



# RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

## 04P MINI UMNL R/A HDR ASSY LF

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

1-770968-1

TE Internal Number: 1-770968-1

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**

Active

PRODUCT DRAWING  
English

3D PDF

### Product Drawings

HEADER ASSEMBLY, RIGHT ANGLE, WITH SHORT PEG, 4 CIRCUIT, MINI UNIVERSAL MATE-N-LOK(TM)

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

Mini-Universal MATE-N-LOK Splash-Proof Sealed Connectors  
PDF  
English

### Product Environmental Compliance

TE Material Declaration

MD\_1-770968-1\_02262016923\_dmtec  
PDF

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	<b>Header</b>
	Housing Type	<b>Plug</b>
	Contact Type	<b>Pin</b>
Configuration Features	Number of Positions	<b>4</b>
	Centerline	<b>4.14 mm [ .163 in ]</b>
	PCB Mounting Orientation	<b>Right Angle</b>
	Number of Rows	<b>2</b>
	Row-to-Row Spacing	<b>4.14 mm [ .163 in ]</b>
	Multiple Contact Types	<b>Without</b>
Electrical Characteristics	Contact Current Rating (A)	<b>9.5</b>
	Operating Voltage (VAC)	<b>600</b>
	Operating Voltage (VDC)	<b>600</b>
Contact Features	Contact Retention	<b>Without</b>
	Contact Termination Area Plating Material	<b>Tin</b>
	Contact Termination Area Plating Thickness	<b>3.81 <math>\mu</math>m [ 150 <math>\mu</math>m ]</b>
Termination Features	Termination Method to Wire/Cable	<b>Solder</b>
	Termination Method to PC Board	<b>Through Hole - Solder</b>
	Termination Post/Tail Length	<b>3.69 mm [ .145 in ]</b>
Mechanical Attachment	Mating Alignment	<b>With</b>
	Mating Retention	<b>With</b>
	PCB Mount Retention	<b>With</b>
	PCB Mount Retention Type	<b>Boardlocks</b>
	Mating Alignment Type	<b>Chamfered Edges</b>
	PCB Mount Alignment	<b>Without</b>
	Assembly Integration Feature	<b>Without</b>
	Mating Retention Type	<b>Locking Tab</b>
	Panel Mount Retention	<b>Without</b>

	Strain Relief	<b>Without</b>
Housing Features	UL Flammability Rating	<b>UL 94V-0</b>
	Housing Color	<b>White</b>
	Housing Material	<b>Nylon</b>
Dimensions	Width (mm)	<b>12.7</b>
	Height (mm)	<b>11.86</b>
	PCB Thickness (Recommended)	<b>1.57 mm [ .062 in ]</b>
	Length (mm)	<b>9.86</b>
Usage Conditions	Sealed Condition	<b>Not Sealed</b>
Operation/Application	Connector System	<b>Wire-to-Board</b>
	Applies To	<b>Printed Circuit Board</b>
	Operating Temperature	<b>-55 – 105 °C [ -68 – 221 °F ]</b>
Industry Standards	Glow Wire Rating	<b>Standard Part - Not Glow Wire</b>
	VDE Tested	<b>Yes</b>
	CSA Rating	<b>Certified</b>
	Agency/Standard Number	<b>E28476</b>
	UL Rating	<b>Recognized</b>
	CSA File Number	<b>LR7189</b>
	Agency/Standard	<b>CSA, UL</b>
Packaging Features	Packaging Method	<b>Bag</b>
	Packaging Quantity	<b>200</b>
Other	For Use With	<b>Plug Housing</b>
Product Compliance	<a href="#">Statement of Compliance</a> PDF <a href="#">VIEW ALL PRODUCT COMPLIANCE</a>	

Relation Type ▼

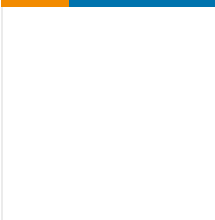
RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Rectangular Power Connectors  
MATE-N-LOK I Mini-Universal MATE-N-LOK 2  
**04P MINI UMNL2 PLUG  
HSG UL94V0 - 794188-1**  
TE INTERNAL NUMBER: 794188-1

✓ Active

Always EU RoHS/ELV Compliant

Product Type **Housing**

Housing Type **Plug**

Connector System **Wire-to-Wire**

Applies To **Wire/Cable**

Number of Positions **4**



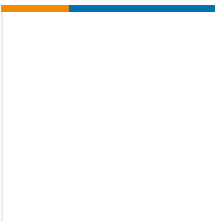
RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Rectangular Power Connectors  
MATE-N-LOK I Mini-Universal MATE-N-LOK  
**4 CIR UNIV M-N-L PLUG  
- 172167-1**  
TE INTERNAL NUMBER: 172167-1

✓ Active

Always EU RoHS/ELV Compliant

Product Type **Housing**

Housing Type **Plug**

Connector System **Wire-to-Wire**

Applies To **Wire/Cable**

Number of Positions **4**



RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Rectangular Power Connectors  
MATE-N-LOK I Mini-Universal MATE-N-LOK  
**4 CIR UMNL PLUG,  
ROUND HOLES  
- 794805-1**  
TE INTERNAL NUMBER: 794805-1

✓ Active

Always EU RoHS/ELV Compliant

Product Type **Housing**

Housing Type **Plug**

Connector System **Wire-to-Wire**

Applies To **Wire/Cable**

Number of Positions **4**



PRODUCT - MATING PRODUCTS



Connectors - Rectangular Connector Seals  
MATE-N-LOK I Mini-Universal MATE-N-LOK  
**04P MINI UMNL SEAL,  
DIE CUT - 794772-4**  
TE INTERNAL NUMBER: 794772-4

✓ Active

Always EU RoHS/ELV Compliant

Accessory Type **Interface Seal**



