

2-1445088-3 ✓ ACTIVE

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

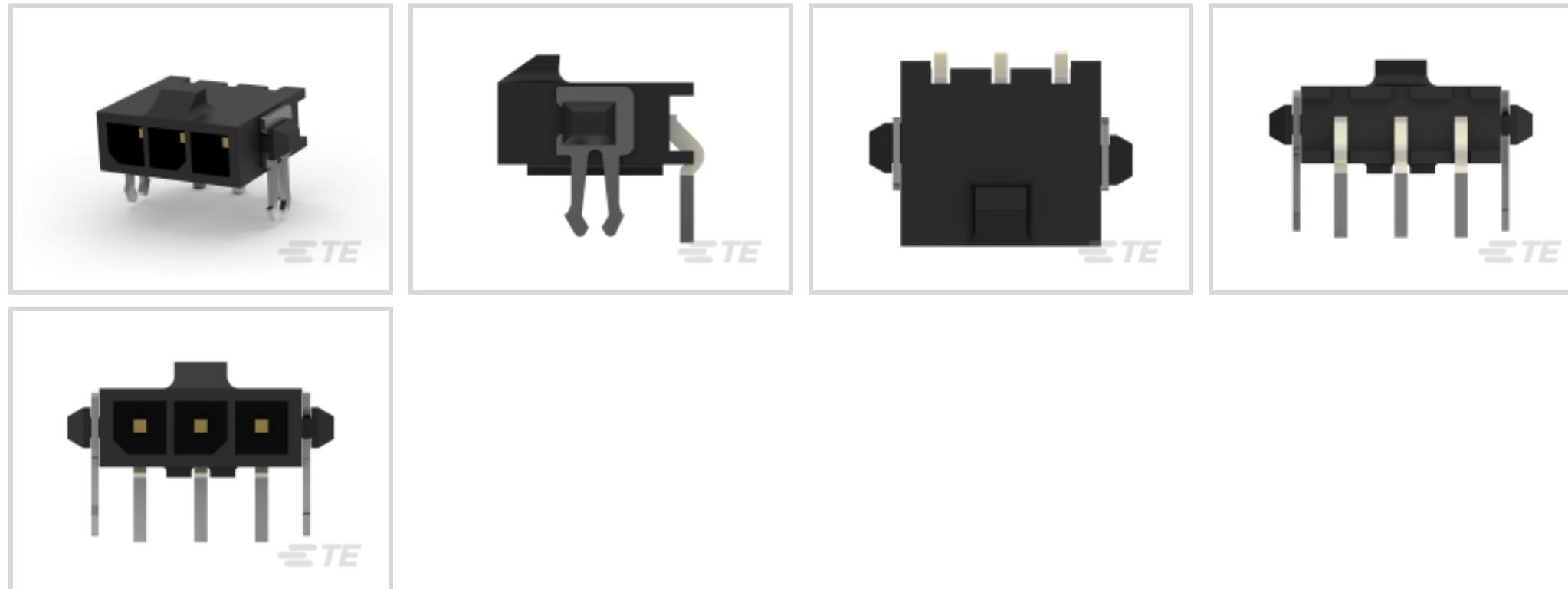
TE Internal #: 2-1445088-3

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 3 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: **3**

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	3
PCB Mount Orientation	Right Angle
Number of Power Positions	3
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	.38 $\mu\text{m}$ [15 $\mu\text{in}$ ]

### Termination Features

Termination Post & Tail Length	2.89 mm[.113 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	Boardlock
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	High Temperature Nylon

### Dimensions

PCB Thickness (Recommended)	.06 mm[1.57 in]
Product Length	10.43 mm

### Usage Conditions

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

Agency/Standard

CNR, USR

Approved Standards

UL E28476

UL Flammability Rating

UL 94V-0

Glow Wire Rating

GWT 750°C (Without Flame)

## Packaging Features

Packaging Quantity

266

Packaging Method

Box &amp; 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: JUNE 2023 (235)

Candidate List Declared Against: JUNE 2023 (235)

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 # 1445022-3  
MICRO MNL RFECEPT HSG SINGLE R



TE Part # 2008571-3  
3 POS MICRO MNL, TOP LATCH, BL



TE Part # 2029047-3  
3P MICRO MNL RCPT HSG SR SIDE

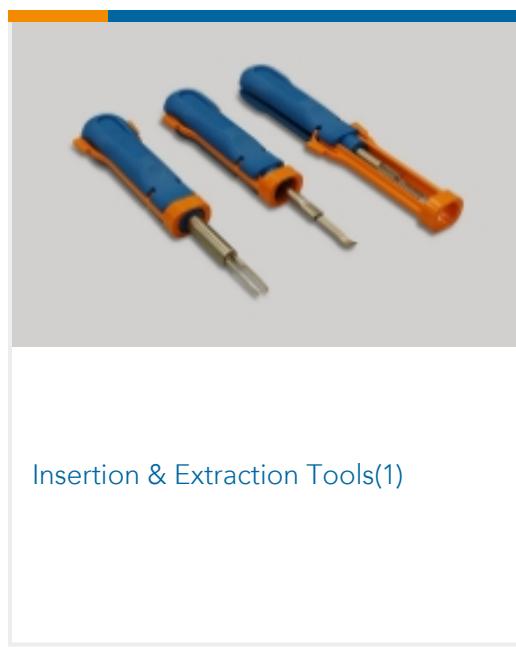


TE Part # 2029102-3  
3P MICRO MNL RCPT SR SIDE WHT

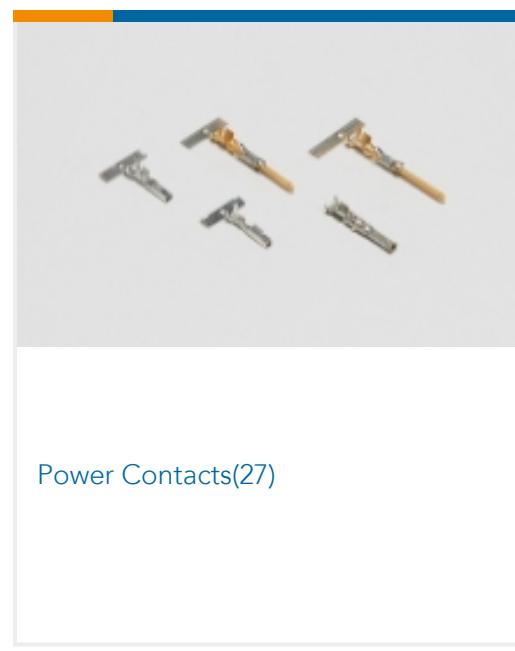


TE Part # 2315752-3  
3P, MICRO MNL RCPT HSG SINGLE ROW, V0 GW

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



Insertion & Extraction Tools(1)



Power Contacts(27)



Rectangular Power Connectors(466)

## Customers Also Bought



TE Part #178308-3  
DYNAMIC D-3 HDR ASSY H 20P



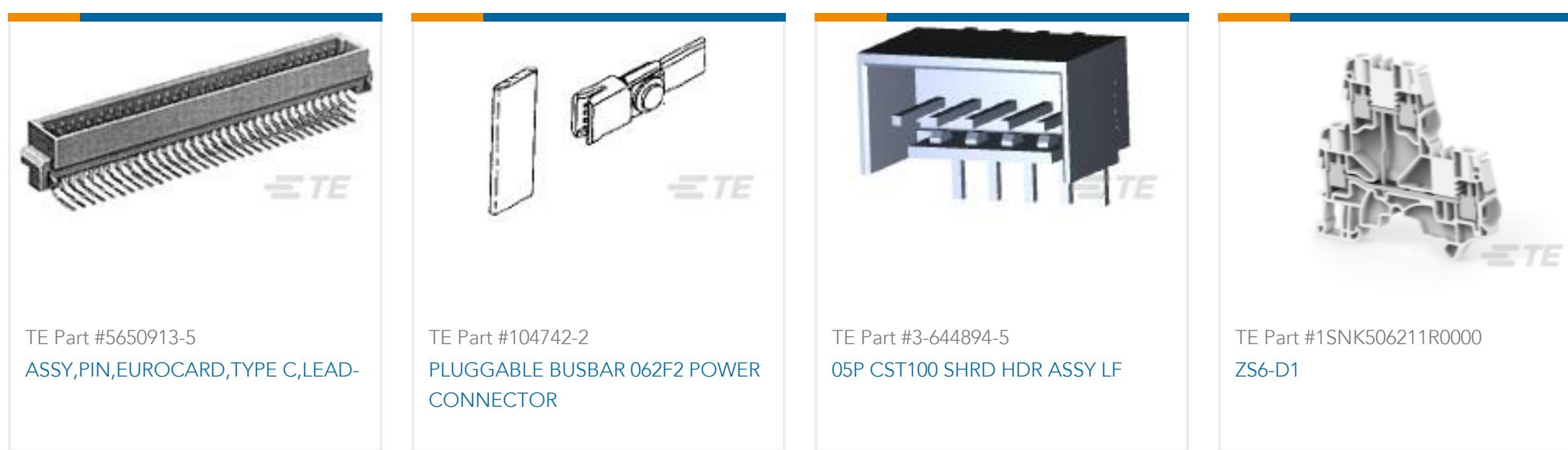
TE Part #1-5177986-3  
0.8FH,P06H.5,080,08/Sn,TR,SC



TE Part #3-1827233-6  
.5FHP05H,440,B,GIG,08/Sn,HT,NS



TE Part #34155  
PG SPD 22-16 COMM 22-18 MIL 8



## Documents

### Product Drawings

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

English

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### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2-1445088-3\\_B.2d\\_dxf.zip](#)

English

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2-1445088-3\\_B.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2-1445088-3\\_B.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

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### Product Environmental Compliance

#### TE Material Declaration

English