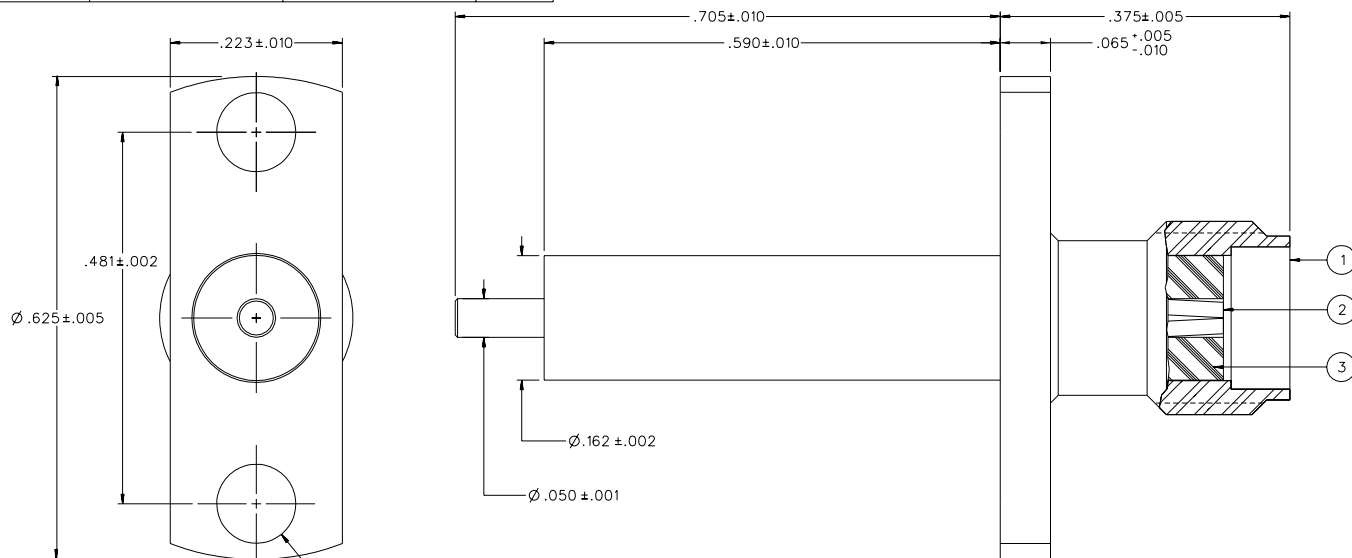


| PART NUMBER  | ITEM ①<br>BODY  | ITEM ②<br>CONTACT  | ITEM ③<br>INSULATOR |
|--------------|---|--|---------------------|
| 141-0701-621 | STAINLESS STEEL<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .00005 MIN OVER | BERYLLIUM COPPER<br>GOLD PL .00005 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | TEFLON              |
| 141-0701-622 | STAINLESS STEEL<br>PASSIVATED   | BERYLLIUM COPPER<br>GOLD PL .00005 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | TEFLON              |

|                                     |           |     |                     |
|-------------------------------------|-----------|-----|---------------------|
| DRAWING NO.<br>C - 141-0701-621/630 |           |     |                     |
| 0                                   | REVISIONS |     |                     |
| ENGINEERING RELEASE                 |           |     |                     |
| 1                                   | 1-2-06    | PAT | 4-3-06<br>ECN 50151 |



NOTES:  
1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS  
 FREQUENCY RANGE: 0-18 GHz  
 VSWR: 1.15-.02F (F IN GHz)  
 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: .06 √F (F IN GHz) AT 6 GHz  
 RF LEAKAGE: -60 DB MIN AT 2 TO 3 GHz  
 RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 670 VRMS MIN AT 4 AND 7 MHZ

MECHANICAL:  
 ENGAGE/DISENGAGE TORQUE: 2 IN-LBS MAX  
 MATING TORQUE: 7-10 IN-LBS  
 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-PRF-39012)  
 THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B EXCEPT 200 DEG 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: MIL-STD-202, METHOD 204, CONDITION D  
 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106

CUSTOMER DRAWING

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

"μ STATION"

COMPANY CONFIDENTIAL

|                                      |                        |                  |   |
|--------------------------------------|------------------------|------------------|---|
| TOLERANCE UNLESS OTHERWISE SPECIFIED | DRAWN BY<br>PAT        | DATE<br>12-28-05 | <br>Connectivity Solutions<br>P.O. Box 1732<br>Waseca, MN 56093<br>1-800-247-8256 |
| DECIMALS                             | CHECKED BY<br>PDW      | DATE<br>3-31-06  |   |
| .XXX ±.003                           | APPROVED BY<br>JRK/SBD | DATE<br>3-31-06  | TITLE<br>JACK ASSEMBLY<br>2 HOLE FLANGE MOUNT,<br>EXTENDED DIELECTRIC, SMA        |
| MATL                                 | RELEASE DATE           | 4-3-06           | SHEET<br>2 OF 2   |
| FINISH                               | U/M                    | INCH             | SCALE<br>10:1   |
| DRAWING NO.<br>C - 141-0701-621/630  |                        |                  |   |