5-770174-0 ✔ ACTIVE

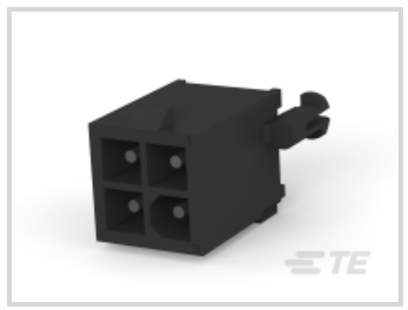
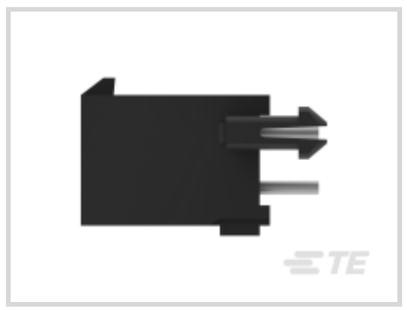
MATE-N-LOK | Mini-Universal MATE-N-LOK

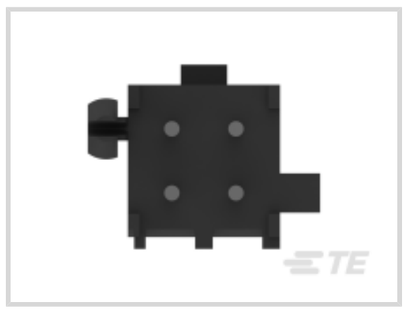
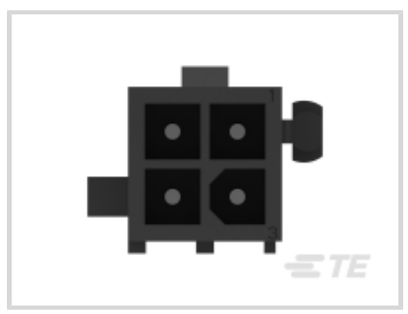
TE Internal #: 5-770174-0

PCB Mount Header, Vertical, Wire-to-Board, 4 Position, 4.14 mm [.162 in] Centerline, Fully Shrouded, Tin (Sn), Mini-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**

Centerline (Pitch): **4.14 mm [.162 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	2
Number of Loaded Positions	4
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	4

Number of Rows	2
Number of Power Positions	4

Electrical Characteristics

Operating Voltage	600 VDC

Body Features

PCB Retention Feature Material	Nylon
Primary Product Color	Black

Contact Features

Contact Underplating Material	Nickel
Mating Pin Diameter	1 mm[.039 in]
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Size	1mm
PCB Contact Termination Area Plating Material Thickness	3.81 – 8.89 µm[150 – 350 µin]
Contact Shape & Form	Round
Contact Layout	Matrix
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin (Sn)
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	3.81 – 8.89 µm[150 – 350 µin]
Contact Type	Pin
Contact Current Rating (Max)	9.5 A
PCB Contact Termination Area Plating Material	Tin

Termination Features

Termination Post & Tail Diameter	1 mm[.039 in]
Termination Post & Tail Length	3.69 mm[.145 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Panel Mount Feature	Without
Mating Retention Type	Locking Tab
Mating Alignment Type	Chamfered Edges
PCB Mount Retention Type	Boardlock

PCB Mount Alignment	Without
Mating Retention	With
PCB Mount Retention	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Mating Entry Location	Top
Centerline (Pitch)	4.14 mm[.162 in]
Housing Material	Nylon

Dimensions

Row-to-Row Spacing	4.14 mm[.162 in]
Connector Width	11.88 mm[.468 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	13.49 mm[.531 in]
Connector Length	15.01 mm[.591 in]
Profile Height from PCB	14.25 mm[.56 in]

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Operation/Application

Circuit Application	Power

Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	200
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	Wave solder capable to 240°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 # 794188-1
04P MINI UMNL2 PLUG HSG UL94V0



TE Part # 172167-1
4 CIR UNIV M-N-L PLUG

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



Connector Caps & Covers(2)



Connector Contacts(89)



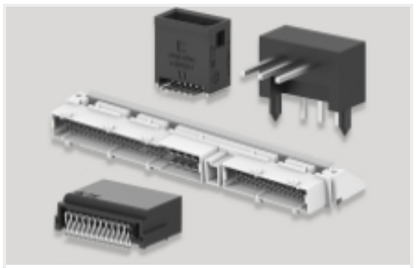
Connector Seals & Cavity Plugs(17)



Connector Strain Relief(2)



Insertion & Extraction Tools(1)



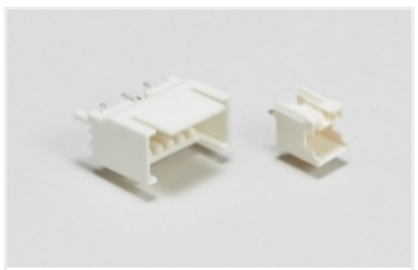
PCB Headers & Receptacles(93)



Power Contacts(89)



Rectangular Power Connectors(196)

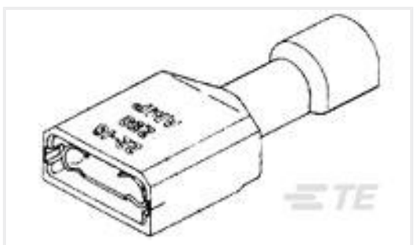


Wire-to-Board Headers & Receptacles (93)

Customers Also Bought



TE Part #32561
PIDG SPDFLG 22-16COMM22-18MIL6



TE Part #2-520407-2
ULTRA-FAST 250 ASY REC 22-18 TPBR



TE Part #1-770166-1
02P MINI UMNL ASSY VO SNAU LF



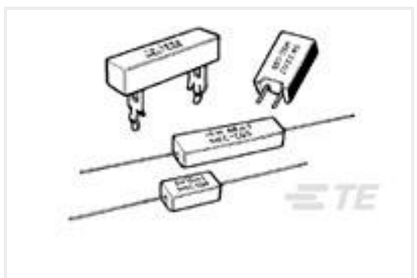
TE Part #1-770858-1
10P MINI UMNL HDR ASSY AU LF



TE Part #1-770988-1
MINI UMNL SOK 22-18AWG LP LF



TE Part #1-794065-1
08P MINI UMNL HDR W/DH AU LF



TE Part #1-1623782-7
SQM5 6K8 5% (METAL FILM)



TE Part #2176230-8
3522 3R3 5% 3W



TE Part #6450140-5
MBXL VERT RCPT 2P+24S+2P

TE Part #459823-ZZ
MODULE

Documents

Product Drawings

04P MINI-UMNL ASSY V0 SNNI BLK

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-770174-0_N.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-770174-0_N.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-770174-0_N.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL Report

English