

TRANSCEIVER ADJUSTMENTS/TUNE-UP PROCEDURE

There are no user adjustments or tuning in this mobile cellular transceiver.

Parts List

REFERENCE SYMBOL	PART NUMBER	DESCRIPTION
J104	6201019300	BATTERY CONNECTOR
J103	3721100067	DC JACK CONNECTOR
J401	3721100012	ANTENNA CONNECTOR
J301	3550700019	BUZZER
J101	3721100068	CARKIT
Y201	3530200019	SLEEP CRYSTAL
U201	3200100230	MSM5010FBGA
U601	3200100400	RFT3100-3
U504	3200100102	IFR3000
D159,D170	3411100027	VARISTOR
D176,D340	3411100022	VARISTOR
D173	3411100036	VARISTOR
U102	3200100237	INNER CHARGER
U202	3200100425	FLASH MEMORY
U203	3200100427	SRAM
F401	3520700148	DUPLEXER
U701	3200100163	PLL IC
U703	3530500025	VCTCXO
FIL502	3520700149	RX IF SAW
FIL601	3520700150	TX RF SAW
FIL501	3520700151	RX RF SAW
U502	3115000018	LNA+MIXER
U604	3200100164	RF SWITCH
U602	3012000065	PAM
U702	3530600037	VCO
U704	3200100012	NOT GATE
U111,U112	3200100170	REGULATOR
U115	3200100171	REGULATOR
L701	3540200013	BEAD(600OHM)

L202,L203,L204,L501,L521,L522,L528,L605,L606,L607,L608,L609	3540200006	BEAD(1000OHM)
TH601	3411200005	THERMISTOR
Q320	3110100015	TRANSISTOR
Q101,Q108,Q109,Q112,Q604	3110100002	TRANSISTOR
U114,U603	3110100016	TRANSISTOR
U152	3116000001	TRANSISTOR
U153,U154	3114000040	P-CH FET
U109	3114000018	FET
U151	3200100392	VOLTAGE DETECTOR
U107,U108	3520100001	ESD FILTER
D121	3101000007	ZENER DIODE
D120	3101000009	ZENER DIODE
F102	3620200009	FUSE
F101	3620200004	FUSE
U113	3200100393	LDO
D301	3100500013	DIODE
D178	3104100019	SCHOTTKY DIODE
D101,D102,D171,D172,D177	3104100011	SCHOTTKY DIODE
U119	3200100147	RESET LDO
D501,D502	3100500037	VARIABLE DIODE
D601	3104000007	VARIABLE DIODE
	3042000092	MAIN PCB
U605		HIGH POWER DETECTOR
C520,C532	2125080001	CAPACITOR
C568	2120100002	CAPACITOR
C529	2121290004	CAPACITOR
C547	2121590001	CAPACITOR
C717	2123090001	CAPACITOR
C533	2123390003	CAPACITOR
C524.C654,C655	2120400001	CAPACITOR
C574,C663	2124790001	CAPACITOR

C609	2128080001	CAPACITOR
C526,C577,C656,C657	2121000002	CAPACITOR
C527	2121500001	CAPACITOR
C537,C538,C546,C596	2121800001	CAPACITOR
C635,C658,C659,C665	2122200001	CAPACITOR
C534,C544,C545	2122700001	CAPACITOR
C158,C225,C226	2123000002	CAPACITOR
C610,C773	2123300001	CAPACITOR
C618,C619	2123900002	CAPACITOR
C613,C614	2125600002	CAPACITOR
C250,C403,C625,C627,C629,C637,C639,C643,C644,C653,C666	2121010002	CAPACITOR
C651,C652	2122210001	CAPACITOR
C675	2123310004	CAPACITOR
C186,C622,C636	2124710001	CAPACITOR
C104,C540,C562,C650,C661,C676,C701,C702,C712,C713,C781	2121020004	CAPACITOR
C757	2122720002	CAPACITOR
C634	2123320002	CAPACITOR
C539,C602	2124720006	CAPACITOR
C707	2125620003	CAPACITOR
C103,C129,C201,C202,C204,C229,C231,C239,C241,C245,C247,C301,C550,C551,C552,C554,C555,C556,C557,C563,C603,C633,C641,C714,C715,C716,C786,C787,C788,C789	2121030003	CAPACITOR
C211,C212	2121230001	CAPACITOR
C213,C218,C220,C253	2122230006	CAPACITOR
C528,C531,C553,C566,C567,C569,C571,C572,C576	2123330002	CAPACITOR
C705,C706	2126830001	CAPACITOR
C102,C105,C115,C116,C120,C122,C125,C127,C128,C131,C170,C184,C205,C206,C207,C209,C210,C214,C215,C227,C228,C230,C232,C233,C237,C238,C240,C243,C244,C246,C254,C541,C542,C624,C626,C628,C632,C703,C704,C711,C780	2121040003	CAPACITOR
C124,C216,C219,C221,C222	2121050008	CAPACITOR

C621	2124720003	CAPACITOR
C203,C708,C756	2126840002	CAPACITOR
C559	2121050009	CAPACITOR
C135,C136,C137	2122250002	CAPACITOR
C121,C123	2122250006	CAPACITOR
C208,C530,C536,C548,C560,C573,C575,C642,C645,C647, C660,C680,C683,C684,C686,C688,C698,C699,C782		CAPACITOR
CT174	2031090001	TANTAL CAPACITOR
CT102,CT201,CT203,CT702	2034750002	TANTAL CAPACITOR
CT101,CT202,CT551,CT552,CT601,CT602,CT701,CT742	2031000003	TANTAL CAPACITOR
CT170	2031030001	TANTAL CAPACITOR
L526	3500100006	INDUCTOR
L541,L555	3500100012	INDUCTOR
L616	3500100019	INDUCTOR
L545,L617	3500100031	INDUCTOR
L549	3500100037	INDUCTOR
L403,L543	3500100063	INDUCTOR
L655	3500100413	INDUCTOR
L542	3500100438	INDUCTOR
L520	3500100490	INDUCTOR
L603,L604	3500100166	INDUCTOR
L611	3500100226	INDUCTOR
L517,L525	3500100488	INDUCTOR
L535	3500100489	INDUCTOR
L523	3500100256	INDUCTOR
L544,L602,L625		INDUCTOR
R206,R207,R225,R609,R670,R721,R752,R767,R768	2520000001	RESISTOR
R605,R606	2523308001	RESISTOR
R751	2521009001	RESISTOR
R702,R715	2521209001	RESISTOR
R571	2523009001	RESISTOR
R164,R604	2525109001	RESISTOR

R532	2529109003	RESISTOR
R134,R703,R706,R750,R756,R796	2521000001	RESISTOR
R412	2521000007	RESISTOR
R171	2522000001	RESISTOR
R231	2524700001	RESISTOR
R707	2520681001	RESISTOR
R201,R202,R523,R602,R633,R640,R716,R717,R718	2521001001	RESISTOR
R704	2521201001	RESISTOR
R123	2521601004	RESISTOR
R203,R232	2520182001	RESISTOR
R214,R215,R230	2522201001	RESISTOR
R517	2522401003	RESISTOR
R161	2523301003	RESISTOR
R124	2523301009	RESISTOR
R103	2523901001	RESISTOR
R129	2524021001	RESISTOR
R143,R181	2524701003	RESISTOR
R511,R708	2527501004	RESISTOR
R502	2520822001	RESISTOR
R705	2529101001	RESISTOR
R155,R172,R204,R211,R213,R236,R526,R527,R529,R530, R610,R611,R654	2521002001	RESISTOR
R607	2521212001	RESISTOR
R612	2521602001	RESISTOR
R102,R219,R220,R221,R235	2522002003	RESISTOR
R101,R135,R141	2520223001	RESISTOR
R641	2522202007	RESISTOR
R512,R572	2520273001	RESISTOR
R106,R130,R142,R167,R173,R174,R182,R183,R184,R205, R218,R617	2525102001	RESISTOR
R122,R128,R131,R138,R162,R758	2521003001	RESISTOR
R642	2521003008	RESISTOR

R209,R210	2520184001	RESISTOR
R242,R644	2521803002	RESISTOR
R224,R643	2522403001	RESISTOR
R132	2523003001	RESISTOR
R212	2520514001	RESISTOR
R411	2520000008	RESISTOR
R301	2521508001	RESISTOR
R127,R208,R216,R651,R655,R719,R720		RESISTOR
SH101	6120014500	SHIELD CASE MSM
SH104	6120022300	SHIELD CASE RX
SH102	6120022400	SHIELD CASE TX
SH108	6120022200	SHIELD CASE CX
SH103	6120022500	SHIELD CASE PLL
SH107	6120016100	SHIELD PLATE
SH106	6120008700	SHIELD CASE RX TANK
SH105	6120008800	SHIELD CASE TX TANK
J203	3721100062	EAR JACK
D311,D312,D313,D314,D315,D316,D317,D318,D319,D320	3330600056	KEY PAD LED
Q301,Q302,Q303	3110100014	TRANSISTOR
Q201	3116000023	TRANSISTOR
U301	3110100016	TRANSISTOR
Q321	3110100015	TRANSISTOR
U308,U309	3104200025	TVS DIODE
D204,D205,D206,D331,D336,D337,D341	3411100022	VARISTOR
Q325	3104200026	TVS DIODE
U208	3520100006	ESD FILTER
D215	3104200006	TVS DIODE
L201,L205	3540200013	BEAD(600OHM)
D302	3100500013	DIODE
C405	2123990001	CAPACITOR
C153,C154,C155,C156,C157	2123000002	CAPACITOR

C251,C252	2121010002	CAPACITOR
C302	2121030003	CAPACITOR
C316,C340,C356	2121040003	CAPACITOR
C256,C257,C258	2121050008	CAPACITOR
C311,C312,C313,C314,C315	2124740004	CAPACITOR
C341	2121040028	CAPACITOR
C415		CAPACITOR
L412	3500100004	INDUCTOR
L414	3500100031	INDUCTOR
CT317,CT318,CT319	2032250001	TANTAL CAPACITOR
R268,R340	2520000001	RESISTOR
R321,R322,R323,R324,R325,R326,R327,R328,R329,R330	2521000001	RESISTOR
R341	2524700001	RESISTOR
R311	2522002003	RESISTOR
R334	2522002001	RESISTOR
R233	2525102001	RESISTOR
R333	2524303001	RESISTOR
R342	2521004001	RESISTOR
R304,R308	2526808001	RESISTOR
R320	2522002015	RESISTOR
J302	3530300005	MOTOR
J201	3550500016	EAR PIECE
MIC_PAD2	3550300007	MIC
LCD301	3330500029	LCD MODULE
A401	3571600059	ANTENNA