

1586872-1 ✓ ACTIVE

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

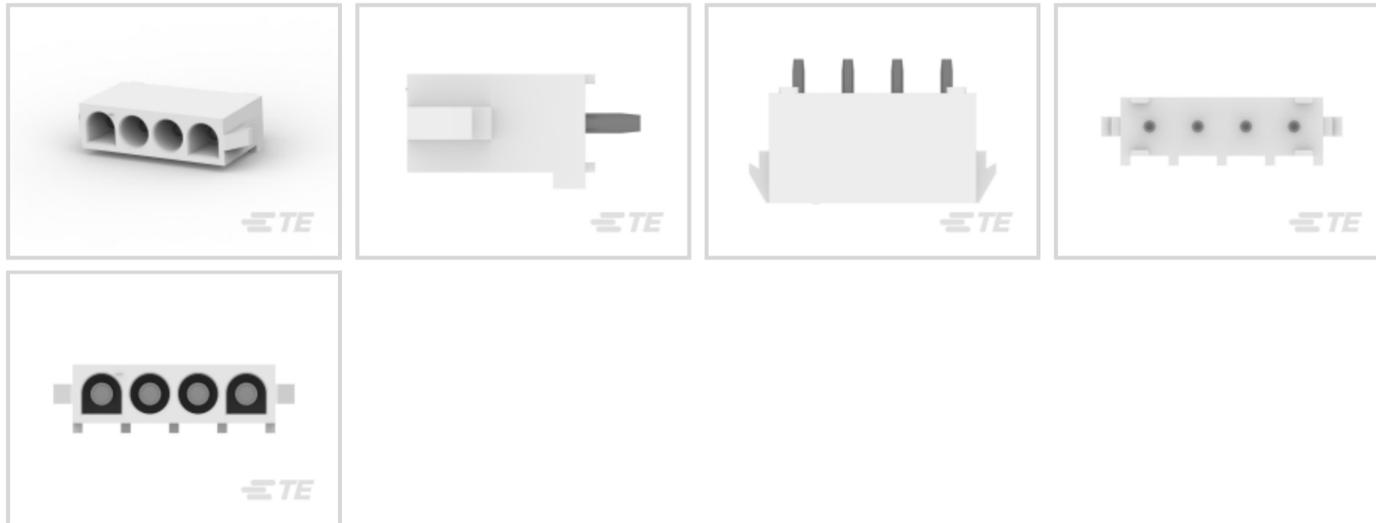
TE Internal #: 1586872-1

PCB Mount Header, Vertical, Wire-to-Board, 4 Position, 6.35 mm [.25 in] Centerline, Fully Shrouded, Pre-Tin, Universal MATE-N-LOK

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **4**

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	4
Number of Loaded Positions	4
Number of Power Positions	4
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	4



Number of Rows	1
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Electrical Characteristics

Operating Voltage	600 VAC
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Body Features

Primary Product Color	Natural
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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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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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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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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	26.67 mm [1.05 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	100
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 # 1586866-1
02P UMNL HDR ASSY V2, GW



TE Part # 1-480703-2
04P UMNL CAP HSG RED



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



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



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



TE Part # 350988-4
04P UMNL HDR ASSY LNG/TL



TE Part # 1-350780-9
04P UMNL V0 CAP HSG BLACK



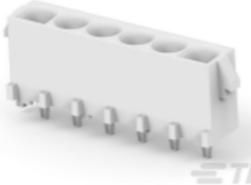
TE Part # 1-480703-0
04P UMNL CAP HSG NATL



TE Part # 1586086-1
04P UMNL PIN HDR ASSY W/O DRNS



TE Part # 350760-4
03P UMNL HDR ASSY PC



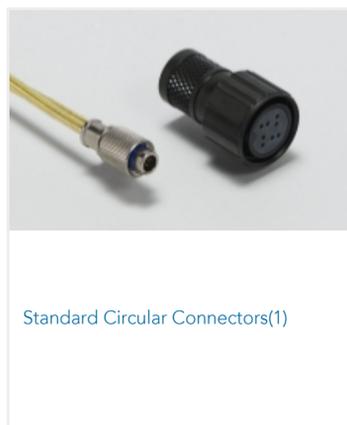
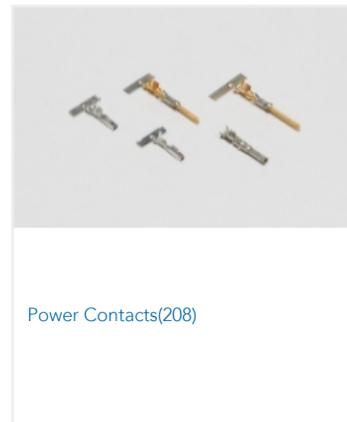
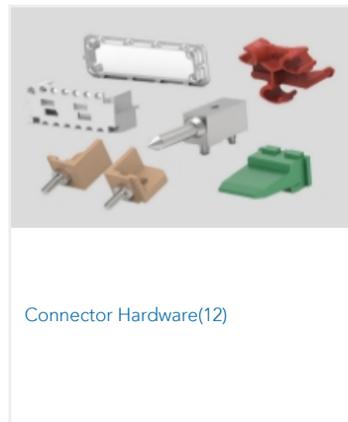
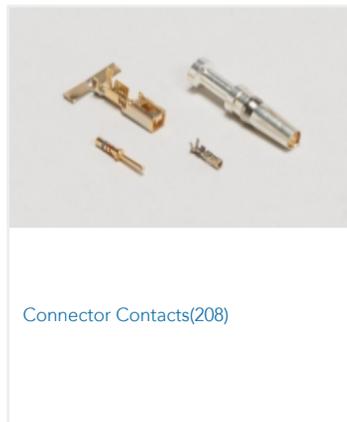
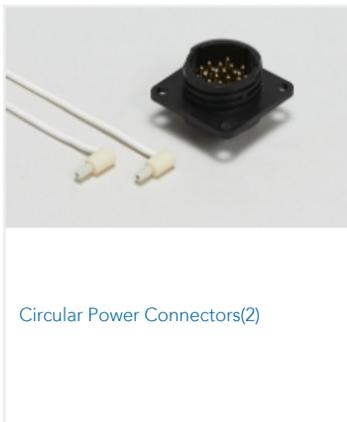
TE Part # 1586211-1
06P UMNL SOK HDR 94V2 NDH



TE Part # 1586845-1
04P UMNL CAP HSG NATL, GW



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



Customers Also Bought





TE Part #770234-3
UMNL GRND PIN PTPPHBZ



TE Part #1971845-4
4P, RAST 5 Tab Header, THV



TE Part #180384-2
FF 250 REC 4-6MM2 PTBR LP



TE Part #2029361-1
05P UMNL SOC HDR V2 NATL NDH



TE Part #640467-1
05P UMNL HDR ASSY



TE Part #4-1419145-8
OUAZ-SH-124L,900

Documents

Product Drawings

04P UMNL HDR ASSY, GW

English

CAD Files

Customer View Model

[ENG_CVM_1586872-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_1586872-1_A.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_1586872-1_A.2d_dxf.zip](#)

English

3D PDF

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Application Specification

English

Agency Approvals

VDE Certificate

English

VDE Certificate

English

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PCB Mount Header, Vertical, Wire-to-Board, 4 Position, 6.35 mm [.25 in] Centerline,
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