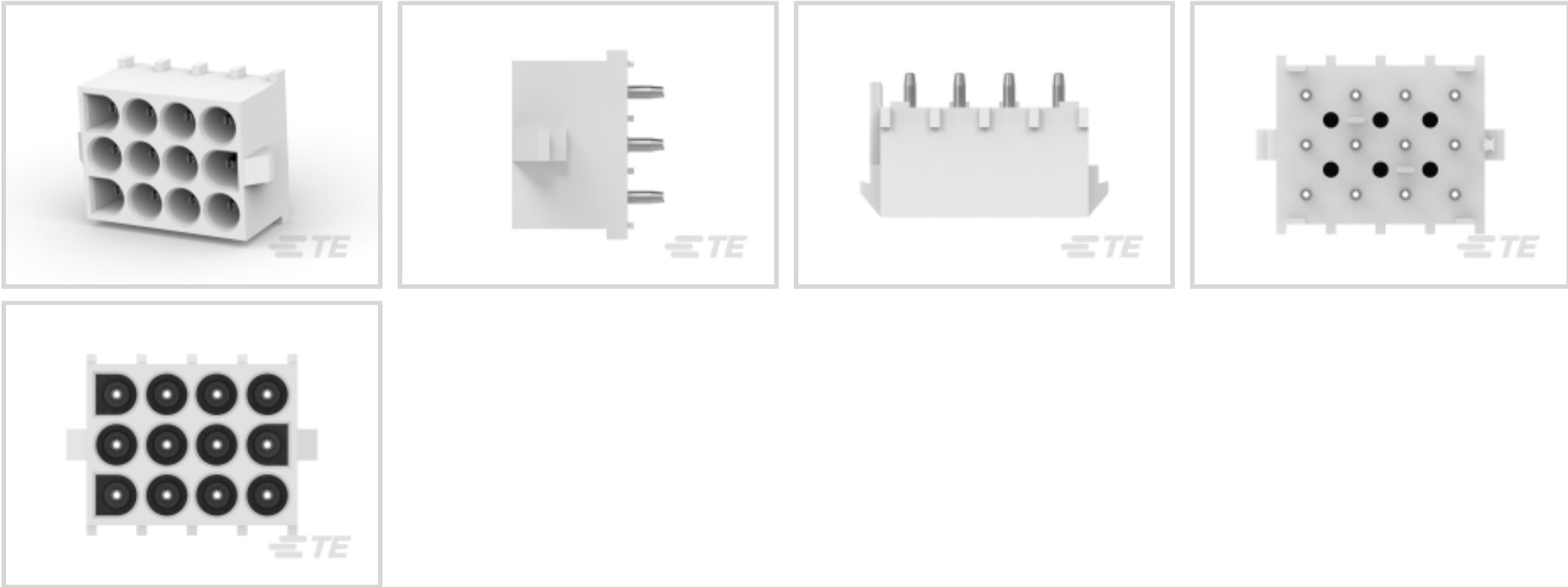




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **12**

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       | 12       |
| PCB Mount Orientation     | Vertical |
| Number of Power Positions | 12       |
| Number of Rows            | 3        |

Electrical Characteristics

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

Contact Features

|                |        |
|----------------|--------|
| Contact Layout | Matrix |
|----------------|--------|



|                                                |                               |
|------------------------------------------------|-------------------------------|
| 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 | 4.44 mm[.174 in]      |
| Termination Method to PCB      | 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               | 20.32 mm[.8 in]   |
| Product Length              | 26.67 mm[1.04 in] |
| Row-to-Row Spacing          | 6.35 mm[.25 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 | 75  |
| 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 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



|                                                                                                                                                     |                                                                                                                                               |                                                                                                                                                     |                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 1586681-2<br/>12P UMNL PIN HDR ASSY 94VO omit #2</p> |  <p>TE Part # 926681-3<br/>12P UNIV.CAP HSG.</p>            |  <p>TE Part # 1586174-1<br/>06P UMNL PIN HDR 94VO NDH</p>        |  <p>TE Part # 926681-1<br/>UNIV.M-N-L.CAP HSG.</p>               |
|  <p>TE Part # 794880-1<br/>09P UMNL PIN HDR ASSY 94VO</p>         |  <p>TE Part # 1-480709-9<br/>12P UMNL CAP HSG BLK</p>      |  <p>TE Part # 794876-1<br/>02P UMNL PIN HDR ASSY POL 94VO</p>   |  <p>TE Part # 1-480709-0<br/>12P UMNL CAP HSG NATL</p>          |
|  <p>TE Part # 794878-1<br/>03P UMNL PIN HDR ASSY 94VO</p>        |  <p>TE Part # 1-480709-4<br/>12P UMNL CAP HSG YELL</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 # 643428-2<br/>12P UMNL HDR ASSY POL</p>             |  <p>TE Part # 643428-3<br/>12P UMNL HDR ASSY POL 94VO</p> |  <p>TE Part # 1-1863006-2<br/>UMNL 12 WAY CAP HOUSING</p>      |  <p>TE Part # 1-1586683-5<br/>15P UMNL HDR ASSY PC 94VO SL</p> |
|  <p>TE Part # 1586683-9<br/>15P UMNL HDR ASSY PC 94VO SL</p>     |  <p>TE Part # 1586854-1<br/>12P UMNL CAP HSG, GW</p>      |  <p>TE Part # 1-1586683-0<br/>15P UMNL HDR ASSY PC 94VO SL</p> |  <p>TE Part # 1-480709-2<br/>12P UMNL CAP HSG RED</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(670)



Standard Circular Connectors(1)

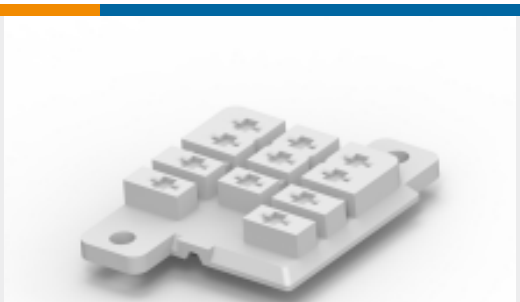
Customers Also Bought



TE Part #1-487526-5  
016 HOUSING FFC RCPT 100CL SR



TE Part #36808  
TERMINAL,SOLIS R 6 1/2



TE Part #1419106-4  
27E046=SOCKET,KU,11,PC,NYL,NAT



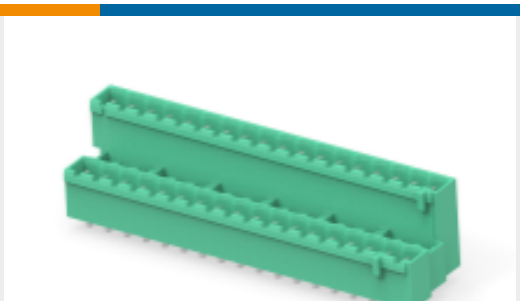
TE Part #36923  
TERMINAL,SOLIS R 2/0 3/8



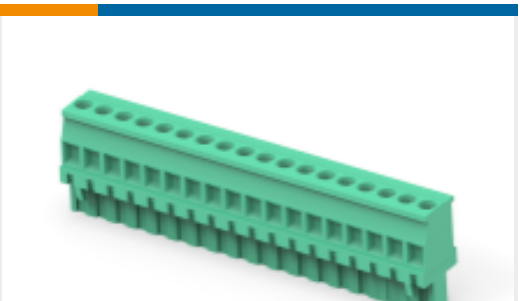
TE Part #33458  
TERMINAL,SOLIS R 12-10 1/4



TE Part #34124  
TERMINAL,SOLIS R 16-14 1/4



TE Part #2-284065-8  
TERMI-BLOK HDR 180, 5,08MM P.M



TE Part #3-284047-0  
Vertical Plug, RH, 5.08mm, Gn,



Documents

Product Drawings

12P UMNL PIN HDR 94VO NDH

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1586176-1\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1586176-1\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1586176-1\_A.3d\_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL

English