

**COBHAM DEFENSE
ELECTRONIC SYSTEMS**
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SOURCE INFORMATION IS FOR THE CONVENIENCE OF THE PROCURING ACTIVITY. IT IS NOT TO BE CONSTRUED AS RESTRICTING QUALIFIED SOURCES OF PROCUREMENT.

DWG.NO. 501570-2 SH 1

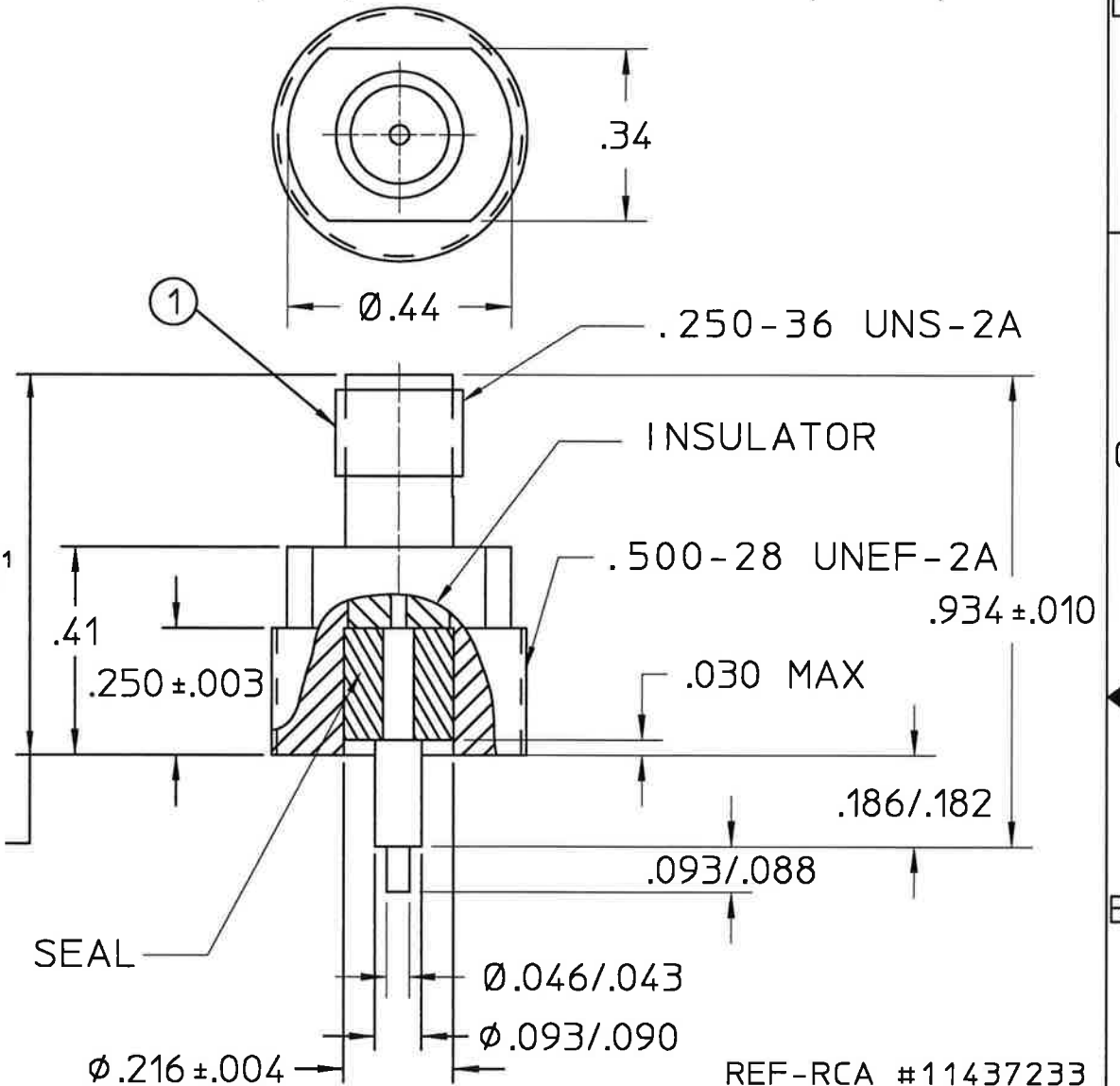
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
G	CHANGED PER ECO 14053 TMM	6/3/14	<i>[Signature]</i>

NOTES:

- MAKE FROM ITEM 1 (REQUIREMENTS OF ITEM 1 APPLY EXCEPT AS NOTED BY THIS DRAWING).
- AFTER MACHINING REMOVE BURRS AND BREAK EDGES .005 MAX RADIUS OR CHAMFER.
- PRESSURE RATING:
 - CONNECTOR SHALL BE CAPABLE OF WITHSTANDING 30 PSIG. THE LEAK RATE AT THE CONNECTOR BODY SHALL BE ZERO BUBBLES WHEN SUBMERSED IN FC77 LIQUID OR EQUIVALENT FOR 5 MINUTES WITH THE CONNECTOR PORT CAPPED USING OMNI-SPECTRA 2021-1311-00 DUST COVER OR EQUIVALENT AND END OPPOSITE DUST COVER PRESSURIZED AT 30 PSIG USING AIR.
 - A LEAK RATE OF 50 CC PER MINUTE MAX USING 2 PSIG AIR SHALL ALSO APPLY AFTER PASSING NOTE 3.1 LEAK RATE IS MEASURED AT THE SMA END WITHOUT USING THE DUST COVER AND PRESSURIZED AT THE END OPPOSITE THE SMA
 - THE PRESSURE RATING OF THE CONNECTOR SHALL NOT BE DEGRADED AFTER THE CENTER CONDUCTOR IS SUBJECTED TO A TEMPERATURE OF 450° F MINIMUM.
- IMPEDANCE : 50 ±5 OHMS SHALL BE MAINTAINED THROUGHOUT THE COAXIAL LINE SECTION,
- VSWR 1.10:1 MAX FOR 501570-2 CONNECTOR. TEST 100%. MEASURE VSWR OF CONNECTOR USING THE SLIDING LOAD ASSEMBLY RAYTHEON DRAWING G124115 OR EQUIVALENT.
- SUGGESTED SOURCE(S) OF SUPPLY:

EAST COAST MICROWAVE.
70 TOWER OFFICE PART
WOBURN, MA 01801
CODE IDENT NO.
PART NO: TBD
- REFERENCE ARMY P/N 11437233-2

COAX LINE SECTION
SEE NOTE 4



1	1	501570-1	CONNECTOR, RECEPTACLE
ITEM	QTY	PART NUMBER	DESCRIPTION

N/A SPECIFICATION S-100-101 APPLIES DO NOT SCALE THIS DRAWING		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN DATE MM 11/15/83	
NOTE: THIS DRW INCORPORATES THIRD ANGLE PROJECTION 		TOLERANCES ON		RL 1/23/84	
		DECIMALS	ANGLES	ENGRG DATE CRL 1/26/84	
		.X ± .1	±2°	PROD ENGRG DATE JP 7/8/84	
		.XX ± .01		MFG MGR DATE HT 2/3/84	
.XXX ± .005	MATERIAL SEE NOTE 2.1. & 2.2				
MA58502 D-501573-1	MA58500 D-501573-1	FINISH SEE NOTE 2.1, 2.2 & 2.3		APPLICATION	
MA58501 D-501573-1	MA58655 D-501573-1				

COBHAM CONTINENTAL MICROWAVE AND TOOL COMPANY, INC. DBA COBHAM ANTENNA SYSTEMS 11 CONTINENTAL DRIVE EXETER, NH 03833		
TITLE CONNECTOR, RECEPTACLE		
SIZE B	CAGE CODE 66544	DRAWING NO. 501570-2
SCALE: X/X	WEIGHT <i>[Symbol]</i>	SHEET 1 OF 1