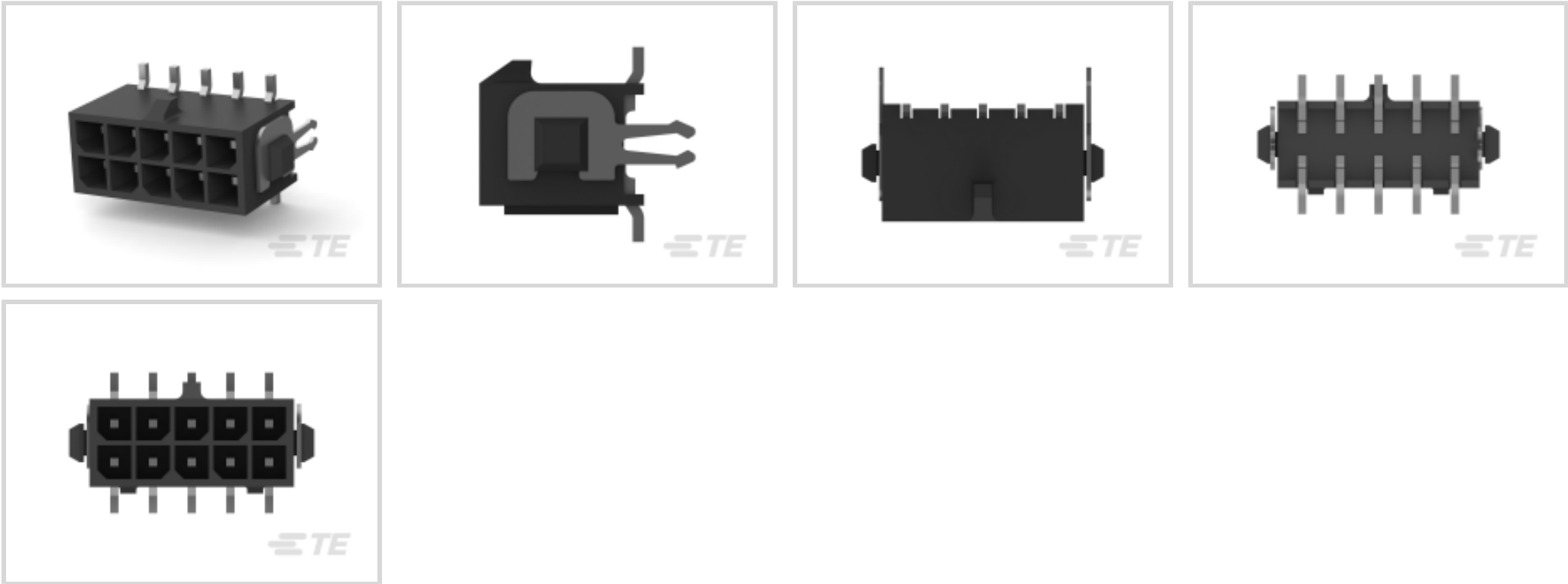




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: PCB Mount Header

PCB Mount Orientation: Vertical

Connector System: Wire-to-Board

Number of Positions: 10

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

Features

Product Type Features

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

Configuration Features

Number of Columns	5
Number of Loaded Positions	10
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	10



Number of Rows	2
Number of Power Positions	10

Electrical Characteristics

Operating Voltage	250 VDC
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Body Features

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

Contact Features

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

Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

Panel Mount Feature	Without
Mating Retention Type	Locking Tab
Mating Alignment Type	Polarization



PCB Mount Retention Type	Hold-Down
PCB Mount Alignment	Without
Mating Retention	With
PCB Mount Retention	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

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

Dimensions

Row-to-Row Spacing	3 mm[.118 in]
Connector Width	6.86 mm[.27 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	9.24 mm[.364 in]
Connector Length	19 mm[.748 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power
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Industry Standards

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

Packaging Features

Packaging Quantity	175
Packaging Method	Package

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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 # 1-794617-0
10POS,MICRO MNL,RCPT HSG



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

Also in the Series | **Micro MATE-N-LOK**



Connector Contacts(31)



PCB Headers & Receptacles(378)



Power Contacts(31)



Rectangular Connector Housings(110)



Rectangular Power Connectors(488)



Standard Rectangular Connectors(110)



Wire-to-Board Connector Assemblies & Housings(27)

Customers Also Bought



TE Part #4-794633-4
14P MICRO MNL ASSY,VRT,SMT,LF



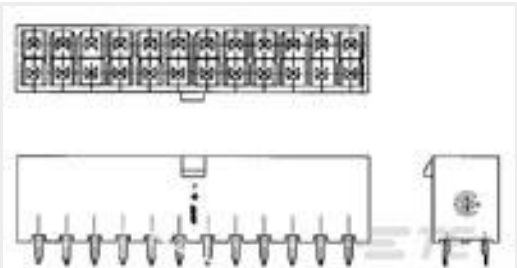
TE Part #4-794633-6
16P MICRO MNL ASSY,VRT,SMT,LF



TE Part #5-794633-0
20P MICRO MNL ASSY,VRT,SMT,LF



TE Part #5-794633-4
24P MICRO MNL ASSY,VRT,SMT,LF



TE Part #1-1586037-0
10P VERT HDR VAL-U-LOK V2



TE Part #7-1879140-4
RN 0603 107K 0.1% 10PPM 5K RL



TE Part #4-2176070-5
3521 680R 1% 2W



TE Part #2176307-3
RP 1E 0.1W 13K 0.1% 25PPM 5K RL



TE Part #5787834-1
STD USB TYPE B, VERTICAL, T/H



TE Part #L9000366-01
Antenna Wifi6/6E IP67 Blade SMA

Documents



CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-794633-0_K.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-794633-0_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-794633-0_K.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