

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 manufacturing 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.

PART LIST

Symbol	Part Number	Description
R5000	0609591M07	RESNET 2x 33 Ω
R1200 R4300 R490	0609591M25	RESNET 2x 1k Ω
R4100	0609591M29	RESNET 2x 2.2k Ω
R1402 R231 R4110 R413 R4420 R508 R5420 R5421 R5422	0609591M37	RESNET 2x 10k Ω
R4111	0609591M53	RESNET 2x 220k Ω
R3860 R3861	0662057B47	RES 0 Ω 0603
R1 R1010 R1012 R1014 R133 R2002 R2003 R2005 R2025 R254 R3200 R4350 R6100 R6201 R6202 R6305 R6308 R6309 R631 R6310 R6311 R6340 R6341 R6720 R6724 R6725 R6801 R6802 R7002 R7100	0662057M01	RES 0 Ω 0402
R306 R307 R315	0662057M28	RES 12 Ω 0402
R471 R492 R530	0662057M43	RES 51 Ω 0402
R150 R304	0662057M50	RES 100 Ω 0402
R3015	0662057M58	RES 220 Ω 0402
R232 R4423	0662057M70	RES 680 Ω 0402
R1500 R1501 R3008 R491 R7050	0662057M74	RES 1k Ω 0402
R5002	0662057M78	RES 1.5k Ω 0402
R1400 R291 R4306	0662057M82	RES 2.2k Ω 0402
R250	0662057M84	RES 2.7k Ω 0402
R270	0662057M86	RES 3.3k Ω 0402
R1002 R221 R3001 R305 R3100 R3121 R3122 R494 R500 R510 R5202 R5320 R5321 R5322 R5323 R5331 R5333 R5334 R5335 R5336 R5337 R5360 R5370 R5423 R640 R641	0662057M98	RES 10k Ω 0402
R312 R3806 R411 R4320 R4421	0662057N09	RES 27k Ω 0402
R430	0662057N13	RES 39k Ω 0402
R3101 R4333	0662057N23	RES 100k Ω 0402
R1407	0662057N27	RES 150k Ω 0402
R141	0662057U98	RES 7.5k Ω 0402 1%
R140 R1405	0662057V60	RES 8.25k Ω 0402 1%
R505	0662057V61	RES 12.1k Ω 0402 1%
RT430	0685660C01	THERMISTOR 47k Ω
J30 J31	0904991M01	MMCX
J1	0987582U01	70-pin CONN
J10	0988716K01	CONN_J
J11	0989043K01	CONN_J
C3450	2113743A24	CAP 330nF 0805
C505 C506	2113743L01	CAP 220pF 0402
C520	2113743L05	CAP 330pF 0402
C210 C211 C212 C220 C224 C225 C226 C253 C256 C273 C274 C276 C277 C280 C281 C292 C293 C297 C3014 C304 C308 C522 C524	2113743L17	CAP 1nF 0402
C519	2113743L21	CAP 1.5nF 0402
C491 C503	2113743L29	CAP 3.3nF 0402
C1201 C1501 C312 C314	2113743L33	CAP 4.7nF 0402

C1001 C1003 C1005 C114 C116 C120 C1200 C121 C122 C124 C1403 C1500 C202 C206 C230 C3002 C3004 C3005 C3006 C3007 C3008 C3009 C303 C423 C430 C610 C7002	2113743L41	CAP 10nF 0402
C113	2113743N01	CAP 0.5pF 0402
C133	2113743N05	CAP 1.2pF 0402
C115 C132	2113743N07	CAP 1.5pF 0402
C295	2113743N10	CAP 2.2pF 0402
C401	2113743N11	CAP 2.4pF 0402
C134 C518 C630	2113743N12	CAP 2.7pF 0402
C290 C400	2113743N13	CAP 3pF 0402
C232 C532	2113743N16	CAP 3.9pF 0402
C296	2113743N18	CAP 4.7pF 0402
C130 C631	2113743N20	CAP 5.6pF 0402
C294	2113743N21	CAP 6.2pF 0402
C271	2113743N22	CAP 6.8pF 0402
C125 C3000 C3001 C315 C606	2113743N26	CAP 10pF 0402
C117 C431 C492 C603 C611	2113743N28	CAP 12pF 0402
C412 C422 C516 C517	2113743N30	CAP 15pF 0402
C131	2113743N34	CAP 22pF 0402
C421	2113743N36	CAP 27pF 0402
C605	2113743N38	CAP 33pF 0402
C112 C3015 C305 C440 C4431 C502 C507 C508 C600 C601 C602 C604 C6503 C6507 C6508 C6509 C6510 C6512	2113743N40	CAP 39pF 0402
C150 C530	2113743N44	CAP 56pF 0402
C204 C208 C227 C233 C234 C272 C291 C301 C313 C500 C504 C509 C513 C531 C550	2113743N50	CAP 100pF 0402
C511	2113743N60	CAP 5.0pF 0402
C510	2113743N65	CAP 8.0pF 0402
C3010 C306 C3200 C3250 C3350 C420 C4401 C650	2113928C04	CAP 4.7 μ F 0805
C3803 C3804	2113928C12	CAP 10 μ F 0805
C3850 C3851	2113928D08	CAP 10 μ F 1206
C3150 C3300 C3550	2113928E03	CAP 2.2 μ F 0805
C1000 C1002 C1004 C1008 C1502 C2000 C2001 C2005 C2006 C2010 C203 C207 C209 C223 C231 C302 C490 C5000 C5001 C5002 C5003 C5004 C501 C5201 C5202 C7001	2113928N01	CAP 100nF 0402
C1400 C201 C3003 C3100 C3400 C3500 C3856 C4430	2113928P04	CAP 1 μ F
C4111	2113947B05	CAP NETWORK 2x 33pF
C1402 C4102 C4110 C4302 C4400 C4420 C5100	2113947H01	CAP 0.1 μ F
C300	2311049A69	CAPP 10 μ F 0805
C4312	2311049A89	CAPP 22 μ F 3216
L124	2409154M04	IDCTR 1.8nH
L130	2409154M06	IDCTR 2.7nH
L132	2409154M07	IDCTR 3.3nH
L123	2409154M08	IDCTR 3.9nH
L630	2409154M09	IDCTR 4.7nH
L120	2409154M10	IDCTR 5.6nH

L131	2409154M11	IDCTR 6.8nH
L115	2409154M12	IDCTR 8.2nH
L501 L531	2409154M13	IDCTR 10nH
L113	2409154M14	IDCTR 12nH
L504 L505	2409154M15	IDCTR 15nH
L112	2409154M16	IDCTR 18nH
L601	2409154M21	IDCTR 47nH
L114	2409154M37	IDCTR 12nH
L450	2409154M42	IDCTR 33nH
L212 L213 L220 L221 L500 L508 L550 L551	2409154M48	IDCTR 100nH
L121	2409154M71	IDCTR 47nH
L270 L271 L290 L291	2409154M73	IDCTR 68nH
L111	2409154M75	IDCTR 100nH
L122	2409154M87	IDCTR 8.2nH
L610	2409154M96	IDCTR 47nH
L272	2409377M13	IDCTR 56nH 0603
L250 L251	2409377M19	IDCTR 120nH
L253	2409414M31	IDCTR 150nH
L420	2409646M82	IDCTR 12nH
L400	2409646M93	IDCTR 3.3nH
L293	2409646M95	IDCTR 56nH
L292	2409646M97	IDCTR 82nH
L552	2409646M98	IDCTR 100nH
L273	2413926N22	IDCTR 68nH
L506 L507	2485793G03	IDCTR 6.8nH
L230	2485793G06	IDCTR 15nH
SH100 SH3000	2687330N02	SHIELD
SH200	2687331N02	SHIELD
SH500	2687332N02	SHIELD
SH400	2687333N02	SHIELD
SH1000	2687523V05	SHIELD
M7000	4009060S03	RUIM CARD Socket
Q3804	4805921T14	FDC638P
Q3802 Q640 Q641	4809579E02	2SK1830
CR3200 CR5000	4809606E08	RB715F
Q300	4809608E03	DTA114YE
Y650	4809718L18	OSC 19.2MHz
CR230	4809877C28	BBY58_06W
CR501 CR502	4809877C29	BBY58_05W
Q3100	4809939C05	UMC5NTL
Q7000	4809939C31	EMD3
Q410	4809939C34	EMB10
Q1500 Q4400 Q501	4809939C39	EMD9
CR500	4809948D39	BAR_63-02W
VR4300	4809948D44	CSPESD304
Y3000	4809995L14	MS2V
VR3100	4813832C28	MMBZ15
VR7000	4886182U05	UMZ6.8EN
Y1000	4887820K03	SSR48
FL5002 FL5003	4889526L01	CSPEMI-306
FL5000 FL5001	4889526L02	CSPEMI-307
Y300	4889695L07	95L07

U2002	5109509A50	HY64UD16162M 16Mbit SRAM
U1001	5109522E14	TC7S32F
U210	5109572E39	AS179_92
U600	5109572E49	MASWSS0060
U4300	5109731C24	LMV321
U490	5109768D10	AD8314
U200	5109817F67	IFR3300
U420	5109908K67	PA2001-4C
U400	5109908K68	PA2001-5C
U500	5109944C48	RFT3100
U130	5109944C50	RFR3300
U5000	5109962C21	62C21
U1000	5109962C29	MSM5100
U3500	5113816A66	NCP512
U5201 U5202	5113837A29	NL37WZ16US
U3000	5187970L03	PM1000
U5100	5187970L15	ISP1104
U2000	5186218J07	GT28F640W30B70 64Mbit FLASH
U470	5885811G07	11G07
U480	5887694L23	EXB24AT
FL440	9103913K16	13K16
FL250	9109142L10	42L10
FL610	9109170T04	855904
FL130	9109239M18	B7708
FL630	9109239M19	SX-B277H-HB0S
FL140	9109474K04	856027
FL260	9185646H09	855893
FL620	9185911J03	11J03
FL430	9188203L01	ACPF-7001