



# RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

## 12P MINI UMNL PLUG HSG

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

770581-1

TE Internal Number: 770581-1

Alias ID: 0-0770581-1

Always EU RoHS/ELV Compliant

Product Type **Housing**

Housing Type **Plug**

Connector System **Wire-to-Wire**

Applies To **Wire/Cable**

Number of Positions **12**

Active

PRODUCT DRAWING  
English

3D PDF

### Product Drawings

[PLUG, 12 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

### Product Environmental Compliance

TE Material Declaration

[MD\\_770581-1\\_06142011834](#)

PDF  
English

### Instruction Sheets

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>12</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>White</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 Certified	<b>Yes</b>

CSA Rating	<b>Certified</b>
CSA File Number	<b>LR7189</b>
Agency/Standard Number	<b>E28476</b>
Agency/Standard	<b>CSA, UL</b>

Packaging Features	Packaging Method	<b>Package</b>
	Packaging Quantity	<b>1</b>

Other	For Use With	<b>Mini-Universal MATE-N-LOK Cap Housing</b>
-------	--------------	--

Product Compliance

[Statement of Compliance PDF](#)

[VIEW ALL PRODUCT COMPLIANCE](#)

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 I Mini-Universal MATE-N-LOK  
**MINI UMNL SOCK 26-22  
AWG SN - 770902-4**  
TE INTERNAL NUMBER: 770902-4

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 **26 - 22 AWG**



RELATIONSHIP

### Contacts

Identifies Contacts compatible with a given Housing

[See All Contacts](#)

PRODUCT - CONTACTS



Connectors - Power Contacts  
MATE-N-LOK I Mini-Universal MATE-N-LOK  
**MINI UMNL SOK CONT  
22-18AWG AU  
- 770904-6**  
TE INTERNAL NUMBER: 770904-6

Active

Always EU RoHS/ELV Compliant

Product Type **Contact**

Contact Current Rating **11.2 A**

Operating Voltage **600 VAC**

Operating Voltage **600 VDC**



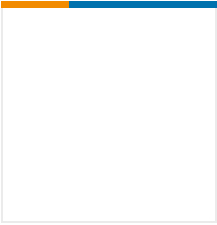
RELATIONSHIP

**Contacts**

Identifies Contacts compatible with a given Housing

[See All Contacts](#)

PRODUCT - CONTACTS



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

**UNIV M-N-L SOC. 26-22**

**AWG - 170361-1**

TE INTERNAL NUMBER: 170361-1  
ALIAS ID: 0-0170361-1

✓ Active

Always EU RoHS/ELV Compliant

Product Type **Contact**

Contact Current Rating **7 A**

Operating Voltage **600 VDC**

Wire/Cable Size **26 – 22 AWG**

Wire/Cable Size **.12 – .35 mm<sup>2</sup>**

