



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

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
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Contact Features



Contact Current Rating (Max)	35 A, 40 A
Contact Retention Within Housing	With
Contact Type	Pin
PCB Contact Termination Area Plating Material	Silver
Contact Mating Area Plating Material	Silver
Contact Mating Area Plating Material Thickness	.076 μm[3 μin]

Termination Features

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

Connector Mounting Type	Board Mount
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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]
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Usage Conditions

Operating Temperature Range	-40 – 125 °C, -40 – 125 °C[-40 – 257 °F][-40 – 257 °F]
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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
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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) Candidate List Declared Against: JAN 2021 (211) 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

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



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

Also in the Series | ELCON Mini

Insertion & Extraction Tools(1)

Power Cable Assemblies(6)

Rectangular Power Connectors(32)

Customers Also Bought

TE Part #1761028-4
D-Sub Receptacle Assembly: Right
Angle, 1.27mm

TE Part #1489951-1
XFP Cage Assemblies and Kits

TE Part #1888247-1
SFP Connectors

TE Part #1871303-1
DYNAMIC 1000 CONTACT

TE Part #1367147-1
SFP COVER, UNPLATED

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

TE Part #1-5353188-1
.6FHP08H,160,S,GIG,08/Sn,TR,NSYes

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

TE Part #1-5353190-1
.6FHR04H,160,S,GIG,08/Sn,TR,NSNo

TE Part #T4112002052-000
M12,FEMALE,RA,A CODE,5P,PG9,
SILVER



Documents

Product Drawings

ELCON MINI 2P RA HEADER, W/CODING

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1982295-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1982295-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1982295-1_B.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