



Part List Additional Soldering Process/, Electrical

Applicable for C702, C702a & C702c

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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.

Component placing will be found in document 1213-5328

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
P	X1200	Antena switch conn	RPT79947	
P	X2200	battery Connector	1203-3156	
P	X2402	keypad Connector	RNV799036	
S	X4201	B to B connector	1202-0859	
S	X4202	Conn BtB Receptacle 26p	1202-9266	
P	X2300	System connector	1202-0855	
P	X1301,X1302 X1430,X1431	Connector	SND90158	
S	X4300	VGA Camera connector	RNV 799 045/22	UMTS Only
P	X4301	Camera Socket	1202-0835	
P	X2403	SIM Connector	1201-9946	
P	S2502, S2503 S2504	Input Switch Side Push	RMD10116/9	
S	B3100	Microphone	RLC509429/5	



Side	Pos.	Description	Part Number	Comments
P	X2490	MS-Micro Pico holder	RNK87147/2	
P	V2425	Diode Protection 0.7 V SOD-882	1201-2253	
S	C3113, C3120, C3145, C3146	Capacitor Ceramic 470,0 nF +/-10% 6,3 V	RJC5163026/47	MSL1
S	D2105	IC Single bus buffer gate	1200-0425	
S	N2400	1-BIT LEVEL TRANSLATOR	RYT109914/1	
P	N3101	ASIC Tjatte3 CSP20	ROP1013074/1	MSL1
P	V2202	Trans P-ch FET MLP 2X2-6L	RYN122910/1	
P	L2401, L2402, L2403, L2404, L2405, L2408	Filter 0.0 Hz 0402	REG70618/20	MSL1
P	N1400	Module Bluetooth + FM STLC2592	1200-6182	MSL3
S	B2101	Crystal 32,768 kHz	RTM501911/1	Require calibration (SERP)
P	N1210	RF-Module Squid Pre - bumped	1204-1674	Require calibration (SERP) UMTS Only MSL R5A
P	N1200	Pre-bumped, Mod Radio EDGE Thor GSM/EDGE	1203-6579	Require calibration (SERP) MSL R5A
P	X1201, X1202, X1203	Internal Antenna Connector	SND10625	
P	N2402	IC ESD Prot UDFN 6 2x2 mm	1200-6309	MSL1
P	D2404	IC IF ISP1508 ES3 (3.5*3.5*0.8)	1200-1694	
P	C2217	Zener Diode voltage regulator 15V 5%	RJE3551335/7	
P	V2420, V2421	Diode Zener 15, V SOD523	RKZ 223 905/2	MSL1
P	V3105, V3106	ZenerDiode, ESDprotection	RKZ 223 911/1	
P	N3100	Audio PA	RYT 101 7841/2	
P	E1004	BT shielding fence	1203-1606	
P	E1001	Shield Can	1202-0850	Shielding Can-GPS
P	E1002	Shield Can	1202-0851	Shielding Can--MP202
P	E1003	Shield Can	1200-7603	Shielding for DC-DC of UMTS
P	N2209	2ch-LDO, Vout1=2.8V, Vout2=1.8 V, WL-CSP6	RYT113997/4	
P	N1430	IC A-GPS Hammerhead 2	1200-0700	
P	N2206	Voltage regulator 2,8V	RYT1137822/1	
P	N2205	DC/DC Converter	RYT 113 7838/1	
S	V2405	MOSFET Complementary N P 20 V (D S)	RYN901918/2	
S	L3103, L3104	75ohm 0402 0.1A 0.8ohm Bead	REG70618/2	
S	V3101, V3102	Diode	RKZ223911/1	

2 Revision History

Rev.	Date	Changes / Comments
1	2008-05-22	1 st preliminary version
2	2008-06-04	Part updated
3	2008-06-10	SL5 Parts deleted.
4	2008-06-27	Add E1001, E1002, E1003, E1004, N2205, N2006, N2009 and N1430.
5	2008-07-25	RYN901918/2 Added
6	2008-10-21	Update part description for REG70618/20, 1204-1674, 1200-1694
7	2009-11-23	Added L3103,L3104,V3101 and V3102