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Part No.

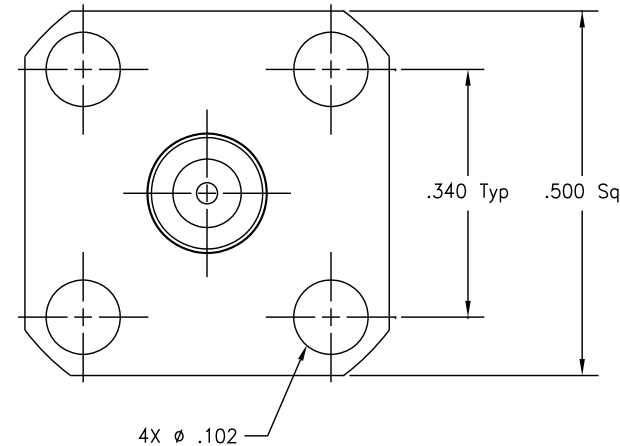
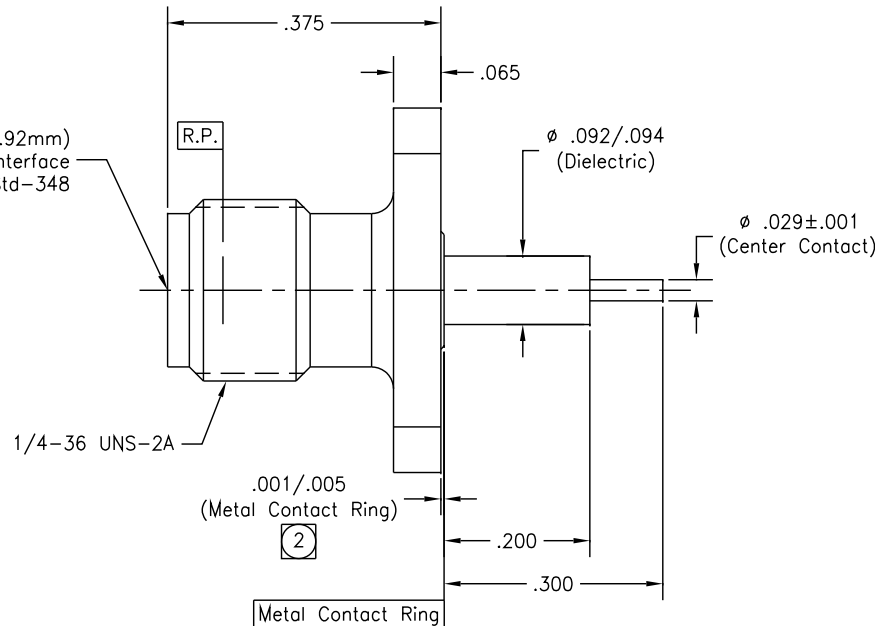
233CC

233CCSF

REVISIONS

REV	DESCRIPTION	DATE	BY
A	ECO 14688	07.12.02	ATV
B	ECO 21794	12.02.08	ATV
C	ECO 35199	10.02.19	P.MAO

SMK (2.92mm)
Female Interface
Per Mil-Std-348



Note(s):

1. Metal contact ring, dielectric & center contact subassembly to be packaged and shipped unassembled.

② Dimension to be inspected after installed into body.

MATERIAL(S):	ELECTRICAL(S):	MECHANICAL(S):	ENVIRONMENTAL(S):
<p>Body & Metal Contact Ring: 303 sst per ASTM A-582.</p> <p>Center Conductor: BeCu alloy C17300 per ASTM B-196.</p> <p>Bead: High Performance.</p> <p>Dielectric: PTFE per ASTM D-1710.</p>	<p>Impedance: 50 Ohms nominal. Frequency Range: DC to 40.0 GHz. VSWR: 1.20 + .007 X f(GHz). Insertion Loss: .075 X \sqrt{f}(GHz). Working Voltage: .250 Vrms max @ sea level. Insulation Resistance: 5,000 MegOhms. Dielectric Withstanding Voltage: 750 Vrms. RF HiPot Voltage: 500 Vrms min @ 5MHz. RF Leakage: -80dB min. from 2 to 3GHz. Corona Level: 190 Vrms @ 70,000 ft. Contact Resistance: Center Conductor: Before Environmental: 3.0 Milliohm max. After Environmental: 4.0 Milliohm max. Outer Conductor: Before Environmental: 2.0 Milliohm max. After Environmental: Not Applicable.</p>	<p>Mating Characteristics: Interface per Mil-Std-348.</p> <p>Connector Durability: 500 cycles min @ 12 cycles/minute max.</p> <p>Force To Engage & Disengage: Torque: 2 inch-pounds max. Longitudinal Force: NA.</p> <p>Permeability: Less than 2.0 mu.</p> <p>Center Contact Captivation (After Mounted App.): Axial Force: 6 pounds min. Radial Torque: 4 inch-ounces min.</p>	<p>Temperature Range: -65°C to +165°C.</p> <p>Thermal Shock: Mil-Std-202, Method 107, Test Cond. A.</p> <p>Moisture Resistance: Mil-Std-202, Method 106, Insulation resistance at least 200 MegOhms within 5 minutes after removal from humidity.</p> <p>Corrosion: Mil-Std-202, Method 101, Test Cond. B.</p> <p>Vibration: Mil-Std-202, Method 204, Test Cond. B.</p> <p>Shock: Mil-Std-202, Method 213, Test Cond. I.</p>

FINISH(ES):	APPLICABLE CARLISLE IT DOCUMENTS	TOLERANCES AND NOTES EXCEPT AS NOTED	MATERIAL	SPECIFICATION	PROCUREMENT																						
<p>Body (For p/n 233CCSF): Passivated per ASTM A-967.</p> <p>Body (For p/n 233CC) & Metal Contact Ring (for p/n's 233CC & 233CCSF): Gold plate per ASTM B-488, Type II, Code C, Class 0.25, over nickel under plated per SAE-AMS-QQ-N-290, Class 1, .000015 inch thick min.</p> <p>Center Contact: Gold plate per ASTM B-488, Type II, Code C, Class 1.25, over nickel under plated per SAE-AMS-QQ-N-290, Class 1, .000050 inch thick min.</p>	<table border="1"> <thead> <tr> <th>WORK STD</th> <th>PROD INST</th> <th>ASSY INST</th> </tr> </thead> <tbody> <tr> <td>NA</td> <td>NA</td> <td>NA</td> </tr> </tbody> </table>	WORK STD	PROD INST	ASSY INST	NA	NA	NA	<p>DIMENSIONS ARE IN INCHES. LINEAR .XX ±.015 ANGULAR ± 1/2° FRACTION ± 1/32</p> <ol style="list-style-type: none"> MACHINE FINISH: $\frac{63}{\mu\text{m}}$ RMS BREAK ALL SHARP EDGES .003 MAX. MACHINED FLAETS .005 MAX. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH. MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R. DIMENSIONS TO BE MET BEFORE PLATING. CHAMFER ALL THREADS 45°. THREADS PER H-28. REMOVE FRAYED EDGES ON TEFLON. REMOVE ALL BURRS. 	<table border="1"> <thead> <tr> <th>APPROVAL INITIALS</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>DRAWN BY: ATV</td> <td>01.04.00</td> </tr> <tr> <td>CHECKED BY: PMAO</td> <td>10.04.19</td> </tr> <tr> <td>TEST ENGG</td> <td></td> </tr> <tr> <td>QUALITY</td> <td></td> </tr> <tr> <td>DESIGN ENGG: DNg</td> <td>12.04.08</td> </tr> <tr> <td>MFG ENGG</td> <td></td> </tr> <tr> <td>ECO APPRY: DNg</td> <td>10.07.19</td> </tr> </tbody> </table>	APPROVAL INITIALS	DATE	DRAWN BY: ATV	01.04.00	CHECKED BY: PMAO	10.04.19	TEST ENGG		QUALITY		DESIGN ENGG: DNg	12.04.08	MFG ENGG		ECO APPRY: DNg	10.07.19	<p>CARLISLE Interconnect Technologies Cerritos, CA 90703</p> <p>TITLE: SMK (2.92mm) FEMALE 4 HOLE FLANGE MOUNT TO STRAIGHT TERMINATION</p> <p>SCALE: 8:1 SUB-DIRECTORY: OUTLINE\OL_ \</p> <p>SIZE: C CASE CODE: 30990 DRAWING NO.: 233 SHEET: 1 OF 1 REV: C</p>	
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ENG-DWG REV. E

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