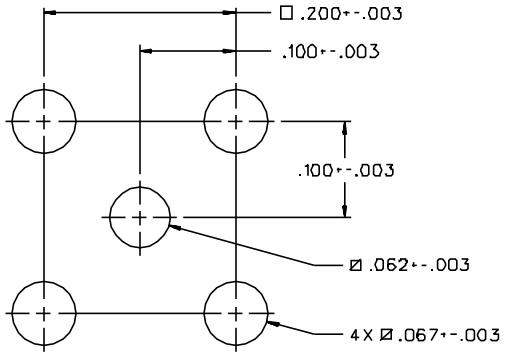
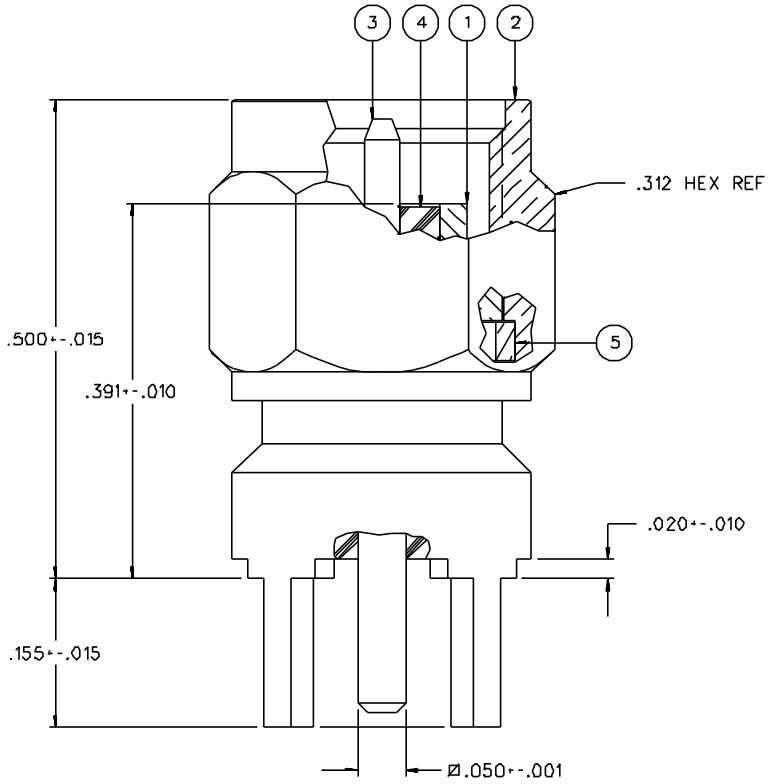
| PART NUMBER | ITEM ① BODY | ITEM ② NUT | ITEM ③ CONTACT | ITEM ④ INSULATOR | ITEM ⑤ RETENTION SPRING |
|---|---|---|---|---|---|
| 142-DB01-201 | BRASS<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | BRASS<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | BRASS<br>GOLD PL .00003 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | TEFLON | BERYLLIUM COPPER |
| 142-DB01-206 | BRASS<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN | BRASS<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN | BRASS<br>GOLD PL .00003 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | TEFLON | BERYLLIUM COPPER |




MOUNTING HOLE LAYOUT




NOTES:

1. SPECIFICATIONS:

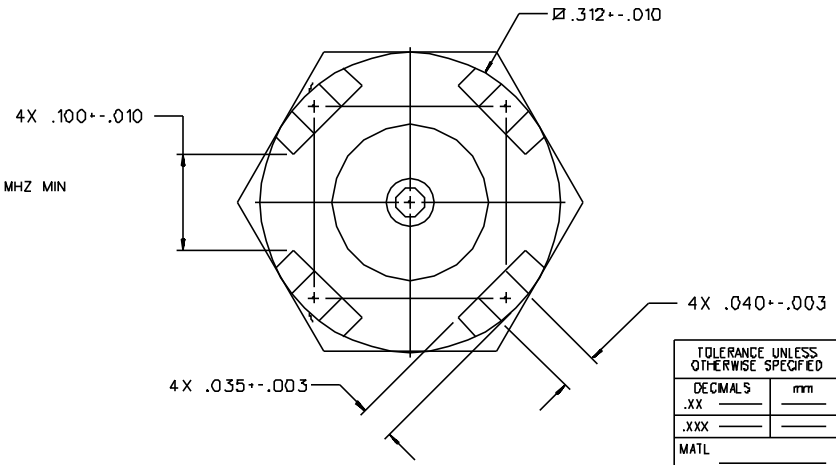
IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-18.0 GHZ
VSWR: NOT APPLICABLE
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 3.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 4.0 MILLIOHM 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 AT 4 AND 7 MHZ MIN

MECHANICAL:

ENGAGE/DISENGAGE TORQUE: 2 INCH-POUNDS MAX
MATING TORQUE: 7-10 INCH POUNDS
COUPLING PROOF TORQUE: 15 INCH-POUNDS
COUPLING NUT RETENTION: 60 LBS MIN
CONTACT RETENTION: 6 LBS MIN AXIAL FORCE
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




DRAWING NO. C - 142-0801-201/210

| | | | | | | |
|---|---|---|---|---|---|---|
| 0 | REVISIONS | | | | | |
| ENGINEERING RELEASE | | | | | | |
| 01 | 09-29-88 | EJ | TAK | RJB | 10-6-88 | ECO 23594 |

CHANGED: RF HIGH POT 4 AND 7 MHZ MIN WAS 5 MHZ MIN

* REVISION NUMBER FOLLOWED BY AN ALPHA * CHARACTER INDICATES DRAWING CLARIFI- * CATION OR PART NUMBER ADDITION ONLY. *

| | | | | | |
|---|---|---|---|---|---|
| 1a | 2-24-94 | RH | | | ECO 42305 |

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

| | | | |
|---|---|---|---|
| TOLERANCE UNLESS OTHERWISE SPECIFIED<br>DECIMALS / mm<br>.XX<br>.XXX<br>MATL<br>FINISH | DRAWN BY EJ | DATE 9-13-88 | JOHNSON Cinch Connectivity Solutions 299 Johnson Ave, Ste. 100 Waseca, MN 56093 1-800-247-8256 |
| | CHECKED BY | DATE | TITLE PLUG ASSEMBLY, STRAIGHT PC MOUNT SMA |
| | APPROVED BY TAK | DATE 9-29-88 | |
| | APPROVED BY | DATE | CODE NO. DRAWING NO. C - 142-0801-201/210 |
| | RELEASE DATE | | SCALE 10:1 U/M INCH SHEET 2 OF 2 |

Please read our datasheet & drawing disclaimer here.