

Item #	Qty	Part Number
1	1	ADC117
2	1	AIC8030
3	1	AMP1015
4	1	AMP2131
5	1	AMP2710M
6	1	AMP2714M
7	1	AMP8119
8	12	CAP101J1C
9	23	CAP102K1X
10	18	CAP103K1X
11	2	CAP103Z1Y
12	57	CAP104Z1Y
13	1	CAP105K3X
14	7	CAP105Z2Y
15	1	CAP120J1C
16	1	CAP152J1X
17	1	CAP153Z1Y
18	6	CAP156K7T
19	1	CAP180J1C
20	3	CAP182K1X
21	2	CAP1R0C1C
22	1	CAP1R5C1C
23	3	CAP202K1X
24	2	CAP220J1C
25	3	CAP221J1C
26	3	CAP222K1X
27	1	CAP223Z1Y
28	1	CAP224Z2Y
29	2	CAP270J1C
30	4	CAP271J1C
31	1	CAP271K1X
32	3	CAP330J1C
33	3	CAP331K1X
34	2	CAP336K6T
35	1	CAP3R0C1C
36	3	CAP3R3C1C
37	3	CAP3R9C1C
38	2	CAP471K1X
39	2	CAP4R7C1C
40	1	CAP560J1C
41	1	CAP561J1X
42	2	CAP5R1J1C
43	2	CAP680J1C
44	4	CAP681K1X
45	1	CAP683Z1Y
46	3	CAP686MBT

Item #	Qty	Part Number
47	1	CAP6R8C1C
48	4	CAP6R8D1C
49	1	CAP750J1C
50	1	CAP821J1C
51	1	CAP822J1X
52	1	CON0068S
53	1	CONNANO
54	1	CONV887
55	1	DAC549
56	1	DAC7302
57	1	DIO285C
58	1	DIO56
59	1	DIR14SM
60	2	DRAM16V254
61	2	FIL836S0001
62	1	FIL881S0003
63	1	FILDUPLSAW
64	1	FPG4020X
65	1	HSNTYPEII
66	1	IND101K2M
67	1	IND10NJ1M
68	3	IND10NJ2A
69	1	IND10NK1M
70	1	IND10ZZ
71	4	IND12NJ1M
72	1	IND151K3M
73	1	IND157J4W
74	1	IND15NJ1M
75	1	IND181K3M
76	2	IND18NJ1M
77	3	IND18NK1M
78	1	IND1R2J3W
79	1	IND1R8K3W
80	1	IND221K3A
81	1	IND221K3M
82	1	IND271K3M
83	1	IND39NJ2M
84	1	IND3N9K2A
85	2	IND68NJ3W
86	2	IND82NK2M
87	4	INDR47K3M
88	1	IOCONN
89	2	IQDM2450
90	1	LGC0004F
91	1	LGC0004S
92	1	LGC0008DA
93	1	LGC0393
94	1	LMT0617
95	1	MEM25160
96	1	MEM49040
97	1	MFT6302

Item #	Qty	Part Number
98	1	MIX8106
99	3	OPA2TLV2262A
100	1	OPA4TLC2274
101	1	OPATLV2221Y
102	1	PCBMITE
103	1	PRO7708
104	1	RECT5817
105	1	RES000J10
106	4	RES1002F1
107	6	RES102J10
108	7	RES103J10
109	2	RES104J10
110	2	RES1052F1
111	2	RES112J10
112	1	RES120J10
113	2	RES133J10
114	1	RES152J10
115	2	RES153J10
116	1	RES1653F1
117	2	RES1782F1
118	1	RES182J10
119	1	RES183J10
120	4	RES203J10
121	3	RES204J10
122	1	RES220J10
123	2	RES221J10
124	1	RES271J10
125	1	RES300J10
126	2	RES3012F1
127	1	RES303J10
128	1	RES331J10
129	1	RES332J10
130	1	RES333J10
131	1	RES334J10
132	1	RES391J10
133	1	RES392J10
134	1	RES434J10
135	1	RES472J10
136	3	RES473J10
137	4	RES510J10
138	1	RES513J10
139	1	RES562J10
140	2	RES620J10
141	1	RES683J10
142	1	RES750J10
143	1	RES752J10
144	1	RES753J10
145	2	RES821J10
146	1	RES822J10
147	7	RES9092F1
148	4	RES913J10

Item #	Qty	Part Number
149	1	RESETSWITCH
150	1	RESR010F5
151	2	RPK102J12
152	12	RPK103J12
153	1	RPK112J12
154	2	RPK132J12
155	1	RPK153J12
156	1	RPK182J12
157	2	RPK203J12
158	2	RPK272J12
159	1	RPK303J12
160	1	RPK331J12
161	6	RPK473J12
162	3	SW4544
163	1	SYN15A16
164	1	SYN2337
165	1	TCXO15.36B
166	1	TPS60
167	1	VCO901926
168	1	VRC5103
169	2	VRCBB545
170	1	VRCBB640
171	3	VRG52052.8
172	1	VRG52073.8
173	5	XTR810T

Title
Analog/Digital Conv
Processor, AMPS
LNA,Mixer,VCO,3.5 to 5.5V, 20 pin SSOP, -40 to +85
Power Amp,1.2W,836Mhz
MMIC RF Amp
MMIC RF Amp
MMIC AGC, 3V, 1.9 Ghz
Capacitor,5%,0402,COG
Capacitor,10%,0402,X7R
Capacitor,10%,0402,X7R
Capacitor,+80/-20%,0402,Y5V
Capacitor,+80/-20%,0402,Y5V
Capacitor, 0805, 10%, X7R
Capacitor,+80/-20%,0603,Y5V
Capacitor,5%,0402,COG
Capacitor,5%,0402,X7R
Capacitor,+80/-20%,0402,Y5V
Capacitor,10%,1508,TANTALUM
Capacitor,5%,0402,COG
Capacitor,10%,0402,X7R
Capacitor,+/-0.25pF,0402,COG
Capacitor,+/-0.25pF,0402,COG
Capacitor,10%,0402,X7R
Capacitor,5%,0402,COG
Capacitor,5%,0402,COG
Capacitor,10%,0402,X7R
Capacitor,+80/-20%,0402,Y5V
Capacitor,+80/-20%,0603,Y5V
Capacitor,5%,0402,COG
Capacitor,5%,0402,COG
Capacitor,10%,0402,X7R
Capacitor,5%,0402,COG
Capacitor,10%,0402,X7R
Capacitor, 10%, 1210, 4V, Tantalum
Capacitor,+/-0.25pF,0402,COG
Capacitor,+/-0.25pF,0402,COG
Capacitor,+/-0.25pF,0402,COG
Capacitor,10%,0402,X7R
Capacitor,+/-0.25pF,0402,COG
Capacitor,5%,0402,COG
Capacitor,5%,0402,X7R
Capacitor,5%,0402,COG
Capacitor,5%,0402,COG
Capacitor,10%,0402,X7R
Capacitor,+80/-20%,0402,Y5V
Capacitor,20%,2824,TANTALUM

Title
Capacitor,+/-0.25pF,0402,COG
Capacitor,+/-0.5pF,0402,COG
Capacitor,5%,0402,COG
Capacitor,5%,0402,COG
Capacitor,5%,0402,X7R
Connector,68 Pin PCMCIA, Straddle Mount
Connector, NANO, Alt. Center Conductor and ORing
DC to DC BUCK Converter
DAC, 0C to 70C, Dual 8-Bit 2.5V to 5.5V
DAC
Diode, Zero Bias RF DETECTOR
Diode, Dual, Swiching, Com Anode, SOT-23
Directional Coupler 14dB
DRAM, 256 by 16, EDO, 60 ns, 60 ma
Saw Filter,836 Mhz
Saw Filter,881 Mhz, High Att
Duplexer, Saw, 836Mhz,881Mhz
FPGA, 144-pin TQFP, 3.3 volt, -3speed
TypeII PCMCIA Case w/15 pin I/O,left offset,insul
Inductor,10%,0603,Multilayer
Inductor,5%,0402,Multilayer
Inductor,5%,0603,Aircore
Inductor,10%,0402,Multilayer
Inductor,20%,10uH, 480MA
Inductor,5%,0402,Multilayer
Inductor,10%,0805,MULTILAYER
Inductor, 1008, 5%, Wirewound
Inductor,5%,0402,Multilayer
Inductor,10%,0805,Multilayer
Inductor,5%,0402,Multilayer
Inductor,10%,0402,Multilayer
Inductor,5%,0805,Wirewound
Inductor,10%,0805,Wirewound
Inductor,10%,0805,Aircore
Inductor,10%,0805,Multilayer
Inductor,10%,0805,Multilayer
Inductor, 0603, 5%, Multilayer
Inductor,10%,0603,Aircore
Inductor,5%,0805,Wirewound
Inductor,10%,0603,Multilayer
Inductor,10%,0805,Multilayer
I/O Connector
I&Q Demodulator, 20 Pin Tssop, 3V
Inverter, Triple
Inverter, CMOS Digital IC
AND GATE, DUAL
LMOS Logic
Limiter/discriminator
16K Serial/Flash Memory, byte writable
Flash Memory, 4 Mb, (512Kx8), VSOP, 150ns
Single, P-Chan. MOSFET

Title
MMIC 3V L-Band Up Converter
OP-AMP,TSSOP,Dual,Temp=Com, 3V, Rail to Rail
OP-AMP, TSSOP
OP-AMP, DBV, 3mV, Low Power Single Op-Amp
PCB, Spider Mite Fab Board
Processor, 32 bit Risc
Rectifier, Schottky, 1A Powermite
Resistor,5%,0402,Thick Film, 200ppm
Resistor,1%,0402
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,1%,0402
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0603,Thick Film,200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,1%,0402
Resistor,1%,0402
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,1%,0402
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,5%,0402,Thick Film, 200ppm
Resistor,1%,0402
Resistor,5%,0402,Thick Film, 200ppm

Title
Econo Reset Switch
Resistor,1%,1206, Power Metal Strip
Resistor Pack,5%,0402,2 position
Resistor Pack,5%,0402,2 position
Resistor Pack,5%,0402,2 position
Resistor Pack,5%,0402,2 position
Resistor Pack,5%,0402,2 position
Resistor Pack,5%,0402,2 position
Resistor Pack,5%,0402,2 position
Resistor Pack,5%,0402,2 position
Resistor Pack,5%,0402,2 position
Resistor Pack,5%,0402,2 position
Resistor Pack,5%,0402,2 position
Resistor Pack,5%,0402,2 position
Analog Switch
Synthesizer
Synthesizer
Oscilator TCXO 15.36000, Mhz.
Temp Sensor
Voltage Controlled Oscillator
Varactor
Varactor, Diode, SOD23
Varactor 20pF to 100pF SOD323
Voltage Regulator, LDO, Low Noise
Voltage Regulator, LDO, Low Noise, 3.8
Transistor,Dual, NPN, RF

Detail
MAX117CAI, 231-0117-05-001
TCM8030PN, 160-8030-05-001
TRF1015DB, 180-1015-05-001
RF2131, 180-2131-05-001
UPC2710T-E3, 180-2710-05-001
UPC2714T-E3, 180-2714-05-001, IET0009AC
UPC8119T-E3
100 pF, 580-0101-05-006
1000pf, 580-0102-05-012
.01uF, 580-0103-05-001
.01uf
0.1 uF, 580-0104-05-005
1.0 uf GRM40X7R105K050AD
1.0uF,10V
12pf. , 580-0120-05-006
1500pf. ,580-0152-05-005
.015uf,
15 uF, 570-0156-05-010, IET0032AC
18pf, 580-0180-05-005
1800pf, 580-0182-05-010
1 pf. , 580-0001-05-005
1.5pF,
2000pf, 580-020-05-010
22pf. ,580-0220-05-050
220 pF., 580-0221-05-006
2200 pF., 580-0222-05-010
.022uf. ,580-0223-05-020
.22uf,
27pf., 580-0270-05-006
270pf
270pf.,
33 pF, 580-0330-05-006
330pf., 580-0331-05-010
33uf 595D336X0004B2T
3 pf. , 580-0003-05-025
3.3pf. 580-0033-05-025
3.9pf, 580-0039-05-025
470pf. ,580-0471-05-010
4.7 pF, 580-0047-05-005
56pf,
560pf. ,580-0561-05-005
5.1pf.
68pf, 580-0680-05-050
680pf. ,580-0681-05-011
.068uf. ,580-0683-05-020
68 uF,595D686X06R3B2T, 570-0686-05-020

Detail
6.8pf
6.8 pF, 580-6800-05-005
75pf. , 580-0750-05-005
820pf.,
8200pf. , 580-0822-05-005
TSBPCM134D-001, 609-0068-05-002
2135.31.1610.003 600-0005-05-001
MAX887HESA, 231-0887-05-001
MAX549ACUA, 180-0549-05-001
AD7302BRU, 180-7302-05-001
HSMS-285C-TR1, 270-0285-05-001
BAW56TC, 270-0056-05-001
STH-90S, 231-0014-05-001
KM416V254DT-6, 161-0016-05-060
FAR-F5CH-836M50-L2AW, 260-0836-05-008
FAR-F5CH-881M50-L2AVT, 260-0881-05-009
D5CB-881M50-D1A1, 260-0001-05-010
XC4020XL-3HT144C, 180-4020-05-00?
25068L-11/0606, CDP-1130-02-001
100nH, 260-0101-05-002
10nH, 260-0010-05-003
10nH,260-0010-05-004
10nH, 260-0010-05-005
CLQ71-100N, 260-0100-05-002
12nH, 260-0012-05-002
150 nh, LL2012-FR15K
150uh, FSLU2520-151J
15nH
180nh,
18nH, 260-0018-05-002
18nH, 260-0018-05-003
1.2UH, 260-0012-05-001
1.8UH, 260-0018-05-001
220nH
220nH, 260-0221-05-001
270nH, 260-0271-05-001
39 nh, 260-0039-05-001
3.9nH, 260-0039-05-002
680nH, 260-0680-05-003
82nH, 260-0082-05-004
470 nh, 260-0470-05-002, IET0295AC
RMC-E15MY-OM-MB3, 608-0017-05-001
MAX2450CEP, 180-2450-05-001
180-0002-05-001, IET0170AC, TC7W04FUTE12L
180-0002-05-002, IET0294AC, TC7SU04FUTE85L
180-0008-05-001, IET0158AC, TC7W08FU
TA75W393FUTE12L
SA617DK, 180-0617-05-001
X25160S, 161-2516-05-160
AT49BV040-15VC, 161-0040-03-004
IRLML6302, 270-6302-05-001

Detail
UPC8106T-E3, 231-8106-05-001
TLV2262A, 180-2262-05-001
TLC2274CPWLE
U13, TLV2221CDBV
CDP-0011-02-001
HD6417708F60, 160-7708-05-001
UPS5817, 270-5817-05-001
0 ohm, RM73E1JT000J, (Value not known)
10k, RM73H1ET1002F
1K, RM73BIET102J
10K, RM73BIET103J
100K, RM73BIET104J
10.5k, RK73H1ET1052F
1.1k, RM73B1ET112J
120 ohm, RM73B1ET120J
13K, RM73BIET133J
1.5K, RM73BIET152J
15K, RM73B1ET153J
165K, RK73HIET1653F
17.8K, RK73H1ET1782F
1.8K, RM73BIET182J
18K, RM73BIET183J
20K, RM73BIET203J
200K, RM73BIET204J
22 OHM, RM73BIET220J
220 OHM, RM73BIET221J
270 OHM, RM73BIET271J
30 ohm, RM73B1ET300J
30.1K, RK73HIET3012F
30K, RM73B1ET303J
330 ohm
3.3K,
33K, RM73BIET333J
330K, RM73BIET334J
390 OHM, RM73BIET391J
3.9K, RM73BIET392J
430K, RM73BIET434J
4.7k, RM73B1ET472J
47K, RM73B1ET473J
51 OHM, RM73B1ET510J
51K, RM73B1ET513J
5.6k, RM73B1ET562J
62 Ohm, RM73BIET620J
68k, RM73B1ET683J
75 OHM, RM73BIET750J
7.5K, RM73BIET752J
75K, RM73B1ET753J
820 OHM, RM73BIET821J
8.2k, RM73BIET822J
90.9K, RK73H1ET9092F
91K, RM73BIET913J

Detail
DS1816R-10, 622-0022-05-001
WSL1206R01FTR-1000 01ohm, 490-0010-05-001
1K, 450-0102-05-001
10K, 450-0103-05-001
1.1K, 450-0112-05-001
1.3K, 450-0132-05-013
15K, 450-0153-05-001
1.8K, 450-0182-05-001
20K, 450-0203-05-020
2.7K, 450-0272-05-001
30K,450-0303-05-001
330 OHM, 450-0331-05-001
47K, 450-0473-05-001
U14,15,16 MAX4544CUT, 622-4544-05-001
MB15A16PFV1, 180-1516-05-001
LMX2337TM, 180-2337-05-001
RTVXO-801B3Q-15.360, 210-1536-05-001
LM60BIM3X, 180-0060-05-001
MQE901-926-T1
BBY5103WE6327, 241-5103-05-001
BB545E7908, 270-0545-05-001
BB640E7263, 241-0020-05-001
MIC5205-2.8BM5, 240-5205-05-001
MIC5207-3.8BM5
UPA810T-T1, 280-0810-05-003

Reference Designator
U23
U34
U35
U26
U2
U6
U20
C1,2,47,50,52,59,79,81,87,127,135,144
C6,7,8,9,20,99,103,106,108,114,115,116,119,120,122,131,132,133,134,172,173,U37and U39-pin-4 to gnd.
C4,5,43,54,67,80,84,107,109,118,126,145,151,153,155,158,170,171, C126,C159
C3,10,11,12,13,14,15,16,17,21,22,23,24,25,26,27,28,29,30,31,32,33,34,37,38,41,61,65,68,73,74,75,76,77,78,88,96,101,139,140,141,142,143,147.148,154,156,162,163,164,165,166,167,168,169,174
C192
C35,36,39,64,179,180,181
C98
C72
C121
C177,C178,C182,C183,C184,C186
C124
C130,138,C175
C102,117
CXX
C128,136,157
C92,C93
C19,C71,C89
C44,C48,C90
C40
C123
C91, C176
C45,51,125,146
C125,146
C66,C85,C105
C18,C97, parallel with R57
C185,C187
C100
C57,94,CXX
C55,150,152
C149,C193
C82,83
C161
C69
C62,C63
C110,CXX
C46,C49,C129,C137
C70
C188,C189,C190

Reference Designator
C60
C53,C56,C58,C86
C95
C160
C191
J3
J1
U8
U1
U25
CR1
CR4
DC1
U41,U30
FL1, FL4
FL3
FL2
U18
L14
L26
L16,17,18
L21
L1
L27,L28,L32,LXX
L10
L22
L31
L12
L25,LXX
L22,L23,L24
L9
L13
+5 volt line of U8
L5
L3
L20
L19
L2,LXX
L4,L15
L6,7,8,11
J2
U28,U40
U10
U4
U24
U17
U36
U22
U9
Q7

Reference Designator
U19
U11,U12,U31
U27
U13
U3
CR3
TP1
R58,61,78,81
R1,6,7,60,68,69
R10,R14,R15,R23,R62,R63,R74
R8,R9
R77,82
R36,37
Between C110 and R49
R21,R54
R67
R52,R88
R65
R44,47
R10
R20
R40,43,72,73
R41,42,75
R31
R5,RX
R48
R49
R45,46
R57
R11
TLV2221 U13 pin 4
R17
R13
R4
R18
R12
R56
R38,R39,R52
R24,33,35,51
R27
R55
R29,RXX
R53
R30, PARALLEL TO C110
R22
R25
R16,R50
R59
R66,70,71,76,79,80,83
R19,R26,R85,R86

Reference Designator
U21
R64
RP5,RP7
RP1,2,3,4,6,8,9,19,20,23,24,26
RP39
RP29,33
RP37
RP17
RP31,32
RP30,34
RP40
RP36
RP11,13,14,15,16,25
U14,U15,U16
U7
U33
U29
U5
U42
CR5
CR6,CR7
CR8
U32,U37,U39
U38
Q1,2,3,5,6