



PART LIST, Electrical

Applicable for Z610i

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1 Part list Main Board (ROA 128 1893/2)

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 1078-2 FEA 209 544 110

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, P	V2204, V2250	DIODE/Zener Diode voltage regulator	RKZ 223 905/2	
	V2200	Zener Diode, ESD protection,	RKZ 223 911/1	
P	N2300	DIODE BRIDGE/USB FILTER NETWORK	RKZ 923 921/1	
P	X2301	HOLDER(MS micro Pico) M2 "Cyndi"	RNK 871 47/3	
S	X2304	CONNECTOR connector, BtB 2 60 pin	RNV 403 883/60	
	X1000	CONNECTOR/CONN/ RF /EXTERNAL	RPT 799 42/1	
S, S	V2202, V2203	TRANSISTOR/P-CHANNEL MOSFET	RYN 122 684/2	
P	D2304	MICROCIRCUIT/USB transceiver and UART MUX	RYT 109 913/1	



Side	Pos.	Description	Part Number	Comments
S	N2400	MICROCIRCUIT/Level shifter	RYT 113 995/1	
	X2200	Battery connector Z610i	SXA 109 6914	
S	E1000	Shield can fence 1 (WANDA)	SXA 109 6995	
S	E1001	Shield can fence 2 (BB-R)	SXA 109 6994	
S	Z1400	FILTER/Airy Bluetooth filter UMTS	RTN 202 932/4	
S	D1400	MICROCIRCUIT/Airy Bluetooth STLC2500C BT2.0+EDR	RYT 123 923/2	MSL 3
		Shield Can Lid BB	SXA 109 6646	
		Shield Can Lid WANDA	SXA 109 6647	
S	B4100	MICROPHONE/fictitious	RLC 509 427/3	
P, P P, P	V2527, V2528 V2529, V2530, V2531, V2532, V2535, V2536, V2537, V2538	LED, White, Pb-free	RKZ 433 957/1	
P	V3110	LED Red Side fire	RKZ 433 924/1	
P	V3111	LED (super brightness) Yellow Green	RKZ 433 918/2	
	A1200	RAY UMTS Module	ROA 128 1112/Z	MSL 5A. Require calibration (SERP) Special Soldering Process Required - Authorized Repair Centers Only (SL5)
S	A1300	MARLIN GSM RF Module	ROA 128 1806/Z1	MSL 5A. Require calibration (SERP) Special Soldering Process Required - Authorized Repair Centers Only (SL5)
S	B2100	QUARTZ CRYSTAL UNIT/Crystal 32768HZ +- 20PPM 12.5pF	RTM 501 911/2	Require calibration (SERP)
S	X2303	SIM B2B Connector	SXA 109 5648	
S	N4100	1W OPAMP Pb-Free version	RYT 101 947/2	

2 Part list Upper PCBA (ROA 128 1892/2)

Side	Pos.	Description	Part Number	Comments
P	C0131	0.07F 3.3V SMD Back up Capacitor	RJE 379 1335/7	
S	N0001	LED Driver	RYT 113 926/1	
P	X0101	VGA camera socket	SXA 109 6434	
S, S	X0001, X0002	Z610i/FPC Connector, ZIF		
S	X0102	25pin	SXA 109 6912	
S, S	X0003, X0103	Z610i/B to B Connector 30pin, Receptacle	RNV 403 889/30	

3 Revision History

Rev.	Date	Changes / Comments
A	2006-09-06	Released Document
B	2006-09-22	Ray Part Number update
C	2006-10-05	Ray & Marlin SL updated
D	2007-01-12	Added N4100
5	2008-07-03	Marlin Update
6	2008-07-03	No Change
7	2008-07-03	No Chnage