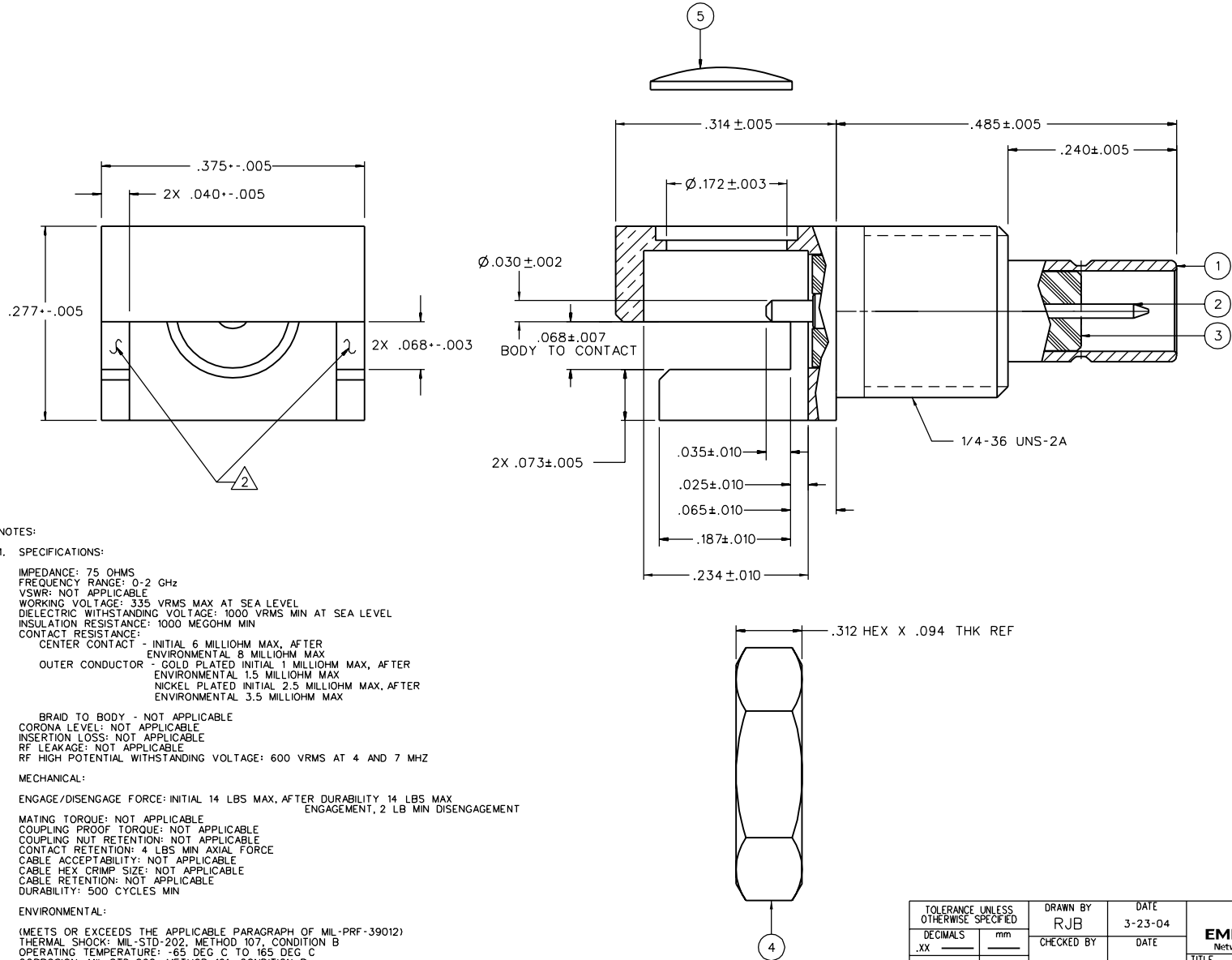


| PART NUMBER  | ITEM ①<br>BODY                                                                        | ITEM ②<br>CONTACT                                                                                | ITEM ③<br>INSULATOR<br>TEFLON | ITEM ④<br>NUT                                                                         | ITEM ⑤<br>CAP                                                                         |
|--------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 131-8701-871 | 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 |                               | BRASS<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 |

|                                     |                                             |
|-------------------------------------|---------------------------------------------|
| DRAWING NO.<br>C - 131-8701-871/880 |                                             |
| 0                                   | REVISIONS                                   |
| ENGINEERING RELEASE                 |                                             |
| 1                                   | 3-23-04 R [ ] [ ] [ ] [ ] 3-31-04 ECN 49243 |
| DELETED: LOCKWASHER                 |                                             |
| 2                                   | 1-28-05 R [ ] [ ] [ ] [ ] 2-9-05 ECN 49639  |



NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 75 OHMS  
 FREQUENCY RANGE: 0-2 GHz  
 VSWR: NOT APPLICABLE  
 WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL  
 DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL  
 INSULATION RESISTANCE: 1000 MEGOHM MIN  
 CONTACT RESISTANCE:  
 CENTER CONTACT - INITIAL 6 MILLIOHM MAX, AFTER ENVIRONMENTAL 8 MILLIOHM MAX  
 OUTER CONDUCTOR - GOLD PLATED INITIAL 1 MILLIOHM MAX, AFTER ENVIRONMENTAL 1.5 MILLIOHM MAX  
 NICKEL PLATED INITIAL 2.5 MILLIOHM MAX, AFTER ENVIRONMENTAL 3.5 MILLIOHM MAX

BRAID TO BODY - NOT APPLICABLE  
 CORONA LEVEL: NOT APPLICABLE  
 INSERTION LOSS: NOT APPLICABLE  
 RF LEAKAGE: NOT APPLICABLE  
 RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 600 VRMS AT 4 AND 7 MHZ

MECHANICAL:

ENGAGE/DISENGAGE FORCE: INITIAL 14 LBS MAX, AFTER DURABILITY 14 LBS MAX  
 ENGAGEMENT, 2 LB MIN DISENGAGEMENT

MATING TORQUE: NOT APPLICABLE  
 COUPLING PROOF TORQUE: NOT APPLICABLE  
 COUPLING NUT RETENTION: NOT APPLICABLE  
 CONTACT RETENTION: 4 LBS MIN AXIAL FORCE  
 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  
 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

△ SURFACES TO BE IN LINE WITH EACH OTHER WITHIN .004.

THIS DRAWING TO BE INTERPRETED  
 PER ANSI Y 14.5M - 1982

"μ STATION"

COMPANY CONFIDENTIAL

|                                      |    |                    |                 |                                                                               |                                     |
|--------------------------------------|----|--------------------|-----------------|-------------------------------------------------------------------------------|-------------------------------------|
| TOLERANCE UNLESS OTHERWISE SPECIFIED |    | DRAWN BY<br>RJB    | DATE<br>3-23-04 | Connectivity Solutions<br>P.O. Box 1732<br>Waseca, MN 56093<br>1-800-247-8256 |                                     |
| DECIMALS                             | mm | CHECKED BY         | DATE            |                                                                               |                                     |
| .XX                                  |    |                    |                 | TITLE<br>JACK ASSEMBLY,<br>END LAUNCH BULKHEAD,<br>MINI-75 OHM SMB            |                                     |
| .XXX                                 |    | APPROVED BY<br>RJB | DATE<br>3-31-04 |                                                                               |                                     |
| MATL                                 |    | RELEASE DATE       | 3-31-04         | SHEET<br>2 OF 2                                                               | DRAWING NO.<br>C - 131-8701-871/880 |
| FINISH                               |    | U/M INCH           | SCALE 10:1      |                                                                               |                                     |