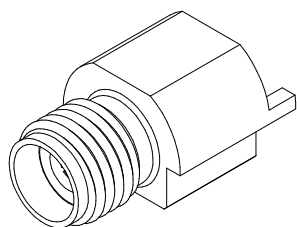
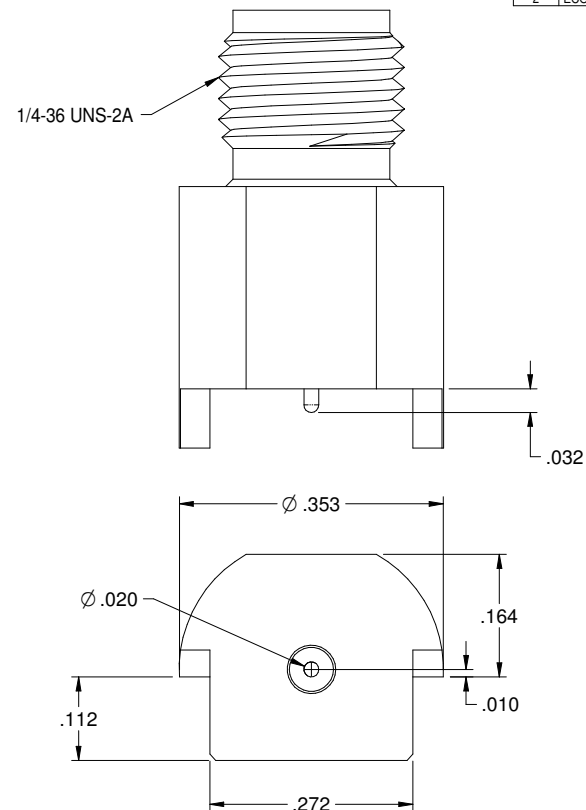
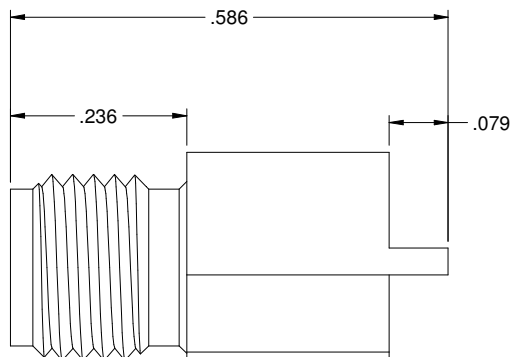


| PART NUMBER  | ITEM ①<br>BODY   | ITEM ②<br>CONTACT   | ITEM ③<br>INSULATOR |
|--------------|--|---|---------------------|
| 145-0701-811 | BRASS<br>GOLD PL .00003 MIN<br>OVER NICKEL PL.00005<br>MIN OVER COPPER<br>PL.00005 MIN | BERYLLIUM COPPER<br>GOLD PL .00005 MIN<br>OVER NICKEL PL.00005<br>MIN OVER COPPER<br>PL.00005 MIN | TEFLON              |

| REV | ECO         | DATE       |
|-----|-------------|------------|
| 1   | ECO-17-0030 | 10/17/2017 |
| 2   | ECO-18-0002 | 2/2/2018   |



5:1



**SPECIFICATION:**

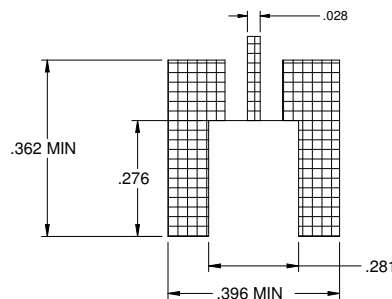
IMPEDANCE: 50 OHMS  
 FREQUENCY RANGE: 0-40 GHz  
 VSWR: 1.5 MAX  
 INSERTION LOSS: 0.05 √F dB MAX (F IN GHz)  
 WORKING VOLTAGE: 250 VRMS MAX AT SEA LEVEL  
 DIELECTRIC WITHSTANDING VOLTAGE: 1000VRMS MIN AT SEA LEVEL  
 INSULATION RESISTANCE: 5000 MEGOHM MIN  
 CONTACT RESISTANCE:  
   CENTER CONTACT - INITIAL 3 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE  
   OUTER CONDUCTOR - INITIAL 2 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE  
 RF LEAKAGE: -90dB TYPICAL AT 2.5GHz

**MECHANICAL:**

ENGAGEMENT/DISENGAGEMENT FORCE: 2 INCH-POUNDS MAX  
 CONTACT RETENTION: 6 LBS MIN AXIAL FORCE  
 MATING TORQUE: 7 TO 10 INCH-POUNDS  
 DURABILITY: 500 CYCLES MIN

**ENVIRONMENTAL:**

OPERATING TEMPERATURE: -40 TO 85°C  
 THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B  
 CORROSION: MIL-STD-202, METHOD 101, CONDITION B  
 SHOCK: MIL-STD-202, METHOD 213, CONDITION I  
 VIBRATION: MIL-STD-202, METHOD 204, CONDITION D  
 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106



**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.

|  |   |   |  |
|--|---|---|--|
|  | Revision: SEE NOTE<br>Part No: 145-0701-811 | Model No: 145-0701-811<br>RoHS2<br>2011/65/EU | <b>JOHNSON</b><br>Title: 2.92mm END LAUNCH JACK<br>Drawing No: |
|  | Date:                                       | Scale:  | Rev:   |