4-794638-6 ✔ ACTIVE

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

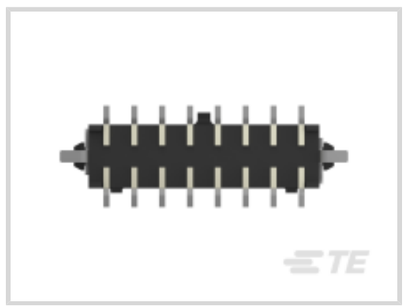
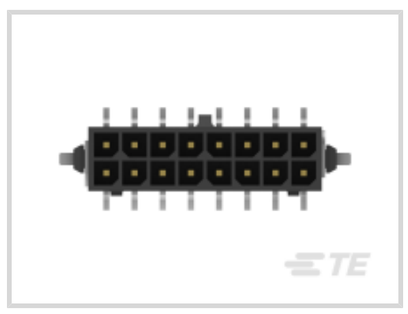
TE Internal #: 4-794638-6

PCB Mount Header, Vertical, Wire-to-Board, 16 Position, 3 mm [.118 in] Centerline, Fully Shrouded, Gold, Surface Mount, Power, Black, 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: **16**

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	16
Number of Columns	8
Number of Loaded Positions	16
Connector Contact Load Condition	Fully Loaded
Number of Positions	16
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	.76 µm[30 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Gold
Contact Type	Tab
Contact Current Rating (Max)	5 A

Termination Features

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

Mechanical Attachment

Mating Alignment Type	Polarization
Mating Retention	With
Panel Mount Feature	Without
PCB Mount Retention Type	Hold-Down
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	28 mm[1.102 in]
Connector Height	9.24 mm[.364 in]
Connector Width	6.86 mm[.27 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	175
Packaging Method	Tape

Product Compliance

For compliance documentation, visit the product page on TE.com>

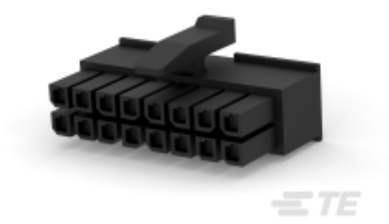
EU RoHS Directive 2011/65/EU	Compliant

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 # 1-794617-6
16POS,MICRO MNL,RCPT HSG

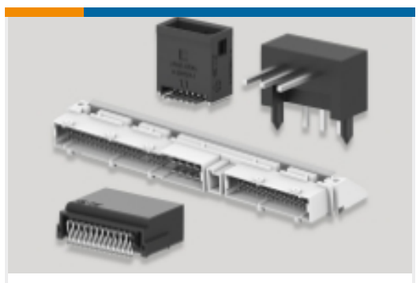
Also in the Series | Micro MATE-N-LOK



Connector Contacts(27)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(371)



Rectangular Power Connectors(98)

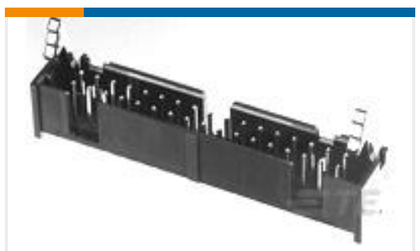
Customers Also Bought



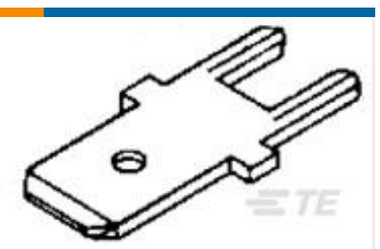
TE Part #1393212-8
T92S7D12-12



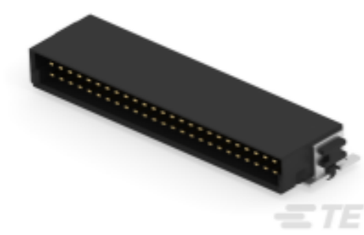
TE Part #5-747904-2
9 Plug Solder Cup, Gold Flash,



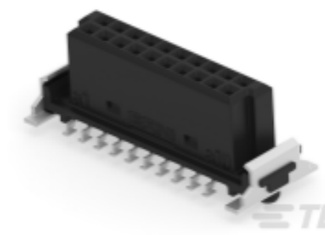
TE Part #1-1761608-1
IDC LOW PRO HDR 34P VERT SHT L



TE Part #726386-2
250 FASTON TAB TPBR



TE Part #154765-E
SMCB 50 M AB VV 7-03 CL * 0007 137 E004



TE Part #354056-E
SMCB 20 F AB VV 7-13 CL * H007 137 E002



TE Part #354080-E
SMCQ 32 F AB VV 7-03 CL * 0007 137 E002



TE Part #374317-E
DRCB 2,54 20 M SMD * 137 E012 094 GURT *

TE Part #1010-016-0406
SEAL, INTF, 4P, RED-ORG, STD, DT



TE Part #2027234-2
T9ES1D14-12

Documents

Product Drawings

16P MICRO MNL ASSY,VRT,SMT,LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-794638-6_L.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-794638-6_L.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-794638-6_L.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

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

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