

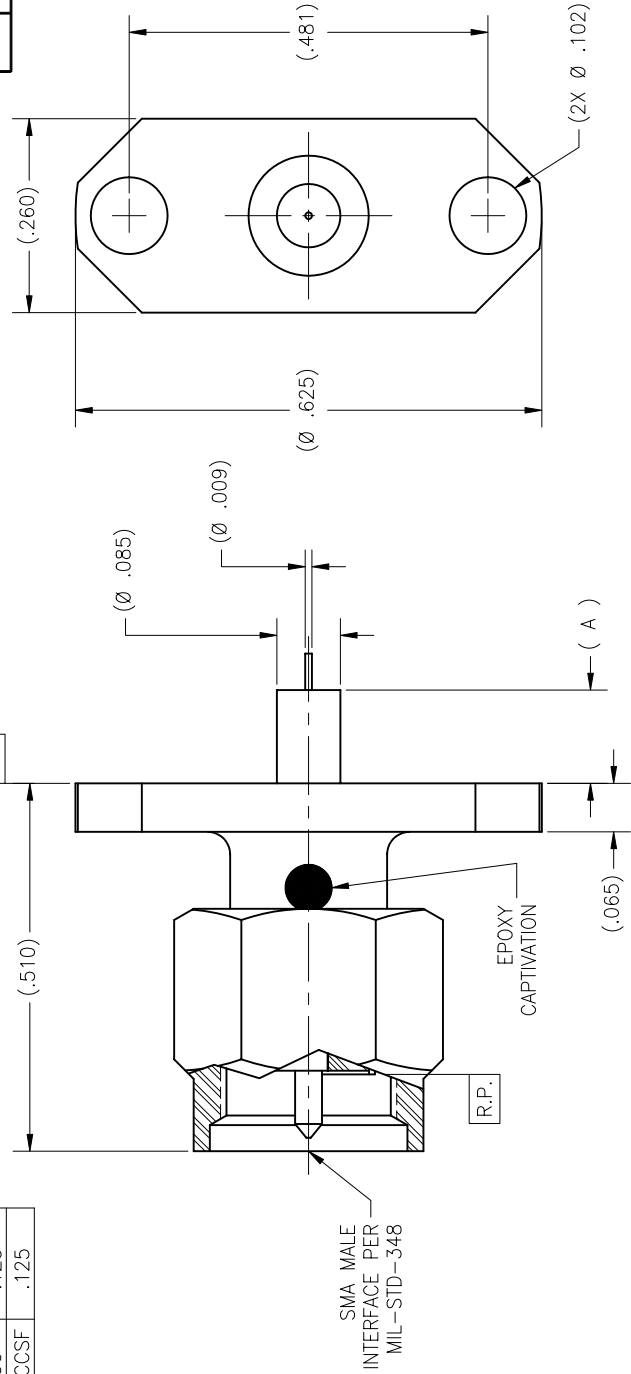
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P/N	(A)	REVISIONS			
ZONE	REV.	DESCRIPTION(S)	DATE	BY	
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MATERIAL(S):	ELECTRICAL(S):	MECHANICAL(S):	ENVIRONMENTAL(S):
Body And Coupling Nut: 303 sst per ASTM A-582. Center Conductor: BeCu alloy per ASTM B-196. Retaining Ring: BeCu alloy per ASTM B-196 Dielectric: PIFE per ASTM D-1710. Gasket: Silicone per A-A-59588. Epoxy: Sigma Vary Flex Type HV.	Impedance: 50 Ohms nominal. Frequency Range: DC to 18.0 GHz. VSWR: 1.05 + .005f(GHz). Insertion Loss: .03 $\sqrt{f}$ (GHz). Working Voltage: 335 Vrms @ Sea Level 150 Vrms @ 70,000 ft Dielectric Withstand Voltage: 1000 Vrms RF HiPot Withstand Voltage: 670 Vrms Corona Level: 250 Vrms Min. Insulation Resistance: 5000 MegaOhms Contact Resistance: Initial: Center Conductor: 3.0 mOhms MAX Outer Conductor: 2.0 mOhms MAX After: Center Conductor: 4.0 mOhms MAX Outer Conductor: 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. Center Contact Captivation: Axial Force: 6 pounds min. Torque: 4 inch-ounces min. 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. B. 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): Center Conductor: Gold plate per ASTM B-488, over nickel under plate per AMS-QQ-N-290. Body And Coupling Nut: for CCSF's: Passivate per ASTM A-967. for CC's: 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	TOLERANCES AND NOTES DIMENSIONS EXCEPT AS NOTED LINEAR .XX ±.015 IN ANGULAR ± 1/2° FRACTION 1/32 1. MACHINE FINISH: $\sqrt{RMS}$ 2. BREAK ALL SHARP EDGES .003 MAX. 3. MACHINED FILLETS .0005 MAX. 4. MACHINED SURFACES SQUARE TO ADJACENT SURFACES UNLESS OTHERWISE SPECIFIED. 5. MACHINED DIAMETERS CONCENTRIC WITHIN .0005 IN. 6. DIMENSIONS TO BE MET BEFORE PLATING. 7. DIMENSIONS AFTER PLATING. 8. REMOVE ALL PROTRUSIONS FROM PLATING. 9. REMOVE PRATTED EDGES ON TIELOIN. 10. REMOVE PRATTED EDGES ON TIELOIN.	TEST ASSY MATERIAL SIZE SPECIFICATION PROCUREMENT HIGH PERFORMANCE CABLES & INTERCONNECT SYSTEMS Long Beach, California 90815 TITLE SMA MALE 2 HOLE FLANGE MOUNT SCALE STRAIGHT TO MICROSTRIP TERMINATION 8:1 SUB-DIRECTORY/FILENAME 01\A SHEET 1 OF 1 REV. A DRAWING NO. 5311

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