



Part List, Electrical

Applicable for K850

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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 can be found in document 1078/FEA 209 544/129.

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

Side	Pos.	Description	Part Number	Comments
S	B2101	Osc XO 32.768 kHz LC	1200-3231	SL4
P	C2217	Capacitor 70.0 mF 3.3 V	RJE 355 1335/7	MSL1
S	C3137	Capacitor Ceramic 470,0 nF +/- 10% 6,3 V K0402	RJC5163026/47	MSL1
S	C3160	Capacitor Ceramic 470,0 nF +/- 10% 6,3 V K0402	RJC5163026/47	MSL1
P	D2000	ASIC BB Anja	1200-0795	SL5, MSL3
P	D2010	Mem MCP 1 Gbit + 256 Mbit 108.0 MHz 1.8 V	1200-1356	SL5
P	D2105	IC Single bus buffer gate	1200-0425	
P	D2404	IC IF ISP1508 ES3 (3.5*3.5*0.8)	1200-1694	
P	D2420	IC IF 3.5x3.5x0.8 thin QFN	1200-1951	
P	D2460	Leveltranslator	RYT109932/3	
P	E1000	Shield Can Fence	1200-2903	
P	E1001	Shield Can Fence	1200-2905	
S	E1002	Shield Can Fence	1200-2902	
S	L2200	Ind WW 4.7 uH +/-20% 2,95x2,95x0,9	1201-2245	



Side	Pos.	Description	Part Number	Comments
P	L2401, L2402, L2403, L2404	Filter 0.0 Hz 0402	REG70618/20	MSL1
P	N1200	Mod Radio EDGE Thor GSM/EDGE	1203-6579	Require calibration (SERP) MSL R5A Special Soldering Process Required - Authorized Repair Centers Only
P	N1210	Mammoth WLAN Radio Module	1204-1670	Require calibration (SERP) MSL R5A Special Soldering Process Required - Authorized Repair Centers Only
P	N1400	Module Bluetooth + FM STLC2592	1200-6182	MSL3
S	N2000	ASIC Vera	ROP1013106/1	SL5
S	N2201	LDO 3.0 V 150 mA CS-4	RYT113955/7	
P	N2202	IC Vreg MAX8640, 1.8V	1200-6420	
P	N2203	IC Vreg	1200-0110	
P	N2205	IC Vreg	1200-0107	
P	N2206	Voltage regulator 2.8V	RYT1137822/1	
P	N2208	2ch-LDO, Vout1=2.8V, Vout2=1.8V, WL-CSP6	RYT113997/4	
P	N2400	1-Bit Level Translator	RYT109914/1	
P	N2401	IC ESD Prot CS-5	1200-0454	MSL1
S	N2402	IC ESD Prot UDFN 6 2x2 mm	1200-6309	MSL1
P	N2500	IC Vreg 8-pin LLP	1200-2552	
P	N2525	ASIC 3-axis accelerometer	1200-1223	
P	N3100	OPAMP 1W Pb-Free	RYT101947/2	
P	N3101	ASIC Tjatte3 CSP20	ROP1013074/1	MSL1
P	N4101	IC Dri MAX8830 ES3 4x4 UCSP	1200-1922	
S	N4200	Light Sensor	RKZ433938/1	
P	S2400, S2402, S2403	Side Push Switch	1200-2079	
S	V2202	Trans V; Dual_PMOSFET; BYX101603_A; REQ318	RYN122910/1	
P	V2402	Diode Schottky 0,0	RKZ3236025/2	MSL1
P	V2405	MOSFET Complementary N P 20 V (D S)	RYN901918/2	
P	V2420, V2421	Zener Diode voltage regulator 15V 5%	RKZ223905/2	MSL1
P	V2425	Diode Protection 0.7 V SOD-882	1201-2253	
P	V2428	LED Red	RKZ433924/1	
P	V2477, V2478	Diode Protection 5.0 V SOD-523	1201-0304	MSL1
P	V2500	Trans P-ch FET WDFN6	1200-1780	MSL1
P	X1200	Conn Antenna	RPT79947	
P	X1201, X1202, X1203	Antenna connector	SND90161	
P	X2200	Conn Leaf Spring Battery	SND10622	
S	X2409, X4300	Conn BtB 22 pin	RNV799045/22	



Side	Pos.	Description	Part Number	Comments
S	X2410	Conn BtB 40 pin	1200-1735	
S	X2511	Conn BtB 30 pin	1200-1733	
P	X3105	Microphone connector	1200-2112	
S	X4200	Conn BtB 26 pin	1200-0293	
P	X4301	30 Pin BtB, male, (Camera)	RNV79992	

2 Revision History

Rev.	Date	Changes / Comments
1	2007-10-09	Initial release
2	2008-01-18	N1200 and N1210 added Updated descriptions for several parts
3	2008-02-26	New part added: "IC ESD Prot CS-5"