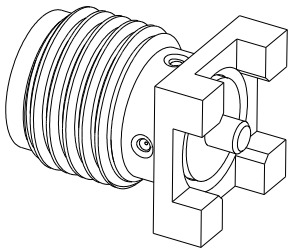


REV	ECO	DATE
2C	49167	2/2/2004
2D	51843	2/24/2009
02E	59768	6/23/2017

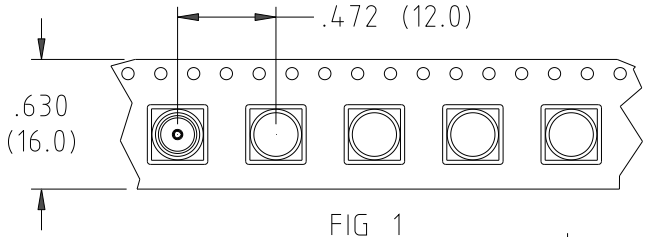
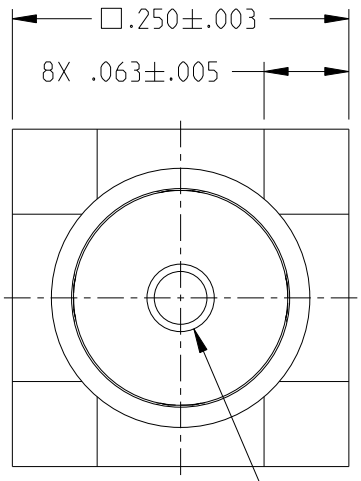
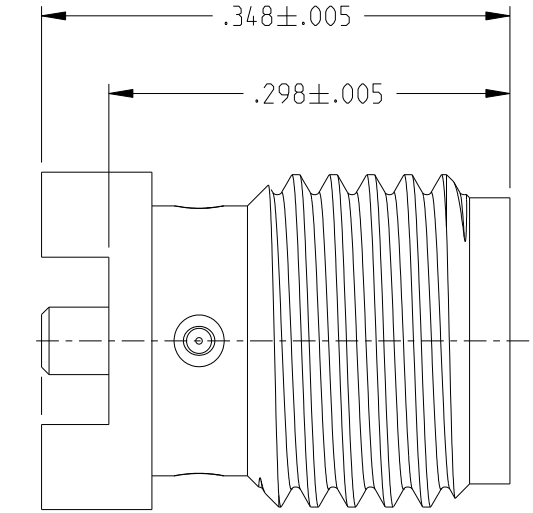


FIG 1





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

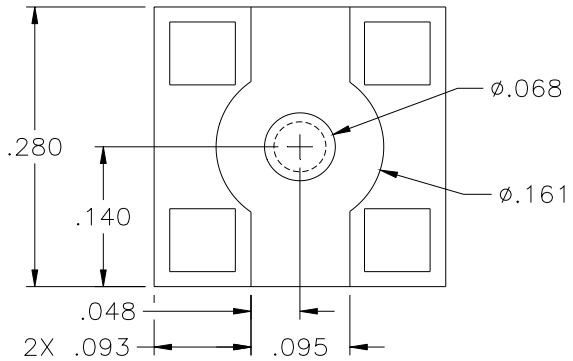
2. ELECTRICAL:
   2.1 IMPEDANCE: 50 OHMS
   2.2 FREQUENCY RANGE: 0-18 GHz
   2.3 WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
   2.4 DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
   2.5 INSULATION RESISTANCE: 5000 MEGOHM MIN
   2.6 CONTACT RESISTANCE:
      2.6.1 CENTER CONTACT: INITIAL 3.0 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 DURABLITY: 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

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



RECOMMENDED LAND PATTERN 6

cinch CONNECTIVITY SOLUTIONS a bel group

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INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5-2018

Model No: 142-0711-202

RoHS2 ☑ 2015/863/EU

Cage Code 34078

3RD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED UNITS: INCH
.XX ±.02
.XXX ±.010
ANGLES ±2°

ENGINEER: J. KEREKES

Date: 6/26/2017

JOHNSON

Title: JACK ASSEMBLY, STRAIGHT PC SURFACE MOUNT SMA

Drawing No. C_142-0711-202

REV. 02E

Size A | DO NOT SCALE DRAWING | Workmanship Std: | Sheet 1 OF 1

Please read our datasheet & drawing disclaimer here.