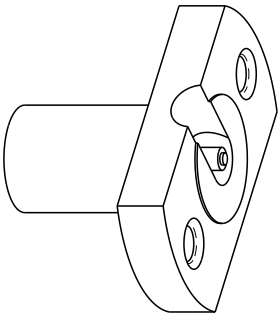
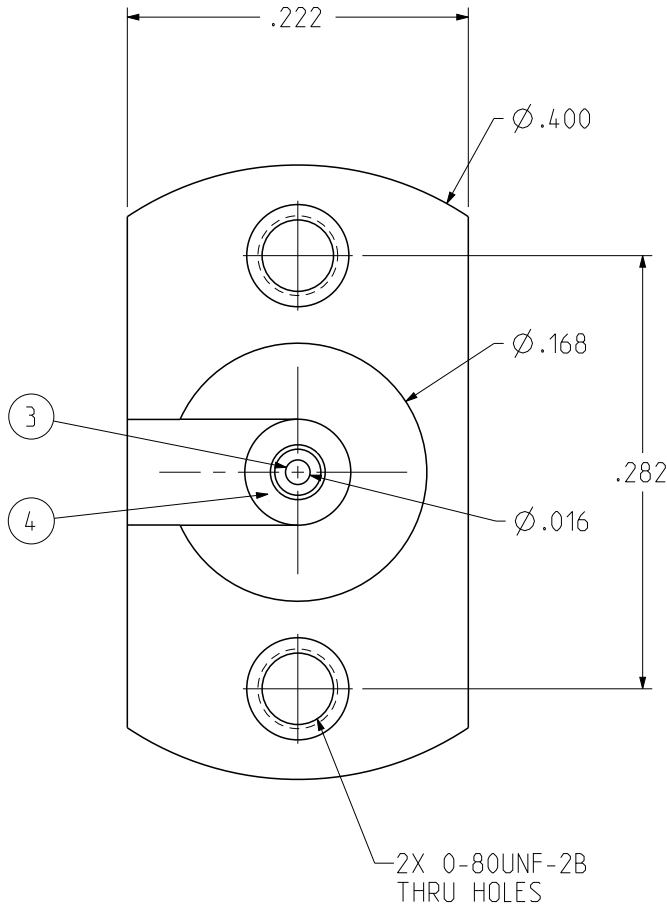
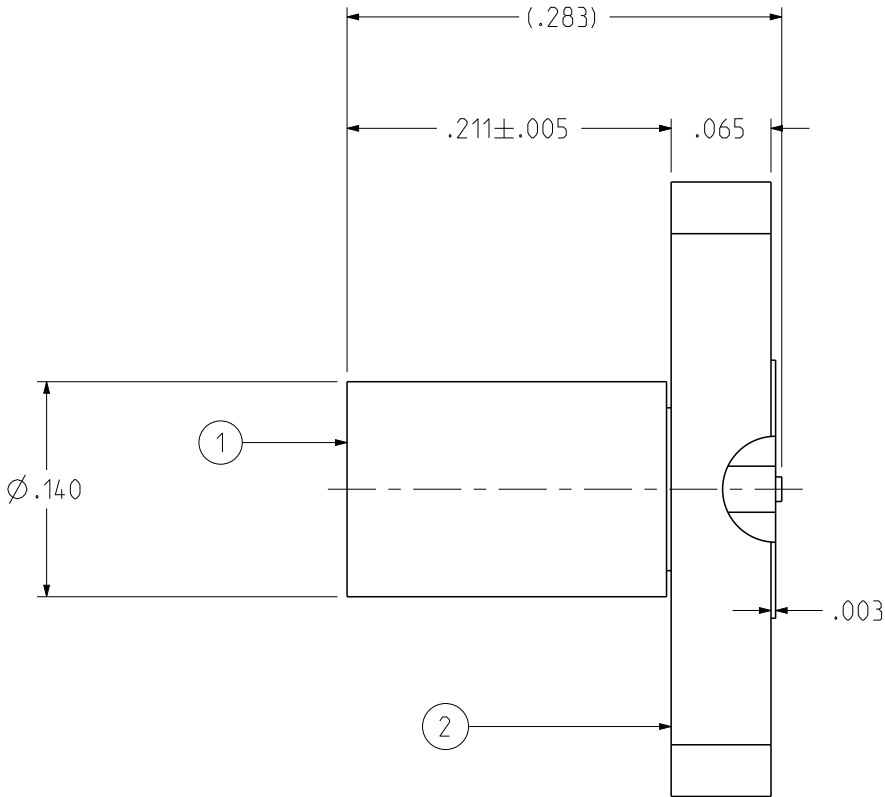


| PART NUMBER  | ITEM ①<br>BODY                                                                                   | ITEM ②<br>REAR BODY                                                                   | ITEM ③<br>CONTACT                                                                                | ITEM ④<br>INSULATOR |
|--------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------|
| 125-0701-251 | BERYLLIUM COPPER<br>GOLD PL .00005 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | BRASS<br>GOLD PL .00003 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | BERYLLIUM COPPER<br>GOLD PL .00005 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | TEFLON              |

| REV | ECO             | DATE      |
|-----|-----------------|-----------|
| 1   | INITIAL RELEASE | 07AUG2019 |
| 2   | EC-1911009      | 10APR2020 |
| 3   | EC-2004015      | 14APR2020 |
| 4   | EC-2009007      | 16SEP2020 |



SCALE 4:1

- 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 - INTIAL 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

|                                                                                                                                                                                                                                                                                                                                             |                                                                                                      |                                                           |                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------------|
| <br><small>This PROPRIETARY Document is property of Cinch Connectivity Solutions. It is confidential in nature, non-transferable, and issued with the clear understanding that it is not traced or copied without permission and is returnable upon demand.</small><br><small>INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5-2009.</small> | Model No:<br><b>125-0701-251/260</b>                                                                 | JOHNSON                                                   |                                                                                        |
|                                                                                                                                                                                                                                                                                                                                             | RoHS <input checked="" type="checkbox"/><br>(EU)/2015/863 COMPLIANT                                  | Cage Code                                                 | Title:<br>SMPM MALE, VERTICAL LAUNCH SOLDERLESS PCB COMPRESSION MOUNT, MICROSTRIP TYPE |
|                                                                                                                                                                                                                                                                                                                                             | UNLESS OTHERWISE SPECIFIED<br>UNITS: INCH<br>.XX ± .01<br>.XXX ± .003<br>.XXXX ± .0010<br>ANGLE ± 2° | 3RD ANGLE PROJECTION<br><br>Drawn by:<br><b>ROMAN.YAO</b> | Drawing No.<br><b>125-0701-251/260</b>                                                 |
|                                                                                                                                                                                                                                                                                                                                             | Date:<br><b>08/07/2019</b>                                                                           | Size<br><b>B</b>                                          | DO NOT SCALE DRAWING<br>Workmanship Std: Sheet<br><b>NONE</b><br>1 OF 1                |