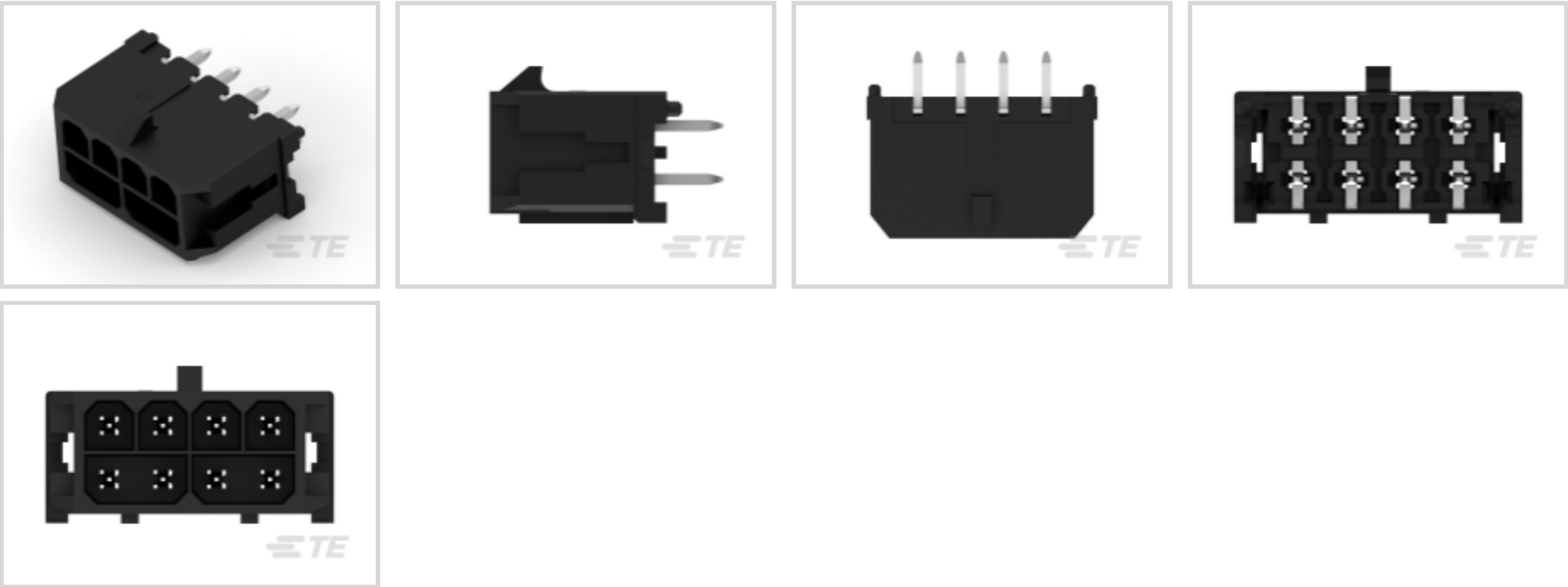




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

Connector System: **Cable-to-Board**

Number of Positions: **8**

Number of Rows: **2**

Centerline (Pitch): **3 mm [.118 in]**

Features

Product Type Features

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

Configuration Features

Number of Power Positions	8
Mating & Unmating Configuration	Normal
Number of Positions	8
Number of Rows	2
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	600 VAC
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Body Features

Primary Product Color	Black
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Contact Features

PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Contact Layout	Matrix
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material Thickness	2.54 µm[100 µin]
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	12.5 A

Termination Features

Termination Post & Tail Length	3.18 mm[.125 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

PCB Mount Alignment Type	Locating Boss
Mating Alignment Type	Polarization
Mating Retention	With
Mating Retention Type	Locking Tab
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	Without

Housing Features

Housing Material	Thermoplastic
Centerline (Pitch)	3 mm[.118 in]

Dimensions

Connector Length	16.15 mm[.63 in]
Connector Height	9.91 mm[.39 in]
Connector Width	8.8 mm[.34 in]



PCB Thickness (Recommended)	1.57 mm[.062 in]
Row-to-Row Spacing	3 mm[.118 in]

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]

Operation/Application

Circuit Application	Power
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	170
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: 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	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 # 1-2204801-8  
ELCON MICRO,HEADER,VERTICAL  
DIP,4P

TE Part # 2204748-4  
ELCON MICRO,RECEPTACLE  
HOUSING,8P

TE Part # 2354120-1  
CA, ELCON Micro 2x4

Also in the Series | ELCON Micro

PCB Headers & Receptacles(3)

Customers Also Bought

TE Part #1971903-1  
OPEN TOOL, PV4 CONNECTOR

TE Part #6-104068-1  
24 SYSTEM 50 HDR DRST SHRD

TE Part #L9000223-01  
Antenna WiFi6/6E FPC SH 25x20 100  
UFL

TE Part #1452158-1  
MQS, RECEPTACLE AND TAB

TE Part #2204748-2  
ELCON MICRO,RECEPTACLE  
HOUSING,4P

TE Part #234464-E  
SRCA 1,27 10 M 1 SMD 137 E1 094 \*  
GURT \*

TE Part #474811-E  
SRCA 1,27 8 M 1-KS SMD 137 E1 094 \*  
GURT

TE Part #2-1825136-8  
A101KAV2Q04

Documents

Product Drawings  
ELCON MICRO,HEADER,VERTICAL DIP,8P  
English



CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_3-2204801-8\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-2204801-8\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-2204801-8\_A.3d\_stp.zip

English

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

Datasheets & Catalog Pages

1-1773956-3-ELCON-Micro-CN

ELCON Micro Power Connectors (EN)

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English