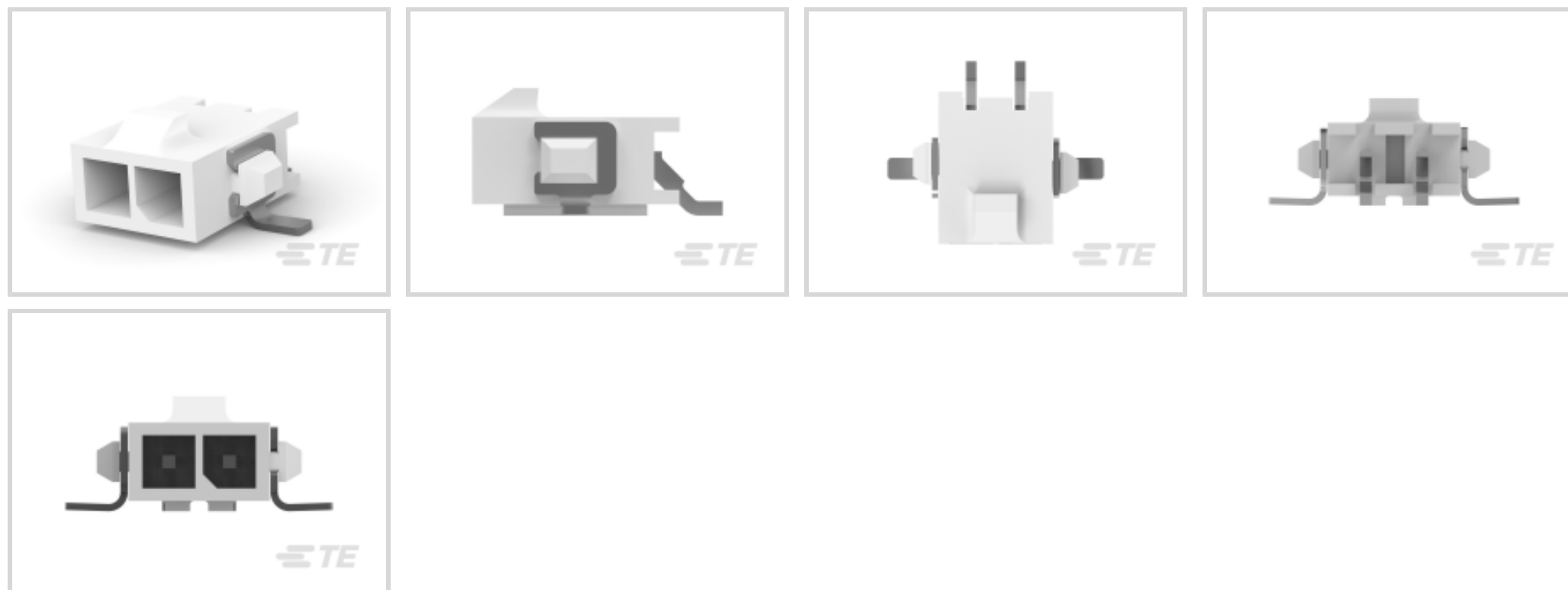




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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

Number of Positions: **2**

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	2
PCB Mount Orientation	Vertical
Number of Power Positions	2
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	Tin
Contact Mating Area Plating Material Thickness	100 µm[2.54 µin]
Contact Size	.64
Contact Termination Area Plating Thickness	2.54 µm[100 µin]

Termination Features

Termination Method to Printed Circuit Board	Surface Mount
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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	Natural
Housing Material	Nylon

Dimensions

PCB Thickness (Recommended)	.06 mm[1.57 in]
Width	8.11 mm[.319 in]
Height	3.86 mm[.149 in]
Length	10 mm[.393 in]

Usage Conditions



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

Assembly Integration Feature	Without
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Circuit Application	Power
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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
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UL Flammability Rating	UL 94V-0
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Glow Wire Rating	GWT 750°C (Without Flame)
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Agency/Standard Number	E28476
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Agency/Standard	CNR, USR
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UL Rating	Recognized
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VDE Tested	No
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Packaging Features

Packaging Method	Box & Tray, Tray
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Packaging Quantity	215
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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
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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: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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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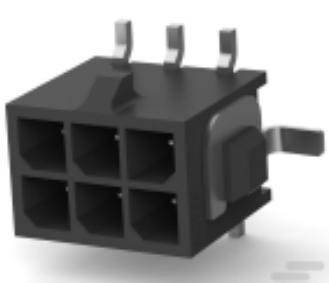




Solder Process Capability

Reflow solder capable to 260°C

Product Compliance Disclaimer

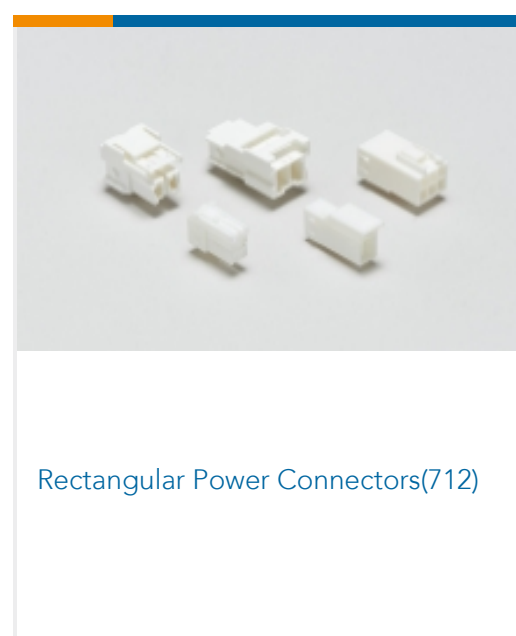
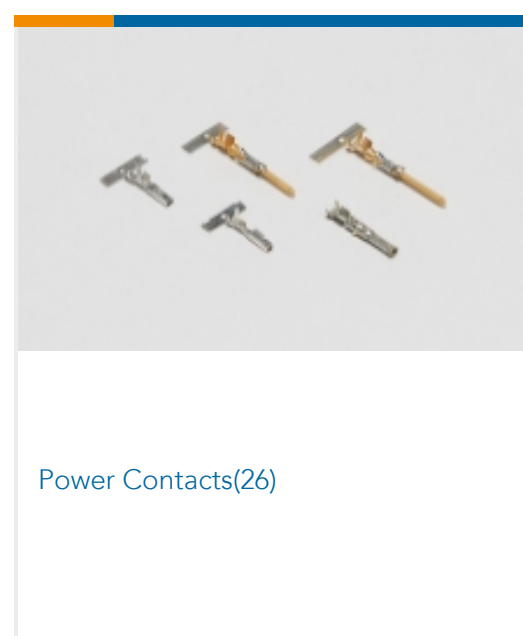
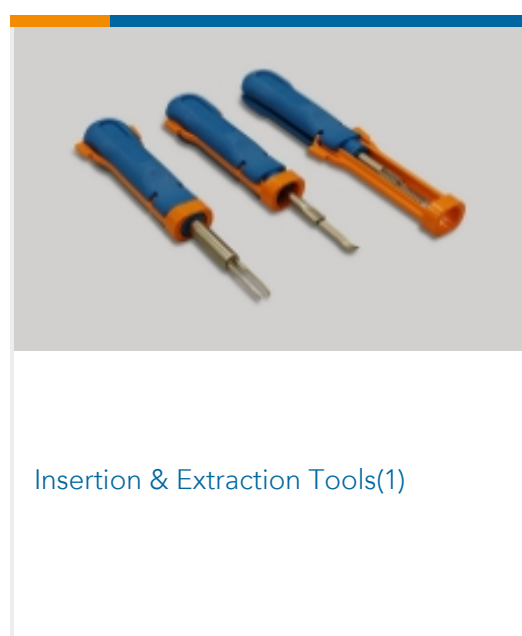
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 2008571-2 2 POS MICRO MNL, TOP LATCH, BL</p>	 <p>TE Part # 1586842-4 4P MICRO MNL ASY,VRT,REV REEL</p>	 <p>TE Part # 1586842-6 6P MICRO MNL ASY,VRT,REV REEL</p>	 <p>TE Part # 1586842-2 2P MICRO MNL ASY,VRT,REV REEL</p>
 <p>TE Part # 2029047-2 2P MICRO MNL RCPT HSG SR SIDE</p>	 <p>TE Part # 2029102-2 2P MICRO MNL RCPT SR SIDE WHT</p>	 <p>TE Part # 2008570-2 2 POS MICRO MNL, SIDE LATCH, B</p>	 <p>TE Part # 1-1586842-6 16P MICRO MNL ASY,VRT,REV REEL</p>
 <p>TE Part # 2-1586842-0 20P MICRO MNL ASY,VRT,REV REEL</p>	 <p>TE Part # 1586842-8 8P MICRO MNL ASY,VRT,REV REEL</p>	 <p>TE Part # 1-2008570-2 2 POS MICRO MNL, SIDE LATCH, N</p>	 <p>TE Part # 1-2008571-2 2 POS MICRO MNL, TOP LATCH, NA</p>



Also in the Series | Micro MATE-N-LOK



Documents

Product Drawings

2P MICRO MNL 1R RA HDR ASY NAT

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2029076-2_B_c-2029076-2-b.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2029076-2_B_c-2029076-2-b.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2029076-2_B_c-2029076-2-b.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