



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **15**

Number of Rows: **3**

Features

Product Type Features

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

Configuration Features

|                                  |              |
|----------------------------------|--------------|
| Connector Contact Load Condition | Fully Loaded |
| Number of Columns                | 5            |
| Number of Loaded Positions       | 15           |
| Number of Power Positions        | 15           |
| PCB Mount Orientation            | Vertical     |



|                     |    |
|---------------------|----|
| Number of Positions | 15 |
| Number of Rows      | 3  |

Electrical Characteristics

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

Body Features

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

Contact Features

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

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



|                         |             |
|-------------------------|-------------|
| Mating Retention        | With        |
| PCB Mount Retention     | With        |
| PCB Mount Alignment     | Without     |
| Connector Mounting Type | Board Mount |
| Mating Alignment        | With        |

Housing Features

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

Dimensions

|                             |                   |
|-----------------------------|-------------------|
| Row-to-Row Spacing          | 4.14 mm[.162 in]  |
| Connector Width             | 16.03 mm[.631 in] |
| Connector Height            | 13.49 mm[.531 in] |
| Connector Length            | 27.43 mm[1.08 in] |
| PCB Thickness (Recommended) | 1.57 mm[.062 in]  |
| Profile Height from PCB     | 14.25 mm[.56 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

|                                             |                               |
|---------------------------------------------|-------------------------------|
| Compatible With Agency/Standards Products   | CSA, UL                       |
| UL Rating                                   | Recognized                    |
| Compatible With Approved Standards Products | UL E28476                     |
| Glow Wire Rating                            | Standard Part - Not Glow Wire |
| 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: JAN 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<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 # 172171-1  
15 CIR UNIV M-N-L PLUG



TE Part # 794204-1  
15P MINI UMNL2 PLUG HSG UL94V0

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



Connector Caps & Covers(2)

Connector Contacts(89)

Connector Hardware(4)

Power Contacts(89)

Rectangular Connector Housings(104)

Rectangular Power Connectors(196)

Standard Rectangular Connectors(104)

Customers Also Bought

TE Part #1-794040-0  
12P MINI UMNL HDR ASSY SN LF

TE Part #1-794072-0  
24P MINI UMNL HDR W/DH SN

TE Part #1-794079-0  
24P MINI UMNL HDR W/O DH SN LF

TE Part #5-794629-4  
24P MICRO MNL ASSY,R/A,SMT,LF

TE Part #1-794066-0  
12P MINI UMNL HDR W/DH SN LF

TE Part #1-796949-0  
10POS TERMI-BLOK PCB MOUNT

TE Part #1-794065-0  
08P MINI UMNL HDR W/DH SN

TE Part #1761606-6  
IDC LOW PRO HDR 16P VERT LAT BLK

TE Part #796949-6  
6 POS TERMI-BLOK PCB MOUNT

TE Part #6609028-5  
3VK1=F7135 S0

Documents



CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-770190-0\_N.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-770190-0\_N.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-770190-0\_N.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