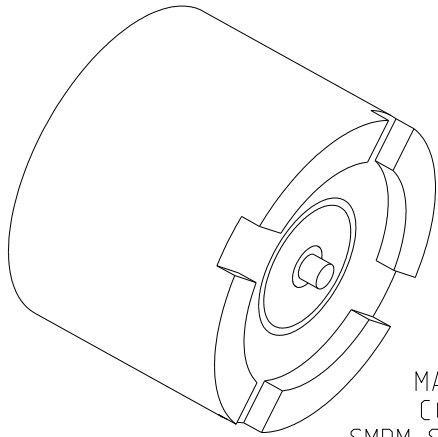
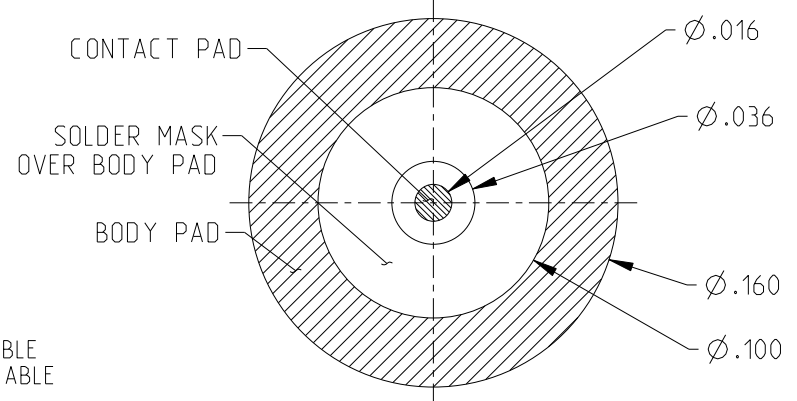
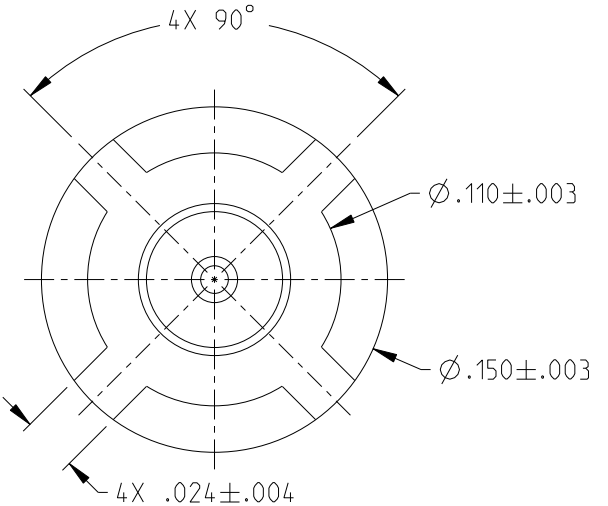
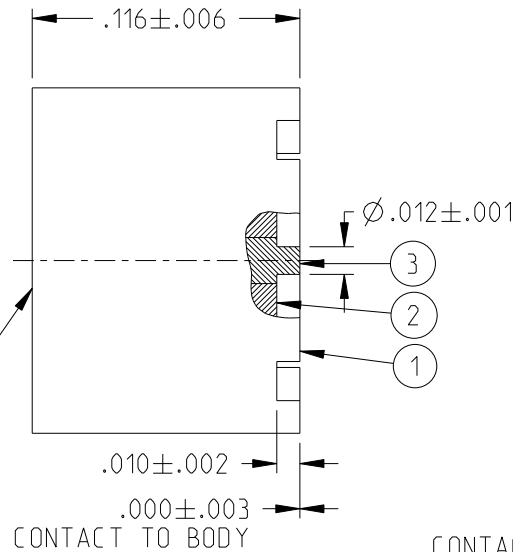


PART NUMBER	ITEM 1 BODY	ITEM 2 INSULATOR	ITEM 3 CONTACT
125-2701-221	BERYLLIUM COPPER GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER	TEFLON	BERYLLIUM COPPER GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER

REV	ECO	DATE
1	57134	11/02/2018
2	EC-1912002	12/03/2019
3	EC-2511011	11/26/2025



MATING INTERFACE
COMPATIBLE WITH
SMPM SMOOTH BORE PER
MIL-STD-348, CONTACT
LOCATION PER FIGURE 328-3.



RECOMMENDED PCB LAYOUT

NOTE: THIS PATTERN IS FOR REFERENCE ONLY.
PATTERN MAY VARY DEPENDING ON ASSEMBLY
PROCESS, BOARD TYPE, OR SPECIFIC ELECTRICAL OR
MECHANICAL REQUIREMENTS.

SPECIFICATION:

1. ELECTRICAL SPECIFICATIONS:

- 1.1 FREQUENCY RANGE: 0-26.5 GHz
- 1.2 IMPEDANCE: 50 OHMS
- 1.3 VSWR: 1.50 MAX TO 26.5 GHz
- 1.4 INSERTION LOSS: 0.12*SQRT(F) dB MAX (F IN GHz)
- 1.5 WORKING VOLTAGE (MAX): 325 VRMS AT SEA LEVEL
- 1.6 DIELECTRIC WITHSTANDING VOLTAGE (MIN): 325 VRMS AT SEAL LEVEL
- 1.7 INSULATION RESISTANCE (MIN): 5000 MEGOHMS
- 1.8 CONTACT RESISTANCE:
 - 1.8.1 CENTER CONTACT: INITIAL 6 MILLIOHMS MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
 - 1.8.2 OUTER CONDUCTOR: INITIAL 2 MILLIOHMS MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
- 1.9 RF LEAKAGE: NOT APPLICABLE

2. MECHANICAL SPECIFICATIONS:

- 2.1 ENGAGEMENT FORCE: 2.5 LBS TYPICAL
- 2.2 DISENGAGEMENT FORCE: 1.5 LBS TYPICAL
- 2.3 CONTACT RETENTION: 1.0 LBS MIN AXIAL FORCE
- 2.4 DURABILITY(MIN): 500 CYCLES

3. ENVIRONMENTAL:

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

<p>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.</p> <p>INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5-2018.</p>	Model No: 125-2701-221	JOHNSON		
	RoHS <input checked="" type="checkbox"/> (EU)/2015/863 COMPLIANT	Cage Code 34078	Title: SMPM MALE, STRAIGHT SURFACE MOUNT, SMOOTH BORE	
	UNLESS OTHERWISE SPECIFIED UNITS: INCH	3RD ANGLE PROJECTION	Drawing No. 125-2701-221/230	REV. 3
	.XX ± .01 .XXX ± .003 .XXXX ± .0010 ANGLE ± 2°	Drawn by: TOMMY REN Date: 12/02/2019	Size A DO NOT SCALE DRAWING	Workmanship Std./Sheet QAD-37007 1 OF 1