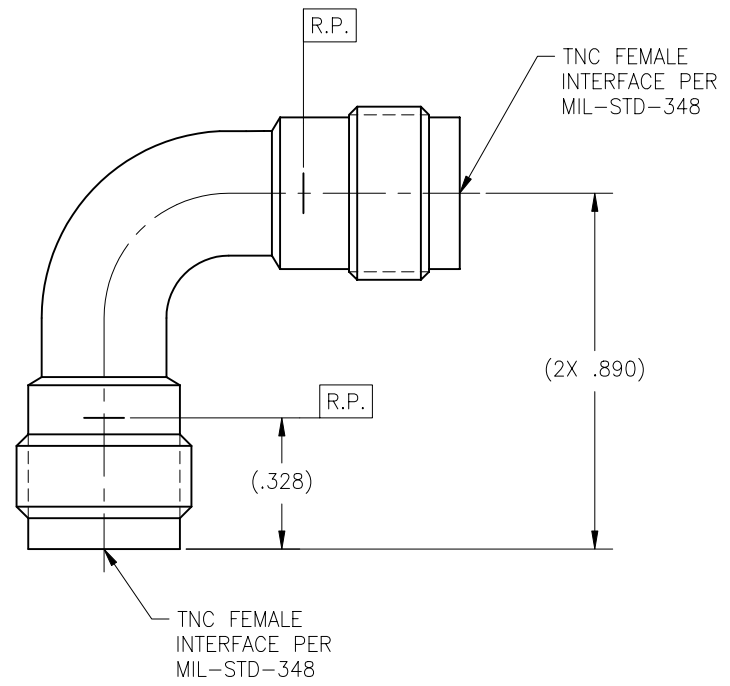


P/N  
CCSF

REVISIONS				
ZONE	REV.	DESCRIPTION(S)	DATE	BY
-	A	ECO 19558	09.11.06	DKN



DRAWING NO.	9051	REV.	A
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MATERIAL:	ELECTRICAL:	MECHANICAL:	ENVIRONMENTAL:
<p>R/A Body: 303 sst per ASTM A-743.</p> <p>Female Body &amp; Press Ring: 303 sst per ASTM A-582.</p> <p>Center Conductor: BeCu alloy per ASTM B-196.</p> <p>Dielectric: PTFE per ASTM D-1710.</p> <p>Epoxy: Loctite.</p>	<p>Impedance: 50 Ohms nominal. Frequency Range: DC to 18.0 GHz. VSWR: 1.08 + .009 f(GHz). Insertion Loss: .25 dB max to 18GHz. Working Voltage: 500 Vrms @ Sea Level 125 Vrms @ 70,000 ft</p> <p>Dielectric Withstand Voltage: 1500 Vrms RF HiPot Withstand Voltage: 1000 Vrms Corona Level: 375 Vrms Min. Insulation Resistance: 5000 MegaOhms Contact Resistance: Center Conductor: 2.5 mOhms MAX Outer Conductor: 2.0 mOhms MAX Permeability: Less than 2.0 MU RF Leakage: -90 dB min from 2-3 GHz.</p>	<p>Mating Characteristics: Interface per Mil-Std-348. Center Contact Retention: Axial Force: 6 pounds min. Connector Durability: 500 cycles min @ 12 cycles/minute max.</p>	<p>Temperature Range: -65°C to +165°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. B.  Mil-Std-202, Method 213, Test cond. I. Shock:</p>

**FINISH:**

Center Conductor:  
Gold Plate per ASTM B-488, over nickel plate per AMS-QQ-N-290.

Bodies & Press Ring:  
Passivated per ASTM A-967.

APPLICABLE TENSOLITE 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 ANGULAR ± 1/2°  
FRACTION ± 1/32
- MACHINE FINISH:  $\sqrt{RMS}$
  - BREAK ALL SHARP EDGES .003 MAX.
  - MACHINED FILLETS .005 MAX.
  - MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH.
  - MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R.
  - DIMENSIONS TO BE MET BEFORE PLATING.
  - CHAMFER ALL THREADS 45°.
  - THREADS PER H-28
  - REMOVE FRAYED EDGES ON TEFLON.
  - REMOVE ALL BURRS.

MATERIAL		SIZE	SPECIFICATION	PROCUREMENT
-		-	-	-
NEXT ASSY		<p style="text-align: center;"><b>Tensolite</b> HIGH PERFORMANCE CABLES &amp; INTERCONNECT SYSTEMS Long Beach, California 90815</p>		
APPROVAL INITIALS	DATE	TITLE		
DRAWN BY: AGS	08.29.02	TNC FEMALE TO TNC FEMALE RADIUS R/A ADAPTER		
CHECKED		SCALE	SUB-DIRECTORY/FILENAME	
QUALITY		4:1	OL_\	
ENGINEERING: ATV	09.13.06	SIZE	CAGE CODE	DRAWING NO.
		C	30990	9051
				REV. A