Hz ~ 15 kHz A/V : 80 Hz ~ 20 kHz	
Note: Anynet+, WISELINK, INFO LINK		

CHANNEL FREQUENCY TABLE

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

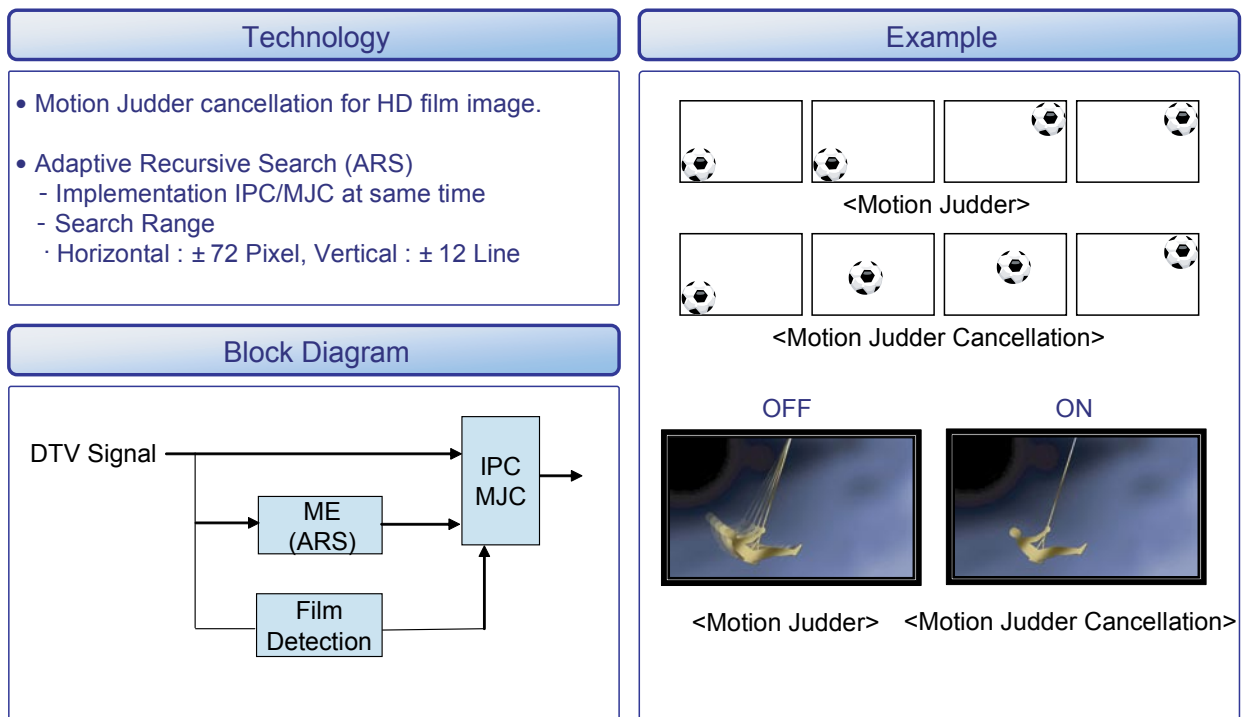
2. TUNING STEP SIZE : FIRST PLL 250KHz SECOND PLL 62.5KHz

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	217.25		SUPER	J	216.00		J	217.25	
24	24	533	531.25	UHF	K	223.25		SUPER	K	222.00		K	223.25	
25	25	539	537.25	UHF	L	229.25		SUPER	L	228.00		L	229.25	
26	26	545	543.25	UHF	M	235.25		SUPER	M	234.00		M	235.25	
27	27	551	549.25	UHF	N	241.25		SUPER	N	240.00		N	241.25	
28	28	557	555.25	UHF	O	247.25		SUPER	O	246.00		O	247.25	
29	29	563	561.25	UHF	P	253.25		SUPER	P	252.00		P	253.25	
30	30	569	567.25	UHF	Q	259.25		SUPER	Q	258.00		Q	259.25	
31	31	575	573.25	UHF	R	265.25		SUPER	R	264.00		R	265.25	
32	32	581	579.25	UHF	S	271.25		SUPER	S	270.00		S	271.25	
33	33	587	585.25	UHF	T	277.25		SUPER	T	276.00		T	277.25	
34	34	593	591.25	UHF	U	283.25		SUPER	U	282.00		U	283.25	
35	35	599	597.25	UHF	V	289.25		SUPER	V	288.00		V	289.25	
36	36	605	603.25	UHF	W	295.25		SUPER	W	294.00		W	295.25	
37	37	611	609.25	UHF	AA	301.25		HYPER	AA	300.00		AA	301.25	
38	38	617	615.25	UHF	BB	307.25		HYPER	BB	306.00		BB	307.25	
39	39	623	621.25	UHF	CC	313.25		HYPER	CC	312.00		CC	313.25	
40	40	629	627.25	UHF	DD	319.25		HYPER	DD	318.00		DD	319.25	
41	41	635	633.25	UHF	EE	325.25		HYPER	EE	324.00		EE	325.25	
42	42	641	639.25	UHF	FF	331.25		HYPER	FF	330.00		FF	331.25	
43	43	647	645.25	UHF	GG	337.25		HYPER	GG	336.00		GG	337.25	
44	44	653	651.25	UHF	HH	343.25		HYPER	HH	342.00		HH	343.25	
45	45	659	657.25	UHF	II	349.25		HYPER	II	348.00		II	349.25	
46	46	665	663.25	UHF	JJ	355.25		HYPER	JJ	354.00		JJ	355.25	
47	47	671	669.25	UHF	KK	361.25		HYPER	KK	360.00		KK	361.25	
48	48	677	675.25	UHF	LL	367.25		HYPER	LL	366.00		LL	367.25	
49	49	683	681.25	UHF	MM	373.25		HYPER	MM	372.00		MM	373.25	
50	50	689	687.25	UHF	NN	379.25		HYPER	NN	378.00		NN	379.25	
51	51	695	693.25	UHF	OO	385.25		HYPER	OO	384.00		OO	385.25	
52	52	701	699.25	UHF	PP	391.25		HYPER	PP	390.00		PP	391.25	
53	53	707	705.25	UHF	QQ	397.25		HYPER	QQ	396.00		QQ	397.25	
54	54	713	711.25	UHF	RR	403.25		HYPER	RR	402.00		RR	403.25	
55	55	719	717.25	UHF	SS	409.25		HYPER	SS	408.00		SS	409.25	
56	56	725	723.25	UHF	TT	415.25		HYPER	TT	414.00		TT	415.25	
57	57	731	729.25	UHF	UU	421.25		HYPER	UU	420.00		UU	421.25	
58	58	737	735.25	UHF	VV	427.25		HYPER	VV	426.00		VV	427.25	
59	59	743	741.25	UHF	WW	433.25		HYPER	WW	432.00		WW	433.25	
60	60	749	747.25	UHF	XX	439.25		HYPER	XX	438.00		XX	439.25	
61	61	755	753.25	UHF	YY	445.25		HYPER	YY	444.00		YY	445.25	
62	62	761	759.25	UHF	ZZ	451.25		HYPER	ZZ	450.00		ZZ	451.25	
63	63	767	765.25	UHF	AAA	457.25		HYPER	AAA	456.00		AAA	457.25	
64	64	773	771.25	UHF	BBB	463.25		HYPER	BBB	462.00		BBB	463.25	
65	65	779	777.25	UHF	CCC	469.25		ULTRA	CCC	468.00		CCC	469.25	
66	66	785	783.25	UHF	DDD	475.25		ULTRA	DDD	474.00		DDD	475.25	
67	67	791	789.25	UHF	EEE	481.25		ULTRA	EEE	480.00		EEE	481.25	
68	68	797	795.25	UHF	FFF	487.25		ULTRA	FFF	486.00		FFF	487.25	
69	69	803	801.25	UHF	GGG	493.25		ULTRA	GGG	492.00		GGG	493.25	



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
.
.
125	125				125	799.25	ULTRA	125	798.00	125	799.25
.
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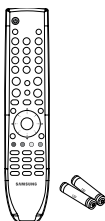
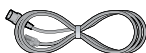

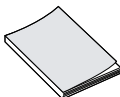


2-2. MJC : Motion Judder Cancellation (FRC)



2-3. Spec Comparison to the Old Models

Model	AMBER (LN40A650A1F/LN40A650A1F /LN46A650A1F/LN52A650A1F)	Tulip(LNT4061)
Design		
Display Type	LCD TV	LCD TV
Built-in Tuner	O	O
Resolution	1920 x 1080	1920 x 1080
LCD Panel	32" : TFT LCD Panel 60Hz 40"/46"/52" : TFT LCD Panel 120Hz	TFT LCD Panel 60Hz
Screen Size	32" / 40" / 46" / 52"	40"
Picture ratio	16 : 9	16 : 9
Dimensions (W x H x D)	32 31.73 x 9.92 x 23.01 inches_with stand 31.73 x 3.19 x 20.80 inches_without stand 40 39.29 x 11.81 x 27.70 inches_with stand 39.29 x 3.28 x 25.12 inches_without stand 46 44.53 x 11.02 x 30.49 inches_with stand 44.53 x 3.72 x 28.12 inches_without stand 52 44.53 x 11.02 x 30.49 inches_with stand 44.53 x 4.13 x 31.72 inches_without stand	44.4 x 12.8 x 31.0 inches_With Stand 44.4 x 4.2 x 28.8 inches_Without Stand
Weight	32 31.53 lbs (set) 42.11 lbs (package) 40 44.53 lbs (set) 58.20 lbs(package) 46 59.96 lbs (set) 74.07 lbs (package) 52 82.67 lbs (set) 97.00 lbs (package)	78.2 lbs (set)
Brightness	500 nit	500 nit
Contrast Ratio	32" : 15000:1 40"/46"/52" : 50000:1	8000:1
Picture Enhacer	DNle (FBE3)	DNle (FBE2)
Equalizer	5 Band	O
Auto Motion Plus 120Hz	O	X
Surround Sound	2 Way SRS TruSurround Dolby Digital	2 Way SRS TruSurround Dolby Digital
Speaker Output	10W + 10W	10W + 10W
Antenna	1 (Cable/Air)	2 (Cable/Air)

2-4. Accessories

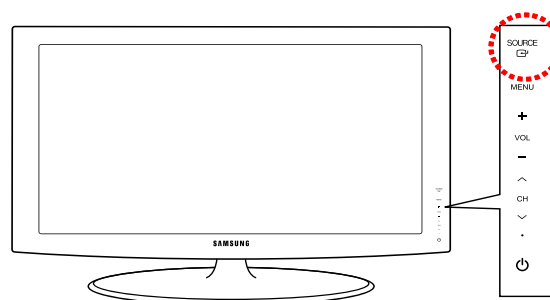
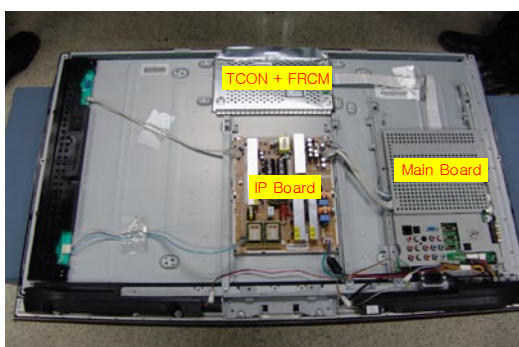
Product	Description	Code. No	Remark
	Remote Control & Batteries (AAA x 2)	BN59-00695A	Samsung Electronics Service center
	Power Cord	3903-000144	
	Cover-Bottom	LN32A650A1F: BN63-04294A LN40A650A1F: BN63-04243A LN46A650A1F: BN63-04288A LN52A650A1F: BN63-04330A	
	Owner's Instructions	BN68-01429A	
	Cleaning Cloth	BN63-01798A	
	Ferrite Core	3301-001305	

Memo

4. Troubleshooting

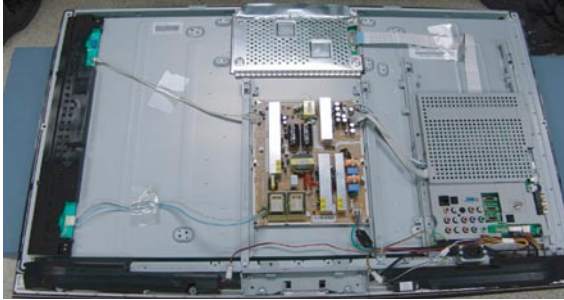
4-1. Troubleshooting

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.
3. Check internal Pattern of FRC if there is some picture noise.
 FRC : Factory mode(mute 1-8-2 power on when TV is "standby on") -> FRCM_opiton -> PATT_BeforeDDR -> Press right button of Remcon -> FRCM_option -> PATT_afterDDR -> Press right button of Remcon
 case 1 : PATT_BeforeDDR NG, PATT_afterDDR ok, change the main Board,
 case 2: PATT_afterDDR NG, PATT_BeforeDDR OK, change the T-con board.

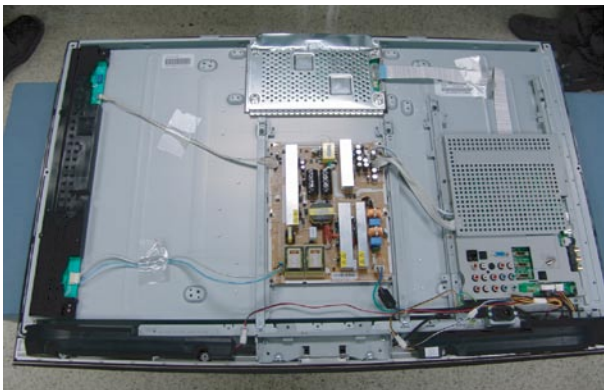


* FRCM: Micronas FRC chip

4-1-1. 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[Check a connection power cable. P/N: BN39-00802B] Q1 -- Yes --> Q2[Does proper Stand-By DC A5V appear at C114?] Q2 -- No --> A2[Change the Main Power assembly 32" : BN44-00208A 40" : BN44-00198A 46" : BN44-00203A 52" : BN44-00201A] Q2 -- Yes --> Q3[Does proper Main DC B13VS, B5V, B13V appear at C110, C109, C111?] Q3 -- No --> A2 Q3 -- Yes --> Q4[Does proper Inverter DC 120V appear at CN101 in SMPS?] Q4 -- No --> A2 Q4 -- Yes --> Q5[Does proper DC A3.3V appear at C128?] Q5 -- No --> A3[Check IC102 Change the Main Ass'y 32" : BN94-1666D 40" : BN94-1666C 46" : BN94-1666B 52" : BN94-1666A] Q5 -- Yes --> Q6[Does proper DC B3.3V, B8V, B9V, CODEC, B1.2V appear at C101, C129, C120, C139?] Q6 -- No --> A4[Check IC111, IC107, IC113, IC114 Change the Main Ass'y 32" : BN94-1666D 40" : BN94-1666C 46" : BN94-1666B 52" : BN94-1666A] Q6 -- Yes --> Q7[Does proper 1.2V_CORE, appear at C1402?] Q7 -- No --> A5[Check IC110, IC112 Change the Main Ass'y 32" : BN94-1666D 40" : BN94-1666C 46" : BN94-1666B 52" : BN94-1666A] Q7 -- Yes --> Q8[Does Proper VCC12, VCC33, VCC25 appear at CD62, RD46, CD55 of FRC Board?] Q8 -- No --> A6[Check a other function (No picture part) Replace a LCD Panel 32" : BN94-1666D 40" : BN07-00529A 46" : BN07-00530A 52" : BN07-00531A] </pre>
Caution	Make sure to disconnect the power before working on the IP board.

4-1-2. 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 MST336CCLK, Check the Bayhill+ This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.
Diagnostics	 <pre> graph TD A[Power Indicator is off. Lamp(Backlight) Off, no video] -- Yes --> B[Check the PC source and check the connection of DSUB?] B -- No --> C[Input an analog PC signal. Check the connected cable.] B -- Yes --> D[1 Does the signal appear at #11,#10,#8,#4,#5 (R, G, B, H, V) of IC601?] D -- No --> E[Check CN101, PC cable. Change the PC cable. Change the main PCB assembly] D -- Yes --> F[2 Does the digital data appear at output of R1308 ~R1321, R1323~R1336?] F -- No --> G[Check IC1001 Change the main PCB assembly] F -- Yes --> H[Check the LVDS cable? Replace the LCD panel?] H -- No --> I[Please, Contact Tech support] </pre> <p>Power Indicator is off. Lamp(Backlight) Off, no video</p> <p>Yes</p> <p>Check the PC source and check the connection of DSUB?</p> <p>No → Input an analog PC signal. Check the connected cable.</p> <p>Yes</p> <p>① Does the signal appear at #11,#10,#8,#4,#5 (R, G, B, H, V) of IC601?</p> <p>No → Check CN101, PC cable. Change the PC cable. Change the main PCB assembly</p> <p>Yes</p> <p>② Does the digital data appear at output of R1308 ~R1321, R1323~R1336?</p> <p>No → Check IC1001 Change the main PCB assembly</p> <p>Yes</p> <p>Check the LVDS cable? Replace the LCD panel?</p> <p>No → Please, Contact Tech support</p>
Caution	Make sure to disconnect the power before working on the IP board.

WAVEFORMS

1

2

PC Input (V-Sync, H-Sync)

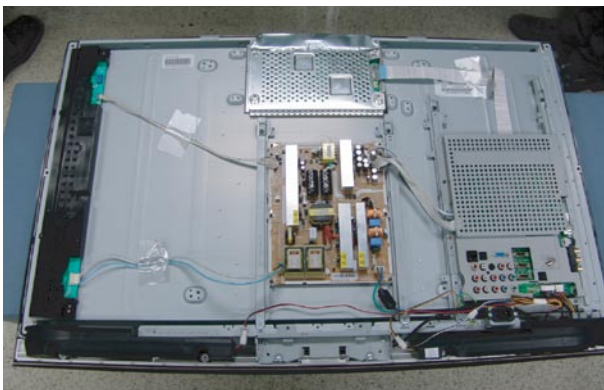
The screenshot displays an oscilloscope interface with two channels. Channel 1 (yellow) is labeled 'V-sync' and shows a single high pulse. Channel 2 (magenta) is labeled 'H-sync' and shows a series of horizontal sync pulses. The measurement panel on the right shows the following data:

Measurement	Value
High(C1)	3.250V
Low(C1)	Unstable
Frequency(C1)	Unstable
Period(C1)	16.66ns
Low signal amplitude	Unstable

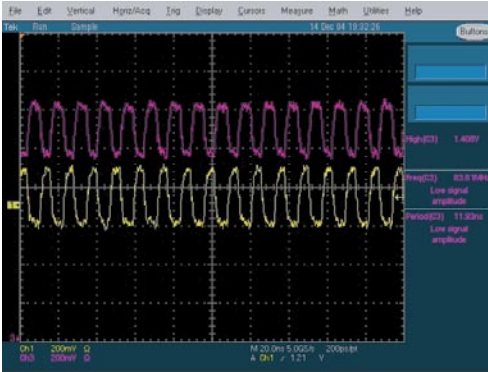
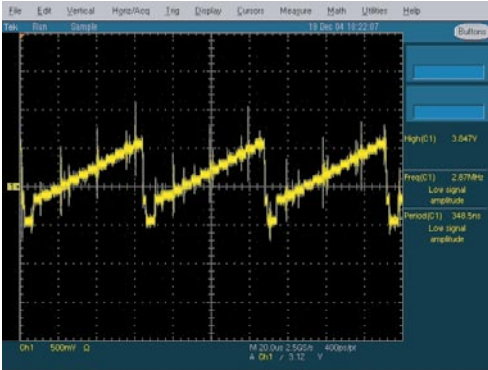
The bottom status bar shows the following information:

Ch1: 2.0V, Ch2: 2.0V, 1.75 V, 2.0ns, 1.75 V, 2.0ns

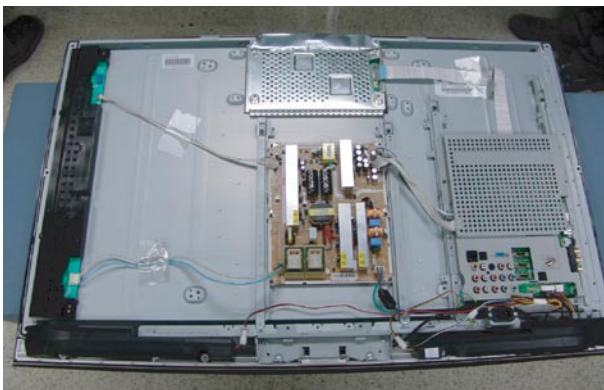
4-1-3. No Video (HDMI 1, 2, 3, 4 - Digital Signal)

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 MST336CCLK, Check the Bayhill+ This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.
Diagnostics	 <pre> graph TD A[Power Indicator is off. Lamp(Backlight) Off, no video] -- Yes --> B[Check the HDMI source and check the connection of HDMI cable?] B -- No --> C[Input an HDMI signal. Check the connected cable.] B -- Yes --> D[Does the signal appear at R440~R447(HDMI1) R448~R455(HDMI2) R456~R463(HDMI3) R553~R560(HDMI4)?] D -- No --> E[Check CN402, CN403, CN404, CN503, HDMI cable. Change the HDMI cable. Change the main PCB assembly] D -- Yes --> F[Does the digital data appear at output of RA1605~1610, R1607?] F -- No --> G[Check IC1301 Change the main PCB assembly] F -- Yes --> H[Does the digital data appear at output of R1308 ~R1321, R1323~R1336?] H -- No --> I[Check IC1001 Change the main PCB assembly] H -- Yes --> J[Check the LVDS cable? Replace the LCD panel?] J -- No --> K[Please, Contact Tech support] </pre> <p>Power Indicator is off. Lamp(Backlight) Off, no video</p> <p>Yes</p> <p>Check the HDMI source and check the connection of HDMI cable?</p> <p>No</p> <p>Input an HDMI signal. Check the connected cable.</p> <p>Yes</p> <p>Does the signal appear at R440~R447(HDMI1) R448~R455(HDMI2) R456~R463(HDMI3) R553~R560(HDMI4)?</p> <p>No</p> <p>Check CN402, CN403, CN404, CN503, HDMI cable. Change the HDMI cable. Change the main PCB assembly</p> <p>Yes</p> <p>Does the digital data appear at output of RA1605~1610, R1607?</p> <p>No</p> <p>Check IC1301 Change the main PCB assembly</p> <p>Yes</p> <p>Does the digital data appear at output of R1308 ~R1321, R1323~R1336?</p> <p>No</p> <p>Check IC1001 Change the main PCB assembly</p> <p>Yes</p> <p>Check the LVDS cable? Replace the LCD panel?</p> <p>No</p> <p>Please, Contact Tech support</p>
Caution	Make sure to disconnect the power before working on the IP board.

WAVEFORMS

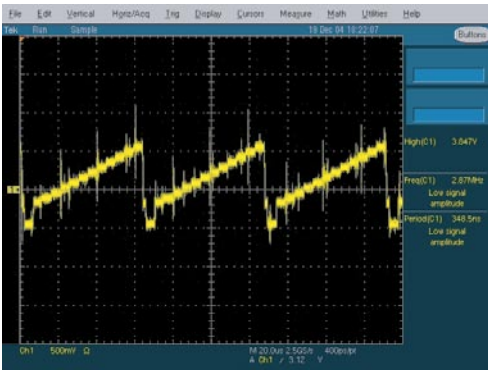
<div>3</div> <div>4</div>	HDMI Input (CLK + / -)
	
<div>5</div>	Tuner CVBS Out (Pattern: Grey Bar)
	

4-1-4. No Video (Tuner_CVBS)

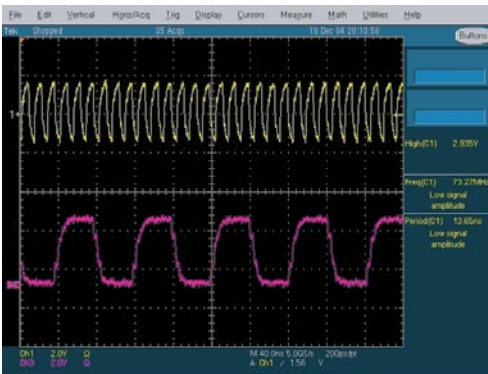
Symptom	<ul style="list-style-type: none"> Audio is normal but no picture is displayed on the screen.
Major checkpoints	<ul style="list-style-type: none"> Check the Tuner CVBS source Check the Bayhill+ This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.
Diagnostics	 <pre> graph TD A[Power Indicator is off. Lamp(Backlight) Off, no video] -- Yes --> B[Check the RF source and check the connection of RF cable?] B -- No --> C[Input the RF signal. Check the connected cable.] B -- Yes --> D[6 Does the signal appear at TU701?] D -- No --> E[Check TU701. Change the main PCB assembly or tuner.] D -- Yes --> F[5 Does the digital data appear at output of R1308 ~R1321, R1323~R1336?] F -- No --> G[Check IC1001 Change the main PCB assembly] F -- Yes --> H[Check the LVDS cable? Replace the LCD panel?] H -- No --> I[Please, Contact Tech support] </pre>
Caution	Make sure to disconnect the power before working on the IP board.

WAVEFORMS

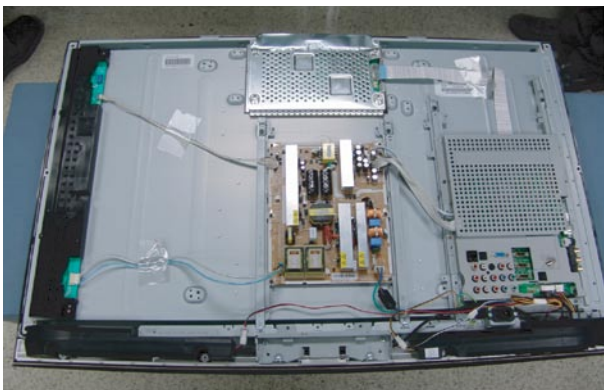
5 Tuner CVBS Out (Pattern: Grey Bar)



6 Eagle+ Out (Clk, H-Sync)

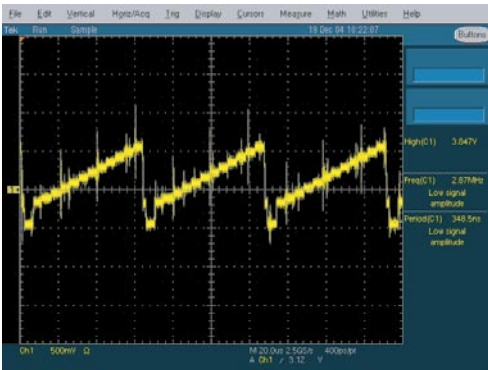


4-1-5. No Video (Tuner DTV)

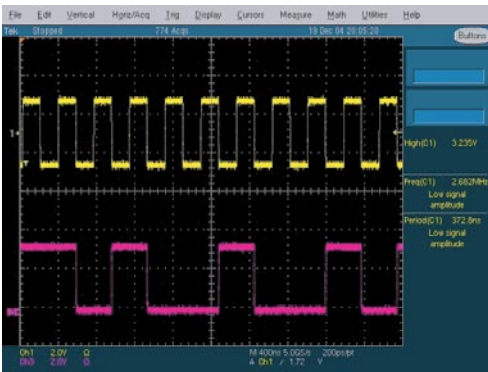
Symptom	<ul style="list-style-type: none"> Audio is normal but no picture is displayed on the screen.
Major checkpoints	<ul style="list-style-type: none"> Check the DTV source Check the Bayhill+ This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.
Diagnostics	 <pre> graph TD A[Power Indicator is off. Lamp(Backlight) Off, no video] -- Yes --> B[Check the RF source and check the connection of RF cable?] B -- No --> C[Input the RF signal. Check the connected cable.] B -- Yes --> D[7 Does the digital data appear at C705 (IF_out +) C727 (IF_out -)] D -- No --> E[Check TU701 Change the main PCB assembly or tuner.] D -- Yes --> F[5 Does the digital data appear at output of R1308 ~R1321, R1323~R1336?] F -- No --> G[Check IC1001 Change the main PCB assembly] F -- Yes --> H[Check the LVDS cable? Replace the LCD panel?] H -- No --> I[Please, Contact Tech support] </pre>
Caution	Make sure to disconnect the power before working on the IP board.

WAVEFORMS

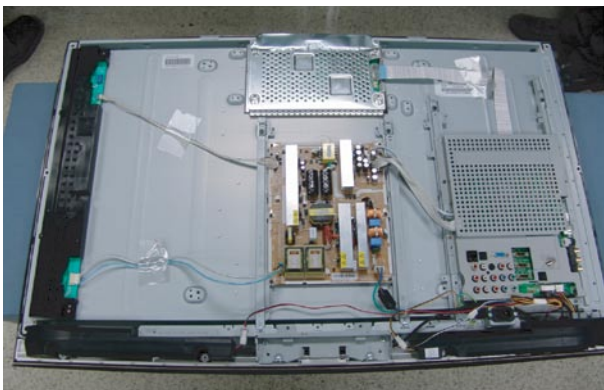
5 Tuner CVBS Out (Pattern: Grey Bar)



7 TS DATA Out (Clk, Data [0])

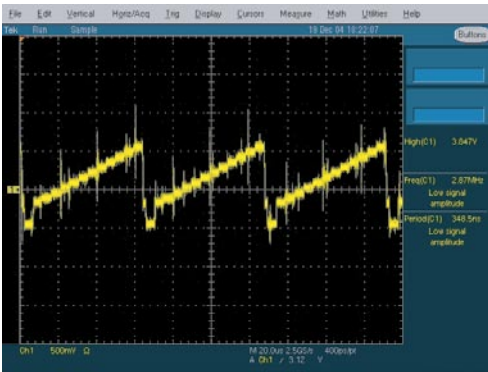


4-1-6. No Video (Video CVBS 1, 2)

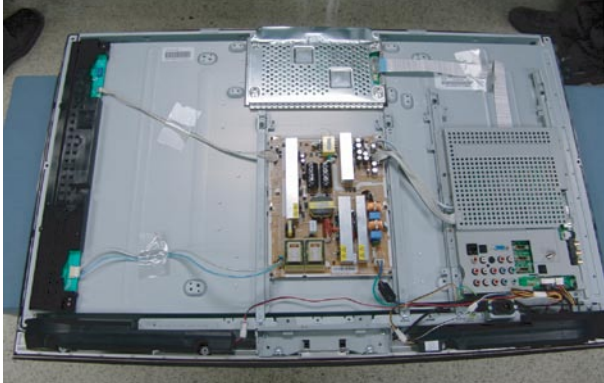
Symptom	<ul style="list-style-type: none"> Audio is normal but no picture is displayed on the screen.
Major checkpoints	<ul style="list-style-type: none"> Check the Video CVBS source Check the Bayhill+ This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.
Diagnostics	 <pre> graph TD A[Power Indicator is off. Lamp(Backlight) Off, no video] -- Yes --> B[Check the video source and check the connection of video cable?] B -- No --> C[Input a video signal. Check the connected cable.] B -- Yes --> D[5 Does the signal appear at R253 (CVBS1) R323B (CVBS2 for 32" 40" 52") R515S (CVBS2 for 46")?] D -- No --> E[Check CN201 or Side-AV Change the main PCB ass'y or Side-AV Ass'y] D -- Yes --> F[5 Does the digital data appear at output of R1308 ~R1321, R1323~R1336?] F -- No --> G[Check IC1001 Change the main PCB assembly] F -- Yes --> H[Check the LVDS cable? Replace the LCD panel?] H -- No --> I[Please, Contact Tech support] </pre>
Caution	Make sure to disconnect the power before working on the IP board.

WAVEFORMS

5 Tuner CVBS Out (Pattern: Grey Bar)

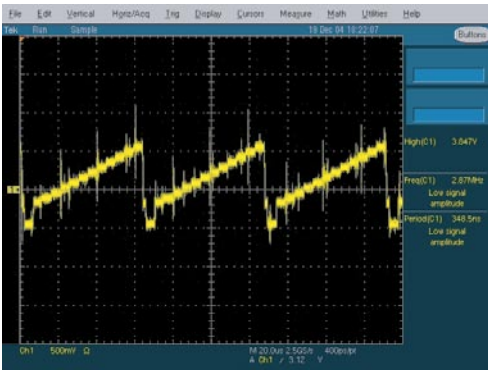


4-1-7. No Video (S-Video)

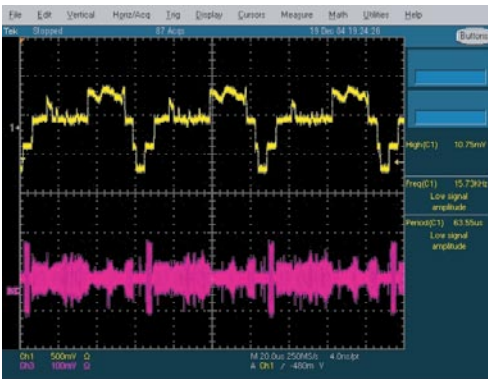
Symptom	<ul style="list-style-type: none"> Audio is normal but no picture is displayed on the screen.
Major checkpoints	<ul style="list-style-type: none"> Check the S-Video source Check the Bayhill+ This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.
Diagnostics	 <pre> graph TD A[Power Indicator is off. Lamp(Backlight) Off, no video] -- Yes --> B[Check the video source and check the connection of video cable?] B -- No --> C[Input a video signal. Check the connected cable.] B -- Yes --> D[8 Does the signal appear at R321B, R322B (for 32" 40" 52") R517S, R518S (for 46")?] D -- No --> E[Check CN303B or Side-AV Change the main PCB ass'y or Side-AV assembly] D -- Yes --> F[5 Does the digital data appear at output of R1308 ~R1321, R1323~R1336?] F -- No --> G[Check IC1001 Change the main PCB assembly] F -- Yes --> H[Check the LVDS cable? Replace the LCD panel?] H -- No --> I[Please, Contact Tech support] </pre>
Caution	Make sure to disconnect the power before working on the IP board.

WAVEFORMS

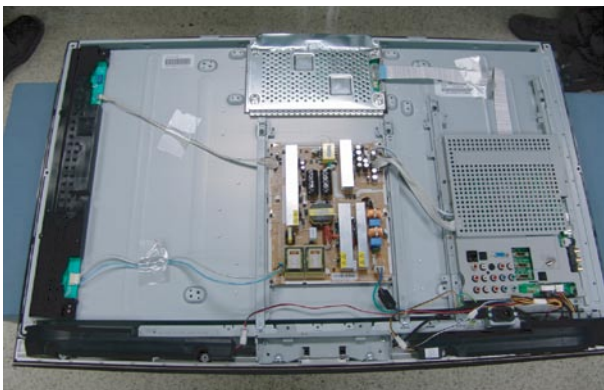
5 Tuner CVBS Out (Pattern: Grey Bar)



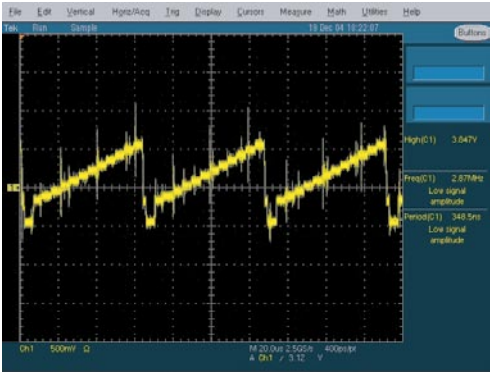
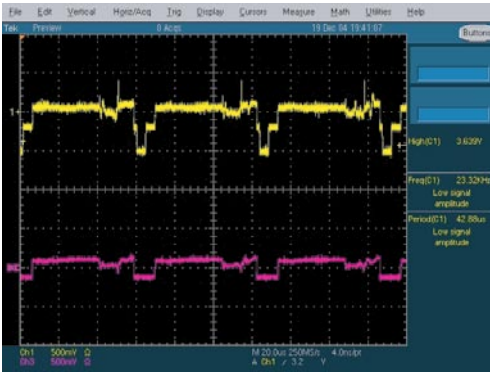
6 S-VIDEO Input (Y/C)



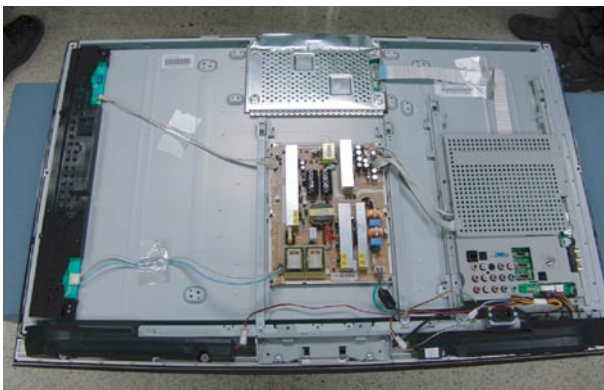
4-1-8. No Video (Component 1, 2)

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 MST336CCLK, Check the Bayhill+ This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.
Diagnostics	 <pre> graph TD A[Power Indicator is off. Lamp(Backlight) Off, no video] -- Yes --> B[Check component source and check the connection of component cable ?] B -- No --> C[Input a component signal. Check the connected cable.] B -- Yes --> D[9 Does the signal appear at R248, R249, R250 (Comp1) R208, R209, R210 (Comp2) (Y, Pb, Pr)?] D -- No --> E[Check CN201 Change the main PCB ass'y] D -- Yes --> F[Does the digital data appear at RA605, RA606, RA646, RA647(Rout) RA603, RA604, RA633, RA634(Gout) RA601, RA602, RA631, RA632(Bout)?] F -- No --> G[Check IC601 Change the main PCB assembly] F -- Yes --> H[5 Does the digital data appear at output of R1308 ~R1321, R1323~R1336?] H -- No --> I[Check IC1001 Change the main PCB assembly] H -- Yes --> J[Check the LVDS cable? Replace the LCD panel?] J -- No --> K[Please, Contact Tech support] </pre>
Caution	Make sure to disconnect the power before working on the IP board.

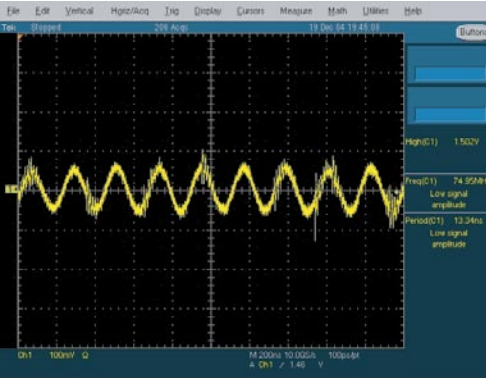

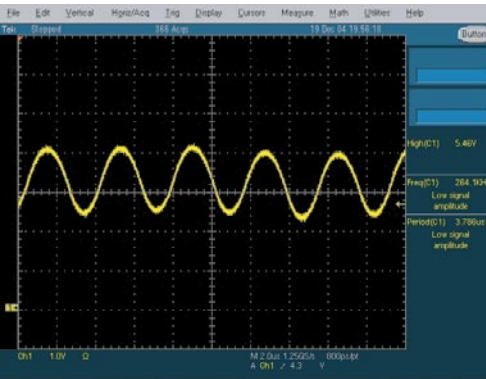
WAVEFORMS

5	Tuner CVBS Out (Pattern: Grey Bar)
	
9	Component Input (Y/Pb)
	

4-1-9. No Sound

Symptom	<ul style="list-style-type: none"> 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 Start[Lamp(Backlight) Off, no sound.] -- Yes --> Q1{Check the sound source and check the connection of sound cable?} Q1 -- No --> A1[Input a sound signal. Check the connected cable.] Q1 -- Yes --> Q2{Does the signal appear at C1565, C1566 (S-Video R/L), C1567, C1568 (Comp1 R/L), C1569, C1570 (Comp2 R/L), C1571, C1572 (DVI R/L), C1573, C1574 (PC R/L)?} Q2 -- No --> A2[Check CN201 or Side-AV. Change the main PCB ass'y or side-AV assembly] Q2 -- Yes --> Q3{Does the digital data appear at R1547, R1548, R1549, R1550 (Mclk, Sclk, LRclk, data)?} Q3 -- No --> A3[Check IC1502 Change the main PCB assembly] Q3 -- Yes --> Q4{Does the signal appear at L1501, L1502 (L/R output)?} Q4 -- No --> A4[Check IC1501 Change the main PCB assembly] Q4 -- Yes --> Q5{Check the LVDS cable? Replace the speaker?} Q5 -- No --> A5[Please, Contact Tech support] </pre> <p>10 Does the signal appear at C1565, C1566 (S-Video R/L), C1567, C1568 (Comp1 R/L), C1569, C1570 (Comp2 R/L), C1571, C1572 (DVI R/L), C1573, C1574 (PC R/L)?</p> <p>11 Does the digital data appear at R1547, R1548, R1549, R1550 (Mclk, Sclk, LRclk, data)?</p> <p>12 Does the signal appear at L1501, L1502 (L/R output)?</p>
Caution	Make sure to disconnect the power before working on the IP board.

WAVEFORMS

10	Audio Input (Sign Wave)
	
11	I2S Input (Clk, Data)
	
12	Audio Amp Out (Sign Wave)
	

4-2. Alignments and Adjustments

4-2-1. General Alignment Instruction

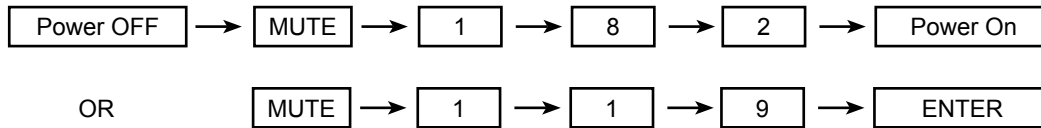
1. Usually, a color LCD-TV needs only slight touch-up adjustment upon installation.
Check the basic characteristics such as height, horizontal and vertical sync.
2. Use the specified test equipment or its equivalent.
3. Correct impedance matching is essential.
4. Avoid overload. Excessive signal from 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

OptionByte	Expert D-Settings	T-AMBAUSC-0040
ADC	Expert Gray Scale	T-AMBAUSM-0005
ADC Target	Expert C-Space	RFS : T-AMBAUS-20071130
ADC Result	Expert Others	2007-12-19
WB	SOUND	PANEL : 40AML_529A
WB_Movie	FRCM_Option	LN40A650
EPA Standard	Hotel Option	EDID FAIL
BHP_VDEC	EDID	0100 0010 011c 0000 c00c
MST336C	CHECKSUM 0x0000	0000 0
BHP_DP	DEFECT LOG	CALIB : AV O COMP O PC O HDMI O
Sharpness	Font Data Viewer	DTP-LM-0072
FBE3		Date of purchase : 00/00/0000
Dynamic Contrast		
LNA+		
Expert Settings		

- "T-AMBAUSC-0040" and "T-AMBAUSM-0005" are firmware....

6. Buttons operations withn 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 Factory Data

OptionByte	Factory Reset		Shop Mode[After F/R]	OFF
	Panel Option	40AML_529A	PC Mode Ident	Auto
	Model	A650	7.5IRE	OFF
	Watchdog Enable	OFF	7.5IRE Offset	60
	SSC ON/OFF	ON	HDMI Mode Ident	Auto
	SSC MRR	1	HDMI Hot Plug	Disable
	SSC MFR	4	HDMI Delay Time	1200
	SSC QLC	3	S-Video Jack ident	32/37/40/52
	PWM Dimming	EXT_PWM	SUB MICOM DOWN	OFF
	RS-232 Jack	Debug	FRCM Option	OFF
	Gamma	OFF	VISUAL TEST	Disable
	Lvds Tx Fmt	JEIDA	WB Reset	OFF
	Lvds Tx Bit	10Bit	EEPROM Reset	
	Panel Display Time	29Hr	Expert Adj.	OFF
	Mute Time[RF]	0		

ADC	AV Calibration	Success
	Comp Calibration	Success
	PC Calibration	Success
	HDMI Calibration	Success

ADC Target	1st_AV_Low	16	2nd_PC_Low	1
	1st_AV_High	220	2nd_PC_High	235
	1st_AV_Delta	1	2nd_PC_Delta	1
	1st_COMP_Low	16	2nd_HDMI_Low	1
	1st_COMP_High	235	2nd_HDMI_High	235
	1st_COMP_Delta	1	2nd_HDMI_Delta	1
	1st_PC_Low	1		
	1st_PC_High	235		
	1st_PC_Delta	1		
	2nd_AV_Low	1		
	2nd_AV_High	235		
	2nd_AV_Delta	1		
	2nd_COMP_Low	1		
	2nd_COMP_High	235		
	2nd_COMP_Delta	1		

ADC Result	1st_AV_Gain	...	2nd_B_Gain	...
	1st_AV_Offset	...		
	1st_Comp_Gain	...		
	1st_Comp_Offset	...		
	1st_PC_R_Gain	...		
	1st_PC_G_Gain	...		
	1st_PC_B_Gain	...		
	1st_PC_R_Offset	...		
	1st_PC_G_Offset	...		
	1st_PC_B_Offset	...		
	2nd_R_Offset	...		
	2nd_G_Offset	...		
	2nd_B_Offset	...		
	2nd_R_Gain	...		
	2nd_G_Gain	...		

WB	Sub Brightness	128
	R_Offset	512
	G_Offset	512
	B_Offset	512
	Sub Contrast	128
	R_Gain	512
	G_Gain	512
	B_Gain	512
	Movie R_Offset	510
	Movie B_Offset	515
	Movie R_Gain	559
	Movie B_Gain	402

WB_Movie	W/B MOVIE ON/OFF	OFF	NOR_Roffset
	MODE		NOR_Boffset
	Color Tone		C2_Rgain
	MSub Brightness		C2_Bgain
	MSub Contrast		C2_Roffset
	W1_Rgain		C2_Boffset
	W1_Bgain		Movie Backlight
	W1_Roffset		Movie Contrast
	W1_Boffset		Movie Bright
	W2_Rgain		Movie Color
	W2_Bgain		Movie Sharpness
	W2_Roffset		Movie Tint
	W2_Boffset		Movie Gamma
	NOR_Rgain		
	NOR_Bgain		

EPA Standard	Standard Contrast	95
	Standard Bright	45
	Standard Sharpness	50
	Standard Color	50
	Standard Tint	0
	Standard Backlight	7

BHP_VDEC	agc_mode	1	U_Delay_daj	0	3d_comb_luma_sns	8
	Y_Gain_Man	880	ST_Beg_NTSC	0	cmd_gain_mts_ntsc	0
	saturation	128	vs_slice_level	3		
	hue	0	hs_slice_level	6		
	Y_shape_sel	13	synctip_noise	508		
	C_shape_sel	4	bl_auto_speed_control	0		
	lf_iir	0	bl_force_slow	0		
	if_filt_sel	0	bl_force_fast	0		
	LTI_en	0	3D_DNR_en	1		
	LTI_filt_sel	0	3D_DNR_Gain	11		
	LTI_level	15	allow_3d_filt_sel	0		
	CTI_en	0	3d_comb_noise_sns	0		
	CTI_filt_set	1	3d_comb_chroma_com	8		
	CTI_level	15	3d_comb_chroma_sns	8		
	V_Delay_adj	0	3d_comb_luma_core	8		

MST336C	RED CUTOFF	D_R_offset
	GREEN CUTOFF	D_G_offset
	BLUE CUTOFF	D_B_offset
	PHASE	D_CALDLYC
	RED GAIN	D_SMPDLY
	GREEN GAIN	D_SMPDURCV
	BLUE GAIN	CAL_CTRL0
	SOGMID_GTRL	
	SEP_THR	
	PRE CST	
	ADC_BWR	
	ADC_BWG	
	ADC_BWB	
	SOG_BW	

4. Troubleshooting

BHP_DP	Deblock_ON	OFF
	MixTH1	110
	MixTH2	55
	NARS_ON	ON
	SD_CSC	
	HD_CSC	7438
	M_SD_CSC	
	M_HD_CSC	

Sharpness	sharp75	75	CDataCoring	2
	Pre_GainH1	0	Sub Color	60
	Pre_GainH2	2		
	Pre_GainV1	1		
	Pre_GainV2	7		
	Post_GainH1	6		
	Post_GainH2	7		
	Post_GainH3	7		
	Post_GainV1	3		
	Post_GainV2	10		
	CTI_Gain	15		
	Pre_LTIH	2		
	Pre_LTIV	2		
	Post_LTIH	2		
	Post_LTIV	2		

FBE3	Pattern_sel	0	M-Skin-UV	128
	B_Slope gain	60	M-Sub Color	128
	B_Tilt min	30		
	B_Tilt max	110		
	Lfunc_basis	75		
	Hfunc_basis	80		
	Mean-Offset1	30		
	Mean-Offset2	235		
	Mean-Slope	112		
	ACR-Offset	20		
	ACR-th1	20		
	ACR-th2	110		
	Skin-Enable	ON		
	Skin-UV	128		
	Sub color	128		

Dynamic Contrast	Dynamic Contrast	OFF
	Dynamic Dimming	OFF

LNA+	Off_NR_Gain	0
	dB0_NR_Gain	4
	dB1_NR_Gain	6
	dB2_NR_Gain	8
	dB3_NR_Gain	10
	Off	LUT0
	Low	LUT1
	Medium	LUT5
	High	LUT7
	Auto	LUT2
	Still_Check	0

Expert Settings	Calibration	ON
	P-Mode	Movie
	Color Tone	WARM2
	Backlight	5
	Contrast	80
	Brightness	45
	Color	50
	Tint	50
	Sharpness	20

Expert D-Settings	Black adjust	OFF
	Dynamic Contrast	OFF
	Gamma	3
	Flesh tone	15
	Edge Enhance	OFF
	xvYCC	OFF

4. Troubleshooting

Expert Gray Scale	R-Offset	25
	G-Offset	25
	B-Offset	25
	R-GAIN	25
	G-GAIN	25
	B-GAIN	25

Expert C-Space	Color Space	Custom	Custom_M_blue	50
	Custom_R_red	50	Custom_Y_red	50
	Custom_R_green	0	Custom_Y_green	50
	Custom_R_blue	0	Custom_Y_blue	0
	Custom_G_red	0		
	Custom_G_green	50		
	Custom_G_blue	0		
	Custom_B_red	0		
	Custom_B_green	0		
	Custom_B_blue	50		
	Custom_C_red	0		
	Custom_C_green	50		
	Custom_C_blue	50		
	Custom_M_red	50		
	Custom_M_green	0		

Expert Others	Size	Just scan
	H-Position	10
	V-Position	10
	NR	Auto
	HDMI Black Level	Low
	Film Mode	OFF
	Auto Motion Plus	OFF
	LED Smart Lighting	ON

SOUND	Delay_ATV	60
	Delay_DTV	60
	Spdif_Delay	OFF
	AMP Volume	41
	Limiter_Attack	9
	Limiter_Release	15
	Post_Scale	127
	Carrier Mute	ON
	Hi-Deviation	OFF
	Speaker_EQ	ON

FRCM_Option	SSC_OnOff	1	Film_Medi_SD_22	10
	SSC_Width[%]	20	Film_Medi_SD_32	10
	SSC_Freq[KHz]	60	Film_Medi_HD_22	10
	PATT_BeforeDDR	0	Film_Medi_HD_32	10
	PATT_AfterDDR	0	Film_High_SD_22	5
	FMD_Demo	0	Film_High_SD_32	5
	Video_Judder_Off	32	Film_High_HD_22	5
	Video_Judder_Low	23	Film_High_HD_32	5
	Video_Judder_Med	16	DDRHangupDetect	1
	Video_Judder_High	0		
	Film_Off_Judder	32		
	Film_Low_SD_22	13		
	Film_Low_SD_32	13		
	Film_Low_HD_22	13		
	Film_Low_HD_32	13		

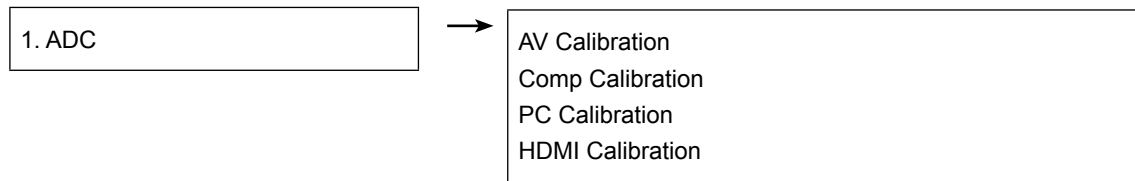
Hotel Option	Hotel Mode	OFF
	Power On Channel	3
	Power On Band	Air
	Power On Volume	10
	Max Volume	100
	Panel Button Lock	off
	Power On Source	TV

EDID	EDID ON/OFF	ON
	EDID ALL	Success
	EDID W PC	Success
	EDID W HDMI1	Success
	EDID W HDMI2	Success
	EDID W HDMI3	Success
	EDID W HDMI4	Success
	EMDID VERSION	HDMI1.3

DEFECT LOG	Select Log Type	DEFECT
	VIEW LOG	

4-4. White Balance - Calibration

4-4-1 White Balance -Calibration

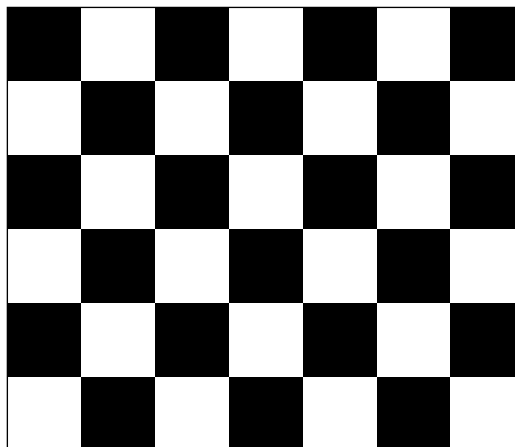


4-4-2 Service Adjustment - You must perform Calibration in the Lattice Pattern before adjusting the White Balance.

■ Color Calibration

Adjust spec.

1. Source : HDMI
2. Setting Mode : 1280*720@60Hz
3. Pattern : Pattern #24 (Chess Pattern)



(Chess Pattern)

4. Use Equipment : CA210 & Master MSPG925 Generator

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

Input mode	Calibration	Pattern
CVBS IN (Model_#1)	Perform in NTSC B&W Pattern #24	Lattice
Component IN (Model_#6)	Perform in 720p B&W Pattern #24	Lattice
PC Analog IN (Model_#21)	Perform in VESA XGA (1024x768) B&W Pattern #24	Lattice
HDMI IN	Perform in 720p B&W Pattern #24	Lattice

<Table 1>

■ Method of Color Calibration (AV)

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

■ Method of Color Calibration (Component)

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

■ Method of Color Calibration (PC)

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

■ Method of Color Calibration (HDMI)

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

4-4-3 White Balance - Adjustment

	(low light)	(hight light)
5. W/B	Sub Bright R offset G offset B offset	Sub Contrast R gain G gain B gain

(W/B adjustment Condition refer next page)

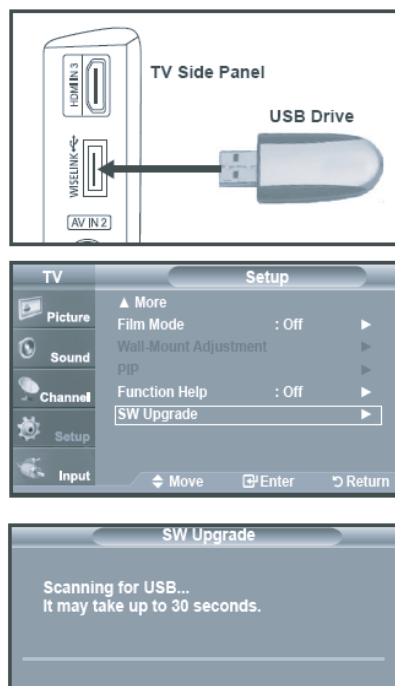
4-5. Servicing Information

4-5-1 USB Download Method

Samsung may offer upgrades for TV's firmware in the future. Please contact the Samsung call center at 1-800-SAMSUNG (726-7864) to receive information about downloading upgrades and using a USB drive. Upgrades will be possible by connecting a USB drive to the USB port located on your TV.

1. Insert a USB drive containing the firmware upgrade into the WISELINK port on the side of the TV.
2. Press the **MENU** button to display the menu.
Press the **▲** or **▼** button to select "Setup", then press the **ENTER** button.
3. Press the **▲** or **▼** button to select "SW Upgrade", then press the **ENTER** button.
4. Press the **ENTER** button.
The message "Scanning for USB... It may take up to 30 seconds." is displayed.
5. The message "Upgrade version XXXX to version XXXX?" is displayed.
The system will be reset after upgrade."
Press the **◀** or **▶** to select the "OK", then press the **ENTER** button.

Please be careful to not disconnect the power or remove the USB drive while upgrades are being applied. The TV will turn off and turn on automatically after completing the firmware upgrade. Please check the firmware version after the upgrades are complete. When software is upgraded, video and audio settings you have made will return to their default (factory) settings. We recommend you write down your settings so that you can easily reset them after the upgrade.

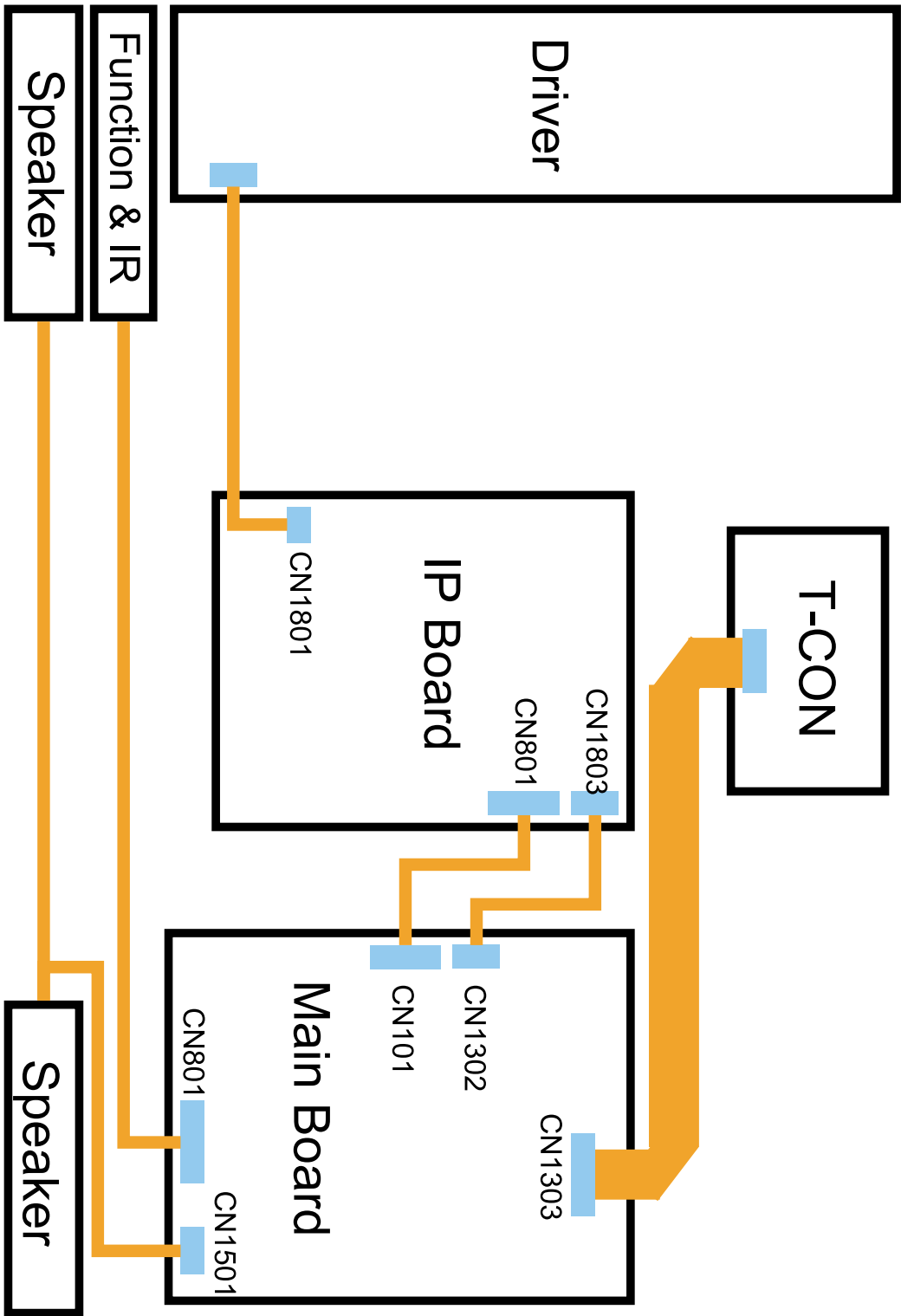


*How to check Program Version

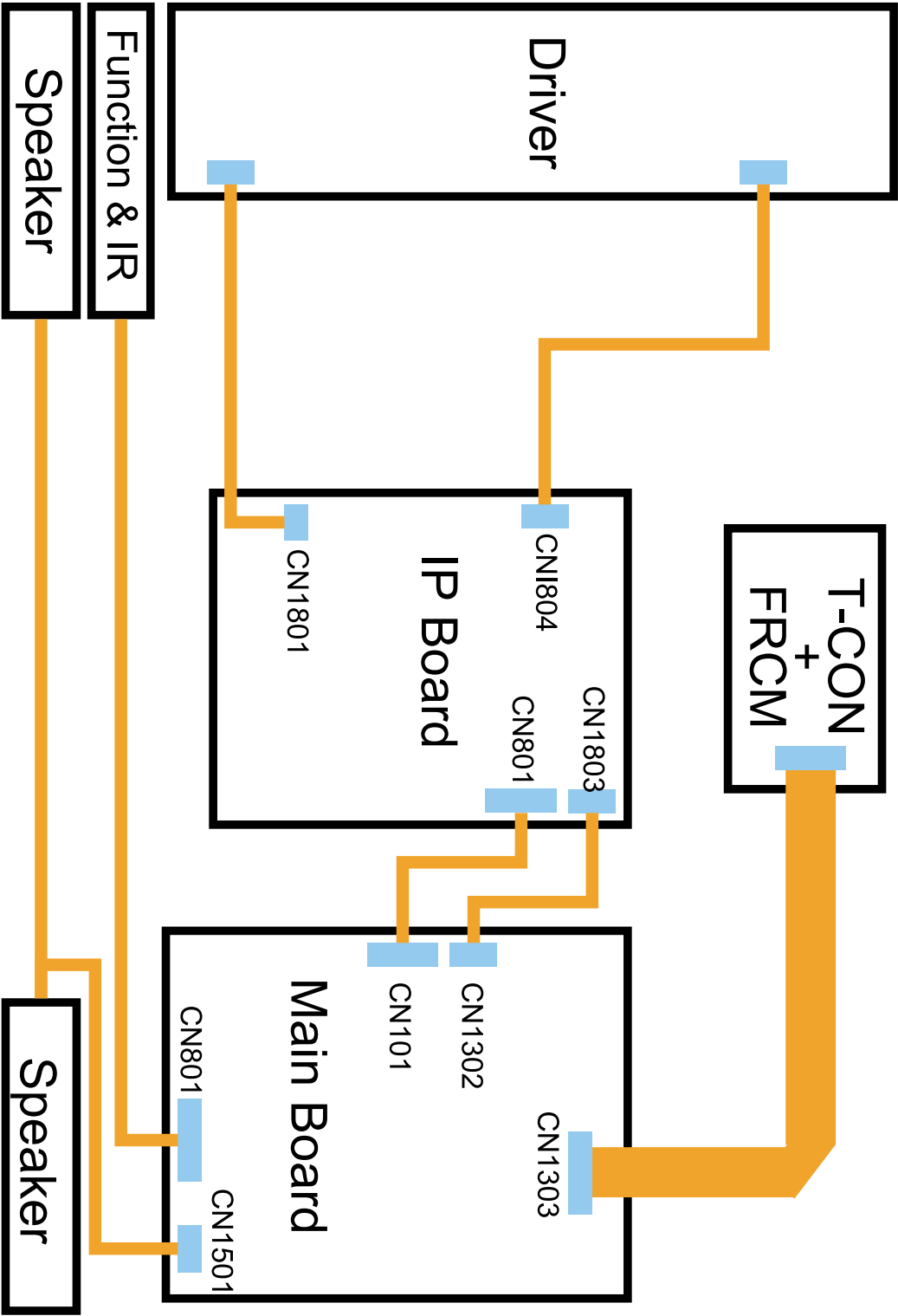
1. Press "MENU"
2. Select "SETUP"
3. Cursor position "SW Upgrade"
4. Press "INFO"

6. Wiring Diagram

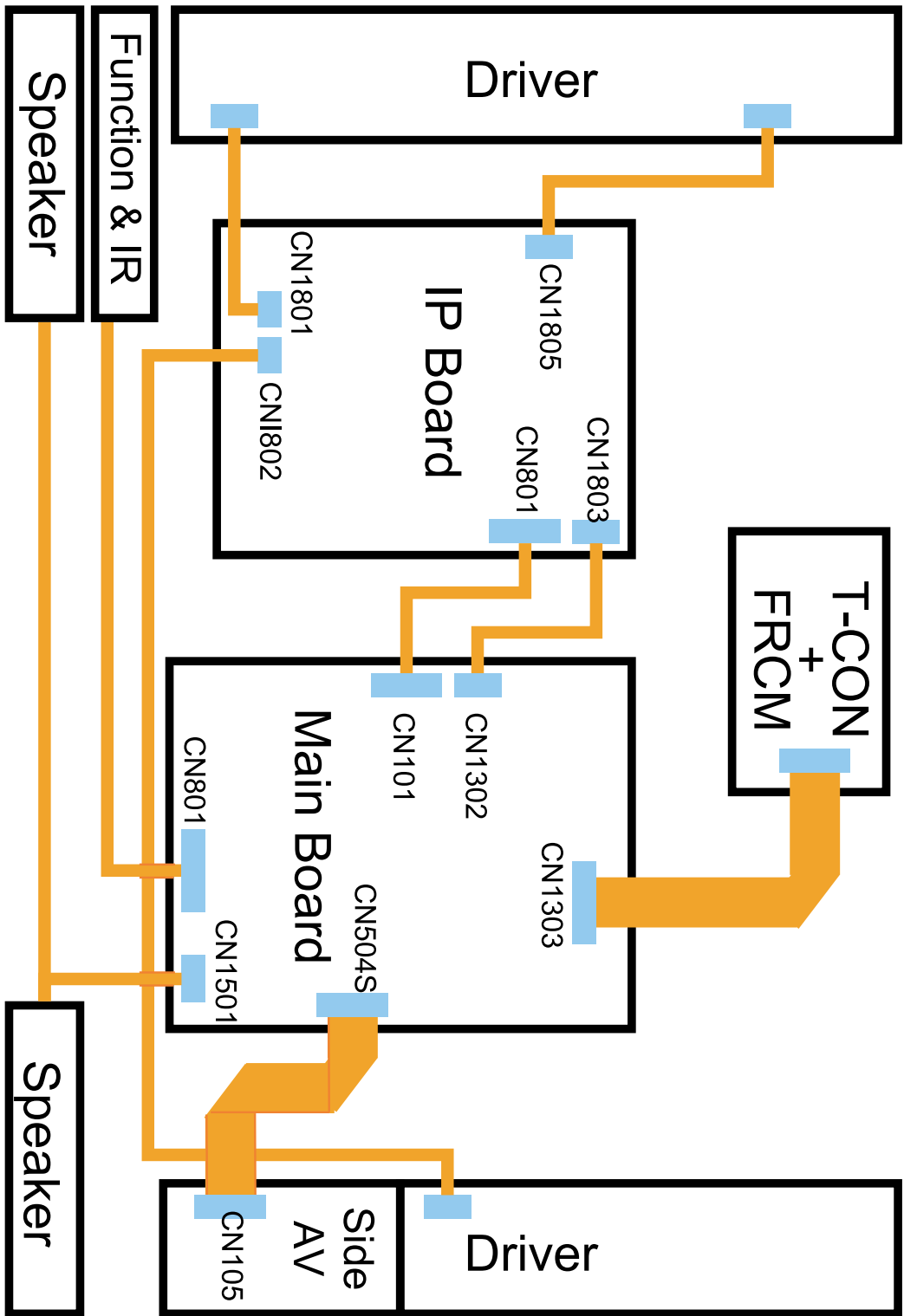
6-1. Wiring Diagram 32”



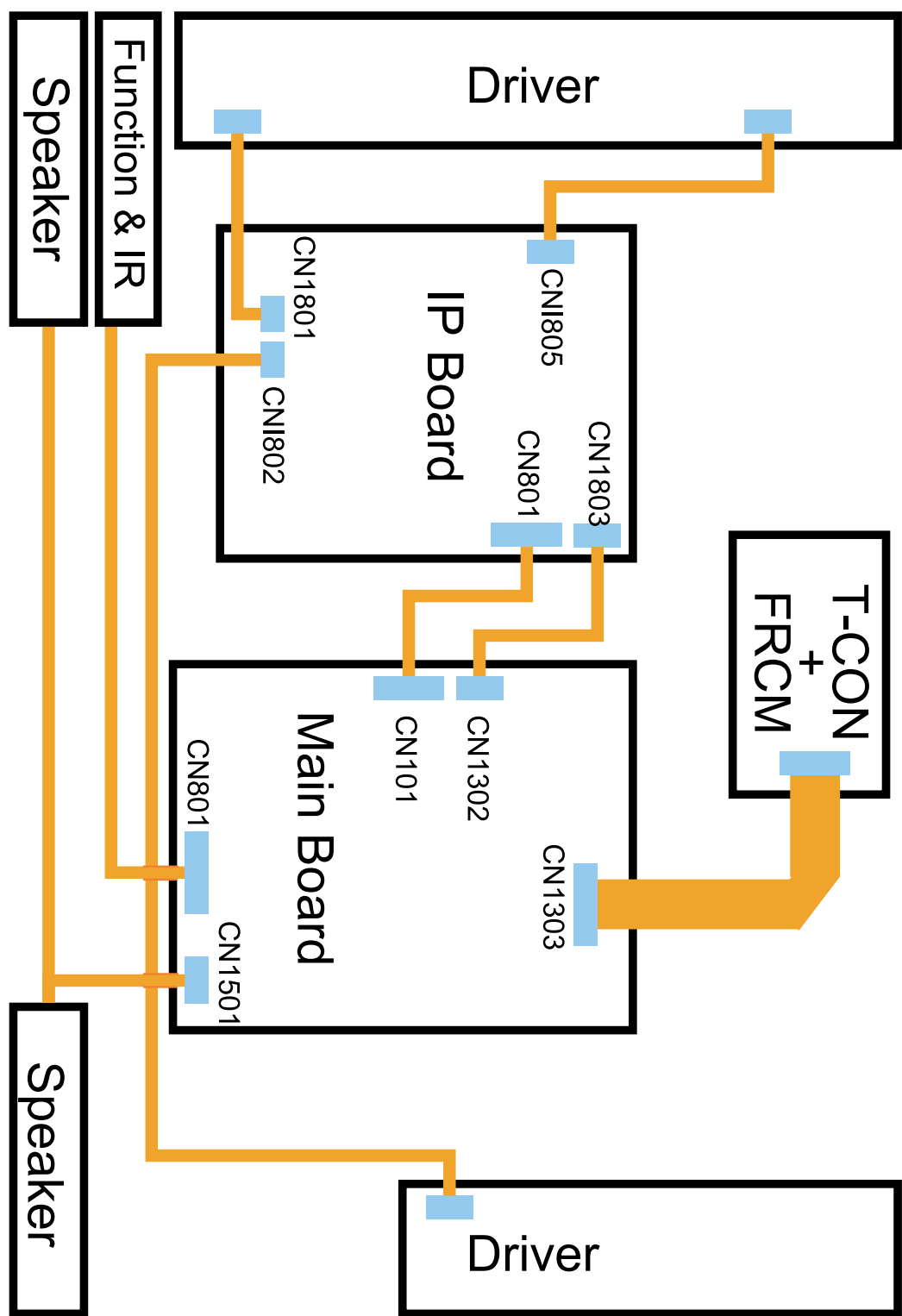
6-2. Wiring Diagram 40”



6-3. Wiring Diagram 46”



6-4. Wiring Diagram 52”



CN1301(to Panel)

1	12V	22	LCD ODD TX5+
2	12V	23	LCD EVEN TX0-
3	12V	24	LCD EVEN TX0+
4	12V	25	LCD EVEN TX1-
5	GND	26	LCD EVEN TX1+
6	GND	27	LCD EVEN TX2-
7	GND	28	LCD EVEN TX2+
8	GND	29	LCD EVEN TXCLK-
9	LCD ODD TX0-	30	LCD EVEN TXCLK+
10	LCD ODD TX0+	31	LCD EVEN TX3-
11	LCD ODD TX1-	32	LCD EVEN TX3+
12	LCD ODD TX1+	33	LCD EVEN TX4-
13	LCD ODD TX2-	34	LCD EVEN TX4+
14	LCD ODD TX2+	35	LCD EVEN TX5-
15	LCD ODD TXCLK-	36	LCD EVEN TX5+
16	LCD ODD TXCLK+	37	SCL FRC BAY
17	LCD ODD TX3-	38	SDA FRC BAY
18	LCD ODD TX3+	39	HSYNC BAY
19	LCD ODD TX4-	40	3.3V
20	LCD ODD TX4+	41	SW PVCC
21	LCD ODD TX5-		

CN1302(to Power board)

1	SW INVERTER
2	ANA DIMMING
3	PWM DIMMING
4	GND
5	-

CN101(to Power board)

1	HSYNC INVERTER	13	B5V
2	SW POWER	14	B5V
3	GND	15	B5V
4	A5V	16	B5V
5	GND	17	GND
6	GND	18	GND
7	B13VS	19	GND
8	B13VS	20	B13V
9	GND	21	B13V
10	GND	22	B13V
11	GND	23	-
12	GND	24	-

CN801(to Function/IR)

1	IR	6	KEY1
2	GND	7	KEY2
3	A3.3V	8	NC
4	MSCL A5V	9	MSDA A5V
5	BUZZER	10	LED CTRL

CN504S(to Side AV)

1	B3.3V	22	HDMI4 HPD
2	SID 1.8V	23	HDMI4 5V
3	USB VCC	24	HDMI HPD SIDE
4	HP OUT L	25	HDMI4 DDC SDA
5	HP OUT R	26	HDMI4 DDC SCL
6	HP IDENT	27	GND
7	VIDEO2 SL IN	28	HDMI CEC
8	VIDEO2 SR IN	29	GND
9	GND	30	HDMI4 RXCLK
10	VIDEO2 CVBS BAY	31	HDMI4 RXCLK+
11	VIDEO2 IDENT	32	GND
12	GND	33	HDMI4 RX0-
13	SVHS2 C BAY	34	HDMI4 RX0+
14	GND	35	GND
15	SVHS2 Y BAY	36	HDMI4 RX1-
16	SVHS2 IDENT	37	HDMI4 RX1+
17	GND	38	GND
18	USB 2.0	39	HDMI4 RX2-
19	USB 2.0	40	HDMI4 RX2+
20	GND	41	GND
21	DDC WP		

CN201(Universal jack)

1	COMP1 SR IN	15	MONITOR R OUT
2	GND	16	COMP2 SR IN
3	COMP2 SL IN	17	MONITOR L OUT
4	COMP1 SL IN	18	DVI SR IN
5	COMP1 SR IN	19	GND
6	COMP2 PR	20	COMP2 IDENT
7	COMP1 PR	21	DVI SL IN
8	COMP2 PB	22	DVI SR IN
9	COMP1 PB	23	-
10	COMP1 IDENT	24	-
11	COMP2 Y	25	GND
12	COMP1 Y	26	-
13	VIDEO1 IDENT	27	-
14	COMP2 SR IN		

CN402(to HDMI1)

1	HDMI1 RX2+	12	HDMI1 RXCLK-
2	GND	13	HDMI CEC
3	HDMI1 RX2-	14	GND
4	HDMI1 RX1+	15	HDMI1 DDC SCL
5	GND	16	HDMI1 DDC SDA
6	HDMI1 RX1-	17	GND
7	HDMI1 RX0+	18	HDMI1 IDENT
8	GND	19	HDMI1 5V
9	HDMI1 RX0-	20	GND
10	HDMI1 RXCLK+	21	GND
11	GND		

CN403(to HDMI2)

1	HDMI2 RX2+	12	HDMI2 RXCLK-
2	GND	13	HDMI CEC
3	HDMI2 RX2-	14	GND
4	HDMI2 RX1+	15	HDMI2 DDC SCL
5	GND	16	HDMI2 DDC SDA
6	HDMI2 RX1-	17	GND
7	HDMI2 RX0+	18	HDMI2 IDENT
8	GND	19	HDMI2 5V
9	HDMI2 RX0-	20	GND
10	HDMI2 RXCLK+	21	GND
11	GND		

CN404(to HDMI3)

1	HDMI3 RX2+	12	HDMI3 RXCLK-
2	GND	13	HDMI CEC
3	HDMI3 RX2-	14	GND
4	HDMI3 RX1+	15	HDMI3 DDC SCL
5	GND	16	HDMI3 DDC SDA
6	HDMI3 RX1-	17	GND
7	HDMI3 RX0+	18	HDMI3 IDENT
8	GND	19	HDMI3 5V
9	HDMI3 RX0-		
10	HDMI3 RXCLK+		
11	GND		

CN401(to PC)

1	PC_RED	9	PC_5V
2	PC_GREEN	10	PC IDENT
3	PC_BLUE	11	GND
4	GND	12	EMU SDA
5	GND	13	PC H SYNC
6	GND	14	PC V SYNC
7	GND	15	EMU SCL
8	GND		

CN1303(to Panel)

1	NC	26	LCD EVEN TX0+
2	LCD EVEN TX5-	27	LCD EVEN TX0-
3	SW PVCC	28	GND
4	FRC RESET	29	LCD ODD TX4+
5	SDA FRC BAY	30	LCD ODD TX4-
6	SCL FRC BAY	31	LCD ODD TX3+
7	GND	32	LCD ODD TX3-
8	NC	33	GND
9	NC	34	LCD ODD TXCLK+
10	LCD ODD TX5+	35	LCD ODD TXCLK-
11	TP1346	36	GND
12	TP1345	37	LCD ODD TX2+
13	GND	38	LCD ODD TX2-
14	LCD EVEN TX4+	39	LCD ODD TX1+
15	LCD EVEN TX4-	40	LCD ODD TX1-
16	LCD EVEN TX3+	41	LCD ODD TX0+
17	LCD EVEN TX3-	42	LCD ODD TX0-
18	GND	43	GND
19	LCD EVEN TXCLK+	44	GND
20	LCD EVEN TXCLK-	45	GND
21	GND	46	GND
22	LCD EVEN TX2+	47	PANEL VCC
23	LCD EVEN TX2-	48	PANEL VCC
24	LCD EVEN TX1+	49	PANEL VCC
25	LCD EVEN TX1-	50	PANEL VCC
		51	PANEL VCC

CN502S(to HDMI4)

1	HDMI4 RX2+	12	HDMI4 RXCLK-
2	GND	13	HDMI CEC
3	HDMI4 RX2-	14	GND
4	HDMI4 RX1+	15	HDMI4 DDC SCL
5	GND	16	HDMI4 DDC SDA
6	HDMI4 RX1-	17	GND
7	HDMI4 RX0+	18	HDMI4 IDENT
8	GND	19	HDMI4 5V
9	HDMI4 RX0-		
10	HDMI4 RXCLK+		
11	GND		

CN405(to PC Sound)

1	GND
2	PC SR IN
3	PC SL IN
4	PC SL IN
5	PC SL IN
6	PC SR IN
7	PC SR IN

CN1501(to Speaker)

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

CN305(to Optical Jack)

1	VIN
2	VCC
3	GND

CN501B(to USB)

1	USB VCC
2	USB 2.0
3	USB 2.0
4	GND

CN304B(to headphone)

1	GND
2	HP OUT L
3	HP OUT R
4	NC
5	HP IDENT
6	GND
7	NC
8	HP IDENT
9	GND
10	NC
11	NC

CN302B(to video1)

1	GND
2	VIDEO2 SL IN
3	VIDEO2 SR IN
4	GND
5	VIDEO2 SR IN
6	VIDEO2 SL IN
7	GND
8	VIDEO2 IDENT
9	VIDEO2 CVBS BAY

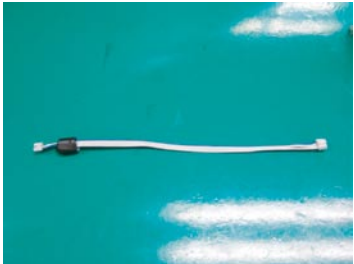

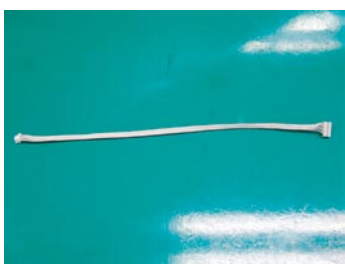

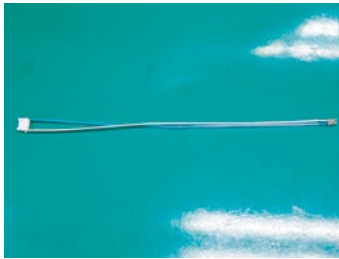
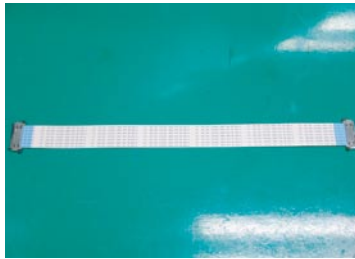
CN303B(to S-Video)

1	GND
2	GND
3	GND
4	SVHS2 Y BAY
5	SVHS2 C BAY
6	SVHS2 IDENT
7	GND

6-5. Connector Functions

Connector	Functions
CN1303 <-> CN505(TCON)	The LVDS signal transfered from Main Board to Panel .
CN101 <-> CN801	Supply main power from IP board to Main Board.
CN1302 <-> CN1803	Supply dimming power from IP board to Main Board.
CN1806 <-> CN125	Supply power and signal from IP board to Panel Driver.
CN1805 <-> CN104	The signal transfered from Main Board to Side-AV.
CN1801 <-> CN101	Supply power from IP board to Driver Board(left).

6-6. Cables

Use	Main IP (5P)	Main IP (24P)	IP - BalanceBD (7P)
Code	32" BN39-00362G (5P 200 mm) 40" BN39-00674A (5P 200mm) 46" BN39-00674A (5P 200mm) 52" BN39-00362D (5P 500mm)	32" BN39-00802A (24P 100 mm) 40" BN39-00802F (24P 200mm) 46" BN39-00802G (24P 250mm) 52" BN39-00802P (24P 450mm)	40" BN39-00830C (7P 400mm) 46" BN39-00830A (7P 300mm) 52" BN39-00851A (7P 350mm)
Photo			
Use	IP - BalanceBD(R) (2P)	IP - BalanceBD(L) (2P)	Main - TCON
Code	40" BN39-01024A (2P 350mm) 46" BN39-01024A (2P 350mm) 52" BN39-01021A (2P 400mm)	46" 52" BN39-01019A (2P 800mm)	32" not Confirm 40" BN96-07161G (500mm) 46" BN96-07161M (400mm) 52" BN96-07161P (800mm)
Photo			
Use	Side Cable (3P)(46" only)	FFC Cable (46" only)	IP - BalanceBD (14P)
Code	46" BN39-00948E (3P 350mm)	46" BN96-06678A (350mm)	32" BN39-00849C (300mm)
Photo	