

1982295-1 ✓ ACTIVE

ELCON | ELCON Mini

TE Internal #: 1982295-1

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 2  
Position, 3.5 mm / 7.8 mm [.137 in / .307 in] Centerline, ELCON Mini

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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

Number of Positions: **2**

Centerline (Pitch): **3.5 mm, 7.8 mm [ .137 in, .307 in ]**

## Features

### Product Type Features

Header Type	Fully Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Plug
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Number of Positions	2
PCB Mount Orientation	Horizontal, Right Angle
Number of Power Positions	2
Number of Signal Positions	0
Number of Rows	1

### Electrical Characteristics

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



### Contact Features

Contact Current Rating (Max)	35 A, 40 A
Contact Retention Within Housing	With
Contact Type	Tab
PCB Contact Termination Area Plating Material	Silver
Contact Mating Area Plating Material	Silver
Contact Mating Area Plating Material Thickness	.076 $\mu\text{m}$ [3 $\mu\text{in}$ ]

### Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
---	-----------------------

### Mechanical Attachment

Connector Mounting Type	Board Mount
-------------------------	-------------

### Housing Features

Centerline (Pitch)	3.5 mm, 7.8 mm [.137 in][.307 in]
Housing Color	Black
Housing Material	LCP GF30 (Liquid Crystal Polymer)

### Dimensions

Row-to-Row Spacing	7.8 mm [.307 in]
--------------------	------------------

### Usage Conditions

Operating Temperature Range	-40 – 125 $^{\circ}\text{C}$ [-40 – 257 $^{\circ}\text{F}$ ]
-----------------------------	--

### Operation/Application

Assembly Process Feature	Pick and Place Cover
Circuit Application	Power

### Industry Standards

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

### Packaging Features

Packaging Method	Reel
------------------	------

### 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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Pin-in-Paste capable to 260°C

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

 <p>TE Part # 1982299-4 ELCON MINI 2P CABLE CONN,W/O CODING</p>	 <p>TE Part # 1982299-6 ELCON MINI 2P CABLE CONN,W/O , FLUSHED</p>	 <p>TE Part # 2304883-1 CA,ET, 2POS, SHORT PULL-TAB,NO DETECT</p>	 <p>TE Part # 1982299-1 ELCON MINI 2P CABLE CONN,WITH CODING(R)</p>
 <p>TE Part # 1982299-2 ELCON MINI 2P CABLE CONN,WITH CODING(L)</p>	 <p>TE Part # 1982299-3 ELCON MINI 2P CABLE CONN,WITH CODING(B)</p>	 <p>TE Part # 2178186-4 ELCON MINI 2P CABLE CONN,6MM2, W/O CODING</p>	 <p>TE Part # 2178186-3 ELCON MINI 2P CABLE CONN,6MM2, W/ (B)</p>




TE Part # 1982299-8  
ELCON MINI 2P CABLE CONN,W/O ,  
FLUSHED



TE Part # 2178186-1  
CABLE PLUG WITH DETECTION  
CONTACTS, 6mm2



TE Part # 2178186-2  
CABLE PLUG WITH DETECTION  
CONTACTS, 6mm2

TE Part # 2360879-1  
2P Elcon Mini to 2P Elcon Mini Cable  
Ass

TE Part # 2246068-3  
ELCON MINI 2P CABLE CONN,STD  
PULL-TAB

TE Part # 2246068-9  
ELCON MINI 2P CABLE CONN,W/O  
PULL TAB

TE Part # 2367772-3  
ELCON MINI 2P CABLE CONN,W/O  
CODING

TE Part # 2367772-4  
ELCON MINI 2P CABLE CONN,W/O  
CODING

TE Part # 2375479-1  
2PET ELCON MINI KIT

Also in the Series | **ELCON Mini**



Insertion & Extraction Tools(1)



Power Cable Assemblies(6)



Rectangular Power Connectors(32)

Documents

**Product Drawings**

ELCON MINI 2P RA HEADER, W/CODING

English

**CAD Files**

3D PDF

3D

Customer View Model



[ENG\\_CVM\\_CVM\\_1982295-1\\_A\\_c-1982295-1-a.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1982295-1\\_A\\_c-1982295-1-a.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1982295-1\\_A\\_c-1982295-1-a.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

[Application Specification](#)

English

---

### Product Environmental Compliance

[MD\\_1982295-1\\_1128201749\\_dmtec](#)

English

[MD\\_1982295-1\\_1128201749\\_dmtec](#)

English