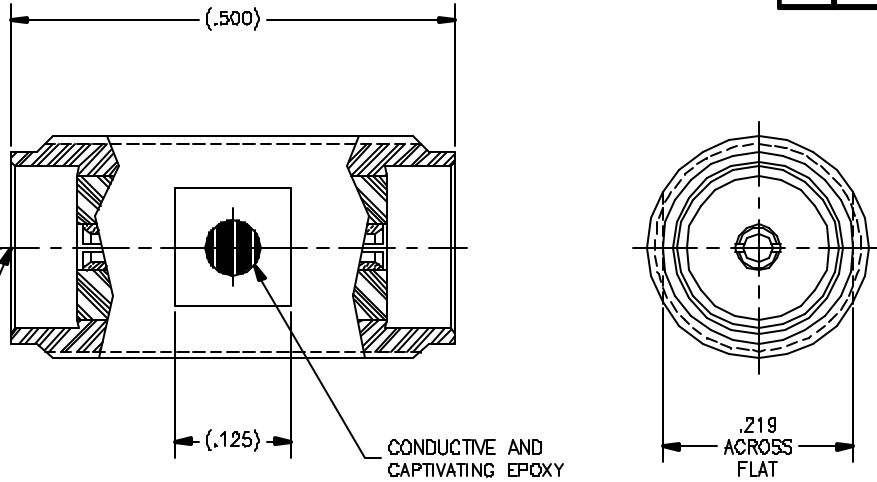


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CC
CCCE
CCSF
CCCESF

REVISIONS				
ZONE	REV.	DESCRIPTION(S)	DATE	BY
-	A	ECO 21063	03.10.08	DKN



5191	A
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MATERIAL:	ELECTRICAL:	MECHANICAL:	ENVIRONMENTAL:
<b>Body:</b> 303 sat per ASTM A-582. <b>Center Conductor:</b> BeCu alloy per ASTM B-196. <b>Insulator:</b> PTFE per ASTM D-1710. <b>Epoxy:</b> Sigma Vary Flex Type HV. <b>Conductive Epoxy:</b> Ableband 16-1.	<b>Impedance:</b> 50 Ohms nominal. <b>Frequency Range:</b> DC to 18.0 GHz. <b>VSWR:</b> 1.10 + .008 x f(GHz). <b>Insertion Loss:</b> .06√f (GHz). <b>Working Voltage:</b> 335 Vrms max @ sea level. <b>Dielectric Withstanding Voltage:</b> 1000 Vrms min. <b>R.F. HiPot Voltage:</b> 670 Vrms min @ 5MHz. <b>Corona Level:</b> 250 Vrms @ 70,000 ft. <b>Insulation Resistance:</b> 5000 MegOhms min. <b>R.F. Leakage:</b> -(60 - fGHz) dB <b>Contact Resistance:</b> Center Contact: Initial environment: 3.0 Milliohm max. After environment: 4.0 Milliohm max. Outer Contact: Initial environment: 2.0 Milliohm max. After environment: NA	<b>Mating Characteristics:</b> Interface per Mil-Std-348. <b>Force To Engage &amp; Disengage:</b> Torque: 2 inch-pounds max. Longitudinal Force: NA. <b>Center Contact Retention:</b> Axial Force: 6 pounds min. <b>Connector Durability:</b> 500 cycles min @ 12 cycles/minute max. <b>Permeability:</b> Less than 2.0 mu. <b>Center Captivation:</b> Axial: 6 lbs max. Radial: 4 inch-ounce max.	<b>Temperature Range:</b> -65° to +165°. <b>Thermal Shock:</b> Mil-Std-202, Method 107, Test Cond. B. <b>Moisture Resistance:</b> Mil-Std-202, Method 106, No measurements at high humidity. Insulation resistance shall be at least 200 MegOhms within 5 minutes after removal from humidity. <b>Corrosion:</b> Mil-Std-202, Method 101, Test Cond. B. <b>Vibration:</b> Mil-Std-202, Method 204, Test Cond. D. <b>Shock:</b> Mil-Std-202, Method 213, Test Cond. I.

**FINISH:**  
 Body & Center Conductor:  
 Gold plate per ASTM B-488, over nickel under plate per AMS-QQ-N-290.

APPLICABLE TENSOUTE DOCUMENTS		
WORK STD	PROD INST	ASSY INST
NA	NA	NA

- TOLERANCES AND NOTES EXCEPT AS NOTED DIMENSIONS ARE IN INCHES.**
- LINEAR .004 AS18 .001 AS18  
 ANGULAR ± 1/2°
1. MACHINE FINISH
  2. BREAK ALL SHARP EDGES .001 MAX.
  3. MACHINED FILLETS .005 MAX.
  4. MACHINED SURFACES FINISH TO BE SPECIFIED AND WITHIN .0005 PER SIDE.
  5. MACHINED DIMETERS DIMENSIONS WITHIN .001 TYP.
  6. DIMENSIONS TO BE MET BEFORE PLATING.
  7. CHECK FOR ALL TOLERANCES.
  8. THREADS PER H-28.
  9. REMOVE FINISH EDGE BY FILED.
  10. REMOVE ALL BURRS.

MATERIAL		DATE	DESCRIPTION	REVISION
APPROVAL INITIALS	DATE	03.07.02	Tensolite	HIGH PERFORMANCE CABLES & INTERCONNECT SYSTEMS Long Beach, California 90810
DRAWN BY	ATV	03.11.08	SMA FEMALE TO SMA FEMALE STRAIGHT ADAPTER	
CHECKED BY			SCALE	10:1
TEST ENG			SIZE	01\
QUALITY			DRW NO	5191
DESIGN ENG	ATV	03.11.08	REV	1
MFG ENG			PROJ NO	5191

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