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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

|                                       |         |
|---------------------------------------|---------|
| Dielectric Withstanding Voltage (Max) | 750 VAC |
| Operating Voltage                     | 500 VDC |
| Insulation Resistance                 | 1000 MΩ |



Contact Features

|                                                |                 |
|------------------------------------------------|-----------------|
| Contact Base Material                          | Copper Alloy    |
| Contact Current Rating (Max)                   | 26 A, 40 A      |
| Contact Retention Within Housing               | With            |
| Contact Type                                   | Socket          |
| Contact Mating Area Plating Material           | Silver          |
| Contact Mating Area Plating Material Thickness | .8 µm[76.2 µin] |
| Contact Termination Area Plating Thickness     | .8 µm[.8 µin]   |

Termination Features

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

Mechanical Attachment

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

Housing Features

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

Dimensions

|                    |                 |
|--------------------|-----------------|
| Wire Size          | 12 – 14 CMA     |
| Row-to-Row Spacing | 7.8 mm[.307 in] |
| Height             | 8.25 mm         |
| Length             | 25 mm           |

Usage Conditions

|                             |                                                        |
|-----------------------------|--------------------------------------------------------|
| Operating Temperature Range | -40 – 125 °C, -40 – 125 °C[-40 – 257 °F][-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 Method   | Tray |
| Packaging Quantity | 1950 |

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: JAN 2021 (211)<br>Candidate List Declared Against: JAN 2021 (211)<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 # 1982295-2  
ELCON MINI 2P RA HEADER, W/O CODING



TE Part # 2042274-6  
ELCON MINI 2P VERT HEADER, PRESS-FIT, W/O



TE Part # 1982295-4  
ELCON MINI 2P RA HEADER, GOLD, W/O CODING



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



TE Part # 1982295-6  
ELCON MINI 2P RA HEADER, GOLD, W/O CODING

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

TE Part # 1579038-2  
EXTRACTION TOOL

TE Part # 2042274-7  
ELCON MINI 2P VERT HEADER, PRESS-FIT, W/HD

Also in the Series | ELCON Mini

Insertion & Extraction Tools(1)

Power Cable Assemblies(6)

Rectangular Power Connectors(32)

Customers Also Bought

TE Part #166292-1  
D-Sub Conn Contacts: Socket, Phosphor Bronze, Signal, Size 20

TE Part #1888653-3  
2X1 OFFSET ST/JK WITH LEDS

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

TE Part #1658660-1  
D-Sub Crimp Recpt Signal 37 Posn, Socket Size 20, Shell Size 4

TE Part #2-1440002-3  
STD SCHRACK RZF Power Relays

TE Part #CQ53593001  
C6A-24B134XN1FA-0CK9500

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

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

TE Part #1-1969540-2  
HOUSING, PLUG, 12P, DUAL ROW, EP2.5

TE Part #1747995-1  
GHC EYELET 6.2 3POS PLUG HOUSING NATURAL



Documents

Product Drawings

ELCON MINI 2P CABLE CONN,W/O CODING

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1982299-4\_B.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1982299-4\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1982299-4\_B.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

POWER\_CONNECTORS\_CATALOG\_SEC02\_CABLE\_MOUNTED

English

Product Specifications

Application Specification

English

Product Environmental Compliance

MD\_1982299-4\_12262016412\_dmtec

English

MD\_1982299-4\_12262016412\_dmtec

English