

4

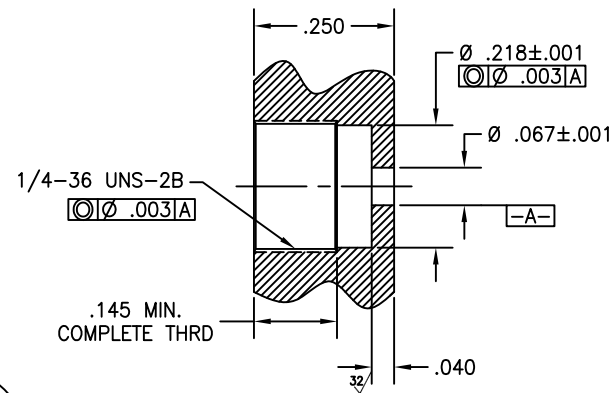
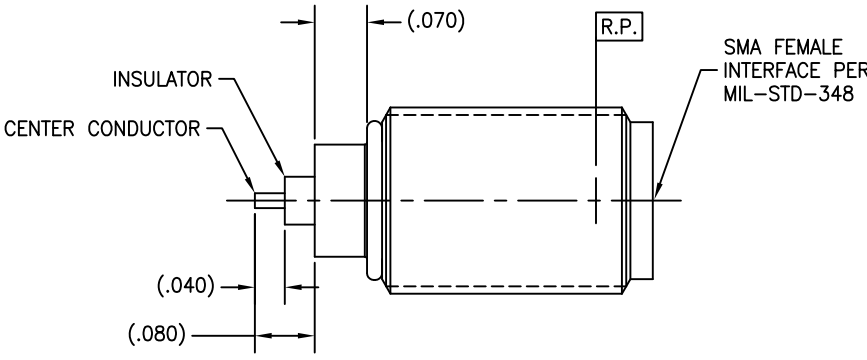
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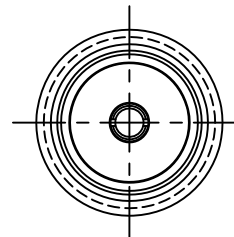
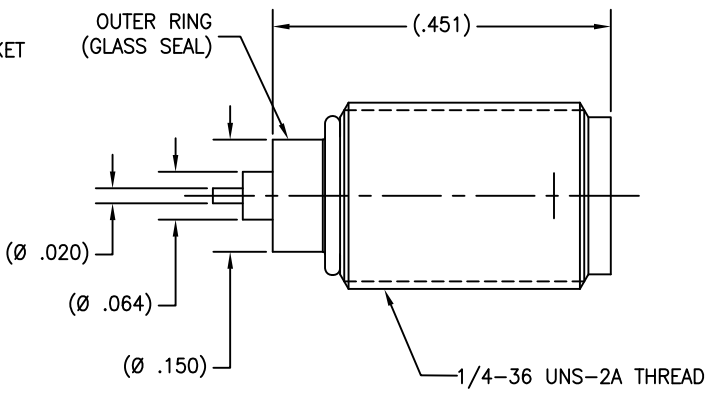
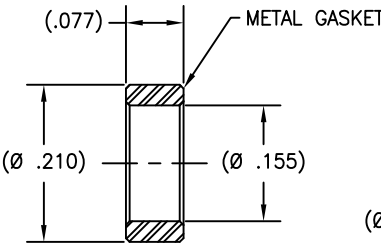
1

P/N
CC
CCSF

REVISIONS			
REV	DESCRIPTION	DATE	BY
A	ECO 15710	05.29.03	DKN
B	ECO 28798 (COMBINED CC & CCSF)	05.07.15	JR



RECOMMENDED MOUNTING HOLE
Scale: 6:1



MATERIAL:	ELECTRICAL:	MECHANICAL:	ENVIRONMENTAL:
Body: 303 sst per ASTM A-582. Center Conductor: BeCu alloy per ASTM B-196. Insulator: PTFE PER ASTM D-1710 Outer Ring & Contact: Iron, Nickel-Cobalt (kovar) Glass Seal: Corning 7052 Metal Gasket: 303 SST PER ASTM A-582	Impedance: 50 Ohms Nom. Freq. Range: DC TO 18 GHz VSWR: 1.05 + .005 x f (GHz) Insertion Loss: .05 x √f GHz Working Voltage: 500 Vrms @ Sea Level Insulation Resistance: 5000 Mohms Dielectric Withstand Voltage: 1500 V rms RF HiPot Voltage: 670 Vrms Min @ 5MHz RF Leakage: -(90 - f GHz) dB Corona Level: 250 Vrms @ 70,000 ft Contact Resistance Center Conductor: Before Environmental: 8.0 Milliohms After Environmental: 9.0 Milliohms	Interface Dimensions: MIL-PRF-39012 Connector Durability: 500 cycles Center Contact Retention: 6 lbs Min Axial N/A Radial Force To Engage & Disengage: 2 inch-pounds max.	Temp. Range: -65°C to +165°C Thermal Shock: MIL-STD-202, Method 107, Test Cond. B Moisture Resistance: MIL-STD-202, Method 106. Insulation resistance at least 200 MegaOhms within 5 minutes after removal from humidity Corrosion: MIL-STD-202, Method 101, Test Cond. B Vibration: MIL-STD-202, Method 204, Test Cond. D Shock: MIL-STD-202, Method 213, Test Cond. I

FINISH:
Body:
 For 5961CCSF: Passivate per ASTM A 967.
 For 5961CC: Gold plate per ASTM B 488, Type II, Code C, Class 0.25, over nickel under plate per SAE-AMS-QQ-N-290, Class 1.
Outer Ring & Center Conductor:
 Gold plate per ASTM B 488, Type II, Code C or D, Class 1.25, over nickel under plate per SAE-AMS-QQ-N-290, Class 1.
Metal Gasket:
 Silver plate per QQ-S-365, Type 2, Grade A.

APPLICABLE CARLISLE IT DOCUMENTS		
WORK STD	PROD INST	ASSY INST
NA	NA	NA

NOTICE
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- TOLERANCES AND NOTES EXCEPT AS NOTED**
 DIMENSIONS ARE IN INCHES.
 LINEAR .XX ±.015
 .XXX ±.006
 ANGULAR ± 1/2°
 FRACTION ± 1/32
1. MACHINE FINISH: 83/ RMS
 2. BREAK ALL SHARP EDGES .003 MAX.
 3. MACHINED FILLETS: .005 MAX.
 4. MACHINED SURFACES SQUARE TO RESPECTIVE AXES WITHIN .005 INCHES PER INCH.
 5. MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R.
 6. DIMENSIONS TO BE MET BEFORE PLATING.
 7. CHAMFER ALL THREADS 40°.
 8. THREADS PER 11-26
 9. REMOVE FRAYED EDGES ON TEFLON.
 10. REMOVE ALL BURRS.

MATERIAL		SPECIFICATION		PROCUREMENT	
APPROVAL INITIALS	DATE	CARLISLE Interconnect Technologies		Cerritos, CA 90703	
DRAWN BY P.MAO	09.16.99	CARLISLE Interconnect Technologies Cerritos, CA 90703			
CHECKED BY	TEST ENG				
DESIGN ENG P.MAO	05.29.03	TITLE SMA FEMALE ADAPTER, HERMETIC SEAL BULKHEAD FEEDTHROUGH (SPARK PLUG)		SHEET 1 OF 1	
MFG ENG	ECO APPRV DNg	SCALE 8:1	DIRECTORY/SUB-DIRECTORY -OUTLINE\	REV. B	
CAGE CODE		DRAWING NO.		REV.	
C 30990		5964		B	