

2-1445053-6 ✓ ACTIVE

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

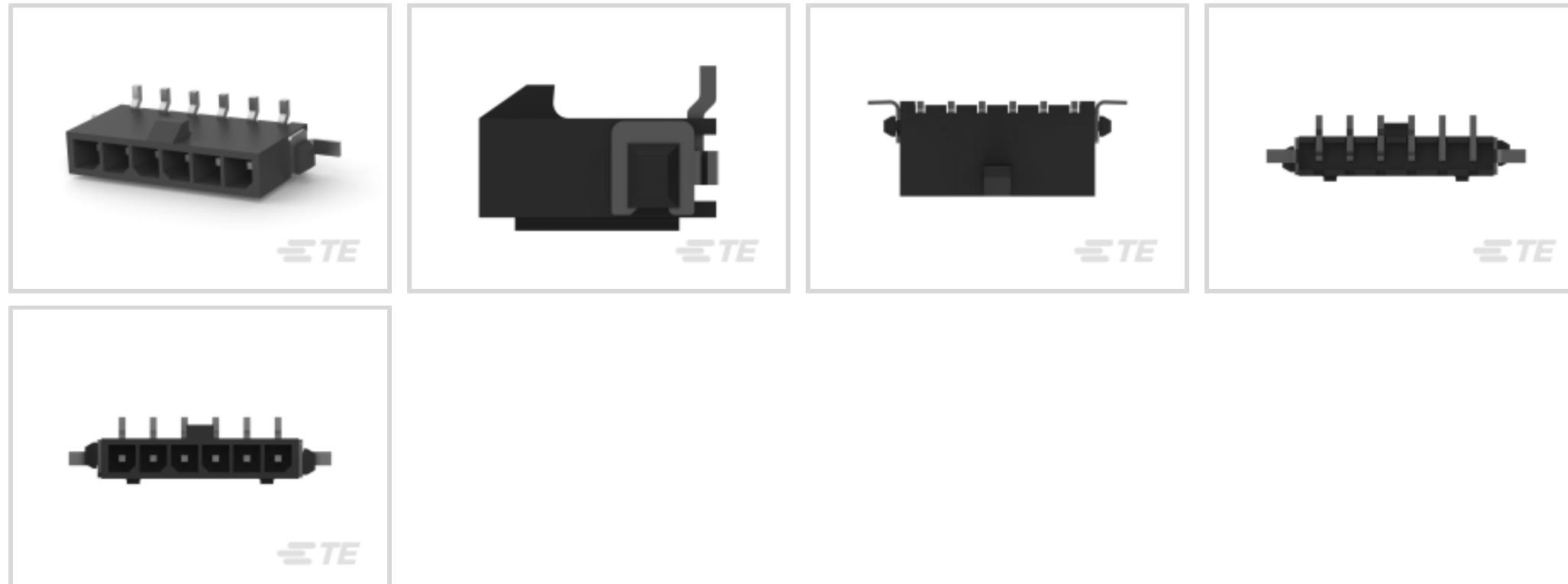
TE Internal #: 2-1445053-6

PCB Mount Header, Vertical, Wire-to-Board, 6 Position, 3 mm [.118 in] Centerline, Fully Shrouded, Tin, Surface Mount, Power, Black, Micro MATE-N-LOK

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **6**

Number of Rows: **1**

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	6
Number of Columns	6
Number of Loaded Positions	6
Connector Contact Load Condition	Fully Loaded
Number of Positions	6
Number of Rows	1

PCB Mount Orientation

Vertical

**Electrical Characteristics**

Operating Voltage

250 VAC

**Body Features**

PCB Retention Feature Material

Phosphor Bronze

PCB Retention Feature Plating Material

Tin

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  $\mu\text{m}$  [100 - 300  $\mu\text{in}$ ]

Contact Layout

Inline

Contact Underplating Material Thickness

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

Contact Mating Area Plating Material Thickness

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

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 Method to Printed Circuit Board

Surface Mount

**Mechanical Attachment**

Mating Alignment Type

Polarization

Mating Retention

With

Panel Mount Feature

Without

PCB Mount Retention Type

Hold-Down

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	22 mm [.866 in]
Connector Height	9.24 mm [.364 in]
Connector Width	3.86 mm [.152 in]
PCB Thickness (Recommended)	1.57 mm [.062 in]

### Usage Conditions

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

### Operation/Application

Circuit Application	Power
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### 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	210
Packaging Method	Tape

### Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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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

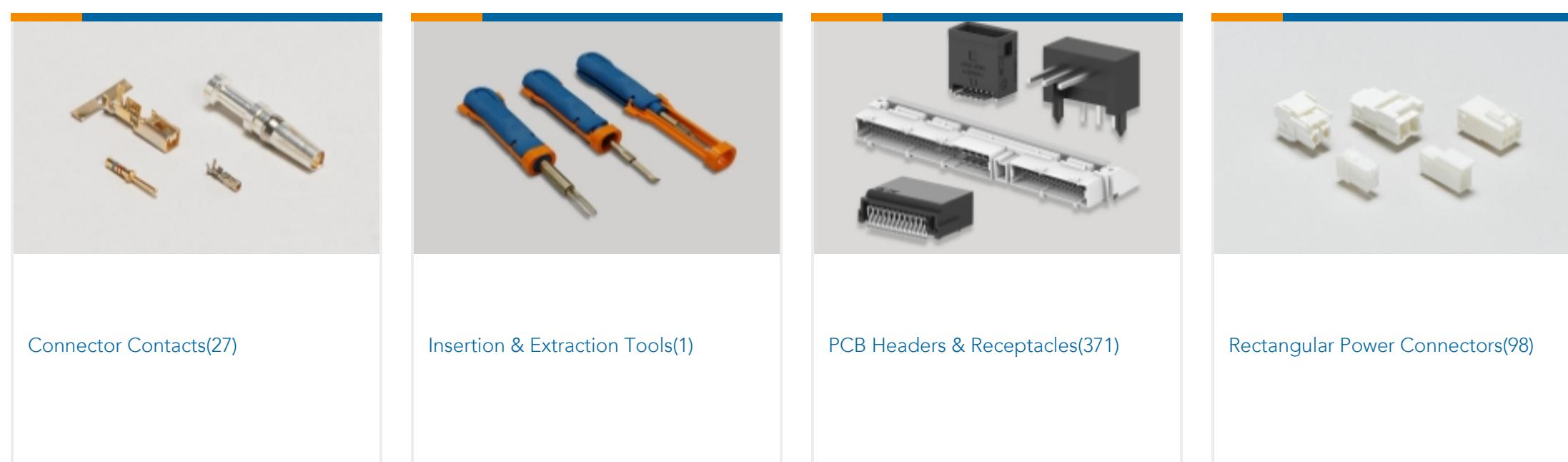
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 1445022-6  
MICRO MNL RFECEPT HSG SINGLE R

TE Part # 2008571-6  
6 POS MICRO MNL, TOP LATCH, BL

Also in the Series | [Micro MATE-N-LOK](#)

Connector Contacts(27)

Insertion & Extraction Tools(1)

PCB Headers & Receptacles(371)

Rectangular Power Connectors(98)

## Customers Also Bought

TE Part # 2176071-3  
3521 160K 1% 2WTE Part # 35346  
TERMINAL,PIDG R 12-10 5/16TE Part # 2-1445057-2  
MICRO MNL HDR ASSY SINGLE ROWTE Part # 2-1445053-3  
MICRO MNL HDR ASSY S/ROW LFTE Part # 2-1445053-2  
MICRO MNL HDR ASSY S/ROW LFTE Part # 5-794636-0  
20P MICRO MNL ASSY,VRT,SMT,LFTE Part # 4-1393248-6  
W33-T4B1Q-5=W33TE Part # 8-2176088-1  
RP 1J 0.166W 6K19 0.1% 25PPM 1K RLTE Part # 4-794637-0  
10P MICRO MNL ASSY,VRT,SMT LF

## Documents

### Product Drawings

#### MICRO MNL HDR ASSY S/ROW LF

English

### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2-1445053-6\\_D.2d\\_dxf.zip](#)

English

### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2-1445053-6\\_D.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2-1445053-6\\_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

**MICRO MATE-N-LOK CONNECTOR SYSTEM**

English

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**Product Specifications**

[Application Specification](#)

English