1969830-1 ✔ ACTIVE

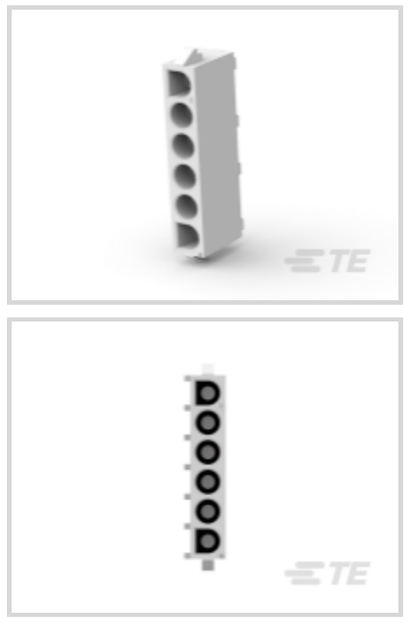
MATE-N-LOK | Universal MATE-N-LOK

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

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



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

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

Number of Positions: **6**

Number of Rows: **1**

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

Features

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

Configuration Features

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

Electrical Characteristics

Operating Voltage	600 VAC

Body Features

Primary Product Color	Natural

Contact Features

Contact Size	2.95mm
PCB Contact Termination Area Plating Material Thickness	3.81 – 5.08 µm[150 – 200 µin]
Contact Layout	Inline
Contact Underplating Material Thickness	1.27 – 1.79 µm[50 – 70 µin]
Contact Mating Area Plating Material Thickness	3.81 – 5.08 µm[150 – 200 µin]
Contact Shape & Form	Round
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Pre-Tin
Contact Base Material	Phosphor Bronze
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

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

Housing Features

Mating Entry Location	Top

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

Dimensions

Connector Length	39.37 mm[1.55 in]
Connector Height	13.97 mm[.55 in]
Connector Width	7.62 mm[.3 in]
PCB Thickness (Recommended)	1.57 mm[.062 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

Industry Standards

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

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: 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



TE Part # 350732-1
06P UMNL PIN HDR ASSY 94VO



TE Part # 350824-1
02P UMNL HDR ASSY PC 94VO



TE Part # 1969814-1
06P UMNL PIN HDR ASSY, PIN V0 GW



TE Part # 1969804-1
04P UMNL HDR ASSY, SCKT V0 GW



TE Part # 1969813-1
06P UMNL HDR ASSY R/A, SCKT V0 GW



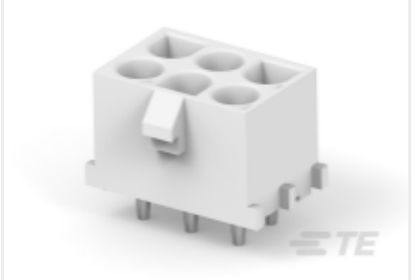
TE Part # 1586892-3
03P UMNL HDR ASSY R/A, GW V0



TE Part # 1969795-1
02P UMNL HDR ASSY SCKT V0 GW



TE Part # 1969800-1
03P UMNL HDR ASSY, SCKT V0 GW



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



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



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

Also in the Series | Universal MATE-N-LOK



Circular Power Connectors(2)



Connector Caps & Covers(34)



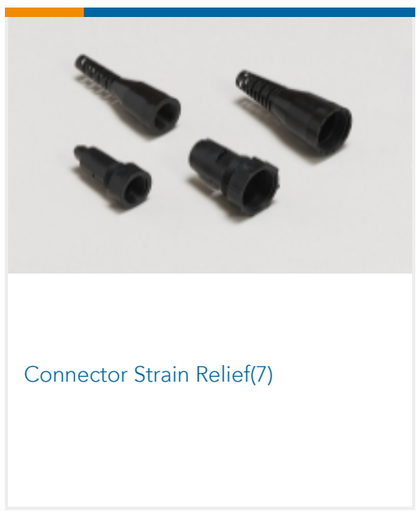
Connector Contacts(209)



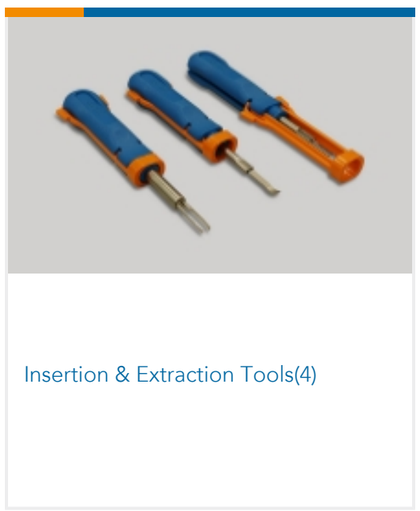
Connector Hardware(12)



Connector Seals & Cavity Plugs(27)



Connector Strain Relief(7)



Insertion & Extraction Tools(4)



PCB Headers & Receptacles(285)



Rectangular Connector Housings(1)



Rectangular Power Connectors(370)



Standard Circular Connectors(1)

Customers Also Bought



TE Part #5745071-4
HD-20 PLUG 9P VERT FFSCRLK



TE Part #1879455-9
TE 1500W 4R7 5% Bracket



TE Part #2-1630027-6
HSC300 4R0 5%



TE Part #640583-3
06P UMNL HDR ASSY R/A 94VO LF



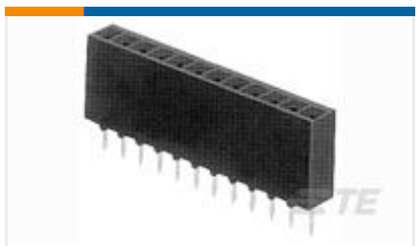
TE Part #926300-3
6P UN-MNL STECKGEH



TE Part #1-770968-0
04P MINI UMNL R/A HDR ASSY SN



TE Part #350824-4
02P UMNL HDR ASSY PC LF



TE Part #829265-3
3P HV100 REC.CON. B/TE,6.2,NO KINK



TE Part #66425-7
III+ PIN,30-26,15AU/FL,STRIP

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

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

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

1-794222-0 2310537-1 3430B2F51RTDF 1393431-1 2834055-1 3-1393225-0 CRGCQ2010J3K3 ROX05SJ18R 2-292161-3 917696-1 CPF0402B37K4E1 RH73H2A40MKTN 1-962915-1 2005330-1 2380312-2 3631B101LL 650075-000 936348-1 MPT100C18RF TE50BR39J 141991-2 1743455-2 2377783-2 U5254-000005-030PA 1969656-1 SMW73R0JT 175977-2 1903112-2 SBCHE154R7K SBCHE64R7K