

PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR	ITEM ④ SCREW
142-0711-281	BRASS GOLD PL .00002 MIN OVER NICKEL PL .00005 MIN OVER COPPER	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER	TEFLON	STAINLESS STEEL L=3/16"

REV	ECO	DATE
1	INITIAL RELEASE	24MAR2023

NOTES:

1. ELECTRICAL SPECIFICATIONS:

- 1.1 IMPEDANCE: 50 OHMS
- 1.2 FREQUENCY RANGE: 0-26.5 GHz
- 1.3 VSWR: 1.50 MAX
- 1.4 WORKING VOLTAGE: 170 VRMS MAX AT SEA LEVEL
- 1.5 DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS MIN AT SEA LEVEL
- 1.6 INSULATION RESISTANCE: 1000 MEGOHM MIN
- 1.7 CONTACT RESISTANCE:
 - 1.7.1 CENTER CONTACT - INTIAL 3.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 4.0 MILLIOHM MAX
 - 1.7.2 OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX
- 1.8 CORONA LEVEL: 125 VOLTS MINIMUM AT 70,000 FEET
- 1.9 RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 335 VRMS MIN AT 4 AND 7 MHZ

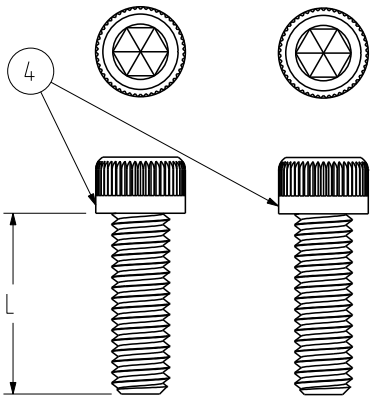
2. MECHANICAL SPECIFICATIONS:

- 2.1 ENGAGE/DISENGAGE TORQUE: 2 IN LBS MAX
- 2.2 MATING TORQUE: 7-10 IN LBS
- 2.3 DURABILITY: 500 CYCLES MIN

3. ENVIRONMENTAL:

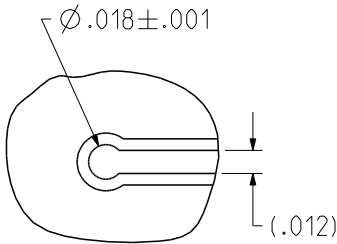
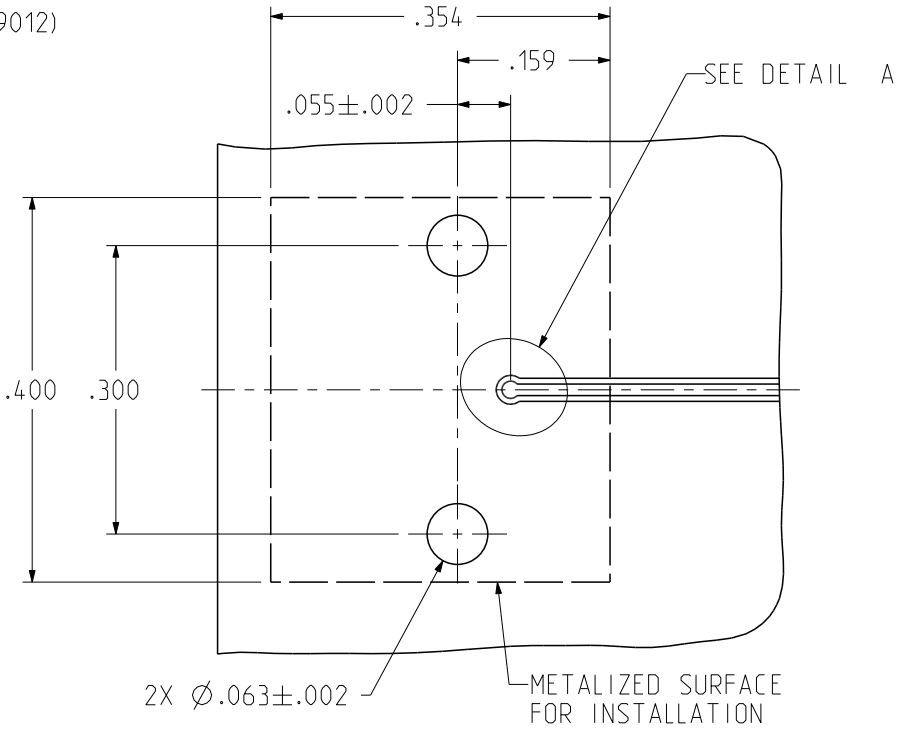
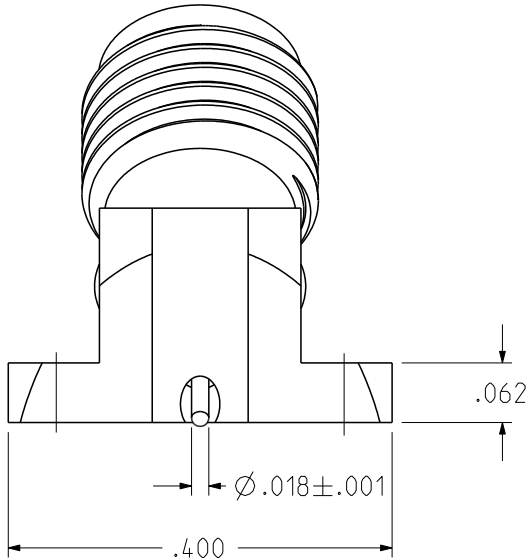
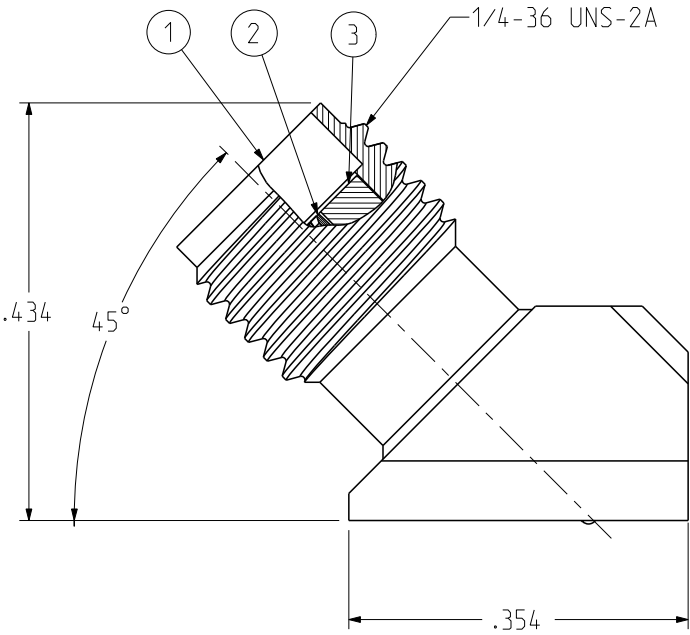
(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-39012)

- 3.1 THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B EXCEPT 115°C HIGH TEMP.
- 3.2 OPERATING TEMPERATURE: -65 °C TO 165 °C
- 3.3 CORROSION: MIL-STD-202, METHOD 101, CONDITION B
- 3.4 SHOCK: MIL-STD-202, METHOD 213, CONDITION I
- 3.5 VIBRATION: MIL-STD-202, METHOD 204, CONDITION D
- 3.6 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106

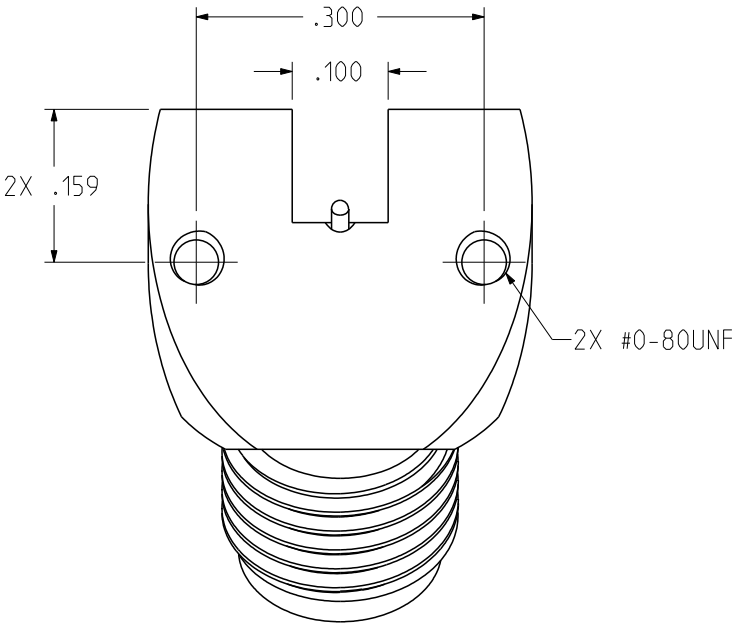


2X #0-80UNF SCREW

RECOMMENDED SCREW DIMENSIONS	
L	PCB THICKNESS
3/16"(4.76mm)	.030"(0.76mm) to .096"(2.44mm)



DETAIL A
SCALE 10:1



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.

 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. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5-2018.	Model No: 142-0711-281/290	Title: JOHNSON	
	RoHS ☒ (EU)/2015/863 COMPLIANT	Cage Code	
	UNLESS OTHERWISE SPECIFIED UNITS: INCH .X ± - .XX ± .005 .XXX ± .005 ANGLE ± 2°	3RD ANGLE PROJECTION Drawn by: TOMMY REN Date: 2023/03/24	Drawing No. 142-0711-281/290 Rev. 1
	Size B	DO NOT SCALE DRAWING	Workmanship Std/Sheet NONE 1 OF 1