

**RADIOFRAME**
NETWORKS™**BOM EXPLOSION REPORT**

Part Number 101-0581-01
Part Revision
Part Description SUB ASY, POWER DISTRIBUTION UNIT (PDU), HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
0	1-Ops/RFN Mfg	101-0581-01		SUB ASY, POWER DISTRIBUTION UNIT (PDU), HIGH POWER				
.1	1-Ops/RFN Mfg	110-1262-R00	A	TERMINAL BLOCK, POWER FEED THRU, 6-POLE, LEAD FREE	0	1		
.1	5-Misc Part	510-1277-R01	A	CHASSIS, PDU, HIGH POWER	0	1		
.1	5-Misc Part	510-1278-R01	A	COVER, PDU, HIGH POWER	0	1		
.1	5-Misc Part	510-1279-R01	A	BUSS BAR, LINE, PDU, HIGH POWER	0	1		
.1	5-Misc Part	510-1280-R01	A	BUSS BAR, RETURN, PDU, HIGH POWER	0	1		
.1	5-Misc Part	510-1281-R02		BUSS BAR, 2-POLE CB, LEFT, PDU, HIGH POWER	0	1		
.1	5-Misc Part	510-1281-R12		BUSS BAR, 2-POLE CB, RIGHT, PDU, HIGH POWER	0	1		
.1	5-Misc Part	511-0011-R01	A	COVER, TERMINAL BLOCK, POWER FEED THRU, 6-POLE, LEAD FREE	0	1		
.1	5-Misc Part	520-0880-99	1	NUT, K-LOK, 1/4-20	0	24		
.1	5-Misc Part	520-0890-99	B	NUT, NYLON INSERT STOP, #4-40	0	8		
.1	5-Misc Part	527-0002-03	A	CIRCUIT BREAKER, HP PDU, 3A	0	5		
.1	5-Misc Part	527-0002-10	A	CIRCUIT BREAKER, HP PDU, 10A	0	3		
.1	5-Misc Part	527-0003-01	A	CIRCUIT BREAKER, 2-POLE, 125A	0	2		
.1	5-Misc Part	533-0204-03		SCR, #6-32 X 1/4, PPH, INT SEMS, BLK OX	0	32		
.1	8-Connector/Socket	820-0632-01	A	ASY, CABLE, POWER, PDU, HP	0	8		
.1	8-Connector/Socket	820-0633-01	A	ASY, CABLE, SENSE, PDU, HP	0	1		
.1	8-Connector/Socket	820-0634-01	A	ASY, CABLE, CB, PDU, HP	0	9		
.1	Document	910-0581-01		SUB LEVEL ASY DWG, PDU, HIGH POWER	0	0		

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BOM EXPLOSION REPORT

Part Number 101-1017-01
 Part Revision
 Part Description SUB ASY, CABINET, MC-SERIES, HP

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
0	1-Ops/RFN Mfg	101-1017-01		SUB ASY, CABINET, MC-SERIES, HP				
.1	1-Ops/RFN Mfg	110-1051-01	A	CABINET, MC-SERIES, HIGH POWER	0	1		
.1	5-Misc Part	510-1232-02	D	BRACKET, SHELF SUPPORT	0	20		
.1	5-Misc Part	510-1296-R02		BULKHEAD, CABINET TOP, HIGH POWER	0	1		
.1	5-Misc Part	520-0590-99	2	SCREW, #10-32 X 1/2, ZOS, PPH, EXT SEMS	0	14		
.1	5-Misc Part	520-0880-99	1	NUT, K-LOK, 1/4-20	0	4		
.1	5-Misc Part	521-0701-00	1	CABLE TIE, HOOK AND LOOP 8" X .5" BLACK	0	14		
.1	5-Misc Part	539-0001-00	2	SCREW, RACK 10-32 X 5/8 BLK	0	44		
.1	5-Misc Part	546-0003-00	1	CAP, N-TYPE PLASTIC RED	0	6		
.1	8-Connector/Socket	802-0170-05	1	CONN, ADAPTER, TYPE-N BULKHEAD J/J PRESSURIZED	0	6		
.1	8-Connector/Socket	820-0609-00	C	ASY, CABLE, GROUND, 6AWG GRN-YLW, AL W/RING TERMINALS, 6"	0	11		
.1	8-Connector/Socket	820-0609-10	C	ASY, CABLE, GROUND, 6AWG GRN-YLW, AL W/RING TERMINALS, 12"	0	1		
.1	8-Connector/Socket	820-0625-10	D	ASY, CABLE, GND, 6AWG, DUAL LUG, 12"	0	1		
.1	8-Connector/Socket	820-0625-20	D	ASY, CABLE, GND, 6AWG, DUAL LUG, 24"	0	1		
..2	8-Connector/Socket	807-0016-05	B	LUG, 6AWG, 2-HOLE, STANDARD BARREL W/WINDOW, COPPER, STRAIGHT	0	2		
..2	8-Connector/Socket	825-0547-00	1	CABLE, 6AWG, 600 VOLT, 133/27, UL 1283/1232 TEMP=105°C, CSA TEW	0	1		
.1	Document	910-1017-01		SUB-LEVEL ASY DWG, CABINET, MC-SERIES, HIGH POWER	0	0		

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**BOM EXPLOSION REPORT**

Part Number 101-1015-01
 Part Revision
 Part Description SUB ASY, BANDSPLITTER, MC-SERIES, HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
0	1-Ops/RFN Mfg	101-1015-01		SUB ASY, BANDSPLITTER, MC-SERIES, HIGH POWER				
.1	5-Misc Part	500-0309-05	A	ATTENUATOR, BANDSPLITTER, 800-900MHZ, MC-SERIES HI PWR PRE-PA	0	3		
..2	Document	907-0309	C	SSRD, MC SERIES HIGH POWER PRE-PA BAND SPLITTER/ATTENUATOR	0	0		
.1	5-Misc Part	510-0002-01	A	SHROUD, PA SHELF, MC-SERIES, HP	0	1		
.1	5-Misc Part	510-0003-01	A	COVER, SHROUD, PA SHELF, MC-SERIES, HP	0	1		
.1	5-Misc Part	520-0002-01	A	FASTENER, PANEL, PLUNGER, 3/16"	0	4		
.1	5-Misc Part	520-0003-01	A	FASTENER, PANEL, GROMMET, 3/16"	0	4		
.1	5-Misc Part	520-0890-99	B	NUT, NYLON INSERT STOP, #4-40	0	6		
.1	Document	910-1015-01		SUB-LEVEL ASY DWG, BANDSPLITTER, MC-SERIES, HIGH POWER	0	0		



BOM EXPLOSION REPORT

Part Number 101-1012-01
Part Revision
Part Description SUB ASY, TX FILTER SHELF, MC-SERIES, HIGH POWER

PRELIMINARY



Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
0	1-Ops/RFN Mfg	101-1012-01		SUB ASY, TX FILTER SHELF, MC-SERIES, HIGH POWER				
.1	5-Misc Part	510-1290-R01		CHASSIS, TX FILTERS	0	1		
.1	5-Misc Part	510-1298-12		BRKT, TX FILTER CHASSIS	0	1		
.1	5-Misc Part	514-0001-99	1	TERMINATOR, N-M W/CHAIN 2W 6GHZ, 18DB MAX VSWR @ 6GHZ	0	3		
.1	5-Misc Part	520-0520-99	1	SCREW, #8-32 X 3/8, ZOS, PPH, EXT SEMS	0	4		
.1	5-Misc Part	520-0590-99	2	SCREW, #10-32 X 1/2, ZOS, PPH, EXT SEMS	0	4		
.1	5-Misc Part	521-0520-99	C	HANDLE, ALUMINUM, 5" CTC	0	2		
.1	5-Misc Part	530-0306-72	1	SCR, #8-32 X 3/8, FHP, ST ZN, UN	0	18		
.1	5-Misc Part	533-0205-03	1	SCR, #6-32 X 5/16, BLK OX, INT SEMS	0	3		
.1	1-Ops/RFN Mfg	820-0605-31	H	ASY, CABLE SMA ST/BH, 15.5"	0	3		
.1	8-Connector/Socket	820-0635-10	A	ASY, CABLE, TYPE N BH/SMA ST, INSULATED, 22.0"	0	3		
.1	Document	910-1012-01		SUB-LEVEL ASY DWG, TX FILTER SHELF, HIGH POWER	0	0		

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BOM EXPLOSION REPORT

Part Number 101-1011-01
 Part Revision
 Part Description SUB ASY, RADIOBLADE SHELF (RBS), MC-SERIES,
 HIGH POWER

PRELIMINARY



Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
0	1-Ops/RFN Mfg	101-1011-01		SUB ASY, RADIOBLADE SHELF (RBS), MC-SERIES, HIGH POWER				
.1	1-Ops/RFN Mfg	102-0011-04	C	ASY, FAN 60MM X 25MM 12VDC 37 CFM 3 WIRE	0	3		
.2	5-Misc Part	518-0002-00	1	FAN, 60MM X 25MM 12VDC 37 CFM 3 WIRE	0	1		
.2	5-Misc Part	543-0001-00	1	TUBING, HEAT SHRINK, 1/4" EXPANDED, 1/8" SHRUNKEN, PVC	0	0		
.2	8-Connector/Socket	806-0601-05	1	CONN., 3 CKT RECEPTACLE HOUSING	0	1		
.2	8-Connector/Socket	806-0609-05	1	CONN., CONTACT, #18-24, 4.20MM, FEMALE, CRIMP	0	3		
.1	1-Ops/RFN Mfg	123-0680-R02	A	LABEL, BLANK, 2.00 X 0.500, GLOSSY WHITE, POLYESTER, LEAD FREE	0	2		
.1	5-Misc Part	508-0631-99	1	FAN, FINGER GUARD, METAL, 60MM	0	3		
.1	5-Misc Part	510-0760-01	A	BRACKET, RIB SUPPORT, BACKPLANE, CU	0	1		
.1	5-Misc Part	510-1222-02	C	COVER, CHASSIS, RBS	0	1		
.1	5-Misc Part	510-1291-R01		TRAY, CHASSIS, RBS	0	1		
.1	5-Misc Part	510-1292-R01		PANEL, BACK, RBS	0	1		
.1	5-Misc Part	510-1293-R01		PLATE, RADIOBLADE, RBS	0	1		
.1	5-Misc Part	510-1294-R01		SHIELD, COMBINER, RBS	0	3		
.1	5-Misc Part	510-1295-R01		GUIDE, RADIOBLADE, RBS	0	3		
.1	1-Ops/RFN Mfg	520-0550-R99	A	NUT, HEX, BNC JAM, 9/16X3/32, 1/2-28UNEF-2B, NI-PLT-BRASS, LEAD FREE	0	1		
.1	5-Misc Part	520-0590-99	2	SCREW, #10-32 X 1/2, ZOS, PPH, EXT SEMS	0	2		
.1	5-Misc Part	520-0960-00	1	SCREW, #6-32 X 1/4, ZOS, PPH, INT SEMS	0	22		
.1	5-Misc Part	521-0520-99	C	HANDLE, ALUMINUM, 5" CTC	0	1		
.1	5-Misc Part	521-0620-99	1	TIE WRAP, 3", BLACK	0	12		
.1	5-Misc Part	523-0571-20	1	GASKET, EMI, .120 X .360 D-SHAPE W/PSA, 4.25" L	0	2		
.1	5-Misc Part	523-0571-30	1	GASKET, EMI, .120 X .360 D-SHAPE W/PSA, 17.12" L	0	2		
.1	5-Misc Part	530-0203-72	1	SCREW, #6-32 X 3/16, FL HD PH, ST ZN, U-CUT	0	7		
.1	5-Misc Part	530-0220-02	1	SCREW, #6-32 X 1 1/4, PPH, ST ZN	0	12		
.1	5-Misc Part	533-0103-02	1	SCREW, #4-40 X 3/16, PPH, INT SEMS, ST ZN	0	21		
.1	5-Misc Part	533-7108-02	1	SCREW, #6-32 X 1/2, PPH, EXT SEMS, ST ZN	0	16		

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HIGH POWER

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Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
.1	5-Misc Part	534-0204-02	1	NUT, #6-32, KEP, ST ZN	0	3		
.1	5-Misc Part	536-0304-00	1	STANDOFF, JACK SCREW, 3/16 HEX M/F, #4-40 X 1/4, SS	0	12		
.1	5-Misc Part	539-0002-00	1	SCREW, 8-32 X 1/4 SLOTTED PH, ST ZN	0	16		
.1	5-Misc Part	539-1703-00	A	RIVET, 1/8" DIAMETER, .252 LENGTH, ALUMINUM RIVET/ ALUMINUM OR STEEL MANDREL	0	27		
.1	5-Misc Part	541-0008-05	A	COMBINER SPLITTER, POWER, 4:1	0	9		
..2	Document	907-0310	D	SSRD, MC SERIES HIGH POWER 4:1 COMBINER	0	0		
.1	5-Misc Part	547-0001-00	2	SLIDE, 16" LOCKING BALL BEARING 100LBS (PAIR)	0	1		
.1	8- Connector/S ocket	820-0002-00		ASY, CABLE, LMR-100A, SMA ST/BH, 3.5"	0	3		
.1	8- Connector/S ocket	820-0002-10		ASY, CABLE, LMR-100A, SMA ST/BH, 17"	0	6		
.1	Document	910-1011-01		SUB-LEVEL ASY DWG, RBS, HIGH POWER	0	0		
.1	1-Ops/RFN Mfg	ASY-0635-01	X1	RADIOBLADE SHELF (RBS), WITH GIGABIT ETHERNET	0	1		
..2	1-Ops/RFN Mfg	110-0021-00	A	DC-DC CONVERTER, 1/4 BRICK, INPUT 36-60V, OUTPUT 12V, 33A	0	2	PS7, PS8	
..2	1-Ops/RFN Mfg	110-0100-00	1	NON-ISOLATED 12V - 3.3V, 18A DC-DC CONVERTER, SMT	0	6	PS1-PS6	
..2	1-Ops/RFN Mfg	123-1031-00	1	LABEL, BARCODE, BLANK STOCK, 1.00 X .25	0	4		
..2	1-Ops/RFN Mfg	151-0535-01	1	RBS V0.2 SW ASSEMBLY, 730- 0535-01 + 602-0764-00	0	3	U43-U45	
...3	6- Semiconduct or/IC	602-0764-00	3	IC, 3 VOLT INTEL R STRATAFLASH MEMORY, TSOP, 128MBIT	0	1		
...3	7-Software	730-0535-01	1	SW, BOOT CODE FOR RBS V0.2, RBS_PLATFORM_AZTEK_1.5.0 38	0	1		

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BOM EXPLOSION REPORT



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PRELIMINARY



Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
..2	2-Resistor	201-0-0	1	RES, 0, 0603	0	192	R109, R111-R113, R115, R117-R119, R121, R123-R125, R157, R160, R163, R196-R210, R212-R218, R220-R222, R229-R231, R257, R258, R260, R261, R263-R270, R274-R276, R278, R282, R286, R290, R293, R296, R299, R301, R303, R304, R306, R307, R309, R310, R312, R316-R321, R328, R330, R332, R335, R337, R339, R519, R523, R526, R529, R559, R561, R563, R565, R567, R569, R586, R588, R590, R592, R594, R596, R611, R615, R621-R626, R655, R657, R659, R661, R663, R665, R708, R711, R714, R717, R719, R721, R723, R752, R753, R755, R756, R758, R759, R770, R772, R774, R776, R778, R780, R782, R784, R786, R802, R804, R806, R807, R811, R815, R823, R825, R827, R828, R830, R832, . . .	

BOM EXPLOSION REPORT

PRELIMINARY



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							R834-R839, R904, R907, R910, R913, R916, R919, R921, R923, R925, R928, R931, R934, R936, R938, R940, R943, R945, R947, R950, R953, R955, R957, R959, R961, R963, R1001, R1003, R1005, R1076, R1079, R1082, R1085, R1087, R1089, R1174-R1176	
..2	2-Resistor	201-1002-0F	1	RES, 10.0K, +/-1%, 0603	0	6	R444-R447, R449, R450	
..2	2-Resistor	201-1003-0F	1	RES, 100K, 1%, 0603	0	1	R494	
..2	2-Resistor	201-101-0J	1	RES, 100, +/-5%, 0603	0	4	R537, R1136, R1139, R1142	
..2	2-Resistor	201-102-0J	1	RES, 1K, +/-5%, 0603	0	120	R55-R81, R85-R90, R129-R134, R244, R245, R249, R250, R254, R255, R340-R345, R414-R419, R455, R456, R460, R461, R465, R466, R864, R867, R870, R888-R903, R906, R909, R912, R915, R918, R927, R930, R933, R964, R965, R968, R969, R972, R973, R994-R996, R1053-R1055, R1061-R1063, R1069-R1071, R1144-R1149, R1152, R1155, R1158, R1163, R1168, R1173	

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..2	2-Resistor	201-103-0J	1	RES, 10K, +/-5%, 0603	0	432	R82-R84, R93-R107, R138-R146, R150-R155, R165-R179, R181-R186, R189-R194, R223-R228, R232, R235, R238, R241, R246, R251, R256, R259, R262, R271-R273, R279, R280, R283, R284, R287, R288, R291, R294, R297, R298, R300, R302, R305, R308, R311, R322, R324, R326, R334, R336, R338, R346-R351, R361, R366, R371, R373-R378, R385-R413, R420-R422, R467, R470, R473, R480, R482, R484-R492, R496, R531-R536, R538, R558, R560, R562, R573-R578, R585, R587, R589, R597, R599, R601, R603-R608, R654, R656, R658, R666, R668, R670, R672-R677, R710, R713, R716, R724, R726, R728, R730-R735, R742, R744, R746, R751, R754, R757, R760-R768, R775, R777, R779, R789, R791, . . .	

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Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
							... R793, R795- R800, R819-R822, R824, R826, R843, R848, R853, R865, R866, R868, R869, R871, R872, R952, R954, R956, R966, R970, R974, R976-R984, R991-R993, R997- R1000, R1002, R1004, R1006, R1008, R1010, R1012-R1014, R1016, R1018, R1020, R1023, R1027, R1031, R1035, R1040, R1045, R1048, R1051, R1056, R1059, R1064, R1067, R1075, R1078, R1081, R1094, R1100, R1106, R1108- R1116, R1123- R1125, R1127- R1129, R1131- R1133, R1135, R1137, R1138, R1140, R1141, R1143, R1204- R1305	
..2	2-Resistor	201-1241-0F	1	RES, 1.24K, +/-1%, 0603	0	2	R448, R451	
..2	2-Resistor	201-1271-0F	1	RES, 1.27K, 1%, 0603	0	3	R1007, R1009, R1011	
..2	2-Resistor	201-151-0J	1	RES, 150, +/-5%, 0603	0	6	R540-R545	
..2	2-Resistor	201-220-0J	1	RES, 22, +/-5%, 0603	0	18	R233, R236, R239, R242, R243, R247, R248, R252, R253, R289, R292, R295, R743, R745, R747, R840, R845, R850	
..2	2-Resistor	201-2261-0F	1	RES, 2.26K, 1%, 0603	0	3	R499, R501, R502	
..2	2-Resistor	201-2800-0F	1	RES, 280, +/-1%, 0603	0	3	R277, R281, R285	
..2	2-Resistor	201-3163-0F	1	RES, 316K, 1%, 0603	0	3	R454, R459, R464	

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..2	2-Resistor	201-331-0J	1	RES, 330, +/-5%, 0603	0	120	R1-R54, R524, R527, R530, R555-R557, R579- R584, R609, R610, R613, R614, R617, R618, R678-R683, R736-R741, R809, R810, R813, R814, R817, R818, R882-R887, R985-R990, R1117-R1122, R1192-R1203	
..2	2-Resistor	201-332-0J	2	RES, 3.3K, +/-5%, 0603	0	24	R564, R566, R568, R591, R593, R595, R660, R662, R664, R718, R720, R722, R781, R783, R785, R829, R831, R833, R958, R960, R962, R1084, R1086, R1088	
..2	2-Resistor	201-472-0J	1	RES, 4.7K, +/-5%, 0603	0	56	R91, R92, R108, R110, R114, R116, R120, R122, R156, R158, R159, R161, R162, R164, R188, R352-R358, R362, R363, R367, R368, R372, R439, R441, R443, R452, R457, R462, R493, R500, R1022, R1026, R1030, R1034, R1039, R1044, R1049, R1050, R1057, R1058, R1065, R1066, R1072-R1074, R1126, R1130, R1134, R1189- R1191	
..2	2-Resistor	201-47R5-0F	1	RES, 47.5, +/-1%, 0603	0	24	R505-R516, R1090-R1093, R1096-R1099, R1102-R1105	

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..2	2-Resistor	201-49R9-0F	1	RES, 49.9, +/-1%, 0603	0	12	R1024, R1028, R1032, R1036, R1037, R1041, R1042, R1046, R1047, R1052, R1060, R1068	
..2	2-Resistor	201-6042-0F	1	RES, 60.4K, +/-1%, 0603	0	1	R495	
..2	2-Resistor	201-683-0J	4	RES, 68K, +/-5%, 0603	0	15	R359, R360, R364, R365, R369, R370, R453, R458, R463, R1177, R1179, R1181, R1183, R1185, R1187	
..2	2-Resistor	201-750-0J	1	RES, 75, +/-5%, 0603	0	159	R126-R128, R135- R137, R147-R149, R234, R237, R240, R379-R384, R423-R438, R440, R442, R468, R469, R471, R472, R474, R475, R479, R481, R483, R497, R498, R518, R520-R522, R525, R528, R539, R627-R653, R684-R707, R748- R750, R841, R842, R846, R847, R851, R852, R855-R863, R873-R881, R942, R946, R949, R1150, R1151, R1153, R1154, R1156, R1157, R1159-R1162, R1164-R1167, R1169-R1172, R1178, R1180, R1182, R1184, R1186, R1188	
..2	2-Resistor	202-0-0	1	RES, 0, 0805	0	6	R546-R551	
..2	2-Resistor	202-2001-0D	3	RES, 0.5%, 2.000K, 0805	0	6	R619, R620, R712, R715, R787, R788	
..2	2-Resistor	204-472-0J	1	RES, 4.7K, +/-5%, 1206	0	2	R503, R504	

RadioFrame Networks Proprietary

Created by: Andrea Bernard

BOM EXPLOSION REPORT

Part Number 101-1011-01
 Part Revision
 Part Description SUB ASY, RADIOBLADE SHELF (RBS), MC-SERIES,
 HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
..2	2-Resistor	204-473-0J	1	RES, 47K, +/-5%, 1206	0	1	R517	
..2	2-Resistor	271-220-1J	1	RESNET, 22, +/-5%, 3.2X1.6MM	0	24	RP1-RP6, RP49- RP66	
..2	2-Resistor	271-221-1J	1	RESNET, 220, +/-5%, .2X1.6MM	0	24	RP10-RP12, RP22-RP24, RP34-RP36, RP46-RP48, RP76-RP78, RP97-RP99, RP133-RP135, RP151-RP153	
..2	2-Resistor	271-750-1J	1	RESNET, 75, +/-5%, 3.2X1.6MM	0	105	RP7-RP9, RP13- RP21, RP25- RP33, RP37- RP45, RP67- RP75, RP79- RP96, RP100- RP132, RP136- RP150	
..2	3-Capacitor	301-101-5J	2	CAP, 100PF, 50V, NPO, +/- 5%, 0603	0	18	C1-C6, C76, C77, C82, C83, C88, C89, C296, C297, C302, C303, C308, C309	
..2	3-Capacitor	301-102-5J	1	CAP, 1000PF, 50V, NPO, +/- 5%, 0603	0	33	C68, C70, C72, C74, C79, C80, C85, C86, C91, C288, C290, C292, C294, C299, C300, C305, C306, C311, C397, C399, C401, C691-C699, C729, C734, C739	
..2	3-Capacitor	301-220-5J	1	CAP, 22PF, 50V, NPO, +/-5%, 0603	0	6	C500-C502, C620- C622	
..2	3-Capacitor	311-102-5K	2	CAP, 1000PF, 50V, X7R, +/- 10%, 0603	0	21	C406-C408, C428, C430, C432, C700, C702, C704, C743, C745, C747, C749, C751, C753, C761, C764, C767, C778, C782, C786	

RadioFrame Networks Proprietary

Created by: Andrea Bernard

BOM EXPLOSION REPORT

Part Number 101-1011-01
Part Revision
Part Description SUB ASY, RADIOBLADE SHELF (RBS), MC-SERIES,
 HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
..2	3-Capacitor	311-103-5M	1	CAP, 0.01UF, 50V, X7R, +/- 20%, 0603	0	30	C377, C380, C382, C706, C708, C710, C721, C723, C725, C727, C728, C732, C733, C737, C738, C742, C744, C746, C769, C771, C772, C774, C775, C777, C779, C780, C783, C784, C787, C788	
..2	3-Capacitor	311-103-6K	1	CAP, 0.01UF, 0603, 10%, X7R, 100V	0	2	C368, C379	

RadioFrame Networks Proprietary

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BOM EXPLOSION REPORT**RADIOFRAME**
NETWORKS

Part Number 101-1011-01
 Part Revision
 Part Description SUB ASY, RADIOBLADE SHELF (RBS), MC-SERIES,
 HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
..2	3-Capacitor	311-104-1M	1	CAP, 0.1UF, 16V, X7R, +/- 20%, 0603	0	364	C10-C15, C24-C26, C28, C30, C32, C47-C49, C69, C71, C73, C93, C95, C118-C120, C127-C138, C163, C166, C169, C175, C184-C189, C199-C222, C229-C244, C246, C247, C249, C250, C278, C279, C281, C282, C284, C285, C289, C291, C293, C318, C320, C322, C324-C335, C343-C345, C349, C350, C352, C371, C378, C381, C383, C448-C450, C455, C461, C462, C467, C472, C473, C476, C478, C480, C482-C490, C499, C503-C619, C623-C656, C658, C660-C690, C701, C703, C705, C714, C717, C720, C730, C731, C735, C736, C740, C741, C790-C795, C802, C805, C808, C817-C831	

RadioFrame Networks Proprietary

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BOM EXPLOSION REPORT



Part Number 101-1011-01
 Part Revision
 Part Description SUB ASY, RADIOBLADE SHELF (RBS), MC-SERIES,
 HIGH POWER

PRELIMINARY



Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
..2	3-Capacitor	311-104-3K	1	CAP, 0.1UF, 25V, X7R, +/- 10%, 0603	0	64	C75, C78, C81, C84, C87, C90, C99-C101, C145-C147, C262-C264, C295, C298, C301, C304, C307, C310, C353, C358, C363, C411, C451-C454, C457-C460, C463-C466, C707, C709, C711, C712, C715, C718, C722, C724, C726, C748, C750, C752, C754-C760, C762, C763, C765, C766, C768, C770, C773, C776	
..2	3-Capacitor	314-105-1K	1	CAP, 1UF, 16V, X7R, +/-10%, 1206	0	6	C427, C429, C431, C440, C441, C443	
..2	3-Capacitor	314-105-3K	1	CAP, 1UF, 25V, X7R, +/-10%, 1206	0	6	C156, C159, C162, C190, C193, C196	
..2	3-Capacitor	316-332-9M	2	CAP, 1812 SIZE, 1500V, 3300PF HIGH VOLTAGE MLC CAP	0	1	C403	
..2	3-Capacitor	318-103-9K	2	CAP, 0.01UF, 2000V, X7R, +/- 10%, 2220	0	3	C797, C799, C801	
..2	3-Capacitor	319-103-9K	1	CAP, 0.01UF, 2000V, X7R, +/- 10%, 2225	0	3	C796, C798, C800	
..2	3-Capacitor	319-155-6K	1	CAP, 1.5UF, 100V, X7R, +/- 10%, 1825, DOUBLE TERMINATED	0	6	C347, C370, C447, C456, C657, C659	
..2	3-Capacitor	335-106-3Z	2	CAP, 10UF, 25V, Y5V, +80%- 20%, 1210	0	15	C59, C62, C65, C155, C158, C161, C172, C173, C176, C191, C194, C197, C277, C280, C283	

RadioFrame Networks Proprietary

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BOM EXPLOSION REPORT

Part Number 101-1011-01
Part Revision
Part Description SUB ASY, RADIOBLADE SHELF (RBS), MC-SERIES, HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
..2	3-Capacitor	351-106-1M	1	CAP, 10UF, 16V, TANT, +/- 20%, 3528	0	31	C22, C23, C41, C43, C45, C56-C58, C106, C108, C111, C139, C141, C143, C254, C258, C315-C317, C336, C338, C340, C415, C433, C434, C436, C442, C477, C479, C481, C492	
..2	3-Capacitor	351-226-0M	1	CAP, 22UF, 10V, TANT, +/- 20%, 3528	0	12	C396, C398, C400, C409, C410, C412-C414, C416, C444-C446	
..2	3-Capacitor	351-476-0M	1	CAP, 47UF, TANT, 10V, 20%	0	3	C154, C157, C160	
..2	3-Capacitor	357-476-4M	1	CAP, 47UF, 35V, TANT, +/- 20%, 7343H	0	32	C102-C105, C107, C110, C148-C153, C265-C270, C369, C372, C373, C384, C388, C392, C423, C435, C803, C804, C806, C807, C809, C810	
..2	3-Capacitor	359-105-9M	1	CAP, 1UF, 6.3V, TANT, +/- 20%, 0603	0	12	C374-C376, C437-C439, C713, C716, C719, C781, C785, C789	

RadioFrame Networks Proprietary

Created by: Andrea Bernard

BOM EXPLOSION REPORT



Part Number 101-1011-01
 Part Revision
 Part Description SUB ASY, RADIOBLADE SHELF (RBS), MC-SERIES,
 HIGH POWER

PRELIMINARY



Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
..2	3-Capacitor	399-101-0M	1	CAP, 100UF, 10V, +/-20%, 6.4X5.4	0	132	C7-C9, C16-C21, C33-C38, C42, C44, C46, C50- C55, C60, C61, C63, C64, C66, C67, C92, C94, C96, C112-C117, C121-C126, C140, C142, C144, C164, C165, C167, C168, C170, C171, C178-C183, C192, C195, C198, C223-C228, C251- C253, C255-C257, C259-C261, C271- C276, C312-C314, C319, C321, C323, C337, C339, C341, C346, C348, C351, C355-C357, C360-C362, C365- C367, C385-C387, C389-C391, C393- C395, C402, C404, C405, C417-C422, C424- C426, C468-C471, C474, C475	
..2	3-Capacitor	399-221-1M	1	CAP, 220UF, 16V, 7.7X8MM, SMT ALUMINUM ELECTROLYTIC CAP	0	26	C39, C40, C97, C98, C109, C174, C177, C245, C248, C286, C287, C354, C359, C364, C493-C498, C811- C816	
..2	3-Capacitor	399-470-9M	2	CAP, 47UF, 63V, 8X10MM UR SERIES ALUMINUM ELECTROLYTIC CAP	0	1	C491	
..2	4-Inductor	409-102-0K	1	IND, 1UH, +/-10%,	0	60	L4-L9, L13-L21, L25-L30, L34-L45, L49-L54, L56, L58, L60-L66, L71-L76, L78, L80, L82, L84-L86	

RadioFrame Networks Proprietary

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BOM EXPLOSION REPORT

Part Number 101-1011-01
Part Revision
Part Description SUB ASY, RADIOBLADE SHELF (RBS), MC-SERIES, HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
..2	4-Inductor	499-1175-00	1	IND, COMMON MODE CHOKE, SMT, LOW PROFILE, 3.0A, 61 OHM @ 100MHZ	0	10	FB1-FB6, FB59-FB62	
..2	4-Inductor	499-4R7-0M	3	IND, 4.7UH, 5.5A, SMT LOW PROFILE, HIGH CURRENT POWER INDUCTOR	0	1	L70	
..2	4-Inductor	499-7680-00	1	IND, COMMON MODE CHOKE, 4.7A, ~768UH, LCCI-50 PACKAGE	0	1	L83	
..2	5-Misc Part	501-0530-00	3	SMT3.0A MAX. FERRITE BEAD	0	28	FB15-FB17, FB23-FB25, FB34-FB55	
..2	5-Misc Part	501-0532-00	1	5.0A MAX FERRITE BEAD, SMT, 0805	0	24	FB7-FB14, FB18-FB22, FB26-FB33, FB56-FB58	
..2	5-Misc Part	502-0521-00	2	10/100BASE-TX TRANSFORMER MODULE, 1:1	0	3	T5-T7	
..2	5-Misc Part	502-0524-00	1	PULSE GIGABIT ETHERNET MAGNETIC MODULE	0	3	U89-U91	
..2	5-Misc Part	502-0530-00	2	WIDEBAND RF TRANSFORMER	0	4	T1-T4	
..2	5-Misc Part	503-0510-00	2	HC-49/UP REDUCED HEIGHT CRYSTAL OSC.	0	3	Y1-Y3	
..2	5-Misc Part	503-0530-00	4	CRYSTAL, 32.768KHZ, 20PPM, SMT	0	3	Y4-Y6	
..2	5-Misc Part	504-0630-00	3	3.3V HCMOS 25.000MHZ CLOCK OSCILLATOR	0	3	Y7-Y9	
..2	5-Misc Part	508-0502-00	1	FUSE, THERMAL RESETTING, 2A	0	12	F1-F3, F5-F13	
..2	5-Misc Part	509-0531-00	1	HEATSINK, EXTRUDED AL 1.19 SQ. X .28 BLK W/PSA	0	3	UH49-UH51	
..2	5-Misc Part	539-1701-00	2	RIVET, PUSH .161 DIA. NYLON WHITE G.R. .177/.217	0	2	J4_RV1, J4_RV2	
..2	6-Semiconduct or/IC	600-0545-00	1	XSTR, NPN GENERAL PURPOSE AMPLIFIER	0	48	Q1-Q48	
..2	6-Semiconduct or/IC	601-0535-00	1	DIODE, SUPER-FAST RECOVERY, SMA, 1A, 50V, GPP	0	3	D44-D46	
..2	6-Semiconduct or/IC	601-0591-00-55	A	DIODE, MOV, 60V, 600W, SMA, LEAD FREE	0	2	D36, D43	
..2	6-Semiconduct or/IC	601-0628-00	2	DIODE, DIODE, 500MW SWITCHING	0	12	D29-D34, D37-D42	
..2	6-Semiconduct or/IC	601-0660-00	1	DIODE, SHOTTKY DIODE, 100V, 5.5A, D-PAK	0	6	D16-D19, D35, D47	
..2	6-Semiconduct or/IC	602-0010-00	2	IC, SINGLE BUS BUFFER GATE W/ 3 STATE OUTPUT	0	3	U84, U86, U88	
..2	6-Semiconduct or/IC	602-0510-00	1	IC, 3.3V CMOS 1-TO-10 CLOCK DRIVER	0	4	U19-U21, U82	
..2	6-Semiconduct or/IC	602-0570-00	1	IC, QUADRUPLE BUS BUFFER GATE WITH 3-STATE OUTPUTS	0	1	U62	

RadioFrame Networks Proprietary

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BOM EXPLOSION REPORT

Part Number 101-1011-01
Part Revision
Part Description SUB ASY, RADIOBLADE SHELF (RBS), MC-SERIES, HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
..2	6-Semiconductor/IC	602-0590-00	3	IC, I2C 8KB EEPROM	0	3	U28-U30	
..2	6-Semiconductor/IC	602-0631-00	1	IC, RS-232 TRANSCEIVER, LOW POWER 3.3V, 2-DRIVERS/2 RECEIVERS	0	3	U95-U97	
..2	6-Semiconductor/IC	602-0651-00	1	IC, OCTAL BUFFER/DRIVER WITH 3-STATE OUTPUTS 74LV244 TSOP	0	6	U4-U6, U25-U27	
..2	6-Semiconductor/IC	602-0691-00	1	IC, SINGLE GATE HEX INVERTER	0	9	U52-U57, U78-U80	
..2	6-Semiconductor/IC	602-0799-00	1	IC, 10/100M ETHERNET TRANCIEVER	0	3	U68-U70	
..2	6-Semiconductor/IC	602-0805-00	1	IC, MICRO-POWER PRECISION TRIPLE SUPPLY MONITOR	0	5	U40-U42, U65, U66	
..2	6-Semiconductor/IC	602-0820-00	1	IC, DIGITAL 2-WIRE TEMPERATURE SENSOR	0	6	U59, U61, U64, U74-U76	
..2	6-Semiconductor/IC	602-0825-00	1	IC, 4-PIN PHOTOTRANSISTOR OPTOCOUPLER	0	10	ISO1-ISO10	
..2	6-Semiconductor/IC	602-0920-00	1	IC, ETHERNET SWITCH 8PORT RMII, 2PORT GIGABIT	0	3	U49-U51	
..2	6-Semiconductor/IC	602-1060-00	1	IC, ZERO DELAY OCTAL BUFFER, 16PIN-TSSOP, 3.3V	0	6	U7-U9, U46-U48	
..2	6-Semiconductor/IC	602-1100-00	1	IC, SDRAM, 128 MBIT, 32X4 BANKS, 86 TSOP	0	3	U31-U33	
..2	6-Semiconductor/IC	602-1111-00	3	IC, SINGLE PORT GIGABIT ETHERNET PHY	0	3	U71-U73	
..2	6-Semiconductor/IC	603-0531-00	1	IC, RESET GENERATOR WITH MANUAL INPUT, 400MS RESET, SC-70 PACKAGE	0	3	U37-U39	
..2	6-Semiconductor/IC	603-0551-00	1	IC, COMPARATOR, HIGH SPEED, LT1719	0	4	U81, U83, U85, U87	
..2	6-Semiconductor/IC	603-0980-00	2	IC, ARM PROCESSOR, XSCALE, PBGA 256 PIN	0	3	U22-U24	
..2	6-Semiconductor/IC	603-1020-00	1	IC, LDO, ADJ. V/3.0A OUTPUT	0	16	U10-U12, U16-U18, U34-U36, U58, U60, U63, U67, U92-U94	
..2	6-Semiconductor/IC	603-1090-00	1	IC, DUAL -48V SUPPLY AND FUSE MONITOR	0	1	U77	
..2	6-Semiconductor/IC	604-0553-00	1	IC, XC3S200 SPARTAN III FPGA, TQFP 144 PIN PKG, STANDARD SPEED	0	3	U13-U15	
..2	8-Connector/Socket	803-0660-00	1	CONN, 2X30 VERTICAL DOUBLE ROW, SMT, CARD EDGE, 1MM	0	24	JE1-JE24	

RadioFrame Networks Proprietary

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BOM EXPLOSION REPORT

Part Number 101-1011-01
Part Revision
Part Description SUB ASY, RADIOBLADE SHELF (RBS), MC-SERIES,
HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
..2	8-Connector/Socket	803-0700-02	1	CONN, 2X15 VERTICAL DOUBLE ROW, SMT, MICRO TERMINAL STRIP, .05 PITCH	0	3	JP10-JP12	
..2	8-Connector/Socket	804-0020-00	2	CONN, 0.5MM PITCH FFC/FPC, 50 POS, RT ANGLE, SMT, ZIP, TOP CONTACT	0	3	JP1-JP3	
..2	8-Connector/Socket	804-0031-01	1	CONN, MINI-FIT JR. RIGHT ANGLE, SINGLE ROW, 3 POSITION HEADER	0	3	J6-J8	
..2	8-Connector/Socket	804-0091-00	1	CONN, RIGHT ANGLE DB-15 THROUGH HOLE RECEPTACLE	0	3	J9-J11	
..2	8-Connector/Socket	804-0512-02	1	CONN, RIGHT ANGLE DB-9 THRU HOLE RECEPTACLE W/ REINFORCED BACK RETAINER	0	3	J1-J3	
..2	8-Connector/Socket	804-0600-02	1	CONN, JACK, BNC, RA, PC-MT, 50 OHM	0	1	J5	
..2	8-Connector/Socket	804-0690-02	3	CONN, RJ-45 1X1, 2 LED PER, 8 POS, RT ANGLE, LOW PROFILE, SHIELDED	0	6	RJ1-RJ6	
..2	8-Connector/Socket	804-0765-02	1	CONN, HEADER ASSEMBLY, RIGHT ANGLE MOUNT, 3 POSITION, UNIVERSAL MATE-N-LOK	0	1	J4	
..2	8-Connector/Socket	830-0501-00	2	LED, 3MM PRISM SMT BI-COLOR (R/G) LED, RIGHT ANGLE MNT, ROUND LENS	0	27	CR1-CR27	
..2	8-Connector/Socket	830-0520-00	2	LED, GREEN CHIPLED 0805	0	5	CR28-CR32	
..2	8-Connector/Socket	830-0560-00	2	LED, RED/GREEN CHIPLED, 1210	0	24	D1-D15, D20-D28	

RadioFrame Networks Proprietary

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**BOM EXPLOSION REPORT**

Part Number 101-1010-01
Part Revision
Part Description SUB ASY, RX FILTER SHELF, MC-SERIES, HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
0	1-Ops/RFN Mfg	101-1010-01		SUB ASY, RX FILTER SHELF, MC-SERIES, HIGH POWER				
.1	5-Misc Part	510-1297-R01		CHASSIS, RX FILTERS	0	1		
.1	5-Misc Part	510-1298-02		BRKT, RX FILTER CHASSIS	0	1		
.1	5-Misc Part	520-0520-99	1	SCREW, #8-32 X 3/8, ZOS, PPH, EXT SEMS	0	4		
.1	5-Misc Part	520-0590-99	2	SCREW, #10-32 X 1/2, ZOS, PPH, EXT SEMS	0	4		
.1	5-Misc Part	521-0520-99	C	HANDLE, ALUMINUM, 5" CTC	0	2		
.1	5-Misc Part	530-0306-72	1	SCR, #8-32 X 3/8, FHP, ST ZN, UN	0	18		
.1	8-Connector/Socket	820-0605-41	H	ASY, CABLE SMA ST/BH, 19.0"	0	6		
.1	Document	910-1010-01		SUB-LEVEL ASY DWG, RX FILTER SHELF, HIGH POWER	0	0		

BOM EXPLOSION REPORT

Part Number 101-1009-01
Part Revision
Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
0	1-Ops/RFN Mfg	101-1009-01		SUB ASY, ABIC, MC-SERIES, HIGH POWER				
.1	1-Ops/RFN Mfg	101-0502-01	B	SUB ASY, CHASSIS UNIT, - 48VDC	0	1		
..2	5-Misc Part	519-0502-03	B	ASY, CHASSIS UNIT FRAME, W/O POWER	0	1		
...3	5-Misc Part	510-0502-04	D	CHASSIS UNIT, 4U	0	1		
....4	5-Misc Part	522-0500-99	1	NUTSERT, #6-32, 0.040 SHEET	0	38		
....4	5-Misc Part	522-0640-99	1	STUD, 1/4-20 X 3/4	0	1		
....4	5-Misc Part	539-1100-01	1	SCR, #4-40 X 3/16, PPH B, SELF-TAPPING, ST ZN	0	5		
....4	5-Misc Part	539-1400-06	1	STUD, FLUSH HEAD, #6-32 X .375, ST ZN	0	1		
....4	5-Misc Part	539-1600-01	1	PILOT PIN, .125DIA. X .375, FLUSH-MOUNTED, SST	0	2		
...3	5-Misc Part	510-0511-03	A	COVER, MAIN, CU	0	1		
...3	5-Misc Part	510-0760-01	A	BRACKET, RIB SUPPORT, BACKPLANE, CU	0	2		
...3	5-Misc Part	510-1245-00	B	BRKT, FAN ASY PWR HARNESS, 4U CHASSIS	0	1		
...3	5-Misc Part	519-1219-00	B	ASY, COVER, FAN, CHASSIS UNIT	0	1		
....4	1-Ops/RFN Mfg	102-0012-00	D	ASY, FAN, 120MM X 120MM X 38MM, 48VDC, W/CONNECTOR	0	1		
....5	5-Misc Part	518-0003-00	1	FAN, 120MM X 120MM X 38MM, 48VDC	0	2		
....5	8-Connector/Socket	806-0616-05	1	CONN., PLUG, BMI, 6 CKT, DUAL ROW, PNL MNT	0	1		
....5	8-Connector/Socket	806-0617-05	1	CONN., TERMINAL, 24-18AWG, MALE, CRIMP	0	6		
....4	5-Misc Part	510-1219-03	B	COVER, FAN, CU	0	1		
....4	5-Misc Part	520-0900-99	1	SCREW, #4-40 X 1, ZOS, PPH	0	4		
....4	5-Misc Part	521-0680-99	1	TIE WRAP, 5.6", BLACK	0	2		
....4	5-Misc Part	535-0209-02	1	WASHER, #4, LOW CARBON, SAE, ST ZN	0	4		
...3	5-Misc Part	520-0590-99	2	SCREW, #10-32 X 1/2, ZOS, PPH, EXT SEMS	0	4		
...3	5-Misc Part	521-0520-99	C	HANDLE, ALUMINUM, 5" CTC	0	2		
...3	5-Misc Part	533-0205-03	1	SCR, #6-32 X 5/16, BLK OX, INT SEMS	0	37		
...3	8-Connector/Socket	820-0619-01	C	ASY, CABLE, FAN LOOP, PNL MNT1	0	1		
...3	1-Ops/RFN Mfg	ASY-0501-06	B	CHASSIS BACKPLANE V0.6, GSM COMPLIANT	0	1		
....4	1-Ops/RFN Mfg	123-0650-00	1	LABEL, BARCODE, BLANK STOCK, 1.25 X .25	0	1		

RadioFrame Networks Proprietary

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BOM EXPLOSION REPORT

PRELIMINARY


RADIOFRAME
 NETWORKS™

Part Number 101-1009-01
Part Revision
Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...4	3-Capacitor	369-331-9M	1	CAP, 330UF, 63V, CAP, ELECTROLYTIC, 10X20(DXL MM) FOR BACKPLANE	0	4		
...4	8-Connector/Socket	804-0640-02	2	CONN, P4 TYPE A VERTICAL MALE FEED-THRU FOR BACKPLANE, 5X25, KEYED REV 1	0	11		
...4	8-Connector/Socket	804-0660-02	1	CONN, TERMINAL BLOCK, SCREWLESS, 3POS REV 1	0	4		
...4	8-Connector/Socket	806-0550-05	2	RP4 SHROUD, TYPE A FOR BACKPLANE, KEYED REV 1	0	11		
...4	Document	920-0501-06	A	FAB DRAWING, CHASSIS UNIT BACKPLANE	0	0		
...4	Document	923-0501-06	B	ASSEMBLY DRAWING, BOARD LEVEL, CHASSIS UNIT BACKPLANE	0	0		
...4	Document	928-0501-05	A	SCHEMATIC, CHASSIS UNIT BACKPLANE	0	0		
...4	1-Ops/RFN Mfg	PCB-0501-01	A	PCB, CHASSIS UNIT BACKPLANE	0	1		
..2	5-Misc Part	533-0205-03	1	SCR, #6-32 X 5/16, BLK OX, INT SEMS	0	2		
..2	8-Connector/Socket	820-0550-05	1	CABLE, CHASSIS UNIT POWER CABLE ASSEMBLY, NEG 48VDC INPUT, FILTERED	0	1		
..2	Document	910-0502-01	B	SUB-LEVEL ASSEMBLY DRAWING, 101-0502-01 (CHASSIS UNIT, -48VDC)	0	0		
.1	1-Ops/RFN Mfg	123-0500-00	D	LABEL, CHASSIS UNIT, UL/FCC/CE	0	1		
.1	5-Misc Part	510-1220-90	H	FRONT PANEL, BLANK (FACEPLATE EJECTOR)	0	3		
.1	5-Misc Part	533-0205-03	1	SCR, #6-32 X 5/16, BLK OX, INT SEMS	0	6		
.1	Document	910-1009-01		SUB-LEVEL ASY DWG, ABIC, HIGH POWER	0	0		
.1	1-Ops/RFN Mfg	FCT-0511-01	A	SPAM-HC, FUNCTIONALLY TESTED	0	6		
..2	1-Ops/RFN Mfg	123-0650-00	1	LABEL, BARCODE, BLANK STOCK, 1.25 X .25	0	1		
..2	Document	979-7511-00	3	SPAM MANUFACTURING TEST PROCEDURE	0	0		
..2	1-Ops/RFN Mfg	ASY-0511-06	C	SPAMHC V0.6	0	1		
...3	1-Ops/RFN Mfg	123-1048-00	A	LABEL, SERIAL NUMBER, SPAM	0	1		
...3	2-Resistor	200-0-0	2	RES, 0, 0402	0	24	R25-R36, R64-R75	
...3	2-Resistor	200-101-0J	B	RES, 100, +/-5%, 0402	0	8	R2, R4, R37, R38, R42-R45	
...3	2-Resistor	200-103-0J	1	RES, 10K, +/-5%, 0402	0	46	R1, R3, R5-R24, R39-R41, R46-R63, R76-R78	

RadioFrame Networks Proprietary

Created by: Andrea Bernard

BOM EXPLOSION REPORT

Part Number 101-1009-01
Part Revision
Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	3-Capacitor	310-103-1K	1	CAP, 0.01UF, 16V, X7R, +/- 10%, 0402	0	94	C2, C3, C6, C7, C10, C11, C13-C42, C44-C55, C57, C58, C61, C62, C65, C66, C68-C107	
...3	3-Capacitor	359-106-9M	1	CAP, 10UF, 4V, TANT, +/- 20%, 0805	0	13	C1, C4, C5, C8, C9, C12, C43, C56, C59, C60, C63, C64, C67	
...3	6-Semiconductor/IC	602-0620-00	1	IC, 16-BIT BUS TRANSCEIVER WITH 3-STATE OUTPUTS AND BUS-HOLD	0	1	U7	
...3	6-Semiconductor/IC	602-0740-00	1	IC, DIGITAL SIGNAL PROCESSOR	0	6	U1-U6	
...3	6-Semiconductor/IC	602-0745-00	1	IC, OCTAL BUFFERS/DRIVERS WITH 3-STATE OUTPUTS	0	1	U8	
...3	6-Semiconductor/IC	602-0750-00	1	IC, DUAL 1:5 FAST CMOS CLOCK DRIVER/BUFFER	0	1	U10	
...3	Document	920-0510-06	A	FAB DRAWING, ASY-0510-06	0	0		
...3	Document	923-0511-06	C	MECHANICAL SPECIFICATION DRAWING, SPAM, HC	0	0		
...3	Document	928-0511-06	A	SCHEMATIC, SPAMHC	0	0		
...3	1-Ops/RFN Mfg	PCB-0510-06	A	PCB, SPAM V0.6	0	1	PCB1	
..1	1-Ops/RFN Mfg	FCT-0550-02	A	CRIC, FUNCTIONALLY TESTED	0	1		
..2	1-Ops/RFN Mfg	123-0650-00	1	LABEL, BARCODE, BLANK STOCK, 1.25 X .25	0	1		
..2	Document	979-7550-00	K	CRIC FUNCTIONAL TEST PROCEDURE	0	0		
..2	1-Ops/RFN Mfg	ASY-0950-08	B	CRIC-X, V0.8	0	1		
...3	1-Ops/RFN Mfg	110-0160-00	1	AUSTIN MINILYNX SMT NON-ISOLATED DC-DC: 2.4 - 5.5VDC INPUT; 0.75VDC TO 3.3VDC OUTPUT; 3A	0	3	PS5-PS7	
...3	1-Ops/RFN Mfg	110-0165-00	1	AUSTIN MICROLYNXTM II SMT NON-ISOLATED DC-DC; 2.4 - 5.5VDC INPUT; 0.75VDC TO 3.3VDC OUTPUT; 6A	0	1	PS4	
...3	1-Ops/RFN Mfg	110-0512-00	A	DRAM 64 MB MODULE	0	1	PCB2	
...3	1-Ops/RFN Mfg	110-1210-00	B	EQW SERIES EIGHTH BRICK ISOLATED DC-DC CONVERTER; 36-75V INPUT, 3.3V, 20A OUTPUT	0	1	PS2	
...3	1-Ops/RFN Mfg	123-1031-00	1	LABEL, BARCODE, BLANK STOCK, 1.00 X .25	0	2	LABEL-BC1, LABEL-BC2	
...3	1-Ops/RFN Mfg	150-0950-00	B	CRIC-X V0.2 PRE-PROGRAMMED CLOCK DEVICE (710-0950-00 + 602-0556-00)	0	1	U17	

RadioFrame Networks Proprietary

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BOM EXPLOSION REPORT

Part Number 101-1009-01
Part Revision
Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...4	6-Semiconductor/IC	602-0556-00	1	IC, THREE-PLL SERIAL-PROGRAMMABLE FLASH-PROGRAMMABLE CLOCK GENERATOR	0	1		Alternate :For 602-0556-R00
...4	6-Semiconductor/IC	602-0556-R00	A	IC, THREE-PLL SERIAL PROG, FLASH PROG CLOCK GENERATOR, 3.3V, 16-PIN TSSOP, SMT, LEAD FREE	0	1		Referred: Lead free
...4	7-Software	710-0950-00	A	SW, CRIC-X CYPRESS PROGRAMMABLE CLOCK DEVICE JEDEC FILE, CHECKSUM = HEX A41	0	1		
...3	1-Ops/RFN Mfg	150-0950-10	A	CRIC-X V0.3 PRE-PROGRAMMED CPLD (740-0950-00 + 604-0530-00)	0	1	U7	
...4	6-Semiconductor/IC	604-0530-00	1	IC, XC9572XL HIGH PERFORMANCE CPLD	0	1		
...4	7-Software	740-0950-00	A	SW, CRIC-X CPLD .JED FILE CHECKSUM = 7924	0	1		
...3	1-Ops/RFN Mfg	150-0950-21	A	CRIC-X MC_13_0_317 PRE-PROGRAMMED BOOTPROM (730-0950-01+602-0600-00)	0	1	U9	
...4	6-Semiconductor/IC	602-0600-00	4	C, MEMORY, FLASH, CMOS, 4-MBIT 512KX8, 90NS, UNIFORM SECTOR, 3.0V, 32-PIN PLCC SMT	0	1		
...4	7-Software	730-0950-01	A	SW, CRIC-X BOOTROM .ROM FILE RFN_MC_R13.0.317 LOAD	0	1		
...3	1-Ops/RFN Mfg	150-0950-30	A	CRIC-X V0.2 PRE-PROGRAMMED COMPACT FLASH (750-0950-00 + 110-1126-00)	0	1	CF1	
...4	1-Ops/RFN Mfg	110-1126-00	A	COMPACT FLASH 64MB	0	1		
...4	7-Software	750-0950-00	A	SW, CRIC-X COMPACT FLASH	0	1		
...3	1-Ops/RFN Mfg	150-0950-40	A	CRIC-X PRE-PROGRAMMED COMPACT FLASH (750-0950-00 + 110-1127-00)	0	0		It is an alternative part to 150-0950-30
...4	1-Ops/RFN Mfg	110-1127-00	A	COMPACT FLASH 128MB	0	1		
...4	7-Software	750-0950-00	A	SW, CRIC-X COMPACT FLASH	0	1		
...3	1-Ops/RFN Mfg	150-0950-50	A	CRIC-X PRE-PROGRAMMED COMPACT FLASH (750-0950-00 + 110-1128-00)	0	0		It is an alternative part to 150-0950-30
...4	1-Ops/RFN Mfg	110-1128-00	A	COMPACT FLASH 256MB	0	1		
...4	7-Software	750-0950-00	A	SW, CRIC-X COMPACT FLASH	0	1		

RadioFrame Networks Proprietary

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BOM EXPLOSION REPORT

Part Number 101-1009-01
 Part Revision
 Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	2-Resistor	201-0-0	1	RES, 0, 0603	0	46	R2, R31-R33, R92, R101, R112, R139, R140, R168-R170, R174, R178, R185, R191, R194, R207, R208, R210, R254, R255, R270, R273, R280, R301, R309, R312, R334, R336, R402-R417	
...3	2-Resistor	201-100-0J	1	RES, 10, +/-5%, 0603	0	4	R155, R165, R166, R182	
...3	2-Resistor	201-1002-0F	1	RES, 10.0K, +/-1%, 0603	0	1	R150	
...3	2-Resistor	201-1003-0F	1	RES, 100K, 1%, 0603	0	3	R125, R129, R392	
...3	2-Resistor	201-101-0J	1	RES, 100, +/-5%, 0603	0	12	R73, R156, R229, R230, R237, R285, R286, R295, R304, R340-R342	
...3	2-Resistor	201-102-0J	1	RES, 1K, +/-5%, 0603	0	72	R6, R8, R23, R41, R42, R47, R49, R51, R52, R63, R78, R79, R90, R109-R111, R121, R123, R124, R127, R136, R143, R144, R151, R157-R159, R164, R167, R176, R177, R180, R181, R183, R193, R196, R199, R212, R213, R216, R219, R228, R241, R257, R258, R264, R266, R278, R279, R281-R284, R302, R307, R311, R317, R320, R321, R332, R333, R338, R344, R356, R363-R366, R370, R380, R383, R400	

RadioFrame Networks Proprietary

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BOM EXPLOSION REPORT

Part Number 101-1009-01
Part Revision
Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	2-Resistor	201-103-0J	1	RES, 10K, +/-5%, 0603	0	33	R9-R13, R24, R45, R57, R84, R106, R126, R179, R189, R190, R195, R238, R245, R246, R250, R261, R262, R269, R274, R276, R287, R297, R303, R306, R316, R322, R335, R339, R401	
...3	2-Resistor	201-105-0J	1	RES, 1M, +/-5%, 0603	0	1	R385	
...3	2-Resistor	201-1243-0F	1	RES, 124K, +/-1%, 0603	0	2	R122, R130	
...3	2-Resistor	201-1271-0F	1	RES, 1.27K, 1%, 0603	0	1	R357	
...3	2-Resistor	201-1472-0F	1	RES, 14.7K, 1%, 0603	0	1	R367	
...3	2-Resistor	201-151-0J	1	RES, 150, +/-5%, 0603	0	4	R384, R386, R388, R391	
...3	2-Resistor	201-222-0J	1	RES, 2.2K, +/-5%, 0603	0	3	R20, R209, R395	
...3	2-Resistor	201-241-0J	1	RES, 240, +/-5%, 0603	0	8	R222, R226, R234, R242, R247, R337, R369, R399	
...3	2-Resistor	201-2800-0F	1	RES, 280, +/-1%, 0603	0	5	R61, R173, R187, R310, R371	
...3	2-Resistor	201-2R7-0J	1	RES, 2.7, +/-5%, 0603	0	1	R359	
...3	2-Resistor	201-3163-0F	1	RES, 316K, 1%, 0603	0	1	R389	

RadioFrame Networks Proprietary

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BOM EXPLOSION REPORT

Part Number 101-1009-01
 Part Revision
 Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	2-Resistor	201-330-0J	1	RES, 33, +/-5%, 0603	0	70	R14-R19, R25-R29, R35, R55, R56, R58-R60, R62, R65, R83, R94, R104, R120, R138, R141, R142, R175, R198, R200-R202, R205, R206, R214, R215, R217, R218, R220, R221, R223-R225, R227, R231-R233, R235, R236, R239, R240, R243, R244, R248, R249, R251, R253, R263, R267, R271, R294, R305, R308, R352, R372, R376, R377, R379, R382, R396, R397	
...3	2-Resistor	201-331-0J	1	RES, 330, +/-5%, 0603	0	15	R34, R75, R77, R85, R86, R88, R89, R116, R118, R289, R293, R329, R347, R351, R373	
...3	2-Resistor	201-4022-0F	1	RES, 40.2K, 1%, 0603	0	2	R211, R387	
...3	2-Resistor	201-471-0J	1	RES, 470, +/-5%, 0603	0	5	R68-R72	
...3	2-Resistor	201-472-0J	1	RES, 4.7K, +/-5%, 0603	0	44	R46, R54, R66, R67, R74, R80-R82, R91, R95, R97, R98, R100, R107, R108, R115, R119, R128, R160, R161, R172, R184, R192, R197, R203, R204, R256, R260, R272, R277, R313-R315, R318, R319, R323, R345, R354, R355, R360, R361, R368, R378, R398	

RadioFrame Networks Proprietary

Created by: Andrea Bernard

BOM EXPLOSION REPORT



Part Number 101-1009-01
 Part Revision
 Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER

PRELIMINARY



Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	2-Resistor	201-4990-0F	1	RES, 499, +/-1%, 0603	0	1	R394	
...3	2-Resistor	201-4992-0F	1	RES, 49.9K, +/-1%, 0603	0	1	R393	
...3	2-Resistor	201-49R9-0F	1	RES, 49.9, +/-1%, 0603	0	20	R76, R105, R117, R131, R132, R288, R291, R292, R299, R300, R324, R330, R331, R346, R349, R350, R358, R362, R374, R375	
...3	2-Resistor	201-5232-0F	1	RES, 52.3K, +/-1%, 0603	0	1	R152	
...3	2-Resistor	201-5493-0F	1	RES, 549K, +/-1%, 0603	0	1	R154	
...3	2-Resistor	201-6491-0F	1	RES, 6.49K, +/-1%, 0603	0	1	R153	
...3	2-Resistor	201-6981-0F	1	RES, 6.98K, 1%, 0603	0	1	R188	
...3	2-Resistor	202-100-0J	1	RES, 10, +/-5%, 0805	0	2	R64, R103	
...3	2-Resistor	204-0-0	1	RES, 0, 1206	0	2	R1, R137	
...3	2-Resistor	204-103-0J	1	RES, 10K, +/-5%, 1206	0	4	R146-R149	
...3	2-Resistor	259-R005-0F	1	RES, 0.005, +/-1%, 2512	0	3	R4, R5, R7	
...3	2-Resistor	271-102-1J	1	RESNET, 1K, +/-5%, 3.2X1.6MM	0	15	RN1-RN6, RN27, RN31, RN33, RN36, RN37, RN78, RN80, RN82, RN88	
...3	2-Resistor	271-103-1J	1	RESNET, 10K, +/-5%, 3.2X1.6MM	0	3	RN17, RN42, RN72	
...3	2-Resistor	271-220-1J	1	RESNET, 22, +/-5%, 3.2X1.6MM	0	26	RN7-RN11, RN15, RN16, RN18, RN19, RN24, RN26, RN38- RN41, RN59- RN63, RN65, RN71, RN73, RN74, RN89, RN90	
...3	2-Resistor	271-390-1J	1	RESNET, 39, +/-5%, 3.2X1.6MM	0	6	RN14, RN22, RN23, RN68, RN69, RN76	
...3	2-Resistor	271-472-1J	1	RESNET, 4.7K, +/-5%, 3.2X1.6MM	0	18	RN12, RN43- RN58, RN64	

RadioFrame Networks Proprietary

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BOM EXPLOSION REPORT

Part Number 101-1009-01
Part Revision
Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	2-Resistor	271-49R9-1F	A	RESISTOR NETWORK, 1% 49.9 OHM, 3.2X1.6MM	0	22	RN13, RN20, RN21, RN25, RN28-RN30, RN32, RN34, RN35, RN66, RN67, RN70, RN75, RN77, RN79, RN81, RN83-RN87	
...3	3-Capacitor	301-121-5J	1	CAP, 120PF, 50V, NPO, +/- 5%, 0603	0	6	C189, C199, C315, C466, C512, C519	
...3	3-Capacitor	301-221-5K	1	CAP, 220PF, 50V, NPO, +/- 10%, 0603	0	2	C149, C532	
...3	3-Capacitor	301-471-5J	1	CAP, 470PF, 50V, NPO, +/- 5%, 0603	0	70	C50, C54, C60, C78, C89, C210, C214, C219, C221, C222, C231, C232, C239, C252, C255-C257, C262, C263, C265-C267, C271, C279, C282, C284, C285, C298, C299, C305, C317, C324, C328, C329, C334, C337, C340, C361, C366, C369, C394, C401, C409-C411, C418, C444, C464, C471, C474, C492, C493, C496-C501, C511, C521, C523, C525, C526, C531, C536-C541	

RadioFrame Networks Proprietary

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BOM EXPLOSION REPORT

Part Number 101-1009-01
 Part Revision
 Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER

PRELIMINARY

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...3	3-Capacitor	311-102-1M	1	CAP, 1000PF, 16V, X7R, +/- 20%, 0603	0	68	C46, C69, C79, C85, C104, C180, C191, C196, C198, C211, C212, C218, C223, C226, C228-C230, C240, C242, C244, C248, C250, C251, C258-C260, C275, C278, C289, C292, C297, C306, C312-C314, C316, C318, C320, C321, C325, C327, C331, C332, C335, C341, C342, C344, C347-C349, C359, C365, C379, C382, C388, C390, C396, C400, C406, C422, C450, C462, C463, C465, C472, C476, C479, C489	

RadioFrame Networks Proprietary

Created by: Andrea Bernard

BOM EXPLOSION REPORT**RADIOFRAME**
NETWORKS

Part Number 101-1009-01
 Part Revision
 Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	3-Capacitor	311-103-3K	1	CAP, 0.01UF, 25V, X7R, +/- 10%, 0603	0	71	C56, C64, C86, C87, C125, C160, C167, C170-C172, C176, C179, C183, C184, C204-C206, C208, C273, C300, C308, C311, C319, C322, C323, C326, C330, C339, C343, C352, C355, C357, C368, C374, C378, C380, C381, C386, C387, C389, C392, C398, C404, C414, C417, C424, C435-C439, C441, C445, C449, C461, C468, C469, C477, C480, C482, C486, C488, C491, C495, C503-C505, C509, C520, C522, C524	
...3	3-Capacitor	311-103-6K	1	CAP, 0.01UF, 0603, 10%, X7R, 100V	0	2	C151, C152	

RadioFrame Networks Proprietary

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BOM EXPLOSION REPORT

Part Number 101-1009-01
Part Revision
Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	3-Capacitor	311-104-1M	1	CAP, 0.1UF, 16V, X7R, +/- 20%, 0603	0	118	C1, C19, C29, C31, C32, C35, C38, C43, C48, C59, C61-C63, C68, C72, C73, C76, C88, C91, C103, C108, C109, C113, C115, C116, C120, C121, C123, C124, C130, C134, C137, C142, C144-C146, C153, C168, C169, C173, C174, C177, C178, C181, C182, C187, C188, C190, C194, C195, C197, C200, C201, C209, C213, C217, C224, C225, C233-C235, C237, C238, C241, C245, C249, C253, C254, C268, C270, C277, C281, C286, C288, C290, C301, C302, C304, C307, C309, C310, C338, C346, C358, C360, C370, C371, C375, C395, C399, C402, C403, C405, C415, C419, C421, C425, C434, C448, C475, C490, C494, C502, C506-C508, C510, C516-C518, C528- C530, C533-C535, C542, C543	

RadioFrame Networks Proprietary

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BOM EXPLOSION REPORT

Part Number 101-1009-01
 Part Revision
 Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER

PRELIMINARY

RADIOFRAMETM
 NETWORKS

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	3-Capacitor	311-331-5K	1	CAP, 330PF, 50V, X7R, +/- 10%, 0603	0	92	C47, C49, C55, C70, C105, C202, C203, C207, C215, C216, C220, C227, C236, C243, C246, C247, C261, C264, C269, C272, C274, C276, C280, C283, C287, C291, C293-C296, C303, C333, C336, C345, C350, C351, C353, C354, C356, C362-C364, C367, C372, C373, C376, C377, C383-C385, C391, C393, C397, C407, C408, C412, C413, C416, C420, C423, C426-C433, C440, C442, C443, C446, C447, C451-C460, C467, C470, C473, C478, C481, C483-C485, C487	
...3	3-Capacitor	312-153-6K	1	CAP, 15NF, 100V, 0805, X7R, 10%, NP	0	1	C163	
...3	3-Capacitor	312-474-3K	1	CAP, 470NF, 25V, X7R, +/- 10%, 0805	0	1	C6	
...3	3-Capacitor	314-104-6M	1	CAP, 0.1UF, 100V, X7R, +/- 20%, 1206	0	2	C2, C162	
...3	3-Capacitor	314-105-1K	1	CAP, 1UF, 16V, X7R, +/-10%, 1206	0	6	C23, C40, C83, C122, C135, C164	
...3	3-Capacitor	314-105-3K	1	CAP, 1UF, 25V, X7R, +/-10%, 1206	0	4	C17, C36, C106, C150	
...3	3-Capacitor	314-225-0K	1	CAP, 2.2UF, 10V, X7R, +/- 10%, 1206	0	4	C66, C67, C81, C82	
...3	3-Capacitor	316-332-9M	2	CAP, 1812 SIZE, 1500V, 3300PF HIGH VOLTAGE MLC CAP	0	2	C161, C166	
...3	3-Capacitor	319-155-6K	1	CAP, 1.5UF, 100V, X7R, +/- 10%, 1825, DOUBLE TERMINATED	0	6	C154-C159	
...3	3-Capacitor	334-106-3Z	1	CAP, 10UF, 25V, Y5V, +80%- 20%, 1206	0	5	C21, C39, C92, C111, C148	

RadioFrame Networks Proprietary

Created by: Andrea Bernard

BOM EXPLOSION REPORT



Part Number 101-1009-01
 Part Revision
 Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER



Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	3-Capacitor	350-105-1K	1	CAP, 1UF, 16V, TANT, +/- 10%, 3216	0	1	C133	
...3	3-Capacitor	350-225-1M	1	CAP, 2.2UF, 16V, TANT, +/- 20%, 3216	0	1	C110	
...3	3-Capacitor	351-106-1M	1	CAP, 10UF, 16V, TANT, +/- 20%, 3528	0	45	C7-C10, C14-C16, C20, C26, C28, C37, C41, C44, C45, C51-C53, C57, C58, C65, C71, C74, C75, C80, C90, C93-C98, C100, C101, C107, C112, C114, C118, C119, C127-C129, C131, C132, C139, C143	
...3	3-Capacitor	355-337-9M	1	CAP, SOLID TANT CHIP CAP, 330UF, 6.3V, 0.06 ESR, +/- 20%	0	5	C24, C42, C77, C126, C140	
...3	3-Capacitor	357-476-4M	1	CAP, 47UF, 35V, TANT, +/- 20%, 7343H	0	9	C22, C27, C30, C33, C84, C99, C102, C141, C147	
...3	3-Capacitor	391-105-9K	1	CAP, 1UF, 0603, 10%, X5R, 6.3V	0	4	C513-C515, C527	
...3	3-Capacitor	399-101-9M	2	CAP, 100UF, 63V, 10X10 MM UR SERIES ALUMINUM ELECTROLYTIC CAP	0	1	C3	
...3	3-Capacitor	399-470-9M	2	CAP, 47UF, 63V, 8X10MM UR SERIES ALUMINUM ELECTROLYTIC CAP	0	0	C4	Alternate for 399-471-R9M
...3	3-Capacitor	399-470-R9M	A	CAP, 47UF, 63V, ALUM ELECT, +/-20%, 8X10, SMT, LEAD FREE	0	1	C4	Referred: Lead Free
...3	3-Capacitor	399-471-9M	4	CAP, 470UF, 6.3V, +/-20%, F12	0	0	C5, C11-C13, C136	Alternate for 399-471-R9M
...3	3-Capacitor	399-471-R9M	A	CAP, ALUM ELEC, CONDUCTIVE POLYMER, 470UF, 6.3V, +/-20%, F8, SMT, LEAD FREE	0	5	C5, C11-C13, C136	Referred: Lead Free
...3	3-Capacitor	399-681-9M	2	CAP, 680UF, 4V, +/-20%, F12	0	4	C25, C34, C117, C138	
...3	4-Inductor	499-182-09	1	IND, 1.8UH, 30%, 10.4A, SMD MAGNETICALLY SHIELDED FIXED INDUCTOR	0	1	L3	
...3	4-Inductor	499-4R7-0M	3	IND, 4.7UH, 5.5A, SMT LOW PROFILE, HIGH CURRENT POWER INDUCTOR	0	1	L2	
...3	4-Inductor	499-7680-00	1	IND, COMMON MODE CHOKE, 4.7A, ~768UH, LCCI-50 PACKAGE	0	1	L1	
...3	5-Misc Part	501-0510-00	B	BEAD, FERRITE, SINGLE CIRCUIT, MONO, 600 OHM, 200MA, 0603, SMT	0	1	FB13	
...3	5-Misc Part	501-0530-00	3	SMT3.0A MAX. FERRITE BEAD	0	23	FB1-FB12, FB14-FB24	

RadioFrame Networks Proprietary

Created by: Andrea Bernard

BOM EXPLOSION REPORT

Part Number 101-1009-01
Part Revision
Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER



Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	5-Misc Part	504-0010-00	1	3.3V, 5X7MM 50MHZ VCXO	0	1	U12	
...3	5-Misc Part	504-0640-00	4	3.3V TCVCXO 10MHZ CLOCK OSCILLATOR	0	1	Y1	
...3	5-Misc Part	507-0500-00	1	RIGHT ANGLE, SPST, SMT SWITCH	0	1	SW3	
...3	5-Misc Part	507-0515-00	1	ULTRA MINI SMT HALF PITCH DIP SWITCH, 4-POS REV 1	0	1	SW2	
...3	5-Misc Part	508-0500-00	1	SMF OMNI-BLOK FUSE BLOCK W/ 2A SLO-BLO	0	1	F1	
...3	5-Misc Part	509-0511-05	1	40MM X 40MM ALUMINUM HEATSINK, 0.53" HIGH	0	1	H2	
...3	5-Misc Part	509-0531-00	1	HEATSINK, EXTRUDED AL 1.19 SQ. X .28 BLK W/PSA	0	1	UH1	
...3	5-Misc Part	509-0541-05	A	HEATSINK, 23MM X 23MM, 10MM HIGH	0	2	H3, H4	
...3	5-Misc Part	510-1218-11	3	EJECTOR/INJECTOR, LEFT	0	1	EJECT2	
...3	5-Misc Part	510-1218-21	3	EJECTOR/INJECTOR, RIGHT	0	1	EJECT1	
...3	5-Misc Part	510-1220-80	H	FRONT PANEL, CRIC-X (FACEPLATE EJECTOR)	0	1	FP1	
...3	5-Misc Part	520-0570-99	1	SCREW, #4-40 X 1/4, SS, PPH, INT SEMS	0	3	SCREW3-SCREW5	
...3	5-Misc Part	521-0600-99	1	HEX, STANDOFF, M/F, #4-40, 3/16 X 3/16	0	2	SCREW1, SCREW2	
...3	5-Misc Part	536-0403-42	1	SPACER, .25 O.D. X .171 I.D. X .1875 L, NYLON	0	2	SPACER1, SPACER2	
...3	6-Semiconductor/IC	600-0550-00	B	XSTR, N-CHANNEL REDUCED Q, FAST SWITCHING MOSFET	0	1	Q6	
...3	6-Semiconductor/IC	600-0551-00	B	XSTR, P-CHANNEL REDUCED Q, FAST SWITCHING MOSFET	0	1	Q5	
...3	6-Semiconductor/IC	601-0520-00	1	DIODE, SWITCHING DIODE	0	11	D4-D14	
...3	6-Semiconductor/IC	601-0540-00	1	DIODE, 1A SURFACE MOUNT GLASS PASSIVATED RECTIFIER	0	0	D3	Alternate to 601-0540-R00
...3	6-Semiconductor/IC	601-0540-R00	B	DIODE, RECTIFIER, GLASS PASSV, 100VRWM, 1.0A, SMA SMT, LEAD FREE	0	1	D3	Preferred: Lead Free
...3	6-Semiconductor/IC	601-0590-00	1	DIODE, 1W, 68V ZENER, SMA	0	1	D2	
...3	6-Semiconductor/IC	602-0010-00	2	IC, SINGLE BUS BUFFER GATE W/ 3 STATE OUTPUT	0	3	U20, U27, U43	
...3	6-Semiconductor/IC	602-0511-00	1	IC, 3.3V CMOS 1-TO-10 CLOCK DRIVER, ENHANCED SPECS OVER 602-0510-00	0	2	U13, U21	
...3	6-Semiconductor/IC	602-0543-00	1	IC, STRATA SWITCH II INTEGRATED MULTILAYER SWITCH, 24 + 2	0	1	U35	
...3	6-Semiconductor/IC	602-0565-00	B	IC, 266MHZ MPC8241 INTEGRATED POWERPC PROCESSOR	0	1	U26	

RadioFrame Networks Proprietary

Created by: Andrea Bernard

BOM EXPLOSION REPORT

Part Number 101-1009-01
Part Revision
Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	6-Semiconductor/IC	602-0570-00	1	IC, QUADRUPLE BUS BUFFER GATE WITH 3-STATE OUTPUTS	0	1	U42	
...3	6-Semiconductor/IC	602-0580-00	1	IC, QUADRUPLE 2-INPUT POSITIVE-AND GATE	0	1	U23	
...3	6-Semiconductor/IC	602-0590-00	3	IC, I2C 8KB EEPROM	0	1	U11	
...3	6-Semiconductor/IC	602-0650-00	1	IC, OCTAL BUFFER/DRIVER WITH 3-STATE OUTPUTS	0	4	U15, U16, U19, U29	
...3	6-Semiconductor/IC	602-0691-00	1	IC, SINGLE GATE HEX INVERTER	0	4	U28, U38-U40	
...3	6-Semiconductor/IC	602-0797-00	1	IC, OCTAL 10/100-BASE TX TRANSCEIVER WITH SMII	0	1	U34	
...3	6-Semiconductor/IC	602-0807-00	1	IC, PRECISION SIX SUPPLY MONITOR	0	1	U37	
...3	6-Semiconductor/IC	602-0810-00	1	IC, 3.3V DUAL UART W/ 64 BYTE FIFO	0	1	U4	
...3	6-Semiconductor/IC	602-0815-00	2	IC, 3.3V MONITOR W/ WATCHDOG AND PB INPUT	0	1	U32	
...3	6-Semiconductor/IC	602-0820-00	1	IC, DIGITAL 2-WIRE TEMPERATURE SENSOR	0	2	U6, U30	
...3	6-Semiconductor/IC	602-0825-00	1	IC, 4-PIN PHOTOTRANSISTOR OPTOCOUPLER	0	2	ISO3, ISO4	
...3	6-Semiconductor/IC	602-0835-00	2	IC, ±15KV ESD-PROTECTED, DOWN TO 10NA, UP TO 1MBPS, 3.0V/5V, TRUE RS-232 TRANSCEIVERS	0	1	U25	
...3	6-Semiconductor/IC	602-0840-00	2	IC, 64MBIT 512K X 32 X 4 BANKS SDRAM	0	4	U46, U48-U50	
...3	6-Semiconductor/IC	602-0940-00	1	IC, LITTLE LOGIC SINGLE POSITIVE-EDGE-TRIGGERED D-TYPE FLIP-FLOP	0	4	U24, U41, U54, U55	
...3	6-Semiconductor/IC	602-0980-00	1	IC, SINGLE GATE INVERTER, SOT-23	0	2	U45, U47	
...3	6-Semiconductor/IC	602-0990-00	1	IC, SINGLE BUS BUFFER GATE WITH 3-STATE OUTPUTS	0	1	U18	
...3	6-Semiconductor/IC	603-0554-00	1	IC, XC3S200 SPARTAN III FPGA, PQFP 208 PIN PKG, STANDARD SPEED	0	1	U22	
...3	6-Semiconductor/IC	603-0575-R00	A	IC, REGULATOR, DDR TERMINATION, LEAD-FREE	0	1	U33	
...3	6-Semiconductor/IC	603-0605-00	1	IC, 2.7-V TO 5.5-V LOW-POWER DUAL 12-BIT DIGITAL-TO-ANALOG CONVERTER	0	1	U52	

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BOM EXPLOSION REPORT**PRELIMINARY****RADIOFRAME™**
NETWORKS

Part Number 101-1009-01
Part Revision
Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	6-Semiconductor/IC	603-0610-00	1	IC, PRECISION RAIL-TO-RAIL INPUT AND OUTPUT OPERATIONAL AMPLIFIER	0	2	U14, U53	
...3	6-Semiconductor/IC	603-0650-00	1	IC, HEXFET POWER MOSFET, 100V, 17A, 0.11-OHM	0	1	Q1	
...3	6-Semiconductor/IC	603-0880-00	1	IC, NEGATIVE 48V HOT SWAP CONTROLLER, PWGOOD LOW	0	1	U1	
...3	6-Semiconductor/IC	603-0885-00	1	IC, DUAL CHANNEL HOT SWAP CONTROLLER / POWER SEQUENCER	0	2	U3, U8	
...3	6-Semiconductor/IC	603-0890-00	1	IC, NO RSENSE SYNCHRONOUS STEP-UP DC/DC CONTROLLER	0	1	U51	
...3	6-Semiconductor/IC	603-0895-00	1	IC, HEXFET POWER MOSFET, 30V, 0.011-OHM, 13A	0	3	Q2-Q4	
...3	6-Semiconductor/IC	603-1000-00	1	IC, 3.3V VOLTAGE REGULATOR, SOT223	0	1	U44	
...3	6-Semiconductor/IC	604-0553-00	1	IC, XC3S200 SPARTAN III FPGA, TQFP 144 PIN PKG, STANDARD SPEED	0	2	U31, U36	
...3	8-Connector/Socket	803-0010-00	1	CONN, COMPACTFLASH PIN HEADER ASSEMBLY, 50 POS, SMT, TOP MOUNT, LOW PROFILE	0	1	J2	
...3	8-Connector/Socket	803-0520-00	C	CONN, SO-DIMM	0	1	J4	
...3	8-Connector/Socket	803-0530-00	1	CONN, PLCC32 SOCKET	0	1	J3	
...3	8-Connector/Socket	803-0540-00	1	CONN, 2 X 8 VERTICAL DOUBLE ROW, SMT, 0.1X0.1	0	1	J5	
...3	8-Connector/Socket	803-0690-02	1	CONN, 1X3 HEADER, .025 SQ. POST, .100 CENTERLINE, SINGLE ROW	0	2	J8, J10	
...3	8-Connector/Socket	803-0750-00	2	CONN, 2 X 7 VERTICAL DOUBLE ROW, SMT, 2MM SPACING	0	1	J7	
...3	8-Connector/Socket	804-0510-02	1	CONN, RIGHT ANGLE DB-9 THROUGH HOLE RECEPTACLE	0	1	J6	
...3	8-Connector/Socket	804-0630-02	2	CONN, J4 TYPE A RT ANGLE FEMALE EDGE CONNECTOR, 5X25, KEYED	0	4	P1-P4	
...3	8-Connector/Socket	804-0735-02	1	CONN, 1X4 MAG45, SHIELDED 10/100BASE-T QUAD MAGNETICS/RJ-45 CONNECTOR W/ DUAL GREEN LEDS	0	0	J1, J9	Alternate part for 804-0735-R02
...3	8-Connector/Socket	804-0735-R02	A	CONN, JACK, RJ-45, RA, 1X4 8-P 1:1, 10/100BASE-T, MAG QUAD 726 CIRC, A-MDIX, GRN/GRN LEDS, SHLD, G-T	0	2	J1, J9	

RadioFrame Networks Proprietary

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BOM EXPLOSION REPORT

Part Number 101-1009-01
 Part Revision
 Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	8-Connector/Socket	804-0745-R02	A	CONN, 1X4 MAG45, SHIELDED 10/100BASE-T QUAD MAGNETICS/RJ-45 CONNECTOR W/ DUAL GREEN LEDS W/O R	0	0	J1, J9	
...3	8-Connector/Socket	830-0510-00	2	LED, SUPER-RED HYPER CHIPLED 0805	0	2	CR4, CR9	
...3	8-Connector/Socket	830-0520-00	2	LED, GREEN CHIPLED 0805	0	6	CR1-CR3, CR5-CR7	
...3	8-Connector/Socket	830-0530-02	1	LED, RED/GREEN BI-LEVEL, R/A, HOUSED, LED	0	1	CR8	
...3	Document	920-0950-05	A	FAB DRAWING, CRIC-X	0	0		
...3	Document	923-0950-05	A	ASSEMBLY DRAWING, BOARD LEVEL, CRIC-X	0	0		
...3	Document	928-0950-08	A	SCHEMATIC, CRIC-X V.08	0	0		
...3	1-Ops/RFN Mfg	PCB-0950-05	A	PCB, CRIC-X, V05	0	1	PCB1	
...4	Document	924-0950-05	A	PADS DATABASE, PCB, CRIC-X	0	0		
...4	Document	925-0950-05	A	GERBER FILES, PCB, CRIC-X	0	0		
...4	Document	926-0950-05	A	DRILL AND TRIM DRAWING, PCB, CRIC-X	0	0		
...1	1-Ops/RFN Mfg	FCT-0562-01	A	ERTM, FUNCTIONALLY TESTED	0	1		
...2	1-Ops/RFN Mfg	123-0650-00	1	LABEL, BARCODE, BLANK STOCK, 1.25 X .25	0	1		
...2	Document	979-7560-01	B	XERTM FUNCTIONAL TEST PROCEDURE	0	0		
...2	1-Ops/RFN Mfg	ASY-0562-07	A	ERTM V0.7	0	1		
...3	1-Ops/RFN Mfg	123-0680-02	1	LABEL STOCK, 1/2 X 2, WHITE BLANK, SERIAL/PN/MAC ADDRESS	0	1		
...3	1-Ops/RFN Mfg	123-1031-00	1	LABEL, BARCODE, BLANK STOCK, 1.00 X .25	0	1		
...3	2-Resistor	201-0-0	1	RES, 0, 0603	0	11	R61, R78, R81, R97, R132, R194, R208, R212, R214, R216, R288	
...3	2-Resistor	201-101-0J	1	RES, 100, +/-5%, 0603	0	8	R6, R12, R38, R45, R110, R121, R174, R182	

RadioFrame Networks Proprietary

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BOM EXPLOSION REPORT



Part Number 101-1009-01
 Part Revision
 Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER

PRELIMINARY



Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	2-Resistor	201-102-0J	1	RES, 1K, +/-5%, 0603	0	38	R5, R11, R37, R44, R49, R52, R58, R60, R70, R72, R106, R109, R111, R112, R120, R124, R126, R135, R136, R144, R148, R156, R159, R163, R166, R173, R181, R191, R193, R195, R197, R200, R203, R205-R207, R227, R253	
...3	2-Resistor	201-103-0J	1	RES, 10K, +/-5%, 0603	0	3	R48, R175, R176	
...3	2-Resistor	201-1241-0F	1	RES, 1.24K, +/-1%, 0603	0	1	R100	
...3	2-Resistor	201-151-0J	1	RES, 150, +/-5%, 0603	0	2	R41, R46	
...3	2-Resistor	201-220-0J	1	RES, 22, +/-5%, 0603	0	81	R53-R56, R67, R68, R71, R73-R77, R79, R80, R83, R85, R89, R90, R93, R101-R104, R114-R117, R122, R123, R125, R127, R128, R130, R139, R140, R143, R145, R147, R150, R151, R153, R158, R161, R162, R164, R165, R167, R168, R170, R196, R198, R201, R204, R209, R211, R213, R228-R252	
...3	2-Resistor	201-241-0J	1	RES, 240, +/-5%, 0603	0	16	R7, R13-R15, R28, R29, R31, R50, R98, R129, R131, R133, R154, R157, R160, R177	
...3	2-Resistor	201-2R7-0J	1	RES, 2.7, +/-5%, 0603	0	1	R99	
...3	2-Resistor	201-331-0J	1	RES, 330, +/-5%, 0603	0	1	R1	
...3	2-Resistor	201-472-0J	1	RES, 4.7K, +/-5%, 0603	0	11	R47, R62, R65, R66, R69, R84, R86, R92, R215, R217, R220	

RadioFrame Networks Proprietary

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BOM EXPLOSION REPORT

Part Number 101-1009-01
 Part Revision
 Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER



Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	2-Resistor	201-49R9-0F	1	RES, 49.9, +/-1%, 0603	0	36	R16-R20, R22, R23, R25, R59, R87, R88, R96, R134, R137, R138, R141, R146, R149, R152, R155, R183-R190, R218, R219, R221-R226	
...3	2-Resistor	201-512-0J	1	RES, 5.1K, +/-5%, 0603	0	2	R82, R91	
...3	2-Resistor	201-750-0J	1	RES, 75, +/-5%, 0603	0	32	R255-R286	
...3	3-Capacitor	301-471-5J	1	CAP, 470PF, 50V, NPO, +/-5%, 0603	0	22	C9, C15, C27, C29, C32, C33, C37, C41, C44, C45, C51, C55, C56, C60, C68, C72, C75, C81, C83, C84, C86, C105	
...3	3-Capacitor	311-102-1M	1	CAP, 1000PF, 16V, X7R, +/-20%, 0603	0	25	C1, C5, C13, C16, C20, C25, C26, C36, C40, C42, C43, C50, C53, C57, C59, C69, C71, C76, C89, C92, C101, C103, C104, C107, C108	
...3	3-Capacitor	311-103-1M	1	CAP, 0.01UF, 16V, X7R, +/-20%, 0603	0	15	C7, C8, C10, C12, C28, C30, C34, C38, C47, C61, C62, C74, C77, C80, C85	
...3	3-Capacitor	311-104-1M	1	CAP, 0.1UF, 16V, X7R, +/-20%, 0603	0	17	C3, C4, C17, C19, C22, C31, C48, C54, C58, C63-C67, C78, C88, C106	
...3	3-Capacitor	319-103-9K	1	CAP, 0.01UF, 2000V, X7R, +/-10%, 2225	0	12	C95-C98, C116, C124, C125, C130, C141, C158-C160	
...3	3-Capacitor	350-105-1K	1	CAP, 1UF, 16V, TANT, +/-10%, 3216	0	11	C2, C6, C18, C21, C24, C39, C52, C70, C73, C87, C91	
...3	3-Capacitor	350-225-1M	1	CAP, 2.2UF, 16V, TANT, +/-20%, 3216	0	1	C35	
...3	3-Capacitor	351-106-1M	1	CAP, 10UF, 16V, TANT, +/-20%, 3528	0	8	C11, C14, C23, C46, C49, C82, C90, C102	
...3	5-Misc Part	501-0510-00	B	BEAD, FERRITE, SINGLE CIRCUIT, MONO, 600 OHM, 200MA, 0603, SMT	0	1	FB1	

RadioFrame Networks Proprietary

Created by: Andrea Bernard

BOM EXPLOSION REPORT

Part Number 101-1009-01
Part Revision
Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	5-Misc Part	502-0520-00	2	10/100BASE-TX TRANSFORMER MODULES FOR AUTO MDI/MDIX APPLICATIONS	0	2	T3, T10	
...3	5-Misc Part	502-0530-00	2	WIDEBAND RF TRANSFORMER	0	10	T1, T2, T4-T9, T11, T12	
...3	5-Misc Part	507-0505-02	1	SLIDE SWITCH, SPDT, RIGHT ANGLE, THRU HOLE	0	1	SW1	
...3	5-Misc Part	510-1218-11	3	EJECTOR/INJECTOR, LEFT	0	1		
...3	5-Misc Part	510-1218-21	3	EJECTOR/INJECTOR, RIGHT	0	1		
...3	5-Misc Part	510-1220-00	H	FRONT PANEL, ERTM FAMILY (FACEPLATE EJECTOR)	0	1	FP1	
...3	5-Misc Part	520-0550-99	2	NUT, JAM, 1/2-28, .093 THICK	0	2	NUT1, NUT2	
...3	5-Misc Part	520-0570-99	1	SCREW, #4-40 X 1/4, SS, PPH, INT SEMS	0	3	SCREW1-SCREW3	
...3	5-Misc Part	536-0403-42	1	SPACER, .25 O.D. X .171 I.D. X .1875 L, NYLON	0	2		
...3	6-Semiconductor/IC	602-0570-00	1	IC, QUADRUPLE BUS BUFFER GATE WITH 3-STATE OUTPUTS	0	2	U6, U17	
...3	6-Semiconductor/IC	602-0590-00	3	IC, I2C 8KB EEPROM	0	1	U22	
...3	6-Semiconductor/IC	602-0650-00	1	IC, OCTAL BUFFER/DRIVER WITH 3-STATE OUTPUTS	0	8	U8, U12, U13, U15, U16, U18-U20	
...3	6-Semiconductor/IC	602-0800-00	1	IC, OCTAL 10/100-BASE TX/FX TRANSCEIVER	0	1	U9	
...3	6-Semiconductor/IC	603-0530-00	1	IC, 3.3V ECONORESET WITH OPEN DRAIN OUTPUT	0	1	U4	
...3	6-Semiconductor/IC	603-0552-00	1	IC, HIGH SPEED COMPARATOR, RAIL TO RAIL OUTPUT, SOT23-5	0	1	U10	
...3	6-Semiconductor/IC	603-0553-00	1	IC, LMH6723, 370MHZ, 1MA, CURRENT FEEDBACK OP AMP	0	9	U1-U3, U5, U7, U11, U14, U21, U23	
...3	8-Connector/Socket	803-0650-00	1	CONN, 2X4 VERTICAL DOUBLE ROW RECEPTACLE, SMT, .0787X.0787	0	1	JP1	
...3	8-Connector/Socket	804-0600-02	1	CONN, JACK, BNC, RA, PC-MT, 50 OHM	0	2	J2, J3	
...3	8-Connector/Socket	804-0610-02	3	CONN, RJ-45 1X4, 2 LED PER, SHIELDED, 8 POS, RT ANGLE, LOW PROFILE	0	2	J5, J6	
...3	8-Connector/Socket	804-0630-02	2	CONN, J4 TYPE A RT ANGLE FEMALE EDGE CONNECTOR, 5X25, KEYED	0	2	J1, J4	
...3	8-Connector/Socket	830-0530-02	1	LED, RED/GREEN BI-LEVEL, R/A, HOUSED, LED	0	1	CR1	
...3	Document	920-0562-06	A	FAB DRAWING, ERTM	0	0		

RadioFrame Networks Proprietary

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BOM EXPLOSION REPORT

Part Number 101-1009-01
Part Revision
Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	Document	923-0562-07	A	BOARD LEVEL ASSEMBLY DRAWING, ERTM	0	0		
...3	Document	928-0560-06	A	SCHEMATIC, PERTM	0	0		
...3	1-Ops/RFN Mfg	PCB-0560-06	A	PCB, PERTM V0.6	0	1	PCB1	
.1	1-Ops/RFN Mfg	FCT-0573-01	A	BPC, FUNCTIONALLY TESTED	0	3		
..2	1-Ops/RFN Mfg	123-0650-00	1	LABEL, BARCODE, BLANK STOCK, 1.25 X .25	0	1		
..2	Document	979-7573-01	B	BPC FUNCTIONAL TEST PROCEDURE	0	0		
..2	1-Ops/RFN Mfg	ASY-0573-05	D	PCA, BPC, V0.5	0	1		
...3	1-Ops/RFN Mfg	110-0510-00	G	32MB SO DIMM MEMORY MODULE	0	1	PCB1	
...3	1-Ops/RFN Mfg	123-0680-02	1	LABEL STOCK, 1/2 X 2, WHITE BLANK, SERIAL/PN/MAC ADDRESS	0	1	LABEL-FP1	
...3	1-Ops/RFN Mfg	123-1031-00	1	LABEL, BARCODE, BLANK STOCK, 1.00 X .25	0	2	LABEL-BC1, LABEL-BC2	
...3	1-Ops/RFN Mfg	150-0520-00	1	APC V0.2/V0.3 DSP CS GEN PLD ASY - 740-0510-00 + 604-0530-00	0	1	U32	
....4	6-Semiconduct or/IC	604-0530-00	1	IC, XC9572XL HIGH PERFORMANCE CPLD	0	1		
....4	7-Software	740-0510-00	1	SW, APC V0.2/V0.3 DSP CHIP SELECT GEN PLD	0	1		
...3	1-Ops/RFN Mfg	150-0530-00	1	APC V0.2/V0.3 DSP HRDY TERM PLD ASY - 740-0520-00 + 604-0510-00	0	1	U25	
....4	6-Semiconduct or/IC	604-0510-00	1	IC, XC9572XL HIGH PERFORMANCE CPLD	0	1		
....4	7-Software	740-0520-00	1	SW, APC V0.2/V0.3 DSP HRDY TERMINATION PLD	0	1		
...3	1-Ops/RFN Mfg	150-0550-00	B	APC V0.2/V0.3 DSP HINT MUX / REGS PLD ASY - 740-0540-00 + 604-0541-00	0	1	U36	
....4	6-Semiconduct or/IC	604-0541-00	1	IC, XC95144XL HIGH PERFORMANCE CPLD	0	1		
....4	7-Software	740-0540-00	1	SW, APC V0.2/V0.3 DSP HINT MUX / REGS	0	1		
...3	1-Ops/RFN Mfg	150-0570-00	1	APC V0.3 MISC REG PLD ASY - 740-0560-00 + 604-0580-00	0	1	U19	
....4	6-Semiconduct or/IC	604-0580-00	1	IC, XC9536XL HIGH PERFORMANCE CPLD	0	1		
....4	7-Software	740-0560-00	1	SW, APC V0.3 MISC. REG PLD	0	1		
...3	1-Ops/RFN Mfg	151-0573-02	A	BPC BOOTCODE ASSEMBLY (602-0600-00 + 730-0573-02)	0	1	U53	
....4	6-Semiconduct or/IC	602-0600-00	4	C, MEMORY, FLASH, CMOS, 4-MBIT 512KX8, 90NS, UNIFORM SECTOR, 3.0V, 32-PIN PLCC SMT	0	1		

RadioFrame Networks Proprietary

Created by: Andrea Bernard

BOM EXPLOSION REPORT

Part Number 101-1009-01
Part Revision
Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER



Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...4	7-Software	730-0573-02	1	SW, BPC BOOTCODE, PLATFORM_INTEG_1.8.004	0	1		
...3	1-Ops/RFN Mfg	152-0573-10	1	PART A BPC APPLICATION SW LOAD SUB-ASSEMBLY (602-0763-00 + 750-0573-10)	0	1	U48	
...4	6-Semiconductor/IC	602-0763-00	3	IC, 3 VOLT INTEL R STRATAFLASHT MEMORY, TSOP56	0	1		
...4	7-Software	750-0573-10	1	SW, PART A BPC APPLICATION SW LOAD, PLATFORM_INTEG_1.8.004	0	1		
...3	1-Ops/RFN Mfg	152-0573-20	1	PART B BPC APPLICATION SW LOAD SUB-ASSEMBLY (602-0763-00 + 750-0573-20)	0	1	U31	
...4	6-Semiconductor/IC	602-0763-00	3	IC, 3 VOLT INTEL R STRATAFLASHT MEMORY, TSOP56	0	1		
...4	7-Software	750-0573-20	1	SW, PART B BPC APPLICATION SW LOAD, PLATFORM_INTEG_1.8.004	0	1		
...3	1-Ops/RFN Mfg	152-0573-30	1	PART C BPC APPLICATION SW LOAD SUB-ASSEMBLY (602-0763-00 + 750-0573-30)	0	1	U40	
...4	6-Semiconductor/IC	602-0763-00	3	IC, 3 VOLT INTEL R STRATAFLASHT MEMORY, TSOP56	0	1		
...4	7-Software	750-0573-30	1	SW, PART C BPC APPLICATION SW LOAD, PLATFORM_INTEG_1.8.004	0	1		
...3	1-Ops/RFN Mfg	152-0573-40	1	PART D BPC APPLICATION SW LOAD SUB-ASSEMBLY (602-0763-00 + 750-0573-40)	0	1	U35	
...4	6-Semiconductor/IC	602-0763-00	3	IC, 3 VOLT INTEL R STRATAFLASHT MEMORY, TSOP56	0	1		
...4	7-Software	750-0573-40	1	SW, PART D BPC APPLICATION SW LOAD, PLATFORM_INTEG_1.8.004	0	1		
...3	2-Resistor	201-0-0	1	RES, 0, 0603	0	21	R36, R39, R41, R42, R195, R215, R219, R240-R242, R244, R245, R247, R262, R338, R352, R370, R398, R419, R440, R488	
...3	2-Resistor	201-100-0J	1	RES, 10, +/-5%, 0603	0	1	R157	
...3	2-Resistor	201-1002-0F	1	RES, 10.0K, +/-1%, 0603	0	1	R167	
...3	2-Resistor	201-101-0J	1	RES, 100, +/-5%, 0603	0	1	R318	

RadioFrame Networks Proprietary

Created by: Andrea Bernard

BOM EXPLOSION REPORT

Part Number 101-1009-01
Part Revision
Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	2-Resistor	201-102-0J	1	RES, 1K, +/-5%, 0603	0	44	R45, R61, R118, R142, R144, R156, R158, R164, R168, R173, R189, R191, R192, R200, R204-R207, R227, R283, R288, R293, R302, R304, R313, R314, R316, R327-R329, R342, R394, R396, R401, R418, R420, R435, R441-R447	
...3	2-Resistor	201-1022-0F	1	RES, 10.2K, +/-1%, 0603	0	1	R186	

RadioFrame Networks Proprietary

Created by: Andrea Bernard

BOM EXPLOSION REPORT

Part Number 101-1009-01
 Part Revision
 Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER

PRELIMINARY

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...3	2-Resistor	201-103-0J	1	RES, 10K, +/-5%, 0603	0	171	R6, R12-R14, R16-R18, R20-R22, R24, R26-R34, R44, R52, R54, R58-R60, R64, R67, R68, R71, R73, R76-R79, R81-R83, R85-R89, R91-R93, R95-R101, R106, R107, R109-R111, R113-R115, R117, R119, R121-R130, R145, R169, R174, R176, R178, R184, R197, R203, R210, R214, R216-R218, R220, R221, R223, R236, R253-R261, R265, R266, R268-R270, R272-R274, R276, R285, R307, R308, R312, R315, R319, R325, R326, R330, R331, R333, R334, R336, R337, R339, R340, R343-R351, R353-R355, R357-R359, R361-R363, R365, R366, R371, R374, R399, R400, R409-R417, R423, R424, R426-R428, R430-R432, R434, R460, R461, R483-R485	
...3	2-Resistor	201-1241-0F	1	RES, 1.24K, +/-1%, 0603	0	2	R5, R152	
...3	2-Resistor	201-151-0J	1	RES, 150, +/-5%, 0603	0	6	R403, R405-R407, R472, R474	
...3	2-Resistor	201-1781-0F	1	RES, 1.78K, +/-1%, 0603	0	1	R159	
...3	2-Resistor	201-183-0J	1	RES, 18K, +/-5%, 0603	0	1	R137	

RadioFrame Networks Proprietary

Created by: Andrea Bernard

BOM EXPLOSION REPORT



Part Number 101-1009-01
 Part Revision
 Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER



Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	2-Resistor	201-220-0J	1	RES, 22, +/-5%, 0603	0	41	R131, R132, R179, R182, R187, R188, R193, R194, R199, R201, R208, R209, R211, R212, R222, R224-R226, R228, R278-R280, R284, R286, R291, R295, R298, R356, R360, R364, R369, R372, R384, R385, R389, R390, R425, R429, R433, R468, R2475	
...3	2-Resistor	201-221-0J	1	RES, 220, +/-5%, 0603	0	1	R1	
...3	2-Resistor	201-241-0J	1	RES, 240, +/-5%, 0603	0	7	R246, R250, R251, R263, R264, R277, R281	
...3	2-Resistor	201-243-0J	1	RES, 24K, +/-5%, 0603	0	1	R175	
...3	2-Resistor	201-2431-0F	1	RES, 2.43K, +/-1%, 0603	0	1	R147	
...3	2-Resistor	201-3011-0F	1	RES, 3.01K, +/-1%, 0603	0	2	R154, R162	
...3	2-Resistor	201-302-0J	1	RES, 3K, +/-5%, 0603	0	1	R172	
...3	2-Resistor	201-3091-0F	1	RES, 3.09K, +/-1%, 0603	0	1	R155	
...3	2-Resistor	201-333-0J	1	RES, 33K, +/-5%, 0603	0	1	R2	
...3	2-Resistor	201-3R3-0J	1	RES, 3.3, +/-5%, 0603	0	2	R11, R148	
...3	2-Resistor	201-430-0J	1	RES, 43, +/-5%, 0603	0	31	R47-R51, R102- R105, R287, R290, R292, R294, R296, R297, R303, R305, R306, R309, R317, R320-R324, R332, R437-R439, R486, R487	
...3	2-Resistor	201-472-0J	1	RES, 4.7K, +/-5%, 0603	0	17	R35, R46, R56, R57, R133, R134, R180, R181, R185, R213, R383, R388, R393, R395, R402, R421, R422	

RadioFrame Networks Proprietary

Created by: Andrea Bernard

BOM EXPLOSION REPORT

Part Number 101-1009-01
 Part Revision
 Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	2-Resistor	201-473-0J	1	RES, 47K, +/-5%, 0603	0	1	R149	
...3	2-Resistor	201-4990-0F	1	RES, 499, +/-1%, 0603	0	1	R161	
...3	2-Resistor	201-5232-0F	1	RES, 52.3K, +/-1%, 0603	0	2	R8, R9	
...3	2-Resistor	201-5493-0F	1	RES, 549K, +/-1%, 0603	0	1	R165	
...3	2-Resistor	201-563-0J	1	RES, 56K, +/-5%, 0603	0	1	R170	
...3	2-Resistor	201-5R1-0J	1	RES, 5.1, +/-5%, 0603	0	1	R151	
...3	2-Resistor	201-623-0J	1	RES, 62K, +/-5%, 0603	0	1	R141	
...3	2-Resistor	201-6491-0F	1	RES, 6.49K, +/-1%, 0603	0	1	R166	
...3	2-Resistor	201-7151-0F	1	RES, 7.15K, +/-1%, 0603	0	1	R397	
...3	2-Resistor	201-7322-0F	1	RES, 73.2K, +/-1%, 0603	0	1	R4	
...3	2-Resistor	202-100-0J	1	RES, 10, +/-5%, 0805	0	3	R136, R163, R177	
...3	2-Resistor	204-0-0	1	RES, 0, 1206	0	1	R3	
...3	2-Resistor	204-100-0J	1	RES, 10, +/-5%, 1206	0	4	R10, R139, R301, R310	
...3	2-Resistor	204-101-0J	1	RES, 100, +/-5%, 1206	0	1	R135	
...3	2-Resistor	204-152-0J	1	RES, 1.5K, +/-5%, 1206	0	2	R140, R143	
...3	2-Resistor	204-202-0J	1	RES, 2K, +/-5%, 1206	0	1	R138	
...3	2-Resistor	205-4R7-0J	1	RES, 4.7, +/-5%, 1210	0	1	R146	
...3	2-Resistor	257-R025-0F	1	RES, 0.025, +/-1%, 2010	0	1	R7	
...3	2-Resistor	271-103-1J	1	RESNET, 10K, +/-5%, 3.2X1.6MM	0	30	RN26, RN28, RN60, RN69- RN72, RN77- RN82, RN84, RN86, RN88- RN90, RN96- RN99, RN101, RN102, RN106- RN111	
...3	2-Resistor	271-220-1J	1	RESNET, 22, +/-5%, 3.2X1.6MM	0	23	RN17, RN19- RN24, RN27, RN35, RN37- RN43, RN51, RN53, RN55, RN92-RN95	

RadioFrame Networks Proprietary

Created by: Andrea Bernard

BOM EXPLOSION REPORT

Part Number 101-1009-01
 Part Revision
 Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	2-Resistor	271-390-1J	1	RESNET, 39, +/-5%, 3.2X1.6MM	0	27	RN1-RN3, RN18, RN25, RN36, RN44, RN56- RN59, RN75, RN76, RN83, RN85, RN87, RN91, RN112- RN115, RN120, RN121, RN123, RN124, RN148, RN149	
...3	2-Resistor	294-103-0K	C	THERMISTOR, NEGATIVE TEMPERATURE COEFFICIENT, 10K, +/-10%, 1206	0	1	RT1	
...3	3-Capacitor	301-102-3K	1	CAP, 1000PF, 25V, NPO, +/- 10%, 0603	0	39	C44, C47, C48, C51, C52, C71, C73, C92, C103, C107, C135, C160, C198, C202, C204, C206, C213, C215, C220, C223, C231, C232, C236, C237, C242, C247, C255, C263, C265, C269, C271, C327, C328, C337, C339, C341, C343, C345, C347	
...3	3-Capacitor	301-221-5K	1	CAP, 220PF, 50V, NPO, +/- 10%, 0603	0	2	C7, C13	

RadioFrame Networks Proprietary

Created by: Andrea Bernard

BOM EXPLOSION REPORT

Part Number 101-1009-01
Part Revision
Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	3-Capacitor	301-471-5J	1	CAP, 470PF, 50V, NPO, +/- 5%, 0603	0	65	C46, C49, C50, C55, C60-C62, C64, C66, C67, C70, C79-C83, C85, C87-C90, C95, C98, C99, C101, C108, C115, C117, C118, C127, C133, C197, C199, C201, C205, C207-C212, C214, C217, C227, C234, C239, C240, C246, C249, C251, C256, C259, C273, C274, C287, C326, C329-C331, C338, C340, C342, C344, C346, C348	
...3	3-Capacitor	301-820-3K	1	CAP, 82PF, 25V, NPO, +/- 10%, 0603	0	1	C11	
...3	3-Capacitor	311-103-1M	1	CAP, 0.01UF, 16V, X7R, +/- 20%, 0603	0	9	C27, C93, C177, C181, C219, C222, C233, C257, C282	
...3	3-Capacitor	311-103-3K	1	CAP, 0.01UF, 25V, X7R, +/- 10%, 0603	0	1	C159	
...3	3-Capacitor	311-103-6K	1	CAP, 0.01UF, 0603, 10%, X7R, 100V	0	2	C332, C333	

RadioFrame Networks Proprietary

Created by: Andrea Bernard

BOM EXPLOSION REPORT

Part Number 101-1009-01
 Part Revision
 Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER

PRELIMINARY

RADIOFRAME
 NETWORKS

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	3-Capacitor	311-104-1M	1	CAP, 0.1UF, 16V, X7R, +/- 20%, 0603	0	115	C4, C6, C22-C26, C32-C36, C43, C45, C58, C59, C65, C69, C72, C74, C78, C86, C91, C96, C97, C102, C104, C106, C114, C119-C123, C126, C128-C131, C134, C136, C137, C140, C142, C148, C157, C169, C173-C175, C178-C180, C182, C189, C190, C194, C195, C200, C203, C216, C218, C221, C224-C226, C230, C235, C238, C241, C244, C245, C253, C258, C260-C262, C267, C268, C270, C272, C276, C279-C281, C283, C284, C286, C289-C292, C295-C298, C300, C301, C303, C304, C306, C308-C312, C318-C321, C323, C324, C334-C336	
...3	3-Capacitor	311-152-3K	1	CAP, 1500PF, 25V, X7R, +/- 10%, 0603	0	1	C229	
...3	3-Capacitor	311-153-3K	1	CAP, 0.015UF, 25V, X7R, +/- 10%, 0603	0	1	C5	
...3	3-Capacitor	311-222-5K	1	CAP, 2200PF, 50V, X7R, +/- 10%, 0603	0	1	C154	
...3	3-Capacitor	311-223-3K	2	CAP, 0.022UF, 25V, X7R, +/- 10%, 0603	0	1	C164	
...3	3-Capacitor	311-331-5K	1	CAP, 330PF, 50V, X7R, +/- 10%, 0603	0	1	C171	
...3	3-Capacitor	311-332-5K	1	CAP, 3300PF, 50V, X7R, +/- 10%, 0603	0	1	C170	
...3	3-Capacitor	311-332-6K	1	CAP, 3300PF, 100V, X7R, +/- 10%, 0603	0	1	C162	
...3	3-Capacitor	311-334-3K	1	CAP, 0.33, 25V, X7R, +/-10%, 0603	0	2	C2, C149	

RadioFrame Networks Proprietary

Created by: Andrea Bernard

BOM EXPLOSION REPORT

Part Number 101-1009-01
 Part Revision
 Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER

PRELIMINARY



RADIOFRAME
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Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	3-Capacitor	311-472-5M	1	CAP, 4700PF, 50V, X7R, +/- 20%, 0603	0	2	C15, C161	
...3	3-Capacitor	312-104-5K	1	CAP, 0.1UF, 50V, X7R, +/- 10%, 0805	0	4	C14, C144, C158, C166	
...3	3-Capacitor	312-153-6K	1	CAP, 15NF, 100V, 0805, X7R, 10%, NP	0	1	C250	
...3	3-Capacitor	312-334-1K	2	CAP, 0.33UF, 16V, X7R, +/- 10%, 0805	0	1	C147	
...3	3-Capacitor	312-474-3K	1	CAP, 470NF, 25V, X7R, +/- 10%, 0805	0	1	C248	
...3	3-Capacitor	314-102-6M	1	CAP, 1000PF, 100V, X7R, +/- 20%, 1206	0	2	C17, C139	
...3	3-Capacitor	314-104-6M	1	CAP, 0.1UF, 100V, X7R, +/- 20%, 1206	0	3	C116, C146, C163	
...3	3-Capacitor	314-105-1K	1	CAP, 1UF, 16V, X7R, +/-10%, 1206	0	4	C1, C143, C167, C243	
...3	3-Capacitor	314-105-3K	1	CAP, 1UF, 25V, X7R, +/-10%, 1206	0	1	C165	
...3	3-Capacitor	319-155-6K	1	CAP, 1.5UF, 100V, X7R, +/- 10%, 1825, DOUBLE TERMINATED	0	3	C10, C145, C151	
...3	3-Capacitor	319-222-7K	1	CAP, 2200PF, 250V, X7R, +/- 10%, 5.7X5X2MM	0	1	C150	
...3	3-Capacitor	334-106-3Z	1	CAP, 10UF, 25V, Y5V, +80%-20%, 1206	0	2	C3, C138	
...3	3-Capacitor	334-224-5Z	1	CAP, 0.22UF, 50V, Y5V, +80%-20%, 1206	0	1	C141	
...3	3-Capacitor	334-475-1Z	1	CAP, 4.7UF, 16V, Y5V, +80%-20%, 1206	0	2	C152, C155	
...3	3-Capacitor	350-105-1K	1	CAP, 1UF, 16V, TANT, +/- 10%, 3216	0	2	C100, C124	
...3	3-Capacitor	351-106-1M	1	CAP, 10UF, 16V, TANT, +/- 20%, 3528	0	24	C31, C63, C94, C132, C172, C176, C183, C184, C188, C196, C228, C264, C275, C277, C285, C288, C294, C299, C302, C313-C315, C322, C325	
...3	3-Capacitor	357-686-2M	1	CAP, 68UF, 20V, TANT, +/- 20%, 7343H	0	1	C168	
...3	3-Capacitor	399-471-9M	4	CAP, 470UF, 6.3V, +/-20%, F12	0	4	C18-C21	
...3	3-Capacitor	399-681-9M	2	CAP, 680UF, 4V, +/-20%, F12	0	3	C9, C12, C16	
...3	4-Inductor	499-105-0M	1	IND, 1MH, +/-20%, DO1608	0	1	L6	
...3	4-Inductor	499-1171-00	1	IND, 1.17MH, +/-25%, POLECAT	0	1	L1	
...3	4-Inductor	499-122-00	2	IND, 1.2UH, +/-30%, 12.5X12.5MM	0	1	L5	
...3	4-Inductor	499-212-0J	1	IND, 2.1UH, +/-5%	0	1	L3	
...3	4-Inductor	499-332-0M	1	IND, 3.3UH, +/-20%, DO1608	0	1	L4	

RadioFrame Networks Proprietary

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BOM EXPLOSION REPORT

Part Number 101-1009-01
Part Revision
Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER



Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	5-Misc Part	501-0530-00	3	SMT3.0A MAX. FERRITE BEAD	0	8	FB1-FB6, FB10, FB12	
...3	5-Misc Part	502-0536-00	1	POWER TRANSFORMER	0	1	T1	
...3	5-Misc Part	502-0540-00	1	1:1 POWER TRANSFORMER, 170UH MIN. 10KHZ	0	1	T2	
...3	5-Misc Part	504-0520-00	1	3.3V CMOS 66.66MHZ CLOCK OSCILLATOR	0	1	Y2	
...3	5-Misc Part	504-0570-00	2	3.3V CMOS 10MHZ CLOCK OSCILLATOR	0	1	Y1	
...3	5-Misc Part	507-0510-00	1	SMT SPST SEALED TACTILE PB SWITCHES	0	1	SW1	
...3	5-Misc Part	508-0500-00	1	SMF OMNI-BLOK FUSE BLOCK W/ 2A SLO-BLO	0	1	F1	
...3	5-Misc Part	510-1218-11	3	EJECTOR/INJECTOR, LEFT	0	1	EJECT2	
...3	5-Misc Part	510-1218-21	3	EJECTOR/INJECTOR, RIGHT	0	1	EJECT1	
...3	5-Misc Part	510-1220-40	H	FRONT PANEL, APC/NPC (FACEPLATE EJECTOR)	0	1	FP1	
...3	5-Misc Part	520-0570-99	1	SCREW, #4-40 X 1/4, SS, PPH, INT SEMS	0	3	SCREW1-SCREW3	
...3	5-Misc Part	536-0403-42	1	SPACER, .25 O.D. X .171 I.D. X .1875 L, NYLON	0	2	SPACER1, SPACER2	
...3	6-Semiconductor/IC	600-0525-00	1	XSTR, PNP GENERAL PURPOSE TRANSISTOR	0	3	Q13, Q15, Q18	
...3	6-Semiconductor/IC	600-0530-00	1	XSTR, SINGLE N-CHANNEL, LOGIC LEVEL, POWER TRENCH TM MOSFET	0	5	Q1, Q3, Q5, Q8, Q12	
...3	6-Semiconductor/IC	600-0535-00	1	XSTR, NPN HIGH GAIN TRANSISTOR	0	1	Q14	
...3	6-Semiconductor/IC	600-0540-00	1	XSTR, N-CHANNEL ENHANCEMENT MODE VERTICAL DMOS-FET	0	1	Q19	
...3	6-Semiconductor/IC	600-0545-00	1	XSTR, NPN GENERAL PURPOSE AMPLIFIER	0	1	Q16	
...3	6-Semiconductor/IC	600-0596-00	1	XSTR, NPN BIPOLAR HIGH GAIN TRANSISTOR FZT853TA	0	1	Q17	
...3	6-Semiconductor/IC	601-0500-00	1	DIODE, 3A, 20V SWITCHMODE POWER SCHOTTKY BARRIER RECTIFIER	0	2	D1, D2	
...3	6-Semiconductor/IC	601-0510-00	1	DIODE, 3A, 200V SWITCHMODE ULTRAFAST POWER RECTIFIER	0	2	D15, D23	
...3	6-Semiconductor/IC	601-0520-00	1	DIODE, SWITCHING DIODE	0	2	D18, D19	
...3	6-Semiconductor/IC	601-0540-00	1	DIODE, 1A SURFACE MOUNT GLASS PASSIVATED RECTIFIER	0	0	D7	Alternate to: 601-0540-R00
...3	6-Semiconductor/IC	601-0540-R00	B	DIODE, RECTIFIER, GLASS PASSV, 100VRWM, 1.0A, SMA SMT, LEAD FREE	0	1	D7	Preferred: Lead Free Part

RadioFrame Networks Proprietary

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BOM EXPLOSION REPORT

Part Number 101-1009-01
Part Revision
Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER



Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	6-Semiconductor/IC	601-0545-00	1	DIODE, ULTRAFAST 200V, 1A RECTIFIER	0	2	D14, D16	
...3	6-Semiconductor/IC	601-0550-00	1	DIODE, HIGH VOLTAGE SWITCHING DIODE	0	3	D22, D25, D26	
...3	6-Semiconductor/IC	601-0555-00	1	DIODE, 3A, 40V SURFACE MOUNT SCHOTTKY POWER RECTIFIER	0	1	D20	
...3	6-Semiconductor/IC	601-0560-00	1	DIODE, 0.5A, 20V SURFACE MOUNT SCHOTTKY POWER RECTIFIER	0	2	D3, D4	
...3	6-Semiconductor/IC	601-0565-00	1	DIODE, 0.5A, 30V SURFACE MOUNT SCHOTTKY POWER RECTIFIER	0	1	D12	
...3	6-Semiconductor/IC	601-0570-00	1	DIODE, 10V 225MW, ZENER VOLTAGE REGULATORS	0	1	D11	
...3	6-Semiconductor/IC	601-0575-00	1	DIODE, 15V 225MW, ZENER VOLTAGE REGULATORS	0	1	D8	
...3	6-Semiconductor/IC	601-0580-00	2	DIODE, 30V SCHOTTKY BARRIER DIODE	0	3	D9, D10, D27	
...3	6-Semiconductor/IC	601-0585-00	1	DIODE, HIGH-SPEED SWITCHING DIODE	0	2	D17, D21	
...3	6-Semiconductor/IC	601-0590-00	1	DIODE, 1W, 68V ZENER, SMA	0	2	D6, D29	
...3	6-Semiconductor/IC	601-0595-00	1	DIODE, 18V 225MW, ZENER VOLTAGE REGULATORS	0	1	D13	
...3	6-Semiconductor/IC	601-0605-00	1	DIODE, 1A, 300V, STANDARD RECOVERY RECTIFIER	0	1	D28	
...3	6-Semiconductor/IC	602-0510-00	1	IC, 3.3V CMOS 1-TO-10 CLOCK DRIVER	0	6	U5, U10, U15, U16, U43, U44	
...3	6-Semiconductor/IC	602-0570-00	1	IC, QUADRUPLE BUS BUFFER GATE WITH 3-STATE OUTPUTS	0	7	U11, U12, U18, U23, U41, U54, U58	
...3	6-Semiconductor/IC	602-0590-00	3	IC, I2C 8KB EEPROM	0	1	U62	
...3	6-Semiconductor/IC	602-0621-00	1	IC, 16-BIT BUS TRANSCEIVER W/ SERIES R AND BUS HOLD	0	4	U29, U33, U38, U46	
...3	6-Semiconductor/IC	602-0630-00	1	IC, ±15KV ESD-PROTECTED, 1µA, 250KBPS, 3.3V/5V, DUAL RS-232 TRANSCEIVERS WITH INTERNAL CAPACITORS	0	1	U57	
...3	6-Semiconductor/IC	602-0650-00	1	IC, OCTAL BUFFER/DRIVER WITH 3-STATE OUTPUTS	0	4	U8, U28, U60, U69	

RadioFrame Networks Proprietary

Created by: Andrea Bernard

BOM EXPLOSION REPORT

Part Number 101-1009-01
Part Revision
Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER



Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	6-Semiconductor/IC	602-0660-00	1	IC, QUADRUPLE 2-INPUT POSITIVE-NAND GATE	0	1	U56	
...3	6-Semiconductor/IC	602-0670-00	1	IC, OCTAL EDGE-TRIGGERED D-TYPE FLIP-FLOPS WITH 3-STATE OUTPUTS	0	2	U65, U68	
...3	6-Semiconductor/IC	602-0690-00	2	IC, HEX INVERTER	0	1	U50	
...3	6-Semiconductor/IC	602-0765-00	2	IC, LOW VOLTAGE 1:9 CLOCK DISTRIBUTION CHIP (LTB 5/02)	0	1	U20	
...3	6-Semiconductor/IC	602-0776-00	1	IC, 16-BIT BUFFER DRIVER W/ 3 STATE OUTPUTS AND SERIES R	0	2	U26, U27	
...3	6-Semiconductor/IC	602-0780-00	1	IC, QUADRUPLE 2-INPUT POSITIVE-OR GATE	0	1	U51	
...3	6-Semiconductor/IC	602-0805-00	1	IC, MICRO-POWER PRECISION TRIPLE SUPPLY MONITOR	0	1	U4	
...3	6-Semiconductor/IC	602-0815-00	2	IC, 3.3V MONITOR W/ WATCHDOG AND PB INPUT	0	1	U9	
...3	6-Semiconductor/IC	602-0820-00	1	IC, DIGITAL 2-WIRE TEMPERATURE SENSOR	0	1	U49	
...3	6-Semiconductor/IC	602-0850-00	1	IC, TRANSISTOR OUTPUT OPTOISOLATOR SO-8	0	2	ISO2, ISO3	
...3	6-Semiconductor/IC	602-0910-00	2	IC, MPC8255 POWERQUICC II PROCESSOR, 66/133/200 MHZ	0	1	U22	
...3	6-Semiconductor/IC	603-0530-00	1	IC, 3.3V ECONORESET WITH OPEN DRAIN OUTPUT	0	1	U14	
...3	6-Semiconductor/IC	603-0615-00	1	IC, 2.5V - 1.8V LOW VOLTAGE LOW DROPOUT LINEAR REGULATOR	0	2	U63, U67	
...3	6-Semiconductor/IC	603-0620-00	2	IC, N-CHANNEL 100V MOSFET	0	2	Q2, Q9	
...3	6-Semiconductor/IC	603-0625-00	1	IC, N-CHANNEL 30V, 13A, 0.011-OHM HEXFET POWER MOSFET	0	4	Q6, Q7, Q10, Q11	
...3	6-Semiconductor/IC	603-0630-00	1	IC, 3.3V INPUT HIGH POWER STEP-DOWN SWITCHING REGULATOR CONTROLLER	0	1	U1	
...3	6-Semiconductor/IC	603-0635-00	2	IC, DUAL TRANSISTOR SYNCHRONOUS FORWARD CONTROLLER	0	1	U3	
...3	6-Semiconductor/IC	603-0640-00	1	IC, SECONDARY SYNCHRONOUS RECTIFIER CONTROLLER	0	1	U55	
...3	6-Semiconductor/IC	603-0650-00	1	IC, HEXFET POWER MOSFET, 100V, 17A, 0.11-OHM	0	1	Q4	

RadioFrame Networks Proprietary

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BOM EXPLOSION REPORT

Part Number 101-1009-01
Part Revision
Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	6-Semiconductor/IC	603-0880-00	1	IC, NEGATIVE 48V HOT SWAP CONTROLLER, PWGOOD LOW	0	1	U70	
...3	6-Semiconductor/IC	604-0565-00	1	IC, XC2S150 SPARTAN II FPGA	0	1	U21	
...3	8-Connector/Socket	803-0510-00	1	CONN, 0.100IN/2.54MM UNSHROUDED 1X3 VERTICAL SURFACE MOUNT HEADER	0	2	JP2, JP4	
...3	8-Connector/Socket	803-0520-00	C	CONN, SO-DIMM	0	3	J4, J10, J14	
...3	8-Connector/Socket	803-0530-00	1	CONN, PLCC32 SOCKET	0	1	J9	
...3	8-Connector/Socket	803-0540-00	1	CONN, 2 X 8 VERTICAL DOUBLE ROW, SMT, 0.1X0.1	0	1	JP10	
...3	8-Connector/Socket	803-0550-00	1	CONN, 2 X 5 VERTICAL DOUBLE ROW, SMT, 0.1X0.1	0	1	JP3	
...3	8-Connector/Socket	803-0610-00	1	CONN, 2 X 7 VERTICAL DOUBLE ROW, SMT, 0.1X0.1	0	1	JP11	
...3	8-Connector/Socket	804-0630-02	2	CONN, J4 TYPE A RT ANGLE FEMALE EDGE CONNECTOR, 5X25, KEYED	0	2	P1, P2	
...3	8-Connector/Socket	830-0510-00	2	LED, SUPER-RED HYPER CHIPLED 0805	0	1	CR3	
...3	8-Connector/Socket	830-0520-00	2	LED, GREEN CHIPLED 0805	0	6	CR1, CR2, CR4-CR7	
...3	8-Connector/Socket	830-0530-02	1	LED, RED/GREEN BI-LEVEL, R/A, HOUSED, LED	0	1	CR8	
...3	Document	920-0573-03	C	BOARD LEVEL FAB DRAWING, BPC	0	0		
...3	Document	923-0573-03	B	BOARD LEVEL ASSEMBLY DRAWING, ASY-0573-03	0	0		
...3	Document	928-0573-05	A	SCHEMATIC, BPC, ASY-0573-05	0	0		
...3	1-Ops/RFN Mfg	PCB-0573-03	C	PCB, BPC V0.3	0	1	PCB2	
..1	1-Ops/RFN Mfg	FCT-0820-01	A	CRTC, FUNCTIONALLY TESTED	0	2		
..2	1-Ops/RFN Mfg	123-0650-00	1	LABEL, BARCODE, BLANK STOCK, 1.25 X .25	0	1		
..2	Document	979-0820-01	A	CRTC FUNCTIONAL TEST PROCEDURE	0	0		
..2	1-Ops/RFN Mfg	ASY-0820-04	C	PCA, COAXIAL RMII TRANSCEIVER CARD (CRTC), V0.4	0	1		
...3	1-Ops/RFN Mfg	123-0680-02	1	LABEL STOCK, 1/2 X 2, WHITE BLANK, SERIAL/PN/MAC ADDRESS	0	1		

RadioFrame Networks Proprietary

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BOM EXPLOSION REPORT

Part Number 101-1009-01
 Part Revision
 Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER



Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	1-Ops/RFN Mfg	123-1031-00	1	LABEL, BARCODE, BLANK STOCK, 1.00 X .25	0	1		
...3	2-Resistor	201-0-0	1	RES, 0, 0603	0	47	R9, R18, R19, R39-R41, R64-R71, R116, R130, R132, R138, R141, R149-R155, R157, R166, R167, R169, R172-R176, R183-R194	
...3	2-Resistor	201-100-OJ	1	RES, 10, +/-5%, 0603	0	2	R114, R129	
...3	2-Resistor	201-1001-OF	1	RES, 1.00K, +/-1%, 0603	0	5	R47, R51, R52, R78, R112	
...3	2-Resistor	201-1002-OF	1	RES, 10.0K, +/-1%, 0603	0	40	R2, R24, R25, R28, R30, R32, R34, R49, R50, R53-R56, R73, R94-R99, R111, R122, R126, R127, R131, R133, R137, R140, R142, R143, R146, R156, R158-R165	
...3	2-Resistor	201-101-OJ	1	RES, 100, +/-5%, 0603	0	2	R113, R128	
...3	2-Resistor	201-152-OJ	1	RES, 1.5K, +/-5%, 0603	0	2	R26, R62	
...3	2-Resistor	201-2100-OF	1	RES, 210, +/-1%, 0603	0	10	R22, R23, R35-R38, R144, R145, R147, R148	
...3	2-Resistor	201-221-OJ	1	RES, 220, +/-5%, 0603	0	8	R76, R86-R90, R93, R105	
...3	2-Resistor	201-241-OJ	1	RES, 240, +/-5%, 0603	0	1	R46	
...3	2-Resistor	201-2801-OF	1	RES, 2.8K, +/-1%, 0603	0	1	R136	
...3	2-Resistor	201-330-OJ	1	RES, 33, +/-5%, 0603	0	15	R72, R75, R118-R121, R170, R171, R177-R182, R195	
...3	2-Resistor	201-331-OJ	1	RES, 330, +/-5%, 0603	0	6	R15, R21, R27, R29, R31, R33	
...3	2-Resistor	201-4321-OF	1	RES, 4.32K, 1%, 0603	0	2	R110, R125	
...3	2-Resistor	201-472-OJ	1	RES, 4.7K, +/-5%, 0603	0	4	R43, R44, R115, R134	
...3	2-Resistor	201-4991-OF	1	RES, 4.99K, +/-1%, 0603	0	4	R3, R60, R61, R63	
...3	2-Resistor	201-49R9-OF	1	RES, 49.9, +/-1%, 0603	0	3	R80, R81, R196	
...3	2-Resistor	201-512-OJ	1	RES, 5.1K, +/-5%, 0603	0	6	R77, R82-R85, R117	

RadioFrame Networks Proprietary

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BOM EXPLOSION REPORT



Part Number 101-1009-01
 Part Revision
 Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER



Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	2-Resistor	201-5493-0F	1	RES, 549K, +/-1%, 0603	0	2	R108, R123	
...3	2-Resistor	201-54R9-0F	B	RES, 54.9, +/-1%, 0603	0	2	R91, R92	
...3	2-Resistor	201-6041-0F	1	RES, 1%, 0603, 6.04K-OHM	0	1	R135	
...3	2-Resistor	201-6491-0F	1	RES, 6.49K, +/-1%, 0603	0	2	R109, R124	
...3	2-Resistor	201-7322-0F	1	RES, 73.2K, +/-1%, 0603	0	1	R12	
...3	2-Resistor	204-1024-0F	1	RES, 1.02M, 1206, 1/4W, 1%	0	1	R20	
...3	3-Capacitor	301-100-6C	1	CAP, 10PF 100V, 0603	0	4	C62, C74, C75, C87	
...3	3-Capacitor	301-102-3K	1	CAP, 1000PF, 25V, NPO, +/-10%, 0603	0	2	C5, C18	
...3	3-Capacitor	301-220-5J	1	CAP, 22PF, 50V, NPO, +/-5%, 0603	0	2	C10, C57	
...3	3-Capacitor	301-471-5J	1	CAP, 470PF, 50V, NPO, +/-5%, 0603	0	4	C24, C27, C36, C39	
...3	3-Capacitor	311-102-1M	1	CAP, 1000PF, 16V, X7R, +/-20%, 0603	0	9	C1, C7, C23, C26, C35, C38, C45, C46, C49	
...3	3-Capacitor	311-103-3K	1	CAP, 0.01UF, 25V, X7R, +/-10%, 0603	0	3	C30, C41, C50	
...3	3-Capacitor	311-104-1M	1	CAP, 0.1UF, 16V, X7R, +/-20%, 0603	0	48	C2, C8, C12-C17, C19-C21, C28, C29, C31-C33, C40, C42-C44, C47, C48, C52-C56, C58-C60, C92-C107, C109, C110	
...3	3-Capacitor	311-331-5K	1	CAP, 330PF, 50V, X7R, +/-10%, 0603	0	4	C22, C25, C34, C37	
...3	3-Capacitor	311-332-5K	1	CAP, 3300PF, 50V, X7R, +/-10%, 0603	0	1	C4	
...3	3-Capacitor	312-153-6K	1	CAP, 15NF, 100V, 0805, X7R, 10%, NP	0	2	C73, C86	
...3	3-Capacitor	312-474-3K	1	CAP, 470NF, 25V, X7R, +/-10%, 0805	0	2	C72, C85	
...3	3-Capacitor	314-104-6M	1	CAP, 0.1UF, 100V, X7R, +/-20%, 1206	0	4	C65, C70, C78, C83	
...3	3-Capacitor	314-105-1K	1	CAP, 1UF, 16V, X7R, +/-10%, 1206	0	2	C71, C84	
...3	3-Capacitor	315-105-6K	1	CAP, 1UF, 100V, 1210	0	4	C66, C67, C79, C80	
...3	3-Capacitor	315-474-6K	1	CAP, 0.47UF, 100V, 1210	0	2	C68, C81	
...3	3-Capacitor	318-103-9K	2	CAP, 0.01UF, 2000V, X7R, +/-10%, 2220	0	1	C6	
...3	3-Capacitor	351-106-1M	1	CAP, 10UF, 16V, TANT, +/-20%, 3528	0	6	C11, C51, C88-C91	
...3	3-Capacitor	351-226-0M	1	CAP, 22UF, 10V, TANT, +/-20%, 3528	0	2	C3, C9	
...3	3-Capacitor	399-101-0M	1	CAP, 100UF, 10V, +/-20%, 6.4X5.4	0	2	C64, C77	

RadioFrame Networks Proprietary

Created by: Andrea Bernard

BOM EXPLOSION REPORT

Part Number 101-1009-01
Part Revision
Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	3-Capacitor	399-220-6M	2	CAP, 22UF, 100V, 10X10.2 MM SERIES ALUMINUM ELECTROLYTIC CAP	0	2	C69, C82	
...3	3-Capacitor	399-331-9M	2	CAP, 330UF, 63V, ALUM ELECTROLYTIC, +/-20%, J16 16.0X16.5, SMT	0	2	C63, C76	
...3	4-Inductor	499-100-0M	1	IND, 10UH, +/-20%, DO338	0	2	L2, L4	
...3	4-Inductor	499-1171-00	1	IND, 1.17MH, +/-25%, POLECAT	0	2	L1, L3	
...3	5-Misc Part	501-0510-00	B	BEAD, FERRITE, SINGLE CIRCUIT, MONO, 600 OHM, 200MA, 0603, SMT	0	2	FB1, FB2	
...3	5-Misc Part	504-0510-00	2	3.3V CMOS 50MHZ CLOCK OSCILLATOR	0	1	Y1	
...3	5-Misc Part	508-0500-00	1	SMF OMNI-BLOK FUSE BLOCK W/ 2A SLO-BLO	0	2	F1, F2	
...3	5-Misc Part	509-0530-00	1	HEATSINK SMT, FOR TO-263	0	2	H1, H2	
...3	5-Misc Part	510-1218-11	3	EJECTOR/INJECTOR, LEFT	0	1		
...3	5-Misc Part	510-1218-21	3	EJECTOR/INJECTOR, RIGHT	0	1		
...3	5-Misc Part	510-1220-70	H	FRONT PANEL, CRTC (FACEPLATE EJECTOR)	0	1		
...3	5-Misc Part	520-0550-99	2	NUT, JAM, 1/2-28, .093 THICK	0	1		
...3	5-Misc Part	520-0570-99	1	SCREW, #4-40 X 1/4, SS, PPH, INT SEMS	0	3		
...3	5-Misc Part	536-0403-42	1	SPACER, .25 O.D. X .171 I.D. X .1875 L, NYLON	0	2		
...3	6-Semiconductor/IC	601-0540-00	1	DIODE, 1A SURFACE MOUNT GLASS PASSIVATED RECTIFIER	0	0	D1, D3, D4, D6	Alternate to: 601-0540-R00
...3	6-Semiconductor/IC	601-0540-R00	B	DIODE, RECTIFIER, GLASS PASSV, 100VRWM, 1.0A, SMA SMT, LEAD FREE	0	4	D1, D3, D4, D6	Preferred: Lead Free Part
...3	6-Semiconductor/IC	601-0590-00	1	DIODE, 1W, 68V ZENER, SMA	0	2	D2, D5	
...3	6-Semiconductor/IC	602-0020-00	1	IC, DIGITAL THERMOMETER AND MEMORY	0	1	U8	
...3	6-Semiconductor/IC	602-0570-00	1	IC, QUADRUPLE BUS BUFFER GATE WITH 3-STATE OUTPUTS	0	1	U5	
...3	6-Semiconductor/IC	602-0580-00	1	IC, QUADRUPLE 2-INPUT POSITIVE-AND GATE	0	1	U19	
...3	6-Semiconductor/IC	602-0690-00	2	IC, HEX INVERTER	0	1	U17	
...3	6-Semiconductor/IC	602-0691-00	1	IC, SINGLE GATE HEX INVERTER	0	3	U4, U18, U21	
...3	6-Semiconductor/IC	602-0780-00	1	IC, QUADRUPLE 2-INPUT POSITIVE-OR GATE	0	1	U3	

RadioFrame Networks Proprietary

Created by: Andrea Bernard

BOM EXPLOSION REPORT

Part Number 101-1009-01
Part Revision
Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	6-Semiconductor/IC	602-0805-00	1	IC, MICRO-POWER PRECISION TRIPLE SUPPLY MONITOR	0	1	U16	
...3	6-Semiconductor/IC	602-0905-00	1	IC, 1:4 CLOCK BUFFER	0	1	U13	
...3	6-Semiconductor/IC	602-0940-00	1	IC, LITTLE LOGIC SINGLE POSITIVE-EDGE-TRIGGERED D-TYPE FLIP-FLOP	0	1	U12	
...3	6-Semiconductor/IC	602-1190-00	2	IC, PHYTERI, AUI/MII	0	1	U1	
...3	6-Semiconductor/IC	602-1191-00	2	IC, PHYTERII UTP/MII	0	1	U9	
...3	6-Semiconductor/IC	602-1200-00	C	IC, HALO TNT, 10BASE2 TRANSCEIVER	0	0	U2	Alternate to: 602-1200-R00
...3	6-Semiconductor/IC	602-1200-R00	A	IC, HALO TNT, 10BASE2 TRANSCEIVER, LEAD FREE	0	1	U2	Preferred: Lead Free Part
...3	6-Semiconductor/IC	602-1220-00	1	IC, EPROM FOR SPARTANII	0	1	U7	
...3	6-Semiconductor/IC	603-0650-00	1	IC, HEXFET POWER MOSFET, 100V, 17A, 0.11-OHM	0	2	Q1, Q2	
...3	6-Semiconductor/IC	603-0881-00	1	IC, NEGATIVE 48V HOT SWAP CONTROLLER, PWGOOD HIGH	0	2	U11, U15	
...3	6-Semiconductor/IC	603-1111-00	2	IC, LDO, 2.5V, 5VIN	0	1	TO-2	
...3	6-Semiconductor/IC	603-1112-00	2	IC, LDO, 3.3V, 5VIN	0	1	TO-1	
...3	6-Semiconductor/IC	603-1120-00	2	IC, DC-DC CONVERTER -48 TO 5V 2A	0	2	U10, U14	
...3	6-Semiconductor/IC	603-1123-00	1	IC, DC-DC CONVERTER -48 TO 5V 3A	0	0	U10, U14	Substitute part for 603-1120-00
...3	6-Semiconductor/IC	604-0550-00	1	IC, XC2S50 SPARTAN II FPGA	0	1	U6	
...3	8-Connector/Socket	803-0570-00	1	CONN, 38-POS MICTOR CONNECTOR	0	2	J2, J4	
...3	8-Connector/Socket	803-0750-00	2	CONN, 2 X 7 VERTICAL DOUBLE ROW, SMT, 2MM SPACING	0	1	JP1	
...3	8-Connector/Socket	804-0600-02	1	CONN, JACK, BNC, RA, PC-MT, 50 OHM	0	0	J1	Alternate Part
...3	8-Connector/Socket	804-0600-R02	A	CONN, JACK, BNC, RA, PC-MT, 50 OHM, LEAD FREE	0	1	J1	Referred Part

RadioFrame Networks Proprietary

Created by: Andrea Bernard

BOM EXPLOSION REPORT

Part Number 101-1009-01
Part Revision
Part Description SUB ASY, ABIC, MC-SERIES, HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	8-Connector/Socket	804-0630-02	2	CONN, J4 TYPE A RT ANGLE FEMALE EDGE CONNECTOR, 5X25, KEYED	0	2	P1, P2	
...3	8-Connector/Socket	804-0790-02	2	CONN, SINGLE RJ-45 WITH LEDS AND MAGNETICS	0	1	J6	
...3	8-Connector/Socket	830-0510-00	2	LED, SUPER-RED HYPER CHIPLED 0805	0	3	CR2, CR8, CR9	
...3	8-Connector/Socket	830-0520-00	2	LED, GREEN CHIPLED 0805	0	10	CR1, CR3-CR6, CR10-CR14	
...3	8-Connector/Socket	830-0530-02	1	LED, RED/GREEN BI-LEVEL, R/A, HOUSED, LED	0	2	CR7, CR15	
...3	Document	920-0820-03	A	FAB DRAWING, ASY-0820-03 (CRTC)	0	0		
...3	Document	923-0820-02	B	MECHANICAL SPECIFICATION DRAWING, BOARD LEVEL, CRTC	0	0		
...3	Document	928-0820-03	A	SCHEMATIC, ASY-0820-03 (CRTC)	0	0		
...3	Document	978-0820-01	B	CRTC FUNCTIONAL TEST FIXTURE	0	0		
...3	1-Ops/RFN Mfg	PCB-0820-03	A	PCB, CRTC	0	1		

RadioFrame Networks Proprietary

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BOM EXPLOSION REPORT**PRELIMINARY**

Part Number 101-1071-01
Part Revision
Part Description SUB ASY, LNA SHELF, MC-SERIES, HIGH POWER



Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
0	1-Ops/RFN Mfg	101-1071-01		SUB ASY, LNA SHELF, MC-SERIES, HIGH POWER				
.1	1-Ops/RFN Mfg	102-0015-01	A	ASY, FAN, 40MM SQ. X 28MM W/CONNECTOR	0	2		
..2	5-Misc Part	518-0006-01	A	FAN, 40MM SQ. X 28MM	0	1		
..2	5-Misc Part	543-0001-00	1	TUBING, HEAT SHRINK, 1/4" EXPANDED, 1/8" SHRUNKEN, PVC	0	.5		
..2	8-Connector/Socket	806-0601-05	1	CONN., 3 CKT RECEPTACLE HOUSING	0	1		
..2	8-Connector/Socket	806-0609-05	1	CONN., CONTACT, #18-24, 4.20MM, FEMALE, CRIMP	0	3		
.1	5-Misc Part	510-1272-01	A	BRKT, MTG, LNA, DUAL BAND RF SHELF MEDIUM POWER	0	3		
.1	5-Misc Part	510-1283-R03		CHASSIS, LNAS, HIGH POWER	0	1		
.1	5-Misc Part	510-1284-R02		PANEL, FRONT, LNA SHELF, HIGH POWER	0	1		
.1	5-Misc Part	510-1285-R02		COVER, LNA SHELF, HIGH POWER	0	1		
.1	5-Misc Part	514-0001-99	1	TERMINATOR, N-M W/CHAIN 2W 6GHZ, 18DB MAX VSWR @ 6GHZ	0	6		
.1	5-Misc Part	516-0013-05	B	LNA, DUAL BAND RF SHELF, MEDIUM POWER	0	6		
..2	Document	907-0265-00	D	HRD, MC SERIES MED PWR DUAL BAND LNA	0	0		
.1	5-Misc Part	533-0120-02	A	SCR, #4-40 X 1.25, PPH, EXT SEMS, ST ZI	0	20		
.1	5-Misc Part	533-0205-03	1	SCR, #6-32 X 5/16, BLK OX, INT SEMS	0	42		
.1	5-Misc Part	536-0304-00	1	STANDOFF, JACK SCREW, 3/16 HEX M/F, #4-40 X 1/4, SS	0	6		
.1	8-Connector/Socket	820-0635-00	A	ASY, CABLE, TYPE N BH/SMA ST, INSULATED, 13.0"	0	6		
.1	Document	910-1071-01		SUB-LEVEL ASY DWG, LNA SHELF, HIGH POWER	0	0		
.1	1-Ops/RFN Mfg	ASY-0878-02	A	LNA MAIN BOARD	0	1		
..2	1-Ops/RFN Mfg	110-0877-00	A	POL REGULATOR, INPUT 10.8-13.2 V, OUTPUT 6 A/33 W ADJ	0	1	U8	
..2	1-Ops/RFN Mfg	110-0878-R00	A	1/8TH BRICK 36-75 VIN DC/DC CONVERTER 12V VOUT 6A LEAD FREE	0	2	U1, U5	
..2	5-Misc Part	123-1031-R00	A	LABEL, BLANK, 1.00X.25, 2.0 MIL, GLOSSY WHITE, POLYIMIDE, LEAD FREE	0	2	LABEL1, LABEL2	

RadioFrame Networks Proprietary

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BOM EXPLOSION REPORT

PRELIMINARY

Part Number 101-1071-01
 Part Revision
 Part Description SUB ASY, LNA SHELF, MC-SERIES, HIGH POWER



Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
..2	2-Resistor	201-0-R0	A	RES, 0, 0603, LEAD FREE	0	141	R7, R15, R25, R36, R49, R62, R63, R65, R67, R68, R71, R72, R75, R76, R79, R80, R86, R87, R90, R95, R108-R110, R115, R116, R131, R134, R140, R143, R149, R151, R154-R159, R162, R173, R175-R178, R180, R188-R195, R200, R202, R205-R209, R211, R223, R224, R226, R228-R230, R234, R244, R245, R249-R251, R256, R259-R262, R266, R269, R270, R285, R286, R289, R292-R296, R298-R300, R306-R309, R314-R317, R320-R322, R337-R340, R342-R350, R368-R371, R374, R376-R379, R384, R414-R416, R418-R423, R425-R431	
..2	2-Resistor	201-100-OJ	1	RES, 10, +/-5%, 0603	0	1	R6	
..2	2-Resistor	201-1001-0F	1	RES, 1.00K, +/-1%, 0603	0	7	R290, R291, R310, R311, R319, R372, R391	
..2	2-Resistor	201-1002-R0F	A	RES, 10.0K, +/-1%, 0603, LEAD FREE	0	48	R1, R32, R40, R74, R170, R171, R225, R231, R241, R287, R301, R302, R313, R325-R336, R351-R367, R447-R450, R452, R462	
..2	2-Resistor	201-101-R0J	B	RES, 100, +/-5%, 0603, LEAD FREE	0	1	R11	

RadioFrame Networks Proprietary

Created by: Andrea Bernard

BOM EXPLOSION REPORT

Part Number 101-1071-01
 Part Revision
 Part Description SUB ASY, LNA SHELF, MC-SERIES, HIGH POWER

PRELIMINARY



RADIOFRAMETM
 NETWORKS

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
..2	2-Resistor	201-102-R0J	A	RES, 1K, +/-5%, 0603, LEAD FREE	0	45	R13, R24, R34, R35, R37, R39, R48, R50, R54, R56, R57, R61, R66, R84, R100, R125, R132, R133, R144-R147, R164-R169, R258, R264, R273, R277-R279, R281, R283, R288, R380, R383, R466-R468, R470-R472	
..2	2-Resistor	201-103-0J	1	RES, 10K, +/-5%, 0603	0	14	R44-R46, R55, R78, R82, R106, R114, R126, R160, R163, R174, R181, R323	
..2	2-Resistor	201-1101-0F	1	RES, 1.10K, 1%, 0603	0	1	R43	
..2	2-Resistor	201-121-0J	1	RES, 120, +/-5%, 0603	0	1	R185	
..2	2-Resistor	201-123-0J	1	RES, 12K, +/-5%, 0603	0	2	R257, R268	
..2	2-Resistor	201-151-R0J	B	RES, 150, +/-5%, 0603, LEAD FREE	0	9	R21, R22, R51, R52, R59, R60, R111, R112, R341	
..2	2-Resistor	201-1911-0F	1	RES, 1.91K, +/-1%, 0603	0	3	R186, R201, R204	
..2	2-Resistor	201-1962-R0F	A	RES, 19.6K, +/-1%, 0603	0	1	R20	
..2	2-Resistor	201-2001-0F	1	RES, 2.00K, +/-1%, 0603	0	1	R8	
..2	2-Resistor	201-2002-R0F	A	RES, 20.0K, +/-1%, 0603, LEAD FREE	0	12	R29, R221, R252, R254, R274-R276, R280, R282, R284, R445, R455	
..2	2-Resistor	201-2100-0F	1	RES, 210, +/-1%, 0603	0	8	R272, R324, R373, R386, R387, R395, R412, R417	
..2	2-Resistor	201-2151-R0F	A	RES, 2.15K, +/-1%, 0603	0	2	R129, R130	
..2	2-Resistor	201-2211-0F	1	RES, 2.21K, +/-1%, 0603	0	1	R28	
..2	2-Resistor	201-2322-R0F	A	RES, 23.2K, +/-1%, 0603	0	1	R305	
..2	2-Resistor	201-243-0J	1	RES, 24K, +/-5%, 0603	0	6	R463-R465, R477, R482, R487	

RadioFrame Networks Proprietary

Created by: Andrea Bernard

BOM EXPLOSION REPORT

Part Number 101-1071-01
 Part Revision
 Part Description SUB ASY, LNA SHELF, MC-SERIES, HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
..2	2-Resistor	201-2800-0F	1	RES, 280, +/-1%, 0603	0	5	R119, R122, R182, R183, R187	
..2	2-Resistor	201-2941-0F	A	RES, 2.94K, 1%, 0603	0	1	R18	
..2	2-Resistor	201-3011-0F	1	RES, 3.01K, +/-1%, 0603	0	4	R219, R220, R451, R461	
..2	2-Resistor	201-330-R0J	A	RES, 33, +/-5%, 0603, LEAD FREE	0	27	R58, R83, R85, R88, R89, R91, R92, R96, R99, R101-R104, R107, R127, R128, R135-R138, R141, R142, R148, R196-R199	
..2	2-Resistor	201-331-R0J	A	RES, 330, +/-5%, 0603, LEAD FREE	0	1	R117	
..2	2-Resistor	201-3742-0F	1	RES, 37.4K, +/-1%, 0603	0	1	R304	
..2	2-Resistor	201-4022-R0F	A	RES, 40.2K, +/-1%, 0603, LEAD FREE	0	12	R3, R4, R396- R401, R457-R460	
..2	2-Resistor	201-472-0J	1	RES, 4.7K, +/-5%, 0603	0	14	R161, R172, R179, R227, R402-R411	
..2	2-Resistor	201-473-0J	1	RES, 47K, +/-5%, 0603	0	8	R232, R247, R265, R267, R271, R303, R446, R456	
..2	2-Resistor	201-4751-R0F	A	RES, 4.75K, +/-1%, 0603, LEAD FREE	0	1	R73	
..2	2-Resistor	201-49R9-R0F	B	RES, 49.9, +/-1%, 0603, LEAD FREE	0	16	R26, R27, R30, R31, R38, R41, R42, R47, R64, R69, R70, R77, R93, R94, R97, R98	
..2	2-Resistor	201-5493-R0F	A	RES, 549K, +/-1%, 0603, LEAD FREE	0	1	R5	
..2	2-Resistor	201-6491-R0F	A	RES, 6.49K, +/-1%, 0603, LEAD FREE	0	1	R2	
..2	2-Resistor	201-7502-0F	A	RES, 75.0K, +/- 1%, SIZE 603	0	1	R19	
..2	2-Resistor	201-75R0-0F	1	RES, 75-OHM, 1%, 0603	0	3	R381, R382, R385	
..2	2-Resistor	201-7682-0F	A	RES, 76.8K, +/-1%, 0603	0	1	R33	
..2	2-Resistor	201-7683-0F	A	RES, 768K, +/-1%, 0603	0	2	R16, R53	
..2	2-Resistor	201-8060-R0F	A	RES, 806, +/-1%, 0603, LEAD FREE	0	1	R139	
..2	2-Resistor	201-8252-0F	1	RES, 82.5K, +/-1%, 0603	0	1	R17	
..2	2-Resistor	201-9312-0F	2	RES, 93.1K, SIZE 603, 1%	0	7	R212, R243, R246, R248, R263, R444, R454	

RadioFrame Networks Proprietary

Created by: Andrea Bernard

BOM EXPLOSION REPORT**PRELIMINARY**

Part Number 101-1071-01
 Part Revision
 Part Description SUB ASY, LNA SHELF, MC-SERIES, HIGH POWER



Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
..2	2-Resistor	204-0-R0	A	RES, 0, 1206, LEAD FREE	0	1	R14	
..2	3-Capacitor	301-101-5J	2	CAP, 100PF, 50V, NPO, +/- 5%, 0603	0	1	C108	
..2	3-Capacitor	301-121-5J	1	CAP, 120PF, 50V, NPO, +/- 5%, 0603	0	1	C30	
..2	3-Capacitor	301-470-5J	2	CAP, 47PF, 50V, NPO, +/-5%, 0603	0	8	C6, C73, C93, C198, C258, C268, C269, C286	
..2	3-Capacitor	311-102-1M	1	CAP, 1000PF, 16V, X7R, +/- 20%, 0603	0	2	C260, C262	
..2	3-Capacitor	311-103-3K	1	CAP, 0.01UF, 25V, X7R, +/- 10%, 0603	0	2	C241, C244	
..2	3-Capacitor	311-103-6K	1	CAP, 0.01UF, 0603, 10%, X7R, 100V	0	4	C3, C4, C39, C83	
..2	3-Capacitor	311-104-R1M	A	CAP, 0.1UF, 16V, X7R, +/- 20%, 0603, SMT, LEAD FREE	0	8	C1, C2, C216, C217, C226, C227, C230, C231	
..2	3-Capacitor	311-104-R3K	A	CAP, 0.1UF, 25V, X7R, +/- 10%, 0603, LEAD FREE	0	142	C44, C45, C47, C56-C70, C74-C77, C80-C82, C85, C87, C88, C94, C97, C99, C102-C107, C109, C112-C123, C127-C133, C141, C146-C148, C150, C151, C158, C161, C164, C166, C168, C174, C175, C181-C192, C194, C196, C200, C201, C203-C206, C208, C209, C211-C215, C218-C225, C228, C229, C232-C239, C245-C256, C259, C261, C263-C267, C270, C272-C274, C279, C283-C285	
..2	3-Capacitor	312-104-5K	1	CAP, 0.1UF, 50V, X7R, +/- 10%, 0805	0	6	C134, C137, C139, C156, C159, C162	
..2	3-Capacitor	312-153-R6K	A	CAP, 15NF, 100V, X7R, +/- 10%, 0805, SMT, LEAD FREE	0	1	C38	
..2	3-Capacitor	312-474-R3K	A	CAP, 470NF, 25V, X7R, +/- 10%, 0805, SMT, LEAD FREE	0	1	C31	

RadioFrame Networks Proprietary

Created by: Andrea Bernard

BOM EXPLOSION REPORT**PRELIMINARY**

Part Number 101-1071-01
 Part Revision
 Part Description SUB ASY, LNA SHELF, MC-SERIES, HIGH POWER



Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
..2	3-Capacitor	314-104-R6M	A	CAP, 0.1UF, 100V, X7R, +/- 20%, 1206, SMT, LEAD FREE	0	7	C5, C8, C23, C27, C28, C32, C50	
..2	3-Capacitor	314-105-R1K	A	CAP, 1UF, 16V, X7R, +/-10%, 1206, SMT, LEAD FREE	0	6	C7, C29, C152, C153, C180, C195	
..2	3-Capacitor	314-105-R3K	A	CAP, 1UF, 25V, X7R, +/-10%, 1206, SMT, LEAD FREE	0	1	C98	
..2	3-Capacitor	314-225-0K	1	CAP, 2.2UF, 10V, X7R, +/- 10%, 1206	0	2	C154, C155	
..2	3-Capacitor	315-105-6K	1	CAP, 1UF, 100V, 1210	0	8	C9, C13, C15, C18, C33, C41, C52, C54	
..2	3-Capacitor	315-474-6K	1	CAP, 0.47UF, 100V, 1210	0	8	C10, C14, C19, C24, C34, C42, C53, C71	
..2	3-Capacitor	316-332-9M	2	CAP, 1812 SIZE, 1500V, 3300PF HIGH VOLTAGE MLC CAP	0	4	C11, C40, C51, C89	
..2	3-Capacitor	319-155-R6K	A	CAP, 1.5UF, 100V, X7R, +/- 10%, DBL TERM, 1825, SMT, LEAD FREE	0	2	C46, C49	
..2	3-Capacitor	334-106-3Z	1	CAP, 10UF, 25V, Y5V, +80%-20%, 1206	0	18	C96, C135, C136, C142-C145, C157, C160, C163, C169, C170, C172, C173, C176, C177, C179, C199	
..2	3-Capacitor	351-476-R0M	A	CAP, 47UF, 10V, TANT, +/- 20%, 3528-21, LEAD FREE	0	8	C95, C100, C101, C178, C240, C242, C243, C257	
..2	3-Capacitor	351-685-2M	A	CAP, 6.8UF, 50V, TANT, +/- 10%, 7343/D CASE	0	16	C124-C126, C193, C197, C202, C207, C210, C271, C275-C278, C280-C282	
..2	3-Capacitor	355-337-R9M	A	CAP, 330UF, 6.3V, TANT, +/- 20%, CASE D, SMT, LEAD FREE	0	2	C25, C91	
..2	3-Capacitor	357-476-R4M	A	CAP, 47UF, 35V, TANT, +/- 20%, 7343-43, LEAD FREE	0	2	C110, C111	
..2	3-Capacitor	391-105-R9K	A	CAP, 1UF, 6.3V, X5R, +/-10%, 0603, LEAD FREE	0	2	C78, C79	
..2	3-Capacitor	399-101-9M	2	CAP, 100UF, 63V, 10X10 MM UR SERIES ALUMINUM ELECTROLYTIC CAP	0	2	C20, C86	
..2	3-Capacitor	399-220-6M	2	CAP, 22UF, 100V, 10X10.2 MM SERIES ALUMINUM ELECTROLYTIC CAP	0	2	C17, C43	
..2	3-Capacitor	399-331-R9M	A	CAP, 330UF, 63V, ALUM ELECTROLYTIC, +/-20%, J16 16.0X16.5, SMT, LEAD FREE	0	2	C26, C84	

RadioFrame Networks Proprietary

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BOM EXPLOSION REPORT

Part Number 101-1071-01
Part Revision
Part Description SUB ASY, LNA SHELF, MC-SERIES, HIGH POWER

PRELIMINARY

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
..2	3-Capacitor	399-470-9M	2	CAP, 47UF, 63V, 8X10MM UR SERIES ALUMINUM ELECTROLYTIC CAP	0	13	C12, C16, C35, C36, C48, C55, C90, C138, C140, C149, C165, C167, C171	
..2	3-Capacitor	399-681-9M	2	CAP, 680UF, 4V, +/-20%, F12	0	1	C22	
..2	4-Inductor	499-4R7-0M	3	IND, 4.7UH, 5.5A, SMT LOW PROFILE, HIGH CURRENT POWER INDUCTOR	0	2	L2, L4	
..2	4-Inductor	499-7680-00	1	IND, COMMON MODE CHOKE, 4.7A, ~768UH, LCCI-50 PACKAGE	0	2	L1, L3	
..2	5-Misc Part	501-0500-R00	A	BEAD, FERRITE, POWER SUPPLY, 60+-25% OHM@100MHZ, .05 OHM DCR, 1.5A-MAX, 3225 (1210) SMT, LEAD FREE	0	1	FB12	
..2	5-Misc Part	501-0530-R00	A	BEAD, FERRITE, MONO, SINGLE CIRCUIT, 30 OHM@100MHZ, .015 OHM DCR, 3A-MAX, 0805 SMT, LEAD FREE	0	11	FB1, FB14, FB18-FB20, FB22-FB24, FB28, FB33, FB34	
..2	5-Misc Part	501-0531-R00	A	BEAD, FERRITE, POWER SUPPLY, 100 OHM+-25%, .02 OHM DCR, 4A-MAX, 0805 SMT	0	10	FB4-FB11, FB13, FB21	
..2	5-Misc Part	501-0532-R00	A	BEAD, FERRITE, POWER SUPPLY, 30 +-10 OHM, .01 OHM DCR, 5A-MAX, 0805 SMT, LEAD FREE	0	18	FB2, FB3, FB15-FB17, FB25-FB27, FB29-FB32, FB35-FB40	
..2	5-Misc Part	504-0510-R00	A	OSC, CLOCK, HCMOS, 50.0000MHZ, +/-50PPM, 0C TO +70C, 3.3VDC PWR, 4-PIN 5X7MM SMD, LEAD FREE	0	1	Y1	
..2	5-Misc Part	507-0510-R00	A	SWITCH, PB, TACTILE, SEALED, MOM, SPST, FLAT TOP. .093 ACT HIEGHT, SMT, LEAD FREE	0	1	SW1	
..2	5-Misc Part	508-0504-00	1	FUSE, THERMAL RESETTING, 750MA	0	3	F1-F3	
..2	5-Misc Part	509-0530-00	1	HEATSINK SMT, FOR TO-263	0	7	H1-H5, H9, H10	
..2	5-Misc Part	509-0550-R02	A	HEATSINK FOR TO-220, LEAD FREE	0	3	H6-H8	
..2	5-Misc Part	520-0960-00	1	SCREW, #6-32 X 1/4, ZOS, PPH, INT SEMS	0	3		
..2	5-Misc Part	534-0200-02	A	NUT, #6-32, HEX, ST ZN	0	3		
..2	5-Misc Part	539-1701-00	2	RIVET, PUSH .161 DIA. NYLON WHITE G.R. .177/.217	0	2	J1A, J1B	
..2	6-Semiconduct or/IC	601-0520-R00	A	DIODE, FAST SWITCHING, 100VBR, 0.425W, SOD-123 SMT, LEAD FREE	0	2	D5, D6	
..2	6-Semiconduct or/IC	601-0591-00	2	DIODE, MOV, 60V, 600W, SMA	0	1	D1	

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BOM EXPLOSION REPORT

Part Number 101-1071-01
Part Revision
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PRELIMINARY

RADIOFRAME
 NETWORKS

Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
..2	6-Semiconductor/IC	601-0628-R00	A	DIODE, FAST SWITCHING, 75VRWM, 150MA, SOD-323 SMT, LEAD FREE	0	12	D10-D21	
..2	6-Semiconductor/IC	601-0661-R00	A	DIODE, SHOTTKY DIODE, 100V, 16A, D-PAK, LEAD FREE	0	6	D2-D4, D7-D9	
..2	6-Semiconductor/IC	602-0050-00	A	IC, 6-PORT 10/100 ETHERNET SWITCH CONTROLLER	0	1	U12	
..2	6-Semiconductor/IC	602-0570-R00	A	IC, BUFFER, BUS QUAD, GATE, 3-STATE OUTPUTS, 14-PIN, TSSOP, SMT, LEAD FREE	0	1	U37	
..2	6-Semiconductor/IC	602-0580-00	1	IC, QUADRUPLE 2-INPUT POSITIVE-AND GATE	0	1	U38	
..2	6-Semiconductor/IC	602-0590-R00	A	IC, EEPROM, SERIAL, 8K-BIT, I2C, 1024X8, 2.5-5.5V, 8-PIN SOIC, SMT, LEAD FREE	0	1	U26	
..2	6-Semiconductor/IC	602-0805-R00	A	IC, MONITOR, TRIPLE SUPPLY, MICRO-PWR PREC, 8-PIN SOIC, SMT, LEAD FREE	0	1	U35	
..2	6-Semiconductor/IC	602-0817-00	1	IC, MICREL MIC842 VOLT COMPARATOR WITH REF.	0	10	U3, U6, U27-U31, U33, U41, U42	
..2	6-Semiconductor/IC	602-0820-R00	A	IC, SENSOR, TEMP, THERMAL WATCHDOG, A/D CONV, I2C, 8-PIN SOP, SMT, LEAD FREE	0	3	U7, U9, U32	
..2	6-Semiconductor/IC	602-0825-00	1	IC, 4-PIN PHOTOTRANSISTOR OPTOCOUPLER	0	46	ISO1-ISO46	
..2	6-Semiconductor/IC	602-0878-R00	A	FULL-DUPLEX ISOLATED RS-485 TRANSCEIVER LEAD FREE	0	1	U18	
..2	6-Semiconductor/IC	602-0905-R00	A	IC, BUFFER, 1:4 CLOCK, 8-PIN SOIC, SMT, LEAD FREE	0	1	U17	
..2	6-Semiconductor/IC	602-0940-R00	A	IC, SINGLE POSITIVE-EDGE-TRIGGERED D-TYPE FLIP-FLOP, SOT-23, SMT, LEAD FREE	0	1	U11	
..2	6-Semiconductor/IC	602-1010-R00	A	IC, SUPERVISOR, UP, DUAL VOLTAGE, VCC1 3.08V, VCC2 2.32V, WATCHD TIMER, 6-PIN SOT23, SMT, LEAD FREE	0	1	U36	
..2	6-Semiconductor/IC	602-1170-R00	A	IC, MEMORY, EEPROM, SERIAL, 1KB, 3 WIRE, 8-PIN SOIC, SMT, LEAD FREE	0	1	U16	
..2	6-Semiconductor/IC	602-1220-00	1	IC, EPROM FOR SPARTANII	0	1	U19	
..2	6-Semiconductor/IC	603-0554-00	1	IC, XC3S200 SPARTAN III FPGA, PQFP 208 PIN PKG, STANDARD SPEED	0	1	U34	

RadioFrame Networks Proprietary

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BOM EXPLOSION REPORT

PRELIMINARY



Part Number 101-1071-01
 Part Revision
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..2	6-Semiconductor/IC	603-0650-R00	A	IC, MOSFET, POWER, HEXFET, FAST SW, 100V, 17A, 90MOHMS, D2PAK, SMT, LEAD FREE	0	1	Q1	
..2	6-Semiconductor/IC	603-0687-00	A	LDO, ADJUSTABLE REGULATOR, 3AMP, 30V INPUT, TO-220	0	3	U21, U22, U24	
..2	6-Semiconductor/IC	603-0689-00	A	LDO, ADJUSTABLE REGULATOR, 3AMP, 30V INPUT, D2PAK-A	0	3	U13-U15	
..2	6-Semiconductor/IC	603-0878-R00	A	+5 V FIXED, ADJUSTABLE, LOW-DROPOUT LINEAR VOLTAGE REGULATOR, LEAD FREE	0	1	U25	
..2	6-Semiconductor/IC	603-0879-R02	A	2W, ISOLATED UNREGULATED DC/DC CONVERTER 5V IN-7V OUT LEAD FREE	0	2	U20, U23	
..2	6-Semiconductor/IC	603-0880-R00	A	IC, CONTROLLER, HOT SWAP, -48V, S8 PKG, SMT, LEAD FREE	0	1	U2	
..2	6-Semiconductor/IC	603-1010-R00	A	IC, LDO, ADJ. V/1.5A OUTPUT, TO-263-5, SMT, LEAD FREE	0	1	U10	
..2	6-Semiconductor/IC	603-1020-R00	A	IC, LDO, ADJ. V/3.0A OUTPUT, TO-263-5 SMT, LEAD FREE	0	2	U39, U40	
..2	6-Semiconductor/IC	603-1082-R00	A	IC, HIGH VOLTAGE, .050A, 60V INPUT, 5V OUTPUT, LINEAR REGULATOR, LEAD FREE	0	1	U4	
..2	8-Connector/Socket	803-0570-R00	A	CONN, 38-POS, RECPT, MICTOR CONNECTOR, LEAD FREE	0	1	J2	
..2	8-Connector/Socket	803-0750-R00	A	CONN, 2 X 7 VERTICAL, DBL RW, SHROUDED, HEADER, 2MM SP, SMT, LEAD FREE	0	1	JP1	
..2	8-Connector/Socket	804-0002-R02	A	CONN, DB-25, RIGHT ANGLE, THRU HOLE, RECEPTACLE	0	1	J4	
..2	8-Connector/Socket	804-0031-01	1	CONN, MINI-FIT JR. RIGHT ANGLE, SINGLE ROW, 3 POSITION HEADER	0	2	J5, J12	
..2	8-Connector/Socket	804-0033-02	A	CONN, MINI-FIT JR. VERT, SINGLE ROW, 4POSITION HEADER	0	6	J6, J8, J10, J13, J15, J17	
..2	8-Connector/Socket	804-0034-02	A	CONN, MINI-FIT JR., VERTICAL, SINGLE ROW, 3 POSITION HEADER	0	6	J7, J9, J11, J14, J16, J18	
..2	8-Connector/Socket	804-0094-02	A	CONN, DUAL RIGHT ANGLE DB-15 THROUGH HOLE RECEPTACLE, FEMALE TOP, MALE BOTTOM	0	1	J3	
..2	8-Connector/Socket	804-0738-R02	A	CONN, 2X1 MAG45 F/F, SHIELDED, 10/100BASE-T, 8-PIN, RJ-45, W/EMI TABS, DUAL G/G LEDS, TH, LEAD FREE	0	2	XJ1, XJ2	

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Part Revision
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..2	8-Connector/Socket	804-0765-02	1	CONN, HEADER ASSEMBLY, RIGHT ANGLE MOUNT, 3 POSITION, UNIVERSAL MATE-N-LOK	0	1	J1	
..2	8-Connector/Socket	830-0510-R00	A	LED, CHIPLED, SUPER-RED HYPER, 0805, LEAD FREE	0	1	CR3	
..2	8-Connector/Socket	830-0530-R02	B	LED ASY, BI-LEVEL RED/GRN, RA, T-1, LEAD FREE	0	1	CR5	
..2	8-Connector/Socket	830-0550-R02	A	LED ASY, BI-COLOR GRN/RED, RA, T1, HOUSED, LEAD FREE	0	3	CR1, CR2, CR4	
..2	Document	920-0878-R02	A	FAB DRAWING, LNA MAIN BOARD	0	1		
..2	Document	923-0878-02	A	BRD LEVEL ASY DRAWING, LNA MAIN BOARD	0	1		
..2	Document	928-0878-02	A	SCHEMATIC, LNA MAIN BOARD	0	1		
..2	1-Ops/RFN Mfg	PCB-0878-R02	A	PCB, LNA MAIN BOARD (LNAMB)	0	1	PCB1	
...3	Document	924-0878-R02	A	PADS DATABASE, PCB, LNA MAIN BOARD	0	0		
...3	Document	925-0878-R02	A	GERBER FILES, PCB, LNA MAIN BOARD	0	0		
...3	Document	926-0878-R02	A	DRILL AND TRIM DRAWING, PCB, LNA MAIN BOARD	0	0		

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