3-794677-6 ✔ ACTIVE

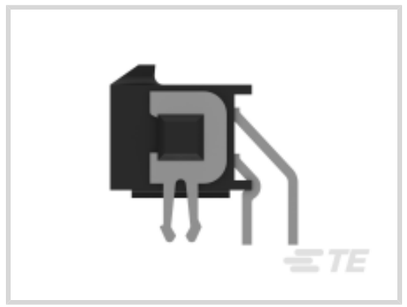
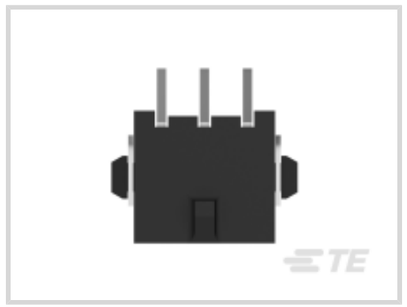
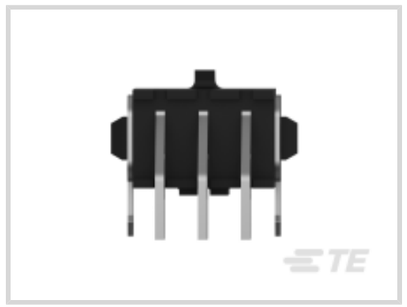
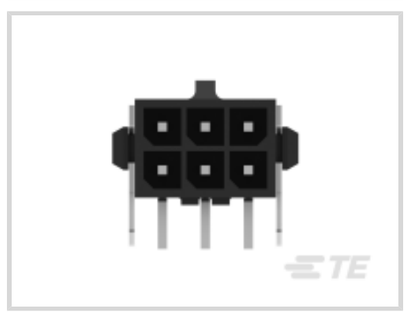
MATE-N-LOK | Micro MATE-N-LOK

TE Internal #: 3-794677-6

Micro MATE-N-LOK, Rectangular Power Connectors, Header, Plug, Wire-to-Board, 6 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: **6**

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	6
PCB Mount Orientation	Right Angle
Number of Power Positions	6
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VDC

Contact Features

Contact Termination Area Plating Finish	Matte

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

Strain Relief	Without
Mating Alignment Type	Polarization
Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
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
Boardlock Material	Phosphor Bronze

Dimensions

Wire Size	100.5 – 1022 CMA
Row-to-Row Spacing	3 mm[.118 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Height	11.55 mm

Length	13 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	286

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	Not Yet Reviewed
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

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

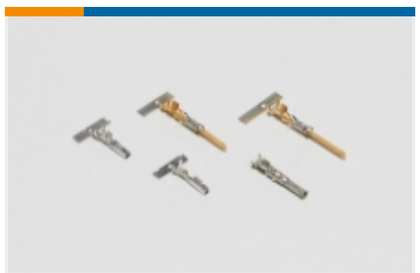
Compatible Parts

TE Part # 794617-6
6POS,MICRO MNL,RCPT HSG

Also in the Series | Micro MATE-N-LOK

Connector Contacts(1)

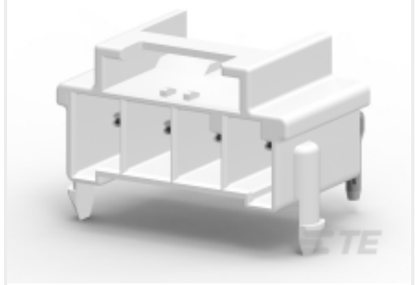
Insertion & Extraction Tools(1)



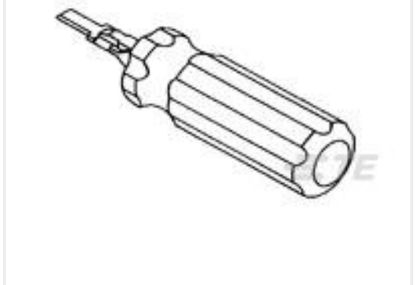
Power Contacts(26)

Rectangular Power Connectors(712)

Customers Also Bought



TE Part #1969694-4
POWER TRIPLE LOCK STD TEMP HEADER



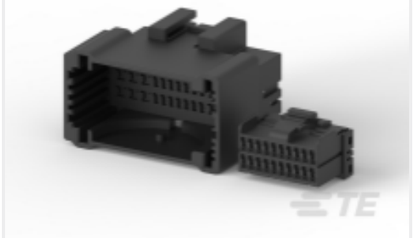
TE Part #1276565-1
EXTRACTION TOOL FOR .025 REC

TE Part #1969589-2
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5

TE Part #G-MRCO-028
AMR SENSOR COMPONENT STOCK LIST

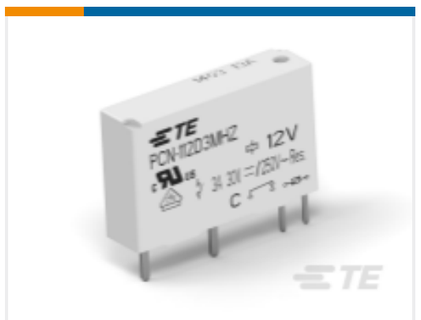
TE Part #1318774-1
TH/.025 CONNECTOR SYSTEM, HOUSING

TE Part #1123343-2
TH/.025 CONNECTOR SYSTEM, RECPT AND TAB



TE Part #174463-7
MULTILOCK, CONNECTOR HOUSING

TE Part #1379731-1
SIGNAL HEADER



TE Part #1721081-4
PCN 3A/5A SLIM PCB RELAY 3VDC

TE Part #1827654-2
2mm pitch Battery Plug Assy. 7P. H=4.0

Documents

CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_3-794677-6_J.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_3-794677-6_J.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_3-794677-6_J.3d_stp.zip

English

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

VDE Certificate

English

VDE Certificate

English