

2-1445093-5 ✓ ACTIVE

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

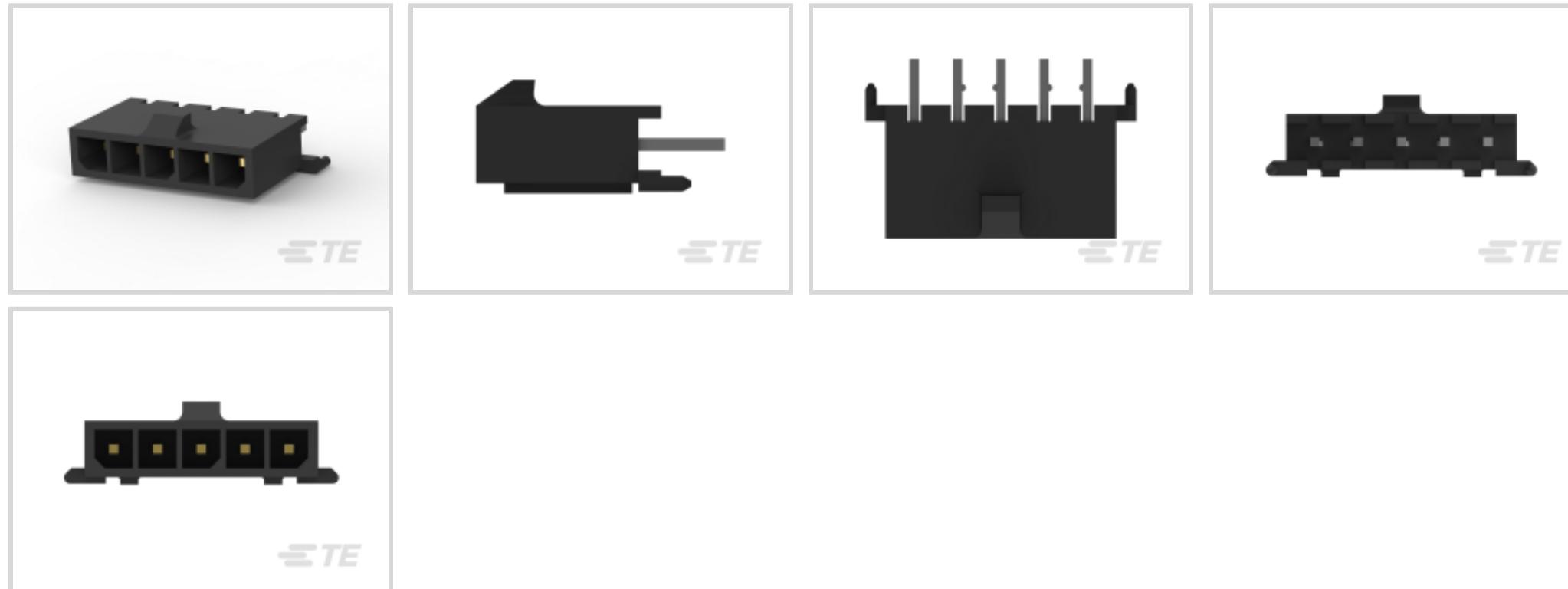
TE Internal #: 2-1445093-5

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 5 Position, 3 mm [.118 in] Centerline, Printed Circuit Board, UL 94V-0, Micro MATE-N-LOK

[View on TE.com >](#)



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: **5**

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	5
PCB Mount Orientation	Vertical
Number of Power Positions	5
Number of Rows	1

### Electrical Characteristics

Operating Voltage	250 VDC
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### Contact Features

Multiple Contact Types	Without
PCB Contact Termination Area Plating Material Thickness	2.54 $\mu\text{m}$ [100 $\mu\text{in}$ ]
Contact Layout	Inline
Contact Mating Area Plating Material	Gold
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	.76 $\mu\text{m}$ [30 $\mu\text{in}$ ]

#### Termination Features

Termination Post & Tail Length	3.18 mm[.125 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

#### Mechanical Attachment

PCB Mount Alignment Type	Polarization
Mating Alignment Type	Polarization
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	With
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

Centerline (Pitch)	3 mm[.118 in]
Housing Color	Black
Housing Material	High Temperature Nylon

#### Dimensions

Compatible Insulation Diameter (Max)	1.52 mm[1.52 in]
PCB Thickness (Recommended)	.06 mm[1.57 in]
Wire Size	100.5 - 1022 CMA

#### 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

210

Packaging Method

Box &amp; Tray, Tray

**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: JAN 2024 (240)

Candidate List Declared Against: JAN 2024 (240)

Does not contain REACH SVHC

Halogen Content

Low Halogen - Br, Cl, F, I &lt; 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>

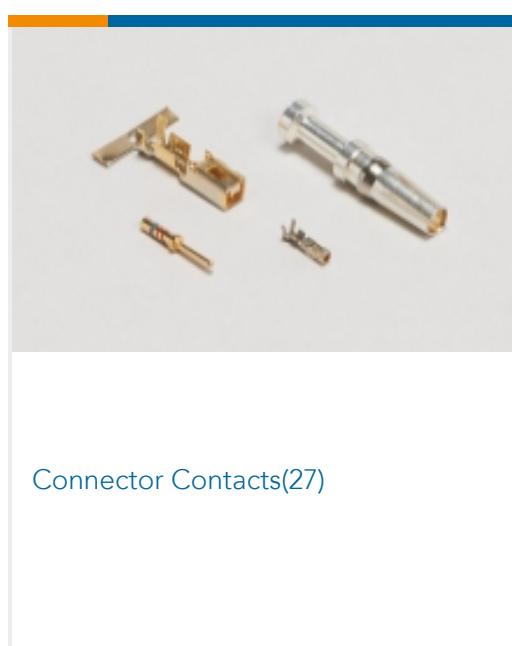
## Compatible Parts



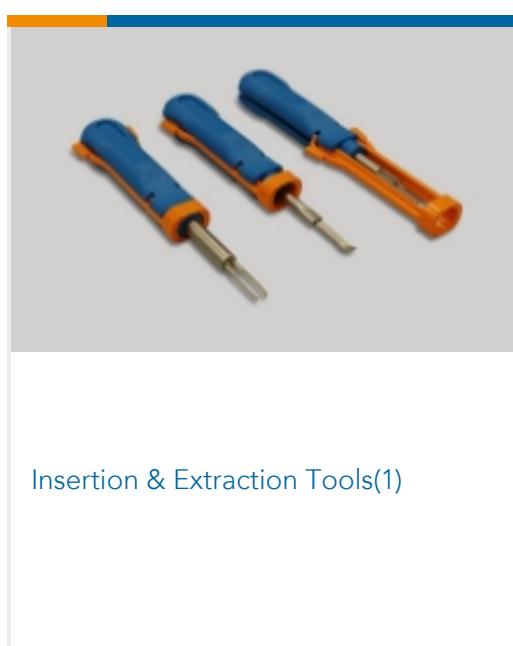
TE Part # 1445022-5  
MICRO MNL RFECEPT HSG SINGLE R

## Also in the Series

### Micro MATE-N-LOK



Connector Contacts(27)



Insertion & Extraction Tools(1)



Rectangular Power Connectors(469)

## Customers Also Bought



TE Part # 213782-4  
CPC RECPT ASSEMBLY SIZE 23-19



TE Part # 1445022-5  
MICRO MNL RFECEPT HSG SINGLE R



TE Part # 3-794632-8  
08P MICRO MNL ASSY,VRT,HDR,LF



TE Part # 7-1625867-1  
RP 1J 0.166W 34R 0.1% 25PPM 1K RL



TE Part # 1-794611-2  
MICRO MNL RPT CNT,LS PC,30AU L



TE Part # 3-794632-6  
06P MICRO MNL ASSY,VRT,HDR,LF



TE Part # 3-794620-6  
06P MICRO MNL ASSY,R/A,HDR,LF



TE Part # 2-1445093-2  
MICRO MNL HDR ASSY S/ROW AU LF



## Documents

### Product Drawings

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

English

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### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2-1445093-5\\_C.2d\\_dxf.zip](#)

English

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2-1445093-5\\_C.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2-1445093-5\\_C.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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### 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