

| PART NUMBER  | LENGTH    |       | ITEM ①   | ITEM ②   |
|--------------|-----------|-------|--|--|
|              | INCH      | mm    | UMC RIGHT ANGLE PLUG CONNECTOR, MEDIUM PROFILE | CABLE  |
| 415-0087-050 | 1.97±.16  | 50±4  | BODY - COPPER ALLOY - GOLD PLATED              | FIRST SHIELD - SILVER PLATED ANNEALED COPPER WIRE                      |
| 415-0087-100 | 3.94±.16  | 100±4 | CONTACT - COPPER ALLOY - GOLD PLATED           | SECOND SHIELD - SILVER PLATED ANNEALED COPPER WIRE                     |
| 415-0087-150 | 5.91±.16  | 150±4 | INSULATOR - PBT - BLACK, UL94V-0               | DIELECTRIC - FEP   |
| 415-0087-200 | 7.87±.16  | 200±4 |  | CENTER CONDUCTOR - SILVER PLATED ANNEALED COPPER WIRE, AWG#32 (7/.003) |
| 415-0087-250 | 9.84±.31  | 250±8 |  | JACKET - FEP - BLACK   |
| 415-0087-300 | 11.81±.31 | 300±8 |  |  |
| 415-0087-500 | 19.69±.31 | 500±8 |  |  |

DRAWING NO. B-415-0087-001/999

0 REVISIONS

ENGINEERING RELEASE

|   |          |             |             |             |             |          |           |
|---|----------|-------------|-------------|-------------|-------------|----------|-----------|
| 1 | 10-23-06 | P<br>A<br>T | S<br>B<br>D | R<br>J<br>B | P<br>D<br>W | 12-20-06 | ECN 50729 |
|---|----------|-------------|-------------|-------------|-------------|----------|-----------|

.082 WAS .083, INSULATOR: BLACK WAS WHITE

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 \* REVISION NUMBER FOLLOWED BY AN ALPHA \*  
 \* CHARACTER INDICATES DRAWING CLARIFICATION OR PART NUMBER ADDITION ONLY.  
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|    |         |             |             |             |             |             |        |           |
|----|---------|-------------|-------------|-------------|-------------|-------------|--------|-----------|
| 1a | 1-11-07 | P<br>A<br>T | S<br>B<br>D | R<br>J<br>B | M<br>J<br>C | J<br>U<br>N | 2-8-07 | ECN 50908 |
|----|---------|-------------|-------------|-------------|-------------|-------------|--------|-----------|

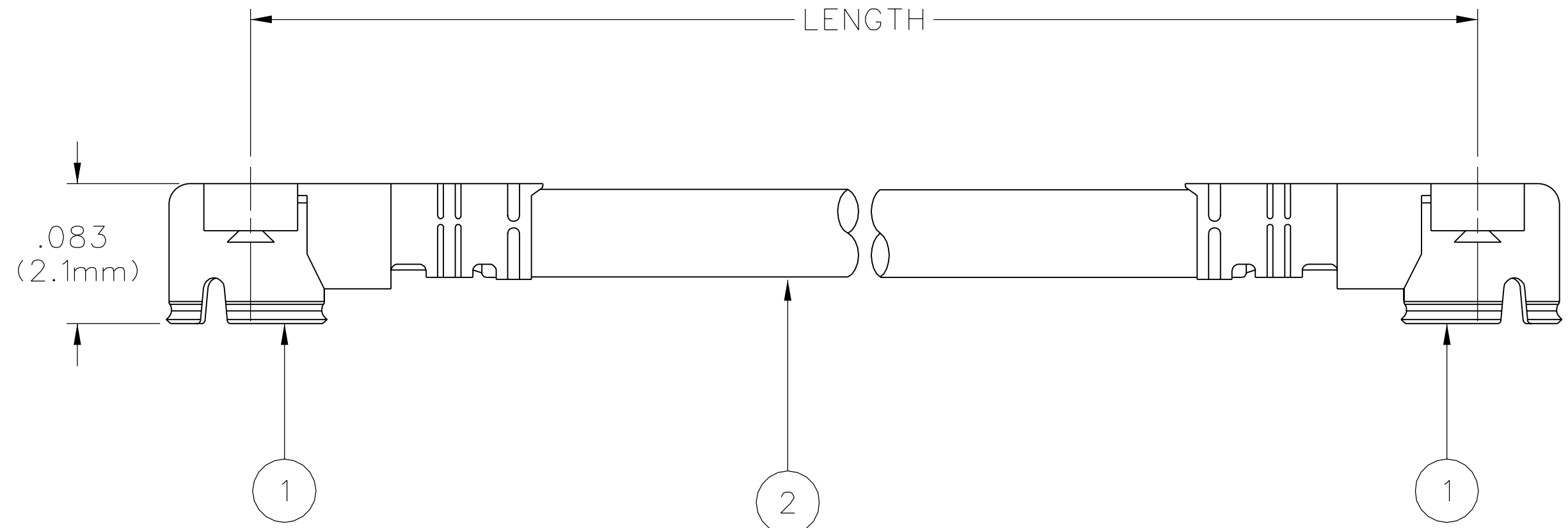
VERSION UPDATE

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 \* REVISION NUMBER FOLLOWED BY AN ALPHA \*  
 \* CHARACTER INDICATES DRAWING CLARIFICATION OR PART NUMBER ADDITION ONLY.  
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|    |         |             |             |             |             |             |         |           |
|----|---------|-------------|-------------|-------------|-------------|-------------|---------|-----------|
| 1b | 2-26-07 | P<br>A<br>T | S<br>B<br>D | R<br>J<br>B | M<br>J<br>C | J<br>U<br>N | 4-23-07 | ECN 50952 |
|----|---------|-------------|-------------|-------------|-------------|-------------|---------|-----------|

ADD MEDIUM PROFILE TO ITEM 1 BLOCK  
 CHANGE BODY MATERIAL TO COPPER ALLOY  
 CHANGE CONTACT MATERIAL TO COPPER ALLOY  
 CHANGE INSULATOR MATERIAL TO PBT  
 ADD TEXT SECOND SHIELD - SILVER PLATED ANNEALED COPPER WIRE  
 CHANGE CONTACT HEIGHT TO .083

|    |        |        |             |             |        |  |        |           |
|----|--------|--------|-------------|-------------|--------|--|--------|-----------|
| 1c | 2-7-11 | M<br>S | S<br>D<br>J | R<br>J<br>B | M<br>S |  | 2-7-11 | ECO 52914 |
|----|--------|--------|-------------|-------------|--------|--|--------|-----------|



NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS  
 FREQUENCY RANGE: 0-6 GHz  
 VSWR: 1.30 MAX AT 0-3 GHz  
 1.50 MAX AT 3-6 GHz

WITHSTANDING VOLTAGE: 200 V AC  
 INSULATION RESISTANCE: 500 MEGOHM MIN  
 CONTACT RESISTANCE:  
 CENTER CONTACT - 20 MILLI-OHMS MAX  
 OUTER CONDUCTOR - 20 MILLI-OHMS MAX

MECHANICAL:

COMPATIBILITY: MATES WITH U.FL SERIES  
 HOLDING FORCE (MIN): 0.15 N (FEMALE CONTACT)  
 DURABILITY: 30 CYCLES

ENVIRONMENTAL:

TEMPERATURE RANGE: -40°C TO +90°C


CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

|                                      |       |              |          |
|--------------------------------------|-------|--------------|----------|
| TOLERANCE UNLESS OTHERWISE SPECIFIED |       | DRAWN BY     | DATE     |
| DECIMALS                             | mm    | PAT          | 5-23-06  |
| .XX                                  | _____ | CHECKED BY   | DATE     |
| .XXX ±.004                           | _____ | RJB          | 12-13-06 |
| MATL                                 | _____ | APPROVED BY  | DATE     |
|                                      |       | PDW          | 12-19-06 |
| FINISH                               | _____ | RELEASE DATE | 12-20-06 |
|                                      |       | U/M          | INCH     |
|                                      |       | SCALE        | 10:1     |

|  |  |  |
|--|--|--|
|  <p><b>Cinch</b><br/>CONNECTIVITY SOLUTIONS<br/>a bel group</p> | <p>Cinch Connectivity Solutions<br/>P.O. Box 1732<br/>Waseca, MN 56093<br/>1-800-247-8256</p>                    |  |
|  | <p>TITLE UMC MATING CABLE PLUG<br/>         .098 (2.5mm) MATING HEIGHT<br/>         .052 (1.32mm) CABLE O.D.</p> |  |
| <p>SHEET 2 OF 2</p>  | <p>DRAWING NO. B-415-0087-001/999</p>  |  |