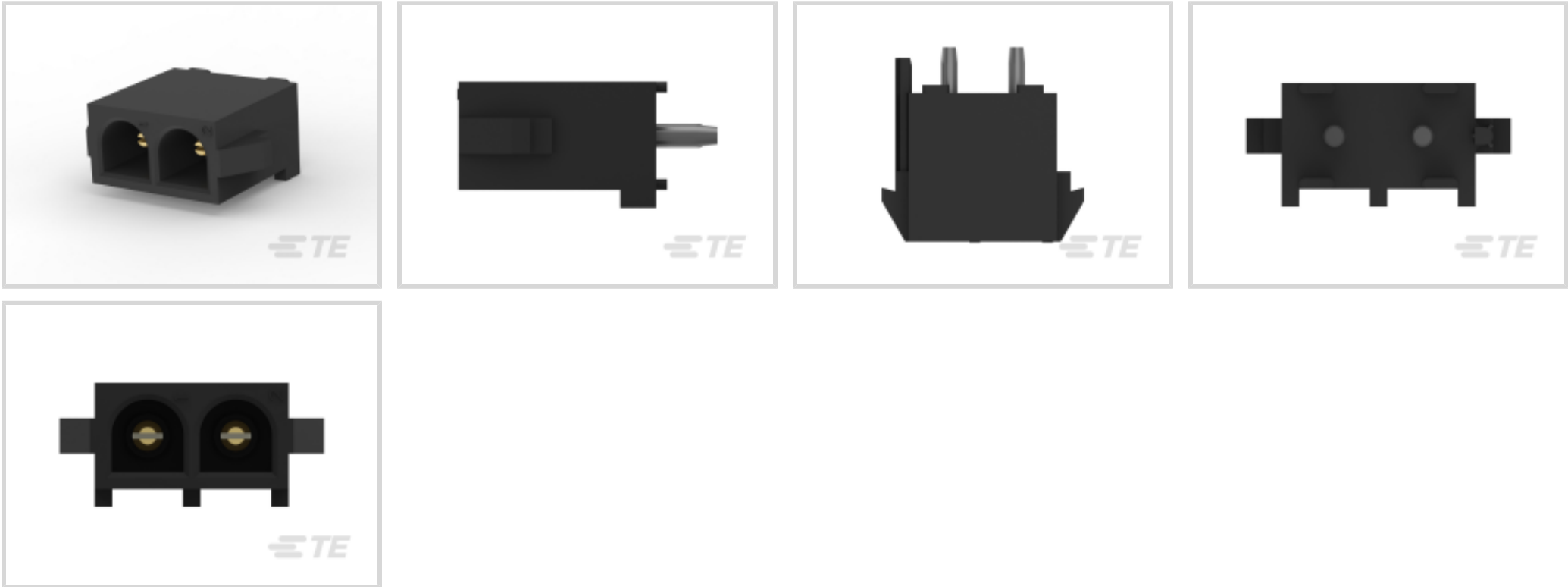




Connectors > PCB Connectors > PCB Headers & Receptacles



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

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

Number of Positions: **2**

Number of Rows: **1**

Centerline (Pitch): **6.35 mm [.25 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        | 2            |
| Number of Columns                | 2            |
| Number of Loaded Positions       | 2            |
| Connector Contact Load Condition | Fully Loaded |
| Number of Positions              | 2            |
| Number of Rows                   | 1            |



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

Electrical Characteristics

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

Body Features

|                       |       |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

Contact Features

|                                                         |                               |
|---------------------------------------------------------|-------------------------------|
| Contact Size                                            | 2.2mm                         |
| PCB Contact Termination Area Plating Material Thickness | 3.81 – 5.08 µm[150 – 200 µin] |
| Contact Layout                                          | Inline                        |
| Mating Pin Diameter                                     | 2.2 mm[.087 in]               |
| Contact Underplating Material Thickness                 | 1.27 – 1.79 µm[50 – 70 µin]   |
| Contact Mating Area Plating Material Thickness          | .76 – .91 µm[30 – 36 µin]     |
| PCB Contact Termination Area Plating Material Finish    | Matte                         |
| Contact Shape & Form                                    | Round                         |
| Contact Underplating Material                           | Nickel                        |
| PCB Contact Termination Area Plating Material           | Tin-Lead                      |
| Contact Base Material                                   | Phosphor Bronze               |
| Contact Mating Area Plating Material                    | Gold                          |
| Contact Type                                            | Pin                           |
| Contact Current Rating (Max)                            | 12 A                          |

Termination Features

|                                  |                       |
|----------------------------------|-----------------------|
| Termination Post & Tail Diameter | 1.57 mm[.062 in]      |
| Termination Post & Tail Length   | 3.56 mm[.14 in]       |
| Termination Method to PCB        | Through Hole - Solder |

Mechanical Attachment

|                          |                         |
|--------------------------|-------------------------|
| PCB Mount Alignment Type | Standard Polarized Tail |
| Mating Alignment Type    | Polarization            |
| Mating Retention         | With                    |
| Panel Mount Feature      | Without                 |
| Mating Retention Type    | Locking Tab             |
| Connector Mounting Type  | Board Mount             |
| Mating Alignment         | With                    |



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

Housing Features

|                       |                  |
|-----------------------|------------------|
| Mating Entry Location | Top              |
| Housing Material      | Nylon            |
| Centerline (Pitch)    | 6.35 mm [.25 in] |

Dimensions

|                             |                   |
|-----------------------------|-------------------|
| Connector Length            | 13.97 mm [.55 in] |
| Connector Height            | 13.97 mm [.55 in] |
| Connector Width             | 7.62 mm [.3 in]   |
| PCB Thickness (Recommended) | 1.57 mm [.062 in] |
| Profile Height from PCB     | 14.73 mm [.58 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

|                                             |                               |
|---------------------------------------------|-------------------------------|
| UL Rating                                   | Recognized                    |
| Glow Wire Rating                            | Standard Part - Not Glow Wire |
| Compatible With Agency/Standards Products   | CSA, UL, VDE                  |
| 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)  
Candidate List Declared Against: JUNE  
2024 (241)  
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 # 350777-1  
02P UMNL PLUG HSG

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

TE Part # 1586953-1  
02P UMNL PIN HDR ASSY NATL, GW

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

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

TE Part # 1586856-1  
02P UMNL CAP HSG, GW

TE Part # 350848-2  
02P UMNL PLUG TEST ASSY 94VO

TE Part # 1586161-1  
02P UMNL HDR 94VO NDH



TE Part # 1586866-1  
02P UMNL HDR ASSY V2, GW



TE Part # 2029000-1  
02P UMNL HDR SHRT TAIL, NDH



TE Part # 194234-1  
HDR ASSY,MNL,4 POS,LUBRICATED



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



TE Part # 1586137-1  
02P UMNL PIN HDR POL NAT NDH



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



TE Part # 1703062-3  
CAP, 2 CIRCUIT , UNIVERSAL MATE-N-LOK



TE Part # 1969829-1  
06P UMNL SOK HDR Hsg 94VO GW



TE Part # 2-480699-0  
02P UMNL CAP HSG NATL



TE Part # 641968-4  
4P UMNL PIN HDR POL VO, AU, LF



TE Part # 2178649-1  
2P UMNL CAP HSG, GW



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

Also in the Series | Universal MATE-N-LOK



Circular Power Connectors(2)



Connector Caps & Covers(34)



Connector Contacts(209)



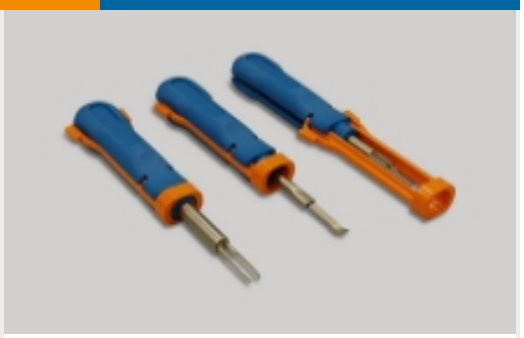
Connector Hardware(12)



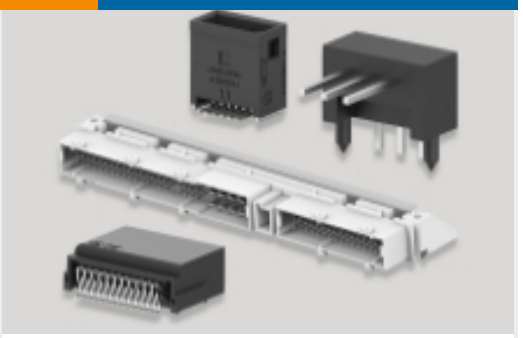
Connector Seals & Cavity Plugs(27)



Connector Strain Relief(7)



Insertion & Extraction Tools(4)



PCB Headers & Receptacles(285)



Rectangular Connector Housings(1)



Rectangular Power Connectors(379)



Standard Circular Connectors(1)

Customers Also Bought



TE Part #640457-6  
06P MTA100 HDR ASSY SQ R/A F/L



TE Part #5555165-1  
M/J, LPF, R/A, 6P/6C, TIN, BUL



TE Part #641968-1  
04P UMNL PIN HDR ASSY POL 94VO



TE Part #176976-1  
AMP UNIVERSAL POWER PLG 3C PCB



TE Part #643412-1  
02P UMNL HDR ASSY POL 94VO



TE Part #170891-2  
250 FASTON HSG.,FLAG,REC., NATRUAL



TE Part #42742-2  
250 FASTON FLAG REC 18-12 AWG TPBR



TE Part #6-534206-8  
36 MODII VRT DR CE 100/115



TE Part #6-2176370-5  
RQ 0603 2K0 0.1% 10PPM 5K RL

Documents

Product Drawings

02P UMNL HDR ASSY POL BLK

English

CAD Files

Customer View Model

ENG\_CVM\_1-641964-1\_P.3d\_stp.zip

English

Customer View Model



[ENG\\_CVM\\_1-641964-1\\_P.2d\\_dxf.zip](#)

English

[3D PDF](#)

English

Customer View Model

[ENG\\_CVM\\_1-641964-1\\_P.3d\\_igs.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-641964-1\\_H.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-641964-1\\_H.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-641964-1\\_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\\_SOCKET\\_CONNECTORS\\_STANDARD\\_DENSITY](#)

English

**Product Specifications**

[Application Specification](#)

English

**Instruction Sheets**

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

English

**Agency Approvals**

[UL](#)

English