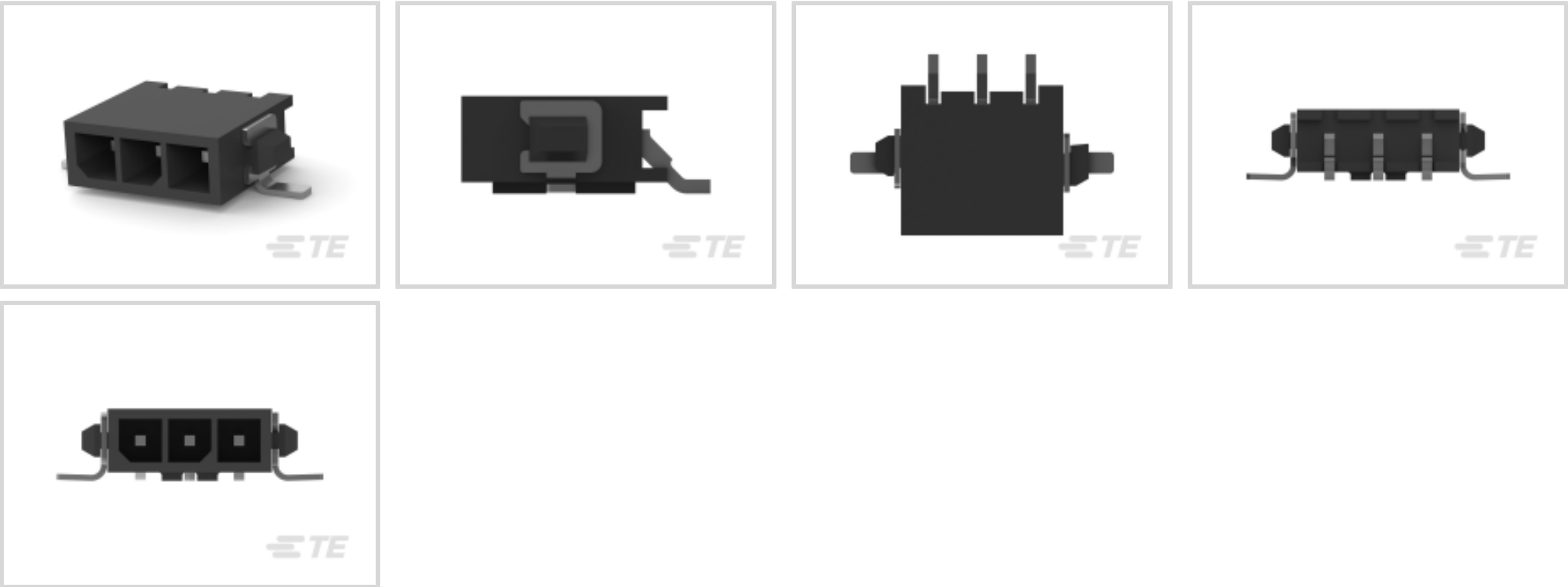




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **3**

Number of Rows: **1**

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	3
Number of Loaded Positions	3
Number of Power Positions	3
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Right Angle



Number of Positions	3
Number of Rows	1

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
Contact Mating Area Plating Material Thickness	2.54 – 7.62 µm[100 – 300 µin]
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
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Tin (Sn)
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

Panel Mount Feature	Without
Mating Retention	Without



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

Housing Features

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

Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	3.86 mm[.152 in]
Connector Length	13 mm[.512 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	Package

Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
------------------------------	-----------

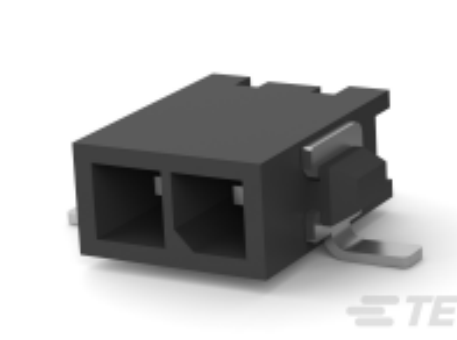
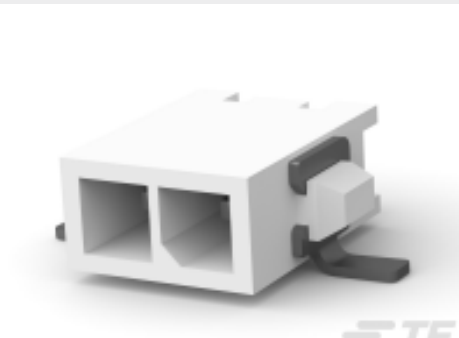
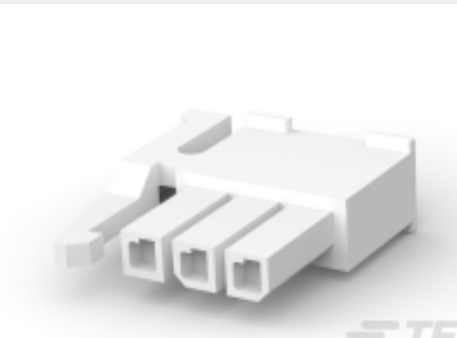
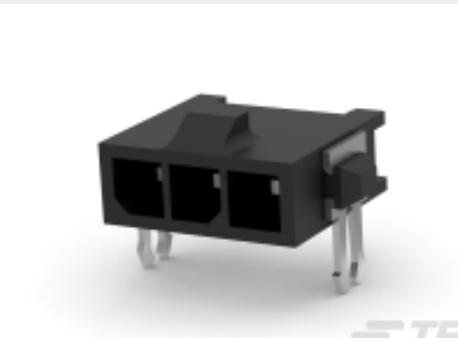


EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Low 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 # 2315752-3 3P, MICRO MNL RCPT HSG SINGLE ROW, V0 GW	 TE Part # 2029030-2 2P MICRO MNL HDR ASY SR SIDE L	 TE Part # 2029104-4 4P MICRO MNL HDR ASY SR SIDE N	 TE Part # 2-1445057-8 MICRO MNL HDR ASSY SINGLE ROW
 TE Part # 2029104-2 2P MICRO MNL HDR ASY SR SIDE N	 TE Part # 2029102-3 3P MICRO MNL RCPT SR SIDE WHT	 TE Part # 2-1445056-3 MICRO MNL HDR ASSY SINGLE ROW	 TE Part # 2029104-3 3P MICRO MNL HDR ASY SR SIDE N



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

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

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

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

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

TE Part # 2-1445057-7
MICRO MNL HDR ASSY SINGLE ROW

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

TE Part # 2-1445056-4
MICRO MNL HDR ASSY SINGLE ROW

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

Also in the Series | [Micro MATE-N-LOK](#)

Connector Contacts(27)

Insertion & Extraction Tools(1)

PCB Headers & Receptacles(371)

Power Contacts(27)

Rectangular Connector Housings(98)

Rectangular Power Connectors(469)

Wire-to-Board Headers & Receptacles (371)

Customers Also Bought

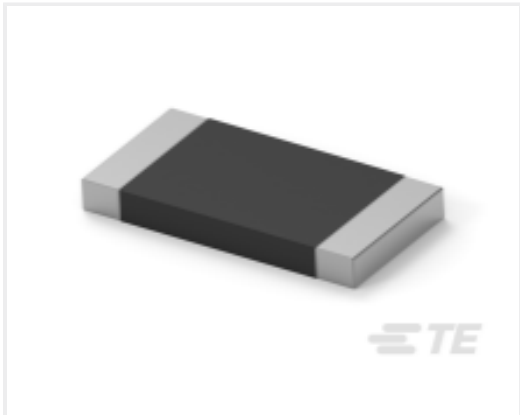




TE Part #1-640445-3
13P MTA156 HDR ASSY FL/STR SN



TE Part #5406514-2
MJ,RJ11,SMT,6/6,GRAY,13"REEL



TE Part #8-2176422-2
TLRP 2512 3.0W R005 1% 75PPM 4K RL



TE Part #1393240-3
RT314110



TE Part #284174-E
STVC/2 48 F ABC VV 7-00 TL 4,0 *
247 E0



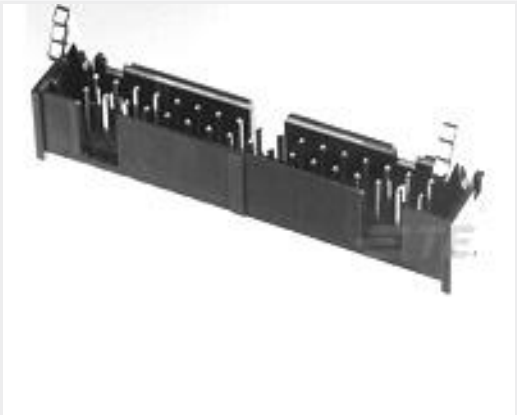
TE Part #350584-4
04P UMNL PIN HDR ASSY V2 LF



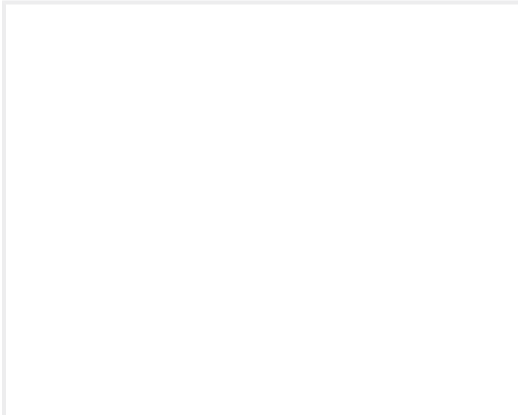
TE Part #1-480275-0
12P CMNL PLUG HSG P/M NATL



TE Part #2-2176216-2
CPF A 0603 470R 0.1% 25PPM 1K RL



TE Part #3-1761606-3
IDC LOW PRO HDR 40P VERT LA



TE Part #9107716001
ZHTM-8/4-0-RSU-STK

Documents

Product Drawings
3P MICRO MNL HDR ASY SR SIDE L
English

CAD Files
Customer View Model
ENG_CVM_CVM_2029030-3_B.2d_dxf.zip
English
3D PDF
3D
Customer View Model
ENG_CVM_CVM_2029030-3_B.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_2029030-3_B.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