2178186-4 ✔ ACTIVE

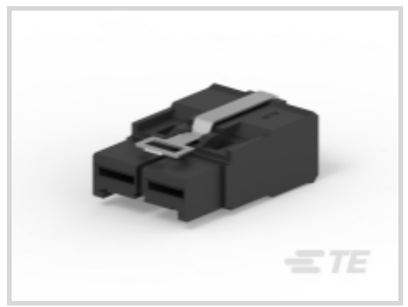
ELCON | ELCON Mini

TE Internal #: 2178186-4

2 Position, Receptacle, Housing, Crimp, Wire-to-Board, Silver (Ag), UL 94V-0, 7.8 mm [.307 in] Centerline, 1 Row, 500 VAC, Wire & Cable, ELCON Mini

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors







Connector Product Type: **Housing**

Mating Alignment: **With**

Mating Alignment Type: **Polarization**

Connector & Housing Type: **Receptacle**

Mating Retention Type: **Locking Latch**

Features

Product Type Features

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

Electrical Characteristics

Insulation Resistance	1000 MΩ
Operating Voltage	500 VDC

Body Features

Primary Product Color	Black

Contact Features

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

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Mating Alignment	With
Mating Alignment Type	Polarization
Mating Retention Type	Locking Latch
Mating Retention	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Centerline (Pitch)	7.8 mm[.307 in]
Housing Material	PBT GF

Dimensions

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

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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

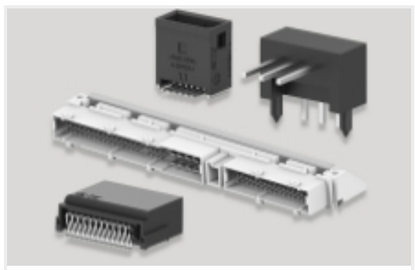
Compatible Parts



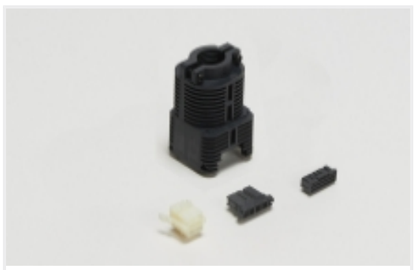
TE Part # 1982295-1
ELCON MINI 2P RA HEADER, W /CODING

2 Position, Receptacle, Housing, Crimp, Wire-to-Board, Silver (Ag), UL 94V-0, 7.8 mm [.307 in] Centerline, 1 Row, 500 VAC, Wire & Cable, ELCON Mini

Also in the Series | ELCON Mini



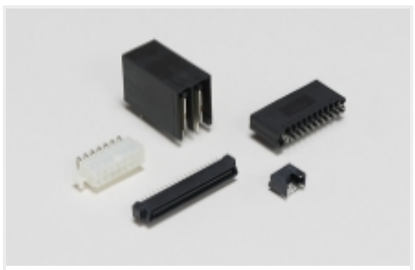
PCB Headers & Receptacles(19)



Rectangular Connector Housings(6)



Rectangular Power Connectors(25)



Standard Rectangular Connectors(6)



Wire-to-Board Connector Assemblies & Housings(5)

Customers Also Bought



TE Part #193839-1
SKT HDR, RIGHT ANGLE



TE Part #770017-1
02P UMNLII IN-LNE PLUG HSG KIT



TE Part #1982295-1
ELCON MINI 2P RA HEADER, W /CODING



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

TE Part #1982299-3
ELCON MINI 2P CABLE CONN,WITH CODING(B)

TE Part #1982299-4
ELCON MINI 2P CABLE CONN,W/O CODING

TE Part #1982299-6
ELCON MINI 2P CABLE CONN,W/O , FLUSHED

TE Part #2178186-3
ELCON MINI 2P CABLE CONN,6MM2, W/ (B)



TE Part #2204534-1
ELCON MINI 3P CABLE CONN,PULL-TAB



TE Part #2304883-1
CA,ET, 2POS, SHORT PULL-TAB,NO DETECT

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