

## **RECTANGULAR POWER CONNECTORS**



















**PRODUCT DRAWING** 



3D PDF



## 02P MINI UMNL ASSY VO SNAU LF

MATE-N-LOK | Mini-Universal MATE-N-LOK

1-770166-1

TE Internal Number: 1-770166-1

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, 2 CKT, MINI UNIVERSAL MATE-N-LOK

PDF **English** 

**CAD Files** 

3D PDF

PDF English

Customer View Model

3D\_IGS.ZIP English

**Customer View Model** 

3D\_STP.ZIP English

Customer View Model

2D DXF.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

MD\_1-770166-1\_02262016926\_dmtec

PDF **English** 

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

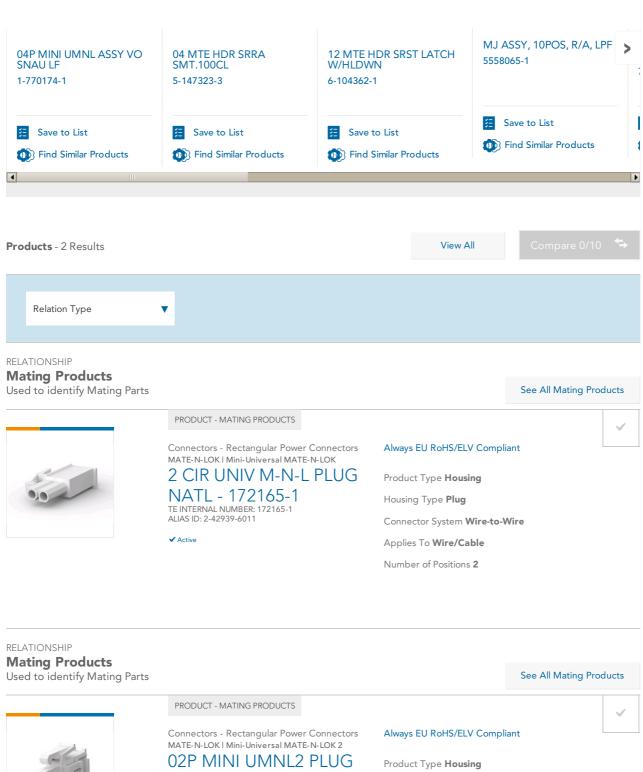
Product Type Features	Product Type	Header
	Housing Type	Plug
	Contact Type	Pin
Configuration Features	Number of Positions	2
	Centerline	4.14 mm [ .163 in ]
	PCB Mounting Orientation	Vertical
	Number of Rows	1
	Multiple Contact Types	Without
	Contact Layout	Inline
Electrical Characteristics	Contact Current Rating (A)	9.5
	Operating Voltage (VAC)	600
	Operating Voltage (VDC)	600
Contact Features	Contact Retention	Without
	Contact Termination Area Plating Material	Tin
	Contact Mating Area Plating Material	Gold
	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
		Without
	Assembly Integration Feature	
	Mating Retention Type	Locking Tab
	Panel Mount Retention	Without

	Strain Relief Without		
Housing Features	UL Flammability Rating  Housing Color  Housing Material	UL 94V-0 White Nylon	
Dimensions	Insulation Diameter (Max) PCB Thickness (Recommended)	3.2 mm [ .126 in ] 1.57 mm [ .062 in ]	
Usage Conditions	Sealed Condition	Not Sealed	
Operation/Application	Connector System  Applies To  Operating Temperature	Wire-to-Board  Printed Circuit Board  -55 – 105 °C [-67 – 221 °F]	
Industry Standards	Glow Wire Rating  VDE Tested  CSA Rating  Agency/Standard Number  UL Rating  CSA File Number  Agency/Standard	Standard Part - Not Glow Wire  Yes  Certified  E28476  Recognized  LR7189  CSA, UL	
Packaging Features	Packaging Method Packaging Quantity	Bag 200	
Other	For Use With	Plug Housing	
Product Compliance	Statement of Compliance		

## CUSTOMERS ALSO BOUGHT

RECTANGULAR POWER CONNECTORS	WIRE-TO-BOARD HEADERS & RECEPTACLES	WIRE-TO-BOARD HEADERS & RECEPTACLES	RJ45 CONNECTORS

VIEW ALL PRODUCT COMPLIANCE





HSG UL94V0 - 794184-1 TE INTERNAL NUMBER: 794184-1

✓ Active

Housing Type **Plug** 

Connector System Wire-to-Wire

Applies To Wire/Cable

Number of Positions 2