

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 to perform such adjustments.

Parts List

Reference Symbol	Part Number	Description
C100	21-13743L17	1000pF
C1000	21-13928N01	0.1uF
C1001	21-13743L41	.01uF
C1002	21-13928N01	0.1uF
C1003	21-13743L41	.01uF
C1004	21-13928N01	0.1uF
C1005	21-13743L41	.01uF
C1008	21-13928N01	0.1uF
C101	21-13743L17	1000pF
C102	21-13743L17	1000pF
C1031DNP	21-13743N40	39pF
C1034DNP	21-13743N40	39pF
C1060	21-13928N01	0.1uF
C1061	21-13928N01	0.1uF
C112	21-13743L41	.01uF
C1124	21-13743N40	39pF
C113	21-13743N03	1pF
C114	21-13743N12	2.7pF
C115	21-13743N40	39pF
C117	21-13743L41	.01uF
C119	21-13743N40	39pF
C120	21-13743L41	.01uF
C1200	21-13743L41	.01uF
C1201	21-13743L33	4700pF
C121	21-13743N40	39pF
C122	21-13743N10	2.2pF
C124	21-13743L41	.01uF
C125	21-13743N07	1.5pF
C131	21-13743N03	1pF
C134	21-13743N10	2.2pF
C135	21-13743L41	.01uF
C136	21-13743N50	100pF
C137	21-13743L41	.01uF
C140	21-13743N07	1.5pF
C1403	21-13743L41	.01uF
C150	21-13743N44	56pF
C1500	21-13743L41	.01uF
C1501	21-13743L33	4700pF
C2000	21-13928N01	0.1uF
C2001	21-13928N01	0.1uF
C2002	21-13928N01	0.1uF
C2003	21-13928N01	0.1uF
C2005	21-13928N01	0.1uF
C2006	21-13928N01	0.1uF
C201	21-13928P04	1.0uF
C202	21-13743L41	.01uF

C203	21-13928N01	0.1uF
C204	21-13743N50	100pF
C206	21-13743L41	.01uF
C207	21-13928N01	0.1uF
C208	21-13743N50	100pF
C209	21-13928N01	0.1uF
C210	21-13743L17	1000pF
C211	21-13743L17	1000pF
C212	21-13743L17	1000pF
C219dnp	21-13928N01	0.1uF
C220	21-13743L17	1000pF
C223	21-13928N01	0.1uF
C224	21-13743L17	1000pF
C225	21-13743L17	1000pF
C226	21-13743L17	1000pF
C227	21-13743N50	100pF
C230	21-13743L41	.01uF
C231	21-13928N01	0.1uF
C232	21-13743N16	3.9pF
C233	21-13743N50	100pF
C234	21-13743N50	100pF
C250DNP	21-13743N60	5pF
C253	21-13743L17	1000pF
C254	21-13743N01	0.5pF
C255DNP	21-13743N01	0.5pF
C270	21-13743L17	1000pF
C271	21-13743N19	5.1pF
C272	21-13743N50	100pF
C273	21-13743N36	27pF
C274	21-13743N36	27pF
C280	21-13743L17	1000pF
C281	21-13743L17	1000pF
C290	21-13743N07	1.5pF
C291	21-13743N50	100pF
C292	21-13743L17	1000pF
C293	21-13743L17	1000pF
C294	21-13743N26	10pF
C295	21-13743N10	2.2pF
C296	21-13743N18	4.7pF
C297	21-13743L17	1000pF
C300	23-11049A69	10.0uF
C3000	21-13743N26	10pF
C3001	21-13743N26	10pF
C3002	21-13743L41	.01uF
C3003	21-13928P04	1.0uF
C3004	21-13743L41	.01uF
C3005	21-13743L41	.01uF
C3006	21-13743L41	.01uF

C3007	21-13743L41	.01uF
C3008	21-13743L41	.01uF
C3009	21-13743L41	.01uF
C301	21-13743N50	100pF
C3010	21-13928C04	4.7uF
C3014	21-13743L17	1000pF
C3015	21-13743N40	39pF
C3016	21-13928C04	4.7uF
C302	21-13928N01	0.1uF
C303	21-13743L41	.01uF
C304	21-13743L17	1000pF
C305	21-13743N40	39pF
C306	21-13928C04	4.7uF
C308	21-13743L17	1000pF
C3100	21-13928P04	1.0uF
C312	21-13743L33	4700pF
C313	21-13743N50	100pF
C314	21-13743L33	4700pF
C315	21-13743N26	10pF
C3150	21-13928E03	2.2uF
C316dnp	21-13743N26	10pF
C3200	21-13928C04	4.7uF
C3250	21-13928C04	4.7uF
C3300	21-13928E03	2.2uF
C3350	21-13928C04	4.7uF
C3400	21-13928P04	1.0uF
C3450	21-13743A24	0.33uF
C3802	21-13743A31	1uF
C3803	21-13928C12	10uF
C3804	21-13928C12	10uF
C3820	21-13947B05	33pF
C400	21-13743N22	6.8pF
C401	21-13743N38	33pF
C402	21-13928C04	4.7uF
C4102	21-13947H01	0.1uF
C4110	21-13928N01	0.1uF
C4111	21-13743L03	270pF
C4112	21-13928N01	0.1uF
C4113	21-13743L03	270pF
C412	21-13743N30	15pF
C420	21-13928C04	4.7uF
C4200	21-13743N40	39pF
C421	21-13743Q22	6.8pF
C422	06-62057M01	0
C423	21-13743L41	.01uF
C430	21-13743L41	.01uF
C4301	21-13928C12	10uF
C4302	21-13947H01	0.1uF

C431	21-13743N28	12pF
C4312	23-11049A89	22uF
C4320	21-13928P04	1.0uF
C440	21-13743N40	39pF
C4400	21-13928N01	0.1uF
C4401	21-13928N01	0.1uF
C4402	21-13928N01	0.1uF
C4403	21-13928N01	0.1uF
C4430	21-13928P04	1.0uF
C4431	21-13743N40	39pF
C490	21-13928N01	0.1uF
C491	21-13743L29	3300pF
C492	21-13743N28	12pF
C500	21-13743N50	100pF
C5000	21-13928N01	0.1uF
C5001	21-13928N01	0.1uF
C5002	21-13743N40	39pF
C501	21-13928N01	0.1uF
C502	21-13743N40	39pF
C503	21-13743L29	3300pF
C504	21-13743N50	100pF
C505	21-13743L01	220pF
C506	21-13743L01	220pF
C507	21-13743L17	1000pF
C508	21-13743N40	39pF
C509	21-13743N50	100pF
C50dnp	21-13743N10	2.2pF
C51	21-13743N12	2.7pF
C510	21-13743N65	8pF
C5100	21-13947H01	0.1uF
C511	21-13743N60	5pF
C513	21-13743N50	100pF
C516	21-13743N32	18pF
C517	21-13743N32	18pF
C518	21-13743N03	1pF
C519	21-13743L21	1500pF
C52	21-13743L41	.01uF
C520	21-13743L05	330pF
C5200dnp	21-13743L17	1000pF
C521	21-13928N01	0.1uF
C522	21-13743L17	1000pF
C524	21-13743L17	1000pF
C53	21-13743L41	.01uF
C530	21-13743N44	56pF
C5300	21-13928N01	0.1uF
C5301	21-13928C04	4.7uF
C531	21-13743N50	100pF
C532	21-13743N65	8pF

C54	21-13743N40	39pF
C550	21-13743N50	100pF
C590	21-13928C04	4.7uF
C604	21-13743N40	39pF
C620	21-13743L41	.01uF
C621	21-13743L41	.01uF
C630	21-13743N40	39pF
C631	21-13743N40	39pF
C650	21-13928C04	4.7uF
C6509	21-13743N40	39pF
C651	21-13743N50	100pF
C6510	21-13743N40	39pF
C6512	21-13743N40	39pF
C6515	21-13743N40	39pF
C6516	21-13743N40	39pF
C6518	21-13743N40	39pF
C6519	21-13743N40	39pF
C652	21-13743L41	.01uF
C6520	21-13743N40	39pF
C6521	21-13743N40	39pF
C6522	21-13743N40	39pF
C6523	21-13743N40	39pF
C6524	21-13743N40	39pF
C6526	21-13743N40	39pF
C653	21-13743L41	.01uF
C654	21-13928P04	1.0uF
C7002	21-13928N01	0.1uF
C7003	21-13928N01	0.1uF
C7004	21-13928P04	1.0uF
C7005	21-13743L01	220pF
C7006DNP	21-13928C04	4.7uF
C7007	21-13743L17	1000pF
C7008	21-13743L17	1000pF
C7009	21-13743L17	1000pF
C7012	21-13743L17	1000pF
C7013	21-13743N16	3.9pF
C7016	21-13743N40	39pF
C7021	21-13743L17	1000pF
CR230	48-09877C28	BBY58_06W
CR4200	48-09606E08	RB715F
CR500	48-09948D39	BAR_63-02W
CR501	48-09877C29	BBY58_05W
CR502	48-09877C29	BBY58_05W
D5001	48-09606E08	RB715F
D5002	48-09606E08	RB715F
FL110	91-85673J02	73J02
FL120	91-09239M08	855817
FL130	91-09239M19	SX-B277H-HB0S

FL250	91-09142L10	42L10
FL260	91-85646H09	855893
FL430	91-88203L01	ACPF-7001
FL440	91-03913K16	13K16
FL5000	48-89526L01	CSPEMI-306
FL5001	48-89526L02	CSPEMI-307
FL5002	91-85906G09	LFDP15N0039
FL610	91-87725N01	B4224
FL620	91-85911J12	A0L20901
FL699	91-88000N01	LFZZ32
J10	09-87636K06	CONN_J
J1005	39-88488L01	CONTACT
J1006	39-88488L01	CONTACT
J20	39-86666K01	CONTACT
J30	09-87837L04	CONN_J
J6500	09-88678M02	CONN_J
L100	06-62057M50	RES 100
L1032	24-09154M71	47.0nH
L1034	24-09154M48	100nH
L111	24-09154M48	100nH
L112	24-09154M16	18.0nH
L114	24-09154M17	22.0nH
L120	24-09154M29	2.7nH
L121	24-09154M71	47.0nH
L122	24-09154M71	47.0nH
L123	24-09154M10	5.6nH
L124	24-09154M04	1.8nH
L125	24-09154M34	6.8nH
L126	24-09154M12	8.2nH
L127	24-09154M39	18.0nH
L130	24-09154M09	4.7nH
L132	24-09154M09	4.7nH
L220	24-09154M48	100nH
L221	24-09154M48	100nH
L230	24-85793G06	15nH
L250	24-13926N25	120nH
L251	24-13926N25	120nH
L253	24-13926N26	150nH
L270	24-09154M73	68.0nH
L271	24-09154M73	68.0nH
L272	24-09377M13	56nH
L273	24-09646M22	82.0nH
L274	21-13743N50	100pF
L275	21-13743N50	100pF
L290	24-09154M73	68.0nH
L291	24-09154M73	68.0nH
L292	24-85793G13	56nH
L293	24-85793G13	56nH

L400	24-09646M27	4.7nH
L420	24-85793G04	10nH
L431dnp	24-09154M48	100nH
L440dnp	24-09154M48	100nH
L50	24-09154M12	8.2nH
L500	24-09154M48	100nH
L501	24-09154M37	12.0nH
L502	24-09154M32	4.7nH
L504	24-09154M15	15.0nH
L505	24-09154M15	15.0nH
L506	24-87685L25	7.5nH
L507	24-87685L25	7.5nH
L508	24-09377M19	120nH
L51	24-09154M99	82.0nH
L52	24-09154M99	82.0nH
L53	24-09154M08	3.9nH
L531	24-09154M13	10.0nH
L550	24-09646M98	100nH
L551	24-09154M48	100nH
L552	24-09646M98	100nH
L600	24-09154M75	100nH
L601DNP	24-09154M17	22.0nH
Q300	48-09608E03	DTA114YE
Q3801	48-09579E02	2SK1830
Q3802	48-09579E02	2SK1830
Q3803	48-09579E02	2SK1830
Q3804	48-09579E39	FDG6323L
Q410	48-09939C34	EMB10
Q50	48-09939C39	EMD9
Q500	48-09939C39	EMD9
Q501	48-09939C39	EMD9
Q7001	48-09939C39	EMD9
Q7003	48-09939C34	EMB10
R1000dnp	06-62057M01	0
R1002	06-62057M98	10K
R1060	06-62057M98	10K
R1061	06-62057M98	10K
R1200	06-62057M74	1K
R1201	06-62057M74	1K
R140	06-62057V60	8.25K
R1405	06-62057V60	8.25K
R1407	06-62057N27	150K
R141	06-62057U96	6.2K
R1500	06-62057M74	1K
R1501	06-62057M74	1K
R210DNP	06-62057M01	0
R221	06-62057M98	10K
R231	06-09591M37	10K

R232	06-62057M70	680
R233	06-62057M01	0
R234	06-62057M01	0
R250	06-62057M82	2.2K
R270	06-62057M86	3.3K
R291	06-62057M84	2.7K
R3000dnp	06-62057M01	0
R3015	06-62057M58	220
R304	06-62057M50	100
R305	06-62057M98	10K
R306	06-62057M28	12
R307	06-62057M28	12
R312	06-62057M90	4.7K
R315	06-62057M28	12
R3800	06-62057M78	1.5K
R3801	06-62057M84	2.7K
R3806	06-62057N09	27K
R3807	06-62057M74	1K
R3823	06-62057M90	4.7K
R3824	06-62057M43	51
R3825	06-09591M37	10K
R3826	06-62057N23	100K
R3827	06-62057M90	4.7K
R3828DNP	06-62057M01	0
R3829	06-62057M01	0
R4100	06-09591M29	2.2K
R411	06-62057N09	27K
R4110	06-62057M98	10K
R4111	06-62057N31	220K
R4112	06-62057M98	10K
R4113	06-62057N31	220K
R413	06-09591M37	10K
R430	06-62057V61	12.1K
R4300	06-09591M25	1K
R4306	06-09591M29	2.2K
R4307	06-62057M98	10K
R4312	06-62057M43	51
R4320	06-62057N09	27K
R4333	06-62057N23	100K
R4400	06-62057M98	10K
R4403	06-62057M86	3.3K
R4421	06-62057N09	27K
R490	06-09591M25	1K
R492	06-62057M43	51
R500	06-62057M98	10K
R5000	06-62057M01	0
R5002	06-62057M78	1.5K
R5003	06-62057N13	39K

R5004DNP	06-62057M98	10K
R5005	06-62057M98	10K
R5006DNP	06-62057M01	0
R505	06-62057V61	12.1K
R508	06-09591M37	10K
R510	06-62057M98	10K
R51DNP	06-62057N21	82K
R52	06-62057M98	10K
R520	06-62057M74	1K
R530	06-62057M43	51
R5300	06-09591M49	100K
R535	06-62057M01	0
R602	06-62057M82	2.2K
R6500	06-62057M74	1K
R6501	06-62057M50	100
R6502	06-62057M50	100
R6503	06-62057M85	3K
R6504	06-62057M50	100
R7002	06-62057N11	33K
R7003	06-62057N15	47K
R7005	06-62057M43	51
R7006	06-62057M43	51
R7010	06-62057M74	1K
R7013	06-62057M50	100
R7014	06-09591M07	33
R7017	06-62057M98	10K
R7018	06-62057M98	10K
R7054	06-62057M43	51
RT430	06-85660C01	47K
U1000	51-09962C29	MSM5100
U1001	51-09522E14	TC7S32F
U130	51-09944C50	RFR3300
U200	51-09817F67	IFR3300
U2000	51-02476J01	GE28F640C3
U2001	51-99342A01	GT28F800B
U2002	51-09509A57	HY64UD16322M
U210	51-09572E39	AS179_92
U3000	51-87970L03	PM1000
U3800	51-87970L19	SC801
U400	51-09908K68	PA2001-5C
U420	51-09908K67	PA2001-4C
U4300	51-09731C24	LMV321
U480	58-87694L23	EXB24AT
U490	51-09768D10	AD8314
U500	51-09944C48	RFT3100
U5000	51-09962C21	62C21
U5100	51-87970L15	ISP1104
U5300	51-09817F58	17F58

U5301	51-09731C34	LM4877
U5302	58-85811G07	11G07
U5303	58-85811G09	CP0603A
U5304	51-09817F62	NC7SB3157
U5306	48-09579E29	SI3443
U601	51-09572E39	AS179 92
VR1997	48-09948D44	CSPESED304
VR3800	48-09948D44	CSPESED304
VR7001	48-09948D44	CSPESED304
VR7002	48-09948D44	CSPESED304
Y1000	48-87820K03	SSR48
Y300	48-89695L09	95L09
Y3000	48-09995L05	CC4V
Y650	48-09718L21	MTE3043B