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

TE Internal #: 3-794627-6

PCB Mount Header, Right Angle, Wire-to-Board, 6 Position, 3 mm [.

118 in] Centerline, Fully Shrouded, Tin, Surface Mount, Power,

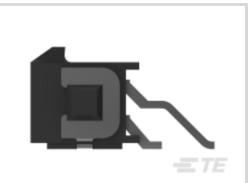
Micro MATE-N-LOK

View on TE.com >



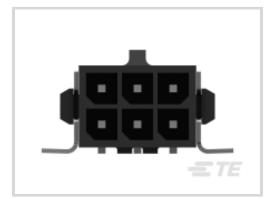
Connectors > PCB Connectors > PCB Headers & Receptacles











PCB Connector Assembly Type: PCB Mount Header

Connector System: Wire-to-Board

Number of Positions: 6
Number of Rows: 2

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

Features

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Configuration Features	
Configuration Features Number of Power Positions	6
	6
Number of Power Positions	
Number of Power Positions Number of Columns	3
Number of Power Positions Number of Columns Number of Loaded Positions	3



PCB Mount Orientation	Right Angle
Electrical Characteristics	
Operating Voltage	250 VAC
Body Features	
PCB Retention Feature Material	Phosphor Bronze
PCB Retention Feature Plating Material	Tin
Primary Product Color	Black
Contact Features	
Contact Mating Area Length	4.15 mm[.163 in]
Contact Size	.64mm
Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	2.54 – 7.62 μm[100 – 300 μin]
Contact Layout	Matrix
Contact Underplating Material Thickness	1.27 – 2.54 μm[50 – 100 μin]
Contact Mating Area Plating Material Thickness	2.54 – 7.62 μm[100 – 300 μin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Square
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Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Finish Contact Underplating Material	Matte Nickel
Contact Mating Area Plating Material Finish Contact Underplating Material PCB Contact Termination Area Plating Material	Matte Nickel Tin
Contact Mating Area Plating Material Finish Contact Underplating Material PCB Contact Termination Area Plating Material Contact Base Material	Matte Nickel Tin Brass
Contact Mating Area Plating Material Finish Contact Underplating Material PCB Contact Termination Area Plating Material Contact Base Material Contact Mating Area Plating Material	Matte Nickel Tin Brass Tin
Contact Mating Area Plating Material Finish Contact Underplating Material PCB Contact Termination Area Plating Material Contact Base Material Contact Mating Area Plating Material Contact Type	Matte Nickel Tin Brass Tin Tab
Contact Mating Area Plating Material Finish Contact Underplating Material PCB Contact Termination Area Plating Material Contact Base Material Contact Mating Area Plating Material Contact Type Contact Current Rating (Max)	Matte Nickel Tin Brass Tin Tab
Contact Mating Area Plating Material Finish Contact Underplating Material PCB Contact Termination Area Plating Material Contact Base Material Contact Mating Area Plating Material Contact Type Contact Current Rating (Max) Termination Features	Matte Nickel Tin Brass Tin Tab 5 A
Contact Mating Area Plating Material Finish Contact Underplating Material PCB Contact Termination Area Plating Material Contact Base Material Contact Mating Area Plating Material Contact Type Contact Current Rating (Max) Termination Features Square Termination Post & Tail Dimension	Matte Nickel Tin Brass Tin Tab 5 A .64 mm[.025 in]
Contact Mating Area Plating Material Finish Contact Underplating Material PCB Contact Termination Area Plating Material Contact Base Material Contact Mating Area Plating Material Contact Type Contact Current Rating (Max) Termination Features Square Termination Post & Tail Dimension Termination Method to PCB	Matte Nickel Tin Brass Tin Tab 5 A .64 mm[.025 in]
Contact Mating Area Plating Material Finish Contact Underplating Material PCB Contact Termination Area Plating Material Contact Base Material Contact Mating Area Plating Material Contact Type Contact Current Rating (Max) Termination Features Square Termination Post & Tail Dimension Termination Method to PCB Mechanical Attachment	Matte Nickel Tin Brass Tin Tab 5 A .64 mm[.025 in] Surface Mount
Contact Mating Area Plating Material Finish Contact Underplating Material PCB Contact Termination Area Plating Material Contact Base Material Contact Mating Area Plating Material Contact Type Contact Current Rating (Max) Termination Features Square Termination Post & Tail Dimension Termination Method to PCB Mechanical Attachment Mating Alignment Type	Matte Nickel Tin Brass Tin Tab 5 A .64 mm[.025 in] Surface Mount
Contact Mating Area Plating Material Finish Contact Underplating Material PCB Contact Termination Area Plating Material Contact Base Material Contact Mating Area Plating Material Contact Type Contact Current Rating (Max) Termination Features Square Termination Post & Tail Dimension Termination Method to PCB Mechanical Attachment Mating Alignment Type Mating Retention	Matte Nickel Tin Brass Tin Tab 5 A .64 mm[.025 in] Surface Mount Polarization With



Mating Retention Type	Locking Tab
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	With
Housing Features	
Mating Entry Location	Side
Housing Material	High Temperature Nylon
Centerline (Pitch)	3 mm[.118 in]
Dimensions	
Connector Length	13 mm[.512 in]
Connector Height	7.37 mm[.29 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Row-to-Row Spacing	3 mm[.118 in]
Usage Conditions	
Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-40 - 105 °C[-40 - 221 °F]
Operation/Application	
Circuit Application	Power
Industry Standards	
UL Rating	Recognized
Glow Wire Rating	GWT 750°C (Without Flame)
Compatible With Agency/Standards Products	CNR, USR
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Quantity	150
Packaging Method	Tape

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
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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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



Connector Contacts(27)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(371)



Rectangular Power Connectors(98)



Customers Also Bought























Documents

Product Drawings

06P MICRO MNL ASSY,RA,SMT, LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-794627-6_K.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-794627-6_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-794627-6_K.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

Agency Approvals

VDE Certificate

English