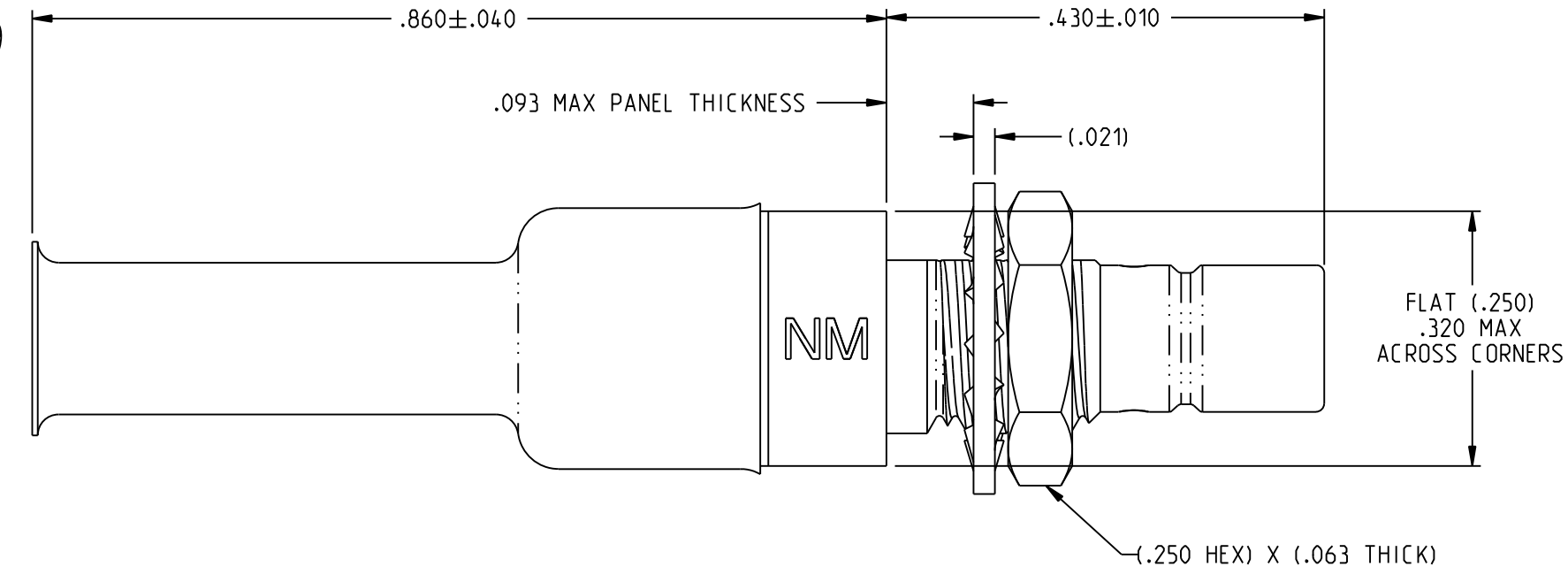
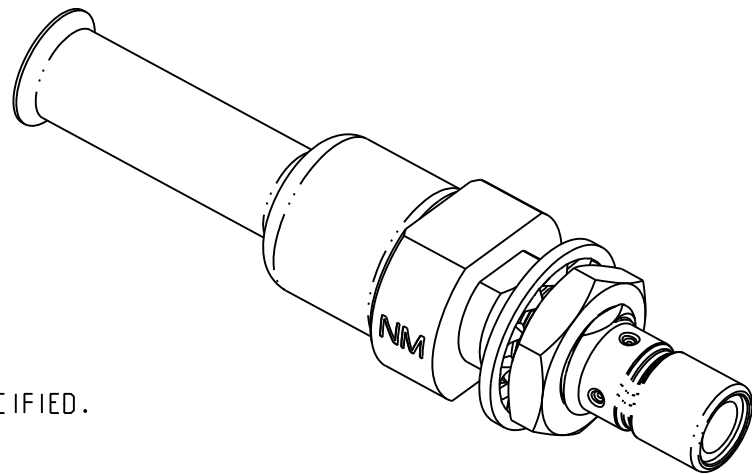
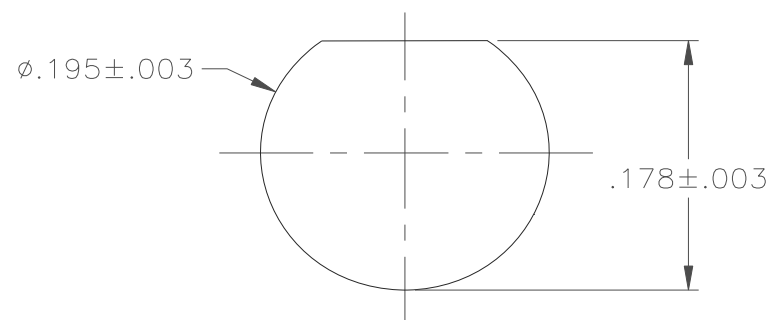


CABLE STRIP DIMENSIONS



MOUNTING HOLE LAYOUT

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: $1.25 \pm .04$ 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.

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	RoHS2 ☒ 2011/65/EU		Title: JACK ASSY STR CABLED BULKHEAD SMB, RG 316 NON-MAGNETIC MCX		
	UNLESS OTHERWISE SPECIFIED UNITS: INCH		Model No. 131-9303-401/410		
	Size B		DO NOT SCALE DRAWING	Date: 8/05/2016	Sheet 1 OF 1