

BACA-AMP-196

✓ ACTIVE

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

TE Internal #: 1445049-2

Micro MATE-N-LOK, Rectangular Power Connectors, Housing, Plug, Wire-to-Wire, 2 Position, 3mm [.118in] Centerline, Wire & Cable, UL 94V-0

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

Connector System: **Wire-to-Wire**

Number of Positions: **2**

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

Features

Product Type Features

Rectangular Power Connector Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	2
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC
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Contact Features

Contact Layout	Inline
Multiple Contact Types	Without
Contact Retention Within Housing	Without



Contact Type	Pin
Termination Features	
Termination Method to Wire & Cable	Crimp
Mechanical Attachment	
Strain Relief	Without
Mating Alignment Type	Polarization
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)
Mating Retention	With
Mating Retention Type	Locking Tab
Housing Features	
Centerline (Pitch)	3 mm[.118 in]
Housing Color	Black
Housing Material	Nylon 66/6
Dimensions	
Insulation Diameter (Max)	1.52 mm
Width	3.86 mm
Height	16.89 mm
Length	6.85 mm
Usage Conditions	
Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
Operation/Application	
Circuit Application	Power & Signal
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	Tray
Packaging Quantity	1000

Product Compliance

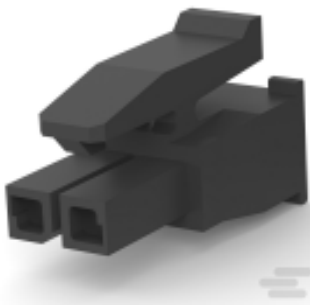
For compliance documentation, visit the product page on TE.com>

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	Not applicable 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



TE Part # 2008571-2
2 POS MICRO MNL, TOP LATCH, BL



TE Part # 2029047-2
2P MICRO MNL RCPT HSG SR SIDE



TE Part # 2029102-2
2P MICRO MNL RCPT SR SIDE WHT



TE Part # 2008570-2
2 POS MICRO MNL, SIDE LATCH, B



TE Part # 1445022-2
MICRO MNL RECEPT HSG SINGLE R



TE Part # 1-2008570-2
2 POS MICRO MNL, SIDE LATCH, N



TE Part # 1-2008571-2
2 POS MICRO MNL, TOP LATCH, NA



TE Part # 2315752-2
2P, MICRO MNL RCPT HSG SINGLE ROW, V0 GW

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



TE Part #91501-1
CCII MICRO MNL REC 24-20 ASSY



TE Part #1-794610-2
MICRO MNL RPT CNT,LS PC 30AU L



TE Part #1-794608-1
PIN CONT 20-24 15 GOLD STRIP



TE Part #1-794608-0
PIN CONT 20-24 TIN PLATE STRIP



TE Part #1-794612-0
PIN CONT 20-24 TIN PLATE L/P



TE Part #1-794612-2
PIN CONT 20-24 30 GOLD L/P



TE Part #1-794613-0
PIN CONT 26-30 TIN PLATE L/P



TE Part #1-1879023-4
3650 1008 68nH 5% 2K RL



TE Part #1-794608-2
PIN CONT 20-24 30 GOLD STRIP



TE Part #1-794612-1
PIN CONT 20-24 15 GOLD L/P



Documents

Product Drawings

FREE HANG SNGL ROW HSG 2 POS

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1445049-2_B1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1445049-2_B1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1445049-2_B1.3d_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

Product Environmental Compliance

MD_1445049-2_06122018914_dmtec

English

MD_1445049-2_06122018914_dmtec

English

Agency Approvals

UL

English