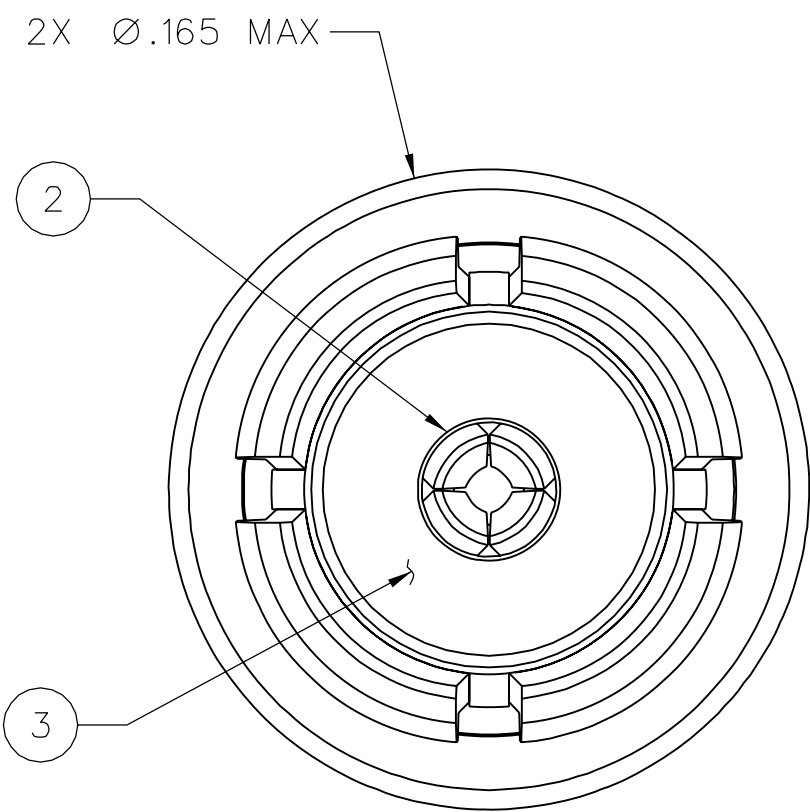
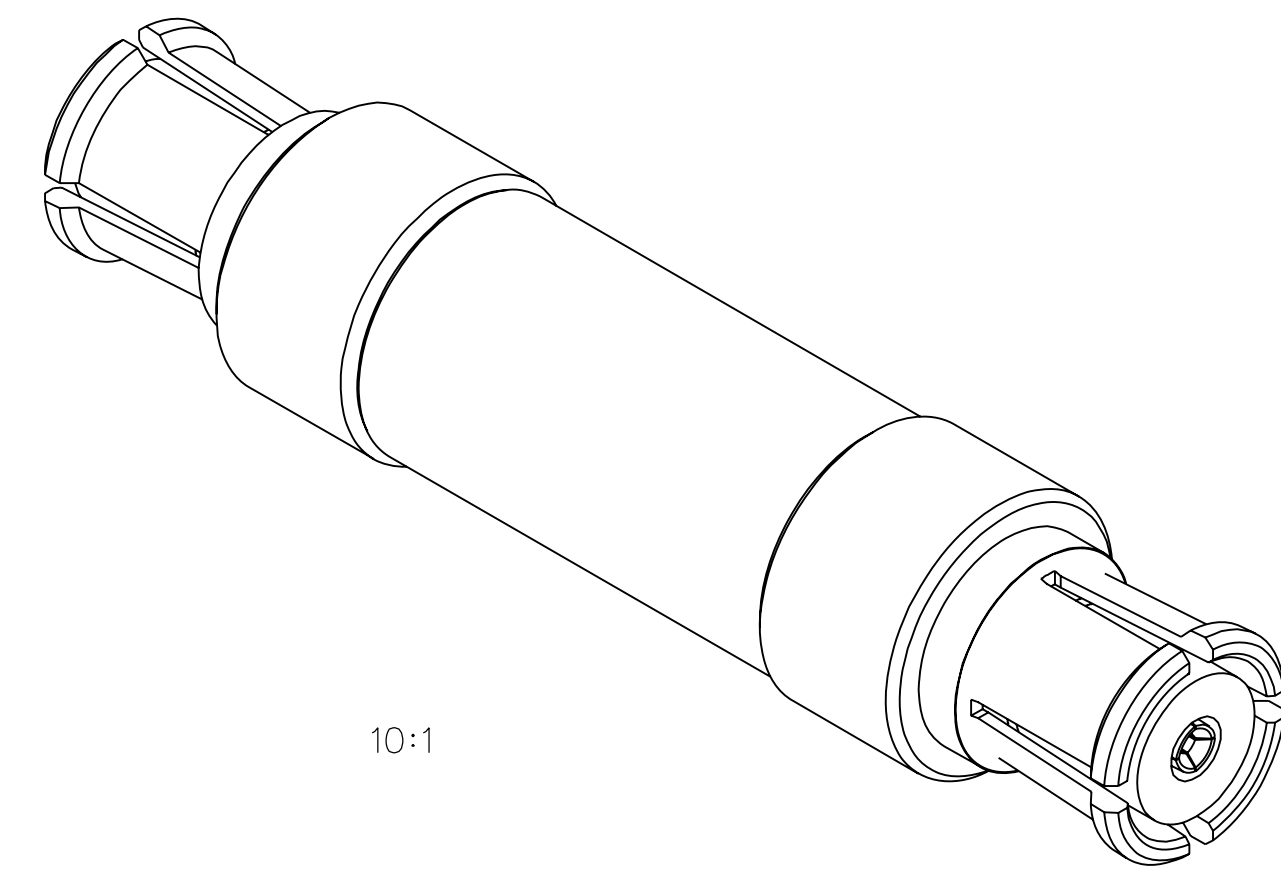
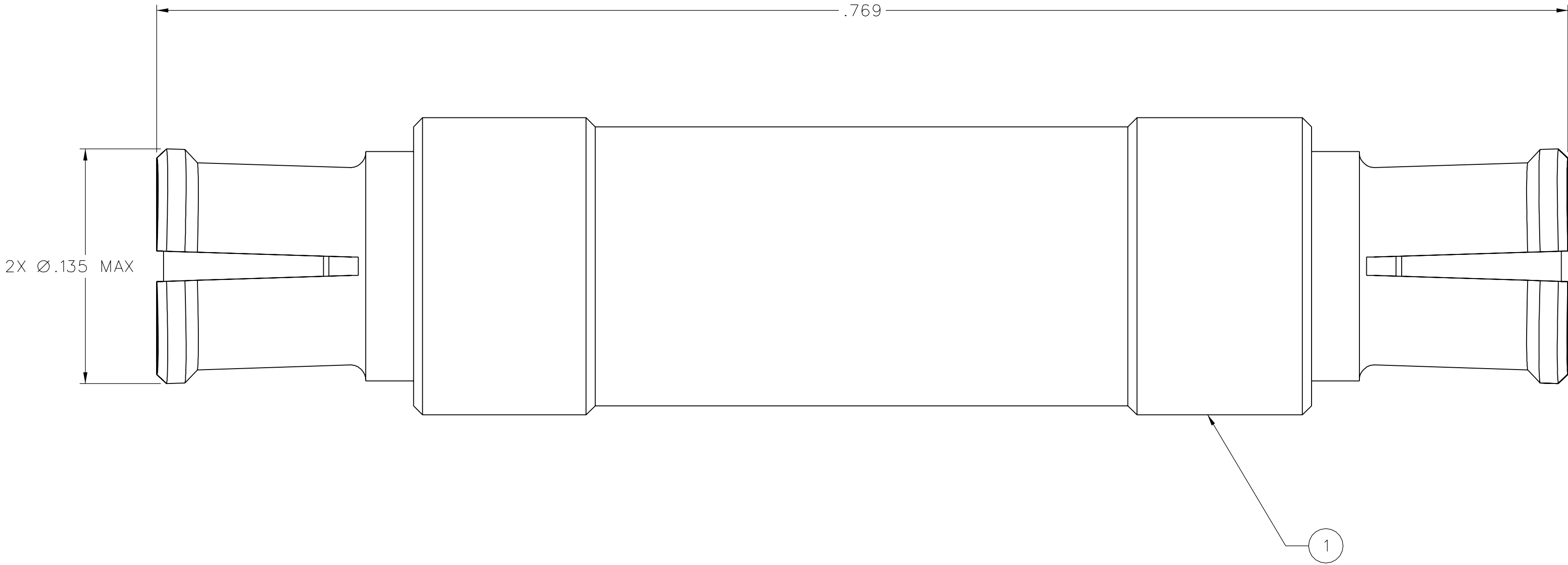


| PART NUMBER  | ITEM ①<br>BODY                                                                                   | ITEM ②<br>CONTACT                                                                                | ITEM ③ 2X<br>INSULATOR |
|--------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------|
| 127-0901-811 | BERYLLIUM COPPER<br>GOLD PL .00005 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                 |



NOTES:

1. SPECIFICATIONS:
- IMPEDENCE: 50 OHMS NOMINAL  
FREQUENCY RANGE: 0-18 GHz  
VSWR: 1.10 MAX (0-4 GHz)  
1.15 MAX (4-12 GHz)  
1.20 MAX (12-18 GHz)  
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL  
DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS MIN AT SEA LEVEL  
INSULATION RESISTANCE: 5000 MEGOHM MIN  
CONTACT RESISTANCE:  
CENTER CONTACT - INITIAL 6.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE  
OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE  
INSERTION LOSS: 0.10/√F (GHz) dB MAX, TESTED AT 10 GHz  
CORONA LEVEL: 190 VOLTS MIN AT 70,000 FEET  
RF LEAKAGE: -65 dB TYPICAL, TESTED AT 2.5 GHz  
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 325 VRMS MIN AT 4 AND 7 MHz
- MECHANICAL:
- INTERFACE DESIGN: IN ACCORDANCE WITH MIL-STD-348A, SERIES SMP  
ENGAGEMENT FORCE: 15.0 LBS MAX (FULL DETENT)  
10.0 LBS MAX (LIMITED DETENT)  
2.0 LBS MAX (SMOOTH BORE)  
DISENGAGEMENT FORCE: 5.0 LBS MIN (FULL DETENT)  
2.0 LBS MIN (LIMITED DETENT)  
0.5 LBS MIN (SMOOTH BORE)  
CONTACT RETENTION: 1.5 LBS MIN AXIAL FORCE  
DURABILITY: 100 CYCLES MIN (FULL DETENT)  
500 CYCLES MIN (LIMITED DETENT)  
1000 CYCLES MIN (SMOOTH BORE)

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF DSCC DWG NO. 94007)  
OPERATING TEMPERATURE: -65°C TO 165°C  
THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B, EXCEPT 165°C HIGH TEMP  
MECHANICAL SHOCK: MIL-STD-202, METHOD 213, CONDITION I  
CORROSION: MIL-STD-202, METHOD 101, CONDITION B  
VIBRATION: MIL-STD-202, METHOD 204, CONDITION D  
MOISTURE RESISTANCE: MIL-STD-202, METHOD 106, EXCEPT STEP 7B OMITTED

|                      |           |             |             |                       |                     |
|----------------------|-----------|-------------|-------------|-----------------------|---------------------|
| DRAWING NO.          |           |             |             |                       |                     |
| D - 127-0901-811/820 |           |             |             |                       |                     |
| 0                    | REVISIONS |             |             |                       |                     |
| ENGINEERING RELEASE  |           |             |             |                       |                     |
| 1                    | 5-25-07   | P<br>A<br>T | J<br>R<br>K | M<br>P<br>D<br>J<br>U | J<br>C<br>N         |
|                      |           |             |             |                       | 5-29-07<br>ECN 5102 |

5-29-07  
ECN 51023

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>1-22-07 | <br><b>Connectivity Solutions</b><br>P.O. Box 1732<br>Waseca, MN 56093<br>1-800-247-8256 |  |
| DECIMALS                             | mm | CHECKED BY<br>JRK  | DATE<br>5-25-07 |                                                                                                                                                                               |  |
| .XX                                  |    | APPROVED BY<br>PDW | DATE<br>5-25-07 | TITLE<br>SMP FEMALE/FEMALE ADAPTER, .769 LONG                                                                                                                                 |  |
| .XXX ±.005                           |    |                    |                 |                                                                                                                                                                               |  |
| MATL                                 |    |                    |                 |                                                                                                                                                                               |  |
| FINISH                               |    | RELEASE DATE       | 5-29-07         | SHEET<br>2 OF 2                                                                                                                                                               |  |
|                                      |    | U/M INCH           | SCALE 20:1      |                                                                                                                                                                               |  |
|                                      |    |                    |                 | DRAWING NO.<br>D - 127-0901-811/820                                                                                                                                           |  |