

4-794638-2 ✓ ACTIVE

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

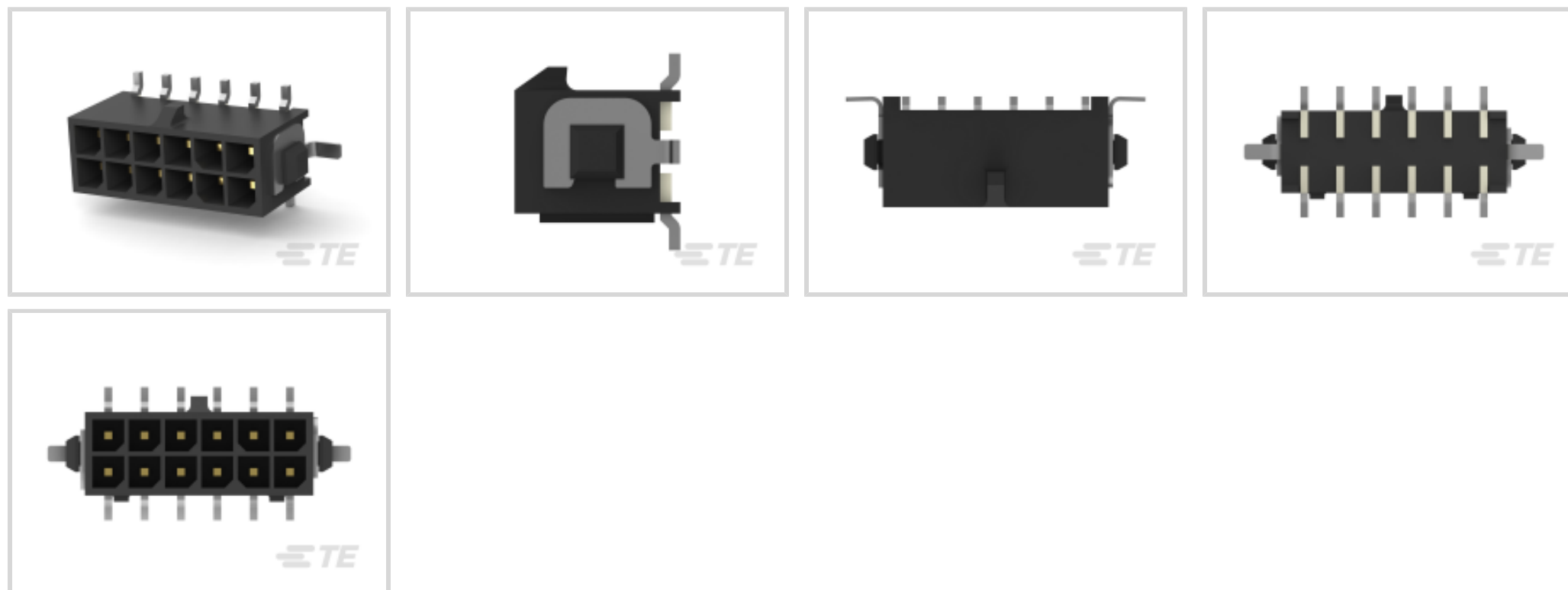
TE Internal #: 4-794638-2

Micro MATE-N-LOK, Rectangular Power Connectors, Header, Plug, Wire-to-Board, 12 Position, 3mm [.118in] Centerline, Printed Circuit Board, UL 94V-0

[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: **12**

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

## Features

### Product Type Features

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	12
PCB Mount Orientation	Vertical
Number of Power Positions	12
Number of Rows	2

### Electrical Characteristics

Operating Voltage	250 VDC
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### Contact Features

Contact Termination Area Plating Finish	Matte
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Multiple Contact Types	Without
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	Gold
Contact Mating Area Plating Material Thickness	.76 $\mu\text{m}$ [30 $\mu\text{in}$ ]
Contact Termination Area Plating Thickness	3.81 $\mu\text{m}$ [150 $\mu\text{in}$ ]

### Termination Features

Termination Post & Tail Length	3.43 mm[.135 in]
Termination Method to Printed Circuit Board	Surface Mount

### Mechanical Attachment

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

### Housing Features

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

### Dimensions

Wire Size	.051 – .517 mm <sup>2</sup>
Row-to-Row Spacing	3 mm[.118 in]
Width	6.86 mm
PCB Thickness (Recommended)	1.6 mm[.063 in]
Height	9.24 mm



Length	25.04 mm
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### Usage Conditions

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

Circuit Application	Power
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### Industry Standards

CSA Rating	Certified
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UL Flammability Rating	UL 94V-0
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Glow Wire Rating	Standard Part - Not Glow Wire
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Agency/Standard Number	E28476
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Agency/Standard	CSA, UL
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UL Rating	Recognized
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CSA File Number	LR7189
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VDE Tested	Yes
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### Packaging Features

Packaging Method	Box & Tray, Tray
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Packaging Quantity	175
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### Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Reflow solder capable to 260°C
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#### 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 # 1-794617-2  
12POS,MICRO MNL,RCPT HSG


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




Connector Contacts(1)



Insertion & Extraction Tools(1)



Power Contacts(26)



Rectangular Power Connectors(712)

## Customers Also Bought



TE Part #1-487769-1  
2.54mm FFC Connectors Receptacle Housing



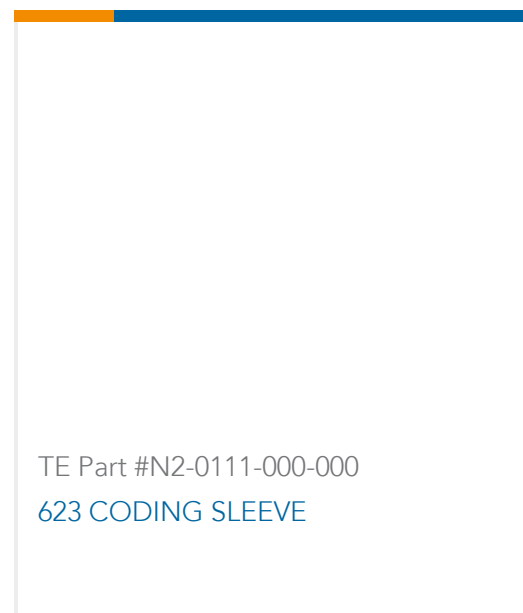
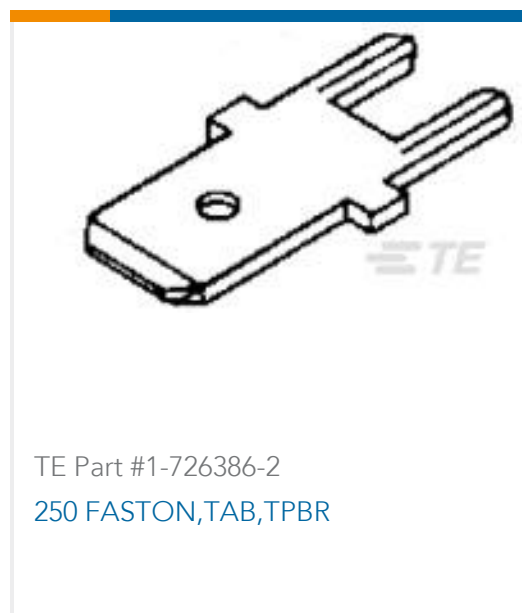
TE Part #2-1445096-6  
MICRO MNL HDR ASSY SINGLE ROW



TE Part #1-2176327-0  
CRGP 0805 56R 1%



TE Part #1617125-1  
JMAW-12XL = M39016/9-016L



## Documents

### Product Drawings

[12P MICRO MNL ASSY,VRT,SMT,LF](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_4-794638-2\\_L.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_4-794638-2\\_L.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_4-794638-2\\_L.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

[1773458-4\\_MICRO\\_MATE\\_N\\_LOK\\_CONNECTOR\\_SYSTEM\\_ORG](#)

English

### Product Specifications

[Application Specification](#)

English



### Product Environmental Compliance

[MD\\_4-794638-2\\_051220141122\\_dmtec](#)

English

[MD\\_4-794638-2\\_051220141122\\_dmtec](#)

English

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### Agency Approvals

[VDE Certificate](#)

English

[VDE Certificate](#)

English