

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 A T	S B D	R J B	P D W	12-20-06	ECN 50729
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.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 A T	S B D	R J B	M J C	J U N	2-8-07	ECN 50908
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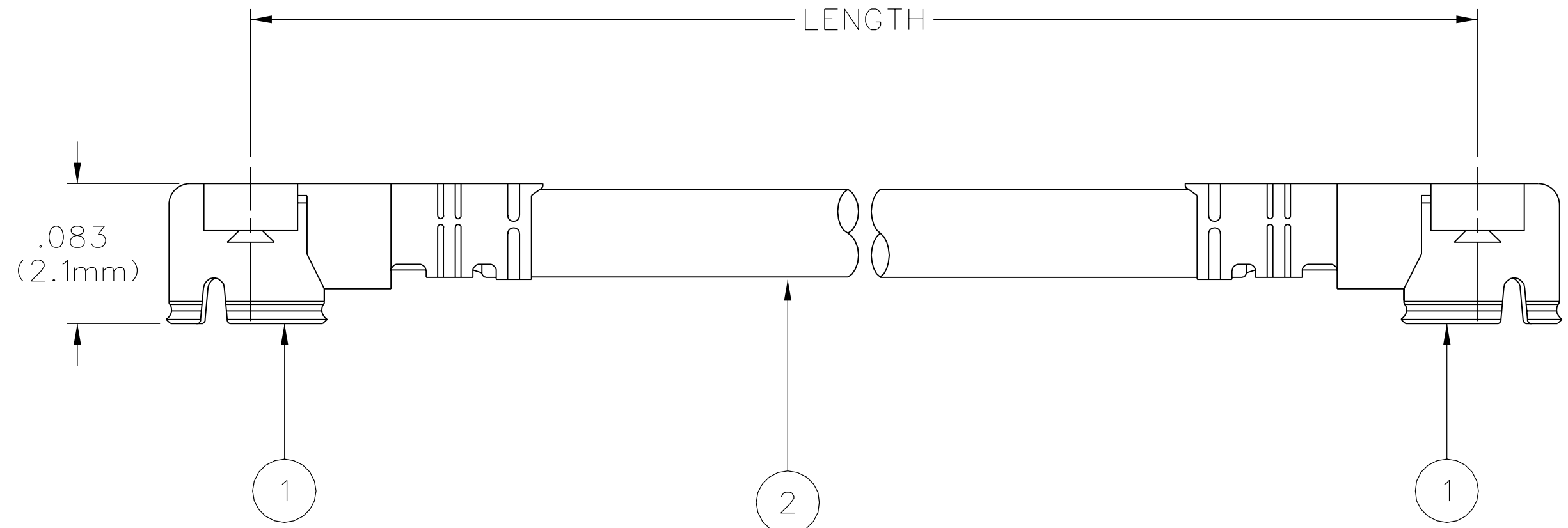
VERSION UPDATE

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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 A T	S B D	R J B	M J C	J U N	4-23-07	ECN 50952
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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 S	S D J	R J B	M S		2-7-11	ECO 52914
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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> CONNECTIVITY SOLUTIONS a bel group</p>	<p>Cinch Connectivity Solutions P.O. Box 1732 Waseca, MN 56093 1-800-247-8256</p>	
	<p>TITLE UMC MATING CABLE PLUG          .098 (2.5mm) MATING HEIGHT          .052 (1.32mm) CABLE O.D.</p>	
<p>SHEET 2 OF 2</p>	<p>DRAWING NO. B-415-0087-001/999</p>	

# Mouser Electronics

Authorized Distributor

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