

172169-1 ✓ ACTIVE

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

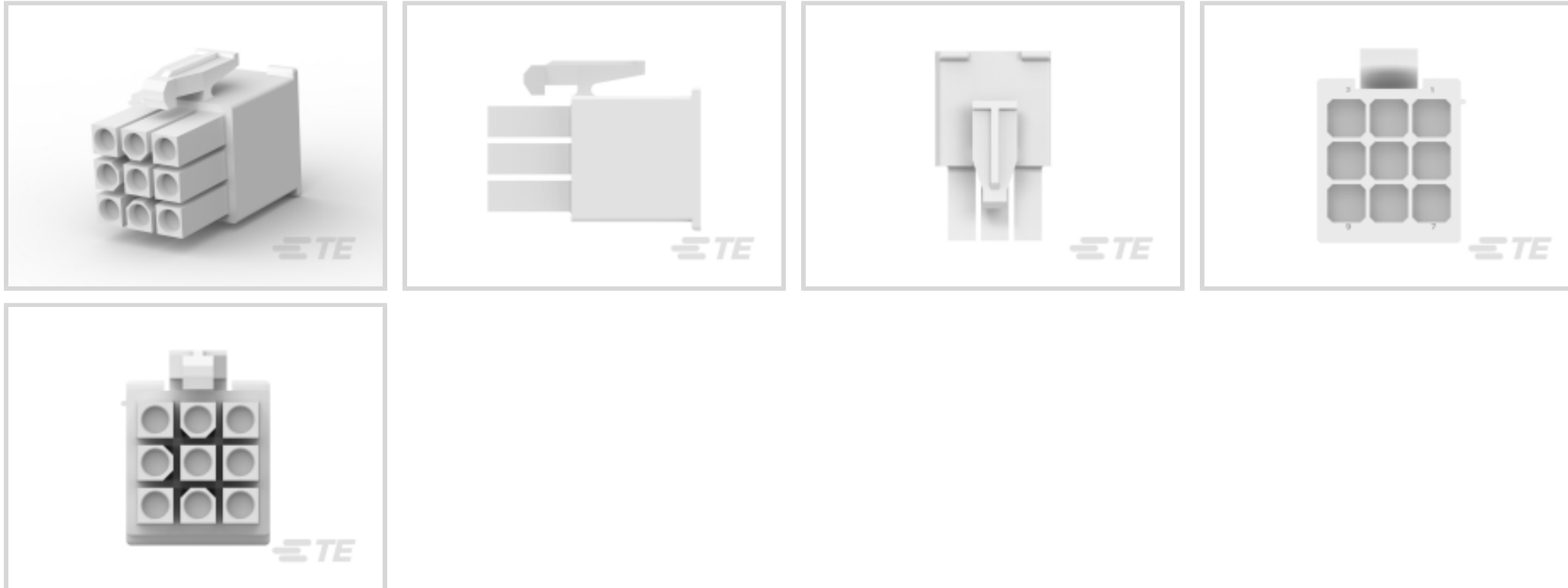
TE Internal #: 172169-1

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire, 9 Position, .165 in [4.2 mm] Centerline, Wire & Cable, UL 94V-0, Mini-Universal 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: **9**

Centerline (Pitch): **4.2 mm [.165 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	9
Number of Rows	3

Electrical Characteristics

Operating Voltage	600 VDC
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Contact Features

Multiple Contact Types	Without
Contact Layout	Matrix
Contact Retention Within Housing	Without



Contact Type	Socket
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Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

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

Centerline (Pitch)	4.2 mm [.165 in]
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Housing Color	Natural
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Housing Material	Nylon 66
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Dimensions

Row-to-Row Spacing	4.2 mm [.165 in]
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Usage Conditions

Operating Temperature Range	-20 – 105 °C [-4 – 221 °F]
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Insertion Force	6.4 kg
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Operation/Application

Assembly Integration Feature	Without
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Circuit Application	Power & Signal
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Industry Standards

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

Packaging Method	Bag
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Packaging Quantity	500
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Other



For Use With	Mini-Universal MATE-N-LOK Cap Housing /PC Board Pin Headers
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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: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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

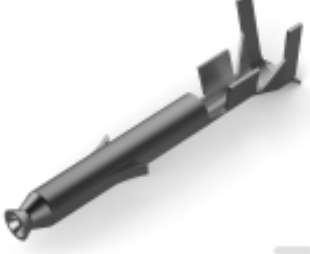

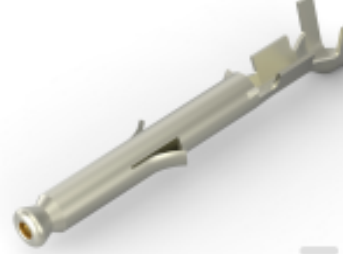
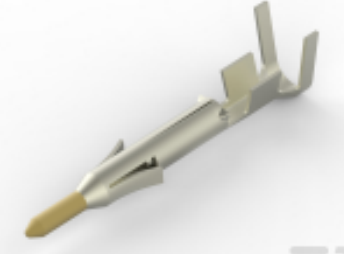


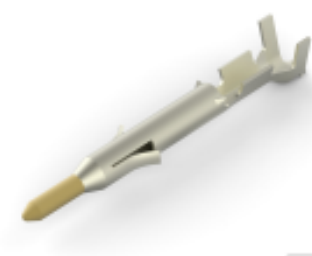
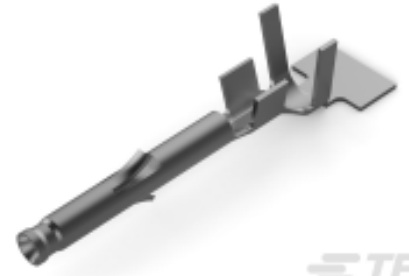
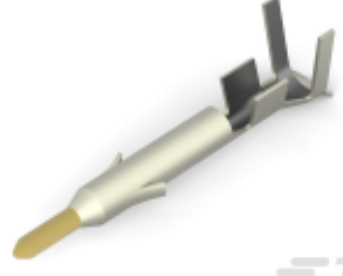




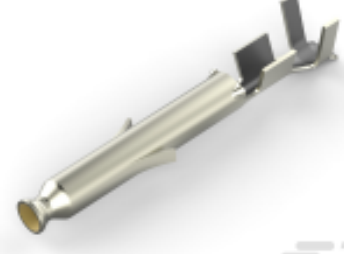


Product Compliance Disclaimer

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>



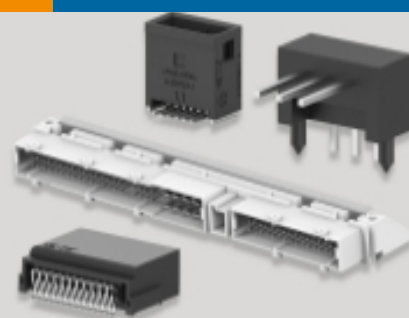

Compatible Parts

 <p>TE Part # 1-770985-0 MINI UMNL PIN 26-22AWG AU LP</p>	 <p>TE Part # 1-770987-0 MINI UMNL PIN 22-18 AWG AU LP</p>	 <p>TE Part # 770988-3 MINI UMNL SOK 22-18AWG AU LP</p>	 <p>TE Part # 1-794059-0 MINI UMNL PIN L/P LF</p>
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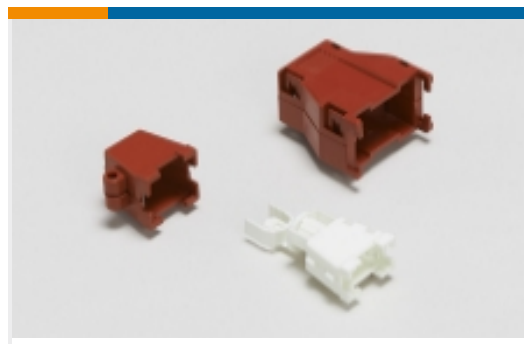
 <p>TE Part # 770988-1 MINI UMNL SOK 22-18AWG SN LP</p>	 <p>TE Part # 770986-1 MINI UMNL SOK 26-22AWG SN LP</p>	 <p>TE Part # 170365-3 MINI UNIVERSAL M-N-L SOCKET LP</p>	 <p>TE Part # 170364-3 MINI UNIVERSAL M-N-L PIN LP</p>
 <p>TE Part # 770985-1 MINI UMNL PIN 26-22AWG SN LP</p>	 <p>TE Part # 1-794407-1 MINI UMNL SOK 20-16 AWG AU LF</p>	 <p>TE Part # 170363-3 MINI UNIVERSAL M-N-L PIN LP</p>	 <p>TE Part # 171639-1 MINI U-M-N-L SOCKET LP</p>
 <p>TE Part # 770903-3 MINI UMNL PIN 22-18 AWG AU</p>	 <p>TE Part # 1-770182-0 09P MINI-UMNL ASSY VO SNNI</p>	 <p>TE Part # 1-770876-0 09P MINI UMNL HDR ASSY SN</p>	 <p>TE Part # 1-770876-1 09P MINI UMNL HDR ASSY AU LF</p>
 <p>TE Part # 170364-1 MINI UNIVERSAL M-N-L PIN LP</p>	 <p>TE Part # 1-770902-1 MINI UMNL SOK 26-22 AWG AU LF</p>	 <p>TE Part # 1-770182-1 09P MINI UMNL ASSY VO SNAU LF</p>	 <p>TE Part # 170366-1 MINI UNIVERSAL M-N-L SOCKET LP</p>

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

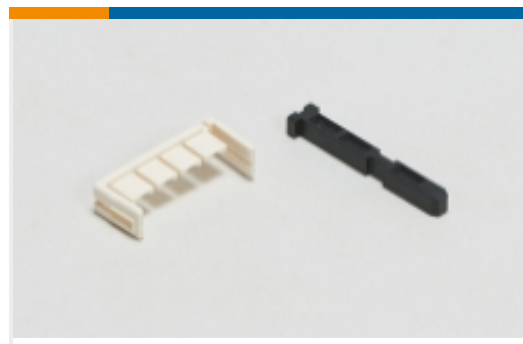
 <p>Connector Contacts(11)</p>	 <p>Insertion & Extraction Tools(1)</p>	 <p>PCB Headers & Receptacles(1)</p>	 <p>Power Contacts(85)</p>
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Rectangular Backshells & Clamps(2)



Rectangular Boots & Strain Relief(2)



Rectangular Connector Keying Plugs(2)



Rectangular Connector Locking(2)



Rectangular Connector Seals(20)



Rectangular Power Connectors(283)

Customers Also Bought



TE Part #172171-1
15 CIR UNIV M-N-L PLUG



TE Part #172162-1
12 CIR UNIV M-N-L CAP



TE Part #172158-1
3 CIR UNIV M-N-L CAP



TE Part #172157-1
2CIR MINI U-M-N-L CAP NATL



TE Part #172159-1
4 CIR UNIV M-N-L CAP



TE Part #172167-1
4 CIR UNIV M-N-L PLUG



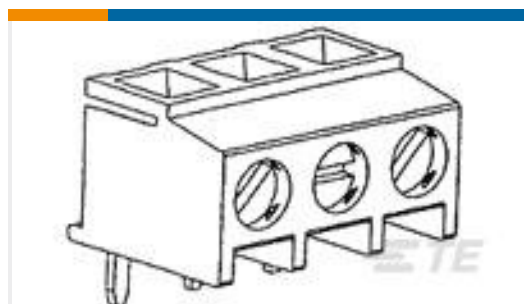
TE Part #172166-1
3 CIR UNIV M-N-L PLUG



TE Part #172165-1
2 CIR UNIV M-N-L PLUG NATL



TE Part #172168-1
6 CIR UNIV M-N-L PLUG



TE Part #1-284093-2
TERMI-BLOK PCB MOUNT 90, 5,0MM

Documents



Product Drawings

9 CIR UNIV M-N-L PLUG

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_172169-1_L.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_172169-1_L.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_172169-1_L.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

[1-1773458-0_MINI_UNIVERSAL_MATE_N_LOK_CONNECTOR_SYSTEM_QRG](#)

English

Product Specifications

Application Specification

English

Product Environmental Compliance

[MD_172169-1_0606201877_dmtec](#)

English

[MD_172169-1_0606201877_dmtec](#)

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

Agency Approval Document

English

Agency Approval Document

English