



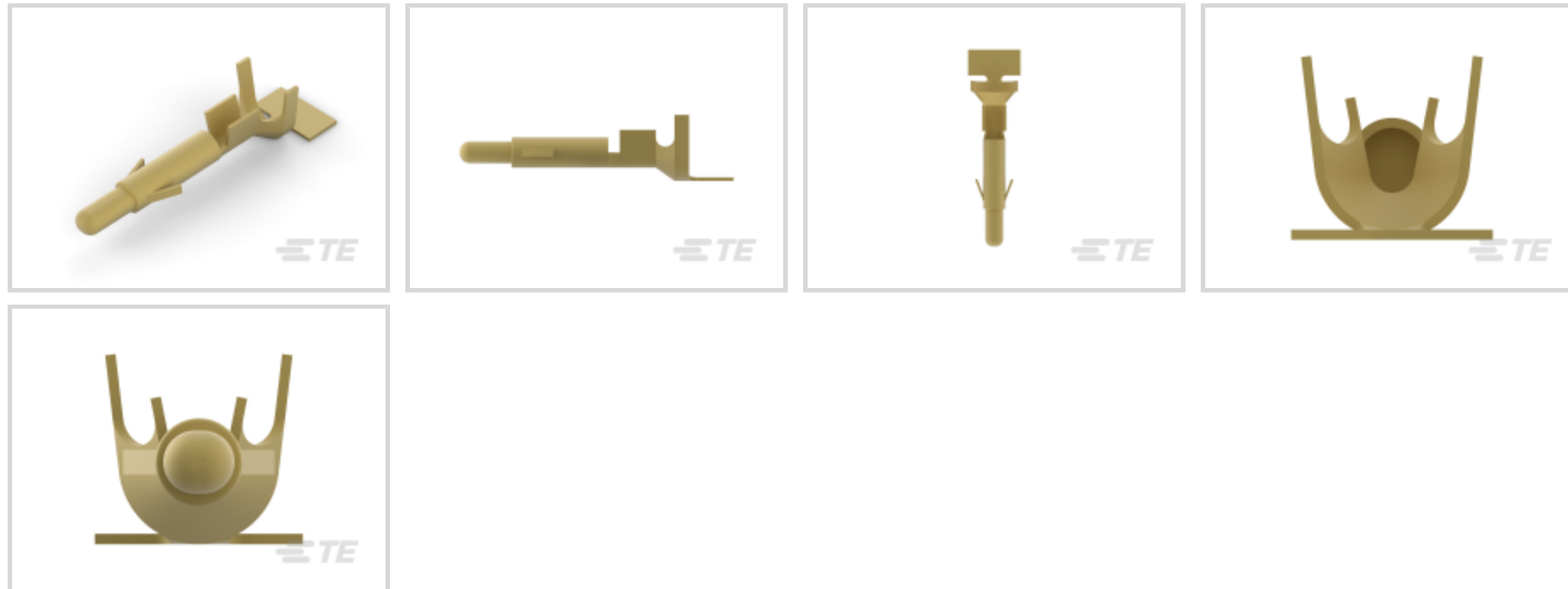
**MATE-N-LOK | Universal MATE-N-LOK**

TE Internal #: 350707-7

Universal MATE-N-LOK, Connector Contacts, Pin, Gold, Gold, Operating Voltage 600 VAC, With Contact Retention Within Housing, Wire-to-Wire

[View on TE.com >](#)

Connectors > Rectangular Connectors > Connector Contacts



Contact Type: **Pin**

Contact Mating Area Plating Material: **Gold**

Wire Contact Termination Area Plating Material: **Gold**

Operating Voltage: **600 VAC**

Contact Retention Within Housing: **With**

**Features**

**Product Type Features**

Discrete Wire Type	Stranded
Glow Wire Rating	Standard Part - Not Glow Wire
Connector System	Wire-to-Wire
Connector & Contact Terminates To	Wire & Cable

**Configuration Features**

Compatible With Wire & Cable Type	Discrete Wire
-----------------------------------	---------------

**Electrical Characteristics**

Operating Voltage	600 VAC
-------------------	---------

**Contact Features**

Underplate Material Thickness	1.27 $\mu\text{m}$ [50 $\mu\text{in}$ ]
Contact Mating Area Plating Thickness	.76 $\mu\text{m}$ [30 $\mu\text{in}$ ]
Contact Underplating Material	Nickel
Contact Type	Pin
Contact Mating Area Plating Material	Gold



Wire Contact Termination Area Plating Material	Gold
--	------

Contact Retention Within Housing	With
----------------------------------	------

Contact Base Material	Brass
-----------------------	-------

Contact Current Rating (Max)	19 A
------------------------------	------

### Termination Features

Termination Method to Wire & Cable	Crimp
------------------------------------	-------

### Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance
---------------------------------------	---------------

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

### Dimensions

Accepts Wire Insulation Diameter Range	3.3 – 5.08 mm [.13 – .2 in]
--	-----------------------------

Wire Size	.5 – 2.5 mm <sup>2</sup>
-----------	--------------------------

### Usage Conditions

Operating Temperature Range	-55 – 125 °C [-67 – 257 °F]
-----------------------------	-----------------------------

### Operation/Application

For Use With	Universal MATE-N-LOK Plug or Socket Housing
--------------	---

Circuit Application	Power
---------------------	-------

### Industry Standards

CSA Rating	Certified
------------	-----------

CSA File Number	LR 16455
-----------------	----------

UL File Number	E28476
----------------	--------

UL Rating	Recognized
-----------	------------

Agency/Standard	CSA, UL
-----------------	---------

VDE Tested	Yes
------------	-----

### Packaging Features

Packaging Method	Bag
------------------	-----

Packaging Quantity	1000
--------------------	------

### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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 # 90547-1  
ASSY PRO-CRIMPER UNIV M-N-L

TE Part # 91506-1  
CCII UNML UNML II PIN SKT 16-14 ASSY

TE Part # 90547-2  
PROCRIMPER DIE ASSY UNIV MNL

TE Part # 1804030-1  
EXTRACTION TOOL ASSY





TE Part # 1-480705-2  
06P UNML CAP HSG RED

TE Part # 1-480708-9  
12P UMNL PLUG HSG BLK

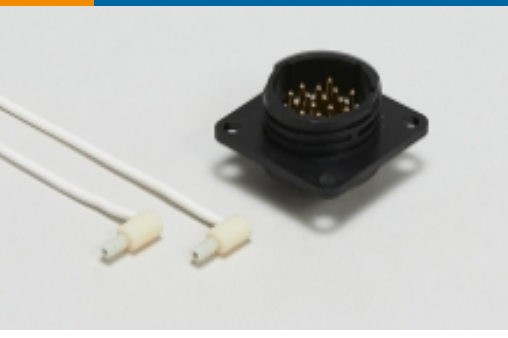
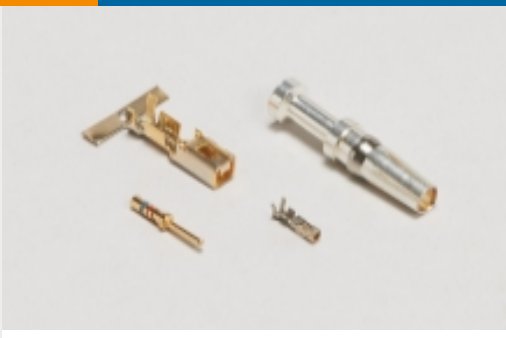

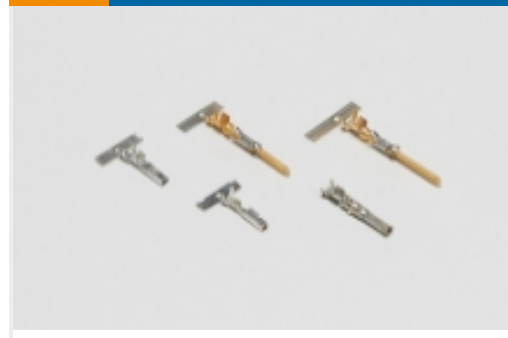




TE Part # 926307-3  
6P UN-MNL AUFN-GEH

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



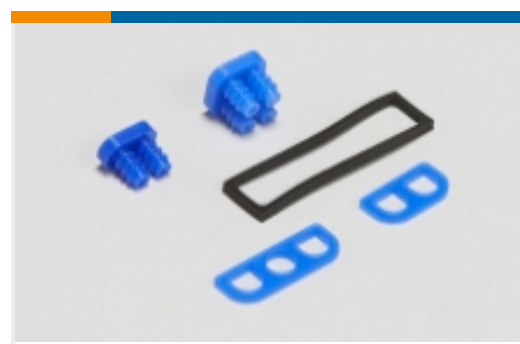
 <p>TE Part # 926302-1 10&amp; UNIV.M-N-L.PLUG</p>	 <p>TE Part # 1-350777-2 02P UMNL V0 PLUG HSG RED</p>	 <p>TE Part # 350783-1 12P UMNL CAP HSG</p>	 <p>TE Part # 1-350778-9 02P UMNL V0 CAP HSG BLACK</p>
 <p>TE Part # 350735-1 12P UMNL PLUG HSG</p>	 <p>TE Part # 926302-3 10P UN-MNL STECKGEH</p>	 <p>TE Part # 926308-3 8P UN-MNL AUFN-GEH</p>	 <p>TE Part # 1-350766-2 03P UMNL V0 PLUG HSG RED</p>
 <p>TE Part # 1-480701-4 03P UMNL CAP HSG YELL</p>	 <p>TE Part # 640585-1 06P UMNL PLUG HSG V2 NATL</p>	 <p>TE Part # 926308-1 8P UNIV.M-N-L.CAP</p>	 <p>TE Part # 926309-1 10P UNIV.M-N-L.CAP</p>

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

 <p>Circular Power Connectors(2)</p>	 <p>Connector Contacts(11)</p>	 <p>Insertion &amp; Extraction Tools(4)</p>	 <p>Power Contacts(207)</p>
 <p>Rectangular Boots &amp; Strain Relief(35)</p>	 <p>Rectangular Connector Adapters(7)</p>	 <p>Rectangular Connector Housings(2)</p>	 <p>Rectangular Connector Keying Plugs(3)</p>



Rectangular Connector Locking(4)



Rectangular Connector Seals(26)



Rectangular Power Connectors(725)

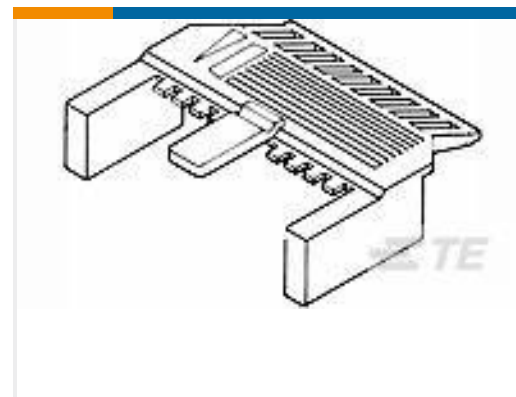
## Customers Also Bought



TE Part #3-647406-1  
Wire-to-Board Connector Contacts:  
socket, wire size 30-16 AWG, SL 156



TE Part #2-31425-3  
TERM,BUDG R 26-22 2 NIPL



TE Part #102537-3  
10 AMPMODU MT COVER DR .100CL



TE Part #1925220-9  
TMN2N051PC2DM018S = M32139/03-  
G05SNS



TE Part #1-647402-2  
3.96mm Wire-to-board housing:  
receptacle, with mating alignment, SL  
156



TE Part #YDTS26F25-19PBV001  
D38999: Straight Plug, 25-19 Insert



TE Part #2204529-1  
ELCON MINI 3P RA HEADER,SOLDER,  
T/P



TE Part #103777-2  
04 MODII HDR DRST B/A .100CL



TE Part #2-2232263-1  
PTL 1X2 CAP PANEL MT HOT WIRE  
KEY B NAT



TE Part #1617166-8  
JMAWT-5XM = M28776/1-013M

## Documents

### Product Drawings

#### CAD Files

[3D PDF](#)

[3D](#)

[3D PDF](#)

[English](#)

#### Customer View Model

[ENG\\_CVM\\_350707-7\\_J.3d\\_igs.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_350707-7\\_J.3d\\_stp.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_350707-7\\_J.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_350707-7\\_D.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_350707-7\\_D.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_350707-7\\_D.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

---

**Instruction Sheets**

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

English

---

**Agency Approvals**

[UL Report](#)

English