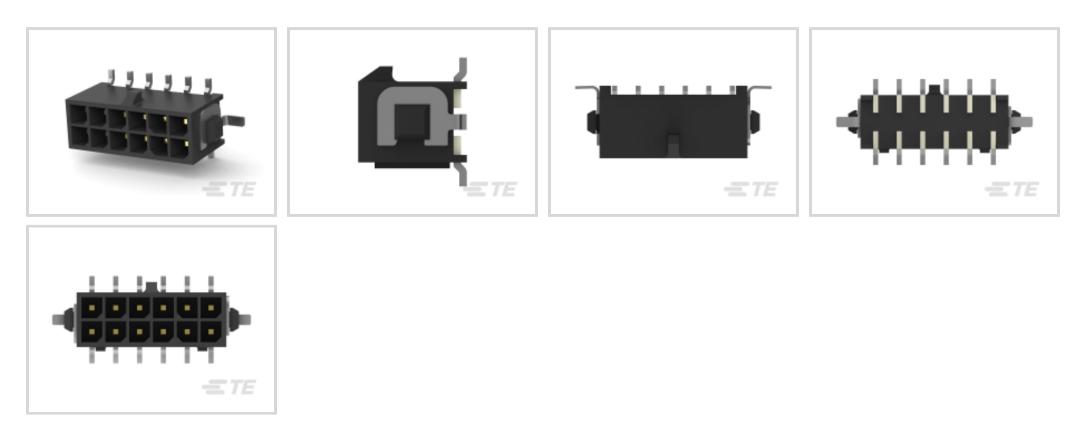
4-794638-2 - ACTIVE

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

TE Internal #: 4-794638-2 Micro MATE-N-LOK, Rectangular Power Connectors, Header, Plug, Wire-to-Board, 12 Position, 3mm [.118in] Centerline, Printed Circuit Board, UL 94V-0

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: **12**

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	12
PCB Mount Orientation	Vertical
Number of Power Positions	12
Number of Rows	2
Electrical Characteristics	
Operating Voltage	250 VDC
Contact Features	
Contact Termination Area Plating Finish	Matte

C For support call+1 800 522 6752

Micro MATE-N-LOK, Rectangular Power Connectors, Header, Plug, Wire-to-Board, 12 Position, 3mm [.118in] Centerline, Printed Circuit Board, UL 94V-0



Termination Post & Tail Length 3.43 mml.135 inj Termination Method to Printed Circuit Board Surface Mount Wethout Surface Mount Strain Relief Without Mating Alignment Type Polarization PCB Mount Alignment Without PCB Mount Alignment Without PCB Mount Feature Without PCB Mount Retention Type Without PCB Mount Retention Type Board Mount Connector Mounting Type Board Mount Mating Retention Type Board Mount PC Mount Retention Type Board Mount Mating Retention Type Board Mount Housing Color Ming Material Housing Color Black Housing Color Black		
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PCB Mount AlignmentWithoutPCB Mount FeatureWithoutPCB Mount RetentionWithoutPCB Mount Retention TypeHold-Down PostConnector Mounting TypeBoard MountMating RetentionWithMating Retention TypeLocking TabMating Retention Type3 mm[.118 in]Housing ColorBlackHousing MaterialSimm[.118 in]Wire Size.051517 mm²Row-to-Row Spacing.51517 mm²Width.686 mmPCB Thickness (Recommended)1.6 mm[.063 in]	Mating Alignment Type	Polarization
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PCB Mount Retention TypeHald-Down PostConnector Mounting TypeBoard MountMating RetentionWithMating Retention TypeLocking TabOusing FeaturesSami[118 in]Centerline (Pitch)BlackHousing ColorBlackHousing MaterialVing TabVire Size	Panel Mount Feature	Without
Connector Mounting TypeBoard MountMating RetentionWithMating Retention TypeLocking TabHousing Features3 mm[.118 in]Centerline (Pitch)3 mm[.118 in]Housing ColorBlackHousing MaterialHigh Temperature NylonVire Size.051517 mm²Row-to-Row Spacing3 mm[.118 in]Width6.86 mmPCB Thickness (Recommended)1.6 mm[.063 in]	PCB Mount Retention	With
Mating RetentionWithMating Retention TypeLocking TabHousing Features3 mm[.118 in]Centerline (Pitch)3 mm[.118 in]Housing ColorBlackHousing MaterialHigh Temperature NylonDimensionsStart Start S	PCB Mount Retention Type	Hold-Down Post
Mating Retention TypeLocking TabHousing FeaturesSamp[.118 in]Centerline (Pitch)3 mm[.118 in]Housing ColorBlackHousing MaterialHigh Temperature NylonNemesionsSime[.1517 mm²Wire Size.051 – .517 mm²Row-to-Row Spacing3 mm[.118 in]Width6.86 mmPCB Thickness (Recommended)1.6 mm[.063 in]	Connector Mounting Type	Board Mount
Industing Features 3 mm[.118 in] Centerline (Pitch) 3 mm[.118 in] Housing Color Black Housing Material High Temperature Nylon Dimensions	Mating Retention	With
Centerline (Pitch)3 mm[.118 in]Housing ColorBlackHousing MaterialHigh Temperature NylonDimensions	Mating Retention Type	Locking Tab
Housing ColorBlackHousing MaterialHigh Temperature NylonImmensionsState of the state of the sta	Housing Features	
Housing MaterialHigh Temperature NylonDimensions	Centerline (Pitch)	3 mm[.118 in]
Dimensions Wire Size Row-to-Row Spacing Width 6.86 mm PCB Thickness (Recommended)	Housing Color	Black
Wire Size.051517 mm²Row-to-Row Spacing3 mm[.118 in]Width6.86 mmPCB Thickness (Recommended)1.6 mm[.063 in]	Housing Material	High Temperature Nylon
Row-to-Row Spacing3 mm[.118 in]Width6.86 mmPCB Thickness (Recommended)1.6 mm[.063 in]	Dimensions	
Width6.86 mmPCB Thickness (Recommended)1.6 mm[.063 in]	Wire Size	.051 – .517 mm²
PCB Thickness (Recommended) 1.6 mm[.063 in]	Row-to-Row Spacing	3 mm[.118 in]
	Width	6.86 mm
Height 9.24 mm	PCB Thickness (Recommended)	1.6 mm[.063 in]
	Height	9.24 mm

Micro MATE-N-LOK, Rectangular Power Connectors, Header, Plug, Wire-to-Board, 12 Position, 3mm [.118in] Centerline, Printed Circuit Board, UL 94V-0



Length	25.04 mm
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	175

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

Micro MATE-N-LOK, Rectangular Power Connectors, Header, Plug, Wire-to-Board, 12 Position, 3mm [.118in] Centerline, Printed Circuit Board, UL 94V-0



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



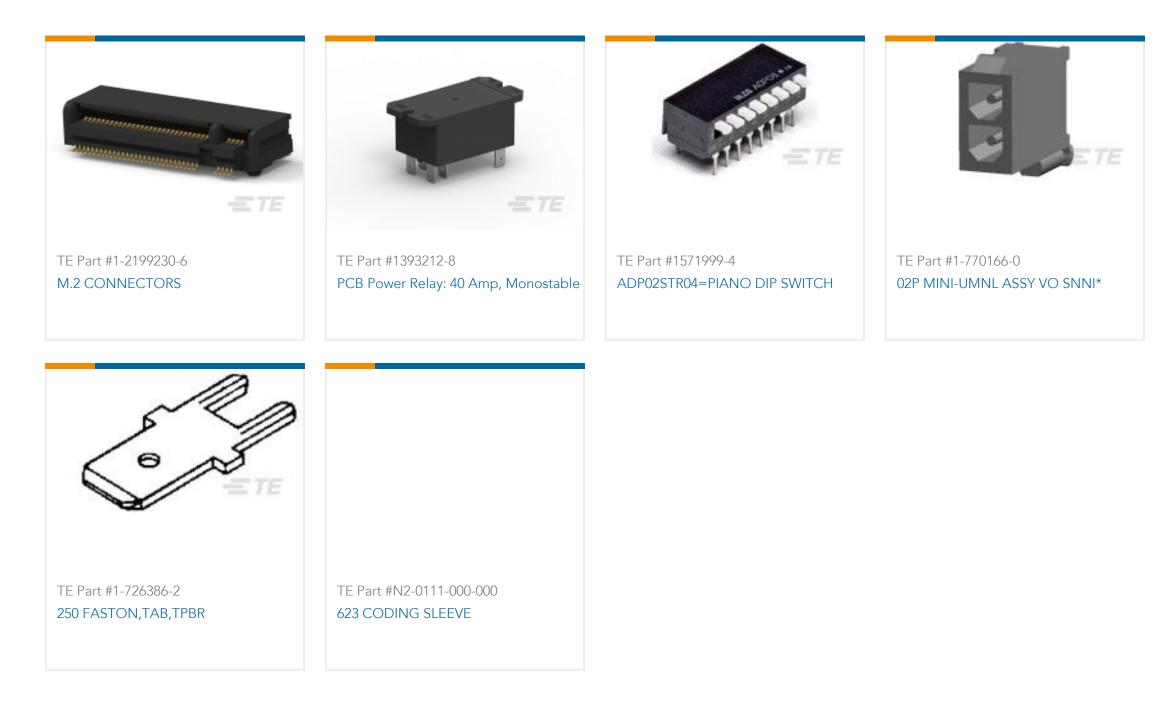
Connector Contacts(1)	Insertion & Extraction Tools(1)	Power Contacts(26)	Rectangular Power Connectors(712)

Customers Also Bought



Micro MATE-N-LOK, Rectangular Power Connectors, Header, Plug, Wire-to-Board, 12 Position, 3mm [.118in] Centerline, Printed Circuit Board, UL 94V-0





Documents

Product Drawings 12P MICRO MNL ASSY,VRT,SMT,LF

English

CAD Files 3D PDF

3D

Customer View Model ENG_CVM_CVM_4-794638-2_L.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-794638-2_L.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-794638-2_L.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, 12 Position, 3mm [.118in] Centerline, Printed Circuit Board, UL 94V-0



Product Environmental Compliance

MD_4-794638-2_051220141122_dmtec

English

MD_4-794638-2_051220141122_dmtec

English

Agency Approvals

VDE Certificate

English

VDE Certificate

English