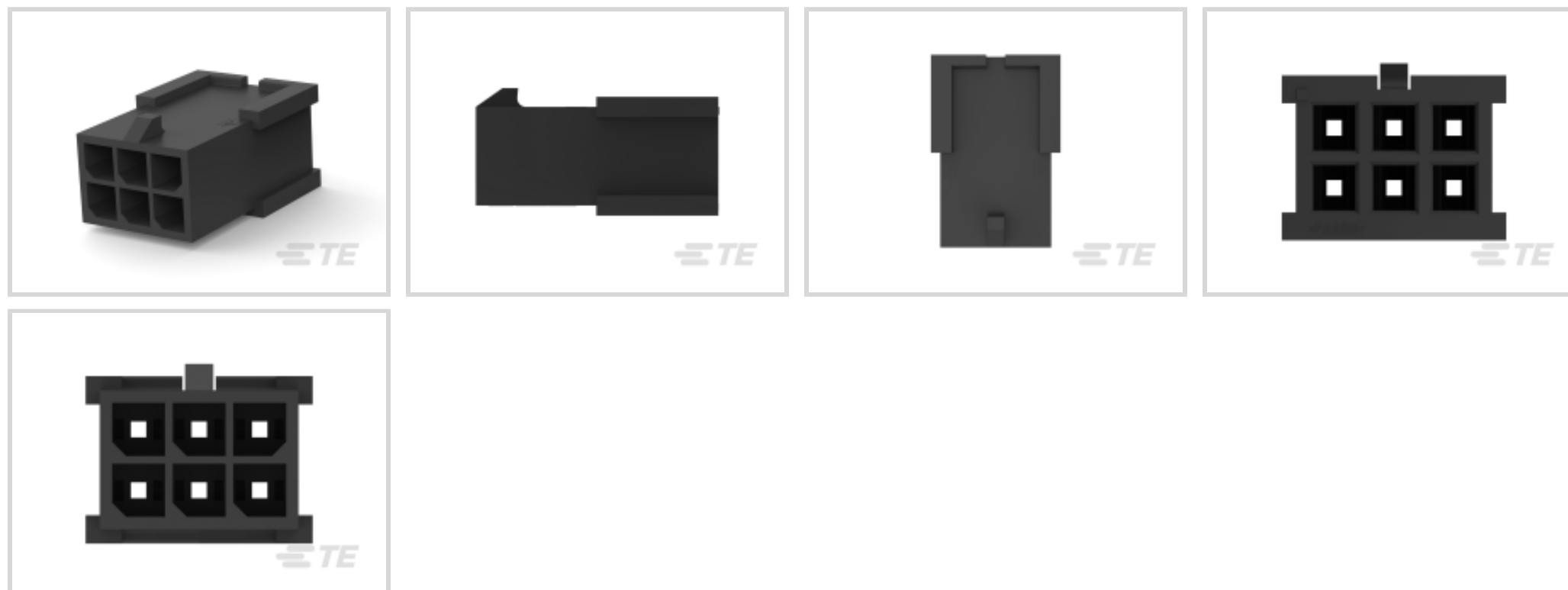# 794616-6 ✔ ACTIVE

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

TE Internal #: 794616-6

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire, 6 Position, 3 mm [.118 in] Centerline, Wire & Cable, UL 94V-0, Micro MATE-N-LOK

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors

Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

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

Number of Positions: **6**

Centerline (Pitch): **3 mm [.118 in]**

Features

Product Type Features

Rectangular Power Connector Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	6
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VDC

Contact Features

Contact Current Rating (Max)	5 A
Contact Retention Within Housing	Without
Contact Type	Pin

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Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Polarization
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)
Mating Retention	With
Mating Retention Type	Locking Tab

Housing Features

Centerline (Pitch)	3 mm[.118 in]
Housing Color	Black
Housing Material	Nylon 66/6

Dimensions

Insulation Diameter (Max)	1.52 mm[.06 in]
Wire Size	.051 – .517 mm²
Row-to-Row Spacing	3 mm[.118 in]
Height	6.86 mm
Length	9.85 mm

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

Industry Standards

CSA Rating	Certified
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire
Agency/Standard Number	E28476, VDE_40005280
Agency/Standard	CNR, USR
UL Rating	Recognized
CSA File Number	LR7189
VDE Tested	No

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Packaging Features

Packaging Method	Bag
Packaging Quantity	1000

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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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	Not applicable for solder process capability

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
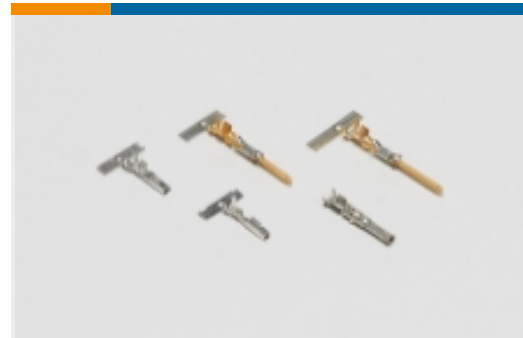
Compatible Parts

TE Part # 794617-6
6POS,MICRO MNL,RCPT HSG

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Also in the Series | Micro MATE-N-LOK

Insertion & Extraction Tools(1)

Power Contacts(26)

Rectangular Power Connectors(712)

Documents

Product Drawings

FREE HANG DBL ROW HSG 6 POS

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_794616-6_C1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_794616-6_C1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_794616-6_C1.3d_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

1773458-4_MICRO_MATE_N_LOK_CONNECTOR_SYSTEM_QRG

English

Product Specifications

Application Specification

English

Product Environmental Compliance

MD_794616-6_112520182254_dmtec

English

MD_794616-6_112520182254_dmtec

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Rectangular Power Connectors, Housing, Plug, Wire-to-Wire, 6 Position, 3 mm [.118 in] Centerline, Wire & Cable, UL 94V-0, Micro MATE-N-LOK

English