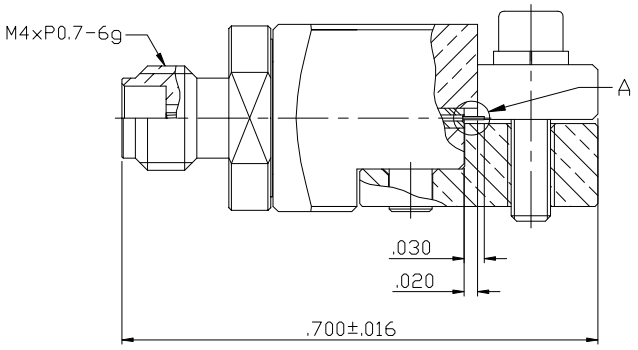
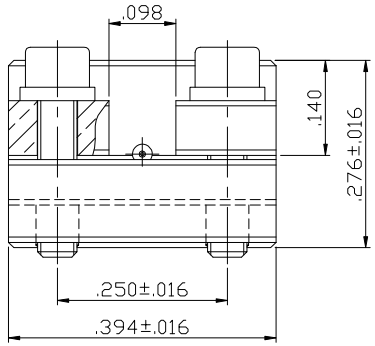
PART NUMBER	PACKAGING
149-0701-801	ONE PIECE PER BAG

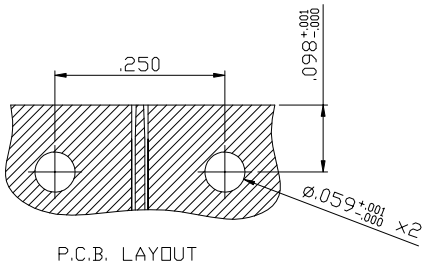
REV	ECO	DATE
2	EC-2005027	20MAY2020
3	–	29JUL2020
4	EC-2007028	05NOV2020

NOTES:

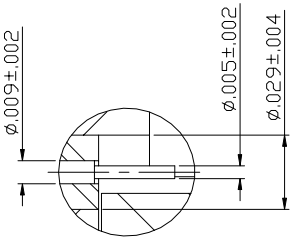
1. MATERIAL AND FINISH:
   - 1.1 MAIN BODY: BERYLLIUM COPPER, GOLD PLATE
   - 1.2 MOUNTING BODY: BRASS, GOLD PLATE
   - 1.3 CONTACT: BERYLLIUM COPPER, GOLD PLATE
   - 1.4 MAIN INSULATOR: ULTEM 1000, AMBER
   - 1.5 MOUNTING INSULATOR: PTFE
   - 1.6 BOLT&WASHERS: STAINLESS STEEL
2. ELECTRICAL SPECIFICATIONS:
   - 2.1 IMPEDANCE: 50 OHMS NOMINAL
   - 2.2 FREQUENCY RANGE: DC~110 GHz
   - 2.3 RETURN LOSS: DC~67 GHz −15 dB MAX.
     67~110 GHz −10 dB MAX.
   - 2.4 INSERTION LOSS: 0.6 dB TYPICAL
   - 2.5 DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS MIN.
   - 2.6 INSULATION RESISTANCE: 5000 MEGOHM MIN.
   - 2.7 CONTACT RESISTANCE:
     - 2.7.1 CENTER CONTACT – 8.0 MILLIOHM MAX.
     - 2.7.2 OUTER CONDUCTOR – 1.0 MILLIOHM MAX.
3. MECHANICAL SPECIFICATIONS:
   - 3.1 INTERFACE STANDARD: IEEE 287 GPC
   - 3.2 MATING TORQUE: 0.35 Nm MAX.
   - 3.3 COUPLING PROOF TORQUE: 0.7 Nm MIN.
   - 3.4 DURABILITY: 500 CYCLES MIN.
4. ENVIRONMENTAL:
   - 4.1 THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B
   - 4.2 OPERATING TEMPERATURE: −65°C TO 165°C
   - 4.3 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106
   - 4.4 MECHANICAL SHOCK: MIL-STD-202, METHOD 213, CONDITION I
   - 4.5 VIBRATION: MIL-STD-202, METHOD 204, CONDITION D



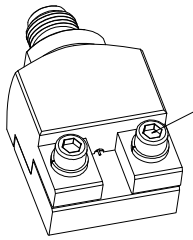




P.C.B. LAYOUT
P.C.B. THICKNESS .047 MAX



A DETAIL (15/1)



cinch CONNECTIVITY SOLUTIONS	Model No: 149-0701-801/810		JOHNSON
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.	RoHS ☑ (EU)/2015/863 COMPLIANT	Cage Code	Title: 1.0MM FEMALE END LAUNCH 110 GHz, SCREW-ON TYPE
INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5-2009.	UNLESS OTHERWISE SPECIFIED UNITS: INCH .XXX ±.008 .XXXX ±.008 ANGLES ±5°	3RD ANGLE PROJECTION	Drawing No. 149-0701-801/810 REV. 4
		Drawn by: Bill Peng	
		Date: 11/05/2020	Size B DO NOT SCALE DRAWING Workmanship Std: NONE Sheet 1 OF 1

Please read our datasheet & drawing disclaimer here.