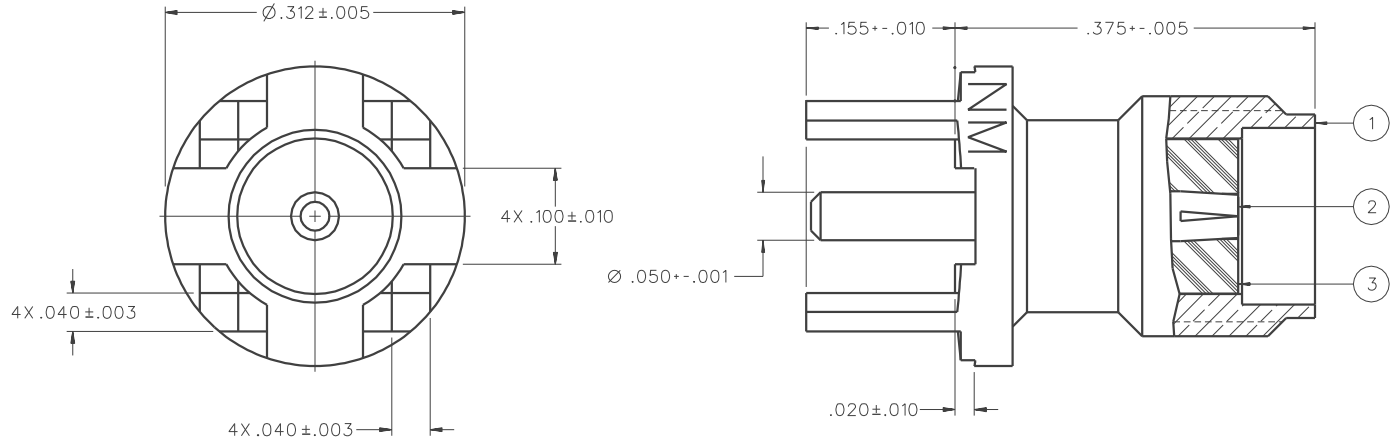
| PART NUMBER | ITEM ① BODY | ITEM ② CONTACT | ITEM ③ INSULATOR |
|---|---|---|---|
| 142-9701-201 | COPPER<br>GOLD PL .00005 MIN OVER<br>COPPER PL .00005 MIN | BERYLLIUM COPPER<br>GOLD PL .00005 MIN OVER<br>COPPER PL .00005 MIN | TEFLON |
| 142-9701-204 | COPPER<br>SILVER PL .00005 MIN OVER<br>COPPER PL .000075 MIN | BERYLLIUM COPPER<br>SILVER PL .00005 MIN OVER<br>COPPER PL .000075 MIN | TEFLON |

DRAWING NO.
C – 142-9701-201/210

| 0 | REVISIONS | | | | | |
|---|---|---|---|---|---|---|
| ENGINEERING RELEASE | | | | | | |
| 1 | 12-27-02 | R H | R J B | | | ECN 48672 |




NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-18 GHz
VSWR: NOT APPLICABLE
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 3.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 4.0 MILLIOHM MAX
OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX AFTER ENVIRONMENTAL NOT APPLICABLE
BRAID TO BODY - NOT APPLICABLE
CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET
INSERTION LOSS: NOT APPLICABLE
RF LEAKAGE: NOT APPLICABLE
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 670 VRMS MIN AT 4 AND 7 MHz

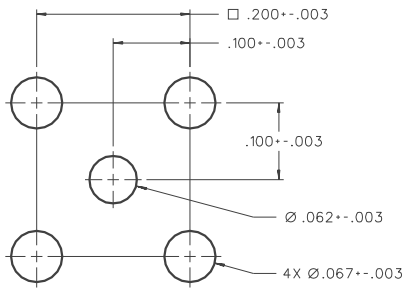
MECHANICAL:

ENGAGE/DISENGAGE TORQUE: 2 INCH-POUNDS MAX
MATING TORQUE: 7-10 INCH POUNDS
COUPLING PROOF TORQUE: NOT APPLICABLE
COUPLING NUT RETENTION: NOT APPLICABLE
CONTACT RETENTION: 6 LBS MIN AXIAL FORCE
4 IN-OZ MIN RADIAL TORQUE
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-C-39012)
THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B
OPERATING TEMPERATURE: -65 DEG C TO 165 DEG C
CORROSION: MIL-STD-202, METHOD 101, CONDITION B
SHOCK: MIL-STD-202, METHOD 213, CONDITION I
VIBRATION: MIL-STD-202, METHOD 204, CONDITION D
MOISTURE RESISTANCE: MIL-STD-202, METHOD 106

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




MOUNTING HOLE LAYOUT
8:1

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED PER ANSI Y 14.5M - 1982

"μSTATION"

COMPANY CONFIDENTIAL

| TOLERANCE UNLESS OTHERWISE SPECIFIED | | DRAWN BY | DATE | JOHNSON a cinch connectivity solutions brand | Cinch Connectivity Solutions 299 Johnson Ave. Ste. 100 Waseca, MN 56093 1-800-247-8256 |
|---|---|---|---|---|---|
| DECIMALS | mm | RJB | 12-5-02 | | |
| .XX | | CHECKED BY | DATE | TITLE | JACK ASSEMBLY, STRAIGHT PC MOUNT NON-MAGNETIC SMA |
| .XXX | | APPROVED BY RJB | DATE 12-27-02 | | |
| MATL | | APPROVED BY | DATE | CODE NO. | DRAWING NO. C – 142-9701-201/210 |
| FINISH | | RELEASE DATE | | SCALE 10:1 | U/M INCH SHEET 2 OF 2 |

Please read our datasheet & drawing disclaimer here.