

UHF Band 1 Radio Parts List

Circuit Ref	Motorola Part No.	Description
B501	0986237A02	Battery Contact Module
C101	2113740F51	100
C102	2113740F22	6.2
C103	2113740F27	10
C104	2113740F22	6.2
C105	2113743N50	100PF
C106	2113740F19	4.7PF
C107	2113740F15	3.3
C108	2113743N50	100PF
C109	2113740F51	100
C110	2113743N50	100PF
C111	2113740F30	13
C112	2180605Z32	47PF
C113	2180605Z16	10PF
C114	2113743N50	100PF
C115	2113743N30	15.0PF
C116	2113743N38	33.0PF
C117	2113743N37	30.0PF
C118	2113743N50	100PF
C119	2113743N50	100PF
C120	2113743N26	10.0PF
C121	2113743N50	100PF
C122	2113743N50	100PF
C123	2311049A18	10UF
C125	2113743N50	100PF
C126	2113743M24	0.1UF,+80%/-20%
C127	2113743L17	1000PF,10%
C128	2113743M08	22000PF
C129	2113743N23	7.5PF
C130	2113743N50	100PF
C131	2113743M08	22000PF
C132	2113743N50	100PF
C133	2113743L17	1000PF,10%
C134	2113743L29	3300PF
C135	2113743M08	22000PF
C138	2113743N50	100PF
C150	2113743M08	22000PF
C151	2113743N50	100PF
C152	2113743M08	22000PF
C160	2113743N50	100PF
C161	2113743M24	0.1UF,+80%/-20%
C165	2113743N50	100PF
C166	2113743N50	100PF
C169	2113743N20	5.6PF
C170	2113743N50	100PF
C171	2113743N50	100PF
C172	2113743E20	10UF
C173	2113743M08	22000PF
C174	2113743N50	100PF

Circuit Ref	Motorola Part No.	Description
C175	2113740L25	20PF
C201	2113743N50	100PF
C202	2113743L17	1000PF,10%
C203	2311049A56	4.7UF
C204	2104993J02	2.2UF
C206	2113740F63	330
C207	2113743N40	39.0PF
C208	2113743N08	1.6PF
C210	2113743N50	100PF
C211	2113743N50	100PF
C212	2113743N50	100PF
C213	2113743N50	100PF
C214	2113743N50	100PF
C217	2104993J02	2.2UF
C218	2113743M24	0.1UF,+80%/-20%
C219	2113743K16	0.220UF,+80%/-20%
C220	2113743N50	100PF
C223	2113743M24	0.1UF,+80%/-20%
C224	2113743M24	0.1UF,+80%/-20%
C228	2311049J11	4.7UF
C229	2113743L17	1000PF,10%
C230	2113743N50	100PF
C231	2113743M24	0.1UF,+80%/-20%
C232	2113743E12	0.047UF
C233	2311049A01	0.1UF
C234	2311049A05	0.47UF
C235	2104993J02	2.2UF
C238	2113741F17	470
C241	2113743N50	100PF
C242	2113743N23	7.5PF
C243	2113743N23	7.5PF
C244	2113740F10	2
C245	2113743N11	2.4PF
C246	2113743N50	100PF
C247	2113743N50	100PF
C248	2113743M24	0.1UF,+80%/-20%
C250	2113743N23	7.5PF
C251	2113743N50	100PF
C252	2113743N26	10.0PF
C253	2113740F09	1.8
C254	2113743N15	3.6PF
C255	2113743N50	100PF
C257	2113743N50	100PF
C258	2113743L41	1000PF
C259	2113743L41	1000PF
C260	2113743N50	100PF
C263	2113743N02	0.75PF
C264	2113743N50	100PF
C273	2113743M24	0.1UF,+80%/-20%
C276	2104993J02	2.2UF
C277	2113743N50	100PF

Circuit Ref	Motorola Part No.	Description
C278	2311049A09	2.2UF
C279	2104993J02	2.2UF
C281	2113743N50	100PF
C285	2113743N50	100PF
C286	2113743M24	0.1UF,+80%/-20%
C289	2113743N50	100PF
C291	2311049A69	10.0UF
C292	2113743M24	0.1UF,+80%/-20%
C293	2113743A27	0.470UF
C294	2113743N50	100PF
C295	2113743N50	100PF
C296	2113743M24	0.1UF,+80%/-20%
C297	2113743L41	1000PF
C298	2113743M24	0.1UF,+80%/-20%
C301	2113743N15	3.6PF
C302	2113743N26	10.0PF
C303	2113740L08	3.9PF
C304	2113743N26	10.0PF
C305	2113743N33	20.0PF
C307	2113743M24	0.1UF,+80%/-20%
C308	2113743N50	100PF
C309	2113743N50	100PF
C310	2113743M24	0.1UF,+80%/-20%
C312	2113743N25	9.1PF
C313	2113743N26	10.0PF
C314	2113743M24	0.1UF,+80%/-20%
C315	2113743N50	100PF
C316	2113740L08	1200PF
C317	2113743N25	9.1PF
C318	2113743N23	7.5PF
C319	2113743N69	1.8PF
C320	2113743N23	7.5PF
C321	2113743N50	100PF
C322	2113743N48	82.0PF
C323	2113743N54	150PF
C324	2113743N33	20.0PF
C325	2113743L41	1000PF
C326	2113743L41	1000PF
C327	2113743N50	100PF
C328	2113743M24	0.1UF,+80%/-20%
C329	2113743M24	0.1UF,+80%/-20%
C330	2113743N26	10.0PF
C331	2113743N50	100PF
C334	2113743M08	22000PF
C336	2113743M24	0.1UF,+80%/-20%
C337	2113743N50	100PF
C338	2113743N30	15.0PF
C339	2180478Z20	1.0UF
C340	2180478Z20	1.0UF
C341	2180478Z20	1.0UF
C342	2180478Z20	1.0UF

Circuit Ref	Motorola Part No.	Description
C343	2113743A23	0.220UF,10%
C344	2113743M24	0.1UF,+80%/-20%
C345	2113743M24	0.1UF,+80%/-20%
C346	2113743M24	0.1UF,+80%/-20%
C347	2113743M24	0.1UF,+80%/-20%
C348	2113743M24	0.1UF,+80%/-20%
C349	2113743E07	0.022UF,10%
C350	2113743L05	330PF,10%
C351	2113743N33	20.0PF
C352	2113743N28	12.0PF
C353	2113743N41	43.0PF
C354	2113743N42	47.0PF
C355	2113743A24	0.330UF
C356	2113743M08	22000PF
C357	2113743A23	0.220UF,10%
C358	2113741A23	1200PF
C359	2109720D14	0.1UF
C360	2113743E07	0.022UF,10%
C361	2113741F49	10NF
C362	2113743M08	22000PF
C363	2311049A40	2.2UF
C364	2113743L41	1000PF
C370	2113743N50	100PF
C374	2113743N50	100PF
C375	2113743N50	100PF
C380	2113743L41	1000PF
C381	2113743N21	6.2PF
C382	2311049A59	10UF
C383	2113743N50	100PF
C384	2113743N44	56.0PF
C385	2113743N44	56.0PF
C386	2113743N50	100PF
C390	2113743N50	100PF
C395	2113743N50	100PF
C397	2311049A05	0.47UF
C400	2113743L41	0.01uF,10%
C401	2113743M24	100000 PF +80-20%
C402	2113743M24	100000 PF +80-20%
C403	2113928D08	10.0UF
C408	2113743N50	100 PF 5%
C409	2113743M24	100000 PF +80-20%
C410	2113928N01	0.1UF 10%
C411	2113743M24	100000 PF +80-20%
C414	2113743M24	100000 PF +80-20%
C415	2185895Z01	0.1uF
C416	2113928N01	0.1UF 10%
C420	2113743L41	0.01uF,10%
C421	2113928N01	0.1UF 10%
C422	2113743M24	100000 PF +80-20%
C423	2113743N50	100PF 5%
C424	2311049A59	10UF 10%

Circuit Ref	Motorola Part No.	Description
C425	2113743M24	100000 PF +80-20%
C426	2113743N50	100PF 5%
C427	2113743N50	100PF 5%
C428	2113743M24	100000 PF +80-20%
C429	2113743M24	100000 PF +80-20%
C430	2113928N01	0.1UF 10%
C431	2113743N50	100PF 5%
C433	2113743L41	0.01uF,10%
C435	2113743M24	100000 PF +80-20%
C440	2113743G26	4.7uF
C441	2113743N50	100PF 5%
C442	2113743E20	10uF
C443	2113928N01	0.1UF 10%
C444	2113743N50	100PF 5%
C445	2113743N50	100PF 5%
C447	2113928N01	0.1UF 10%
C448	2113928N01	0.1UF 10%
C449	2113743N50	100PF 5%
C451	2113743M08	22000PF +80-20%
C452	2113743B29	1.00 µf
C453	2113743N50	100PF 5%
C456	2113743N50	100PF 5%
C471	2113743N50	100PF 5%
C472	2113743N50	100PF 5%
C473	2113743N50	100PF 5%
C475	2113743H14	10.0uF
C476	2113928D08	10.0UF
C479	2113928N01	0.1UF 10%
C480	2113928D08	10.0UF
C481	2113928N01	0.1UF 10%
C490	2113743N50	100PF 5%
C491	2113743N50	100PF 5%
C492	2113743N50	100PF 5%
C493	2113743N50	100PF 5%
C494	2113743N50	100PF 5%
C495	2113743N50	100PF 5%
C496	2113743N50	100PF 5%
C497	2113743N50	100PF 5%
C502	2311049A05	0.47UF
C503	2113743N50	100PF
C505	2113743N50	100PF
C511	2113743N50	100PF
C512	2113743N50	100PF
C513	2113743N50	100PF
C514	2113743N50	100PF
C520	2113743L41	1000PF
C522	2113743L41	1000PF
C523	2113743L41	1000PF
C525	2113743N50	100PF
C526	2113743N50	100PF
C527	2113743N50	100PF

Circuit Ref	Motorola Part No.	Description
C528	2113743N50	100PF
C529	2113743N50	100PF
C530	2113743N50	100PF
C531	2113743N50	100PF
C532	2113743N50	100PF
C533	2113743N50	100PF
C534	2113743N50	100PF
C535	2113743N50	100PF
C536	2113743N50	100PF
C537	2113743N50	100PF
C538	2113743N50	100PF
C544	2113743N50	100PF
C545	2113743N50	100PF
C546	2113743N50	100PF
C547	2113743N50	100PF
C549	2113743N50	100PF
C550	2113743N50	100PF
C551	2113743N50	100PF
C552	2113743N50	100PF
C553	2113743N50	100PF
C554	2113743L41	1000PF
C555	2113743N50	100PF
C701	2113743N50	100PF 5%
C702	2113743N50	100PF 5%
C703	2113743N50	100PF 5%
C704	2113743N50	100PF 5%
C705	2113743N50	100PF 5%
C706	2113743N50	100PF 5%
C707	2113743N50	100PF 5%
C708	2113743N50	100PF 5%
C709	2113743N50	100PF 5%
C710	2113743N50	100PF 5%
C711	2113743N50	100PF 5%
C712	2113743N50	100PF 5%
C713	2113743N50	100PF 5%
C714	2113743N50	100PF 5%
C715	2113743N50	100PF 5%
C716	2113743N50	100PF 5%
C717	2113743N50	100PF 5%
C718	2113743N50	100PF 5%
C721	2113743N50	100PF 5%
C722	2113743N50	100PF 5%
C723	2113743N50	100PF 5%
C724	2113743N50	100PF 5%
C726	2113743N50	100PF 5%
C727	2113743N50	100PF 5%
C728	2113743N50	100PF 5%
C729	2113743N50	100PF 5%
C730	2113743N50	100PF 5%
C732	2113743N50	100PF 5%
CR101	4880973Z02	PIN DIODE

Circuit Ref	Motorola Part No.	Description
CR102	4802245J41	PIN DIODE
CR105	5185963A15	Temperature Sense
CR201	4802233J09	Triple Diode
CR203	4862824C03	Varactor
CR241	4805649Q13	DUAL Varactor
CR242	4862824C01	Varactor
CR243	4862824C01	Varactor
CR251	4802245J22	Varactor
CR301	4862824C01	Varactor
CR302	4862824C01	Varactor
CR303	4880154K03	DUAL COMMON ANODE-CATHODE
CR304	4862824C01	Varactor
CR305	4862824C01	Varactor
CR306	4802245J42	RING QUAD DIODE
CR308	4802245J41	PIN DIODE
CR310	4862824C01	Varactor
CR411	4802245J47	Schottky Diode
CR412	4802245J62	Schottky Diode
CR413	4802245J62	Schottky Diode
CR440	4813833C02	Dual Diode Common Cathode
CR501	4880107R01	Rectifier
CR503	4805729G49	LED RED/YEL
E101	2484657R01	Ferrite Bead
F501	6580542Z01	FUSE 3A
FL201	4805875Z04	16.8MHZ XTAL (Clip)
FL301	4802245J43	Xtal Filter 45.1 MHZ
H101	2680499Z01	Heat Spreader
J101	0985613Z01	RF Jack
J102	0280519Z02	Antenna Nut
J200	0905505Y04	40-Pins Connector
J400	0902042P03	40 Pins Connector
J403	0909059E04	20 Pins Connector
L101	2479990B02	19.61NH,10%
L102	2479990B02	19.61NH,10%
L104	2479990B02	19.61NH,10%
L105	2462587N22	390 NH,10%
L106	2479990A02	7.66NH,10%
L107	2479990G01	33.47NH
L108	2479990A01	4.22NH,10%
L109	2479990B01	11.03NH,10%
L112	2462587N45	22 NH,5%
L113	2413926H09	5.6NH
L114	2462587N45	22 NH,5%
L115	2462587N22	393 NH,10%
L116	2479990A03	9.75NH,10%
L160	2413926H14	15.0 NH
L201	2462587Q20	2.2uH,20%
L202	2462587Q20	2.2uH,20%
L203	2462587Q20	2.2uH,20%
L232	2462587P25	12000 NH

Circuit Ref	Motorola Part No.	Description
L241	2462587V41	390NH,10%
L242	2462587V38	220NH,5%
L243	2460593C01	Teflon Resonator
L251	2462587V28	33NH,5%
L253	2460593C02	Teflon Resonator
L261	2462587V29	39NH,5%
L271	2462587V32	68NH
L273	2462587V28	33NH,5%
L281	2462587V41	390NH,10%
L282	2462587V41	390NH,10%
L301	2479990C01	13.9NH,10%
L302	2479990C01	13.9NH,10%
L303	2462587V26	22NH
L304	2462587V37	180NH,5%
L305	2462587V26	22NH
L306	2479990C01	13.9NH,10%
L307	2479990C01	13.9NH,10%
L309	2479990C02	16.28NH
L310	2462587V36	150NH,5%
L311	2462587N65	750NH,5%
L314	2462587N72	2.2uH,5%
L325	2480646Z20	2.20UH
L330	2462587N64	680NH,5%
L331	2480646Z20	2.20UH
L332	2462587N53	100NH,5%
L340	2462587V41	390NH,10%
L400	2462587Q42	390NH 10%
L401	2462587Q42	390NH 10%
L410	2462587Q42	390NH 10%
L411	2462587Q42	390NH 10%
L505	2462587Q42	390NH,10%
P100	3905643V01	Gnd Contact Finger
PB501	4070354A01	Tact Switch
PB502	4070354A01	Tact Switch
PB504	4070354A01	Tact Switch
PB505	4070354A01	Tact Switch
PCB	6404103G02	UHFB1 PCB Panel
PCB RF	8404077G05	UHFB1 PCB RF
PCB Ctrl	8404051G07	UHFB1 Controller PCB
Q110	4813828A09	RF Power FET
Q111	4802245J50	DUAL NPN
Q210	4802245J50	DUAL NPN
Q241	4805218N63	NPN Transistor
Q260	4802245J50	DUAL NPN
Q261	4802245J50	DUAL NPN
Q301	4802245J44	NPN
Q302	4802245J44	NPN
Q315	4880214G02	NPN
Q320	4805218N63	NPN Transistor
Q400	4809579E18	MOSFET P-Chan
Q403	4813824A17	TSTR MMBT3906

Circuit Ref	Motorola Part No.	Description	Circuit Ref	Motorola Part No.	Description	Circuit Ref	Motorola Part No.	Description	Circuit Ref	Motorola Part No.	Description
Q405	4802245J54	Dual NPN	R306	0662057N23	100K	R428	0662057M10	2.2	SH323	2604082P01	Xtal Filter Shield
Q410	4802245J54	Dual NPN	R307	0662057N23	100K	R429	0662057M98	10K	SH400	2602001P16	Aoba Ctrl Shield
Q417	4802245J50	Dual NPN/PNP	R308	0662057M60	270	R431	0662057N39	470K	T301	2580541Z02	Xfmr Coil
Q502	5180159R01	Dual NPN	R309	0662057M32	18	R432	0662057N16	51K	T302	2580541Z02	Xfmr Coil
Q505	4880214G02	NPN	R310	0662057M60	270	R434	0662057M62	330	U101	5185130C65	LD MOS DRIVER
R101	0662057A34	240	R311	0662057N10	30K	R435	0662057M81	2K	U102	5185765B28	Power Control IC
R102	0680735Z01	0.075	R312	0662057M83	2.4K	R436	0662057M01	0	U201	5185963A27	LVFRACN
R103	0662057M41	43	R313	0662057M62	330	R445	0662057N08	24K	U210	5102463J61	INVERTER
R104	0662057N15	47K	R314	0662057M85	3K	R446	0662057N31	220K	U211	5102463J61	INVERTER
R106	0662057M26	10	R315	0662057N01	12K	R447	0662057N51	1.5MEG	U241	5105750U54	VCO BUFFER
R108	0662057M92	5.6K	R316	0662057A96	91K	R448	0662057N33	270K	U247	5105739X05	REGULATOR LINEAR
R109	0662057N30	200K	R317	0662057M74	1K	R449	0662057N08	24K	U248	5102463J58	3.3V REG
R110	0662057M61	300	R318	0662057A79	18K	R450	0683962T45	68,1 W	U301	5109632D83	LVZIF
R111	0662057M33	20	R319	0662057A29	150	R451	0662057N03	15K 5%	U400	5102463J40	3.3V Reg
R112	0662057M61	300	R320	0662057M74	1K	R457	0662057M98	10K	U404	5185130C53	AsficCmp
R120	0662057N14	43K	R321	0662057M83	2.4K	R460	0662057M90	4.7K	U406	5102463J59	Flash ROM 256K
R130	0662057M98	10K	R322	0662057N30	200K	R463	0662057M61	300	U407	5102463J62	EEPROM 16Kx8
R131	0662057N05	18K	R324	0662057M81	2K	R471	0662057M92	5.6K	U409	5102226J56	UP HC11FLO
R132	0662057N33	270K	R325	0662057M94	6.8K	R472	0662057N12	36K	U420	5102463J44	Audio Pa
R161	0662057M57	200	R327	0662057N11	33K	R473	0662057M26	10	VR432	4805656W08	5.6V Zener
R170	0662057A34	240	R328	0662057M12	2.7	R475	0662057M01	0	VR433	4805656W08	5.6V Zener
R171	0662057N14	43K	R329	0662057M01	0	R476	0662057N08	24K	VR439	4880140L17	12V Zener
R172	0662057A32	200	R339	0662057M01	0	R477	0662057M74	1K	VR440	4802245J73	6.8V Zener
R173	0662057N29	180K	R340	0662057M94	6.8K	R478	0662057M98	10K	VR441	4802245J73	6.8V Zener
R175	0662057B67	6.2	R342	0662057N23	100K	R481	0662057N08	24K	VR442	4802245J73	6.8V Zener
R176	0662057B67	6.2	R343	0662057M26	10	R492	0662057M01	0	VR443	4802245J73	6.8V Zener
R201	0662057N21	82K	R344	0662057N01	12K	R498	0662057M98	10K	VR444	4802245J73	6.8V Zener
R202	0662057N23	100K	R345	0662057M98	10K	R499	0662057M98	10K	VR445	4880140L15	10V ZENER
R204	0662057N15	47K	R346	0662057N17	56K	R501	0662057M70	680	VR446	4880140L15	10V ZENER
R231	0662057M52	120	R347	0662057M74	1K	R502	0662057M56	180	VR447	4880140L15	10V ZENER
R232	0662057M69	620	R348	0662057M87	3.6K	R505	0662057M98	10K	VR448	4880140L15	10V ZENER
R233	0662057M68	560	R349	0662057C01	0	R506	0662057N15	47K	VR449	4880140L15	10V ZENER
R241	0662057M32	18	R350	0662057N23	100K	R507	0662057M01	0	VR450	4880140L15	10V ZENER
R242	0662057M57	200	R351	0662057C01	0	R510	0662057M01	0	VR501	4813830A18	6.8V Zener
R243	0662057M98	10K	R352	0662057M86	3.3K	R702	0662057M01	0	VR506	4802245J73	6.8V Zener
R244	0662057N01	12K	R355	0662057M01	0	RT300	0680590Z01	33K			
R245	0662057M59	240	R400	0662057N15	47K	RT400	0680590Z01	Thermistor 33K			
R248	0662057M37	30	R406	0662057N20	75K	S501	4080710Z01	Channel Switch			
R251	0662057M32	18	R409	0662057M98	10K	S502	1880619Z02	Volume Switch			
R252	0662057M62	330	R410	0662057N23	100K	SH100	2680507Z01	Harmonic Filter Shield			
R253	0662057M95	7.5K	R411	0662057M98	10K	SH101	2680510Z01	PA Shield			
R254	0662057M95	7.5K	R413	0662057M01	0	SH201	2680511Z01	Synthesizer Top Shield			
R255	0662057M89	4.3K	R414	0662057V34	180K	SH202	2680511Z01	Synthesizer Bottom Shield			
R256	0662057M37	30	R415	0662057V26	91K	SH241	2604120G01	VCO Top Shield			
R260	0662057M74	1K	R416	0662057N13	39K	SH242	2680514Z01	VCO Bottom Shield			
R300	0662057M82	2.2K	R418	0662057M01	0	SH301	2680554Z01	Rx Pre-Filter Shield			
R301	0662057N23	100K	R421	0662057M81	2K	SH302	2680555Z01	Rx Post-Filter/RF Amp Shield			
R302	0662057N23	100K	R423	0662057N39	470K	SH303	2680509Z01	Mixer Shield			
R303	0662057M74	1K	R424	0662057N12	36K	SH304	2680624Z01	Mixer Diode Shield			
R304	0662057N01	12K	R425	0662057N10	30K	SH321	2680508Z01	ZIF 2nd LO Shield			
R305	0662057M67	510	R427	0662057M84	2.7K	SH322	2680514Z01	ZIF Shield			

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