

1-794073-1 ✓ ACTIVE

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

TE Internal #: 1-794073-1

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 8 Position, 4.14 mm [.162 in] Centerline, Printed Circuit Board, Mini-Universal MATE-N-LOK

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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

Number of Positions: **8**

Centerline (Pitch): **4.14 mm [.162 in]**

## Features

### Product Type Features

Header Type	Fully Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Plug
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Number of Positions	8
PCB Mount Orientation	Vertical
Number of Power Positions	8
Number of Signal Positions	0
Number of Rows	2

### Electrical Characteristics

Operating Voltage	600 VDC
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### Contact Features

Multiple Contact Types	Without
PCB Contact Termination Area Plating Material Thickness	3.81 $\mu\text{m}$ [150 $\mu\text{in}$ ]
Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	9.5 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 $\mu\text{m}$ [30 $\mu\text{in}$ ]

### Termination Features

Termination Post & Tail Length	3.69 mm[.145 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

### Mechanical Attachment

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

### Housing Features

Centerline (Pitch)	4.14 mm[.162 in]
Housing Color	White
Housing Material	Nylon

### Dimensions

Connector Height	13.49 mm
PCB Thickness (Recommended)	.06 mm[1.57 in]
Product Width	9.83 mm
Product Length	18.11 mm



Row-to-Row Spacing	4.14 mm [.163 in]
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### Usage Conditions

Operating Temperature Range	-55 - 105 °C [-67 - 221 °F]
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### Operation/Application

Circuit Application	Power
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### Industry Standards

CSA Rating	Certified, LR 7189
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UL Rating	Recognized
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Compatible With Agency/Standards Products	CSA, UL
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Compatible With Approved Standards Products	UL E28476
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UL Flammability Rating	UL 94V-0
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Glow Wire Rating	Standard Part - Not Glow Wire
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### Packaging Features

Packaging Quantity	200
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Packaging Method	Bag
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### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Wave solder capable to 265°C
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#### 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



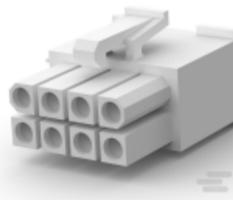
TE Part # 794821-1  
08P MINI UMNL PLUG HSG



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



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



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

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



Connector Caps & Covers(2)



Connector Contacts(89)



Connector Hardware(4)



Connector Seals & Cavity Plugs(17)



Connector Strain Relief(2)

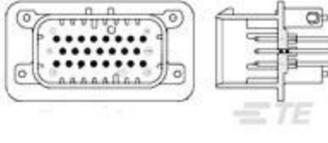


Insertion & Extraction Tools(1)



Rectangular Power Connectors(197)

## Customers Also Bought



TE Part # 1-776228-4  
23POS, PIN DIA 1.3, HDR ASSY,  
180DEG, COD 4



TE Part # 1-770971-1  
10P MINI UMNL R/A HDR ASSY LF



TE Part # 6-104068-6  
80 SYSTEM 50 HDR DRST SHRD



TE Part # 5-103904-1  
2 MTE HDR SRRA LATCH W/HLDWN



TE Part # 1-770174-1  
04P MINI UMNL ASSY VO SNAU LF



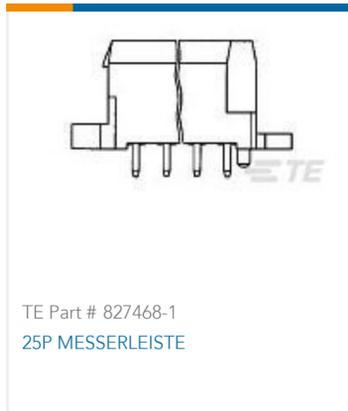
TE Part # 1-770875-1  
06P MINI UMNL HDR ASSY AU LF



TE Part # 4-1474678-4  
FSK-11.6D-18



TE Part # 147377-5  
50 SYS50 SMT HDR DR SHD W/O HD



TE Part # 827468-1  
25P MESSERLEISTE



TE Part # 114010-E  
ERMA 110 FS 1 EED3 \* 3,70 A-E V-V \*  
TRAY

## Documents

### Product Drawings

[08P MINI UMNL HDR W/O DH AU LF](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-794073-1\\_D.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-794073-1\\_D.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-794073-1\\_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 \(U.S.\)](#)

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English