

| REV | ECO   | DATE      |
|-----|-------|-----------|
| 2C  | 49167 | 2/2/2004  |
| 2D  | 51843 | 2/24/2009 |
| 02E | 59768 | 6/23/2017 |

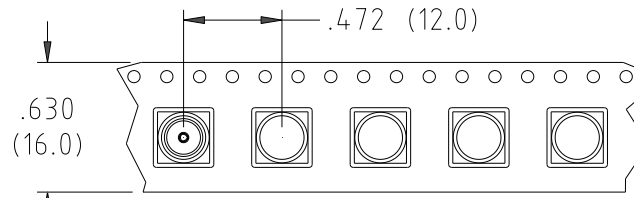
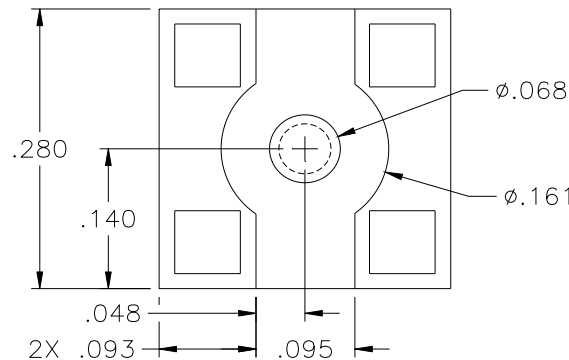
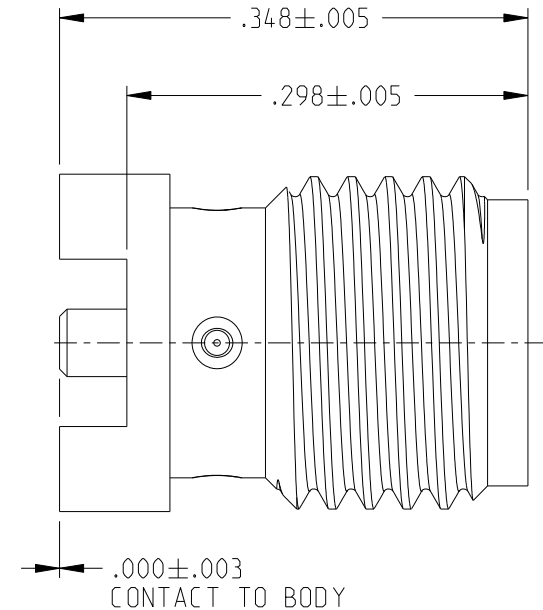
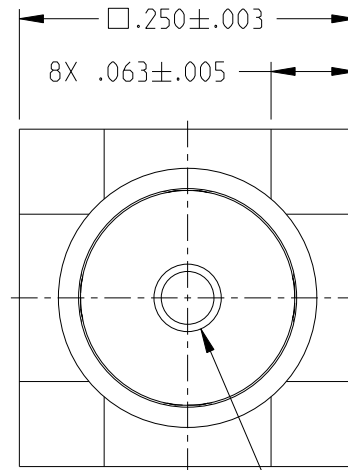


FIG 1



RECOMMENDED LAND  
PATTERN 

NOTES: UNLESS OTHERWISE SPECIFIED.

1. MATERIAL & FINISH:

- 1.1 BODY: GOLD PLATED BRASS
- 1.2 DIELECTRIC: PTFE (TEFLON)
- 1.3 CENTER CONTACT: GOLD PLATED BERYLLIUM COPPER

2. ELECTRICAL:

- 2.1 IMPEDANCE: 50 OHMS
- 2.2 FREQUENCY RANGE: 0-18 GHz
- 2.3 WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
- 2.4 DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
- 2.5 INSULATION RESISTANCE: 5000 MEGOHM MIN
- 2.6 CONTACT RESISTANCE:
  - 2.6.1 CENTER CONTACT: INITIAL 3.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 4.0 MILLIOHM MAX.
  - 2.6.2 OUTER CONDUCTOR: INITIAL 2.0 MILLIOHM MAX
- 2.7 CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET
- 2.8 RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 670 VRMS MIN AT 4 & 7 MHz

3. MECHANICAL:

- 3.1 ENGAGE/DISENGAGE TORQUE: 2 IN-LBS MAX
- 3.2 MATING TORQUE: 7-10 IN-LBS
- 3.3 CONTACT RETENTION: 6 LBS MIN AXIAL FORCE, 4 IN-OZ MIN RADIAL TORQUE
- 3.4 DURABILITY: 500 CYCLES MIN.

4. ENVIRONMENTAL: (MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-39012)

- 4.1 THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B
- 4.2 OPERATING TEMPERATURE: -65°C TO 165°C
- 4.3 CORROSION: MIL-STD-202, METHOD 101, CONDITION B
- 4.4 SHOCK: MIL-STD-202, METHOD 213, CONDITION I
- 4.5 VIBRATION: MIL-STD-202, METHOD 204, CONDITION D
- 4.6 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106.

5. PACKAGE: 500 PCS, TAPE & REEL W/.005 THK COVER TAPE PER FIG 1

 LAND PATTERN FOR REFERENCE ONLY. PATTERN MAY VARY DEPENDING ON ASSEMBLY PROCESS, BOARD TYPE OR SPECIFIC ELECTRICAL OR MECHANICAL REQUIREMENTS.



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INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5-2018

|                            |                                     |                      |                                                                                       |
|----------------------------|-------------------------------------|----------------------|---------------------------------------------------------------------------------------|
| Model No:                  | 142-0711-202                        | JOHNSON              |                                                                                       |
| RoHS2                      | <input checked="" type="checkbox"/> | Cage Code            | 34078                                                                                 |
| 2015/863/EU                |                                     | 3RD ANGLE PROJECTION |  |
| UNLESS OTHERWISE SPECIFIED |                                     | ENGINEER:            | J. KEREKES                                                                            |
| UNITS: INCH                |                                     | Date:                | 6/26/2017                                                                             |
| .XX ±.02                   |                                     | Size                 | A                                                                                     |
| .XXX ±.010                 |                                     | DO NOT SCALE DRAWING | Workmanship Std:                                                                      |
| ANGLES ±2°                 |                                     | Sheet                | 1 OF 1                                                                                |
|                            |                                     | Drawing No.          | C_142-0711-202                                                                        |
|                            |                                     | REV.                 | 02E                                                                                   |