



# Part List, Electrical

Applicable for W850 and W830

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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;  $\leq 30$  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;  $\leq 30$  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;  $\leq 30$  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;  $\leq 30$  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;  $\leq 30$  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;  $\leq 30$  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;  $\leq 30$  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/FEA 209 544/104.

**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	N4202	Asic Tjatte 3	ROP 101 3074/1	
S	C2278	1uF 6.3Vdc 2A 0603	REV 501 107/201	<b>W850 ONLY. Not used on W830.</b>
S, S,	V2204, V2221	Zener Diode voltage regulator 15V 5%	RKZ 223 905/2	
S, P, S,P, P,S, S	V2303, V2500, V4101,V2510, V2511, V2305, V2505	Dual ESD protection diode	RKZ 223 914/1	
S, P	V3113, V3114	Dual ESD protection diode	RKZ 223 914/2	
S	N2300	USB FILTER NETWORK	RKZ 923 921/1	
S, S, S	S2500, S2502, S2503	Side push switch	RMD 101 16/9	



Side	Pos.	Description	Part Number	Comments
S	X2302	Sim Reader	RNK 871 53	
P	X2305	Memory stick Duo reader	RNK 871 40	
S	X1000	External Antenna connector	RPT 799 53	
S, S	V2202, V2203	P-CHANNEL MOSFET	RYN 122 684/2	
S	D2304	USB transceiver and UART MUX	RYT 109 913/1	
S	N2402	1-BIT LEVEL TRANSLATOR	RYT 109 914/1	W850 ONLY. Not used on W830.
P	N2200	LDO 1.3V	RYT 113 7810/1	
S	N2201	LDO 1.5V	RYT 113 7810/2	
S	N2400	Level shifter	RYT 113 995/1	
S	X2200	Battery connector	SND 106 22	
P	N2000	ASIC Vincenne2 A07 1.8V Cu-Plu	ROP 101 3066/6	Require calibration MSL 3
S	D2001	ASIC Wanda 10x10 Cu-Plug Thin	ROP 101 3044/4	W850 ONLY. Not used on W830. MSL 3
S	X2505	SOCKET/CAMERA	RNV 799 011	
S	H2300	IRDA 6,7*2,45*1,7	RKZ 923 919/1	
S	X3100	Led-Flash pogopin	RPT 799 54	
P	X2500	100 Pin BtB (female)	RNV 799 87	
P	X2501	Keyboard connector, BtB 20 pin	RNV 799 55	
P	K2500	Photointerrupter	RKZ 923 920/2	
S	V3110	Led Red Side fire	RKZ 433 924/1	
S	E1001	Shield can lid, Bb Prim	SXA 109 6729	
P	E1000	Shield can lid, Bb Sec	SXA 109 6035	
S	X1002	Int. Antenna Connector	RPT 799 51	
P	C2217	Back-up Battery	RJE 355 1335/7	
S	V2504	Diode	RKZ 123 904/1	
S	D1400	Bluetooth E-STLC2500C4	RYT 123 923/2	MSL 3
S	E1002	Shield Can BT	SXA 109 6043	
S	N2202	Voltage regulator 2,8V	RYT 113 7824/1	
P	N2203			
S	N2204			
P	N2305			
S	N3100	EMI filter	RYT 109 933/1	
P	N4100	1W OPAMP Pb-Free version	RYT101947/2	
P	N2600	Single chip elec tuned FM stereo radio	RYT109905/3	
P	D3100	Octal bus transceiver	RYT109915/1	
P	D3101			
S	A1300	Marlin module	ROA 128 1640/Z	W850 ONLY. Not used on W830. Require calibration (SERP) MSL 5A



Side	Pos.	Description	Part Number	Comments
P	B2100	QUARTZ CRYSTAL UNIT/Crystal 32768HZ +-20PPM 12.5pF	RTM 501 911/1	Require calibration (SERP)
S	N1100	Dolphin3	ROK103015/Z	<b>W830 ONLY. Not used on W850.</b> Require calibration (SERP) <b>MSL 5A</b>

## 2 Revision History

Rev.	Date	Changes / Comments
A	2006-09-20	Initial revision
B	2006-09-25	Deleted components
C	2006-10-13	Deleted components
D	2006-11-07	Added A1200, A1300 and B2100
E	2006-11-10	Added support for W830
F	2006-12-04	Added component V2504
G	2007-02-14	Changed Ray and Marlin to SL4 and added Dolphin3
H	2007-03-20	Removed Ray
J	2007-05-24	Added N4100
K	2007-06-11	Added calibration to Vincenne2 N2000 and component N2202, N2203, N2204, N3100
L	2007-12-03	Added N2600, D3100, D3101 and N2305