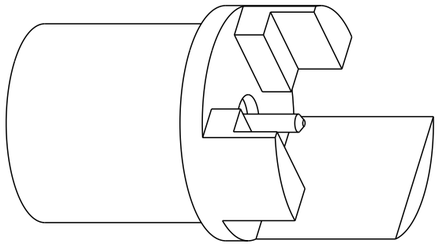
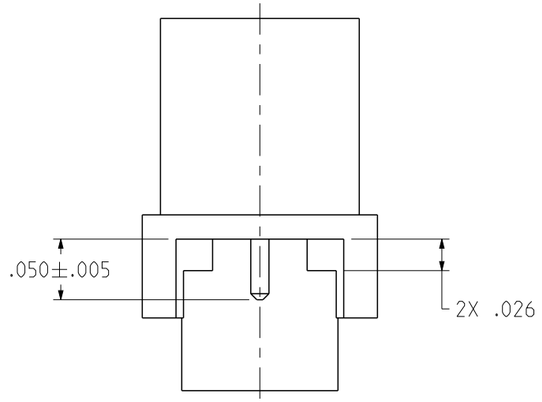
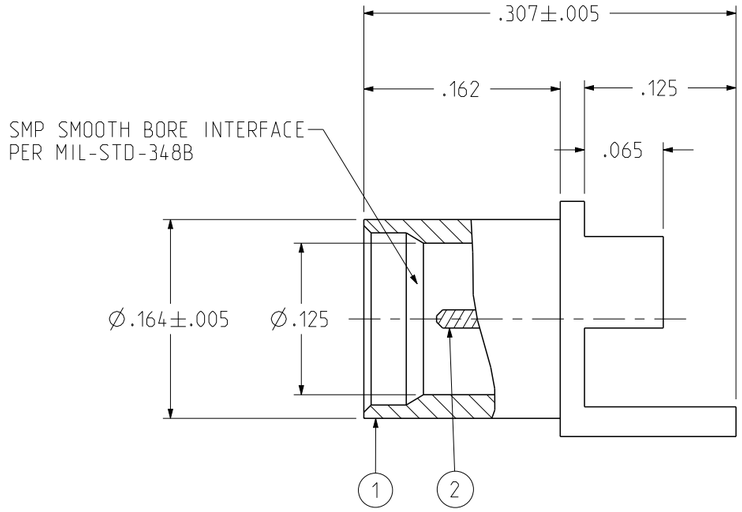
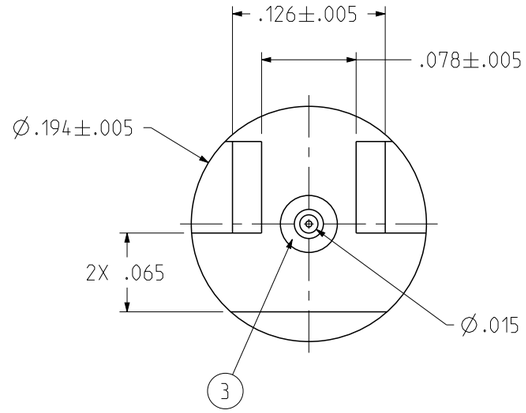
PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR
127-2701-841	BRASS GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER	TEFLON

REV	ECO	DATE
1	INITIAL RELEASE	06MAR2024
2	-	01APR2024
3	EC-2408007	13AUG2024









NOTES:

1. ELECTRICAL SPECIFICATIONS:

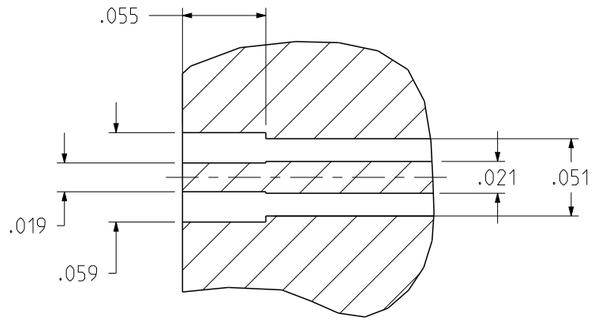
   1.1 IMPEDANCE: 50 OHMS
   1.2 FREQUENCY RANGE: DC-26.5 GHz
   1.3 VSWR: 1.15 MAX
   1.4 WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
   1.5 DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS MIN AT SEA LEVEL
   1.6 INSULATION RESISTANCE: 5000 MEGOHM MIN
   1.7 CONTACT RESISTANCE:
      1.7.1 CENTER CONTACT - INTIAL 6.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
      1.7.2 OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE

2. MECHANICAL SPECIFICATIONS:

   2.1 ENGAGE FORCE: 2.0 LBS MAX
      DISENGAGE FORCE: 0.5 LBS MIN
   2.2 DURABILITY: 1000 CYCLES MIN

3. ENVIRONMENTAL:
   (MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-39012)

   3.1 THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B, EXCEPT 125°C HIGH TEMP
   3.2 OPERATING TEMPERATURE: -65 °C TO 165 °C
   3.3 CORROSION: MIL-STD-202, METHOD 101, CONDITION B
   3.4 MECHANICAL 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, EXCEPT STEP 7B OMITTED



RECOMMENDED PCB LAYOUT

NOTE: THIS PATTERN IS FOR REFERENCE ONLY.PATTERN MAY VARY DEPENDING ON ASSEMBLY PROCESS, BOARD TYPE, OR SPECIFIC ELECTRICAL OR MECHANICAL REQUIREMENTS.

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INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5-2018.

Model No: 127-2701-841/850

RoHS ☑ (EU)/2015/863 COMPLIANT

UNLESS OTHERWISE SPECIFIED UNITS: INCH
.XX ± .01
.XXX ± .003
.XXXX ± .0010
ANGLE ± 2°

Cage Code

3RD ANGLE PROJECTION

Drawn by: Roman. Yao

Date: 03/06/2024

JOHNSON

Title: SMP STRADDLE MOUNT END LAUNCH PIN CONTACT, .062 PCB, SB

Drawing No. 127-2701-841/850 REV. 3

Size B | DO NOT SCALE DRAWING | Workmanship Std: NONE | Sheet 1 OF 1

Please read our datasheet & drawing disclaimer here.