2-1445098-4 ACTIVE

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

TE Internal #: 2-1445098-4

Micro MATE-N-LOK, Rectangular Power Connectors, Header, Plug, Wire-to-Board, 4 Position, 3mm [.118in] Centerline, Printed Circuit

Board, UL 94V-0

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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: 4

Centerline (Pitch): 3 mm [.118 in]

Features

Product Type Features

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	4
PCB Mount Orientation	Right Angle
Number of Power Positions	4
Number of Rows	1
Electrical Characteristics	
Operating Voltage	250 VDC
Contact Features	

Inline

Contact Layout



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	Gold
Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
Contact Termination Area Plating Thickness	2.54 μm[100 μin]
Termination Features	
Termination Post & Tail Length	3.05 mm[.12 in]
Termination Method to Printed Circuit Board	Through Hole - Solder
Mechanical Attachment	
Mating Alignment Type	Polarization
Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Connector Mounting Type	Board Mount
Mating Retention	With
Mating Retention Type	Locking Tab
Housing Features	
Centerline (Pitch)	3 mm[.118 in]
Housing Color	Black
Housing Material	High Temperature Nylon
Boardlock Material	High Temperature Nylon
Dimensions	
Insulation Diameter (Max)	1.52 mm[1.52 in]
PCB Thickness (Recommended)	.06 mm[1.57 in]
Usage Conditions	
Operating Temperature Range	-40 - 105 °C[-40 - 221 °F]

Operation/Application



Circuit Application	Power
Industry Standards	
CSA Rating	Certified
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire
Agency/Standard Number	E28476
Agency/Standard	CSA, UL
UL Rating	Recognized
CSA File Number	LR7189
VDE Tested	Yes
Packaging Features	
Packaging Method	Box & Tray, Tray
Packaging Quantity	210
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: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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





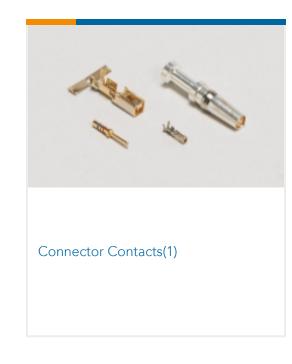


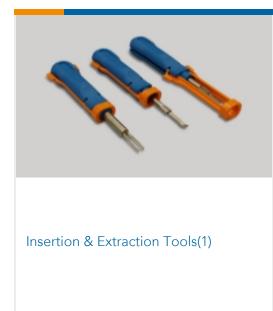


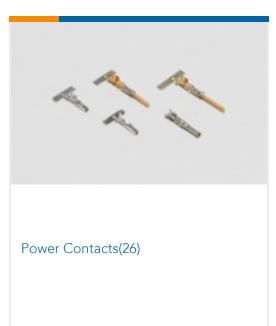




Also in the Series | Micro MATE-N-LOK









Customers Also Bought























Documents

Product Drawings

MICRO MNL HDR ASSY S/ROW AU LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-1445098-4_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-1445098-4_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1445098-4_B.3d_stp.zip

English

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Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

1773458-4_MICRO_MATE_N_LOK_CONNECTOR_SYSTEM_QRG

English

Product Specifications

Application Specification

English

Micro MATE-N-LOK, Rectangular Power Connectors, Header, Plug, Wire-to-Board, 4 Position, 3mm [.118in] Centerline, Printed Circuit Board, UL 94V-0



Product Environmental Compliance

MD_2-1445098-4_08222017850_dmtec

English

MD_2-1445098-4_08222017850_dmtec

English

Agency Approvals

UL

English