

2178186-3 ✓ ACTIVE

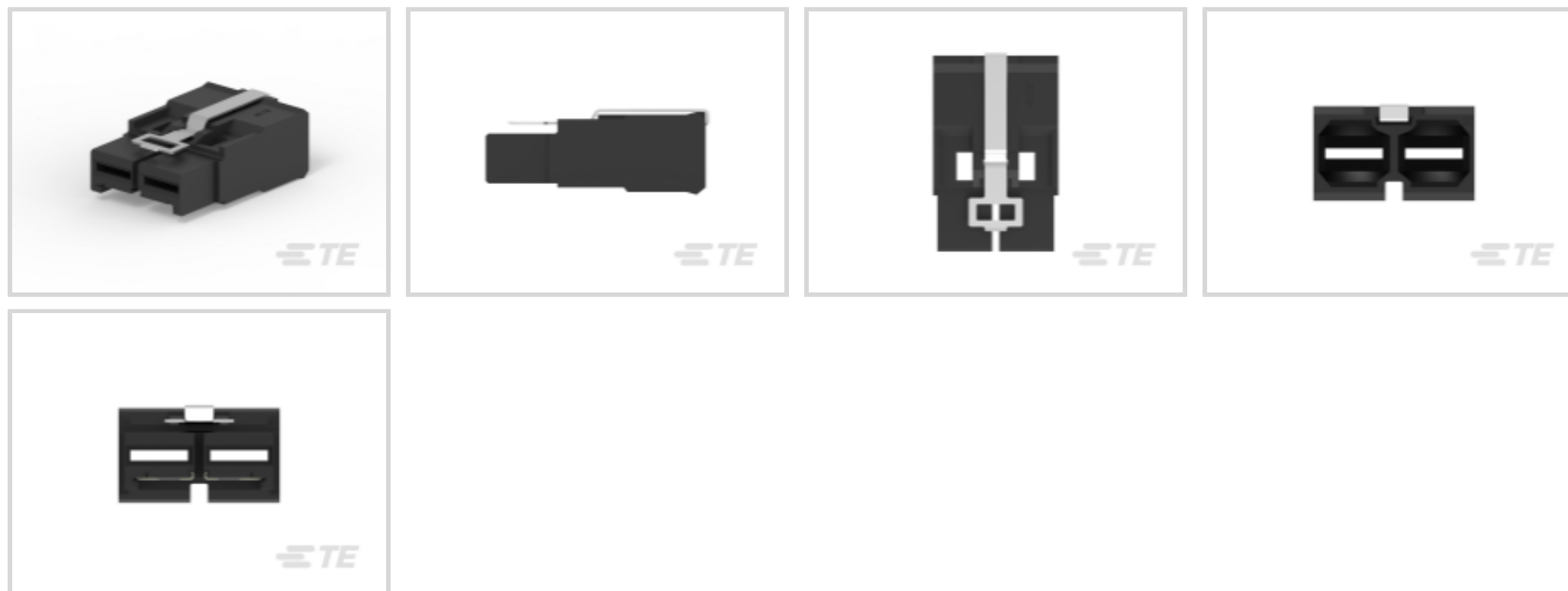
TE Internal #: 2178186-3

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

[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

Number of Positions	2
Number of Power Positions	2
Number of Signal Positions	0
Number of Rows	1

### Electrical Characteristics

Operating Voltage	500 VDC
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### Contact Features

Contact Mating Area Plating Material	Silver
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Contact Current Rating (Max)	40 A
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Contact Retention Within Housing	With
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Contact Type	Receptacle
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Contact Mating Area Plating Material Thickness	.8 $\mu\text{m}$ [31.49 $\mu\text{in}$ ]
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#### Termination Features

Termination Method to Wire & Cable	Crimp
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#### Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
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#### Housing Features

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

Wire Size	10 CMA
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Row-to-Row Spacing	7.8 mm[.307 in]
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#### Usage Conditions

Operating Temperature Range	-40 – 125 °C[-40 – 257 °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 Method	Tray
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#### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235)
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Candidate List Declared Against: JUNE 2023 (235)  
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

## Customers Also Bought



TE Part #2098557-1  
2POS, MCON 1.2 CB REC 2p TL SEALED



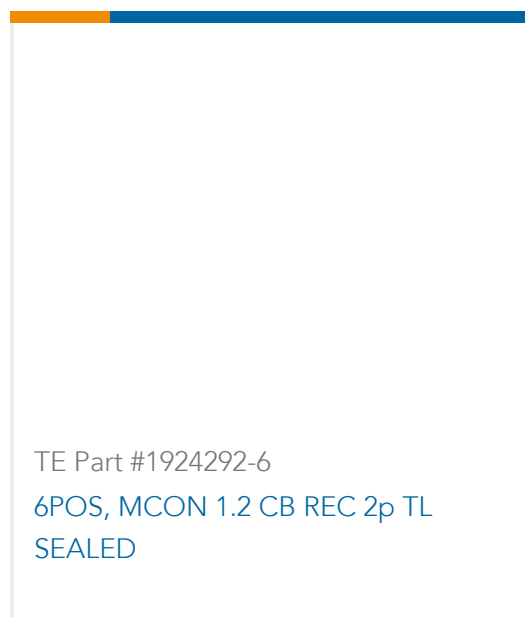
TE Part #1318774-2  
TH/.025 CONNECTOR SYSTEM, HOUSING



TE Part #1376350-2  
025 I/O CAP HSG ASSY 8P



TE Part #1-1414995-0  
V23230D2001B200



## Documents

### Product Drawings

[ELCON MINI 2P CABLE CONN,6MM2,W/ \(B\)](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2178186-3\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2178186-3\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2178186-3\\_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