

1-480707-0 ✓ ACTIVE

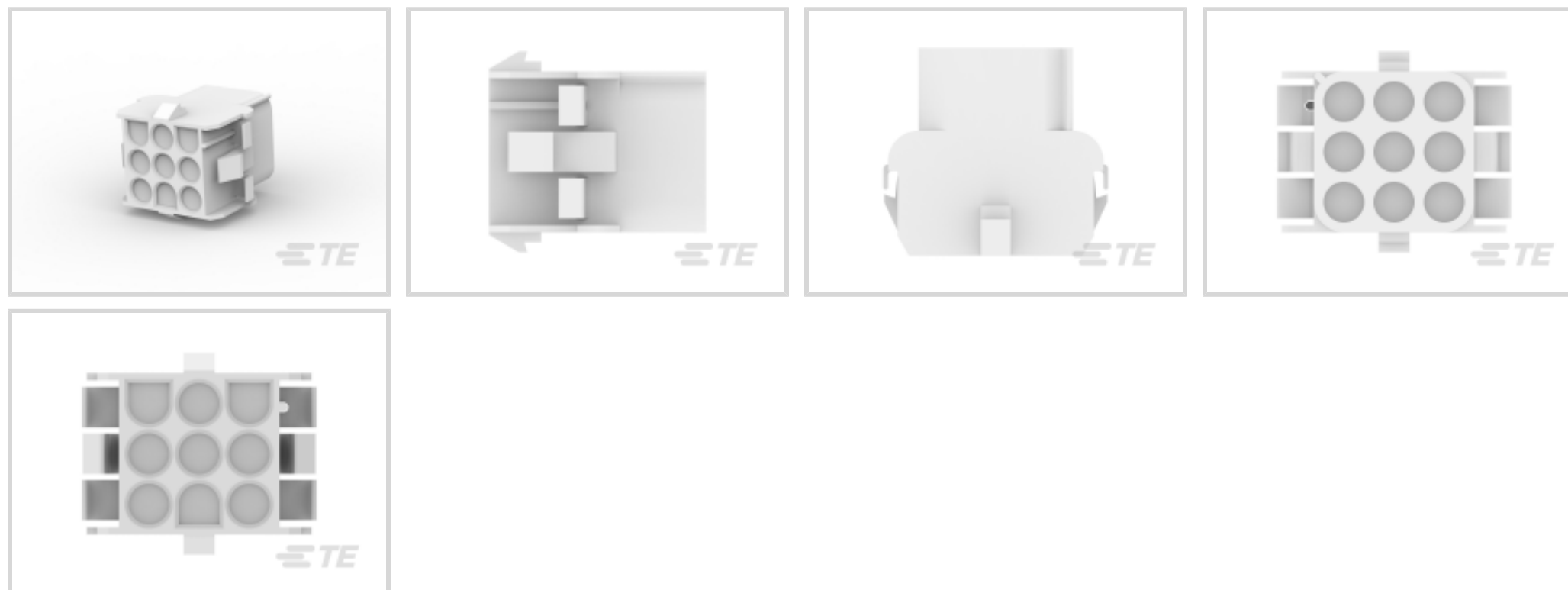
MATE-N-LOK | Universal MATE-N-LOK

TE Internal #: 1-480707-0

Universal MATE-N-LOK, Rectangular Power Connectors, Housing, Receptacle, Wire-to-Panel / Wire-to-Wire, 9 Position, .25 in [6.35 mm] Centerline



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: **9**

Centerline (Pitch): **6.35 mm [.25 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	9
Number of Power Positions	0
Number of Signal Positions	0
Number of Rows	3

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Contact Layout	Matrix
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Multiple Contact Types	Without
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Contact Retention Within Housing	Without
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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	Patch & Tabs
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Connector Mounting Type	Panel Mount
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Housing Features

Centerline (Pitch)	6.35 mm [.25 in]
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Housing Color	Natural
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Housing Material	Nylon
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Dimensions

Row-to-Row Spacing	6.35 mm [.25 in]
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Width	20.32 mm
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Panel Thickness	.76 – 2.29 mm [.03 – .09 in]
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Height	27.43 mm
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Length	20.7 mm
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Usage Conditions

Operating Temperature Range	-55 – 105 °C [-67 – 221 °F]
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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	Yes
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Packaging Features

Packaging Method	Package
Packaging Quantity	1

Other

For Use With	Appropriate Universal MATE-N-LOK Plug
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Product Compliance



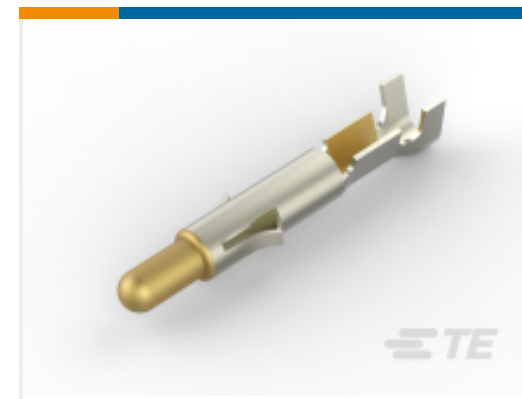




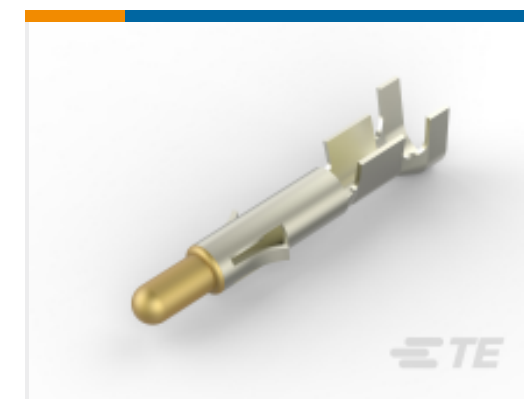












EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2022 (223) Candidate List Declared Against: JAN 2022 (223) Does not 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 # 640309-6 UMNL PIN 12-10 AU/PHBZ</p>	 <p>TE Part # 350551-6 UMNL SOK 20-14 AU/PHBZ L/P</p>	 <p>TE Part # 350690-2 UMNL PIN 24-18 AUBR L/P</p>	 <p>TE Part # 926902-3 UNIV-MNL SPLIT ST</p>
 <p>TE Part # 350550-7 UMNL SOK 20-14 AU/BR L/P</p>	 <p>TE Part # 350690-3 UMNL PIN 24-18 PTPPHBZ L/P</p>	 <p>TE Part # 350689-7 UMNL SOK 24-18 AUBR L/P</p>	 <p>TE Part # 350547-7 UMNL PIN 20-14 AUBR L/P</p>
 <p>TE Part # 350689-2 UMNL SOK 24-18 AUBR L/P</p>	 <p>TE Part # 350689-3 UMNL SOK 24-18 PTPPHBZ L/P</p>	 <p>TE Part # 350690-7 UMNL PIN 24-18 AUBR L/P</p>	 <p>TE Part # 350689-1 UMNL SOK 24-18 PTPBR L/P</p>
 <p>TE Part # 926893-3 UNIV.M-N-L.SOCKET</p>	 <p>TE Part # 350550-6 UMNL SOK 20-14 AU/PHBZ L/P</p>	 <p>TE Part # 350705-7 UMNL SPLIT PIN 20-14 AUBR L/P</p>	 <p>TE Part # 350547-3 UMNL PIN 20-14 PTPPHBZ L/P</p>
 <p>TE Part # 350551-7 UMNL SOK 20-14 AU/BR L/P</p>	 <p>TE Part # 350547-2 UMNL PIN 20-14 AUBR L/P</p>	 <p>TE Part # 770672-1 UMNL PIN 30-26 PTPBR L/P</p>	 <p>TE Part # 350547-6 UMNL PIN 20-14 AU/PHBZ L/P</p>

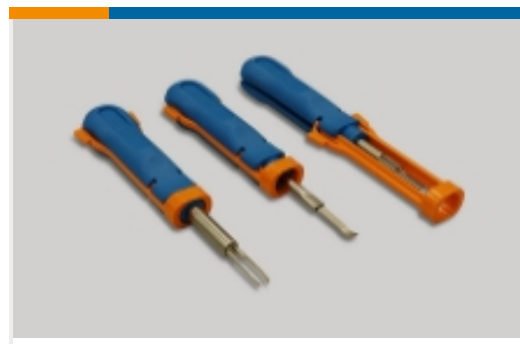
Also in the Series | [Universal MATE-N-LOK](#)



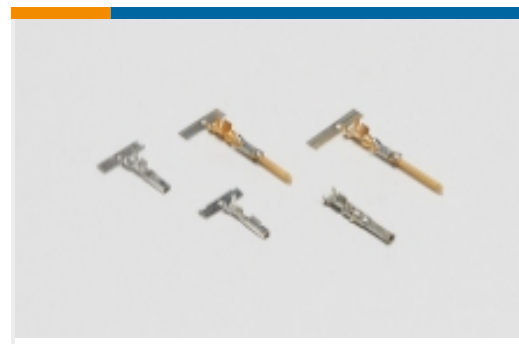
Circular Power Connectors(2)



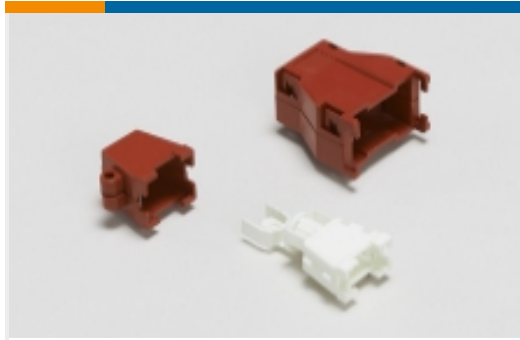
Connector Contacts(11)



Insertion & Extraction Tools(4)



Power Contacts(207)



Rectangular Boots & Strain Relief(35)



Rectangular Connector Adapters(7)



Rectangular Connector Hardware(1)



Rectangular Connector Housings(2)



Rectangular Connector Keying Plugs(3)



Rectangular Connector Locking(4)



Rectangular Connector Seals(26)



Rectangular Power Connectors(722)

Customers Also Bought



TE Part #1-480711-0
15P UMNL CAP HSG NATL



TE Part #1-480702-0
04P UMNL PLUG HSG NATL



TE Part #1-480699-0
02P UMNL CAP HSG NATL



TE Part #1-480708-0
12P UMNL PLUG HSG NATL



TE Part #1-480704-0
06P UMNL PLUG HSG NATL



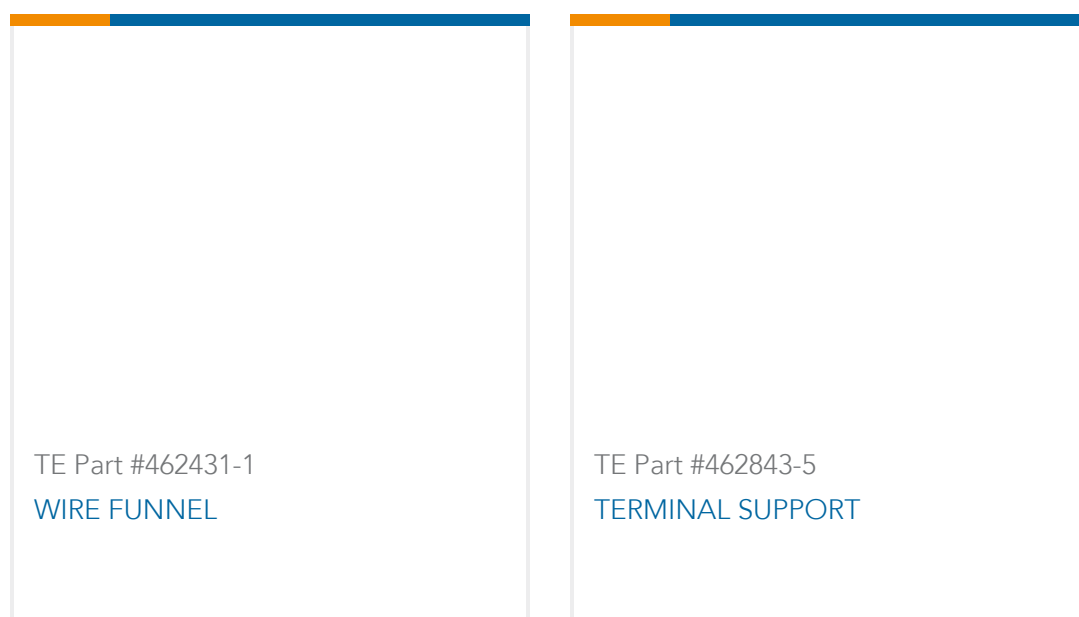
TE Part #1-480709-0
12P UMNL CAP HSG NATL



TE Part #1-480701-0
03P UMNL CAP HSG NATL



TE Part #1-480700-0
03P UMNL PLUG HSG NATL



Documents

Product Drawings

[09P UMNL CAP HSG NATL](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-480707-0_BS.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-480707-0_BS.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-480707-0_BS.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_SOCKET_CONNECTORS_STANDARD_DENSITY](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[MD_1-480707-0_020620182337_dmtec](#)

English

[MD_1-480707-0_020620182337_dmtec](#)

English

Instruction Sheets

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

English

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



English

[Agency Approvals](#)

[UL Report](#)

English