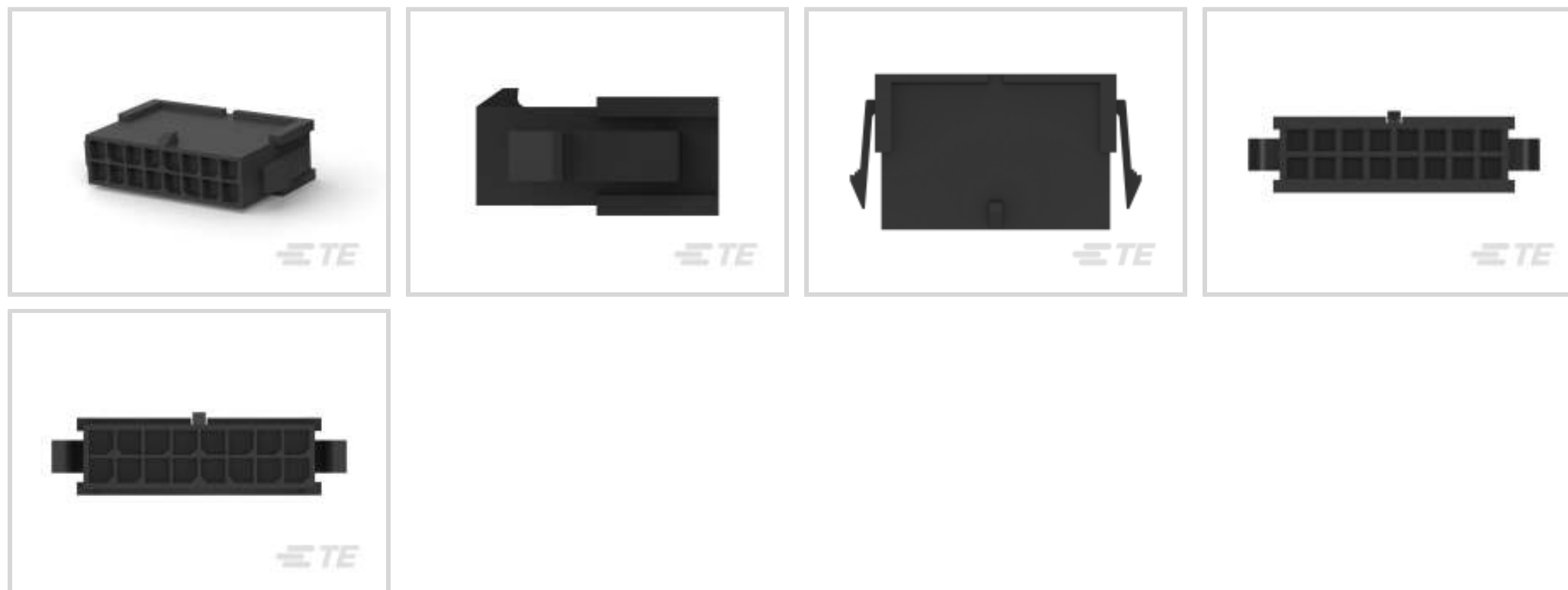# 1-794615-6  ✓ ACTIVE

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

TE Internal #: 1-794615-6

Rectangular Power Connectors, Housing, Plug, Wire-to-Panel / Wire-to-Wire, 16 Position, 3 mm [.118 in] Centerline, Wire & Cable, 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-Panel, Wire-to-Wire**

Number of Positions:  **16**

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

## Features

### Product Type Features

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

### Configuration Features

| | |
|---|---|
| Number of Positions | 16 |
| Number of Rows | 2 |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 250 VDC |

### Contact Features

| | |
|---|---|
| Contact Retention Within Housing | Without |
| Contact Type | Pin |

# 1-794615-6

Rectangular Power Connectors, Housing, Plug, Wire-to-Panel / Wire-to-Wire, 16
Position, 3 mm [.118 in] Centerline, Wire & Cable, Micro MATE-N-LOK

## Termination Features

| | |
|---|---|
| Termination Method to Wire & Cable | Crimp |

## Mechanical Attachment

| | |
|---|---|
| Strain Relief | Without |
| Mating Alignment Type | Polarization |
| Mating Retention | With |
| Mating Alignment | With |
| Panel Mount Feature | With |
| Panel Mount Feature Type | Locking Latch |
| Mating Retention Type | Locking Tab |
| Connector Mounting Type | Panel Mount |

## Housing Features

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

## Dimensions

| | |
|---|---|
| Panel Thickness (Recommended) | 1.57 – 2.3 mm[.062 – .091 in] |
| Compatible Insulation Diameter (Max) | 1.52 mm[.06 in] |
| Connector Height | 8.71 mm |
| Product Width | 16.89 mm |
| Product Length | 15.85 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 & Signal |

## Industry Standards

| | |
|---|---|
| UL Flammability Rating | UL 94V-0 |
| Glow Wire Rating | Standard Part - Not Glow Wire |

## Packaging Features

| | |
|---|---|
| Packaging Quantity | 400 |
| Packaging Method | Bag |

1-794615-6

Rectangular Power Connectors, Housing, Plug, Wire-to-Panel / Wire-to-Wire, 16
Position, 3 mm [.118 in] Centerline, Wire & Cable, Micro MATE-N-LOK

## 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 2023 (235)<br>Candidate List Declared Against: JUNE 2023 (235)<br>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
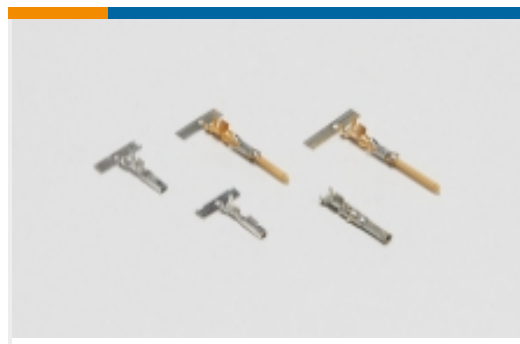
## Compatible Parts



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

## Also in the Series | Micro MATE-N-LOK

# 1-794615-6

Rectangular Power Connectors, Housing, Plug, Wire-to-Panel / Wire-to-Wire, 16 Position, 3 mm [.118 in] Centerline, Wire & Cable, Micro MATE-N-LOK

Insertion & Extraction Tools(1)

Power Contacts(27)

Rectangular Power Connectors(466)

## Customers Also Bought

TE Part #794615-4
PANEL MT DBL ROW HSG 4 POS

TE Part #794615-6
PANEL MT DBL ROW HSG 6 POS

TE Part #1-794615-0
PANEL MT DBL ROW HSG 10 POS

TE Part #1-794615-2
PANEL MT DBL ROW HSG 12 POS

TE Part #1-794615-4
PANEL MT DBL ROW HSG 14 POS

TE Part #1-794615-8
PANEL MT DBL ROW HSG 18 POS

TE Part #2-794615-0
PANEL MT DBL ROW HSG 20 POS

TE Part #2-794615-4
PANEL MT DBL ROW HSG 24 POS

TE Part #794615-8
PANEL MT DBL ROW HSG 8 POS

TE Part #2-794615-2
PANEL MT DBL ROW HSG 22 POS

## Documents

### Product Drawings
PANEL MT DBL ROW HSG 16 POS

English

### CAD Files
3D PDF

3D

Customer View Model
ENG_CVM_CVM_1-794615-6_C1.2d_dxf.zip

1-794615-6

Rectangular Power Connectors, Housing, Plug, Wire-to-Panel / Wire-to-Wire, 16 Position, 3 mm [.118 in] Centerline, Wire & Cable, Micro MATE-N-LOK

English

**Customer View Model**

ENG_CVM_CVM_1-794615-6_C1.3d_igs.zip

English

**Customer View Model**

ENG_CVM_CVM_1-794615-6_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

## Product Specifications

Application Specification

English

## Product Environmental Compliance

MD_1-794615-6_02242017333_dmtec

English

MD_1-794615-6_02242017333_dmtec

English