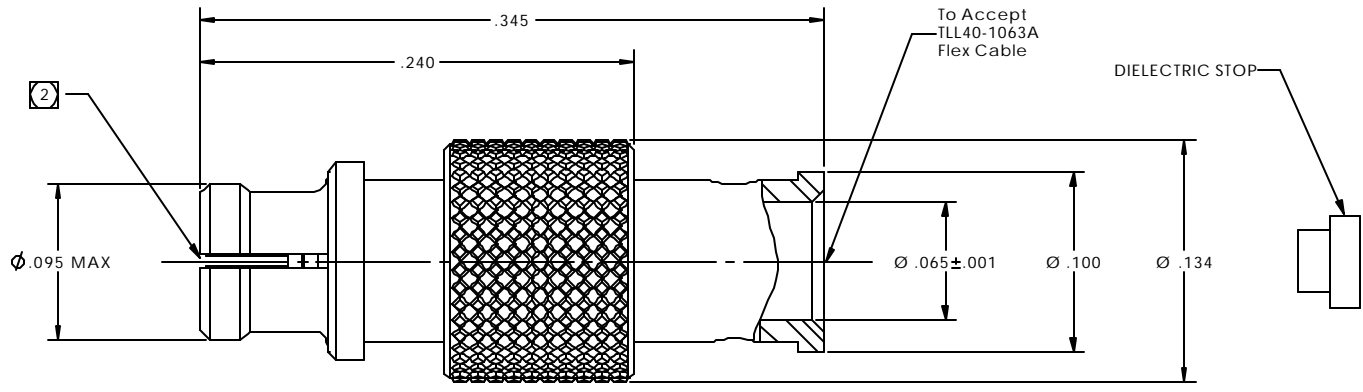
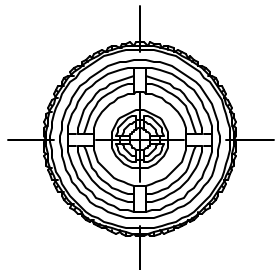
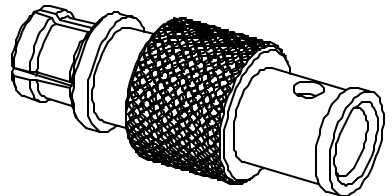


| REVISIONS |             |            |     |
|-----------|-------------|------------|-----|
| REV.      | DESCRIPTION | DATE       | BY  |
| A         | ECO 25176   | 12/16/2011 | DKN |
|           |             |            |     |
|           |             |            |     |



NOTE(S):  
 1. DIELECTRIC STOP TO BE PACKAGED & SHIPPED UNASSEMBLED.  
 2. MEET SMPM FEMALE INTERFACE PER MIL-STD-348, FIG. 328-1.

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| MATERIAL:   | ELECTRICAL:  | MECHANICAL:   | ENVIRONMENTAL:  |
|---|--|---|---|
| <b>Body &amp; Center Conductor:</b><br>BeCu Alloy per ASTM B-196<br><b>Insulator:</b><br>PTFE Teflon per ASTM D-1710<br><b>Dielectric Stop:</b><br>Polyamide-Imide Amoco Torlon No. 4203<br>Per MIL-P-46179A. | <b>Impedance:</b> 50 Ohms Nom.<br><b>Freq. Range:</b> DC TO 40 GHz<br><b>VSWR:</b> 1.08 + .005 x f max GHz.<br><b>Insertion Loss:</b> .03 √f (GHz) dB max<br><b>Working Voltage:</b> 600 Vrms @ Sea Level<br><b>Dielectric Withstand Voltage:</b> 500 Vrms<br><b>RF HiPot Voltage:</b> 325 Vrms Min @ 5MHz<br><b>Corona Level:</b> 190 Vrms @ 70,000 ft<br><b>Insulation Resistance:</b> 5,000 Mohms<br><b>Contact Resistance:</b> 2.0 Milliohms max<br><b>Permeability:</b> Less than 2.0 mu.<br><b>RF Leakage:</b> -80 dB max DC to 3 GHz<br>-65 dB max from 3.5 to 26.5 GHz | <b>Mating Characteristics:</b><br>Interface per CIT SSMP Female 2<br><b>Connector Durability:</b><br>Depend on Detent.<br><b>Force To Engage:</b><br>Full Detent: 3.5 lbs max<br>None-Detent: 1.5 lbs min.<br><b>Force To Disengage:</b><br>Full Detent: 5.0 lbs.<br>None-Detent: 1.5 lbs min.<br><b>Center Contact Retention:</b><br>Axial Force: 1.5 pounds min.<br>Radial Torque: NA | <b>Temp. Range:</b> -65°C to +165°C<br><b>Thermal Shock:</b><br>MIL-STD-202, Method 107, Test Cond. B<br><b>Moisture Resistance:</b><br>MIL-STD-202, Method 106. Insulation resistance at least 200 MegaOhms within 5 minutes after removal from humidity<br><b>Corrosion:</b><br>MIL-STD-202, Method 101, Test Cond. B<br><b>Vibration:</b><br>MIL-STD-202, Method 204, Test Cond. D, for Full Detent Mating only.<br><b>Shock:</b><br>MIL-STD-202, Method 213, Test Cond. I |

| FINISH:  | APPLICABLE CARLISLE IT DOCUMENTS |              |              | TOLERANCES AND NOTES   |  | MATERIAL  |   | SPECIFICATION |  | PROCUREMENT               |  |
|--|----------------------------------|--------------|--------------|--|--|---|---|---------------|--|---------------------------|--|
|  | WORK STANDARD                    | PROD INSTRUC | ASSY INSTRUC | EXCEPT AS NOTED  |  | APPROVAL INITIALS   | DATE  | CARLISLE      |  | Interconnect Technologies |  |
| <b>Body &amp; Center Conductor:</b><br>Gold plate per ASTM B-488, Type II, Code C or D, Class 1.25 over nickel under plated per SAE AMS-QQ-N-290, Class 1. | NA                               | NA           | NA           | DIMENSIONS ARE IN INCHES.<br>LINEAR .0015 ANGULAR ±1/2°<br>FRACTION 1/100<br>1. MACHINING FINISH: √ RMS<br>2. BREAK ALL SHARP EDGES .005 MAX.<br>3. MACHINED FILLETS .005<br>4. MACHINED SURFACES SQUARE TO RESPECT.<br>5. THE AXES WITHIN .005 INCHES PER INCH.<br>6. MACHINED DIAMETERS CONCENTRIC WITHIN .0015<br>7. DIMENSIONS TO BE MET BEFORE PLATING.<br>8. CHAMFER ALL THREADS 45°.<br>9. THREADS PER .18<br>10. REMOVE FRATED EDGES ON TEFLON.<br>11. REMOVE ALL CORNERS. |  | DRAWN BY: HN<br>2.13.09<br>CHECKED BY: -<br>TEST ENGR: -<br>QUALITY: -<br>DESIGN ENG: HN<br>3.3.09<br>MFG. ENGR: ML<br>12.16.11<br>ECO APPRV: DNG<br>12.16.11 | TITLE: SSMP® FEMALE STRAIGHT TO TLL40-1063A FLEX CABLE<br>SCALE: 16:1<br>SHEET 1 of 1<br>DRAWING NO. P177-1CC<br>REV. A |               |  |                           |  |