2029030-2 ✔ ACTIVE

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

TE Internal #: 2029030-2

PCB Mount Header, Right Angle, Wire-to-Board, 2 Position, 3 mm [.118 in] Centerline, Fully Shrouded, Tin (Sn), Surface Mount, Power, Micro MATE-N-LOK

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **2**

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	2
Number of Loaded Positions	2
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Right Angle
Number of Positions	2

Number of Rows	1
Number of Power Positions	2

Electrical Characteristics

Operating Voltage	250 VDC

Body Features

PCB Retention Feature Material	Phosphor Bronze
PCB Retention Feature Plating Material	Tin
Connector Profile	Low
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	Inline
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 Alignment Type	Polarization

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

Housing Features

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

Dimensions

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

Compatible With Agency/Standards Products	CNR, USR
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	215
Packaging Method	Reel

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 2025 (250) Candidate List Declared Against: JAN 2025 (247) 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 # 1-2008570-2
2 POS MICRO MNL, SIDE LATCH, N



TE Part # 2029102-2
2P MICRO MNL RCPT SR SIDE WHT



TE Part # 2029104-2
2P MICRO MNL HDR ASY SR SIDE N



TE Part # 2029104-4
4P MICRO MNL HDR ASY SR SIDE N



TE Part # 2029104-3
3P MICRO MNL HDR ASY SR SIDE N



TE Part # 2-1445056-3
MICRO MNL HDR ASSY SINGLE ROW



TE Part # 2029030-4
4P MICRO MNL HDR ASY SR SIDE L



TE Part # 1-2029030-2
2P MICRO MNL HDR ASY SR SIDE L



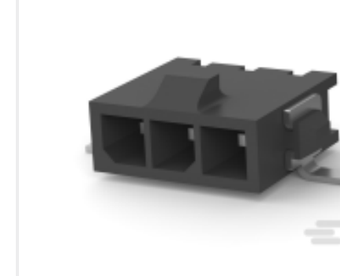
TE Part # 1445022-2
MICRO MNL RECEPT HSG SINGLE R



TE Part # 2-1445056-2
MICRO MNL HDR ASSY SINGLE ROW



TE Part # 2-1445057-5
MICRO MNL HDR ASSY SINGLE ROW



TE Part # 2-1445057-3
MICRO MNL HDR ASSY SINGLE ROW



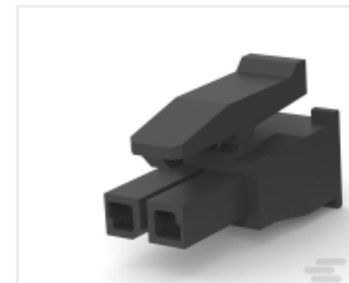
TE Part # 2-1445057-6
MICRO MNL HDR ASSY SINGLE ROW



TE Part # 2029030-3
3P MICRO MNL HDR ASY SR SIDE L



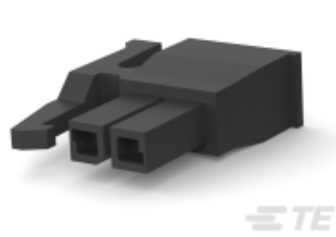
TE Part # 2029047-2
2P MICRO MNL RCPT HSG SR SIDE



TE Part # 2008571-2
2 POS MICRO MNL, TOP LATCH, BL



TE Part # 2-1445057-4
MICRO MNL HDR ASSY SINGLE ROW



TE Part # 2008570-2
2 POS MICRO MNL, SIDE LATCH, B



TE Part # 2315752-2
2P, MICRO MNL RCPT HSG SINGLE ROW, V0 GW



TE Part # 1-2008571-2
2 POS MICRO MNL, TOP LATCH, NA

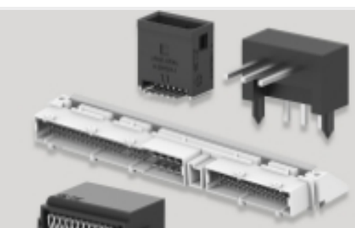
Also in the Series | Micro MATE-N-LOK



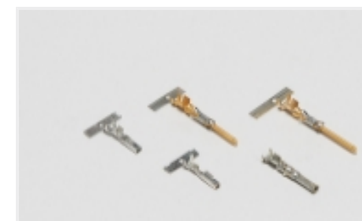
Connector Contacts(27)



Insertion & Extraction Tools(1)



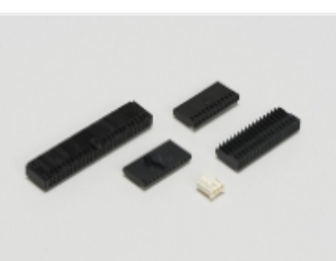
PCB Headers & Receptacles(371)



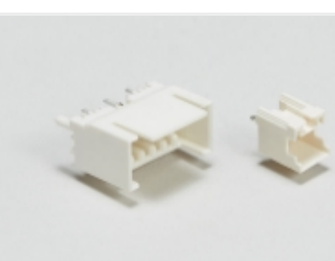
Power Contacts(27)



Rectangular Power Connectors(469)



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

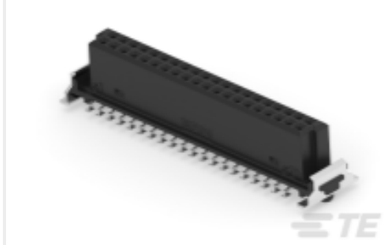


Wire-to-Board Headers & Receptacles (371)

Customers Also Bought



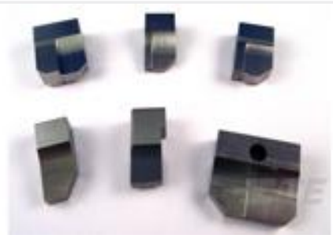
TE Part #354079-E
SMCQ 20 F AB VV 7-03 CL * 0007 137 E002



TE Part #204632-E
SMCB 40 F AB VV 7-13 CL * H007 137 E002



TE Part #462006-3
FLOATING SHEAR



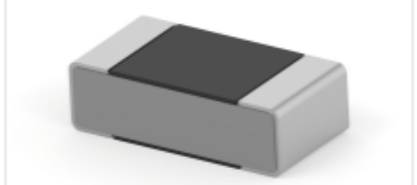
TE Part #1338691-1
ANVIL, COMBINATION .062



TE Part #1-1658620-2
064 NOVO MIL 15DP FT



TE Part #2029030-4
4P MICRO MNL HDR ASY SR SIDE L

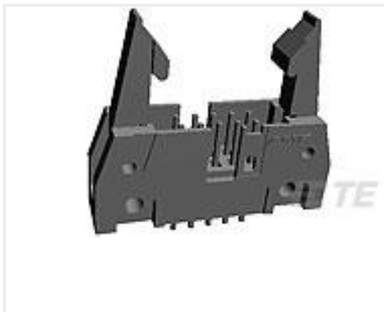


TE Part #3-2176236-4
CPF A 0402 24K9 0.1% 25PPM 5K RL

TE Part #2314176-1
CAGE ASSEMBLY, 1X4, QSFP28, SPRING



TE Part #2359482-1
LUMAWISE ENDURANCE N+ 7P Base With Vent



TE Part #1-5499923-2
A/L UNIV HDR 64P VERT LAT

Documents

Product Drawings

2P MICRO MNL HDR ASY SR SIDE L

English

CAD Files

Customer View Model

ENG_CVM_CVM_2029030-2_B.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2029030-2_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2029030-2_B.3d_stp.zip

English

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Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

Product Specifications

Application Specification

English

Agency Approvals

Agency Approval Document

English