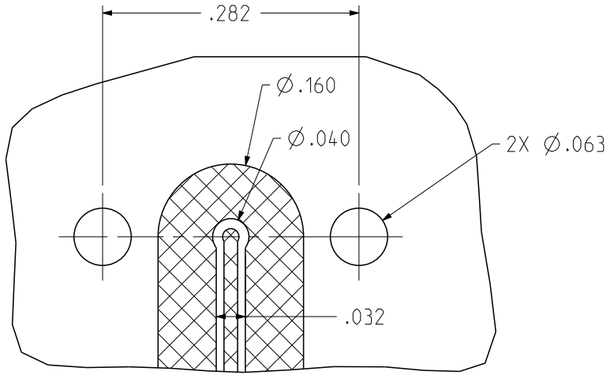
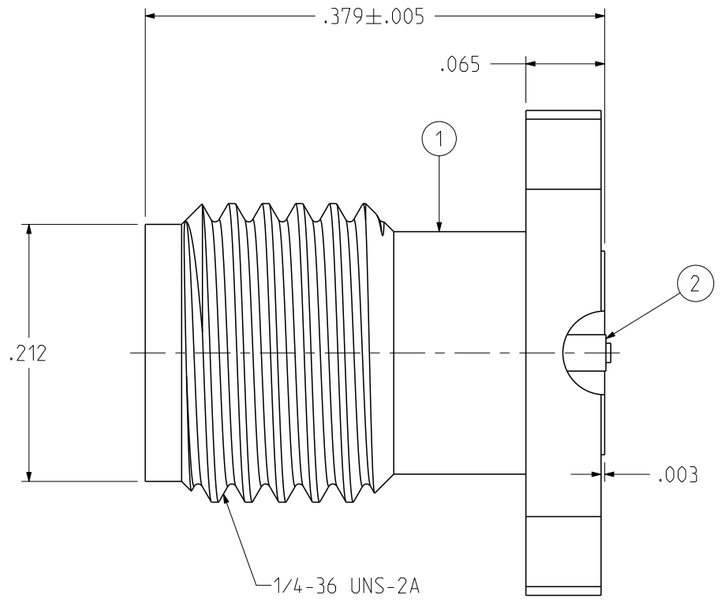
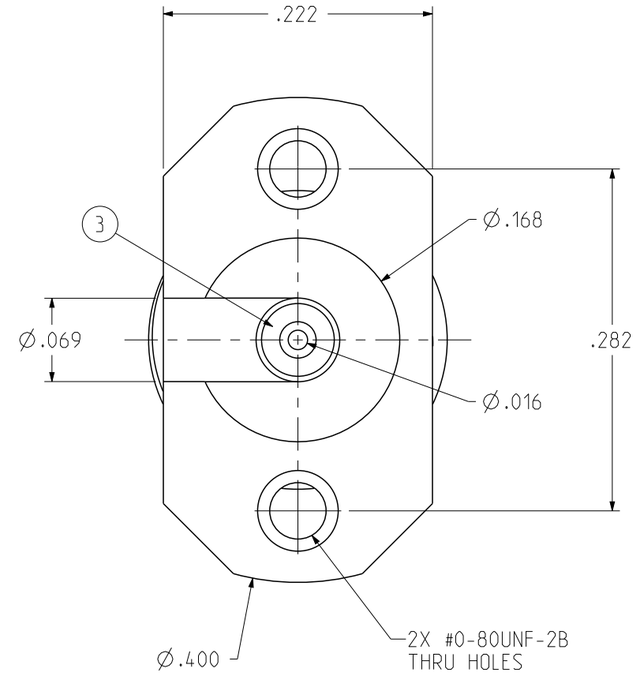
PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR	ITEM ④ SCREW
141-0701-231	STAINLESS STEEL PASSIVATED	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	STAINLESS STEEL PASSIVATED

REV	ECO	DATE
1	INITIAL RELEASE	24NOV2020
2	EC-2201004	07JAN2021
3	EC-2209011	23SEP2022



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.





NOTES:

1. ELECTRICAL SPECIFICATIONS:

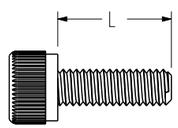
   1.1 IMPEDANCE: 50 OHMS
   1.2 FREQUENCY RANGE: 0-26.5 GHz
   1.3 VSWR: 1.20 MAX
   1.4 WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
   1.5 DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
   1.6 INSULATION RESISTANCE: 5000 MEGOHM MIN
   1.7 CONTACT RESISTANCE:
      1.7.1 CENTER CONTACT - INTIAL 3.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 4.0 MILLIOHM MAX
      1.7.2 OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
   1.8 CORONA LEVEL: 250 VOLTS MINIMUM AT 70,000 FEET
      INSERTION LOSS: NOT APPLICABLE
      RF LEAKAGE: NOT APPLICABLE
      RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 670 VRMS MIN AT 4 AND 7 MHz

2. MECHANICAL SPECIFICATIONS:

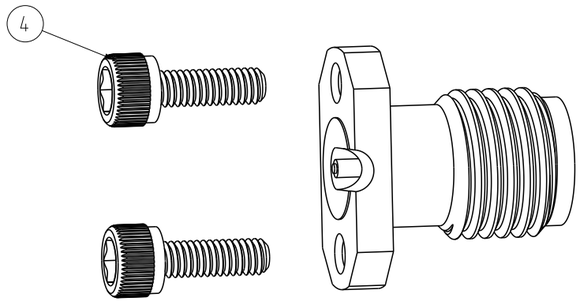
   2.1 ENGAGE/DISENGAGE TORQUE: 2 IN LBS MAX
   2.2 MATING TORQUE: 7-10 IN LBS
   2.3 DURABILITY: 500 CYCLES MIN

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

   3.1 THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B
   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 SCREW DIMENSIONS	
L	PCB THICKNESS
3/16"(4.76mm)	.030"(0.76mm) to .096"(2.44mm)



SCALE 4:1

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

Model No: 141-0701-231/240

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: 11/24/2020

JOHNSON

Title: JACK ASSY, VPC MT, SMA, 2 HOLE FLANGE, MICROSTRIP

Drawing No. 141-0701-231/240 REV. 3

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

Please read our datasheet & drawing disclaimer here.