# 2178186-4 ✔ ACTIVE

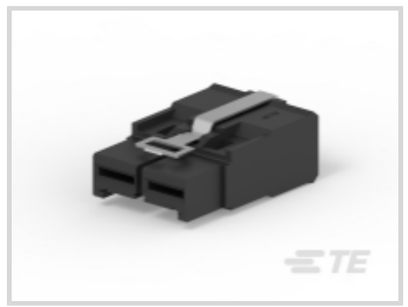
ELCON | ELCON Mini

TE Internal #: 2178186-4

Housing, Receptacle, Wire-to-Board, 2 Position, 7.8 mm [.307 in] Centerline, Wire & Cable, UL 94V-0, ELCON Mini, Rectangular Power Connectors

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors







Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **2**

Centerline (Pitch): **7.8 mm [ .307 in ]**

## Features

### Product Type Features

| | |
|---|---|
| Rectangular Power Connector Type | Housing |
| Connector & Housing Type | Receptacle |
| Connector System | Wire-to-Board |
| Sealable | No |
| Connector & Contact Terminates To | Wire & Cable |

### Configuration Features

| | |
|---|---|
| Compatible With Wire & Cable Type | Discrete Wire |
| Number of Positions | 2 |
| Number of Power Positions | 2 |
| Number of Signal Positions | 0 |
| Number of Rows | 1 |

### Electrical Characteristics

| | |
|---|---|
| Insulation Resistance | 1000 MΩ |
| Operating Voltage | 500 VDC |

## Contact Features

| | |
|---|---|
| Wire Contact Termination Area Plating Thickness | .8 µm[.8 µin] |
| Contact Mating Area Plating Material | Silver |
| Contact Base Material | Copper Alloy |
| Contact Current Rating (Max) | 30 A, 40 A |
| Contact Retention Within Housing | With |
| Contact Type | Receptacle |
| Contact Mating Area Plating Material Thickness | .8 µm[31.49 µin] |

## Termination Features

| | |
|---|---|
| Termination Method to Wire & Cable | Crimp |

## Mechanical Attachment

| | |
|---|---|
| Mating Alignment Type | Polarization |
| Mating Retention | With |
| Mating Alignment | With |
| PCB Mount Retention | Without |
| Mating Retention Type | Locking Latch |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

## Housing Features

| | |
|---|---|
| Centerline (Pitch) | 7.8 mm[.307 in] |
| Housing Color | Black |
| Housing Material | PBT GF |

## Dimensions

| | |
|---|---|
| Connector Height | 25 mm[.98 in] |
| Product Length | 15.7 mm[.61 in] |
| Wire Size | 10 CMA |
| Row-to-Row Spacing | 7.8 mm[.307 in] |

## Usage Conditions

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

## Operation/Application

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

## Industry Standards

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

| | |
|---|---|
| Glow Wire Rating | Standard Part - Not Glow Wire |

### Packaging Features

| | |
|---|---|
| Packaging Quantity | 130 |
| 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: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Not applicable 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 # 1982295-1
ELCON MINI 2P RA HEADER, W /CODING

## Also in the Series | ELCON Mini



Insertion & Extraction Tools(1)



Rectangular Power Connectors(32)

## Customers Also Bought



TE Part #2042274-2
ELCON MINI 2P VERT HEADER,W/O CODING



TE Part #1982295-2
ELCON MINI 2P RA HEADER,W/O CODING



TE Part #2173132-2
ELCON MINI 4P VERT HEADER, UNSHIELDED,P/F



TE Part #2173211-1
ELCON MINI 4P VERT HEADER, SHIELDED,SOL



TE Part #2204585-2
ELCON MINI 3P VERT HEADER, SOLDER,T/P



TE Part #2204585-3
ELCON MINI 3P VERT HEADER,PRESS-FIT,STD



TE Part #7-2176367-7
RQ 0603 28K7 0.1% 10PPM 1K RL



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



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

## Documents

### Product Drawings

ELCON MINI 2P CABLE CONN,6MM2,W/O CODING

English

### CAD Files

3D PDF

3D

## Customer View Model

ENG_CVM_CVM_2178186-4_B.2d_dxf.zip

English

## Customer View Model

ENG_CVM_CVM_2178186-4_B.3d_igs.zip

English

## Customer View Model

ENG_CVM_CVM_2178186-4_B.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

## Product Specifications

### Application Specification

English

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## TE Connectivity:

1-962915-1 1393431-1 141991-2 1743455-2 2310537-1 3430B2F51RTDF ROX05SJ18R TE50BR39J 1-794222-0 2-292161-3 CPF0402B37K4E1 SBCHE64R7K SMW73R0JT 2005330-1 3-1393225-0 CRGCQ2010J3K3 2380312-2 2834055-1 917696-1 RH73H2A40MKTN 1903112-2 650075-000 SBCHE154R7K U5254-000005-030PA 1969656-1 175977-2 3631B101LL 936348-1 MPT100C18RF 2377783-2