



Part List, Electrical

Applicable for W710, Z710

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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 component's position number on the board.

Some components in this product are moisture sensitive and must be baked prior to use if they have been exposed to air. 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/>.

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.

- 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 **1078/FEA 209 544/xx**.

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	B300	Crystal 32768HZ +-20PPM 12.5pF	RTM501911/2	Calibration Required
P	D600	IRDA 6,7*2,45*1,7	RKZ923919/1	
P	D601	USB-transceiver	RYT109922/1	
P	L801	22 uH Coil	REG72489/13	
P	N1100	Bluetooth E-STLC2500C4	RYT123923/2	
P	N1203	CONCORD RF ASIC, HVQFN-48 pb free	ROP1013060/1	Calibration Required MS3
P	N1204	Quad band Front End Module with integrated SAW-filters	RYT901934/1	Calibration Required MS3
P	N1206	VCTCXO module, 3.2x2.5	RTL204905/1	Calibration Required
P	N1300	PA Module, 22 TERMINAL LGA	RYT101988/1	Calibration Required MS3
P	N1302	2.8V low noise 150mA LDO regulator.	RYT113955/2	Same part as N807
S	N400	MR SENSOR	RYT101999/1	
P	N401	1.8V low noise 150mA LDO regulator.	RYT113955/1	
P	N501	IC, ACCELEROMETER	ROP1013097/1	W710 ONLY
P	N702	ASIC Vincenne2 A07 1.8V Cu-Plug Thin Ni	ROP1013066/6	
P	N703	ASIC TJATTE 3	ROP1013074/1	Vincenne Calibration Required MS3
P	N704	1W OPAMP Pb-Free version of RYT101947/1	RYT101947/2	
P	N705	Leadfree version of RYT113923/1	RYT113923/2	
P	N807	2.8V low noise 150mA LDO regulator.	RYT113955/2	Same part as N1302
P	N810	LDO1.2 V, 200mA, low noise, CS-5	RYT1137816/3	
P	S527	Push Button Detection Switch	RMD10124/02	
S	V501	diode, 75V, 2x75mA, SOT416	RKZ123909/1	
S	V526	6835R-NPN	RYN1216043/1	Same part as V601
S	V537			
S	V555-V569	LED, Amber, 0.4mm top-fire	RKZ433985/1	Same part as V701 W710 ONLY
S	V555-V569	LED, Blue, Top firing, 1.6X0.8X0.4	RKZ433952/1	Same part as V701 Z710 ONLY
P	V601	6835R-NPN	RYN1216043/1	Same part as V526 and V537
P	V604	MOSFET Complementary N+P 20-V (D-S) [NoPb]	RYN901918/2	
P	V609	Diode, Schottky	RKZ123911/1	
S	V701	LED, Amber, 0.4mm top-fire	RKZ433985/1	Same part as V555 – V569 W710 ONLY
S	V701	LED, Blue, Top firing, 1.6X0.8X0.4	RKZ433952/1	Same part as V555 – V569 Z710 ONLY
P	V803 V804	P-CHANNEL MOSFET	RYN122684/2	
P	X1201	RF Connector	RNV79960/1	
P	X1202 X1204	CONN/ANTENNA/(ZOE)	SND10419	
P	X1214 X1215	T28/CONTACT SPRING LOUDSPEAKER	SND21046/1	
P	X1221	CONNECTOR/5 POS/FPC/(CHARLOTTE	RNV799010/5	
P	X201	Cyndi/M2 Memory Card Reader, Fict level	RNK87147	
P	X424	CONN/RECPT/B-B/60 PIN/(KALIA)	RNV79933/60	
P	X701	K700i/SIM-Holder	RNK860118	
S	X702	MICROPHONE/CHARLOTTE	RLC509440	
P	X800	K700i/Battery connector	SND10620	
P	X900	CHARLOTTE/SHIELDCAN/BB UPPER	SXA1342845	



Side	Pos	Description	Part Number	Comments
P	X900 Lid	LID/BB UPPER/64MB/CHARL	SXA1342852	
P	X901	FENCE/BB/LOWER/CHARLOTTE	SXA1342846	
P	X901 Lid	LID/BB/LOWER/CHARLOTTE	SXA1342853	
P	X902	CHARLOTTE/FENCE/RF	SXA1342847	
P	X902 Lid	LID/RF SHIELD/CHARLOTTE	SXA1342849	

2 Revision History

Rev.	Date	Changes / Comments
A	2006-Aug-29	Initial Release
B	2006-Nov-27	Removed N811 (RYT113955/2) and X903 (SXA1342848) from FM radio section. These parts are not reparable. Attempting to remove the shield can causes solder ball shorts under the FM radio ASIC.
3	2008-Jan-22	Added Vincenne, N702, ROP1013066/6. Changed document number and revision to new format.