

1-770834-0 ✓ ACTIVE

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

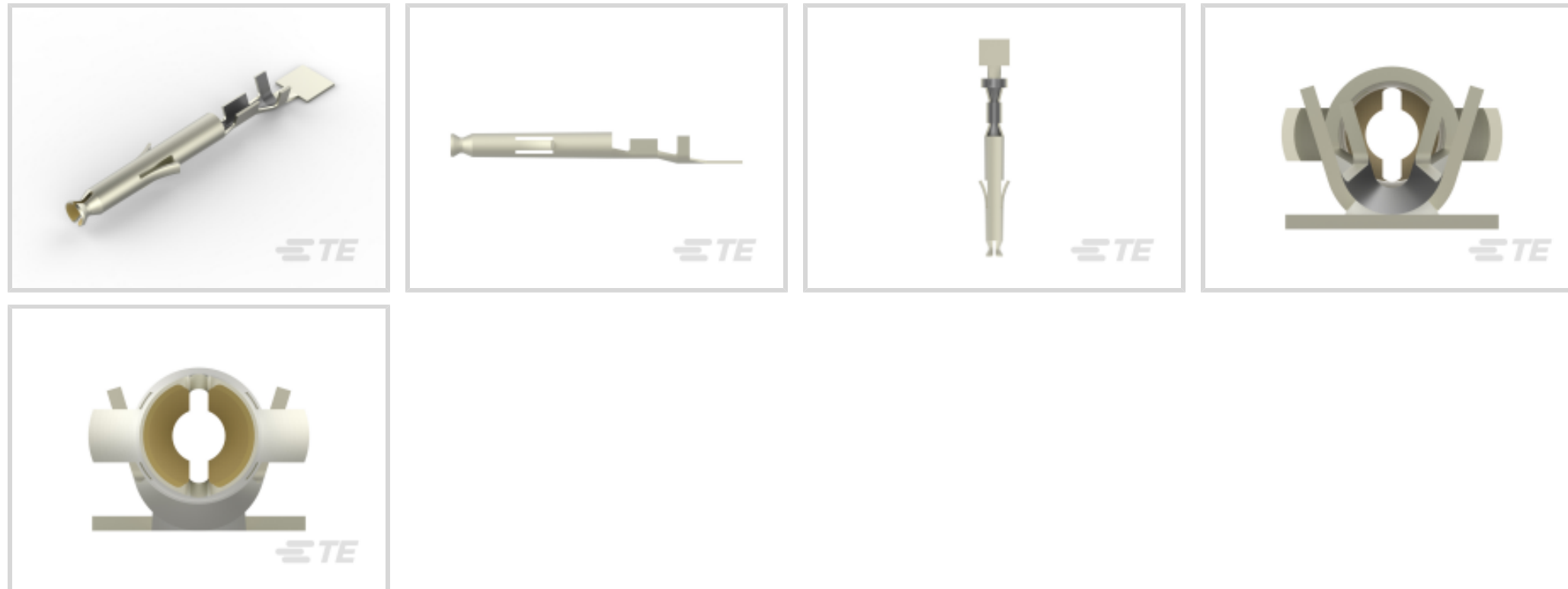
TE Internal #: 1-770834-0

Socket Contact, Gold, 600 VAC, 600 VDC, 30 – 26 AWG Wire Size, .05 – .15 mm<sup>2</sup> Wire Size, Crimp, Brass, Power, Mini-Universal MATE-N-LOK

[View on TE.com >](#)



Connectors > Contacts > Connector Contacts



Contact Type: **Socket**

Contact Mating Area Plating Material: **Gold**

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

Operating Voltage: **600 VDC**

## Features

### Product Type Features

Discrete Wire Type **Stranded**

### Electrical Characteristics

Operating Voltage **600 VDC**

### Contact Features

Mating Pin Diameter **1 mm[.039 in]**

Contact Underplating Material Thickness **1.27 µm[50 µin]**

Wire Contact Termination Area Plating Thickness **2.54 µm[100 µin]**

Wire Contact Termination Area Plating Material Finish **Matte**

Contact Mating Area Plating Material Thickness **.76 µm[30 µin]**

Contact Orientation **Straight**

Contact Underplating Material **Nickel**

Contact Type **Socket**

Contact Mating Area Plating Material **Gold**

Wire Contact Termination Area Plating Material **Tin**

Contact Retention Within Housing **With**



Contact Base Material	Brass
Contact Current Rating (Max)	11.2 A

### Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire & Cable

### Mechanical Attachment

Wire Insulation Support	Without
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### Dimensions

Compatible Insulation Diameter Range	.89 – 1.27 mm [.035 – .05 in]
Wire Size	.05 – .15 mm <sup>2</sup>

### 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

Compatible With Agency/Standards Products	CSA, UL
UL Flammability Rating	UL 94V-0

### Packaging Features

Packaging Quantity	10000
Packaging Method	Reel

### 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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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 # CAT-AM71-C83998EE  
Mini Circular Plastic Connectors (CPC)



TE Part # 770586-1  
22P MINI UMNL PLUG HSG



TE Part # 770587-1  
24P MINI UMNL PLUG HSG



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



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



TE Part # 172333-1  
MINI UNIVERSAL M-N-L HOUSING



TE Part # 770581-1  
12P MINI UMNL PLUG HSG



TE Part # 770580-1  
10P MINI UMNL PLUG HSG



TE Part # 770584-1  
18P MINI UMNL PLUG HSG



TE Part # 172328-1  
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 2P



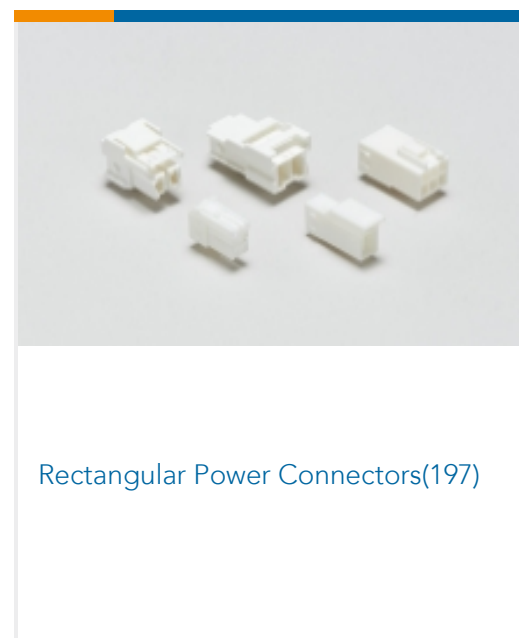
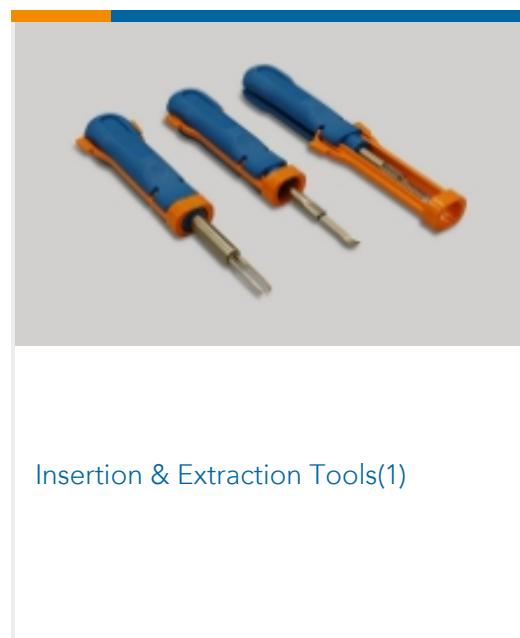
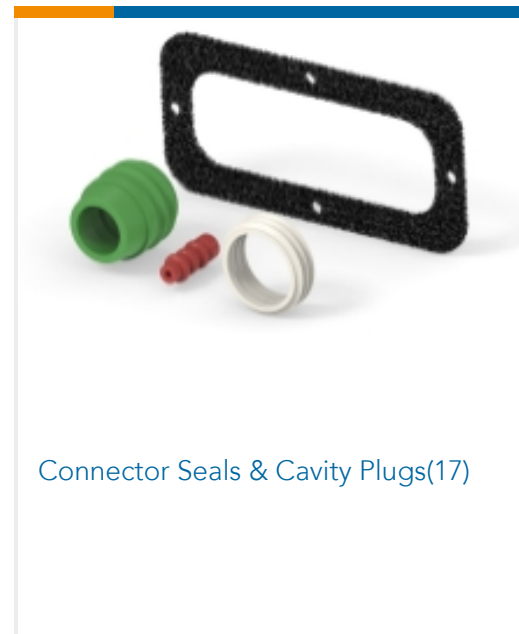
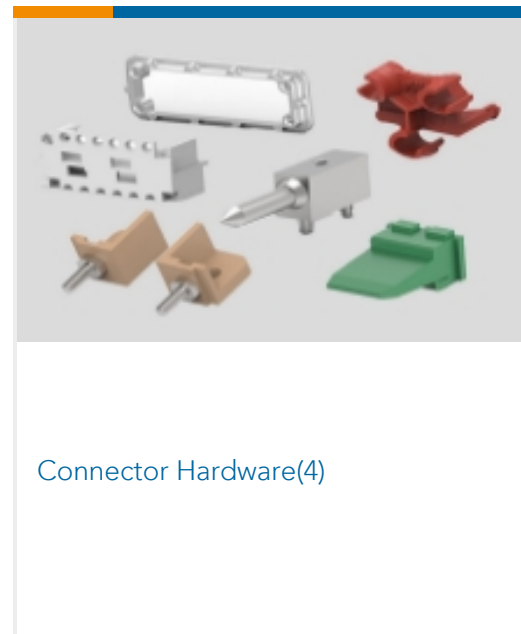
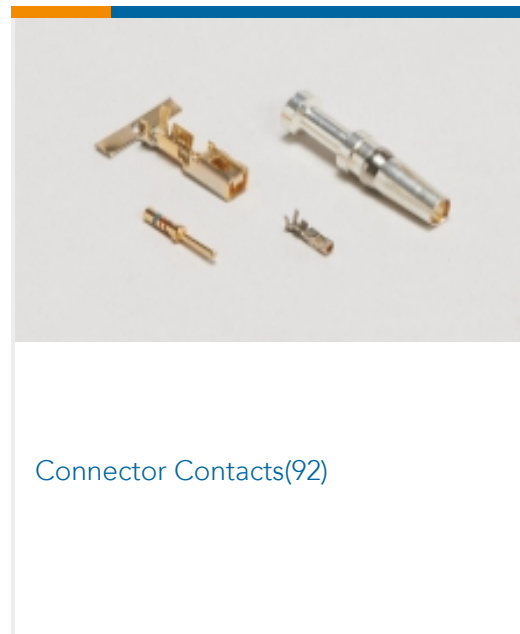
TE Part # 172330-1  
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 4P



TE Part # 172344-1  
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 3P



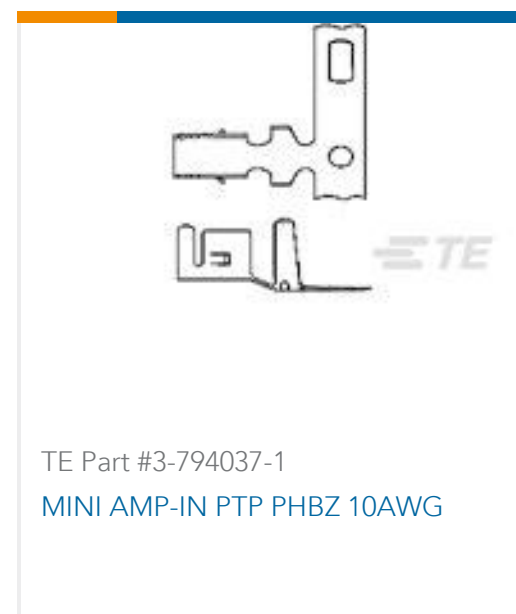
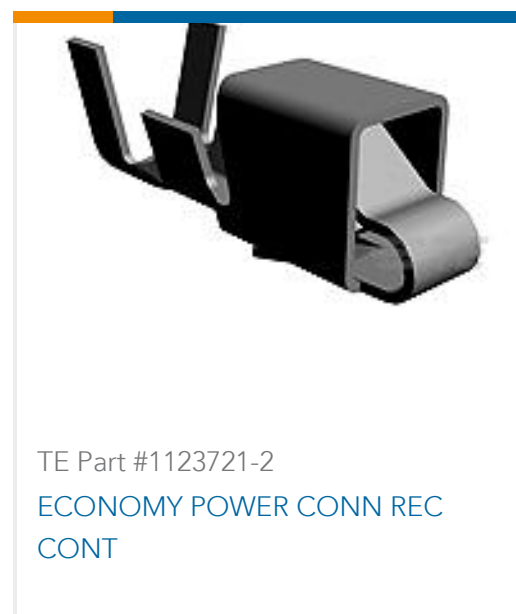
## Also in the Series | Mini-Universal MATE-N-LOK



## Customers Also Bought







## Documents

### CAD Files

Customer View Model

[ENG\\_CVM\\_1-770834-0\\_P.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_1-770834-0\\_P.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_1-770834-0\\_P.2d\\_dxf.zip](#)

English

3D PDF

English

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-770834-0\\_V.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-770834-0\\_V.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-770834-0\\_V.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

[AMP Circular Connectors for Commercial Signal & Power Applications Continued](#)



English

[SOFT\\_SHELL\\_PIN\\_AND\\_SOCKET\\_CONNECTORS\\_CATALOG](#)

English

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**Product Specifications**

[Application Specification](#)

English

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**Instruction Sheets**

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

English