



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

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

Number of Positions: **9**

Number of Rows: **3**

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

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Mixed & Hybrid Header             | No                    |
| Connector Shape                   | Rectangular           |
| PCB Connector Assembly Type       | PCB Mount Header      |
| Connector System                  | Wire-to-Board         |
| Header Type                       | Fully Shrouded        |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

|                                  |              |
|----------------------------------|--------------|
| Number of Power Positions        | 9            |
| Number of Columns                | 3            |
| Number of Loaded Positions       | 9            |
| Connector Contact Load Condition | Fully Loaded |
| Number of Positions              | 9            |
| Number of Rows                   | 3            |



|                       |          |
|-----------------------|----------|
| PCB Mount Orientation | Vertical |
|-----------------------|----------|

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 600 VAC |
|-------------------|---------|

Body Features

|                                |       |
|--------------------------------|-------|
| PCB Retention Feature Material | Nylon |
| Primary Product Color          | White |

Contact Features

|                                                         |                               |
|---------------------------------------------------------|-------------------------------|
| Contact Size                                            | 1mm                           |
| PCB Contact Termination Area Plating Material Thickness | 3.81 – 8.89 µm[150 – 350 µin] |
| Contact Layout                                          | Matrix                        |
| Mating Pin Diameter                                     | 1 mm[.039 in]                 |
| Contact Underplating Material Thickness                 | 1.27 µm[50 µin]               |
| Contact Mating Area Plating Material Thickness          | .76 µm[30 µin]                |
| PCB Contact Termination Area Plating Material Finish    | Matte                         |
| Contact Shape & Form                                    | Round                         |
| Contact Underplating Material                           | Nickel                        |
| PCB Contact Termination Area Plating Material           | Tin                           |
| Contact Base Material                                   | Brass                         |
| Contact Mating Area Plating Material                    | Gold                          |
| Contact Type                                            | Pin                           |
| Contact Current Rating (Max)                            | 9.5 A                         |

Termination Features

|                                  |                       |
|----------------------------------|-----------------------|
| Termination Post & Tail Diameter | 1 mm[.039 in]         |
| Termination Post & Tail Length   | 3.69 mm[.145 in]      |
| Termination Method to PCB        | Through Hole - Solder |

Mechanical Attachment

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



|                     |         |
|---------------------|---------|
| Mating Alignment    | With    |
| PCB Mount Alignment | Without |
| PCB Mount Retention | With    |

Housing Features

|                       |                  |
|-----------------------|------------------|
| Mating Entry Location | Top              |
| Housing Material      | Nylon            |
| Centerline (Pitch)    | 4.14 mm[.162 in] |

Dimensions

|                             |                   |
|-----------------------------|-------------------|
| Connector Length            | 19.15 mm[.754 in] |
| Connector Height            | 13.49 mm[.531 in] |
| Connector Width             | 16.03 mm[.631 in] |
| PCB Thickness (Recommended) | 1.57 mm[.062 in]  |
| Profile Height from PCB     | 14.25 mm[.56 in]  |
| Row-to-Row Spacing          | 4.14 mm[.162 in]  |

Usage Conditions

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

Operation/Application

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

Industry Standards

|                                             |                               |
|---------------------------------------------|-------------------------------|
| UL Rating                                   | Recognized                    |
| Glow Wire Rating                            | Standard Part - Not Glow Wire |
| Compatible With Agency/Standards Products   | CSA, UL                       |
| Compatible With Approved Standards Products | UL E28476                     |
| UL Flammability Rating                      | UL 94V-0                      |

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 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<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                     | Not reviewed for solder process capability                                                                                      |

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 # 794194-1  
09P MINI UMN12 PLUG HSG UL94V0

TE Part # 172169-1  
9 CIR UNIV M-N-L PLUG

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

Connector Caps & Covers(2)

Connector Contacts(89)

Connector Hardware(4)

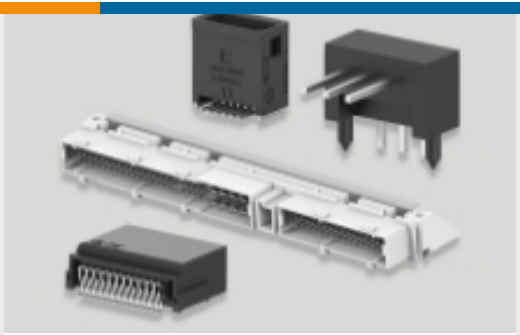
Connector Seals & Cavity Plugs(17)



Connector Strain Relief(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(93)

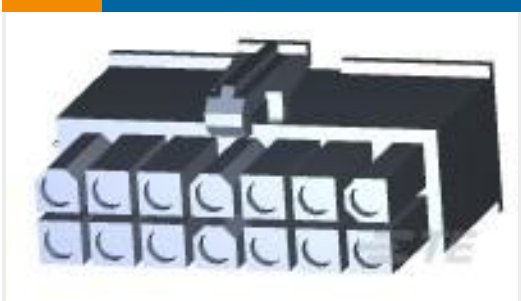


Rectangular Power Connectors(104)

Customers Also Bought



TE Part #1418994-1  
AMP MCP 2.8 HSG.WITH SEC.10POS



TE Part #770582-1  
14P MINI UMNL PLUG HSG



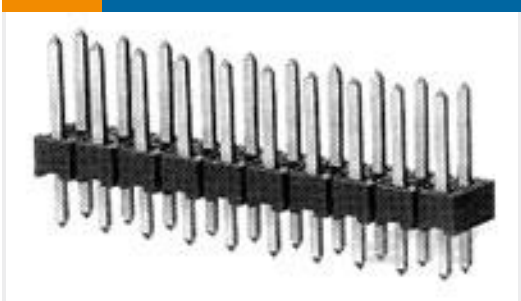
TE Part #1-770858-1  
10P MINI UMNL HDR ASSY AU LF



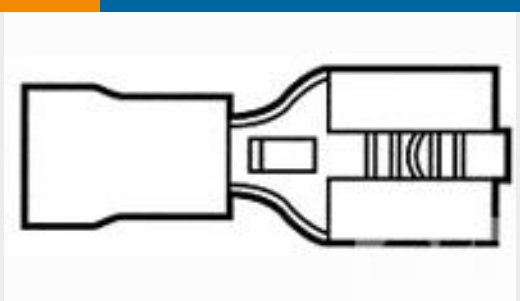
TE Part #1-770874-1  
04P MINI UMNL HDR ASSY AU LF



TE Part #641825-1  
08P UMNL PIN HDR ASSY V2 NATL



TE Part #826632-4  
4P AMPMODU II PIN HDR.



TE Part #9-160313-5  
250 PIDG FASTON REC



TE Part #3-1879354-9  
RR03 5% 12R AMMO



TE Part #53073  
TERMINAL,PIDG R 26-24 6



TE Part #770968-2  
04P MINI UMNL R/A HDR ASSY AU

Documents

Product Drawings

09P MINI UMNL HDR ASSY AU LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-770876-1\_H.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-770876-1\\_H.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-770876-1\\_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

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

Agency Approvals

[UL](#)

English