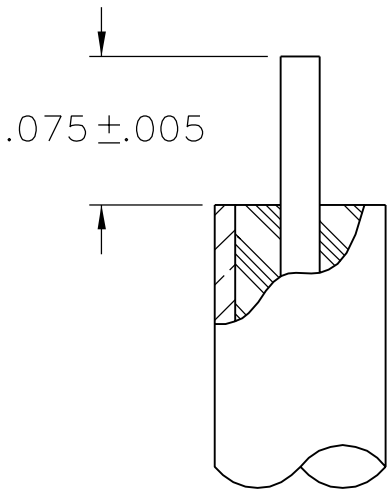
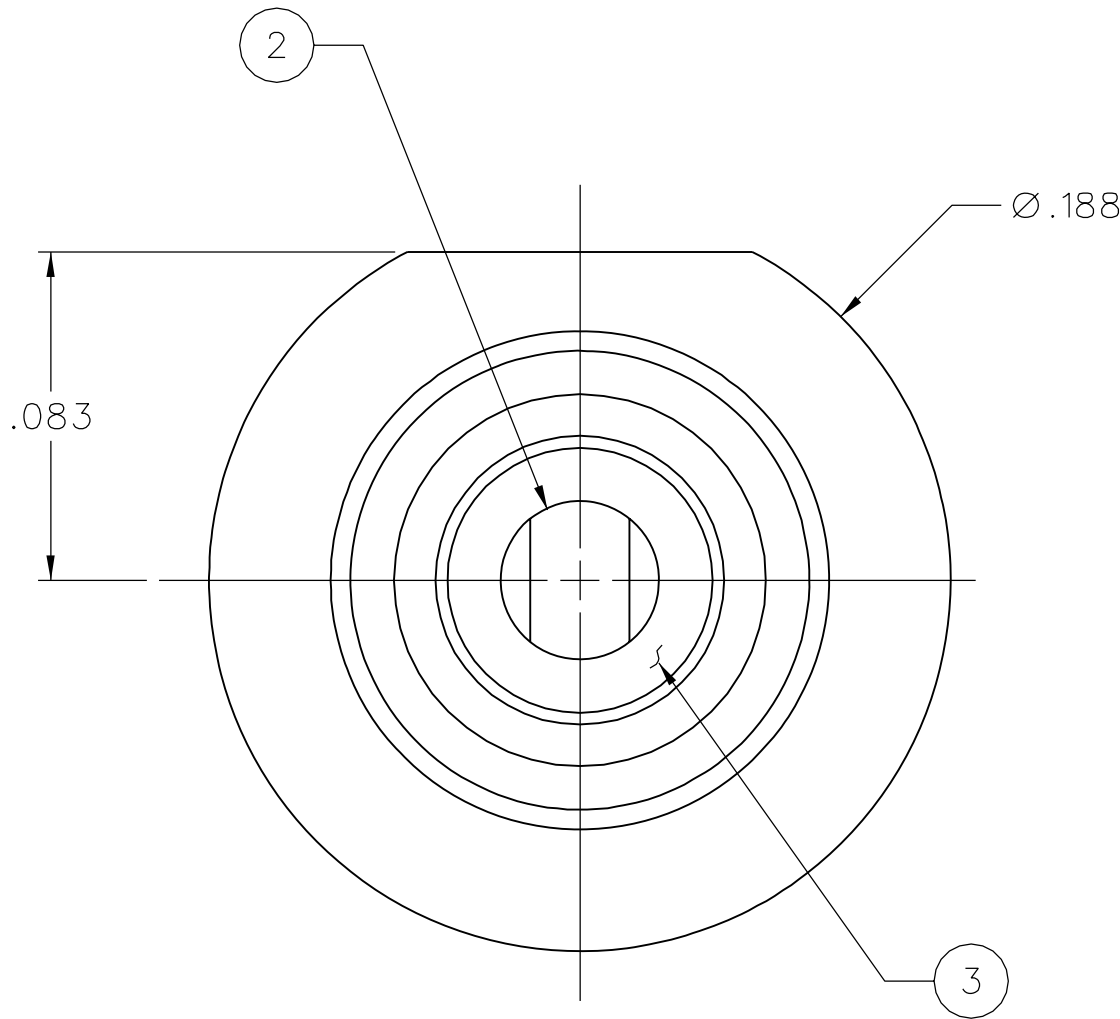
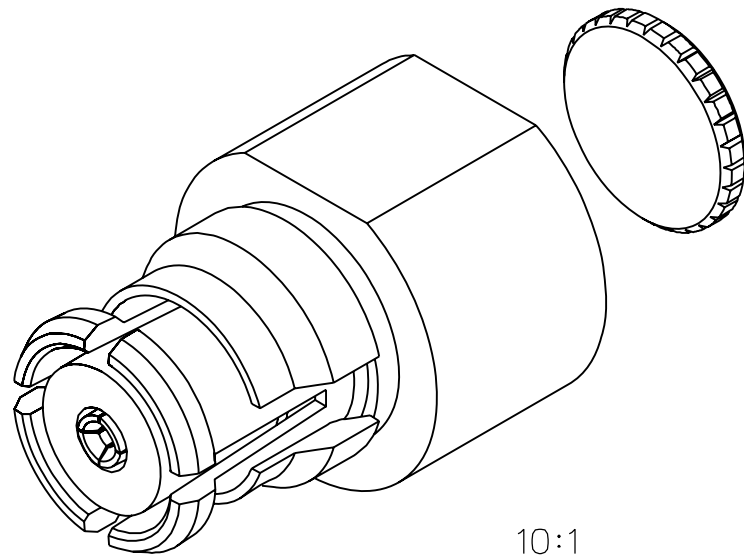
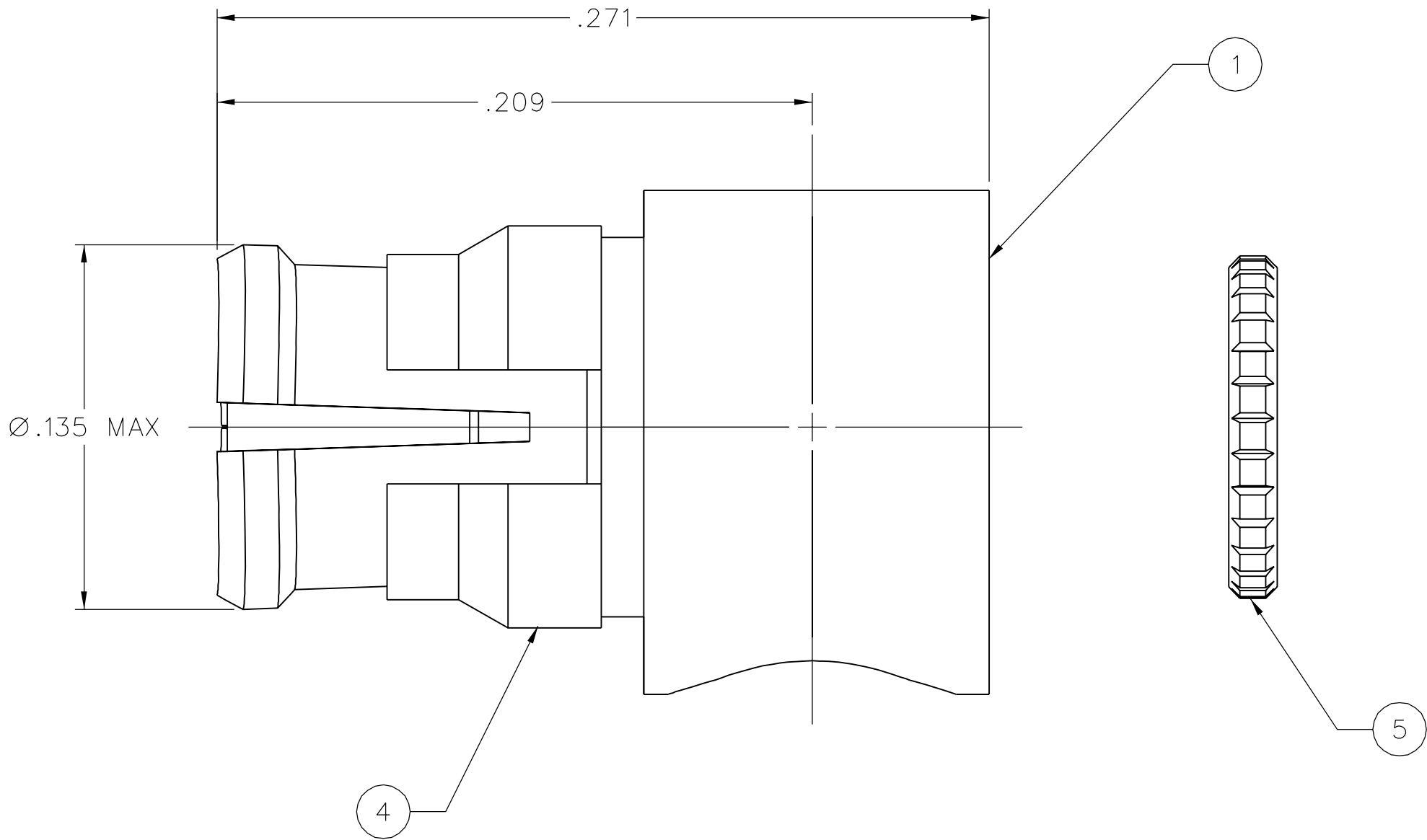


| PART NUMBER  | ITEM ①<br>BODY                                                                                   | ITEM ②<br>CONTACT                                                                                | ITEM ③<br>INSULATOR<br>TEFLON | ITEM ④<br>ANTI-ROCK RING                                                                         | ITEM ⑤<br>END CAP                                                                     |
|--------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 127-0693-101 | 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 |                               | BERYLLIUM COPPER<br>GOLD PL .00003 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 |



CABLE STRIP DIMENSIONS  
10:1

|                                          |           |             |             |             |             |                       |
|------------------------------------------|-----------|-------------|-------------|-------------|-------------|-----------------------|
| DRAWING NO.                              |           |             |             |             |             |                       |
| C - 127-0693-101/110                     |           |             |             |             |             |                       |
| 0                                        | REVISIONS |             |             |             |             |                       |
| ENGINEERING RELEASE                      |           |             |             |             |             |                       |
| 1                                        | 7-27-07   | P<br>A<br>T | J<br>R<br>K | P<br>D<br>W | J<br>C<br>N | 7-30-07<br>ECN 51145  |
| VERSION UPDATE                           |           |             |             |             |             |                       |
| *****                                    |           |             |             |             |             |                       |
| * REVISION NUMBER FOLLOWED BY AN ALPHA * |           |             |             |             |             |                       |
| * CHARACTER INDICATES DRAWING CLARIFI-   |           |             |             |             |             |                       |
| * CATION OR PART NUMBER ADDITION ONLY. * |           |             |             |             |             |                       |
| *****                                    |           |             |             |             |             |                       |
| 1a                                       | 12-13-07  | P<br>A<br>T | J<br>R<br>K | M<br>J<br>U | R<br>B      | 12-21-07<br>ECN 51330 |

NOTES:

1. SPECIFICATIONS:
- IMPEDENCE: 50 OHMS NOMINAL  
FREQUENCY RANGE: 0-18 GHz  
VSWR: 1.20 MAX (0-18 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  
CABLE SHIELD TO CONNECTOR BODY - INITIAL 0.5 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
- INSERTION LOSS: 0.12√F (GHz) dB MAX, TESTED AT 10 GHz  
CORONA LEVEL: 190 VOLTS MIN AT 70,000 FEET  
RF LEAKAGE: -80 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)  
DISENGAGEMENT FORCE: 5.0 LBS MIN (FULL DETENT)  
CONTACT RETENTION: 1.5 LBS MIN AXIAL FORCE  
CABLE ACCEPTABILITY: MIL-C-17/133, RG 405/U  
CABLE RETENTION: 30 LBS MIN AXIAL FORCE  
16 IN-OUNCE MIN TORQUE  
DURABILITY: 100 CYCLES MIN (FULL DETENT)

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 125°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

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>3-26-07 |  <b>Cinch</b><br>CONNECTIVITY SOLUTIONS<br>a bel group | Cinch Connectivity Solutions<br>P.O. Box 1732<br>Waseca, MN 56093<br>1-800-247-8256 |                 |
| DECIMALS                             | mm | CHECKED BY<br>JRK  | DATE<br>7-30-07 |                                                                                                                                             | TITLE<br>SMP FEMALE,<br>RIGHT ANGLE CABLED<br>RG-405 (.086) SEMI-RIGID              |                 |
| .XX                                  |    | APPROVED BY<br>PDW | DATE<br>7-30-07 |                                                                                                                                             |                                                                                     |                 |
| .XXX±.005                            |    | RELEASE DATE       | 7-30-07         |                                                                                                                                             |                                                                                     |                 |
| MATL                                 |    | U/M                | INCH            | SCALE                                                                                                                                       | 20:1                                                                                | SHEET<br>2 OF 2 |
| FINISH                               |    |                    |                 |                                                                                                                                             | DRAWING NO.<br>C - 127-0693-101/110                                                 |                 |