



Part List, Electrical

Applicable for W960

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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 1078/2-FEA 209 544/118.

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
S	B2000,	Crystal 32768HZ +-20PPM	RTM501911/1	Require calibration (SERP)
S	B2500	12.5pF		MSL 1
S	B2510	Crystal 13MHz 5*3,2mm	RTM501907/9	Require calibration (SERP)
P	B2680	12.000 MHz crystal osc.	RTM501919/1	MSL 1
P	B6000	Crystal 44 MHz, 2.5*3.2mm	RTM501917/1	Require calibration (SERP)
S	D1100	Marlin/GSM RF-module	ROA1281640/Z	MSL 1
S	D2005	ASIC Wanda 10x10	ROP1013044/4	Require calibration (SERP)
S	D2501	2-ind and gate	RYT326906/1	MSL 5A
P	D2663	USB on-the-go (OTG) Transceiver	RYT109917/2	Require calibration (SERP)
				MSL 5A



Side	Pos.	Description	Part Number	Comments
P	D2665	ASIC ELIN (KNATTE 3)	ROP1013100/1	MSL 1
S	D5001	MICROPHONE	RLC509440	
P	D6000	Level Shifter	RYT113996/1	
S	N2000	Asic Vincenne2 (Pb-free)	ROP1013066/5	Baseband AND SERP calibration MSL 3
S	N2662	ESD protection for USB	RKZ923929/1	
S	N3001	Bluetooth module BGB204 with WLAN	ROK103008/2	MSL 3
S S	N4021 N4040	Step-down DC/DC converter	RYT113916/1	
S	N4030	2.8V 150mA LINE REGULATOR LeadFree MicroSMD	RYT113904/10	
P	N4050	LDO 120mA Linear regulator	RYT113929/1	
S	N4070	LED Driver	RYT1137808/1	
P	N4071	Single gate	RYT326916/1	
P	N5010	ASIC TJATTE 3	ROP1013074/1	MSL 1
P	N5500	Stereo Headphone Amplifier	RYT101950/1	MSL 1
S	N5505	Audio Amplifier	RYT1017841/2	
P	N5508	FM-radio w RDS	RYT109916/2	MSL 3
P	N6000	W-Lan Module 802.11b	ROK103005/1	MSL 4
S S S	S2125, S2821, S2822	Side push switch	RMD10116/9	
S	S2820	JOG DIAL	RMH99913	
S S P P	V2125, V4001, V5000, V5001	Diode, SSM series	RKZ123907/1	
P	V2181			
P	V2191	Dual Red/Green SMD	RKZ433666/1	
P	V2663	ESD Protector 5.6V	RKZ223903/2	
S	V4004	Diode, Schottky	RKZ123911/1	
S	X1001	External RF Connector	RPT79942	
S S S S	X1010, X1011, X1012 X6001	Internal Antenna Connector	RPV79941	
P	X1021	Connector	SND10625	
P	X2741	Connector 22 pin BtB	RNV799045/22	



Side	Pos.	Description	Part Number	Comments
S	X2743	Camera Socket	RNK87157	
P	X2820	Display connector	RNV79989	
P	X2821	Keyboard connector	RNV79933/24	
P	X2825	SPRING CONNECTOR, 5 PINS	RPT79964	
S	X3001,	Antenna Switch	RPT79947	
S	X6000			
S	X4000			
S	Y2500	2Gb NAND+1Gb SDRAM	RYT118968/1	PoP (on top of D2500) MSL4
		Shielding Can Lid	SXA1097064/11	
		Shielding Can Lid	SXA1097064/22	
		Shielding Can Lid	SXA1097064/33	
		Shielding Can Lid	SXA1097064/44	
		Shielding Can Lid	SXA1097064/55	

2 Revision History

Rev.	Date	Changes / Comments
1	2007-11-29	Initial release
2	2008-06-30	D2500 removed
3	2008-08-01	Updated Side positions