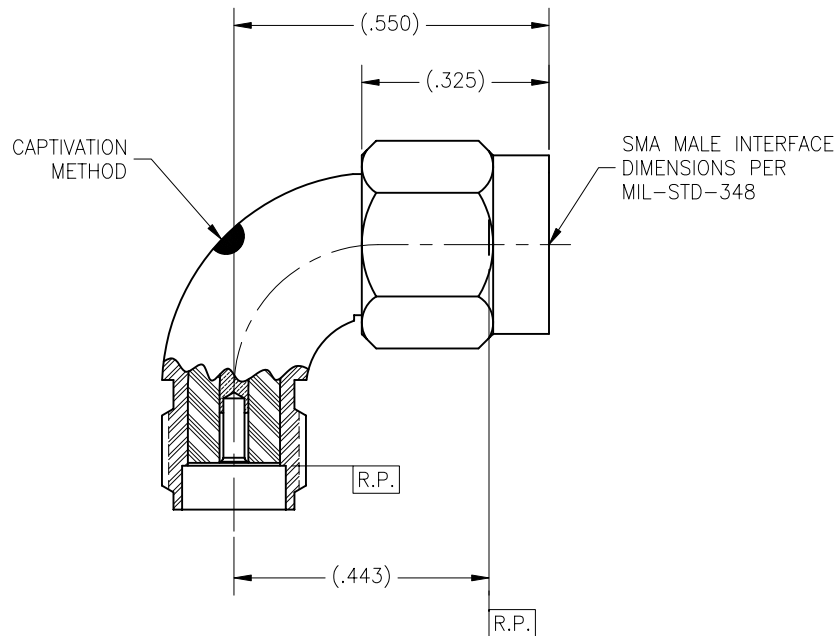
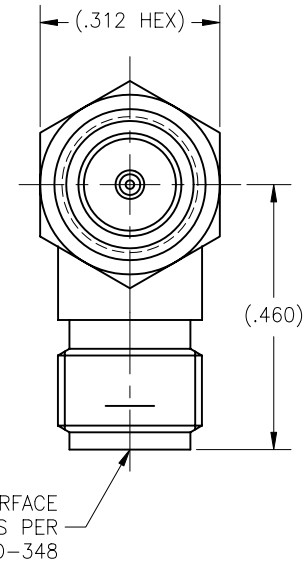


P/N	CAPTIVATION METHOD
BASIC	NONE
CC	EPOXY ONLY
SF	NONE
CCSF	EPOXY ONLY
CCCE	EPOXY WITH CONDUCTIVE
CCCESF	EPOXY WITH CONDUCTIVE



REVISIONS				
ZONE	REV	DESCRIPTION	DATE	BY
—	A	ECO 19541	09.01.06	DKN
—	B	ECO 21842	12.12.08	DKN
—	C	ECO 23119 (CHG VSWR)	05.05.10	YP



MATERIAL(S):	ELECTRICAL(S):	MECHANICAL(S):	ENVIRONMENTAL(S):
Body: 304 sst per 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-196 Dielectric: PTFE per ASTM D-1710. Gasket: Silicone rubber per A-A-59588. Epoxy: Sigma vary flex type HV. Conductive Epoxy: Eccobond 56C.	Impedance: 50 Ohms nominal. Frequency Range: DC to 18.0 GHz. VSWR: 1.15 + .006 x f(GHz) for BASIC & SF. 1.25:1 max. for CC, CCSF, CCCE & CCCESF. Insertion Loss: .20 dB max @ 18GHz. Working Voltage: 335 Vrms max @ sea level. Dielectric Withstanding Voltage: 1500 Vrms min. R.F. HiPot Voltage: 1000 Vrms min @ 5MHz. Corona Level: 375 Vrms @ 70,000 ft. Insulation Resistance: 5000 MegOhms min. R.F. Leakage: —(90-fGHz) dB min for BASIC & SF —(60-fGHz) dB min for CC & CCCE Contact Resistance: Initial: Center Contact: 3.0 Milliohm max. Outer Contact: 2.0 Milliohm max. After Environment: 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. Connector Durability: 500 cycles min @ 12 cycles/minute max. Permeability: Less than 2.0 mu. Coupling Proof Torque: 15 inch-pounds min. Coupling Mech. Retention: 60 pounds min.	Temperature Range: -65°C to +165°C. Thermal Shock: Mil-Std-202, Method 107, Test Cond. C. 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):		APPLICABLE CARLISLE IT DOCUMENTS		TOLERANCES AND NOTES		—		—		—	
Body And Coupling Nut: (for SF, CCSF, CCCESF): Passivate per ASTM A-967. (for BASIC, CC, CCCE): Gold plate per ASTM B-488, over nickel under plate per AMS-QQ-N-290. Center Conductor: Gold plate per ASTM B-488, over nickel under plate per AMS-QQ-N-290.		WORK STD	PROD INST	ASSY INST	EXCEPT AS NOTED DIMENSIONS ARE IN INCHES. LINEAR .XX ±.015 ANGULAR ± 1/2° FRACTION ± 1/32	MATERIAL		SIZE		SPECIFICATION	
		NA	NA	NA	1. MACHINE FINISH: 63 RMS 2. BREAK ALL SHARP EDGES .003 MAX.	APPROVAL INITIALS		DATE		PROCUREMENT	
		NOTICE			3. MACHINED FILLETS: .005 MAX. 4. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS 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 45°. 8. THREADS PER H-28 9. REMOVE FRAMED EDGES ON TEFLON. 10. REMOVE ALL BURRS.	DRAWN BY		AGS		02.12.02	
						CHECKED BY				TITLE	
						TEST ENGG				SMA MALE TO SMA FEMALE RADIUS RIGHT ANGLE, ADAPTER	
						QUALITY		SCALE		SUB-DIRECTORY/FILENAME	
						DESIGN ENGG		H.N.		06.21.10	
						MFG ENGG				SHEET 1 OF 1	
						SIZE		C		30990	
						CAGE CODE		5490		REV. C	