



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

Connector System: **Wire-to-Board**

Number of Positions: **2**

Centerline (Pitch): **4.14 mm [.162 in]**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Header Type                       | Fully Shrouded        |
| Rectangular Power Connector Type  | Header                |
| Connector & Housing Type          | Receptacle            |
| Connector System                  | Wire-to-Board         |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

|                            |          |
|----------------------------|----------|
| Number of Positions        | 2        |
| PCB Mount Orientation      | Vertical |
| Number of Power Positions  | 2        |
| Number of Signal Positions | 0        |
| Number of Rows             | 1        |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 600 VDC |
|-------------------|---------|



Contact Features

|                                                         |                  |
|---------------------------------------------------------|------------------|
| Multiple Contact Types                                  | Without          |
| PCB Contact Termination Area Plating Material Thickness | 3.81 μm[150 μin] |
| Contact Layout                                          | Inline           |
| Contact Mating Area Plating Material                    | Gold             |
| Contact Current Rating (Max)                            | 9.5 A            |
| Contact Retention Within Housing                        | Without          |
| Contact Type                                            | Pin              |
| PCB Contact Termination Area Plating Material           | Tin-Lead         |
| Contact Mating Area Plating Material Thickness          | .76 μm[30 μin]   |

Termination Features

|                                             |                       |
|---------------------------------------------|-----------------------|
| Termination Post & Tail Length              | 3.69 mm[.145 in]      |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

|                          |                 |
|--------------------------|-----------------|
| Strain Relief            | Without         |
| Mating Alignment Type    | Chamfered Edges |
| Mating Retention         | With            |
| Mating Alignment         | With            |
| PCB Mount Alignment      | Without         |
| Panel Mount Feature      | Without         |
| PCB Mount Retention      | With            |
| PCB Mount Retention Type | Boardlock       |
| Mating Retention Type    | Locking Tab     |
| Connector Mounting Type  | Board Mount     |

Housing Features

|                    |                  |
|--------------------|------------------|
| Centerline (Pitch) | 4.14 mm[.162 in] |
| Housing Color      | White            |
| Housing Material   | Nylon, Nylon GF  |

Dimensions

|                             |                 |
|-----------------------------|-----------------|
| Connector Height            | 13.49 mm        |
| PCB Thickness (Recommended) | .06 mm[1.57 in] |
| Product Width               | 9.83 mm         |



|                |         |
|----------------|---------|
| Product Length | 9.83 mm |
|----------------|---------|

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

|                     |       |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Industry Standards

|                        |                               |
|------------------------|-------------------------------|
| CSA Rating             | Certified, LR 7189            |
| UL Rating              | Recognized                    |
| Agency/Standard        | CSA, UL                       |
| Approved Standards     | UL E28476                     |
| UL Flammability Rating | UL 94V-0                      |
| Glow Wire Rating       | Standard Part - Not Glow Wire |

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 200 |
| Packaging Method   | Bag |

Product Compliance

For compliance documentation, visit the product page on TE.com>

|                                               |                                                                                                                                |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Compliant                                                                                                                      |
| EU ELV Directive 2000/53/EC                   | Compliant                                                                                                                      |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold                                                                                        |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2023 (235)<br>Candidate List Declared Against: JAN 2023 (233)<br>Does not contain REACH SVHC |
| Halogen Content                               | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free                                            |
| Solder Process Capability                     | Wave solder capable to 265°C                                                                                                   |

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part



numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

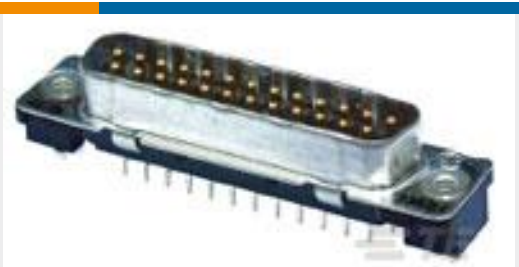
Compatible Parts

|                                                      |                                                   |                                                  |                                                      |
|------------------------------------------------------|---------------------------------------------------|--------------------------------------------------|------------------------------------------------------|
|                                                      |                                                   |                                                  |                                                      |
| TE Part # 794894-1<br>02P MINI UMNL PLUGS WIRE HOLES | TE Part # 794772-2<br>02P MINI UMNL SEAL, DIE CUT | TE Part # 172165-1<br>2 CIR UNIV M-N-L PLUG NATL | TE Part # 794184-1<br>02P MINI UMNL2 PLUG HSG UL94V0 |

Also in the Series | Mini-Universal MATE-N-LOK

|                                 |                                   |                                       |                                  |
|---------------------------------|-----------------------------------|---------------------------------------|----------------------------------|
|                                 |                                   |                                       |                                  |
| Connector Backshells(2)         | Connector Contacts(8)             | Connector Strain Relief(2)            | Insertion & Extraction Tools(1)  |
|                                 |                                   |                                       |                                  |
| PCB Headers & Receptacles(1)    | Power Contacts(84)                | Rectangular Connector Keying Plugs(2) | Rectangular Connector Locking(2) |
|                                 |                                   |                                       |                                  |
| Rectangular Connector Seals(17) | Rectangular Power Connectors(243) |                                       |                                  |

Customers Also Bought



TE Part #3-338310-2  
15POS.HD20 PLUG ASS'Y



TE Part #3-338315-2  
25POS.HD20 REC.ASSY



TE Part #350835-1  
09P UMNL HDR ASSY PC 94VO



TE Part #1982738-2  
Female Connector IEC



TE Part #2042088-2  
Vert.Male, IEC L2



TE Part #2825261-4  
4P VAL-U-LOK HCS VRT HDR W/P V0



TE Part #9-338069-4  
MICRO-MATCH SMD FTE



TE Part #HPP815A533  
HTG3513CH GAS MEASURE SENSOR



TE Part #1-1393236-8  
V23092-A1018-A201



TE Part #1956164-9  
RY900130R (RY211005R)

Documents

Product Drawings

02P MINI UMNL HDR ASSY AU LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-770872-1\_H.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-770872-1\_H.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-770872-1\_H.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages



SOFT\_SHELL\_PIN\_AND\_SOCKET\_CONNECTORS\_CATALOG

English

Product Specifications

Application Specification

English

Product Environmental Compliance

MD\_1-770872-1\_11062017428\_dmtec

English

MD\_1-770872-1\_11062017428\_dmtec

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL

English