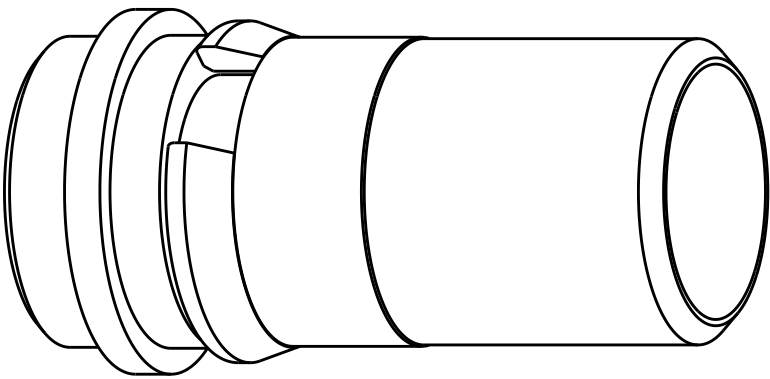
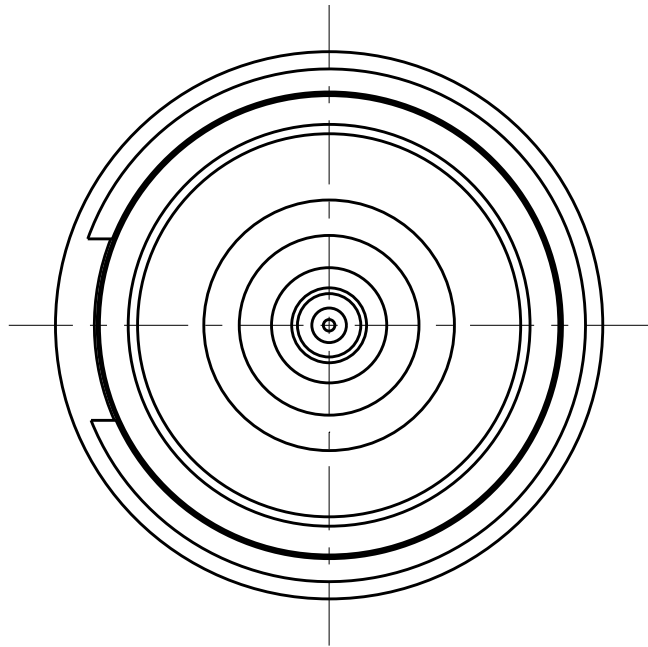
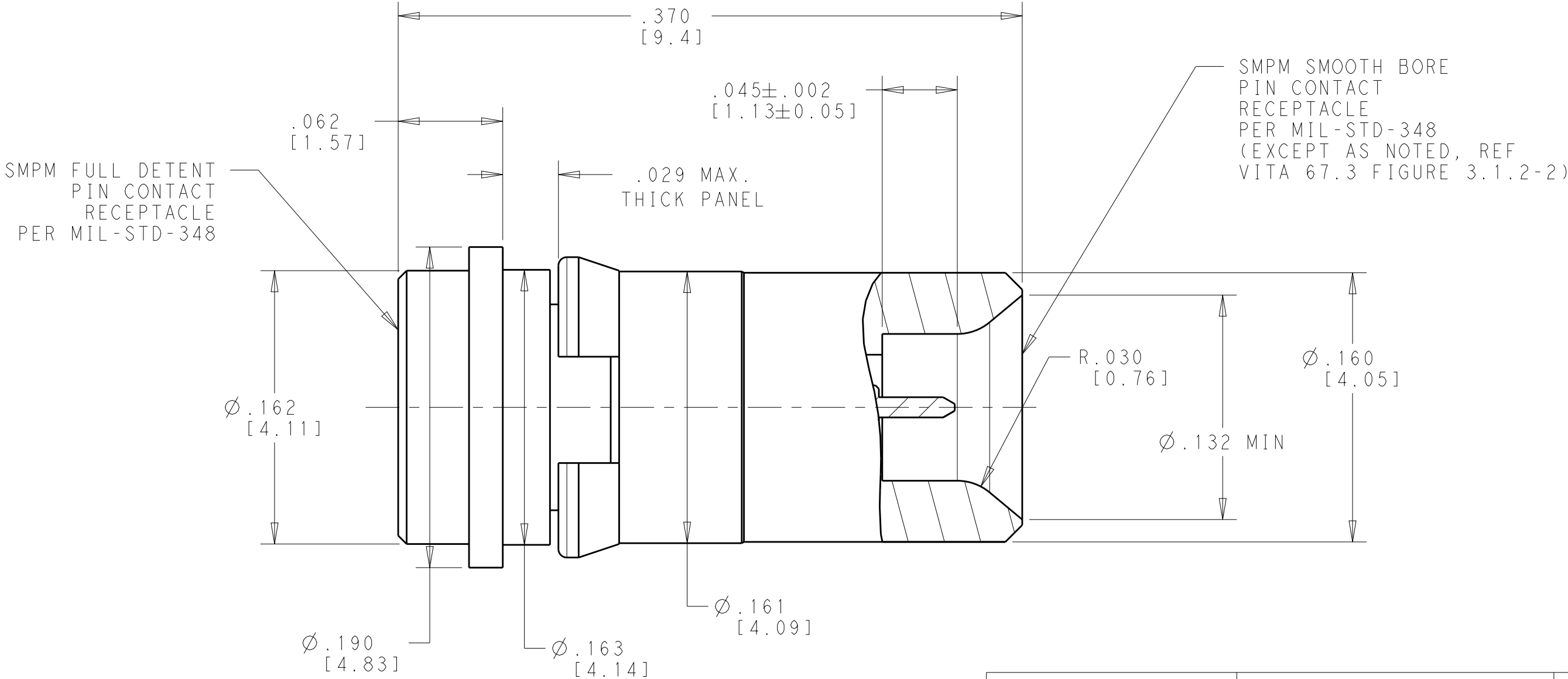


| REVISIONS |     |                            |         |     |      |
|-----------|-----|----------------------------|---------|-----|------|
| P         | LTR | DESCRIPTION                | DATE    | DWN | APVD |
|           | A   | RELEASED PER ECO 17-012498 | 8-24-17 | CT  | DW   |
|           |     |                            |         |     |      |
|           |     |                            |         |     |      |



SCALE 10:1



| ELECTRICAL                                                                                                                                                                                                                                                                                                                                                                                            | MECHANICAL                                                                                                                                                                                                                                                                                               | ENVIRONMENTAL                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nominal Impedance: (Ohms): 50±2<br>Freq. Range (GHz): DC to 40.0<br>SWR (S11)<br>0.5 - 18.0 GHz: 1.10:1<br>18.0 - 26.0 GHz: 1.15:1<br>26.0 - 40.0 GHz: 1.25:1<br>Transmission Loss (S21)<br>.10 dB x SQRT(f)dB (Where f = GHz)<br>DWV (VRMS Min.) @ Sea Level: 325<br>Contact Resistance (Milliohms Max.)<br>Center Contact: 6.0<br>Outer Contact: 2.0<br>Insulation Resistance (Megohms Min.): 5,000 | Interface Dimensions<br>SMPM Smooth Bore & Full Detent per MIL-STD-348 (Except as Noted)<br>Force to Engage (Typical)<br>Full Detent: 4.5 Lbf<br>Smoothbore: 2.5 Lbf<br>Force to Disengage (Typical)<br>Full Detent: 6.5 Lbf<br>Smoothbore: 1.5 Lbf<br>Center Contact Retention:<br>1.5 Axial (Lbf Min.) | Temperature Rating:<br>-65°C to 165°C<br>Vibration:<br>EIA-364-28, Test Cond. III<br>Mechanical Shock:<br>EIA-364-27, Method G<br>Durability - EIA-364-9<br>SMPM Full Detent:<br>100 Cycles Min.<br>SMPM Smoothbore:<br>500 Cycles Min.<br>Humidity/Temperature Cycling:<br>EIA-364-31, Method III |

| COMPONENT        | MATERIAL                                  | FINISH                                                                                                      |
|------------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| SMPM PLUG BODIES | BERYLLIUM COPPER<br>PER ASTM B 196 (TH04) | .00005 MIN. THICK GOLD PLATE<br>PER ASTM B 488<br>OVER .00010 MIN. THICK NICKEL PLATE, PER SAE-AMS-QQ-N-290 |
| CENTER CONTACTS  | BERYLLIUM COPPER<br>PER ASTM B 196 (TH04) | .00005 MIN. THICK GOLD PLATE<br>PER ASTM B 488<br>OVER .00010 MIN. THICK NICKEL PLATE, PER SAE-AMS-QQ-N-290 |
| INSULATORS       | PTFE FLUOROCARBON<br>PER ASTM D 1710      | -----                                                                                                       |
| RETAINING RING   | BERYLLIUM COPPER<br>PER ASTM B 196 (TD04) | .00010 MIN. THICK NICKEL PLATE, PER AMS-QQ-N-290                                                            |

2221664-1  
PART  
NUMBER

|                                                                             |  |                                   |                                                                                                        |  |  |  |
|-----------------------------------------------------------------------------|--|-----------------------------------|--------------------------------------------------------------------------------------------------------|--|--|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                      |  | DWN<br>S. T. Morley<br>22AUG2013  | TE Connectivity                                                                                        |  |  |  |
| DIMENSIONS:<br>INCHES[mm]                                                   |  | CHK<br>S. T. Morley<br>22AUG2013  |                                                                                                        |  |  |  |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:                                      |  | APVD<br>S. T. Morley<br>22AUG2013 | NAME<br>SMPM, STRAIGHT ADAPTER<br>PANEL MOUNT, REAR ENTRY (SNAP-IN)<br>SMOOTH BORE (M)-FULL DETENT (M) |  |  |  |
| 0 PLC ±.1<br>1 PLC ±.01<br>2 PLC ±.001<br>3 PLC ±.0005<br>4 PLC ANGLES ±1.0 |  | PRODUCT SPEC<br>-                 | SIZE<br>A2                                                                                             |  |  |  |
| MATERIAL<br>SEE TABLE                                                       |  | APPLICATION SPEC<br>-             | CAGE CODE<br>-                                                                                         |  |  |  |
| FINISH<br>SEE TABLE                                                         |  | WEIGHT<br>0.97g                   | DRAWING NO<br>C-2221664-C                                                                              |  |  |  |
| CUSTOMER DRAWING                                                            |  | SCALE<br>15:1                     | SHEET<br>1 OF 1                                                                                        |  |  |  |
|                                                                             |  |                                   | REV<br>A                                                                                               |  |  |  |

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