

9. PARTS LIST

SEC CODE	DESCRIPTION	B'D PART NO	QTY
GH42-10511A	"ANTENNA, 824-893MHz"	-	1
GH07-20539A	DISPLAY-LCD	LCD	1
GH39-20008A	CBF SIGNAL	J301	1
0401-001052	"DIODE-SWITCHING:MCL4148,100V"	D101,D109	2
0405-000107	"DIODE-VARACTOR:1SV229,15V"	D401,D402,D403,D404	4
0407-000115	"DIODE-ARRAY:DAN202U,80V"	D103,D105,D106	3
0407-000122	"DIODE-ARRAY:KDS226,80V"	D102,D104	2
0407-000127	"DIODE-ARRAY:DA204U,20V"	D481,D107,D108	3
0409-000108	"DIODE-PIN:RN731V,50V"	D301	1
0501-000162	"TR-SMALL SIGNAL:2SA1576,PNP"	Q116,Q452,Q450	3
0501-000218	"TR-SMALL SIGNAL:2SC4081,NPN"	Q108,Q114,Q102,Q112	4
0501-000218	"TR-SMALL SIGNAL:2SC4081,NPN"	Q301,Q451	2
0501-000457	"TR-SMALL SIGNAL:MMBT2222A	Q109,Q113,Q115	3
0501-000689	"TR-SMALL SIGNAL:2SC4226,NPN"	Q304	1
0501-002063	"TR-SMALL SIGNAL:2SC4959,NPN"	Q303	1
0504-000167	"TR-DIGITAL:RN1102,NPN"	Q482,Q481,Q119	3
0504-000168	"TR-DIGITAL:RN1104,NPN"	Q103,Q121	2
0504-000172	"TR-DIGITAL:RN2104,PNP"	Q111,Q120	2
0504-001016	"TR-DIGITAL:DTA114EE,PNP"	Q485	1
0505-001062	"FET-GaAs:GN2011,5V"	U301	1
0505-001095	FET-SILICON:SI6801DQ	U106	1
0505-001119	FET-SILICON:2SK2685	Q302	1
0505-001165	FET-SILICON:SI3443DV	U104	1
0505-001170	FET-SILICON:SI9933ADY-T1	U484	1
0601-000355	"LED:CHIP,RED,2.0x1.6mm"	D116	1
0801-002192	"IC-CMOS LOGIC:7S04,INVERTER"	U105	1
0803-003010	"IC-TTL:4W53,MUX/DEMUX"	U114	1
1001-001019	IC-ANALOG MULTIPLEX:BU4051	U481	1
1103-001062	"IC-EEPROM:24C128,16Kx8BIT,SOP"	U102	1
1201-000103	"IC-AUDIO AMP:8602,SOP"	U111	1
1201-001006	"IC-OP AMP:7101,SOT-23"	U463,U462	2
1201-001090	"IC-PREAMP:TA4004F,SOP"	U385	1
1201-001175	"IC-PREAMP:01037,SOP"	U464	1
1201-001176	"IC-PREAMP:01038,SOP"	U461	1
1201-001257	"IC-AGC AMP:CXA3221N-T4,SOP"	U302	1
1201-001259	IC-POWER AMP:23124	U467	1
1202-000192	IC-VOLFAGECOMP:75W393	U118	1
1203-000392	"IC-RESET:809,SOP"	UX102	1
1203-001107	"IC-VOLTAGE REGULATOR:5205,SOP"	U482	1
1203-001256	"IC-VOLTAGE REGULATOR:5205,SOT	U382	1
1203-001285	"IC-SWITCH VOL. REG.:5205,SOT-23	U483	1
1203-001335	"IC-VOLTAGE REGULATOR:7333,SOP"	U124	1
1203-001390	"IC-VOLTAGE REGULATOR:1R33,SOP"	U122,UX101	2

1203-001396 "IC-PWM CONTROLLER:9160,SOP"	U123	1
1204-001106 "IC-ASP:TLV320AC36IPT,QFP"	U117	1
1204-001407 "IC-IF CIRCUIT:CXA3003BR,LQFP"	U401	1
1205-001196 "IC-DATA COMM./GEN.:Q5270,QFP"	U101	1
1205-001253 "IC-MIXER:uPC8109T,SOP"	U460	1
1209-000142 "IC-SYNTHESIZER:LMX1511TMX,SOP"	U342	1
1209-001078 IC-PLL/SYNTHESIZER:MB15S24PFV	U402	1
1404-001040 "THERMISTOR-NTC:10Kohm,5%"	R498	1
2007-000070 "R-CHIP:0ohm,5%,1/16W"	L450	1
2007-000137 "R-CHIP:2Kohm,5%,1/16W"	R417,R130	2
2007-000138 "R-CHIP:100ohm,5%,1/16W"	R154	1
2007-000140 "R-CHIP:1Kohm,5%,1/16W"	R205,R188,R132,R147	4
2007-000140 "R-CHIP:1Kohm,5%,1/16W"	R209,R156,R158,R192	4
2007-000140 "R-CHIP:1Kohm,5%,1/16W"	R345,R451,R416,R346	4
2007-000140 "R-CHIP:1Kohm,5%,1/16W"	R109	1
2007-000141 "R-CHIP:2.2Kohm,5%,1/16W"	R164,R128,R314	3
2007-000142 "R-CHIP:2.7Kohm,5%,1/16W"	R475,R456,R491	3
2007-000143 "R-CHIP:4.7Kohm,5%,1/16W"	R140,R402,R141,R145	4
2007-000143 "R-CHIP:4.7Kohm,5%,1/16W"	R129,R466,R173,R176	4
2007-000143 "R-CHIP:4.7Kohm,5%,1/16W"	R152	1
2007-000146 "R-CHIP:6.8Kohm,5%,1/16W"	R455	1
2007-000148 "R-CHIP:10Kohm,5%,1/16W"	R143,R174,R157,R159	4
2007-000148 "R-CHIP:10Kohm,5%,1/16W"	R183,R185,R178,R144	4
2007-000148 "R-CHIP:10Kohm,5%,1/16W"	R197,R196,R180,R182	4
2007-000148 "R-CHIP:10Kohm,5%,1/16W"	R200,R203,R206,R207	4
2007-000148 "R-CHIP:10Kohm,5%,1/16W"	R305,R406,R407,R337	4
2007-000148 "R-CHIP:10Kohm,5%,1/16W"	R413,R415,R485,R460	4
2007-000148 "R-CHIP:10Kohm,5%,1/16W"	R496,R462,R464,R473	4
2007-000148 "R-CHIP:10Kohm,5%,1/16W"	R414,RX302,RX303	3
2007-000148 "R-CHIP:10Kohm,5%,1/16W"	U485	1
2007-000149 "R-CHIP:12Kohm,5%,1/16W"	R103,RX304	2
2007-000151 "R-CHIP:15Kohm,5%,1/16W"	R208,R307	2
2007-000152 "R-CHIP:20Kohm,5%,1/16W"	R133,R134	2
2007-000153 "R-CHIP:22Kohm,5%,1/16W"	R181,R131,R119,R189	4
2007-000153 "R-CHIP:22Kohm,5%,1/16W"	R106,R474	2
2007-000155 "R-CHIP:27Kohm,5%,1/16W"	R170,R136,R463,R251	4
2007-000155 "R-CHIP:27Kohm,5%,1/16W"	R252	1
2007-000157 "R-CHIP:47Kohm,5%,1/16W"	R118,R349,R139,R149	4
2007-000157 "R-CHIP:47Kohm,5%,1/16W"	R199,R483,R484,R481	4
2007-000157 "R-CHIP:47Kohm,5%,1/16W"	R482	1
2007-000159 "R-CHIP:56Kohm,5%,1/16W"	R148,R167	2
2007-000161 "R-CHIP:82Kohm,5%,1/16W"	R146,R150,R166	3
2007-000162 "R-CHIP:100Kohm,5%,1/16W"	R110,R108,R105,R120	4
2007-000162 "R-CHIP:100Kohm,5%,1/16W"	R107,R111,R123,R153	4
2007-000162 "R-CHIP:100Kohm,5%,1/16W"	R116,R122,R169,R172	4

2007-000162 "R-CHIP:100Kohm,5%,1/16W"	R151	1
2007-000164 "R-CHIP:150Kohm,5%,1/16W"	R114,RX301	2
2007-000170 "R-CHIP:1Mohm,5%,1/16W"	R137	1
2007-000171 "R-CHIP:0ohm,5%,1/16W"	R204,R113,R425,R215	4
2007-000171 "R-CHIP:0ohm,5%,1/16W"	R364,R501,R408,R409	4
2007-000171 "R-CHIP:0ohm,5%,1/16W"	C318,R418,R316,R184	4
2007-000171 "R-CHIP:0ohm,5%,1/16W"	R216	1
2007-000172 "R-CHIP:10ohm,5%,1/16W"	R306,R356,R350,R344	4
2007-000172 "R-CHIP:10ohm,5%,1/16W"	R348,R401,R341,R419	4
2007-000172 "R-CHIP:10ohm,5%,1/16W"	R339,R347	2
2007-000772 "R-CHIP:33Kohm,1%,1/16W"	R121	1
2007-000775 "R-CHIP:33Kohm,5%,1/16W"	R163,R104	2
2007-000831 "R-CHIP:39Kohm,5%,1/16W"	R177,R135	2
2007-000932 "R-CHIP:470ohm,5%,1/16W"	R127,R155,R301	3
2007-000982 "R-CHIP:5.6Kohm,5%,1/16W"	R453,R454,R476,R362	4
2007-001119 "R-CHIP:680ohm,5%,1/16W"	R355	1
2007-001217 "R-CHIP:82ohm,5%,1/16W"	R186,R187	2
2007-001244 "R-CHIP:91Kohm,5%,1/16W"	R175	1
2007-001288 "R-CHIP:18ohm,5%,1/16W"	R360	1
2007-001294 "R-CHIP:36ohm,5%,1/16W"	R191,R193,R194,R336	4
2007-001298 "R-CHIP:51ohm,5%,1/16W"	R468	1
2007-001305 "R-CHIP:120ohm,5%,1/16W"	R467,R469	2
2007-001306 "R-CHIP:150ohm,5%,1/16W"	R361,R358	2
2007-001307 "R-CHIP:180ohm,5%,1/16W"	R217	1
2007-001311 "R-CHIP:270ohm,5%,1/16W"	R308,R357	2
2007-001313 "R-CHIP:330ohm,5%,1/16W"	RX102,RX201	2
2007-001319 "R-CHIP:1.2Kohm,5%,1/16W"	R490,RX101,RX103	3
2007-001320 "R-CHIP:1.8Kohm,5%,1/16W"	R410,R303	2
2007-001325 "R-CHIP:3.3Kohm,5%,1/16W"	R190	1
2007-001333 "R-CHIP:18Kohm,5%,1/16W"	R335	1
2007-002797 "R-CHIP:560ohm,5%,1/16W"	R452	1
2007-002965 "R-CHIP:15ohm,5%,1/16W"	R313	1
2007-003030 "R-CHIP:91ohm,5%,1/16W"	R304	1
2007-007001 "R-CHIP:3.9Kohm,5%,1/16W"	R160,R161,R168,R179	4
2007-007001 "R-CHIP:3.9Kohm,5%,1/16W"	R479	1
2007-007021 "R-CHIP:75Kohm,5%,1/16W"	R112	1
2007-007131 "R-CHIP:13Kohm,1%,1/16W"	R488	1
2007-007132 "R-CHIP:15Kohm,1%,1/16W"	R489	1
2007-007133 "R-CHIP:300ohm,1%,1/16W"	R404	1
2007-007134 "R-CHIP:39Kohm,1%,1/16W"	R411	1
2007-007141 "R-CHIP:240ohm,5%,1/16W"	R309,R310	2
2007-007480 "R-CHIP:130Kohm,1%,1/16W"	R101	1
2007-007529 "R-CHIP:91Kohm,1%,1/16W"	R102	1
2203-000234 "C-CERAMIC,CHIP:100pF,5%,50V"	C185,C145,C345,C370	4
2203-000234 "C-CERAMIC,CHIP:100pF,5%,50V"	C347,C359,C501,C348	4

2203-000234 "C-CERAMIC,CHIP:100pF,5%,50V"	CX102,CX201,C360,C362	4
2203-000234 "C-CERAMIC,CHIP:100pF,5%,50V"	C331,C334,C411,C451	4
2203-000234 "C-CERAMIC,CHIP:100pF,5%,50V"	C417,C491,C493	3
2203-000254 "C-CERAMIC,CHIP:10nF,10%,16V"	C100,C179,C177,C169	4
2203-000254 "C-CERAMIC,CHIP:10nF,10%,16V"	C121,C126,C461,C152	4
2203-000254 "C-CERAMIC,CHIP:10nF,10%,16V"	C155,C171,C175,C112	4
2203-000254 "C-CERAMIC,CHIP:10nF,10%,16V"	C308,C388,C444,C326	4
2203-000254 "C-CERAMIC,CHIP:10nF,10%,16V"	C110,C403,C343,C481	4
2203-000254 "C-CERAMIC,CHIP:10nF,10%,16V"	C487,C486,C354,C355	4
2203-000254 "C-CERAMIC,CHIP:10nF,10%,16V"	C356,C358,C381,C386	4
2203-000254 "C-CERAMIC,CHIP:10nF,10%,16V"	C333,C394	2
2203-000254 "C-CERAMIC,CHIP:10nF,10%,16V"	C435,C433,C431,C452	4
2203-000254 "C-CERAMIC,CHIP:10nF,10%,16V"	C441,C425,C423,C437	4
2203-000254 "C-CERAMIC,CHIP:10nF,10%,16V"	C443,C483,C455,C470	4
2203-000254 "C-CERAMIC,CHIP:10nF,10%,16V"	C445,C371,C429,C457	4
2203-000254 "C-CERAMIC,CHIP:10nF,10%,16V"	C484,C471,C472,C473	4
2203-000254 "C-CERAMIC,CHIP:10nF,10%,16V"	C418,C477,C475,C111	4
2203-000254 "C-CERAMIC,CHIP:10nF,10%,16V"	C495,C490,C492,C349	4
2203-000254 "C-CERAMIC,CHIP:10nF,10%,16V"	CX101	1
2203-000278 "C-CERAMIC,CHIP:10pF,0.5pF,50V"	C313,C342	2
2203-000359 "C-CERAMIC,CHIP:150pF,5%,50V"	C453	1
2203-000386 "C-CERAMIC,CHIP:15pF,5%,50V"	C303,C319,C320	3
2203-000438 "C-CERAMIC,CHIP:1nF,10%,50V"	C125,C101,C113,C140	4
2203-000438 "C-CERAMIC,CHIP:1nF,10%,50V"	C190,C302,C301,C309	4
2203-000438 "C-CERAMIC,CHIP:1nF,10%,50V"	C306,C336,C338,C450	4
2203-000438 "C-CERAMIC,CHIP:1nF,10%,50V"	C307,C368,C327,C344	4
2203-000438 "C-CERAMIC,CHIP:1nF,10%,50V"	C311,C310,C377,C305	4
2203-000438 "C-CERAMIC,CHIP:1nF,10%,50V"	C315,CX304,C408,CX001	4
2203-000438 "C-CERAMIC,CHIP:1nF,10%,50V"	C414,C428,C426,C424	4
2203-000438 "C-CERAMIC,CHIP:1nF,10%,50V"	C422,C436,C434,C432	4
2203-000438 "C-CERAMIC,CHIP:1nF,10%,50V"	C430,C496,C442,C459	4
2203-000438 "C-CERAMIC,CHIP:1nF,10%,50V"	C460,C464,C419,C454	4
2203-000466 "C-CERAMIC,CHIP:1pF,0.25pF,50V"	C332,C325,C456,C317	4
2203-000489 "C-CERAMIC,CHIP:2.2nF,10%,50V"	C148,C131,C156,C402	4
2203-000585 "C-CERAMIC,CHIP:220pF,10%,50V"	C124,C387,C139	3
2203-000628 "C-CERAMIC,CHIP:22pF,5%,50V"	C314,C328	2
2203-000679 "C-CERAMIC,CHIP:27pF,5%,50V"	C412,C413	2
2203-000696 "C-CERAMIC,CHIP:2pF,0.25pF,50V"	C420,C465,C406	3
2203-000714 "C-CERAMIC,CHIP:3.3nF,10%,50V"	C117	1
2203-000870 "C-CERAMIC,CHIP:3pF,0.25pF,50V"	C341	1
2203-000941 "C-CERAMIC,CHIP:470pF,10%,50V"	C144,C335,C329,CX002	4
2203-000941 "C-CERAMIC,CHIP:470pF,10%,50V"	CX103,C149	2
2203-000995 "C-CERAMIC,CHIP:47pF,5%,50V"	C463,C458,C404,C405	4
2203-001033 "C-CERAMIC,CHIP:5.6nF,10%,25V"	C153	1
2203-001124 "C-CERAMIC,CHIP:680pF,10%,50V"	C133,C132	2

2203-001153 "C-CERAMIC,CHIP:68pF,5%,50V"	C135,C147,C337	3
2203-001201 "C-CERAMIC,CHIP:7pF,0.5pF,50V"	C304	1
2203-001210 "C-CERAMIC,CHIP:8.2nF,10%,16V"	C102,C122,C438,C421	4
2203-001259 "C-CERAMIC,CHIP:8pF,0.5pF,50V"	C322	1
2203-001405 "C-CERAMIC,CHIP:22nF,20%,25V"	C142,C141,C154	3
2203-001416 "C-CERAMIC,CHIP:33nF,10%,16V"	C415	1
2203-001432 "C-CERAMIC,CHIP:47nF,10%,16V"	C365	1
2203-001437 "C-CERAMIC,CHIP:5pF,0.25pF,50V"	C137,C138	2
2203-001724 "C-CERAMIC,CHIP:4.7uF,79.8,16V"	CX302	1
2203-005004 "C-CERAMIC,CHIP:10uF,+80-20%"	C104	1
2203-005052 "C-CERAMIC,CHIP:3.3pF,0.25pF,50V"	C316	1
2203-005054 "C-CERAMIC,CHIP:4.7pF,0.25pF,50V"	C466	1
2203-005061 "C-CERAMIC,CHIP:100nF,+80-20%"	C136,C120,C106,C108	4
2203-005061 "C-CERAMIC,CHIP:100nF,+80-20%"	C146,C116,C118,C146	4
2203-005061 "C-CERAMIC,CHIP:100nF,+80-20%"	C116,C118,C157,C127	4
2203-005061 "C-CERAMIC,CHIP:100nF,+80-20%"	C168,C173,C129,C128	4
2203-005061 "C-CERAMIC,CHIP:100nF,+80-20%"	C170,C114,C184,C174	4
2203-005061 "C-CERAMIC,CHIP:100nF,+80-20%"	C172,C176,C178,CX301	4
2203-005061 "C-CERAMIC,CHIP:100nF,+80-20%"	CX303	1
2203-005144 "C-CERAMIC,CHIP:1uF,10%,10V"	C143,C151,C150,C130	4
2404-000139 "C-TA,CHIP:10uF,20%,6.3V"	C107,C109,C312,C330	4
2404-000139 "C-TA,CHIP:10uF,20%,6.3V"	C389,C353,C357,C439	4
2404-000139 "C-TA,CHIP:10uF,20%,6.3V"	C401,C488,C485,C474	4
2404-000139 "C-TA,CHIP:10uF,20%,6.3V"	C476	1
2404-000151 "C-TA,CHIP:1uF,20%,16V"	C410	1
2404-000167 "C-TA,CHIP:2.2uF,20%,16V"	C134,C482	2
2404-000222 "C-TA,CHIP:33uF,20%,16V"	C382	1
2404-000232 "C-TA,CHIP:4.7uF,20%,10V"	C163,C164,C165	3
2404-000274 "C-TA,CHIP:1.5uF,20%,16V"	C416	1
2404-000312 "C-TA,CHIP:470nF,20%,16V"	C350	1
2404-001032 "C-TA,CHIP:33uF,20%,6.3V"	C123,C119	2
2404-001063 "C-TA,CHIP:100uF,10%,6.3V"	C440	1
2404-001064 "C-TA,CHIP:10uF,20%,6.3V"	C346	1
2703-000109 "INDUCTOR-SMD:100nH,10%"	L404,L309	2
2703-000195 "INDUCTOR-SMD:330nH,10%"	L310,L311	2
2703-000237 "INDUCTOR-SMD:750nH,10%"	L403	1
2703-000300 "INDUCTOR-SMD:1uH,10%"	L346,L342,L455,L305	4
2703-000300 "INDUCTOR-SMD:1uH,10%"	L314,L343	2
2703-000301 "INDUCTOR-SMD:2.7uH,10%"	L312,L344	2
2703-001031 "INDUCTOR-SMD:33nH,5%"	L401	1
2703-001049 "INDUCTOR-SMD:100nH,10%"	L402	1
2703-001166 "INDUCTOR-SMD:5.6nH,10%"	L391	1
2703-001167 "INDUCTOR-SMD:8.2nH,10%"	L341	1
2703-001172 "INDUCTOR-SMD:100nH,5%"	L303,L317,L458"	3
2703-001173 "INDUCTOR-SMD:12nH,5%"	L451,L499	2

2703-001175 "INDUCTOR-SMD:56nH,5%"	L355,L356	2
2703-001179 "INDUCTOR-SMD:10nH,5%"	L351,L354	2
2703-001181 "INDUCTOR-SMD:27nH,10%"	L316	1
2703-001190 "INDUCTOR-SMD:15nH,5%"	L301	1
2703-001263 "INDUCTOR-SMD:4.7nH,10%"	C446	1
2703-001285 "INDUCTOR-SMD:39nH,5%"	L302	1
2703-001408 "INDUCTOR-SMD:8.2nH,10%"	L306	1
2703-001409 "INDUCTOR-SMD:12nH,10%"	L304	1
2703-001413 "INDUCTOR-SMD:27nH,10%"	L453,L454,L456"	3
2703-001563 "INDUCTOR-SMD:10uH,20%"	L101	1
2802-001048 RESONATOR-CERAMIC:27MHz	X101	1
2806-001146 OSCILLATOR-VCO:954MHz	U341	1
2809-001208 OSCILLATOR-VCTCXO:19.68MHz	U343	1
2904-000297 FILTER-SAW:85.38MHz	F303	1
2904-001011 "FILTER-SAW:881.5MHz,25MHz"	F302	1
2904-001012 "FILTER-SAW:836.5MHz,25MHz"	F451	1
2909-001004 FILTER-DUPLEXER:881.5MHz	F301	1
3710-001105 "CONNECTOR-SOCKET:2P,1R"	J102	1
3710-001117 "CONNECTOR-SOCKET:24P,2R"	CON100	1
3710-001302 "CONNECTOR-SOCKET:18P,1R"	J101	1
3711-002048 "CONNECTOR-HEADER:50PIN	CON50	1
3722-001172 JACK-AC POWER	J104	1
GH41-10630A PCB-SCH470MAIN	PCB MAIN	1
GH59-10066A UNIT-KEY PAD	KEY PAD	1

SCH-470 MEMORY PCB PART LIST

SEC CODE	DESCRIPTION	B'D PART NO	QTY
1106-001126	IC-SRAM:29LV1024,64Kx16BIT,TSOP	U130	1
1106-001130	IC-SRAM:68V2000,256Kx8BIT,TSOP	U127	1
1107-001033	IC-FLASH MEMORY:29LV800,1Mx8B	U129	1
2007-000090	R-CHIP:10Kohm,5%,1/16W"	R198,R199	2
2203-000192	C-CERAMIC,CHIP:100nF,+80-20%	C100	1
3710-000306	CONNECTOR-SOCKET:50P,2R"	CON50	1
GH41-10606A	PCB-MEMORY:FR-4,6L,T0,4mm	PCB	1