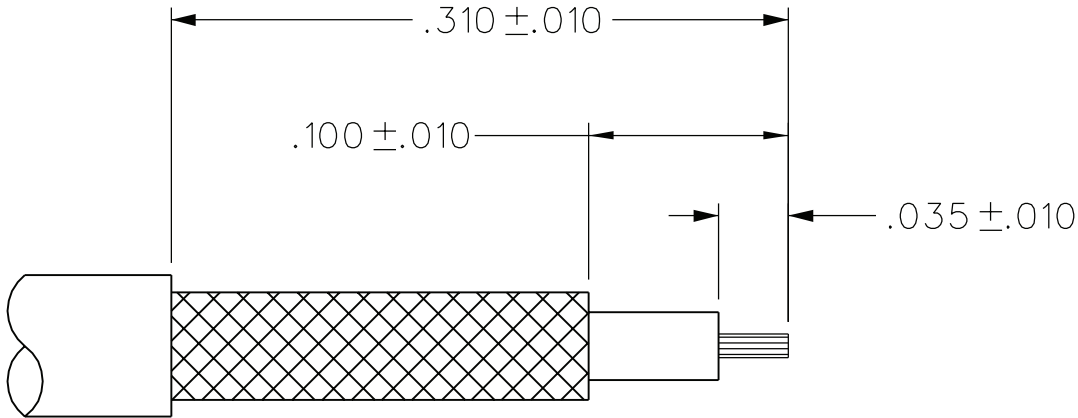
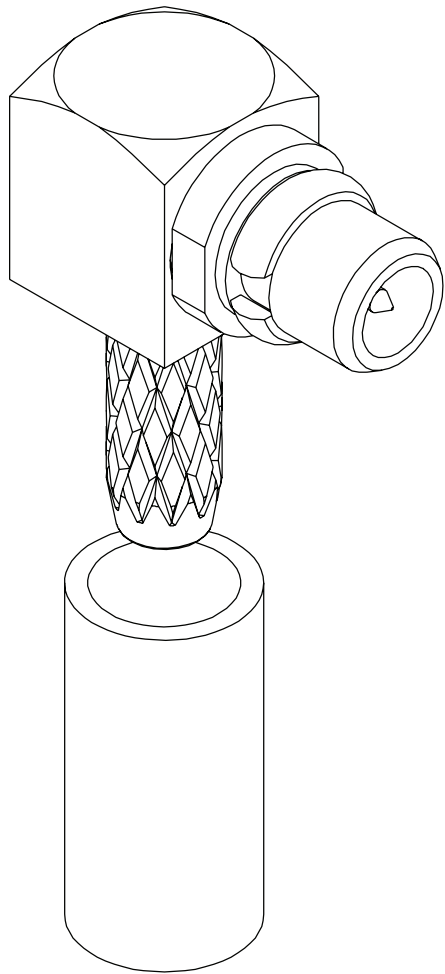
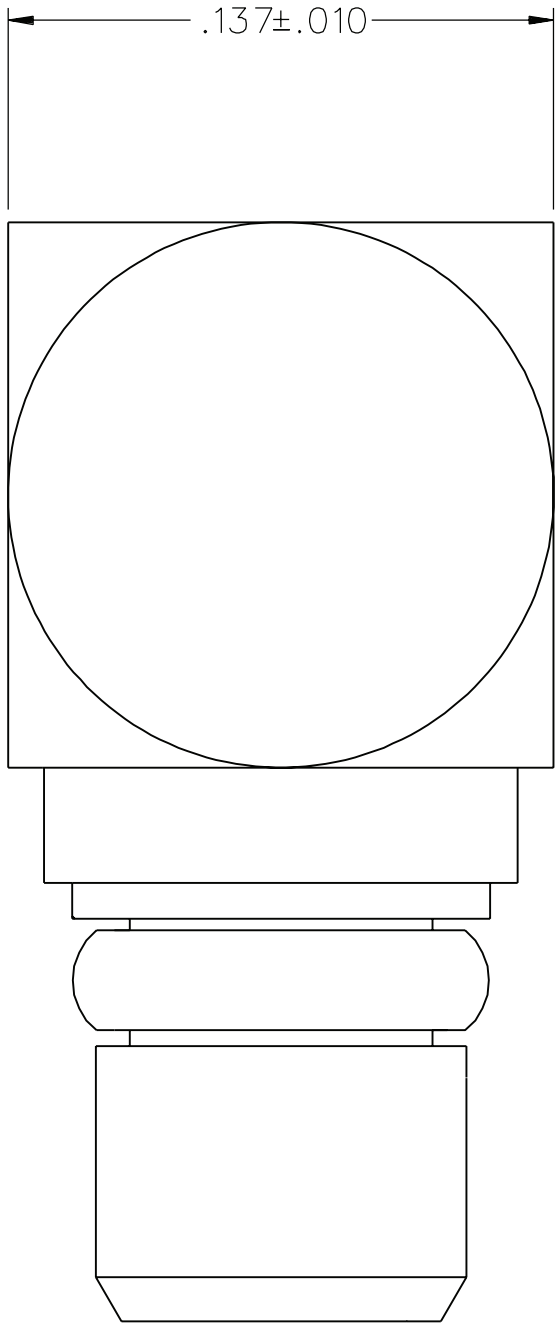
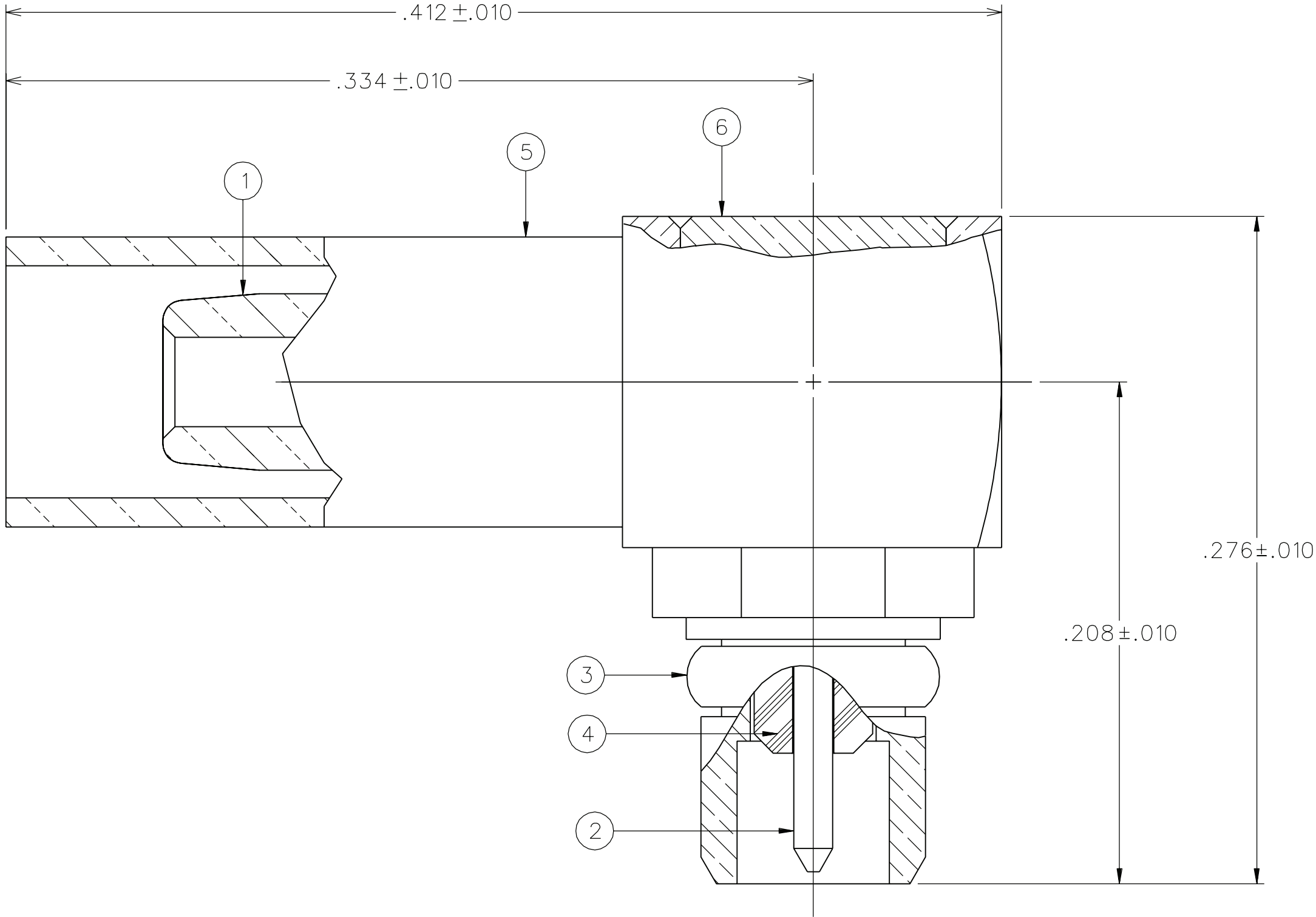


| PART NUMBER  | ITEM ①<br>BODY                                                  | ITEM ②<br>CONTACT                                                   | ITEM ③<br>INTERFACE SPRING                                          | ITEM ④<br>INSULATOR | ITEM ⑤<br>CRIMP SLEEVE                                          | ITEM ⑥<br>END CAP                                               |
|--------------|-----------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|---------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|
| 135-9402-111 | 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 | BERYLLIUM COPPER<br>GOLD PL .00005 MIN OVER<br>COPPER PL .00005 MIN | TEFLON              | 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 |



CABLE STRIP DIMENSIONS  
10:1

|                                                                                                                                                                     |                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| DRAWING NO.<br>C - 135-9402-111/120                                                                                                                                 |                                                 |
| 0                                                                                                                                                                   | REVISIONS                                       |
| ENGINEERING RELEASE                                                                                                                                                 |                                                 |
| 1                                                                                                                                                                   | 9-6-07<br>P A T M T J<br>D S K U S<br>ECN 51224 |
| VERSION UPDATE<br>*****<br>* REVISION NUMBER FOLLOWED BY AN ALPHA *<br>* CHARACTER INDICATES DRAWING CLARIF- *<br>* CATION OR PART NUMBER ADDITION ONLY. *<br>***** |                                                 |
| 1a                                                                                                                                                                  | 12-3-08<br>P R R M J<br>A J B U C<br>ECN 51729  |

NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS  
FREQUENCY RANGE: 0-6 GHz  
VSWR: 1.25 MAX  
WORKING VOLTAGE: 170 VRMS MAX AT SEA LEVEL  
DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS MIN AT SEA LEVEL  
INSULATION RESISTANCE: 1000 MEGOHM MIN  
CONTACT RESISTANCE:  
CENTER CONTACT - INITIAL 5.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 15.0 MILLIOHM MAX  
OUTER CONDUCTOR - GOLD PLATED INITIAL 1 MILLIOHM MAX, AFTER ENVIRONMENTAL 1.5 MILLIOHM MAX  
BODY TO BRAID - GOLD PLATED INITIAL 5.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE

CORONA LEVEL: 190 VOLTS MINIMUM AT 70,000 FEET  
INSERTION LOSS: 0.2 DB MAX AT 1GHZ  
RF LEAKAGE: -60 DB AT 2.5 GHZ  
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 400 VRMS AT 4 AND 7 MHZ

MECHANICAL:

ENGAGE/DISENGAGE FORCE: 8.0 LBS MAX ENGAGEMENT  
1.4 LBS MIN DISENGAGEMENT

CONTACT RETENTION FORCE: 2.0 LBS MIN AXIAL FORCE  
CONTACT RETENTION TORQUE: NOT APPLICABLE  
COUPLING MECHANISM RETENTION: NOT APPLICABLE  
CABLE ACCEPTABILITY: RG 178/U, RG 196/U  
CABLE HEX CRIMP SIZE: .105  
CABLE RETENTION: 10 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 C  
EXCEPT -55 DEG C TO 155 DEG C  
OPERATING TEMPERATURE: -55 DEG C TO 155 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 D  
MOISTURE: MIL-STD-202, METHOD 106B

CUSTOMER DRAWING

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

"μ STATION"

COMPANY CONFIDENTIAL

|                                      |    |                    |  |                 |  |                                                                                                                                                                            |  |
|--------------------------------------|----|--------------------|--|-----------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| TOLERANCE UNLESS OTHERWISE SPECIFIED |    | DRAWN BY<br>JDS    |  | DATE<br>9-6-07  |  |  <b>Connectivity Solutions</b><br>P.O. Box 1732<br>Waseca, MN 56093<br>1-800-247-8256 |  |
| DECIMALS<br>.XX                      | mm | CHECKED BY<br>TAK  |  | DATE<br>9-14-07 |  | TITLE<br>ASSEMBLY, PLUG<br>RIGHT ANGLE CABLED, RG 178<br>NON-MAGNETIC MMCX                                                                                                 |  |
| .XXX ±.003                           |    | APPROVED BY<br>TJS |  | DATE<br>9-14-07 |  |                                                                                                                                                                            |  |
| MATL                                 |    | RELEASE DATE       |  | 9-14-07         |  | SHEET<br>2 OF 2                                                                                                                                                            |  |
| FINISH                               |    | U/M INCH           |  | SCALE 20:1      |  |                                                                                                                                                                            |  |