

4-794630-8  ACTIVE

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

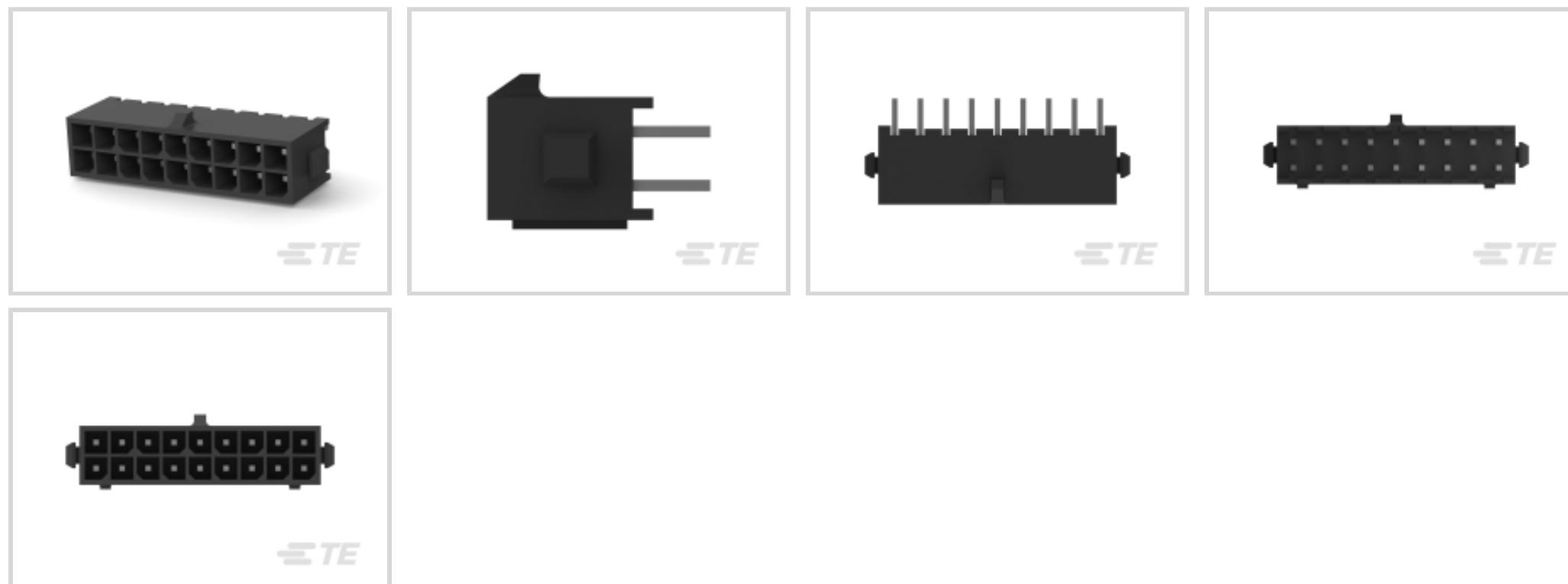
TE Internal #: 4-794630-8

PCB Mount Header, Vertical, Wire-to-Board, 18 Position, 3 mm [.118 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Power, Micro MATE-N-LOK

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **18**

Number of Rows: **2**

Centerline (Pitch): **3 mm [.118 in]**

PCB Mount Orientation: **Vertical**

## Features

### Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
PCB Connector Assembly Type	PCB Mount Header

### Configuration Features

Number of Power Positions	18
Number of Columns	9
Number of Loaded Positions	18
Connector Contact Load Condition	Fully Loaded
Number of Positions	18
Number of Rows	2

PCB Mount Orientation

Vertical

**Electrical Characteristics**

Operating Voltage

250 VAC

**Body Features**

Primary Product Color

Black

**Contact Features**

Contact Mating Area Length

4.15 mm[.163 in]

Contact Size

.64mm

Mating Square Post Dimension

.64 mm[.025 in]

PCB Contact Termination Area Plating Material Thickness

2.54 - 7.62  $\mu$ m[100 - 300  $\mu$ in]

Contact Layout

Matrix

Contact Underplating Material Thickness

1.27 - 2.54  $\mu$ m[50 - 100  $\mu$ in]

Contact Mating Area Plating Material Thickness

2.54 - 7.62  $\mu$ m[100 - 300  $\mu$ in]

PCB Contact Termination Area Plating Material Finish

Matte

Contact Shape &amp; Form

Square

Contact Mating Area Plating Material Finish

Matte

Contact Underplating Material

Nickel

PCB Contact Termination Area Plating Material

Tin

Contact Base Material

Brass

Contact Mating Area Plating Material

Tin

Contact Type

Tab

Contact Current Rating (Max)

5 A

**Termination Features**

Square Termination Post &amp; Tail Dimension

.64 mm[.025 in]

Termination Post &amp; Tail Length

3.18 mm[.125 in]

Termination Method to Printed Circuit Board

Through Hole - Solder

**Mechanical Attachment**

Mating Alignment Type

Polarization

Mating Retention

With

Panel Mount Feature

Without

PCB Mount Retention Type

Retention Bump

Mating Retention Type

Locking Tab

## Connector Mounting Type

Board Mount

Mating Alignment

With

PCB Mount Alignment

Without

PCB Mount Retention

With

**Housing Features**

Mating Entry Location

Top

Housing Material

High Temperature Nylon

Centerline (Pitch)

3 mm [.118 in]

**Dimensions**

Connector Length

31 mm [1.22 in]

Connector Height

9.24 mm [.364 in]

Connector Width

8.67 mm [.341 in]

PCB Thickness (Recommended)

1.57 mm [.062 in]

Row-to-Row Spacing

3 mm [.118 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**

UL Rating

Recognized

Glow Wire Rating

GWT 750°C (Without Flame)

Compatible With Agency/Standards Products

CNR, USR

Compatible With Approved Standards Products

UL E28476

UL Flammability Rating

UL 94V-0

**Packaging Features**

Packaging Quantity

117

Packaging Method

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

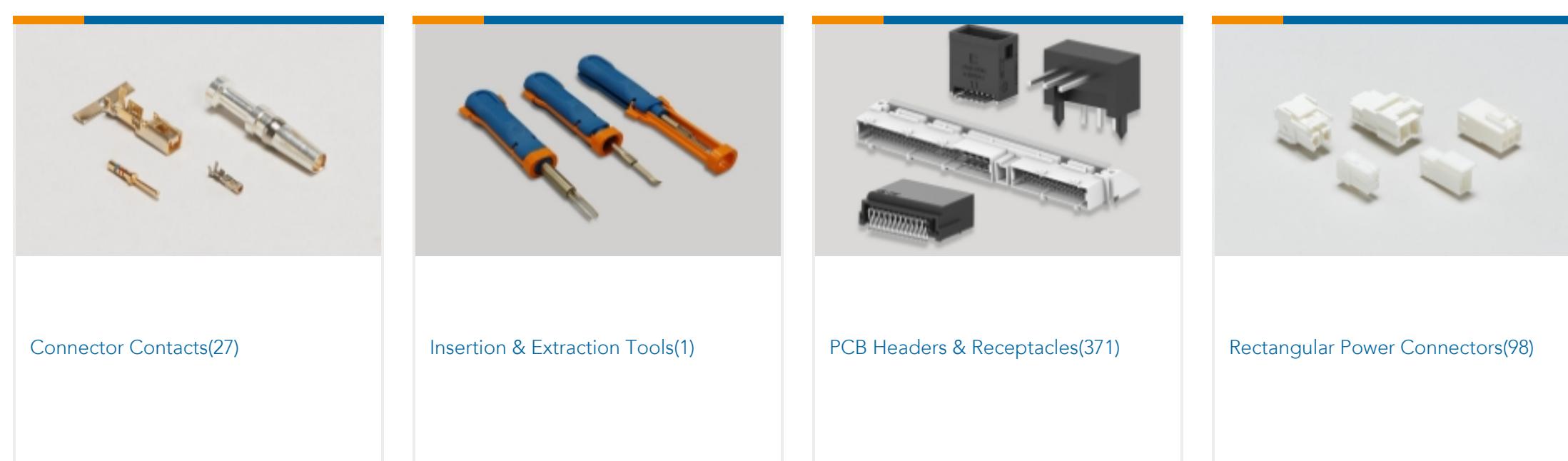
## Product Compliance Disclaimer

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



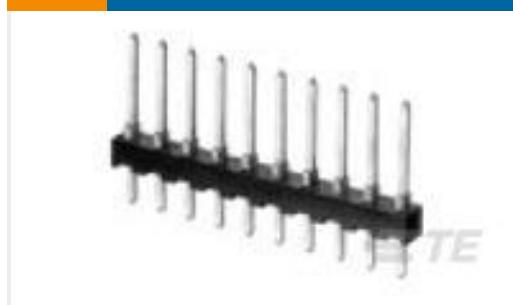
TE Part # 1-794617-8  
18POS,MICRO MNL,RCPT HSG

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

## Customers Also Bought



TE Part # 5222092-1  
JACK,RTANG,PCB,75 OHM,BNC



TE Part # 2-825440-5  
MOD 2 PINHDR 2X25P.



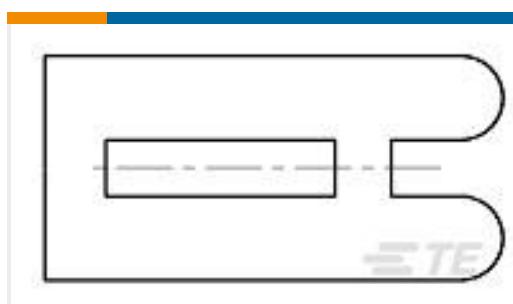
TE Part # 5-794630-4  
24P MICRO MNL ASSY,VRT,HDR,LF



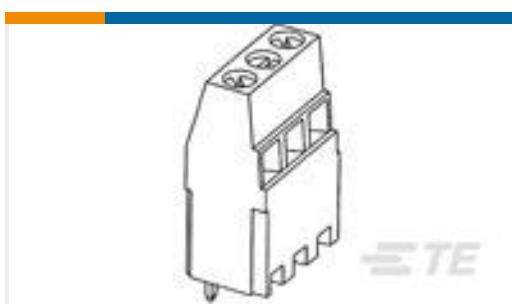
TE Part # 3-794630-2  
02P MICRO MNL ASSY,VRT,HDR,LF



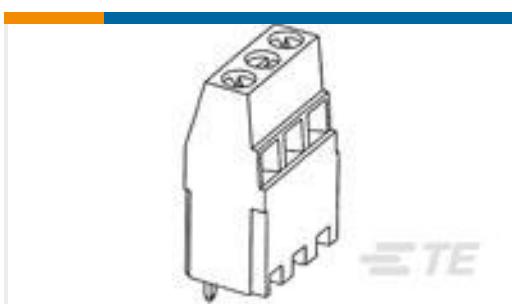
TE Part # 966870-1  
MOD2 ST-WANNE 2X 8P



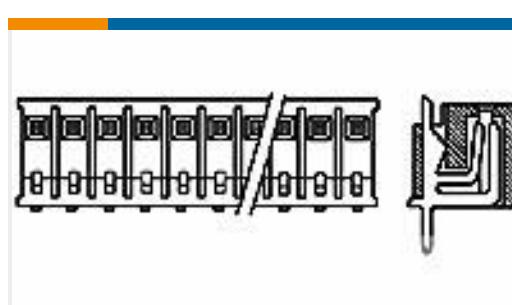
TE Part # 926498-3  
MOD2 KODIERSTUECK



TE Part # 282901-2  
TERMI-BLOK PCB MOUNT 2ND 2P.5,



TE Part # 282901-3  
TERMI-BLOK PCB MOUNT 2ND 3P.5,



TE Part # 163685-1  
03P.CIS FEM ASS P1



TE Part # CONSMA002-SMD-G-T  
SMA Jack 50 Ohm PCB Surface Mount

## Documents

### Product Drawings

[18P MICRO MNL ASSY,VRT,HDR,LF](#)

English

### CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_4-794630-8\\_H.2d\\_dxf.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_4-794630-8\\_H.3d\\_igs.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_4-794630-8\\_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

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**Product Specifications**

[Application Specification](#)

English

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**Agency Approvals**

[VDE Certificate](#)

English