

2-1445057-2 ✓ ACTIVE

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

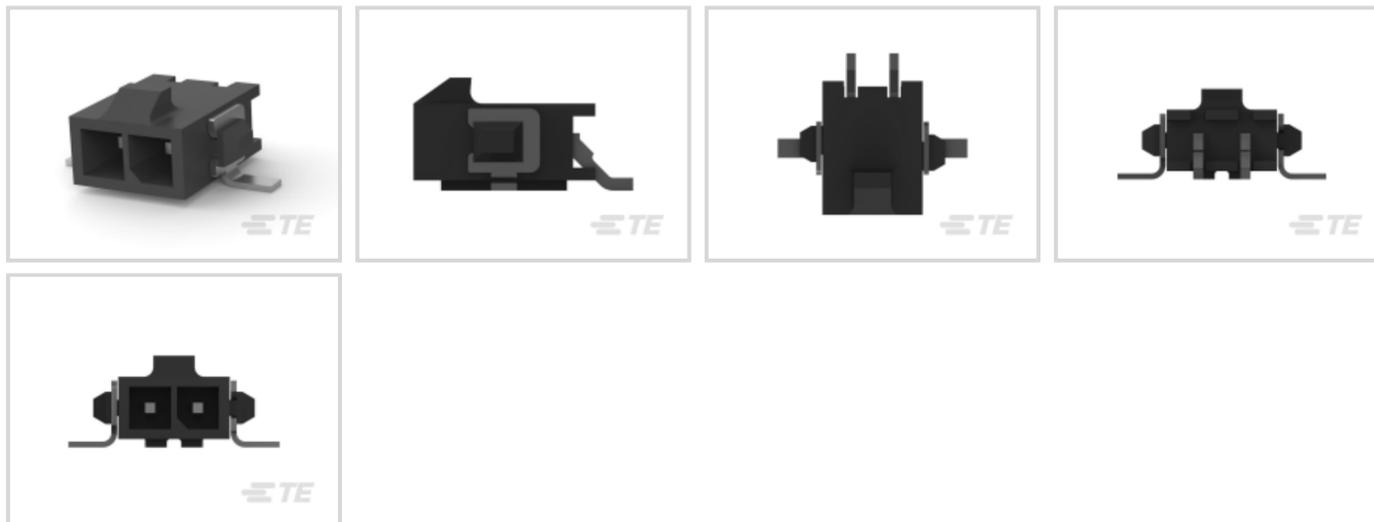
TE Internal #: 2-1445057-2

PCB Mount Header, Right Angle, Wire-to-Board, 2 Position, 3 mm [.118 in] Centerline, Fully Shrouded, Tin, Surface Mount, Power, Micro MATE-N-LOK

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **2**

Number of Rows: **1**

## Features

### Electrical Characteristics

Operating Voltage	250 VDC
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### Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	3.86 mm[.152 in]
Connector Length	10 mm[.394 in]

### Packaging Features

Packaging Quantity	215
Packaging Method	Tape

### Industry Standards

Compatible With Agency/Standards Products	USR, CNR
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
Glow Wire Rating	GWT 750°C (Without Flame)
UL Flammability Rating	UL 94V-0



### Usage Conditions

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

### Body Features

PCB Retention Feature Material	Phosphor Bronze
PCB Retention Feature Plating Material	Tin
Primary Product Color	Black

### Mechanical Attachment

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

### Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Method to PCB	Surface Mount

### Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 – 2.54 µm[50 – 100 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Size	.64mm
Contact Mating Area Plating Material Thickness	2.54 – 7.62 µm[100 – 300 µin]
Mating Square Post Dimension	.64 mm[.025 in]
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material Thickness	2.54 – 7.62 µm[100 – 300 µin]
Contact Layout	Inline
Contact Mating Area Length	4.15 mm[.163 in]
Contact Base Material	Brass



PCB Contact Termination Area Plating Material	Tin
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Contact Mating Area Plating Material Finish	Matte
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Contact Mating Area Plating Material	Tin
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Contact Type	Tab
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Contact Current Rating (Max)	5 A
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### Housing Features

Mating Entry Location	Side
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Housing Material	High Temperature Nylon
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Centerline (Pitch)	3 mm [.118 in]
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### Configuration Features

Number of Columns	2
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Number of Loaded Positions	2
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Number of Power Positions	2
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Connector Contact Load Condition	Fully Loaded
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PCB Mount Orientation	Right Angle
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Number of Positions	2
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Number of Rows	1
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### Product Type Features

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

Circuit Application	Power
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### Other

EU RoHS Compliance	Compliant
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EU ELV Compliance	Compliant
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### Product Compliance

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

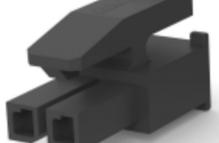
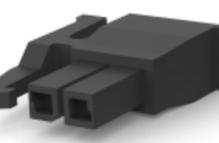


EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does 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

 <p>TE Part # 1-2029030-2 2P MICRO MNL HDR ASY SR SIDE L</p>	 <p>TE Part # 2008571-2 2 POS MICRO MNL, TOP LATCH, BL</p>	 <p>TE Part # 2029047-2 2P MICRO MNL RCPT HSG SR SIDE</p>	 <p>TE Part # 1445022-2 MICRO MNL RECEPT HSG SINGLE R</p>
 <p>TE Part # 2029102-2 2P MICRO MNL RCPT SR SIDE WHT</p>	 <p>TE Part # 1-2008570-2 2 POS MICRO MNL, SIDE LATCH, N</p>	 <p>TE Part # 2315752-2 2P, MICRO MNL RCPT HSG SINGLE ROW, V0 GW</p>	 <p>TE Part # 2008570-2 2 POS MICRO MNL, SIDE LATCH, B</p>



TE Part # 1-2008571-2  
2 POS MICRO MNL, TOP LATCH, NA

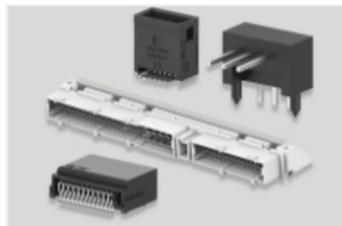
### Also in the Series | Micro MATE-N-LOK



Connector Contacts(27)



Insertion & Extraction Tools(1)



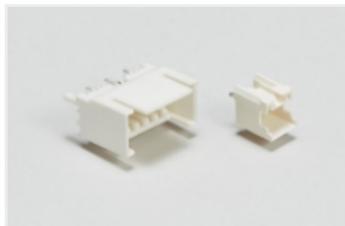
PCB Headers & Receptacles(371)



Power Contacts(27)



Rectangular Power Connectors(98)



Wire-to-Board Headers & Receptacles (371)

### Customers Also Bought



TE Part #2154828-1  
Cable Assembly EPII 2 Pos



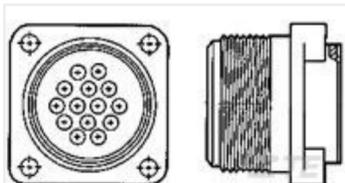
TE Part #1445022-2  
MICRO MNL RECEPT HSG SINGLE R



TE Part #1932768-1  
SUPER LOW PROFILE 1.95SIM WITH FLANGE



TE Part #2-1445057-5  
MICRO MNL HDR ASSY SINGLE ROW FLANGE



TE Part #213570-1  
CPC RECEPT 20-14 SPECIAL



TE Part #8-1437657-8  
8PCV-05-006=#8 TRIBARRIER



TE Part #1-66473-7  
SKT,.062 DIA,.045 SQ POST,LP



TE Part #1-66473-8  
SKT,.062 DIA,.045 SQ POST,LP



## Documents

### Product Drawings

[MICRO MNL HDR ASSY SINGLE ROW](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1445057-2\\_D.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1445057-2\\_D.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1445057-2\\_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

### Product Specifications

[Application Specification](#)

English

### Agency Approvals

[UL Report](#)

English