



Part List, Electrical

Applicable for T700

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1 Part list Main Board

Contain 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 1211-4056.

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	N1230	Module GSM MCM 6x8	RYT101988/1	Calibration required (SERP)
p	N1380	Module PA WLAN 4040	1200-0073	Calibration required (SERP)
p	X2401	Conn BtB	1200-2529	
s	B2100	Crystal 32768HZ +-20PPM 12.5pF	RTM501911/2	Calibration required (SERP)
s	N2202	IC Vreg SON-6	1200-0373	
s	L2200	Ind WW 4.7 uH K3012	1200-2214	
p	N1200	ASIC GIMLI	ROP1013080/1	Calibration required (SERP)
p	B1260	Crystal 26.0 MHz 3225	1200-0097	Calibration required (SERP)
p	V2402	Switching Diode	RKZ323916/1	MSL2
s	X2200	Conn Pogopin 0p CSS5005-7L02E	1201-9869	
s	X2400	12p System Connector	SXA1097055/12	
s	N2424	ESD/EMI protection for USB	RKZ923926/1	
s	D2400	IC IF ISP1508 ES3 (3.5*3.5*0.8)	1200-1694	



Side	Pos.	Description	Part Number	Comments
P,P	L2405,L2406	Filter 220ohm 0603 2A 0.05ohm Bead	REG7245543/12J	
s	V2202	TRANSV;DUAL_P MOSFE T;BYX101603_A;REQ318	RYN122910/1	
p	N2402	IC ESD Prot UDFN 6 2x2 mm	1200-6309	
p	V2420	Zener Diode voltage regulator 15V 5%	RKZ223905/2	
s	N2400	1-Bit Level Translator	RYT109914/1	
s	V2405	MOSFET Complementary N P 20 V (D S)	RYN901918/2	
s	X2402	Conn BtB Receptacle 18p	1200-6752	
p	X4300	Conn BtB	1200-2290	
p	X4201	Conn BtB Receptacle 26p	1202-9266	
P,P	Z4200,Z4201	Filter 400.0 MHz		
P	Z4202	KNA16400	REV50146/1	
s	N4201	Trans N-ch FET	RYN901936/1	
s	N3100	OPAMP 1W Pb-Free	RYT101947/2	
P,P	L2403,L2404	Filter 0.0 Hz 0402	REG70618/20	
s	N3101	ASIC Tjatte3 CSP20	ROP1013074/1	
p	B3100	MICROPHONE	RLC509440	
P,P	L2401,L2402	Inductor 120nH 5% 0402 0.11A	REG7245543/12J	
p	L2407	Filter 0.0 Hz 0402	1200-0317	
p	L2408	Filter 0.0 Hz 0402	1200-0317	
p	N2203	IC vreg	RYT113997/4	
p	N2204	LDO1.8 V, 200mA, low noice, CS-5	RYT1137816/4	
s	N2201	IC Vreg PLP1010-4	1201-6465	
p	N1400	Module Bluetooth + FM STLC2592	1200-6182	
p	D2105	IC Single bus buffer gate	1200-0425	
s	X1100	Conn 6p	RPT79947	
p	X1000	Conn Leaf Spring	1201-4841	
S,S	X1203,X1400	Conn Pogopin	1200-4733	
p	N1300	ASIC YLVA	ROP1013107/1	Calibration required (SERP)
p	N2205	DC/DC Converter	RYT1137838/1	
P	Z1230	Module GSM FEM/Switch/SAW/5.4x4.7 x1.2mm	1200-0169	Calibration required (SERP) MSL3
S	L4201	Ind WW 22.0 uH ±20% 2012	1201-4593	

2 Revision History

Rev.	Date	Changes / Comments
1	2008-09-29	Initial release
2	2008-10-08	Changed Part number on L2405,L2406,L2403,L2402,L2401,L2404,Z4200,Z4201,Z4202,V2420,V2402 ,N2424,B3100,N3101,N1200,N1300,X1100,B2100,V2202,N4201,N3100,N1 230,N2400,N2204,N2205,N2203,X2400
3	2009-10-29	Z1230 Added Calibration required added to B1260 ,B2100 Calibration required added to N1200, N1230 ,N1300 and N1380
4	2009-11-23	L4201 Added