



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **4**

Number of Rows: **1**

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            |
| Number of Power Positions        | 4            |
| Connector Contact Load Condition | Fully Loaded |
| PCB Mount Orientation            | Vertical     |
| Number of Positions              | 4            |



|                |   |
|----------------|---|
| Number of Rows | 1 |
|----------------|---|

Electrical Characteristics

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

Body Features

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

Contact Features

|                                               |                 |
|-----------------------------------------------|-----------------|
| Contact Size                                  | 2.95mm          |
| Contact Shape & Form                          | Round           |
| Contact Layout                                | Inline          |
| Contact Base Material                         | Phosphor Bronze |
| PCB Contact Termination Area Plating Material | Pre-Tin         |
| Contact Mating Area Plating Material          | Pre-Tin         |
| Contact Type                                  | Socket          |
| Contact Current Rating (Max)                  | 12 A            |

Termination Features

|                                  |                       |
|----------------------------------|-----------------------|
| Termination Post & Tail Diameter | 1.57 mm[.062 in]      |
| Termination Post & Tail Length   | 3.94 mm[.155 in]      |
| Termination Method to PCB        | Through Hole - Solder |

Mechanical Attachment

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

Housing Features

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

Dimensions



|                             |                   |
|-----------------------------|-------------------|
| Connector Width             | 9.65 mm[.38 in]   |
| PCB Thickness (Recommended) | 1.57 mm[.062 in]  |
| Connector Height            | 11.18 mm[.44 in]  |
| Connector Length            | 25.4 mm[1 in]     |
| Profile Height from PCB     | 11.56 mm[.455 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   | UL                            |
| UL Rating                                   | 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 | 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: JAN 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<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

Also in the Series | Commercial MATE-N-LOK

Connector Caps & Covers(2)

Connector Contacts(150)

Connector Seals & Cavity Plugs(1)

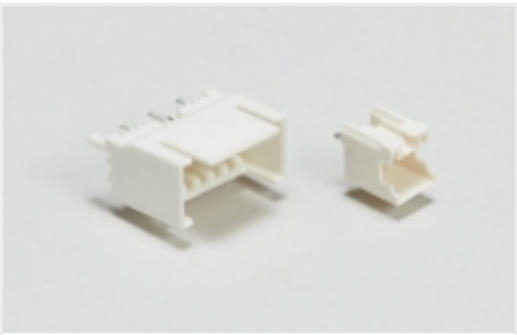
Insertion & Extraction Tools(3)

PCB Headers & Receptacles(56)

Power Contacts(146)

Rectangular Power Connectors(182)

Standard Circular Connectors(2)



Wire-to-Board Headers & Receptacles (56)

Customers Also Bought



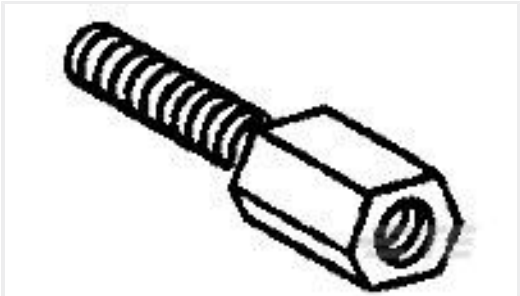
TE Part #620001-000  
D-100-00



TE Part #CAT-C339-SB19B  
Wirewound Resistor: Vertical Mount



TE Part #5747871-8  
09 PLUG SP/FMS INSRT



TE Part #5205818-2  
FEMALE SCREWLOCK,PLTD



TE Part #6-1879338-3  
CPF 0603 118K 1% 50PPM 1K RL



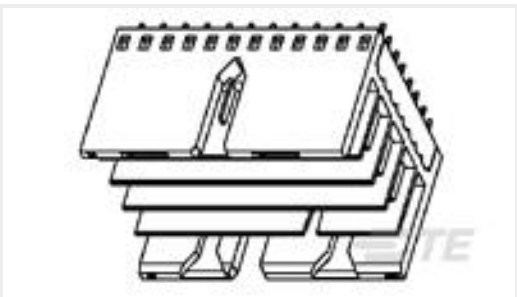
TE Part #1-1478979-0  
SMA STR PCB SKT GSS



TE Part #254960-E  
STVE 160 F ABCDE VVVV 7-00 EEUE 17,0 \*



TE Part #1658998-1  
Mini DIN, 8 pos, R/A, Shield



TE Part #2042088-1  
Vert.Male, Telcordia L2

Documents

Product Drawings  
04P CMNL SOK HDR ASSY  
English

CAD Files  
Customer View Model  
ENG\_CVM\_794285-1\_A.3d\_igs.zip  
English  
Customer View Model



[ENG\\_CVM\\_794285-1\\_A.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_794285-1\\_A.2d\\_dxf.zip](#)

English

3D PDF

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