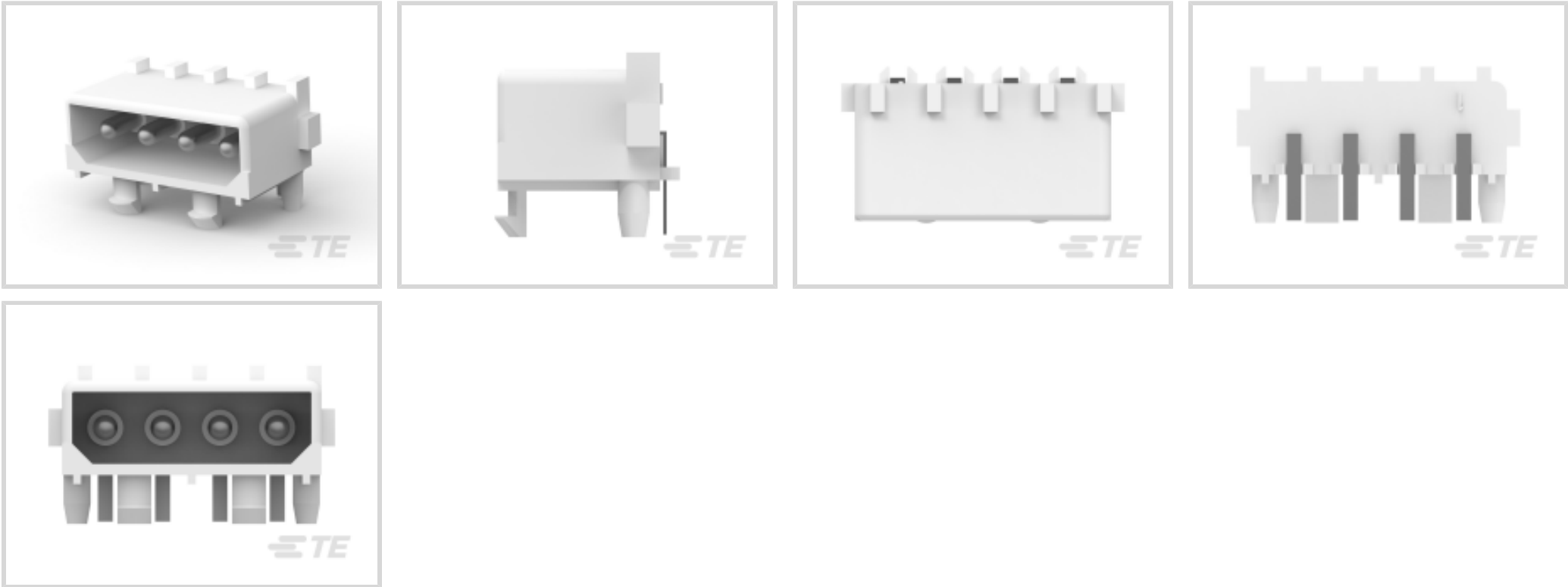




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **4**

Centerline (Pitch): **5.08 mm [.2 in]**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Header Type                       | Fully Shrouded        |
| 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 Signal Positions | 0           |
| Number of Rows             | 1           |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 250 VAC |
|-------------------|---------|



Contact Features

|                                                |                  |
|------------------------------------------------|------------------|
| 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  | Tin              |
| Contact Mating Area Plating Material Thickness | 3.81 μm[150 μin] |

Termination Features

|                                             |                       |
|---------------------------------------------|-----------------------|
| Termination Method to Printed Circuit Board | Through Hole - Solder |
|---------------------------------------------|-----------------------|

Mechanical Attachment

|                          |                |
|--------------------------|----------------|
| PCB Mount Alignment Type | Locating Posts |
| Mating Alignment Type    | Polarization   |
| Mating Retention         | Without        |
| Mating Alignment         | With           |
| PCB Mount Alignment      | With           |
| PCB Mount Retention      | With           |
| PCB Mount Retention Type | Boardlock      |
| Connector Mounting Type  | Board Mount    |

Housing Features

|                    |                |
|--------------------|----------------|
| Centerline (Pitch) | 5.08 mm[.2 in] |
| Housing Color      | Natural        |
| Housing Material   | Zytel          |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

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

Industry Standards

|                        |            |
|------------------------|------------|
| UL Rating              | Recognized |
| Agency/Standard        | UL         |
| Approved Standards     | UL E28476  |
| UL Flammability Rating | UL 94V-2   |



|                  |                               |
|------------------|-------------------------------|
| Glow Wire Rating | Standard Part - Not Glow Wire |
|------------------|-------------------------------|

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 1000 |
| 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: JAN 2023 (233)<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                     | Hand solderable with tin/lead solder                                                                                           |

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

TE Part # 770846-1  
04P CMNL HDR ASSY R/A BLK HT

TE Part # 1-641737-1  
04P CMNL HDR ASSY R/A V0

TE Part # 643488-1  
03P CMNL HDR ASSY R/A

TE Part # 1586534-2  
04P CMNL HDR ASSY SHORT LF



TE Part # 794120-1  
02P CMNL PC HDR ASSY RA

TE Part # 174804-1  
M-N-L PIN HDR W/FIX BELT H 4P

TE Part # 770829-1  
04P CMNL HDR R/A BLK HT T/L

TE Part # 770149-1  
04P CMNL PIN HDR ASSY R/A

TE Part # 794120-2  
02P CMNL PC HDR ASSY RA V0

TE Part # 794697-1  
04P CMNL HDR ASSY R/A PC NATL

Also in the Series | Commercial MATE-N-LOK

Connector Contacts(20)

Connector Seals & Cavity Plugs(1)

Crimp Wire Pins, Tabs & Ferrules(2)

Insertion & Extraction Tools(3)

Power Contacts(129)

Rectangular Caps & Covers(2)

Rectangular Connector Housings(11)

Rectangular Power Connectors(169)

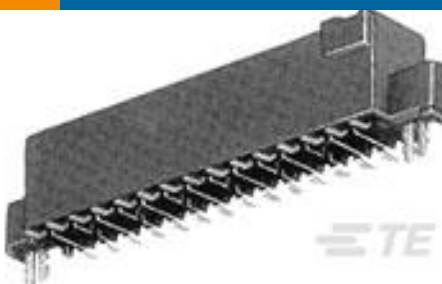
Standard Circular Connectors(2)

Standard Rectangular Connectors(7)

Wire-to-Board Connector Contacts(1)

Customers Also Bought





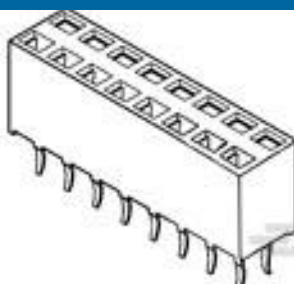
TE Part #5-104652-1  
10 50/50 GRID DRST SFMNT RCPT



TE Part #5-104935-3  
03 MTE HDR SRRA LATCH



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



TE Part #215307-7  
2X7P HV100 REC CON. TE, 7.0MM



TE Part #1-969973-0  
2x10P HV100 REC. CON, SMD, GOLD, BLISTER



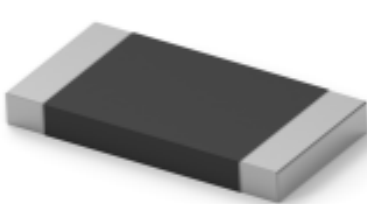
TE Part #1761681-5  
IDC LOW PRO HDR 14P VERT HT BLACK



TE Part #1761681-9  
IDC LOW PRO HDR 26P VERT HT BLACK



TE Part #770182-1  
09P MINI-UMNL ASSY V0 SNNI



TE Part #2-2176421-2  
TLRP 2512 2.0W R033 1% 25PPM 4K RL

Documents

Product Drawings  
4P MNL STIFTSOCKEL

English

CAD Files  
3D PDF

English

Customer View Model  
ENG\_CVM\_827001-2\_G.3d\_igs.zip

English

Customer View Model  
ENG\_CVM\_827001-2\_G.3d\_stp.zip

English

Customer View Model  
ENG\_CVM\_827001-2\_G.2d\_dxf.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Product Specifications



Application Specification

English

Application Specification

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English