

4-1445050-0 ✓ ACTIVE

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

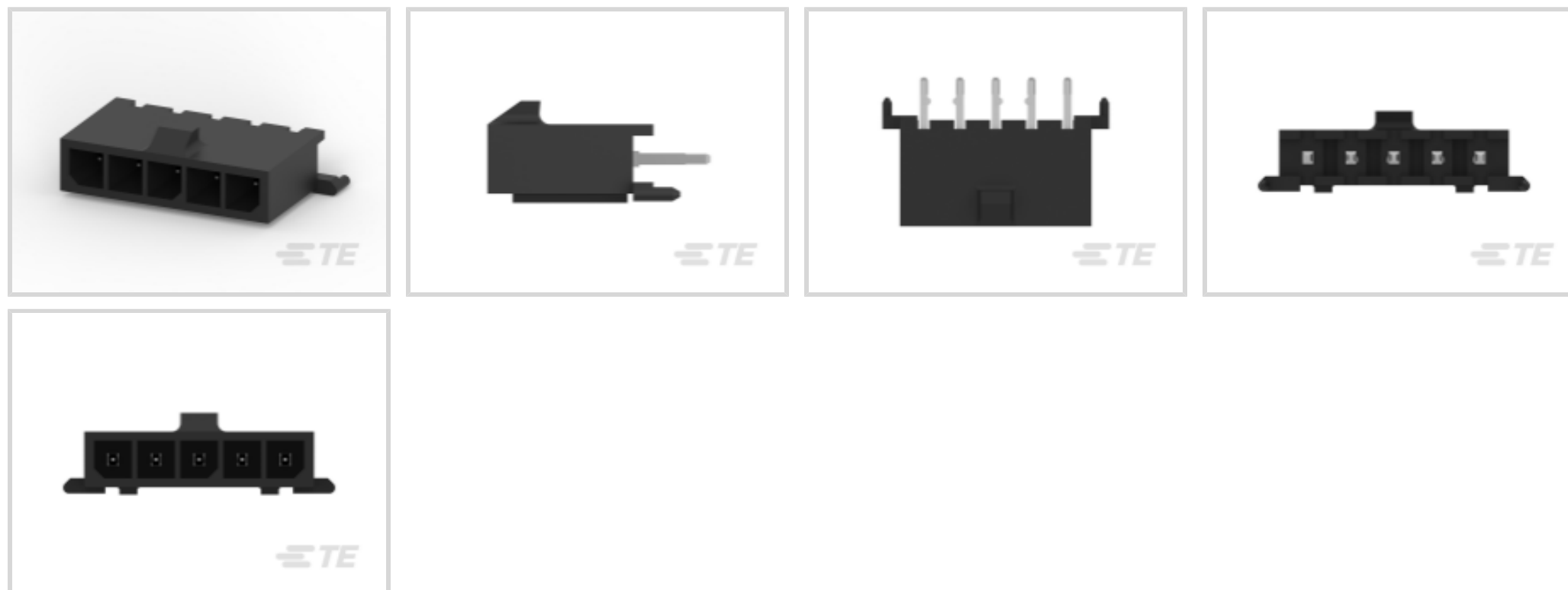
TE Internal #: 4-1445050-0

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 10 Position, 3 mm [.118 in] Centerline, Printed Circuit Board, UL 94V-0, Micro MATE-N-LOK

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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



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]

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

Connector Mounting Type	Board Mount
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Housing Features

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

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

Glow Wire Material Rating	Material with GWFI 850°C, Material with GWIT \geq 775°C
UL Flammability Rating	UL 94V-0
Glow Wire Rating	GWT 750°C (Without Flame)
VDE Tested	No
Agency/Standard	CSA

Packaging Features

Packaging Method	Box & Tray
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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: 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	Not reviewed for solder process capability

Product Compliance Disclaimer

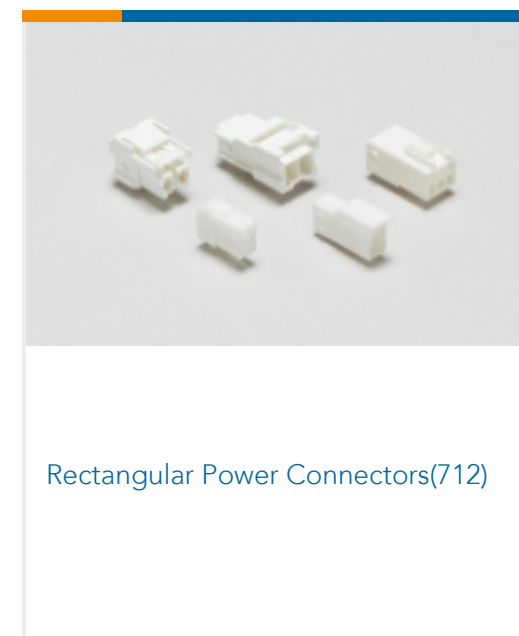
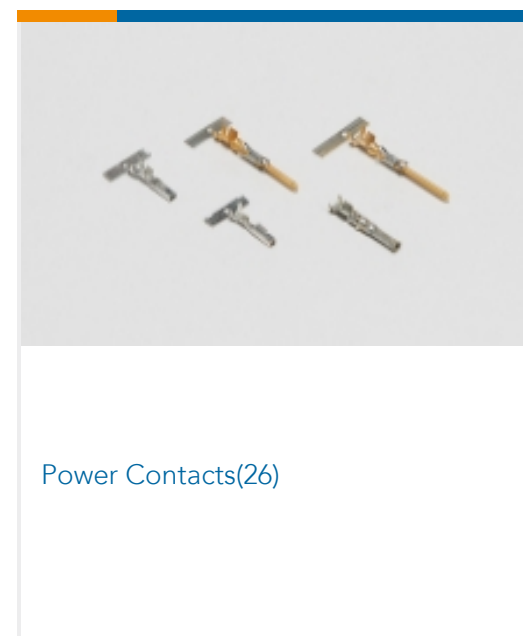
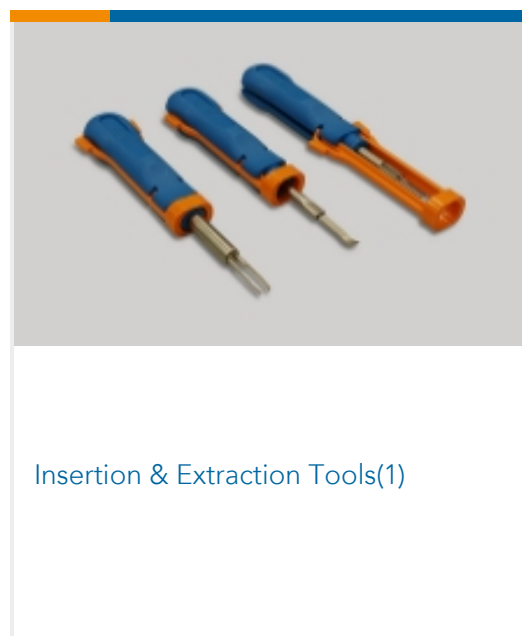
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 2-1445055-6 MICRO MNL HDR ASSY S/ROW LF</p>	 <p>TE Part # 2-1445055-7 MICRO MNL HDR ASSY S/ROW LF</p>	 <p>TE Part # 2-1445051-2 MICRO MNL HDR ASSY S/ROW LF</p>	 <p>TE Part # 2-1445051-9 MICRO MNL HDR ASSY S/ROW LF</p>
 <p>TE Part # 2-1445051-4 MICRO MNL HDR ASSY S/ROW LF</p>	 <p>TE Part # 3-1445051-0 MICRO MNL HDR ASSY S/ROW LF</p>	 <p>TE Part # 3-1445051-1 MICRO MNL HDR ASSY S/ROW LF</p>	 <p>TE Part # 3-1445051-2 MICRO MNL HDR ASSY S/ROW LF</p>



Also in the Series | Micro MATE-N-LOK



Documents

Product Drawings

[MICRO MNL HDR ASSY S/ROW LF](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_4-1445050-0_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-1445050-0_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-1445050-0_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

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Product Environmental Compliance

TE Material Declaration

English