



Part List, Electrical

Applicable for V640i & K630i

Contents

1	Part list Main Board.....	2
2	Revision History.....	4

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 1201-2732_4_2

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	N3100	IC Amp	RYT1017841/1	
P	N2400	1-Bit Level Translator	RYT109914/1	
P	V2206	Diode V schotty	RKZ123905/2	
P	V4201	Schotty Diode	RKZ323907/1	
P	V2405	MOSFET Complementary N P 20 V (D S)	RYN901918/2	
S	V2420, V2421	Zener Diode voltage regulator 15V 5%	RKZ223905/2	MSL1
S	V2202	TRANS V;DUAL_P MOSFET;BY X101603_A;REQ318	RYN122910/1	
P	X4200	LCD Connector	RNV799046	
S	B3100	Microphone	RLC509429/5	
S	C2217	0.07F 3.3V Capacitor	RJE3551335/7	
S	N2203	2ch-LDO, Vout1=2.8V, Vout2=1.8V, WL-CSP6	RYT113997/4	
S	X1200	Connector, RF Test	RPT79947	



Side	Pos.	Description	Part Number	Comments
S	X2200	Battery Connector	SND10620	
S	X2402	Con X Keyboard connector	RNV799036	
S	X2490	MS-Micro Pico holder	RNK87147/2	
S	X4310	Socket/Camera	RNV799011	
S	S2400, S2402, S2403	Side push switch	RMD10116/9	
S	N3101	EMI filter and ESD	ROP1013074/1	MSL1
P	N2400	1-Bit Level Translator	RYT109914/1	
S	L2401, L2402, L2403, L2404,	Filter 0.0 Hz 0402	REG70618/20	MSL1
S	N2205	IC Vreg	1200-0107	
S	X1201, X1202, X1203	POGO Pin (For Antenna)	SND10625	
P	X4300	Conn Socket	1200-0374	
P&S	X1001, X1002, X1003	Antenna Pin Connector	SND90158	
S	N1210	Mod Radio GSM Squid	1204-1674	Require calibration (SERP) MSL R5A Special Soldering Process Required - Authorized Repair Centers Only
S	N1200	Mod Radio EDGE Thor GSM/EDGE	1203-6579	Require calibration (SERP) MSL R5A Special Soldering Process Required - Authorized Repair Centers Only
P	C3145, C3146	Capacitor Ceramic 470,0 nF +/-10% 6,3 V	RJC5163026/47	MSL1
P&S	V3101,V3102, V3103,V3104, V3105,V3106, V3107,V3108, V3109,V3110	Zener diode	RKZ223911/1	
S	N2204	LDO1.2 V, 200mA, low noise, CS 5	RYT1137816/3	

2 Revision History

Rev.	Date	Changes / Comments
A	2007-09-20	First release
B	2007-10-09	Text Aligned & N2205 added to SL4
C	2007-10-11	No Change
D	2007-11-20	3 parts added
5	2008-03-25	SIM card reader and Module Bluetooth + FM STLC2592 deleted
6	2008-04-07	One part added in page 3
7	2008-08-21	Removed part RYT101988/1 PA Module. 22 TERMINAL LGA