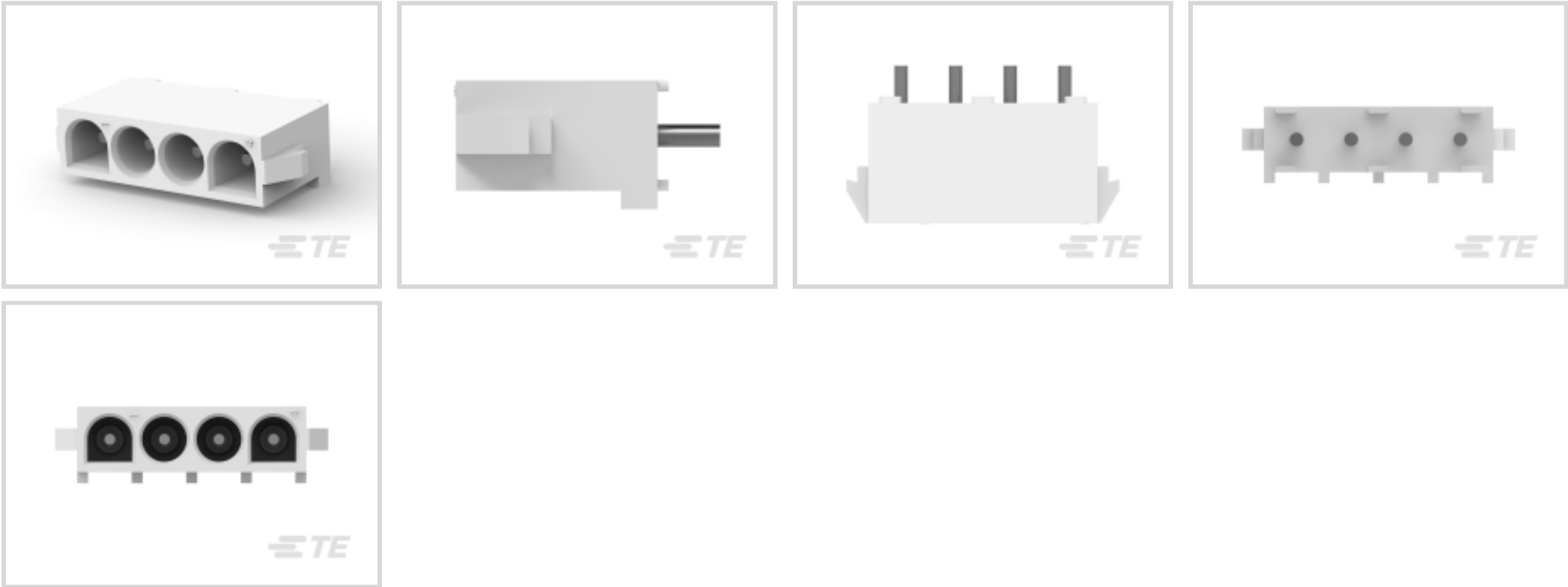




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **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 |
|------------------------|---------|



|                                                         |                               |
|---------------------------------------------------------|-------------------------------|
| PCB Contact Termination Area Plating Material Thickness | 2.54 μm[100 μin]              |
| Contact Layout                                          | Inline                        |
| Contact Underplating Material Thickness                 | 1.27 μm[50 μin]               |
| 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              | 3.05 mm[.12 in]       |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

|                         |               |
|-------------------------|---------------|
| Strain Relief           | Without       |
| Mating Alignment Type   | Polarization  |
| Mating Retention        | With          |
| Mating Alignment        | With          |
| PCB Mount Alignment     | Without       |
| Panel Mount Feature     | Without       |
| PCB Mount Retention     | Without       |
| Mating Retention Type   | Positive Lock |
| Connector Mounting Type | Board Mount   |

Housing Features

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

Dimensions

|                             |                  |
|-----------------------------|------------------|
| Connector Height            | 13.97 mm         |
| PCB Thickness (Recommended) | 1.57 mm[.062 in] |
| Product Width               | 7.62 mm          |
| Product Length              | 26.67 mm         |

Usage Conditions

|  |  |
|--|--|
|  |  |
|--|--|



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

Operation/Application

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

Industry Standards

|                                             |                               |
|---------------------------------------------|-------------------------------|
| CSA Rating                                  | Certified, LR 7189            |
| UL Rating                                   | Recognized                    |
| Compatible With Agency/Standards Products   | CSA, UL, VDE                  |
| Compatible With Approved Standards Products | UL E28476                     |
| UL Flammability Rating                      | UL 94V-2                      |
| 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                     | 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 # 641776-1<br>04P UMNL STR/REL              | <br>TE Part # 641776-2<br>04P UMNL STR/REL           | <br>TE Part # 1-350589-0<br>STR/REL CLAMP NATL           | <br>TE Part # 350811-1<br>STR/REL CLAMP                  |
| <br>TE Part # 641775-1<br>04P UMNL STR/REL & INSRT NATL | <br>TE Part # 1586845-1<br>04P UMNL CAP HSG NATL, GW | <br>TE Part # 770351-1<br>04P UMNL PIN HDR ASSY W/O DRNS | <br>TE Part # 641968-3<br>04P UMNL PIN HDR ASSY POL 94VO |
| <br>TE Part # 794273-1<br>04P UMNL INTERFACE SEAL       | <br>TE Part # 794274-1<br>04P UMNL WIRE SEAL         | <br>TE Part # 1-480702-0<br>04P UMNL PLUG HSG NATL       | <br>TE Part # 2-480703-0<br>04P UMNL CAP HSG NATL        |
| <br>TE Part # 794707-1<br>04P UMNL CAP HSG, BLACK       | <br>TE Part # 641775-2<br>04P UMNL STR/REL NATL      | <br>TE Part # 926305-6<br>UNML4WAY CAP                   | <br>TE Part # 350848-4<br>04P UMNL PLUG TEST ASSY 94VO   |



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

TE Part # 926305-1  
4P UNIV M-N-L CAP

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 # 1879071-5  
THS50 R15 5%

TE Part # 350432-1  
09P UMNL PIN HDR ASSY NATL

TE Part # 350433-1  
12P UMNL PIN HDR ASSY NATL

TE Part # 640466-1  
05P UMNL PIN HDR ASSY V2 NATL





TE Part # 2176081-6  
EP 1W (S) 68R 5%

TE Part # 776180-2  
35POS,PIN DIA 1.3,HDR ASSY,90DEG, COD 2

TE Part # 2-1474654-6  
FSN-24A-15

TE Part # 2-2176366-6  
RQ 0603 787R 0.1% 10PPM 1K RL

TE Part # 3-1437142-4  
FSN-22A-14=NOMEX FS STD

Documents

Product Drawings

04P UMNL PIN HDR ASSY NATL

English

CAD Files

3D PDF

English

Customer View Model

ENG\_CVM\_350430-1\_Y.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_350430-1\_Y.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_350430-1\_Y.3d\_stp.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_350430-1\_AE.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_350430-1\_AE.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_350430-1\_AE.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