REV	DWG NO
01	80-00281-00

DIMENSIONS ARE IN INCHES

MAXIMUM INTERNAL RADIUS - .016
BREAK EDGES .010 X 45° MAXIMUM
DIM AND TOL APPLY BEFORE FINISH
CONCENTRICITY - .008 TIR
UNLESS OTHERWISE NOTED

SURFACE 63 / 32

HOLE TOLERANCE ± .003

DIAMETER/ LINEAR DIMENSIONS	< .100	> .100 < 1.00	> 1.00 < 5.00	> 5.00 < 12.00	> 12.00 < 36.00	> 36.00 < 72.00
TOLERANCE	± .005	± .010	± .015	± .020	± .050	± .125

RADIII CHAMFER DIMENSION	> .016 < .125	> .125 < .250	> .250 < 1.00	> 1.00 < 5.00	> 5.00 < 12.00
TOLERANCE	± .005	± .010	± .016	± .063	± .125

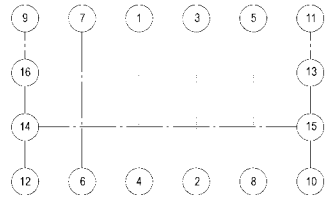
ANGULAR SHORTEST SIDE DIM	> .016 < .500	> .500 < 24.0	> 24.0 < 48.0	> 48.0 < 96.0
TOLERANCE	±1°	±0.5°	±0.3°	±0.2°

UNIQUE PARTS LIST CHART

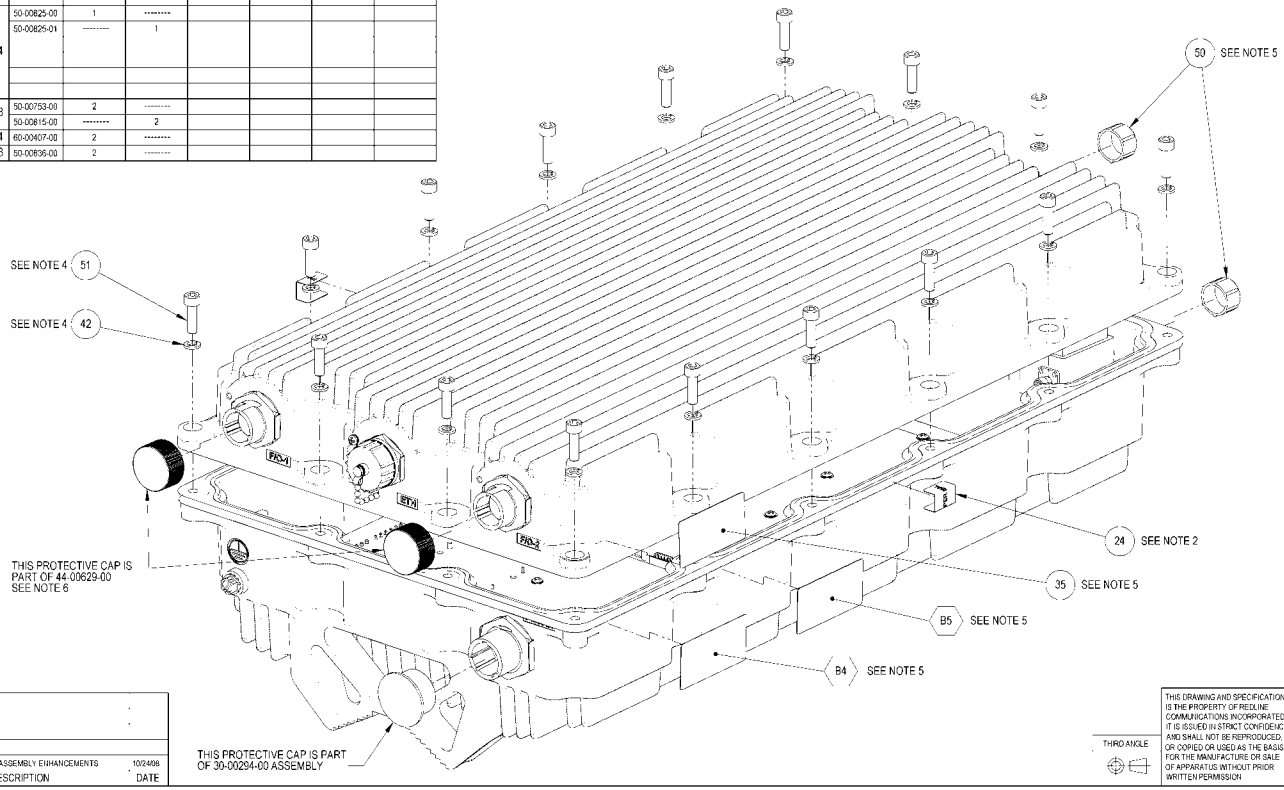
SYMBOL	DESCRIPTION	ITEM	PART NUMBER	BILL OF MATERIALS AND QUANTITIES: RRH-SC1000, 3.5 GHz	RRH-SC1000, 2.5 GHz				
				23-00081-00	23-00082-00				
B1	PCA, ASSY, MBTRX	11	33-00033-01	1	--------				
			33-00033-02	--------	1				
B2	PCA, ASSY, RFFE	12	33-00041-01	2	--------				
			33-00054-00	--------	2				
B3	BAND PASS CAVITY FILTER	19	46-00183-00	2	--------				
			46-00184-00	--------	2				
B4	LABEL, PRODUCT, P.O.D.	33	50-00824-00	1	--------				
			50-00824-01	--------	1				
B5	LABEL, COMPLIANCE, P.O.D.	34	50-00825-00	1	--------				
			50-00825-01	--------	1				
B6	SHIELD, RFFE	28	50-00753-00	2	--------				
			50-00815-00	--------	2				
B7	SCREW, SHIELD	54	60-00407-00	2	--------				
B8	PAD EMI	36	50-00836-00	2	--------				

NOTES (UNLESS OTHERWISE SPECIFIED):

1. FOR TORQUE VALUES OF FASTENERS REFER TO GENERIC PARTS LIST CHART. ALL TORQUE VALUES TO BE WITHIN ±10%.
2. ADHERE ITEM 24, AROUND THE COVER AND HOUSING AS SHOWN IN TWO PLACES.
3. PRIOR TO FINAL ENCLOSURE ASSEMBLY OF THE COVER ASSEMBLY ONTO THE HOUSING ASSEMBLY, MAKE CERTAIN ALL CABLES ARE PROPERLY SECURED AND ROUTED AS TO NOT INTERFERE WITH THIS FINAL ASSEMBLY. REFER TO 80-00281-00 SHEET 5 FOR FIGURES SHOWING CABLE DRESSING.
4. ASSEMBLE ALL OF ITEMS 42 AND 51 LOOSELY, THEN TIGHTEN TO SPECIFIED TORQUE REFERING TO DIAGRAM FOR COVER SCREW TORQUE SEQUENCE.
5. ITEMS 33, 34, 35 AND 50 ARE FOR REFERENCE ONLY AND USED ON THIS DRAWING TO LOCATE ON THE ASSEMBLY. USE BOM 13-000XX-00 FOR DETAILS ON THESE ITEMS.
6. TIGHTEN CAPS BY HAND FIRST, THEN, USING A SOFT JAW TOOL APPLY 1/8 TO 1/4 TURN TO SECURE. CARE MUST BE GIVEN SO THAT NO DAMAGE MUST COME TO THE CAP WITH THE TOOL AND OR OVER TIGHTENING.
7. THE NOTES ON THE FOLLOWING SHEETS ARE UNIQUE TO THAT SPECIFIC SHEET ONLY.
8. PARTS ON DRAWING ARE GENERICALLY DRAWN AND MAY NOT REPRESENT TRUE FORM AND/OR SHAPE OF ACTUAL PART IN FINAL ASSEMBLY.



COVER SCREW TORQUE SEQUENCE



GENERIC PARTS LIST CHART

ITEM	QTY.	PART NO.	DESCRIPTION	NOTES
1	2	30-00292-00	CABLE ASSY, RFFE DC POWER JUMPER, 13.0 IN	NOT SHOWN ON DWG.
2	1	30-00293-00	CABLE ASSY, MBTRX DC POWER JUMPER, 9.0 IN	NOT SHOWN ON DWG.
3	1	30-00294-00	CABLE ASSY, DC POWER IN JUMPER, 5.0 IN	ONLY CONNECTOR SHOWN
4	1	30-00295-00	WIRE ASSY, CHASSIS GROUND, 9.0 IN	NOT SHOWN ON DWG.
5	2	30-00297-00	CABLE ASSY, RF, RFFE (SMA) TO CAVITY FILTER (SMA), 6.0 IN	NOT SHOWN ON DWG.
6	1	30-00298-00	CABLE ASSY, RJ45 JUMPER, CAT 5e SINGLE SHIELD, 6.25 IN	NOT SHOWN ON DWG.
7	2	30-00299-00	CABLE ASSY, 20 COND. RIBBON, MBTRX TO RFFE, 17.0 IN	NOT SHOWN ON DWG.
8	1	30-00300-00	CABLE ASSY, 14 COND. RIBBON, MBTRX TO PWR. MOD., 14.0 IN	NOT SHOWN ON DWG.
9	4	30-00302-00	CABLE ASSY, RF, STRAIGHT MCX TO STRAIGHT MCX, 22.5 IN	NOT SHOWN ON DWG.
10	2	30-00303-00	CABLE ASSY, RF, STRAIGHT MCX TO STRAIGHT MCX, 17.0 IN	NOT SHOWN ON DWG.
11	SEE UNIQUE P/L CHART		PCA ASSY, MBTRX, RRH, SC-1000	
12	SEE UNIQUE P/L CHART		PCA ASSY, RFFE, RRH, SC-1000	
13	1	33-00049-00	PCA ASSY, POWER SUPPLY MODULE, RRH, SC-1000	
14	1	44-00627-00	CONNECTOR, RJ45 JACK, STRAIGHT PANEL, CAT 5e, SHIELDED	
15	1	44-00628-00	CAP WITH LANYARD FOR LTW RJ45 CONNECTOR	TIGHTEN SECURELY BY HAND
16	2	44-00629-00	CONNECTOR, RECEPTACLE, PT/LC-T THD JAM REAR FLANGE	
17	1	44-00653-00	CABLE ASSY, LC TO LC, MULTIMODE DUPLEX FIBER, 21.25 IN	NOT SHOWN ON DWG.
18	1	44-00654-00	CABLE ASSY, LC TO LC, MULTIMODE DUPLEX FIBER, 17.5 IN	NOT SHOWN ON DWG.
19	SEE UNIQUE P/L CHART		BAND PASS CAVITY FILTER	
20	1	50-00376-00	PAD, THERMAL INTERFACE, 2.3" X 2.4" X .020"	
21	1	50-00453-00	WASHER, EXTERNAL TOOTH RETENTION, 3/4"OD X 7/16"ID X .015"TH.	
22	2	50-00641-00	WASHER, TAB LOCK, N-TYPE	
23	1	50-00653-00	WASHER, TAB LOCK, RJ45, LTW	
24	2	50-00720-00	LABEL, TAMPER SEAL	
25	1	50-00750-00	HOUSING, DIE CAST, RRH, SC-1000	
26	1	50-00751-00	COVER, DIE CAST, RRH, SC-1000	
27	1	50-00752-00	GASKET, ENCLOSURE, MOULDED, RRH, SC-1000	
28	SEE UNIQUE P/L CHART		SHIELD, RF, RFFE, MACHINED, RRH, SC-1000	
29	1	50-00765-00	SHIELD, RF, MBTRX, MACHINED, RRH, SC-1000	
30	2	50-00804-00	BRACKET, FIBER OPTIC CABLE CORNER GUIDE	
31	1	50-00817-00	PAD, THERMAL INTERFACE, 2.25" X 1.45" X .160"	
32	3	50-00821-00	PAD, THERMAL INTERFACE, 1.00" X 1.00" X .040"	
33	SEE UNIQUE P/L CHART		LABEL, PRODUCT ID, PRINT-ON-DEMAND, RRH, SC-1000	
34	SEE UNIQUE P/L CHART		LABEL, COMPLIANCE, PRINT-ON-DEMAND, RRH, SC-1000	
35	1	50-00825-00	LABEL, FCC NOTICE, PRINT-ON-DEMAND, RRH, SC-1000	
36	1	50-00827-00	WASHER, TAB LOCK, POWER CONNECTOR, RRH, SC-1000	
37	2	50-00828-00	WASHER, TAB LOCK, FIBER OPTIC CONNECTOR, RRH, SC-1000	
38	SEE UNIQUE P/L CHART		PAD, EMI ABSORBER, 1.95" X 1.55"	
39	1	60-00022-00	SCREW, 10-32 X 1/2, SLOT/HEX, GREEN ZINC	HAND TIGHT
40	2	60-00046-00	SCREW, 6-32 X 5/16, PPHMS, INTERNAL SEMS, SSTL.	TORQUE 8 in-lb
41	1	60-00092-00	LOCKWASHER, #10, EXTERNAL TOOTH, SSTL.	
42	16	60-00112-00	LOCKWASHER, #10, HELICAL SPRING, SSTL.	
43	3	60-00176-00	CLAMP, CABLE, NYLON, FOR 0.38 DIA. WIRE	
44	2	60-00211-00	HUMIDISORB PACKET, 2" X 2"	
45	15	60-00212-00	CABLE TIE, 4.52" X .100", NYLON, NATURAL	NOT SHOWN ON DWG.
46	31	60-00224-00	SCREW, 4-40 X 1/4, PPHMS, INTERNAL SEMS, SSTL.	TORQUE 6 in-lb
47	1	60-00248-00	MEMBRANE, PRESSURE VENT, ADHESIVE, WHITE	
48	1	60-00249-00	WASHER, FLAT, 3/4"OD X .515"ID X .031"TH, NEOPRENE	
49	AS REQD	60-00261-00	THERMAL GREASE COMPOUND	
50	2	60-00356-00	CAP, PROTECTIVE, THREADED, 5/8-24, RED	
51	16	60-00388-00	SCREW, 10-32 X 5/8, SHCS, SSTL.	TORQUE 20 in-lb
52	3	60-00404-00	CORNER GUIDE, 35 mm RADIUS, FIBER MANAGEMENT	
53	5	60-00406-00	SCREW, 4-40 X 1/4, TYPE 23, PHILLIPS, PAN HEAD, SSTL.	TORQUE 6 in-lb
54	23+ CHART	60-00407-00	SCREW, 4-40 X 1.00, PPHMS, INTERNAL SEMS, SSTL.	TORQUE 6 in-lb
55	29	60-00408-00	SCREW, 4-40 X 3/4, PPHMS, INTERNAL SEMS, SSTL.	TORQUE 6 in-lb
56	3	60-00416-00	CABLE TIE, 2.875" X .064", NYLON, NATURAL	NOT SHOWN ON DWG.
57	1	60-00417-00	CLAMP, CABLE, .4375" DIA., PLASTISOL DIPPED ALUMINUM	
58	3	60-00422-00	SXREW, 4-40 X 1-1/8, PPHMS, SSTL.	

REV	DESCRIPTION	DATE
01	VARIOUS DESIGN AND ASSEMBLY ENHANCEMENTS	10/24/08

THIRD ANGLE

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QTY	USED ON

MATERIAL: SEE CHART
FINISH: N/A
DRAWN: D.P. DATE: 09/03/08
CHECKED / DATE
FINISH / DATE
APPROVED / DATE
DO NOT SCALE DRAWING
SHEET 1 OF 5
SCALE: N.T.S.

Redline communications
302 TOWNSLEY STREET S. NO. SUITE 130
WHITBY, ONTARIO CANADA L1P 1C8

TITLE: DRAWING, ASSY, RADIO REMOTE HEAD, DIE CAST, GENERIC, RRH, SC-1000

SIZE	DWG NO	REV
D	80-00281-00	01