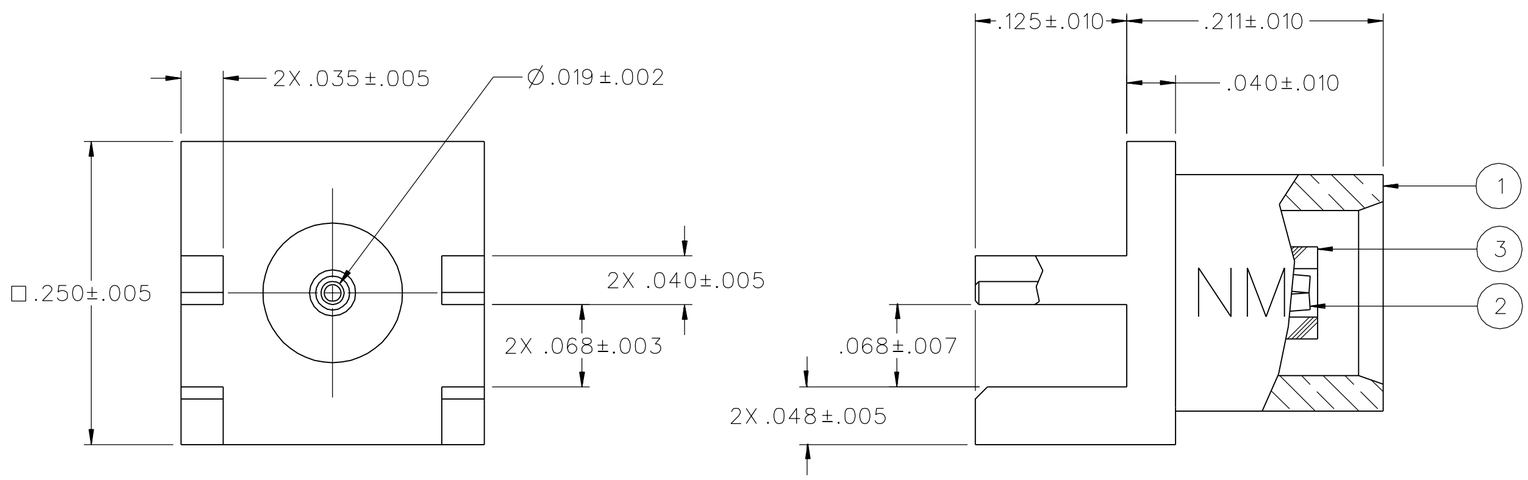
| PART NUMBER | ITEM ① BODY | ITEM ② CONTACT | ITEM ③ INSULATOR |
|---|---|---|---|
| 133-9701-801 | COPPER ALLOY<br>GOLD PL .00005 MIN OVER<br>COPPER PL .00005 MIN | BERYLLIUM COPPER<br>GOLD PL .00005 MIN OVER<br>COPPER PL .00005 MIN | TEFLON |
| 133-9701-804 | COPPER ALLOY<br>SILVER PL .00005 MIN OVER<br>COPPER PL .00005 MIN | BERYLLIUM COPPER<br>SILVER PL .00005 MIN OVER<br>COPPER PL .00005 MIN | TEFLON |




NOTES:

1. SPECIFICATIONS:

   IMPEDANCE: 50 OHMS
   FREQUENCY RANGE: 0-6 GHz
   VSWR: NOT APPLICABLE
   WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
   DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
   INSULATION RESISTANCE: 10000 MEGOHM MIN
   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
      BRAID TO BODY - NOT APPLICABLE
   CORONA LEVEL: 250 VOLTS MINIMUM AT 70,000 FEET
   INSERTION LOSS: NOT APPLICABLE
   RF LEAKAGE: NOT APPLICABLE
   RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 600 VRMS AT 4 AND 7 MHZ

   MECHANICAL:

   ENGAGE/DISENGAGE FORCE: 5.6 LBS MAX ENGAGEMENT
                           1.0 LB MIN DISENGAGEMENT
                           8.0 LBS MAX DISENGAGEMENT
   CONTACT RETENTION FORCE: 2.3 LBS MIN AXIAL FORCE
   CONTACT RETENTION TORQUE: NOT APPLICABLE
   COUPLING MECHANISM RETENTION: NOT APPLICABLE
   CABLE ACCEPTABILITY: NOT APPLICABLE
   CABLE HEX CRIMP SIZE: NOT APPLICABLE
   CABLE RETENTION: NOT APPLICABLE
   DURABILITY: 500 CYCLES MIN

   ENVIRONMENTAL:

   (MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-39012)
   THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION F
   OPERATING TEMPERATURE: -65 DEG C TO 165 DEG C
   CORROSION: MIL-STD-202, METHOD 101, CONDITION B
   SHOCK: MIL-STD-202, METHOD 213, CONDITION B
   VIBRATION: MIL-STD-202, METHOD 204, CONDITION B
   MOISTURE: MIL-STD-202, METHOD 106

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

DRAWING NO. C – 133-9701-801/810

| 0 | REVISIONS | | | | | | |
|---|---|---|---|---|---|---|---|
| ENGINEERING RELEASE | | | | | | | |
| 1 | 7-22-03 | RH | TAK | RJB | | | ECN 48910 |
| COPPER ALLOY WAS COPPER VERSION UPDATE | | | | | | | |
| 2 | 2-21-07 | PAT | JDS | TAK | MJU | | 6-12-07 ECN 19 |

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED PER ASME Y 14.5M - 1994

"μSTATION"

COMPANY CONFIDENTIAL

| TOLERANCE UNLESS OTHERWISE SPECIFIED | | DRAWN BY | DATE |
|---|---|---|---|
| DECIMALS | mm | RSH | 3-27-03 |
| .XX ——— | ——— | CHECKED BY | DATE |
| .XXX ——— | ——— | TAK | 7-29-03 |
| MATL ——— | | APPROVED BY | DATE |
| | | RJB | 7-29-03 |
| FINISH ——— | | RELEASE DATE | 7-29-03 |
| | | U/M INCH | SCALE 10:1 |

cinch CONNECTIVITY SOLUTIONS a bel group

Cinch Connectivity Solutions
P.O. Box 1732
Waseca, MN 56093
1-800-247-8256

TITLE
JACK ASSEMBLY
END LAUNCH
NON-MAGNETIC MCX

SHEET 2 OF 2

DRAWING NO. C – 133-9701-801/810

Please read our datasheet & drawing disclaimer here.