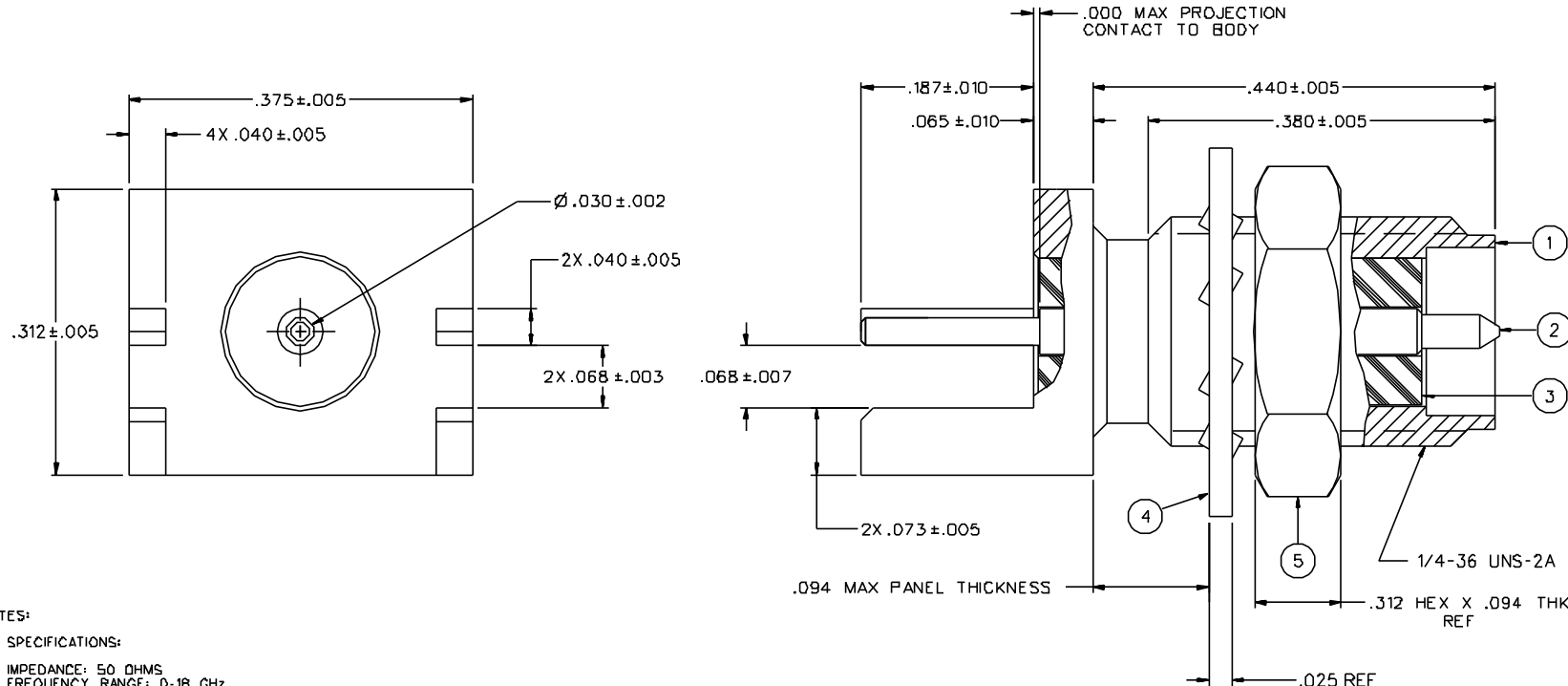


| PART NUMBER  | ITEM ①<br>BODY  | ITEM ②<br>CONTACT  | ITEM ③<br>INSULATOR | ITEM ④<br>LOCKWASHER  | ITEM ⑤<br>NUT   |
|--------------|---|--|---------------------|---|---|
| 142-4701-801 | BRASS<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | BERYLLIUM COPPER<br>GOLD PL .00005 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | TEFLON              | PHOSPHOR BRONZE<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 |
| 142-4701-806 | BRASS<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN                             | BERYLLIUM COPPER<br>GOLD PL .00003 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | TEFLON              | PHOSPHOR BRONZE<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN OVER                        | BRASS<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN OVER                        |

|  |                                |
|--|--------------------------------|
| DRAWING NO.<br>C - 142-4701-801/810  |                                |
| 0  | REVISIONS                      |
| ENGINEERING RELEASE  |                                |
| 1  | 11-12-98 R H S I T R ECN 45890 |
| PHOSPHOR BRONZE WAS BRASS<br>ADDED: .025 REF. LOCK<br>ADDED: .312 HEX X .094 THK REF<br>.094 WAS .125, UPDATED VIEWS |                                |
| 2  | 6-5-01 ECN 48038               |



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 1  
 VIBRATION: MIL-STD-202, METHOD 204, CONDITION D  
 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED PER ANSY 14.5M - 1982

"μSTATION"

COMPANY CONFIDENTIAL

|                                      |                        |                  |   |
|--------------------------------------|------------------------|------------------|---|
| TOLERANCE UNLESS OTHERWISE SPECIFIED | DRAWN BY<br><b>RSH</b> | DATE<br>11-12-98 | <b>JOHNSON</b><br><small>Cinch Connectivity Solutions<br/>299 Johnson Ave. Ste. 100<br/>Waukegan, MN 56093<br/>1-800-247-8256</small> |
| DECIMALS _____ mm _____              | CHECKED BY<br>SWC      | DATE<br>11-13-98 |   |
| .XXX _____                           | APPROVED BY<br>TAK     | DATE<br>12-7-98  | TITLE<br>JACK ASSEMBLY<br>END LAUNCH<br>SMA, REVERSE POLARITY   |
| MATL _____                           | APPROVED BY<br>RJE     | DATE<br>12-14-98 | CODE NO.  |
| FINISH _____                         | RELEASE DATE<br>1-5-99 |                  | DRAWING NO.<br>C - 142-4701-801/810   |
|                                      |                        | SCALE 10:1       | U/N INCH SHEET 2 OF 2   |