

| PART NUMBER | LENGTH | | ITEM ① UMC RIGHT ANGLE PLUG CONNECTOR, MEDIUM PROFILE | ITEM ② CABLE |
|--------------|-----------|-------|--|--|
| | INCH | mm | | |
| 415-0085-050 | 1.97±.16 | 50±4 | BODY - COPPER ALLOY- GOLD PLATED | SHIELD - TIN PLATED ANNEALED COPPER WIRE |
| 415-0085-100 | 3.94±.16 | 100±4 | CONTACT - COPPER ALLOY - GOLD PLATED | DIELECTRIC - FEP |
| 415-0085-150 | 5.91±.16 | 150±4 | INSULATOR - PBT - WHITE, UL94V-0 | CENTER CONDUCTOR - SILVER PLATED ANNEALED COPPER WIRE, AWG#36 (7/.002) |
| 415-0085-200 | 7.87±.16 | 200±4 | | JACKET - FEP - BLACK |
| 415-0085-250 | 9.84±.31 | 250±8 | | |
| 415-0085-300 | 11.81±.31 | 300±8 | | |
| 415-0085-500 | 19.69±.31 | 500±8 | | |

DRAWING NO.
B - 415-0085-001/999

0 REVISIONS

ENGINEERING RELEASE
1 10-20-06 P A S R P 12-20-06
T D B W ECN 50728

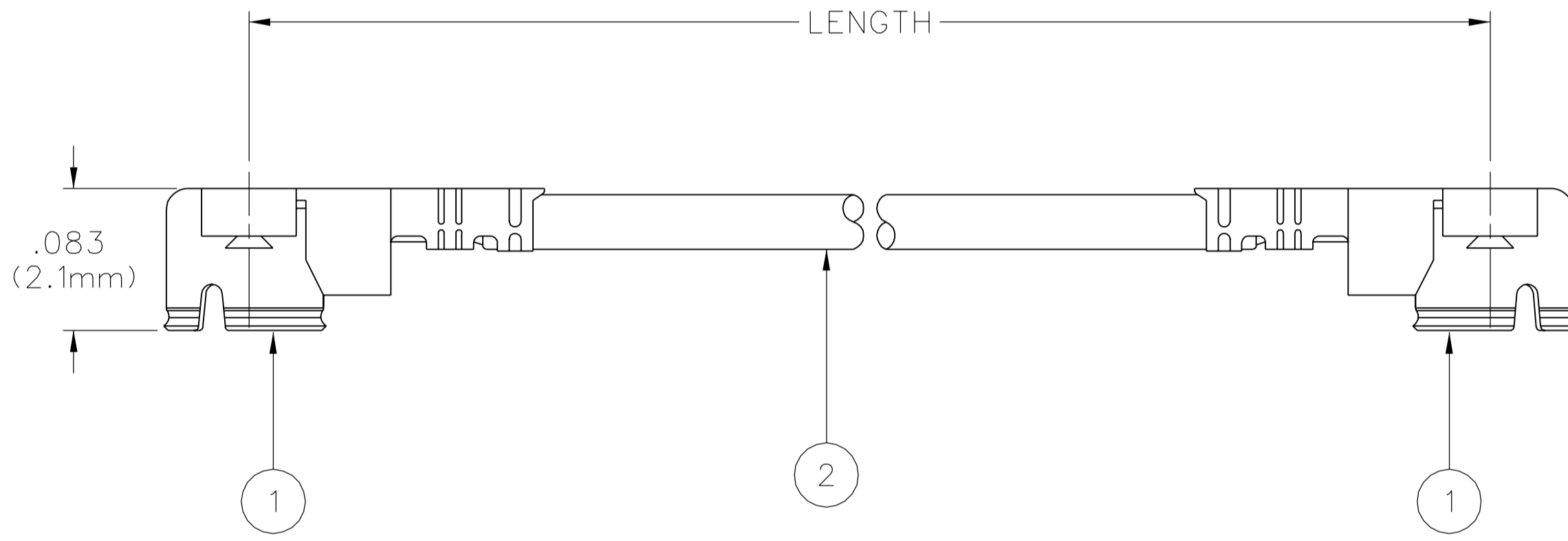
INSULATOR-LCP BLACK WAS WHITE

* REVISION NUMBER FOLLOWED BY AN ALPHA *
* CHARACTER INDICATES DRAWING CLARIFI- *
* CATION OR PART NUMBER ADDITION ONLY. *

1a 2-23-07 P A S R M J 4-23-07
T D B U N ECN 50950

ADD MEDIUM RPROFILE TO ITEM 1
CHANGE BODY MATERIAL TO COPPER ALLOY
CHANGE CONTACT MATERIAL TO COPPER ALLOY
CHANGE INSULATOR COLOR TO WHITE
CHANGE INSULATOR MATERIAL TO PBT
CHANGE SHIELD MATERIAL TO TIN PLATED

1b 2-7-11 M S D R M 2-7-11
S J B U S ECO 52912



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

"μ STATION"

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 |
| FINISH | _____ | PDW | 12-19-06 |
| | | RELEASE DATE | 12-20-06 |
| | | U/M INCH | SCALE 10:1 |

 **Cinch Connectivity Solutions**
P.O. Box 1732
Waseca, MN 56093
1-800-247-8256

TITLE UMC MATING CABLE PLUG
.098 (2.5mm) MATING HEIGHT
.032 (0.81mm) CABLE O.D.

SHEET 2 OF 2 DRAWING NO. B - 415-0085-001/999

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