



RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

10P MINI UMNL R/A HDR ASSY SN

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

1-770971-0

TE Internal Number: 1-770971-0

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**

✓ Active

↓ **PRODUCT DRAWING**
English

↓ **3D PDF**

Product Drawings

[HEADER ASSEMBLY, RIGHT ANGLE, WITH SHORT PEG, 10 CIRCUIT, MINI UNIVERSAL MATE-N-LOK\(TM\)](#)

PDF
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

TE Material Declaration

[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 μm]
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

Strain Relief

Without

Housing Features

UL Flammability Rating

UL 94V-0

Housing Color

White

Housing Material

Nylon

Dimensions

Width (mm)

12.7

Height (mm)

11.86

PCB Thickness (Recommended)

1.57 mm [.062 in]

Length (mm)

22.28

Insulation Diameter (Max) (mm)

3.2

Usage Conditions

Sealed Condition

Not Sealed

Operation/Application

Connector System

Wire-to-Board

Applies To

Printed Circuit Board

Operating Temperature

-55 – 105 °C [-67 – 221 °F]

Industry 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](#)





CUSTOMERS ALSO BOUGHT

RADIAL LEADED DEVICES

RECTANGULAR POWER

CARD EDGE POWER

RECTANGULAR POWER

<p>RADIAL-LEADED DEVICES</p>  <p>RKEF135 RKEF135</p> <p>Save to List Find Similar Products</p>	<p>RECTANGULAR POWER CONNECTORS</p>  <p>04P MINI UMNL R/A HDR ASSY SN 770968-1</p> <p>Save to List Find Similar Products</p>	<p>CARD EDGE POWER CONNECTORS</p>  <p>CONN SEC II 15 POS 100C/L R/A 5650118-1</p> <p>Save to List Find Similar Products</p>	<p>RECTANGULAR POWER CONNECTORS</p>  <p>12P MINI UMNL R/A HDR ASSY LF 1-770972-0</p> <p>Save to List Find Similar Products</p>
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Products - 3 Results

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Compare 0/10



Relation Type ▼

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)


	<p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - Rectangular Power Connectors MATE-N-LOK I Mini-Universal MATE-N-LOK</p> <p>10P MINI UMNL PLUG HSG - 794781-1 TE INTERNAL NUMBER: 794781-1</p> <p>✓ Active</p> <p>Always EU RoHS/ELV Compliant</p> <p>Product Type Housing</p> <p>Housing Type Plug</p> <p>Connector System Wire-to-Wire</p> <p>Applies To Wire/Cable</p> <p>Number of Positions 10</p>
	<p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - Rectangular Connector Seals MATE-N-LOK I Mini-Universal MATE-N-LOK</p> <p>10P MINI UMNL SEAL, DIE CUT - 1-794772-0 TE INTERNAL NUMBER: 1-794772-0</p> <p>✓ Active</p> <p>Always EU RoHS/ELV Compliant</p> <p>Accessory Type Interface Seal</p>

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

	<p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - Rectangular Power Connectors MATE-N-LOK I Mini-Universal MATE-N-LOK 2</p> <p>10P MINI UMNL2 PLUG HSG UL94V0 - 794196-1 TE INTERNAL NUMBER: 794196-1</p> <p>✓ Active</p> <p>Always EU RoHS/ELV Compliant</p> <p>Product Type Housing</p> <p>Housing Type Plug</p> <p>Connector System Wire-to-Wire</p> <p>Applies To Wire/Cable</p>
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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

10P MINI UMNL PLUG

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**

