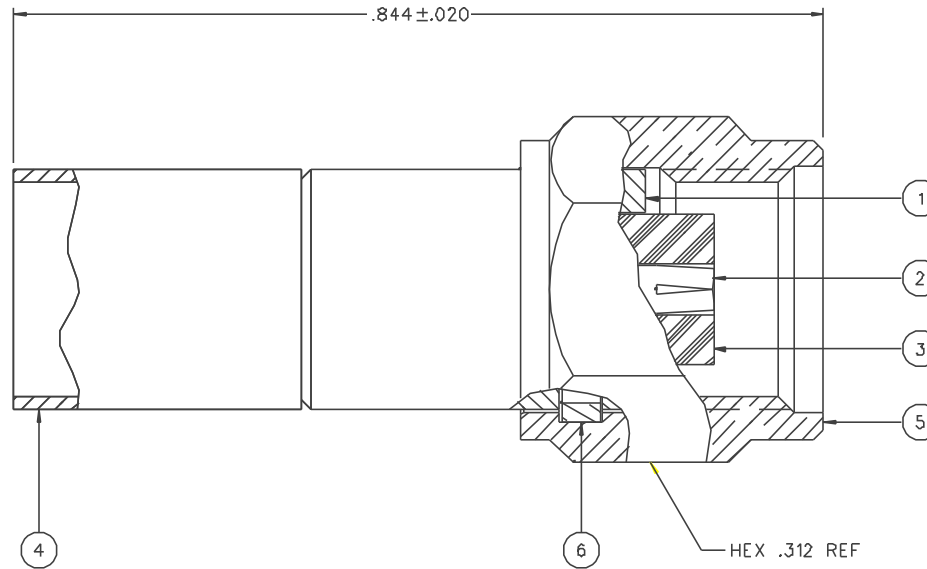


| PART NUMBER  | ITEM ①<br>BODY  | ITEM ②<br>CONTACT  | ITEM ③<br>INSULATOR | ITEM ④<br>CRIMP SLEEVE   | ITEM ⑤<br>COUPLING NUT  | ITEM ⑥<br>RETENTION SPRING   |
|--------------|---|--|---------------------|--|---|------------------------------|
| 142-4439-0D1 | BRASS<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | BERYLLIUM COPPER<br>GOLD PL .00005 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | TEFLON              | COPPER<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 | BERYLLIUM COPPER<br>UNPLATED |
| 142-4439-0D6 | BRASS<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN                             | BERYLLIUM COPPER<br>GOLD PL .00005 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | TEFLON              | COPPER<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN                             | BRASS<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN                             | BERYLLIUM COPPER<br>UNPLATED |

|   |                                    |
|---|------------------------------------|
| DRAWING NO.<br>C - 142-4439-001/010           |                                    |
| 0   | REVISIONS                          |
| ENGINEERING RELEASE                           |                                    |
| 1   | 11-2-99 R H J J 11-16-99 ECN 46732 |
| VERSION UPDATE                                |                                    |
| * REVISION NUMBER FOLLOWED BY AN ALPHA *      |                                    |
| * CHARACTER INDICATES DRAWING CLARIFICATION * |                                    |
| * CANNOT BE PART NUMBER ADDITION ONLY *       |                                    |
| 10  | 5-5-00 R H J J ECN 47117           |



NOTES:

1. SPECIFICATIONS:

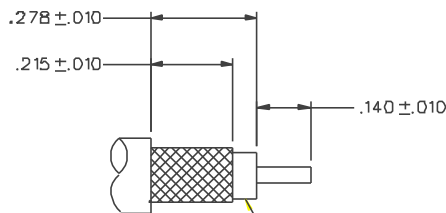
IMPEDANCE: 50 OHMS  
 FREQUENCY RANGE: 0-12.4 GHz  
 VSWR: 1.10-.03 F MAX (F IN GHz)  
 WORKING VOLTAGE: 250 VRMS MAX AT SEA LEVEL  
 DIELECTRIC WITHSTANDING VOLTAGE: 750 VRMS MIN AT SEA LEVEL  
 INSULATION RESISTANCE: 5000 MEGOHM MIN  
 CONTACT RESISTANCE:  
 CENTER CONTACT - INITIAL 3.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 4.0 MILLIOHM MAX  
 OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX AFTER ENVIRONMENTAL NOT APPLICABLE  
 BODY TO CABLE - 0.5 MILLIOHM MAX (GOLD PLATED) 5.0 MILLIOHM MAX (NICKEL PLATED)  
 CORONA LEVEL: 190 VOLTS MIN AT 70,000 FEET  
 INSERTION LOSS: .06 √F MAX (F IN GHz) AT 1GHz  
 RF LEAKAGE: -60 DB MIN AT 2.5 GHz  
 RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 500 VRMS MIN AT 4 AND 7 MHz

MECHANICAL:

ENGAGE/DISENGAGE TORQUE: 2 INCH-POUNDS MAX  
 MATING TORQUE: 7-10 INCH POUNDS  
 COUPLING PROOF TORQUE: 15 INCH-POUNDS MIN  
 COUPLING NUT RETENTION: 60 LBS MIN  
 CONTACT RETENTION: 6 LBS MIN AXIAL FORCE  
 CABLE ACCEPTABILITY: LMR-200 (TIMES MICROWAVE), HPF-200 (HARBOR INDUSTRIES), RF-200, 7807A (BELDEN), M17/220-DD01  
 CABLE HEX CRIMP SIZE: .213  
 CABLE RETENTION: 30 LBS MIN AXIAL FORCE  
 DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-C-39012)  
 THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B, EXCEPT B5° C HIGH TEMP  
 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: ML-STD-202, METHOD 204, CONDITION D  
 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106



CABLE STRIP DIMENSIONS


4:1

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

|                                      |                    |                 |  |                                     |
|--------------------------------------|--------------------|-----------------|--|-------------------------------------|
| TOLERANCE UNLESS OTHERWISE SPECIFIED | DRAWN BY<br>JRK    | DATE<br>9-13-99 | <br>Cinch Connectivity Solutions<br>299 Johnson Ave. Ste. 100<br>Waukegan, MN 56093<br>1-800-247-8256 |                                     |
| DECIMALS<br>.XX                      | CHECKED BY<br>JRK  | DATE<br>11-2-99 | TITLE<br>SMA PLUG ASSEMBLY,<br>REVERSE POLARITY,<br>STRAIGHT CABLED, LMR-200   |                                     |
| .XXX ± .003                          | APPROVED BY<br>TAK | DATE<br>11-5-99 | CODE NO.   | DRAWING NO.<br>C - 142-4439-001/010 |
| MATL                                 | APPROVED BY<br>RJB | DATE<br>11-8-99 | SCALE  | SHEET 2 OF 2                        |
| FINISH                               | RELEASE DATE       | 11-16-99        | 10:1   | U/M INCH                            |