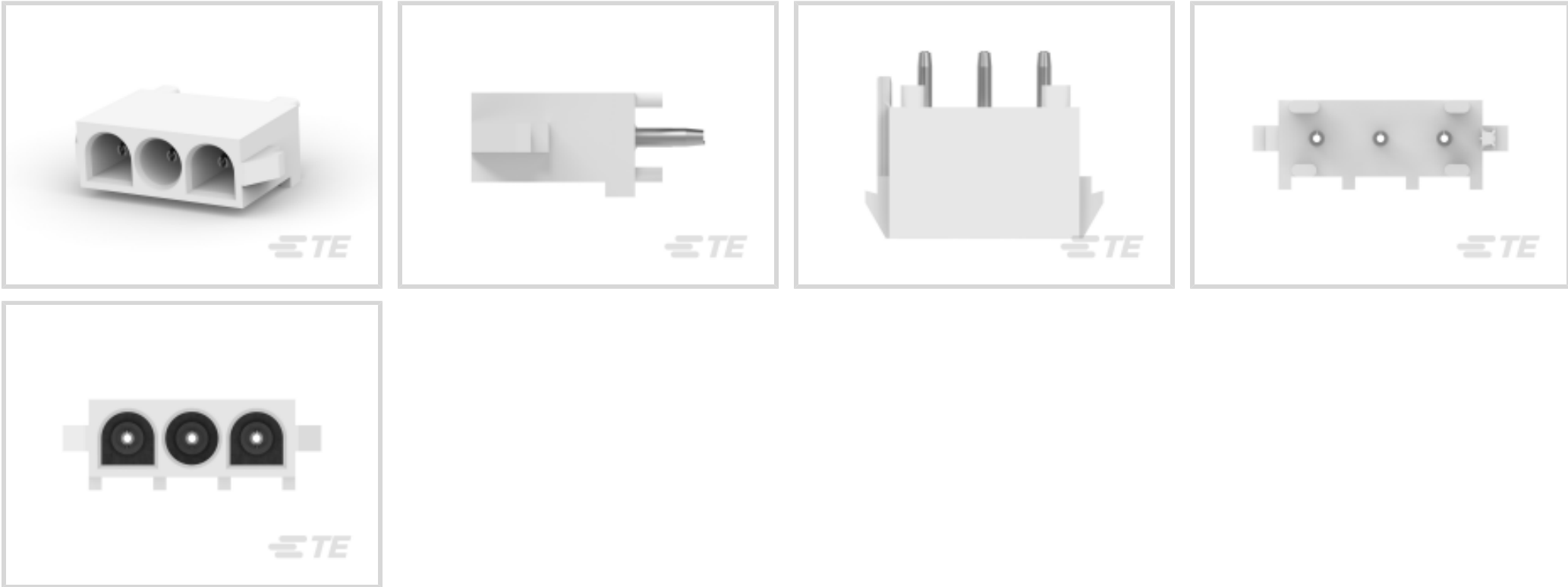




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **3**

Centerline (Pitch): **6.35 mm [.25 in]**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Rectangular Power Connector Type  | Header                |
| Connector & Housing Type          | Receptacle            |
| Connector System                  | Wire-to-Board         |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

|                           |          |
|---------------------------|----------|
| Number of Positions       | 3        |
| PCB Mount Orientation     | Vertical |
| Number of Power Positions | 3        |
| Number of Rows            | 1        |

Electrical Characteristics

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

Contact Features

|                |        |
|----------------|--------|
| Contact Layout | Inline |
|----------------|--------|



|                                                |                               |
|------------------------------------------------|-------------------------------|
| Contact Mating Area Plating Material           | Tin                           |
| Contact Base Material                          | Phosphor Bronze               |
| Contact Current Rating (Max)                   | 12 A                          |
| Contact Retention Within Housing               | Without                       |
| Contact Type                                   | Pin                           |
| PCB Contact Termination Area Plating Material  | Pre-Tin                       |
| Contact Mating Area Plating Material Thickness | 3.81 - 5.08 µm[150 - 200 µin] |

Termination Features

|                                             |                       |
|---------------------------------------------|-----------------------|
| Termination Post & Tail Length              | 5.84 mm[.229 in]      |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

|                          |                |
|--------------------------|----------------|
| PCB Mount Alignment Type | Locating Posts |
| Strain Relief            | Without        |
| Mating Alignment Type    | Polarization   |
| Mating Retention         | With           |
| Mating Alignment         | With           |
| PCB Mount Alignment      | With           |
| Panel Mount Feature      | Without        |
| PCB Mount Retention      | Without        |
| Mating Retention Type    | Latch          |
| Connector Mounting Type  | Board Mount    |

Housing Features

|                    |                 |
|--------------------|-----------------|
| Centerline (Pitch) | 6.35 mm[.25 in] |
| Housing Color      | White           |
| Housing Material   | Nylon           |

Dimensions

|                             |                   |
|-----------------------------|-------------------|
| Connector Height            | 13.97 mm[.549 in] |
| PCB Thickness (Recommended) | .06 mm[1.57 in]   |
| Product Width               | 7.62 mm[.3 in]    |
| Product Length              | 20.32 mm[.8 in]   |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 - 105 °C[-40 - 221 °F] |
|-----------------------------|----------------------------|



Operation/Application

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

Industry Standards

|                        |                               |
|------------------------|-------------------------------|
| UL Flammability Rating | UL 94V-0                      |
| Glow Wire Rating       | Standard Part - Not Glow Wire |

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 100 |
| 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 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<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 applicable 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



|                                                                                                                                                     |                                                                                                                                                  |                                                                                                                                                |                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 1586681-2<br/>12P UMNL PIN HDR ASSY 94VO omit #2</p> |  <p>TE Part # 1-480701-4<br/>03P UMNL CAP HSG YELL</p>         |  <p>TE Part # 1-350767-9<br/>03P UMNL V0 CAP HSG BLACK</p>  |  <p>TE Part # 1-480701-2<br/>03P UMNL CAP HSG RED</p>            |
|  <p>TE Part # 1586076-1<br/>02P UMNL PIN HDR W/O DRNS V2</p>      |  <p>TE Part # 1586174-1<br/>06P UMNL PIN HDR 94VO NDH</p>     |  <p>TE Part # 794880-1<br/>09P UMNL PIN HDR ASSY 94VO</p>  |  <p>TE Part # 794876-1<br/>02P UMNL PIN HDR ASSY POL 94VO</p>   |
|  <p>TE Part # 1-480701-0<br/>03P UMNL CAP HSG NATL</p>           |  <p>TE Part # 1586134-1<br/>05P UMNL PIN HDR V2 NATL NDH</p> |  <p>TE Part # 1586849-1<br/>03P UMNL CAP HSG NATL, GW</p> |  <p>TE Part # 2029002-1<br/>09P UMNL HDR ASSY PC, NDH</p>      |
|  <p>TE Part # 1-480701-9<br/>03P UMNL CAP HSG BLK</p>            |  <p>TE Part # 1-480701-6<br/>03P UMNL CAP HSG BLU</p>        |  <p>TE Part # 794878-1<br/>03P UMNL PIN HDR ASSY 94VO</p> |  <p>TE Part # 1-480701-8<br/>03P UMNL CAP HSG GRY</p>          |
|  <p>TE Part # 1586090-1<br/>06P UMNL PINHDR NO DRAIN HOLE</p>    |  <p>TE Part # 1586162-1<br/>03P UMNL PIN HDR 94VO NDH</p>    |  <p>TE Part # 1586161-1<br/>02P UMNL HDR 94VO NDH</p>     |  <p>TE Part # 1586077-1<br/>03P UMNL PIN HDR ASSY W/O DRNS</p> |

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)



Rectangular Connector Housings(1)

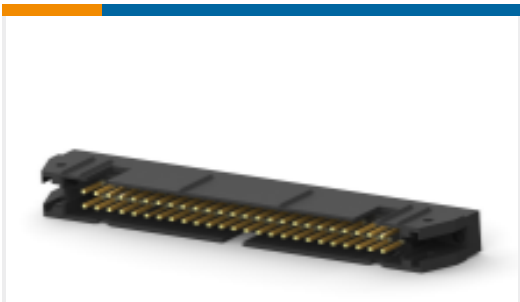


Rectangular Power Connectors(671)

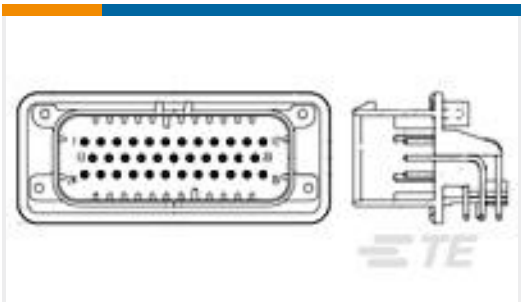


Standard Circular Connectors(1)

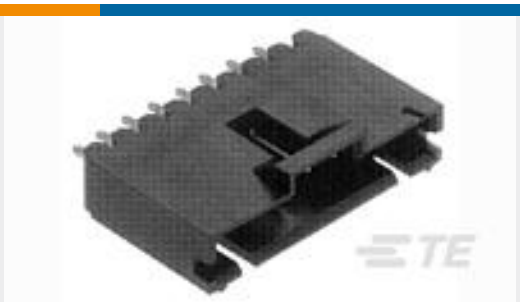
Customers Also Bought



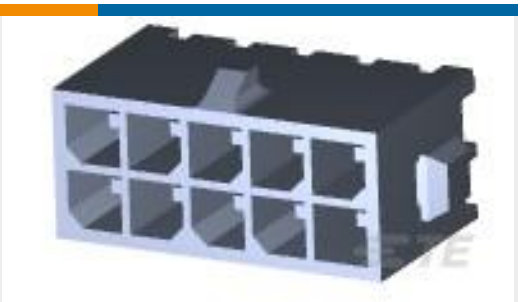
TE Part # 5102159-9  
AMP-LATCH UNIVERSAL HEADERS



TE Part # 1-776163-5  
35POS,AMPSEAL,PIN HSG ASSY,SLD, COD 5



TE Part # 5-103639-5  
06 MTE HDR SRST LATCH .100CL



TE Part # 4-794632-0  
10P MICRO MNL ASSY,VRT,HDR,LF



TE Part # 350827-1  
06P UMNHL HDR ASSY PC 94VO



TE Part # 1-770873-0  
03P MINI UMNHL HDR ASSY SN



TE Part # 292304-1  
STD USB TYPE B, R/A, T/H



TE Part # 1879061-3  
CPF 0402 10R 0.1% 25PPM 5K RL

Documents



Product Drawings

03P UMNL PIN HDR ASY 94VO NODH

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2029397-1\_B.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2029397-1\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2029397-1\_B.3d\_stp.zip

English

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Product Specifications

Application Specification

English