



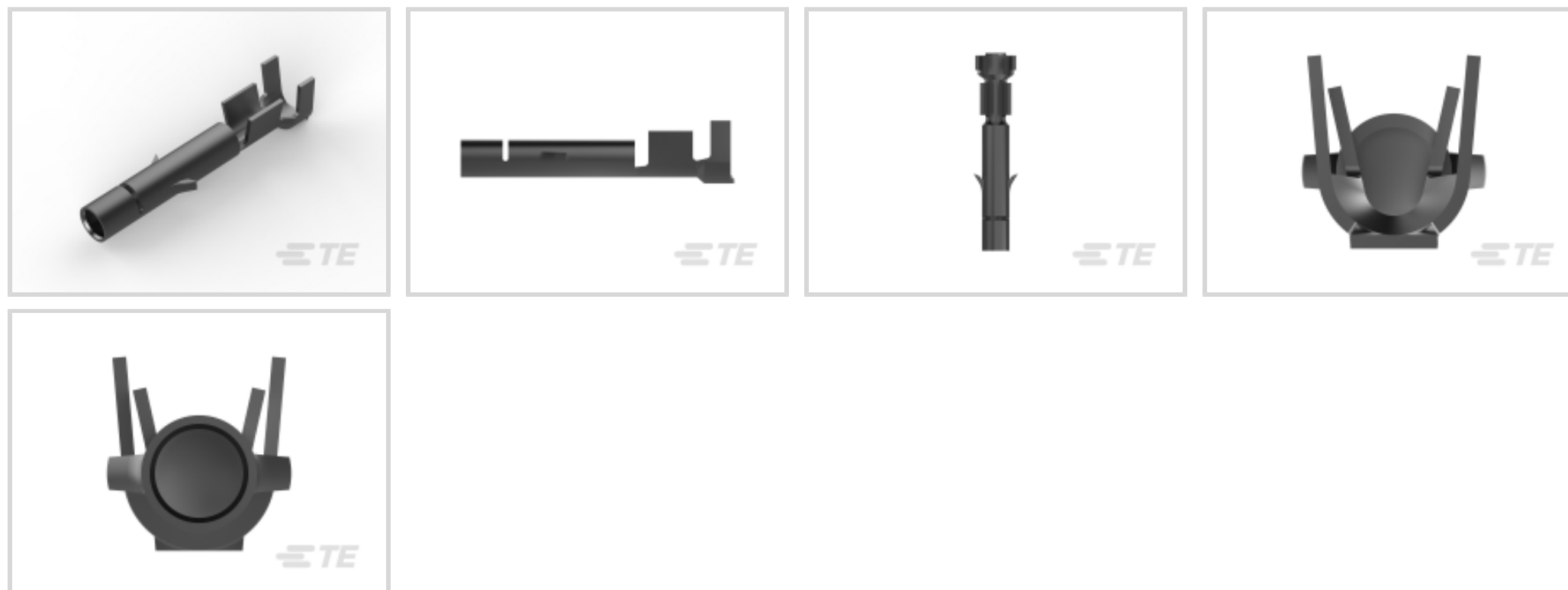
MATE-N-LOK | Universal MATE-N-LOK

TE Internal #: 350550-3

Universal MATE-N-LOK, Power Contacts, Contact, Operating Voltage 600 VAC, Pre-Tin, 20 – 14AWG Wire Size, .5 – 2mm<sup>2</sup> Wire Size, Wire-to-Wire

[View on TE.com >](#)

Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

Operating Voltage: **600 VAC**

Contact Mating Area Plating Material: **Pre-Tin**

Wire Size: **.5 – 2 mm<sup>2</sup>**

**Features**

**Product Type Features**

Power Contact Type	Contact
Connector System	Wire-to-Wire
Connector & Contact Terminates To	Wire & Cable

**Electrical Characteristics**

Operating Voltage	600 VAC
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**Contact Features**

Contact Mating Area Plating Material	Pre-Tin
Contact Current Rating (Max)	19 A
Contact Type	Socket
Contact Retention Within Housing	With
Mating Pin Diameter	2.13 mm [.084 in]
Contact Base Material	Phosphor Bronze
Wire Contact Termination Area Plating Material	Pre-Tin
Contact Orientation	Straight



### Termination Features

Termination Method to Wire & Cable	Crimp
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### Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance
Connector Mounting Type	Cable Mount (Free-Hanging)
Wire Insulation Support	Without

### Dimensions

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

### Usage Conditions

Operating Temperature Range	-55 – 105 °C [-67 – 221 °F]
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### Operation/Application

Circuit Application	Power
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### Industry Standards

CSA Rating	Certified
Glow Wire Rating	Standard Part - Not Glow Wire
VDE Tested	Yes
Agency/Standard	CSA, UL
CSA File Number	LR 16455
UL Rating	Recognized
UL File Number	E28476

### Packaging Features

Packaging Method	Bag
Packaging Quantity	1000

### Other

Wire/Cable Type	Discrete Wire
Wire Type	Stranded
For Use With	Splash Proof Seal and Universal Mate-N-LOK Plug and Cap 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: JUN 2020 (209) Candidate List Declared Against: JUN 2020 (209) 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

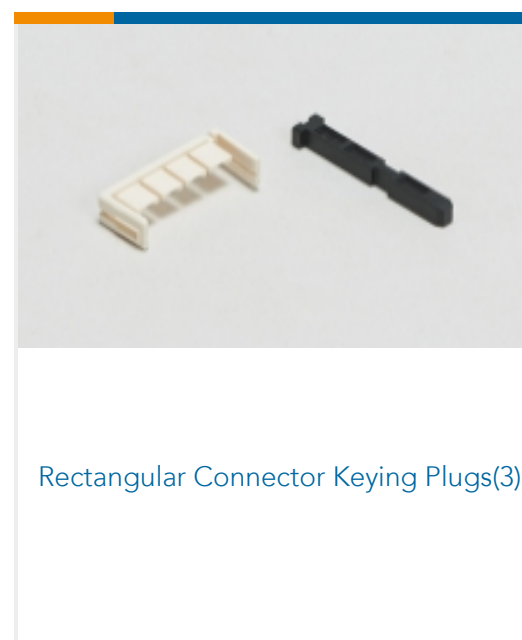
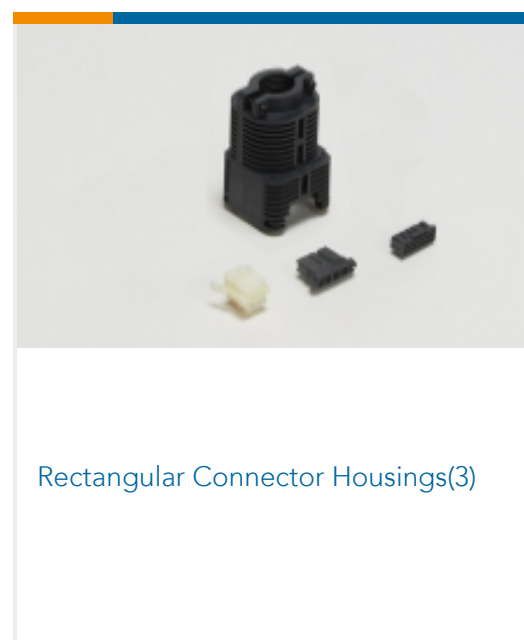
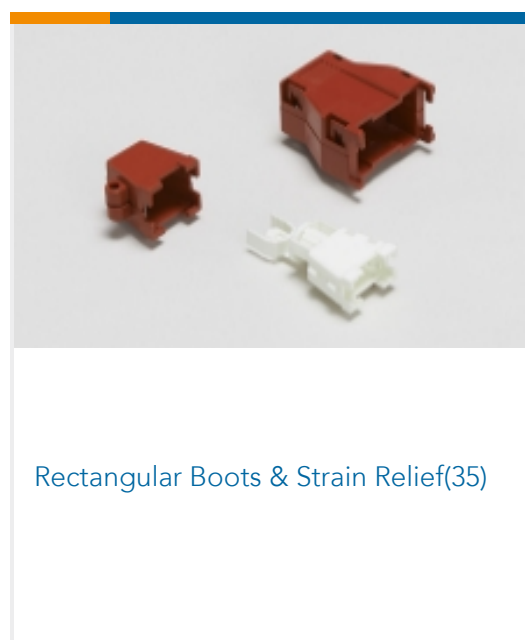
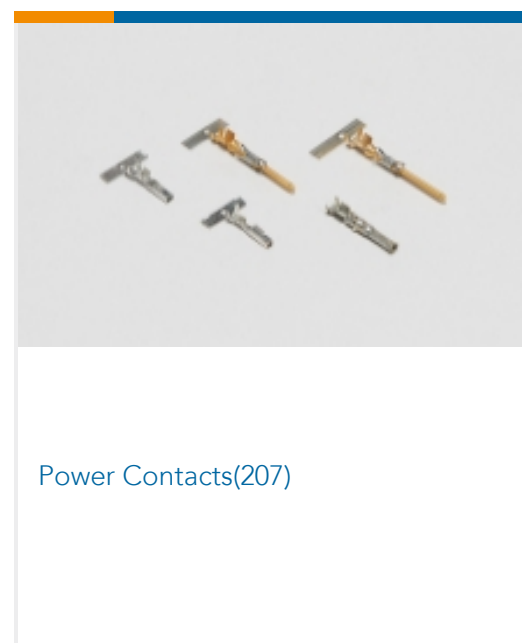
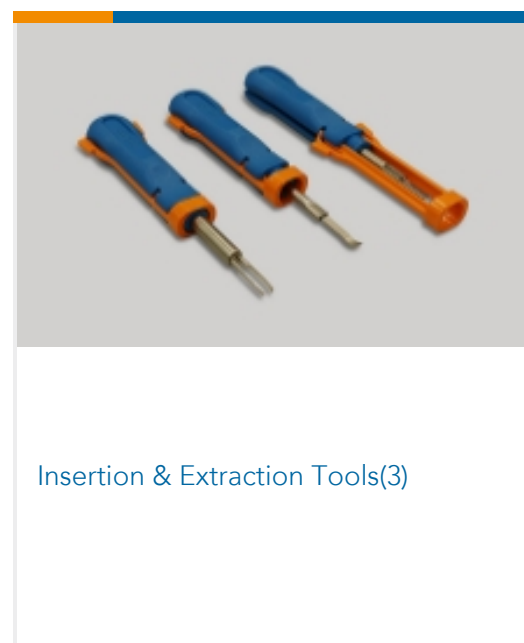
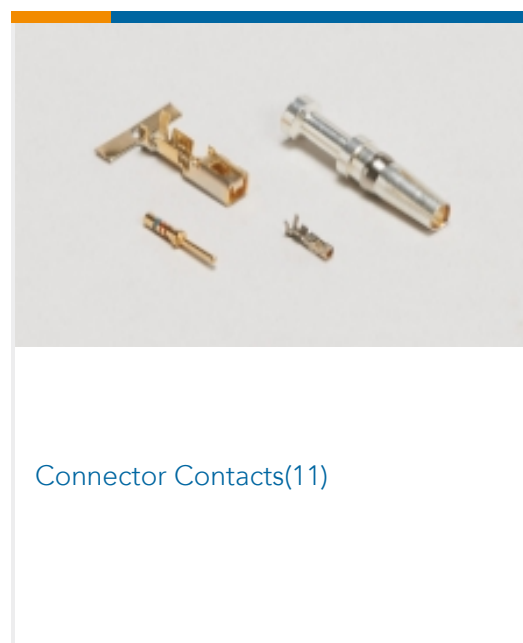
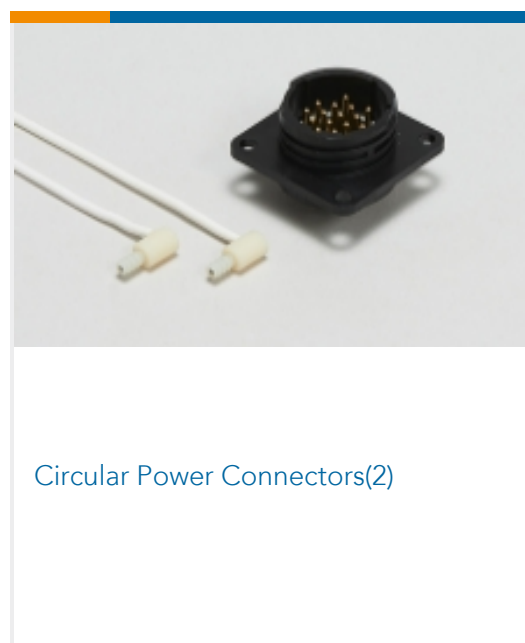
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 Model / Part # 1-480702-1 04P UMNL PLUG HSG BRN</p>	 <p>TE Model / Part # 1-480710-9 15P UMNL PLUG HSG BLK</p>	 <p>TE Model / Part # 2-480708-0 12P UMNL PLUG HSG NATL</p>	 <p>TE Model / Part # 1-480702-2 04P UMNL PLUG HSG RED</p>
 <p>TE Model / Part # 1-350777-1 02P UMNL V0 PLUG HSG BROWN</p>	 <p>TE Model / Part # 91500-1 CERTICRIMP 2,SAHT UMNL20-14</p>	 <p>TE Model / Part # 2-480707-0 09P UMNL CAP HSG NATL HOT/STMP</p>	 <p>TE Model / Part # 455830-1 INSERTION TOOL</p>

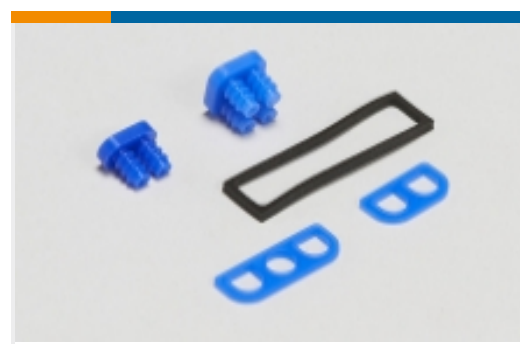


Also in the Series | **Universal MATE-N-LOK**





Rectangular Connector Locking(4)

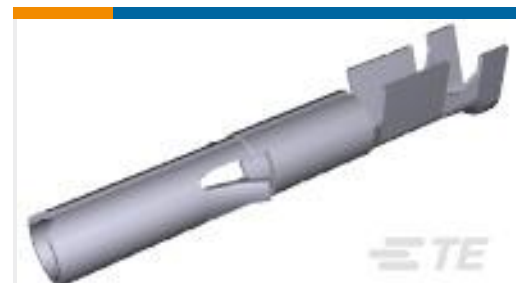
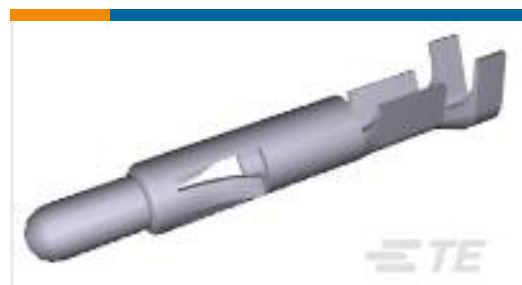


Rectangular Connector Seals(26)



Rectangular Power Connectors(716)

## Customers Also Bought

TE Model / Part #91500-1  
CERTICRIMP 2, SAHT UMNL20-14TE Model / Part #350781-1  
06P UMNL CAP HSGTE Model / Part #350689-3  
UMNL SOK 24-18 PTPPHBZ L/PTE Model / Part #350547-3  
UMNL PIN 20-14 PTPPHBZ L/PTE Model / Part #350690-3  
UMNL PIN 24-18 PTPPHBZ L/PTE Model / Part #3-747579-0  
SHLDNG FERRULE, PLTD, BULK PKGTE Model / Part #3-747579-2  
SHLDNG FERRULE, PLTD, BULK PKGTE Model / Part #170204-2  
EIS CONTACTTE Model / Part #350779-1  
04P UMNL PLUG HSGTE Model / Part #350780-1  
04P UMNL CAP HSG

## Documents

### Product Drawings

#### CAD Files

3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_350550-3\\_L.2d\\_dxf.zip](#)

English

#### Customer View Model



[ENG\\_CVM\\_CVM\\_350550-3\\_L.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_350550-3\\_L.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

[Engineering Report](#)

English

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### Product Environmental Compliance

[MD\\_350550-3\\_11062013355\\_dmtec](#)

English

[MD\\_350550-3\\_11062013355\\_dmtec](#)

English

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### Instruction Sheets

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

English

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

English