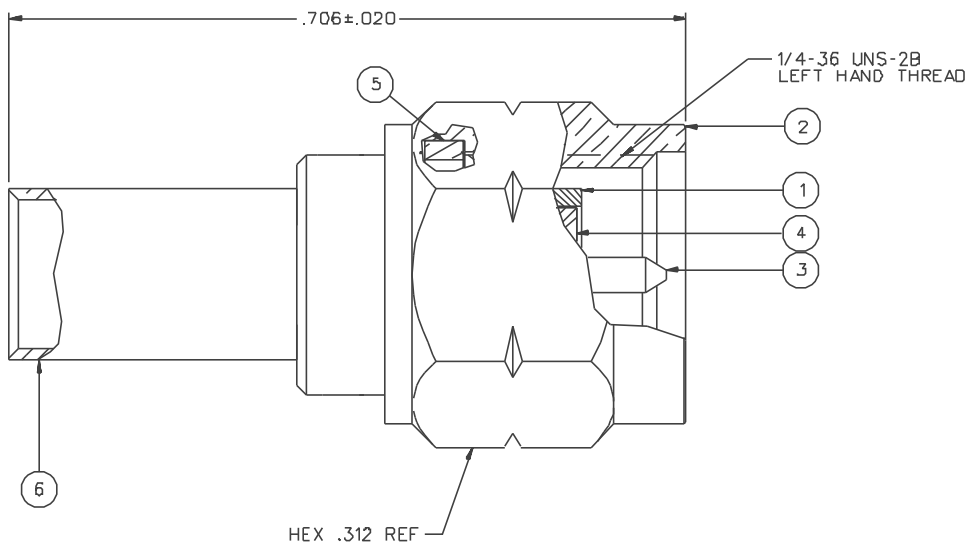


| PART NUMBER | ITEM ① BODY | ITEM ② NUT | ITEM ③ CONTACT | ITEM ④ INSULATOR | ITEM ⑤ RETENTION SPRING | ITEM ⑥ CRIMP SLEEVE |
|--------------|---|---|---|---------------------|------------------------------|--|
| 142-5404-001 | BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN | BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN | BRASS GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN | TEFLON | BERYLLIUM COPPER UNPLATED | COPPER GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN |
| 142-5404-006 | BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN | BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN | BRASS GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN | TEFLON | BERYLLIUM COPPER UNPLATED | COPPER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN |



NOTES:

1. SPECIFICATIONS:

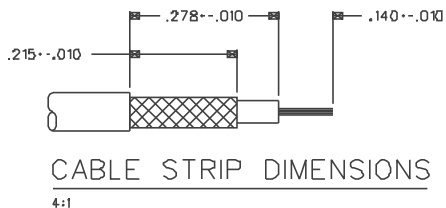
IMPEDANCE: 50 OHMS
 FREQUENCY RANGE: 0-12.4 GHz
 VSWR: 1.15-.02 F MAX (F IN GHz)
 WORKING VOLTAGE: 250 VRMS MAX AT SEA LEVEL
 DIELECTRIC WITHSTANDING VOLTAGE: 750 VRMS MIN AT SEA LEVEL
 INSULATION RESISTANCE: 5000 MEGOHM MIN
 CONTACT RESISTANCE:
 CENTER CONTACT - INITIAL 3.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 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 DB MAX (F IN GHz) AT 6 GHz
 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
 CABLE ACCEPTABILITY: RG 316/U DOUBLE SHIELDED
 RG 188/U DOUBLE SHIELDED
 CABLE HEX CRIMP SIZE: .151
 CONTACT CRIMP TOOL: P/N 144-0000-910 WITH POSITIONER 141-0000-907
 CABLE RETENTION: 20 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° 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 D
 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106




| | |
|--|--|
| DRAWING NO. C - 142-5404-001/010 | |
| 0 REVISIONS | |
| ENGINEERING RELEASE | |
| 1 | 10-2-98 R H S I T R P 11-11-98 ECN 45810 |
| VERSION UPDATE | |
| * REVISION NUMBER FOLLOWED BY AN ALPHA * * CHARACTER INDICATES DRAWING CLASS * * CATION OR PART NUMBER ADDITION ONLY * | |
| 1a | 5-5-00 R H S I T R P 5-22-00 ECN 47090 |
| ADDED: CONTACT CRIMP TOOL P/N'S | |
| * REVISION NUMBER FOLLOWED BY AN ALPHA * * CHARACTER INDICATES DRAWING CLASS * * CATION OR PART NUMBER ADDITION ONLY * | |
| 1b | 11-10-00 R H S I T R P ECN 47310 |

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

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|--------------------------------------|--------------------|-----------------|--|-------------------------------------|
| TOLERANCE UNLESS OTHERWISE SPECIFIED | DRAWN BY SWC | DATE 7-8-98 |  Cinch Connectivity Solutions 299 Johnson Ave. Ste. 100 Waukegan, MN 56003 1-800-247-8256 | |
| DECIMALS .XX REF | CHECKED BY SWC | DATE 10-2-98 | TITLE PLUG ASSEMBLY, STRAIGHT CABLE LEFT HAND THREAD SMA, RG 316DS | |
| MATL | APPROVED BY TAK | DATE 10-6-98 | CODE NO. | DRAWING NO. C - 142-5404-001/010 |
| FINISH | APPROVED BY RJB | DATE 10-7-98 | SCALE 10:1 | W/M INCH SHEET 2 OF 2 |
| | RELEASE DATE | 11-11-98 | | |