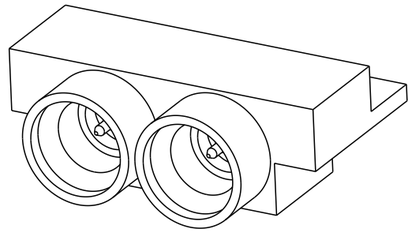
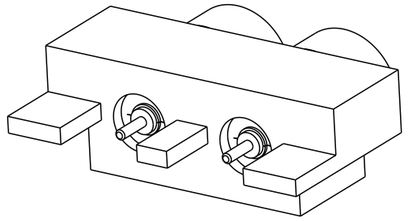
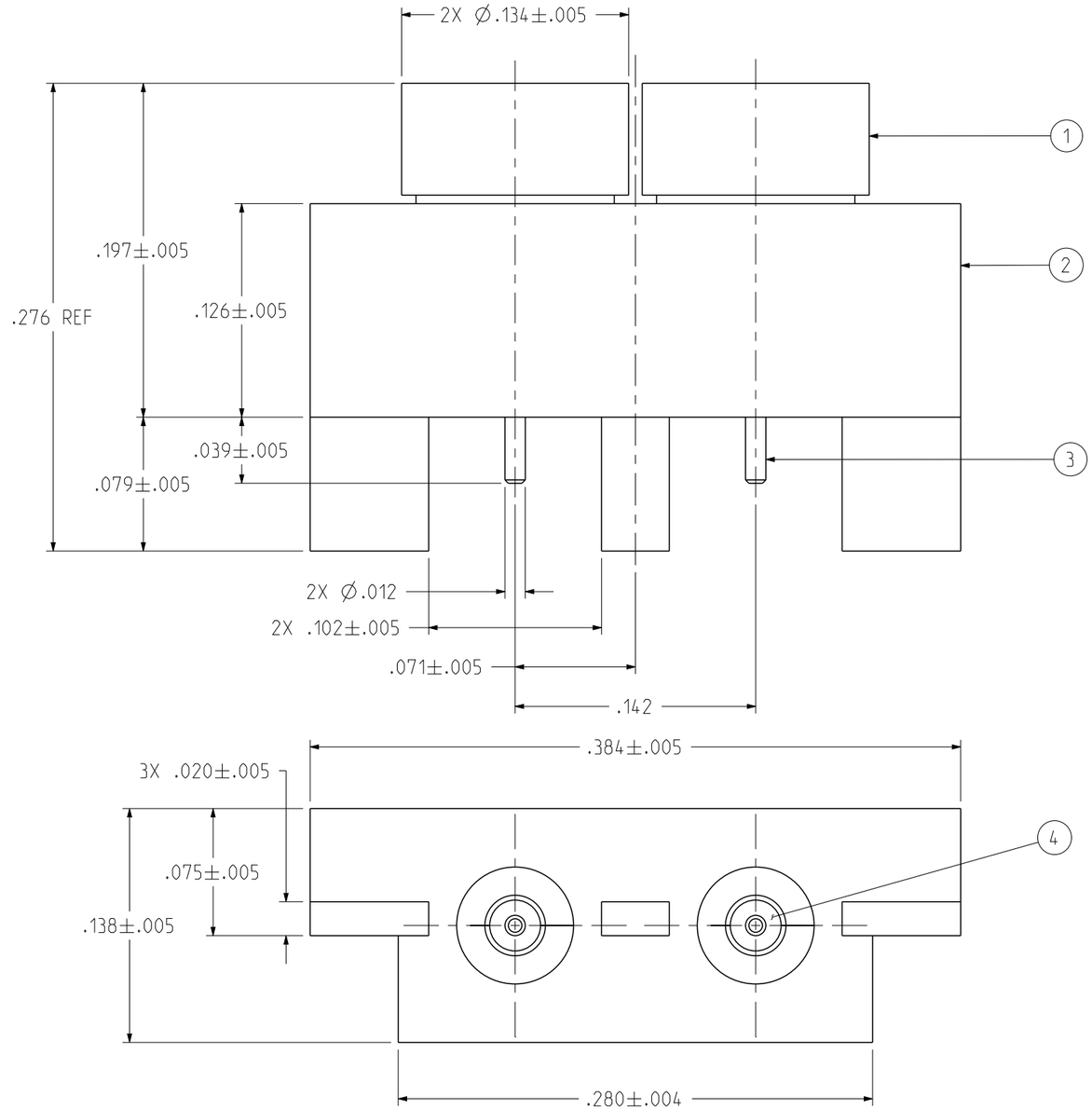
| PART NUMBER | ITEM ① INTERFACE INSERT | ITEM ② BASE | ITEM ③ CONTACT | ITEM ④ INSULATOR |
|---|---|---|---|---|
| 125-2701-811 | BERYLLIUM COPPER<br>GOLD PL .00005 MIN OVER<br>NICKEL PL .00005 MIN | BRASS<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .00005 MIN | BERYLLIUM COPPER<br>GOLD PL .00005 MIN OVER<br>NICKEL PL .00005 MIN | TEFLON |

| REV | ECO | DATE |
|---|---|---|
| 1 | INITIAL RELEASE | 13OCT2020 |
| 2 | EC-2102004 | 03FEB2021 |
| | | |








NOTES:

1. ELECTRICAL SPECIFICATIONS:

   1.1 IMPEDANCE: 50 OHMS
   1.2 FREQUENCY RANGE: DC-65 GHz
   1.3 VSWR: 1.35 MAX DC TO 40 GHz
   1.50 MAX 40 GHz TO 65 GHz
   1.4 WORKING VOLTAGE: 325 VRMS MAX AT SEA LEVEL
   1.5 DIELECTRIC WITHSTANDING VOLTAGE: 325 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: 0.1 $\sqrt{F}$ (GHz) dB MAX

2. MECHANICAL SPECIFICATIONS:

   2.1 ENGAGEMENT FORCE: 2.5 LBS MAX
   2.2 DISENGAGEMENT FORCE: 1.5 LBS MIN
   2.3 DURABILITY: 500 CYCLES MIN

3. ENVIRONMENTAL:

   3.1 OPERATING TEMPERATURE: -65 °C TO 165 °C
   3.2 THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B, EXCEPT 165°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 D
   3.6 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106, EXCEPT STEP 7B OMITTED

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

Model No: 125-2701-811/820

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: TOMMY REN

Date: 10/13/2020

JOHNSON

Title: SMPM MALE SMOOTH BORE 2-PORT PCB EDGE LAUNCH

Drawing No. 125-2701-811/820 REV. 2

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

Please read our datasheet & drawing disclaimer here.