



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **2**

Number of Rows: **1**

Features

Product Type Features

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

Configuration Features

Number of Columns	2
Number of Loaded Positions	2
Number of Power Positions	2
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	2



Number of Rows	1
Electrical Characteristics	
Operating Voltage	600 VAC
Body Features	
Primary Product Color	Natural
Contact Features	
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 – 1.79 µm[50 – 70 µin]
Contact Size	2.95mm
Contact Mating Area Plating Material Thickness	3.81 – 5.08 µm[150 – 200 µin]
PCB Contact Termination Area Plating Material Thickness	3.81 – 5.08 µm[150 – 200 µin]
Contact Shape & Form	Round
Contact Layout	Inline
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Pre-Tin
Contact Mating Area Plating Material	Pre-Tin
Contact Type	Socket
Contact Current Rating (Max)	12 A
Termination Features	
Termination Post & Tail Diameter	1.57 mm[.062 in]
Termination Post & Tail Length	3.56 mm[.14 in]
Termination Method to PCB	Through Hole - Solder
Mechanical Attachment	
Panel Mount Feature	Without
Mating Retention Type	Locking Tab
Mating Retention	With
Mating Alignment Type	Polarization
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With
Housing Features	



Mating Entry Location	Top
Housing Material	Nylon
Centerline (Pitch)	6.35 mm[.25 in]

Dimensions

Connector Width	7.62 mm[.3 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	13.97 mm[.55 in]
Connector Length	13.97 mm[.55 in]
Profile Height from PCB	14.73 mm[.58 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

Compatible With Agency/Standards Products	UL, VDE
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
Glow Wire Rating	GWT 750°C (Without Flame)
UL Flammability Rating	UL 94V-2

Packaging Features

Packaging Quantity	200
Packaging Method	Bag

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: JAN 2025 (247) 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 # 1586211-1 06P UMNL SOK HDR 94V2 NDH	 TE Part # 1-1703062-2 CAP, 2 CIRCUIT , UNIVERSAL MATE-N-LOK	 TE Part # 1586879-1 09P UMNL SKT HDR ASSY, GW	 TE Part # 2029361-1 05P UMNL SOC HDR V2 NATL NDH
 TE Part # 350582-1 02P UMNL PIN HDR ASSY V2 NATL	 TE Part # 1586968-1 05P UMNL PIN HDR ASSY V2, GW	 TE Part # 1586963-1 04P UMNL PIN HDR ASSY, GW	 TE Part # 1-641964-1 02P UMNL HDR ASSY POL BLK
 TE Part # 1-350778-2 02P UMNL V0 CAP HSG RED	 TE Part # 1-350778-9 02P UMNL V0 CAP HSG BLACK	 TE Part # 1-480699-6 02P UMNL CAP HSG BLU	 TE Part # 643250-1 02P UMNL ASSY MOD HSG V0



TE Part # 643411-1
02P UMNL HDR ASSY POL

TE Part # 1-350778-1
02P UMNL V0 CAP HSG BROWN

TE Part # 1-480699-1
02P UMNL CAP HSG BRN

TE Part # 1-480699-2
02P UMNL CAP HSG RED

TE Part # 1-480699-9
02P UMNL CAP HSG BLK

TE Part # 1-350778-3
02P UMNL V0 CAP HSG ORANGE

TE Part # 1586869-1
03P UMNL HDR ASSY, GW

TE Part # 1586958-1
03P UMNL PIN HDR ASSY NATL, GW

Also in the Series | Universal MATE-N-LOK

Circular Power Connectors(2)

Connector Contacts(208)

Connector Hardware(12)

Power Contacts(208)

Rectangular Power Connectors(651)

Standard Circular Connectors(1)

Customers Also Bought

TE Part #2-2176156-0
TLM 1206 0.5W R018 1% 100PPM 5K RL

TE Part #5-2176339-2
CRGCQ 0603 180K 1%

TE Part #1586953-1
02P UMNL PIN HDR ASSY NATL, GW

TE Part #8-1879417-1
CPF0603 845K 0.1% 25PPM 1K RL



TE Part #1586872-1
[04P UMNL HDR ASSY, GW](#)

TE Part #215079-8
[MICRO-MATCH FOB.08P](#)

TE Part #1586968-1
[05P UMNL PIN HDR ASSY V2, GW](#)

TE Part #1586963-1
[04P UMNL PIN HDR ASSY, GW](#)

TE Part #280612-1
[8P MOD 1 SHROUDED HEADER, ST, TIN PLTD](#)

TE Part #1393277-8
[V23076A1022C133](#)

Documents

Product Drawings

[02P UMNL HDR ASSY V2, GW](#)

English

CAD Files

Customer View Model

[ENG_CVM_1586866-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_1586866-1_A.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_1586866-1_A.2d_dxf.zip](#)

English

3D PDF

English

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Product Specifications

[Application Specification](#)

English

Agency Approvals

[VDE Certificate](#)

English

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English

1586866-1

PCB Mount Header, Vertical, Wire-to-Board, 2 Position, 6.35 mm [.25 in] Centerline,
Fully Shrouded, Pre-Tin, Universal MATE-N-LOK

