



Part List Additional Soldering Process/

Applicable for W902

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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.

Parts shipped from the Sony Ericsson Parts Warehouse are most likely NOT shipped in dry pack. This means the time elapsed between placing the order and receiving the parts must be considered as time exposed to the environment.

Different moisture sensitivity levels and exposure times create the need for different baking temperatures and times. More detailed information may be found in the most recent version of the IPC/JEDEC J-STD-033A standard. The standard is available online at <http://www.jedec.org/>.

Component placing will be found in document 1212-7774.

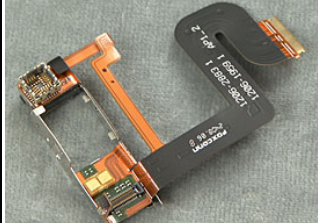
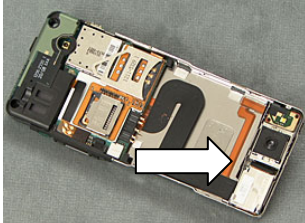
NOTE! RF Calibration by using SERP can only be done by authorized repair centers.

P=Primary side, S=Secondary side.



Side	Pos.	Description	Part Number	Comments
P	B2100	Crystal 32,768 kHz	RTM501911/1	Calibration required (SERP)
S	B3105	Microphone	1206-4070	
S	C2217	Capacitor 20.0 mF 3.3 V	1208-3722	
P	L2200	Ind WW 4.7 uH +-20% 2,95x2,95x0,9	1201-2245	
P	L2260	120ohm 0603 2A 50mohm Bead	REG70605/15	
P	L2261	Ind WW 4.7 uH +-20% 2,95x2,95x0,9	1201-2245	
S	L2401	Filter 0.0 Hz 0402	REG70618/20	
S	L2402	Filter 0.0 Hz 0402	REG70618/20	
S	L2403	Filter 0.0 Hz 0402	REG70618/20	
S	L2404	Filter 0.0 Hz 0402	REG70618/20	
S	L2487	Chip Inductor 2.2uH +/-20% 0603	REG9030052/22	
P	L3105	Inductor 15.0 nH	1200-7732	
P	L3106	Inductor 15.0 nH	1200-7732	
P	L4102	Ind WW 2.2 uH +/-20% 3.9x3.9x1.7mm	1202-3848	
P	L4201	Inductor Chip	1200-6306	
P	N1002	Module GSM MCM 6x8	RYT101988/1	Calibration required (SERP)
P	E1	Shield Can Closed assembly	1200-0188	
P	N1220	DC/DC Converter	RYT1137838/1	PA GSM in THOR
P	N1300	Module Bluetooth + FM STLC2592	1200-6182	
P	N2202	IC Vreg MAX8640, 1.8V	1200-6420	
P	N2203	IC Vreg	1200-0110	
P	N2206	Voltage regulator 2,8V	RYT1137822/1	
P	N2400	1-Bit Level Translator	RYT109914/1	
P	N2550	ASIC 3-axis accelerometer	1200-1223	
P	N3101	ASIC Tjatte3 CSP20	ROP1013074/1	
P	N4103	IC Driver	1201-8077	
P	V2202	Trans P-ch FET	RYN122910/1	
P	V2405	Transistor	1200-4953	
P	V2421	Zener Diode Voltage regulator 15V 5%	RKZ223905/2	
S	V2426	Diode Protection 5, V SOD-923	1201-8440	
S	V2427	Diode Protection 5, V SOD-923	1201-8440	
P	V4200	Transistor, Mosfet, N-Channel	RYN123915/1	
P	V4201	Diode Schottky 0, SOD523	RKZ123905/2	
P	X1100	Conn Leaf Spring	SND90161	
P	X1101	Conn Leaf Spring	SND90161	
S	X1102	Conn Leaf Spring	SND90161	
P	X1200	RF test connector	RNV79960/1	
S	X1300	Connector BT Antenna	1201-9970	
P	X2201	Conn Pogopin Plug 5p	1201-5769	
P	X2400	System connector I/O Receptacle 12p	1205-9723	
S	X2409	Conn BtB 30 pin	1200-1733	
S	X2410	Conn BtB 40 pin	1204-7596	
P	X3100	Conn BtB 10 pin	1205-6259	
S	X4200	Conn BtB 28 pin	1201-9966	
S	X4300	Conn FPC 58 pin	1202-0992	

2 Mechanical Parts that needs calibration

Part	Part Location on Phone	Working Instruction Description	Webshop Description	Part Number	Comments
		Carrier top assembly	Carrier top assembly	1206-1973	

3 Revision History

Rev.	Date	Changes / Comments
1	2008-09-06	First release
2	2008-10-29	L2261, L4102, L4201 Added and Carrier top assembly moved from Mechanical Part List
3	2009-06-18	L3105 and L3106 added