

RECTANGULAR POWER CONNECTORS



✓ Active



TE CONNECTIVITY (TE)

03P MINI-UMNL ASSY VO SNNI* MATE-N-LOK | Mini-Universal MATE-N-LOK

1-770170-0 TE Internal Number: 1-770170-0

Always EU RoHS/ELV Compliant

Product Type Header Housing Type Plug Connector System Wire-to-Board Applies To Printed Circuit Board Contact Current Rating (A) 9.5

Product Drawings	HEADER ASSEMBLY, 3 CKT, MINI UNIVERSAL MATE-N-LOK PDF English			
CAD Files	3D PDF PDF English			
	Customer View Model 2D_DXF.ZIP English			
	Customer View Model 3D_IGS.ZIP English			
	Customer View Model 3D_STP.ZIP English			
Catalog Pages/Data Sheets	SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG PDF English			
	1-1773458-0_MINI_UNIVERSAL_MATE_N_LOK_CONNECTOR_SYSTEM_QRG PDF English			
Product Specifications				
Application Specification	Mini-Universal MATE-N-LOK Connectors PDF English			
Product Environmental Compliance				
TE Material Declaration	O3P MINI-UMNL ASSY VO SNNI* PDF English			
	MD_1-770170-0_02262016926_dmtec			



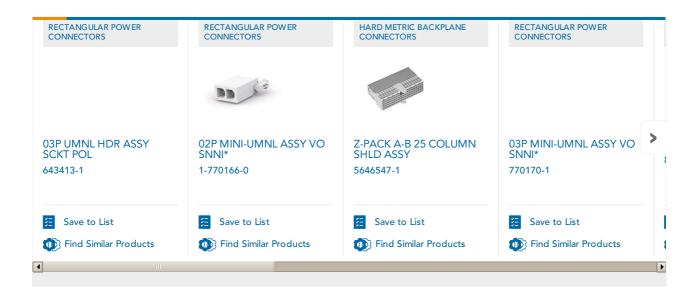
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Please review product documents or **contact us** for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

Product Type FeaturesProduct TypeHeaderHousing TypePlugContact TypePinConfiguration FeaturesNumber of Positions3Centerline4.14 mm [.163 in]PCB Mounting OrientationVerticalNumber of Rows1Multiple Contact TypesWithoutElectrical CharacteristicsContact Current Rating (A)9.5Operating Voltage (VAC)600	
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Electrical Characteristics Contact Current Rating (A) 9.5 Operating Voltage (VAC) 600	
Operating Voltage (VAC) 600	
Operating Voltage (VDC) 600	
Contact Features Contact Retention Without	
Contact Termination Area Plating Material Tin	
Contact Termination Area Plating Thickness 3.81 µm [150 µin]	
Termination Features Wire/Cable Size (AWG) 30 – 16	
Termination Method to Wire/Cable Solder	
Termination Method to PC Board Through Hole - Solder	
Termination Post/Tail Length 3.69 mm [.145 in]	
Mechanical Attachment Mating Alignment With	
Mating Retention With	
PCB Mount Retention With	
PCB Mount Retention Type Boardlocks	
Mating Alignment Type Chamfered Edges	
PCB Mount Alignment Without	
Assembly Integration Feature Without	
Mating Retention Type Locking Tab	

	r and mount recention	
	Strain Relief	Without
Housing Features	UL Flammability Rating	UL 94V-0
	Housing Color	White
	Housing Material	Nylon GF
Dimensions	Insulation Diameter (Max)	3.2 mm [.126 in]
	Width (mm)	13.49
	Height (mm)	6.35
	PCB Thickness (Recommended)	1.57 mm [.062 in]
	Length (mm)	17.83
Usage Conditions	Sealed Condition	Not Sealed
Operation/Application	Connector System	Wire-to-Board
	Applies To	Printed Circuit Board
	Operating Temperature	-20 – 105 °C [-4 – 221 °F]
ndustry Standards	Glow Wire Rating	Standard Part - Not Glow Wire
	VDE Tested	Yes
	CSA Rating	Certified
	Agency/Standard Number	E28476
	UL Rating	Recognized
	CSA File Number	LR7189
	Agency/Standard	CSA, UL
Packaging Features	Packaging Method	Bag
	Packaging Quantity	200
Other	For Use With	Plug Housing
Product Compliance	Statement of Compliance PDF	

VIEW ALL PRODUCT COMPLIANCE



Products - 2 Results		View All	Compare 0/10	
Relation Type	•			
RELATIONSHIP Mating Products Used to identify Mating Parts			See All Mating Pro	ducts
200	PRODUCT - MATING PRODUCTS			~
	Connectors - Rectangular Power Connectors MATE-N-LOK Mini-Universal MATE-N-LOK 3 CIR UNIV M-N-L PLUG	Always EU RoHS/ELV Compl Product Type Housing	iant	
	- 172166-1 TE INTERNAL NUMBER: 172166-1 ALIAS ID: 2-42939-6012	Housing Type Plug Connector System Wire-to- '	Wire	
	✓ Active	Applies To Wire/Cable		

RELATIONSHIP **Mating Products** Used to identify Mating Parts

PRODUCT - MATING PRODUCTS



Connectors - Rectangular Power Connectors MATE-N-LOK | Mini-Universal MATE-N-LOK 2 03P MINI UMNL2 PLUG HSG UL94V0 - 794186-1 TE INTERNAL NUMBER: 794186-1

✓ Active

Always EU RoHS/ELV Compliant

See All Mating Products

Number of Positions 3

Product Type Housing Housing Type **Plug** Connector System Wire-to-Wire Applies To Wire/Cable

Number of Positions 3