

TRANSCEIVER ADJUSTMENTS/TUNE-UP PROCEDURE

There are no user accessible adjustments or tuning in this portable cellular transceiver. All necessary adjustments and tuning are performed during manufacture of the product. Any adjustments or tuning after service or repair are done as part of that process as special equipment is required.

PART LIST

No	REFERENCE SYMBOL	Description
1		MAIN PCB
2	J200	BATTERY CONNECTOR
3	J105	DC JACK CONNECTOR
4	J501	RF CONNECTOR
5	J103	USB CONNECTOR
6	U104	SIM CONNECTOR
7	Y201	SLEEP CRYSTAL
8	U300	MSM6050
9	U8	RFR6120
10	U7	RFT6102
11	U203	POWER MANAGEMENT
12	U402	AUDIO AMP
13	U601	POWER AMP
14	D7,D8,D151,D410,D411	VARISTOR
15	D9	VARISTOR
16	D4, D10,D11,D103,D104,D105,D106,D107,D122, D150	VARISTOR
17	D1,D3	SWITCHING DIODE
18	D6	SHOTTKY DIODE
19	D111,D112	KEYPAD LED
20	U801	VCTCXO
21	T650	THERMISTOR
22	Q2, Q4, Q200, Q201	P-CH FET
23	D240	SWITCHING DIODE
24	D125	TVS DIODE
25	D124	TVS DIODE
26	Q202	PNP TRANSISTOR
27	U602	TRANSISTOR
28	Q1	MOSFET
29	U3	VOLTAGE DETECTOR
30	F1	FUSE
31	U701	VCO
32	U106	WHITE LED DRIVER
33	U9	FLASH MEMORY
34	U205	OVER VOLTAGE PROTECTION
35	U102	ESD FILTER
36	D2	ESD FILTER
37	U1	TVS DIODE
38	D12	ESD FILTER
39	U2	COUPLER
40	U4	PLD CONTROLLER
41	Y301	RESONATOR
42	FIL601	TX-RF SAW
43	FIL701	RX-RF SAW
44	FIL501	DUPLEXER
45	U310	USB CONTROLLER
46	U6	LDO
47	U5	LDO

48	J401	EAR JACK
49	J202	MOTOR
50	Q3	MOSFET
51	C501	CAPACITOR
52	C602,C637, C719, C720	CAPACITOR
53	C23	CAPACITOR
54	C632	CAPACITOR
55	C223,C224	CAPACITOR
56	C24,C28,C29,C30,C37,C45,C47,C48,C709,C714	CAPACITOR
57	C4	CAPACITOR
58	C721	CAPACITOR
59	C13,C16,C25,C26,C46,C49,C50,C52,C401,C702,C706,C707,C713,C717	CAPACITOR
60	C43,C44	CAPACITOR
61	C18,C40,C715	CAPACITOR
62	C41	CAPACITOR
63	C27,C201	CAPACITOR
64	C33	CAPACITOR
65	C6,C15,C31,C36,C202,C205,C303,C320,C643,C802,C804	CAPACITOR
66	C327,C341	CAPACITOR
67	C344,C346,C402	CAPACITOR
68	C42	CAPACITOR
69	C32	CAPACITOR
70	C2,C3,C5,C9,C10,C12,C22,C34,C35,C38,C39,C51,C53,C54,C58,C59,C60,C61,C62,C121,C203,C204,C206,C208,C210,C214,C232,C240,C301,C302,C311,C313,C314,C317,C318,C319,C321,C322,C324,C325,C326,C328,C329,C330,C331,C332,C340,C342,C343,C369,C413,C425,C429,C701,C703,C705, C708,C712,C718	CAPACITOR
71	C304	CAPACITOR
72	C631, C634, C803	CAPACITOR
73	C1,C7,C8,C134,C135,C137,C138,C219,C220,C241,C242	CAPACITOR
74	C209	CAPACITOR
75	C218	CAPACITOR
76	C211,C212,C213,C215,C601,C704,C710,C711	CAPACITOR
77	C14,C64,C65,C345,C411,C412,C420,C421,C427	CAPACITOR
78	CT330,CT403	TANTAL CAPACITOR
79	CT1,CT2,CT3,CT8,CT401	TANTAL CAPACITOR
80	CT6	FPCAP
81	CT5	FPCAP
82	L705	INDUCTOR
83	L603	INDUCTOR
84	L502,L601, L703, L704, L707	INDUCTOR
85	L716	INDUCTOR
86	L5	INDUCTOR
87	L706	INDUCTOR
88	L3,L702	INDUCTOR
89	L1, L4, L9, L504	INDUCTOR
90	L6,L7,L301,L302,L303,L701, L708, L801	BEAD(600OHM)

91	R10, R12,R13, R22, R27, R32, R103, R220	RESISTOR
92	R2	RESISTOR
93	R26, R710	RESISTOR
94	R238	RESISTOR
95	R7	RESISTOR
96	R20, R304, R704, R803	RESISTOR
97	R501	RESISTOR
98	R124	RESISTOR
99	R203	RESISTOR
100	R3,R34,R302,R401,R701	RESISTOR
101	R9	RESISTOR
102	R18	RESISTOR
103	R23,R316,R317,R402	RESISTOR
104	R6	RESISTOR
105	R19	RESISTOR
106	R24,R414	RESISTOR
107	R150	RESISTOR
108	R705,R706,R709	RESISTOR
109	R8,R413,R415	RESISTOR
110	R1,R14,R21,R29,R30,R33,R219,R224,R312,R314,R330, R331,R332	RESISTOR
111	R25,R708	RESISTOR
112	R104	RESISTOR
113	R650	RESISTOR
114	R5	RESISTOR
115	R112	RESISTOR
116	R420,R421	RESISTOR
117	R11,R101,R102,R222,R403	RESISTOR
118	R651	RESISTOR
119	R311,R315	RESISTOR
120	R205	RESISTOR
121	R4	RESISTOR
122	R313	RESISTOR
123	R240	RESISTOR
124	R405,R406	RESISTOR
125	R28,R211,R233,R301	RESISTOR
126	SH101	SHIELD CASE RX
127	SH102	SHIELD CASE TX
128	SH103	SHIELD CASE MSM
129	A501	ANTENNA
130		SPEAKER
131		LCD+MIC+EAR PIECE MODULE
132		BATTERY ASS'Y