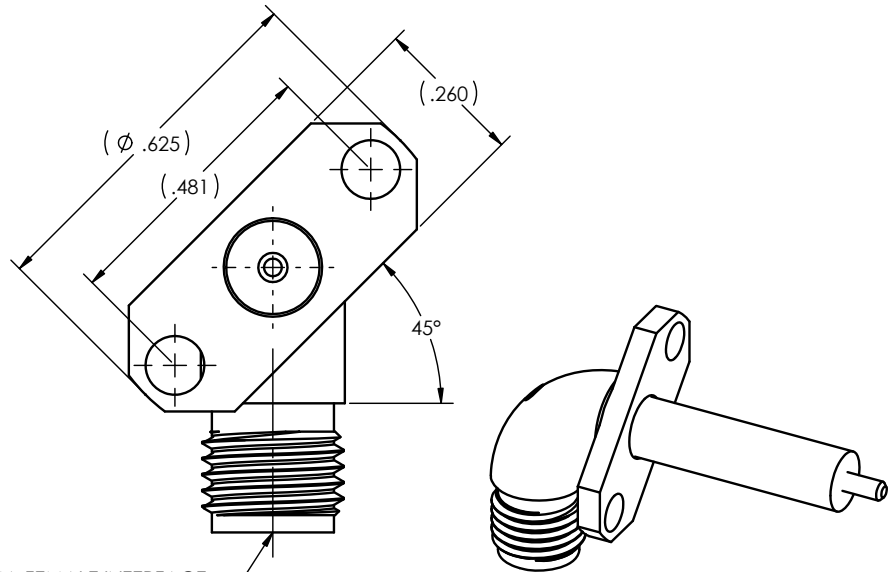
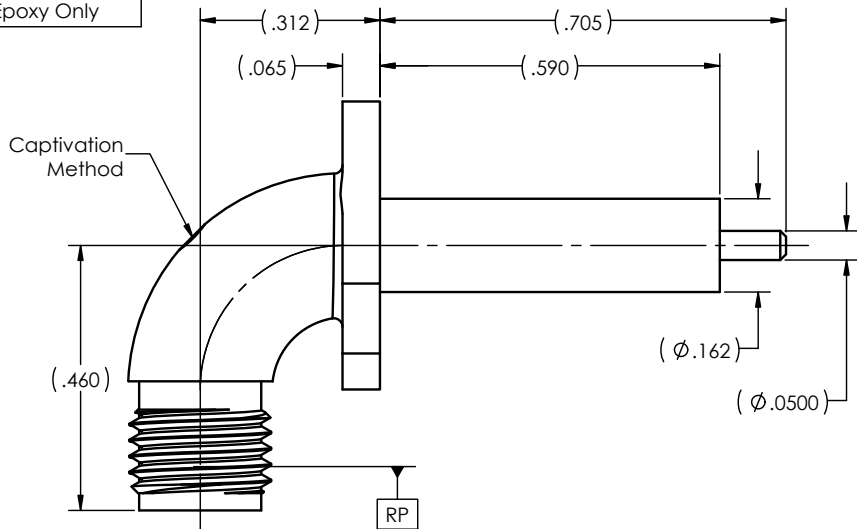


PART NO.	CAPTIVATION METHOD
5648	NR
5648SF	NR
5648CC	Epoxy Only
5648CCSF	Epoxy Only



SMA FEMALE INTERFACE
PER MIL-STD-348

MATERIAL(S):	ELECTRICAL(S):	MECHANICAL(S):	ENVIROMENTAL(S):
Body: 303 SST per ASTM A582 Center Conductor: BeCu Alloy per ASTM B196 Dielectric: PTFE Teflon per ASTM D1710 Epoxy: Sigma VF Type HV	Impedance: 50 Ohms Nominal Frequency Range: DC to 18 GHz VSWR: 1.30:1 max @ 18GHz Insertion Loss: .30 dB max @ 18GHz Working Voltage: 335 Vrms max @ Sea Level Dielectric Withstand Voltage: 1,000 Vrms min. RF HiPot Voltage: 670 Vrms min. @ 5MHz Insulation Resistance: 5,000 MegOhms min. RF Leakage: $-(90 - f\text{GHz})$ dB. Contact Resistance: Initial: Center Contact: 6.0 Milliohms max Outer Contact: 2.0 Milliohms max After Environment: Center Contact: 6.0 Milliohms max Outer Contact: 2.0 Milliohms max	Mating Characteristics: Interface per MIL-STD-348 Force to Engage & Disengage: Torque: 2 inch-lbs max Longitudinal Force: NA Center Contact Retention: Axial Force: 6 lbs min. Connector Durability: 500 Cycles min. @ 12 cycles/minute max Permeability: Less than 2.0 mu.	Temperature Range: -65°C to $+125^\circ\text{C}$ (For CC's) -65°C to $+165^\circ\text{C}$ (For BASIC & SF's) Thermal Shock: MIL-STD-202, Method 107, Test Condition A Moisture Resistance: MIL-STD-202, Method 106, except step 7b shall be obmitted. Insulation resistance at least 1000 MegOhms within 5 minutes after removal from humidity. Corrosion: MIL-STD-202, Method 101, Test Condition B Vibration: MIL-STD-202, Method 204, Test Condition D Shock: MIL-STD-202, Method 213, Test Condition I

FINISH(ES):	TOLERANCES AND NOTES	APPROVAL	INITIALS	DATE	SPECIFICATION	PROCUREMENT
Body: (for SF's): Passivate per ASTM A967 or SAE AMS 2700. (for Basic & CC's): Gold plate per ASTM B488, Type II, Code C, Class 0.25, over nickel under plate per SAE AMS-QQ-N-290, Class 1. Center Conductor: Gold plate per ASTM B488, Type II, Code C or D, Class 1.25, over nickel under plate per SAE AMS-QQ-N-290, Class 1.	EXCEPT AS NOTED DIMENSIONS ARE IN INCHES. LINEAR .XX $\pm .015$ / .XXX $\pm .005$ FRACTION $\pm 1/32$ ANGULAR $\pm 1/2^\circ$ 1. INTERPRET DRAWING PER ASME Y14.5 - 2018 2. MACHINE FINISH: 63 RMS 3. BREAK ALL SHARP EDGES .003 MAX. 4. MACHINED FILLETS .005 MAX. 5. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH. 6. MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R. 7. DIMENSIONS TO BE MET AFTER PLATING. 8. CHAMFER ALL THREADS 45°. 9. THREADS PER H-28 10. REMOVE FRAYED EDGES ON TEFLON. 11. REMOVE ALL BURRS.	DESIGN ENG DNG 09/03/2010 02/26/2002 09/03/2010 02/26/2002 09/03/2010 02/26/2002	DESIGN ENG DNG 09/03/2010 02/26/2002 09/03/2010 02/26/2002 09/03/2010 02/26/2002	DESIGN ENG DNG 09/03/2010 02/26/2002 09/03/2010 02/26/2002 09/03/2010 02/26/2002	DESIGN ENG DNG 09/03/2010 02/26/2002 09/03/2010 02/26/2002 09/03/2010 02/26/2002	DESIGN ENG DNG 09/03/2010 02/26/2002 09/03/2010 02/26/2002 09/03/2010 02/26/2002