2-1445057-5 ✔ ACTIVE

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

TE Internal #: 2-1445057-5

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 5 Position, 3 mm [.118 in] Centerline, Printed Circuit Board, UL 94V-0, Micro MATE-N-LOK

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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: **5**

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

Features

Product Type Features

Header Type	Fully Shrouded
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	5
PCB Mount Orientation	Right Angle
Number of Power Positions	5
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC

Contact Features

Multiple Contact Types	Without
PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Contact Layout	Inline
Contact Mating Area Plating Material	Tin
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 Thickness	2.54 µm[100 µin]

Termination Features

Termination Post & Tail Length	1.4 mm[.055 in]
Termination Method to Printed Circuit Board	Surface Mount

Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Polarization
Mating Retention	With
Mating Alignment	With
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Hold-Down Post
Mating Retention Type	Locking Tab
Connector Mounting Type	Board Mount

Housing Features

PCB Mount Retention Material	Phosphor Bronze
Centerline (Pitch)	3 mm[.118 in]
Housing Color	Black
Housing Material	High Temperature Nylon

Dimensions

Compatible Insulation Diameter (Max)	1.52 mm[1.52 in]
PCB Thickness (Recommended)	.06 mm[1.57 in]
Wire Size	.204 – .517 mm^2

Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]

Operation/Application

Circuit Application	Power

Industry Standards

CSA Rating	Certified, LR 7189
Glow Wire Material Rating	Material with GWFI 850°C, Material with GWIT ≥ 775°C
UL Rating	Recognized
Agency/Standard	CNR, USR
Approved Standards	UL E28476
UL Flammability Rating	UL 94V-0
Glow Wire Rating	GWT 750°C (Without Flame)

Packaging Features

Packaging Quantity	215
Packaging Method	Tape

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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

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 # 1445022-5
MICRO MNL RFECEPT HSG SINGLE R

TE Part # 2029030-4
4P MICRO MNL HDR ASY SR SIDE L

TE Part # 2029030-2
2P MICRO MNL HDR ASY SR SIDE L

TE Part # 2029030-3
3P MICRO MNL HDR ASY SR SIDE L

TE Part # 2029104-2
2P MICRO MNL HDR ASY SR SIDE N

TE Part # 2029104-4
4P MICRO MNL HDR ASY SR SIDE N

Also in the Series | Micro MATE-N-LOK

Insertion & Extraction Tools(1)

Power Contacts(27)

Rectangular Power Connectors(479)

Customers Also Bought

TE Part #1445022-5
MICRO MNL RFECEPT HSG SINGLE R

TE Part #2-1445057-2
MICRO MNL HDR ASSY SINGLE ROW

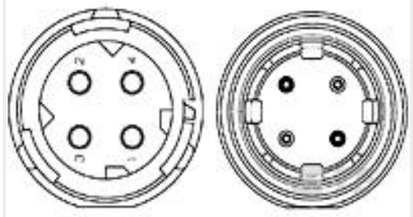
TE Part #2-1445057-3
MICRO MNL HDR ASSY SINGLE ROW

TE Part #2-1445091-4
MICRO MNL HDR ASSY S/ROW AU LF

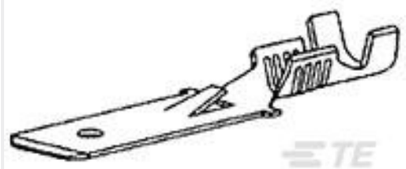
TE Part #2-1445091-2
MICRO MNL HDR ASSY S/ROW AU LF

TE Part #160655-4
FF 110 REC TERMINAL 20-15 AWG PTPPB

TE Part #929990-1
ROUND CONNECTOR SYSTEM, PIN AND SOCKET



TE Part #1703780-1
4POS,PIN DIA 2.5,PIN HSG,ASSY



TE Part #160762-2
FF 110 TAB 0.5-1.5MM2 PTPBR

Documents

Product Drawings

MICRO MNL HDR ASSY SINGLE ROW

English

CAD Files

Customer View Model

ENG_CVM_CVM_2-1445057-5_D.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-1445057-5_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1445057-5_D.3d_stp.zip

English

Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

MICRO MATE-N-LOK CONNECTOR SYSTEM

English

Product Specifications

Application Specification

English

Product Environmental Compliance

Product Compliance Document

English

Product Compliance Document

English