

Instructions

RD=Component Reference Designator

MCN=A part number used internally by HNS. Has format 3XXXXXX-XXXX or 9XXXXXX-XXXX.

MPN=Manufacturer's Part Number

The worksheet MCN-RD lists the MCN for all components by their reference designator.

The worksheet MCN-MPN lists the MPN for all components by their MCN

So to find the MPN for a given component, find its MCN from MCN-RD, then search for the MPN in MCN-MPN.

Worksheet MCN-RD (Pages 1-39)

3003918-0002

rev42

CCA, BGAN Class 1 UT (Eng)

Component no.

qty

Description

3003917-0001

1

PWB, BGAN, Class 1 UT

3003919

Schematic, BGAN, Class 1 UT

9000072-0002

18

TRANSISTOR,NPN

2 Q12

1

3 Q16

1

4 Q17

1

5 Q18

1

11 Q19

1

12 Q21

1

13 Q22

1

14 Q27

1

16 Q208

1

17 Q210

1

18 Q211

1

19 Q212

1

21 Q229

1

23 Q237

1

24 Q238

1

25 Q3

1

26 Q70

1

27 Q20

1

9000077-0002

3

TRANSISTOR,PNP

2 Q11

1

5 Q206

1

6 Q207

1

9000310-0165

2

DIODE,TUNING,HYPERABRUPT

1 CR2

1

2 CR3

1

9002487-0137

8

DIODE,SWITCHING 200MA

3 CR7

1

4 CR12

1

6 CR13

1

7 CR14

1

8 CR15

1

9 CR220

1

10 CR221

1

11 CR223

1

9004011-0003

2

DIODE,DUAL SWITCHING SOT23

1 CR20

1

2 CR1

1

9005935-0070

10

CAP,TANT CHIP 4.7UF 20% 10V

3 C297

1

6 C636

1

8 C653

1

9 C771

1

15 C964

1

21 C965

1

22 C988

1

24 C989

1

25 C1288

1

	26 C1534	1
9005935-0131		3
CAP,TANT CHIP 10UF 10% 10V		
	1 C73	1
	5 C200	1
	6 C737	1
9006244-0016		1
INDUCTOR,CHIP 120NH 10%		
	1 L42	1
9006244-0051		1
INDUCTOR,CHIP 5% 220NH		
	7 L142	1
9006244-0135		1
INDUCTOR,CHIP 10NH 2%		
	1 L74	1
9006495-0015		6
FILTER,FERRITE CHIP 3A 1206		
	3 L15	1
	5 L57	1
	6 L92	1
	7 L93	1
	8 L95	1
	9 L97	1
9006495-0039		2
FILTER,FERRITE CHIP .1A 0603		
	1 L59	1
	2 L69	1
9006642-0007		1
XFMR,ISOLATION 10BASE-T SMT		
	1 T4	1
9007941-0007		2
IC,VOLTAGE REFERENCE 2.5V 0.1%		
	1 VR6	1
	2 VR7	1
9008509-0002		1
COUPLER,DIR,1.5-2.2GHZ,20DB		
	1 DC5	1
9009832-0004		2
TRANSISTOR,PNP 45V SOT-323		
	1 Q241	1
	2 Q4	1
9011122-0018		11
CAP,ELECT LOW-Z 68UF 20% 35V		
	1 C205	1
	2 C245	1
	3 C301	1
	4 C310	1
	5 C352	1
	6 C353	1
	7 C358	1
	8 C1419	1
	9 C1420	1
	10 C1422	1
	11 C1423	1
9010391-0001		2
IC,PCS LINEAR PA 1.5/2.0GHZ		
	1 U3	1
	2 U22	1
9010481-0002		5
DIODE,SCHOTTKY 30V 100MA		
	2 CR16	1
	3 CR17	1
	10 CR205	1
	13 CR219	1
	14 CR222	1
9010505-0005		25
BEAD,FERRITE 1GHZ 1K 100MA		
	1 L13	1
	2 L14	1
	3 L28	1
	4 L29	1
	5 L39	1
	6 L46	1
	7 L47	1

	8 L51	1
	9 L53	1
	10 L54	1
	11 L55	1
	12 L56	1
	13 L60	1
	14 L61	1
	15 L88	1
	16 L114	1
	17 L115	1
	18 L116	1
	19 L118	1
	20 L124	1
	21 L126	1
	22 L143	1
	23 L144	1
	24 L249	1
	25 L250	1
9300103-0000		28
RESISTOR,0805 1/10W 5% ZERO		
	1 R18	1
	2 R19	1
	3 R89	1
	4 R97	1
	5 R98	1
	6 R100	1
	7 R102	1
	8 R180	1
	9 R181	1
	10 R291	1
	11 R359	1
	12 R361	1
	13 R369	1
	14 R370	1
	15 R383	1
	16 R404	1
	17 R581	1
	18 R590	1
	19 R1483	1
	20 R1557	1
	21 R1558	1
	22 R1559	1
	23 R1560	1
	24 R1561	1
	25 R1562	1
	26 R1563	1
	27 R1564	1
	28 R684	1
9300103-7802		8
RESISTOR,0805 1/10W 5% 200		
	4 R648	1
	12 R700	1
	13 R709	1
	14 R711	1
	15 R713	1
	16 R774	1
	17 R463	1
	18 R677	1
9300103-7804		2
RESISTOR,0805 1/10W 5% 240		
	1 R545	1
	2 R548	1
9300104-0012		32
CAP,CER 1.0UF 10% 10V X7R		
	1 C84	1
	2 C176	1
	3 C194	1
	4 C199	1
	5 C203	1
	6 C359	1
	7 C418	1
	8 C436	1
	9 C439	1
	10 C447	1

	11 C483	1
	12 C535	1
	13 C537	1
	14 C538	1
	15 C539	1
	16 C540	1
	17 C541	1
	18 C543	1
	19 C632	1
	20 C674	1
	21 C675	1
	22 C693	1
	23 C975	1
	24 C976	1
	25 C977	1
	26 C978	1
	27 C1363	1
	28 C1403	1
	29 C1437	1
	30 C1458	1
	31 C1571	1
	32 C1576	1
9300105-0032		2
CAP,CER NPO 20PF 5% 50V		
	1 C728	1
	2 C729	1
9300110-0076		2
RESISTOR,0805 1/10W 1% 59.0		
	1 R546	1
	2 R547	1
9300178-0005		6
TRANSISTOR,DIGITAL NPN SOT323		
	1 Q10	1
	2 Q33	1
	3 Q38	1
	4 Q243	1
	5 Q5	1
	6 Q29	1
9300291-0035		1
CAP,CER C0G 5% 330PF 50V 0603		
	2 C228	1
9300291-0071		7
CAP,CER C0G 1% 22PF 50V 0603		
	1 C107	1
	2 C629	1
	3 C1569	1
	4 C1592	1
	5 C1593	1
	6 C1594	1
	7 C1595	1
9300291-0090		6
CAP,CER C0G 5% 1000PF 50V 0603		
	3 C80	1
	4 C115	1
	5 C222	1
	6 C307	1
	7 C582	1
	8 C587	1
9300292-0063		2
CAP,X7R 10% 4700PF 50V 0603		
	1 C174	1
	2 C179	1
9300292-0067		12
CAP,X7R 10% .01UF 50V 0603		
	3 C227	1
	4 C354	1
	17 C979	1
	18 C980	1
	23 C985	1
	24 C1005	1
	25 C1238	1
	26 C1240	1
	27 C1386	1
	28 C1600	1

	29 C1601	1
	30 C1442	1
9300292-0116		5
CAP,X7R 10% .033UF 16V 0603		
	1 C113	1
	3 C238	1
	4 C239	1
	5 C381	1
	6 C382	1
9300292-0124		237
CAP,X7R 10% .1UF 16V		
	1 C6	1
	2 C12	1
	3 C14	1
	4 C17	1
	5 C19	1
	6 C31	1
	7 C32	1
	8 C53	1
	9 C55	1
	10 C58	1
	11 C63	1
	12 C64	1
	13 C65	1
	14 C66	1
	16 C70	1
	17 C86	1
	18 C87	1
	19 C110	1
	20 C112	1
	21 C119	1
	22 C123	1
	23 C127	1
	24 C136	1
	25 C156	1
	26 C163	1
	27 C166	1
	28 C177	1
	29 C178	1
	30 C180	1
	31 C184	1
	32 C195	1
	33 C196	1
	34 C198	1
	35 C206	1
	36 C216	1
	37 C221	1
	38 C224	1
	39 C251	1
	40 C275	1
	41 C277	1
	42 C278	1
	43 C287	1
	44 C290	1
	45 C322	1
	46 C325	1
	47 C332	1
	48 C336	1
	49 C340	1
	50 C345	1
	51 C347	1
	52 C356	1
	53 C361	1
	54 C367	1
	55 C373	1
	56 C412	1
	57 C421	1
	58 C425	1
	59 C428	1
	60 C434	1
	61 C437	1
	62 C445	1
	63 C465	1
	64 C477	1

65 C478	1
66 C479	1
67 C489	1
68 C496	1
69 C500	1
70 C505	1
71 C506	1
72 C507	1
73 C525	1
74 C527	1
75 C528	1
76 C611	1
77 C640	1
78 C646	1
79 C658	1
80 C702	1
81 C703	1
82 C704	1
83 C705	1
84 C706	1
85 C708	1
86 C709	1
87 C711	1
88 C713	1
89 C714	1
90 C717	1
91 C730	1
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93 C732	1
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96 C735	1
97 C736	1
98 C748	1
99 C749	1
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101 C751	1
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121 C783	1
122 C784	1
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129 C791	1
130 C793	1
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132 C797	1
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145 C810	1
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149 C814	1
150 C818	1
151 C819	1
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154 C822	1
155 C823	1
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157 C825	1
158 C826	1
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161 C831	1
162 C832	1
163 C833	1
164 C834	1
165 C849	1
166 C850	1
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190 C889	1
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195 C894	1
196 C895	1
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198 C897	1
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206 C914	1
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208 C916	1
209 C917	1
210 C918	1
211 C920	1
212 C933	1

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	215 C968	1
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	217 C986	1
	218 C987	1
	219 C1003	1
	220 C1203	1
	221 C1258	1
	222 C1294	1
	223 C1298	1
	224 C1300	1
	225 C1354	1
	226 C1402	1
	228 C1443	1
	229 C1457	1
	230 C1459	1
	231 C1460	1
	232 C1599	1
	233 C1608	1
	234 C1295	1
	235 C1296	1
	236 C1297	1
	237 C608	1
	238 C612	1
	239 C774	1
9300293-0009		1
RESISTOR,0603 1/16W 5% 2.2		
	2 R245	1
9300293-0113		11
RESISTOR,0603 1/16W 5% 47K		
	1 R179	1
	2 R435	1
	3 R437	1
	4 R1223	1
	5 R1226	1
	6 R1229	1
	7 R1232	1
	8 R1235	1
	9 R1238	1
	10 R1241	1
	11 R1712	1
9300293-0118		1
RESISTOR,0603 1/16W 5% 75K		
	1 R1706	1
9300297-0003		4
TRANSISTOR,NPN HIGH FREQ SMT		
	1 Q6	1
	2 Q7	1
	3 Q13	1
	4 Q14	1
9300326-0026		39
RES,0402 5% 10		
	1 R21	1
	2 R22	1
	3 R30	1
	4 R31	1
	6 R52	1
	7 R53	1
	8 R59	1
	9 R62	1
	10 R67	1
	11 R68	1
	12 R73	1
	13 R78	1
	14 R79	1
	15 R80	1
	16 R83	1
	17 R86	1
	18 R91	1
	19 R92	1
	20 R96	1
	21 R147	1
	22 R156	1

	23 R162	1
	24 R194	1
	25 R220	1
	26 R268	1
	27 R277	1
	28 R310	1
	29 R347	1
	30 R352	1
	31 R371	1
	32 R398	1
	33 R401	1
	34 R459	1
	35 R559	1
	36 R568	1
	37 R579	1
	38 R589	1
	39 R1335	1
	40 R1690	1
9300326-0028		4
RES,0402 5% 12		
	1 R153	1
	2 R154	1
	4 R243	1
	5 R611	1
9300326-0032		2
RES,0402 5% 18		
	2 R12	1
	7 R11	1
9300326-0033		2
RES,0402 5% 20		
	1 R158	1
	2 R315	1
9300326-0034		1
RES,0402 5% 22		
	3 R1372	1
9300326-0038		129
RES,0402 5% 33		
	1 R26	1
	2 R41	1
	3 R324	1
	4 R357	1
	5 R407	1
	6 R411	1
	7 R412	1
	8 R422	1
	9 R454	1
	10 R455	1
	11 R456	1
	12 R466	1
	13 R478	1
	14 R479	1
	15 R480	1
	16 R481	1
	17 R482	1
	18 R483	1
	19 R484	1
	20 R485	1
	21 R486	1
	22 R487	1
	23 R492	1
	24 R494	1
	25 R495	1
	26 R496	1
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	30 R514	1
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	120 R1554	1
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	122 R1682	1
	123 R1683	1
	124 R1684	1
	125 R1685	1
	126 R1686	1
	127 R1687	1
	128 R1688	1
	129 R239	1
9300326-0042		2
RES,0402 5% 47		
	13 R527	1
	14 R61	1
9300326-0044		2
RES,0402 5% 56		
	4 R246	1
	5 R444	1
9300326-0047		3
RES,0402 5% 75		
	1 R143	1
	2 R144	1
	3 R659	1
9300326-0050		46
RES,0402 5% 100		
	1 R1	1
	2 R24	1
	3 R175	1
	4 R176	1
	5 R177	1
	6 R182	1
	7 R184	1
	8 R186	1
	9 R188	1
	10 R190	1
	11 R192	1
	12 R217	1
	13 R257	1
	14 R321	1
	15 R323	1
	16 R333	1
	17 R334	1
	18 R343	1
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	29 R384	1
	30 R386	1
	31 R389	1
	32 R390	1
	33 R403	1
	34 R753	1
	35 R803	1
	36 R1381	1
	37 R1411	1
	38 R1448	1
	39 R1656	1
	40 R1700	1
	41 R1701	1

	42 R1702	1
	43 R69	1
	44 R1704	1
	45 R1705	1
	46 R115	1
9300326-0054		9
RES,0402 5% 150		
	1 R55	1
	2 R82	1
	3 R88	1
	4 R95	1
	5 R145	1
	8 R516	1
	9 R1612	1
	10 R1613	1
	11 R251	1
9300326-0057		13
RES,0402 5% 200		
	1 R413	1
	2 R415	1
	3 R416	1
	4 R458	1
	5 R498	1
	6 R652	1
	7 R666	1
	8 R667	1
	9 R674	1
	10 R1487	1
	11 R1488	1
	12 R1489	1
	13 R640	1
9300326-0058		7
RES,0402 5% 220		
	1 R283	1
	2 R290	1
	3 R570	1
	4 R580	1
	5 R1654	1
	6 R1655	1
	7 R1699	1
9300326-0060		3
RES,0402 5% 270		
	3 R152	1
	4 R161	1
	17 R316	1
9300326-0061		3
RES,0402 5% 300		
	5 R229	1
	6 R1609	1
	7 R1653	1
9300326-0064		1
RES,0402 5% 390		
	2 R28	1
9300326-0066		4
RES,0402 5% 470		
	2 R164	1
	3 R242	1
	4 R244	1
	5 R381	1
9300326-0070		1
RES,0402 5% 680		
	1 R71	1
9300326-0076		3
RES,0402 5% 1.2K		
	2 R157	1
	4 R241	1
	5 R312	1
9300326-0082		11
RES,0402 5% 2.2K		
	1 R155	1
	2 R159	1
	3 R269	1
	4 R270	1
	7 R271	1

	8 R272	1
	9 R311	1
	10 R314	1
	11 R625	1
	12 R663	1
	13 R756	1
9300326-0088		4
RES,0402 5% 3.9K		
	1 R160	1
	2 R222	1
	3 R313	1
	4 R757	1
9300326-0105		6
RES,0402 5% 20K		
	4 R218	1
	5 R221	1
	7 R318	1
	8 R319	1
	9 R1604	1
	10 R1605	1
9300326-0200		69
RESISTOR,0402 5% 0 OHM JUMPER		
	1 R27	1
	4 R42	1
	5 R44	1
	8 R47	1
	9 R48	1
	10 R70	1
	11 R103	1
	12 R126	1
	13 R130	1
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	43 R443	1
	45 R445	1
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	47 R571	1
	48 R607	1
	49 R609	1
	50 R692	1
	51 R763	1
	52 R768	1
	53 R822	1
	54 R823	1
	55 R1258	1
	56 R1266	1
	57 R1272	1
	58 R1280	1
	59 R1284	1
	60 R1286	1
	61 R1287	1

	62 R1289	1
	63 R1290	1
	64 R1434	1
	65 R1435	1
	66 R1436	1
	67 R1437	1
	68 R1577	1
	69 R1630	1
	70 R1659	1
	71 R1678	1
	73 R1714	1
	74 R1715	1
	75 R43	1
	77 R592	1
	78 R785	1
	79 R758	1
	80 R1681	1
9300330-0003		1
INDUCTOR,CHIP 5% 68NH		
	1 L34	1
9300369-0101		8
RESISTOR,0603 1/16W 1% 100		
	1 R58	1
	3 R385	1
	4 R508	1
	5 R519	1
	6 R520	1
	7 R521	1
	12 R1314	1
	13 R1317	1
9300369-0214		8
RESISTOR,0603 1/16W 1% 1.50K		
	2 R364	1
	3 R397	1
	4 R399	1
	5 R491	1
	6 R644	1
	7 R651	1
	8 R1306	1
	9 R685	1
9300369-0251		6
RESISTOR,0603 1/16W 1% 3.65K		
	1 R613	1
	2 R614	1
	3 R615	1
	4 R616	1
	5 R1709	1
	6 R72	1
9300369-0298		4
RESISTOR,0603 1/16W 1% 11.3K		
	1 R74	1
	2 R166	1
	3 R565	1
	4 R573	1
9300369-0326		38
RESISTOR,0603 1/16W 1% 22.1K		
	1 R20	1
	3 R173	1
	4 R253	1
	5 R292	1
	6 R335	1
	7 R360	1
	8 R362	1
	9 R396	1
	10 R400	1
	11 R408	1
	12 R417	1
	13 R419	1
	14 R425	1
	15 R446	1
	16 R447	1
	17 R461	1
	18 R462	1
	19 R464	1

	20 R465	1
	21 R472	1
	22 R475	1
	23 R619	1
	25 R646	1
	26 R656	1
	27 R657	1
	28 R665	1
	29 R669	1
	30 R670	1
	32 R707	1
	33 R710	1
	34 R755	1
	35 R792	1
	36 R800	1
	37 R1206	1
	38 R1416	1
	39 R1614	1
	40 R1615	1
	41 R1674	1
9300369-0332		1
RESISTOR,0603 1/16W 1% 25.5K		
	3 R264	1
9300369-0363		11
RESISTOR,0603 1/16W 1% 53.6K		
	1 R129	1
	2 R132	1
	3 R142	1
	4 R203	1
	5 R204	1
	6 R211	1
	7 R212	1
	8 R213	1
	9 R433	1
	10 R761	1
	11 R1572	1
9300369-0380		11
RESISTOR,0603 1/16W 1% 80.6K		
	1 R123	1
	2 R125	1
	3 R133	1
	4 R134	1
	5 R135	1
	6 R137	1
	7 R148	1
	8 R149	1
	14 R606	1
	15 R762	1
	16 R795	1
9300369-0408		10
RESISTOR,0603 1/16W 1% 158K		
	1 R127	1
	2 R131	1
	3 R139	1
	4 R146	1
	5 R200	1
	6 R207	1
	7 R208	1
	8 R216	1
	9 R380	1
	10 R391	1
9300369-0443		1
RESISTOR,0603 1/16W 1% 365K		
	2 R1573	1
9300388-0012		2
CAP,NPO +/-25PF 3.9PF 50V 0402		
	2 C244	1
	4 C387	1
9300388-0014		3
CAP,NPO +/-25PF 5.6PF 50V 0402		
	2 C241	1
	4 C384	1
	5 C330	1
9300388-0016		10

CAP,NPO +-.25PF 8.2PF 50V 0402

1 C270	1
2 C271	1
3 C272	1
4 C273	1
5 C472	1
6 C1217	1
7 C1218	1
8 C1219	1
9 C143	1
10 C144	1

9300388-0017

11

CAP,CER NPO 5% 10PF 50V 0402

1 C116	1
2 C122	1
3 C168	1
4 C171	1
5 C225	1
7 C236	1
8 C240	1
10 C289	1
11 C292	1
20 C642	1
21 C645	1

9300388-0018

20

CAP,CER NPO 5% 12PF 50V 0402

1 C2	1
2 C3	1
3 C59	1
6 C105	1
7 C106	1
8 C124	1
9 C151	1
10 C165	1
11 C214	1
12 C349	1
13 C350	1
14 C397	1
15 C404	1
16 C572	1
17 C1400	1
18 C1401	1
19 C1411	1
20 C1551	1
21 C1552	1
22 C1553	1

9300388-0019

5

CAP,CER NPO 5% 15PF 50V 0402

7 C945	1
8 C946	1
9 C24	1
10 C94	1
11 C95	1

9300388-0020

5

CAP,CER NPO 5% 18PF 50V 0402

2 C21	1
17 C34	1
18 C44	1
19 C45	1
20 C191	1

9300388-0021

177

CAP,CER NPO 5% 22PF 50V 0402

1 C20	1
2 C22	1
3 C23	1
4 C28	1
5 C60	1
6 C61	1
7 C62	1
8 C69	1
9 C88	1
10 C89	1
11 C90	1
12 C92	1

13 C120	1
14 C145	1
15 C146	1
16 C152	1
17 C193	1
18 C202	1
19 C217	1
20 C259	1
21 C262	1
22 C294	1
23 C303	1
24 C305	1
25 C309	1
26 C311	1
27 C315	1
28 C319	1
29 C337	1
30 C348	1
31 C355	1
32 C357	1
33 C366	1
34 C369	1
35 C372	1
36 C374	1
37 C375	1
38 C377	1
39 C394	1
40 C395	1
42 C398	1
43 C400	1
44 C401	1
45 C402	1
46 C403	1
47 C405	1
48 C406	1
49 C407	1
50 C408	1
51 C409	1
52 C411	1
53 C413	1
54 C414	1
56 C416	1
57 C417	1
58 C419	1
59 C420	1
60 C422	1
61 C423	1
62 C424	1
63 C427	1
64 C430	1
65 C431	1
66 C432	1
67 C433	1
68 C442	1
69 C444	1
70 C449	1
71 C451	1
72 C452	1
73 C453	1
74 C454	1
75 C456	1
76 C458	1
77 C459	1
78 C460	1
79 C461	1
80 C462	1
81 C463	1
82 C464	1
83 C466	1
84 C467	1
85 C468	1
86 C469	1
87 C470	1
88 C471	1

89 C473	1
90 C474	1
91 C476	1
92 C480	1
93 C482	1
94 C484	1
95 C485	1
96 C486	1
97 C488	1
98 C492	1
99 C493	1
100 C494	1
101 C495	1
102 C498	1
103 C502	1
104 C504	1
105 C508	1
106 C509	1
107 C510	1
108 C514	1
109 C517	1
110 C519	1
111 C526	1
112 C549	1
113 C553	1
114 C556	1
115 C557	1
116 C558	1
117 C559	1
118 C560	1
119 C565	1
120 C567	1
121 C570	1
122 C571	1
123 C589	1
124 C598	1
125 C599	1
126 C600	1
127 C601	1
128 C609	1
129 C610	1
130 C712	1
131 C772	1
132 C773	1
133 C848	1
134 C867	1
135 C932	1
136 C936	1
137 C955	1
138 C956	1
139 C957	1
140 C958	1
141 C962	1
142 C991	1
143 C1281	1
144 C1282	1
145 C1283	1
146 C1284	1
147 C1286	1
148 C1382	1
149 C1383	1
150 C1393	1
151 C1394	1
152 C1397	1
153 C1398	1
154 C1425	1
155 C1426	1
156 C1451	1
157 C1452	1
158 C1455	1
159 C1456	1
160 C1544	1
161 C1545	1
162 C1546	1

	163 C1547	1
	164 C1548	1
	165 C1549	1
	166 C1575	1
	167 C1579	1
	168 C1597	1
	169 C1598	1
	170 C1604	1
	171 C1606	1
	172 C1607	1
	173 C1611	1
	174 C18	1
	176 C100	1
	177 C515	1
	179 C415	1
	180 C1602	1
	181 C1603	1
9300388-0022		21
CAP,CER NPO 5% 27PF 50V 0402		
	1 C109	1
	2 C125	1
	3 C126	1
	4 C128	1
	5 C129	1
	6 C132	1
	7 C133	1
	8 C137	1
	9 C138	1
	10 C154	1
	11 C155	1
	12 C157	1
	13 C158	1
	14 C161	1
	15 C162	1
	16 C164	1
	17 C185	1
	18 C215	1
	19 C220	1
	20 C223	1
	21 C96	1
9300388-0025		14
CAP,CER NPO 5% 47PF 50V 0402		
	1 C98	1
	2 C190	1
	3 C279	1
	4 C280	1
	5 C281	1
	6 C282	1
	7 C283	1
	8 C284	1
	9 C285	1
	10 C286	1
	11 C331	1
	12 C333	1
	13 C339	1
	14 C341	1
9300388-0026		4
CAP,CER NPO 5% 56PF 50V 0402		
	2 C117	1
	3 C118	1
	4 C169	1
	5 C170	1
9300388-0029		34
CAP,CER NPO 5% 100PF 50V 0402		
	1 C35	1
	2 C39	1
	3 C74	1
	4 C75	1
	5 C76	1
	6 C93	1
	8 C104	1
	9 C108	1
	10 C147	1
	11 C192	1

	12 C213	1
	13 C231	1
	14 C232	1
	15 C233	1
	16 C242	1
	17 C254	1
	18 C256	1
	19 C267	1
	20 C378	1
	21 C386	1
	22 C391	1
	23 C410	1
	24 C990	1
	25 C1302	1
	26 C1303	1
	27 C1304	1
	28 C1305	1
	29 C1414	1
	30 C1427	1
	31 C1428	1
	32 C1556	1
	33 C1557	1
	34 C1558	1
	35 C1559	1
9300388-0034		3
CAP,CER C0G 1.0PF +/-1PF 50V		
	2 C67	1
	3 C130	1
	4 C82	1
9300388-0035		1
CAP,CER C0G 1.2PF +/-1PF 50V		
	1 C40	1
9300388-0039		9
CAP,CER C0G 220PF 5% 50V		
	2 C10	1
	3 C15	1
	4 C160	1
	5 C181	1
	6 C296	1
	7 C522	1
	8 C523	1
	9 C524	1
	10 C97	1
9300388-0042		3
CAP,CER C0G 1.5PF +/-1PF 50V		
	4 C159	1
	5 C211	1
	6 C135	1
9300388-0045		1
CAP,CER C0G 13PF 1% 50V		
	3 C389	1
9011506-0001		1
CONNECTOR, JK PC DC-PWR		
	1 J10	1
9300415-0001		2
IC,INVERTER SINGLE GATE SMT		
	4 U83	1
	5 U84	1
9300487-0011		1
INDUCTOR,CHIP 10% 4.7NH 0603		
	1 L31	1
9300487-0012		2
INDUCTOR,CHIP 10% 5.6NH 0603		
	3 L41	1
	4 L40	1
9300487-0029		1
INDUCTOR,CHIP 5% 8.2NH 0603		
	5 L135	1
9300487-0032		3
INDUCTOR,CHIP 5% 56NH 0603		
	1 L3	1
	2 L5	1
	3 L63	1
9300527-0014		1

INDUCTOR,0603 5% 22NH		
	2 L257	1
9300527-0025		4
INDUCTOR,0603 5% 120NH		
	2 L64	1
	3 L65	1
	4 L84	1
	5 L85	1
9300527-0029		6
INDUCTOR,0603 5% 6.8NH		
	7 L9	1
	8 L50	1
	9 L52	1
	10 L86	1
	11 L248	1
	12 L7	1
9300527-0090		1
INDUCTOR,0603 2% 68NH		
	1 L17	1
9300588-0002		1
MMIC,WIDEBAND AMP 1.5GHZ 3V SM		
	1 AR3	1
9300744-0010		59
CAP,CER X7R 10% .01UF 16V 0402		
	1 C83	1
	2 C85	1
	4 C149	1
	5 C150	1
	6 C175	1
	7 C186	1
	8 C187	1
	9 C188	1
	10 C189	1
	11 C207	1
	12 C219	1
	13 C252	1
	14 C274	1
	15 C276	1
	16 C306	1
	17 C314	1
	18 C316	1
	19 C318	1
	20 C343	1
	21 C344	1
	22 C346	1
	23 C351	1
	24 C360	1
	25 C371	1
	26 C426	1
	27 C429	1
	28 C435	1
	29 C438	1
	30 C448	1
	31 C481	1
	32 C487	1
	33 C497	1
	34 C499	1
	35 C501	1
	36 C511	1
	37 C536	1
	38 C552	1
	39 C554	1
	40 C796	1
	41 C971	1
	42 C972	1
	43 C973	1
	44 C974	1
	45 C997	1
	46 C1209	1
	47 C1210	1
	48 C1293	1
	49 C1404	1
	50 C1417	1
	51 C1418	1

	52 C1445	1
	53 C1446	1
	54 C1447	1
	55 C1565	1
	57 C1568	1
	58 C1577	1
	59 C1609	1
	60 C1610	1
	61 C173	1
9300744-0023		48
CAP,CER X7R 10% 1000PF 50V0402		
	1 C41	1
	2 C46	1
	3 C47	1
	4 C78	1
	5 C81	1
	6 C91	1
	7 C197	1
	8 C204	1
	9 C226	1
	10 C229	1
	11 C234	1
	12 C247	1
	13 C257	1
	14 C288	1
	15 C291	1
	16 C299	1
	17 C304	1
	18 C312	1
	19 C334	1
	20 C368	1
	21 C390	1
	22 C392	1
	23 C393	1
	24 C446	1
	25 C521	1
	26 C532	1
	27 C533	1
	28 C534	1
	29 C545	1
	30 C547	1
	31 C551	1
	32 C641	1
	33 C647	1
	34 C648	1
	35 C652	1
	36 C970	1
	37 C1344	1
	38 C1346	1
	39 C1347	1
	40 C1415	1
	41 C1416	1
	42 C1433	1
	44 C1435	1
	45 C1436	1
	46 C1561	1
	47 C1562	1
	48 C1563	1
	49 C1564	1
9300744-0027		5
CAP,CER X7R 10% 2200PF 50V0402		
	1 C7	1
	6 C237	1
	7 C380	1
	8 C388	1
	9 C1434	1
9300821-0152		1
RESISTOR,0402 1% 332		
	2 R769	1
9300821-0198		24
RESISTOR,0402 1% 1.0K		
	2 R56	1
	4 R105	1
	8 R306	1

	9 R326	1
	10 R329	1
	11 R332	1
	12 R336	1
	13 R344	1
	14 R345	1
	15 R348	1
	16 R353	1
	17 R358	1
	18 R469	1
	19 R569	1
	20 R626	1
	21 R752	1
	22 R759	1
	23 R807	1
	24 R809	1
	25 R1292	1
	26 R1610	1
	27 R1670	1
	28 R1680	1
	29 R1707	1
9300821-0263		79

RESISTOR,0402 1% 4.75K

1 R2	1
2 R8	1
3 R23	1
4 R25	1
5 R32	1
6 R39	1
7 R45	1
8 R46	1
9 R109	1
10 R171	1
11 R178	1
12 R196	1
13 R198	1
14 R247	1
15 R248	1
16 R297	1
17 R298	1
18 R366	1
19 R392	1
20 R393	1
21 R418	1
22 R430	1
23 R431	1
24 R448	1
25 R449	1
26 R450	1
27 R451	1
28 R452	1
29 R453	1
30 R457	1
31 R467	1
32 R470	1
33 R474	1
34 R476	1
35 R477	1
36 R502	1
37 R503	1
38 R504	1
39 R505	1
40 R506	1
41 R507	1
42 R554	1
43 R555	1
44 R582	1
45 R610	1
46 R641	1
47 R642	1
48 R649	1
49 R653	1
50 R671	1
51 R688	1

	52 R690	1
	53 R697	1
	54 R699	1
	55 R712	1
	56 R727	1
	57 R728	1
	58 R729	1
	59 R730	1
	60 R791	1
	61 R808	1
	62 R810	1
	63 R813	1
	65 R815	1
	66 R1218	1
	67 R1294	1
	68 R1336	1
	69 R1354	1
	70 R1486	1
	71 R1491	1
	72 R1497	1
	73 R1502	1
	74 R1503	1
	75 R1606	1
	76 R1607	1
	77 R1608	1
	78 R1679	1
	79 R1708	1
	80 R501	1
9300821-0282		4
RESISTOR,0402 1% 7.5K		
	1 R57	1
	2 R87	1
	3 R172	1
	4 R1662	1
9300821-0286		4
RESISTOR,0402 1% 8.25K		
	5 R566	1
	6 R572	1
	7 R1661	1
	8 R287	1
9300821-0294		53
RESISTOR,0402 1% 10K		
	1 R49	1
	2 R150	1
	3 R201	1
	4 R202	1
	5 R205	1
	6 R206	1
	7 R209	1
	8 R210	1
	9 R214	1
	10 R215	1
	11 R228	1
	12 R232	1
	13 R233	1
	14 R258	1
	15 R260	1
	16 R261	1
	17 R263	1
	18 R299	1
	19 R320	1
	20 R493	1
	21 R511	1
	22 R515	1
	23 R603	1
	24 R655	1
	25 R696	1
	26 R701	1
	27 R702	1
	28 R703	1
	29 R704	1
	30 R705	1
	31 R706	1
	32 R708	1

	33 R714	1
	34 R754	1
	36 R793	1
	37 R794	1
	38 R798	1
	39 R799	1
	40 R801	1
	41 R802	1
	42 R826	1
	43 R1412	1
	44 R1423	1
	45 R1424	1
	46 R1482	1
	47 R1569	1
	48 R1571	1
	49 R1578	1
	50 R1579	1
	51 R1580	1
	52 R1657	1
	53 R1668	1
	54 R304	1
9300821-0390		18
RESISTOR,0402 1% 100K		
	1 R226	1
	2 R236	1
	3 R237	1
	5 R395	1
	6 R402	1
	8 R490	1
	9 R796	1
	10 R797	1
	11 R1211	1
	12 R1279	1
	13 R1283	1
	14 R1285	1
	15 R1299	1
	16 R1493	1
	17 R1631	1
	18 R1669	1
	19 R638	1
	20 R647	1
9300866-0001		1
MMIC,LNA,GAAS,.8-6GHZ 3V SOT363		
	1 AR206	1
9300900-0002		2
TRANS,DIGITAL NPN/PNP ARRAY SMT		
	2 Q15	1
	3 Q24	1
9300900-0003		1
TRANS,DIGITAL NPN/PNP ARRAY SMT		
	1 Q244	1
9300908-0001		2
FILTER,SAW 1542.5MHZ LOW LOSS		
	1 FL11	1
	2 FL12	1
9300983-0001		4
THERMISTOR,NTC CHIP 100K OHM 5%		
	1 RT1	1
	2 RT2	1
	3 RT3	1
	4 RT200	1
9300998-0001		1
CONN,COAXIAL MINIATURE LOW PROFILE SMT		
	3 J200	1
9301007-0002		1
CONNECTOR,SIM WITH EJECTOR PCB		
	1 J2	1
9301017-0001		1
CAP,SUPER		
	1 C1596	1
9301043-0003		3
IC,OP AMP		
	2 AR9	1
	3 AR200	1

	4 AR201	1
9301043-0004		2
IC,QUAD OP AMP RAIL TO RAIL OUTPUT		
	1 AR4	1
	2 AR5	1
9301104-0001		1
IC,RF DETECTOR/CONTROLLER 100-2500MHZ		
	1 U5	1
9301125-0002		2
IC,FREQ SYNTH LOW POWER 550MHZ		
	1 U18	1
	2 U28	1
9301142-0003		2
TRANSISTOR,RF NPN LOW NOISE		
	1 Q242	1
	2 Q9	1
9301164-0001		2
VCO		
	1 Y2	1
	2 Y4	1
9301168-0023		31
RESISTOR,CHIP 0402 51 OHM 1% "FOR THURAY		
	1 R5	1
	2 R38	1
	3 R54	1
	4 R90	1
	5 R104	1
	6 R118	1
	7 R119	1
	8 R169	1
	9 R255	1
	10 R265	1
	11 R276	1
	12 R278	1
	13 R286	1
	14 R288	1
	15 R289	1
	16 R293	1
	17 R302	1
	18 R468	1
	19 R1237	1
	20 R1240	1
	21 R1243	1
	22 R1246	1
	23 R1565	1
	24 R1566	1
	25 R1567	1
	26 R1568	1
	28 R1664	1
	29 R1665	1
	30 R1666	1
	31 R1667	1
	32 R117	1
9301178-0001		1
IC,DUAL TRANSMIT DAC 10BIT		
	1 U43	1
9301208-0001		1
FILTER,SAW 246MHZ LOW LOSS		
	1 FL7	1
9301242-0001		1
IC,ADC 12BIT 8-CHAN SERIAL OUTPUT		
	1 U40	1
9301350-0001		1
IC,I/Q DEMODULATOR W/VCO AND SYNTHESIZER		
	1 U14	1
9011692-0001		1
IC, MICROPROCESSOR XSCALE 32BIT 200		
	1 U51	1
9301369-0001		1
MMIC,MIXER/BUFFER 0.5-2.5GHZ		
	1 U4	1
9301371-0001		1
IC,ISA/PCMCIA FULL DUPLEX ETHERNET CONTR		
	1 U56	1

9301386-0001		1
IC,10BIT,DUAL CHANNEL ADC 20MHZ		
	1 U41	1
9301389-0001		2
IC,VCO BUFFER AMPLIFIER 500-2500MHZ		
	1 U10	1
	2 U11	1
9011431-0001		1
IC,OCTAL 10BIT DAC SMT		
	1 U38	1
9301440-0002		2
IC,SYNTHESIZER 2.5GHZ FRAC-N PLL		
	1 U12	1
	2 U64	1
9301449-0001		2
IC,DUAL OP AMP RAIL-TO-RAIL		
	1 AR10	1
	2 AR11	1
9301477-0001		2
IC,DUAL 2-PHASE SYNC STEP-DOWN SWITCHING		
	1 U50	1
	2 U302	1
9301458-0001		1
Filter,bandpass 2450 mhz		
	1 FL9	1
9301463-0001		2
TRANSISTOR,P-CHANNEL MOSFET SM		
	1 Q200	1
	2 Q201	1
9007743-0025		1
LABEL,BLANK 1.50X.25" WHITE POLYIMIDE		
9005935-0067		2
CAP,TANT CHIP 1.0UF 10% 35V		
	1 C114	1
	3 C172	1
3003740-0002		1
PID, BGAN Flash U62		
	1 U62	1
9300950-0006		0
IC,FLASH 2MX16 90NS 3V		
9301426-0005		1
IC,FLASH 2MX16 90NS 3V		
3003741-0002		1
PID, BGAN Flash U63		
	1 U63	1
9300950-0006		0
IC,FLASH 2MX16 90NS 3V		
9301426-0005		1
IC,FLASH 2MX16 90NS 3V		
9300291-0003		1
CAP,CER C0G +/- .25PF 0.5PF 50V 0603		
	1 C385	1
9005700-0162		5
CAP,CER C0G 50V 1800PF 5%		
	1 C639	1
	2 C649	1
	3 C68	1
	4 C320	1
	5 C613	1
9300418-0002		1
TRANSISTOR,NPN 5GHZ SMT		
	1 Q34	1
9300103-0001		6
RESISTOR,0805 1/10W 5% 10		
	1 R337	1
	2 R338	1
	4 R365	1
	7 R471	1
	10 R760	1
	11 R1556	1
9006246-0005		3
DIODE,SCHOTTKY BARRIER SOT23		
	1 CR21	1
	2 CR22	1

	3 CR23	1
9300369-0222		4
RESISTOR,0603 1/16W 1% 1.82K		
	1 R77	1
	2 R1449	1
	3 R376	1
	4 R75	1
1014930-0001		1
LABEL,BAR CODE		
9008276-0015		0.073
RIBBON,BLACK RESIN 1.57"X450M		
9011416-0001		1
IC,TEMP SENS,-55/+125 LP ANALOG		
	1 U213	1
9301495-0002		1
IC,ISDN TRANSCEIVER		
	1 U204	1
9011408-0001		1
TRANSFORMER,ISDN SO INTFC 96KHZ		
	1 T200	1
9301432-0002		2
TRANSISTOR,DUAL N-CH MOSFET W/SCHOTTKY D		
	1 U48	1
	2 U49	1
9011428-0001		1
TRANSISTOR,DUAL N CHANNEL MOSFET 20V		
	1 Q216	1
9301453-0020		1
CAP,POLYMER 100UF 8V .012 OHM		
	1 C1317	1
9300604-0001		3
IC,CMOS OP AMP RAIL-TO-RAIL SM		
	1 AR6	1
	2 AR202	1
	3 AR203	1
9010896-0005		3
INDUCTOR,PWR,SHLD,15UH,20%,4.98A		
	1 L58	1
	2 L219	1
	3 L220	1
9200376-0001		2
IC,OPTO-COUPLER SMT		
	1 U6	1
	2 U7	1
9006134-0025		1
DIODE,ZENER 33V 5% SOT-23		
	1 VR1	1
9300110-0309		5
RESISTOR,0805 1/10W 1% 15.8K		
	1 R406	1
	2 R439	1
	3 R1203	1
	4 R1576	1
	5 R1710	1
9300369-0277		3
RESISTOR,0603 1/16W 1% 6.81K		
	2 R819	1
	3 R1277	1
	4 R1281	1
3003912-0001		1
ASIC, Congo		
	1 U54	1
9300110-0573		2
RESISTOR,0805 1/10W 1% 5.62		
	1 R1204	1
	2 R1205	1
9301419-0002		2
CONN,HIGH DENSITY STACKER 50X5		
	1 J11	1
	2 J21	1
9007261-0043		1
CONN,MCX RCPT STR PCB		
	1 J1	1
9011672-0001		2

IC,BUS SWITCH 20-BIT BI-DIR LV		
	1 U300	1
	2 U301	1
9005700-0353		23
CAP,CER X5R 16V 10UF 20%		
	1 C5	1
	2 C11	1
	3 C13	1
	4 C16	1
	5 C38	1
	6 C153	1
	7 C302	1
	8 C308	1
	9 C321	1
	10 C503	1
	11 C518	1
	12 C520	1
	13 C555	1
	14 C769	1
	15 C1313	1
	16 C1335	1
	17 C1336	1
	18 C1337	1
	19 C1338	1
	20 C1339	1
	21 C1340	1
	22 C1341	1
	23 C1424	1
9006144-0015		1
XTAL,20.000 MHZ 50PPM 20PF IND		
	1 Y17	1
9006818-0076		1
OSC,CLK,HCMOS,20MHZ,50PPM 3.3V IND		
	1 Y10	1
9006872-0018		1
CAP,CER X7R 1000PF 10% 2KV		
	1 C317	1
9007960-0011		16
CAP,CER X7R 1.0UF 10% 50V		
	1 C208	1
	2 C246	1
	3 C455	1
	4 C457	1
	5 C475	1
	6 C817	1
	7 C1438	1
	8 C1439	1
	9 C1440	1
	10 C1	1
	11 C602	1
	12 C603	1
	13 C604	1
	14 C605	1
	15 C606	1
	16 C607	1
9008432-0005		4
RESISTOR,POWER,1/2W 1% 0.025OHM		
	1 R460	1
	2 R654	1
	3 R1500	1
	4 R1501	1
9009023-0005		2
DIODE,SCHOTTKY BARR,7.0A/35V		
	2 CR9	1
	3 CR11	1
9009091-0020		1
CRYSTAL,HC49,3.6864MHZ 20PF IND TEMP		
	1 Y9	1
9009405-0001		2
RESISTOR,POWER,1W 1% 0.06OHM		
	1 R280	1
	2 R284	1
9010979-0002		2
IC,DRAM,SYNC,4MX16X4,3.3V 85C		

	1 U57	1
	2 U58	1
9011256-0001		3
DIODE ARRAY,TVS 5V		
	1 CR100	1
	2 CR101	1
	3 CR216	1
9011392-0001		3
TRANSISTOR,FAST MOSFET N-CHAN 60V		
	1 Q28	1
	2 Q235	1
	3 Q236	1
9011434-0001		1
IC,XCVR,RS232 2TX 2RX 250KBPS		
	1 U47	1
9011445-0004		10
LED,BICOLOR CHIP RED/GRN SMT		
	1 DS10	1
	2 DS11	1
	3 DS12	1
	4 DS13	1
	5 DS14	1
	6 DS15	1
	7 DS16	1
	8 DS17	1
	9 DS18	1
	10 DS19	1
9012124-0003		15
IC,REG,LDO,LOW NOISE,5.0V 150MA		
	1 U15	1
	2 U20	1
	3 U21	1
	4 U24	1
	5 U26	1
	6 U27	1
	7 U31	1
	8 U36	1
	9 U65	1
	10 U79	1
	11 U80	1
	12 U81	1
	13 U82	1
	14 VR2	1
	15 U60	1
9012124-0001		7
IC,REG,LDO,LOW NOISE,3.0V 150MA		
	2 U17	1
	3 U30	1
	4 U32	1
	5 U33	1
	6 U35	1
	8 U42	1
	10 U219	1
9012124-0002		1
IC,REG,LDO,LOW NOISE,3.6V 150MA		
	1 U16	1
9300984-0014		2
INDUCTOR,CHOKE SHLD 2.2UH 1.32A		
	1 L1	1
	2 L2	1
9011671-0002		1
IC,LITHIUM-ION BATTERY CHARGR CONTROLLER		
	1 U44	1
9012169-0001		2
IC,REG PWM 2A STEP DOWN		
	1 U46	1
	2 U55	1
9011735-0001		1
IC, Slew Rate CTRL, DC/DC XFMR DRV		
	1 U2	1
9011779-0001		4
INDUCTOR,0603 12UH 10% 5MA		
	1 L213	1
	2 L214	1

	3 L215	1
	4 L216	1
3003533-0001		2
Connector, Ethernet		
	1 J23	1
	2 J204	1
9300102-2139		33
RESISTOR,2010 1/2W 5% 560		
	1 R110	1
	2 R111	1
	3 R165	1
	4 R197	1
	5 R199	1
	6 R223	1
	7 R224	1
	8 R225	1
	9 R227	1
	10 R230	1
	13 R497	1
	14 R509	1
	17 R1581	1
	18 R1582	1
	19 R1583	1
	20 R1584	1
	21 R1585	1
	22 R1586	1
	23 R1587	1
	24 R1588	1
	25 R1589	1
	26 R1590	1
	27 R1591	1
	28 R1592	1
	29 R1593	1
	30 R1594	1
	31 R1595	1
	32 R1596	1
	33 R1597	1
	34 R1598	1
	35 R1599	1
	36 R1602	1
	37 R1603	1
9300104-9752		8
CAP,CER .1UF 10% X7R 50V		
	1 C49	1
	2 C56	1
	3 C57	1
	4 C266	1
	5 C298	1
	6 C300	1
	7 C531	1
	8 C1441	1
9300326-0108		3
RES,0402 5% 27K		
	2 R605	1
	3 R1212	1
	4 R1215	1
9300369-0454		10
RESISTOR,0603 1/16W 1% 475K		
	2 R426	1
	3 R434	1
	4 R441	1
	5 R662	1
	7 R786	1
	8 R787	1
	9 R788	1
	10 R789	1
	11 R790	1
	12 R1632	1
9300478-0012		1
XTAL,WATCH 32.768KHZ 12.5PF 50PPM		
	1 Y8	1
3003742-0001		1
PID, BGAN PIC U29		
	1 U29	1

9300563-0009		1
IC,8-BIT CMOS FLASH MICRO-CTRL 10BIT A/D		
9300821-0344		7
RESISTOR,0402 1% 33.2K		
	3 R432	1
	4 R436	1
	5 R510	1
	6 R645	1
	8 R1495	1
	9 R1574	1
	10 R1575	1
3003532-0001		1
Connector, USB		
	1 J6	1
9301358-0007		1
IC,DSP FIXED POINT 200MHZ EXTD TEMP		
	1 U45	1
9301383-0001		1
IC,12-BIT DAC WITH POWER DOWN		
	1 U39	1
9301400-0002		1
IC,PROGRAMMABLE PLL CLOCK GEN 85C		
	1 U208	1
9301453-0011		4
CAP,POLYMER 82UF 4V .018OHM		
	1 C8	1
	2 C512	1
	3 C792	1
	4 C1413	1
9006495-0050		3
FILTER,FERRITE CHIP 600-OHM .3A 0402		
	1 L221	1
	2 L222	1
	3 L223	1
9007849-0001		4
DIODE,SCHOTTKY RECT 3A 40V SMT		
	1 CR10	1
	2 CR217	1
	3 CR218	1
	4 CR8	1
9301448-0002		2
INDUCTOR,POWER 10UH 20% LOW PROFILE		
	1 L134	1
	2 L218	1
9301471-0005		1
Diplexer,RX 1.525-1.559/TX1.6265-1.6605		
	1 FL2	1
9011100-0002		2
IC SINGLE BUFFER 3ST		
	1 U59	1
	3 U66	1
9011744-0003		1
CONNECTOR,BATTERY RIGHT KEY STR LEADS		
	1 J16	1
9011809-0001		2
SWITCH,R/A DPST 6MM 12VDC 50MA GRAY		
	1 S1	1
	2 S4	1
9011832-0001		1
IC,LED DISPLAY DRIVER 28-PORT		
	1 U303	1
9301019-0003		1
SOUND GENERATOR,2730HZ 5V TOP HOLE		
	1 LS1	1
9005935-0054		4
CAP,TANT CHIP 10UF 20% 10V		
	1 C365	1
	2 C530	1
	3 C563	1
	4 C564	1
9006507-0165		1
RES,CHIP 1/4W 1% 51.1		
	1 R235	1
9009860-0012		1

CAP,RF C0G 1.0PF 0.1PF 50V		
	1 C574	1
9300326-0098		6
RES,0402 5% 10K		
	2 R106	1
	3 R107	1
	4 R120	1
	5 R122	1
	6 R281	1
	7 R282	1
9300369-0278		2
RESISTOR,0603 1/16W 1% 6.98K		
	1 R1671	1
	2 R285	1
9300388-0007		1
CAP,NPO +-.25PF 1.5PF 50V 0402		
	1 C313	1
9300388-0011		2
CAP,NPO +-.25PF 3.3PF 50V 0402		
	1 C258	1
	5 C1543	1
9300744-0024		1
CAP,CER X7R 10% 1200PF 50V0402		
	1 C364	1
9011749-0002		1
IC,RF LINEAR VGA .8-2.1GHZ 20DB 9DBNF 3V		
	1 AR205	1
9011752-0001		1
AMP HBT MMIC SI/GE DC-3.5GHZ 50-OHM		
	1 AR204	1
9011841-0001		2
TRANSISTOR,LO-NOISE E-PHEMT 6GHZ		
	1 Q245	1
	2 Q8	1
9301343-0002		1
IC,PROGRAMMABLE 3-PLL CLOCK GEN 85C		
	1 U25	1
9011624-0001		1
IC,SWITCH GAAS MMIC,SPDT,DC-3GHZ		
	1 U305	1
9300326-0024		4
RES,0402 5% 8.2		
	1 R51	1
	2 R81	1
	3 R93	1
	4 R94	1
9011837-0001		1
HOLDER,SIM CARD		
9011893-0001		1
IC,GPS RECEIVER MACRO-COMPONENT		
	1 U34	1
9011835-0001		1
FILTER,SAW 1575.42MHZ 2MHZ-BW 50-OHM		
	1 FL13	1
9011932-0002		1
INDUCTOR,CHIP 8.2NH 10% 0402		
	1 L16	1
9011932-0003		1
INDUCTOR,CHIP 10NH 10% 0402		
	1 L33	1
9300527-0031		2
INDUCTOR,0603 5% 8.2NH		
	1 L251	1
	2 L4	1
9011940-0001		1
FILTER,SAW 188MHZ		
	1 FL5	1
3003956-0001		1
TRANSFORMER, ISDN POWER		
	1 T999	1
9011584-0001		1
MMIC,FREQ UP CONVERTER 3V .8-2.5GHZ		
	1 U13	1
9011586-0001		1

MMIC,AGC I/Q-MOD 3V 380MHZ		
	1 U8	1
9012164-0001		2
IC,AMP,CURRENT SENSE,HI SIDE,76V SMT		
	1 U1	1
	2 U19	1
9012179-0001		1
IC,SIM POWER SUPPLY/LEVEL TRANSLATOR		
	1 U999	1
9301494-0001		2
IC,SINGLE GATE INVERTER SMT		
	1 U23	1
	2 U61	1
9300948-0004		1
CONN,SOCKET 0.5MM 50POS SMT		
	1 J130	1
9300388-0009		4
CAP,NPO +/- .25PF 2.2PF 50V 0402		
	1 C209	1
	2 C1550	1
	3 C79	1
	4 C1572	1
9006244-0032		2
INDUCTOR,CHIP 100NH 10%		
	1 L44	1
	2 L45	1
9006507-0117		1
RES,CHIP 1/4W 1% 16.2		
	1 R234	1
9007848-0031		8
CAP,TANT CHIP 15UF 20% 50V		
	1 C575	1
	2 C577	1
	3 C578	1
	4 C580	1
	5 C583	1
	6 C584	1
	7 C585	1
	8 C586	1
9008119-0019		2
CAP,RF C0G 0603 5.6PF 0.1PF		
	1 C77	1
	2 C250	1
9008119-0024		12
CAP,RF C0G 0603 15PF 1%		
	1 C201	1
	2 C253	1
	3 C255	1
	4 C362	1
	5 C363	1
	6 C516	1
	7 C529	1
	8 C550	1
	9 C569	1
	10 C573	1
	11 C581	1
	12 C590	1
9008119-0038		2
CAP,RF C0G 0805 2.2PF 0.1PF		
	1 C269	1
	2 C443	1
9008119-0110		3
CAP,RF C0G 0603 1.0PF 0.1PF 100V		
	1 C513	1
	2 C579	1
	4 C544	1
9010204-0002		2
RESISTOR 1W 1% 0.051 OHMS		
	1 R35	1
	2 R167	1
9300105-9735		1
CAP,CER NPO 15PF 5% 50V		
	1 C148	1
9300110-0059		3

RESISTOR,0805 1/10W 1% 39.2	1 R4	1
	2 R7	1
	3 R168	1
9300110-0364		2
RESISTOR,0805 1/10W 1% 59.0K	1 R1414	1
	2 R1672	1
9300292-0000		1
CAP,X7R TBD 0603	1 C651	1
9300292-0051		2
CAP,X7R 10% 470PF 50V	1 C676	1
	2 C692	1
9300292-0055		8
CAP,X7R 10% 1000PF 50V	1 C25	1
	2 C26	1
	3 C27	1
	5 C43	1
	6 C48	1
	7 C51	1
	8 C52	1
	9 C54	1
9300292-0062		1
CAP,X7R 10% 3900PF 50V 0603	1 C293	1
9300293-0066		2
RESISTOR,0603 1/16W 5% 510	1 R170	1
	2 R295	1
9300326-0043		1
RES,0402 5% 51	1 R604	1
9300326-0046		3
RES,0402 5% 68	1 R249	1
	2 R250	1
	3 R85	1
9300326-0074		7
RES,0402 5% 1.0K	1 R10	1
	2 R15	1
	3 R36	1
	4 R108	1
	5 R658	1
	6 R672	1
	7 R420	1
9300326-0092		1
RES,0402 5% 5.6K	1 R317	1
9300369-0199		1
RESISTOR,0603 1/16W 1% 1.05K	1 R1415	1
9300369-0211		4
RESISTOR,0603 1/16W 1% 1.40K	1 R327	1
	2 R328	1
	3 R330	1
	4 R331	1
9300487-0077		1
INDUCTOR,CHIP 5% 18NH 0603	1 L83	1
9300821-0362		2
RESISTOR,0402 1% 51.1K	1 R76	1
	2 R195	1
9011932-0005		1
INDUCTOR,CHIP 22NH 10% 0402	1 L247	1
9301311-0004		9
INDUCTOR,0402 3.3NH 5%	1 L10	1

	2 L11	1
	3 L12	1
	4 L242	1
	5 L243	1
	6 L244	1
	7 L6	1
	8 L80	1
	9 L81	1
9301446-0003		2
CAP,FILM CHIP 0.47UF 16V 5%		
	1 C218	1
	2 C399	1
9012192-0001		1
TERMINATIONTHK FILM,50 OHM 8W 4GHZ		
	2 R294	1
9012202-0001		3
TRANSISTOR,P-CHAN MOSFET 30V T&R		
	1 Q23	1
	2 Q25	1
	3 Q26	1
9012205-0001		4
COUPLER,90 DEGREE HYBRID SMT		
	1 DC1	1
	2 DC2	1
	3 DC3	1
	4 DC4	1
9300369-0019		2
RESISTOR,0603 1/16W 1% 14.0		
	1 R6	1
	2 R9	1
9300369-0288		1
RESISTOR,0603 1/16W 1% 8.87K		
	1 R256	1
9011642-0001		10.621
Solder Paste,No-clean		
9300326-0048		1
RES,0402 5% 82		
	1 R1663	1
9300369-0299		1
RESISTOR,0603 1/16W 1% 11.5K		
	1 R1676	1
9300369-0303		1
RESISTOR,0603 1/16W 1% 12.7K		
	1 R1673	1
9300369-0322		1
RESISTOR,0603 1/16W 1% 20.0K		
	1 R301	1
9300369-0333		1
RESISTOR,0603 1/16W 1% 26.1K		
	1 R300	1
9007389-0001		1
SWITCH,PB SPST NO JLEAD SMT		
	1 S3	1
9005390-0259		2
RESISTOR,CHIP 1206 ZERO OHM		
	1 R367	1
	2 R372	1
9008119-0011		2
CAP,RF C0G 0603 1.2PF 0.1PF		
	1 C576	1
	2 C588	1
9008119-0022		3
CAP,RF C0G 0603 10PF 1%		
	1 C396	1
	2 C1570	1
	3 C42	1
9012233-0001		2
TRANSISTOR,PWR LDMOS N-CHAN 2.7GHZ 10W		
	1 Q1	1
	2 Q2	1
9300293-0000		1
RESISTOR,0603 1/16W 5% 0 OHM		
	1 R643	1
9300326-0056		3

RES,0402 5% 180		
	1 R238	1
	2 R240	1
	3 R121	1
9300369-0330		1
RESISTOR,0603 1/16W 1% 24.3K		
	1 R303	1
9300369-0399		1
RESISTOR,0603 1/16W 1% 127K		
	1 R29	1
9300527-0011		1
INDUCTOR,0603 5% 12NH		
	1 L76	1
9301041-0001		1
OSC,VCTCXO 13.00MHZ		
	1 Y6A	1
3003526-0001		1
CCA, BGAN WLAN DAUGHTER CARD		
3003525-0001		1
PWB, WLAN DAUGHTER CARD		
	3003527	
SCHEMATIC, CCA, BGAN WLAN DAUGHTER CARD		
9005935-0067		2
CAP,TANT CHIP 1.0UF 10% 35V		
	1 C121	1
	2 C126	1
9007960-0008		3
CAP,CER X7R 10UF 20% 10V		
	1 C255	1
	2 C260	1
	3 C265	1
9012115-0001		1
IC,SINGLE COMP 802.11B PHYS LAYER SOL		
	1 U250	1
9012117-0001		1
IC,MEDIA ACCESS CONTRL WIRELESS LAN		
	1 U300	1
9012152-0001		1
IC,SRAM 512KX16 55NS 3.3V		
	1 U370	1
9012162-0001		2
DIODE,DOUBLE,HI SPEED,SWITCHING		
	1 CR240	1
	2 CR241	1
9200102-0052		1
CONN,HEADER 1 ROW 2POS BD-SP SMT		
	1 J231	1
9300103-0000		3
RESISTOR,0805 1/10W 5% ZERO		
	1 R126	1
	2 R230	1
	3 R232	1
9300104-0012		3
CAP,CER 1.0UF 10% 10V X7R		
	1 C250	1
	2 C270	1
	3 C275	1
9300326-0122		1
RES,0402 5% 100K		
	7 R358	1
9300326-0200		44
RESISTOR,0402 5% 0 OHM JUMPER		
	1 R200	1
	2 R201	1
	3 R202	1
	4 R203	1
	5 R204	1
	6 R205	1
	7 R206	1
	8 R207	1
	9 R208	1
	10 R209	1
	11 R210	1
	12 R211	1

	13 R212	1
	14 R213	1
	15 R214	1
	16 R215	1
	17 R216	1
	18 R217	1
	19 R218	1
	20 R220	1
	21 R223	1
	22 R225	1
	23 R226	1
	25 R250	1
	26 R255	1
	27 R260	1
	28 R261	1
	29 R262	1
	30 R265	1
	31 R270	1
	32 R275	1
	33 R280	1
	34 R285	1
	35 R290	1
	36 R350	1
	37 R351	1
	38 R352	1
	39 R353	1
	40 R354	1
	41 R355	1
	42 R356	1
	43 R359	1
	44 R360	1
	45 R100	1
9300388-0016		1
CAP,NPO +-.25PF 8.2PF 50V 0402		
	1 C232	1
9300388-0021		1
CAP,CER NPO 5% 22PF 50V 0402		
	1 C358	1
9300821-0263		4
RESISTOR,0402 1% 4.75K		
	2 R242	1
	3 R349	1
	4 R370	1
	5 R450	1
9300948-0003		1
CONN,HEADER 0.5MM 50POS SMT		
	1 J130	1
9300976-0001		37
CAP,CER Y5V .1UF +80/-20% 16V 0402		
	1 C280	1
	2 C285	1
	3 C290	1
	4 C300	1
	5 C301	1
	6 C302	1
	7 C303	1
	8 C304	1
	9 C305	1
	10 C306	1
	11 C307	1
	12 C308	1
	13 C309	1
	14 C310	1
	15 C311	1
	16 C312	1
	17 C313	1
	18 C314	1
	19 C315	1
	20 C316	1
	21 C317	1
	22 C318	1
	23 C319	1
	24 C320	1
	25 C321	1

	26 C322	1
	27 C323	1
	28 C324	1
	29 C325	1
	30 C326	1
	31 C327	1
	32 C328	1
	33 C329	1
	34 C330	1
	35 C331	1
	37 C370	1
	38 C371	1
9300998-0001		1
CONN,COAXIAL MINIATURE LOW PROFILE SMT		
	1 J230	1
9300326-0076		5
RES,0402 5% 1.2K		
	1 R237	1
	2 R238	1
	3 R239	1
	4 R342	1
	5 R345	1
9300326-0082		1
RES,0402 5% 2.2K		
	1 R241	1
9007743-0025		1
LABEL,BLANK 1.50X.25" WHITE POLYIMIDE		
3003747-0001		1
Cable,W-LAN		
9003591-0052		4
BUMPER BLK .50 SQ X .23 H		
9012367-0001		3
FILTER,BP 1643.5MHZ INMARSAT		
	1 FL1	1
	2 FL6	1
	3 FL8	1
9011932-0006		1
INDUCTOR,CHIP 12nH 10% 0402		
	1 L245	1
9300326-0053		2
RES,0402 5% 130		
	1 R60	1
	2 R65	1
9300369-0089		4
RESISTOR,0603 1/16W 1% 75.0		
	1 R617	1
	2 R622	1
	3 R623	1
	4 R624	1
9300388-0010		1
CAP,NPO +-.25PF 2.7PF 50V 0402		
	1 C243	1
9300527-0093		1
INDUCTOR,0603 2% 30NH		
	1 L62	1

Worksheet MCN-MPN (Pages 40-45)

3003925-0001 Install Kit, BGAN, Euro, Class 1 UT, Rev 02, 7-22-04

HNS Part Number	Description	Manufacturer Name	Manufacturer Part Number	Qty
3003701-0001	Antenna, Class 1, Internal, BGAN	OMNIPLESS		1
9301471-0005	Diplexer,RX 1.525-1.559/TX1.6265-1.6605	LARK ENGINEERING COMPANY	8SDD805-606	1
3003702-0001	Battery Pack, Standard, BGAN	NATIONAL POWER		1
9011893-0001	IC,GPS RECEIVER MACRO-COMPONENT	U-BLOX AMERICA INC	TIM-LF-0-000-5	1
3003917-0001	PWB, BGAN, Class 1 UT	MULTEK		1
9011692-0001	IC, MICROPROCESSOR XSCALE 32BIT 200	INTEL CORPORATION	GDPXA255A0E200	1
3003921-0001	Housing,Bottom	WAFFER		1
9012233-0001	TRANSISTOR,PWR LDMOS N-CHAN 2.7GHZ 10W	Agere Systems Inc	AGRB10E	2
9301419-0002	CONN,HIGH DENSITY STACKER 50X5	SAMTEC, INCORPORATED	YFT-50-05-G-05-SB	2
9012117-0001	IC,MEDIA ACCESS CONTRL WIRELESS LAN	Agere Systems Inc	WL60010	1
9301358-0007	IC,DSP FIXED POINT 200MHZ EXT D TEMP	TEXAS INSTRUMENTS INC.	TMS320VC5510AGGWA2	1
9007848-0031	CAP,TANT CHIP 15UF 20% 50V	KEMET ELECTRONICS CORPORATION	T495X156M050AS	8
3003912-0001	ASIC, Congo	KLSI		1
9010979-0002	IC,DRAM,SYNC,4MX16X4,3.3V 85C	MICRON SEMICONDUCTOR PRODUCTS	MT48LC16M16A2TG-7EIT	2
9301371-0001	IC,ISA/PCMCIA FULL DUPLEX ETHERNET CONTR	STANDARD MICROSYSTEMS CORP.	LAN91C96QFP	1
3003727-0001	CONVERTER,AC/DC EURO CORD	FRIWO		1
9010391-0001	IC,PCS LINEAR PA 1.5/2.0GHZ	RF MICRO DEVICES	RF2146	2
9012115-0001	IC,SINGLE COMP 802.11B PHYS LAYER SOL	Agere Systems Inc	WL1141MIZE-DB	1
9301477-0001	IC,DUAL 2-PHASE SYNC STEP-DOWN SWITCHING	LINEAR TECHNOLOGY CORPORATION	LTC1628CG-SYNC	2
9301495-0002	IC,ISDN TRANSCEIVER	INFINEON TECHNOLOGIES CORPORATION	PSB/PSF 21150F-V1.4	1
3003939-0001	Stand,Portable	RAPID CONN-JOTECH		1
9012152-0001	IC,SRAM 512KX16 55NS 3.3V	TOSHIBA AMERICA	TC55VEM316AXBN55	1
9301178-0001	IC,DUAL TRANSMIT DAC 10BIT	ANALOG DEVICES, INC.	AD9761ARS	1
9012205-0001	COUPLER,90 DEGREE HYBRID SMT	FLORIDA RF LABS	HM10J	4
9301164-0001	VCO	PANASONIC	ENFVF1B4SH1	2
9008119-0024	CAP,RF C0G 0603 15PF 1%	AVX CORPORATION	06035J150FAWTR	12
9301383-0001	IC,12-BIT DAC WITH POWER DOWN	TEXAS INSTRUMENTS INC.	TLV5616IDR	1
9301440-0002	IC,SYNTHESIZER 2.5GHZ FRAC-N PLL	PHILIPS SEMICONDUCTORS	SA8028W	2
9011431-0001	IC,OCTAL 10BIT DAC SMT	TEXAS INSTRUMENTS INC.	TLV5608IPW	1
9301041-0001	OSC,VCTCXO 13.00MHZ	KSS	VC-TCXO-205CA 13MHZ	1
9011672-0001	IC,BUS SWITCH 20-BIT BI-DIR LV	INTEGRATED DEVICE TECHNOLOGY	IDT74CBTLV16210PF	2
9011445-0004	LED,BICOLOR CHIP RED/GRN SMT	AMERICAN BRIGHT OPTOELECTRONICS	BL-HJEGX34B-B02-AA-TRB	10
9301386-0001	IC,10BIT,DUAL CHANNEL ADC 20MHZ	ANALOG DEVICES, INC.	AD9201ARS	1
3003556-0001	Stabilizer	RAPID CONN		1
9011841-0001	TRANSISTOR,LO-NOISE E-PHEMT 6GHZ	AGILENT TECHNOLOGIES	ATF54143-TR1	2
9301208-0001	FILTER,SAW 246MHZ LOW LOSS	EPCOS	B39251-B3678-U310	1
9011940-0001	FILTER,SAW 188MHZ	VECTRON INTERNATIONAL	TFS188A	1
9011735-0001	IC, Slew Rate CTRL, DC/DC XFMR DRV	LINEAR TECHNOLGY CORP	LT3439EFE	1
9300908-0001	FILTER,SAW 1542.5MHZ LOW LOSS	EPCOS	B39152-B4112-Z610	2
9301350-0001	IC,I/Q DEMODULATOR W/VCO AND SYNTHESIZER	MAXIM INTEGRATED PRODUCTS	MAX2312EEI	1
9008509-0002	COUPLER,DIR,1.5-2.2GHZ,20DB	ANAREN	1A1305-20	1
9011408-0001	TRANSFORMER,ISDN SO INTFC 96KHZ	VAC Magnetics Corporation	T60407-M5014-X002	1
9301343-0002	IC,PROGRAMMABLE 3-PLL CLOCK GEN 85C	AMI SEMICONDUCTOR	FS6377-01I(11486-901)	1
9011586-0001	MMIC,AGC I/Q-MOD 3V 380MHZ	NEC CORPORATION TOKYO	UPC8195K	1
9301400-0002	IC,PROGRAMMABLE PLL CLOCK GEN 85C	INTEGRATED CIRCUITS SYSTEMS,	ICS307M-02IT	1
9012169-0001	IC,REG PWM 2A STEP DOWN	MAXIM INTEGRATED PRODUCTS	MAX1951ESA	2
3003933-0001	Seal,Battery	S/G INDUSTRIES		2
9301242-0001	IC,ADC 12BIT 8-CHAN SERIAL OUTPUT	BURR BROWN	ADS7844EB/2K5	1
9301311-0004	INDUCTOR,0402 3.3NH 5%	COILCRAFT, INC.	0402CS-3N3XJBW	9
9301448-0002	INDUCTOR,POWER 10UH 20% LOW PROFILE	SUMIDA ELECTRIC	CEI122-100	2
3003747-0001	Cable,W-LAN	RAPID CONN		1
9008432-0005	RESISTOR,POWER,1/2W 1% 0.025OHM	DALE ELECTRONICS	WSL-2010 0.025 1%	4
3003692-0001	Cable, Ethernet	RAPID CONN		2
9301125-0002	IC,FREQ SYNTH LOW POWER 550MHZ	NATIONAL SEMICONDUCTOR	LMX2306TMX	2
9012124-0003	IC,REG,LDO,LOW NOISE,5.0V 150MA	MAXIM INTEGRATED PRODUCTS	MAX8878EUK50-T	15
9300948-0003	CONN,HEADER 0.5MM 50POS SMT	HIROSE ELECTRIC	DF17(2.0)-50DP-0.5V(51)	1
9012179-0001	IC,SIM POWER SUPPLY/LEVEL TRANSLATOR	LINEAR TECHNOLOGY CORPORATION	LTC4555EUD	1
9300893-0002	FILTER,CERAMIC BP 1643.5MHZ	SIEMENS CORP	B69812-N1647-A535	2
9301007-0002	CONNECTOR,SIM WITH EJECTOR PCB	MOLEX INCORPORATED	91228-0002	1
9011434-0001	IC,XCVR,RS232 2TX 2RX 250KBPS	MAXIM INTEGRATED PRODUCTS	MAX3223ECUP	1
9011832-0001	IC,LED DISPLAY DRIVER 28-PORT	MAXIM INTEGRATED PRODUCTS	MAX6956AAX	1

9300948-0004	CONN, SOCKET 0.5MM 50POS SMT	HIROSE ELECTRIC	DF17(4.0)-50DS-0.5V(51)	1
9011122-0018	CAP, ELECT LOW-Z 68UF 20% 35V	PANASONIC	EEVFK1V680XP	11
9005700-0353	CAP, CER X5R 16V 10UF 20%	TDK CORPORATION OF AMERICA	C3225X5R1C106M	23
9011671-0002	IC, LITHIUM-ION BATTERY CHARGR CONTROLLER	MAXIM INTEGRATED PRODUCTS	MAX1873SEEE	1
9301104-0001	IC, RF DETECTOR/CONTROLLER 100-2500MHZ	ANALOG DEVICES, INC.	AD8314ARM-REEL	1
9012164-0001	IC, AMP, CURRENT SENSE, HI SIDE, 76V SMT	MAXIM INTEGRATED PRODUCTS	MAX4080SASA	2
3003942-0001	Contact, Antenna, W-Lan	EVERETT CHARLES		1
9007941-0007	IC, VOLTAGE REFERENCE 2.5V 0.1%	NATIONAL SEMICONDUCTOR	LM4040AIM3-2.5	2
9301453-0011	CAP, POLYMER 82UF 4V .018OHM	PANASONIC	EEFCD0G820R	4
9300983-0001	THERMISTOR, NTC CHIP 100K OHM 5%	EPCOS	B57620C104J162	4
3003922-0001	Seal, Main	S/G INDUSTRIES		1
3003929-0001	Seal, Power Jack Cover	S/G INDUSTRIES		1
9011744-0003	CONNECTOR, BATTERY RIGHT KEY STR LEADS	AMP INCORPORATED	787366-1	1
9011256-0001	DIODE ARRAY, TVS 5V	SEMTECH	SRV05-4.TC	3
3003932-0001	Latch, Battery	RAPID CONN		1
9300297-0003	TRANSISTOR, NPN HIGH FREQ SMT	NEC Electronics America, Inc	NE68030	4
9300102-2139	RESISTOR, 2010 1/2W 5% 560	ROHM ELECTRONICS	MCR50LZHW561	37
9301389-0001	IC, VCO BUFFER AMPLIFIER 500-2500MHZ	MAXIM INTEGRATED PRODUCTS	MAX2472EUT-T	2
9011752-0001	AMP HBT MMIC SIGE DC-3.5GHZ 50-OHM	SIRENZA MICRODEVICES	SGA-6589	1
9012099-0001	VENT, MEMBRANE BPC 10.2X5.5MM	W L GORE & ASSOCIATES INC	VE40510	2
9011749-0002	IC, RF LINEAR VGA .8-2.1GHZ 20DB 9DBNF 3V	RF MICRO DEVICES	RF2381	1
9301369-0001	MMIC, MIXER/BUFFER 0.5-2.5GHZ	TRIQUINT	CMY212	1
3003027-0003	Cable Assy, A to B USB			1
9301449-0001	IC, DUAL OP AMP RAIL-TO-RAIL	NATIONAL SEMICONDUCTOR	LMV722MX	2
9008119-0038	CAP, RF C0G 0805 2.2PF 0.1PF	AVX CORPORATION	08055J2R2BAWTR	2
9011584-0001	MMIC, FREQ UP CONVERTER 3V .8-2.5GHZ	NEC CORPORATION TOKYO	UPC8187TB	1
9010896-0005	INDUCTOR, PWR, SHLD, 15UH, 20%, 4.98A	FALCO ELECTRONICS	SDQIE1007-156	3
9301019-0003	SOUND GENERATOR, 2730HZ 5V TOP HOLE	CITIZEN ELECTRONICS CO, LTD	CHB-03D	1
9006642-0007	XFMR, ISOLATION 10BASE-T SMT	PULSE ENGINEERING, INC.	PE-65726T	1
9006818-0076	OSC, CLK, HCMOS, 20MHZ, 50PPM 3.3V IND	SIWARD INTERNATIONAL, INC	OSC061050D-20-3.3-TS	1
9011835-0001	FILTER, SAW 1575.42MHZ 2MHZ-BW 50-OHM	SAWTEK, INC.	856308	1
9301446-0003	CAP, FILM CHIP 0.47UF 16V 5%	PANASONIC	ECWU1C474JC9	2
9009405-0001	RESISTOR, POWER, 1W 1% 0.06OHM	DALE ELECTRONICS	WSL-2512 0.06 1%	2
9012202-0001	TRANSISTOR, P-CHAN MOSFET 30V T&R	VISHAY SILICONIX / TEMIC SEMICONDUCT	SI4435BDY-T1	3
9007261-0038	CONN, MCX RCPT STR SMT	IMS CONNECTOR SYSTEM	2017.01.2510.003	1
9007960-0011	CAP, CER X7R 1.0UF 10% 50V	KEMET ELECTRONICS CORPORATION	C1210C105K5RACTU	16
9300866-0001	MMIC, LNA, GAAS, .8-6GHZ 3V SOT363	HEWLETT PACKARD CO	MGA-85563-TR1	1
9301432-0002	TRANSISTOR, DUAL N-CH MOSFET W/SCHOTTKY D	VISHAY SILICONIX / TEMIC SEMICONDUCT	SI4816DY	2
9200376-0001	IC, OPTO-COUPLER SMT	NEC Electronics America, Inc	PS2701-1	2
9009023-0005	DIODE, SCHOTTKY BARR, 7.0A/35V	INTERNATIONAL RECTIFIER	MBRB735	2
9012124-0001	IC, REG, LDO, LOW NOISE, 3.0V 150MA	MAXIM INTEGRATED PRODUCTS	MAX8878EUK30-T	7
9300984-0014	INDUCTOR, CHOKE SHLD 2.2UH 1.32A	SUMIDA AMERICA SALES	CDRH4D18-2R2	2
3003940-0001	Locknut	RAPID CONN		2
9008119-0110	CAP, RF C0G 0603 1.0PF 0.1PF 100V	AVX CORPORATION	06031J1R0BAWTR	3
3003533-0001	Connector, Ethernet	RAPID CONN		2
9301043-0003	IC, OP AMP	NATIONAL SEMICONDUCTOR	LMV821M7X	3
9301017-0001	CAP, SUPER	MEE MITSUI ELECTRONICS EUROPE	PAS621R-S-VA5R	1
9301043-0004	IC, QUAD OP AMP RAIL TO RAIL OUTPUT	NATIONAL SEMICONDUCTOR	LMV824MTX	2
9011624-0001	IC, SWITCH GAAS MMIC, SPDT, DC-3GHZ	HITTITE MICROWAVE CORPORATION	HMC221	1
9008119-0019	CAP, RF C0G 0603 5.6PF 0.1PF	AVX CORPORATION	06035J5R6BAWTR	2
9301453-0020	CAP, POLYMER 100UF 8V .012 OHM	PANASONIC	EEFUE0K101R	1
3003956-0001	TRANSFORMER, ISDN POWER	MIDCOM		1
9011642-0001	Solder Paste, No-clean	INDIUM CORPORATION OF AMERICA	NC-SMQ92J	11
3003928-0001	Cover, Connector	CAL-MOLD		1
3003553-0001	Washer, Cone			2
9300604-0001	IC, CMOS OP AMP RAIL-TO-RAIL SM	NATIONAL SEMICONDUCTOR	LMC7111BIM5X	3
3003563-0001	Screw, D25X12, Plastisol			24
9008119-0022	CAP, RF C0G 0603 10PF 1%	AVX CORPORATION	06035J100FAWTR	2
9012192-0001	TERMINATION THK FILM, 50 OHM 8W 4GHZ	ANAREN	RFP-060120A15Z50	1
9301463-0001	TRANSISTOR, P-CHANNEL MOSFET SM	TEMIC/SILICONIX	SI5445DC	2
9300292-0124	CAP, X7R 10% .1UF 16V	AVX CORPORATION	0603YC104KAT2A	237
3003930-0001	Seal, Connector	S/G INDUSTRIES		1
9008119-0011	CAP, RF C0G 0603 1.2PF 0.1PF	AVX CORPORATION	06035J1R2BAWTR	2
3003529-0001	PWB, BGAN WLAN Antenna	MULTEK		1
3003924-0001	Retainer, Keypad	RAPID CONN		1
9007849-0001	DIODE, SCHOTTKY RECT 3A 40V SMT	ON SEMICONDUCTOR	MBRS340T3	4
9300388-0021	CAP, CER NPO 5% 22PF 50V 0402	MURATA ELECTRONICS	GRM36C0G220J050AQ	178
9000310-0165	DIODE, TUNING, HYPERABRUPT	INFINEON TECHNOLOGIES CORPORATION	BBY58-02W	2
9011428-0001	TRANSISTOR, DUAL N CHANNEL MOSFET 20V	VISHAY SILICONIX / TEMIC SEMICONDUCT	SI7904DN	1
3003937-0001	Bumper, Front	CAL-MOLD		1
3003936-0001	Bumper, Right	CAL-MOLD		1
9011809-0001	SWITCH, R/A DPST 6MM 12VDC 50MA GRAY	ALPS ELECTRIC (U.S.A.), INC.	SKHHLNA010	2
9010505-0005	BEAD, FERRITE 1GHZ 1K 100MA	MURATA ELECTRONICS	BLM11HA102SG	25
9005935-0070	CAP, TANT CHIP 4.7UF 20% 10V	AVX CORPORATION	TAJA475M010S	10

3003525-0001	PWB, WLAN DAUGHTER CARD	MULTEK		1
9300369-0326	RESISTOR,0603 1/16W 1% 22.1K	KOA SPEER, INC	RK73H1JT2212F	39
3003935-0001	Bumper,Left	CAL-MOLD		1
9010204-0002	RESISTOR 1W 1% 0.051 OHMS	INT'L RESISTIVE CO	LR2010-01-R051-F	2
3003532-0001	Connector, USB	RAPID CONN		1
9008119-0023	CAP,RF C0G 0603 12PF 1%	AVX CORPORATION	06035J120FAWTR	1
9300104-0012	CAP,CER 1.0UF 10% 10V X7R	AVX CORPORATION	0805ZC105KAT2A	32
3003934-0001	Bumper,Rear	CAL-MOLD		1
9300588-0002	MMIC,WIDEBAND AMP 1.5GHZ 3V SM	NEC CORPORATION TOKYO	UPC2746TB-E3	1
9011416-0001	IC,TEMP SENS,-55/+125 LP ANALOG	MAXIM INTEGRATED PRODUCTS	MAX6605MXK-T	1
9007389-0001	SWITCH,PB SPST NO JLEAD SMT	BOURNS, INC	7914J-1-000E	1
9011779-0001	INDUCTOR,0603 12UH 10% 5MA	TAIYO YUDEN	LK1608120K-T	4
9300998-0001	CONN,COAXIAL MINIATURE LOW PROFILE SMT	HIROSE ELECTRIC	U.FL-R-SMT	1
9300998-0001	CONN,COAXIAL MINIATURE LOW PROFILE SMT	HIROSE ELECTRIC	U.FL-R-SMT	1
9300527-0029	INDUCTOR,0603 5% 6.8NH	KOA SPEER, INC	KQ0603TE6N8J	6
3003923-0001	Keypad	S/G INDUSTRIES		1
9300291-0071	CAP,CER C0G 1% 22PF 50V 0603	MURATA ELECTRONICS	GRM39C0G220F050AJ	7
9011837-0001	HOLDER,SIM CARD	MOLEX INCORPORATED	91236-0001	1
9011837-0001	HOLDER,SIM CARD	MOLEX INCORPORATED	91236-0001	1
9007960-0008	CAP,CER X7R 10UF 20% 10V	TAIYO YUDEN	LMK325BJ106MN	3
3003568-0001	Spring Coil, Battery	MUSTANG		1
9009860-0012	CAP,RF C0G 1.0PF 0.1PF 50V	AVX CORPORATION	06035J1R0BBTTR	1
9006144-0015	XTAL,20.000 MHZ 50PPM 20PF IND	SIWARD INTERNATIONAL, INC	XTL111050D-20-20-TR	1
9009091-0020	CRYSTAL,HC49,3.6864MHZ 20PF IND TEMP	SIWARD INTERNATIONAL, INC	XTL131050D-32.7684-20	1
9003591-0052	BUMPER BLK .50 SQ X .23 H	3M PRODUCTS.	SJ-5018 BLACK	4
3003992-0001	Retainer Seal, Factory Port	RAPID CONN		1
3003931-0001	Door,Battery	RAPID CONN		1
3003991-0001	Seal, Factory Port	RAPID CONN		1
9300527-0025	INDUCTOR,0603 5% 120NH	COILCRAFT, INC.	0603CS-R12XJBC	4
9300976-0001	CAP,CER Y5V .1UF +80/-20% 16V 0402	MURATA ELECTRONICS	GRM36Y5V104Z016AQ	37
9009860-0010	CAP,RF C0G 0.8PF 0.1PF 50V	AVX CORPORATION	06035J0R8BBTTR	1
9300478-0012	XTAL,WATCH 32.768KHZ 12.5PF 50PPM	SIWARD INTERNATIONAL, INC	XTL991050D-32.768-12.5	1
9011932-0003	INDUCTOR,CHIP 10NH 10% 0402	TOKO AMERICA, INCORPORATED	LL1005-FH10NK	2
9301422-0003	COMPASS,20MM,ALUMINUM DISK	HOPE CO., LTD	LDC20-M	1
9301458-0001	Filter,bandpass 2450 mhz	MURATA ELECTRONICS	LFSN25N19C2450B	1
3003534-0001	Washer, Eyelet	MARK EYELET		14
3003561-0001	Adhesive, Compass	BOYD		1
9300744-0010	CAP,CER X7R 10% .01UF 16V 0402	MURATA ELECTRONICS	GRM36X7R103K016AQ	58
9300418-0002	TRANSISTOR,NPN 5GHZ SMT	PHILIPS SEMICONDUCTORS	BFS25A	1
9005935-0054	CAP,TANT CHIP 10UF 20% 10V	KEMET ELECTRONICS CORPORATION	T491A106M010AS	4
9000072-0002	TRANSISTOR,NPN	MOTOROLA	MMBT2222A	18
9300821-0263	RESISTOR,0402 1% 4.75K	KOA SPEER, INC	RK73H1ET4751F	79
9300744-0023	CAP,CER X7R 10% 1000PF 50V0402	MURATA ELECTRONICS	GRM36X7R102K050AQ	48
9012124-0002	IC,REG,LDO,LOW NOISE,3.6V 150MA	MAXIM INTEGRATED PRODUCTS	MAX8878EUK36-T	1
9300178-0005	TRANSISTOR,DIGITAL NPN SOT323	PHILIPS SEMICONDUCTORS	PDTC114YU T/R	6
9300487-0032	INDUCTOR,CHIP 5% 56NH 0603	TOKO AMERICA, INCORPORATED	LL1608-F56NJ	3
9006872-0018	CAP,CER X7R 1000PF 10% 2KV	AMERICAN TECHNICAL CERAMICS	1206X7R102KL8AT	1
9300527-0011	INDUCTOR,0603 5% 12NH	COILCRAFT, INC.	0603CS-12NXJBC	1
9300326-0038	RES,0402 5% 33	ROHM ELECTRONICS	MCR01MZSJ330	129
9300487-0029	INDUCTOR,CHIP 5% 8.2NH 0603	TOKO AMERICA, INCORPORATED	LL1608-F8N2J	1
9011392-0001	TRANSISTOR,FAST MOSFET N-CHAN 60V	VISHAY SILICONIX / TEMIC SEMICONDUCT	SI4850EY	3
9011100-0002	IC SINGLE BUFFER 3ST	TEXAS INSTRUMENTS INC.	SN74AHCT1G125DBVR	2
9300527-0031	INDUCTOR,0603 5% 8.2NH	COILCRAFT, INC.	0603HS-8.2TJBC	2
9006244-0032	INDUCTOR,CHIP 100NH 10%	COILCRAFT, INC.	1008CS-101XK2	2
9010481-0002	DIODE,SCHOTTKY 30V 100MA	STMICROELECTRONICS, INC.	BAR43FILM	5
9301142-0003	TRANSISTOR,RF NPN LOW NOISE	PHILIPS SEMICONDUCTORS	PRF947 T/R	2
9006246-0005	DIODE,SCHOTTKY BARRIER SOT23	MOTOROLA	MMBD701LT1	3
9300487-0011	INDUCTOR,CHIP 10% 4.7NH 0603	TOKO AMERICA, INCORPORATED	LL1608-F4N7K	1
9011932-0002	INDUCTOR,CHIP 8.2NH 10% 0402	TOKO AMERICA, INCORPORATED	LL1005-FH8N2K	1
9300415-0001	IC,INVERTER SINGLE GATE SMT	TOSHIBA AMERICA	TC7S04FTE85L	2
9301494-0001	IC,SINGLE GATE INVERTER SMT	TOSHIBA AMERICA	TC7SH04F	2
9300821-0294	RESISTOR,0402 1% 10K	KOA SPEER, INC	RK73H1ET1002F	54
9300388-0029	CAP,CER NPO 5% 100PF 50V 0402	MURATA ELECTRONICS	GRM36C0G101J050AQ	35
9011506-0001	CONNECTOR, JK PC DC-PWR	LIH SHEN PRECISION	LD-0202L-2.5	1
9200102-0052	CONN,HEADER 1 ROW 2POS BD-SP SMT	SAMTEC, INCORPORATED	HW-02-08-G-S-250-SM	1
3003429-0001	Label,EET			1
9005935-0131	CAP,TANT CHIP 10UF 10% 10V	KEMET ELECTRONICS CORPORATION	T491A106K010AS	3
9300487-0012	INDUCTOR,CHIP 10% 5.6NH 0603	TOKO AMERICA, INCORPORATED	LL1608-F5N6K	2
9300527-0090	INDUCTOR,0603 2% 68NH	COILCRAFT, INC.	0603CS-68NXGBC	1
9006495-0015	FILTER,FERRITE CHIP 3A 1206	MURATA ELECTRONICS	BLM31P500SPT	6
9300110-0364	RESISTOR,0805 1/10W 1% 59.0K	KOA SPEER, INC	RK73H2ATE5902F	2
1032047-0007	SCREW, PAN HEADTORX PLUS M2.5-0.45 X 6			2
9006495-0050	FILTER,FERRITE CHIP 600-OHM .3A 0402	MURATA ELECTRONICS	BLM15AG601SN1D	3
9005700-0162	CAP,CER C0G 50V 1800PF 5%	MURATA ELECTRONICS	GRM40C0G182J050A	5

9006244-0135	INDUCTOR,CHIP 10NH 2%	COILCRAFT, INC.	1008CS-100XGBC	1
9005935-0067	CAP,TANT CHIP 1.0UF 10% 35V	NEMCO	PCT1/35AK	2
9005935-0067	CAP,TANT CHIP 1.0UF 10% 35V	NEMCO	PCT1/35AK	2
9301168-0023	RESISTOR,CHIP 0402 51 OHM 1% "FOR THURAY	KOA SPEER, INC	RK73H1ET51R0F	30
9300103-0001	RESISTOR,0805 1/10W 5% 10	KOA SPEER, INC	RM73B2A100J	6
9300326-0200	RESISTOR,0402 5% 0 OHM JUMPER	ROHM ELECTRONICS	MCR01MZSJ000	70
9002487-0137	DIODE,SWITCHING 200MA	MOTOROLA	MMBD914X	8
9300900-0002	TRANS,DIGITAL NPN/PNP ARRAY SMT	SIEMENS CORP	BCR22PN	2
9006244-0016	INDUCTOR,CHIP 120NH 10%	COILCRAFT, INC.	1008CS-121XK2	1
9006244-0051	INDUCTOR,CHIP 5% 220NH	COILCRAFT, INC.	1008CS-221XJ2A	1
9300388-0018	CAP,CER NPO 5% 12PF 50V 0402	MURATA ELECTRONICS	GRM36C0G120J050AQ	22
9300527-0014	INDUCTOR,0603 5% 22NH	COILCRAFT, INC.	0603CS-22NXJBC	1
9300527-0016	INDUCTOR,0603 5% 33NH	COILCRAFT, INC.	0603CS-33NXJBC	1
9012293-0001	GREASE,THERMAL CONDUCTIVE	CHOMERICS	T650	0
9012162-0001	DIODE,DOUBLE,HI SPEED,SWITCHING	PHILIPS SEMICONDUCTORS	BAS28	2
9300292-0000	CAP,X7R TBD 0603			1
9007743-0025	LABEL,BLANK 1.50X.25" WHITE POLYIMIDE	BRADY W H CO	THT-45-457-10	1
9300291-0090	CAP,CER C0G 5% 1000PF 50V 0603	AVX CORPORATION	06035A102JAT4	6
9300388-0022	CAP,CER NPO 5% 27PF 50V 0402	MURATA ELECTRONICS	GRM36C0G270J050AQ	20
9300330-0003	INDUCTOR,CHIP 5% 68NH	TOKO AMERICA, INCORPORATED	LL2012-FH68NJ	1
9300326-0050	RES,0402 5% 100	ROHM ELECTRONICS	MCR01MZSJ101	45
9300326-0026	RES,0402 5% 10	ROHM ELECTRONICS	MCR01MZSJ100	39
9300821-0198	RESISTOR,0402 1% 1.0K	KOA SPEER, INC	RK73H1ET1001F	24
9300487-0077	INDUCTOR,CHIP 5% 18NH 0603	TOKO AMERICA, INCORPORATED	LL1608-FH18NJ	1
9300326-0200	RESISTOR,0402 5% 0 OHM JUMPER	ROHM ELECTRONICS	MCR01MZSJ000	44
9300388-0025	CAP,CER NPO 5% 47PF 50V 0402	MURATA ELECTRONICS	GRM36C0G470J050AQ	14
9300104-0012	CAP,CER 1.0UF 10% 10V X7R	AVX CORPORATION	0805ZC105KAT2A	3
9006495-0039	FILTER,FERRITE CHIP .1A 0603	MURATA ELECTRONICS	BLM18HG102SN1J	2
9300821-0390	RESISTOR,0402 1% 100K	KOA SPEER, INC	RK73H1ET1003F	19
9009832-0004	TRANSISTOR,PNP 45V SOT-323	INFINEON TECHNOLOGIES CORPORATION	BC807-40WT1	2
9300900-0003	TRANS,DIGITAL NPN/PNP ARRAY SMT	SIEMENS CORP	BCR48PN	1
9011932-0005	INDUCTOR,CHIP 22NH 10% 0402	TOKO AMERICA, INCORPORATED	LL1005-FH22NK	1
9300388-0039	CAP,CER C0G 220PF 5% 50V	EPCOS	B37920-K5221-J60	8
9300104-9752	CAP,CER .1UF 10% X7R 50V	KEMET ELECTRONICS CORPORATION	C0805C104K5RAC	8
9300388-0017	CAP,CER NPO 5% 10PF 50V 0402	MURATA ELECTRONICS	GRM36C0G100J050AQ	11
9300388-0016	CAP,NPO +/-25PF 8.2PF 50V 0402	MURATA ELECTRONICS	GRM36C0G8R2C050AQ	8
9300103-0000	RESISTOR,0805 1/10W 5% ZERO	ROHM ELECTRONICS	MCR10EZHW000	27
9300292-0067	CAP,X7R 10% .01UF 50V 0603	MURATA ELECTRONICS	GRM39X7R103K050AJ	12
9000077-0002	TRANSISTOR,PNP	MOTOROLA	MMBT2907ALT1	3
9004011-0003	DIODE,DUAL SWITCHING SOT23	PHILIPS SEMICONDUCTORS	BAV70	2
9300388-0015	CAP,NPO +/-25PF 6.8PF 50V 0402	MURATA ELECTRONICS	GRM36C0G6R8C050AQ	2
9300105-9735	CAP,CER NPO 15PF 5% 50V	KEMET ELECTRONICS CORPORATION	C0805C150J5GAC	1
9300293-0066	RESISTOR,0603 1/16W 5% 510	ROHM ELECTRONICS	MCR03EZHW511	2
9300369-0330	RESISTOR,0603 1/16W 1% 24.3K	KOA SPEER, INC	RK73H1JT2432F	1
9300388-0009	CAP,NPO +/-25PF 2.2PF 50V 0402	MURATA ELECTRONICS	GRM36C0G2R2C050AQ	3
9006134-0025	DIODE,ZENER 33V 5% SOT-23	General Semiconductor	BZX84-C33	1
9300292-0116	CAP,X7R 10% .033UF 16V 0603	MURATA ELECTRONICS	GRM39X7R333K016AJ	6
9300105-0032	CAP,CER NPO 20PF 5% 50V	MURATA ELECTRONICS	GRM40C0G200J050BK	2
9300369-0363	RESISTOR,0603 1/16W 1% 53.6K	ROHM ELECTRONICS	MCR03EZHF5362	11
9300369-0408	RESISTOR,0603 1/16W 1% 158K	ROHM ELECTRONICS	MCR03EZHF1583	10
9300292-0055	CAP,X7R 10% 1000PF 50V	MURATA ELECTRONICS	GRM39X7R102K050AJ	8
9300388-0034	CAP,CER C0G 1.0PF +/-1PF 50V	MURATA ELECTRONICS	GRM36C0G010B050AQ	4
9300326-0057	RES,0402 5% 200	ROHM ELECTRONICS	MCR01MZSJ201	13
9300369-0380	RESISTOR,0603 1/16W 1% 80.6K	KOA SPEER, INC	RK73H1JT8062F	11
9300388-0026	CAP,CER NPO 5% 56PF 50V 0402	MURATA ELECTRONICS	GRM36C0G560J050AQ	4
9300369-0211	RESISTOR,0603 1/16W 1% 1.40K	KOA SPEER, INC	RK73H1JT1401F	4
9300388-0020	CAP,CER NPO 5% 18PF 50V 0402	MURATA ELECTRONICS	GRM36C0G180J050AQ	5
9300744-0027	CAP,CER X7R 10% 2200PF 50V0402	MURATA ELECTRONICS	GRM36X7R222K050AQ	5
9300821-0344	RESISTOR,0402 1% 33.2K	KOA SPEER, INC	RK73H1ET3322F	7
9300369-0454	RESISTOR,0603 1/16W 1% 475K	KOA SPEER, INC	RK73H1JT4753F	10
9300326-0082	RES,0402 5% 2.2K	ROHM ELECTRONICS	MCR01MZSJ222	11
9300292-0062	CAP,X7R 10% 3900PF 50V 0603	MURATA ELECTRONICS	GRM39X7R392K050AJ	1
9300369-0443	RESISTOR,0603 1/16W 1% 365K	ROHM ELECTRONICS	MCR03EZHF3653	1
9300369-0333	RESISTOR,0603 1/16W 1% 26.1K	KOA SPEER, INC	RK73H1JT2612F	1
9300369-0101	RESISTOR,0603 1/16W 1% 100	KOA SPEER, INC	RK73H1JT1000F	9
9300388-0045	CAP,CER C0G 13PF 1% 50V	MURATA ELECTRONICS	GRM36C0G130F050AQ	1
9300326-0108	RES,0402 5% 27K	ROHM ELECTRONICS	MCR01MZSJ273	3
9300103-7802	RESISTOR,0805 1/10W 5% 200	ROHM ELECTRONICS	MCR10EZHW201	9
9300326-0054	RES,0402 5% 150	ROHM ELECTRONICS	MCR01MZSJ151	9
9006507-0165	RES,CHIP 1/4W 1% 51.1	KOA SPEER, INC	RK73H2E51R1F	1
9300388-0042	CAP,CER C0G 1.5PF +/-1PF 50V	MURATA ELECTRONICS	GRM36C0G1R5B050AQ	2
9300369-0251	RESISTOR,0603 1/16W 1% 3.65K	ROHM ELECTRONICS	MCR03EZHF3651	6
9300369-0214	RESISTOR,0603 1/16W 1% 1.50K	KOA SPEER, INC	RK73H1JT1501F	7
9300293-0113	RESISTOR,0603 1/16W 5% 47K	ROHM ELECTRONICS	MCR03EZHW473	11

9300388-0014	CAP,NPO +/-25PF 5.6PF 50V 0402	MURATA ELECTRONICS	GRM36C0G5R6C050AQ	3
9300388-0019	CAP,CER NPO 5% 15PF 50V 0402	MURATA ELECTRONICS	GRM36C0G150J050AQ	3
9300110-0309	RESISTOR,0805 1/10W 1% 15.8K	KOA SPEER, INC	RK73H2ATE1582F	5
9300326-0058	RES,0402 5% 220	ROHM ELECTRONICS	MCR01MZSJ221	7
9300326-0061	RES,0402 5% 300	ROHM ELECTRONICS	MCR01MZSJ301	7
9300326-0074	RES,0402 5% 1.0K	ROHM ELECTRONICS	MCR01MZSJ102	7
1014930-0001	LABEL,BAR CODE			1
1014930-0001	LABEL,BAR CODE			1
9300821-0282	RESISTOR,0402 1% 7.5K	KOA SPEER, INC	RK73H1ET7501F	4
9300821-0286	RESISTOR,0402 1% 8.25K	KOA SPEER, INC	RK73H1ET8251F	4
9300821-0263	RESISTOR,0402 1% 4.75K	KOA SPEER, INC	RK73H1ET4751F	4
9300388-0011	CAP,NPO +/-25PF 3.3PF 50V 0402	MURATA ELECTRONICS	GRM36C0G3R3C050AQ	2
9300326-0105	RES,0402 5% 20K	ROHM ELECTRONICS	MCR01MZSJ203	6
9300326-0098	RES,0402 5% 10K	ROHM ELECTRONICS	MCR01MZSJ103	6
9300369-0222	RESISTOR,0603 1/16W 1% 1.82K	KOA SPEER, INC	RK73H1JT1821F	4
9300369-0000	RESISTOR,0603 TBD OHM 1%			1
9300326-0076	RES,0402 5% 1.2K	ROHM ELECTRONICS	MCR01MZSJ122	5
9300388-0012	CAP,NPO +/-25PF 3.9PF 50V 0402	MURATA ELECTRONICS	GRM36C0G3R9C050AQ	2
9300388-0007	CAP,NPO +/-25PF 1.5PF 50V 0402	MURATA ELECTRONICS	GRM36C0G1R5C050AQ	1
9300388-0035	CAP,CER C0G 1.2PF +/-1PF 50V	MURATA ELECTRONICS	GRM36C0G1R2B050AQ	2
9300369-0298	RESISTOR,0603 1/16W 1% 11.3K	KOA SPEER, INC	RK73H1JT1132F	4
9300369-0051	RESISTOR,0603 1/16W 1% 30.1	KOA SPEER, INC	RK73H1JT30R1F	4
9300110-0059	RESISTOR,0805 1/10W 1% 39.2	KOA SPEER, INC	RK73H2ATE39R2F	3
9300744-0024	CAP,CER X7R 10% 1200PF 50V0402	MURATA ELECTRONICS	GRM36X7R122K050AQ	1
9300110-0573	RESISTOR,0805 1/10W 1% 5.62	KOA SPEER, INC	RK73H2ATE5R62F	2
9300292-0063	CAP,X7R 10% 4700PF 50V 0603	MURATA ELECTRONICS	GRM39X7R472K050AJ	2
9300292-0051	CAP,X7R 10% 470PF 50V	MURATA ELECTRONICS	GRM39X7R471K050AJ	2
9300326-0024	RES,0402 5% 8.2	ROHM ELECTRONICS	MCR01MZSJ8R2	4
9300326-0032	RES,0402 5% 18	ROHM ELECTRONICS	MCR01MZSJ180	4
9300326-0066	RES,0402 5% 470	ROHM ELECTRONICS	MCR01MZSJ471	4
9300291-0035	CAP,CER C0G 5% 330PF 50V 0603	MURATA ELECTRONICS	GRM39C0G331J050AJ	1
9300821-0362	RESISTOR,0402 1% 51.1K	KOA SPEER, INC	RK73H1ET5112F	2
9300369-0277	RESISTOR,0603 1/16W 1% 6.81K	KOA SPEER, INC	RK73H1JT6811F	3
9300110-0076	RESISTOR,0805 1/10W 1% 59.0	KOA SPEER, INC	RK73H2ATE59R0F	2
9006507-0117	RES,CHIP 1/4W 1% 16.2	KOA SPEER, INC	RK73H2E16R2F	1
9300388-0016	CAP,NPO +/-25PF 8.2PF 50V 0402	MURATA ELECTRONICS	GRM36C0G8R2C050AQ	1
9005390-0259	RESISTOR,CHIP 1206 ZERO OHM	DALE ELECTRONICS	CRCW1206-JUMPER	2
9300326-0028	RES,0402 5% 12	ROHM ELECTRONICS	MCR01MZSJ120	3
9300326-0047	RES,0402 5% 75	ROHM ELECTRONICS	MCR01MZSJ750	3
9300326-0060	RES,0402 5% 270	ROHM ELECTRONICS	MCR01MZSJ271	3
9300326-0076	RES,0402 5% 1.2K	ROHM ELECTRONICS	MCR01MZSJ122	3
9300326-0088	RES,0402 5% 3.9K	ROHM ELECTRONICS	MCR01MZSJ392	3
9300388-0021	CAP,CER NPO 5% 22PF 50V 0402	MURATA ELECTRONICS	GRM36C0G220J050AQ	1
9300103-0000	RESISTOR,0805 1/10W 5% ZERO	ROHM ELECTRONICS	MCR10EZHJW000	3
9300291-0003	CAP,CER C0G +/-25PF 0.5PF 50V 0603	KEMET ELECTRONICS CORPORATION	C0603C508C5GAC	1
9300369-0278	RESISTOR,0603 1/16W 1% 6.98K	KOA SPEER, INC	RK73H1JT6981F	2
9300369-0019	RESISTOR,0603 1/16W 1% 14.0	KOA SPEER, INC	RK73H1JT14R0F	2
9300103-7804	RESISTOR,0805 1/10W 5% 240	ROHM ELECTRONICS	MCR10EZHJW241	2
9300326-0033	RES,0402 5% 20	ROHM ELECTRONICS	MCR01MZSJ200	2
9300326-0044	RES,0402 5% 56	ROHM ELECTRONICS	MCR01MZSJ560	2
9300326-0046	RES,0402 5% 68	ROHM ELECTRONICS	MCR01MZSJ680	2
9300326-0056	RES,0402 5% 180	ROHM ELECTRONICS	MCR01MZSJ181	2
9300369-0399	RESISTOR,0603 1/16W 1% 127K	KOA SPEER, INC	RK73H1JT1273F	1
9300821-0152	RESISTOR,0402 1% 332	KOA SPEER, INC	RK73H1ET3320F	1
9300369-0332	RESISTOR,0603 1/16W 1% 25.5K	KOA SPEER, INC	RK73H1JT2552F	1
9300369-0299	RESISTOR,0603 1/16W 1% 11.5K	KOA SPEER, INC	RK73H1JT1152F	1
9300369-0303	RESISTOR,0603 1/16W 1% 12.7K	KOA SPEER, INC	RK73H1JT1272F	1
9300369-0322	RESISTOR,0603 1/16W 1% 20.0K	KOA SPEER, INC	RK73H1JT2002F	1
9300369-0199	RESISTOR,0603 1/16W 1% 1.05K	KOA SPEER, INC	RK73H1JT1051F	1
9300369-0288	RESISTOR,0603 1/16W 1% 8.87K	KOA SPEER, INC	RK73H1JT8871F	1
9300326-0034	RES,0402 5% 22	ROHM ELECTRONICS	MCR01MZSJ220	1
9300326-0042	RES,0402 5% 47	ROHM ELECTRONICS	MCR01MZSJ470	1
9300326-0064	RES,0402 5% 390	ROHM ELECTRONICS	MCR01MZSJ391	1
9300326-0070	RES,0402 5% 680	ROHM ELECTRONICS	MCR01MZSJ681	1
9300326-0043	RES,0402 5% 51	ROHM ELECTRONICS	MCR01MZSJ510	1
9300326-0048	RES,0402 5% 82	ROHM ELECTRONICS	MCR01MZSJ820	1
9300326-0082	RES,0402 5% 2.2K	ROHM ELECTRONICS	MCR01MZSJ222	1
9300326-0122	RES,0402 5% 100K	ROHM ELECTRONICS	MCR01MZSJ104	1
9300326-0092	RES,0402 5% 5.6K	ROHM ELECTRONICS	MCR01MZSJ562	1
9300293-0009	RESISTOR,0603 1/16W 5% 2.2	ROHM ELECTRONICS	MCR03EZHJ2R2	1
9300293-0118	RESISTOR,0603 1/16W 5% 75K	ROHM ELECTRONICS	MCR03EZHJW753	1
9300293-0000	RESISTOR,0603 1/16W 5% 0 OHM	ROHM ELECTRONICS	MCR03EZHJ0R0	1
9008276-0015	RIBBON,BLACK RESIN 1.57"X450M	International Imaging Materials, In	FRD04033	0
3003920-0001	BGAN Assy, Class 1 UT			1

3003918-0002	CCA, BGAN Class 1 UT (Eng)	1
3003526-0001	CCA, BGAN WLAN DAUGHTER CARD	1
3003740-0002	PID, BGAN Flash U62	1
3003741-0002	PID, BGAN Flash U63	1
3003742-0001	PID, BGAN PIC U29	1

TUNE-UP

The transmitter power for each EUT is calibrated (tuned-up) during manufacture at Hughes Network Systems' factory. This calibration process manually varies the transmitter's output power by varying the transmitter's gain. Then at each power level, the detected voltage from the power detector is measured. This data (transmitter gain, output power and power detector voltage) is then stored in the EUT's non-volatile memory. During operation, the power detector monitors the EUT transmit power, and the operational software varies the gain in the transmitter to maintain the correct output power. This ensures the EUT transmit power remains at the required level, as the ambient temperature changes, the EUT battery voltage varies, and the EUT is instructed to operate at different transmit frequencies.