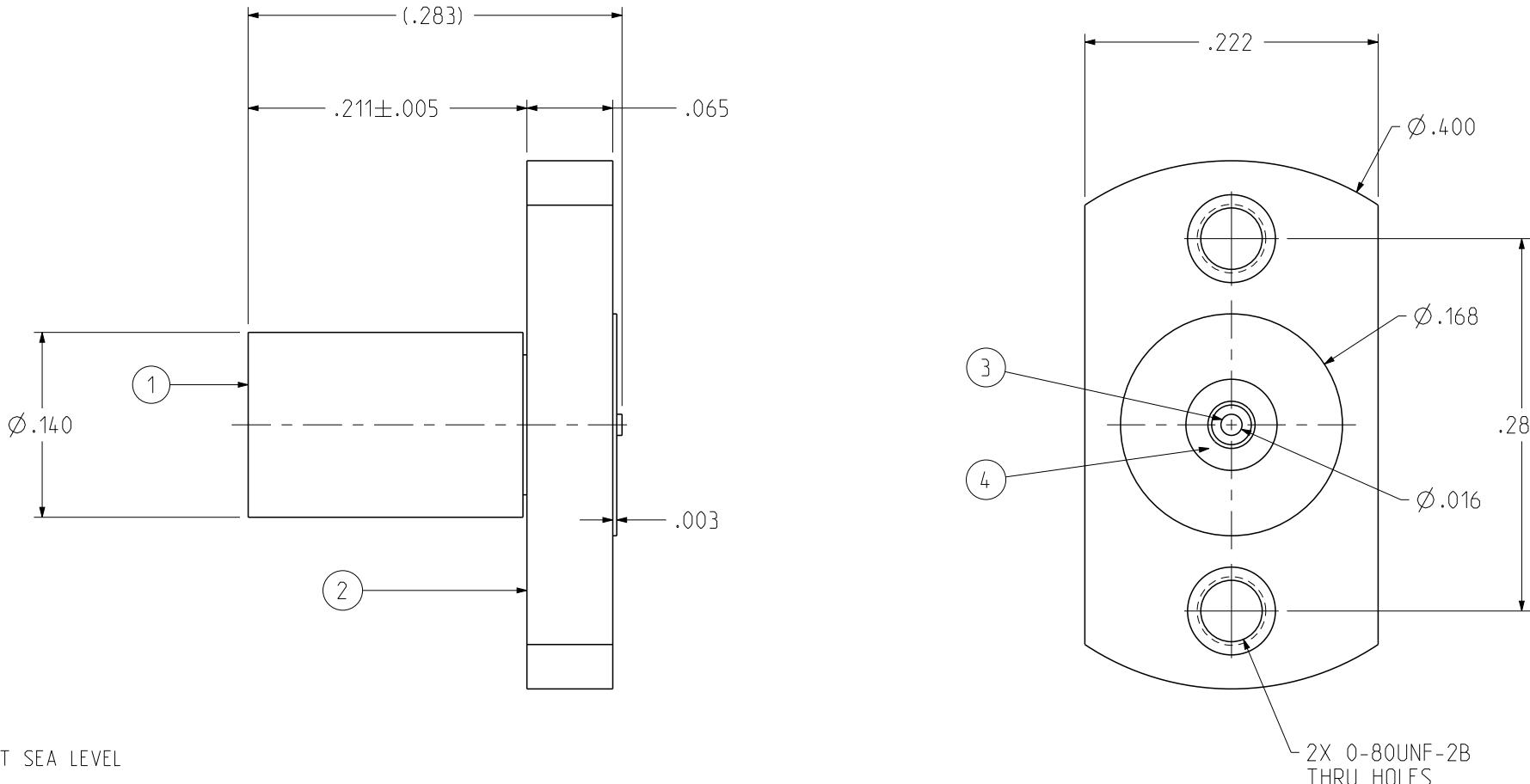


PART NUMBER	ITEM ① BODY	ITEM ② REAR BODY	ITEM ③ CONTACT	ITEM ④ INSULATOR
125-0701-241	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON

REV	ECO	DATE
1	INITIAL RELEASE	07AUG2019
2	EC-1911009	20NOV2019
3	EC-2004015	14APR2020
4	EC-2009007	16SEP2020



#### NOTES:

#### 1. ELECTRICAL SPECIFICATIONS:

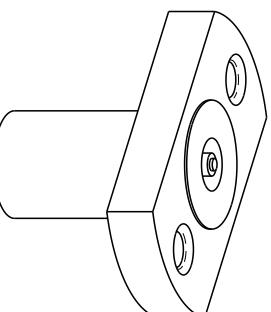
- 1.1 IMPEDANCE: 50 OHMS NOMINAL
- 1.2 FREQUENCY RANGE: DC-65 GHz
- 1.3 VSWR: 1.40 TYPICAL DC-50 GHz
- 1.4 INSERTION LOSS: 0.12  $\sqrt{F}$  dB MAX (F IN GHz)
- 1.5 WORKING VOLTAGE: 325 VRMS MAX AT SEA LEVEL
- 1.6 DIELECTRIC WITHSTANDING VOLTAGE: 325 VRMS MIN AT SEA LEVEL
- 1.7 INSULATION RESISTANCE: 5000 MEGOHM MIN
- 1.8 CONTACT RESISTANCE:
  - 1.8.1 CENTER CONTACT - INITIAL 6.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
  - 1.8.2 OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
- 1.9 RF LEAKAGE: -65 dB TYPICAL AT 3GHz

#### 2. MECHANICAL SPECIFICATIONS:

- 2.1 INTERFACE DESIGN: IN ACCORDANCE WITH MIL-STD-348A, SERIES SMPM
- 2.2 ENGAGEMENT FORCE: FULL DETENT(FD) 4.5LBS TYPICAL; SMOOTH BORE(SB) 2.5LBS TYPICAL
- 2.3 DISENGAGEMENT FORCE: FD 6.5LBS TYPICAL; SB 1.5LBS TYPICAL
- 2.4 CONTACT RETENTION: 1.5 LBS MIN AXIAL FORCE
- 2.5 DURABILITY: FD 100 CYCLES MIN; SB 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
- 3.3 MECHANICAL SHOCK: MIL-STD-202, METHOD 213, CONDITION I
- 3.4 CORROSION: MIL-STD-202, METHOD 101
- 3.5 VIBRATION: MIL-STD-202, METHOD 204
- 3.6 MOISTURE: MIL-STD-202, METHOD 106, EXCEPT STEP 7B



SCALE 4:1

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	RoHS	<input checked="" type="checkbox"/>	
	Cage Code		
	3RD ANGLE PROJECTION		
	UNLESS OTHERWISE SPECIFIED UNITS: INCH		
	Drawn by:	ROMAN.YAO	
	INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5-2009.		
	Date:	08/07/2019	
	Size:	B	
	DO NOT SCALE DRAWING		
	Workmanship Std:	NONE	
	Sheet:	1 OF 1	