

4

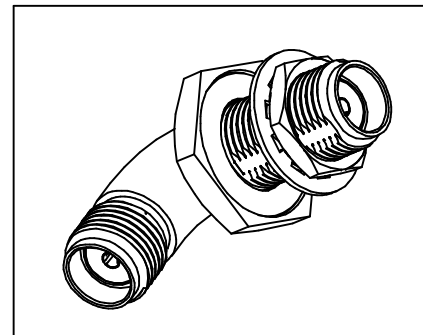
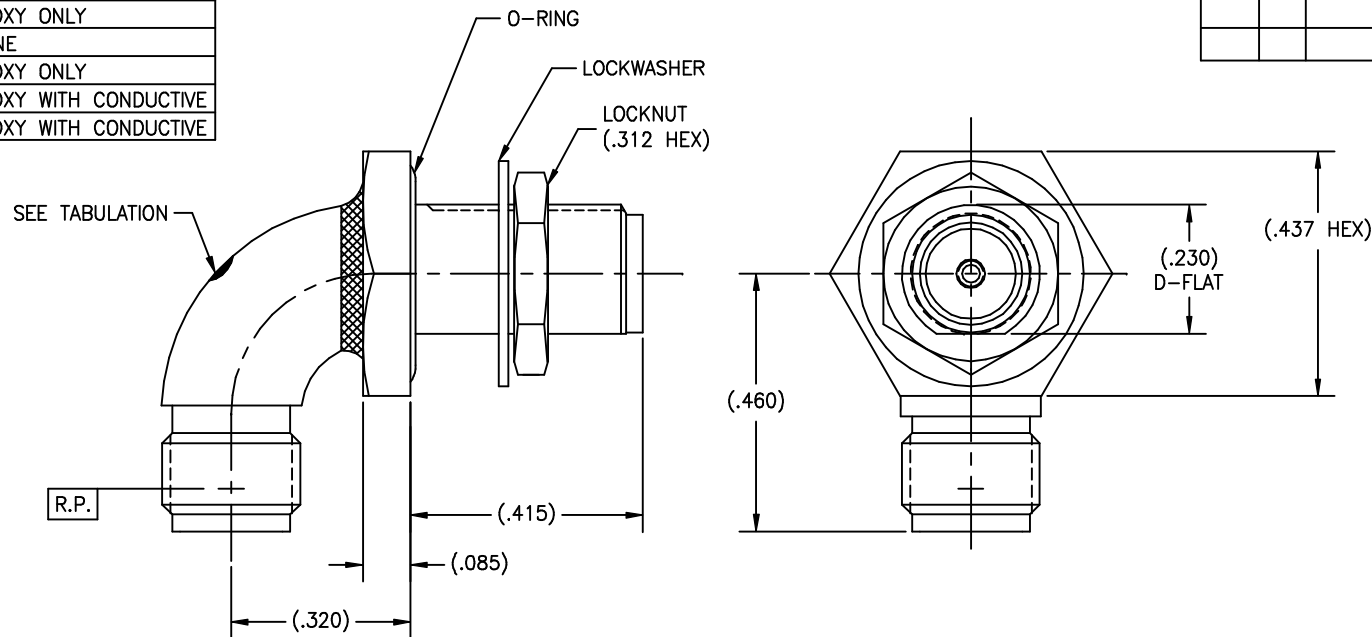
3

2

1

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 18163	10.12.06	YP



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. Gasket: Silicone rubber per A-A-59588. Epoxy: **Sigma VF type HV. Conductive Epoxy: ** Ablebond 16-1. ** Not applicable to Part No.'s 5135 & 5135SF.	Impedance: 50 Ohms nominal. Frequency Range: DC to 18.0 GHz. VSWR: 1.05 + f(GHz). Insertion Loss: .03 √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'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. ** Not applicable to Part No.'s 5135 And 5135SF.	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):	APPLICABLE TENSOLITE DOCUMENTS			TOLERANCES AND NOTES EXCEPT AS NOTED				-							
	WORK STD	PROD INST	ASSY INST	DIMENSIONS ARE IN INCHES				-							
Body & Coupling Nut: (For SF'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.	NA	NA	NA	1. MACHINE FINISH: ES/RMS 2. BREAK ALL SHARP EDGES .003 MAX. 3. MACHINED FILLETS .005 MAX. 4. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .006 INCHES PER INCH. 5. MACHINED DIAMETERS CONCENTRIC WITHIN .002 TUM. 6. DIMENSIONS TO BE MET BEFORE PLATING. 7. CHAMFER ALL THREADS 45°. 8. THREADS PER H-28. 9. REMOVE FRAISED EDGES ON TEFLON. 10. REMOVE ALL BURRS.				MATERIAL: - SIZE: - SPECIFICATION: - PROCUREMENT: - APPROVAL INITIALS: - DATE: 08.28.03 DRAWN BY: DKN CHECKED BY: - TEST ENGG: - QUALITY: - DESIGN ENGG: - MFG ENGG: -				Tensolite HIGH PERFORMANCE CABLES & INTERCONNECT SYSTEMS Long Beach, California 90815 TITLE: SMA FEMALE TO SMA FEMALE RADIUS RIGHT ANGLE ADAPTER SCALE: 6:1 SUB-DIRECTORY FILE NAME: OL_\ SHEET 1 OF 1 SIZE: C CASE CODE: 30990 DRAWING NO.: 5135 REV: A			