



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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          | Plug                  |
| 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

|                        |         |
|------------------------|---------|
| 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                    | Gold                      |
| Contact Current Rating (Max)                            | 12 A, 19 A                |
| Contact Retention Within Housing                        | Without                   |
| Contact Type                                            | Socket                    |
| PCB Contact Termination Area Plating Material           | Tin                       |
| Contact Mating Area Plating Material Thickness          | .76 – .91 μm[30 – 36 μin] |

Termination Features

|                                |                       |
|--------------------------------|-----------------------|
| Termination Post & Tail Length | 3.18 mm[.125 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     | Without       |
| Mating Retention Type   | Positive Lock |
| Connector Mounting Type | Board Mount   |

Housing Features

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

Dimensions

|                                      |                  |
|--------------------------------------|------------------|
| Compatible Insulation Diameter (Max) | 5.08 mm          |
| Connector Height                     | 13.97 mm         |
| PCB Thickness (Recommended)          | 1.57 mm[.062 in] |
| Product Width                        | 7.62 mm          |
| Product Length                       | 20.32 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-0                      |
| Glow Wire Rating                            | Standard Part - Not Glow Wire |

Packaging Features

|                    |           |
|--------------------|-----------|
| Packaging Quantity | 100       |
| Packaging Method   | Bag & 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                                                                                                    |

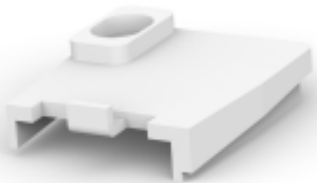
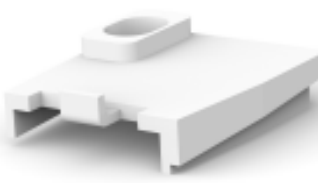
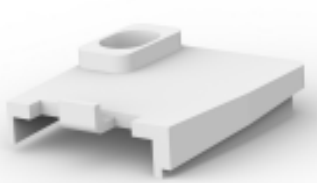
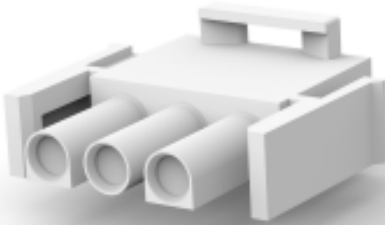
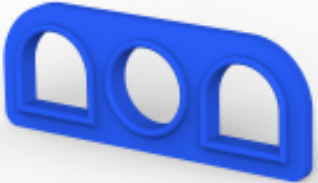
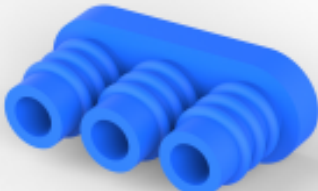
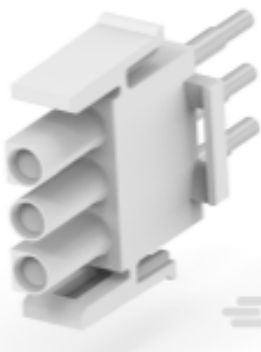
Product Compliance Disclaimer

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 # 641945-1<br>03P UMNL STR/REL                  | <br>TE Part # 641763-1<br>03P UMNL STR/REL V2 NATL       | <br>TE Part # 1-350589-0<br>STR/REL CLAMP NATL             | <br>TE Part # 350811-1<br>STR/REL CLAMP              |
| <br>TE Part # 770018-1<br>03P UMNLII IN-LNE PLUG HSG KIT  | <br>TE Part # 640714-1<br>03P UMNL STR/REL             | <br>TE Part # 350766-1<br>03P UMNL PLUG HSG              | <br>TE Part # 794271-1<br>03P UMNL INTERFACE SEAL  |
| <br>TE Part # 1-640720-0<br>03P UMNL STR/REL & INSRT NATL | <br>TE Part # 794272-1<br>03P UMNL WIRE SEAL           | <br>TE Part # 1586849-1<br>03P UMNL CAP HSG NATL, GW     | <br>TE Part # 794900-1<br>03P UMNL HI TEMP CAP HSG |
| <br>TE Part # 794992-1<br>03P UMNL BLACK INTERFACE SEAL   | <br>TE Part # 350848-3<br>03P UMNL PLUG TEST ASSY 94VO | <br>TE Part # 641966-3<br>03P UMNL PIN HDR ASSY 94VO, AU |                                                                                                                                         |

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



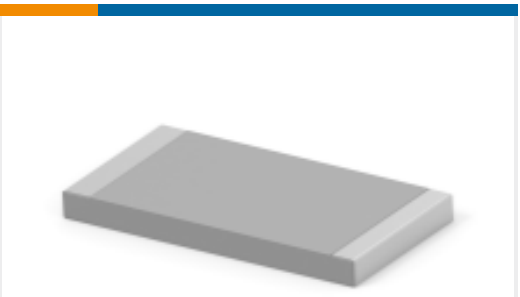
TE Part #6-2176231-5  
3522 4K7 1% 3W



TE Part #1241050-2  
2x2P MOD II BREAK AWAY HDR,SMD, BLISTER



TE Part #1658744-3  
SFP 1X4 CAGE ASSY



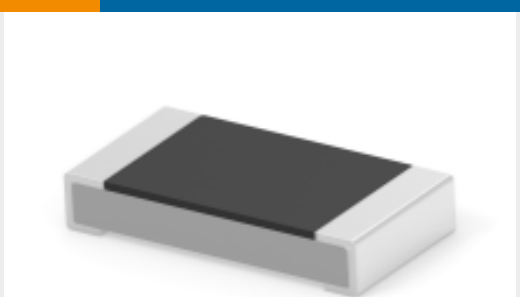
TE Part #1-2176331-1  
CRGP 2512 68R 1%



TE Part #2-2176391-1  
RQ 1206 20K 0.1% 10PPM 5K RL



TE Part #5-2176391-4  
RQ 1206 44K2 0.1% 10PPM 5K RL



TE Part #6-2176392-8  
RQ 1206 665K 0.1% 10PPM 5K RL



TE Part #216398-4  
48P.IEC-C MALE CONN

Documents



Product Drawings

03P UMNL HDR ASSY PC 94VO LF

English

CAD Files

3D PDF

English

Customer View Model

ENG\_CVM\_350825-4\_N.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_350825-4\_N.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_350825-4\_N.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_CVM\_350825-4\_T1.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_350825-4\_T1.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_CVM\_350825-4\_T1.2d\_dxf.zip

English

3D PDF

3D

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Datasheets & Catalog Pages

SOFT\_SHELL\_PIN\_SOCKET\_CONNECTORS\_STANDARD\_DENSITY

English

Product Specifications

Application Specification

English

Agency Approvals

UL

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