

1-480707-2 ✓ ACTIVE

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

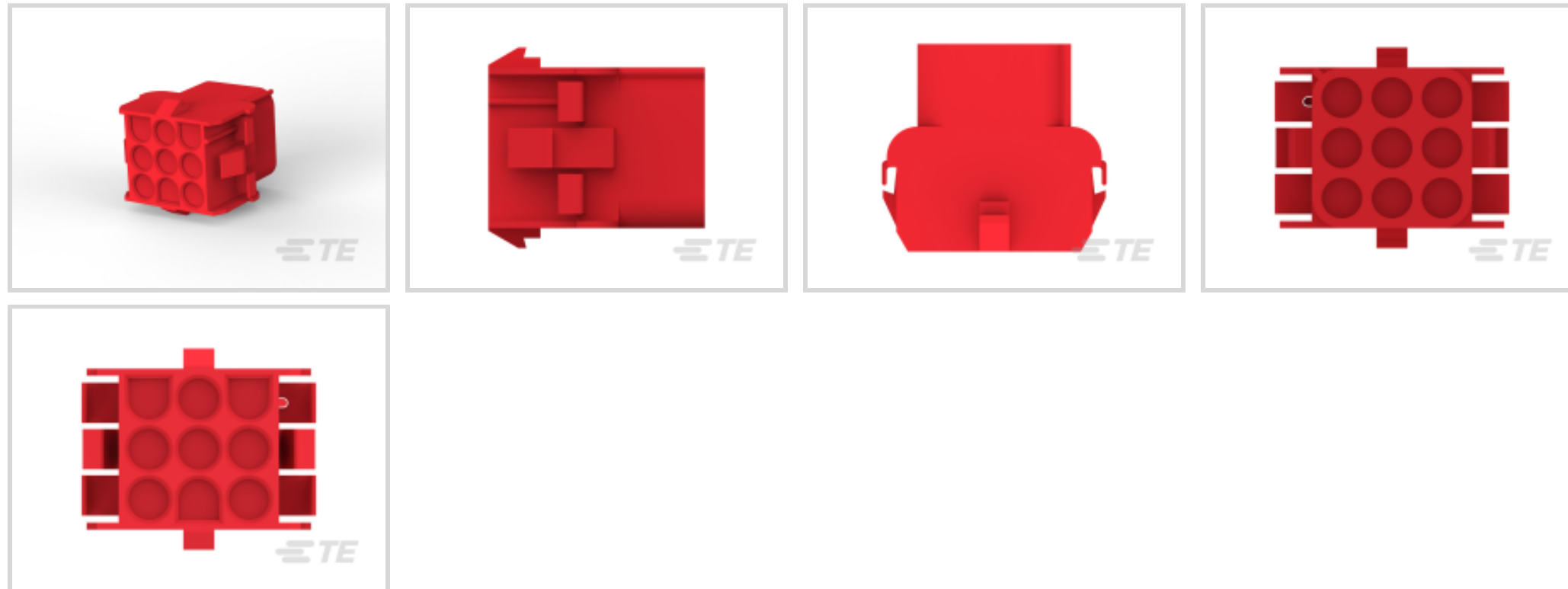
TE Internal #: 1-480707-2

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

[View on TE.com >](#)



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

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

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Panel Mount Feature	With
Panel Mount Feature Type	Patch & Tabs
Connector Mounting Type	Panel Mount

Housing Features

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

Dimensions

Panel Thickness (Recommended)	.76 – 2.29 mm [.03 – .09 in]
Connector Height	27.43 mm [1.08 in]
Product Width	20.32 mm
Product Length	20.7 mm [.815 in]
Row-to-Row Spacing	6.35 mm [.25 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C [-67 – 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
Agency/Standard	CSA, UL, VDE
Approved Standards	UL E28476
UL Flammability Rating	UL 94V-2
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: JAN 2023 (233) Candidate List Declared Against: JAN 2023 (233) 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














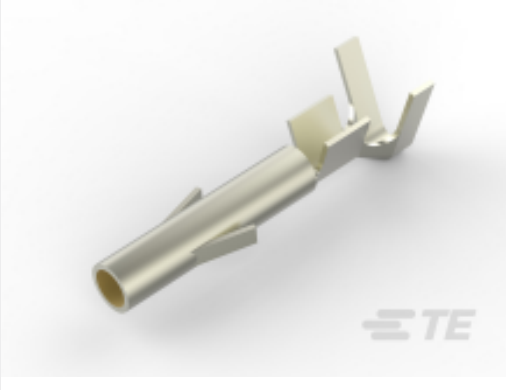
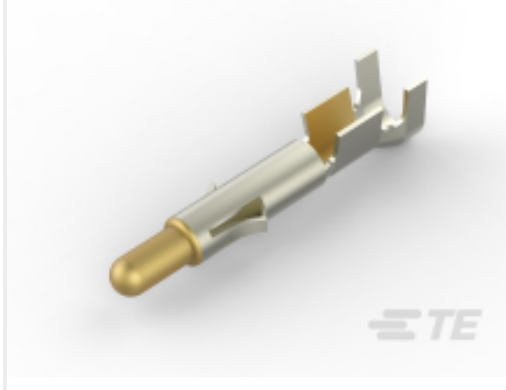

Product Compliance Disclaimer

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>




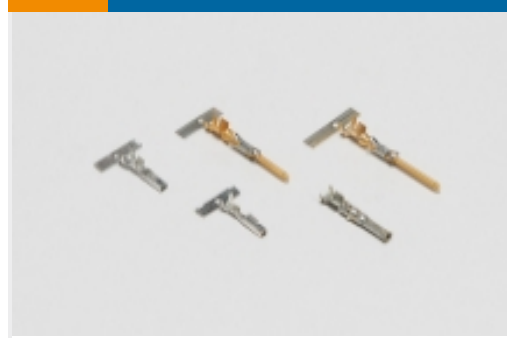
Compatible Parts

 <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>
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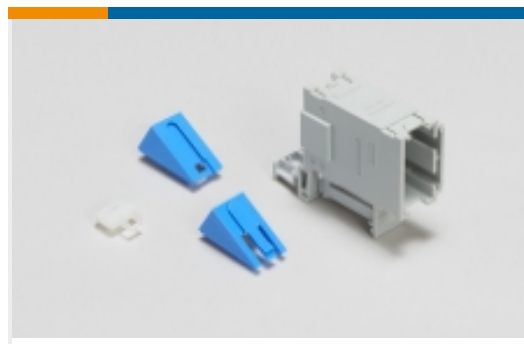
 <p>TE Part # 350550-7 UMNL SOK 20-14 AU/BR L/P</p>	 <p>TE Part # 350690-3 UMNL PIN 24-18 PTPPHBZ L/P</p>	 <p>TE Part # 350689-7 UMNL SOK 24-18 AUBR L/P</p>	 <p>TE Part # 350547-7 UMNL PIN 20-14 AUBR L/P</p>
 <p>TE Part # 350689-2 UMNL SOK 24-18 AUBR L/P</p>	 <p>TE Part # 640310-3 UMNL SOK 12-10 PTPPHBZ</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 # 350550-2 UMNL SOK 20-14 AU/BR L/P</p>

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

 <p>Circular Power Connectors(2)</p>	 <p>Connector Contacts(7)</p>	 <p>Insertion & Extraction Tools(4)</p>	 <p>Power Contacts(201)</p>
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Rectangular Boots & Strain Relief(34)



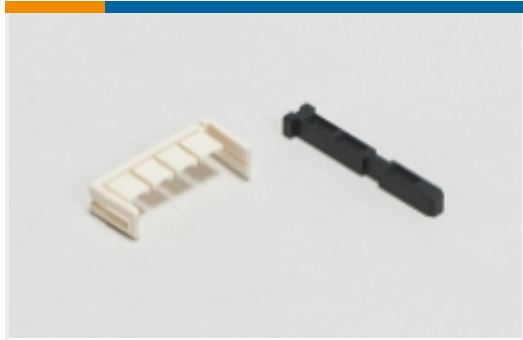
Rectangular Connector Adapters(7)



Rectangular Connector Hardware(1)



Rectangular Connector Housings(1)



Rectangular Connector Keying Plugs(3)



Rectangular Connector Seals(26)



Rectangular Power Connectors(662)

Customers Also Bought



TE Part #1-480704-2
06P UMNL PLUG HSG RED



TE Part #1-350777-2
02P UMNL V0 PLUG HSG RED



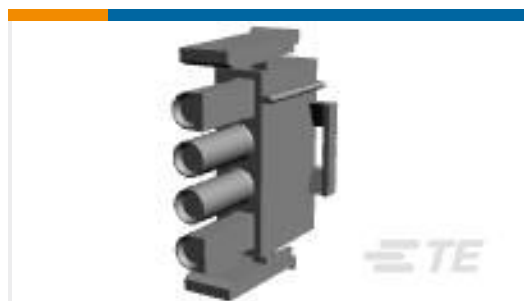
TE Part #770055-1
12P UMNL II CAP-FRONT 94VO



TE Part #1-480700-2
03P UMNL PLUG HSG RED



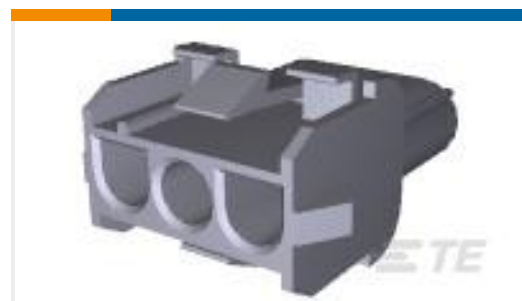
TE Part #1-480700-9
03P UMNL PLUG HSG BLK



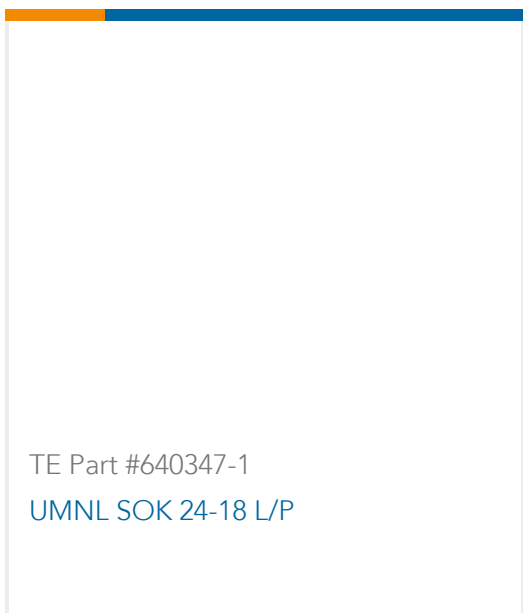
TE Part #1-480702-9
04P UMNL PLUG HSG BLK



TE Part #1-480703-1
04P UMNL CAP HSG BRN



TE Part #1-480701-1
03P UMNL CAP HSG BRN



TE Part #640347-1
UMNL SOK 24-18 L/P

Documents



Product Drawings

09P UMNL CAP HSG RED

English

CAD Files

3D PDF

3D

Customer View Model

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

English

Customer View Model

[ENG_CVM_CVM_1-480707-2_BS.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-480707-2_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

TE Material Declaration

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Instruction Sheet (U.S.)

English