



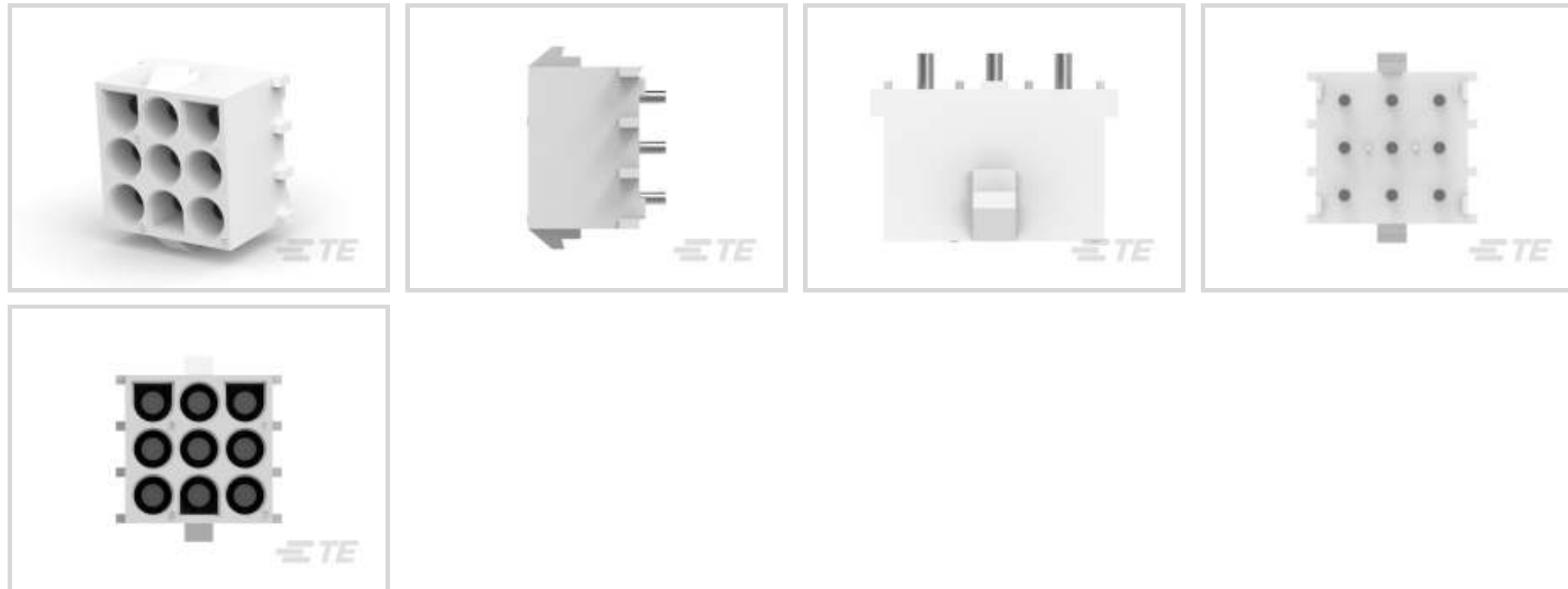
MATE-N-LOK | Universal MATE-N-LOK

TE Internal #: 2029002-1

Rectangular Power Connectors, Header, Receptacle, Wire-to-Board, 9 Position, 6.35 mm [.25 in] Centerline, Printed Circuit Board, Universal MATE-N-LOK

[View on TE.com >](#)

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **9**

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

**Features**

**Product Type Features**

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

**Configuration Features**

Number of Columns	3
Number of Loaded Positions	9
Number of Positions	9
PCB Mount Orientation	Vertical
Number of Power Positions	9
Number of Rows	3

**Electrical Characteristics**

Operating Voltage	600 VAC
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### Contact Features

Contact Layout	Matrix
Contact Mating Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	12 A
Contact Retention Within Housing	Without
Contact Type	Socket
PCB Contact Termination Area Plating Material	Pre-Tin

### Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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### Mechanical Attachment

Mating Alignment Type	Polarization
Mating Alignment	With
Connector Mounting Type	Board Mount

### Housing Features

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

### Dimensions

Connector Height	14.73 mm [.58 in]
PCB Thickness (Recommended)	1.57 mm [.06 in]
Product Width	20.32 mm [.8 in]
Product Length	20.32 mm [.8 in]
Row-to-Row Spacing	6.35 mm [.25 in]

### Usage Conditions

Operating Temperature Range	-40 – 105 °C [-40 – 221 °F]
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### Operation/Application

Shielded	No
Circuit Application	Power

### Industry Standards

UL Rating	Recognized
Agency/Standard	UL



UL Flammability Rating	UL 94V-2
Glow Wire Rating	Standard Part - Not Glow Wire

### 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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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 # 1586681-2  
12P UMNL PIN HDR ASSY 94VO SL



TE Part # 1586076-1  
02P UMNL PIN HDR W/O DRNS V2



TE Part # 794880-1  
09P UMNL PIN HDR ASSY 94VO



TE Part # 794876-1  
02P UMNL PIN HDR ASSY POL 94VO



TE Part # 794878-1  
03P UMNL PIN HDR ASSY 94VO



TE Part # 1586090-1  
06P UMNL PINHDR NO DRAIN HOLE



TE Part # 1586681-8  
12P UMNL PIN HDR ASSY 94VO SL



TE Part # 1586682-3  
09P UMNL HDR ASSY PC 94VO SL



TE Part # 2029397-1  
03P UMNL PIN HDR ASY 94VO NODH



TE Part # 643254-1  
09P UMNL ASSY MOD HSG VO



TE Part # 1586137-1  
02P UMNL PIN HDR POL NAT NDH




TE Part # 2029451-1  
06P UMNL SOK HDR ASSY W/O DRNS




TE Part # 794584-2  
05P UMNL SOC HDR ASS POL BLACK


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




Circular Power Connectors(2)



Connector Contacts(2)



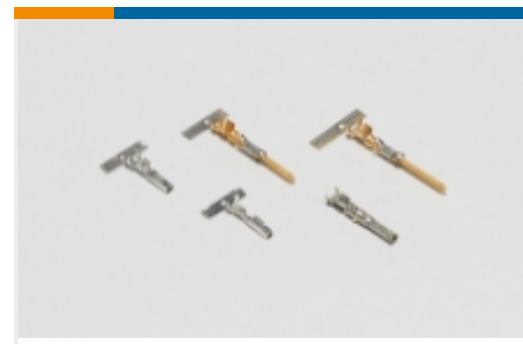
Connector Seals & Cavity Plugs(27)



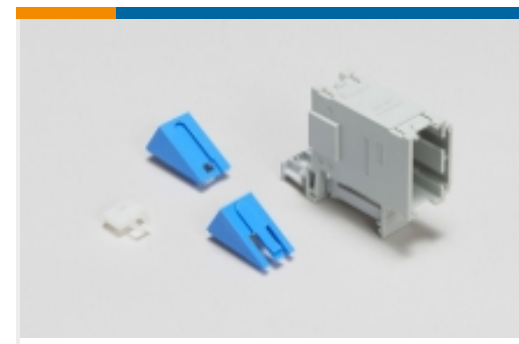
Connector Strain Relief(34)



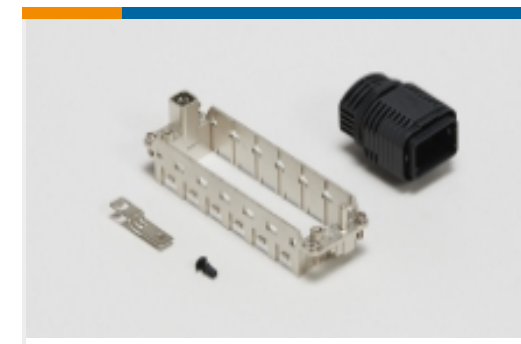
Insertion & Extraction Tools(4)



Power Contacts(209)



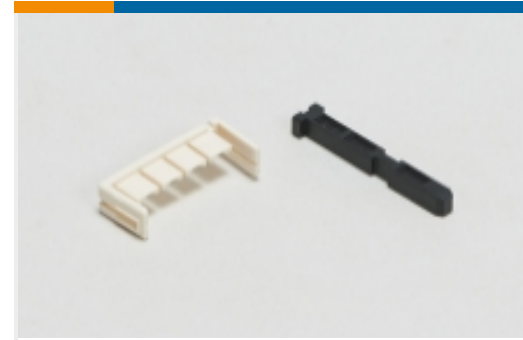
Rectangular Connector Adapters(7)



Rectangular Connector Hardware(1)



Rectangular Connector Housings(1)



Rectangular Connector Keying Plugs(3)



Rectangular Connector Locking(8)



Rectangular Power Connectors(672)

## Customers Also Bought



TE Part #5-794636-0  
20P MICRO MNL ASSY,VRT,SMT,LF



TE Part #58380-2  
AMP MNL 10 DIE SET



TE Part #2825112-1  
12P UMNL SOC HDR 94V0 NDH



TE Part #2106117-2  
Header, Vertical TH Header, 2-Position



TE Part #2029001-1  
04P UMNL HDR ASSY PC, NDH



TE Part #1586176-2  
12P UMNL PIN HDR 94V2 NDH



TE Part #0600-00052  
ANT, Dipole, RA

## Documents

### Product Drawings

09P UMNL HDR ASSY PC, NDH

English

### CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2029002-1\_A.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_2029002-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2029002-1\\_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