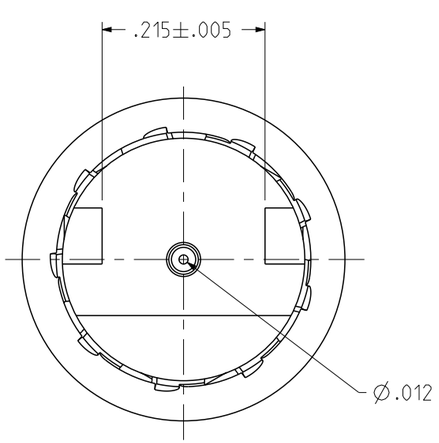
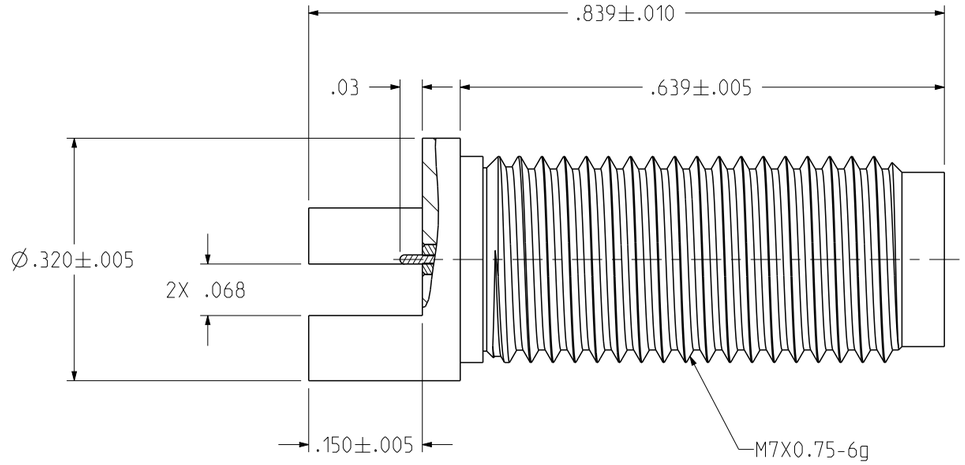
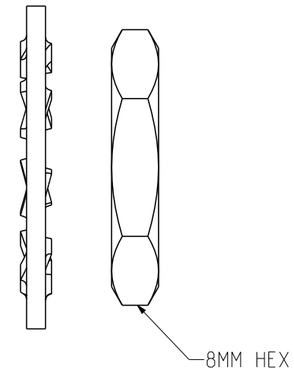
PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR	ITEM ④ LOCKWASHER	ITEM ⑤ NUT	PANEL THICKNESS
147-0701-411	BRASS NIKCEL PL .0001 MIN OVER COPPER	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER	TEFLON	BRONZE NICKEL PL .0001 MIN OVER COPPER	BRASS NICKEL PL .0001 MIN OVER COPPER	.300 MAX

REV	ECO	DATE
1	INITIAL RELEASE	24OCT2022





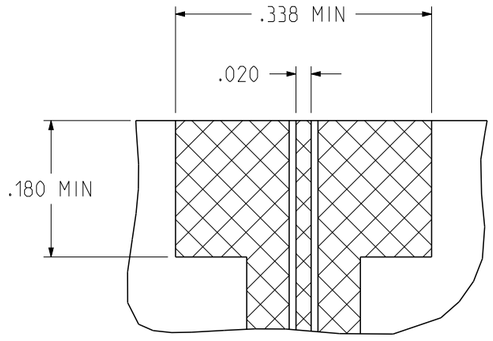


NOTES:

1. ELECTRICAL SPECIFICATIONS:
   1.1 IMPEDANCE: 50 OHMS
   1.2 FREQUENCY RANGE: DC-50 GHz
   1.3 VSWR: 1.50 MAX
   1.4 WORKING VOLTAGE: 150 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 4.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
      1.7.2 OUTER CONDUCTOR - INITIAL 2.5 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE

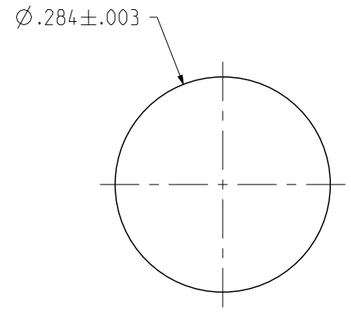
2. MECHANICAL SPECIFICATIONS:
   2.1 ENGAGEMENT/DISENGAGEMENT FORCE: 2 INCH-POUNDS MAX
   2.2 MATING TORQUE: 7 TO 10 INCH-POUNDS
   2.3 DURABILITY: 500 CYCLES MIN

3. ENVIRONMENTAL:
   3.1 THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B
   3.2 OPERATING TEMPERATURE: -65 °C TO 165 °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

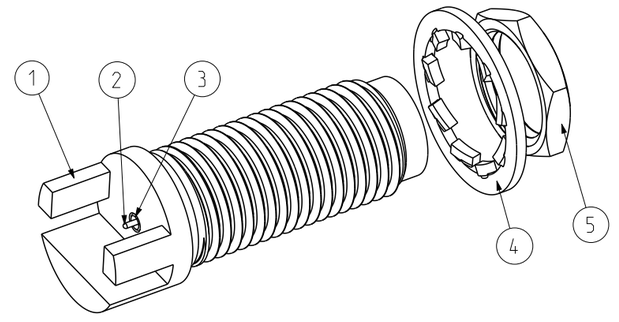


RECOMMENDED PCB LAYOUT

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



RECOMMENDED MOUNTING HOLE



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

Model No: 147-0701-411/420

RoHS ☑ (EU)/2015/863 COMPLIANT

Cage Code

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

3RD ANGLE PROJECTION

Drawn by: Roman Yao

Date: 10/24/2022

JOHNSON

Title: 2.4MM JACK, PCB END LAUNCH, BULKHEAD

Drawing No. 147-0701-411/420 REV. 1

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

Please read our datasheet & drawing disclaimer here.