

1586842-8 ✓ ACTIVE

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

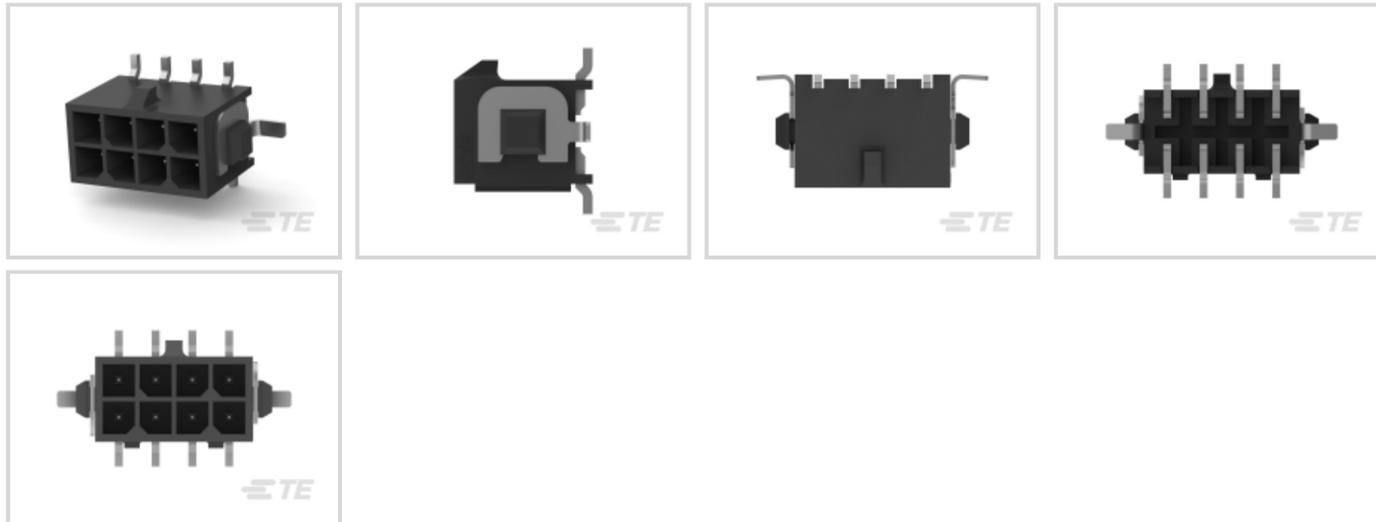
TE Internal #: 1586842-8

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 8
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: **8**

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	8
PCB Mount Orientation	Vertical
Number of Power Positions	8
Number of Signal Positions	0
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VDC
-------------------	---------



Contact Features

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	Tin
Contact Mating Area Plating Material Thickness	2.54 μ m[100 μ in]
Contact Termination Area Plating Thickness	2.54 μ m[100 μ in]
Contact Size	.64

Termination Features

Termination Method to Printed Circuit Board	Surface Mount
---	---------------

Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Polarization
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	With
PCB Mount Retention Type	Hold-Down Post
Connector Mounting Type	Board Mount
Mating Retention	With
Mating Retention Type	Latch, Locking Latch

Housing Features

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

Dimensions

Row-to-Row Spacing	3 mm[.118 in]
PCB Thickness (Recommended)	.06 mm[1.57 in]
Width	6.86 mm[.27 in]
Height	9.24 mm[.363 in]
Length	12.86 mm[.506 in]



Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
Shielded	No

Operation/Application

Assembly Integration Feature	Without
Circuit Application	Power

Identification Marking

Circuit Identification Feature	Without
--------------------------------	---------

Industry Standards

Glow Wire Material Rating	Material with GWFI 850°C, Material with GWIT ≥ 775°C
UL Flammability Rating	UL 94V-0
Glow Wire Rating	GWT 750°C (Without Flame)
Agency/Standard Number	E28476
Agency/Standard	CNR, USR
UL Rating	Recognized
VDE Tested	No

Packaging Features

Packaging Method	Tray
Packaging Quantity	175

Other

For Use With	Receptacle Housing
--------------	--------------------

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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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 # 1586842-4
4P MICRO MNL ASY,VRT,REV REEL



TE Part # 2029076-2
2P MICRO MNL 1R RA HDR ASY NAT



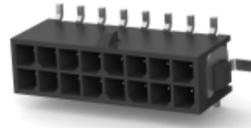
TE Part # 1586842-6
6P MICRO MNL ASY,VRT,REV REEL



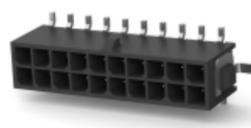
TE Part # 1586842-2
2P MICRO MNL ASY,VRT,REV REEL



TE Part # 3-794624-8
08P MICRO MNL ASSY,R/A,SMT LF



TE Part # 1-1586842-6
16P MICRO MNL ASY,VRT,REV REEL



TE Part # 2-1586842-0
20P MICRO MNL ASY,VRT,REV REEL



TE Part # 1-2029037-0
MICRO MNL HDR ASY SR AU LF SPC



TE Part # 2029037-4
MICRO MNL HDR ASY SR AU LF SPC



TE Part # 2029076-4
4P MICRO MNL 1R RA HDR ASY NAT



TE Part # 2029304-1
12P MICRO MNL ASSY,VRT,HDR ON

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



Insertion & Extraction Tools(1)



Power Contacts(26)



Rectangular Power Connectors(712)

Documents

Product Drawings

[8P MICRO MNL ASY,VRT,REV REEL](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1586842-8_D.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1586842-8_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1586842-8_D.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[MICRO MATE-N-LOK CONNECTOR SYSTEM](#)

English

Product Specifications

[Application Specification](#)

English