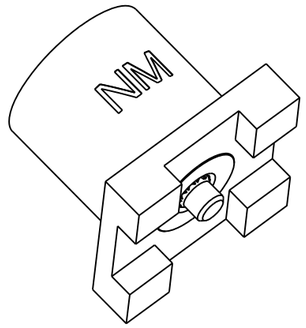


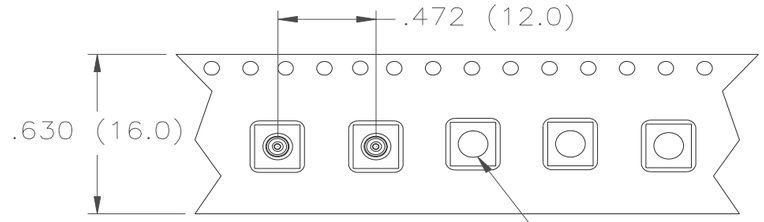
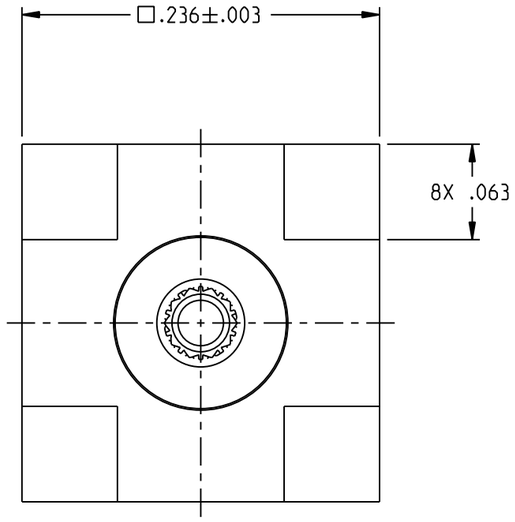
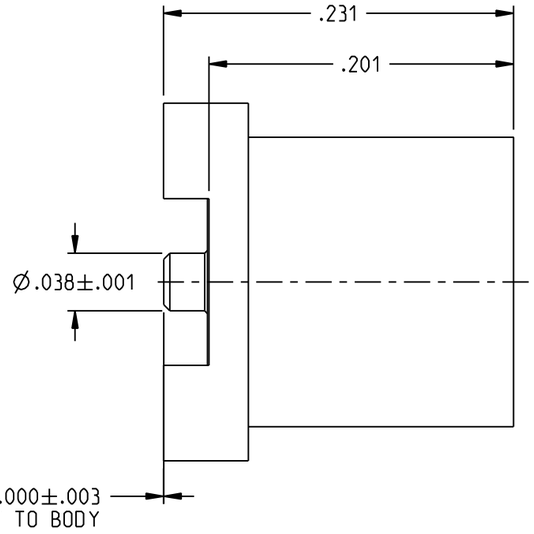


FIG 1





NOTES: UNLESS OTHERWISE SPECIFIED.

1. MATERIAL & FINISH:
   1.1 BODY: (133-9711-201 & -202) GOLD PLATED COPPER ALLOY
   (133-9711-204 & 205) SILVER PLATED COPPER ALLOY
   1.3 INSULATOR: PTFE (TEFLON)
   1.4 CENTER CONTACT: (133-9711-201 & -202) GOLD PLATED BERYLLIUM COPPER
   (133-9711-204 & 205) SILVER PLATED BERYLLIUM COPPER

2. ELECTRICAL SPECIFICATIONS:
   2.1 IMPEDANCE: 50 OHMS
   2.2 FREQUENCY RANGE: 0 - 6 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: 1000 MEGOHM MIN
   2.6 CONTACT RESISTANCE:
   CENTER CONTACT - INITIAL 5 MILLIOHM MAX, AFTER ENVIRONMENTAL 8 MILLIOHM MAX
   OUTER CONDUCTOR - INITIAL 1 MILLIOHM MAX, AFTER ENVIRONMENTAL 1.5 MILLIOHM MAX
   2.7 CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET
   2.8 RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 600 VRMS AT 4 AND 7 MHz

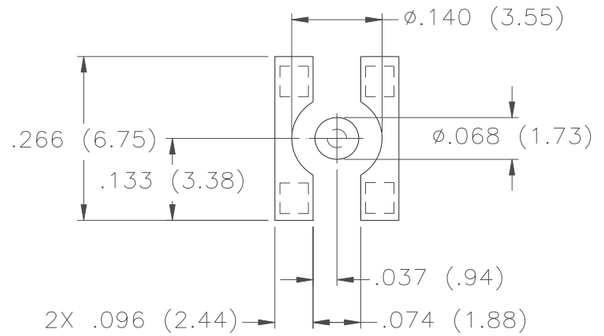
3. MECHANICAL SPECIFICATIONS:
   3.1 ENGAGE/DISENGAGE FORCE: 5.6 LBS MAX ENGAGEMENT
   1.0/8.0 LBS MIN/MAX DISENGAGEMENT
   3.2 CONTACT RETENTION FORCE: 2.0 LBS MIN
   3.3 DURABILITY: 500 CYCLES MIN

4. ENVIRONMENTAL:
   4.1 (MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-39012)
   4.2 THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION F
   4.3 OPERATING TEMPERATURE: -65 DEG C TO 165 DEG C
   4.4 CORROSION: MIL-STD-202, METHOD 101, CONDITION B
   4.5 SHOCK: MIL-STD-202, METHOD 213, CONDITION B
   4.6 VIBRATION: MIL STD-202, METHOD 204 CONDITION B
   4.7 MOISTURE : MIL STD-202, METHOD 106

5. PACKAGING:
   5.1 133-9711-201 & -204: BAGGED
   5.2 133-9711-202 & -205: TAPE AND REEL PACKAGED, 750 PIECES PER REEL, 16MM X 12MM PITCH TAPE WITH COVER TAPE DOT PER FIG. 1.

6. CONNECTOR MARKED "NM" FOR NON-MAGNETIC.

RECOMMENDED SOLDER LAND PATTERN*



*NOTE: THIS PATTERN IS 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 Y14.5-2009.

3RD ANGLE PROJECTION

RoHS2 2011/65/EU

UNLESS OTHERWISE SPECIFIED UNITS: INCH
.XX ±.02
.XXX ±.005
ANGLES ±2°

JOHNSON

Title: JACK ASSY STRAIGHT SURFACE MOUNT NON-MAGNETIC, MCX

Model No. 133-9711-201/210

Size B | DO NOT SCALE DRAWING | Date: 7/29/2016 | Sheet 1 OF 1

Please read our datasheet & drawing disclaimer here.