

1969830-1 ✓ ACTIVE

MATE-N-LOK | Universal MATE-N-LOK

TE Internal #: 1969830-1

PCB Mount Header, Vertical, Wire-to-Board, 6 Position, 6.35 mm [.25 in] Centerline, Fully Shrouded, Pre-Tin, Universal MATE-N-LOK

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Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **6**

Number of Rows: **1**

Features

Electrical Characteristics

Operating Voltage	600 VAC
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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	39.37 mm[1.55 in]
Profile Height from PCB	14.73 mm[.58 in]

Packaging Features

Packaging Quantity	100
Packaging Method	Bag

Industry Standards

Glow Wire Rating	GWT 750°C (Without Flame)
UL Flammability Rating	UL 94V-0

Usage Conditions



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

Panel Mount Feature	Without
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Mating Retention Type	Locking Tab
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Mating Retention	With
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Mating Alignment Type	Polarization
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PCB Mount Retention	Without
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PCB Mount Alignment	Without
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Connector Mounting Type	Board Mount
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Mating Alignment	With
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Termination Features

Termination Post & Tail Diameter	1.57 mm[.062 in]
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Termination Post & Tail Length	3.56 mm[.14 in]
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Termination Method to PCB	Through Hole - Solder
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Contact Features

Contact Underplating Material	Nickel
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Contact Underplating Material Thickness	1.27 – 1.79 µm[50 – 70 µin]
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Contact Size	2.95mm
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Contact Mating Area Plating Material Thickness	3.81 – 5.08 µm[150 – 200 µin]
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PCB Contact Termination Area Plating Material Thickness	3.81 – 5.08 µm[150 – 200 µin]
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Contact Shape & Form	Round
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Contact Layout	Inline
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Contact Base Material	Phosphor Bronze
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PCB Contact Termination Area Plating Material	Pre-Tin
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Contact Mating Area Plating Material	Pre-Tin
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Contact Type	Socket
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Contact Current Rating (Max)	12 A
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Housing Features

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

Number of Columns	6
Number of Loaded Positions	6
Number of Power Positions	6
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	6
Number of Rows	1

Product Type Features

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

Body Features

Primary Product Color	Natural
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Operation/Application

Circuit Application	Power
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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



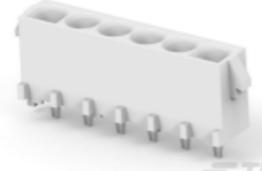
Halogen Content Not Low Halogen - contains Br or Cl > 900 ppm.

Solder Process Capability Not reviewed for solder process capability

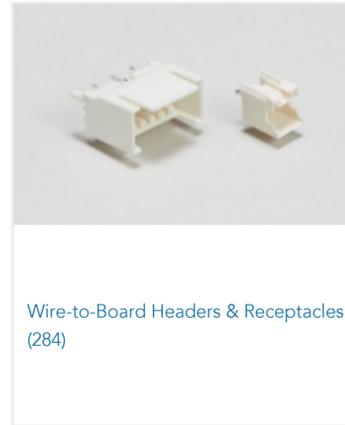
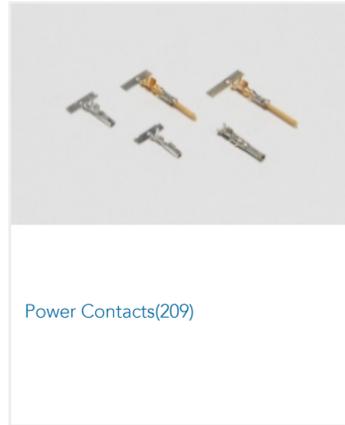
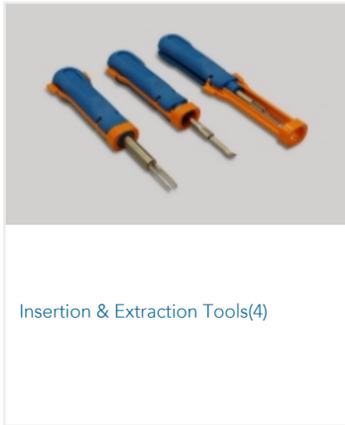
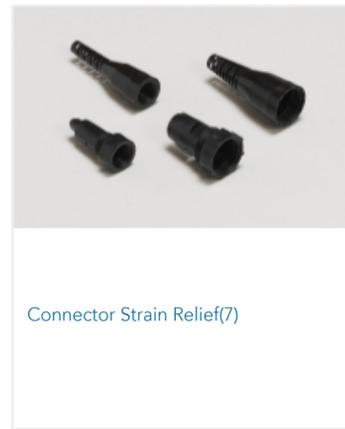
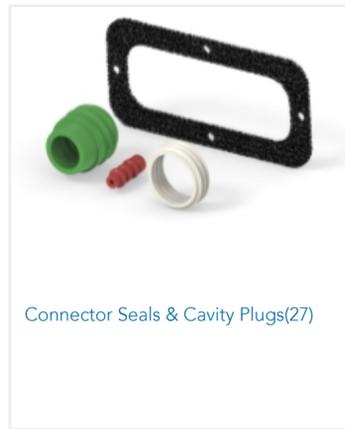
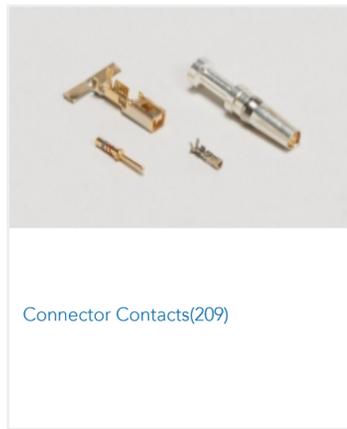
Product Compliance Disclaimer

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>

Compatible Parts

 <p>TE Part # 1969800-1 03P UMNL HDR ASSY, SCKT V0 GW</p>	 <p>TE Part # 350824-1 02P UMNL HDR ASSY PC 94VO</p>	 <p>TE Part # 1586211-1 06P UMNL SOK HDR 94V2 NDH</p>	 <p>TE Part # 1586892-3 03P UMNL HDR ASSY R/A, GW V0</p>
 <p>TE Part # 1969795-1 02P UMNL HDR ASSY SCKT V0 GW</p>	 <p>TE Part # 1969814-1 06P UMNL PIN HDR ASSY, PIN V0 GW</p>	 <p>TE Part # 643253-1 06P UMNL ASSY MOD HSG V0</p>	 <p>TE Part # 1969804-1 04P UMNL HDR ASSY, SCKT V0 GW</p>
 <p>TE Part # 1969811-1 06P UMNL SKT HDR ASSY, SCKT V0 GW</p>	 <p>TE Part # 1969813-1 06P UMNL HDR ASSY R/A, SCKT V0 GW</p>	 <p>TE Part # 350732-1 06P UMNL PIN HDR ASSY 94VO GW</p>	

Also in the Series | **Universal MATE-N-LOK**



Customers Also Bought



Documents



Product Drawings

6P UMNL SKT ASSY GW

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1969830-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1969830-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1969830-1_A.3d_stp.zip](#)

English

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Product Specifications

Application Specification

English

Agency Approvals

VDE Certificate

English

VDE Certificate

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