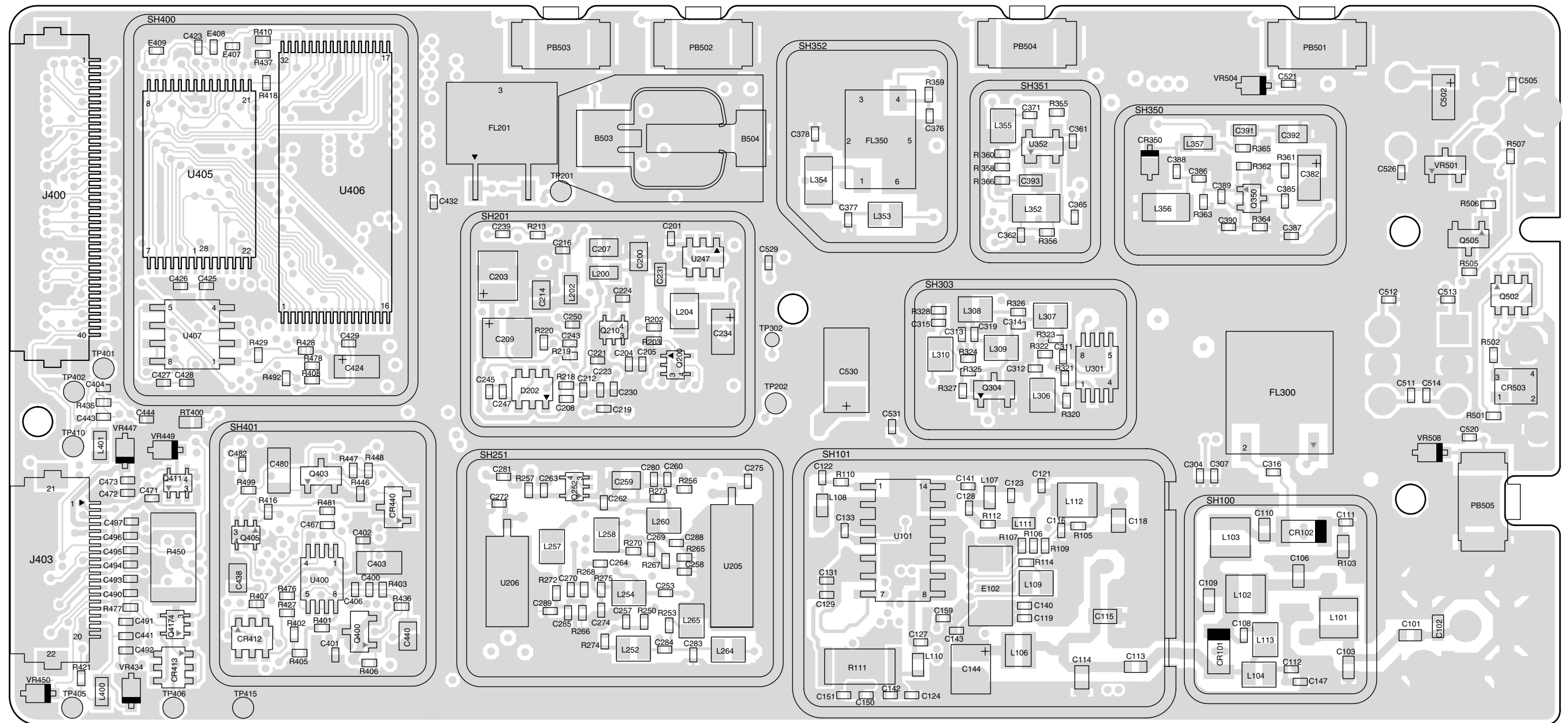
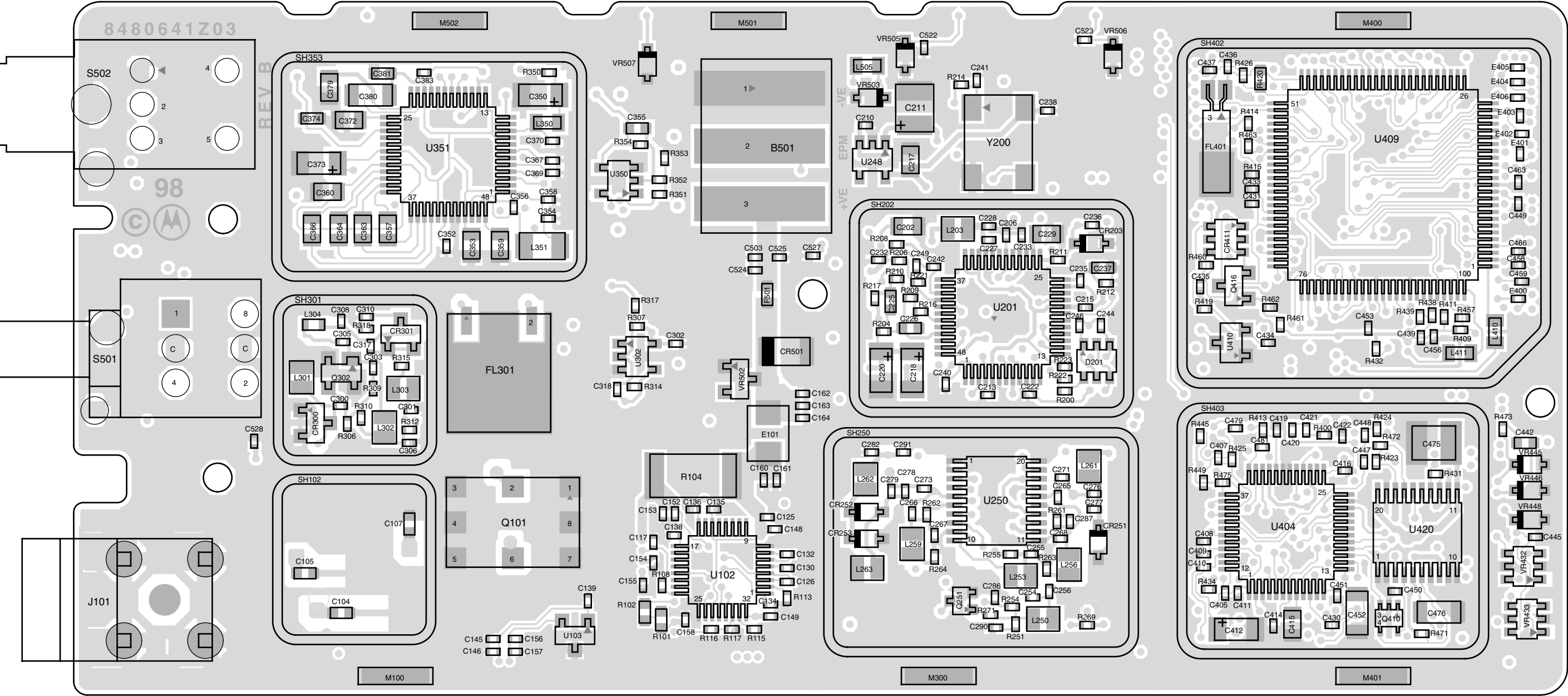


2.0 800MHz PCB 8480641Z03 / Schematics



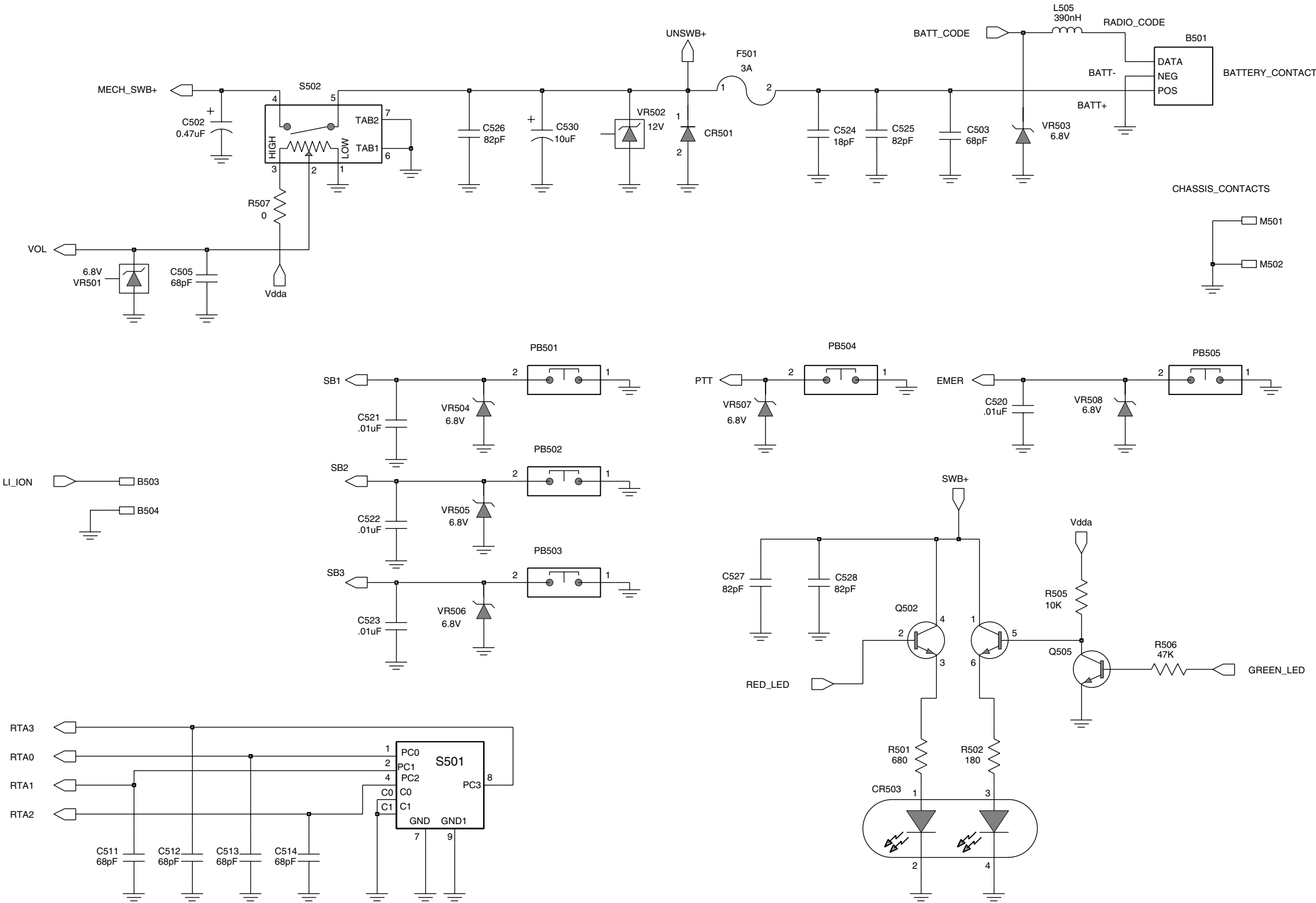
ZMY0130993-O

800 MHz (806-870MHz) Main Board Top Side

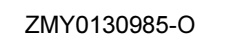


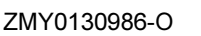
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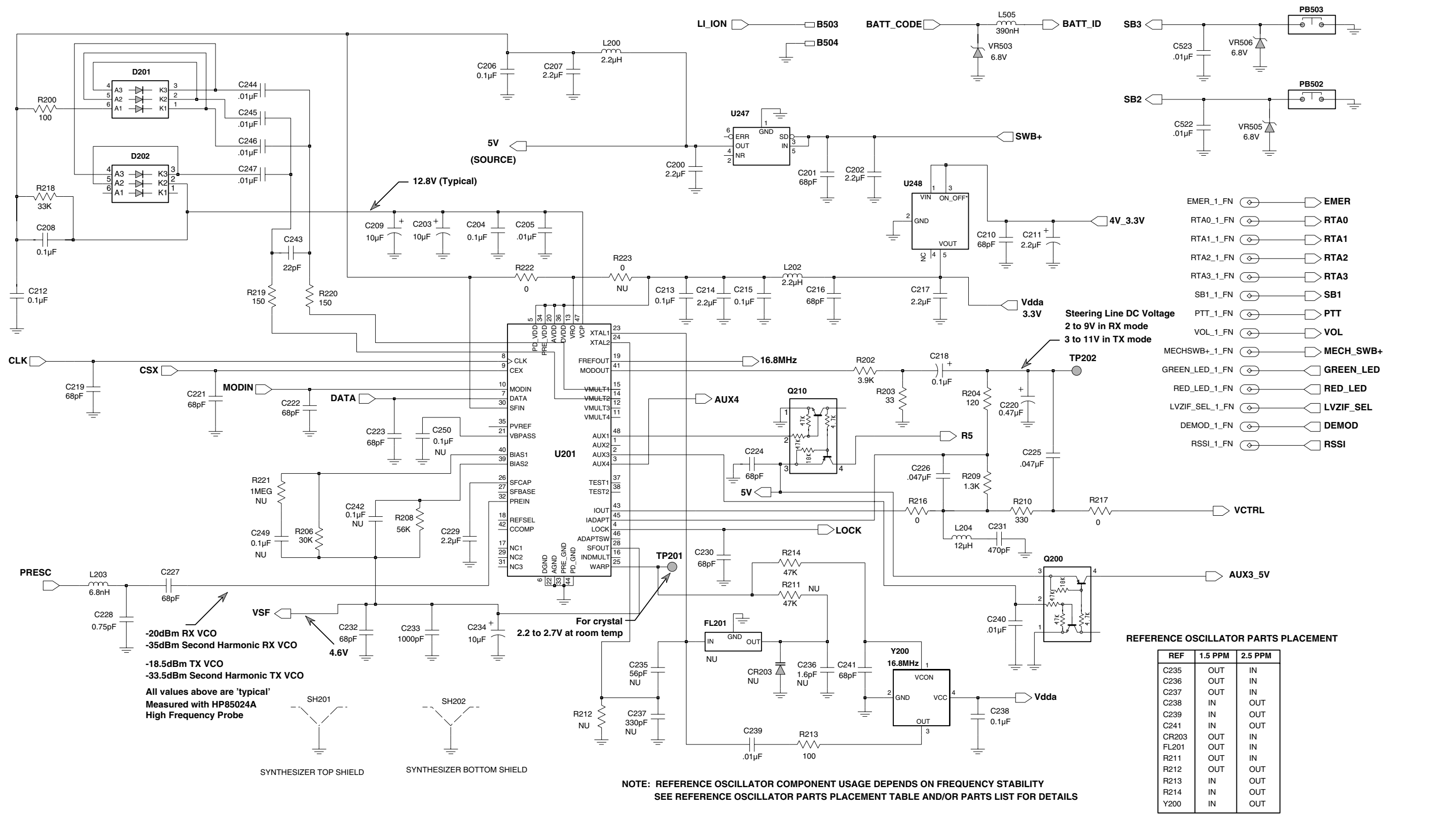
800 MHz (806-870 MHz) Main Board Bottom Side



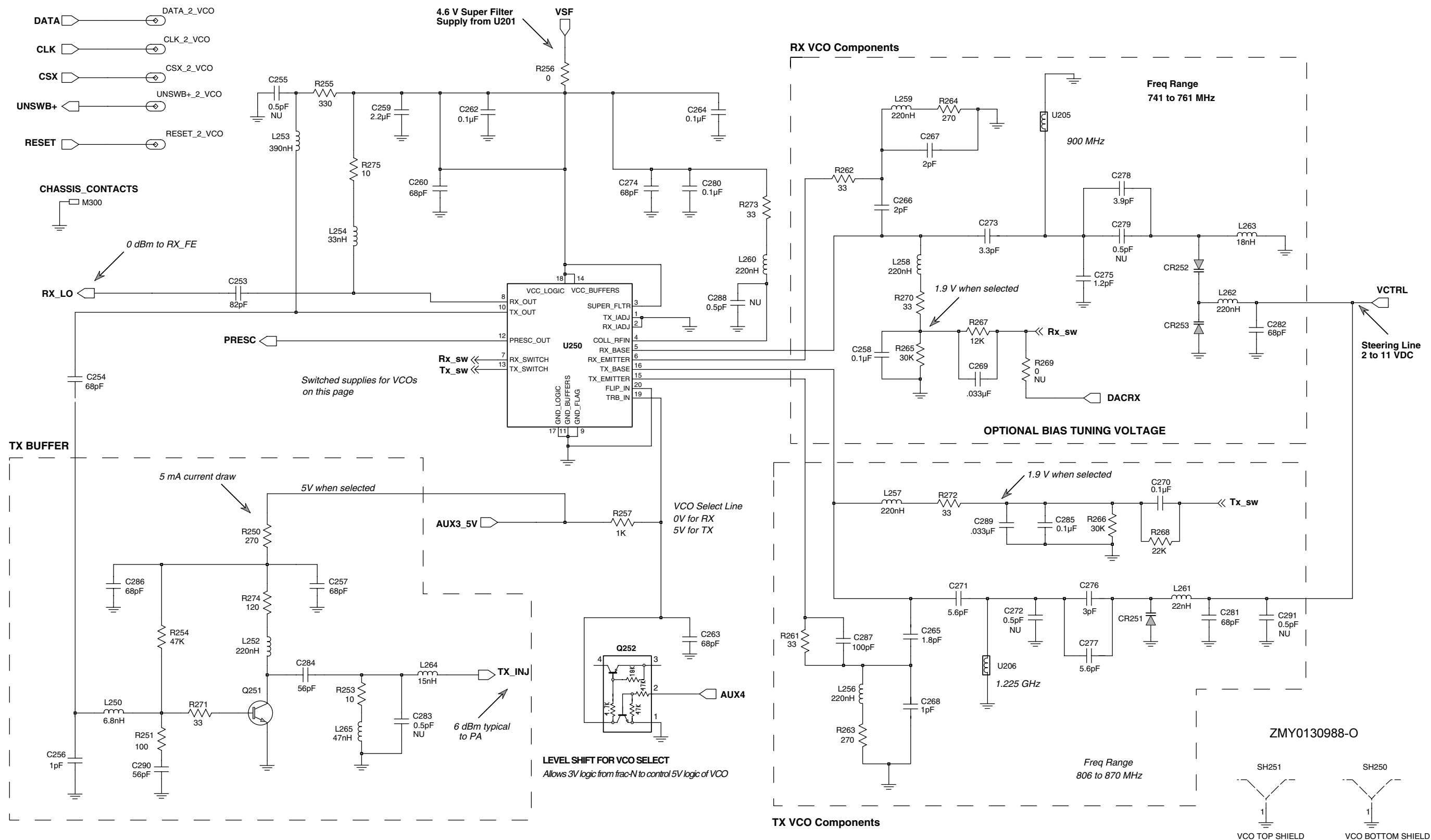
ZMY0130984-O







800 MHz (806-870 MHz) Synthesizer



800 MHz (806-870MHz) Voltage Controlled Oscillator

3.0 800MHz PCB 8480641Z03
Parts List

Circuit Ref	Motorola Part No.	Description
B501	0986237A01	Connector Multi_Pin 37A01
B503	3980502Z01	Mechanical
B504	3980501Z01	Mechanical
C101	2113740F45	Capacitor Chip 56pF
C104	2113740F15	Capacitor Chip 3.3pF
C105	2113740F06	Capacitor Chip 1.3pF
C106	2113740F23	Capacitor Chip 6.8pF
C107	2113740F03	Capacitor Chip 1pF
C108	2113743N46	Capacitor Chip 68pF
C109	2113740F20	Capacitor Chip 5.1pF
C110	2113740F12	Capacitor Chip 2.4pF
C111	2113743N32	Capacitor Chip 18pF
C112	2113743N46	Capacitor Chip 68pF
C113	2113740F45	Capacitor Chip 56pF
C114	2103689A19	Capacitor Chip 6.0pF
C115	2103689A05	Capacitor Chip 12.0pF
C116	2113743N46	Capacitor Chip 68pF
C117	2113743N46	Capacitor Chip 68pF
C118	2103689A08	Capacitor Chip 18.0pF
C119	2113743N46	Capacitor Chip 68pF
C121	2113743N60	Capacitor Chip 5pF
C124	2113743N46	Capacitor Chip 68pF
C125	2113743N46	Capacitor Chip 68pF
C126	2113743L13	Capacitor Chip 680pF
C127	2113743N12	Capacitor Chip 2.7pF
C128	2113743N44	Capacitor Chip 56pF
C129	2113743M08	Capacitor Chip .022μF
C130	2113743L13	Capacitor Chip 680pF
C131	2113743N46	Capacitor Chip 68pF
C132	2113743L41	Capacitor Chip .01μF
C133 to C135	2113743N44	Capacitor Chip 56pF
C136	2113743M24	Capacitor Chip 0.1μF
C138	2113743N44	Capacitor Chip 56pF
C139	2113743M08	Capacitor Chip .022μF
C140	2113743N32	Capacitor Chip 18pF
C141	2113743N18	Capacitor Chip 4.7pF
C142	2113743M08	Capacitor Chip .022μF
C143	2113743L29	Capacitor Chip 3300pF
C144	2311049A08	Capacitor Tantalum 1μF
C146	2113743N46	Capacitor Chip 68pF
C147	2113743N32	Capacitor Chip 18pF
C148	2113743N32	Capacitor Chip 18pF
C149	2113743N44	Capacitor Chip 56pF
C150	2113743N32	Capacitor Chip 18pF
C151	2113743N46	Capacitor Chip 68pF
C152	2113743N32	Capacitor Chip 18pF
C153	2113743N46	Capacitor Chip 68pF

Circuit Ref	Motorola Part No.	Description
C154	2113743N44	Capacitor Chip 56pF
C155	2113743N44	Capacitor Chip 56pF
C157	2113743N46	Capacitor Chip 68pF
C158	2113743N44	Capacitor Chip 56pF
C159	2113743N44	Capacitor Chip 56pF
C160	2113743N46	Capacitor Chip 68pF
C161	2113743N32	Capacitor Chip 18pF
C162	2113743N48	Capacitor Chip 82pF
C163	2113743N46	Capacitor Chip 68pF
C164	2113743N32	Capacitor Chip 18pF
C200	2113743F18	Capacitor Chip 2.2μF
C201	2113743N46	Capacitor Chip 68pF
C202	2113743F18	Capacitor Chip 2.2μF
C203	2311049A57	Capacitor Tantalum 10μF
C204	2113743M24	Capacitor Chip 0.1μF
C205	2113743L41	Capacitor Chip .01μF
C206	2113743M24	Capacitor Chip 0.1μF
C207	2113743F18	Capacitor Chip 2.2μF
C208	2113743M24	Capacitor Chip 0.1μF
C209	2311049A57	Capacitor Tantalum 10μF
C210	2113743N46	Capacitor Chip 68pF
C211	2311049A09	Capacitor Tantalum 2.2μF
C212	2113743M24	Capacitor Chip 0.1μF
C213	2113743M24	Capacitor Chip 0.1μF
C214	2113743F18	Capacitor Chip 2.2μF
C215	2113743M24	Capacitor Chip 0.1μF
C216	2113743N46	Capacitor Chip 68pF
C217	2113743F18	Capacitor Chip 2.2μF
C218	2311049A01	Capacitor Tantalum 0.1μF
C219	2113743N46	Capacitor Chip 68pF
C220	2311049A05	Capacitor Tantalum 0.47μF
C221 to C224	2113743N46	Capacitor Chip 68pF
C225	2113743E12	Capacitor Chip .047μF
C226	2113743E12	Capacitor Chip .047μF
C227	2113743N46	Capacitor Chip 68pF
C228	2113743N02	Capacitor Chip 0.75pF
C229	2113743F18	Capacitor Chip 2.2μF
C230	2113743N46	Capacitor Chip 68pF
C231	2113741F17	Capacitor Chip 470pF
C232	2113743N46	Capacitor Chip 68pF
C233	2113743L17	Capacitor Chip 1000pF
C234	2311049A59	Capacitor Tantalum 10μF
C238	2113743M24	Capacitor Chip 0.1μF
C239	2113743L41	Capacitor Chip .01μF
C240	2113743L41	Capacitor Chip .01μF
C241	2113743N46	Capacitor Chip 68pF
C243	2113743N34	Capacitor Chip 22pF
C244 to C247	2113743L41	Capacitor Chip .01μF
C253	2113743N48	Capacitor Chip 82pF

Circuit Ref	Motorola Part No.	Description
C254	2113743N46	Capacitor Chip 68pF
C256	2113743N03	Capacitor Chip 1pF
C257	2113743N46	Capacitor Chip 68pF
C258	2113743M24	Capacitor Chip 0.1μF
C259	2113743F18	Capacitor Chip 2.2μF
C260	2113743N46	Capacitor Chip 68pF
C262	2113743M24	Capacitor Chip 0.1μF
C263	2113743N46	Capacitor Chip 68pF
C264	2113743M24	Capacitor Chip 0.1μF
C265	2113743N69	Capacitor Chip 1.8pF
C266	2113743N09	Capacitor Chip 2pF
C267	2113743N09	Capacitor Chip 2pF
C268	2113743N03	Capacitor Chip 1pF
C269	2113743M12	Capacitor Chip .033μF
C270	2113743M24	Capacitor Chip 0.1μF
C271	2113743N20	Capacitor Chip 5.6pF
C273	2113743N14	Capacitor Chip 3.3pF
C274	2113743N46	Capacitor Chip 68pF
C275	2113743N05	Capacitor Chip 1.2pF
C276	2113743N13	Capacitor Chip 3pF
C277	2113743N20	Capacitor Chip 5.6pF
C278	2113743N16	Capacitor Chip 3.9pF
C280	2113743M24	Capacitor Chip 0.1μF
C281	2113743N46	Capacitor Chip 68pF
C282	2113743N46	Capacitor Chip 68pF
C284	2113743N44	Capacitor Chip 56pF
C285	2113743M24	Capacitor Chip 0.1μF
C286	2113743N46	Capacitor Chip 68pF
C287	2113743N50	Capacitor Chip 100pF
C289	2113743M12	Capacitor Chip .033μF
C290	2113743N44	Capacitor Chip 56pF
C300	2113743N65	Capacitor Chip 8pF
C301	2113743N46	Capacitor Chip 68pF
C303	2113743N26	Capacitor Chip 10pF
C304	2113743M24	Capacitor Chip 0.1μF
C305	2113743N44	Capacitor Chip 56pF
C306	2113743N46	Capacitor Chip 68pF
C307	2113743N46	Capacitor Chip 68pF
C308	2113743N05	Capacitor Chip 1.2pF
C310	2113743N30	Capacitor Chip 15pF
C311	2113743N48	Capacitor Chip 82pF
C312	2113743N37	Capacitor Chip 30pF
C313	2113743N48	Capacitor Chip 82pF
C314	2113743N48	Capacitor Chip 82pF
C315	2113743N65	Capacitor Chip 8pF
C316	2113743N44	Capacitor Chip 56pF
C317	2113743N44	Capacitor Chip 56pF
C350	2311049A59	Capacitor Tantalum 10μF
C352	2113743M08	Capacitor Chip .022μF
C353	2113743A23	Capacitor Chip 0.22μF
C354	2113743M08	Capacitor Chip .022μF

Circuit Ref	Motorola Part No.	Description
C355	2113743E20	Capacitor Chip 0.1μF
C356	2113743N50	Capacitor Chip 100pF
C357	2113743F16	Capacitor Chip 1μF
C358	2113743M24	Capacitor Chip 0.1μF
C359	2113743A23	Capacitor Chip 0.22μF
C360	2113743A23	Capacitor Chip 0.22μF
C361	2113743R33	Capacitor Chip 4700pF
C362	2113743R33	Capacitor Chip 4700pF
C363	2113743F16	Capacitor Chip 1μF
C364	2113743F16	Capacitor Chip 1μF
C365	2113743N65	Capacitor Chip 8pF
C366	2113743F16	Capacitor Chip 1μF
C367	2113743M08	Capacitor Chip .022μF
C369	2113743R33	Capacitor Chip 4700pF
C370	2113743M24	Capacitor Chip 0.1μF
C371	2113743R33	Capacitor Chip 4700pF
C372	2113743A23	Capacitor Chip 0.22μF
C373	2311049A59	Capacitor Tantalum 10μF
C374	2113743E07	Capacitor Chip .022μF
C376	2113743N09	Capacitor Chip 2pF
C377	2113743N34	Capacitor Chip 22pF
C378	2113743N11	Capacitor Chip 2.4pF
C379	2113740A82	Capacitor Chip 1500pF
C380	2109720D14	Capacitor Chip 0.1μF
C381	2113743E20	Capacitor Chip 0.1μF
C382	2311049A59	Capacitor Tantalum 10μF
C383	2113743M08	Capacitor Chip .022μF
C385	2113743N25	Capacitor Chip 9.1pF
C386	2113743N29	Capacitor Chip 13pF
C387	2113743N30	Capacitor Chip 15pF
C388 to C390	2113743N29	Capacitor Chip 13pF
C391	2113741F49	Capacitor Chip .01μF
C392	2113743F16	Capacitor Chip 1μF
C393	2113743E20	Capacitor Chip 0.1μF
C400	2113743L41	Capacitor Chip .01μF
C401	2113743M24	Capacitor Chip 0.1μF
C402	2113743M24	Capacitor Chip 0.1μF
C403	2113928D08	Capacitor Chip 10μF
C404	2113743N46	Capacitor Chip 68pF
C405	2113743N46	Capacitor Chip 68pF
C407	2113928N01	Capacitor Chip 0.1μF
C408	2113743N46	Capacitor Chip 68pF
C409	2113743M24	Capacitor Chip 0.1μF
C410	2113928N01	Capacitor Chip 0.1μF
C411	2113743M24	Capacitor Chip 0.1μF
C412	2311049A59	Capacitor Tantalum 10μF
C414	2113743M24	Capacitor Chip 0.1μF
C415	2109720D01	Capacitor Chip .01μF
C416	2113928N01	Capacitor Chip 0.1μF
C420	2113743L41	Capacitor Chip .01μF

Circuit Ref	Motorola Part No.	Description
C421	2113928N01	Capacitor Chip 0.1μF
C422	2113743M24	Capacitor Chip 0.1μF
C423	2113743N46	Capacitor Chip 68pF
C424	2311049A59	Capacitor Tantalum 10μF
C425	2113743M24	Capacitor Chip 0.1μF
C426	2113743N46	Capacitor Chip 68pF
C427	2113743N46	Capacitor Chip 68pF
C428	2113743M24	Capacitor Chip 0.1μF
C429	2113743M24	Capacitor Chip 0.1μF
C430	2113928N01	Capacitor Chip 0.1μF
C431	2113743N46	Capacitor Chip 68pF
C433	2113743L41	Capacitor Chip .01μF
C434	2113743M24	Capacitor Chip 0.1μF
C435	2113743M24	Capacitor Chip 0.1μF
C436	2113743N34	Capacitor Chip 22pF
C437	2113743N34	Capacitor Chip 22pF
C438	2113743F18	Capacitor Chip 2.2μF
C439	2113743L17	Capacitor Chip 1000pF
C440	2113743F18	Capacitor Chip 2.2μF
C441	2113743N46	Capacitor Chip 68pF
C442	2113743E20	Capacitor Chip 0.1μF
C443	2113928N01	Capacitor Chip 0.1μF
C444	2113743N46	Capacitor Chip 68pF
C445	2113743N46	Capacitor Chip 68pF
C447	2113743M08	Capacitor Chip .022μF
C448	2113928N01	Capacitor Chip 0.1μF
C449	2113743N46	Capacitor Chip 68pF
C451	2113743M08	Capacitor Chip .022μF
C452	2113743B29	Capacitor Chip 1μF
C453	2113743N46	Capacitor Chip 68pF
C456	2113743N46	Capacitor Chip 68pF
C458	2113743N46	Capacitor Chip 68pF
C459	2113743N46	Capacitor Chip 68pF
C463	2113743N46	Capacitor Chip 68pF
C466	2113743N46	Capacitor Chip 68pF
C467	2113928N01	Capacitor Chip 0.1μF
C471 to C473	2113743N46	Capacitor Chip 68pF
C475	2113743H14	Capacitor Chip 10μF
C476	2113928D08	Capacitor Chip 10μF
C479	2113928N01	Capacitor Chip 0.1μF
C480	2113743G26	Capacitor Chip 4.7μF
C481	2113928N01	Capacitor Chip 0.1μF
C482	2113928N01	Capacitor Chip 0.1μF
C490 to C497	2113743N46	Capacitor Chip 68pF
C502	2311049A05	Capacitor Tantalum 0.47μF
C503	2113743N46	Capacitor Chip 68pF
C505	2113743N46	Capacitor Chip 68pF
C511 to C514	2113743N46	Capacitor Chip 68pF

Circuit Ref	Motorola Part No.	Description
C520 to C523	2113743L41	Capacitor Chip .01μF
C524	2113743N32	Capacitor Chip 18pF
C525 to C529	2113743N48	Capacitor Chip 82pF
C530	2311049A18	Capacitor Tantalum 10μF
C531	2113743N48	Capacitor Chip 82pF
CR101	4880973Z02	Diode PIN MA4PH261
CR102	4880973Z02	Diode PIN MA4PH261
CR251 to CR253	4862824C01	Diode Varactor 1SV229
CR300	4880154K03	Diode Schottky MMBD353LT1
CR301	4802245J41	Diode Switching HSMP3820
CR350	4862824C01	Diode Varactor 1SV229
CR411 to CR413	4802245J62	Diode Array RB731U
CR440	4813833C02	Diode Dual Common Cathode MMBD6100LT1
CR501	4880107R01	Diode Rectifier BYD17D
CR503	4805729G49	Opto-Device LED BRPY1204W
D201	4802233J09	Diode Array IMN10
D202	4802233J09	Diode Array IMN10
E101	2484657R01	2743019447 (for PCB No. 8480641Z03 Rev B only)
E102	2405688Z01	2744044446
E400 to E409	2480640Z01	BK1005HM471
F501	6580542Z01	Protector 1608FF
FL300	9180657Z01	Filter
FL301	9180657Z01	Filter
FL350	4885631B01	Filter 31B01
FL401	4870368G02	Oscillator Crystal 68G02
J101	2880658Z02	Connector
J400	0905505Y04	Connector Multi_pin FH12-40S-0.5SH
J403	0905505Y02	Connector Multi_pin CL586-0524-9
L101	2460591A29	Inductor Airwound 6.61nH
L102	2460591A29	Inductor Airwound 6.61nH
L103	2460591A49	Inductor Airwound 8.01nH
L104	2462587V38	Inductor 220nH
L106	2479990B02	Inductor Airwound 19.61nH
L107	2413926G05	Inductor 6.8nH
L108	2413926G09	Inductor 15nH
L109	2462587V38	Inductor 220nH
L110	2413926G04	Inductor 5.6nH
L111	2413926G06	Inductor 8.2nH
L112	2479990A01	Inductor Airwound 4.22nH

Circuit Ref	Motorola Part No.	Description
L113	2462587V27	Inductor 27nH
L200	2462587Q20	Inductor 2.2μH
L202	2462587Q20	Inductor 2.2μH
L203	2462587V21	Inductor 6.8nH
L204	2462587P25	Inductor 12μH
L250	2462587V21	Inductor 6.8nH
L252	2462587V38	Inductor 220nH
L253	2462587V41	Inductor 390nH
L254	2462587V28	Inductor 33nH
L256 to L260	2462587V38	Inductor 220nH
L261	2462587V26	Inductor 22nH
L262	2462587V38	Inductor 220nH
L263	2462587V25	Inductor 18nH
L264	2462587V24	Inductor 15nH
L265	2462587V30	Inductor 47nH
L301	2462587V20	Inductor 3.3nH
L302	2462587V38	Inductor 220nH
L303	2462587V41	Inductor 390nH
L304	2413926G08	Inductor 12nH
L306	2462587V32	Inductor 68nH
L307	2462587V26	Inductor 22nH
L308	2462587V30	Inductor 47nH
L309	2462587V38	Inductor 220nH
L310	2462587V22	Inductor 8.2nH
L350	2462587Q20	Inductor 2.2μH
L351	2462587T22	Inductor 390nH
L352	2462587T22	Inductor 390nH
L353	2462587V35	Inductor 120nH
L354	2462587T23	Inductor 470nH
L355	2462587V38	Inductor 220nH
L356	2462587T40	Inductor 33nH
L357	2462587Q20	Inductor 2.2μH
L400	2462587Q42	Inductor 390nH
L401	2462587Q42	Inductor 390nH
L410	2462587Q42	Inductor 390nH
L411	2462587Q42	Inductor 390nH
L505	2462587Q42	Inductor 390nH
PB501 to PB505	4080523Z01	Mechanical KSS223G
Q101	5105385Y73	Transistor 85Y73
Q200	4802245J50	Transistor Bipolar
Q210	4802245J50	Transistor Bipolar
Q251	4805218N63	Transistor Bipolar BFQ67W
Q252	4802245J50	Transistor Bipolar
Q302	4802245J56	Transistor Bipolar QSBT0048
Q304	4802245J44	Transistor Bipolar HP415
Q350	4805218N63	Transistor Bipolar BFQ67W
Q400	4809579E18	Transistor FET TP0101T
Q403	4880214G02	Transistor Bipolar MMBT3904L

Circuit Ref	Motorola Part No.	Description
Q405	4802245J54	Transistor Bipolar UMG5N
Q410	4802245J54	Transistor Bipolar UMG5N
Q416	4809579E18	Transistor FET TP0101T
Q417	4802245J50	Transistor Bipolar
Q502	5180159R01	Transistor Bipolar IMX1
Q505	4880214G02	Transistor Bipolar MMBT3904L
R101	0662057A34	Resistor Chip 240
R102	0662057A34	Resistor Chip 240
R103	0662057A18	Resistor Chip 51
R104	0680539Z01	Resistor Chip 0.1
R105	0662057M81	Resistor Chip 2K
R106	0662057M01	Resistor Chip 0
R107	0662057N13	Resistor Chip 39K
R108	0662057N08	Resistor Chip 24K
R109	0662057N20	Resistor Chip 75K
R110	0662057M47	Resistor Chip 75
R111	0680195M01	Resistor Chip 10
R112	0662057M01	Resistor Chip 0
R113	0662057N30	Resistor Chip 200K
R114	0662057M67	Resistor Chip 510
R115	0662057N39	Resistor Chip 470K
R116	0662057M85	Resistor Chip 3K
R117	0662057M98	Resistor Chip 10K
R200	0662057M50	Resistor Chip 100
R202	0662057M88	Resistor Chip 3.9K
R203	0662057M38	Resistor Chip 33
R204	0662057M52	Resistor Chip 120
R206	0662057N10	Resistor Chip 30K
R208	0662057N17	Resistor Chip 56K
R209	0662057M77	Resistor Chip 1.3K
R210	0662057M62	Resistor Chip 330
R213	0662057M50	Resistor Chip 100
R214	0662057N15	Resistor Chip 47K
R216	0662057M01	Resistor Chip 0
R217	0662057M01	Resistor Chip 0
R218	0662057N11	Resistor Chip 33K
R219	0662057M54	Resistor Chip 150
R220	0662057M54	Resistor Chip 150
R222	0662057M01	Resistor Chip 0
R250	0662057M60	Resistor Chip 270
R251	0662057M50	Resistor Chip 100
R253	0662057M26	Resistor Chip 10
R254	0662057N15	Resistor Chip 47K
R255	0662057M62	Resistor Chip 330
R256	0662057M01	Resistor Chip 0
R257	0662057M74	Resistor Chip 1K
R261	0662057M38	Resistor Chip 33
R262	0662057M38	Resistor Chip 33
R263	0662057M60	Resistor Chip 270
R264	0662057M60	Resistor Chip 270

Circuit Ref	Motorola Part No.	Description
R265	0662057N10	Resistor Chip 30K
R266	0662057N10	Resistor Chip 30K
R267	0662057N01	Resistor Chip 12K
R268	0662057N07	Resistor Chip 22K
R270 to R273	0662057M38	Resistor Chip 33
R274	0662057M52	Resistor Chip 120
R275	0662057M26	Resistor Chip 10
R306	0662057M92	Resistor Chip 5.6K
R307	0662057N17	Resistor Chip 56K
R309	0662057M70	Resistor Chip 680
R310	0662057N01	Resistor Chip 12K
R312	0662057M62	Resistor Chip 330
R315	0662057M74	Resistor Chip 1K
R317	0662057M96	Resistor Chip 8.2K
R318	0662057M72	Resistor Chip 820
R320	0662057M52	Resistor Chip 120
R321	0662057M43	Resistor Chip 51
R322	0662057M52	Resistor Chip 120
R323	0662057M87	Resistor Chip 3.6K
R324	0662057M68	Resistor Chip 560
R325	0662057N10	Resistor Chip 30K
R326	0662057M42	Resistor Chip 47
R327	0662057M40	Resistor Chip 39
R328	0662057N03	Resistor Chip 15K
R350	0662057M33	Resistor Chip 20
R351	0662057M52	Resistor Chip 120
R352	0662057N01	Resistor Chip 12K
R353	0662057N01	Resistor Chip 12K
R355	0662057M98	Resistor Chip 10K
R356	0662057M78	Resistor Chip 1.5K
R358	0662057N15	Resistor Chip 47K
R359	0662057M78	Resistor Chip 1.5K
R360	0662057N15	Resistor Chip 47K
R361	0662057M57	Resistor Chip 200
R362	0662057M98	Resistor Chip 10K
R363	0662057N15	Resistor Chip 47K
R364	0662057M81	Resistor Chip 2K
R365	0662057M87	Resistor Chip 3.6K
R366	0662057M78	Resistor Chip 1.5K
R400	0662057N15	Resistor Chip 47K
R401	0662057M01	Resistor Chip 0
R405	0662057M01	Resistor Chip 0
R406	0662057N20	Resistor Chip 75K
R407	0662057N19	Resistor Chip 68K
R409	0662057M98	Resistor Chip 10K
R410	0662057N23	Resistor Chip 100K
R411	0662057M98	Resistor Chip 10K
R413	0662057M01	Resistor Chip 0
R414	0662057V34	Resistor Chip 180K
R415	0662057V26	Resistor Chip 91K

Circuit Ref	Motorola Part No.	Description
R416	0662057M90	Resistor Chip 4.7K
R419	0662057M67	Resistor Chip 510
R420	0662057B46	Resistor Chip 10MEG
R421	0662057M81	Resistor Chip 2K
R423	0662057N39	Resistor Chip 470K
R424	0662057N12	Resistor Chip 36K
R425	0662057N10	Resistor Chip 30K
R426	0662057N35	Resistor Chip 330K
R427	0662057M84	Resistor Chip 2.7K
R428	0662057M10	Resistor Chip 2.2
R429	0662057M98	Resistor Chip 10K
R431	0662057N39	Resistor Chip 470K
R432	0662057N16	Resistor Chip 51K
R434	0662057M62	Resistor Chip 330
R435	0662057M81	Resistor Chip 2K
R436	0662057M74	Resistor Chip 1K
R437	0662057M01	Resistor Chip 0
R438	0662057M54	Resistor Chip 150
R439	0662057M54	Resistor Chip 150
R445	0662057N08	Resistor Chip 24K
R446	0662057N22	Resistor Chip 91K
R447	0662057N38	Resistor Chip 430K
R448	0662057N06	Resistor Chip 20K
R449	0662057N08	Resistor Chip 24K
R450	0683962T45	Resistor Chip 68
R457	0662057M98	Resistor Chip 10K
R460	0662057M90	Resistor Chip 4.7K
R461	0662057M56	Resistor Chip 180
R462	0662057M98	Resistor Chip 10K
R463	0662057M61	Resistor Chip 300
R471	0662057M92	Resistor Chip 5.6K
R472	0662057N12	Resistor Chip 36K
R473	0662057M26	Resistor Chip 10
R475	0662057M01	Resistor Chip 0
R476	0662057N08	Resistor Chip 24K
R477	0662057M74	Resistor Chip 1K
R478	0662057M98	Resistor Chip 10K
R481	0662057N08	Resistor Chip 24K
R492	0662057M01	Resistor Chip 0
R501	0662057M70	Resistor Chip 680
R502	0662057M56	Resistor Chip 180
R505	0662057M98	Resistor Chip 10K
R506	0662057N15	Resistor Chip 47K
R507	0662057M01	Resistor Chip 0
RT400	0680590Z01	Resistor Thermal 33.0K
S501	4080710Z01	Mechanical Rotary Switch (PMUF1063 only)
S501	4080710Z02	Mechanical Rotary Switch (PMUF1064 only)
S502	1880619Z01	Mechanical
SH100	2680507Z01	Mechanical Shield 07Z01

Circuit Ref	Motorola Part No.	Description
SH101	2686081B04	Mechanical Shield 81B04
SH102	2680554Z01	Mechanical Shield 54Z01
SH201	2680511Z01	Mechanical Shield 11Z01
SH202	2680511Z01	Mechanical Shield 11Z01
SH250	2680514Z01	Mechanical Shield 14Z01
SH251	2680513Z01	Mechanical Shield 13Z01
SH301	2680554Z01	Mechanical Shield 54Z01
SH303	2680508Z01	Mechanical Shield 08Z01
SH350	2680508Z01	Mechanical Shield 08Z01
SH351	2680697Z01	Mechanical Shield 97Z01
SH352	2680553Z01	Mechanical Shield 53Z01
SH353	2680514Z01	Mechanical Shield 14Z01
SH400	2680505Z01	Mechanical Shield 05Z01
SH401	2680506Z01	Mechanical Shield 06Z01
SH402	2680515Z01	Mechanical Shield 15Z01
SH403	2680516Z01	Mechanical Shield 16Z01
U101	5102463J66	Analog IC Amp RF2103P
U102	5185765B28	Custom IC H99S-4
U103	5185963A15	Analog IC LM50CIM3X
U201	5185963A27	Custom IC ASIC 63A27
U205	4802245J58	Oscillator DRR030KER900TCT
U206	4802245J57	Oscillator DRR030KE1R225TC
U247	5105739X05	Analog IC ADP3300
U248	5102463J58	Analog IC Voltage Regulator LP2980AIM5
U250	5105750U54	Custom IC Buffer/Driver 50U54
U301	5185963A43	Analog IC MA4EX900L-1226
U302	5185623B01	Digital IC Gate TC7SU04FTE85L
U350	5185623B01	Digital IC Gate TC7SU04FTE85L
U351	5109632D83	Custom IC 32D83
U352	4885622B01	Transistor BF904
U400	5102463J40	Analog IC Voltage Regulator LP2951ACMM-3.3
U404	5185963A53	Custom IC 63A53
U405	5102463J36	Digital IC Memory AT49LV040-90T1
U406	5102463J60	Digital IC Memory X25128-2.7
U407	5102463J64	Digital IC Memory MC68HC11FLOPU1
U409	5102226J56	Analog IC Voltage Regulator ILC7062
U410	5102463J57	Analog IC Voltage Regulator ILC7062
U420	5102463J44	Analog IC Amp TDA8547TS

Circuit Ref	Motorola Part No.	Description
VR432 to VR433	4805656W08	Diode MMQA5V6T1
VR434	4802245J73	Diode Zener UDZSTE17
VR445 to VR449	4802245J74	Diode Zener UDZSTE17
VR450	4802245J75	Diode Zener UDZSTE17
VR501	4813830A18	Diode Zener MMBZ5235BLT1
VR502	4880140L17	Diode Zener MMBZ5242B
VR503 to VR508	4802245J73	Diode Zener UDZSTE17
Y200	4802245J68	Oscillator Crystal TTS12V

* Motorola Depot Servicing only

Reference designators with an asterisk indicate components which are not fieldreplaceable because they need to be calibrated with specialized factory equipment after installation. Radios in which these parts have been replaced in the field will be off frequency at temperature extremes.

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