



# Part List, Electrical

Applicable for Z770i

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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 1208-4638

**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	Conn Antenna	RPT79947	
P	X1201	Coax Connector	RPT79938	
S	X1202	ANT GND Connector Leaf Spring 1p	1202-1053	
P	X2200	Battery Connector	1200-2360	
P	X2400	System connector	1201-4003	
P	X3100	Con X Keyboard connector	RNV799036	
S	X4200	LCM Connector	1200-2288	
S	N1400	Module Bluetooth + FM STLC2592	1200-6182	MSL3
S	B4200	SMD Vibrator	BKE90340	
P	X2403	SIM Card Connector	1201-1249	
P	X2405	MS-Micro Pico holder	RNK87147/2	



P	N3101	ASIC Tjatte3 CSP20	ROP1013074/1	MSL1
S	D2105	IC Single bus buffer gate	1200-0425	
S	D2400	IC IF ISP1508 ES3 (3.5*3.5*0.8)	1200-1694	
S	L2401-L2404	Filter 0.0 Hz 0402	REG70618/20	MS1
S	N2203	2ch-LDO, Vout1=2.8V, Vout2=1.8V, WL-CSP6	RYT113997/4	
P	N2400	IC	RYT109914/1	
P	N2402	IC ESD Prot UDFN 6 2x2 mm	1200-6309	MSL1
N/A	On Hing FPC	Ear Speaker 1107.0 Rectangular	1201-5051	
N/A	On Hing FPC	Loudspeaker 1318.0 Oval	1201-5043	
S	V2420-V2422, V4209	Diode Zener 15, V SOD523	RKZ223905/2	MSL1
P	E1000	Shield Can Closed small shielding	1201-4680	
P	E1001	Shield Can Fence	1201-3080	
P	N2202	IC Vreg SON-6	1200-0373	
S	B4410	IC Lin,MR sensor	1204-1557	
S	N2204	LDO1.2 V, 200mA, low noice, CS 5	RYT1137816/3	
S	B2102	Crystal 32,768 kHz	RTM501911/1	SL4
P	N1002	PA in Thor Module	1200-9356	Require calibration (SERP) MSL R5A Special Soldering Process Required - Authorized Repair Centers Only
P	N1200	RF-Module Thor Pre-bumped	1203-6579	Require calibration (SERP) MSL R5A Special Soldering Process Required - Authorized Repair Centers Only
P	N1210	RF-Module Squid Pre -bumped	1204-1674	Require calibration (SERP) MSL R5A Special Soldering Process Required - Authorized Repair Centers Only
S	C3137,C3141	Capacitor Ceramic 220,0 nF +/-10% 6,3 V	RJC 516 3026/22	
S	L2200	Ind WW 4.7 uH K3012	1200-2214	
P	V2202	TRANS V;DUAL_P MOSFET;BYX101603_A;REQ318	RYN 122 910/1	
S	V2431	Diode Protection 0.7 V SOD-882	1201-2253	
S	Z4200,Z4201,Z4202	LC Filter Array 0805 22pF	REV 501 47/1	
P	N2205	DC/DC Converter	RYT 113 7838/1	
S	N3100	IC Amp 9-Pin Flip-Chip	1204-5680	
S	V4205,V4206	Trans Array	1200-0320	
P	Z2400	Filter 100, MHz K1210	1201-6833	
S	R2441	47Kohm 1% Resistor	REP 621 105/47	

## 2 Revision History

Rev.	Date	Changes / Comments
1	2008-03-17	First release
2	2008-04-01	Delete 1204-5680 (N3100)
3	2008-04-02	Add C3137, C3141, L2200, V2202, V2431, Z4200,Z4201,Z4202, N2205
4	2008-04-07	Add N3100,V4205,V4206, Z2400
5	2008-10-7	Add R2441
6	2008-12-18	Add N1002