

770016-1 ✓ ACTIVE

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

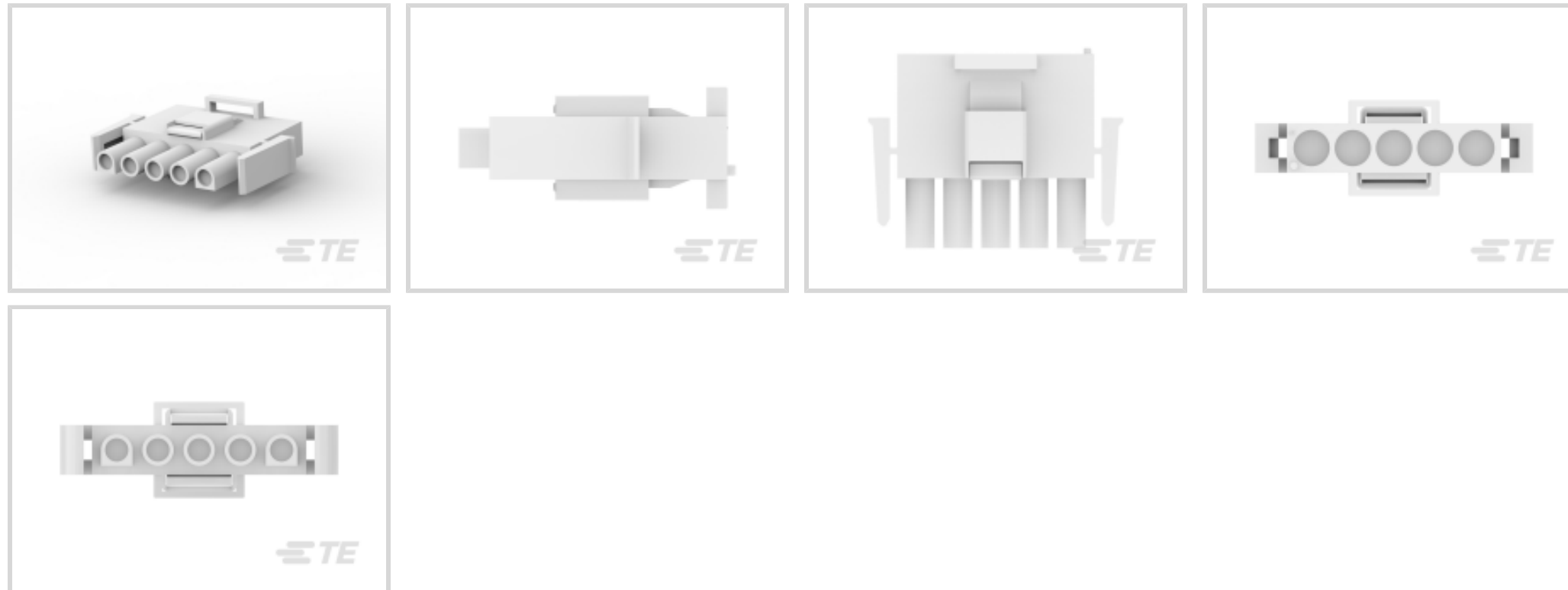
TE Internal #: 770016-1

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire, 5 Position, 6.35 mm [.25 in] Centerline, Wire & Cable, UL 94V-0, 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: **5**

Centerline (Pitch): **6.35 mm [.25 in]**

Features

Product Type Features

Assembly Requirement	Unassembled Kit
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	5
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Multiple Contact Types	Without
Contact Layout	Inline



Contact Retention Within Housing	Without
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Contact Type	Socket
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Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

Centerline (Pitch)	6.35 mm [.25 in]
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Housing Color	White
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Housing Material	Nylon
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Usage Conditions

Operating Temperature Range	-55 – 120 °C [-67 – 248 °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

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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VDE Tested	Yes
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Agency/Standard	UL
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Packaging Features

Packaging Method	Package
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Packaging Quantity	1
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Other

For Use With	Standard Universal MATE-N-LOK Connectors
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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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

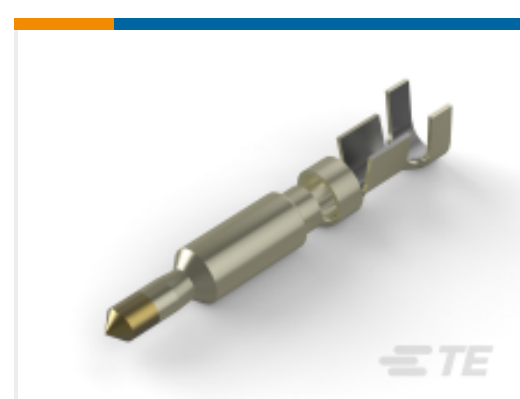
Solder Process Capability

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>

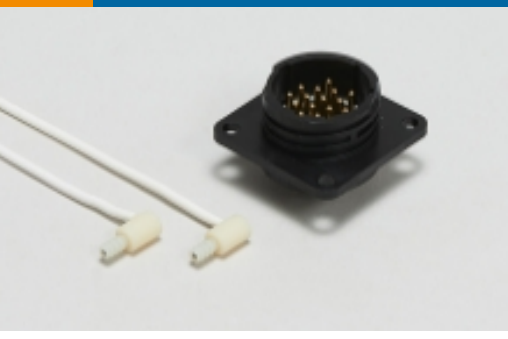


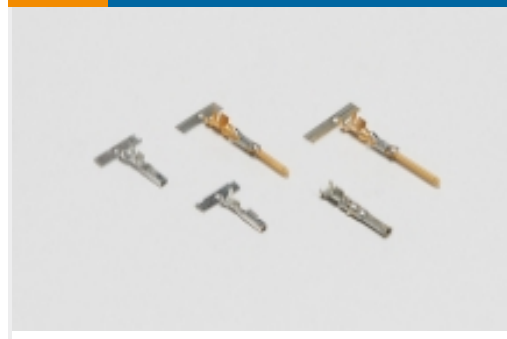




Compatible Parts

TE Part # 194018-1
PIN ASSY..070TE Part # 770253-3
UMNL II SOK PTPPHBZ LP 24-18TE Part # 770247-3
UMNL II SOK PTPPHBZ LP 12-10TE Part # 1-770251-0
UMNLII SOK PTPPHBZ LP LF 20-14TE Part # 770252-1
UMNL II PIN PTPBR LP 24-18TE Part # 1-770250-0
UMNL II PIN SN/AUNI/BR LP20-14TE Part # 770250-1
UMNL II PIN PTPBR LP 20-14TE Part # 770251-3
UMNL II SOK PTPPHBZ LP 20-14



 <p>TE Part # 640901-3 05P UMNL HDR ASSY 94VO LF</p>	 <p>TE Part # 1-770005-0 UMNL II PIN AUSN/NI/BR</p>	 <p>TE Part # 3-350945-0 05P UMNL HDR ASSY R/A 94VO LF</p>	 <p>TE Part # 640900-1 05P UMNL PIN HDR ASSY 94VO</p>
 <p>TE Part # 350810-1 05P UMNL CAP HSG</p>	 <p>TE Part # 1-350945-0 05P UMNL HDR ASSY R/A 94VO</p>	 <p>TE Part # 643232-1 05P UMNL HDR ASSY R/A 94VO</p>	 <p>TE Part # 643406-1 05P UMNL PIN HDR ASSY POL 94VO</p>
 <p>TE Part # 640901-1 05P UMNL SOK HDR ASSY 94VO</p>	 <p>TE Part # 1-770009-0 UMNL II PIN AUSN/NI/BR</p>	 <p>TE Part # 1-770247-0 UMNL II SOK SN/AUNI/PHBZ LP</p>	 <p>TE Part # 770003-3 UMNL II PIN PTPPHBZ</p>

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

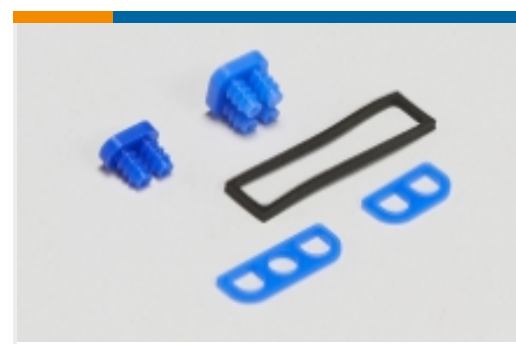
 <p>Circular Power Connectors(2)</p>	 <p>Connector Contacts(11)</p>	 <p>Insertion & Extraction Tools(4)</p>	 <p>Power Contacts(207)</p>
 <p>Rectangular Boots & Strain Relief(35)</p>	 <p>Rectangular Connector Adapters(7)</p>	 <p>Rectangular Connector Hardware(1)</p>	 <p>Rectangular Connector Housings(2)</p>



Rectangular Connector Keying Plugs(3)



Rectangular Connector Locking(4)



Rectangular Connector Seals(26)



Rectangular Power Connectors(728)

Documents

Product Drawings

05P UMNLII IN-LNE PLUG HSG KIT

English

CAD Files

Customer View Model

[ENG_CVM_CVM_770016-1_F.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_770016-1_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_770016-1_F.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

Agency Approvals

VDE Certificate

English

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