



## RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

### 18P MINI UMNL HDR W/O DH SN LF

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

1-794076-0

TE Internal Number: 1-794076-0

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,CLOSED BOTTOM, 18 CIRCUIT,DOUBLE ROW VERTICAL, MINI-UNIVERSAL MATE-N-LOK](#)

PDF  
English

#### CAD Files

[Customer View Model](#)

3D\_IGS.ZIP  
English

[Customer View Model](#)

3D\_STP.ZIP  
English

[Customer View Model](#)

2D\_DXF.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

Application Specification

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

PDF  
English

#### Product Environmental Compliance

TE Material Declaration

[MD\\_1-794076-0\\_02262016932\\_dmtec](#)

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>Header</b> |
|                       | Housing Type | <b>Plug</b>   |
|                       | Contact Type | <b>Pin</b>    |

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|                        |                          |                            |
|------------------------|--------------------------|----------------------------|
| Configuration Features | Number of Positions      | <b>18</b>                  |
|                        | Centerline               | <b>4.14 mm [ .163 in ]</b> |
|                        | PCB Mounting Orientation | <b>Vertical</b>            |
|                        | Number of Rows           | <b>2</b>                   |
|                        | Row-to-Row Spacing       | <b>4.14 mm [ .163 in ]</b> |
|                        | Multiple Contact Types   | <b>Without</b>             |

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|                            |                            |            |
|----------------------------|----------------------------|------------|
| Electrical Characteristics | Contact Current Rating (A) | <b>9.5</b> |
|                            | Operating Voltage (VAC)    | <b>600</b> |
|                            | Operating Voltage (VDC)    | <b>600</b> |

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|                  |  |  |
|------------------|--|--|
| 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>in ]</b> |

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|                      |                                  |                              |
|----------------------|----------------------------------|------------------------------|
| 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>   |

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|                       |                              |                        |
|-----------------------|------------------------------|------------------------|
| 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>         |

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|                       |                             |                                      |
|-----------------------|-----------------------------|--------------------------------------|
| Housing Features      | UL Flammability Rating      | <b>UL 94V-0</b>                      |
|                       | Housing Color               | <b>White</b>                         |
|                       | Housing Material            | <b>Nylon</b>                         |
| Dimensions            | Width (mm)                  | <b>9.83</b>                          |
|                       | Height (mm)                 | <b>13.49</b>                         |
|                       | PCB Thickness (Recommended) | <b>1.57 mm [ .062 in ]</b>           |
|                       | Length (mm)                 | <b>38.81</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>-20 – 85 °C [ -4 – 185 °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 [Statement of Compliance](#)  
PDF  
[VIEW ALL PRODUCT COMPLIANCE](#)

Products - 2 Results

[View All](#)

Compare 0/10 

Relation Type 

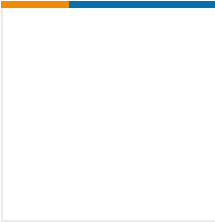
RELATIONSHIP

## 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

**18P MINI UMNL2 PLUG  
HSG UL94V0 - 794208-1**

TE INTERNAL NUMBER: 794208-1

✓ Active

Always EU RoHS/ELV Compliant

Product Type **Housing**

Housing Type **Plug**

Connector System **Wire-to-Wire**

Applies To **Wire/Cable**

Number of Positions **18**



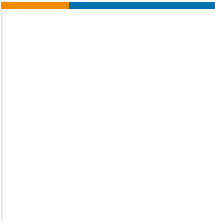
RELATIONSHIP

## 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

**18P MINI UMNL PLUG  
HSG - 770584-1**

TE INTERNAL NUMBER: 770584-1

ALIAS ID: 0-0770584-1

✓ Active

Always EU RoHS/ELV Compliant

Product Type **Housing**

Housing Type **Plug**

Connector System **Wire-to-Wire**

Applies To **Wire/Cable**

Number of Positions **18**

