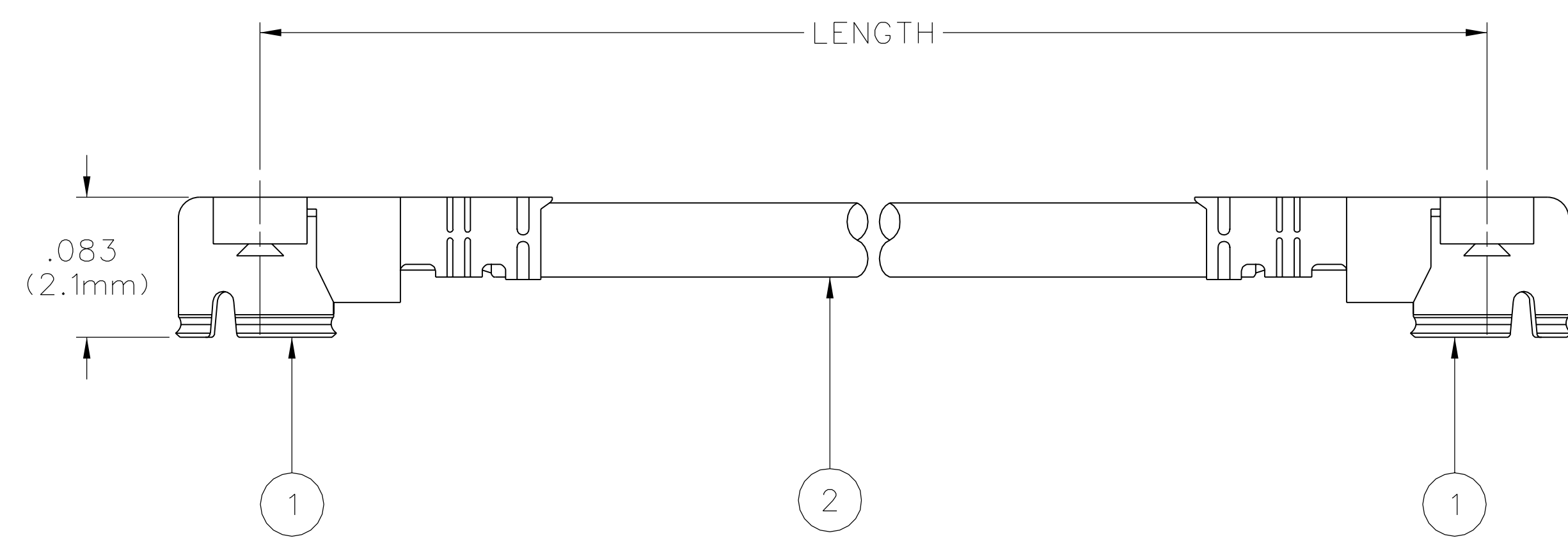


PART NUMBER	LENGTH		ITEM ①	ITEM ②
	INCH	mm	UMC RIGHT ANGLE PLUG CONNECTOR, MEDIUM PROFILE	CABLE
415-0086-050	1.97±.16	50±4	BODY - COPPER ALLOY- GOLD PLATED	SHIELD - TIN PLATED ANNEALED COPPER WIRE
415-0086-100	3.94±.16	100±4	CONTACT - COPPER ALLOY - GOLD PLATED	DIELECTRIC - FEP
415-0086-150	5.91±.16	150±4	INSULATOR - PBT - BLACK, UL94V-0	CENTER CONDUCTOR - SILVER PLATED ANNEALED COPPER WIRE, AWG#32 (7/.003)
415-0086-200	7.87±.16	200±4		JACKET - FEP - BLACK
415-0086-250	9.84±.31	250±8		
415-0086-300	11.81±.31	300±8		
415-0086-500	19.69±.31	500±8		

DRAWING NO. B-415-0086-001/999	
0	REVISIONS
ENGINEERING RELEASE	
1	10-20-06 P A T S B D R J B P D W 12-20-06 ECN 50731
VERSION UPDATE ***** * REVISION NUMBER FOLLOWED BY AN ALPHA * * CHARACTER INDICATES DRAWING CLARIFI- * CATION OR PART NUMBER ADDITION ONLY. * *****	
1a	2-20-07 P A T S B D R J B M J U J C 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 COLOR TO BLACK CHANGE INSULATOR COLOR TO PBT CHANGE SHIELD MATERIAL TO TIN PLATED	
1b	2-7-11 M S S D J R J B M S 2-7-11 ECO 52913



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

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

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TITLE  
 UMC MATING CABLE PLUG  
 .098 (2.5mm) MATING HEIGHT  
 .044 (1.13mm) CABLE O.D.

SHEET  
 2 OF 2

DRAWING NO.  
 B-415-0086-001/999

# Mouser Electronics

Authorized Distributor

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