

BOM EXPLOSION REPORT

Part Number 101-0507-01
 Part Revision E
 Part Description MC-SERIES DUAL BAND RACK BUILD -
 ELECTORACK



Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
0	1-Ops/RFN Mfg	101-0507-01		MC-SERIES DUAL BAND RACK BUILD -				
.1	1-Ops/RFN Mfg	101-0502-01	B	SUB ASY, CHASSIS UNIT, -48VDC	0	2		
.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,	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		

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...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		
...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	101-0535-03	C	RBS (RADIOBLADE SHELF)	0	1		

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..2	1-Ops/RFN Mfg	102-0011-04	C	ASY, FAN 60MM X 25MM 12VDC 37 CFM 3 WIRE	0	3		
...3	5-Misc Part	518-0002-00	1	FAN, 60MM X 25MM 12VDC 37 CFM 3 WIRE	0	1		
...3	5-Misc Part	543-0001-00	1	TUBING, HEAT SHRINK, 1/4" EXPANDED, 1/8" SHRUNKEN, PVC	0	0		
...3	8-Connector/Socket	806-0601-05	1	CONN., 3 CKT RECEPTACLE HOUSING	0	1		
...3	8-Connector/Socket	806-0609-05	1	CONN., CONTACT, #18-24, 4.20MM, FEMALE, CRIMP	0	3		
..2	1-Ops/RFN Mfg	123-0680-02	1	LABEL STOCK, 1/2 X 2, WHITE BLANK, SERIAL/PN/MAC ADDRESS	0	1		
..2	5-Misc Part	508-0631-99	1	FAN, FINGER GUARD, METAL, 60MM	0	3		
..2	5-Misc Part	510-0760-01	A	BRACKET, RIB SUPPORT, BACKPLANE, CU	0	1		
..2	5-Misc Part	510-1221-04	A	TRAY, CHASSIS, RBS	0	1		
..2	5-Misc Part	510-1222-02	C	COVER, CHASSIS, RBS	0	1		
..2	5-Misc Part	510-1223-04	A	PANEL, BACK, RBS	0	1		
..2	5-Misc Part	510-1224-03	B	PLATE, RADIOBLADE, RBS	0	1		
..2	5-Misc Part	510-1225-03	B	SHIELD, COMBINER, RBS	0	3		
..2	5-Misc Part	510-1236-03	A	GUIDE, RADIOBLADE, RBS	0	3		
..2	5-Misc Part	520-0550-99	2	NUT, JAM, 1/2-28, .093 THICK	0	1		
..2	5-Misc Part	520-0590-99	2	SCREW, #10-32 X 1/2, ZOS, PPH, EXT SEMS	0	2		
..2	5-Misc Part	520-0960-00	1	SCREW, #6-32 X 1/4, ZOS, PPH, INT SEMS	0	22		
..2	5-Misc Part	521-0520-99	C	HANDLE, ALUMINUM, 5" CTC	0	1		
..2	5-Misc Part	523-0571-20	1	GASKET, EMI, .120 X .360 D-SHAPE W/PSA, 4.25"	0	2		
..2	5-Misc Part	523-0571-30	1	GASKET, EMI, .120 X .360 D-SHAPE W/PSA,	0	2		

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..2	5-Misc Part	525-0003-00	1	COMPOUND, THERMAL PASTE	0	0.02		
..2	5-Misc Part	530-0203-72	1	SCREW, #6-32 X 3/16, FL HD PH, ST ZN, U-CUT	0	7		
..2	5-Misc Part	530-0220-02	1	SCREW, #6-32 X 1 1/4, PPH, ST ZN	0	12		
..2	5-Misc Part	533-0103-02	1	SCREW, #4-40 X 3/16, PPH, INT SEMS, ST ZN	0	21		
..2	5-Misc Part	533-7108-02	1	SCREW, #6-32 X 1/2, PPH, EXT SEMS, ST ZN	0	16		
..2	5-Misc Part	534-0204-02	1	NUT, #6-32, KEP, ST ZN	0	3		
..2	5-Misc Part	536-0304-00	1	STANDOFF, JACK SCREW, 3/16 HEX M/F, #4-40 X 1/4, SS	0	12		
..2	5-Misc Part	539-0002-00	1	SCREW, 8-32 X 1/4 SLOTTED PH, ST ZN	0	16		
..2	5-Misc Part	539-1703-00	A	RIVET, 1/8" X .255, ALUM. BODY, ALUM.	0	30		
..2	5-Misc Part	541-0002-05	2	8:1 POWER COMBINER/SPLITTER	0	6		
..2	5-Misc Part	547-0001-00	2	SLIDE, 16" LOCKING BALL BEARING 100LBS	0	1		
..2	8-Connector/Socket	820-0605-01	G	ASY, CABLE SMA ST/BH, 3"	0	6		
..2	Document	910-0535-03	C	SUB-LEVEL ASSEMBLY DRAWING, 101-0535-03 (RBS)	0	0		
..2	1-Ops/RFN Mfg	ASY-0535-04	B	RADIOBLADE SHELF (RBS)	0	1		
...3	1-Ops/RFN Mfg	110-0021-00	A	DC-DC CONVERTER, 1/4 BRICK, INPUT 36-60V, OUTPUT 12V, 33A	0	2	PS7, PS8	
...3	1-Ops/RFN Mfg	110-0100-00	1	NON-ISOLATED 12V - 3.3V, 18A DC-DC CONVERTER, SMT	0	6	PS1-PS6	
...3	1-Ops/RFN Mfg	123-1031-00	1	LABEL, BARCODE, BLANK STOCK, 1.00 X .25	0	4		
...3	1-Ops/RFN Mfg	151-0535-01	1	RBS V0.2 SW ASSEMBLY, 730-0535-01 + 602-0764-	0	3	U43-U45	
....4	6-Semiconductor/IC	602-0764-00	3	IC, 3 VOLT INTEL R STRATAFLASH MEMORY, TSOP, 128MBIT	0	1		
....4	7-Software	730-0535-01	1	SW, BOOT CODE FOR RBS V0.2, RBS_PLATFORM_AZTEK_1.5.038	0	1		

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...3	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, R834-R839, R904, R907, R910, R913, R916, R919, R921, R923, R925, R928, R931, R934, . . .	

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							... R936, R938, R940, R943, R945, R947, R950, R953, R955, R957, R959, R961, R963, R1001, R1003, R1005, R1076, R1079, R1082, R1085, R1087, R1089, R1174-R1176	
...3	2-Resistor	201-1002-0F	1	RES, 10.0K, +/-1%, 0603	0	6	R444-R447, R449, R450	
...3	2-Resistor	201-1003-0F	1	RES, 100K, 1%, 0603	0	1	R494	
...3	2-Resistor	201-101-0J	1	RES, 100, +/-5%, 0603	0	4	R537, R1136, R1139, R1142	
...3	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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...3	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, R793, R795-R800, R819-R822, R824, R826, R843, R848, R853, R865, R866, R868, R869, R871, . . .	

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							... 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	
...3	2-Resistor	201-1241-0F	1	RES, 1.24K, +/-1%, 0603	0	2	R448, R451	
...3	2-Resistor	201-1271-0F	1	RES, 1.27K, 1%, 0603	0	3	R1007, R1009, R1011	
...3	2-Resistor	201-151-0J	1	RES, 150, +/-5%, 0603	0	6	R540-R545	
...3	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	
...3	2-Resistor	201-2261-0F	1	RES, 2.26K, 1%, 0603	0	3	R499, R501, R502	
...3	2-Resistor	201-2800-0F	1	RES, 280, +/-1%, 0603	0	3	R277, R281, R285	
...3	2-Resistor	201-3163-0F	1	RES, 316K, 1%, 0603	0	3	R454, R459, R464	

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...3	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	
...3	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	
...3	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	
...3	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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...3	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	
...3	2-Resistor	201-6042-0F	1	RES, 60.4K, +/-1%, 0603	0	1	R495	
...3	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	
...3	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	
...3	2-Resistor	202-0-0	1	RES, 0, 0805	0	6	R546-R551	
...3	2-Resistor	202-2001-0D	3	RES, 0.5%, 2.000K, 0805	0	6	R619, R620, R712, R715, R787, R788	

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...3	2-Resistor	204-472-0J	1	RES, 4.7K, +/-5%, 1206	0	2	R503, R504	
...3	2-Resistor	204-473-0J	1	RES, 47K, +/-5%, 1206	0	1	R517	
...3	2-Resistor	271-220-1J	1	RESNET, 22, +/-5%, 3.2X1.6MM	0	24	RP1-RP6, RP49-RP66	
...3	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	
...3	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	
...3	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	
...3	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	
...3	3-Capacitor	301-220-5J	1	CAP, 22PF, 50V, NPO, +/-5%, 0603	0	6	C500-C502, C620-C622	
...3	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	

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...3	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	
...3	3-Capacitor	311-103-6K	1	CAP, 0.01UF, 0603, 10%, X7R, 100V	0	2	C368, C379	
...3	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	

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...3	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	
...3	3-Capacitor	314-105-1K	1	CAP, 1UF, 16V, X7R, +/-10%, 1206	0	6	C427, C429, C431, C440, C441, C443	
...3	3-Capacitor	314-105-3K	1	CAP, 1UF, 25V, X7R, +/-10%, 1206	0	6	C156, C159, C162, C190, C193, C196	
...3	3-Capacitor	316-332-9M	2	CAP, 1812 SIZE, 1500V, 3300PF HIGH VOLTAGE MLC CAP	0	1	C403	
...3	3-Capacitor	318-103-9K	2	CAP, 0.01UF, 2000V, X7R, +/-10%, 2220	0	3	C797, C799, C801	
...3	3-Capacitor	319-103-9K	1	CAP, 0.01UF, 2000V, X7R, +/-10%, 2225	0	3	C796, C798, C800	
...3	3-Capacitor	319-155-6K	1	CAP, 1.5UF, 100V, X7R, +/-10%, 1825, DOUBLE TERMINATED	0	6	C347, C370, C447, C456, C657, C659	
...3	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	
...3	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	

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...3	3-Capacitor	351-226-0M	1	CAP, 22UF, 10V, TANT, +/-20%, 3528	0	12	C396, C398, C400, C409, C410, C412-C414, C416, C444-C446	
...3	3-Capacitor	351-476-0M	1	CAP, 47UF, TANT, 10V, 20%	0	3	C154, C157, C160	
...3	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	
...3	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	
...3	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	

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...3	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	
...3	3-Capacitor	399-470-9M	2	CAP, 47UF, 63V, 8X10MM UR SERIES ALUMINUM ELECTROLYTIC CAP	0	1	C491	
...3	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	
...3	4-Inductor	499-1175-00	1	IND, COMMON MODE CHOKE, SMT, LOW PROFILE, 3.0A, 61 OHM @ 100MHZ	0	10	FB1-FB6, FB59-FB62	
...3	4-Inductor	499-4R7-0M	3	IND, 4.7UH, 5.5A, SMT LOW PROFILE, HIGH CURRENT POWER INDUCTOR	0	1	L70	
...3	4-Inductor	499-7680-00	1	IND, COMMON MODE CHOKE, 4.7A, ~768UH, LCCI-50 PACKAGE	0	1	L83	
...3	5-Misc Part	501-0530-00	3	SMT3.0A MAX. FERRITE BEAD	0	28	FB15-FB17, FB23-FB25, FB34-FB55	
...3	5-Misc Part	501-0532-00	1	5.0A MAX FERRITE BEAD, SMT, 0805	0	24	FB7-FB14, FB18-FB22, FB26-FB33, FB56-FB58	
...3	5-Misc Part	502-0521-00	2	10/100BASE-TX TRANSFORMER MODULE, 1:1	0	3	T5-T7	
...3	5-Misc Part	502-0530-00	2	WIDEBAND RF TRANSFORMER	0	4	T1-T4	
...3	5-Misc Part	503-0510-00	2	HC-49/UP REDUCED HEIGHT CRYSTAL OSC.	0	3	Y1-Y3	
...3	5-Misc Part	503-0530-00	4	CRYSTAL, 32.768KHZ, 20PPM, SMT	0	3	Y4-Y6	
...3	5-Misc Part	504-0630-00	3	3.3V HCMOS 25.000MHZ CLOCK OSCILLATOR	0	3	Y7-Y9	
...3	5-Misc Part	508-0012-00	1	SMF OMNI-BLOK FUSE BLOCK W/ 5A SLO-BLO	0	1	F4	
...3	5-Misc Part	508-0502-00	1	FUSE, THERMAL RESETTING, 2A	0	12	F1-F3, F5-F13	
...3	5-Misc Part	509-0531-00	1	HEATSINK, EXTRUDED AL 1.19 SQ. X .28 BLK	0	3	UH49-UH51	
...3	5-Misc Part	539-1701-00	2	RIVET, PUSH .161 DIA. NYLON WHITE G.R.	0	2	J4_RV1, J4_RV2	

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...3	6-Semicondu ctor/IC	600-0545-00	1	XSTR, NPN GENERAL PURPOSE AMPLIFIER	0	48	Q1-Q48	
...3	6-Semicondu ctor/IC	601-0535-00	1	DIODE, SUPER-FAST RECOVERY, SMA, 1A, 50V, GPP	0	3	D44-D46	
...3	6-Semicondu ctor/IC	601-0591-00-55	A	DIODE, MOV, 60V, 600W, SMA, LEAD FREE	0	2	D36, D43	
...3	6-Semicondu ctor/IC	601-0628-00	2	DIODE, DIODE, 500MW SWITCHING	0	12	D29-D34, D37-D42	
...3	6-Semicondu ctor/IC	601-0660-00	1	DIODE, SHOTTKY DIODE, 100V, 5.5A, D-PAK	0	5	D16-D19, D35	
...3	6-Semicondu ctor/IC	602-0010-00	2	IC, SINGLE BUS BUFFER GATE W/ 3 STATE	0	3	U84, U86, U88	
...3	6-Semicondu ctor/IC	602-0510-00	1	IC, 3.3V CMOS 1-TO-10 CLOCK DRIVER	0	4	U19-U21, U82	
...3	6-Semicondu ctor/IC	602-0570-00	1	IC, QUADRUPLE BUS BUFFER GATE WITH 3-STATE OUTPUTS	0	1	U62	
...3	6-Semicondu ctor/IC	602-0590-00	3	IC, I2C 8KB EEPROM	0	3	U28-U30	
...3	6-Semicondu ctor/IC	602-0631-00	1	IC, RS-232 TRANSCEIVER, LOW POWER 3.3V, 2-DRIVERS/2 RECEIVERS	0	3	U95-U97	
...3	6-Semicondu ctor/IC	602-0651-00	1	IC, OCTAL BUFFER/DRIVER WITH 3-STATE OUTPUTS 74LV244 TSOP	0	6	U4-U6, U25-U27	
...3	6-Semicondu ctor/IC	602-0691-00	1	IC, SINGLE GATE HEX INVERTER	0	9	U52-U57, U78-U80	
...3	6-Semicondu ctor/IC	602-0799-00	1	IC, 10/100M ETHERNET TRANCIEVER	0	3	U68-U70	
...3	6-Semicondu ctor/IC	602-0805-00	1	IC, MICRO-POWER PRECISION TRIPLE SUPPLY MONITOR	0	5	U40-U42, U65, U66	
...3	6-Semicondu ctor/IC	602-0820-00	1	IC, DIGITAL 2-WIRE TEMPERATURE SENSOR	0	6	U59, U61, U64, U74-U76	

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...3	6-Semiconductor/IC	602-0825-00	1	IC, 4-PIN PHOTOTRANSISTOR OPTOCOUPLER	0	10	ISO1-ISO10	
...3	6-Semiconductor/IC	602-0920-00	1	IC, ETHERNET SWITCH 8PORT RMII, 2PORT	0	3	U49-U51	
...3	6-Semiconductor/IC	602-1060-00	1	IC, ZERO DELAY OCTAL BUFFER, 16PIN-TSSOP, 3.3V	0	6	U7-U9, U46-U48	
...3	6-Semiconductor/IC	602-1100-00	1	IC, SDRAM, 128 MBIT, 32X4 BANKS, 86 TSOP	0	3	U31-U33	
...3	6-Semiconductor/IC	603-0531-00	1	IC, RESET GENERATOR WITH MANUAL INPUT, 400MS RESET, SC-70 PACKAGE	0	3	U37-U39	
...3	6-Semiconductor/IC	603-0551-00	1	IC, COMPARATOR, HIGH SPEED, LT1719	0	4	U81, U83, U85, U87	
...3	6-Semiconductor/IC	603-0980-00	2	IC, ARM PROCESSOR, XSCALE, PBGA 256 PIN	0	3	U22-U24	
...3	6-Semiconductor/IC	603-1020-00	1	IC, LDO, ADJ. V/3.0A OUTPUT	0	13	U10-U12, U16-U18, U34-U36, U67, U92-U94	
...3	6-Semiconductor/IC	603-1090-00	1	IC, DUAL -48V SUPPLY & FUSE MONITOR	0	1	U77	
...3	6-Semiconductor/IC	604-0553-00	1	IC, XC3S200 SPARTAN III FPGA, TQFP 144 PIN PKG, STANDARD SPEED	0	3	U13-U15	
...3	8-Connector/Socket	803-0660-00	1	CONN, 2X30 VERTICAL DOUBLE ROW, SMT, CARD EDGE, 1MM	0	24	JE1-JE24	
...3	8-Connector/Socket	803-0700-02	1	CONN, 2X15 VERTICAL DOUBLE ROW, SMT, MICRO TERMINAL STRIP, .05 PITCH	0	3	JP10-JP12	
...3	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	
...3	8-Connector/Socket	804-0031-01	1	CONN, MINI-FIT JR. RIGHT ANGLE, SINGLE ROW, 3 POSITION HEADER	0	3	J6-J8	
...3	8-Connector/Socket	804-0091-00	1	CONN, RIGHT ANGLE DB-15 THROUGH HOLE RECEPTACLE	0	3	J9-J11	

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...3	8-Connector/ Socket	804-0512-02	1	CONN, RIGHT ANGLE DB-9 THRU HOLE RECEPTACLE W/ REINFORCED BACK RETAINER	0	3	J1-J3	
...3	8-Connector/ Socket	804-0600-02	1	CONN, 50 OHM, PCB, BNC JACK, RIGHT ANGLE	0	1	J5	
...3	8-Connector/ Socket	804-0690-02	3	CONN, RJ-45 1X1, 2 LED PER, 8 POS, RT ANGLE, LOW PROFILE, SHIELDED	0	3	RJ2, RJ4, RJ6	
...3	8-Connector/ Socket	804-0765-02	1	CONN, HEADER ASSEMBLY, RIGHT ANGLE MOUNT, 3 POSITION, UNIVERSAL MATE-N-LOK	0	1	J4	
...3	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	
...3	8-Connector/ Socket	830-0520-00	2	LED, GREEN CHIPLD 0805	0	5	CR28-CR32	
...3	8-Connector/ Socket	830-0560-00	2	LED, RED/GREEN CHIPLD, 1210	0	24	D1-D15, D20-D28	
...3	Document	920-0535-02	A	FAB DRAWING, ASY-0535-02 (RBS)	0	0		
...3	1-Ops/RFN Mfg	923-0535-04	A	BOARD LEVEL ASSEMBLY DRAWING, ASY-0535-04 (RBS)	0	0		
...3	1-Ops/RFN Mfg	928-0535-03	A	SCHEMATIC, ASY-0535-04 (RBS)	0	0		
...3	Document	979-0535-00	A	RBS FUNCTIONAL TEST PROCEDURE	0	0		
...3	1-Ops/RFN Mfg	PCB-0535-02	A	PCB, RADIOBLADE SHELF (RBS)	0	1	PCB1	
.1	1-Ops/RFN Mfg	101-0891-10	B	CABINET, MC SERIES DUAL BAND,	0	1		
..2	1-Ops/RFN Mfg	101-0580-00	2	POWER DISTRIBUTION UNIT, 1U 13 CIRCUIT BREAKER UL	0	1		
..2	1-Ops/RFN Mfg	110-0890-11	A	CABINET, MC-SERIES DUAL BAND,	0	1		New top perf panel is only difference from -10 version.
..2	1-Ops/RFN Mfg	110-1241-01	A	SHELF, FOLDING 12"X1" BLK	0	1		
..2	1-Ops/RFN Mfg	123-1035-00	A	LABEL, SHELF, MAX. LOAD	0	1		
..2	5-Misc Part	510-1232-02	D	BRACKET, SHELF SUPPORT	0	15		

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..2	5-Misc Part	510-1232-11	D	BRACKET, SHELF SUPPORT, NOTCHED	0	1		
..2	5-Misc Part	510-1234-01	B	FACEPLATE, BLANK, 4U, GRAPHITE	0	2		
..2	5-Misc Part	510-1254-00	B	BULKHEAD, DUAL BAND, CABINET TOP	0	1		
..2	5-Misc Part	510-1259-00	A	FACEPLATE, 3U, BLANK W/FLANGES, GRAPHITE	0	2		
..2	5-Misc Part	520-0590-99	2	SCREW, #10-32 X 1/2, ZOS, PPH, EXT SEMS	0	14		
..2	5-Misc Part	520-0880-99	1	NUT, K-LOK, 1/4-20	0	4		
..2	5-Misc Part	521-0701-00	1	CABLE TIE, HOOK & LOOP 8" X .5" BLACK	0	15		
..2	5-Misc Part	539-0001-00	2	SCREW, RACK 10-32 X 5/8 BLK	0	56		
..2	5-Misc Part	546-0003-00	1	CAP, N-TYPE PLASTIC RED	0	18		
..2	8-Connector/Socket	802-0170-05	1	CONN, ADAPTER, TYPE-N BULKHEAD J/J PRESSURIZED	0	18		
..2	8-Connector/Socket	820-0609-00	C	ASY, CABLE, GROUND, 6AWG GRN-YLW, AL W/RING TERMINALS, 6"	0	7		
..2	8-Connector/Socket	820-0609-10	C	ASY, CABLE, GROUND, 6AWG GRN-YLW, AL W/RING TERMINALS, 12"	0	5		
..2	8-Connector/Socket	820-0625-10	C	ASY, CABLE, GND, 6AWG, DUAL LUG, 12"	0	1		
..2	Document	910-0891-10	B	SUB-LEVEL ASSEMBLY DRAWING, CABINET, MC-SERIES DUAL BAND	0	0		
.1	1-Ops/RFN Mfg	101-0970-01	A	SUB ASY, DUAL BAND RF SHELF	0	3		
..2	1-Ops/RFN Mfg	102-0011-04	C	ASY, FAN 60MM X 25MM 12VDC 37 CFM 3 WIRE	0	2		
...3	5-Misc Part	518-0002-00	1	FAN, 60MM X 25MM 12VDC 37 CFM 3 WIRE	0	1		
...3	5-Misc Part	543-0001-00	1	TUBING, HEAT SHRINK, 1/4" EXPANDED, 1/8" SHRUNKEN, PVC	0	0		
...3	8-Connector/Socket	806-0601-05	1	CONN., 3 CKT RECEPTACLE HOUSING	0	1		

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...3	8-Connector/Socket	806-0609-05	1	CONN., CONTACT, #18-24, 4.20MM, FEMALE, CRIMP	0	3		
..2	1-Ops/RFN Mfg	102-0013-04	A	ASY, FAN 60MM X 25MM 12VDC 37 CFM 3 WIRE (PULSE/TACH OUTPUT)	0	0		This fan is a alternate part for 102-0011-04
...3	5-Misc Part	518-0004-00	A	FAN, 60MM X 25MM 12VDC 37 CFM 3 WIRE (PULSE/TACH OUTPUT)	0	1		
...3	5-Misc Part	543-0001-00	1	TUBING, HEAT SHRINK, 1/4" EXPANDED, 1/8" SHRUNKEN, PVC	0	AR		As Required
...3	8-Connector/Socket	806-0601-05	1	CONN., 3 CKT RECEPTACLE HOUSING	0	1		
...3	8-Connector/Socket	806-0609-05	1	CONN., CONTACT, #18-24, 4.20MM, FEMALE, CRIMP	0	3		
..2	1-Ops/RFN Mfg	102-0692-01	A	ASY, LED HARNESS, DUAL BAND RF SHELF	0	1		
...3	5-Misc Part	510-1251-03	A	BRKT, LED, DUAL BAND RF SHELF	0	1		
...3	8-Connector/Socket	806-0621-05	A	CONN., 2.5MM PITCH KK CRIMP TERMINAL HOUSING, HIGH PRESSURE	0	1		
...3	8-Connector/Socket	806-0622-05	A	TERMINAL, 22-30AWG, CRIMP, HIGH PRESSURE	0	4		
...3	8-Connector/Socket	830-0566-00	A	LED, 3MM PANEL MOUNT, RED/GRN, 14" LEADS	0	2		
..2	1-Ops/RFN Mfg	123-0680-01	1	LABEL STOCK, 1 X 2, WHITE BLANK, SERIAL/PN/MAC ADDRESS	0	1		
..2	5-Misc Part	500-0263-05	D	800/900 MHZ TX DUPLEXER ASSEMBLY (K&L)	0	1		
...3	Document	907-0260-00	G	HRD, MC SERIES 800/900 MHZ DUAL BAND	0	0		
..2	5-Misc Part	500-0264-05	D	800/900 MHZ DUAL RX DUPLEXER ASSEMBLY	0	1		
...3	Document	907-0260-00	G	HRD, MC SERIES 800/900 MHZ DUAL BAND	0	0		
..2	5-Misc Part	500-0267-05	A	800/900 MHZ TX DUPLEXER ASSEMBLY	0	0		Substitute for K&L Filters
...3	Document	907-0260-00	G	HRD, MC SERIES 800/900 MHZ DUAL BAND	0	0		

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..2	5-Misc Part	500-0268-05	A	800/900 MHZ DUAL RX DUPLEXER ASSEMBLY (AEROFLEX)	0	0		Substitute for K&L Filters
...3	Document	907-0260-00	G	HRD, MC SERIES 800/900 MHZ DUAL BAND	0	0		
..2	5-Misc Part	508-0631-99	1	FAN, FINGER GUARD, METAL, 60MM	0	2		
..2	5-Misc Part	510-1247-01	A	CHASSIS, DUAL BAND RF SHELF	0	1		
..2	5-Misc Part	510-1248-00	B	COVER, CHASSIS, DUAL BAND RF SHELF	0	1		
..2	5-Misc Part	510-1249-00	A	BRKT, MTG, LNA, BOTTOM, DUAL BAND RF	0	1		
..2	5-Misc Part	510-1250-00	B	BRKT, MTG, LNA, TOP, DUAL BAND RF SHELF	0	1		
..2	5-Misc Part	510-1252-00	A	PLATE, MTG, DBPA, DUAL BAND RF SHELF	0	1		
..2	5-Misc Part	510-1253-02	A	TRAY, FILTER, DUAL BAND RF SHELF	0	1		
..2	5-Misc Part	514-0001-99	1	TERMINATOR, N-M W/CHAIN 2W 6GHZ, 18DB MAX VSWR @ 6GHZ	0	4		
..2	5-Misc Part	516-0010-05	B	TRIPLE OUTPUT LNA/COUPLER IDEN DUAL BAND 806-825/896-901MHZ	0	2		
...3	Document	907-0262-00	G	HRD, TRIPLE OUTPUT LNA/COUPLER IDEN DUAL BAND 806-825/896-901MHZ, 516-0010-05	0	0		
..2	5-Misc Part	516-0011-05	C	DUAL BAND PA, MULTI CHANNEL 28V, 850-870/935-940MHZ, 5WATT	0	1		
...3	Document	907-0261-00	J	HRD, PA, DUAL BAND, MULTI CHANNEL 28V, 850-870 & 935-940MHZ, 5WATT	0	0		
..2	5-Misc Part	520-0590-99	2	SCREW, #10-32 X 1/2, ZOS, PPH, EXT SEMS	0	4		
..2	5-Misc Part	520-0890-99	1	NUT, NYLON INSERT STOP, #4-40	0	10		
..2	5-Misc Part	521-0520-99	C	HANDLE, ALUMINUM, 5" CTC	0	2		
..2	5-Misc Part	521-0620-99	1	TIE WRAP, 3", BLACK	0	AR		
..2	5-Misc Part	525-0003-00	1	COMPOUND, THERMAL PASTE	0	AR		
..2	5-Misc Part	530-0220-02	1	SCREW, #6-32 X 1 1/4, PPH, ST ZN	0	8		
..2	5-Misc Part	530-0306-72	1	SCR, #8-32 X 3/8, FHP, ST ZN, UN	0	16		

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..2	5-Misc Part	531-1708-42	A	SCR, BHCS, #10-32 X .5, ZN	0	4		
..2	5-Misc Part	533-0205-00	1	SCREW, #6-32 X 5/16, PPH, SS, INT SEMS	0	18		
..2	5-Misc Part	534-0204-02	1	NUT, #6-32, KEP, ST ZN	0	9		
..2	5-Misc Part	536-0306-06	A	STANDOFF, JACK SCREW, 3/16 HEX M/F, #4-40 X 3/8, ZN	0	4		
..2	5-Misc Part	541-0007-05	1	3:1 POWER COMBINER/SPLITTER 800-940MHZ	0	1		
..2	8-Connector/Socket	820-0600-00	F	ASY, CABLE, SMA RA/RA, 4"	0	1		
..2	8-Connector/Socket	820-0600-30	F	ASY, CABLE, SMA RA/RA, 7.25"	0	2		
..2	1-Ops/RFN Mfg	820-0600-40	F	ASY, CABLE, SMA RA/RA, 13.5"	0	2		
..2	1-Ops/RFN Mfg	820-0605-31	G	ASY, CABLE SMA ST/BH, 15.5"	0	1		
..2	1-Ops/RFN Mfg	820-0606-11	G	ASY, CABLE SMA ST/ST, 12"	0	1		
..2	1-Ops/RFN Mfg	820-0626-00	C	ASY, CABLE, TYPE N BH/SMA ST, 15"	0	2		
..2	8-Connector/Socket	820-0627-00	B	ASY, CABLE, TYPE N BH/SMA BH, 19"	0	2		
..2	Document	910-0970-01	A	SUB-LEVEL ASSEMBLY DRAWING, DUAL BAND RF SHELF	0	1		
..2	1-Ops/RFN Mfg	FCT-0876-02	A	DUAL BAND RF SHELF MAIN BOARD, FUNCTIONALLY TESTED	0	1		
...3	1-Ops/RFN Mfg	123-0650-00	1	LABEL, BARCODE, BLANK STOCK, 1.25 X .25	0	1		
...3	7-Software	740-0876-01	A	SW, DBRFSMB V0.1 SERIAL PROM FPGA CODE	0	1		
...3	Document	979-0876-00	A	DUAL BAND MAIN BOARD FUNCTIONAL TEST PROCEDURE	0	0		
...3	1-Ops/RFN Mfg	ASY-0876-03	A	DUAL BAND RF SHELF MAIN BOARD, V0.3	0	1		
....4	1-Ops/RFN Mfg	110-0034-01	B	DC-DC CONVERTER, 1/2 BRICK, INPUT 36-76V, OUTPUT 28V @ 7.2A, WITH HEATSINK	0	2	PS1, PS2	
....4	1-Ops/RFN Mfg	123-1031-00	1	LABEL, BARCODE, BLANK STOCK, 1.00 X .25	0	2		

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...4	2-Resistor	201-0-0	1	RES, 0, 0603	0	40	R18, R20, R21, R23, R24, R26, R31-R41, R54, R64, R84-R86, R92, R106-R108, R117, R121, R123, R127, R129, R139, R151, R163, R177, R181, R187, R188, R218, R220	
...4	2-Resistor	201-1002-0F	1	RES, 10.0K, +/-1%, 0603	0	8	R15, R155, R156, R158, R162, R182, R190, R210	
...4	2-Resistor	201-102-0F	2	RES, 1K, +/-1%, 0603	0	6	R78-R81, R125, R131	
...4	2-Resistor	201-102-0J	1	RES, 1K, +/-5%, 0603	0	33	R1-R3, R16, R17, R27, R59, R60, R63, R68, R109, R110, R134, R136, R138, R140, R141, R153, R161, R166, R172, R174-R176, R179, R183, R184, R202- R205, R224, R226	
...4	2-Resistor	201-103-0J	1	RES, 10K, +/-5%, 0603	0	24	R76, R87-R91, R97, R98, R103, R104, R132, R142-R145, R147-R150, R154, R157, R164, R180, R211	
...4	2-Resistor	201-1101-0F	1	RES, 1.10K, 1%, 0603	0	1	R185	
...4	2-Resistor	201-113-0F	2	RES, 11K, 1%, 0603	0	2	R215, R216	
...4	2-Resistor	201-151-0J	1	RES, 150, +/-5%, 0603	0	3	R159, R170, R173	
...4	2-Resistor	201-1691-0F	A	RES, 1.69K, +/-1%, 0603	0	1	R124	
...4	2-Resistor	201-2102-0F	A	RES, 21.0K, +/- 1%, SIZE 603	0	1	R114	
...4	2-Resistor	201-2202-0F	A	RES, 22.0K, +/- 1%, SIZE 603	0	1	R118	
...4	2-Resistor	201-2211-0F	1	RES, 2.21K, +/-1%, 0603	0	1	R116	

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...4	2-Resistor	201-241-0F	A	RES, 240, +/-1%, 0603	0	1	R191	
...4	2-Resistor	201-243-0J	1	RES, 24K, +/-5%, 0603	0	2	R58, R67	
...4	2-Resistor	201-2611-0F	1	RES, 2.61K, 1%, 0603	0	1	R192	
...4	2-Resistor	201-2941-0F	A	RES, 2.94K, 1%, 0603	0	1	R120	
...4	2-Resistor	201-330-0J	1	RES, 33, +/-5%, 0603	0	11	R96, R102, R105, R111-R113, R152, R160, R165, R171, R178	
...4	2-Resistor	201-331-0J	1	RES, 330, +/-5%, 0603	0	2	R42, R47	
...4	2-Resistor	201-4531-0F	1	RES, 4.53K, 1%, 0603	0	2	R50, R53	
...4	2-Resistor	201-472-0J	1	RES, 4.7K, +/-5%, 0603	0	8	R46, R48, R51, R57, R72, R73, R207, R208	
...4	2-Resistor	201-473-0J	1	RES, 47K, +/-5%, 0603	0	5	R49, R55, R169, R212, R213	
...4	2-Resistor	201-4751-0F	1	RES, 4.75K, +/-1%, 0603	0	1	R206	
...4	2-Resistor	201-49R9-0F	1	RES, 49.9, +/-1%, 0603	0	10	R128, R130, R194- R201	
...4	2-Resistor	201-7502-0F	A	RES, 75.0K, +/- 1%, SIZE 603	0	1	R119	
...4	2-Resistor	201-75R0-0F	1	RES, 75-OHM, 1%, 0603	0	3	R61, R62, R65	
...4	2-Resistor	201-7682-0F	A	RES, 76.8K, +/-1%, 0603	0	1	R115	
...4	2-Resistor	201-8871-0F	1	RES, 8.87K, 1%, 0603	0	1	R168	
...4	2-Resistor	201-9312-0F	2	RES, 93.1K, SIZE 603, 1%	0	5	R52, R56, R167, R225, R227	
...4	3-Capacitor	301-03R9-5C	1	CAP, 3.9PF, 50V, NPO, +/-0.25PF, 0603	0	3	C25-C27	
...4	3-Capacitor	301-101-5J	2	CAP, 100PF, 50V, NPO, +/-5%, 0603	0	1	C187	
...4	3-Capacitor	301-470-5J	2	CAP, 47PF, 50V, NPO, +/-5%, 0603	0	8	C204-C211	

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...4	3-Capacitor	311-102-1M	1	CAP, 1000PF, 16V, X7R, +/-20%, 0603	0	2	C56, C57	
...4	3-Capacitor	311-103-3K	1	CAP, 0.01UF, 25V, X7R, +/-10%, 0603	0	2	C53, C55	
...4	3-Capacitor	311-103-6K	1	CAP, 0.01UF, 0603, 10%, X7R, 100V	0	2	C125, C145	
...4	3-Capacitor	311-104-3K	1	CAP, 0.1UF, 25V, X7R, +/-10%, 0603	0	123	C1-C4, C9-C13, C16-C22, C24, C28, C30, C32, C38, C40, C42, C45, C47-C50, C60-C62, C64-C86, C88, C89, C91, C92, C95-C111, C113-C123, C126, C128-C131, C134, C136, C137, C140-C143, C147-C150, C153-C158, C160-C164, C167-C175, C191	
...4	3-Capacitor	311-472-5M	1	CAP, 4700PF, 50V, X7R, +/-20%, 0603	0	2	C202, C203	
...4	3-Capacitor	312-104-5K	1	CAP, 0.1UF, 50V, X7R, +/-10%, 0805	0	3	C165, C188, C189	
...4	3-Capacitor	314-104-6M	1	CAP, 0.1UF, 100V, X7R, +/-20%, 1206	0	10	C8, C15, C23, C31, C35, C43, C44, C46, C87, C93	
...4	3-Capacitor	316-332-9M	2	CAP, 1812 SIZE, 1500V, 3300PF HIGH VOLTAGE MLC CAP	0	1	C124	
...4	3-Capacitor	319-155-6K	1	CAP, 1.5UF, 100V, X7R, +/-10%, 1825, DOUBLE TERMINATED	0	5	C94, C112, C133, C135, C178	
...4	3-Capacitor	334-106-3Z	1	CAP, 10UF, 25V, Y5V, +80%-20%, 1206	0	1	C29	
...4	3-Capacitor	351-475-R4K	A	CAP, 4.7UF, 35V, TANT, +/-10%, 3528, LEAD	0	2	C196, C198	
...4	3-Capacitor	351-476-0M	1	CAP, 47UF, TANT, 10V, 20%	0	9	C52, C54, C58, C59, C127, C152, C159, C166, C176	
...4	3-Capacitor	355-337-9M	1	CAP, SOLID TANT CHIP CAP, 330UF, 6.3V, 0.06 ESR, +/- 20%	0	1	C177	
...4	3-Capacitor	355-685-R5K	A	CAP, 6.8UF, 50V, TANT, +/-10%, 7343-31, LEAD FREE	0	9	C6, C7, C14, C132, C151, C193, C194, C197, C199	

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...4	3-Capacitor	391-105-9K	1	CAP, 1UF, 0603, 10%, X5R, 6.3V	0	4	C39, C41, C139, C146	
...4	3-Capacitor	399-152-1M	1	CAP, 1500UF, 6.3V, +/-20%, 10X10MM, LOW ESR	0	1	C138	
...4	3-Capacitor	399-331-9M	2	CAP, 330UF, 63V, +/-20%, 16X16.5MM	0	4	C5, C33, C37, C63	
...4	3-Capacitor	399-470-9M	2	CAP, 47UF, 63V, 8X10MM UR SERIES ALUMINUM ELECTROLYTIC CAP	0	6	C34, C36, C51, C90, C144, C192	
...4	4-Inductor	469-0001-1-M	A	IND, 100UH, 3ADC, +/-20%, 0.04OHM MAX, THRU-HOLE	0	0	L4, L5	Alternate part for 469-0002-1-K
...4	4-Inductor	469-0002-1-K	A	IND, 100UH, 10ADC, +/-10%, 0.080 OHM MAX, THRU-HOLE	0	2	L3, L6	
...4	4-Inductor	499-4R7-0M	3	IND, 4.7UH, 5.5A, SMT LOW PROFILE, HIGH CURRENT POWER INDUCTOR	0	1	L8	
...4	4-Inductor	499-7680-00	1	IND, COMMON MODE CHOKE, 4.7A, ~768UH, LCCI-50 PACKAGE	0	1	L7	
...4	5-Misc Part	501-0500-00	1	SMT 1.5A FERRITE BEAD	0	1	FB27	
...4	5-Misc Part	501-0530-00	3	SMT3.0A MAX. FERRITE BEAD	0	2	FB11, FB13	
...4	5-Misc Part	501-0531-00	2	SMT 4A FERRITE BEAD	0	9	FB16-FB19, FB21, FB22, FB24-FB26	
...4	5-Misc Part	501-0532-00	1	5.0A MAX FERRITE BEAD, SMT, 0805	0	14	FB1, FB3, FB6-FB10, FB12, FB14, FB15, FB20, FB23, FB28, FB29	
...4	5-Misc Part	501-0533-00	A	SMT 4A FERRITE BEAD, >550 OHM @ 100-1000MHZ, 2220 PKG	0	2	L1, L2	
...4	5-Misc Part	504-0510-00	2	3.3V CMOS 50MHZ CLOCK OSCILLATOR	0	1	Y1	
...4	5-Misc Part	507-0510-00	1	SMT SPST SEALED TACTILE PB SWITCHES	0	1	SW5	
...4	5-Misc Part	507-0515-00	1	ULTRA MINI SMT HALF PITCH DIP SWITCH, 4-POS REV 1	0	4	SW1-SW4	
...4	5-Misc Part	508-0012-00	1	SMF OMNI-BLOK FUSE BLOCK W/ 5A SLO-BLO	0	1	F2	
...4	5-Misc Part	508-0504-00	1	FUSE, THERMAL RESETING, 750MA	0	3	F1, F3, F4	
...4	5-Misc Part	509-0530-00	1	HEATSINK SMT, FOR TO-263	0	3	H1, H2, H4	
...4	5-Misc Part	539-1701-00	2	RIVET, PUSH .161 DIA. NYLON WHITE G.R.	0	2		

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....4	6-Semicondu ctor/IC	601-0540-00	1	DIODE, 1A SURFACE MOUNT GLASS PASSIVATED RECTIFIER	0	1	D15	
....4	6-Semicondu ctor/IC	601-0591-00	2	DIODE, MOV, 60V, 600W, SMA	0	1	D14	
....4	6-Semicondu ctor/IC	601-0628-00	2	DIODE, DIODE, 500MW SWITCHING	0	10	D1-D6, D9-D12	
....4	6-Semicondu ctor/IC	601-0660-00	1	DIODE, SHOTTKY DIODE, 100V, 5.5A, D-PAK	0	3	D7, D8, D13	
....4	6-Semicondu ctor/IC	602-0050-00	A	IC, 6-PORT 10/100 ETHERNET SWITCH	0	1	U32	
....4	6-Semicondu ctor/IC	602-0570-00	1	IC, QUADRUPLE BUS BUFFER GATE WITH 3- STATE OUTPUTS	0	1	U31	
....4	6-Semicondu ctor/IC	602-0590-00	3	IC, I2C 8KB EEPROM	0	1	U28	
....4	6-Semicondu ctor/IC	602-0692-00	1	IC, DUAL INVERTER GATE - LITTLE LOGIC,	0	2	U9, U11	
....4	6-Semicondu ctor/IC	602-0764-00	3	IC, 3 VOLT INTEL R STRATAFLASH MEMORY, TSOP, 128MBIT	0	1	U22	
....4	6-Semicondu ctor/IC	602-0805-00	1	IC, MICRO-POWER PRECISION TRIPLE SUPPLY MONITOR	0	1	U34	
....4	6-Semicondu ctor/IC	602-0817-00	1	IC, MICREL MIC842 VOLT COMPARATOR WITH	0	7	U10, U13, U19, U20, U30, U38, U39	
....4	6-Semicondu ctor/IC	602-0820-00	1	IC, DIGITAL 2-WIRE TEMPERATURE SENSOR	0	3	U1, U8, U29	
....4	6-Semicondu ctor/IC	602-0825-00	1	IC, 4-PIN PHOTOTRANSISTOR OPTOCOUPLER	0	6	ISO1-ISO6	
....4	6-Semicondu ctor/IC	602-0905-00	1	IC, 1:4 CLOCK BUFFER	0	1	U18	
....4	6-Semicondu ctor/IC	602-0940-00	1	IC, LITTLE LOGIC SINGLE POSITIVE-EDGE- TRIGGERED D-TYPE FLIP-FLOP	0	1	U17	

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....4	6-Semicondu ctor/IC	602-1010-00	1	IC, UP SUPERVISORY CIRCUIT, DUAL VOLTAGE	0	1	U33	
....4	6-Semicondu ctor/IC	602-1220-00	1	IC, EPROM FOR SPARTANII	0	1	U26	This part will be programmed during functional test
....4	6-Semicondu ctor/IC	603-0001-00	1	IC, OP-AMP, SINGLE, RRIO, 1MHZ, 2.7-15V, SOT23-5	0	3	U5-U7	
....4	6-Semicondu ctor/IC	603-0554-00	1	IC, XC3S200 SPARTAN III FPGA, PQFP 208 PIN PKG, STANDARD SPEED	0	1	U24	
....4	6-Semicondu ctor/IC	603-0689-00	A	LDO, ADJUSTABLE REGULATOR, 3AMP, 30V INPUT, D2PAK-A	0	1	U41	
....4	6-Semicondu ctor/IC	603-0690-00	A	LDO, 12V REGULATOR, 3AMP, 30V INPUT,	0	2	U35, U36	
....4	6-Semicondu ctor/IC	603-1010-00	2	IC, LDO, ADJ. V/1.5A OUTPUT	0	1	U42	
....4	6-Semicondu ctor/IC	603-1020-00	1	IC, LDO, ADJ. V/3.0A OUTPUT	0	2	U14, U15	
....4	6-Semicondu ctor/IC	603-1081-00	A	IC, HIGH VOLTAGE, 3A, 60V INPUT, ADJUSTABLE, STEP-DOWN SWITCHING	0	1	U23	
....4	6-Semicondu ctor/IC	603-1082-00	A	IC, HIGH VOLTAGE, .050A, 60V INPUT, 5V OUTPUT, LINEAR REGULATOR	0	1	U25	
....4	6-Semicondu ctor/IC	603-1124-00	1	IC, ADC 10BIT, 188KSPS, 4CH, I ² C/SER 2-WIRE	0	1	U12	
....4	6-Semicondu ctor/IC	603-1125-00	1	IC, 2.5V ±0.6% LOW NOISE PRECISION VOLTAGE REFERENCE WITH SHUTDOWN	0	1	U16	
....4	6-Semicondu ctor/IC	604-0530-00	1	IC, XC9572XL HIGH PERFORMANCE CPLD	0	1	U21	
....4	8-Connector/ Socket	803-0550-00	1	CONN, 2 X 5 VERTICAL DOUBLE ROW, SMT,	0	1	JP2	
....4	8-Connector/ Socket	803-0750-00	2	CONN, 2 X 7 VERTICAL DOUBLE ROW, SMT, 2MM SPACING	0	1	JP1	

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...4	8-Connector/Socket	804-0031-01	1	CONN, MINI-FIT JR. RIGHT ANGLE, SINGLE ROW, 3 POSITION HEADER	0	2	J10, J11	
...4	8-Connector/Socket	804-0033-02	A	CONN, MINI-FIT JR. VERT, SINGLE ROW, 4POSITION HEADER	0	2	J3, J5	
...4	8-Connector/Socket	804-0034-02	A	CONN, MINI-FIT JR., VERTICAL, SINGLE ROW, 3 POSITION HEADER	0	2	J2, J4	
...4	8-Connector/Socket	804-0035-02	A	CONN, HEADER, 1X4, THRU HOLE, WITH FRICTION LOCK, .1 SPACING	0	1	J1	
...4	8-Connector/Socket	804-0093-00	1	CONN, DB15 COMBINATION CONNECTOR, FEMALE, RIGHT ANGLE	0	1	J8	
...4	8-Connector/Socket	804-0094-02	A	CONN, DUAL RIGHT ANGLE DB-15 THROUGH HOLE RECEPTACLE, FEMALE TOP, MALE	0	1	J7	
...4	8-Connector/Socket	804-0095-02	A	CONN, DUAL RIGHT ANGLE DB-15 THRU HOLE RECEPTACLE, FEMALE TOP, MALE BOTTOM, 8.18MM MTG HOLE	0	0	J7	Use as alternate part
...4	8-Connector/Socket	804-0728-02	A	CONN, 10/100BASE-TX TRANSFORMER MODULE, 1:1, AUTOMDIX, GREEN LEDS	0	2	XJ1, XJ2	
...4	8-Connector/Socket	804-0765-02	1	CONN, HEADER ASSEMBLY, RIGHT ANGLE MOUNT, 3 POSITION, UNIVERSAL MATE-N-LOK	0	1	J9	
...4	8-Connector/Socket	830-0510-00	2	LED, SUPER-RED HYPER CHIPLD 0805	0	1	CR1	
...4	Document	920-0876-02	A	FAB DRAWING, DUAL BAND RF SHELF MAIN BOARD (DBRFSMB)	0	0		
...4	Document	923-0876-01	A	BRD-LEVEL ASSEMBLY DRAWING, DUAL BAND RF SHELF MAIN BOARD (DBRFSMB)	0	0		
...4	Document	928-0876-03	A	SCHEMATIC, DUAL BAND RF SHELF MAIN BOARD (DBRFSMB)	0	0		
...4	1-Ops/RFN Mfg	PCB-0876-01	A	PCB, DUAL BAND RF SHELF MAIN BOARD	0	1	PCB1	
.1	1-Ops/RFN Mfg	102-0700-00	A	KIT, CABINET HARNESS, MC-SERIES	0	1		
..2	1-Ops/RFN Mfg	111-0020-01	A	PDU CABLE HARNESS BUILD (POWER DISTRIBUTION UNIT)	0	1		
...3	1-Ops/RFN Mfg	123-1034-00	A	LABEL, WARNING, POWER CABLE	0	1		

RadioFrame Networks Proprietary

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BOM EXPLOSION REPORT

Part Number 101-0507-01
 Part Revision E
 Part Description MC-SERIES DUAL BAND RACK BUILD -
 ELECTORACK



Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	1-Ops/RFN Mfg	123-1042-00	A	LABEL STOCK, 1.00" X 1.437", WHITE BLANK	0	26		
...3	5-Misc Part	521-0701-00	1	CABLE TIE, HOOK & LOOP 8" X .5" BLACK	0	4		
...3	5-Misc Part	521-0702-00	1	CABLE TIE, LOCKING .19" X 8" BLACK	0	20		
...3	8-Connector/Socket	820-0613-00	E	ASY, CABLE, POWER, ISC, 78"	0	2		
...3	8-Connector/Socket	820-0614-10	G	ASY, CABLE, POWER, AIC/BIC, 90"	0	2		
...3	8-Connector/Socket	820-0615-00	F	ASY, CABLE, POWER, -48VDC, CSU, 78"	0	1		
...3	8-Connector/Socket	820-0616-10	F	ASY, CABLE, POWER, DC, M/M, 53"	0	2		
...3	8-Connector/Socket	820-0616-20	F	ASY, CABLE, POWER, DC, M/M, 61"	0	1		
...3	8-Connector/Socket	820-0616-30	F	ASY, CABLE, POWER, DC, M/M, 84"	0	2		
...3	8-Connector/Socket	820-0616-50	F	ASY, CABLE, POWER, DC, M/M, 98"	0	2		
...3	8-Connector/Socket	820-0622-00	D	ASY, CABLE, ALARM, PDU	0	1		
...4	8-Connector/Socket	806-0600-05	2	CONN, MOD, RJ-45 PLUG, 8-8 ROUND,	0	1		
...4	8-Connector/Socket	806-0604-05	1	CONN., PLUG, 3 CIRCUIT, UNIVERSAL MATE-N-	0	1		
...4	8-Connector/Socket	806-0620-05	A	CONN., PIN, UNIVERSAL MATE-N-LOK, 30-26AWG	0	2		
...4	8-Connector/Socket	825-0552-00	2	WIRE, 28AWG, UL1061, 80°C, 300V, ORANGE	0	2		
..2	1-Ops/RFN Mfg	111-0030-10	D	TOR CABLE HARNESS BUILD DUAL BAND (TOP-OF-RACK)	0	1		

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Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
...3	1-Ops/RFN Mfg	123-1042-00	A	LABEL STOCK, 1.00" X 1.437", WHITE BLANK	0	18		
...3	5-Misc Part	521-0702-00	1	CABLE TIE, LOCKING .19" X 8" BLACK	0	41		
...3	5-Misc Part	546-0005-00	1	CAP, ROUND VINYL .312 ID .410 OD X .5 HIGH RED	0	6		
...3	8-Connector/Socket	820-0610-30	D	ASY, CABLE, LMR-195-PVC, SMA ST/N-TYPE, 51"	0	18		
..2	1-Ops/RFN Mfg	111-0040-00	B	RF/ALARM CABLE HARNESS BUILD	0	1		
...3	1-Ops/RFN Mfg	123-1042-00	A	LABEL STOCK, 1.00" X 1.437", WHITE BLANK	0	18		
...3	5-Misc Part	521-0701-00	1	CABLE TIE, HOOK & LOOP 8" X .5" BLACK	0	6		
...3	5-Misc Part	521-0702-00	1	CABLE TIE, LOCKING .19" X 8" BLACK	0	14		
...3	8-Connector/Socket	820-0611-21	D	ASY, CABLE, LMR-195-PVC, SMA ST/ST, 92"	0	6		
...3	8-Connector/Socket	820-0623-00	A	CABLE, HIGH DENSITY, DB-15, M/M, 8'	0	3		
..2	1-Ops/RFN Mfg	111-0050-10	B	DATA/CLOCK CABLE HARNESS BUILD DUAL BAND	0	1		
...3	1-Ops/RFN Mfg	111-0001-02	C	COAX, RG58/U, 1 METER, BNC M TO BNC M	0	2		
...3	1-Ops/RFN Mfg	111-0567-00	B	CABLE, CAT5E, STRAIT, BLACK, 1 FT.	0	2		
....4	8-Connector/Socket	806-0600-05	2	CONN, MOD, RJ-45 PLUG, 8-8 ROUND,	0	2		
...3	1-Ops/RFN Mfg	111-0567-10	B	CABLE, CAT5E, STRAIT, BLACK, 7 FT.	0	6		
....4	8-Connector/Socket	806-0600-05	2	CONN, MOD, RJ-45 PLUG, 8-8 ROUND,	0	2		
...3	1-Ops/RFN Mfg	123-1042-00	A	LABEL STOCK, 1.00" X 1.437", WHITE BLANK	0	14		
...3	5-Misc Part	521-0701-00	1	CABLE TIE, HOOK & LOOP 8" X .5" BLACK	0	5		
...3	5-Misc Part	521-0702-00	1	CABLE TIE, LOCKING .19" X 8" BLACK	0	8		

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Level	Part Type	Item Number	Rev	Item Description	Find Num	Qty	Ref Des	BOM Notes
.1	5-Misc Part	510-1220-90	H	FRONT PANEL, BLANK (FACEPLATE EJECTOR)	0	9		
.1	5-Misc Part	510-1227-03	A	BRACKET, CABLE, RBS	0	1		
.1	5-Misc Part	510-1235-01	A	BRACKET, CABLE SUPPORT, RBS	0	1		
.1	5-Misc Part	514-0002-00	B	TERMINATOR, 50 OHM SMA	0	27		
.1	5-Misc Part	520-0880-99	1	NUT, K-LOK, 1/4-20	0	6		
.1	5-Misc Part	520-0960-00	1	SCREW, #6-32 X 1/4, ZOS, PPH, INT SEMS	0	4		
.1	5-Misc Part	521-0702-00	1	CABLE TIE, LOCKING .19" X 8" BLACK	0	6		
.1	5-Misc Part	533-0205-03	1	SCR, #6-32 X 5/16, BLK OX, INT SEMS	0	18		
.1	5-Misc Part	539-0001-01	1	SCREW, RACK 10-32 X 1.00 BLK	0	26		

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