

770007-1 ✓ ACTIVE

MATE-N-LOK | Universal MATE-N-LOK, Universal MATE-N-LOK II

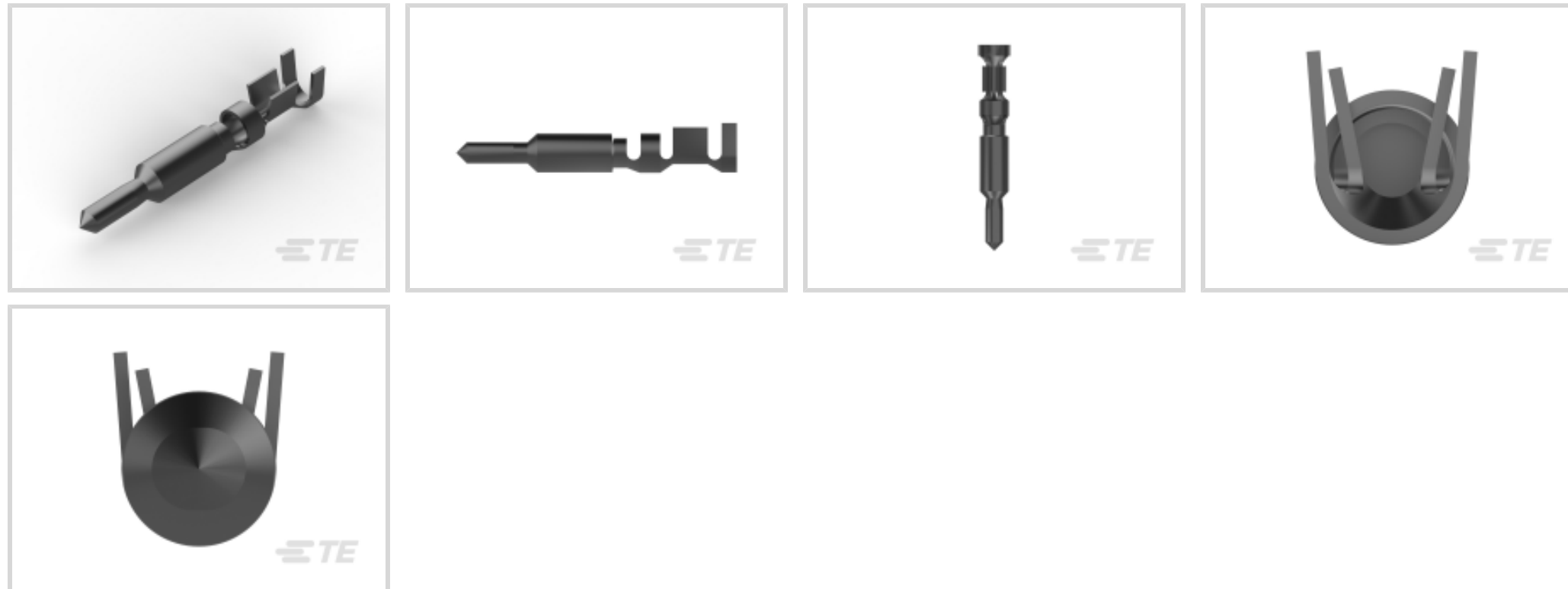
TE Internal #: 770007-1

Tin (Sn), Pin Contact, 20 – 14 AWG, 600 VAC, .5 – 2 mm<sup>2</sup> Wire, Crimp, Brass, Power, -55 – 120 °C [-67 – 248 °F], Universal MATE-N-LOK

[View on TE.com >](#)



Connectors > Contacts > Connector Contacts



Contact Type: **Pin**

Contact Mating Area Plating Material: **Tin (Sn)**

Wire Contact Termination Area Plating Material: **Pre-Tin**

Operating Voltage: **600 VAC**

Contact Retention Within Housing: **Without**

## Features

### Product Type Features

Discrete Wire Type	Stranded
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### Electrical Characteristics

Operating Voltage	600 VAC
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### Contact Features

Contact Type	Pin
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Contact Mating Area Plating Material	Tin (Sn)
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Wire Contact Termination Area Plating Material	Pre-Tin
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Contact Retention Within Housing	Without
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Contact Base Material	Brass
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Contact Current Rating (Max)	7 A
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Mating Pin Diameter	2.18 mm [.086 in]
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Wire Contact Termination Area Plating Material Finish	Matte
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Contact Orientation	Straight
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### Termination Features



Termination Method to Wire & Cable	Crimp
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Product Terminates To	Wire & Cable
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### Mechanical Attachment

Wire Insulation Support	Without
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### Dimensions

Wire Size	.5 – 2 mm <sup>2</sup>
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Compatible Insulation Diameter Range	1.52 – 3.3 mm [.06 – .13 in]
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### Usage Conditions

Operating Temperature Range	-55 – 120 °C [-67 – 248 °F]
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### Operation/Application

Circuit Application	Power
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### Industry Standards

Compatible With Agency/Standards Products	CSA, UL, VDE
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### Packaging Features

Packaging Quantity	4000
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Packaging Method	Reel
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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
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China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
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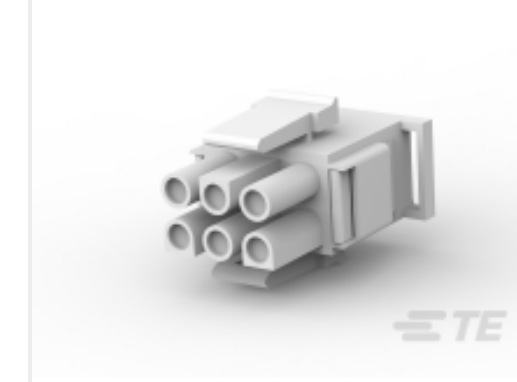

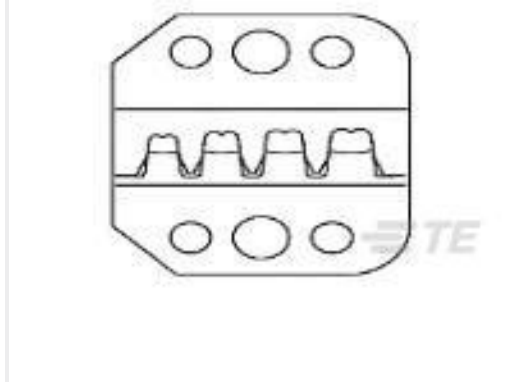





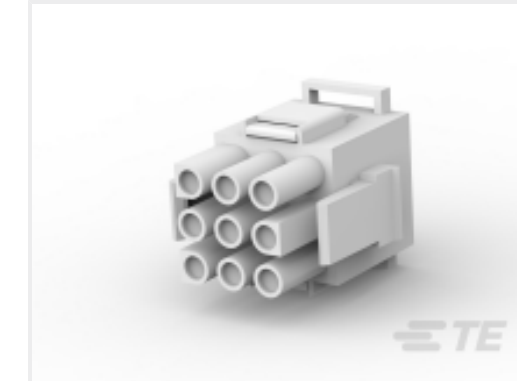




Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not applicable for solder process capability
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Product Compliance Disclaimer

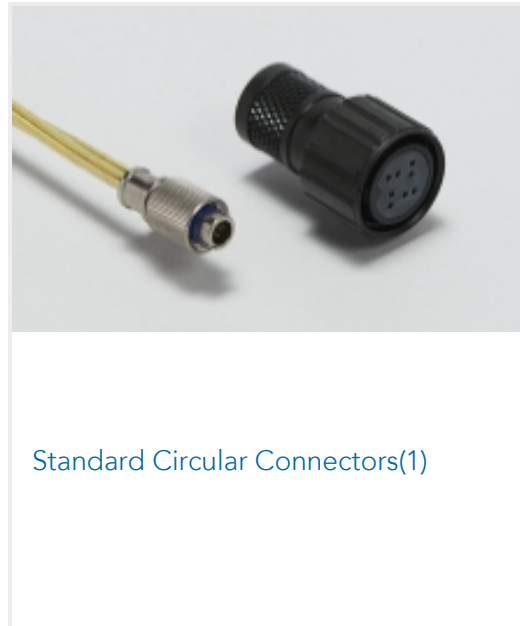
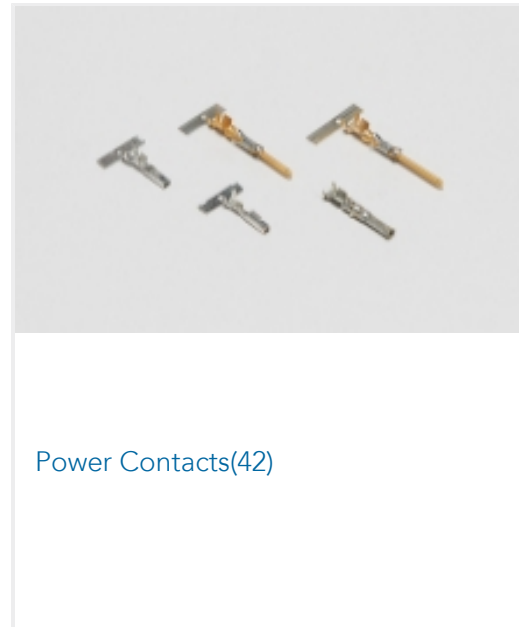
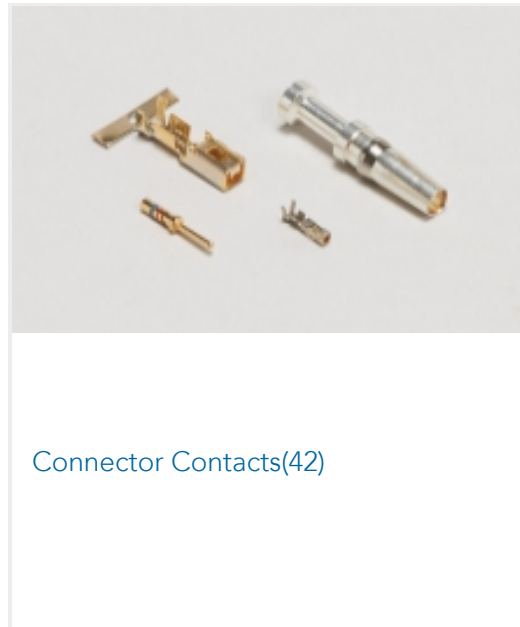
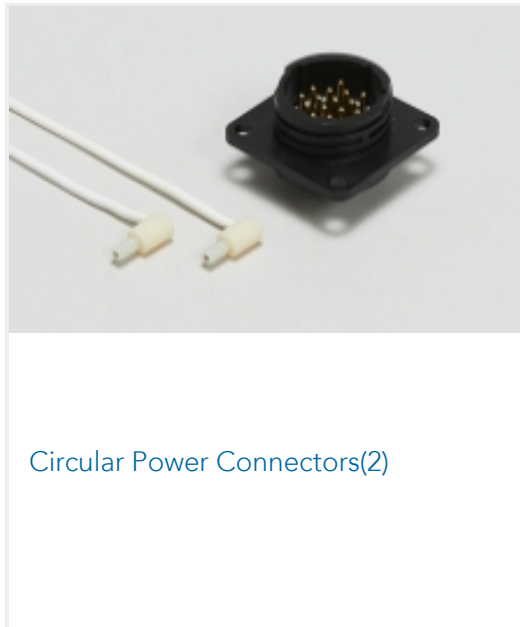
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

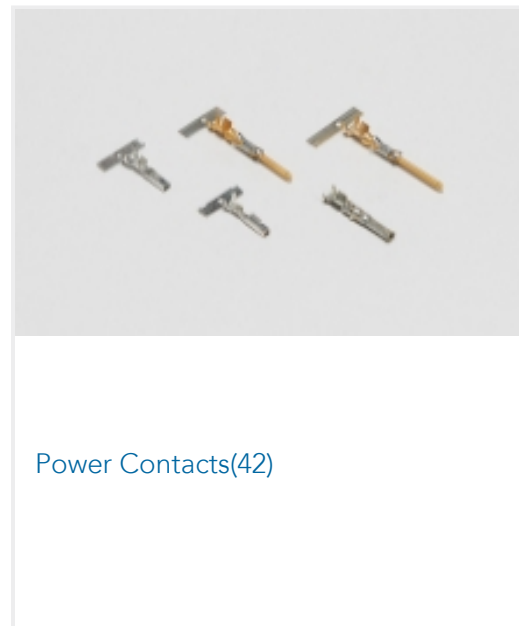
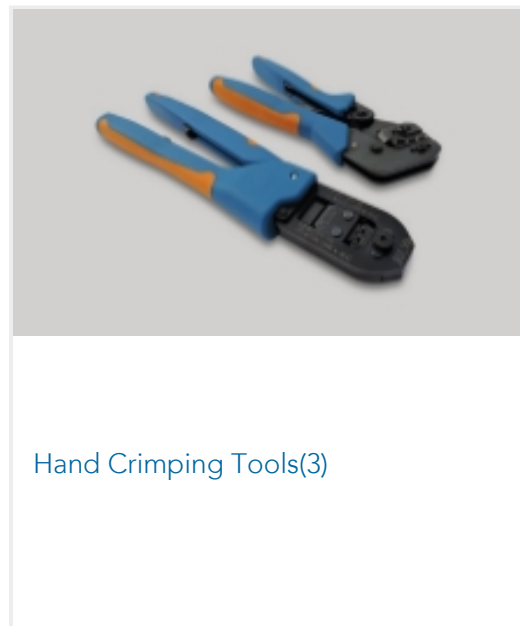
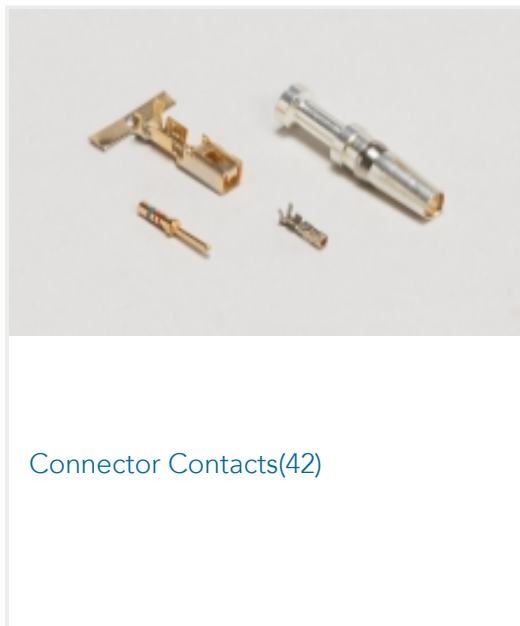
 <p>TE Part # 770030-1 15P UMNLII IN-LINE CAP HSG KIT</p>	 <p>TE Part # 770019-1 04P UMNLII IN-LNE PLUG HSG KIT</p>	 <p>TE Part # 770028-1 09P UMNLII IN-LINE CAP HSG KIT</p>	 <p>TE Part # 770020-1 06P UMNLII IN-LNE PLUG HSG KIT</p>
 <p>TE Part # 770017-1 02P UMNLII IN-LNE PLUG HSG KIT</p>	 <p>TE Part # 90546-2 PROCRIPER DIE ASSY UNIV MNL</p>	 <p>TE Part # 90546-1 ASSY PRO-CRIMPER UNIV M-N-L</p>	 <p>TE Part # 2151024-1 OCEAN_2.0_Applicator-S-090F130F-RSM</p>
 <p>TE Part # 91500-1 CCII UNML UNML II PIN SKT 20-14 ASSY</p>	 <p>TE Part # 2378745-1 SDE F UMNL/MNL 14-20AWG ASSY REPRESENTATION ONLY. DIE SET MAY VARY.</p>	 <p>TE Part # 2151024-2 OCEAN_2.0_Applicator-S-090F130F-RSA</p>	 <p>TE Part # 770021-1 09P UMNLII IN-LNE PLUG HSG KIT</p>
 <p>KIT REPRESENTATION ONLY</p> <p>TE Part # 7-2151024-7 OCEAN_2.0_SPARE_PART_KIT-090F130F</p>	 <p>TE Part # 770023-1 15P UMNLII IN-LNE PLUG HSG KIT</p>	 <p>TE Part # 770025-1 03P UMNLII IN-LINE CAP HSG KIT</p>	 <p>TE Part # 770029-1 12P UMNLII IN-LINE CAP HSG KIT</p>

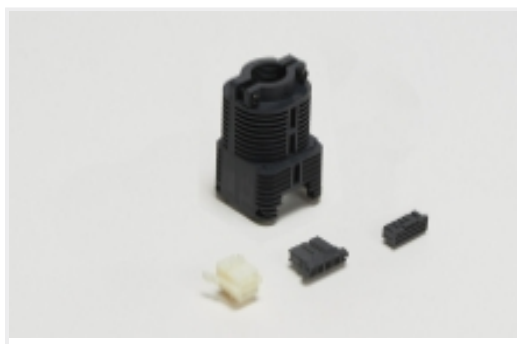


Also in the Series | **Universal MATE-N-LOK**



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

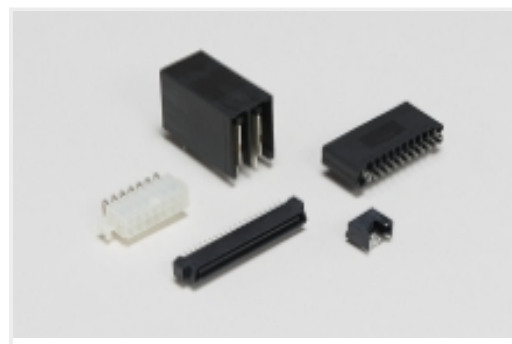




Rectangular Connector Housings(45)

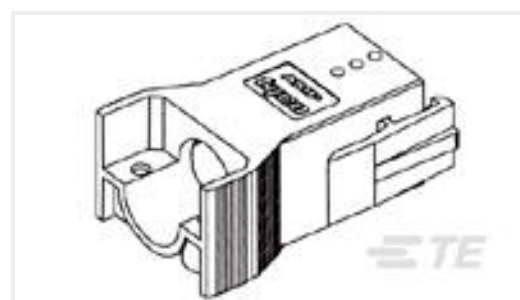


Rectangular Power Connectors(45)



Standard Rectangular Connectors(45)

## Customers Also Bought

TE Part #350765-4  
15P UMNL HDR ASSY PCTE Part #770003-3  
UMNL II PIN PTPPHBZTE Part #770019-1  
04P UMNLII IN-LNE PLUG HSG KITTE Part #770022-1  
12P UMNLII IN-LNE PLUG HSG KITTE Part #770023-1  
15P UMNLII IN-LNE PLUG HSG KITTE Part #770024-1  
02P UMNLII IN-LINE CAP HSG KITTE Part #770025-1  
03P UMNLII IN-LINE CAP HSG KITTE Part #770029-1  
12P UMNLII IN-LINE CAP HSG KITTE Part #770030-1  
15P UMNLII IN-LINE CAP HSG KITTE Part #1604083-1  
HSG,2X2 PWR PROD PLUR W/LATCH

## Documents

### Product Drawings

[UMNL II PIN PTPBR](#)

English

### CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_770007-1\\_T.2d\\_dxf.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_770007-1\\_T.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_770007-1\\_T.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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### Datasheets & Catalog Pages

[SOFT\\_SHELL\\_PIN\\_SOCKET\\_CONNECTORS\\_STANDARD\\_DENSITY](#)

English

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### Product Specifications

[Application Specification](#)

English