



Part List, Electrical

Applicable for W980

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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 1215-3910.

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

A= Side A, B= Side B.



Side	Pos.	Description	Part Number	Comments
B	B2100	Crystal 32,768 kHz	RTM 501 911/2	Calibration required (SERP)
B	B3105	Microphone	1201-2470	
A	B4240	IC	1207-9682	
B	E1401	Shield Can Fence Shield-B for DC/DCconverter	1203-8615	
B	L2200	Ind WW 4.7 uH K3012	1200-2214	
B	L2210	Ind WW 2,2 uH	REG 724 5301/22	
B,B	L2401,L2402	Filter 0.0 Hz 0402	REG 706 18/20	
B,B	L2403,L2404			
B,B	L3113,L3114	Filter 600ohm 0402 0.3A 0.85ohm Bead	REG 706 18/21	
A,A	L3115,L3116	Inductor 68.0 nH $\pm 5\%$	1206-6858	
A,A	L3118,L3119	Ind Chip 6.8 nH $\pm 3\%$	1208-6208	
B	N1002	Module GSM MCM 6x8	RYT 101 988/1	Calibration required (SERP)
B	E1	Shield Can Closed assembly	1200-0188	
B	N1200	RF-Module Thor Pre-bumped	1203-6579	Calibration required (SERP) MSL5
B	N1210	RF-Module Squid Pre – bumped	1204-1674	Calibration required (SERP) MSL5
B	N2202	IC Vreg MAX8640, 1.8V	1200-6420	
B	N2205	DC/DC Converter	RYT 113 7838/1	
B	N2400	1-Bit Level Translator	RYT 109 914/1	
B	N2402	IC ESD Prot UDFN 6 2x2 mm	1200-6309	
B	N2424	IC ESD Prot CS-5	RKZ 923 926/1	
A	N2430	Light Sensor	RKZ 433 938/1	
B,B	N3100,N3102	IC Amp 9-Pin Flip-Chip	1209-3641	
B	N3101	ASIC Tjatte3 CSP20	ROP 101 3074/1	
B	N3400	IC Lin 20-Pin QFN 3x3x0,55	1201-6000	
B	N4200	Trans N-ch FET	RYN 901 936/1	
B	N4310	IC Vreg	RYT 113 997/4	
B	N4311	IC Vreg	1202-7650	
B	N4401	IC	1202-8327	
B	R2200	Resistor 25, mOhm $\pm 1\%$ 125.0 mW K0402	REP 622 650/025	
B,B	R2417,R2418	Resistor 0, Ohm $\pm 50m$ 63 mW K0603	REP 623 001/0	
B	R2428	Varistor	1206-9663	
B,B	S2424,S2426	Input Switch side push	RMD 101 16/9	
B	S2427			
B	S2440	Push Button Lock Switch	1201-6704	
B	V2200	Zener diode	RKZ 223 911/1	
B	V2202	Trans P-ch FET	RYN 122 910/1	
B	V2220	Led Red	1201-0054	
B	V2405	Tran MOSFET Complementary N P 20 V (D S)	RYN 901 918/2	
B	V2408	Switching Diode	RKZ 323 916/1	
A,B	V2420,V2421	Zenner Diode, 15V	RKZ 223 921/1	



Side	Pos.	Description	Part Number	Comments
A,A	V2441,V2442	LED White	1203-4720	
A,A	V2443,V2444			
A,A	V2445,V2446			
A,A	V2447,V2448			
A,A	V2450,V2451			
A,A	V2455,V2459			
A,A	V2460,V2463	LED White	1203-4720	
A,A	V2453,V2454	LED Orange	1203-4719	
A,A	V2457,V2458			
A,A	V2461,V2462			
A,A	V2465,V2466			
B	X1200	Conn 6p	RPT 799 47	
B,B	X1402,X1403	Contact spring	SND 106 26	
B,B	X1404,X1405	Conn Leaf Spring	1201-4841	
B	X2200	Conn Other Plug 5p	1203-1070	
B	X2400	Conn I/O Receptacle 12p -j	1203-2571	
B	X2410	CONN/RECPT/B-B, PB-4, Socket, 24 pins	1206-0206	
B	X4200	LCM Connector	1200-2288	
B	X4301	Conn Camera Socket 0p EP3	1201-4594	
B	Z2450	Filter 0.0 K1005	1201-9255	
B,B	Z4200,Z4201	Filter 400.0 MHz KNA16400	REV 501 46/1	
B,B	Z4202,Z4203			

2 Revision History

Rev.	Date	Changes / Comments
1	2008-07-27	Initial release
2	2008-08-04	V2406 removed
3	2008-09-26	Changed from S and P to A and B in Side description
4	2009-07-14	Added MSL5 on 1203-6579 and 1204-1674