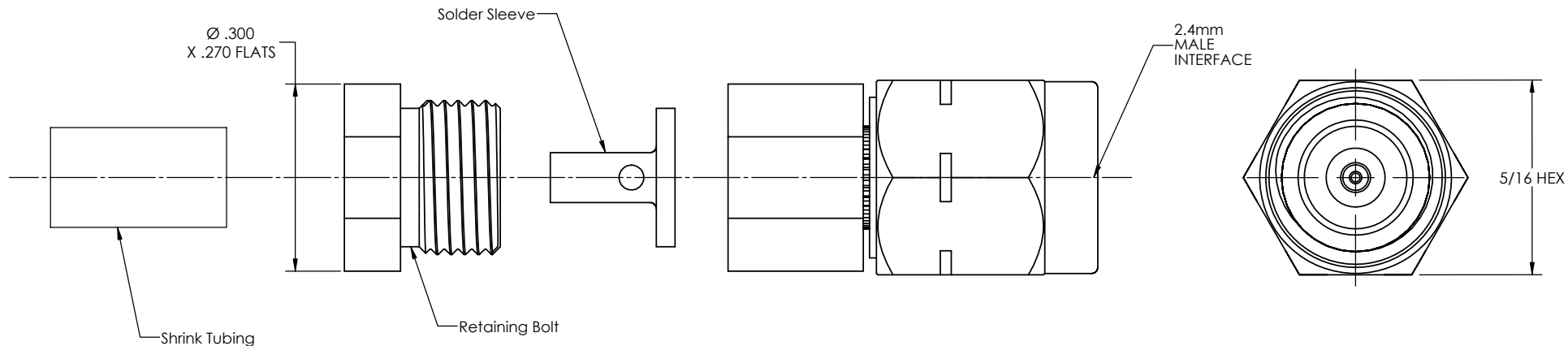
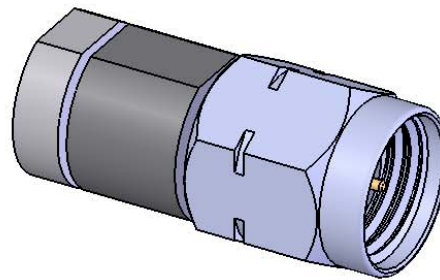


REVISIONS			
REV	DESCRIPTION	DATE	BY
-	-	-	-



NOTE: SOLDER SLEEVE, RETAINING BOLT AND SHRINK TUBING TO BE PACKAGED AND SHIPPED UNASSEMBLED.

MATERIAL:	ELECTRICAL:	MECHANICAL:	ENVIRONMENTAL:
Body, Coupling Nut & Retaining Bolt: 303 SST per ASTM A-582 Center Conductor: BeCu Alloy per ASTM B-196 Insulator: PTFE per ASTM D-1710. Gasket: Silicone Rubber per A-A59588. Solder Sleeve: Brass Alloy per ASTM B-16. Epoxy: Sigma VF Type HV Heat Shrink Tubing: AMS - DTL - 23053/4	Impedance: 50 Ohms Nom. Freq. Range: DC TO 50 GHz VSWR: $1.05 + .016 \times f(\text{GHz})$ Insertion Loss: $.03 \times \sqrt{f(\text{GHz})}$ Working Voltage: 165 Vrms @ Sea Level Dielectric Withstand Voltage: 500 Vrms RF HiPot Voltage: 250 Vrms Min @ 5MHz Corona Level: 125 Vrms @ 70,000 ft Insulation Resistance: 5000 Mohms Contact Resistance: Center Conductor: 2.0 Milliohms	Mating Characteristics: Interface per Mil-Std-348 Force to Engage and Disengage: Torque: 2 inch-lbs max. Longitudinal Force: NA Connector Durability: 500 Cycles min @ 12 cycles/minute max Permeability: Less than 2.0 mu Coupling Proof Torque: 15 inch-lbs min Coupling Mech. Retention: 60 lbs min	Temp. 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 MegaOhms 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 CARLISLE IT DOCUMENTS	TOLERANCES AND NOTES EXCEPT AS NOTED				
Solder Sleeve & Center Conductor: Gold plate per ASTM B-488 over nickel plate per AMS-QQ-N-290 Body, Coupling Nut & Retaining Bolt: Passivate per ASTM A-967 OR AMS-QQ-P-35	WORK STANDARD	PROD INSTRUC	ASSY INSTRUC			
	NA	NA	AI 642			
NOTICE: THIS DRAWING EMBODIES A CONFIDENTIAL PROPRIETARY DESIGN ORIGINATED BY CARLISLE INTERCONNECT TECHNOLOGIES & ALL DESIGN, MANUFACTURING, REPRODUCTION, USE & SALE RIGHTS REGARDING THE SAME ARE EXPRESSLY RESERVED. IT IS SUBMITTED UNDER A CONFIDENTIAL RELATIONSHIP FOR A SPECIFIED PURPOSE & THE RECIPIENT AGREES BY ACCEPTING THIS DRAWING NOT TO SUPPLY OR DISCLOSE ANY INFORMATION REGARDING IT TO ANY UNAUTHORIZED PERSON TO INCORPORATE IN OTHER PROJECTS ANY SPECIAL FEATURES PECULIAR TO THIS DESIGN. ALL PATENT RIGHTS HERETO ARE EXPRESSLY RESERVED BY CARLISLE INTERCONNECT TECHNOLOGIES, LONG BEACH, CALIFORNIA 90815.				1. MACHINE FINISH: $\sqrt{.005}$ RMS 2. BREAK ALL SHARP EDGES .003 MAX. 3. MACHINED FILLETS $\sqrt{.005}$ MAX. 4. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH. 5. MACHINED DIAMETERS CONCENTRIC WITHIN .002 I.D. 6. DIMENSIONS TO BE MET BEFORE PLATING. 7. DIAMETER ALL THREADS .67". 8. THREADS PER H-28. 9. REMOVE FRAYED EDGES ON TEFLON. 10. REMOVE ALL BURRS.		
				MATERIAL APPROVAL INITIALS DATE DRAWN BY DKN 10.28.08 CHECKED BY TEST ENGR QUALITY DESIGN ENGR H.T. 10.31.08 MFG ENGR		
				SIZE CAGE CODE DRAWING NO. SHEET 1 OF 1 REV. C 30990 5068-1CCSF -		