



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: **4**

Centerline (Pitch): **5.08 mm [.2 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       | 4        |
| PCB Mount Orientation     | Vertical |
| Number of Power Positions | 4        |
| 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                                   | Socket                        |
| 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 Method to PCB | Through Hole - Solder |
|---------------------------|-----------------------|

Mechanical Attachment

|                         |              |
|-------------------------|--------------|
| Strain Relief           | Without      |
| Mating Alignment Type   | Polarization |
| Mating Retention        | With         |
| Mating Alignment        | With         |
| Mating Retention Type   | Detent Lock  |
| Connector Mounting Type | Board Mount  |

Housing Features

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

Dimensions

|                  |          |
|------------------|----------|
| Connector Height | 11.18 mm |
| Product Width    | 6.22 mm  |
| Product Length   | 20.93 mm |

Usage Conditions

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

Operation/Application

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

Industry Standards

|                                             |                       |
|---------------------------------------------|-----------------------|
| CSA Rating                                  | LR 16455              |
| UL Rating                                   | Certified, Recognized |
| Compatible With Agency/Standards Products   | CSA, UL               |
| 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 | 1       |
| Packaging Method   | Package |

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







TE Part # 1-480426-0  
04P CMNL CAP HSG F/H NATL

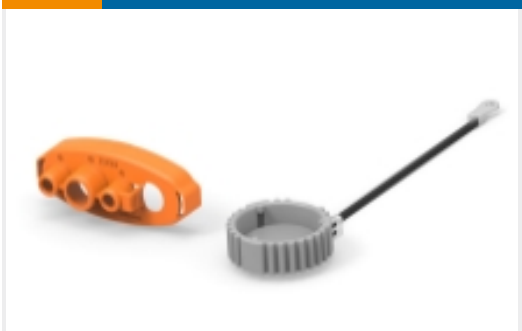


TE Part # 174804-1  
M-N-L PIN HDR W/FIX BELT H 4P



TE Part # 174552-1  
4P C-MNL PIN HDR R/A

Also in the Series | Commercial MATE-N-LOK



Connector Caps & Covers(2)



Connector Contacts(150)



Connector Seals & Cavity Plugs(1)



Crimp Wire Pins, Tabs & Ferrules(2)



Insertion & Extraction Tools(3)



Rectangular Connector Housings(9)



Rectangular Power Connectors(166)



Standard Circular Connectors(2)



Standard Rectangular Connectors(7)

Customers Also Bought



TE Part #6609104-5  
PE0SSS60=C1130



TE Part #1744037-6  
06P EC PWR.200 CL HDR ASSY VRT



TE Part #5-103634-9  
10 MTE HDR SRRA LTCH.100CL LF



TE Part #8-1879212-5  
CPF 0402 17R8 0.1% 25PPM 1K RL





TE Part #2213611-3  
MINI HERM ASSY WITH POSTS -  
SELECT GOLD



TE Part #2-2176326-2  
CRGP 0603 560R 1%



TE Part #9-2176391-2  
RQ 1206 110K 0.1% 10PPM 5K RL



TE Part #T2111020101-000  
HMN-002-MC



TE Part #T2040001060-000  
CMM-6.0

Documents

Product Drawings  
04P CMNL SOK HDR ASSY  
English

CAD Files  
3D PDF  
English  
Customer View Model  
ENG\_CVM\_770997-1\_C.2d\_dxf.zip  
English  
Customer View Model  
ENG\_CVM\_770997-1\_C.3d\_igs.zip  
English  
Customer View Model  
ENG\_CVM\_770997-1\_C.3d\_stp.zip  
English  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_770997-1\_B.2d\_dxf.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_770997-1\_B.3d\_igs.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_770997-1\_B.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