3-794680-6 ✔ ACTIVE

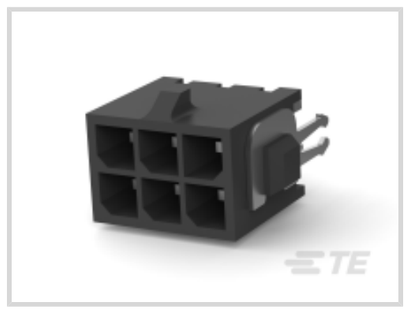
MATE-N-LOK | Micro MATE-N-LOK

TE Internal #: 3-794680-6

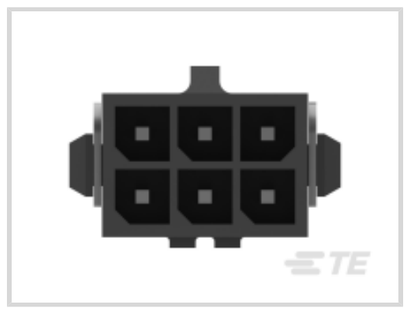
PCB Mount Header, Vertical, Wire-to-Board, 6 Position, 3 mm [.118 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Power, Micro MATE-N-LOK

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







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

Number of Positions: **6**

Number of Rows: **2**

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

PCB Mount Orientation: **Vertical**

Features

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
PCB Connector Assembly Type	PCB Mount Header

Configuration Features

Number of Power Positions	6
Number of Columns	3
Number of Loaded Positions	6
Connector Contact Load Condition	Fully Loaded
Number of Positions	6
Number of Rows	2

PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

PCB Retention Feature Material	Phosphor Bronze
PCB Retention Feature Plating Material	Tin
Primary Product Color	Black

Contact Features

Contact Mating Area Length	4.15 mm[.163 in]
Contact Size	.64mm
Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	2.54 – 7.62 µm[100 – 300 µin]
Contact Layout	Matrix
Contact Underplating Material Thickness	1.27 – 2.54 µm[50 – 100 µin]
Contact Mating Area Plating Material Thickness	2.54 – 7.62 µm[100 – 300 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Square
Contact Mating Area Plating Material Finish	Matte
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin
Contact Type	Tab
Contact Current Rating (Max)	5 A

Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Post & Tail Length	3.18 mm[.125 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Polarization
Mating Retention	With
Panel Mount Feature	Without

PCB Mount Retention Type	Hold-Down, Retention Bump
Mating Retention Type	Locking Tab
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	With

Housing Features

Mating Entry Location	Top
Housing Material	High Temperature Nylon
Centerline (Pitch)	3 mm[.118 in]

Dimensions

Connector Length	13 mm[.512 in]
Connector Height	9.24 mm[.364 in]
Connector Width	8.67 mm[.341 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Row-to-Row Spacing	3 mm[.118 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

UL Rating	Recognized
Glow Wire Rating	GWT 750°C (Without Flame)
Compatible With Agency/Standards Products	CNR, USR
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	286
Packaging Method	Tray

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 # 794617-6
6POS,MICRO MNL,RCPT HSG

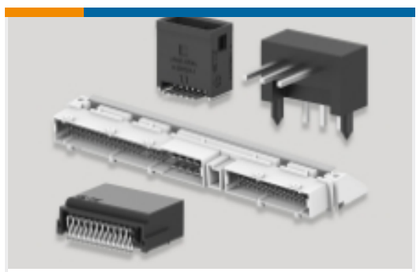
Also in the Series | Micro MATE-N-LOK



Connector Contacts(27)



Insertion & Extraction Tools(1)

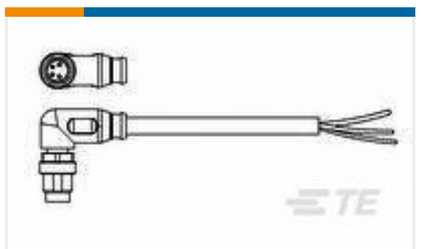


PCB Headers & Receptacles(371)



Rectangular Power Connectors(98)

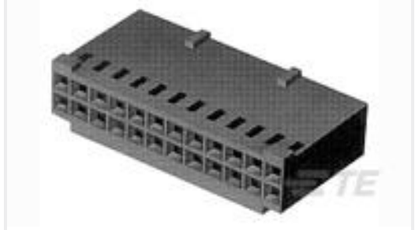
Customers Also Bought



TE Part #2273010-1
M8 x 1.0 Angled plug Pigtail



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



TE Part #280513
AMPMODU II REC. HSG, DUAL ROW, 18 POS



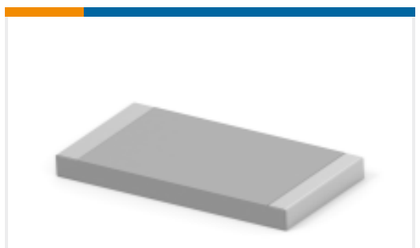
TE Part #1-1879215-0
CPF 0402 4K99 0.1% 25PPM 1K RL



TE Part #3-1761603-3
IDC LOW PRO HDR 40P VERT BLUE



TE Part #2842142-4
8P,2MM,BRK HDR,DRVT,SMD,0.1AU, TR W/CAP



TE Part #4-2176331-9
CRGP 2512 100K 1%



TE Part #1-2176308-0
RP 1E 0.1W 165K 0.1% 25PPM 5K RL



TE Part #1-1879125-2
RN 0402 54R9 0.1% 10PPM 5K RL

Documents

Product Drawings

06P MICRO MNL ASSY,VRT,THRU LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-794680-6_G.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-794680-6_G.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-794680-6_G.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

MICRO MATE-N-LOK CONNECTOR SYSTEM

English

Product Specifications

Application Specification

English

Agency Approvals

VDE Certificate

English

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TE Connectivity:

2380312-2 3-1393225-0 CRGCQ2010J3K3 U5254-000005-030PA 1-794222-0 SMW73R0JT 1743455-2 3430B2F51RTDF 650075-000 936348-1 ROX05SJ18R 175977-2 2-292161-3 3631B101LL 917696-1 CPF0402B37K4E1 1-962915-1 1393431-1 MPT100C18RF 1969656-1 2310537-1 SBCHE154R7K SBCHE64R7K TE50BR39J 2377783-2 2834055-1 RH73H2A40MKTN 141991-2 2005330-1 1903112-2