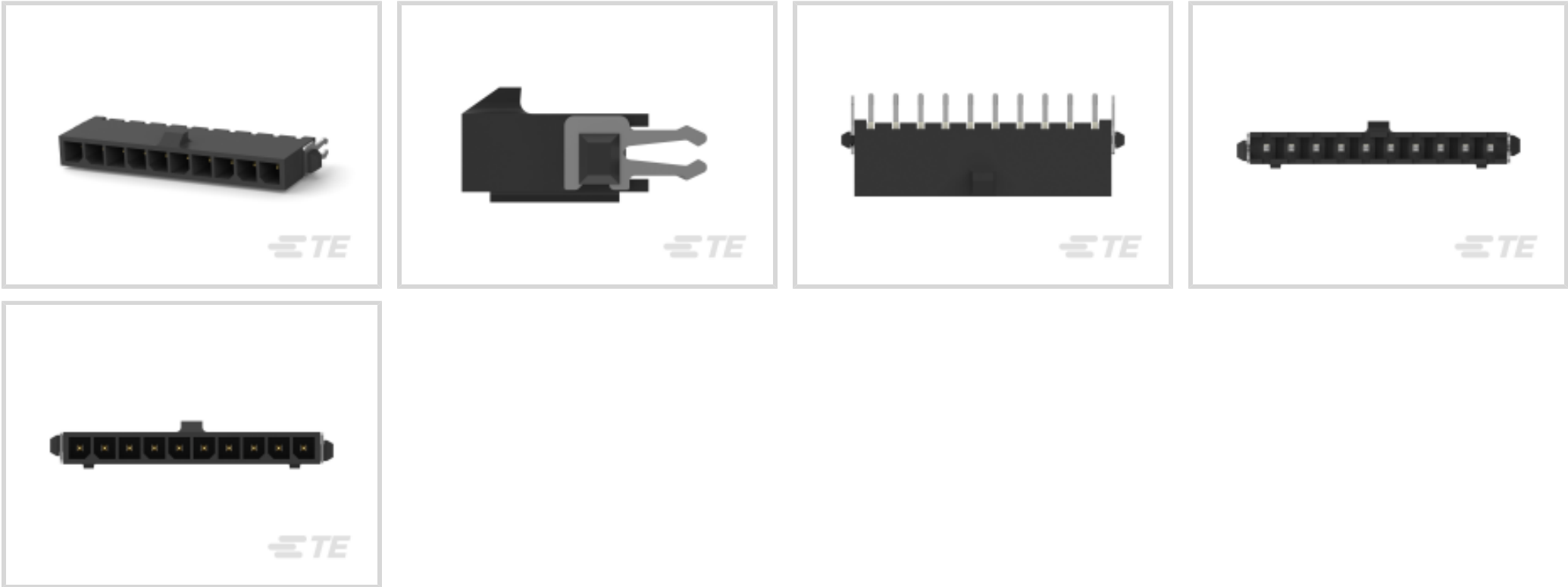




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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

Number of Positions: **10**

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	10
PCB Mount Orientation	Vertical
Number of Power Positions	10
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC
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Contact Features



Multiple Contact Types	Without
Contact Layout	Inline
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	30 µm[.76 µin]
Contact Size	.64
Contact Termination Area Plating Thickness	2.54 µm[100 µin]

Termination Features

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

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	Nylon

Dimensions

PCB Thickness (Recommended)	.06 mm[1.57 in]
Width	3.86 mm[.151 in]
Height	9.24 mm[.363 in]
Length	34.14 mm[1.34 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
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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	98

Other

For Use With	Receptacle Housing
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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 2022 (224) Candidate List Declared Against: JAN 2022 (223) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per



homogenous material. Also BFR/CFR/PVC Free

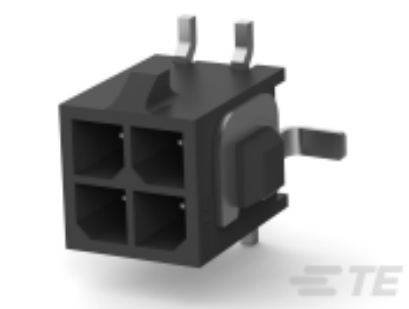
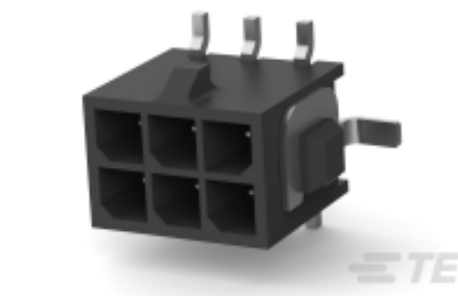
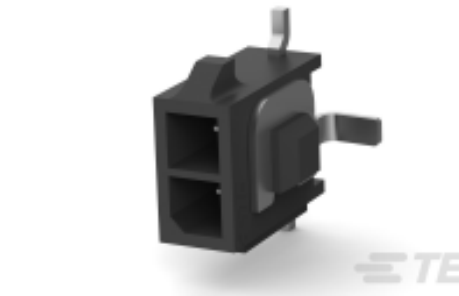
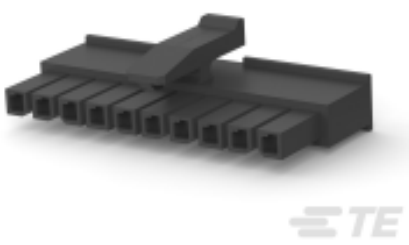
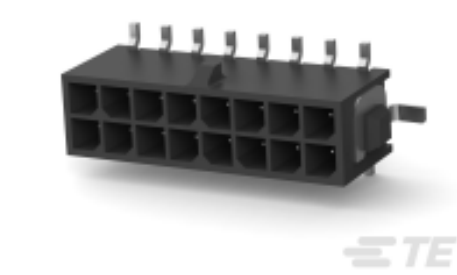
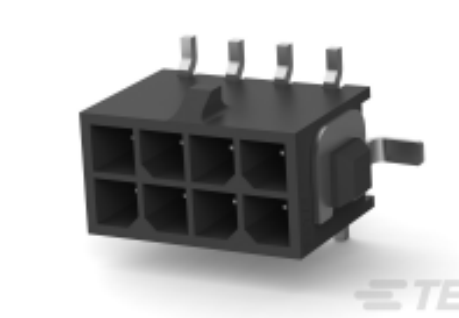
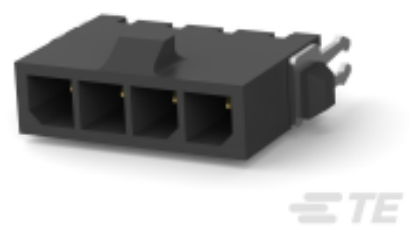
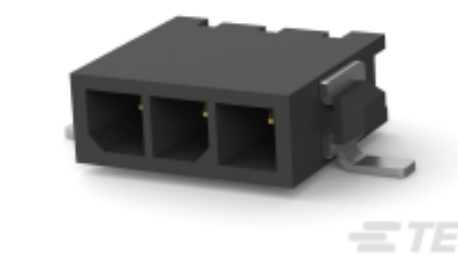
Solder Process Capability

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>

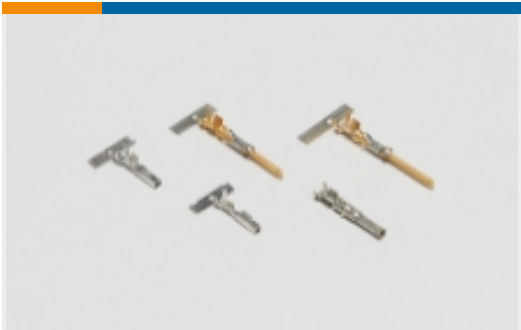
Compatible Parts

 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 # 1-1445022-0 MICRO MNL RFCEPT HSG SINGLE R	 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 # 1586842-8 8P MICRO MNL ASY,VRT,REV REEL
 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 # 2029266-3 3P MICRO MNL HDR SR 30AU LP BL	

Also in the Series | Micro MATE-N-LOK



Insertion & Extraction Tools(1)



Power Contacts(26)



Rectangular Power Connectors(712)

Documents

Product Drawings

MICRO MNL HDR ASY SR AU LF SPC

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2029037-0_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2029037-0_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2029037-0_A.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