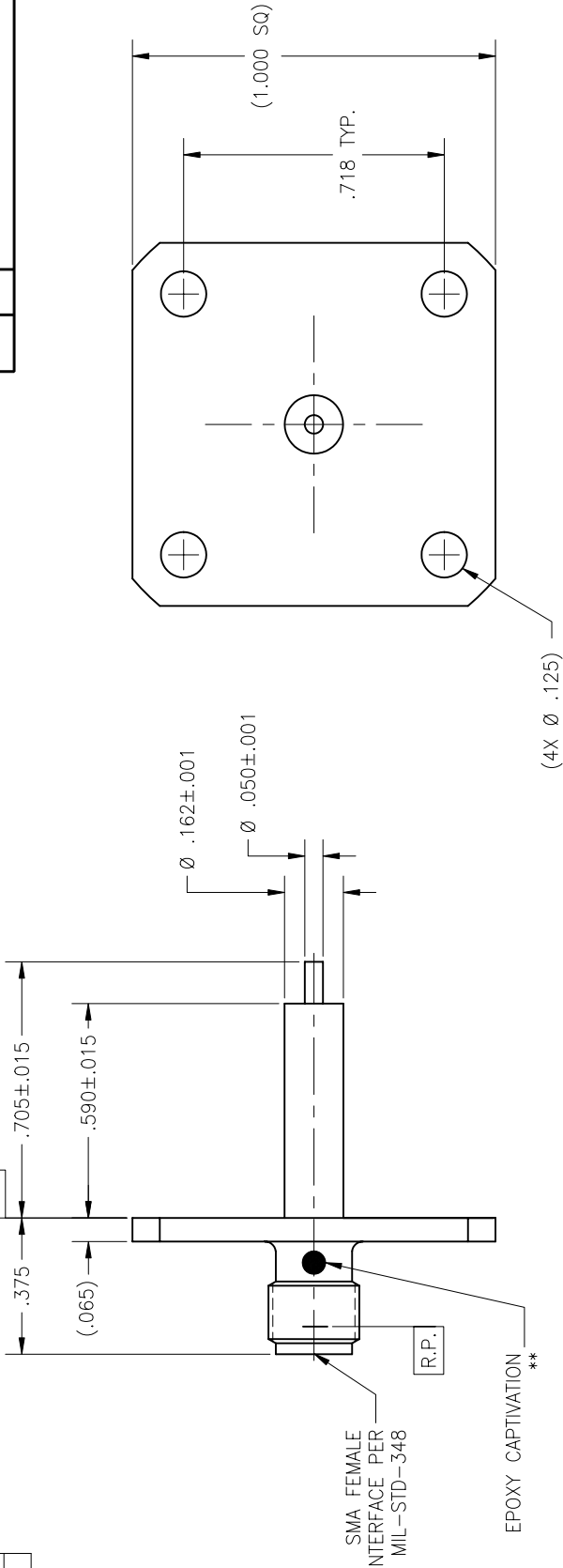


P/N	REVISIONS			
	ZONE	REV	DESCRIPTION	DATE
BASIC	—	A	ECO 20278	05.23.07
SF				
CC				
CCSF				



** NOT APPLICABLE TO BASIC & SF

MATERIAL:	ELECTRICAL:	MECHANICAL:	ENVIRONMENTAL:
Body: 303 sst per ASTM A-582. Center Conductor: BeCu alloy per ASTM B-196. Dielectric: PTFE per ASTM D-1710. Epoxy: (for CC & CCSF) Sigma VF Type HV.	Impedance: 50 Ohms nominal. Frequency Range: DC to 18.0 GHz. VSWR: 1.05 + .005 (fGHz). 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: 5,000 MegOhms min. R.F. Leakage: —(90 – fGHz) dB min. for Basic & SF. —(60 – fGHz) dB min. for CC & CCSF. 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. 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.	Temperature Range: –65°C to +125°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:	* Applicable to CC & CCSF		
Body: (for SF & CCSF) Passivated per AMS-QQ-N-290. Body: (for Basic & CC) 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.	APPLICABLE TENSOLITE DOCUMENTS		
	WORK STD PROD INST ASSY INST		
	NA NA NA NA		
	TOLERANCES AND NOTES EXCEPT AS NOTED		
	DIMENSIONS ARE IN INCHES.		
	FRACTION ± 1/32 ANGULAR ± 1/2		
	1. MACHINE FINISH: $\sqrt{RMS}$		
	2. BREAK ALL SHARP EDGES .003 MAX.		
	3. MACHINED FLATS: .005 MAX.		
	4. MACHINED SURFACES SQUARE TO RESPECTIVE		
	5. AXES WITHIN .005 INCHES PER INCH.		
	6. .003 T.I.R.		
	7. DIMENSIONS TO BE MET BEFORE PLATING.		
	8. THREADS PER H-28		
	9. THREADS PER H-28		
	10. REMOVE ALL BURRS.		
	NOTICE		
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	SIZE TOLERANCE DRAWING NO.		
	C 30990 5273		
	Tensolite		
	HIGH PERFORMANCE CABLES & INTERCONNECT SYSTEMS Long Beach, California 90815		
	TITLE		
	SMA FEMALE 4 HOLE (1.00 SQ)		
	FLANGE MOUNT TO STRAIGHT TERMINATION		
	SCALE		
	SUB-DIRECTORY/VERSION		
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	SHEET 1 of 1		
	REV.		
	DRAWING NO. 5273		
	REV. A		