

	DRAWING NO. B-415-0085-001/999	
0 REVISIONS		
ENGINEERING RELEASE		
110-20-06PATSRJPDW12-20-06ECN 50728		
INSULATOR-LCP BLACK WAS WHITE ***** * REVISION NUMBER FOLLOWED BY AN ALPHA * * CHARACTER INDICATES DRAWING CLARIFI- * * CATION OR PART NUMBER ADDITION ONLY. * *****		
1a2-23-07PASTRJMJCUN4-23-07ECO 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		
1b2-7-11MSDJRJS2-7-11ECO 52912		
CUSTOMER DRAWING THIS DRAWING TO BE INTERPRETED PER ASME Y 14.5M - 1994 "μ STATION" COMPANY CONFIDENTIAL		

PART NUMBER	LENGTH		ITEM ①	ITEM ②
	INCH	mm	UMC RIGHT ANGLE PLUG CONNECTOR, MEDIUM PROFILE	CABLE
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 (.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		

		LENGTH			
.083 (2.1mm)		1	2	1	

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

TOLERANCE UNLESS OTHERWISE SPECIFIED	DRAWN BY PAT	DATE 5-23-06	Connectivity Solutions P.O. Box 1732 Waseca, MN 56093 1-800-247-8256	
DECIMALS .XX _____ mm _____	CHECKED BY RJB	DATE 12-13-06	TITLE UMC MATING CABLE PLUG .098 (2.5mm) MATING HEIGHT .032 (0.81mm) CABLE O.D.	
.XXX ±.004 _____	APPROVED BY PDW	DATE 12-19-06	SHEET 2 OF 2	DRAWING NO. B-415-0085-001/999
MATL _____	RELEASE DATE 12-20-06			
FINISH _____	U/M INCH SCALE 10:1			