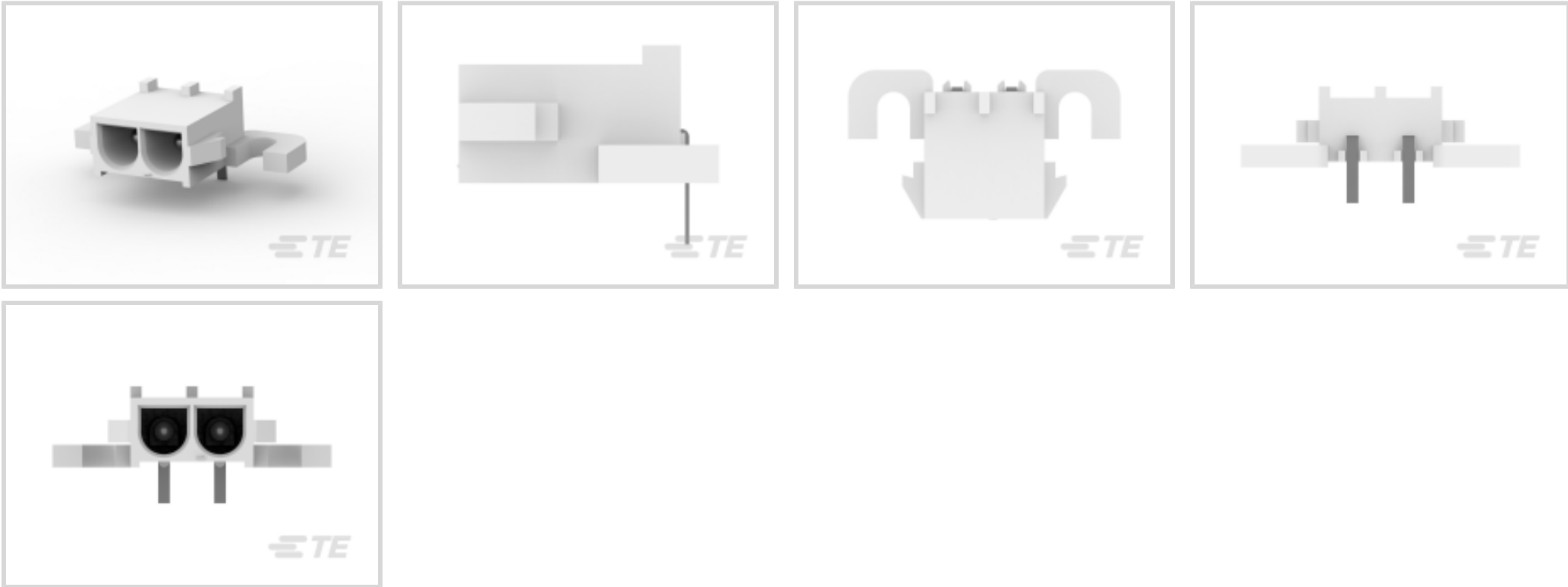




Connectors > PCB Connectors > PCB Headers & Receptacles



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 VAC |
|-------------------|---------|

Body Features

|                       |         |
|-----------------------|---------|
| Primary Product Color | Natural |
|-----------------------|---------|

Contact Features

|                                                         |                               |
|---------------------------------------------------------|-------------------------------|
| Contact Underplating Material                           | Nickel                        |
| Mating Pin Diameter                                     | 2.18 mm[.085 in]              |
| Contact Underplating Material Thickness                 | 1.27 – 1.79 μm[50 – 70 μin]   |
| Contact Size                                            | 2.175mm                       |
| Contact Mating Area Plating Material Thickness          | 3.81 – 5.08 μm[150 – 200 μin] |
| PCB Contact Termination Area Plating Material Thickness | 3.81 – 5.08 μm[150 – 200 μin] |
| Contact Shape & Form                                    | Round                         |
| Contact Layout                                          | Inline                        |
| Contact Base Material                                   | Phosphor Bronze               |
| PCB Contact Termination Area Plating Material           | Pre-Tin                       |
| Contact Mating Area Plating Material                    | Pre-Tin                       |
| Contact Type                                            | Pin                           |
| Contact Current Rating (Max)                            | 12 A                          |

Termination Features

|                                |                       |
|--------------------------------|-----------------------|
| Termination Post & Tail Length | 4.06 mm[.16 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    | Polarization  |
| PCB Mount Retention Type | Mounting Ears |
| 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)    | 6.35 mm[.25 in] |

Dimensions

|                             |                    |
|-----------------------------|--------------------|
| Connector Width             | 17.27 mm[.68 in]   |
| PCB Thickness (Recommended) | 1.57 mm[.062 in]   |
| Connector Height            | 9.14 mm[.36 in]    |
| Connector Length            | 31.62 mm[1.245 in] |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature (Max) | 105 °C[221 °F]             |
| Operating Temperature Range | -40 – 105 °C[-40 – 221 °F] |

Operation/Application

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

Industry Standards

|                                             |                               |
|---------------------------------------------|-------------------------------|
| Compatible With Agency/Standards Products   | CSA, UL, VDE                  |
| 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 | 280 |
| Packaging Method   | Box |

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) |



Candidate List Declared Against: JAN 2025  
(247)  
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

|                                                        |                                                         |                                                      |                                                             |
|--------------------------------------------------------|---------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------------|
| <br>TE Part # 350848-2<br>02P UMNL PLUG TEST ASSY 94VO | <br>TE Part # 1586892-3<br>03P UMNL HDR ASSY R/A, GW V0 | <br>TE Part # 1-640719-1<br>02P UMNL STR/REL NATL    | <br>TE Part # 1-640719-0<br>02P UMNL STR/REL & INSRT NATL   |
| <br>TE Part # 2-480699-0<br>02P UMNL CAP HSG NATL      | <br>TE Part # 640713-1<br>02P UMNL STR/REL & INSERT     | <br>TE Part # 1586936-1<br>06P UMNL HDR ASSY R/A, GW | <br>TE Part # 1969796-1<br>02P UMNL HDR ASSY R/A, PIN V0 GW |



TE Part # 794991-1  
02P UMNL BLACK INTERFACE SEAL



TE Part # 1703062-1  
CAP, 2 CIRCUIT, UNIVERSAL MATE-N-LOK



TE Part # 640713-2  
02P UMNL STR/RELIEVE



TE Part # 1969812-1  
06P UMNL HDR ASSY R/A, PIN V0 GW



TE Part # 1-350589-0  
STR/REL CLAMP NATL



TE Part # 770017-1  
02P UMNLI IN-LNE PLUG HSG KIT



TE Part # 2178649-2  
2P UMNL CAP HSG, GW



TE Part # 2178927-1  
02P UMNL CAP HSG



TE Part # 794815-1  
02P UMNL CAP HSG, HI TEMP



TE Part # 1969815-1  
08P UMNL HDR ASSY R/A, PIN V0 GW



TE Part # 1969808-1  
05P UMNL HDR ASSY R/A, PIN V0 GW



TE Part # 643250-1  
02P UMNL ASSY MOD HSG V0

Also in the Series | Universal MATE-N-LOK



Circular Power Connectors(2)



Connector Caps & Covers(34)



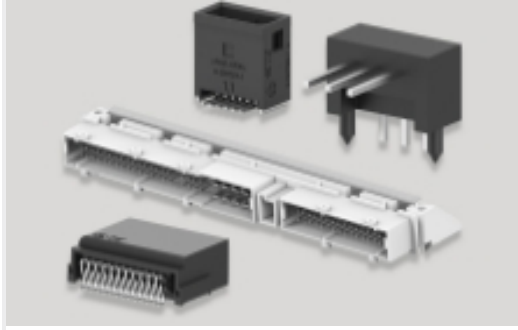
Connector Seals & Cavity Plugs(27)



Connector Strain Relief(7)



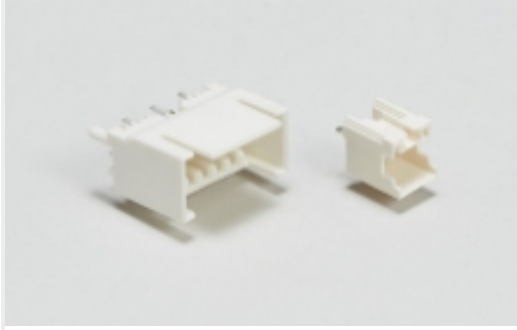
Insertion & Extraction Tools(4)



PCB Headers & Receptacles(286)



Rectangular Power Connectors(651)



Wire-to-Board Headers & Receptacles (286)

Customers Also Bought



TE Part #1-1623819-4  
SBL4 R051 5%

TE Part #3-2176527-6  
3503G 2B 1K27 1% 5K RL

TE Part #1676315-1  
RN 0805 36K5 0.1% 10PPM CUT  
LENGTH

TE Part #515632-E  
M12 MALE, UNI CODE, 8P, 10.5MM  
SMT, DI

TE Part #5055556-9  
10 POWER TAP ASSY .125

TE Part #6-1415536-7  
0410 63 046 005WG

TE Part #8-1879517-6  
CRGH1206 1% 12R 0.5W

TE Part #2-338309-2  
9P.HDP20 PLUG ASSY

TE Part #3-794680-2  
02P MICRO MNL ASSY,VRT,THRU LF

TE Part #5216675-4  
HD SLIDE LATCH POST

Documents

Product Drawings

02P UMNL HDR ASSY R/A 94VO

English

CAD Files

Customer View Model

ENG\_CVM\_1-350942-0\_L.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_1-350942-0\_L.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_1-350942-0\_L.3d\_igs.zip

English

3D PDF

English

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

Datasheets & Catalog Pages



SOFT\_SHELL\_PIN\_SOCKET\_CONNECTORS\_STANDARD\_DENSITY

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL

English