

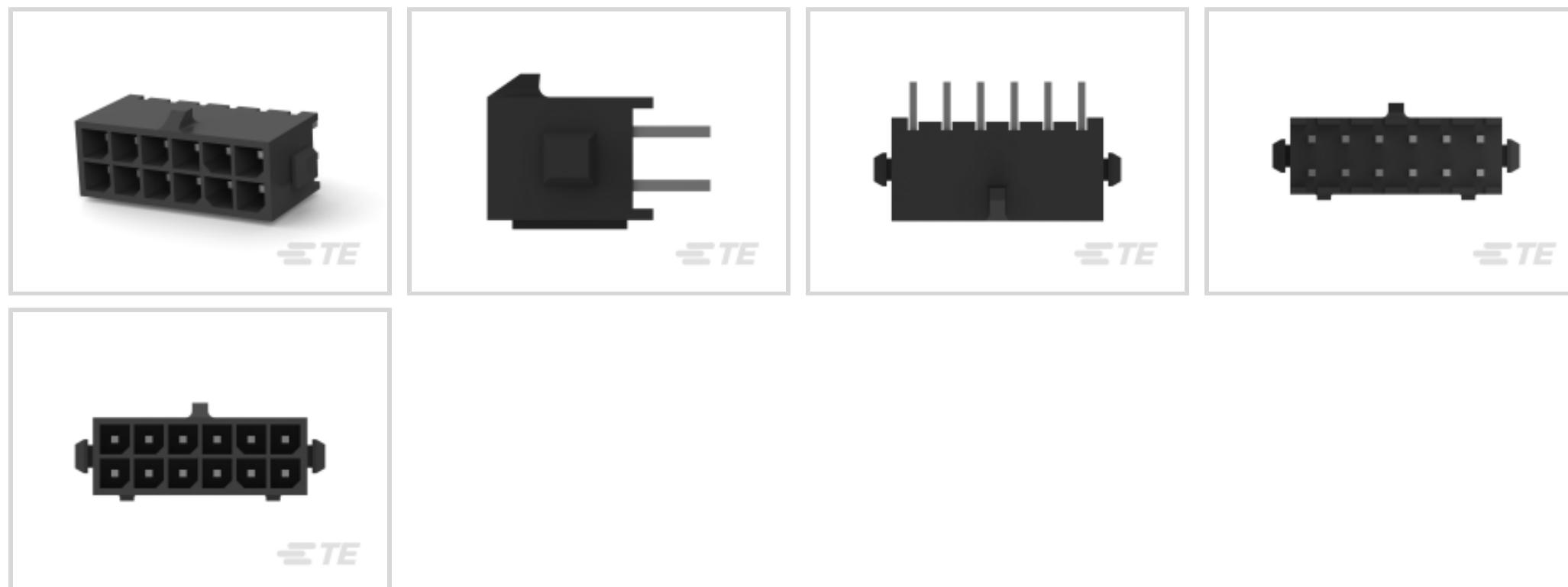
4-794630-2

✓ ACTIVE

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

TE Internal #: 4-794630-2

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 12 Position, 3 mm [.118 in] Centerline, Printed Circuit Board, UL 94V-0, Micro MATE-N-LOK

[View on TE.com >](#)[Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors](#)Rectangular Power Connector Type: **Header**Connector & Housing Type: **Plug**Connector System: **Wire-to-Board**Number of Positions: **12**Centerline (Pitch): **3 mm [.118 in]****Features****Product Type Features**

Header Type	Fully Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Plug
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	12
PCB Mount Orientation	Vertical
Number of Power Positions	12
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VDC
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Contact Features

Multiple Contact Types	Without
PCB Contact Termination Area Plating Material Thickness	3.81 μm [150 μin]
Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	5 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	2.54 – 7.62 μm [100 – 300 μin]

Termination Features

Termination Post & Tail Length	3.43 mm [.135 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	3 mm [.118 in]
Housing Color	Black
Housing Material	Nylon

Dimensions

Connector Height	9.24 mm
PCB Thickness (Recommended)	1.6 mm [.063 in]
Product Width	8.67 mm
Product Length	18.86 mm
Row-to-Row Spacing	3 mm [.118 in]

Usage Conditions

Operating Temperature Range

-40 – 105 °C [-40 – 221 °F]

Operation/Application

Circuit Application

Power

Industry Standards

CSA Rating

Certified, LR 7189

Glow Wire Material Rating

Material with GWFI 850°C, Material with GWIT \geq 775°C

UL Rating

Recognized

Agency/Standard

CNR, USR

Approved Standards

UL E28476

UL Flammability Rating

UL 94V-0

Glow Wire Rating

GWT 750°C (Without Flame)

Packaging Features

Packaging Quantity

169

Packaging Method

Box & Tray, Tray

Product ComplianceFor 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 2023 (235)

Candidate List Declared Against: JUNE 2023 (235)

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 # 1-794617-2
12POS,MICRO MNL,RCPT HSG

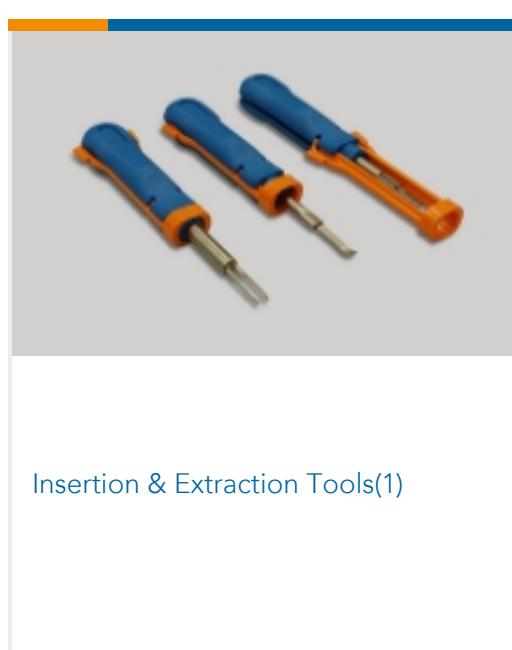


TE Part # 2029304-1
12P MICRO MNL ASSY,VRT,HDR ON

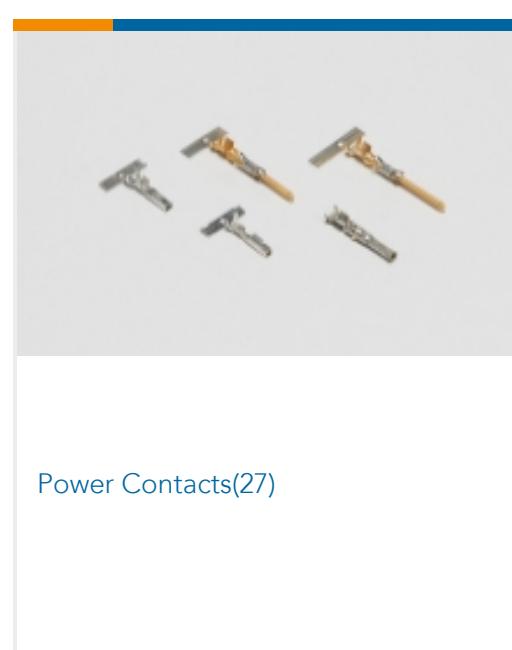


TE Part # 4-2315124-2
12P MICRO MNL ASSY,VRT,SMT,LF

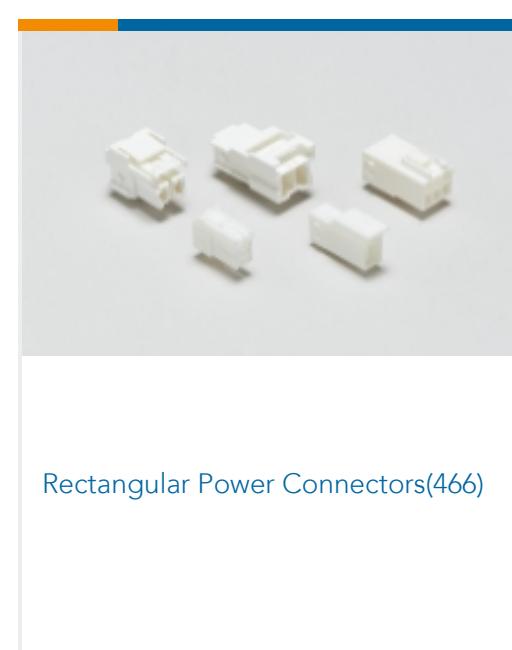
Also in the Series | Micro MATE-N-LOK



Insertion & Extraction Tools(1)



Power Contacts(27)



Rectangular Power Connectors(466)

Customers Also Bought



TE Part #YD369-B99-NP000000
369 9 WAY PANEL MNT REC, NO CONTACTS,PIN



TE Part #3-794620-4
04P MICRO MNL ASSY,R/A,HDR,LF



TE Part #5-794630-4
24P MICRO MNL ASSY,VRT,HDR,LF



TE Part #3-794620-8
08P MICRO MNL ASSY,R/A,HDR,LF



TE Part #4-794618-2
12P MICRO MNL ASSY R/A HDR LF



TE Part #4-1676481-4
CPF 0603 360R 0.1% 25PPM 1K RL



TE Part #1-2176304-8
RP 1E 0.1W 15R 0.1% 25PPM 5K RL



TE Part #345160-1
040 SERIES RECEPT.



Documents

Product Drawings

[12P MICRO MNL ASSY,VRT,HDR,LF](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_4-794630-2_H.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-794630-2_H.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-794630-2_H.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

Product Environmental Compliance

[MD_4-794630-2_013120172234_dmtec](#)

English

[MD_4-794630-2_013120172234_dmtec](#)

English

Agency Approvals

[VDE Certificate](#)

English