



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **2**

Number of Rows: **1**

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

|                                  |              |
|----------------------------------|--------------|
| Number of Columns                | 2            |
| Number of Loaded Positions       | 2            |
| Number of Power Positions        | 2            |
| Connector Contact Load Condition | Fully Loaded |
| PCB Mount Orientation            | Right Angle  |



|                     |   |
|---------------------|---|
| Number of Positions | 2 |
| Number of Rows      | 1 |

Electrical Characteristics

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

Body Features

|                       |       |
|-----------------------|-------|
| 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]               |
| PCB Contact Termination Area Plating Material Finish    | Matte                         |
| Contact Size                                            | 1mm                           |
| Contact Mating Area Plating Material Thickness          | 3.81 – 8.89 µm[150 – 350 µin] |
| PCB Contact Termination Area Plating Material Thickness | 3.81 – 8.89 µm[150 – 350 µin] |
| Contact Shape & Form                                    | Round                         |
| Contact Layout                                          | Inline                        |
| Contact Base Material                                   | Brass                         |
| PCB Contact Termination Area Plating Material           | Tin                           |
| Contact Mating Area Plating Material Finish             | Matte                         |
| 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 Retention Type    | Locking Tab     |
| Mating Retention         | With            |
| Mating Alignment Type    | Chamfered Edges |
| PCB Mount Retention Type | Boardlock       |



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

Housing Features

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

Dimensions

|                             |                   |
|-----------------------------|-------------------|
| Connector Width             | 12.7 mm[.5 in]    |
| PCB Thickness (Recommended) | 1.57 mm[.062 in]  |
| Connector Height            | 7.77 mm[.306 in]  |
| Connector Length            | 11.16 mm[.439 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 # 794772-2  
02P MINI UMNL SEAL, DIE CUT



TE Part # 794184-1  
02P MINI UMNL2 PLUG HSG UL94V0



TE Part # 794894-1  
02P MINI UMNL PLUGS WIRE HOLES



TE Part # 794894-3  
02P MINI UMNL PLUGS WIRE HOLES



TE Part # 172165-1  
2 CIR UNIV M-N-L PLUG NATL

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 #87316-7  
MOD I RECP STMPD

TE Part #3-1879223-6  
CPF 0603 549R 0.1% 25PPM 1K RL

TE Part #1-2314918-0  
10P,2MM,B-B,REC,DRHZ,2.1,0.76AU, TB

TE Part #5-2176347-7  
CRGCQ 2010 470K 1%

TE Part #2-1879234-7  
SMF5 6K2 5%

TE Part #2-1879223-9  
CPF 0603 464R 0.1% 25PPM 1K RL

TE Part #1676180-2  
RN 0805 137R 0.1% 10PPM 1KRL

TE Part #1-770969-0  
06P MINI UMNL R/A HDR ASSY SN

TE Part #2176343-5  
CRGCQ 1206 22R 1%

TE Part #5-2176347-5  
CRGCQ 2010 330K 1%

Documents



Product Drawings

02P MINI UMNL R/A HDR ASSY SN

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-770966-0\_D.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-770966-0\_D.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-770966-0\_D.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