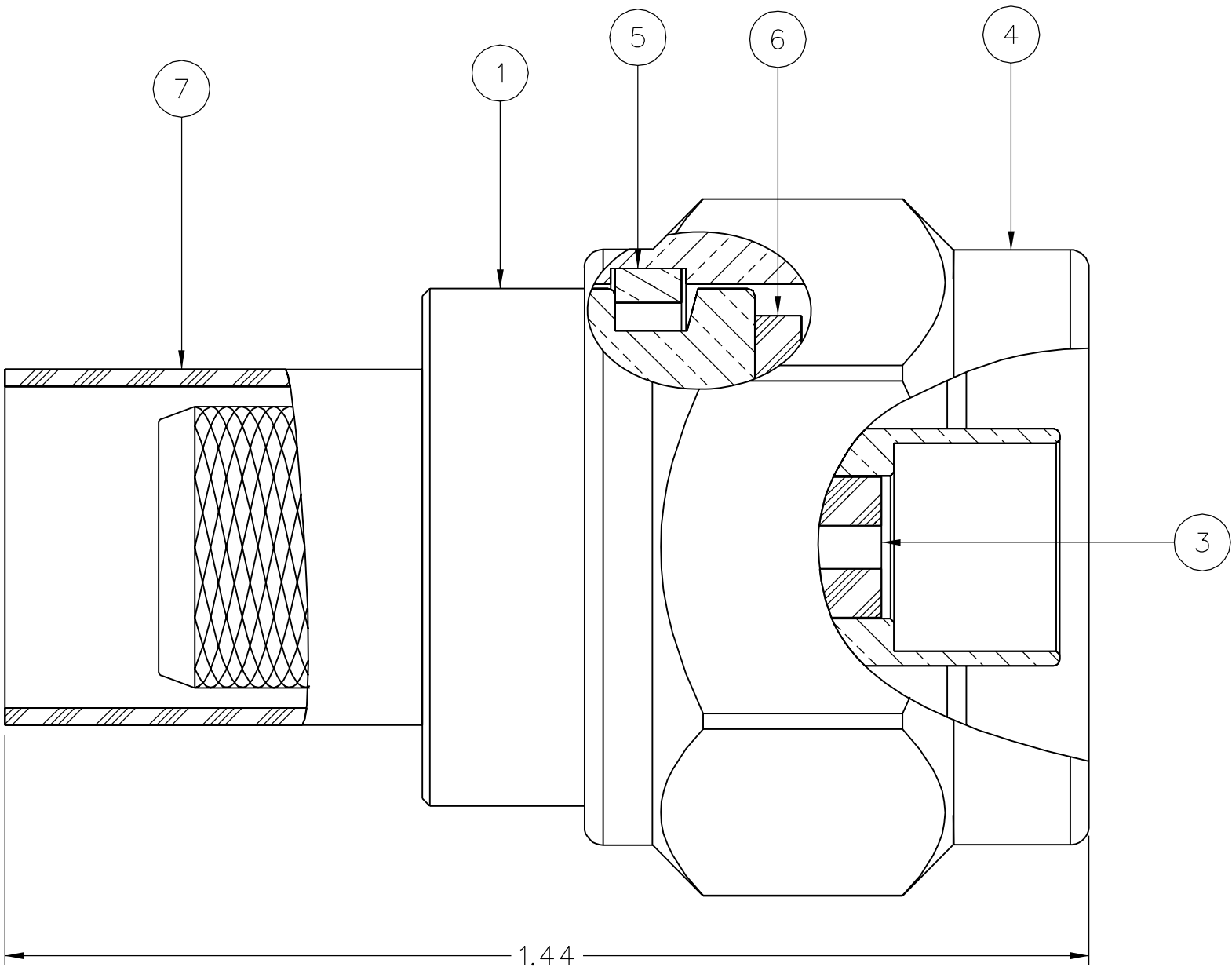
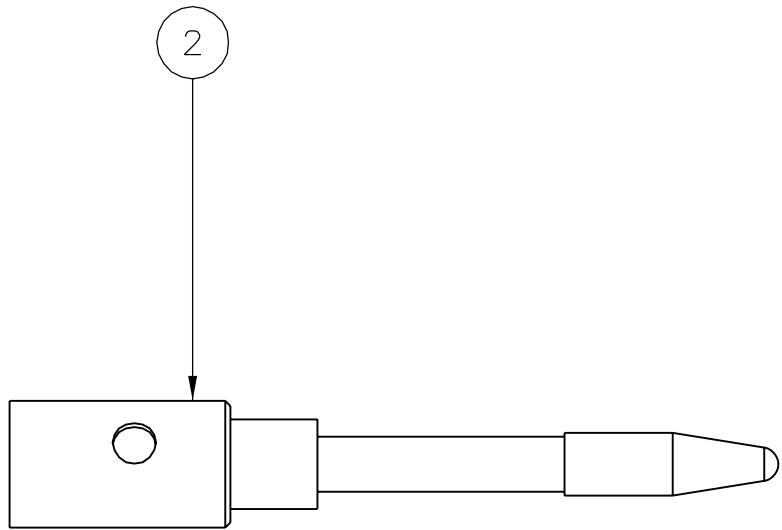
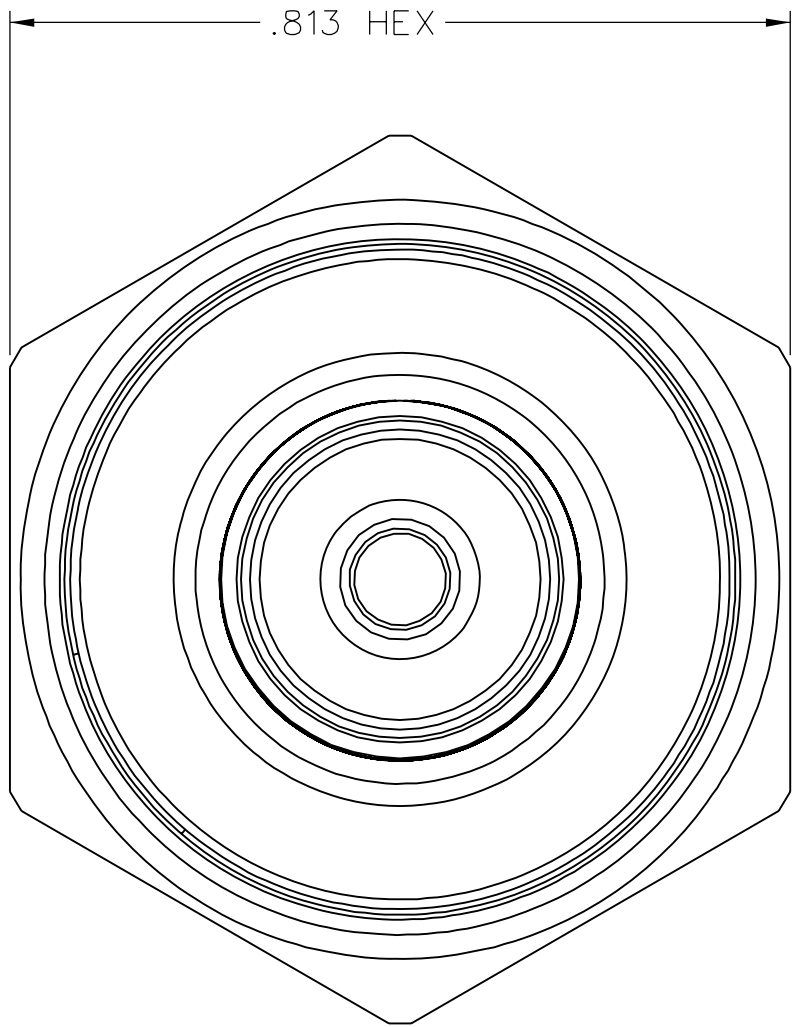


| PART NUMBER  | ITEM ①<br>BODY                                            | ITEM ②<br>CONTACT                                                                     | ITEM ③<br>INSULATOR | ITEM ④<br>COUPLING NUT                                    | ITEM ⑤<br>RETENTION SPRING   | ITEM ⑥<br>SEAL GASKET | ITEM ⑦<br>CRIMP SLEEVE                                     |
|--------------|-----------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------|------------------------------|-----------------------|------------------------------------------------------------|
| 138-4449-006 | BRASS<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN | BRASS<br>GOLD PL .00005 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | TEFLON              | BRASS<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN | BERYLLIUM COPPER<br>UNPLATED | SILICONE<br>RUBBER    | COPPER<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN |
| 138-4449-007 | BRASS<br>TRI-ALLOY PL .0001 MIN                           | BRASS<br>GOLD PL .00005 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | TEFLON              | BRASS<br>TRI-ALLOY PL .0001 MIN                           | BERYLLIUM COPPER<br>UNPLATED | SILICONE<br>RUBBER    | COPPER<br>TRI-ALLOY PL .0001 MIN                           |



NOTES:

1. SPECIFICATIONS:

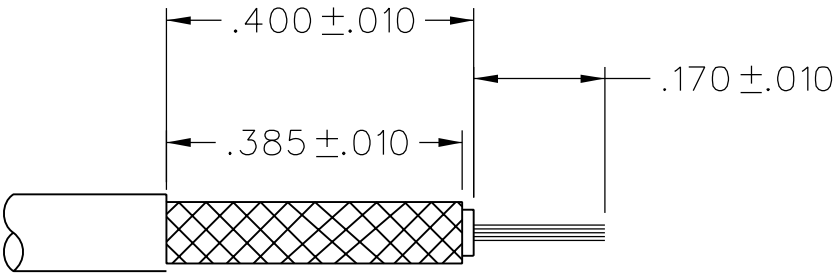
IMPEDANCE: 50 OHMS  
FREQUENCY RANGE: 0-11 GHz  
VSWR: 1.30 MAX AT 0-11 GHz  
WORKING VOLTAGE: 1000 VRMS MAX AT SEA LEVEL  
DIELECTRIC WITHSTANDING VOLTAGE: 2500 VRMS MIN AT SEA LEVEL  
INSULATION RESISTANCE: 5000 MEGOHM MIN  
CONTACT RESISTANCE:  
    CENTER CONTACT - INITIAL 1.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 1.5 MILLIOHM MAX  
    OUTER CONDUCTOR - INITIAL 0.2 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE  
    BODY TO CABLE - 0.05 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE  
CORONA LEVEL: 500 VOLTS MIN AT 70,000 FEET  
INSERTION LOSS: 0.15 dB MAX, TESTED AT 9 GHz  
RF LEAKAGE: -90 dB MIN AT 2 TO 3 GHz  
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 1500 VRMS AT 4 AND 7 MHz  
THIRD ORDER INTERMODULATION PRODUCT (IMP3): TYPICALLY < -90 dBm  
    (TESTED PER IEC GUIDELINES WITH 20W CW INPUTS AT 1930-1990 MHz)

MECHANICAL:

ENGAGE/DISENGAGE TORQUE: 6 IN-LBS MAX  
MATING TORQUE: 7-10 IN-LBS  
COUPLING PROOF TORQUE: 15 IN-LBS MIN  
COUPLING NUT RETENTION: 100 LBS MIN  
CONTACT RETENTION: NOT APPLICABLE  
CABLE ACCEPTABILITY: LMR-400, BELDEN 9913  
CABLE HEX CRIMP SIZE: .429  
CONTACT HEX CRIMP SIZE: .116  
CABLE RETENTION: 90 LBS MIN AXIAL FORCE  
DURABILITY: 500 CYCLES MIN

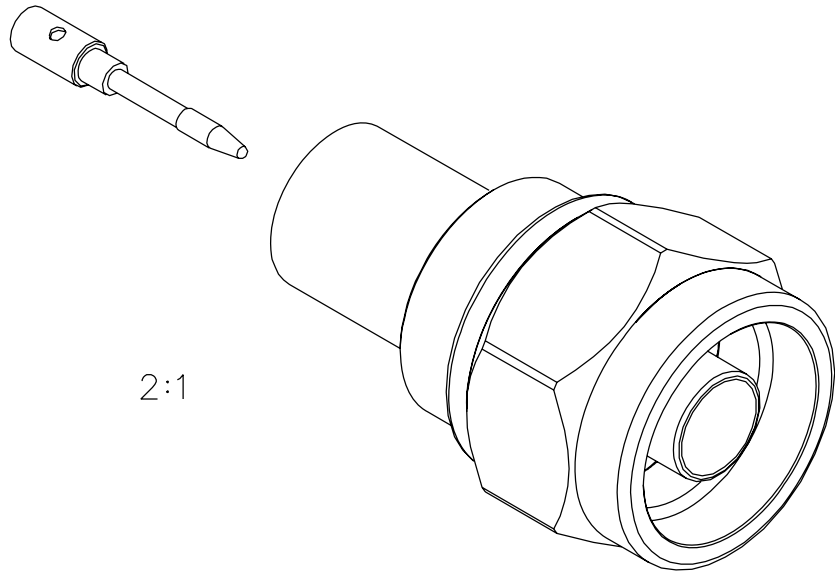
ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-39012)  
THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B, EXCEPT 85°C HIGH TEMP  
OPERATING TEMPERATURE: -65°C TO 165°C  
CORROSION: MIL-STD-202, METHOD 101, CONDITION B  
SHOCK: MIL-STD-202, METHOD 213, CONDITION I  
VIBRATION: MIL-STD-202, METHOD 204, CONDITION B  
MOISTURE RESISTANCE: MIL-STD-202, METHOD 106



CABLE STRIP DIMENSIONS

NOT TO SCALE



|                                      |     |                    |                  |                                                                                                                                             |                                                                                     |                                     |
|--------------------------------------|-----|--------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------|
| TOLERANCE UNLESS OTHERWISE SPECIFIED |     | DRAWN BY<br>PAT    | DATE<br>11-14-05 |  <b>Cinch</b><br>CONNECTIVITY SOLUTIONS<br>a bel group | Cinch Connectivity Solutions<br>P.O. Box 1732<br>Waseca, MN 56093<br>1-800-247-8256 |                                     |
| DECIMALS                             | mm  | CHECKED BY<br>PDW  | DATE<br>4-6-06   |                                                                                                                                             | TITLE<br>STRAIGHT CRIMP PLUG,<br>TYPE N CONNECTOR,<br>LMR-400 CABLED FLEXIBLE       |                                     |
| .XX                                  | REF | APPROVED BY<br>JRK | DATE<br>4-6-06   |                                                                                                                                             | SHEET<br>2 OF 2                                                                     | DRAWING NO.<br>C - 138-4449-001/010 |
| .XXX                                 | REF | RELEASE DATE       | 4-7-06           |                                                                                                                                             |                                                                                     |                                     |
| MATL                                 |     | U/M                | INCH             | SCALE                                                                                                                                       | 5:1                                                                                 |                                     |
| FINISH                               |     |                    |                  |                                                                                                                                             |                                                                                     |                                     |

|                                     |                                                                                             |
|-------------------------------------|---------------------------------------------------------------------------------------------|
| DRAWING NO.<br>C - 138-4449-001/010 |                                                                                             |
| 0                                   | REVISIONS                                                                                   |
| ENGINEERING RELEASE                 |                                                                                             |
| 1                                   | 11-30-05<br>P<br>A<br>T<br>J<br>R<br>K<br>P<br>D<br>W<br>M<br>J<br>U<br>4-7-06<br>ECN 50015 |

CUSTOMER DRAWING

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

"μ STATION"

COMPANY CONFIDENTIAL