



## RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

### 10P MINI UMNL PLUG HSG

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

770580-1

TE Internal Number: 770580-1  
Alias ID: 0-0770580-1

Always EU RoHS/ELV Compliant

Product Type **Housing**

Housing Type **Plug**

Connector System **Wire-to-Wire**

Applies To **Wire/Cable**

Number of Positions **10**

Active

PRODUCT DRAWING  
English

3D PDF

#### Product Drawings

[PLUG, 10 CIRCUIT, MINI UNIVERSAL MATE-N-LOK](#)

PDF  
English

#### CAD Files

[3D PDF](#)

PDF  
3D

[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\\_ORG](#)

PDF  
English

#### Product Specifications

Application Specification

[Mini-Universal MATE-N-LOK Connectors](#)

PDF  
English

#### Instruction Sheets

Instruction Sheet (U.S.)

[Mini-Universal MATE-N-LOK Connectors](#)

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	<b>Housing</b>
	Housing Type	<b>Plug</b>
	Contact Type	<b>Socket</b>
Configuration Features	Number of Positions	<b>10</b>
	Centerline	<b>4.14 mm [ .163 in ]</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	Operating Voltage (VAC)	<b>600</b>
	Operating Voltage (VDC)	<b>600</b>
Contact Features	Contact Retention	<b>Without</b>
Mechanical Attachment	Panel Mount Retention	<b>Without</b>
	Assembly Integration Feature	<b>Without</b>
Housing Features	UL Flammability Rating	<b>UL 94V-0</b>
	Housing Color	<b>Natural</b>
	Housing Material	<b>Nylon 6/6</b>
Usage Conditions	Sealed Condition	<b>Not Sealed</b>
Operation/Application	Connector System	<b>Wire-to-Wire</b>
	Applies To	<b>Wire/Cable</b>
	Operating Temperature	<b>-20 – 105 °C [ -4 – 221 °F ]</b>
Industry Standards	Glow Wire Rating	<b>Standard Part - Not Glow Wire</b>
	UL Rating	<b>Recognized</b>
	VDE Tested	<b>Yes</b>
	CSA Rating	<b>Certified</b>
	CSA File Number	<b>LR7189</b>
	Agency/Standard Number	<b>E28476</b>

Agency/Standard

CSA, UL

Packaging Features

Packaging Method

Package

Packaging Quantity

1

Other

For Use With





Mini-Universal MATE-N-LOK Cap Housing

Product Compliance

[Statement of Compliance PDF](#)

[VIEW ALL PRODUCT COMPLIANCE](#)

## CUSTOMERS ALSO BOUGHT

<p>RECTANGULAR CONNECTOR SEALS</p>  <p>06P MINIUMNL GANG WIRE SEAL DR 1586359-6</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	<p>POWER CONTACTS</p>  <p>MINI UMNL SOK 26-22 AWG AU 1-770902-0</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	<p>RECTANGULAR POWER CONNECTORS</p>  <p>10P MINI UMNL HDR ASSY AU LF 1-770858-1</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	<p>POWER CONTACTS</p>  <p>MINI UMNL SOK 26-22 AWG AU LP 1-770986-0</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>
--	--	--	---

Products - 90 Results

[View All](#)

[Compare 0/10](#)

Relation Type ▼

RELATIONSHIP

### Contacts

Identifies Contacts compatible with a given Housing

[See All Contacts](#)

PRODUCT - CONTACTS



Connectors - Power Contacts  
MATE-N-LOK | Mini-Universal MATE-N-LOK  
**MINI UMNL PIN 22-18 AWG SN - 770903-1**  
TE INTERNAL NUMBER: 770903-1  
ALIAS ID: DUL-PIN-22-18AW-S/M-UMNL, E25278-000

✓ Active

Always EU RoHS/ELV Compliant

Product Type **Contact**

Contact Current Rating **11.2 A**

Operating Voltage **600 VAC**

Operating Voltage **600 VDC**

Wire/Cable Size **22 - 18 AWG**



RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



### PRODUCT - MATING PRODUCTS

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

## 10P MINI UMNL R/A HDR ASSY LF - 1-770971-1

TE INTERNAL NUMBER: 1-770971-1

✓ Active

Always EU RoHS/ELV Compliant

Product Type **Header**

Housing Type **Plug**

Connector System **Wire-to-Board**

Applies To **Printed Circuit Board**

Contact Current Rating **9.5 A**



RELATIONSHIP

## Contacts

Identifies Contacts compatible with a given Housing

[See All Contacts](#)



### PRODUCT - CONTACTS

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

## MINI UNIVERSAL M-N-L PIN LP - 170363-1

TE INTERNAL NUMBER: 170363-1

✓ Active

Always EU RoHS/ELV Compliant

Product Type **Contact**

Contact Current Rating **7 A**

Operating Voltage **600 VAC**

Operating Voltage **600 VDC**

Wire/Cable Size **26 - 22 AWG**

