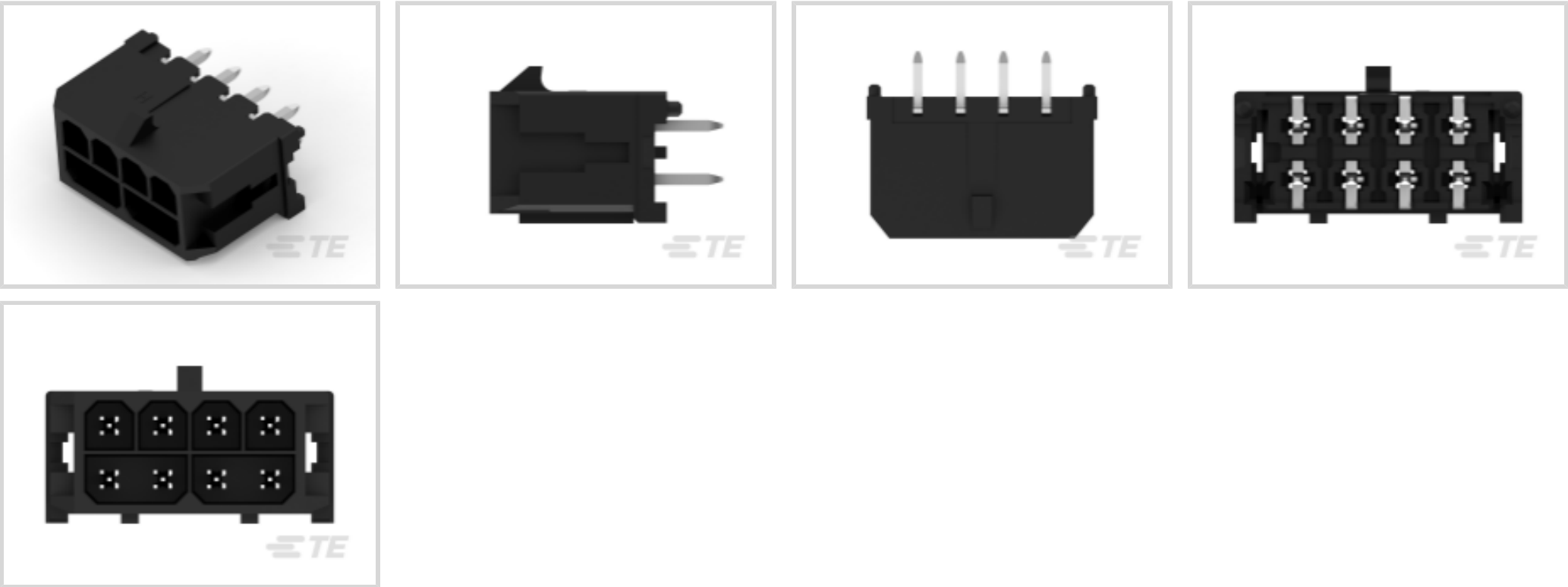




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

Connector System: **Cable-to-Board**

Number of Positions: **8**

Number of Rows: **2**

Features

Product Type Features

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

Configuration Features

|                                 |          |
|---------------------------------|----------|
| Mating & Unmating Configuration | Normal   |
| Number of Power Positions       | 8        |
| PCB Mount Orientation           | Vertical |
| Number of Positions             | 8        |
| Number of Rows                  | 2        |

Electrical Characteristics



|                                                         |                       |
|---------------------------------------------------------|-----------------------|
| Operating Voltage                                       | 600 VDC               |
| Body Features                                           |                       |
| Primary Product Color                                   | Black                 |
| Contact Features                                        |                       |
| Contact Underplating Material                           | Nickel                |
| Contact Underplating Material Thickness                 | 1.27 µm[50 µin]       |
| Contact Mating Area Plating Material Thickness          | 2.54 µm[100 µin]      |
| PCB Contact Termination Area Plating Material Thickness | 2.54 µm[100 µin]      |
| Contact Layout                                          | Matrix                |
| Contact Base Material                                   | Copper Alloy          |
| PCB Contact Termination Area Plating Material           | Tin                   |
| Contact Mating Area Plating Material                    | Tin (Sn)              |
| Contact Type                                            | Pin                   |
| Contact Current Rating (Max)                            | 12.5 A                |
| Termination Features                                    |                       |
| Termination Post & Tail Length                          | 3.18 mm[.125 in]      |
| Termination Method to PCB                               | Through Hole - Solder |
| Mechanical Attachment                                   |                       |
| Mating Retention Type                                   | Locking Tab           |
| Mating Retention                                        | With                  |
| Mating Alignment Type                                   | Polarization          |
| PCB Mount Alignment Type                                | Locating Boss         |
| PCB Mount Retention                                     | Without               |
| PCB Mount Alignment                                     | With                  |
| Connector Mounting Type                                 | Board Mount           |
| Mating Alignment                                        | With                  |
| Housing Features                                        |                       |
| Housing Material                                        | Thermoplastic         |
| Centerline (Pitch)                                      | 3 mm[.118 in]         |
| Dimensions                                              |                       |
| Row-to-Row Spacing                                      | 3 mm[.118 in]         |
| Connector Width                                         | 8.8 mm[.34 in]        |
|                                                         |                       |



|                             |                  |
|-----------------------------|------------------|
| PCB Thickness (Recommended) | 1.57 mm[.062 in] |
| Connector Height            | 9.91 mm[.39 in]  |
| Connector Length            | 16.15 mm[.63 in] |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature (Max) | 105 °C[221 °F]             |
| Operating Temperature Range | -40 – 105 °C[-40 – 221 °F] |

Operation/Application

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

Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 170  |
| Packaging Method   | Tray |

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                   | Out of Scope                                                                                                                  |
| 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

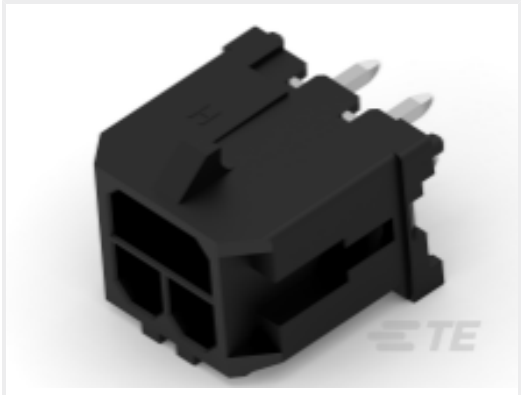


requirements for substances in articles’ posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts



TE Part # 2354120-1  
CA, ELCON Micro 2x4

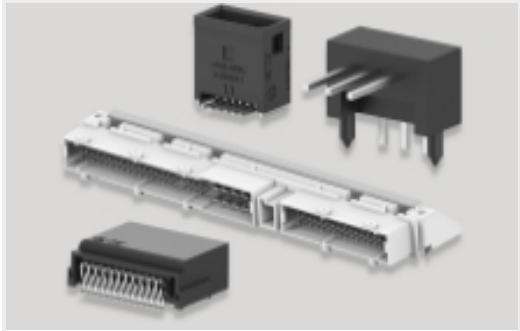


TE Part # 1-2204801-8  
ELCON MICRO,HEADER,VERTICAL DIP,4P



TE Part # 2204748-4  
ELCON MICRO,RECEPTACLE HOUSING,8P

Also in the Series | ELCON Micro



PCB Headers & Receptacles(2)



Rectangular Power Connectors(2)

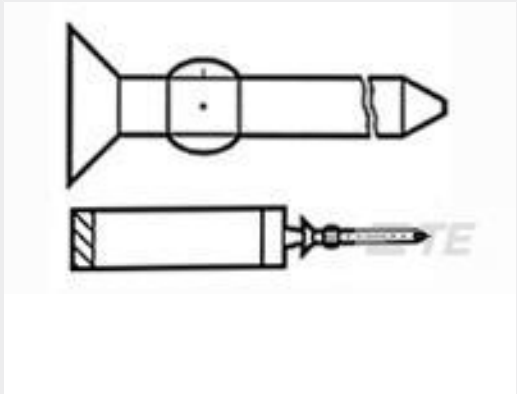
Customers Also Bought



TE Part #2204748-4  
ELCON MICRO,RECEPTACLE HOUSING,8P



TE Part #5745174-1  
CABLE CLAMP KIT,SZ 4



TE Part #641994-1  
MTA100 KEYING PLUG W/



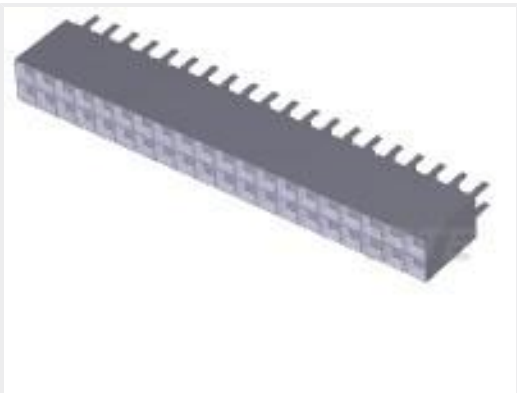
TE Part #4-2328724-5  
45PIN 0.3MMP FPC CONNECTOR, FRONT FLIP



TE Part #2-1825910-7  
FSM14JH=6MM TACT SWITCH, HIGH TEMP



TE Part #1-480426-9  
04P CMNL CAP HSG F/H BLK



TE Part #7-534998-0  
40 MODIV VRT DR CE 100/125



TE Part #292250-3  
CT P/HDR BOX H ASSY 3P W/KINK



TE Part #749806-8  
KIT, HDP-20, RCPT, SIZE 2, 15 PO



TE Part #L9000223-01  
Antenna WiFi6/6E FPC SH 25x20 100 UFL

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_3-2204801-8\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-2204801-8\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-2204801-8\_A.3d\_stp.zip

English

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

Datasheets & Catalog Pages

1-1773956-3-ELCON-Micro-CN

ELCON Micro Power Connectors (EN)

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English