

Part List, Electrical

Applicable for P1i and P1c

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1 Part list Main Board (ROA 219 5820)

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.

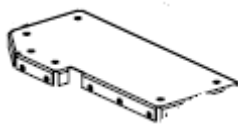

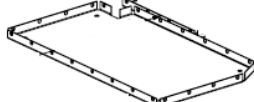
Component placing will be found in document 1078-2 FEA 209 544 126

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	QUARTZ CRYSTAL UNIT/Crystal 32768HZ		
S	B2500	+20PPM 12.5pF	RTM 501 911/1	MSL 1
S	B2510	CRYSTAL 13MHz 5*3.2mm	RTM 501 907/9	MSL 1
P	B6000	CRYSTAL 44MHz 2.5*3.2mm	RTM 501 917/1	MSL 1
S	D2005	ASIC Wanda 10x10 (Cu-Plug, Thin Ni, Pb-free)	ROP 101 3044/4	
S	D2501	2-INP AND GATE Ultra Low Power	RYT 326 906/1	
P	D2663	USB OnTheGo Transceiver	RYT 109 917/2	



Side	Pos.	Description	Part Number	Comments
P	D2665	ASIC ELIN (KNATTE 3)	ROP 101 3100/1	MSL 1
S	D5001	MICROPHONE/W710I	RLC 509 440	
P	D6000	Level shifter	RYT 113 996/1	
S	N2000	ASIC VINNCENNE A07 1.8V CU-PLUG	ROP 101 3066/5	Baseband AND SERP calibration MSL 3
P	H2660	IRDA MODULE	RKZ 923 930/3	
S	N2662	ESD protection for USB	RKZ 923 929/1	
S	N3001	BLUETOOTH MODULE WITH WLAN SW	ROK 103 008/2	MSL 3
S	N4070	LED driver LCD	RYT 113 7808/1	
S	N4071	Single gate 74LVC1G32 Leadfree	RYT 326 916/1	
P	N5010	ASIC TJATTE 3	ROP 101 3074/1	MSL 1
P	N5500	STEREO HEADPHONE AMPLIFIER	RYT 101 950/1	MSL 1
S	N5505	CLASS AB AUDIO AMPLIFIER	RYT 101 7841/2	MSL 1
P	N5508	FM-RADIO W RDS (Si4703 GM)	RYT 109 916/2	MSL 3
P	N6000	WLAN MODULE	ROK 103 005/1	MSL 4
S	S2125	CYNDI/SIDE PUSH SWITCH	RMD 101 16/9	
S	S2821			
S	S2820	JOG DIAL	RMH 999 13	
S	X1001	CONN/RF/EXTERNAL	RPT 799 42	
S	X1010	Internal Antenna Connector	RPV 799 41	
S	X1011			
S	X1012			
S	X6001			
S	X2743	SOCKET, 3MP CAMERA	RNK 871 57	
S	X3001, X6000	Mechanical antenna switch	RPT 799 47	
S	X4000	BATTERY CONNECTOR	SND 106 20	
P		SHIELDING LID	SXA 109 7064/11	
P		SHIELDING LID	SXA 109 7064/22	
S		SHIELDING LID	SXA 109 7064/33	



Side	Pos.	Description	Part Number	Comments
S		SHIELDING LID	SXA 109 7064/44	
S		SHIELDING LID	SXA 109 7064/55	
P	V2181	Dual Red/Green SMD	RKZ 433 666/1	At system connector
P	V2191			
P	V2663	ESD Protector 5.6V(Pb-free)	RKZ 223 903/1	
S	V4001	Diode, 40V, 80mA,	RKZ 123 907/1	
S	V2125	SSM		
P	V5000	series, 150 ns		
P	V5001			
S	V4004	Diode, Shottky	RKZ 123 911/1	
S	D1100	MARLIN /GSM MODULE RF MODULE	ROA 128 1640/Z	SERP MSL 4 Special Soldering Process Required - Authorized Repair Centers (SL4) Only
S	N1400	RAY UMTS –MODULE	ROA 128 1112/Z	SERP MSL 4 Special Soldering Process Required - Authorized Repair Centers (SL4) Only
S	N1400	Ray Module 2.5	ROA 128 2082/Z	SERP MSL 4 This part is Only for P1c UMTS NOT working in P1c
S	N4021	Step-down DC/DC	RYT 113 916/1	
S	N4040	converter		
S	N4030	2.8V 150mA LINE REGULATOR LeadFree MicroSMD	RYT 113 904/10	
P	N4050	LDO 120mA Linear regulator	RYT 113 929/1	
P	X2821	Connector 24 pin	RNV 799 33/24	
P	X2741	Connector 22 pin BtB	RNV 799 045/22	
P	X2820	Display connector	RNV 799 89	

2 Revision History

Rev.	Date	Changes / Comments
A	2007-07-12	Initial release
B	2007-09-03	Marita removed
C	2007-10-18	Added component V2125
D	2007-10-31	Removed X2125, X2126, X2127
E	2007-11-15	Added V5000, V5001, N4021, N4040, N4030, N4050, X2821, X2741, X2820
6	2008-01-11	Changed RKZ223903/2 to RKZ223903/1
7	2009-01-09	Deleted D2500 and Y2500