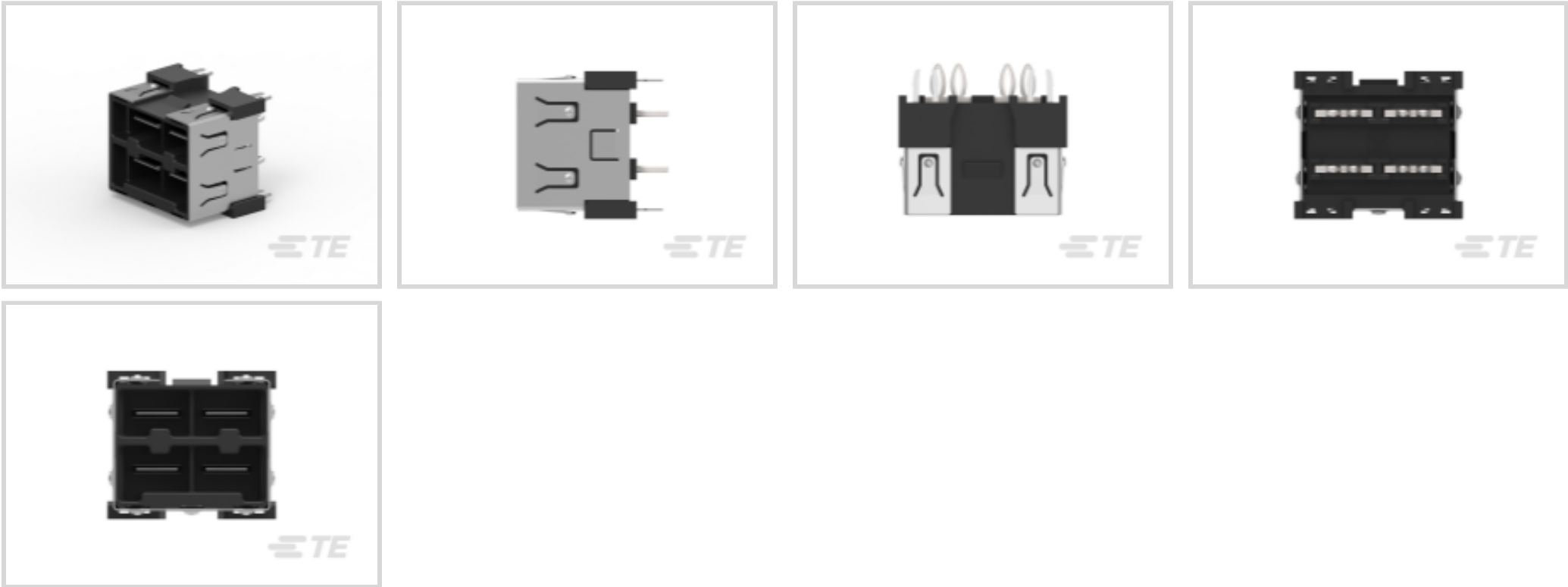




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **4**

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

|                           |          |
|---------------------------|----------|
| Number of Power Positions | 4        |
| PCB Mount Orientation     | Vertical |
| Number of Positions       | 4        |
| Number of Rows            | 2        |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 500 VDC |
|-------------------|---------|



Body Features

|                       |       |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

Contact Features

|                                                |                  |
|------------------------------------------------|------------------|
| Contact Mating Area Plating Material Thickness | 3 μm[118.11 μin] |
| Contact Layout                                 | Matrix           |
| Contact Base Material                          | Copper Alloy     |
| PCB Contact Termination Area Plating Material  | Silver           |
| Contact Mating Area Plating Material           | Silver (Ag)      |
| Contact Type                                   | Tab              |
| Contact Current Rating (Max)                   | 22 A             |

Termination Features

|                                |                          |
|--------------------------------|--------------------------|
| Termination Post & Tail Length | 3.55 mm[.14 in]          |
| Termination Method to PCB      | Through Hole - Press-Fit |

Mechanical Attachment

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

Housing Features

|                    |                                   |
|--------------------|-----------------------------------|
| Housing Material   | LCP GF30 (Liquid Crystal Polymer) |
| Centerline (Pitch) | 7.8 mm[.307 in]                   |

Dimensions

|                             |                  |
|-----------------------------|------------------|
| Row-to-Row Spacing          | 6.24 mm[.246 in] |
| Connector Width             | 16.54 mm[.65 in] |
| PCB Thickness (Recommended) | 1.6 mm[.063 in]  |
| Connector Height            | 13.4 mm[.53 in]  |
| Connector Length            | 18.9 mm[.74 in]  |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature (Max) | 125 °C[257 °F]             |
| Operating Temperature Range | -40 – 125 °C[-40 – 257 °F] |



Operation/Application

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

Industry Standards

|                        |                               |
|------------------------|-------------------------------|
| Glow Wire Rating       | Standard Part - Not Glow Wire |
| UL Flammability Rating | UL 94V-0                      |

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 36   |
| 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                   | 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 2021 (211)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Yet Reviewed for halogen content                                                                                          |
| Solder Process Capability                     | Not reviewed for solder process capability                                                                                    |

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 # 2173200-1  
ELCON MINI 4P CABLE CONN, TRAY  
PACKAGED

TE Part # 2173168-1  
ELCON MINI 4P SHIELDED CABLE  
PLUG KIT

TE Part # 2304890-1  
CA, ET, 4POS, NO PULL-TAB, NO  
DETECT, SHIEL

TE Part # 2304889-1  
CA, ET, 4POS, NO PULL-TAB, NO  
DETECT, NO S

Also in the Series | ELCON Mini

Insertion & Extraction Tools(1)

PCB Headers & Receptacles(19)

Rectangular Connector Housings(6)

Rectangular Power Connectors(25)

Standard Rectangular Connectors(6)

Customers Also Bought

TE Part #5-103635-4  
05 MTE HDR SRRA LTCH.100CL LF

TE Part #1-1393210-3  
T9AS1D12-12

TE Part #1-1825006-3  
GDS0804=DIP SW,SLIDE,THRU/HL

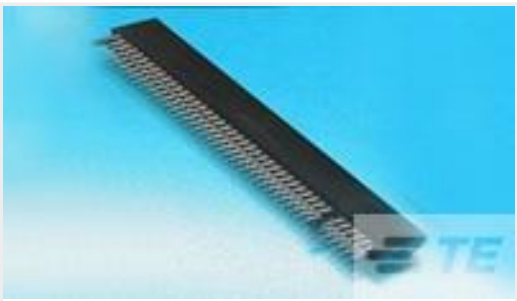
TE Part #1825057-3  
ADE0404=DIP SWITCH,EXT,THRU/HL

TE Part #640454-2  
02P MTA100 HDR ASSY SQ STR POL

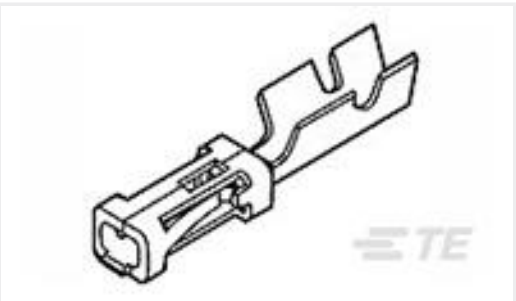
TE Part #1-640445-0  
10P MTA156 HDR ASSY FL/STR SN

TE Part #1-282851-2  
TERMI-BLOK PCB MOUNT 180 12P.

TE Part #2173132-1  
ELCON MINI 4P VERT HEADER,  
UNSHIELDED, SOL



TE Part #5530843-4  
CONN SEC II 22 POS 100C/L



TE Part #87046-4  
MOD IV RECP LP

Documents

Product Drawings

ELCON MINI 4P VERT HEADER,SHIELDED,P/F

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2173211-2\_A3.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2173211-2\_A3.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2173211-2\_A3.3d\_stp.zip

English

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

Datasheets & Catalog Pages

ELCON Mini Power Interconnects QRG (English)

English

Product Specifications

Application Specification

English

Agency Approvals

UL

English