

3-794630-6 ✓ ACTIVE

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

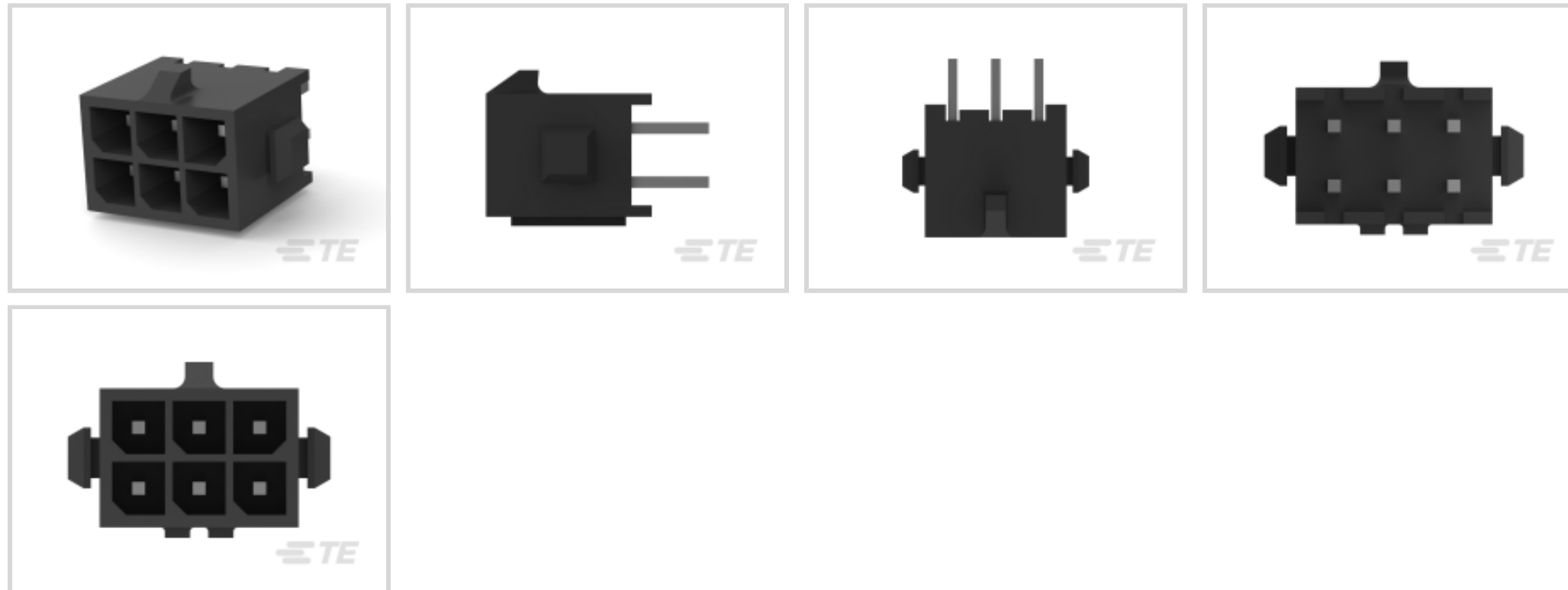
TE Internal #: 3-794630-6

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



PCB Connector Assembly Type: **PCB Mount Header**

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

Number of Positions: **6**

Number of Rows: **2**

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

Features

Product Type Features

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

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
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Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

Primary Product Color	Black
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Contact Features

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

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

Mating Alignment Type	Polarization
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Mating Retention	With
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Panel Mount Feature	Without
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PCB Mount Retention Type	Retention Bump
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Mating Retention Type	Locking Tab
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Connector Mounting Type	Board Mount
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Mating Alignment	With
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PCB Mount Alignment	Without
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PCB Mount Retention	With
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Housing Features

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

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

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

Circuit Application	Power
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Industry Standards

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

Packaging Quantity	286
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Packaging Method	Tray
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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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




TE Part # 4-2315124-0
10P MICRO MNL ASSY,VRT,SMT,LF




TE Part # 4-2315124-2
12P MICRO MNL ASSY,VRT,SMT,LF

Also in the Series | Micro MATE-N-LOK



Connector Contacts(27)



Insertion & Extraction Tools(1)

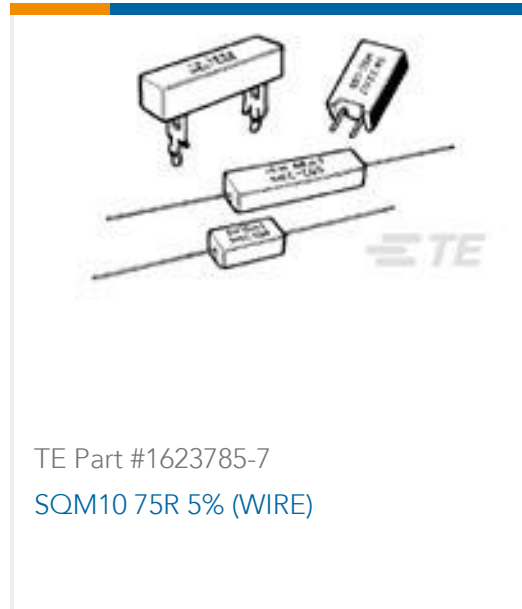


PCB Headers & Receptacles(371)



Rectangular Power Connectors(98)

Customers Also Bought



TE Part #1623785-7
SQM10 75R 5% (WIRE)



TE Part #2-1445050-2
MICRO MNL HDR ASSY S/ROW LF



TE Part #2-1445050-3
MICRO MNL HDR ASSY S/ROW LF



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



TE Part #2267075-1
PMS9P1B08M2RE



TE Part #9-2176088-8
RP 1J 0.166W 9K53 0.1% 25PPM 1K RL



TE Part #2176399-2
3502 330R 5%



TE Part #ZPF000000000105054
Rectangular Connector Receptacles,
Tool-less Assembly



TE Part #4-794630-6
16P MICRO MNL ASSY,VRT,HDR,LF

Documents

Product Drawings

[06P MICRO MNL ASSY VRT HDR LF](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_3-794630-6_H.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-794630-6_H.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-794630-6_H.3d_stp.zip](#)

English

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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