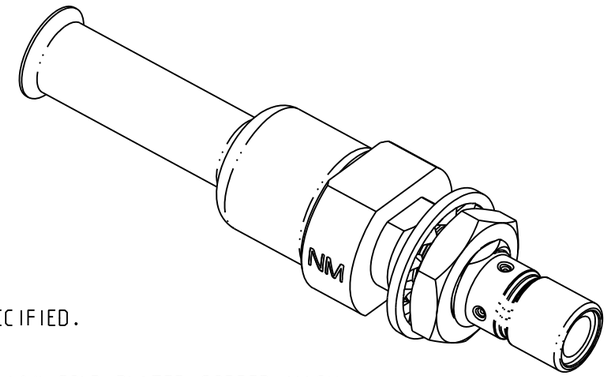


NOTES: UNLESS OTHERWISE SPECIFIED.

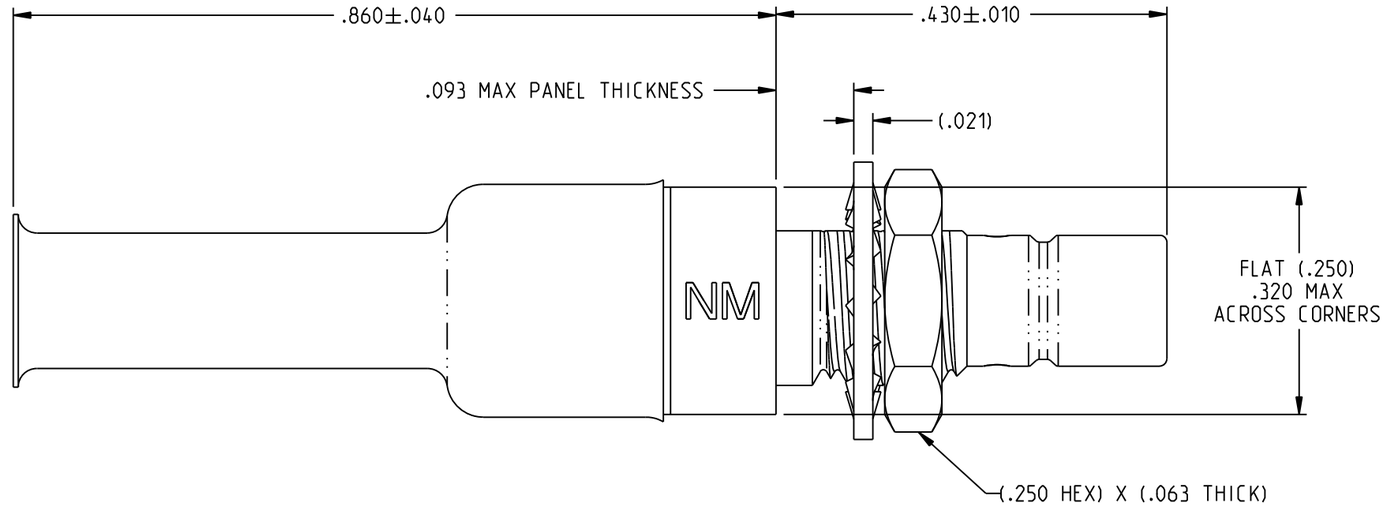
1. MATERIAL & FINISH:
   1.1 BODY & NUT: (131-9303-401) GOLD PLATED COPPER ALLOY
   (131-9303-404) SILVER PLATED COPPER ALLOY
   1.2 CRIMP SLEEVE: (131-9303-401) GOLD PLATED COPPER
   (131-9303-404) SILVER PLATED COPPER
   1.3 INSULATOR: PTFE (TEFLON)
   1.4 CENTER CONTACT:
   (131-9303-401) GOLD PLATED COPPER ALLOY
   (131-9303-404) SILVER PLATED COPPER ALLOY
   1.5 LOCK WASHER: (131-9303-401) GOLD PLATED PHOSPHOR BRONZE
   (131-9303-404) SILVER PLATED PHOSPHOR BRONZE

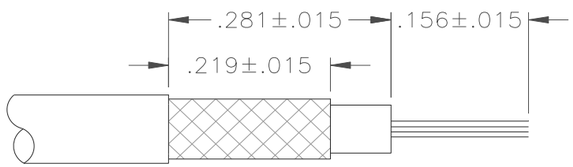
2. ELECTRICAL SPECIFICATIONS:
   2.1 IMPEDANCE: 50 OHMS
   2.2 FREQUENCY RANGE: 0 - 4 GHz
   2.3 VSWR: 1.25±.04 F (F IN GHz) (50 OHM CABLE ONLY)
   2.4 WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
   2.5 DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
   2.6 INSULATION RESISTANCE: 1000 MEGOHM MIN
   2.7 CONTACT RESISTANCE:
   CENTER CONTACT - INITIAL 6 MILLIOHM MAX, AFTER
   ENVIRONMENTAL 8 MILLIOHM MAX
   OUTER CONDUCTOR - INITIAL 1 MILLIOHM MAX, AFTER
   ENVIRONMENTAL 1.5 MILLIOHM MAX
   BRAID TO BODY - INITIAL 1 MILLIOHM MAX,
   AFTER ENVIRONMENTAL NOT APPLICABLE
   2.8 CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET
   2.9 INSERTION LOSS: .30 dB MAX AT 1.5 GHz (50 OHM CABLE ONLY)
   2.10 RF LEAKAGE: -55 dB MIN AT 2.5 GHz (50 OHM CABLE ONLY)
   2.11 RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 700 VRMS AT 4 AND 7 MHz

3. MECHANICAL SPECIFICATIONS:
   3.1 ENGAGE/DISENGAGE FORCE: 14 LBS MAX, AFTER DURABILITY 14 LBS MAX
   ENGAGEMENT / 2 LBS MIN DISENGAGEMENT
   3.2 CONTACT RETENTION : 4 LBS MIN AXIAL FORCE
   3.3 CABLE ACCEPTABILITY: RG 188/U, RG 316/U, RG 179/U,
   RG 174/U, RG 161/U, RG 187/U
   3.4 CABLE HEX CRIMP SIZE: 128
   3.5 CONTACT CRIMP TOOL: P/N 141-0000-911
   3.6 CABLE RETENTION: 20 LBS MIN OR CABLE BREAKING STRENGTH
   3.7 DURABILITY: 500 CYCLES MIN

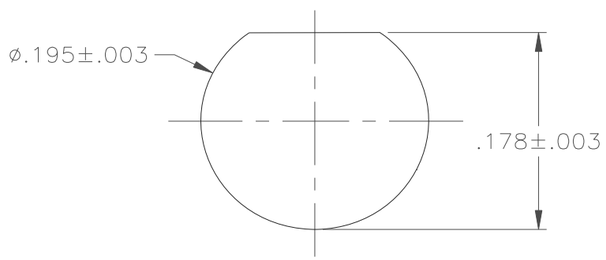
4. ENVIRONMENTAL:
   4.1 (MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-39012)
   4.2 THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B
   4.3 OPERATING TEMPERATURE: -65 DEG C TO 165 DEG C
   4.4 CORROSION: MIL-STD-202, METHOD 101, CONDITION B
   4.5 SHOCK: MIL-STD-202, METHOD 213, CONDITION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

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





CABLE STRIP DIMENSIONS



MOUNTING HOLE LAYOUT

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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 STR CABLED BULKHEAD SMB, RG 316 NON-MAGNETIC MCX

Model No. 131-9303-401/410

Size B | DO NOT SCALE DRAWING | Date: 8/05/2016 | Sheet 1 OF 1

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Global Electronic Components Distributor

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