



Part List Electrical, Electrical

Applicable for K530i

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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; ≤ 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-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	3.3v Backup Capacitor	RJE 355 1335/7	
S	V2204	DIODE V/ZENER/15V/5%/BYX1 01127_A	RKZ 223 905/2	
P&S	V2303, V4106, V2506, V2509, V2510, V4101	DIODE/Dual ESD protection diode	RKZ 223 914/1	
S	N2300	DIODE BRIDGE/USB FILTER NETWORK	RKZ 923 921/1	



Side	Pos.	Description	Part Number	Comments
S	S2500, S2512, S2513	PUSH-BUTTON SIDE SWITCH	RMD 101 48	
S	X2302	SIM card reader	SXA 109 7798	
S	X2301	HOLDER M2 SMK Memory Card reader	RNK 871 47/3	
P	X2590,	LCD connector, BtB 20 pin (female)	RNV 799 046	
S	X1000	RF Test Connector	RPT 799 53	
P	V2202, V2203	TRANS V/P-Channel_MOSFET/CHI PF8_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	SND 106 20	
S	N1400	Combo BT/FM module	1200-0109	
S	B4101	MICROPHONE	RLC 509 429/5	
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 Mega	RNV 799 011	
P	X2510	VGA camera socket	1200-0374	
S	A1200	RAY UMTS Module	ROA 128 1112/Z	Require calibration (SERP) MSL R5A Special Soldering Process Required - Authorized Repair Centers Only
S	A1300	MARLIN GSM RF Module	ROA 128 1640/Z	Require calibration (SERP) MSL R5A Special Soldering Process Required - Authorized Repair Centers Only
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	
S	X2591	Con X Keyboard 22 Pin BTB, female	RNV 799 036	
S	X1001	Antenna Connector, 3-pol	RPT 799 18	
P	N2200	LDO 1.3V	RYT 113 7810/1	
S	N4202	ASIC TJATTE 3	ROP 101 3074/1	
S	V2504	SWI X2 75V 2X75mA SC75	RKZ 123 904/1	
S	V3101	Transistor, Mosfet, N-Channel, SC88	RYN 123 915/1	



Side	Pos.	Description	Part Number	Comments
S	V3102	SCHOTTKY DIODE.	RKZ 323 907/1	
S	N2402	1-BIT LEVEL TRANSLATOR	RYT 109 914/1	
P	N1500	LED Driver	RYT 113 7847/1	
S	R2316	47Kohm 1% Resistor	REP621105/47	

2 Revision History

Rev.	Date	Changes / Comments
A	2007-07-10	First release
B	2007-10-19	Marlin Part Updated
3	2008-09-27	REP621105/47 Added
4	2009-03-09	Microphone Change RLC 509 429/5 replaces RLC 509 429/4