

Part List, Electrical

Applicable for K530i

Contents

1	Part list Main Board	2
2	Revision History	5



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 rebaked after being opened if floor life is exceeded.

Level 3: 168 hours floor life; </=30 C; 60%rh; shipped in dry pack; must be rebaked after being opened if floor life is exceeded.

Level 4: 72 hours floor life; </=30 C; 60%rh; shipped in dry pack; must be rebaked 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

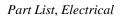
NOTE! RF Calibration by using SERP can only be done by authorized repair centers.

Fence modification according to Working Instruction Electrical.

P=Primary side, S=Secondary side.

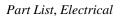
Side	Pos.	Description	Part Number	Comments
	Z3100,			
	Z3101,	FILTER/LC Filter Array		
Р	Z3102	0805 22pF	REV 501 47/1	
		3.3v Backup Capacitor	RJE 355 1335/7	
S	C2217			
		DIODE		
		V/ZENER/15V/5%/BYX1		
S	V2204	01127_A	RKZ 223 905/2	
	V2303,			
	V4106,			
	V2506,			
	V2509,			
	V2510,	DIODE/Dual ESD		
P&S	V4101	protection diode	RKZ 223 914/1	
		DIODE BRIDGE/USB		
S	N2300	FILTER NETWORK	RKZ 923 921/1	

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Side	Pos.	Description	Part Number	Comments
Siuc	S2500,	Description	1 art Mulliber	Comments
	S2500, S2512,	PUSH-BUTTON SIDE		
S	S2513	SWITCH	RMD 101 48	
S S	X2302	SIM card reader	SXA 109 7798	
	//ZOOZ	HOLDER M2 SMK	0747 103 1130	
S	X2301	Memory Card reader	RNK 871 47/3	
	X2590,	LCD connector, BtB 20	RNV 799 046	
Р	7,2000,	pin (female)	1444 700 010	
S	X1000	RF Test Connector	RPT 799 53	
		TRANS V/P-		
	V2202,	Channel_MOSFET/CHI		
Р	V2203	PF8_6053R	RYN 122 684/2	
		MICROCIRCUIT/USB		
		transceiver and UART		
S	D2304	MUX	RYT 109 913/1	
		MICROCIRCUIT/Level		
S S	N2400	shifter	RYT 113 995/1	
S	X2200	Battery connector	SND 106 20	
S	N1400	Combo BT/FM module	1200-0109	
S	B4101	MICROPHONE	RLC 509 429/4	
		PROD. ADAPT.	1120 000 1207 1	
		CIRCUIT/ASIC		
Р	N2000	Vincenne2 A07	ROP 101 3066/6	MSL 3
		PROD. ADAPT.		
		CIRCUIT/ASIC Wanda		
S	D2001	10x10 Cu-Plug Thin	ROP 101 3044/4	
		SOCKET/CAMERA		
S	X2505	Mega	RNV 799 011	
Р	X2510	VGA camera socket	1200-0374	
				Require calibration (SERP)
				MSL R5A
				Special Soldering Process
S	A1200	RAY UMTS Module	ROA 128 1112/Z	Required
3	A1200	RAT OWTS Woulde	KUA 120 1112/2	- Authorized Repair Centers Only Require calibration (SERP)
				MSL R5A
				Special Soldering Process
		MARLIN GSM RF		Required
S	A1300	Module	ROA 128 1640/Z	- Authorized Repair Centers Only
		QUARTZ CRYSTAL		
		UNIT/Crystal 32768HZ		
Р	B2100	+-20PPM 12.5pF	RTM 501 911/2	Require calibration (SERP)
		1W OPAMP Pb-Free		
Р	N4100	version	RYT101947/2	
		Con X Keyboard 22 Pin		
S	X2591	BTB, female	RNV 799 036	
		Antenna Connector, 3-		
S	X1001	pol	RPT 799 18	
Р	N2200	LDO 1.3V	RYT 113 7810/1	
S	N4202	ASIC TJATTE 3	ROP 101 3074/1	
	\ (OF 6)	SWI X2 75V 2X75mA	DI/7 400 05 : '	
S	V2504	SC75	RKZ 123 904/1	





Side	Pos.	Description	Part Number	Comments
		Transistor, Mosfet, N-		
S	V3101	Channel, SC88	RYN 123 915/1	
S	V3102	SCHOTTKY DIODE.	RKZ 323 907/1	
		1-BIT LEVEL		
S	N2402	TRANSLATOR	RYT 109 914/1	
Р	N1500	LED Driver	RYT 113 7847/1	



2 Revision History

Rev.	Date	Changes / Comments
Α	2007-07-10	First release
В	2007-10-19	Marlin Part Updated