2-1445096-8 ACTIVE

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

TE Internal #: 2-1445096-8

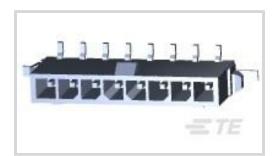
Rectangular Power Connectors, Header, Plug, Wire-to-Board, 8 Position, 3 mm [.118 in] Centerline, Printed Circuit Board, UL 94V-0,

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 Rows	1

Electrical Characteristics

Operating Voltage	250 VDC	

Contact Features

Multiple Contact Types	Without
Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	5 A
Contact Retention Within Housing	Without



	D.
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
Termination Features	
Termination Post & Tail Length	1.53 mm[.06 in]
Termination Method to Printed Circuit Board	Surface Mount
Mechanical Attachment	
Strain Relief	Without
Mating Alignment Type	Polarization
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Hold-Down Post
Mating Retention Type	Locking Tab
Connector Mounting Type	Board Mount
Housing Features	
Centerline (Pitch)	3 mm[.118 in]
Housing Color	Black
Housing Material	High Temperature Nylon
Dimensions	
Connector Height	3.86 mm
PCB Thickness (Recommended)	1.57 mm[.062 in]
Product Width	9.24 mm
Product Length	28 mm
Usage Conditions	
Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
Operation/Application	
Circuit Application	Power
Industry Standards	
CSA Rating	Certified, LR 7189



Glow Wire Material Rating	Material with GWFI 850°C, Material with GWIT ≥ 775°C
UL Rating	Recognized
Agency/Standard	CNR, USR
Approved Standards	UL E28476
UL Flammability Rating	UL 94V-0
Glow Wire Rating	GWT 750°C (Without Flame)
Packaging Features	
Packaging Quantity	210
Packaging Method	Tape
Other	
Power Connectors Comment	Vacuum pick-up button.

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

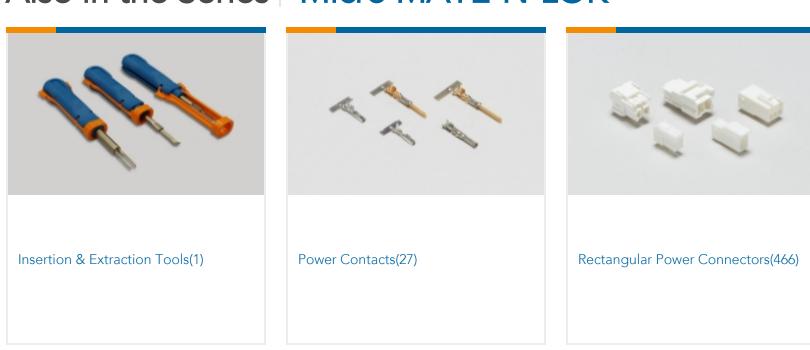
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



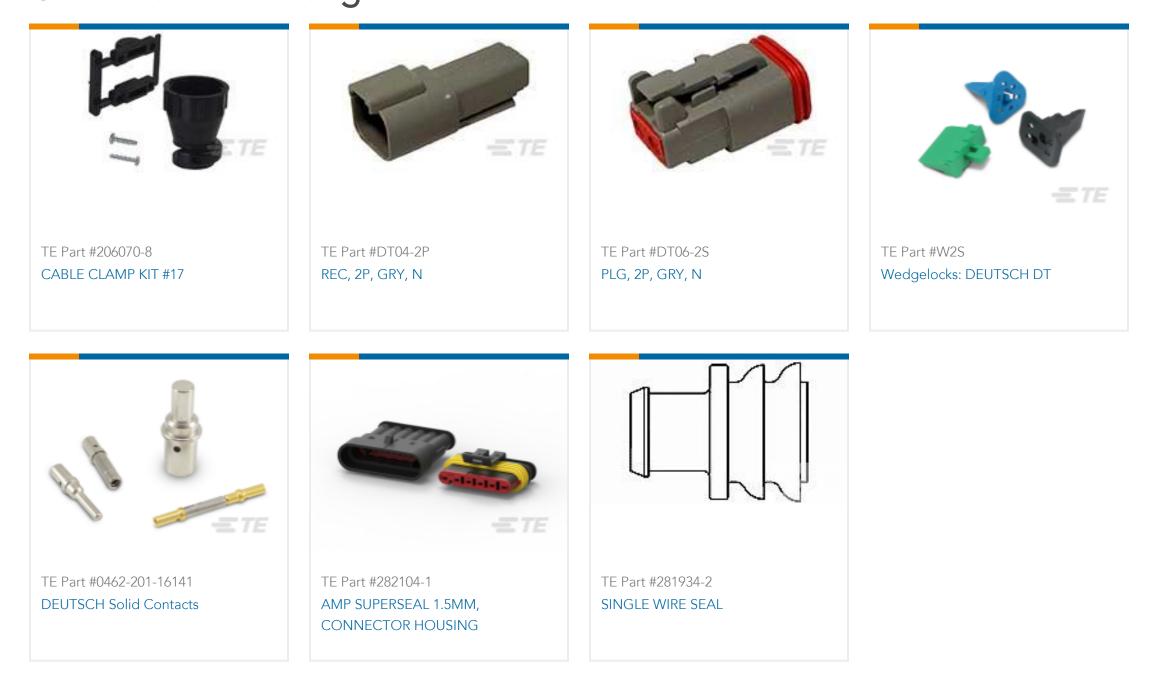
Compatible Parts



Also in the Series | Micro MATE-N-LOK



Customers Also Bought



Documents

Product Drawings
MICRO MNL HDR ASSY SINGLE ROW

English

CAD Files



Customer View Model

ENG_CVM_CVM_2-1445096-8_E.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-1445096-8_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1445096-8_E.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

MICRO MATE-N-LOK CONNECTOR SYSTEM

English

Product Specifications

Application Specification

English