

1982295-6 ✓ ACTIVE

ELCON | ELCON Mini

TE Internal #: 1982295-6

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

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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

Insulation Resistance	1000 MΩ
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Operating Voltage	500 VDC
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Contact Features

PCB Contact Termination Area Plating Material Thickness	.8 μ m
Contact Layout	Inline
Contact Mating Area Plating Material	Silver
Contact Base Material	Copper Alloy
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 Thickness	.076 μ m[3 μ in]

Termination Features

Termination Method to PCB	Through Hole - Solder
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Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Polarization
Mating Retention	Without
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Hole
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

Connector Height	8 mm
Product Length	18.2 mm
Row-to-Row Spacing	7.8 mm [.307 in]

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
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	200
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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 # 1982299-1
ELCON MINI 2P CABLE CONN,WITH
CODING(R)

Also in the Series | ELCON Mini

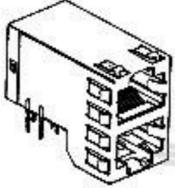


Insertion & Extraction Tools(1)



Rectangular Power Connectors(32)

Customers Also Bought



TE Part #6368168-4
2X1 OFFSET MJ,LED(G/Y,G/Y)12PN



TE Part #1571563-8
FSM4JSMLTR=TACT SWITCH,SMT,
T&R



TE Part #1551920-4
zQSFP+ connector assembly



TE Part #2170567-7
1X4 QSFP KIT ASSY W/ LP,
CUSTOMERIZED HS



TE Part #2-2176558-3
3430 B2 1% 7R5 100ppm 1k RL



TE Part #2372928-2
QSFP112 Receptacle Assembly, Au,
Washer



TE Part #2-2232980-3
03P MTA100 HDR ASSY SM 30AU W
RR



TE Part #6-2338495-1
CAGE ASSEMBLY, 2 LP PER PORT,
1X4, QSFP



TE Part #2355966-1
CAGE ASSEMBLY, QSFP28, 1X2, W/
HEAT SINK



TE Part #2379622-1
CA, ET HAR001007



Documents

Product Drawings

[ELCON MINI 2P RA HEADER,GOLD,W/O CODING](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1982295-6_2_c-1982295-6-2.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1982295-6_2_c-1982295-6-2.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1982295-6_2_c-1982295-6-2.3d_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

[Quality Specification](#)

English