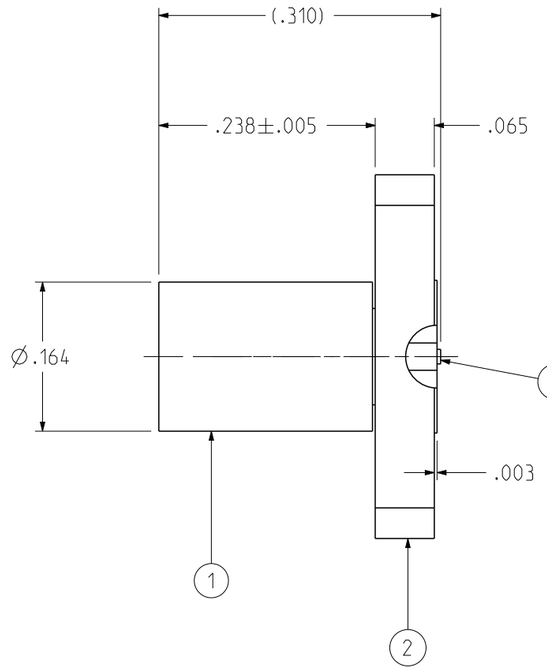
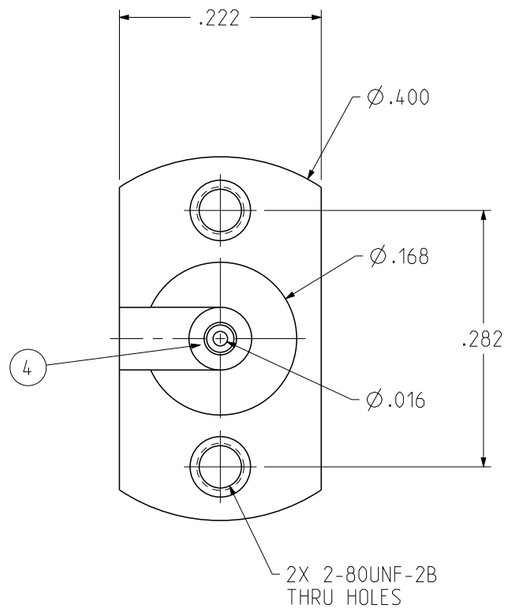
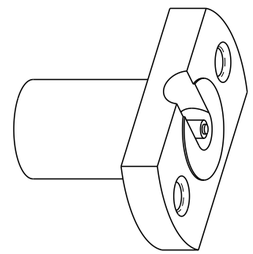
PART NUMBER	ITEM ① BODY	ITEM ② BASE	ITEM ③ CONTACT	ITEM ④ INSULATOR
127-0701-631	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON

REV	ECO	DATE
1	INITIAL RELEASE	01APR2020







SCALE 4:1

NOTES:

1. ELECTRICAL SPECIFICATIONS:

   1.1 IMPEDANCE: 50 OHMS NOMINAL
   1.2 FREQUENCY RANGE: DC-40 GHz
   1.3 VSWR: 1.50 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
   1.8 INSERTION LOSS: 0.12 $\sqrt{F}$ (GHz) dB MAX, TESTED AT 10 GHz
     CORONA LEVEL: 190 VOLTS MINIMUM AT 70,000 FEET
     RF LEAKAGE: -80 dB TYPICAL, TESTED AT 2.5 GHz
     RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 325 VRMS MIN AT 4 AND 7 MHz

2. MECHANICAL SPECIFICATIONS:

   2.1 INTERFACE DESIGN: IN ACCORDANCE WITH MIL-STD-348A, SERIES SMP
   2.2 ENGAGEMENT FORCE: 15.0 LBS MAX (FULL DETENT)
   2.3 DISENGAGEMENT FORCE: 5.0 LBS MIN (FULL DETENT)
   2.4 CONTACT RETENTION: 1.5 LBS MIN AXIAL FORCE
   2.5 DURABILITY: 100 CYCLES MIN (FULL DETENT)

3. ENVIRONMENTAL:

   3.1 OPERATING TEMPERATURE: -65 °C TO 165 °C
   3.2 THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B, EXCEPT 125°C HIGH TEMP
   3.3 MECHANICAL SHOCK: MIL-STD-202, METHOD 213, CONDITION I
   3.4 CORROSION: MIL-STD-202, METHOD 101, CONDITION B
   3.5 VIBRATION: MIL-STD-202, METHOD 204, CONDITION B
   3.6 MOISTURE: MIL-STD-202, METHOD 106, EXCEPT STEP 7B OMITTED

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

Model No: 127-0701-631/640

RoHS ☑ (EU)/2015/863 COMPLIANT

Cage Code

3RD ANGLE PROJECTION

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

Drawn by: ROMAN.YAO

Date: 04/01/2020

JOHNSON

Title: 2-HOLE FLANGE MOUNT JACK, PCB COMPRESSION MOUNT, VERTICAL LAUNCH, WITH GROOVE, SMP

Drawing No. 127-0701-631/640 REV. 1

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

Please read our datasheet & drawing disclaimer here.