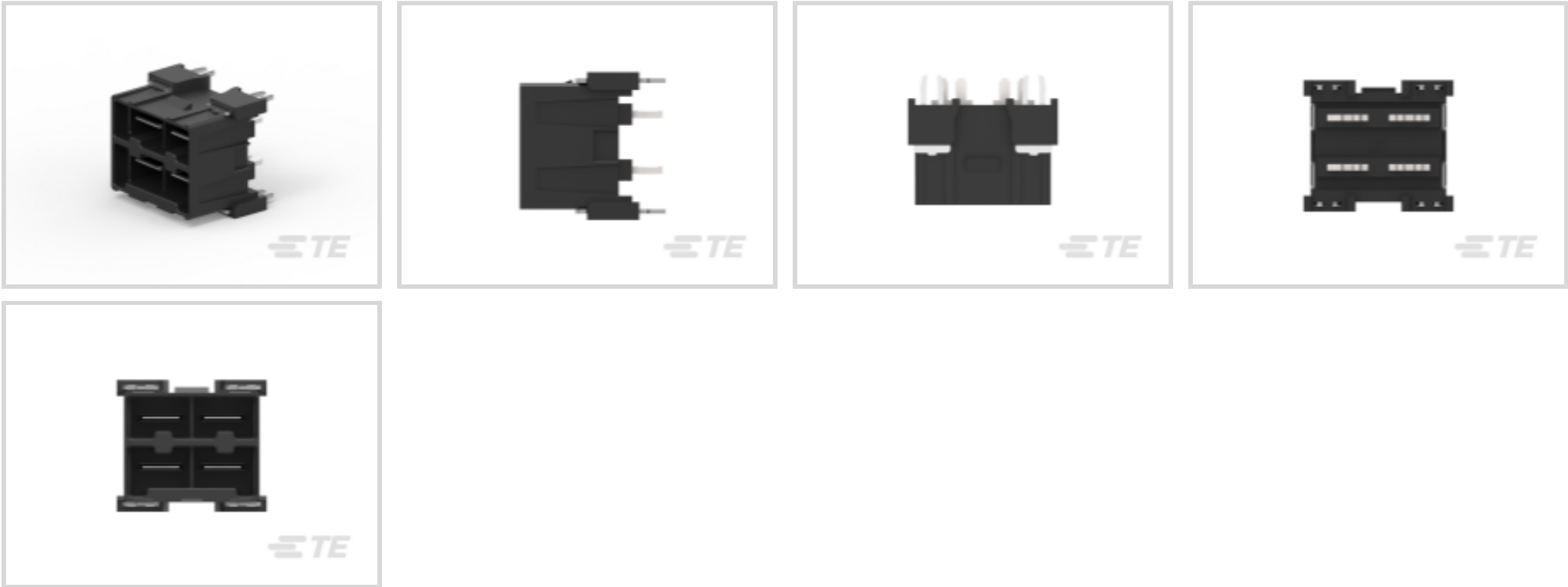




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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

Number of Positions: **4**

Centerline (Pitch): **7.8 mm [.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	4
PCB Mount Orientation	Vertical
Number of Power Positions	4
Number of Signal Positions	0
Number of Rows	2

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	750 VAC
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Operating Voltage	60 VDC
Insulation Resistance	1000 MΩ

Contact Features

Contact Base Material	Copper Alloy
Contact Current Rating (Max)	20 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	3 μm[76.2 μin]
Contact Termination Area Plating Thickness	3 μm[118.1 μin]

Termination Features

Termination Post & Tail Length	2.95 mm
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Polarization
Mating Alignment	With
PCB Mount Retention	With
PCB Mount Retention Type	Hold-Down
Connector Mounting Type	Board Mount
Mating Retention	Without

Housing Features

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

Dimensions

Row-to-Row Spacing	6.24 mm[.246 in]
Height	16.54 mm[.65 in]
Length	18.9 mm[.74 in]

Usage Conditions

Operating Temperature Range	-40 – 125 °C[-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
Packaging Quantity	1

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: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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 # 2173200-1
ELCON MINI 4P CABLE CONN,TRAY
PACKAGED

TE Part # 2173200-2
ELCON MINI 4P CABLE CONN

Also in the Series

ELCON Mini

Insertion & Extraction Tools(1)

Power Cable Assemblies(6)

Rectangular Power Connectors(32)

Customers Also Bought

TE Part #31090
BODY R 22-16 COMM 22-18 MIL 5

TE Part #1-640445-2
12P MTA156 HDR ASSY FL/STR SN

TE Part #151458
TERMINAL R T PIDG NYL AWG 22 #

TE Part #1721261-5
STD OEG Miniature PCB OJ/OJE Pow
Relays

TE Part #87046-4
MOD IV RECP LP

TE Part #6450879-2
R/A REC, ASSY, SOLDER,8P+20S

TE Part #EH8922-000
MBMM-U-15-05-1-C-FSK

Documents

Product Drawings

ELCON MINI 4P VERT HEADER,UNSHIELDED,SOL

English

CAD Files

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_2173132-1_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2173132-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2173132-1_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

Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

English

Agency Approvals

[UL](#)

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