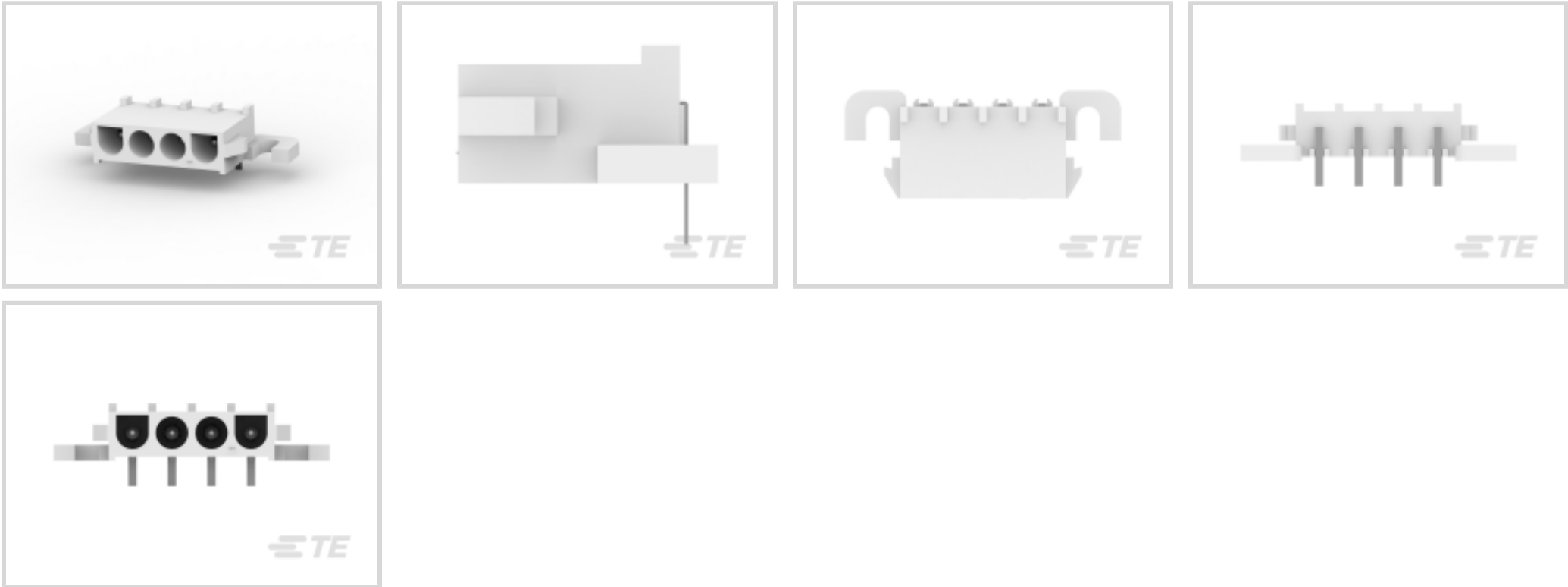




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



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     | Right Angle |
| 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, 19 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 | 4.06 mm[.16 in]       |
| Termination Method to PCB      | 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      | With          |
| PCB Mount Retention Type | Mounting Hole |
| 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            | 9.14 mm         |
| PCB Thickness (Recommended) | .06 mm[1.57 in] |
| Product Width               | 17.27 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 | 140 |
| 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: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<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 # 1586076-1<br>02P UMNL PIN HDR W/O DRNS V2   | <br>TE Part # 1586845-1<br>04P UMNL CAP HSG NATL, GW    | <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 # 1586086-1<br>04P UMNL PIN HDR ASSY W/O DRNS | <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 # 926305-6<br>UNML4WAY CAP                      | <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 # 1586963-1<br>04P UMNL PIN HDR ASSY, GW     |
| <br>TE Part # 1969805-1<br>04P UMNL HDR ASSY R/A, PIN V0 GW | <br>TE Part # 1586872-1<br>04P UMNL HDR ASSY, GW          | <br>TE Part # 1586892-3<br>03P UMNL HDR ASSY R/A, GW V0 | <br>TE Part # 1586163-1<br>04P UMML PIN HDR 94VO NDH     |

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(670)



Standard Circular Connectors(1)

Customers Also Bought



TE Part #5-2176231-2  
3522 1K3 1% 3W



TE Part #1775443-2  
EMIX CONN., 1.5MM PITCH, HDR, V /T, 2P



TE Part #1-103308-0  
050 LOPRO HDR SP 15DP



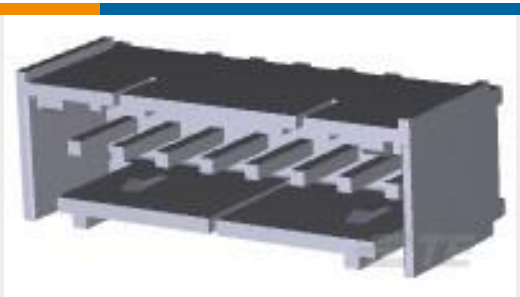
TE Part #4-1825059-1  
ADF08ST04=DIP SWT,FLUSH,SMT-GW



TE Part #5-146131-3  
08 MODII HDR DRST SFMNT B/A LF



TE Part #4-1625886-6  
1W SM M/OX 5% 8R2



TE Part #2-647123-8  
08P MTA156 SHRD HDR ASSY SQ SN



TE Part #ZPF000000000008886  
983-6SE 16-24 PN



Documents

Product Drawings

04P UMNL HDR ASSY R/A V2 NATL

English

CAD Files

3D PDF

English

Customer View Model

ENG\_CVM\_1-350948-0\_M.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_1-350948-0\_M.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_1-350948-0\_M.2d\_dxf.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