

5-794630-2

✓ ACTIVE

MATE-N-LOK | Micro MATE-N-LOK

TE Internal #: 5-794630-2

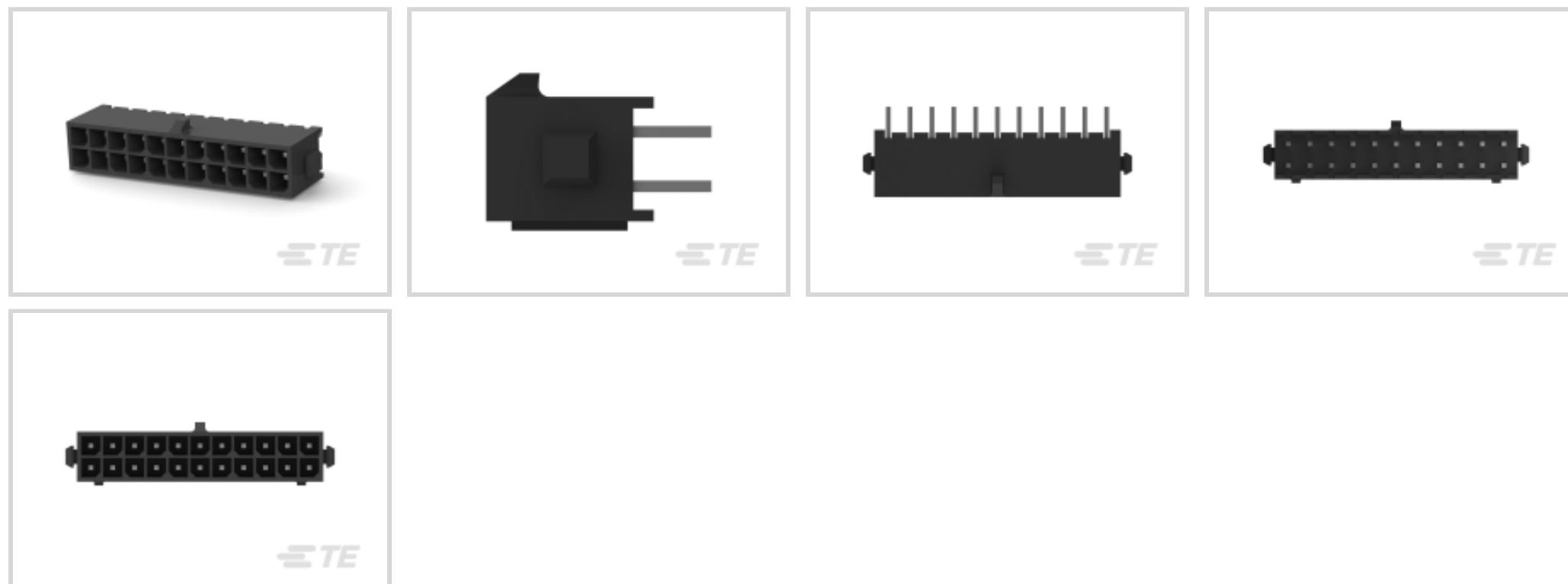
Rectangular Power Connectors, Header, Plug, Wire-to-Board, 22

Position, 3 mm [.118 in] Centerline, Printed Circuit Board, UL 94V-0,

Micro MATE-N-LOK

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Connectors &gt; Power Connectors &gt; Rectangular Power &gt; Rectangular Power Connectors

Rectangular Power Connector Type: **Header**Connector & Housing Type: **Plug**Connector System: **Wire-to-Board**Number of Positions: **22**Centerline (Pitch): **3 mm [.118 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	22
PCB Mount Orientation	Vertical
Number of Power Positions	22
Number of Rows	2

### Electrical Characteristics

Operating Voltage	250 VDC
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### Contact Features

Multiple Contact Types	Without
PCB Contact Termination Area Plating Material Thickness	3.81 - 8.89 $\mu\text{m}$ [150 - 350 $\mu\text{in}$ ]
Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	5 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	2.54 - 7.62 $\mu\text{m}$ [100 - 300 $\mu\text{in}$ ]

### Termination Features

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

### Mechanical Attachment

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

### Housing Features

PCB Mount Retention Material	Phosphor Bronze
Centerline (Pitch)	3 mm[.118 in]
Housing Color	Black
Housing Material	Nylon

### Dimensions

Compatible Insulation Diameter (Max)	1.52 mm
Connector Height	8.67 mm
PCB Thickness (Recommended)	1.6 mm[.063 in]
Product Width	9.24 mm
Product Length	37 mm

Row-to-Row Spacing 3 mm [.118 in]

#### Usage Conditions

Operating Temperature Range -40 - 105 °C [-40 - 221 °F]

#### Operation/Application

Circuit Application Power

#### Industry Standards

CSA Rating Certified, LR 7189

Glow Wire Material Rating Material with GWFI 850°C, Material with GWIT  $\geq$  775°C

UL Rating Recognized

Compatible With Agency/Standards Products CNR, USR

Compatible With Approved Standards Products UL E28476

UL Flammability Rating UL 94V-0

Glow Wire Rating GWT 750°C (Without Flame)

#### Packaging Features

Packaging Quantity 91

Packaging Method Box & Tray, Tray

#### Product Compliance

For compliance documentation, visit the product page on [TE.com](http://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 2024 (240)

Candidate List Declared Against: JAN 2024 (240)

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 Reflow solder capable to 260°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

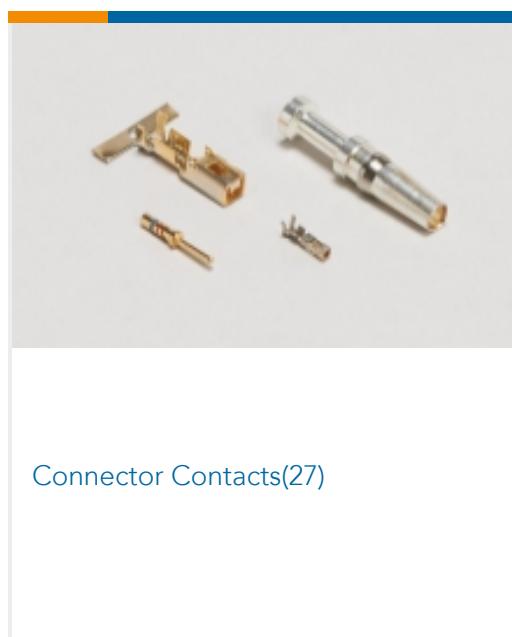
chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may 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

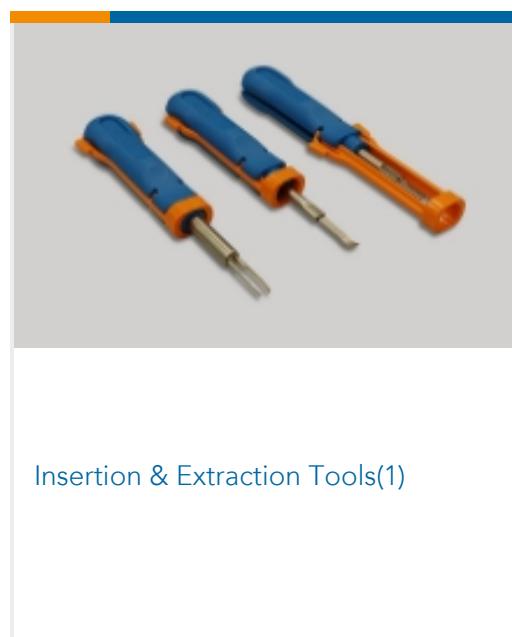


TE Part # 2-794617-2  
22POS,MICRO MNL,RCPT HSG

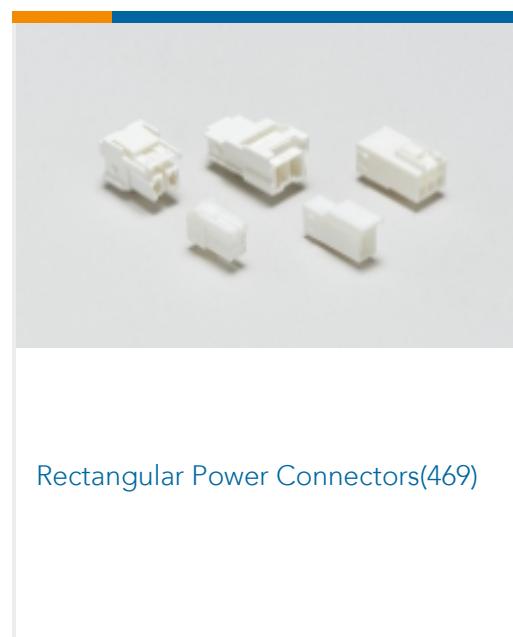
## Also in the Series | Micro MATE-N-LOK



Connector Contacts(27)



Insertion & Extraction Tools(1)



Rectangular Power Connectors(469)

## Customers Also Bought



TE Part # 63968-1  
FASTON 205/250 LIF PCB MOUNTED  
TPBR



TE Part # 2-1445050-9  
MICRO MNL HDR ASSY S/ROW LF



TE Part # 5-2176329-1  
CRGP 1210 150K 1%



TE Part # HD10-6BT  
BOOT, 6P, PLG/REC, ST, GRY



TE Part # 6274020-1  
JACK, VERTICAL, PCB, F SERIES



TE Part # 5-794681-4  
24P MICRO MNL ASSY,VRT,THRU,LF



TE Part # 5053092267  
RNF-100-1/4-BK-STK



TE Part # 5052942218  
RNF-100-3/32-BK-STK



TE Part # 1438133-1  
70 WAY WIRE SHIELD (PROD)

## Documents

### Product Drawings

[22P MICRO MNL ASSY,VRT,HDR,LF](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5-794630-2\\_H.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-794630-2\\_H.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-794630-2\\_H.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

[MICRO MATE-N-LOK CONNECTOR SYSTEM](#)

English

### Product Specifications

[Application Specification](#)

English

**Agency Approvals**

**VDE Certificate**

English