



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **4**

Number of Rows: **2**

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

Mating & Unmating Configuration	Normal
Number of Power Positions	4
PCB Mount Orientation	Vertical
Number of Positions	4
Number of Rows	2

Electrical Characteristics



Operating Voltage	600 VDC
Body Features	
Primary Product Color	Black
Contact Features	
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material Thickness	2.54 µm[100 µin]
PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Contact Layout	Matrix
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin (Sn)
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	
Mating Retention Type	Locking Tab
Mating Retention	With
Mating Alignment Type	Polarization
PCB Mount Alignment Type	Locating Boss
PCB Mount Retention	Without
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With
Housing Features	
Housing Material	Thermoplastic
Centerline (Pitch)	3 mm[.118 in]
Dimensions	
Row-to-Row Spacing	3 mm[.118 in]
Connector Width	8.8 mm[.34 in]



PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	9.91 mm[.39 in]
Connector Length	10.15 mm[.4 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	280
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 # 3-2204801-8
ELCON MICRO,HEADER,VERTICAL
DIP,8P

TE Part # 7-2204801-8
ELCON MICRO,HEADER,VERTICAL
DIP,16P

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

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

Also in the Series | ELCON Micro

PCB Headers & Receptacles(2)

Rectangular Power Connectors(2)

Customers Also Bought

TE Part #2327989-1
M12 X-CODE CAT6A

TE Part #1-1623788-2
SQM5 2R2 5% (WIRE)

TE Part #1393240-3
RT314110

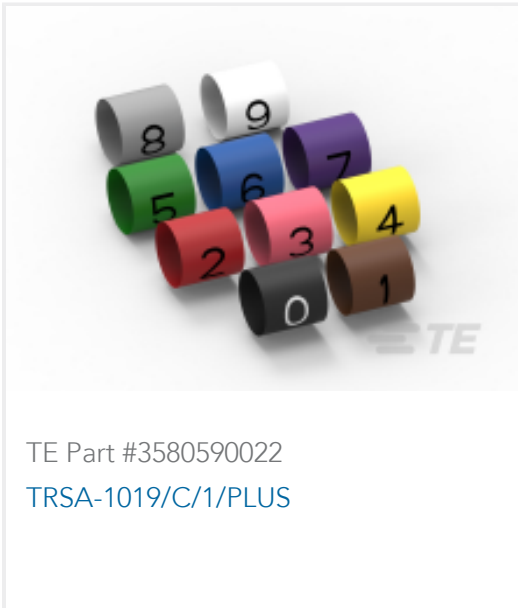
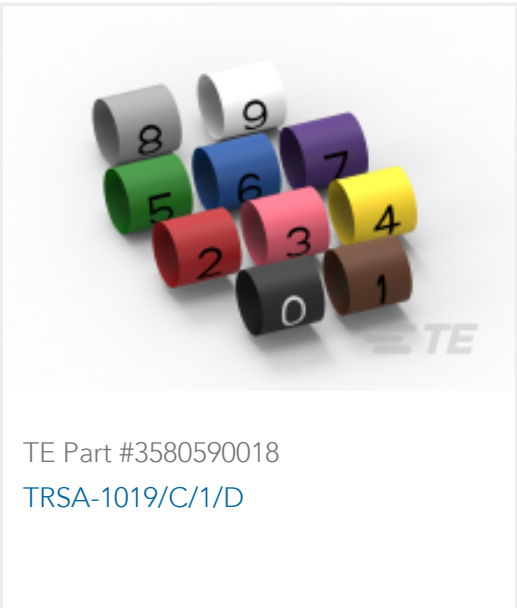
TE Part #1-2204749-8
ELCON MICRO,RECEPTACLE,
CONTACT, TIN

TE Part #292156-4
CT RELAY HDR ASSY FREE HANGING

TE Part #9-2176403-3
3550 6K8 1%

TE Part #3-2176090-6
RP 1J 0.166W 301K 0.1% 25PPM 1K RL

TE Part #3580590023
TRSA-1019/C/1/MINUS



Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-2204801-8_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2204801-8_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2204801-8_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