

770581-1 ✓ ACTIVE

MATE-N-LOK | Mini-Universal MATE-N-LOK

TE Internal #: 770581-1

Housing, Plug, Wire-to-Wire, 12 Position, 4.14 mm [.162 in]

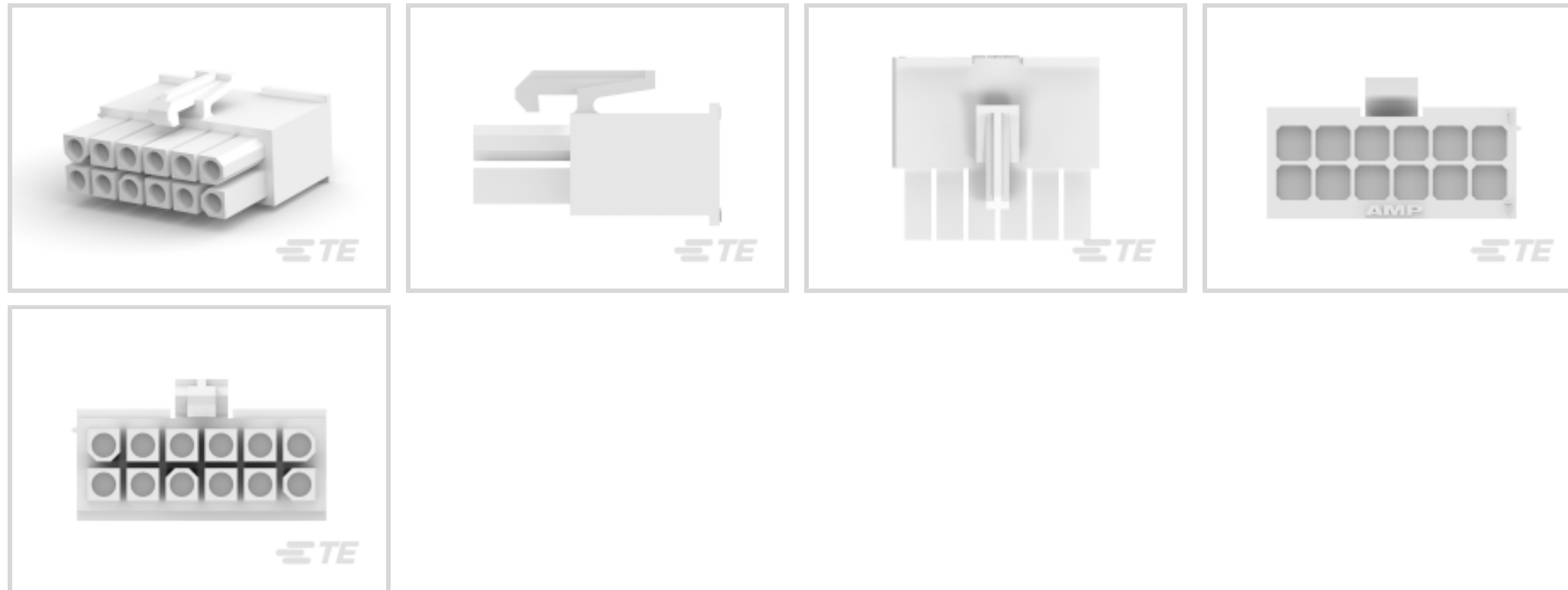
Centerline, Wire & Cable, Mini-Universal MATE-N-LOK,

Rectangular Power Connectors

[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: **12**

Centerline (Pitch): **4.14 mm [.162 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	12
Number of Rows	2

### Electrical Characteristics

Operating Voltage	600 VDC
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### Contact Features

Multiple Contact Types	Without
Contact Retention Within Housing	Without
Contact Type	Socket



### Termination Features

Termination Method to Wire & Cable	Crimp
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### Mechanical Attachment

Panel Mount Feature	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

### Housing Features

Centerline (Pitch)	4.14 mm [.162 in]
Housing Color	White
Housing Material	Nylon

### Dimensions

Row-to-Row Spacing	4.14 mm [.162 in]
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### Usage Conditions

Operating Temperature Range	-20 – 105 °C [-4 – 221 °F]
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### Operation/Application

Circuit Application	Power & Signal
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### Industry Standards

CSA Rating	Certified, LR 7189
UL Rating	Recognized
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

### Packaging Features

Packaging Quantity	1
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: 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

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 # 1-794066-1  
12P MINI UMNL HDR W/DH AU LF



TE Part # 1-770988-1  
MINI UMNL SOK 22-18AWG LP LF



TE Part # 1-770985-0  
MINI UMNL PIN 26-22AWG AU LP



TE Part # 1-770987-0  
MINI UMNL PIN 22-18 AWG AU LP



TE Part # 770988-3  
MINI UMNL SOK 22-18AWG AU LP



TE Part # 1-770988-0  
MINI UMNL SOK 22-18AWG AU



TE Part # 1-770972-0  
12P MINI UMNL R/A HDR ASSY LF



TE Part # 1-794059-0  
MINI UMNL PIN L/P LF




TE Part # 770988-1  
MINI UMNL SOK 22-18AWG SN LP



TE Part # 770986-1  
MINI UMNL SOK 26-22AWG SN LP



TE Part # 794058-1  
MINI UMNL SOK L/P



TE Part # 1-794066-0  
12P MINI UMNL HDR W/DH SN LF



TE Part # 170365-3  
MINI UNIVERSAL M-N-L SOCKET LP



TE Part # 170364-3  
MINI UNIVERSAL M-N-L PIN LP



TE Part # 770985-1  
MINI UMNL PIN 26-22AWG SN LP



TE Part # 1-770621-0  
12P MINI UMNL DBL ROW HDR ASSY



TE Part # 1-794407-1  
MINI UMNL SOK 20-16 AWG AU LF



TE Part # 170363-3  
MINI UNIVERSAL M-N-L PIN LP




TE Part # 171638-1  
MINI U-M-N-L PIN CONT. L.P




TE Part # 171639-1  
MINI U-M-N-L SOCKET LP


Also in the Series | Mini-Universal MATE-N-LOK




Connector Caps & Covers(2)




Connector Contacts(89)




Connector Hardware(4)




Connector Seals & Cavity Plugs(17)



Connector Strain Relief(2)



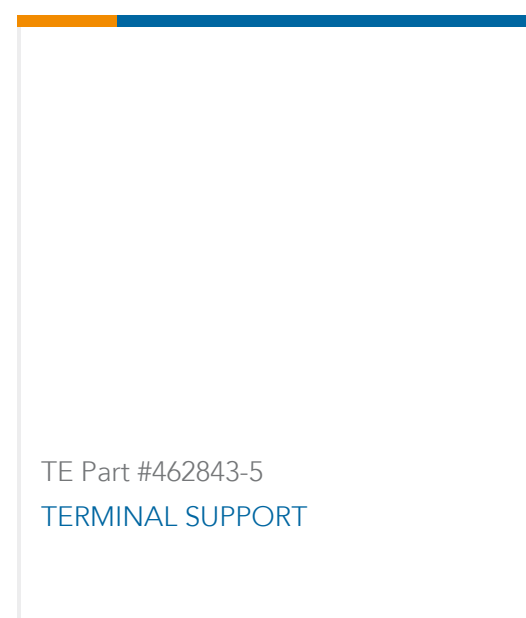
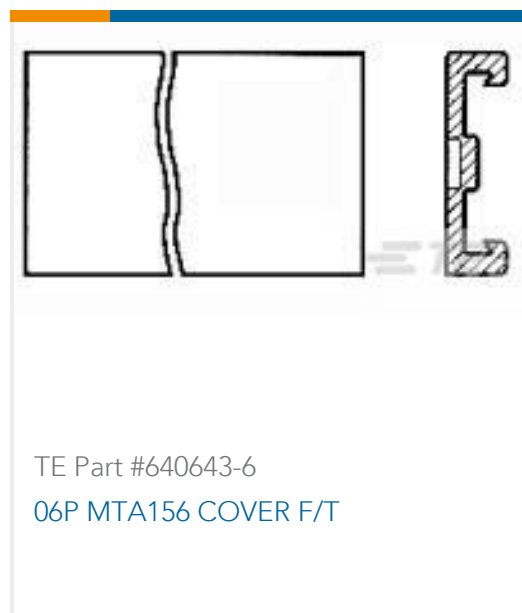
Insertion & Extraction Tools(1)



Rectangular Power Connectors(197)

Customers Also Bought





## Documents

### Product Drawings

#### 12P MINI UMNL PLUG HSG

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_770581-1\\_P.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_770581-1\\_P.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_770581-1\\_P.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

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### Product Specifications

[Engineering Report](#)

English

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### Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

[Instruction Sheet \(U.S.\)](#)

English

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### Agency Approvals

[Agency Approval Document](#)

English