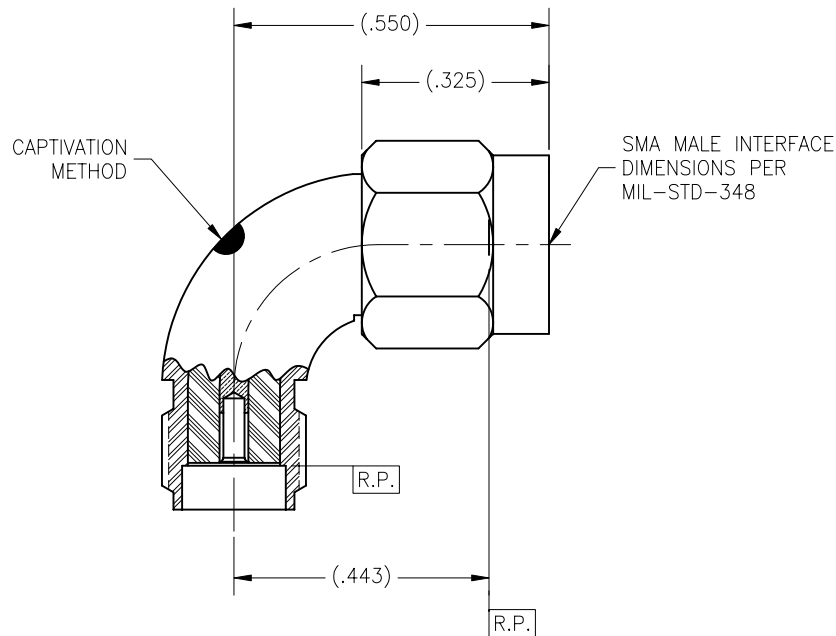
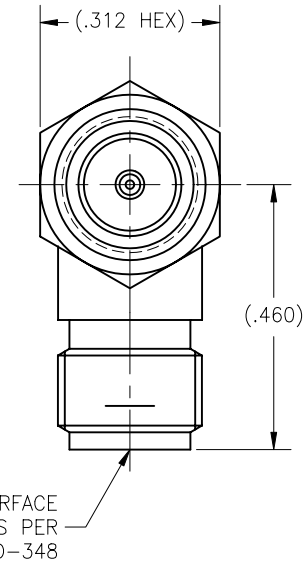


P/N	CAPTIVATION METHOD
BASIC	NONE
CC	EPOXY ONLY
SF	NONE
CCSF	EPOXY ONLY
CCCE	EPOXY WITH CONDUCTIVE
CCCESF	EPOXY WITH CONDUCTIVE



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 NA PROD INST NA ASSY INST NA	EXCEPT AS NOTED DIMENSIONS ARE IN INCHES. LINEAR .XX ±.015 ANGULAR ± 1/2° FRACTION ± 1/32 1. MACHINE FINISH: 63 RMS 2. BREAK ALL SHARP EDGES .003 MAX. 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.	APPROVAL INITIALS DRAWN BY CHECKED BY TEST ENGG QUALITY DESIGN ENGG MFG ENGG	DATE 02.12.02 06.21.10	CARLISLE Interconnect Technologies Long Beach, CA 90815	PROCUREMENT
NOTICE THIS DRAWING EMBODIES A CONFIDENTIAL, PROPRIETARY DESIGN ORIGINATED BY CARLISLE INTERCONNECT TECHNOLOGIES AND ALL DESIGN, MANUFACTURING, RE-PRODUCTION, USE AND SALE RIGHTS REGARDING THE SAME ARE EXPRESSLY RESERVED. IT IS SUBMITTED UNDER A CONFIDENTIAL RELATIONSHIP FOR A SPECIFIED PURPOSE AND THE RECIPIENT AGREES BY ACCEPTING THIS DRAWING NOT TO SUPPLY OR DISCLOSE ANY INFORMATION REGARDING IT TO ANY UN-AUTHORIZED PERSON TO INCORPORATE IN OTHER PROJECTS ANY SPECIAL FEATURE PECULIAR TO THIS DESIGN. ALL PATENT RIGHTS HERETO ARE EXPRESSLY RESERVED BY CARLISLE INTERCONNECT TECHNOLOGIES, LONG BEACH, CA 90815	TITLE SMA MALE TO SMA FEMALE RADIUS RIGHT ANGLE, ADAPTER					
SCALE 5:1		SUB-DIRECTORY/FILENAME OL_		SHEET 1 OF 1		
SIZE C		CAGE CODE 30990		DRAWING NO. 5490		REV. C