



Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **12**

Centerline (Pitch): **5 mm [.197 in]**

Features

Product Type Features

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

Configuration Features

Number of Columns	3
Number of Loaded Positions	12
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	12
Number of Rows	4

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Contact Layout	Matrix
PCB Contact Termination Area Plating Material Thickness	3.81 μm[150 μin]
Mating Pin Diameter	1.75 mm[.069 in]
Contact Underplating Material Thickness	1.27 μm[50 μin]



PCB Contact Termination Area Plating Material Finish	Matte
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	3.81 μm[150 μin]
Contact Type	Socket
Contact Current Rating (Max)	7.5 A

Termination Features

Round Termination Post & Tail Diameter	.99 mm[.039 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

PCB Mount Retention Type	Screw Mount
PCB Mount Alignment	Without
Mating Retention	With
PCB Mount Retention	With
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	5 mm[.197 in]
Housing Color	Black
Housing Material	PA 66

Dimensions

Connector Length	20.32 mm[.8 in]
Connector Height	14.35 mm[.565 in]
Connector Width	16.25 mm[.64 in]
Row-to-Row Spacing	5 mm[.197 in]

Usage Conditions

Operating Temperature Range	-55 – 130 °C[-67 – 266 °F]
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Operation/Application

Circuit Application	Power & Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Agency/Standard	CSA, UL
UL Rating	Recognized
VDE Tested	Yes

Packaging Features

Packaging Quantity	55
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 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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



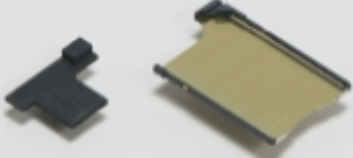


TE Part # 207018-1
METRIC RCPT 12 POS

Also in the Series | AMP-METRIMATE



Card Edge Power Connectors(1)



Card Guide Hardware(1)



Portable Crimp Tools(1)



Rack & Panel Connectors(1)



Rectangular Power Connectors(9)



RF Connectors(1)



RJ45 Connectors(45)

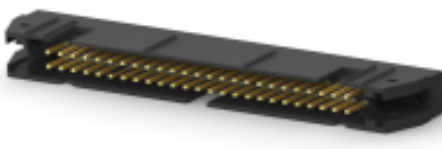


SO DIMM Sockets(14)

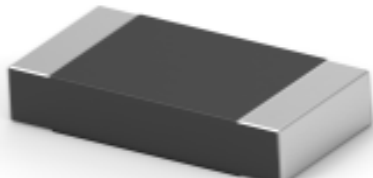


Wire-to-Board Headers & Receptacles
(3)

Customers Also Bought



TE Part #1-5499923-0
AMP-LATCH UNIVERSAL HEADERS



TE Part #1625827-5
Metal Chip Resistor: Current Sense



TE Part #106505-2
D-Sub Receptacle Assembly: Right Angle, Shell Size 1, 2.74mm



TE Part #1-5103308-0
A/L LOW PRO HDR 50P VERT BLACK





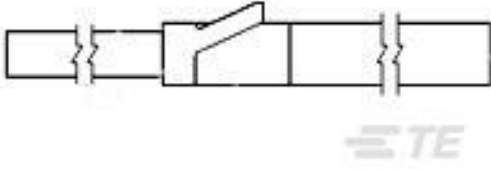
TE Part #1419111-5
[24A071=CLIP,SKT,ASSY,W/SCW](#)



TE Part #2-2176340-5
[CRGCQ 0603 10K 5%](#)



TE Part #1-2176331-4
[CRGP 2512 120R 1%](#)



TE Part #87116-2
[MODI KEYING PLUG](#)



TE Part #1623505-1
[CRG1206 1% 3K9](#)



TE Part #1676670-2
[RN 0805 22R6 0.1% 10PPM 1K RL](#)

Documents

Product Drawings

[SKT HDR ASSY,12 POSN,METRIMATE](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG_CVM_207528-7_L.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_207528-7_L.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_207528-7_L.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[METRIMATE_PIN_SOCKET_CATALOG](#)

English

Product Specifications

[Product Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)



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[Agency Approvals](#)

[CSA Certificate](#)

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