

2178186-4 ✓ ACTIVE

ELCON | ELCON Mini

TE Internal #: 2178186-4

Housing, Receptacle, Wire-to-Board, 2 Position, 7.8 mm [.307 in]

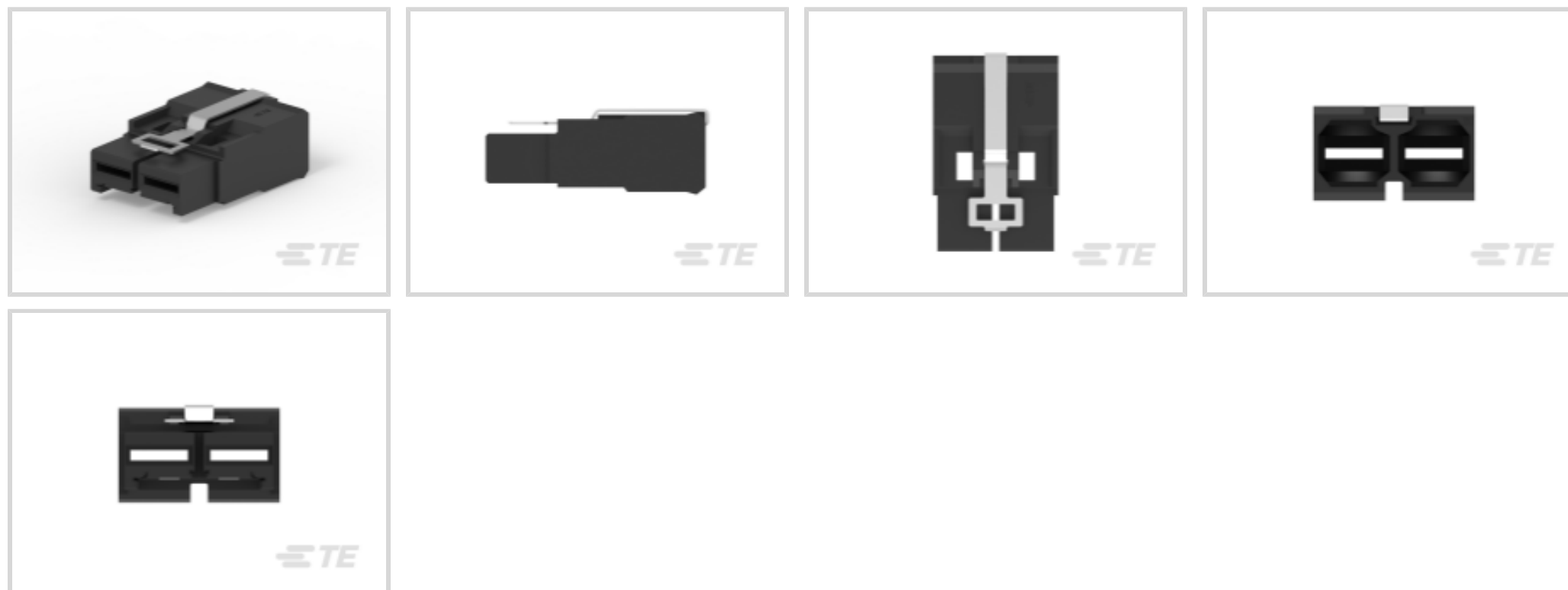
Centerline, Wire & Cable, UL 94V-0, ELCON Mini, Rectangular

Power Connectors

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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 $\mu\text{m}$ [.8 $\mu\text{in}$ ]
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 $\mu\text{m}$ [31.49 $\mu\text{in}$ ]

### Termination Features

Termination Method to Wire & Cable	Crimp
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### 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 $^{\circ}\text{C}$ [-40 – 257 $^{\circ}\text{F}$ ]
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### Operation/Application

Circuit Application	Power
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### Industry Standards

UL Flammability Rating	UL 94V-0
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Glow Wire Rating	Standard Part - Not Glow Wire
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**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) Candidate List Declared Against: JUNE 2024 (241) 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**





## 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



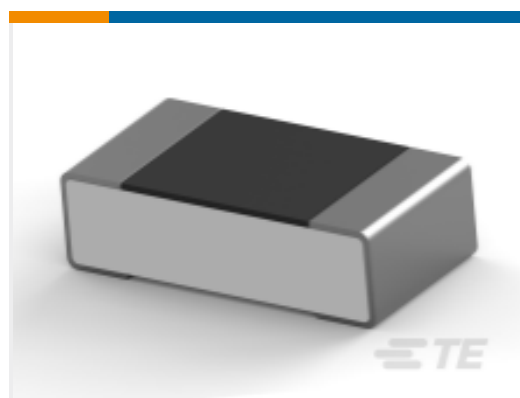
TE Part #2173211-1  
ELCON MINI 4P VERT HEADER, SHIELDED, SOL



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

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**Product Specifications**

[Application Specification](#)

English