

# **RECTANGULAR POWER CONNECTORS**



PRODUCT DRAWING

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English

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# TE CONNECTIVITY (TE)

10P MINI UMNL R/A HDR ASSY SN

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



TE Internal Number: 1-770971-0

Always EU RoHS/ELV Compliant

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

Product Drawings	HEADER ASSEMBLY, RIGHT ANGLE, WITH SHORT PEG, 10 CIRCUIT, MINI UNIVERSAL MATE-N-LOK(TM) <sup>PDF</sup> English
CAD Files	Customer View Model 2D_DXF.ZIP English
	3D PDF PDF 3D
	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
	Mini-Universal MATE-N-LOK Splash-Proof Sealed Connectors PDF English

## Product Environmental Compliance

MD\_1-770971-0\_02262016925\_dmtec PDF...

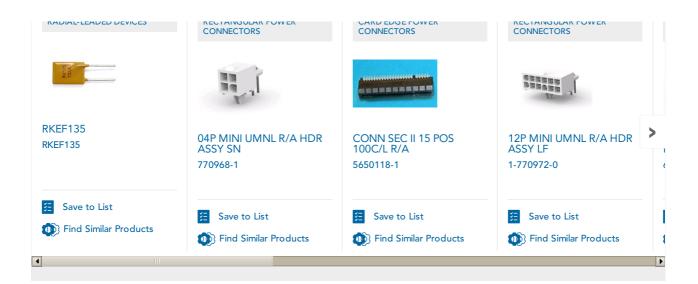
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Please review product documents or **contact us** for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

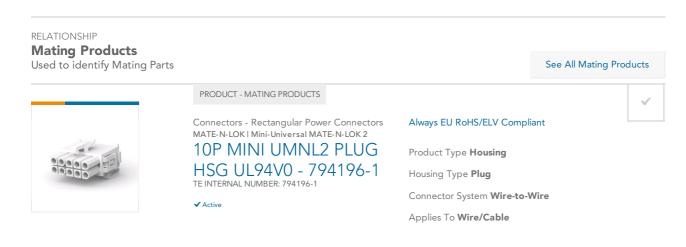
Product Type Features	Product Type	Header
	Housing Type	Plug
	Contact Type	Pin
Configuration Features	Number of Positions	10
	Centerline	4.14 mm [ .163 in ]
	PCB Mounting Orientation	Right Angle
	Number of Rows	
		2
	Row-to-Row Spacing	4.14 mm [ .163 in ]
	Multiple Contact Types	Without
Electrical Characteristics	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 Termination Area Plating Thickness	3.81 µm [ 150 µin ]
Termination Features	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
	Panel Mount Retention	Without
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	Strain Relief	Without
Housing Features	UL Flammability Rating Housing Color Housing Material	UL 94V-0 White Nylon
Dimensions	Width (mm) Height (mm) PCB Thickness (Recommended) Length (mm) Insulation Diameter (Max) (mm)	12.7 11.86 1.57 mm [ .062 in ] 22.28 3.2
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 PDF VIEW ALL PRODUCT COMPLIANCE	

# CUSTOMERS ALSO BOUGHT



Products - 3 Results		View All	Compare 0/10	
Relation Type	•			
RELATIONSHIP <b>Mating Products</b> Used to identify Mating Parts			See All Mating Proc	ducts
	PRODUCT - MATING PRODUCTS Connectors - Rectangular Power Connectors MATE-N-LOK I Mini-Universal MATE-N-LOK 10P MINI UMNL PLUG HSG - 794781-1 TE INTERNAL NUMBER: 794781-1	Always EU RoHS/ELV Compli Product Type Housing Housing Type Plug Connector System Wire-to-V Applies To Wire/Cable Number of Positions 10		~
	PRODUCT - MATING PRODUCTS Connectors - Rectangular Connector Seals MATE-N-LOK I Mini-Universal MATE-N-LOK 10P MINI UMNL SEAL, DIE CUT - 1-794772-0 TE INTERNAL NUMBER: 1-794772-0	Always EU RoHS/ELV Compli Accessory Type Interface Se		~



✓ Active

### RELATIONSHIP Mating Products Used to identify Mating Parts

PRODUCT - MATING PRODUCTS

Connectors - Rectangular Power Connectors MATE-N-LOK | Mini-Universal MATE-N-LOK 10P MINI UMNL PLUG HSG - 770580-1

HSG - 770580-1 TE INTERNAL NUMBER: 770580-1 ALIAS ID: 0-0770580-1

✓ Active

### Always EU RoHS/ELV Compliant

Product Type **Housing** Housing Type **Plug** 

Connector System Wire-to-Wire

Applies To Wire/Cable

Number of Positions 10

See All Mating Products