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Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **4**

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       | 4        |
| PCB Mount Orientation     | Vertical |
| Number of Power Positions | 4        |
| Number of Rows            | 1        |

Electrical Characteristics

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

Contact Features

|                        |         |
|------------------------|---------|
| Multiple Contact Types | Without |
|------------------------|---------|



|                                                |                               |
|------------------------------------------------|-------------------------------|
| Contact Layout                                 | Inline                        |
| Contact Mating Area Plating Material           | Tin                           |
| 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              | 3.94 mm[.155 in]      |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

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

Housing Features

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

Dimensions

|                             |                 |
|-----------------------------|-----------------|
| PCB Thickness (Recommended) | .06 mm[1.57 in] |
|-----------------------------|-----------------|

Usage Conditions

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

Operation/Application

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

Industry Standards

|                 |            |
|-----------------|------------|
| UL Rating       | Recognized |
| Agency/Standard | UL, VDE    |



|                        |                               |
|------------------------|-------------------------------|
| Approved Standards     | UL E28476                     |
| 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: JUNE 2023 (235)<br>Candidate List Declared Against: JUNE 2023 (235)<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





|                                                                                                                                                     |                                                                                                                                                           |                                                                                                                                                    |                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 1-480703-9<br/>04P UMNL CAP HSG BLK</p>              |  <p>TE Part # 641968-1<br/>04P UMNL PIN HDR ASSY POL 94VO</p>           |  <p>TE Part # 1-480703-0<br/>04P UMNL CAP HSG NATL</p>          |  <p>TE Part # 2029361-1<br/>05P UMNL SOC HDR V2 NATL NDH</p> |
|  <p>TE Part # 1586845-1<br/>04P UMNL CAP HSG NATL, GW</p>         |  <p>TE Part # 1586953-1<br/>02P UMNL PIN HDR ASSY NATL, GW</p>         |  <p>TE Part # 926305-6<br/>UNML4WAY CAP</p>                    |  <p>TE Part # 1-480703-1<br/>04P UMNL CAP HSG BRN</p>       |
|  <p>TE Part # 1-480703-2<br/>04P UMNL CAP HSG RED</p>            |  <p>TE Part # 1969803-1<br/>03P UMNL PIN HDR ASSY NATL, PIN V0 GW</p> |  <p>TE Part # 2-480703-0<br/>04P UMNL CAP HSG NATL</p>        |  <p>TE Part # 794707-1<br/>04P UMNL CAP HSG, BLACK</p>     |
|  <p>TE Part # 1586968-1<br/>05P UMNL PIN HDR ASSY V2, GW</p>     |  <p>TE Part # 1586958-1<br/>03P UMNL PIN HDR ASSY NATL, GW</p>        |  <p>TE Part # 1969804-1<br/>04P UMNL HDR ASSY, SCKT V0 GW</p> |  <p>TE Part # 1586963-1<br/>04P UMNL PIN HDR ASSY, GW</p>  |
|  <p>TE Part # 1969805-1<br/>04P UMNL HDR ASSY R/A, PIN V0 GW</p> |  <p>TE Part # 1586872-1<br/>04P UMNL HDR ASSY, GW</p>                 |  <p>TE Part # 1586866-1<br/>02P UMNL HDR ASSY V2, GW</p>      |  <p>TE Part # 1-350780-9<br/>04P UMNL V0 CAP HSG BLACK</p> |

Also in the Series | [Universal MATE-N-LOK](#)





Circular Power Connectors(2)



Connector Contacts(2)



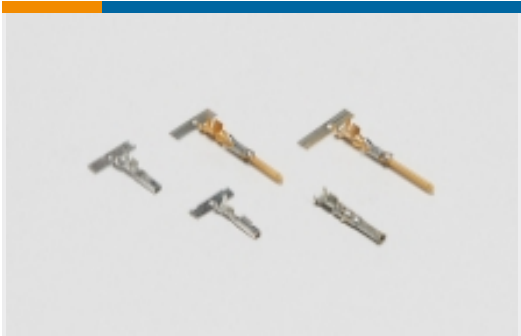
Connector Seals & Cavity Plugs(27)



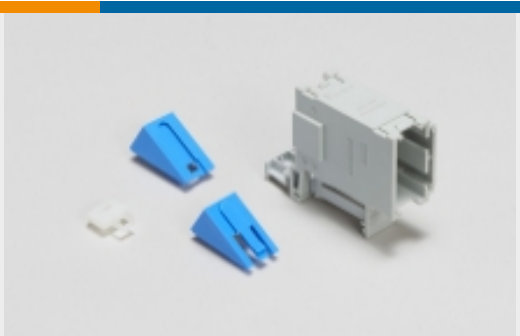
Connector Strain Relief(34)



Insertion & Extraction Tools(4)



Power Contacts(207)



Rectangular Connector Adapters(7)



Rectangular Connector Hardware(1)



Rectangular Connector Housings(1)



Rectangular Connector Keying Plugs(3)

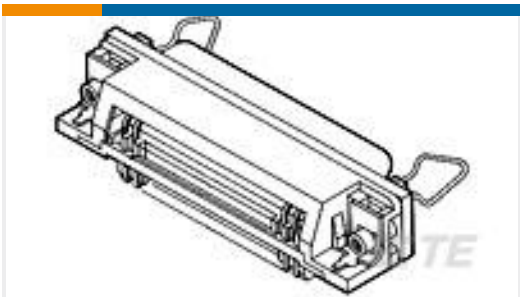


Rectangular Connector Locking(8)

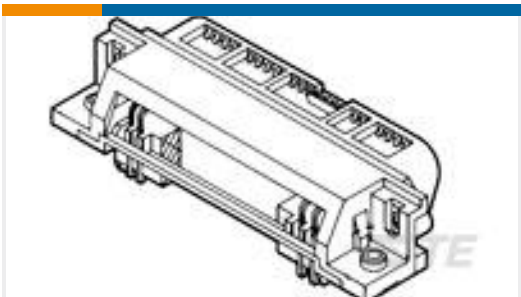


Rectangular Power Connectors(672)

Customers Also Bought



TE Part #5555149-1  
RCPT ASSY,LPF,RTANG,50 POSN



TE Part #5552744-1  
ASSY,RCPT,64 POSN,RTANG,PCB



TE Part #5414373-1  
JACK,PCB,50 OHM,BNC



TE Part #1-480703-9  
04P UMNL CAP HSG BLK



TE Part #643415-1  
04P UMNL HDR ASSY POL



TE Part #1825027-2  
FSMRA1JH04=R/A,TACT PB SW,160G



TE Part #1-480702-9  
04P UMNL PLUG HSG BLK



TE Part #D369-P66-BP0  
369 6 WAY PLUG, NO CONTACTS, PIN

Documents



Product Drawings

04P UMNL PIN HDR ASSY W/O DRNS

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1586086-1\_O.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1586086-1\_O.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1586086-1\_O.3d\_stp.zip

English

3D PDF

English

Customer View Model

ENG\_CVM\_1586086-1\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_1586086-1\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_1586086-1\_A.3d\_stp.zip

English

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Product Specifications

Application Specification

English