



Part List, Electrical

Applicable for K610i, K610im, K618i and V630i

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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; $\leq 30\text{ C}$; 60%rh; shipped in dry pack; must be re-baked after being opened if floor life is exceeded.
- Level 2A:** 4 week floor life; $\leq 30\text{ C}$; 60%rh; shipped in dry pack; must be re-baked after being opened if floor life is exceeded.
- Level 3:** 168 hours floor life; $\leq 30\text{ C}$; 60%rh; shipped in dry pack; must be re-baked after being opened if floor life is exceeded.
- Level 4:** 72 hours floor life; $\leq 30\text{ C}$; 60%rh; shipped in dry pack; must be re-baked after being opened if floor life is exceeded.
- Level 5:** 48 hours floor life; $\leq 30\text{ C}$; 60%rh; shipped in dry pack; must be re-baked after being opened if floor life is exceeded.
- Level 5A:** 24 hours floor life; $\leq 30\text{ C}$; 60%rh; shipped in dry pack; must be re-baked after being opened if floor life is exceeded.
- Level 6:** 6 hours floor life; $\leq 30\text{ C}$; 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 1078-ROA 128 1740 PB2

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	Z3100, Z3101, Z3102	FILTER/LC Filter Array 0805 22pF	REV 501 47/1	
S	C2217	Backup Capacitor	RJE 379 1335/7	
S	V2204	DIODE V/ZENER/15V/5%/BYX1 01127_A	RKZ 223 905/2	
S	V2303, V4106, V2506, V2509, V2510, V4101	DIODE/Dual ESD protection diode	RKZ 223 914/1	
S	V3110	LIGHT EMITTING DIODE/LED, Red/Green, Pb-free	RKZ 433 956	



Side	Pos.	Description	Part Number	Comments
S	N2300	DIODE BRIDGE/USB FILTER NETWORK	RKZ 923 921/1	
S	S2511, S2512, S2513	PUSH-BUTTON SIDE SWITCH	RMD 101 48	
S	S2500	Micro Switch (Side Key/Camera)	RMD 101 16/4	Shared with K750
S	X2302	SIM card reader	SXA 109 6432	
S	X2301	HOLDER M2 SMK Memory Card reader	RNK 871 47/3	Use only SMK M2 for K610 family.
P	X2590, X2591	Keyboard/LCD connector, BtB 20 pin (female)	RNV 799 55	
S	X1000	RF Test Connector	RPT 799 42	
P	V2202, V2203	TRANS V/P-Channel_MOSFET/CHIPF8_6053R	RYN 122 684/2	
S	D2304	MICROCIRCUIT/USB transceiver and UART MUX	RYT 109 913/1	
S	N2400	MICROCIRCUIT/Level shifter	RYT 113 995/1	
S	X2200	Battery connector	SXA 109 6431	
S	E1000	Shield can fence 1 (WANDA)	SXA 109 7000	
P	E1001	Shield can fence 2 (MARIKA)	SXA 109 7001	
S	E1002	Shield can fence 3 (USB)	SXA 109 7002	
S		Shield can lid1 (WANDA)	SXA 109 6255	
P		Shield can lid2 (MARIKA)	SXA 109 6256	
S		Shield can lid3 (USB)	SXA 109 6395	
P	Z1400	QUARTZCRYSTAL FILTER/Bluetooth filter	RTN 202 932/4	
P	D1400	MICROCIRCUIT/Bluetooth STLC2500C BT2.0+EDR	RYT 123 923/2	MSL 3
S	B4101	MICROPHONE	RLC 509 429	
P	N2000	PROD. ADAPT. CIRCUIT/ASIC Vincenne2 A07	ROP 101 3066/6	MSL 3
S	D2001	PROD. ADAPT. CIRCUIT/ASIC Wanda 10x10 Cu-Plug Thin	ROP 101 3044/4	
S	X2505	SOCKET/CAMERA/CHARLOTTE Mega	RNV 799 011	
P	X2510	VGA camera socket	SXA 109 6434	
P	(N2000)	Sheet (Isolation A) "N2000 Vincenne II"	SXA 109 6673	
	(E1002)	Sheet shield 3	SXA 109 6410	



Side	Pos.	Description	Part Number	Comments
S	(A1300)	Marlin Cushion	SXA 109 7029	
S	A1200	RAY UMTS Module	ROA 128 1112/Z	Require calibration (SERP) MSL R5A Special Soldering Process Required - Authorized Repair Centers Only (SL5)
S	A1300	MARLIN GSM RF Module	ROA 128 1806	Require calibration (SERP) MSL R5A Special Soldering Process Required - Authorized Repair Centers Only (SL5)
P	B2100	QUARTZ CRYSTAL UNIT/Crystal 32768HZ +-20PPM 12.5pF	RTM 501 911/2	Require calibration (SERP)
P	N4100	1W OPAMP Pb-Free version	RYT101947/2	



2 Revision History

Rev.	Date	Changes / Comments
A	2006-06-25	First release
B	2006-08-28	Parts Updated
C	2006-08-31	Parts Updated
D	2006-09-22	Ray Part Number Update
E	2006-10-5	Ray & Marlin SL updated
F	2007-01-12	Added N4100