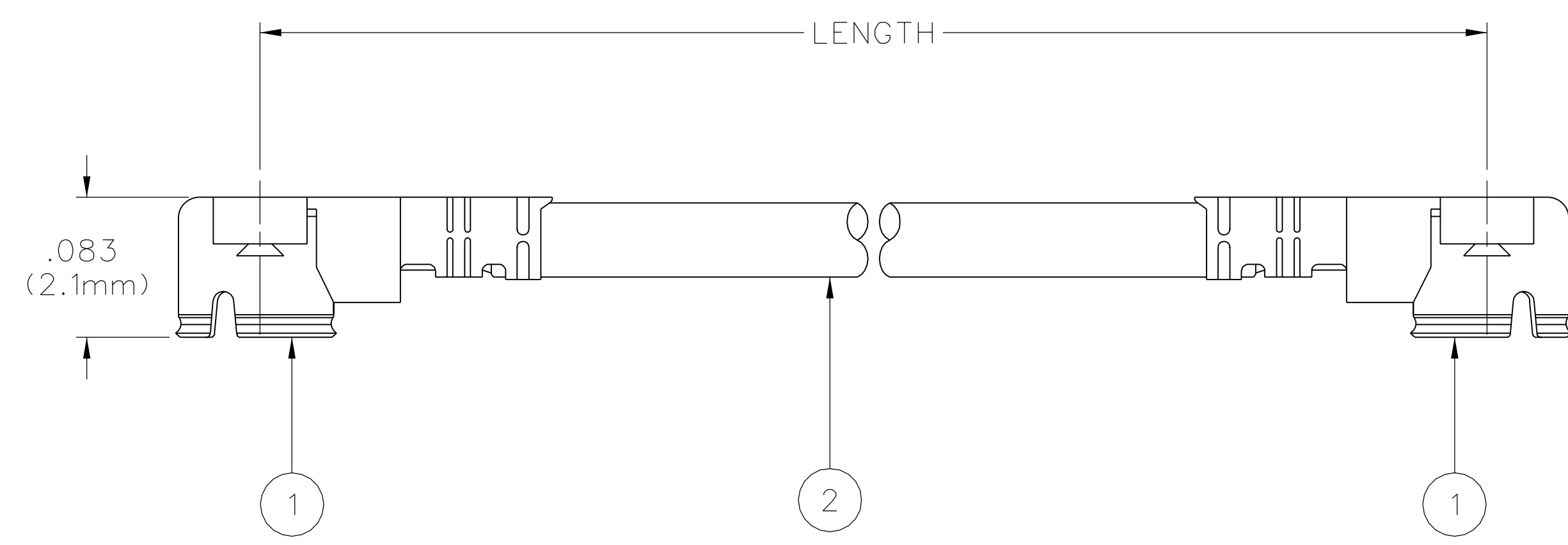


PART NUMBER	LENGTH		ITEM ①	ITEM ②
	INCH	mm	UMC RIGHT ANGLE PLUG CONNECTOR, MEDIUM PROFILE	CABLE
415-0086-050	1.97±.16	50±4	BODY - COPPER ALLOY- GOLD PLATED	SHIELD - TIN PLATED ANNEALED COPPER WIRE
415-0086-100	3.94±.16	100±4	CONTACT - COPPER ALLOY - GOLD PLATED	DIELECTRIC - FEP
415-0086-150	5.91±.16	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	DATE
DECIMALS	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

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

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

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[415-0086-300](#)