

1969807-1 ✓ ACTIVE

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

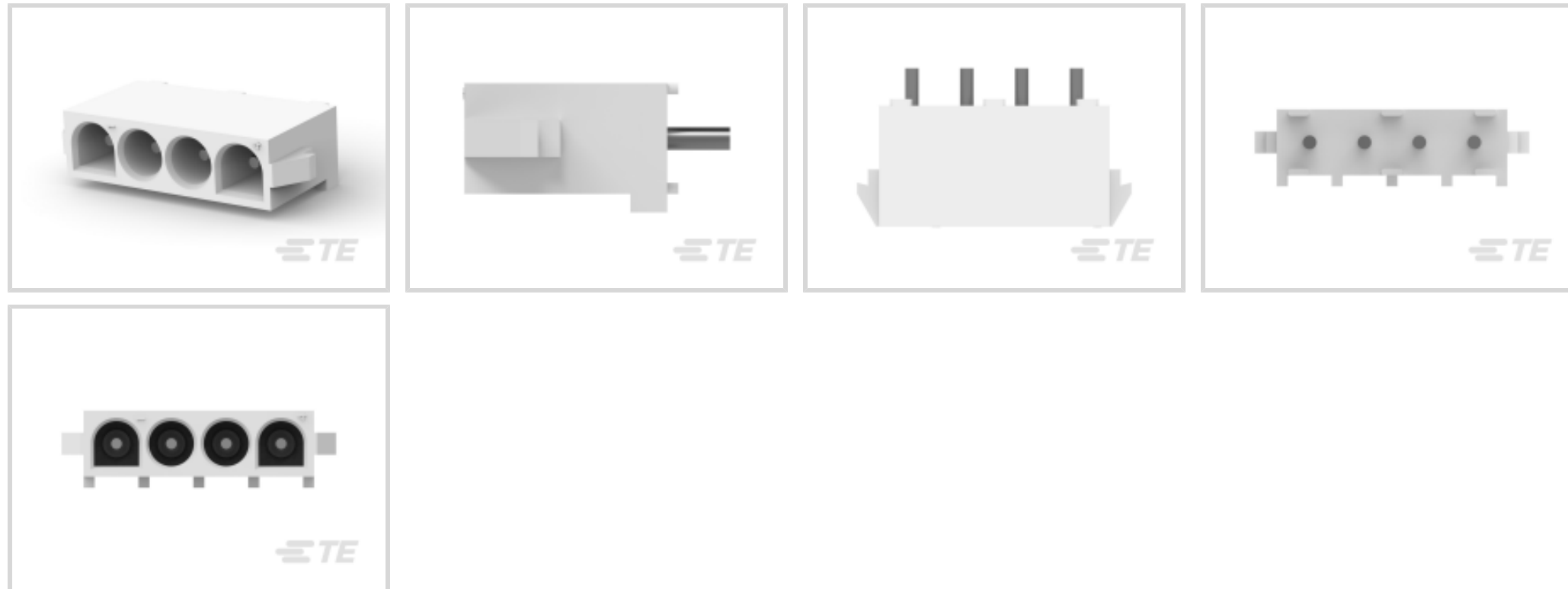
TE Internal #: 1969807-1

Header, Plug, Wire-to-Board, 4 Position, 6.35 mm [.25 in]
Centerline, Printed Circuit Board, Universal MATE-N-LOK,
Rectangular Power Connectors

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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

Number of Positions: **4**

Centerline (Pitch): **6.35 mm [.25 in]**

Features

Product Type Features

Rectangular Power Connector Type	Header
Connector & Housing Type	Plug
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	4
PCB Mount Orientation	Vertical
Number of Power Positions	4
Number of Rows	1

Contact Features

Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	12 A
Contact Retention Within Housing	Without



Contact Type	Pin
PCB Contact Termination Area Plating Material	Pre-Tin
Contact Mating Area Plating Material Thickness	3.81 – 5.08 μm [150 – 200 μin]

Termination Features

Termination Method to PCB	Through Hole - Solder
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Mechanical Attachment

Connector Mounting Type	Board Mount
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Housing Features

Centerline (Pitch)	6.35 mm[.25 in]
Housing Color	Natural
Housing Material	Nylon

Usage Conditions

Operating Temperature Range	-40 – 105 $^{\circ}\text{C}$ [-40 – 221 $^{\circ}\text{F}$]
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Operation/Application

Circuit Application	Power
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Identification Marking

Circuit Identification Feature	With
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Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	GWT 750 $^{\circ}\text{C}$ (Without Flame)

Packaging Features

Packaging Method	Box
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Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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.
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Solder Process Capability	Not reviewed for solder process capability
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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 # 1586076-1 02P UMNL PIN HDR W/O DRNS V2</p>	 <p>TE Part # 1586086-1 04P UMNL PIN HDR ASSY W/O DRNS</p>	 <p>TE Part # 641967-1 04P UMNL PIN HDR ASSY POL NATL</p>	 <p>TE Part # 1969803-1 03P UMNL PIN HDR ASSY NATL, PIN V0 GW</p>
 <p>TE Part # 1969814-1 06P UMNL PIN HDR ASSY, PIN V0 GW</p>	 <p>TE Part # 1969818-1 09P UMNL PIN HDR ASSY NATL, PIN V0 GW</p>	 <p>TE Part # 1969804-1 04P UMNL HDR ASSY, SCKT V0 GW</p>	 <p>TE Part # 1969809-1 05P UMNL PIN HDR ASSY, PIN RA V0 GW</p>
 <p>TE Part # 1969798-1 02P UMNL PIN HDR ASSY NATL, PIN V0 GW</p>	 <p>TE Part # 1586963-1 04P UMNL PIN HDR ASSY, GW</p>	 <p>TE Part # 1969805-1 04P UMNL HDR ASSY R/A, PIN V0 GW</p>	 <p>TE Part # 1969799-1 02P UMNL PIN HDR ASSY POL, PIN V0 GW</p>

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



Circular Power Connectors(2)



Connector Caps & Covers(34)



Connector Contacts(209)



Connector Hardware(12)



Connector Seals & Cavity Plugs(27)



Connector Strain Relief(7)



Insertion & Extraction Tools(4)



Rectangular Connector Housings(1)



Rectangular Power Connectors(670)



Standard Circular Connectors(1)

Customers Also Bought



TE Part #440054-6
AMP HPI 2.0 mm Headers



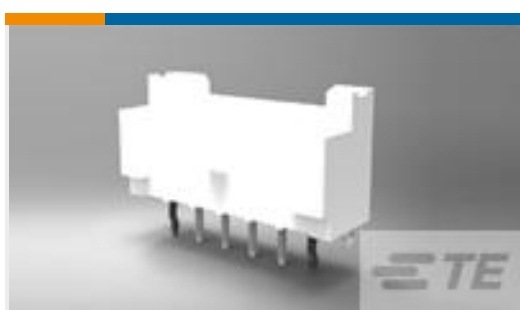
TE Part #926298-7
UNIVERSAL MATE-N-LOK 4 WAY
PLUG



TE Part #1744418-6
6 POS EP 2.5 HDR, GLOW WIRE
PLUG



TE Part #63316-2
187 FASTON FLAG REC 18-14 AWG
TPBR



TE Part #1744418-2
2 POS EP 2.5 HDR, GLOW WIRE



TE Part #1-1703061-2
PLUG, 2 CIRCUIT, UNIVERSAL MATE-
N-LOK



TE Part #1744428-2
3.96 EP HDR ASSY 2P R/A, GW

Documents



Product Drawings

[04P UMNL PIN HDR ASSY, PIN V0 GW](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1969807-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1969807-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1969807-1_A.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Agency Approvals

[VDE Certificate](#)

English