



# Part List, Electrical

Applicable for G502

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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 1213-7892.

**NOTE!** RF Calibration by using SERP can only be done by authorized repair centers.  
Fence modification according to Working Instruction Electrical.

**P=Primary side, S=Secondary side.**

Side	Pos.	Description	Part Number	Comments
	N/A	BT shielding can	1200-7601	
P	X1200	Antena switch conn	RPT79947	
P	X1201, X1202 X1203	Antenna connector	SND 901 58	
P	X2200	battery Connector	SND10620	
P	X2402	keypad Connector	RNV799036	
S	X4200	B to B connector, female, 22 pin	RNV799046	
P	X4310	Camera connector	RNV799011	
P	S2402, S2403	Input Switch Side Push	RMD10116/9	
P	B3100	Microphone	RLC509429/5	
P	X2403	SIM Card Conn Micro SD Hight, 2.2 mm	1204-8474	



Side	Pos.	Description	Part Number	Comments
P	X2490	MS-Micro Pico holder	RNK87147/2	
P	V2201	LED Diode	RKZ433664/3	
P&S	C3113, C3120, C3145, C3146	Capacitor Ceramic 470,0 nF +/-10% 6,3 V	RJC5163026/47	<b>MSL1</b>
S	D2105	IC Single bus buffer gate	1200-0425	
P	L2400, L2401, L2402, L2403, L2404	Filter 0.0 Hz 0402	REG70618/20	<b>MSL1</b>
P	N2203	IC Vreg	RYT113997/4	
S	N2400	1-Bit Level Translator	RYT109914/1	
P	N3101	ASIC Tjatte3 CSP20	ROP1013074/1	<b>MSL1</b>
P	V2202	Trans P-ch FET	RYN122910/1	
S	V2405	Trans MOSFET Complementary N P 20 V (D S)	RYN901918/2	
P	V2420, V2421	Zener Diode voltage regulator 15V 5%	RKZ223905/2	<b>MSL1</b>
P	D2404	MICROCIRCUIT/USB transceiver and UART MU	RYT109913/1	
S	N3100	MIKROKRETS/Class AB Audio Amplifier	RYT1017841/2	
P	N1400	Module Bluetooth + FM STLC2592	1200-6182	<b>MSL3</b> <b>Special Soldering Process Required</b> <b>- Authorized Repair Centers Only</b> <b>SL4</b>
S	B2100	Crystal 32,768 kHz	RTM501911/1	<b>Require calibration (SERP)</b>
P	N1210	RF-Module Squid Pre - bumped	1204-1674	<b>Require calibration (SERP)</b> <b>UMTS Only</b> <b>MSL R5A</b> <b>Special Soldering Process Required</b> <b>- Authorized Repair Centers Only</b>
P	N1200	RF-Module Thor Pre-bumped	1203-6579	<b>Require calibration (SERP)</b> <b>MSL R5A</b> <b>Special Soldering Process Required</b> <b>- Authorized Repair Centers Only</b>
S	V4200	Transistor, Mosfet, N-Channel	RYN123915/1	
S	V4201	Schotty Diode	RKZ 323 907/1	

## 2 Revision History

Rev.	Date	Changes / Comments
1	2008-05-26	1 <sup>st</sup> version
2	2009-03-16	Add V4200 and V4201