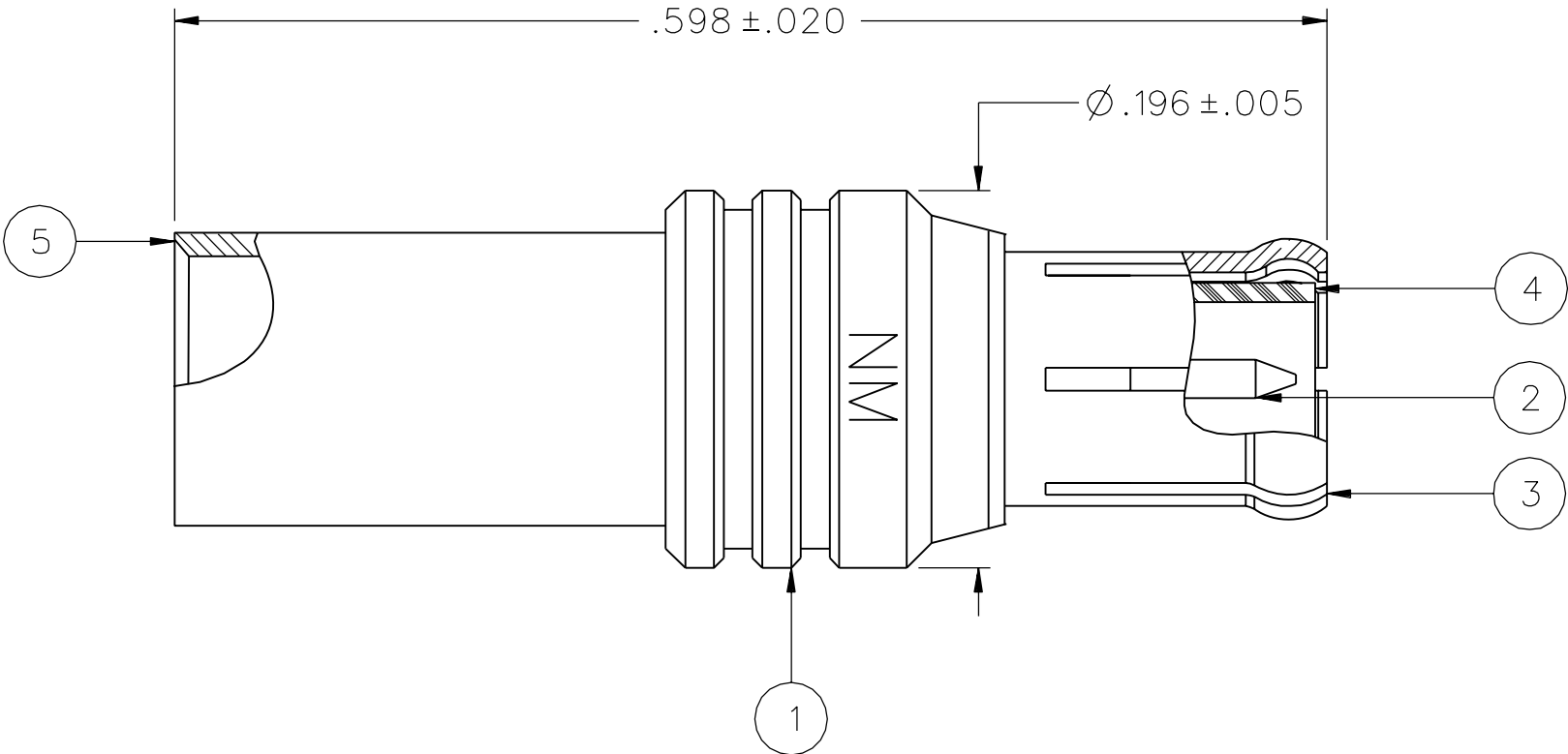


| PART NUMBER  | ITEM ①<br>BODY                                                    | ITEM ②<br>CONTACT                                                 | ITEM ③<br>INTERFACE                                                   | ITEM ④<br>INSULATOR | ITEM ⑤<br>CRIMP SLEEVE                                             |
|--------------|-------------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------|---------------------|--------------------------------------------------------------------|
| 133-9403-001 | COPPER ALLOY<br>GOLD PL .00005 MIN OVER<br>COPPER PL .00005 MIN   | COPPER ALLOY<br>GOLD PL .00005 MIN OVER<br>COPPER PL .00005 MIN   | BERYLLIUM COPPER<br>GOLD PL .00005 MIN OVER<br>COPPER PL .00005 MIN   | TEFLON              | COPPER COPPER<br>GOLD PL .00005 MIN OVER<br>COPPER PL .00005 MIN   |
| 133-9403-004 | COPPER ALLOY<br>SILVER PL .00005 MIN OVER<br>COPPER PL .00005 MIN | COPPER ALLOY<br>SILVER PL .00005 MIN OVER<br>COPPER PL .00005 MIN | BERYLLIUM COPPER<br>SILVER PL .00005 MIN OVER<br>COPPER PL .00005 MIN | TEFLON              | COPPER COPPER<br>SILVER PL .00005 MIN OVER<br>COPPER PL .00005 MIN |



NOTES:

IMPEDANCE: 50 OHMS  
FREQUENCY RANGE: 0-6 GHz  
VSWR: 1.13+.04F MAX (F IN GHz)  
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL  
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL  
INSULATION RESISTANCE: 10000 MEGOHM MIN  
CONTACT RESISTANCE:  
CENTER CONTACT - INITIAL 5 MILLIOHM MAX, AFTER ENVIRONMENTAL 8 MILLIOHM MAX  
OUTER CONDUCTOR - INITIAL 1 MILLIOHM MAX, AFTER ENVIRONMENTAL 1.5 MILLIOHM MAX  
BODY TO CABLE - INITIAL 1MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE  
CORONA LEVEL: 250 VOLTS MINIMUM AT 70,000 FEET  
INSERTION LOSS: .1DB MAX AT 1GHz  
RF LEAKAGE: -55 DB AT 2.5 GHz  
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 700 VRMS AT 4 AND 7 MHz

MECHANICAL:

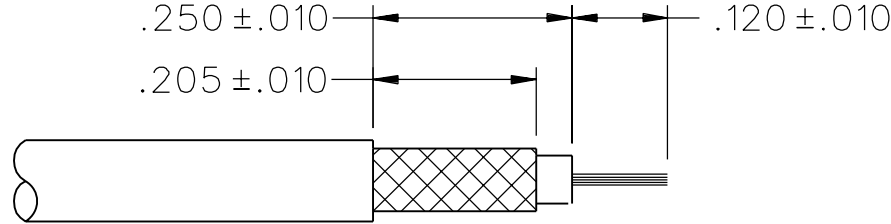
ENGAGE/DISENGAGE FORCE: 5.6 LBS MAX ENGAGEMENT  
1.0/8.0 LBS MIN/MAX DISENGAGEMENT

CONTACT RETENTION FORCE: 2.3 LBS MIN AXIAL FORCE  
CONTACT RETENTION TORQUE: NOT APPLICABLE  
COUPLING MECHANISM RETENTION: NOT APPLICABLE  
CABLE ACCEPTABILITY: RG 188/U, RG 316/U, RG 161/U, RG 174/U  
CABLE HEX CRIMP SIZE: .128  
CABLE RETENTION: 20 LBS MIN AXIAL FORCE  
DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-39012)  
THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION F  
OPERATING TEMPERATURE: -65 DEG C TO 165 DEG C  
CORROSION: MIL-STD-202, METHOD 101, CONDITION B  
SHOCK: MIL-STD-202, METHOD 213, CONDITION B  
VIBRATION: MIL-STD-202, METHOD 204, CONDITION B  
MOISTURE RESISTANCE: MIL-STD-202, METHOD 106

2. CONNECTOR MARKED "NM" FOR NON-MAGNETIC



CABLE STRIP DIMENSIONS

4:1

|                                                |           |             |             |             |             |  |                 |  |  |
|------------------------------------------------|-----------|-------------|-------------|-------------|-------------|--|-----------------|--|--|
| DRAWING NO.                                    |           |             |             |             |             |  |                 |  |  |
| C - 133-9403-001/010                           |           |             |             |             |             |  |                 |  |  |
| 0                                              | REVISIONS |             |             |             |             |  |                 |  |  |
| ENGINEERING RELEASE                            |           |             |             |             |             |  |                 |  |  |
| 1                                              | 7-18-03   | R<br>H      | T<br>A<br>K | R<br>J<br>B |             |  | ECN 489         |  |  |
| COPPER ALLOY WAS COPPER,<br>END VERSION UPDATE |           |             |             |             |             |  |                 |  |  |
| 2                                              | 2-21-07   | P<br>A<br>T | J<br>D<br>S | T<br>A<br>K | M<br>J<br>U |  | 6-8-07<br>ECN 1 |  |  |

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

|                                      |             |                         |                 |                                                                                          |                                     |
|--------------------------------------|-------------|-------------------------|-----------------|------------------------------------------------------------------------------------------|-------------------------------------|
| TOLERANCE UNLESS OTHERWISE SPECIFIED |             | DRAWN BY<br><b>RSH</b>  | DATE<br>2-3-03  | <br><b>Connectivity Solutions</b><br>P.O. Box 1732<br>Waseca, MN 56093<br>1-800-247-8256 |                                     |
| DECIMALS<br>.XX                      | mm<br>_____ | CHECKED BY<br>TAK       | DATE<br>7-29-03 |                                                                                          |                                     |
| .XXX ±.003                           | _____       | APPROVED BY<br>RJB      | DATE<br>7-29-03 | TITLE<br>PLUG ASSEMBLY<br>STRAIGHT CABLED, RG 316<br>NON-MAGNETIC MCX                    |                                     |
| MATL<br>_____                        |             | RELEASE DATE<br>7-29-03 |                 | SHEET<br>2 OF 2                                                                          | DRAWING NO.<br>C - 133-9403-001/010 |
| FINISH<br>_____                      |             | U/M INCH                | SCALE 10:1      |                                                                                          |                                     |