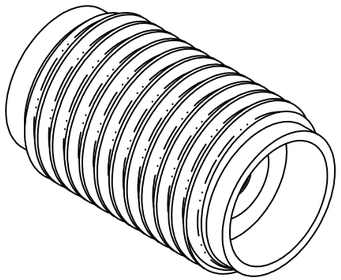
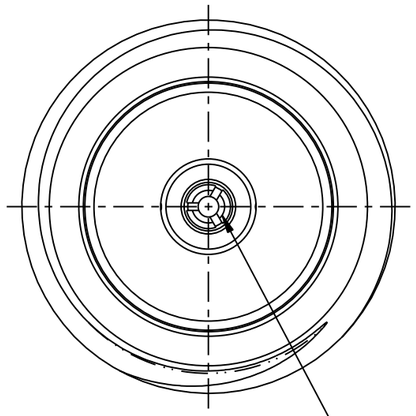
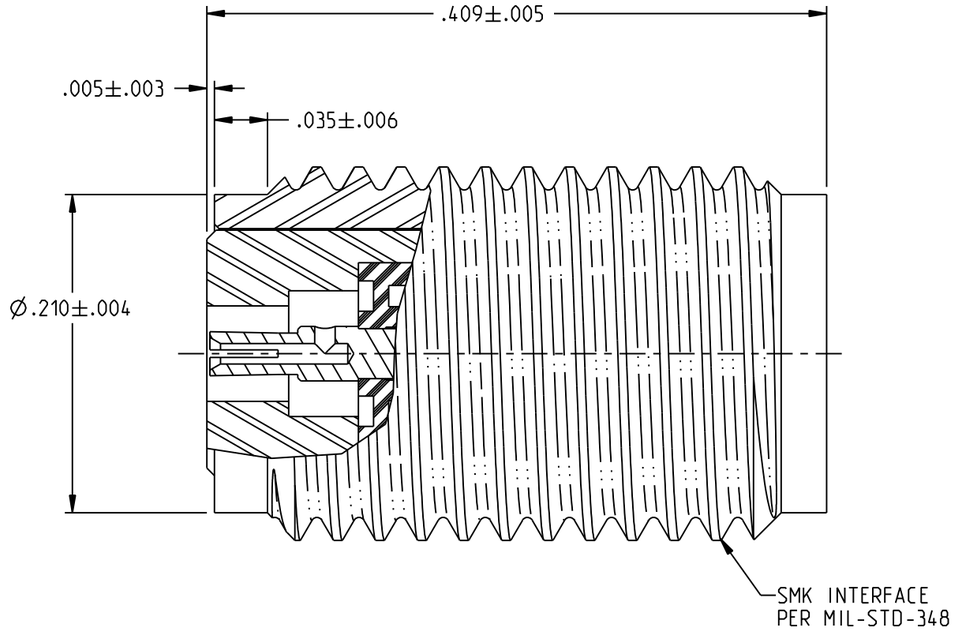






NOTES: UNLESS OTHERWISE SPECIFIED.

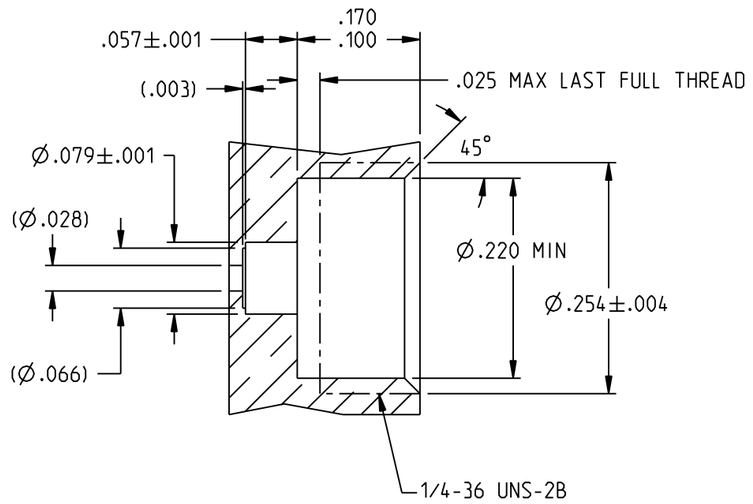
1. MATERIAL & FINISH:

   1.1 BODY & INSERT
      1.1.1 145-0701-001: GOLD PLATED STAINLESS STEEL
      1.1.2 145-0701-002: PASSIVATED STAINLESS STEEL
   1.2 SUPPORT BEAD: PPE (NORYL)
   1.3 CENTER CONTACT: GOLD PLATED BERYLLIUM COPPER

2. ELECTRICAL:
   2.1 IMPEDANCE: 50 OHMS
   2.2 FREQUENCY RANGE: 0 - 40.0 GHz
   2.3 VSWR: DEPENDANT UPON APPLICATION, TYPICALLY 1.22 MAX
   2.4 WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
   2.5 DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
   2.6 INSULATION RESISTANCE: 5000 MEGOHM MIN
   2.7 CONTACT RESISTANCE:
         CENTER CONTACT - INITIAL 6.0 MILLIOHM MAX, AFTER
                          ENVIRONMENTAL 8.0 MILLIOHM MAX
          OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX
                          AFTER ENVIRONMENTAL NOT APPLICABLE
   2.8 CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET
   2.9 INSERTION LOSS: DEPENDANT UPON APPLICATION, TYPICALLY < .06$\sqrt{F}$ (F IN GHz)
   2.10 RF LEAKAGE: -90 dB MIN AT 2.5 GHz
   2.11 RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 670 VRMS AT 4 AND 7 MHz

3. MECHANICAL:
   3.1 ENGAGE/DISENGAGE TORQUE: 2 INCH-POUNDS MAX
   3.2 MATING TORQUE: 7-10 INCH POUNDS
   3.3 CONTACT RETENTION: 6 LBS MIN AXIAL FORCE
   3.4 DURABILITY: 500 CYCLES MIN

4. ENVIRONMENTAL:
   4.1 (MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-39012)
   4.2 THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B
   4.3 OPERATING TEMPERATURE: -65°C TO 125°C
   4.4 CORROSION: MIL-STD-202, METHOD 101, CONDITION B
   4.5 SHOCK: MIL-STD-202, METHOD 213, CONDITION I
   4.6 VIBRATION: MIL-STD-202, METHOD 204, CONDITION D
   4.7 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106



MOUNTING HOLE

REF DIMENSIONS PENDING CUSTOMER APPLICATION
RECOMMENDED SEAL PIN: JOHNSON 142-1000-033

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INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5-2009.

3RD ANGLE PROJECTION

RoHS2 2011/65/EU

UNLESS OTHERWISE SPECIFIED UNITS: INCH
.XX ±.02
.XXX ±.005
ANGLES ±2°

JOHNSON

Title: SMK (2.92mm) JACK ASSY THREAD MOUNT, FIELD REPLACEABLE, .012 SEAL PIN

Model No. 145-0701-001/010

Size	DO NOT SCALE DRAWING	Date	Sheet
B		1/16/2020	1 OF 1

Please read our datasheet & drawing disclaimer here.