1-794073-0 ✔ ACTIVE

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

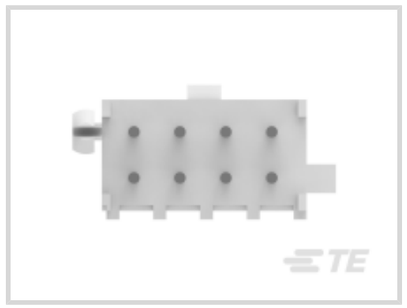
TE Internal #: 1-794073-0

PCB Mount Header, Vertical, Wire-to-Board, 8 Position, 4.14 mm [.162 in] Centerline, Fully Shrouded, Tin, Mini-Universal MATE-N-LOK

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles




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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **8**

Number of Rows: **2**

Features

Electrical Characteristics

Operating Voltage	600 VDC

Dimensions

Row-to-Row Spacing	4.14 mm[.162 in]
Connector Width	11.88 mm[.468 in]
Connector Height	13.49 mm[.531 in]
Connector Length	18.11 mm[.713 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Profile Height from PCB	14.25 mm[.56 in]

Packaging Features

Packaging Quantity	200
Packaging Method	Bag

Industry Standards

Compatible With Agency/Standards Products	UL, CSA
UL Rating	Recognized

Compatible With Approved Standards Products	UL E28476
Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Usage Conditions

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

Body Features

PCB Retention Feature Material	Nylon
Primary Product Color	White

Mechanical Attachment

Panel Mount Feature	Without
Mating Alignment Type	Chamfered Edges
PCB Mount Retention Type	Boardlock
Mating Retention Type	Locking Tab
Mating Retention	With
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

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

Contact Features

Contact Underplating Material	Nickel
Mating Pin Diameter	1 mm[.039 in]
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Size	1mm
Contact Mating Area Plating Material Thickness	3.81 – 8.89 µm[150 – 350 µin]
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte

PCB Contact Termination Area Plating Material Finish	Matte
PCB Contact Termination Area Plating Material Thickness	3.81 – 8.89 µm[150 – 350 µin]
Contact Shape & Form	Round
Contact Layout	Matrix
Contact Mating Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	9.5 A

Housing Features

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

Configuration Features

Connector Contact Load Condition	Fully Loaded
Number of Columns	4
Number of Loaded Positions	8
Number of Power Positions	8
PCB Mount Orientation	Vertical
Number of Positions	8
Number of Rows	2

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

Operation/Application

Circuit Application	Power

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 265°C

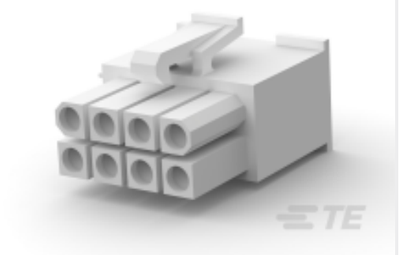
Product Compliance Disclaimer

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



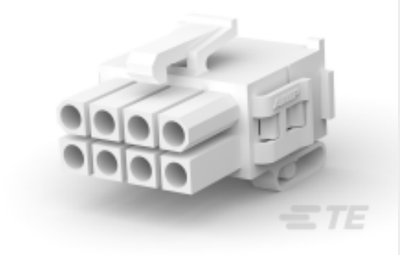
TE Part # 794821-1
08P MINI UMNL PLUG HSG



TE Part # 770579-1
08P MINI UMNL PLUG HSG



TE Part # 794772-8
08P MINI UMNL SEAL,DIE CUT



TE Part # 794192-1
08P MINI UMNL2 PLUG HSG UL94V0

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



Connector Caps & Covers(2)



Connector Contacts(89)



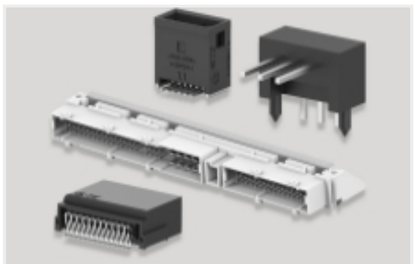
Connector Seals & Cavity Plugs(17)



Connector Strain Relief(2)



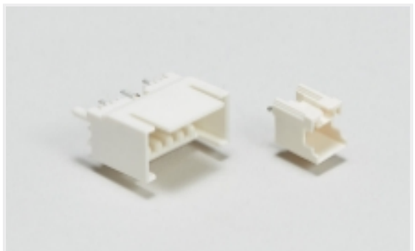
Insertion & Extraction Tools(1)



PCB Headers & Receptacles(93)



Power Contacts(89)



Wire-to-Board Headers & Receptacles (93)

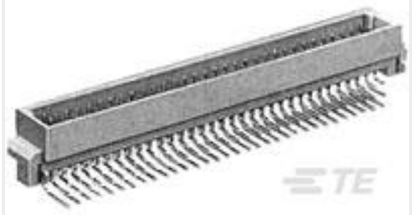
Customers Also Bought



TE Part #650405-5
150 EURO TYPE C RECEPT ST ASSY



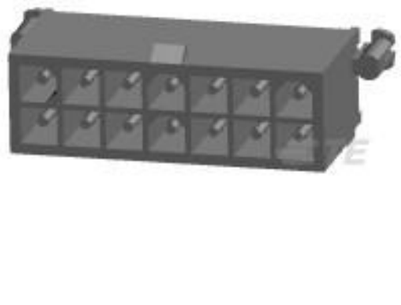
TE Part #5-102203-4
07 MODII HDR SRRA SHRD LF



TE Part #5650473-5
ASSY,PIN,EUROCARD,TYPE C,LEAD-



TE Part #5-146254-8
16 MODII HDR DRST B/A .100CL



TE Part #1-794074-0
14P MINI UMNL HDR W/O DH SN LF



TE Part #5-102202-2
05 MODII HDR SRST SHRD LF



TE Part #1-770874-1
04P MINI UMNL HDR ASSY AU LF



TE Part #5-103080-3
05 MODII HDR SRST SHRD .100CL



TE Part #5-103166-8
20 MODII HDR DRRA SHRD LF



TE Part #5-146277-3
03 MODII HDR SRST B/A .100CL

Documents

Product Drawings

08P MINI UMNL HDR W/O DH SN LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-794073-0_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-794073-0_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-794073-0_D.3d_stp.zip

English

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

Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL Report

English