826851-3 ✔ ACTIVE

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

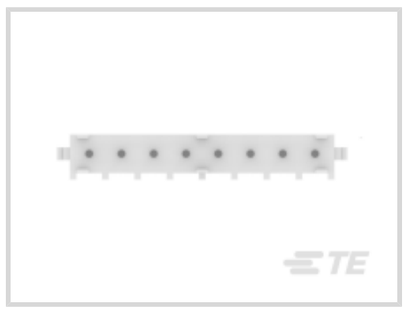
TE Internal #: 826851-3

PCB Mount Header, Vertical, Wire-to-Board, 8 Position, 6.35 mm [.25 in] Centerline, Fully Shrouded, Tin (Sn), 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: **8**

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	8
Number of Loaded Positions	8
Number of Power Positions	8
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	8

Number of Rows	1

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 Mating Area Plating Material Thickness	3 – 5 µm[120 – 200 µin]
PCB Contact Termination Area Plating Material Thickness	3 – 5 µm[120 – 200 µin]
Contact Layout	Inline
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Socket
Contact Current Rating (Max)	12 A

Termination Features

Termination Post & Tail Length	3.56 mm[.14 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Mating Entry Location	Top
Housing Material	PA 6.6
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]
Profile Height from PCB	14.73 mm[.58 in]
Connector Length	52.07 mm[2.05 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

Compatible With Agency/Standards Products	CSA, UL, VDE
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	150
Packaging Method	Box

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	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Solder Process Capability

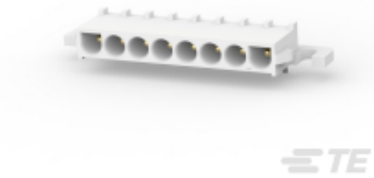
Wave solder capable to 240°C

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 # 826852-3
10P UN-MNL BU SOCK



TE Part # 640584-3
08P UMNL HDR ASSY R/A 94VO LF

TE Part # 640900-1
05P UMNL PIN HDR ASSY 94VO

TE Part # 350833-1
04P UMNL HDR ASSY PC 94VO

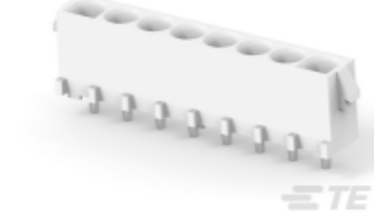
TE Part # 3-643236-0
08P UMNL HDR ASSY R/A 94VO LF

TE Part # 350825-1
03P UMNL HDR ASSY PC 94VO

TE Part # 350826-1
04P UMNL HDR ASSY PC 94VO

TE Part # 350828-1
09P UMNL HDR ASSY PC 94VO

TE Part # 640584-1
08P UMNL HDR ASSY R/A 94VO



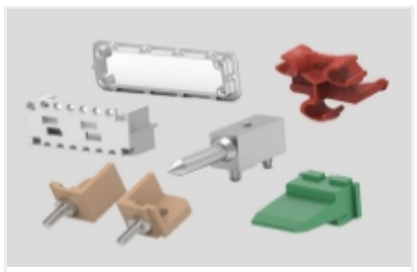
TE Part # 826844-7
UMNL PC PIN HEADER 8POS

TE Part # 643236-1
08P UMNL HDR ASSY R/A 94VO

Also in the Series | Universal MATE-N-LOK

Circular Power Connectors(2)

Connector Contacts(208)



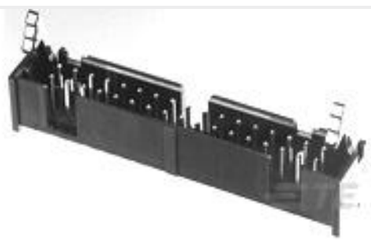
Connector Hardware(12)

Power Contacts(208)

Rectangular Power Connectors(651)

Standard Circular Connectors(1)

Customers Also Bought



TE Part #1761608-3
IDC LOW PRO HDR 10P VERT SHT L

TE Part #350825-1
03P UMNL HDR ASSY PC 94VO

TE Part #350826-1
04P UMNL HDR ASSY PC 94VO

TE Part #CAT-104MTA-PVUNH
PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment

TE Part #640901-1
05P UMNL SOK HDR ASSY 94VO

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

Documents

Product Drawings

8P UN-MNL BU SOCK

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_826851-3_M.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_826851-3_M.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_826851-3_M.3d_stp.zip

English

Product Specifications

Application Specification

English

Agency Approvals

UL

English