

| PART NUMBER | LENGTH | |
|---------------|-----------|---------|
| | INCH | mm |
| 415-0088-050 | 1.97±.16 | 50±4 |
| 415-0088-083 | 3.27±.16 | 83±4 |
| 415-0088-100 | 3.94±.16 | 100±4 |
| 415-0088-150 | 5.91±.16 | 150±4 |
| 415-0088-200 | 7.87±.16 | 200±4 |
| 415-0088-250 | 9.84±.31 | 250±8 |
| 415-0088-300 | 11.81±.31 | 300±8 |
| 415-0088-500 | 19.69±.31 | 500±8 |
| 415-0088-1220 | 48.03±.71 | 1220±18 |

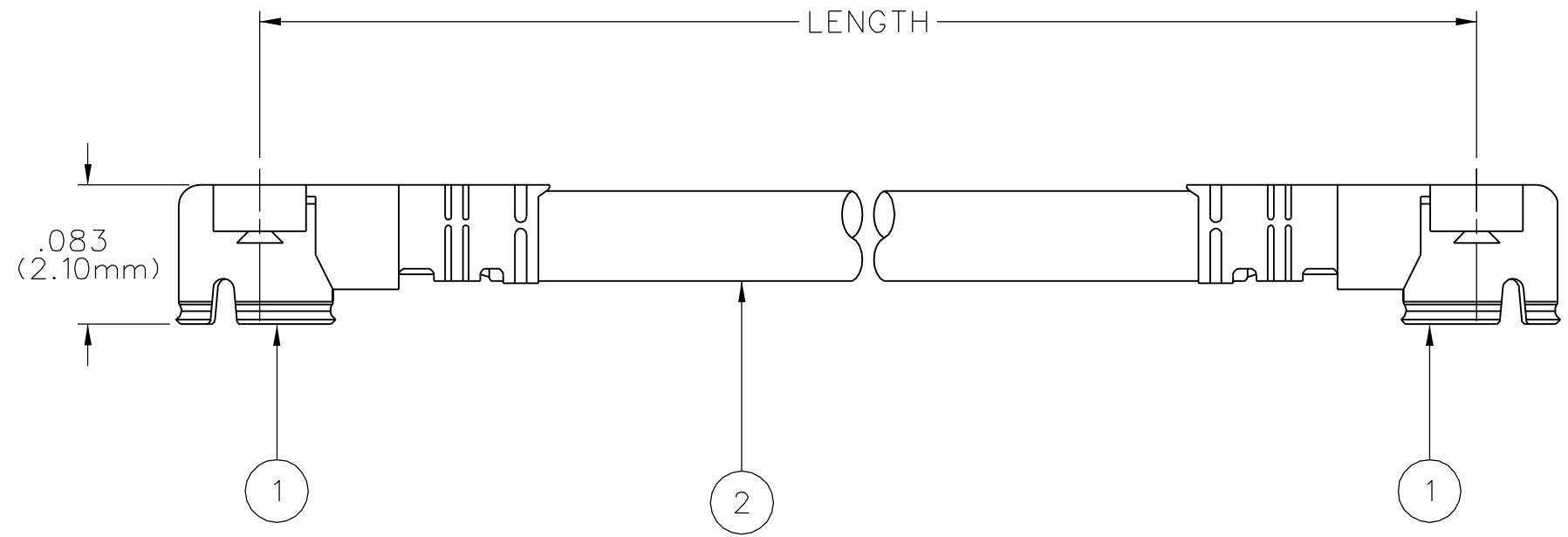
ITEM ①
 UMC RIGHT ANGLE PLUG CONNECTOR, MEDIUM PROFILE
 BODY - COPPER ALLOY - GOLD PLATED
 CONTACT - COPPER ALLOY - GOLD PLATED
 INSULATOR - PBT - BLACK OR NATURAL WHITE, UL94V-0

ITEM ②
 CABLE
 SHIELD - TIN PLATED ANNEALED COPPER WIRE
 DIELECTRIC - FEP
 CENTER CONDUCTOR - SILVER PLATED ANNEALED COPPER WIRE, AWG#30 (7/.004)
 JACKET - FEP - BLACK

DRAWING NO.
 B - 415-0088-001/XXXX
 0 REVISIONS
 JACKET - FEP - BLACK WAS WHITE

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

 1b 3-26-07 PAT 4-23-07
 T B J M J 4-23-07
 D B J U C N ECN 50953



ADDED P/N: 415-0088-083, BODY - COPPER ALLOY WAS PHOSPHOR BRONZE, CONTACT - COPPER ALLOY WAS BRASS, INSULATOR - PBT - NATURAL WAS LCP - WHITE

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

 1c 1-21-08 PAT 1-25-08
 T B J M R J C 1-25-08
 D B J U B N ECN 51347
 ADD MEDIUM PROFILE TO ITEM 1 BLOCK
 CHANGE INSULATOR COLOR TO NATURAL WHIT
 CHANGE SHIELD MATERIAL TO TIN PLATED
 CHANGE CONNECTOR HEIGHT TO .083
 1d 2-7-11 MS 2-7-11
 S D J R M 2-7-11
 J B J S ECO 52915
 ADDED: BLACK. DELETED VENDOR REFERENCE
 +/- .006 WAS +/- .004
 2 10-3-12 MS 10-17-12
 S J B J U ECO 54381
 ADDED P/N 415-0088-1220
 3 11-26-12 MS 10-27-12
 S J B S J U ECO 54479

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 _____ | ±0.15 | CHECKED BY | DATE |
| .XXX ±.006 | _____ | RJB | 12-13-06 |
| MATL _____ | | APPROVED BY | DATE |
| | | PDW | 12-20-06 |
| FINISH _____ | | RELEASE DATE | 12-20-06 |
| | | U/M | INCH |
| | | SCALE | 10:1 |

EMERSON Network Power
 Connectivity Solutions
 P.O. Box 1732
 Waseca, MN 56093
 1-800-247-8256

TITLE UMC MATING CABLE PLUG
 .098 (2.5mm) MATING HEIGHT
 .054 (1.37mm) CABLE O.D.

SHEET 2 OF 2
 DRAWING NO. B - 415-0088-001/XXXX

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Emerson Connectivity Solutions:](#)

[415-0088-500](#)