



Part List, Electrical

Applicable for C905

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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 **1218-1753**.

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	C2214	0,07 F 3.3 V Capacitor	RJE3551335/7	
S	C4416	Capacitor Ceramic 10,0 uF +/-20% 6,3 V K0603	RJC5164038/1	
S	L2200	Ind WW 4,7 uH +/-20% 2,95x2,95x0,9	1201-2245	
S	L2201	120ohm 0603 2A 50mohm Bead	REG70605/15	
S	L2401	Filter 0.0Hz 0402	REG70618/20	
S	L2402	Filter 0.0Hz 0402	REG70618/20	
S	L2403	Filter 0.0Hz 0402	REG70618/20	
S	L2404	Filter 0.0Hz 0402	REG70618/20	
S	L2406	Filter	1209-2182	
P	L2407	Filter 1.0 GHz 0402	REG70618/18	
S	L2408	Transformer	REG70609/06	



Side	Pos.	Description	Part Number	Comments
S	L4200	Inductor Chip	1200-6306	
S	N1210	IC Linear	1203-5870	
P	N1211	LDO Regulator 300mA low noise	1204-5903	
P	N1300	Bluetooth and RDS FM radio tuner	1200-9840	
P	N1510	Mod Radio WLAN R041D	1200-6173	Not on EDGE variant, C905c
S	N2200	IC Vreg SON 6-Pin 2x2x0.8mm	1204-4655	
P	N2201	LDO, 3.0V, 150mA, CS-4	RYT113955/7	
S	N2205	LDO regulator 500mA	RYT1137807/1	
S	N2206	LDO Dual 2.8 V & 1.8 V	1201-6517	
P	N2208	LDO, 3.0V, 150mA, CS-4	RYT113955/7	
P	N2209	LDO regulator 150mA low noise	RYT113955/4	
P	N2212	LDO regulator 150mA	1200-1974	
S	N2213	Step Down Converter 500mA	1208-4678	
P	N2300	ASIC Power Management	1203-2790	
P	N2410	IC IF 3.5x3.5x0.8 thin QFN	1200-1951	
P	N2411	ASIC Accelerometer	1202-1676	
P	N2420	IC IF ISP1508 ES3 (3.5*3.5*0.8)	1200-1694	
P	N2421	IC ESD Prot UDFN 6 2x2 mm	1200-6309	
S	N2422	ASIC Baseband	1201-4120	
P	N2500	Companion chip MP202	1200-1414	
P	N2700	TV Out Graphics Engine	1200-0362	
P	N3100	IC CS-9	1200-9978	
S	N3101	ASIC Tjatte3 CSP20	ROP1013074/1	
P	N4400	IC Dri MAX8830 ES3 4x4 UCSP	1200-1922	
P	R2443	Resistor 0.0 Ohm +/-5% NA mW K0402	REP622001/0	
S	R2448	Resistor 0.0 Ohm +/-5% NA mW K0402	REP622001/0	
P	S2415	Input Switch	1204-1127	
P	S2424	Input Switch	1204-1127	
P	S2453	Input Switch	1204-1127	
P	S2454	Input Switch	1204-1127	
S	V2200	Zener diode	RKZ223911/1	
S	V2202	Trans P-ch FET	RYN122910/1	
S	V2412	Zener Diode voltage regulator 15V 5%	RKZ223905/2	
P	V2414	Diode Protection 5, V SOD-923	1201-8440	
P	V2415	Diode Protection 5, V SOD-923	1201-8440	
P	V2416	Diode Protection 5, V SOD-923	1201-8440	
S	V2417	Zener Diode voltage regulator 15V 5%	RKZ223905/2	
P	V2470	Schottky Barrier Diodes 2PIN	RKZ123905/1	



Side	Pos.	Description	Part Number	Comments
S	V2478,V2479	Diode Protection 6.1 V SOD-882	1207-3081	
S	V3101	Dual ESD protection diode 6V	RKZ223914/2	
S	V4200	Transistor, Mosfet, N- Channel	RYN123915/1	
S	V4201	Diode Schottky 0, SOD523	RKZ123905/2	
P	V4203	Trans Array	1200-0320	
S	V4206	LED Red	RKZ433924/1	
P	X1200	RF probe contact 6 Pin	1203-9688	
S	X1210	Conn Leaf Spring	SND90161	
S	X1211	Conn Leaf Spring	SND90161	
P	X1500	RF probe contact 6 Pin	1203-9688	
P	X1530	Conn other	RNT79925	
S	X1540	Clip BT antenna	1211-1063	
S	X2201	Battery Leaf Connector	1201-0774	
S	X2401	Memory Card Reader	RNK87147/3	Replaceable on EDGE variant only
S	X2402	SIM Card Reader	1202-0528	
P	X2405	System Connector	1202-1195	
S	X2410	BtB Receptacle 24pin	1208-3264	
S	X2411	Clip Camera switch	1208-2932	
S	X3102	Conn Leaf Spring	SND90161	
S	X3103	Conn Leaf Spring	SND90161	
P	X4200	100 pin FPC connector	1204-5252	
P	X4300	Conn BtB 30 pin	1200-1733	
P	X4311	Ground Spring Finger 1 pin	1204-9353	
P	X4312	Ground Spring Finger 1 pin	1204-9353	
P	X4313	Ground Spring Finger 1 pin	1204-9353	
P	X4314	Ground Spring Finger 1 pin	1204-9353	
P	X4315	Ground Spring Finger 1 pin	1204-9353	
S	X4400	Conn BtB 24 pin	1201-5197	
S	X4410	Pogopin Plug 1pin	1208-0925	
S	Z1200	Filter Cer 1.8GHz Band 1,2,5	1215-2996	C905a Band 1,2,5
S	Z1200	Filter Cer 1.8 GHz 1.0x0.5x0.52mm	1212-1502	C905 Band 1,8 and C905c EDGE
P	Z2400	Filter 100, MHz K1210	1201-6833	
P	Z4200	LC Filter	REV50148/1	
P	Z4201	LC Filter	REV50148/1	
P	Z4202	LC Filter	REV50148/1	
S	N1200	Pre-bumped Tiger Band 1,2,5	1218-1883	Calibration required (SERP) Radio module with part number: 1210-9870, is not orderable!



Side	Pos.	Description	Part Number	Comments
S	N1200	Pre-bumped Tiger Band 1,8	1218-1880	Calibration required (SERP) Radio module with part number: 1210-9905, is not orderable!
S	N1200	Pre-bumped Tiger EDGE	1218-1886	Calibration required (SERP) Radio module with part number: 1210-9973, is not orderable!
S	B2100	Crystal 32,768 kHz	RTM501911/1	Calibration required (SERP)

2 Revision History

Rev.	Date	Changes / Comments
1	2008-08-22	First release
2	2008-11-10	Change parts numbers
3	2008-11-17	Update parts
4	2008-12-03	Radio modules and Crystal added
5	2009-04-22	Added V2478 1207-3081 Diode Protection 6.1
6	2009-04-22	Added Z1200 (1215-2996 Band 1,2,5) and (1212-1502 Band 1,8)
7	2009-04-23	C905c Edge added to part Z1200 1212-1502
8	2009-05-19	Added C4416 RJC5164038/1
9	2010-03-11	Added V2479