



# Part List, Electrical

Applicable for W890

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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;  $\leq 30$  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;  $\leq 30$  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;  $\leq 30$  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;  $\leq 30$  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;  $\leq 30$  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;  $\leq 30$  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;  $\leq 30$  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 1078/2-FEA 209 544/118.

**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	B1260	Crystal 26.0 MHz 3225	1200-0097	Calibration required (SERP) MSL2
S	B2100	Crystal 32768Hz +20PPM 12.5pF	RTM 501 911/2	Calibration required (SERP)
P	B3100	MICROPHONE/CHARLOT TE	RLC 509 440	
P	D2105	IC Single bus buffer gate	1200-0425	MSL1
S	D2400	IC IF ISP1508 ES3 (3.5*3.5*0.8)	1200-1694	
S	L2200	Ind WW 4.7 uH K3012	1200-2214	MSL1
P,P	L2401,L2402	Inductor 120nH 5% 0402 0.11A	REG 724 5543/12J	
P,P P,P	L2403,L2404 L2407,L2408	Filter 0.0 Hz 0402	REG 706 18/20	MSL1
P,P	L2405,L2406	Filter 220ohm 0603 2A 0.05ohm Bead	REG 706 05/24	
<b>S</b>	<b>L4200</b>	70ohm 0201 0.2A 0.5ohm Bead	REG70630/1	MSL1



Side	Pos.	Description	Part Number	Comments
S	L4201	Ind WW 22.0 uH ±20% 2012	1201-4593	
P	N1200	ASIC GIMLI	ROP 101 3080/1	Calibration required (SERP) MSL3
P	N1230	Module GSM MCM 6x8	RYT 101 988/1	Calibration required (SERP)
P	N1300	ASIC YLVA	ROP 101 3107/1	Calibration required (SERP)
P	N1380	Module PA WLAN 4040	1200-0073	Calibration required (SERP) MSL2
P	N1400	Module Bluetooth + FM STLC2592	1200-6182	MSL3
S	N2201	IC Vreg PLP1010-4	1201-6465	MSL1
S	N2202	IC Vreg SON-6	1200-0373	MSL1
P	N2203	2ch-LDO, Vout1=2.8V, Vout2=1.8V, WL-CSP6	RYT 113 997/4	
P	N2204	LDO1.8 V, 200mA, low noise, CS-5	RYT 113 7816/4	
P	N2205	DC/DC Converter	RYT 113 7838/1	
S	N2400	1-Bit Level Translator	RYT 109 914/1	
P	N2402	IC ESD Prot UDFN 6 2x2 mm	1200-6309	MSL1
S	N2424	ESD/EMI protection for USB	RKZ 923 926/1	
S	N3100	OPAMP 1W Pb-Free	RYT 101 947/2	
S	N3101	ASIC Tjatte3 CSP20	ROP 101 3074/1	MSL1
S	N4201	Trans N-ch FET	RYN 901 936/1	
S	V2202	TRANS V;DUAL_PMOSFET;BYX1 01603_A;REQ318	RYN 122 910/1	
P	V2402	Switching Diode	RKZ 323 916/1	
S	V2405	MOSFET Complementary N P 20 V (D S)	RYN 901 918/2	
P	V2420	Zener Diode voltage regulator 15V 5%	RKZ 223 905/2	MSL1
P	X1000	Conn Leaf Spring	1201-4841	
S	X1100	Conn 6p	RPT 799 47	
S, S	X1203, X1400	Conn Pogopin	1200-4733	
S	X2200	Conn Pogopin 0p CSS5005-7L02E	1201-9869	
S	X2400	12p System Connector	SXA1097055/12	
P	X2401	Conn BtB	1200-2529	
S	X2402	Conn BtB Receptacle 18p	1200-6752	
P	X4201	Conn BtB Receptacle 26p	1202-9266	
P	X4300	Conn BtB	1200-2290	
P	Z1230	Module GSM FEM/Switch/SAW/5.4x4.7x 1.2mm	1200-0169	Calibration required (SERP) MSL3
P,P P	Z4200,Z4201 Z4202	Filter 400.0 MHz KNA16400	REV 501 46/1	MSL1

## 2 Revision History

Rev.	Date	Changes / Comments
1	2008-02-20	Initial release
2	2008-02-27	Changed component
3	2008-03-05	No changes made in content
4	2008-09-22	Changed description on N1380 and X1100
5	2009-11-04	L4200 added
6	2009-11-23	L4201 added