PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR
145-0701-251	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER	TEFLON

REV	ECO	DATE
1	INITIAL RELEASE	27SEP2021

NOTES:

1. ELECTRICAL SPECIFICATIONS:

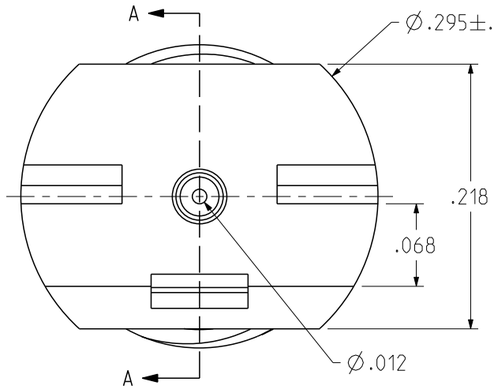
   1.1 IMPEDANCE: 50 OHMS
   1.2 FREQUENCY RANGE: 0-40 GHz
   1.3 VSWR: 1.5 MAX
   1.4 INSERTION LOSS: 0.05 SQRT(F) dB MAX (F IN GHz)
   1.5 WORKING VOLTAGE: 250 VRMS MAX AT SEA LEVEL
   1.6 DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
   1.7 INSULATION RESISTANCE: 5000 MEGOHM MIN
   1.8 CONTACT RESISTANCE:
      1.8.1 CENTER CONTACT - INITIAL 3.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
      1.8.2 OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
   1.9 RF LEAKAGE: -90dB TYPICAL AT 2.5 GHz

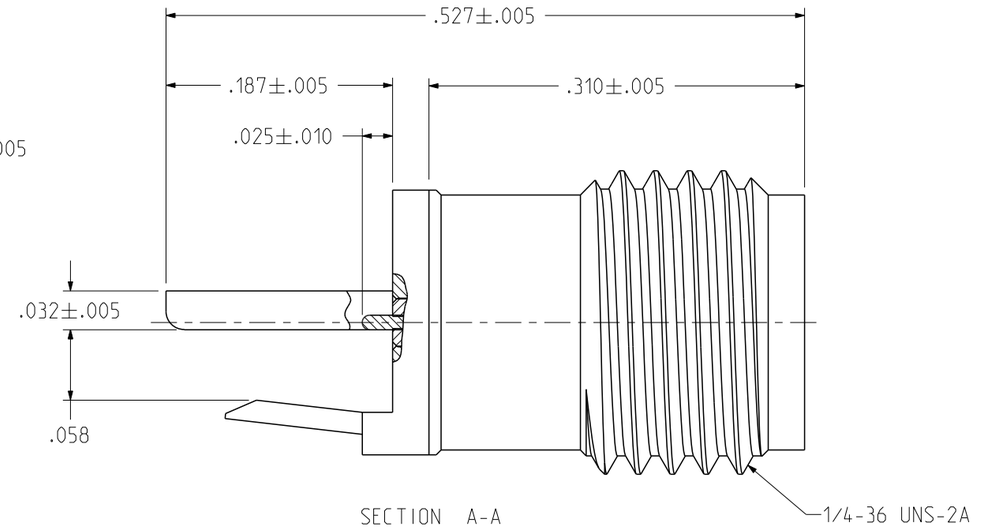
2. MECHANICAL SPECIFICATIONS:

   2.1 ENGAGEMENT/DISENGAGEMENT FORCE: 2 IN LBS MAX
   2.2 MATING TORQUE: 7 TO 10 INCH-POUNDS
   2.3 DURABILITY: 500 CYCLES MIN

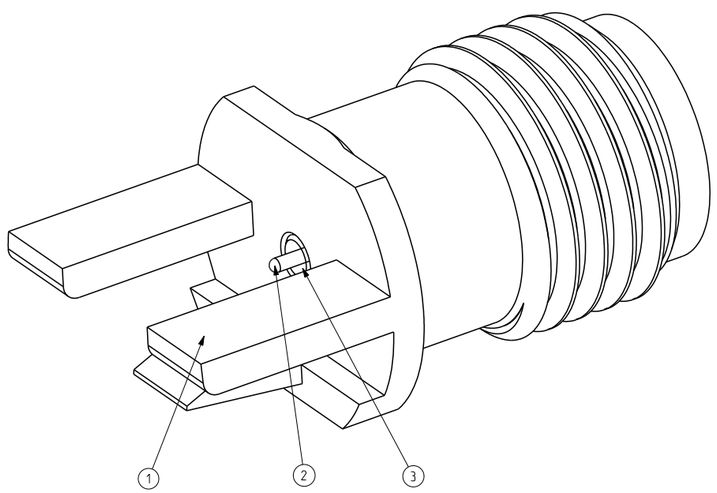
3. ENVIRONMENTAL:

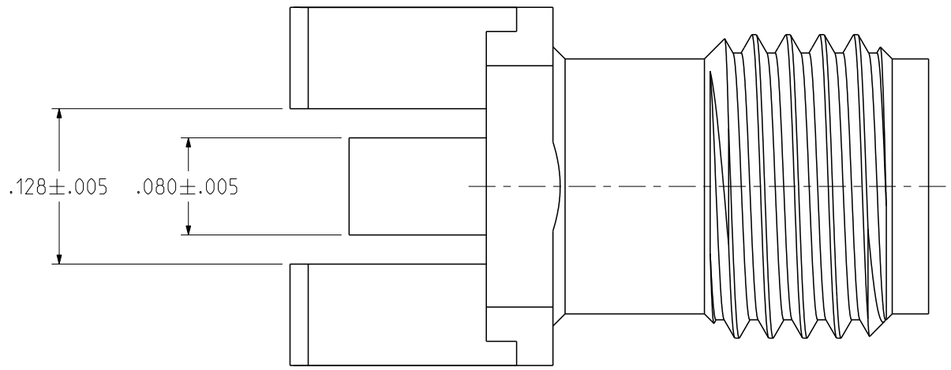
   3.1 THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B
   3.2 OPERATING TEMPERATURE: -45 °C TO 85 °C
   3.3 CORROSION: MIL-STD-202, METHOD 101, CONDITION B
   3.4 SHOCK: MIL-STD-202, METHOD 213, CONDITION I
   3.5 VIBRATION: MIL-STD-202, METHOD 204, CONDITION D
   3.6 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106





SECTION A-A





cinch CONNECTIVITY SOLUTIONS a bel group	Model No: 145-0701-251/260		JOHNSON
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	UNLESS OTHERWISE SPECIFIED UNITS: INCH .XX ± .01 .XXX ± .003 .XXXX ± .0010 ANGLE ± 2°	3RD ANGLE PROJECTION Drawn by: TOMMY REN Date: 09/27/2021	Drawing No. 145-0701-251/260 REV. 1 Size B | DO NOT SCALE DRAWING | Workmanship Std: NONE | Sheet 1 OF 1

Please read our datasheet & drawing disclaimer here.