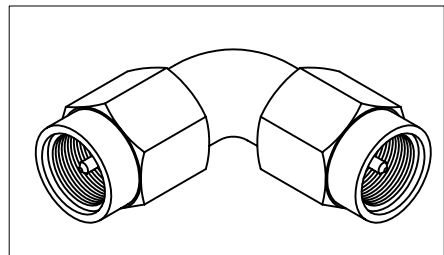
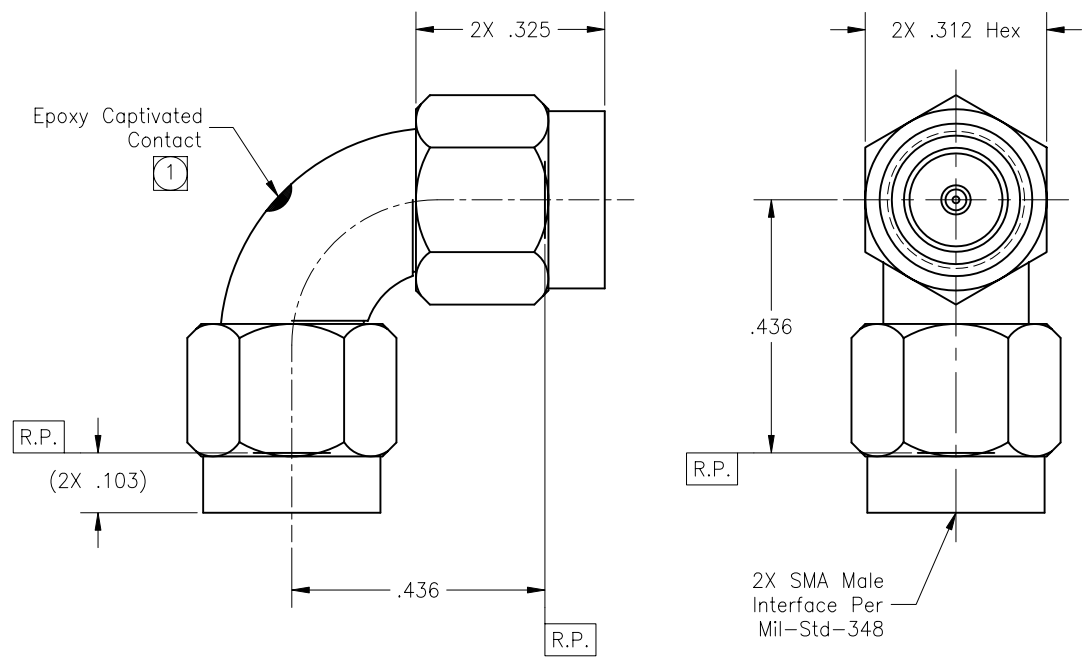


P/N	APPLICABLE NOTE(S)
BASIC	
SF	
CC	①
CCSF	①

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	BY
-	A	ECO 19618	10.02.06	P.MAO
-	B	ECO 24118	02/07/11	ABN



Note(s):
 ① Epoxy is required only on Part No.'s 5065CC and 5065CCSF.

MATERIAL(S):	ELECTRICAL(S):	MECHANICAL(S):	ENVIRONMENTAL(S):
Body: 304 sst per MIL-T-8504 or SAE-AMS-5567. Coupling Nut: 303 sst per ASTM A-582. Center Conductor: BeCu alloy per ASTM B-196. Retaining Ring: BeCu alloy per ASTM B-197. Dielectric: PTFE per ASTM D-1710. Epoxy: **Sigma VF type HV. Gasket: Silicone rubber per A-A-59588. ** Not applicable to Part No.'s 5065 & 5065SF.	Impedance: 50 Ohms nominal. Frequency Range: DC to 18.0 GHz. VSWR: 1.05 + .005*f(GHz). Insertion Loss: .08 √f(GHz). Working Voltage: 335 Vrms max @ sea level. Dielectric Withstanding Voltage: 1,000 Vrms min. R.F. HiPot Voltage: 670 Vrms min @ 5MHz. Corona Level: 250 Vrms @ 70,000 ft. Insulation Resistance: 5000 MegOhms min. R.F. Leakage: -(65 - fGHz) dB (For CC & CCSF's). R.F. Leakage: -(90 - fGHz) dB (For BASIC & SF's). Contact Resistance: Before Environmental: Center Contact: 3.0 Milliohm max. Outer Contact: 2.0 Milliohm max. After Environmental: Center Contact: 4.0 Milliohm max. Outer Contact: NA.	Mating Characteristics: Interface per Mil-Std-348. Force To Engage & Disengage: Torque: 2 inch-pounds max. Longitudinal Force: NA. Center Contact Retention: Axial Force: 6 pounds min. Connector Durability: 500 cycles min @ 12 cycles/minute max. Permeability: Less than 2.0 mu. Center Contact Captivation: **Axial Force: 6 pounds min. **Radial Torque: 4 inch-ounces min. Coupling Mechanism Retention Force: 60 pounds minimum Coupling Proof Torque: 15 inch-pounds minimum. ** Not applicable to Part No.'s 5065 And 5065SF.	Temperature Range: -65°C to +165°C. Thermal Shock: Mil-Std-202, Method 107, Test Cond. A. Moisture Resistance: Mil-Std-202, Method 106, Insulation resistance at least 200 MegOhms 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(ES):
Body & Coupling Nut: (For SF & CCSF's): Passivate per ASTM A-967. (For BASIC & CC's): Gold plate per ASTM B-488, over nickel plate per SAE-AMS-QQ-290. Center Conductor: Gold plate per ASTM B-488, over nickel plate per SAE-AMS-QQ-N-290.

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

- TOLERANCES AND NOTES EXCEPT AS NOTED**
 DIMENSIONS ARE IN INCHES.
 LINEAR .XX ± 0.015
 .XXX ± .005 ANGULAR ± 1/2°
 FRACTION ± 1/32
- MACHINE FINISH: 63 √RMS
 - BREAK ALL SHARP EDGES .003 MAX.
 - MACHINED FILLETS .005 MAX.
 - MACHINED SURFACES SQUARE TO RESPECTIVE AXES WITHIN .005 INCHES PER INCH.
 - MACHINED DIAMETERS CONCENTRIC WITHIN .002 TLR.
 - DIMENSIONS TO BE MET BEFORE PLATING.
 - CHAMFER ALL THREADS 45°.
 - THREADS PER H-28
 - REMOVE FRAYED EDGES ON TEFLON.
 - REMOVE ALL BURRS.

NOTICE
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MATERIAL		SIZE	SPECIFICATION	PROCUREMENT
APPROVAL INITIALS	DATE			
DRAWN BY: ATV	02.06.02			
CHECKED BY:				
TEST ENGG				
QUALITY				
DESIGN ENGG: H.N.	02.15.11			
MFG ENGG				
TITLE: SMA MALE TO SMA MALE RADIUS RIGHT ANGLE ADAPTER		SCALE: 6:1	SUB-DIRECTORY\FILENAME: OL\	SHEET 1 OF 1
CAGE CODE: C 30990	DRAWING NO.: 5065			