

10. Electrical Parts List

10-1 Cellular Phone

10-1-1 Main Board Assembly

NO	DESCRIPTION	SEC. CODE	REMARK
- Capacitors -			
C34	Ceramic, 1000P	2203-000438	
C100	Ceramic, 0.01U	2203-000254	
C101	Ceramic, 0.1U	2203-000189	
C102	Ceramic, 8200P	2203-001210	
C104	Tantalum, Chip, 220UF/10V	2404-001097	
C106	Ceramic, 0.1U	2203-000189	
C107	Tantalum, Chip, 10uF/6.3V	2404-000139	
C108	Ceramic, 0.1U	2203-000189	
C109	Tantalum, Chip, 10uF/6,3V	2404-000139	
C110	Ceramic, 0.1u	2203-000189	
C112	Ceramic, 0.1U	2203-000189	
C113	Ceramic, 1000P	2203-000438	
C114	Ceramic, 0.1U	2203-000189	
C115	Tantalum, Electrolytic, 4.7U/10V	2404-000232	
C116	Ceramic, 100P	2203-000234	
C117	Ceramic, 0.1u	2203-000189	
C118	Ceramic, 1000P	2203-000438	
C119	Tantalum, Chip, 33uF/16V	2404-000222	
C120	Ceramic, 3900P	2203-000714	
C121	Ceramic, 130P	2203-000995	
C122	Ceramic, 8200P	2203-001210	
C123	Ceramic, 0.068u	2203-005483	
C124	Ceramic, 220P	2203-000585	
C125	Ceramic, 1000P	2203-000438	
C126	Ceramic, 0.01U	2203-000254	
C128, C129	Ceramic, 0.1U	2203-000189	
C130	Ceramic, 1uF	2203-005144	
C131	Ceramic, 1000P	2203-000438	
C134	Tantalum, Chip, 2.2U/16V	2404-000167	
C136	Ceramic, 0.1U	2203-000189	
C137, C138	Ceramic, 5P	2203-001437	
C140	Ceramic, 0.047u	2203-001432	
C141	Ceramic, 0.01U	2203-000254	
C142	Ceramic, 0.022uF	2203-001405	
C143	Ceramic, 1uF	2203-005144	

NO	DESCRIPTION	SEC. CODE	REMARK
C144	Ceramic, 470P	2203-000941	
C145	Ceramic, 100P	2203-000234	
C146	Ceramic, 0.1U	2203-000189	
C149	Ceramic, 220P	2203-000585	
C150, C151	Ceramic, 1uF	2203-005144	
C152	Ceramic, 0.01U	2203-000254	
C153, C154	Ceramic, 5600P	2203-001033	
C155	REF, Chip, 0	2007-000171	
C157	Ceramic, 0.01U	2203-000254	
C158	Ceramic, 390P	2203-000836	
C160~C162	Ceramic, 0.068uF	2203-005483	
C163-C165	Tantalum, Chip, 4.7U/10V	2404-000232	
C166, C167	Ceramic, 0.068uF	2203-005483	
C168	Ceramic, 0.1U	2203-000189	
C169	Ceramic, 0.01U	2203-000254	
C170	Ceramic, 0.1U	2203-000189	
C171	Ceramic, 0.01U	2203-000254	
C172	Ceramic, 0.1U	2203-000189	
C175	Ceramic, 0.01U	2203-000254	
C176	Ceramic, 0.1U	2203-000189	
C177	Ceramic, 0.01U	2203-000254	
C178	Ceramic, 0.1U	2203-000189	
C182, C184	Ceramic, 0.1U	2203-000189	
C185	Ceramic, 0.01U	2203-000254	
C186	Ceramic, 0.1uF	2203-000189	
C301, C302	Ceramic, 1000P	2203-000438	
C303	Ceramic, 15pF	2203-000386	
C304	Ceramic, 3P	2203-000870	
C305, C306	Ceramic, 0.01U	2203-000254	
C307	Ceramic, 2P	2203-000696	
C308	Ceramic, 0.01uF	2203-000254	
C310	Ceramic, 1000P	2203-000438	
C311	Ceramic, 1000P	2203-000438	
C312	Tantalum, Chip, 10uF/6.3V	2404-000139	
C313	Ceramic, 1000P	2203-000438	
C314	Ceramic, 22P	2203-000627	
C315	Ceramic, 8P	2203-001259	
C316	Ceramic, 10pF	2203-000278	
C317	Ceramic, 1000P	2203-000438	
C318	Ceramic, 3P	2203-000870	

NO	DESCRIPTION	SEC. CODE	REMARK
C319, C320	Ceramic, 4P	2203-001017	
C321	REF, Chip, 0Ω	2007-000171	
C322	Ceramic, 1000P	2203-000438	
C323-C327	Ceramic, 0.01U	2203-000254	
C328	Ceramic, 220P	2203-000585	
C329	Ceramic, 470P	2203-000941	
C330	Tantalum, Chip, 10uF/6.3V	2404-000139	
C331	Ceramic, 100P	2203-000234	
C332, C333	Ceramic, 1P	2203-000466	
C334	Ceramic, 100P	2203-000234	
C335	Ceramic, 470P	2203-000941	
C336, C338	Ceramic, 1000P	2203-000438	
C337	Ceramic, 68P	2203-0001153	
C339	Ceramic, 0.01uF	2203-000254	
C340	Ceramic, 0.1U	2203-000189	
C341	Ceramic, 2.2P	2203-005158	
C343	Ceramic, 0.01U	2203-000254	
C345	Ceramic, 100P	2203-000234	
C346	Ceramic, 0.01U	2203-000254	
C347, C348	Ceramic, 100P	2203-000234	
C349	Ceramic, 0.068uF	2203-005483	
C350	Tantalum, Chip, 0.47uF/16V	2404-000312	
C351	Ceramic, 0.033uF	2203-001416	
C353	Tantalum, Chip, 10uF/6.3V	2404-000139	
C354-C356	Ceramic, 0.01U	2203-000254	
C357	Ceramic, 0.1U	2203-000189	
C358	Tantalum, Chip, 10uF/6.3V	2404-000139	
C359-C362	Ceramic, 100P	2203-000234	
C363	Ceramic, 0.047uF	2203-001432	
C364	Tantalum, Chip, 10uF/6.3V	2404-000139	
C365	Ceramic, 3P	2203-000870	
C366, C368	Ceramic, 1000P	2203-000438	
C369	Ceramic, 0.01uF	2203-000254	
C370	Ceramic, 3P	2203-000870	
C371	Ceramic, 0.01U	2203-000254	
C372	Ceramic, 0.01U, 1608	2203-000257	
C373-C375	Ceramic, 1000P	2203-000438	
C376	Ceramic, 2200P	2203-000489	
C379, C380	Ceramic, 1000P	2203-000438	
C381	Ceramic, 0.01U	2203-000254	

NO	DESCRIPTION	SEC. CODE	REMARK
C382	Tantalum, Chip, 33uF/16V	2404-000222	
C383	Ceramic, 0.01U	2203-000254	
C384	Tantalum, Chip, 10uF/6.3V	2404-000139	
C385, C386	Ceramic, 0.01U	2203-000254	
C387	Ceramic, 220P	2203-000585	
C388	Ceramic, 0.01U	2203-000254	
C389	Tantalum, Chip, 10uF/6.3V	2404-000139	
C391	Ceramic, 1P	2203-000466	
C401	Ceramic, 0.01U	2203-000254	
C402	REF, Chip, 0Ω	2007-000171	
C403	Ceramic, 470P	2203-000941	
C404, C405	Ceramic, 82P	2203-001239	
C406	Ceramic, 7P	2203-001201	
C407	Ceramic, 0.047uF	2203-001432	
C408	Ceramic, 1000P	2203-000438	
C409	Ceramic, 10P	2203-000278	
C410	Tantalum, Chip, 2.2U/16V	2404-000167	
C411	Ceramic, 100P	2203-000234	
C412, C413	Ceramic, 47P	2203-000995	
C414	Ceramic, 1000P	2203-000438	
C415	Ceramic, 0.033uF	2203-001416	
C416	Tantalm, Chip, 1.5U/16V	2404-000274	
C417	Ceramic, 100P	2203-000234	
C418	Ceramic, 0.01U	2203-000254	
C419	Ceramic, 1000P	2203-000438	
C420	Ceramic, 1P	2203-000466	
C421	Ceramic, 8200P	2203-001210	
C422	Ceramic, 1000P	2203-000438	
C423	Ceramic, 0.01U	2203-000254	
C424	Ceramic, 1000P	2203-000438	
C425	Ceramic, 0.01U	2203-000254	
C426	Ceramic, 1000P	2203-000438	
C427	Ceramic, 0.01U	2203-000254	
C428	Ceramic, 1000P	2203-000438	
C429	Ceramic, 0.01U	2203-000254	
C430	Ceramic, 1000P	2203-000438	
C431	Ceramic, 0.01U	2203-000254	
C432	Ceramic, 1000P	2203-000438	
C433	Ceramic, 0.01U	2203-000254	
C434	Ceramic, 1000P	2203-000438	

NO	DESCRIPTION	SEC. CODE	REMARK
C435	Ceramic, 0.01U	2203-000254	
C436	Ceramic, 1000P	2203-000438	
C437	Ceramic, 0.01U	2203-000254	
C438	Ceramic, 8200P	2203-001210	
C439	Tantalum, Chip, 10uF/6.3V	2404-000139	
C440	Tantalum, Chip, 100uF/10V	2404-000278	
C441	Tantalum, Chip, 10uF/6.3V	2404-000139	
C442	Ceramic, 1000P	2203-000438	
C443	Ceramic, 0.01U	2203-000254	
C448, C449	Ceramic, Chip, 1000P	2203-000438	
C450-C453	Ceramic, 1000P	2203-000438	
C454	Ceramic, 1000P	2203-000438	
C455	Ceramic, 0.01U	2203-000254	
C456	Ceramic, 2200P	2203-000489	
C457	Ceramic, 0.01U	2203-000254	
C458~C462	Ceramic, 1000P	2203-000438	
C463	Inductor, SMD, 27NH	2703-001306	
C464	Inductor, SMD, 3.3nH	2703-001178	
C465	Ceramic, 1000P	2203-000438	
C466, C467	Ceramic, 0.01uF	2203-000254	
C468	Ceramic, 1000P	2203-000438	
C469	Ceramic, 1000P	2203-000438	
C470	Ceramic, 0.01U	2203-000254	
C471	Ceramic, 1000P	2203-000438	
C472, C473	Ceramic, 0.01U	2203-000254	
C474	Tantalum, Chip, 10uF/16V	2404-000284	
C475	Ceramic, 0.01U	2203-000254	
C476	Ceramic, 0.047uF	2203-001432	
C478	Ceramic, 0.01U	2203-000254	
C479	Ceramic, 1000P	2203-000438	
C481	Ceramic, 0.01U	2203-000254	
C482	Tantalum, Chip, 2.2U/16V	2404-000167	
C483, C484	Ceramic, 0.01U	2203-000254	
C485	Tantalum, Chip, 10uF/6.3V	2404-000139	
C489	Ceramic, 0.1U	2203-000189	
C490	Ceramic, 0.01U	2203-000254	
C491	Ceramic, 100P	2203-000234	
C492	Ceramic, 0.01U	2203-000254	
C493	Ceramic, 100P	2203-000234	
C495	Ceramic, 0.01U	2203-000254	
C496	Ceramic, 1000P	2203-000438	

NO	DESCRIPTION	SEC. CODE	REMARK
- Diodes -			
D101	Diode, Schottky, RB160L-40TE25	0404-000115	
D102	Diode, Array, KDS226	0407-000122	
D103	Diode, Array, DAN202UT106	0407-000115	
D104	Diode, Array, KDS226	0407-000122	
D105, D106	Diode, Array, DAN202UT106	0407-000115	
D107, D108	Diode, Array, DA204U	0407-000127	
D109	LED, CL-150HR	0601-000355	
D301	Diode, Pin, RN731V	0409-000108	
D302	Diode, Array, DAN235E	0407-001018	
D401-D404	Diode, Varactor, 1SV229	0405-000107	
D450, D451	Diode, Shottky	0404-000161	
D481	Diode, Array, DA204U	0407-000127	
- Filters -			
F301	Filter, Duplex, DFY2R836CR881BHA	2909-001004	
F302	Filter, Saw, FAR-F5CH-881M50-L2AV	2904-001011	
F303	Filter, Saw, FB, E528	2904-000297	
F304	Filter, Saw, SAFC85380MA40X-TC	2904-001074	
F450	Filter, BPF, SAFC130.4MSA31T-TC	GH29-30502A	
F451, F452	Filter, Saw, FAR-F5CH-836M50-L2AW	2904-001012	
- Connectors -			
J101	Connector, Socket, AXN424C330P	3710-001117	
J102	Connector, Socket, 97-8005-002-0	3710-001105	
J103	Connector, Header, AXK650345P	3711-002048	
J301	CBF, Coaxial, Cable, 103MM	GH39-30504A	
J302	Connector, Socket, 16P, 2R	3710-001140	
- Coils -			
L34	Inductor, SMD, 3.3NH	2703-001178	
L101	Inductor, Chip, 33UH	2703-001429	
L102	Inductor, Chip, 1UH	2703-000300	
L301	Inductor, SMD, 15NH	2703-001190	
L302	Inductor, SMD, 27NH	2703-001306	
L303	Inductor, SMD, 10nH	2703-001179	
L304	Inductor, SMD, 3.3NH	2703-001178	
L305	Inductor, SMD, 1uH	2703-000300	

NO	DESCRIPTION	SEC. CODE	REMARK
L307	Inductor, SMD, 27N	2703-001181	
L308	Inductor, SMD, 56N	2703-001175	
L309	Inductor, SMD, 390N	2703-000297	
L310	Inductor, SMD, 330N	2703-000190	
L311	Inductor, SMD, 390N	2703-000261	
L313	Inductor, SMD, 470N	2703-000213	
L314	Inductor, SMD, 1U	2703-000300	
L316	Inductor, SMD, 56N	2703-001175	
L317-L319	Inductor, SMD, 100nH	2703-001172	
L333	Inductor, SMD, 3.3nH	2703-001178	
L341	Inductor, SMD, 6.8NH	2703-001296	
L342	Inductor, SMD, 1.8U	2703-000310	
L343	Inductor, SMD, 1U	2703-000300	
L352	Inductor, SMD, 4.7nH	2703-001263	
L391	Inductor, SMD, 8.2N	2703-000241	
L401	Inductor, SMD, 27N	2703-000304	
L402	Inductor, SMD, 100N	2703-001045	
L403	Inductor, SMD, 750N	2703-000237	
L404	Inductor, SMD, 100N	2703-000109	
L451, L452	Inductor, SMD, 2.7uH	2703-000301	
L453	Inductor, SMD, 270nH	2703-000175	
L455	Inductor, SMD, 1U	2703-000300	
L456	Inductor, SMD, 220N	2703-000295	
L457	Inductor, SMD, 15nH	2703-001041	
L463	Inductor, SMD, 100N	2703-001172	
L473, L475	CORE_FERRITE	3301-001003	
- Transistors -			
Q102	NPN, 2SC4081BRT106	0501-000218	
Q103	Digital, RN1104	0504-000168	
Q108	NPN, 2SC4081BRT106	0501-000218	
Q109	Small Signal, MMBT2222A	0501-000457	
Q111	Digital, RN2104	0504-000172	
Q113	Small Signal, MMBT2222A	0501-000457	
Q114	NPN, 2SC4081BRT106	0501-000218	
Q115	Small Signal, MMBT2222A	0501-000457	
Q116	Small Signal, 2SA1576	0501-000162	
Q117	Digital, RN1104	0504-000168	
Q119	Digital, RN1102	0504-000167	
Q120	Digital, RN2104	0504-000172	

NO	DESCRIPTION	SEC. CODE	REMARK
Q301	NPN, 2SC4081BRT106	0501-000218	
Q302	NPN, 2SC5185	0501-002064	
Q303	NPN, 2SC4959	0501-002063	
Q304	PNP, Digital, DTA114EU	0504-000105	
Q342	Small Signal, NPN, 2SC4226	0501-000689	
Q450	Small Signal, 2SA1213	0501-000158	
Q451	NPN, 2SC4081BRT106	0501-000218	
Q452	Small Signal, 2SA1576	0501-000162	
Q453	NPN, 2SC4081BRT106	0501-000218	
Q454	Digital, RN1102	0504-000167	
Q455	SC4081, NPN	0501-000218	
Q481, Q482	Digital, RN1102	0504-000167	
Q483	FET-P, SI9933	0505-000329	
Q485	Digital, DTA114EE, PNP	0504-001016	
- Resistors -			
R43	REF, Chip, 10K	2007-000148	
R101	Chip, 100K, 1%	2007-007107	
R102	Chip, 47K, 1%	2007-007139	
R103	REF, Chip, 100K	2007-000162	
R104	REF, Chip, 1.8K	2007-001320	
R105	REF, Chip, 100K	2007-000162	
R106	REF, Chip, 22K	2007-000153	
R107	Chip, 0.1	2007-007063	
R108	REF, Chip, 100K	2007-000162	
R109	REF, Chip, 47K	2007-000157	
R110, R111	REF, Chip, 100K	2007-000162	
R112	REF, Chip, 1K	2007-000140	
R113	REF, Chip, 270K	2007-000636	
R114, R115	REF, Chip, 150K	2007-000164	
R116	REF, Chip, 0 Ω	2007-000171	
R117	REF, Chip, 4.7K	2007-000143	
R118	REF, Chip, 100K	2007-000162	
R119	REF, Chip, 22K	2007-000153	
R120	REF, Chip, 10K	2007-000148	
R121	Chip, 27K, 1%	2007-007138	
R122	REF, Chip, 22K	2007-000153	
R123	REF, Chip, 100K	2007-000162	
R127	Chip, 470	2007-000932	
R128	REF, Chip, 47K	2007-000157	

NO	DESCRIPTION	SEC. CODE	REMARK
R129	REF, Chip, 4.7K	2007-000143	
R130	REF, Chip, 2K	2007-000137	
R131	REF, Chip, 22K	2007-000153	
R132	REF, Chip, 47K	2007-000157	
R133, R134	REF, Chip, 20K	2007-000152	
R135	REF, Chip, 10K	2007-000148	
R136	REF, Chip, 75K	2007-007021	
R137	REF, Chip, 1M	2007-000170	
R139	REF, Chip, 47K	2007-000157	
R140	REF, Chip, 4.7K	2007-000143	
R141	Chip, 1.2K	2007-001319	
R142	REF, Chip, 15K	2007-000151	
R143, R144	REF, Chip, 10K	2007-000148	
R145	REF, Chip, 4.7K	2007-000143	
R147	REF, Chip, 1K	2007-000140	
R148	REF, Chip, 56K	2007-000159	
R149	REF, Chip, 62K	2007-003023	
R151	REF, Chip, 0	2007-000171	
R152	REF, Chip, 15K	2007-000151	
R153	REF, Chip, 1K	2007-000140	
R154	REF, Chip, 100	2007-000138	
R155	Chip, 470	2007-000932	
R156-R159	REF, Chip, 20K	2007-000152	
R160, R161	Chip, 3.9K	2007-007001	
R162	Chip, 150	2007-001306	
R165	REF, Chip, 0	2007-000171	
R166	REF, CHIP, 180K	2007-001339	
R170	CHIP, 150	2007-001306	
R171	REF, Chip, 100K	2007-000162	
R173	REF, Chip, 4.7K	2007-000143	
R174	REF, Chip, 10K	2007-000148	
R175	Chip, 91K	2007-001244	
R176	REF, Chip, 4.7K	2007-000143	
R177	Chip, 39K	2007-000831	
R178	REF, Chip, 10K	2007-000148	
R179	Chip, 3.9K	2007-007001	
R180	REF, Chip, 10K	2007-000148	
R181	REF, Chip, 22K	2007-000153	
R182	REF, Chip, 10K	2007-000148	

NO	DESCRIPTION	SEC. CODE	REMARK
R183	REF, Chip, 0	2007-000171	
R184, R185	REF, Chip, 10K	2007-000148	
R186, R187	Chip, 180	2007-001307	
R188	REF, Chip, 1K	2007-000140	
R189	REF, Chip, 22K	2007-000153	
R190	Chip, 3.3K	2007-001325	
R191	Chip, 36	2007-001294	
R192	REF, Chip, 47K	2007-000157	
R193, R194	Chip, 36	2007-001294	
R198	REF, Chip, 0 Ω	2007-000171	
R199	REF, Chip, 56K	2007-000159	
R208	REF, Chip, 180K	2007-001339	
R209	REF, Chip, 10K	2007-000148	
R210	REF, Chip, 150K	2007-000164	
R211	REF, Chip, 100K	2007-000162	
R212, R213	REF, Chip, 10K	2007-000148	
R214	REF, Chip, 150	2007-001306	
R242, R243	REF, Chip, 10K	2007-000148	
R301	REF, Chip, 430	2007-003019	
R302	REF, Chip, 3.9K	2007-007001	
R303	REF, Chip, 2.2K	2007-000141	
R304	REF, Chip, 39	2007-001295	
R305	REF, Chip, 270	2007-001311	
R306	REF, Chip, 10	2007-000172	
R307	Chip, 18K	2007-001333	
R309, R310	REF, Chip, 220	2007-000139	
R313	REF, Chip, 15	2007-002965	
R314	REF, Chip, 2.2K	2007-000141	
R315	REF, Chip, 100K	2007-000162	
R341	Chip, 0	2007-000171	
R342	REF, Chip, 75K	2007-007021	
R344	Chip, 47	2007-000174	
R345	REF, Chip, 430	2007-003019	
R346	REF, Chip, 1K	2007-000140	
R347	REF, Chip, 33	2007-001292	
R348, R349	REF, Chip, 10	2007-000172	
R350	Chip, 180	2007-001307	
R351	Chip, 13	2007-003003	
R354	REF, Chip, 100	2007-000138	

NO	DESCRIPTION	SEC. CODE	REMARK
R356	REF, Chip, 100	2007-000138	
R361	REF, Chip, 10K	2007-000148	
R372	REF, Chip, 2.7K	2007-000142	
R381	REF, Chip, 100K	2007-000162	
R382	REF, Chip, 47K	2007-000157	
R401	REF, Chip, 10	2007-000172	
R402	Chip, 1.2K, 1%	2007-007137	
R403	Chip, 10K, 1%	2007-007142	
R404	Chip, 300, 1%	2007-007133	
R405	REF, Chip, 0	2007-000171	
R406-R409	REF, Chip, 10K	2007-000148	
R410	Chip, 1.8K	2007-001320	
R411	Chip, 39K, 1%	2007-007134	
R413-R415	REF, Chip, 10K	2007-000148	
R416	REF, Chip, 1K	2007-000140	
R417	REF, Chip, 2K	2007-000137	
R418, R419	REF, Chip, 10	2007-000172	
R420-R423	REF, Chip, 0	2007-000171	
R424	REF, Chip, 1K	2007-000140	
R446, R447	REF, Chip, 39	2007-001295	
R450~R452	REF, Chip, 4.7K	2007-000143	
R454	REF, Chip, 1K	2007-000140	
R455	REF, Chip, 27K	2007-000155	
R456	Chip, 200K	2007-000165	
R457	Chip, 10K	2007-000148	
R458	REF, Chip, 15K	2007-000151	
R459	REF, Chip, 150K	2007-000164	
R460	REF, Chip, 100K	2007-000162	
R461	REF, Chip, 1K	2007-000140	
R463	REF, Chip, 3K	2007-001323	
R464	REF, Chip, 2.7K	2007-000142	
R465	REF, Chip, 10K	2007-000148	
R466	REF, Chip, 1K	2007-000140	
R467	REF, Chip, 560 Ω	2007-002797	
R468	REF, Chip, 27	2007-003112	
R473	REF, Chip, 6.8K	2007-000146	
R474	REF, Chip, 22K	2007-000153	
R475	REF, Chip, 2K	2007-000137	

NO	DESCRIPTION	SEC. CODE	REMARK
R476	REF, Chip, 2.7K	2007-000142	
R477	REF, Chip, 820 Ω	2007-001316	
R478	REF, Chip, 47K	2007-000157	
R481, R482	REF, Chip, 47K	2007-000157	
R483, R484	REF, Chip, 47K	2007-000157	
R485	REF, Chip, 10K	2007-000148	
R486	REF, Chip, 1K	2007-000140	
R488	Chip, 13K, 1%	2007-007131	
R489	Chip, 4.7K, 1%	2007-007136	
R490	Chip, 1.2K	2007-001319	
- IC's -			
U101	IC, LIN, Q5270I-1S2	1205-001196	
U105	IC, CMOS Logic, TC7S04F	0801-002192	
U108	IC-Analog, Switch, TC4S66	1001-000133	
U109	IC, OP-Amp	1201-001006	
U111	IC, Audio Amp, KA8602BD	1201-000103	
U113	IC, EEPROM, AT24C128	1103-001062	
U114	IC, TTL, TC4W53FU	0803-003010	
U117	IC, ASP, TLV320AC36IPTR	1204-001106	
U121	IC, Voltage	1203-001335	
U122	IC, Voltage, TK11233AMTL	1203-000384	
U123	IC, DC/DC Converter, LTC1265	1203-001039	
U124	IC, Voltage, TK11250MTL	1203-000387	
U301	GN2011	0505-001062	
U302	IC, AGC, Amp	1201-001318	
U303	IC, RF, Power, Splitter	4709-001080	
U341	Oscillator, VCO	2806-001175	
U342	IC, Synthesizer, LMX1511TMX	1209-000142	
U343	Oscillator, TXCO, VCTCXO-111C	2809-000130	
U371	Thermistor, NTC, NTH5G36B103J01	1404-001040	
U381, U382	IC, Voltage, MIC5205-3.6BM5	1203-001107	
U401	IC, LIN, Q5312I-1S2	1205-001203	
U402	IC, PLL, Synthesizer	1209-001078	
U460	IC, AGC, Amp	1201-001076	

NO	DESCRIPTION	SEC. CODE	REMARK
U461	IC, Mixer	1205-001230	
U462	IC, OP Amp, LMC7101AIM	1201-001006	
U463	IC, Analog Switch, TC4S66	1001-000133	
U464	IC, RF, Amp	1201-001161	
U467	IC, Hybrid, Power Amp, R121002	GH13-10560A	
U468	Frequency Isolator, S17TL0836M-T	4709-000129	
U481	IC, Analog S/W, BU4051BCFV	1001-001019	
U482	IC, Voltage, MIC5205-3.6BM5	1203-001107	
- Miscellaneous -			
ANT	Antenna, 3218.5	GH42-10500A	
M101	Display, LCD	GH07-20531A	
MOTOR1	Motor, DC, FM-25A	GH31-10003A	
X101	Resonator, Ceramic, 27MHz	2802-001048	

10-1-2 Memory Board Assembly

NO	DESCRIPTION	SEC. CODE	REMARK
- Capacitors -			
C198, C199	Ceramic, 0.1U	2203-000189	
- Connector -			
J9	Connector, Socket, AXN550145P	3710-000306	
- Resistor -			
R208	REF, Chip, 6.8K	2007-000160	
- IC's -			
U126	IC, FROM, MBM29LV800T	1107-001033	
U127	IC, SRAM, KM68V2000BLTI-10L	1106-001130	

10-2 Rapid Charger

NO	DESCRIPTION	SPECIFICATION	QTY
- Capacitors -			
C1	MP CAP	250VAC 0.1uF M "X"	1
C2	CAP EL	400V22UF 85°C 13X20	1
C3	MY. CAP	100V 0.0015UF J	1
C4	CHIP CAPACITOR	0.22uF Z, 1206	1
C5	CAP EL	16V 47uF, 5X7 85°C	2
C6	CHIP CAPACITOR IC HYBRID	0.1uF Z, 0805 AH1511A	9 1
C7	CHIP CAPACITOR	0.00047uF J, 1206	2
C8	CAP EL	16V 330UF, 8X11.5 105°C	3
C9	CAP EL	16V470UF, 10X12.5 105°C	1
C10	CHIP CAPACITOR	0.00047uF J, 1206	2
C11	CAP EL	10V 1000uF 105°C 10X16	1
C12	CAP EL	16V 330UF, 8X11.5 105°C	3
C13	CE.CAP	250VAC 222-Y1	1
C14-18	CHIP CAPACITOR IC HYBRID	0.1uF Z, 0805 AH1511A	9 1
C19	CAP EL	16V 330UF, 8X11.5 105°C	3
C21-23	CHIP CAPACITOR IC HYBRID	0.1uF Z, 0805 AH1511A	9 1
C24	CAP EL	16V 47uF, 5X7 85°C	2
C24	CHIP CAPACITOR	0.22uF Z, 0805	1
- Diodes -			
D1	T.V.S DIODE	600W 200V +/-5% SOD-57	1
D2	DIODE UF	1KV 1A	1
D3	DIODE SW	75V 225MA, DO-35	1
D4, 5	DIODE SCHOTKY	5A 60V DO-201AD	2
D6, 7, 8	DIODE SCHOT	40V 1A, DO-41	3
- Connectors -			
JP1	JUMP WIRE	0.6PHI 10mm	4
JP2	JUMP WIRE	0.6PHI 7.5mm	2

NO	DESCRIPTION	SPECIFICATION	QTY
JP4	JUMP WIRE	0.6PHI 10mm	4
JP5	JUMP WIRE	0.6PHI 7.5mm	2
JP6	JUMP WIRE	0.6PHI 10mm	4
JP10, 11	JUMP WIRE	0.6PHI 12.5mm	3
JP12	JUMP WIRE	0.6PHI 10mm	4
JP24	JUMP WIRE	0.6PHI 12.5mm	3
- Coils -			
L1	CHOKE ASS'Y	13PHI, 82Ts 0.4M/M	1
L2, 3	CHOKE ASS'Y	DR6.5, 0.5-17.5TS	1
- Resistors -			
R1	CHIP RESI	6.2 OHM J, MCR18	1
R2	CHIP RESI	3.3K OHM J, MCR18	1
R5, 6	CHIP RESI	1 OHM F, MCR18	4
R8	CHIP RESI	68 OHM J, MCR18	1
R11, 12	CHIP RESI	1 OHM F, MCR18	4
R13	CHIP RESI	1.5 KOHM F, MCR10	1
R14	CHIP RESI	2.2 KOHM F, MCR10	1
R15, 16	SURGE RESISTOR	PPSR 0.5W 4.7M OHM	2
R17	CHIP RESI	470 OHM J, MCR18	1
R18	CHIP RESI	10K OHM J, MCR10	1
- Miscellaneous -			
1CARTON=1/40	CARTON BOX	3PO349A0, (SAMSUNG)	0.025
1CARTON=2/40	MAIN BOARD	3PO-230A, (CM-RC800)	0.050
1CARTON=12/40	CARD BOARD (A)	3PO-231A, (CA-RC800)	0.300
1CARTON=6/40	CARD BOARD (B)	3PO-232A, (CB-RC800)	0.150
1CARTON=1/40	PAD	3PO-233A, (CP-RC800)	0.020
	VINYL SACK	4PO-393, 170X350X. 05	1
BD1	DIODE BRDG	600V 1A, DB TYPE	1

NO	DESCRIPTION	SPECIFICATION	QTY
BOTTOM & TOP	SCREW	VH, T2.6X12(2W), BLK	4
	BAT. CONTACT	4P, SMALL (DTC10)	1
	BAT. CONTACT	4P, LARGE (DTC10)	1
	HEAT SINK	4PO-396A	1
	SCREW	BH, M3X5, B/Z	1
CASE BOTTOM	BUMPON	10X1.6T	4
CASE TOP	LABEL	4LO-210A, GATE	1
	LABEL	4PL315A0, (DTC58)	1
CON1	CONN. HEADER	2PIN	1
F1	MICRO FUSE	250VAC 1A/TR5-T, TUV	1
HOOK & HOUSING	SCREW	VH, T2. 6X6(2W), BLK	4
HOUSING & TOP	SCREW	VH, T3X8, BLK	3
IC1	IC PWM P/S	220VAC, 3PIN	1
IC3	IC V. REF	36V 100MA 1%	1
IC7	IC OPTO	32V, 50mA, 4PIN	1
		55V, 60mA, 4PIN, GB	
LED1, 2	LED ASS'Y LED	4PO-371A	2
		RECT, 5X2, (RED/GRN)	1
LF1	LINE FILTER	UU9.8 125Ts	1
MOV1	VARISTOR M. O. V	300V 3KA 'VDE'	1
		300V, PHI 12	1
PTF1	DTC58 TRANS	MAIN TRANS ASS'Y	1
Q1, 2, 3	TRANSISTOR	SOT-89	3
SK1, 2	CONN. HEADER	4PIN (5267-04A)	2
SK1 (INPUT)	AC POWER CORD	3PH113A0, (DTC58)	1
	BATTERY HOUSING	2PO-096, (RC800)	1
	CASE BOTTOM	1PO-044, (RC800)	1
	CASE TOP	1PO-043A, (RC800)	1
	HOOK ASY (LEFT)	4PO-380, (RC800)	1
	HOOK ASY (RIGHT)	4PO-381, (RC800)	1
TH1	THERMISTOR	10K OHM / 25'C	1
U10	MICOM IC P. C. B	PIC16C72, 28PIN SOP	1
		DTC58 PCB(CEM-1 1.2T)	1
VR1	SEMI-FIXED RES	1K 0HM 20% TOP	1

10-3 Hands-free Kit

NO	DESCRIPTION	SPECIFICATION	QTY
- Capacitors -			
C1		100nF -Z (104)	14
C2		3.3nF -Z (332)	2
C3		470pF -Z (471)	2
C4, C5		100nF -Z (104)	14
C6		3.3nF -Z (332)	2
C7		100nF -Z (104)	14
C8		1nF -Z (102)	7
C9		220nF -Z (224)	5
C10		2.2nF -Z (222)	1
C11		470pF -Z (471)	2
C12		220nF -Z (224)	5
C13		1nF -Z (102)	7
C14, C15		100nF -Z (104)	14
C16, C17		47nF -Z (473)	3
C18		1nF -Z (102)	7
C19, C20		100nF -Z (104)	14
C21		4.7nF -Z (472)	1
C22		220nF -Z (224)	5
C23, C24		100nF -Z (104)	14
C25		300nF -Z (304)	2
C26		22nF -Z (223)	1
C27		300nF -Z (304)	2
C28, C29		220nF -Z (224)	5
C30		47nF -Z (473)	3
C31-C33		1nF -Z (102)	7
C34		10nF -Z (103)	1
C35-C38		100nF -Z(104)	14

NO	DESCRIPTION	SPECIFICATION	QTY
C39		1nF -Z (102)	7
C40, C41	CL-F-21 (0805)	47pF -Z (470)	2
- Connectors -			
CON1	HIROSE20	HIROSE20	1
CON2	MJ-25-1	MJ-25-01	1
CON4	HIROSE13	HIROSE13	1
- Diodes -			
D1	AXIAL	P6KE39A	1
D2	DIODE SCHOTTKEY (SMD)	LL5819	2
D3, D4	DIODE RECTIFIER (SMD)	LL4004	2
D5	DIODE SCHOTTKEY (SMD)	LL5819	2
D6	ZENER DIODE (SMD)	5.1V	3
D7, D8	SIODE SWITCH (SMD)	LL4148	2
D9-D14	ZENER DIODE (SMD)	6.2V	6
D15, C16	ZENER DIODE (SMD)	5.1V	3
- Transistors -			
Q1	TO-126S	B1151Y	3
Q2	SOT-23	KSR1101	1
Q3	SOT-23	KST3906	1
Q4	TO-126S	B1151Y	3
Q5	SOT-23	KSR1109(KRC110S)	1
Q6	SOT-23	KSR1102	1
Q7	TO-126S	B1151Y	3
Q8	SOT-23	KSR1103	1
Q11, Q12	SOT-23	KSR1104	4
Q13	TO-220S	IRFU9024	1
Q14, Q15	SOT-23	KSR1104	4
- Resistors -			
R1		200, 1/4W	3

NO	DESCRIPTION	SPECIFICATION	QTY
R2	RC-1210	100, 1/4W	2
R3, R4		400, 1/4W	4
R5-R9	RC-0805	1 -J	11
R10		300 -J	1
R11		6.2K -J	1
R12		3.9K -J	9
R13		10K -J	11
R14		2.2K -J	1
R14+		1K -J	7
R14++		15K -J	4
R15		200, 1/4W	3
R15+		5.1K -J	4
R15+++		100K -J	6
R16		5.1K -J	4
R17-R19	RC-0805	1 -J	11
R20		200, 1/4W	3
R21	RC-1210	100, 1/4W	2
R22, R23		400, 1/4W	4
R24		51K/1% -F	1
R25		10K/1% -F	1
R26		220 -J	1
R27, R28		2K -J	2
R29		5.6K -J	2
R30		10K -J	11
R31		7.5K -J	1
R32		100K -J	6
R33		3.9K -J	9
R34		6.8K -J	1
R35		56K -J	2

NO	DESCRIPTION	SPECIFICATION	QTY
R36		3.9K -J	9
R37		8.2K -J	4
R38		15K -J	4
R39		27K -J	1
R40		62K -J	1
R41		120K -J	2
R42		240K -J	1
R43		510K -J	1
R44		8.2K -J	4
R45		3.9K -J	9
R46, R47		150K -J	4
R48		56K -J	2
R49-R51		20K/1% -F	4
R52		3.9K -J	9
R53		20K/1% -F	4
R54		51K -J	3
R55		10K -J	11
R56		68K -J	2
R57		120K -J	2
R58		39K -J	1
R59		82K -J	1
R60		5.6K -J	2
R61		3K -J	4
R62		8.2K -J	4
R63		3K -J	4
R64		3.9K -J	9
R65		1K -J	7
R66		15K -J	4
R67		3.9K -J	9
R68		51K -J	3

NO	DESCRIPTION	SPECIFICATION	QTY
R69		8.2K -J	4
R70		100K -J	6
R71		22K -J	1
R72		3K -J	4
R73		24K -J	1
R74		3.9K -J	9
R75		15K -J	4
R76		5K -J	1
R77		20K -J	4
R78		30K -J	2
R79		100K -J	6
R80		1K -J	7
R81	RC-0805	1 -J	11
R82, R83		150K -J	4
R84		5.1K -J	4
R85		100K -J	6
R86		3.9K -J	9
R87		3K -J	4
R88		51K -J	3
R89		4.3K -J	1
R90	POTENTIONMETER	4.7K	1
R91, R92		100K/1% -F	2
R93-R95		10K -J	11
R96		1K -J	7
R98, R99		10K -J	11
R100		100K -J	6
R101		68K -J	2
R102-R104		20K -J	4
R106		10K -J	11

NO	DESCRIPTION	SPECIFICATION	QTY
R107		30K -J	2
R108		5.1K -J	4
R109, R110		10K -J	11
R113-R115		1K -J	7
- IC's -			
U1	SOP-8	LM2904	1
U2	SOP-8	LM2903	1
U3	SOP-8	NJM2360M	1
U4, U5	TO-92W	KIA78L05	2
U6	SOP-14	LM2902	2
U7	SO-16	MC14051	2
U8	SOP-14	LM2902	2
U9	DIL-16	TDA1905	1
U10	SO-16	MC14051	2
U11	DIL-28	PIC16C73	1
- Miscellaneou -			
E1, E2		470u/35V (10X16)	2
E3		470u/16V (8X11.5)	4
E4		4.7u/50V (5X11)	1
E5	ELEC	1u/50V (5X11)	2
E6		10u/16V (5X11)	3
E7		470u/16V (8X11.5)	4
E8	ELEC	1u/50V (5X11)	2
E9		100u/10V (5X11)	1
E10, E11		10u/16V (5X11)	3
E12		4u7/8V (5X11)	1
E13		470u/16V (8X11.5)	4
E14		47u/16V (5X11)	1
E15		470u/16V (8X11.5)	4
E16		22u/16V (5X11)	1

NO	DESCRIPTION	SPECIFICATION	QTY
L3, L4	INDUCTOR	400uH (L TYPE)	2
PCB	127X86X1.6T FR4		1
SPEAKER		4 ohm/3W	1
X1	X-TAL	3.6864MHZ	1
	WAFER 2PIN (2.54mm)	STRAIGHT	1
	DATA CABLE ASS'Y		1
	CURL CORD ASS'Y		1
	2PIN HARNESS ASS'Y		1
	MIC ASS'Y		1
	POWER CABLE ASS'Y	FUSE(250V 1.5A)	1

10-4 SCH-210 Holder

NO	DESCRIPTION	SPECIFICATION	QTY
- Capacitors -			
C1	CL-F-21(0805)	220pF-Z (221)	1
C2-C5		10nF-Z (103)	4
- Transistors -			
Q1-Q3	SOT-23	KSR1104	3
- Resistors -			
R1		1K-J	3
R2	RC-3216	12K-J	1
R4		1K-J	3
R5	RC-0805	1.5K-J	1
R6		1K-J	3
R7		220-J	1
- Miscellaneou -			
HJ3	LEDCON	SAM5270	1
J1	PHOTO INTERRUPT	SG-215	1
PCB	52X53.1X1.6T FR4		1
TH1	THERMISTER	10K-J	1
U\$3	WAFER R/ANGLE	15p-2mm	1
U\$15	WAFER R/ANGLE	12p-2mm	1

MEMO