



Part List Electrical/, Electrical

Applicable for F305

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1 Part list Main Board

Contains only components that are possible to replace on the main board.

Pos. number refers to the components position number on the board.

Some components are noted as MSL X. These components are moisture-sensitive and are rated at various levels (MSL):

Level 1: Unlimited floor life; does not require dry pack or re-baking.

Level 2: 1 year floor life; ≤ 30 C; 60%rh; shipped in dry pack; must be re-baked after being opened if floor life is exceeded.

Level 2A: 4 week floor life; ≤ 30 C; 60%rh; shipped in dry pack; must be re-baked after being opened if floor life is exceeded.

Level 3: 168 hours floor life; ≤ 30 C; 60%rh; shipped in dry pack; must be re-baked after being opened if floor life is exceeded.

Level 4: 72 hours floor life; ≤ 30 C; 60%rh; shipped in dry pack; must be re-baked after being opened if floor life is exceeded.

Level 5: 48 hours floor life; ≤ 30 C; 60%rh; shipped in dry pack; must be re-baked after being opened if floor life is exceeded.

Level 5A: 24 hours floor life; ≤ 30 C; 60%rh; shipped in dry pack; must be re-baked after being opened if floor life is exceeded.

Level 6: 6 hours floor life; ≤ 30 C; 60%rh; shipped in dry pack; must be re-baked after being opened if floor life is exceeded.

Component placing will be found in document 1220-4558

NOTE! RF Calibration by using SERP can only be done by authorized repair centers.
Fence modification according to Working Instruction Electrical.

P=Primary side, S=Secondary side.

Side	Pos.	Description	Part Number	Comments
S	B2300	MR Sensor	RYN901920/1	SL3
P	X1200,X1201	Antenna Pin Connector	SND90158	SL3
P	X2900	System connector 12Pin, Soldered	1204-3029	SL3
P	X2901	Con X Microsim Card Reader	RNK87158/1	SL3 SIM Card Connector
P	X2902	Memory Card Conn	RNK87147/2	SL3
P	X3000, X3001	Conn Leaf Spring 0p	1201-2432	SL3
S	X4001	51Pin FPC Connector	1208-4211	SL3
P	X4000	Conn Camera Socket	1201-5207	SL3
P	X2500	Battery connector	1221-3567	SL3
P	N4001	IC Vreg	RYT113997/4	SL3
P	E2602	Shield Can Closed BT&FM	1204-6912	SL3



Side	Pos.	Description	Part Number	Comments
P	E2601	Shield Can Closed Audio	1204-6911	SL3
P	N3001	IC CS-9	1200-9978	SL3
P	N2801	IC Dri STDFN33-14	1203-4216	SL3
P	N2902	IC Transceiver	1202-9428	SL3
P	N4002	LDO1.2 V, 200mA, low noise, CS 5	RYT1137816/3	SL3
P	S2803, S2803, S2809, S2813	Input Switch side push	RMD10116/9	SL3
P	X1202	Conn 6p	RPT79947	SL3 Conn Antenna
P	L2500	Ind WW 2,2 uH	REG7245301/22	SL3
P	L2901	Inductor 270nH 5% 0603 0.11A	REG7044243/27	SL3
P	L2905, L2904, L2903, L2902	Ind Chip 0.0 mH K0402	1200-0313	SL3
P	V2605, V2604, V2501	Diode schot. 30V	1202-9472	SL3
P	V2602, V2603	Transistor Pmos 20V	RYN901926/1	SL3
S	V2818, V2819	LED White 1,8x1x0,3	1200-5970	SL3
P	V2500, V2924	Diode Zener 20, V SOD-523	1202-9483	SL3
P	V2928	Diode Protection 3.3 V SC-79	1206-8857	SL3
P	V2930, V2929, V2926, V2925	Diode Protection 5.0 V SOD-923	1209-6023	SL3
P	V2932, V2931	Diode Protection 0.0 V SOD-923	1201-8393	SL3
P	V3004, V3003, V3002, V3001	Zenner Diode, ESD protection, 6.1V	RKZ223922/1	SL3
P	B3000	Microphone	RLC509429/4	SL3
P	N2900	IC Charging	1204-3124	SL3
P	B2601	Quartz Crystal	RTM501908/2	SL5 ONLY Authorised Centres Only
P	B1200	Crystal 26.0 MHz	1202-2695	SL5 ONLY Authorised Centres Only
P	N2400	Memory MCP	1202-1701	SL5 ONLY Authorised Centres Only
P	N2000	ASIC BB Neptune	1201-8669	SL5 ONLY Authorised Centres Only
P	N2001	ASIC PM Triton	1201-8700	SL5 ONLY Authorised Centres Only
P	N1200	IC RF Trans. Quad band	1204-4619	SL5 ONLY Authorised Centres Only
P	N1201	IC Power amp. 4 Band	1202-2696	SL5 ONLY Authorised Centres Only
P	N1202	Front End Module	1202-2694	SL5 ONLY Authorised Centres Only
P	D2700	Bluetooth Module	RYT9990160/1	SL5 ONLY Authorised Centres Only
P	N2701	IC Lin	1205-2049	SL5 ONLY Authorised Centres Only
P	N3002	IC CS-9	1200-9978	SL5 ONLY Authorised Centres Only
P	N3003	IC	RYT1017846/1	SL5 ONLY Authorised Centres Only



Side	Pos.	Description	Part Number	Comments
S	Z4004	IC ESD Prot 0805	1203-2678	SL5 ONLY Authorised Centres Only

Parts with the same part number can be purchased as the original one.

2 Revision History

Rev.	Date	Changes / Comments
1	2008-10-10	1 st version
2	2008-10-28	Remove X2500
3	2008-11-24	No Change
4	2008-11-24	Additional text added
5	2008-11-24	Add parts
6	2008-12-12	Remove L2907, L2906 (REG70618/15)
7	2008-12-12	Remove V2904, V2905, V2922, V2923 (1211-8286)
8	2009-04-07	Update part number for X2500