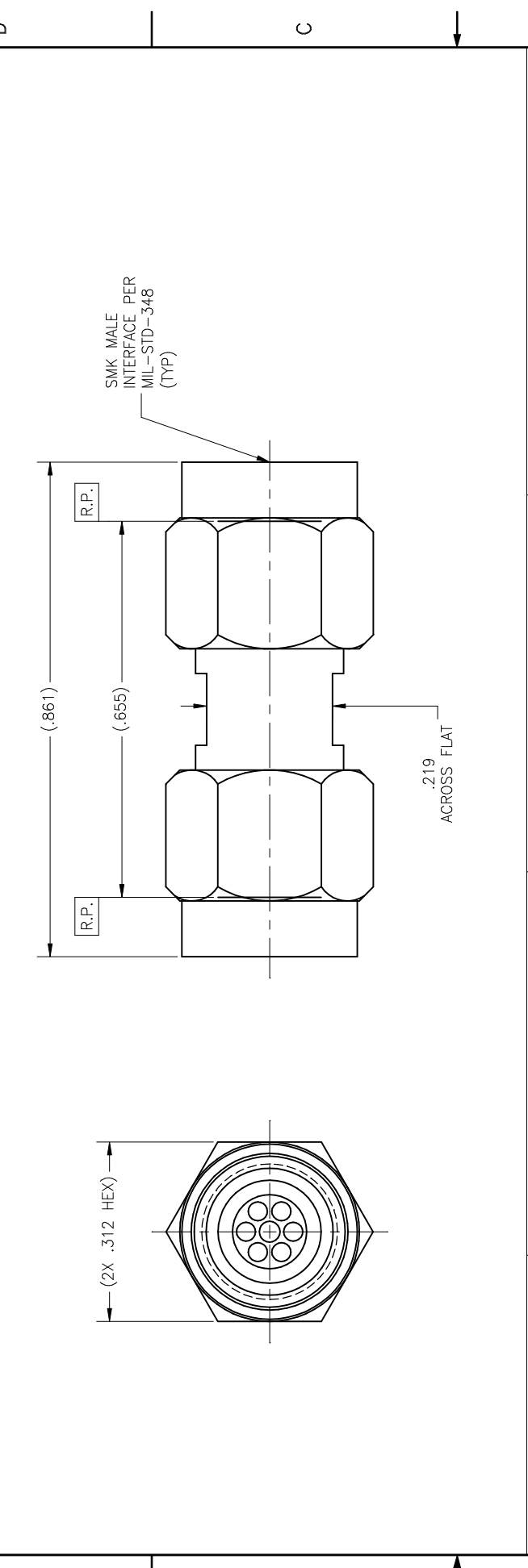


P/N	REVISIONS		
CC	ZONE	REV	DESCRIPTION
CCSF	A	ECO 21821	DATE
			12.09.08
			BY
			DKN



MATERIAL:
 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.
 Gasket: Viton A per MIL-R-83248
 Bead: (High Performance Application).

ELECTRICAL:
 Impedance: 50 Ohms nominal.
 Frequency Range: 0 to 40 GHz.
 VSWR: $1.08 + .01 \times f(\text{GHz})$
 Insertion Loss: $.08/f(\text{GHz})$ dB max.
 Working Voltage: 500 Vrms max @ sea level.
 Dielectric Withstanding Voltage: 1500 Vrms.
 R.F. HiPot Voltage: 1000 Vrms min @ 5MHz.
 Corona Level: 375 Vrms @ 70,000 ft.
 Insulation Resistance: 5000 MegOhms min.
 R.F. Leakage: -90 dB max to 40 GHz.
 Contact Resistance:
 Initial:
 Center Contact: 5.0 Milliohm max.
 Outer Contact: 2.0 Milliohm max.
 After Environment:
 Center Contact: 7.0 Milliohm max.
 Outer Contact: NA.

MECHANICAL:
 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.
 Torque: 4 inch-ounces min.
 Coupling Proof Torque: 15 inch-pounds min.
 Coupling Mech. Retention: 60 pounds min.

ENVIRONMENTAL:
 Operating Temperature: -65° to +165°.
 Thermal Shock:
 Mil-Std-202, Method 107, Test Cond. B, except high temperature will be +165°C.
 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: 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. Center Conductor: Gold plate per ASTM B-488, over nickel under plate per AMS-QQ-N-290.		APPLICABLE CARLISLE IT DOCUMENTS		TOLERANCES AND NOTES EXCEPT AS NOTED	
WORK STD	PROD INST	ASSY INST	DIMENSIONS IN PARENTHESES ARE PER MIL-STD-208 UNLESS OTHERWISE SPECIFIED		
NA	NA	NA	1. MACHINE FINISH: $63/\text{RMS}$		
<p>NOTICE THIS DRAWING EMPLOYS A CONCEPTUAL PROPRIETARY DESIGN ORIGINATED BY CARLISLE INTERCONNECT TECHNOLOGIES AND ALL DESIGN MANUFACTURING, REVISIONS, AND MODIFICATIONS ARE THE PROPERTY OF CARLISLE INTERCONNECT TECHNOLOGIES. IT IS SUBMITTED UNDER A CONFIDENTIAL AGREEMENT FOR A SPECIFIC PROJECT AND IS NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF CARLISLE INTERCONNECT TECHNOLOGIES. IT IS THE RESPONSIBILITY OF THE USER TO VERIFY THE DIMENSIONS TO BE MET BEFORE PLATING. DIMENSIONS TO BE MET BEFORE PLATING: 1. DIMENSIONS TO BE MET BEFORE PLATING. 2. DIMENSIONS TO BE MET BEFORE PLATING. 3. DIMENSIONS TO BE MET BEFORE PLATING. 4. DIMENSIONS TO BE MET BEFORE PLATING. 5. DIMENSIONS TO BE MET BEFORE PLATING. 6. DIMENSIONS TO BE MET BEFORE PLATING. 7. DIMENSIONS TO BE MET BEFORE PLATING. 8. DIMENSIONS TO BE MET BEFORE PLATING. 9. DIMENSIONS TO BE MET BEFORE PLATING. 10. DIMENSIONS TO BE MET BEFORE PLATING.</p>			2. BREAK ALL SHARP EDGES .001 MAX. EXCEPTIVE		
<p>APPROVALS</p>			3. MACHINED FILLETS - .005 MAX. EXCEPTIVE		
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BY	R.C.	03.12.02	5. MAXIMUM DIAMETERS CONCERNING WITHIN		
CHECKED BY			6. DIMENSIONS TO BE MET BEFORE PLATING		
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