

172333-1 ✓ ACTIVE

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

TE Internal #: 172333-1

Rectangular Power Connectors, Housing, Receptacle, Wire-to-Panel / Wire-to-Wire, 12 Position, .165 in [4.2 mm] Centerline, Mini-Universal MATE-N-LOK

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Receptacle**

Connector System: **Wire-to-Panel, Wire-to-Wire**

Number of Positions: **12**

Centerline (Pitch): **4.2 mm [.165 in]**

Features

Product Type Features

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

Configuration Features

Number of Positions	12
Number of Rows	3

Electrical Characteristics

Operating Voltage	600 VDC
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Contact Features

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



Contact Type	Pin
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Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Panel Mount Feature	With
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Panel Mount Feature Type	Mounting Ears
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Connector Mounting Type	Panel Mount
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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 6/6
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Dimensions

Row-to-Row Spacing	4.2 mm [.165 in]
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Panel Thickness	.8 – 2 mm [.8 – 2 in]
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Usage Conditions

Operating Temperature Range	-20 – 105 °C [-4 – 221 °F]
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Insertion Force	9 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-2
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Glow Wire Rating	Standard Part - Not Glow Wire
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Agency/Standard Number	E28476
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Agency/Standard	CSA, UL
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UL Rating	Recognized
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CSA File Number	LR7189
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VDE Tested	No
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Packaging Features

Packaging Method	Bag
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Packaging Quantity 500

Other

For Use With Plug Housing

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

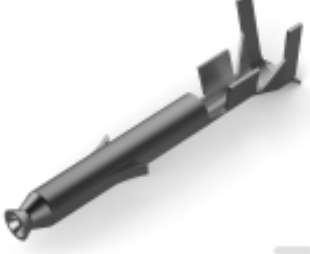

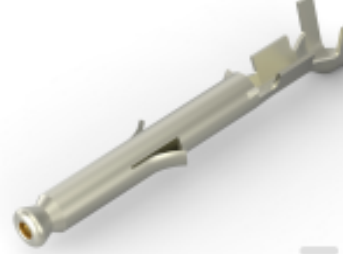
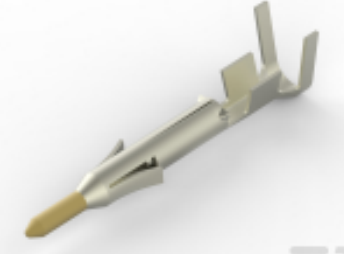


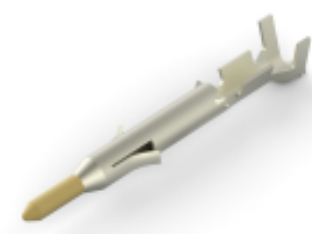
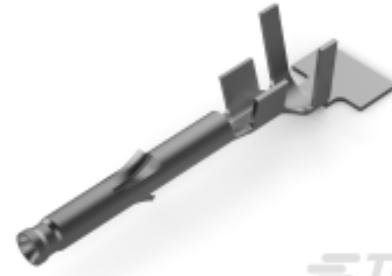
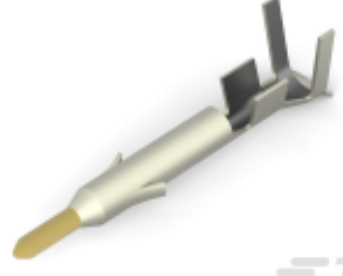
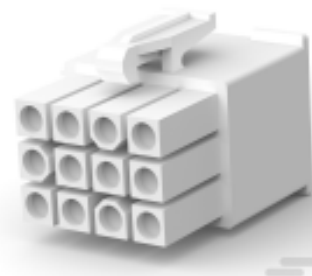

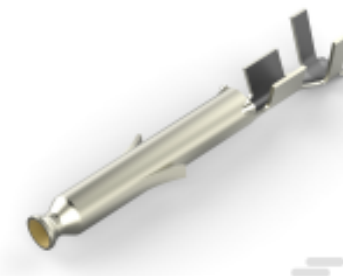



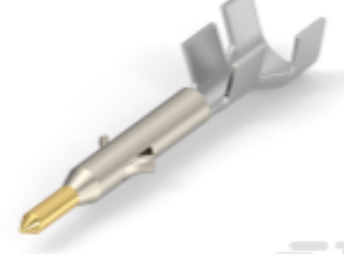
Product Compliance Disclaimer

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>



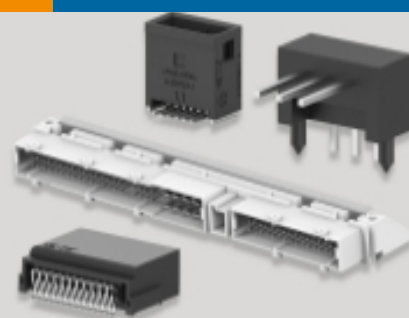

Compatible Parts

 <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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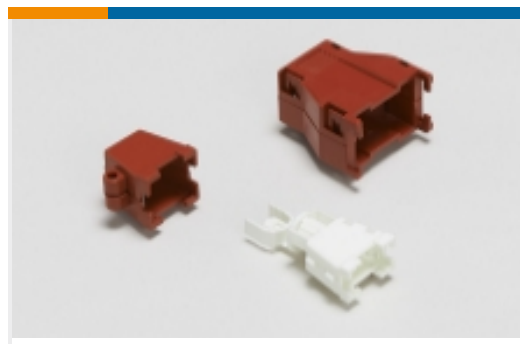
 <p>TE Part # 770988-1 MINI UMNL SOK 22-18AWG SN LP</p>	 <p>TE Part # 770986-1 MINI UMNL SOK 26-22AWG SN LP</p>	 <p>TE Part # 170365-3 MINI UNIVERSAL M-N-L SOCKET LP</p>	 <p>TE Part # 170364-3 MINI UNIVERSAL M-N-L PIN LP</p>
 <p>TE Part # 770985-1 MINI UMNL PIN 26-22AWG SN LP</p>	 <p>TE Part # 1-794407-1 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 # 172341-1 MINI UMNL PLUG HOUSING 12P</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 # 170366-1 MINI UNIVERSAL M-N-L SOCKET LP</p>	 <p>TE Part # 170363-1 MINI UNIVERSAL M-N-L PIN LP</p>	 <p>TE Part # 170365-1 MINI UNIVERSAL M-N-L SOCKET LP</p>	 <p>TE Part # 794406-3 MINI UMNL CONT 20-16AWG AU</p>

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

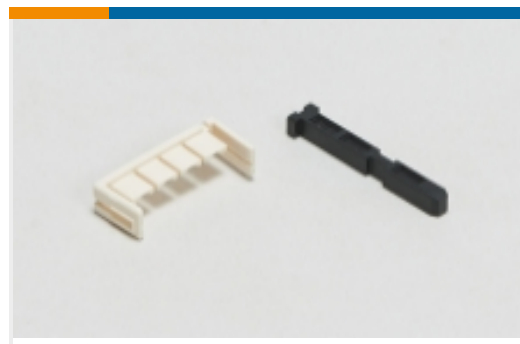
 <p>Connector Contacts(11)</p>	 <p>Insertion & Extraction Tools(1)</p>	 <p>PCB Headers & Receptacles(1)</p>	 <p>Power Contacts(85)</p>
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Rectangular Backshells & Clamps(2)



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



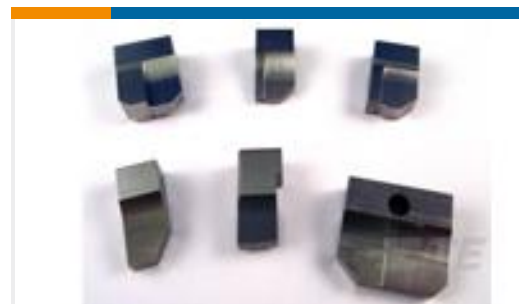
TE Part #172342-1
MINI UMNL PLUG HOUSING 15P



TE Part #172334-1
MINI UMNL CAP HOUSING 15P



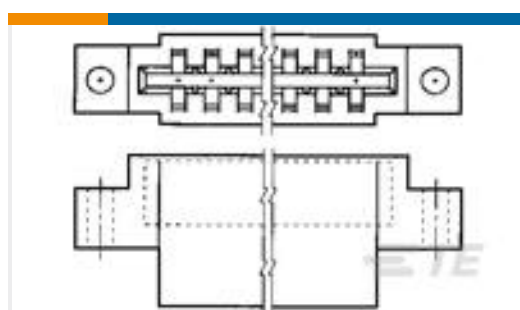
TE Part #172339-1
MINI UMNL PLUG HOUSING 6P



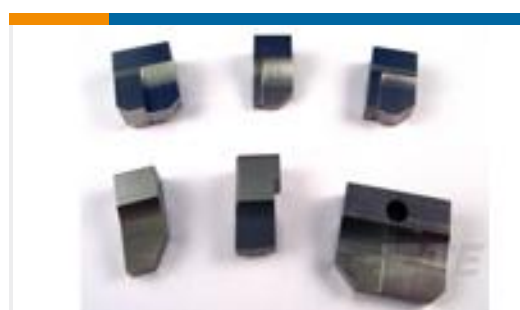
TE Part #1338690-9
ANVIL, COMBINATION .055



TE Part #1633966-1
CRIMPER, INSUL O



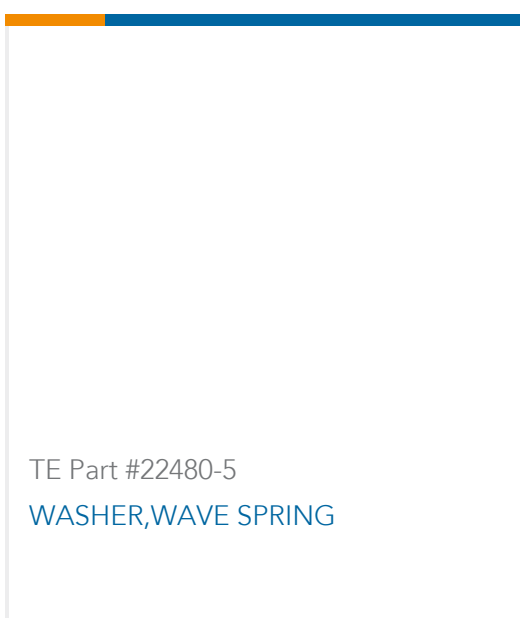
TE Part #2-583859-3
HOUSING



TE Part #4-458834-8
ANVIL COMB



TE Part #690124-1
WASHER, RAM (.1150 THK.)



TE Part #22480-5
WASHER, WAVE SPRING



TE Part #986950-1
WASHER, FLAT, PRECISION

Documents



Product Drawings

MINI UNIVERSAL M-N-L HOUSING

English

CAD Files

3D PDF

English

Customer View Model

[ENG_CVM_172333-1_A1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_172333-1_A1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_172333-1_A1.3d_stp.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_172333-1_F.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_172333-1_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_172333-1_F.3d_stp.zip](#)

English

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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_172333-1_01212015210_dmtec](#)

English

[MD_172333-1_01212015210_dmtec](#)

English

Instruction Sheets



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

English

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