

# 18P MINI UMNL PLUG HSG ✓ ACTIVE

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

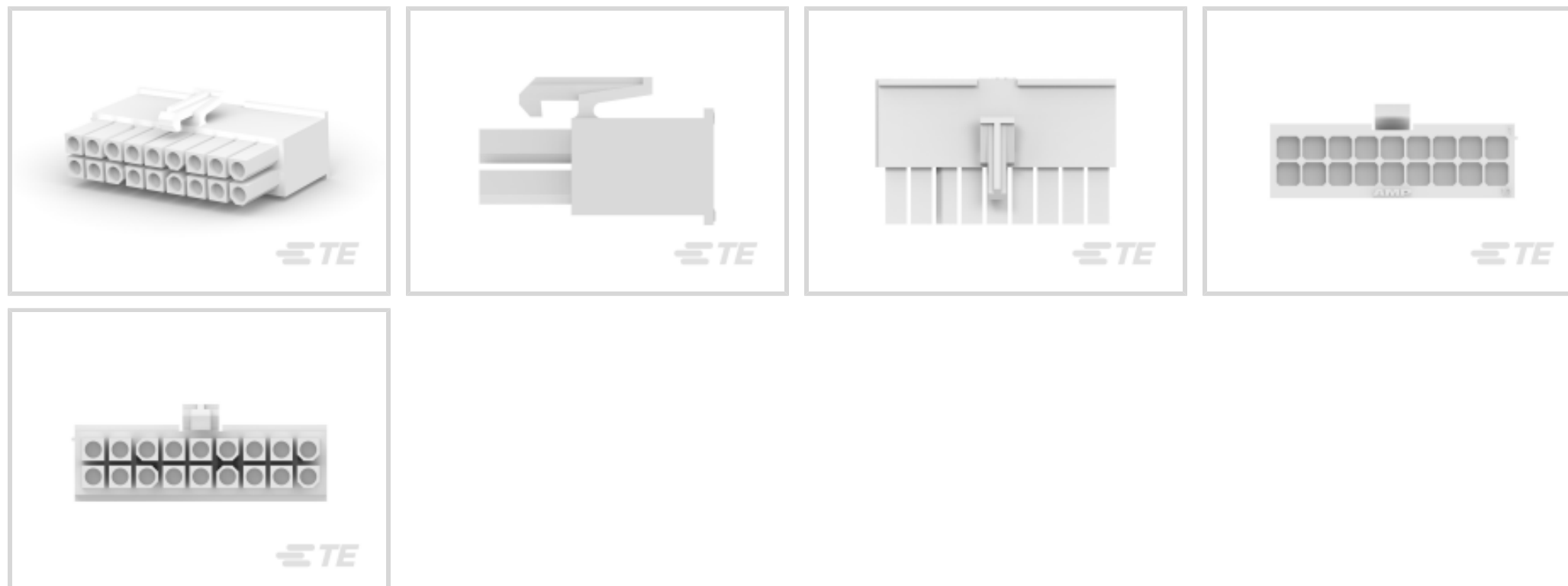
TE Part # 770584-1

TE Internal #: 770584-1

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Product Type: **Housing**

Housing Type: **Plug**

Connector System: **Wire-to-Wire**

Number of Positions: **18**

Centerline (Pitch): **4.14 mm [ .162 in ]**

## Features

### Product Type Features

Product Type	Housing
Housing Type	Plug
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable
Contact Type	Socket

### Configuration Features

Number of Positions	18
Number of Rows	2
Row-to-Row Spacing	.162 mm[4.14 in]

### Electrical Characteristics

Operating Voltage	600 VDC
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### Contact Features

Multiple Contact Types	Without
Contact Retention	Without

### Termination Features

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

Panel Mount Feature	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

### Housing Features

Centerline (Pitch)	4.14 mm[.162 in]
UL Flammability Rating	UL 94V-0
Housing Color	White
Housing Material	Nylon

### Usage Conditions

Operating Temperature Range	-20 – 105 °C[-4 – 221 °F]
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### Operation/Application

Assembly Integration Feature	Without
Circuit Application	Power & Signal

### Industry Standards

CSA Rating	Certified
Glow Wire Rating	Standard Part - Not Glow Wire
UL Rating	Recognized
Agency/Standard Number	E28476
CSA File Number	LR7189
VDE Tested	No
Agency/Standard	CSA, UL

### Packaging Features

Packaging Method	Package
Packaging Quantity	1

### Other

For Use With	Mini-Universal MATE-N-LOK Cap Housing
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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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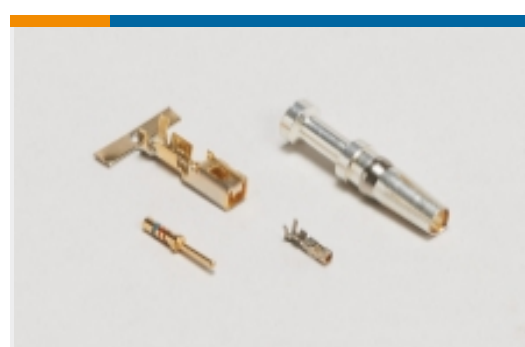


EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	欧洲化学品管理局最新发布的SvHCs候选清单: 2019年1月 (197) SvHCs候选清单的声明更新至: 2019年1月 (197)
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

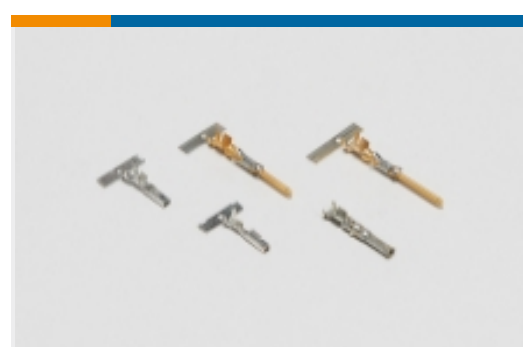
Product Compliance Disclaimer

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

### Compatible Parts



Connector Contacts(6)



Power Contacts(78)



Rectangular Power Connectors(9)

Also in the Series | [Mini-Universal MATE-N-LOK](#)

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TE Internal #: 770584-1



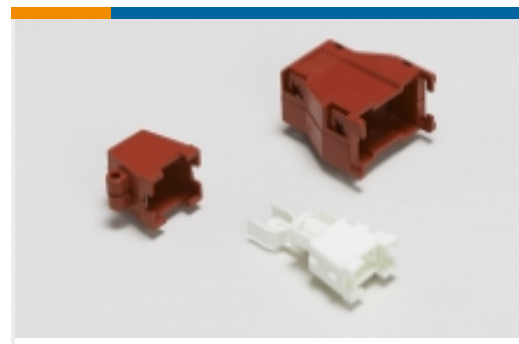
Connector Contacts(12)



Power Contacts(85)



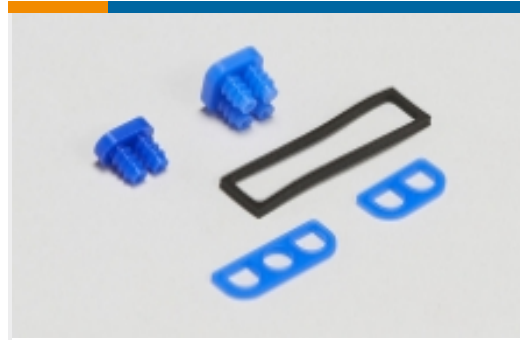
Rectangular Backshells & Clamps(2)



Rectangular Boots & Strain Relief(2)



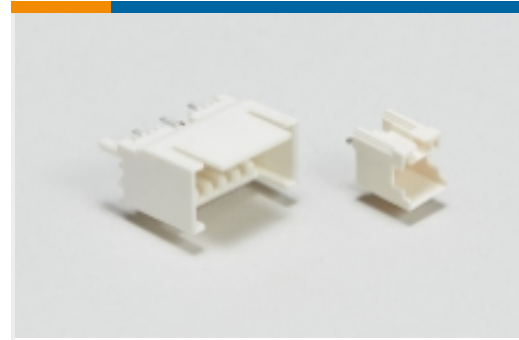
Rectangular Connector Keying Plugs(2)



Rectangular Connector Seals(18)

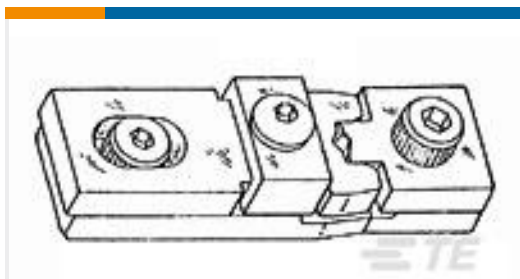


Rectangular Power Connectors(290)

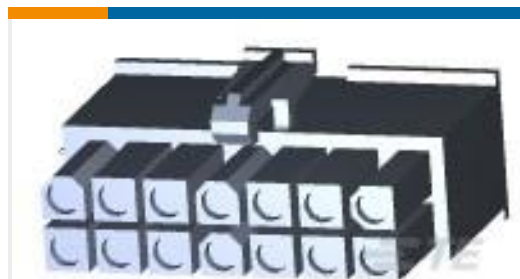


Wire-to-Board Headers & Receptacles(1)

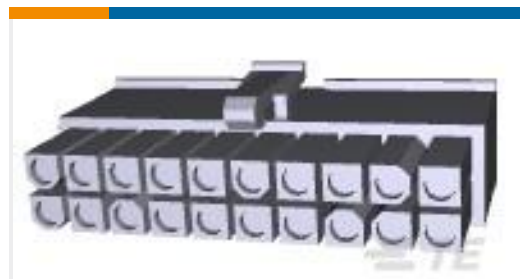
## Customers Also Bought



TE Part #59828-1  
TETRA-CRIMP DIE 12-10



TE Part #770582-1  
14P MINI UMNL PLUG HSG



TE Part #770585-1  
20P MINI UMNL PLUG HSG



TE Part #770583-1  
16P MINI UMNL PLUG HSG



TE Part #1-770903-0  
MINI UMNL PIN 22-18  
AWG AU



TE Part #770904-3  
MINI UMNL SOK 22-18  
AWG AU



TE Part #794222-1  
MINI UMNL2 PIN 20-  
16AWG SN



TE Part #63604-1  
FASTON .250 FLAG REC  
18-12 AWG NPCRS



TE Part #5-456135-7  
CRIMPER, INSULATION  
"O"(.062")

## Documents



### Product Drawings

#### 18P MINI UMNL PLUG HSG

English

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### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_770584-1\\_L.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_770584-1\\_L.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_770584-1\\_L.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

#### SOFT\_SHELL\_PIN\_AND\_SOCKET\_CONNECTORS\_CATALOG

English

[1-1773458-0\\_MINI\\_UNIVERSAL\\_MATE\\_N\\_LOK\\_CONNECTOR\\_SYSTEM\\_QRG](#)

English

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### Product Specifications

#### Application Specification

English

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### Product Environmental Compliance

#### TE Material Declaration

English

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### Instruction Sheets

#### Instruction Sheet (U.S.)

English

#### Instruction Sheet (U.S.)

English

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### Agency Approvals

#### Agency Approval Document

English

#### Agency Approval Document

English

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