1969813-1 ✔ ACTIVE

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

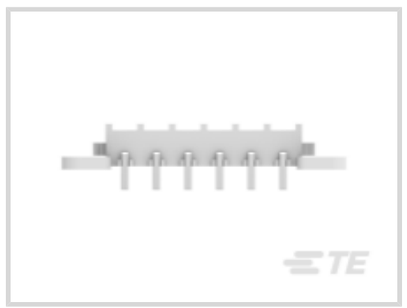
TE Internal #: 1969813-1

PCB Mount Header, Right Angle, Wire-to-Board, 6 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: **Right Angle**

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

Number of Positions: **6**

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

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	6
Number of Loaded Positions	6
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Right Angle
Number of Positions	6

Number of Rows	1
Number of Power Positions	6

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 Shape & Form	Round
PCB Contact Termination Area Plating Material Thickness	3.81 – 5.08 µm[150 – 200 µin]
Contact Layout	Inline
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Pre-Tin
Contact Mating Area Plating Material Thickness	3.81 – 5.08 µm[150 – 200 µin]
Contact Type	Socket
Contact Current Rating (Max)	12 A
PCB Contact Termination Area Plating Material	Pre-Tin

Termination Features

Termination Post & Tail Length	4.06 mm[.16 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Width	17.27 mm[.68 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	9.14 mm[.36 in]
Connector Length	57.02 mm[2.24 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

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

Packaging Features

Packaging Quantity	140
Packaging Method	Bag

Product Compliance

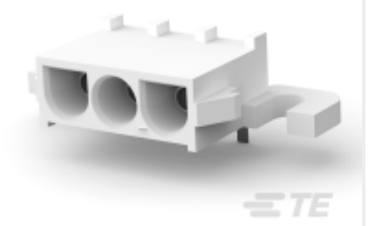
For compliance documentation, visit the product page on TE.com>

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: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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



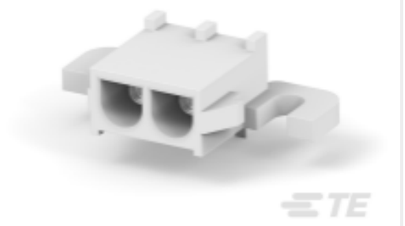
TE Part # 1586893-3
03P UMNL HDR ASSY R/A, GW



TE Part # 1969806-1
04P UMNL HDR ASSY R/A, SCKT V0 GW



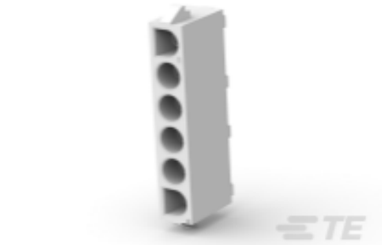
TE Part # 1969812-1
06P UMNL HDR ASSY R/A, PIN V0 GW



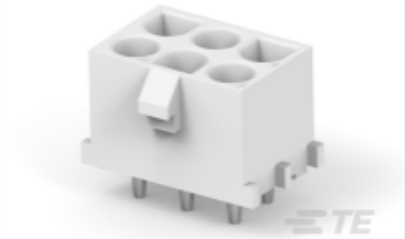
TE Part # 1969797-1
02P UMNL HDR ASSY R/A, SCKT V0 GW



TE Part # 643253-1
06P UMNL ASSY MOD HSG VO



TE Part # 1969830-1
6P UMNL SKT ASSY GW



TE Part # 1969811-1
06P UMNL SKT HDR ASSY, SCKT V0 GW



TE Part # 1969816-1
08P UMNL HDR ASSY R/A, SCKT V0 GW



TE Part # 643228-1
03P UMNL HDR ASSY R/A 94VO

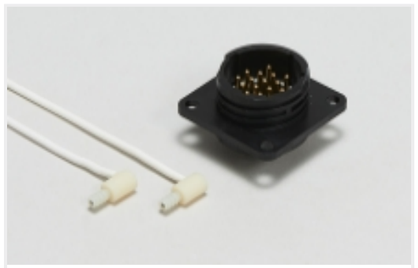


TE Part # 643234-1
06P UMNL HDR ASSY R/A 94VO



TE Part # 643230-1
04P UMNL HDR ASSY R/A 94VO

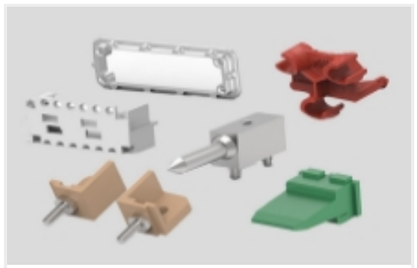
Also in the Series | Universal MATE-N-LOK



Circular Power Connectors(2)



Connector Contacts(206)



Connector Hardware(12)



Power Contacts(206)



Rectangular Power Connectors(642)



Standard Circular Connectors(1)

Customers Also Bought



TE Part #217225J001
V4-3.0-0-SP-SM



TE Part #87456-8
12 MODIV HSG DR MRKD .100CL



TE Part #3-794620-6
06P MICRO MNL ASSY,R/A,HDR,LF



TE Part #3-826646-2
32P AMPMODU II STIFT LEI



TE Part #1734577-2
MOD-JK,8P8C,SHD W/LED, G/Y,15U"



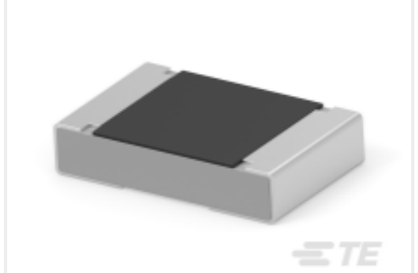
TE Part #2176117-7
TLR 1206 1.0W R006 1% 50PPM 2K RL



TE Part #3-2176231-6
3522 300R 1% 3W



TE Part #3-2176392-3
RQ 1206 287K 0.1% 10PPM 5K RL



TE Part #8-2176529-5
3504G 3A 383R 1% 1K RL



TE Part #1-2213614-3
HERM BLADE & REC,6 POS,LATCH, SEL GLD,BLK

Documents

Product Drawings

06P UMNL HDR ASSY R/A, SCKT V0 GW

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1969813-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1969813-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1969813-1_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

Glow Wire, V-0 Universal MATE-N-LOK Connector Housings Flyer

English

Product Specifications

Application Specification

English

Agency Approvals

VDE Certificate

English

VDE Certificate

English