



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: PCB Mount Header

PCB Mount Orientation: Right Angle

Connector System: Cable-to-Board

Number of Positions: 2

Number of Rows: 1

Features

Product Type Features

Connector Shape	Rectangular
PCB Connector Type	PCB Mount Header
Connector System	Cable-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Number of Power Positions	2
PCB Mount Orientation	Right Angle
Number of Positions	2
Number of Rows	1

Electrical Characteristics

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



Insulation Resistance	1000 MΩ
-----------------------	---------

Body Features

Primary Product Color	Black
-----------------------	-------

Contact Features

Contact Mating Area Plating Material Thickness	3 μm[118.11 μin]
Contact Layout	Inline
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Silver
Contact Mating Area Plating Material	Silver (Ag)
Contact Type	Tab
Contact Current Rating (Max)	40 A

Termination Features

Termination Post & Tail Length	2.6 mm[.102 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Housing Material	LCP GF30
Centerline (Pitch)	7.8 mm[.307 in]

Dimensions

Connector Width	12.3 mm[.48 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	8 mm[.31 in]
Connector Length	18.2 mm[.71 in]

Usage Conditions

Operating Temperature (Max)	125 °C[257 °F]
-----------------------------	----------------



Operating Temperature Range

-40 – 125 °C[-40 – 257 °F]

Operation/Application

Circuit Application	Power
---------------------	-------

Industry Standards

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

Packaging Features

Packaging Quantity	64
Packaging Method	Tray

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 2025 (247) 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	Wave solder capable to 265°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 # 1982299-1
ELCON MINI 2P CABLE CONN,WITH CODING(R)

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

Also in the Series | ELCON Mini

Insertion & Extraction Tools(1)

PCB Headers & Receptacles(19)

Rectangular Connector Housings(6)

Rectangular Power Connectors(25)

Standard Rectangular Connectors(6)

Customers Also Bought

TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT

TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts

TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT

TE Part #DT06-2S
PLG, 2P, GRY, N

TE Part #DT04-2P
REC, 2P, GRY, N

TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING

TE Part #281934-2
SINGLE WIRE SEAL



Documents

Product Drawings

ELCON MINI 2P RA HEADER,TRAY,W/ CODING

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1982295-5_B3_c-1982295-5-b3.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1982295-5_B3_c-1982295-5-b3.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1982295-5_B3_c-1982295-5-b3.3d_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