



# RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

## 1 CIR UNIV M-N-L PLUG

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

172164-1

TE Internal Number: 172164-1

Always EU RoHS/ELV Compliant

Product Type **Housing**

Housing Type **Plug**

Connector System **Wire-to-Wire**

Applies To **Wire/Cable**

Number of Positions **1**

Active

PRODUCT DRAWING  
English

3D PDF

### Product Drawings

[1P PLUG MINI UNIVERSAL M-N-L CONN.](#)

PDF (TIFF AVAILABLE)  
English

[1P PLUG MINI UNIVERSAL M-N-L CONN.](#)

PDF (TIFF AVAILABLE)  
English

### CAD Files

[Customer View Model](#)

2D\_DXF.ZIP  
English

[Customer View Model](#)

3D\_IGS.ZIP  
English

[Customer View Model](#)

3D\_STP.ZIP  
English

[3D PDF](#)

PDF  
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

Product Specification

[Mini-Universal MATE-N-LOK Connector\(UL 94V-0 Grade\)](#)

TIF  
English

[Mini-Universal MATE-N-LOK Connector\(UL 94V-0 Grade\)](#)

PDF  
English

Application Specification

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

PDF  
English

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## Product Environmental Compliance

TE Material Declaration

[MD\\_172164-1\\_04032015233\\_dmtec](#)  
PDF  
English

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## 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.

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### Product Type Features

Product Type	<b>Housing</b>
Housing Type	<b>Plug</b>
Contact Type	<b>Socket</b>

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### Configuration Features

Number of Positions	<b>1</b>
Number of Rows	<b>1</b>
Multiple Contact Types	<b>Without</b>
Contact Layout	<b>Inline</b>

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### Electrical Characteristics

Operating Voltage (VAC)	<b>600</b>
Operating Voltage (VDC)	<b>600</b>

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### Contact Features

Contact Retention	<b>Without</b>
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### Mechanical Attachment

Assembly Integration Feature	<b>Without</b>
Panel Mount Retention	<b>Without</b>

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### Housing Features

UL Flammability Rating	<b>UL 94V-0</b>
Housing Color	<b>Natural</b>
Housing Material	<b>Nylon 6/6</b>

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### Dimensions

Width (mm)	<b>6.9</b>
Length (mm)	<b>23.7</b>

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### Usage Conditions

Sealed Condition	<b>Not Sealed</b>
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### Operation/Application

Connector System	<b>Wire-to-Wire</b>
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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>
	CSA File Number	<b>LR7189</b>
	Agency/Standard	<b>CSA, UL</b>
	VDE Tested	<b>Yes</b>
	CSA Rating	<b>Certified</b>
	Agency/Standard Number	<b>E28476</b>

Packaging Features	Packaging Method	<b>Bag</b>
	Packaging Quantity	<b>500</b>




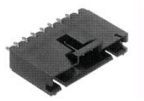
Other	For Use With	<b>Mini-Universal MATE-N-LOK Plug Housing</b>
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Product Compliance

[Statement of Compliance PDF](#)

[VIEW ALL PRODUCT COMPLIANCE](#)

## CUSTOMERS ALSO BOUGHT

<p>RECTANGULAR POWER CONNECTORS</p>  <p><b>1 CIR UNIV M-N-L CAP 172156-1</b></p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	<p>RECTANGULAR CONNECTOR HOUSINGS</p>  <p><b>DYNAMIC D-3200 WTW TAB HSG 6P 3-179554-3</b></p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	<p>CRIMP QUICK DISCONNECTS</p>  <p><b>.250 FAST TAB BR 41617</b></p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	<p>WIRE-TO-BOARD HEADERS &amp; RECEPTACLES</p>  <p><b>03 MTE HDR SRST LATCH W/HLDWN 103670-2</b></p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>
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Products - 81 Results

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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 U-M-N-L SOCKET CONTACT - 171637-1

TE INTERNAL NUMBER: 171637-1

✓ 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 **20 – 16 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 UNIVERSAL M-N-L SOCKET LP - 170366-4

TE INTERNAL NUMBER: 170366-4

✓ 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 **22 – 18 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 22-18 AWG AU - 770904-3

TE INTERNAL NUMBER: 770904-3

✓ Active

5 of 6 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**

