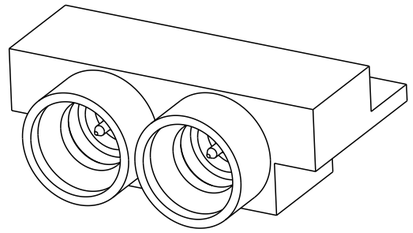
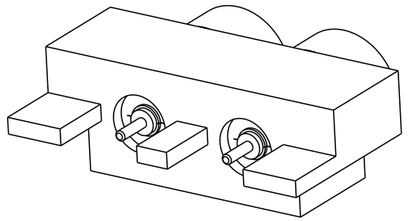
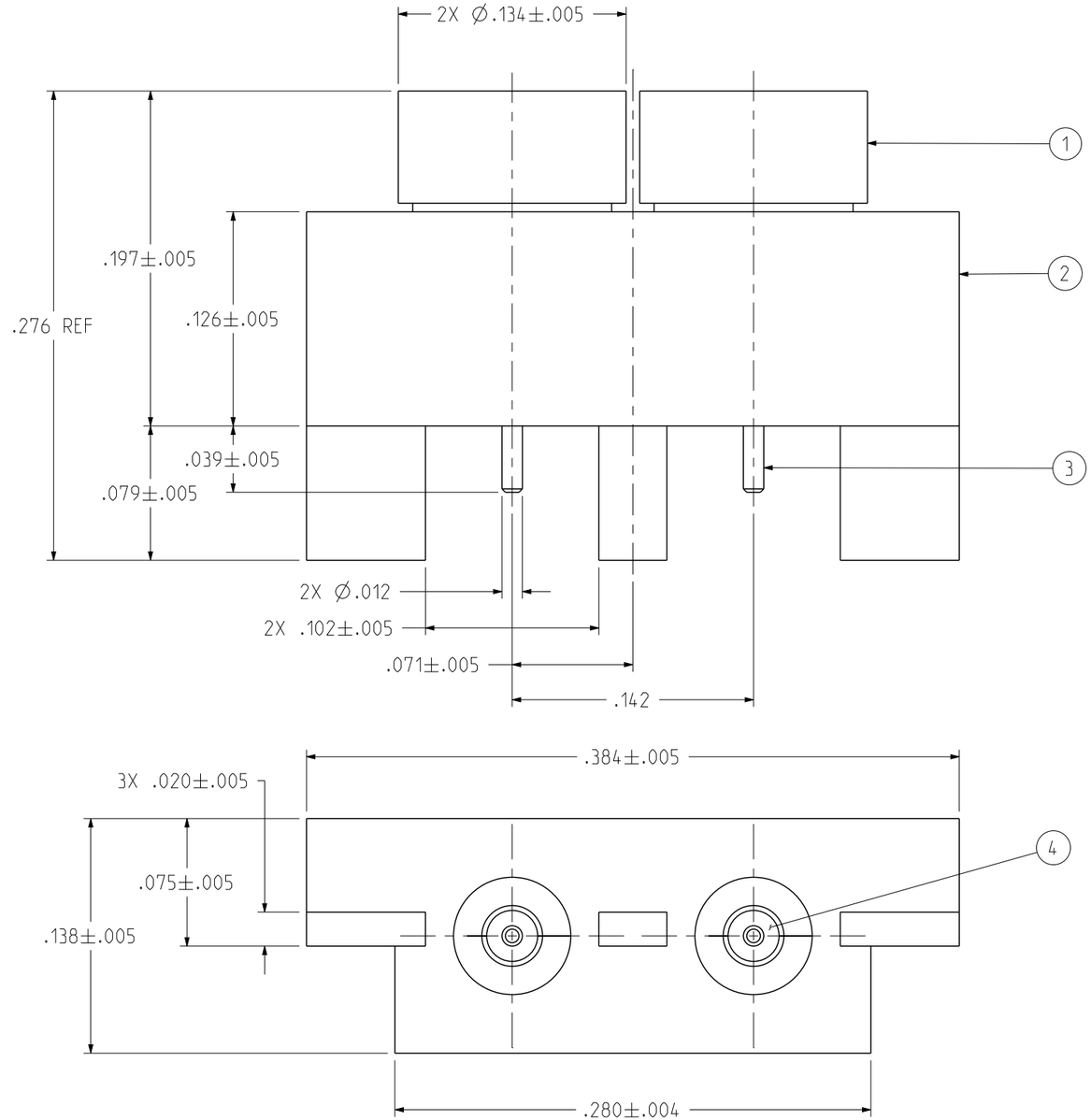
PART NUMBER	ITEM ① INTERFACE INSERT	ITEM ② BASE	ITEM ③ CONTACT	ITEM ④ INSULATOR
125-0701-821	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN	TEFLON

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: 4.5 LBS MAX
   2.2 DISENGAGEMENT FORCE: 6.5 LBS MIN
   2.3 DURABILITY: 100 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: 125-0701-821/830

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 FULL DETENT 2-PORT PCB EDGE LAUNCH

Drawing No. 125-0701-821/830 REV. 2

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

Please read our datasheet & drawing disclaimer here.