2-1445050-3 ✔ ACTIVE

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

TE Internal #: 2-1445050-3

Micro MATE-N-LOK, Rectangular Power Connectors, Header, Plug, Wire-to-Board, 3 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: **3**

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	3
PCB Mount Orientation	Vertical
Number of Power Positions	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC

Contact Features

Contact Layout	Inline

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	Tin
Contact Mating Area Plating Material Thickness	2.54 – 7.62 µm[100 – 300 µin]
Contact Termination Area Plating Thickness	2.54 µm[100 µin]

Termination Features

Termination Post & Tail Length	3.18 mm[.125 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

PCB Mount Alignment Type	Polarization
Mating Alignment Type	Polarization
Mating Alignment	With
PCB Mount Alignment	With
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Retention Bump
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

Dimensions

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	350

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

TE Part # 1445022-3
MICRO MNL RFECEPT HSG SINGLE R

TE Part # 2008571-3
3 POS MICRO MNL, TOP LATCH, BL

TE Part # 2029047-3
3P MICRO MNL RCPT HSG SR SIDE

TE Part # 2029102-3
3P MICRO MNL RCPT SR SIDE WHT

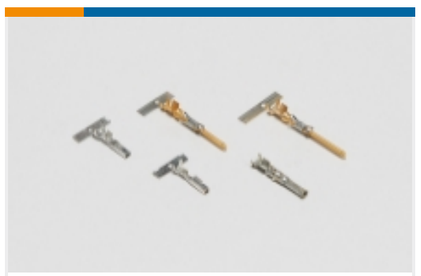
TE Part # 2029304-1
12P MICRO MNL ASSY,VRT,HDR ON

TE Part # 2315752-3
3P, 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 #103308-1
010 LOPRO HDR SP 15DP

TE Part #87220-2
02 MODII HDR SRST UNSHRD .100

TE Part #1445022-3
MICRO MNL RFECEPT HSG SINGLE R

TE Part #2-1445055-3
MICRO MNL HDR ASSY S/ROW LF

TE Part #2-1445050-2

MICRO MNL HDR ASSY S/ROW LF

TE Part #2-1445093-2

MICRO MNL HDR ASSY S/ROW AU LF

TE Part #103185-3

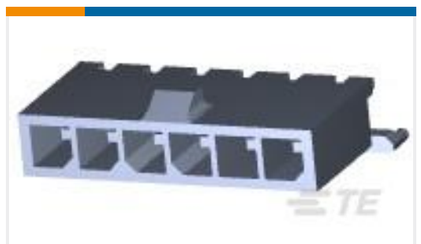
03 MODII HDR SRST B/A .100CL

TE Part #2-1445050-4

MICRO MNL HDR ASSY S/ROW LF

TE Part #2-1445050-5

MICRO MNL HDR ASSY S/ROW LF



TE Part #2-1445050-6

MICRO MNL HDR ASSY S/ROW LF

Documents

Product Drawings

MICRO MNL HDR ASSY S/ROW LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-1445050-3_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-1445050-3_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1445050-3_C.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

1773458-4_MICRO_MATE_N_LOK_CONNECTOR_SYSTEM_QRG

English

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

UL

English