



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

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

Number of Positions: **80**

Number of Rows: **2**

Centerline (Pitch): **2.54 mm [.1 in]**

Features

Product Type Features

PCB Connector Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Unshrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Connector Contact Load Condition	Fully Loaded
Number of Positions	80
Number of Rows	2
PCB Mount Orientation	Vertical
Board-to-Board Configuration	Parallel

Electrical Characteristics

Insulation Resistance	5000 MΩ
Dielectric Withstanding Voltage (Max)	750 Vrms

Body Features

Primary Product Color	Black
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Contact Features

Contact Thickness	100 – 200 μin
Contact Underplating Material	Nickel

Mating Square Post Dimension	.64 mm[.025 in]
Contact Shape & Form	Square
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Material Thickness	.76 μ m[30 μ in]
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

Termination Post & Tail Length	6.35 mm[.25 in]
Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Method to PCB	Through Hole - Press-Fit

Mechanical Attachment

PCB Mount Retention Type	Action/Compliant Tail
Connector Mounting Type	Board Mount
Mating Alignment	Without
PCB Mount Alignment	Without
PCB Mount Retention	With

Housing Features

Centerline (Pitch)	2.54 mm[.1 in]
Housing Material	Thermoplastic

Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
PCB Thickness (Recommended)	2.36 – 3.18 mm[.093 – .125 in]

Usage Conditions

Housing Temperature Rating	High
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Operation/Application

Circuit Application	Signal
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Industry Standards

Compatible With Agency/Standards Products	CSA, UL
UL Rating	Recognized
Compatible With Approved Standards Products	CSA LR16455, UL E28476



UL Flammability Rating

UL 94V-0

Packaging Features

Packaging Quantity

50

Packaging Method

Carton

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU

Not Compliant

EU ELV Directive 2000/53/EC

Not Compliant

China RoHS 2 Directive MIIT Order No 32, 2016

有害物质含量超出标准 Restricted
Substance(s) Above Threshold

EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUNE 2025
(250)
Candidate List Declared Against: JUNE
2023 (235)
SVHC > Threshold:
Pb (40% in Component Part)

Article Safe Usage Statements:

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content

Not Low Halogen - contains Br or Cl > 900
ppm.

Solder Process Capability

Not applicable for solder process capability

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>

Also in the Series | [AMPMODU Headers](#)



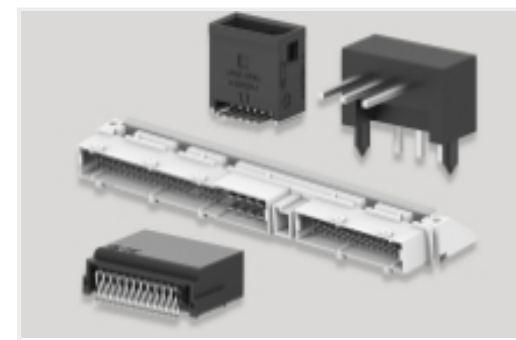
Automotive Headers(3)



Automotive Signal & Power Headers(3)



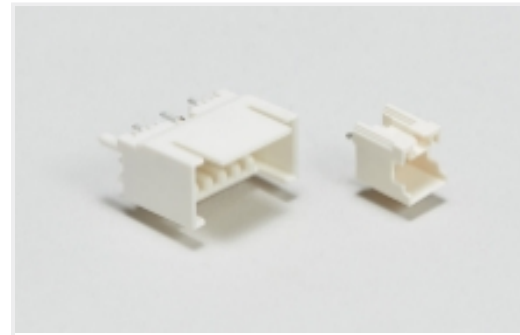
Connector Contacts(15)



PCB Headers & Receptacles(1172)



Rectangular Power Connectors(25)

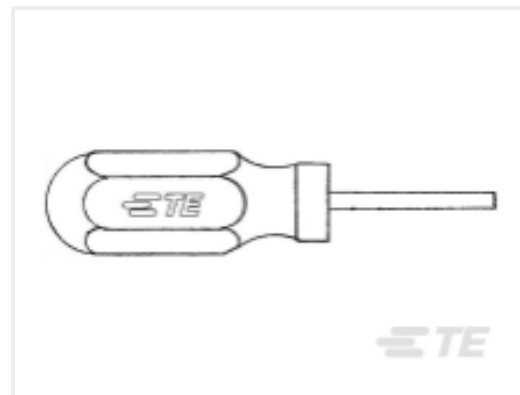


Wire-to-Board Headers & Receptacles (78)

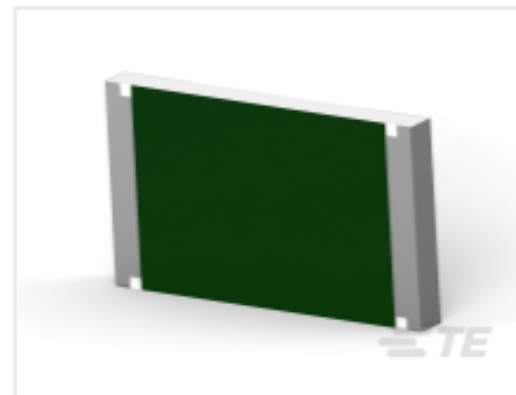
Customers Also Bought



TE Part #CAT-T3437-Z1
Z-Type Push-On Markers



TE Part #720788-8
EXTRCTION TOOL FOR MINI SPRING



TE Part #5-2176408-3
3560 5M6 5%



TE Part #7-2176460-2
SMF 7W 1M0 5% Taped



TE Part #6-2213766-9
AV19 DPL 3A POWER LED YELLOW
12V



TE Part #2307725-8
8P,2MM,B-B,REC,SRHZ,SMD,0.1AU,TR



TE Part #CAT-P851-T1
PCB Power Relay: 30 amp, Monostable
DC



TE Part #1-2319764-3
E STACK PIANO 6P G LONG TUBE
PD OFF

Documents

[CAD Files](#)

[3D PDF](#)

English

Customer View Model

[ENG_CVM_3-103233-9_G.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_3-103233-9_G.3d_igs.zip](#)



English

Customer View Model

[ENG_CVM_3-103233-9_G.3d_stp.zip](#)

English

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Product Specifications

Application Specification

English