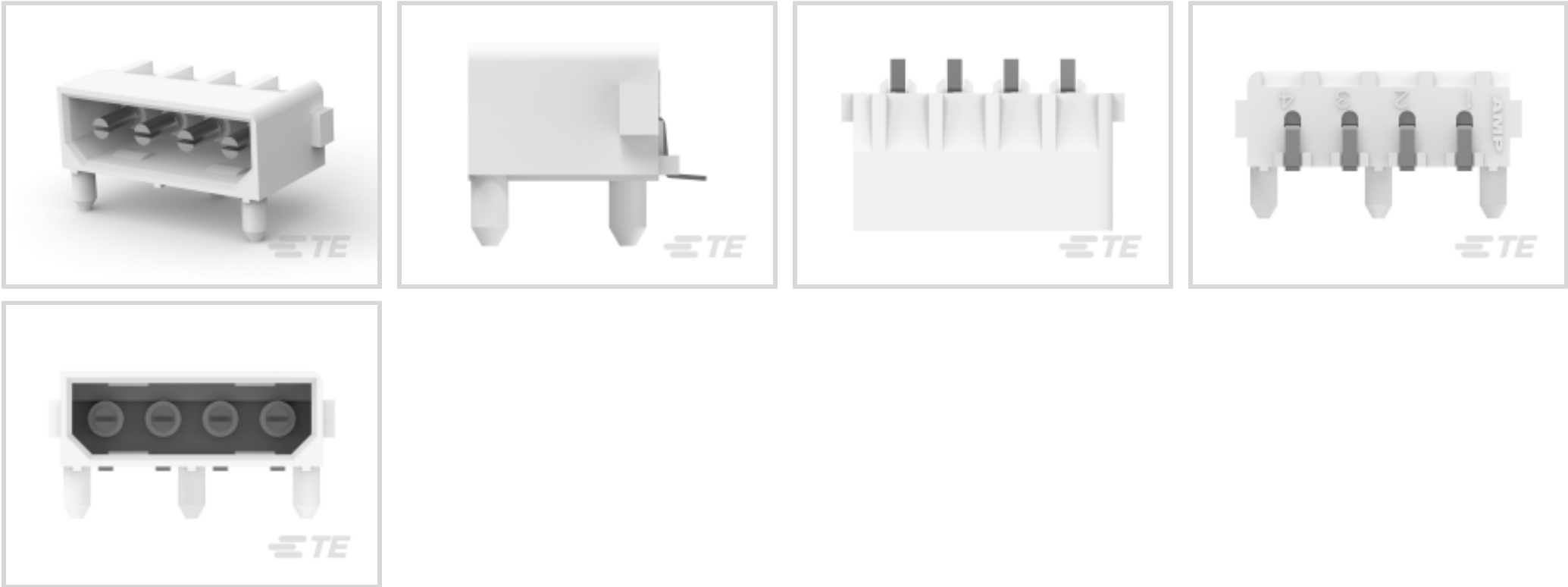




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **4**

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

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Mixed & Hybrid Header             | No                    |
| Connector Shape                   | Rectangular           |
| PCB Connector Type                | PCB Mount Header      |
| Connector System                  | Wire-to-Board         |
| Header Type                       | Fully Shrouded        |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |
| Connector Product Type            | Connector Assembly    |

Configuration Features

|                                  |              |
|----------------------------------|--------------|
| Number of Columns                | 4            |
| Number of Loaded Positions       | 4            |
| Connector Contact Load Condition | Fully Loaded |
| PCB Mount Orientation            | Right Angle  |
| Number of Positions              | 4            |



|                           |   |
|---------------------------|---|
| Number of Rows            | 1 |
| Number of Power Positions | 4 |

Electrical Characteristics

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

Body Features

|                       |         |
|-----------------------|---------|
| Primary Product Color | Natural |
|-----------------------|---------|

Contact Features

|                                                         |                               |
|---------------------------------------------------------|-------------------------------|
| Mating Pin Diameter                                     | 2.18 mm[.086 in]              |
| Contact Size                                            | 2.18mm                        |
| PCB Contact Termination Area Plating Material Thickness | 2.54 – 3.81 μm[100 – 150 μin] |
| Contact Shape & Form                                    | Round                         |
| Contact Layout                                          | Inline                        |
| Contact Base Material                                   | Phosphor Bronze               |
| Contact Mating Area Plating Material                    | Pre-Tin                       |
| Contact Mating Area Plating Material Thickness          | 2.54 – 3.81 μm[100 – 150 μin] |
| Contact Type                                            | Pin                           |
| Contact Current Rating (Max)                            | 12 A                          |
| PCB Contact Termination Area Plating Material           | Pre-Tin                       |

Termination Features

|                                |                 |
|--------------------------------|-----------------|
| Termination Post & Tail Length | 3.05 mm[.12 in] |
| Termination Method to PCB      | Surface Mount   |

Mechanical Attachment

|                          |                |
|--------------------------|----------------|
| Panel Mount Feature      | Without        |
| Mating Retention Type    | Detent Lock    |
| Mating Alignment Type    | Polarization   |
| PCB Mount Alignment Type | Locating Posts |
| PCB Mount Alignment      | With           |
| Mating Retention         | With           |
| PCB Mount Retention      | Without        |
| Connector Mounting Type  | Board Mount    |
| Mating Alignment         | With           |

Housing Features

|  |  |
|--|--|
|  |  |
|--|--|



|                       |                |
|-----------------------|----------------|
| Mating Entry Location | Side           |
| Centerline (Pitch)    | 5.08 mm[.2 in] |
| Housing Material      | Nylon          |

Dimensions

|                             |                   |
|-----------------------------|-------------------|
| Connector Width             | 12.29 mm[.484 in] |
| PCB Thickness (Recommended) | 1.57 mm[.062 in]  |
| Connector Height            | 8.76 mm[.345 in]  |
| Connector Length            | 25.4 mm[1 in]     |

Usage Conditions

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

Operation/Application

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

Industry Standards

|                                             |                               |
|---------------------------------------------|-------------------------------|
| Compatible With Agency/Standards Products   | CSA, UL                       |
| UL Rating                                   | Certified, Recognized         |
| Compatible With Approved Standards Products | UL E28476                     |
| Glow Wire Rating                            | Standard Part - Not Glow Wire |
| UL Flammability Rating                      | UL 94V-2                      |

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 20   |
| Packaging Method   | Tube |

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 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content                               | Low Halogen - Br, Cl, F < 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>

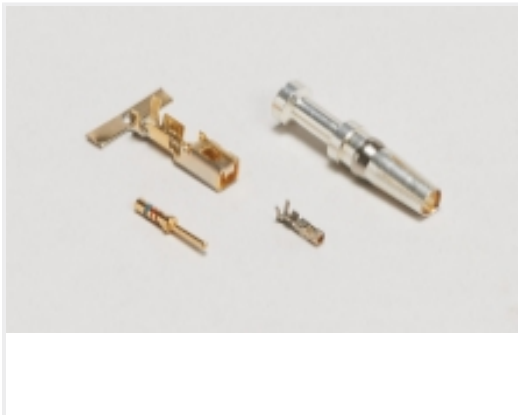
Compatible Parts

|                                                        |                                                         |                                                       |                                                     |
|--------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|
| <br>TE Part # 174520-1<br>4P CMNL PIN HDR ASSY V       | <br>TE Part # 827001-2<br>4P MNL STIFTSOCKEL            | <br>TE Part # 1-641737-1<br>04P CMNL HDR ASSY R/A V0  | <br>TE Part # 794120-1<br>02P CMNL PC HDR ASSY RA   |
| <br>TE Part # 794236-1<br>04P CMNL HDR ASSY V0         | <br>TE Part # 794697-1<br>04P CMNL HDR ASSY R/A PC NATL | <br>TE Part # 350209-1<br>02P CMNL HDR ASSY PC NATL   | <br>TE Part # 1586627-1<br>04P CMNL HDR VRT W/DH LF |
| <br>TE Part # 770846-1<br>04P CMNL HDR ASSY R/A BLK HT | <br>TE Part # 643488-1<br>03P CMNL HDR ASSY R/A         | <br>TE Part # 770829-1<br>04P CMNL HDR R/A BLK HT T/L |                                                     |

Also in the Series | Commercial MATE-N-LOK



Connector Caps & Covers(2)



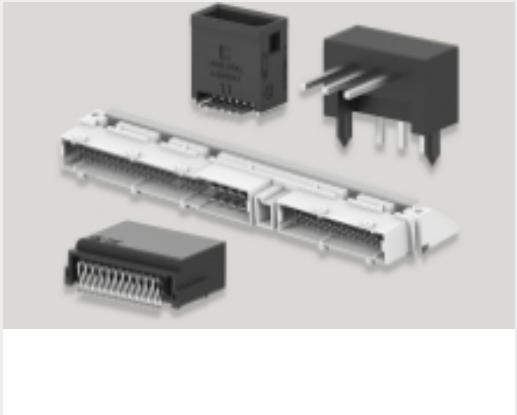
Connector Contacts(150)



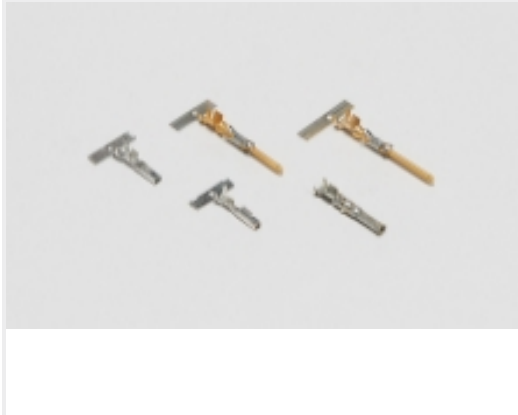
Connector Seals & Cavity Plugs(1)



Insertion & Extraction Tools(3)



PCB Headers & Receptacles(55)



Power Contacts(146)



Rectangular Power Connectors(181)



Standard Circular Connectors(2)



Wire-to-Board Headers & Receptacles  
(55)

Customers Also Bought



TE Part #154763-E  
SMCB 12 M AB VV 7-03 CL \* 0007 137  
E004



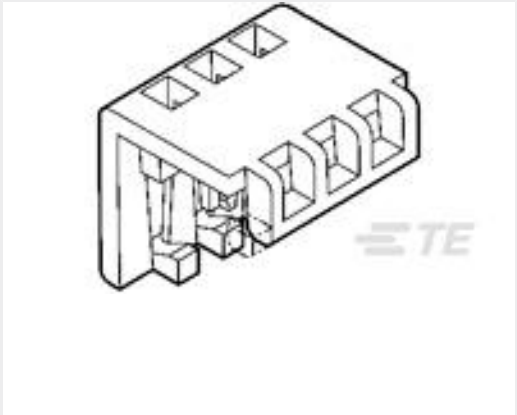
TE Part #806604-000  
222A132-25-0



TE Part #244854-E  
SMCQ 12 M AB VV 8-03 CL \* H007 137  
E005



TE Part #282836-2  
TERMI-BLOK PCB MOUNT 90 2P.  
E005



TE Part #643075-3  
03P MTA100 MOLDED COVER



TE Part #826629-2  
2P AMPMODU II



TE Part #826926-3  
3P AMPMODU II PIN HDR.



TE Part #7-1393243-0  
RT424048



Documents

Product Drawings

04P CMNL PIN HDR ASSY R/A

English

CAD Files

Customer View Model

ENG\_CVM\_770149-1\_C.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_770149-1\_C.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_770149-1\_C.2d\_dxf.zip

English

3D PDF

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Application Specification

English