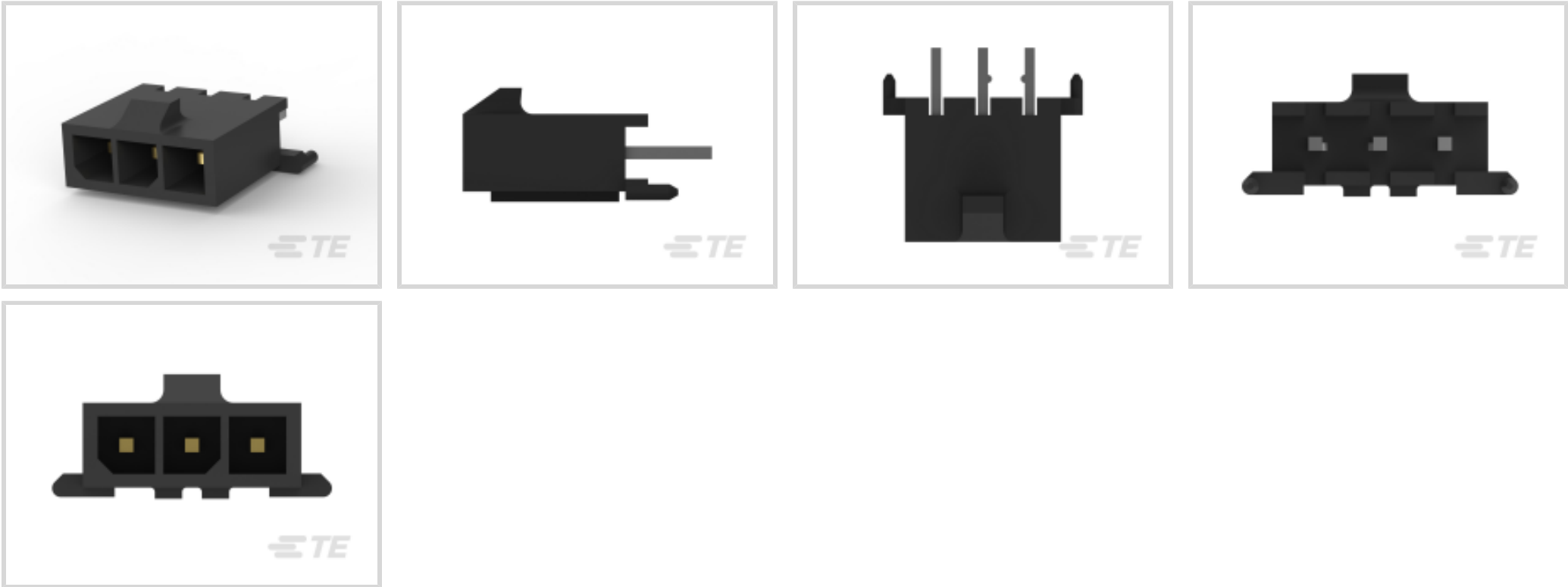




Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **3**

Number of Rows: **1**

Features

Electrical Characteristics

Operating Voltage	250 VDC
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Dimensions

Connector Width	3.86 mm[.152 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	9.24 mm[.364 in]
Connector Length	10 mm[.394 in]

Packaging Features

Packaging Quantity	350
Packaging Method	Tray

Industry Standards

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



UL Flammability Rating	UL 94V-0
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Usage Conditions

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

Mechanical Attachment

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

Termination Features

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

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
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Mating Square Post Dimension	.64 mm[.025 in]
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material Thickness	2.54 – 7.62 µm[100 – 300 µin]
Contact Layout	Inline
Contact Mating Area Length	4.15 mm[.163 in]
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin



Contact Mating Area Plating Material	Gold
Contact Type	Tab
Contact Current Rating (Max)	5 A

Housing Features

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

Configuration Features

Number of Columns	3
Number of Loaded Positions	3
Number of Power Positions	3
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	3
Number of Rows	1

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

Body Features

Primary Product Color	Black
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Operation/Application

Circuit Application	Power
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 # 2029047-3
3P MICRO MNL RCPT HSG SR SIDE



TE Part # 2008571-3
3 POS MICRO MNL, TOP LATCH, BL



TE Part # 1445022-3
MICRO MNL RFECEPT HSG SINGLE R



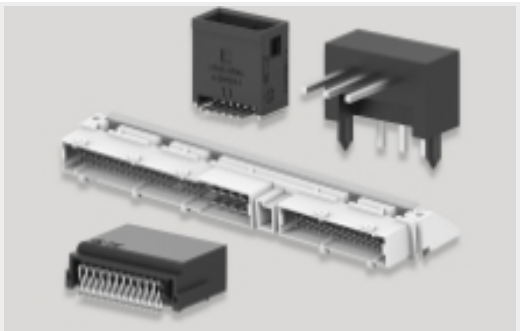
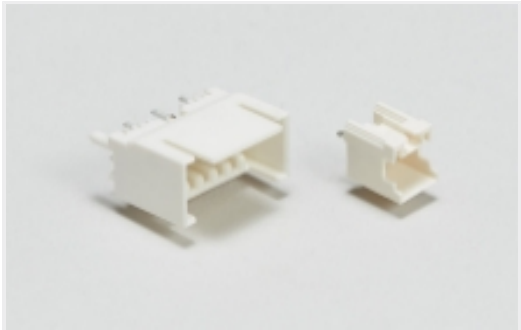
TE Part # 2315752-3
3P, MICRO MNL RCPT HSG SINGLE ROW, V0 GW



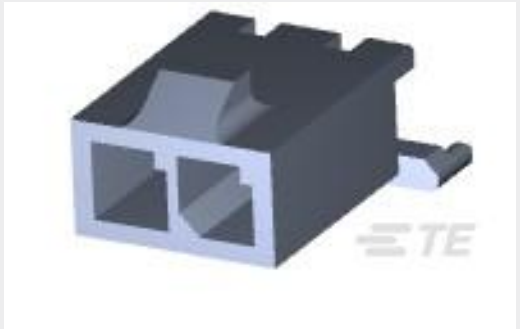
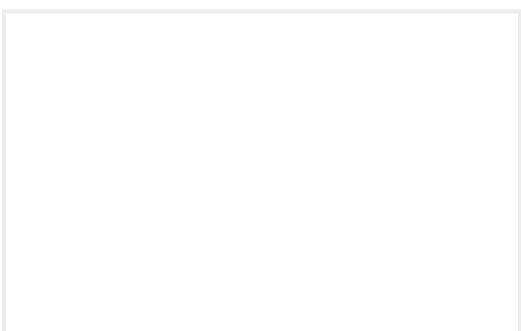
TE Part # 2029102-3
3P MICRO MNL RCPT SR SIDE WHT



Also in the Series | Micro MATE-N-LOK

 Connector Contacts(27)	 Insertion & Extraction Tools(1)	 PCB Headers & Receptacles(371)	 Power Contacts(27)
 Rectangular Power Connectors(98)	 Wire-to-Board Headers & Receptacles (371)		

Customers Also Bought

 TE Part #3-641208-9 09P MTA156 HDR ASSY FL ST LF	 TE Part #4-641208-0 10P MTA156 HDR ASSY FL ST LF	 TE Part #2-1445084-2 micro mnl hdr assy s/row au lf	 TE Part #2-1445093-5 MICRO MNL HDR ASSY S/ROW AU LF
 TE Part #2-1676481-3 CPF 0603 43R 0.1% 25PPM 1K RL	 TE Part #4-1437719-5 T01-0560-P03-MALE REC PANEL-PCB MOUNT RA	 TE Part #1-282856-8 18P TERMI-BLOK PCB MOUNT	 TE Part #3-794679-8 08P MICRO MNL ASSY,R/A,THRU,LF
 TE Part #839686-E IDCCS SRC 1,27 6 * SFX APU 160 PVC	 TE Part #3-2040714-7 .5FHR04H,220,S,GIG,8/SN,TR,NSYES		



Documents

Product Drawings

MICRO MNL HDR ASSY S/ROW AU LF

English

CAD Files

Customer View Model

ENG_CVM_CVM_2-1445093-3_C.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-1445093-3_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1445093-3_C.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

UL Report

English