

770903-1 ✓ ACTIVE

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

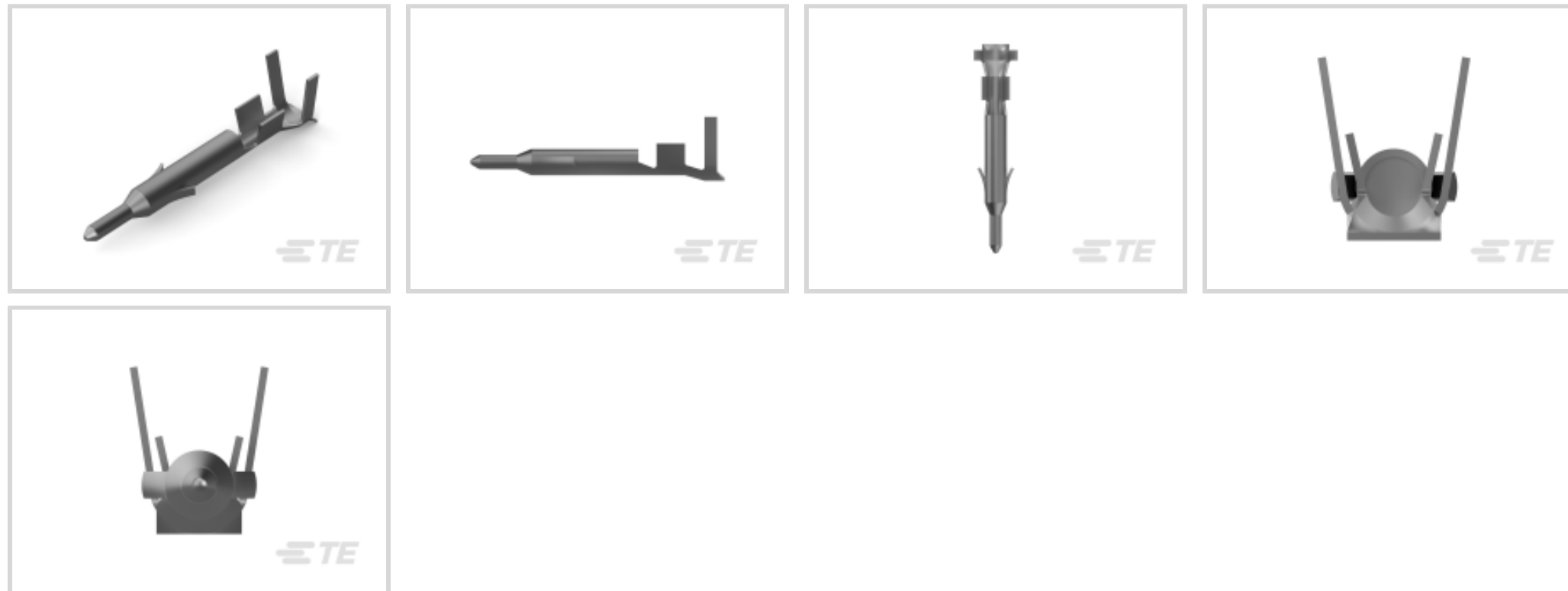
TE Internal #: 770903-1

Pin Contact, Tin, 600 VAC, 600 VDC, 22 – 18 AWG Wire Size, .3 – .9 mm² Wire Size, Crimp, Brass, Power, Mini-Universal MATE-N-LOK

[View on TE.com >](#)



Connectors > Contacts > Connector Contacts



Contact Type: **Pin**

Contact Mating Area Plating Material: **Tin**

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

Operating Voltage: **600 VDC**

Features

Industry Standards

Compatible With Agency/Standards Products	UL, CSA
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Product Type Features

Discrete Wire Type	Stranded
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Mechanical Attachment

Wire Insulation Support	Without
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Packaging Features

Packaging Quantity	4500
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Packaging Method	Reel
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Dimensions

Compatible Insulation Diameter Range	1.5 – 2.39 mm [.059 – .094 in]
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Wire Size	.3 – .9 mm ²
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Contact Features

Contact Orientation	Straight
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Mating Pin Diameter	1 mm [.039 in]
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Wire Contact Termination Area Plating Material Finish	Bright
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Wire Contact Termination Area Plating Thickness	2.54 µm[100 µin]
Contact Type	Pin
Contact Mating Area Plating Material	Tin
Wire Contact Termination Area Plating Material	Pre-Tin
Contact Retention Within Housing	With
Contact Base Material	Brass
Contact Current Rating (Max)	11.2 A

Electrical Characteristics

Operating Voltage	600 VDC
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Termination Features

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

Usage Conditions

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

Circuit Application	Power
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Compliance

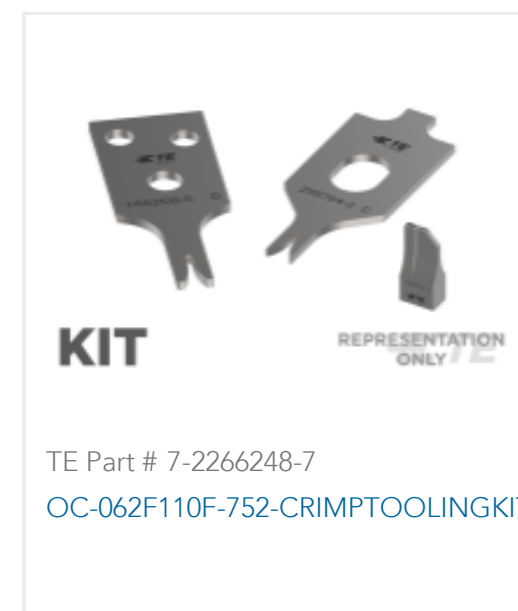
[For compliance documentation, visit the product page on TE.com>](#)

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

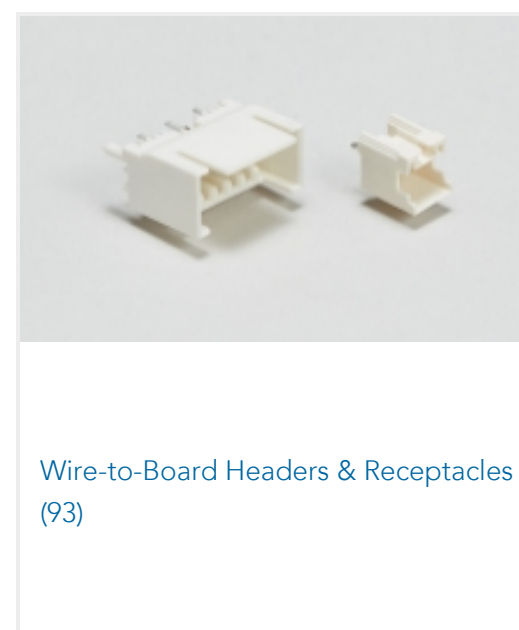
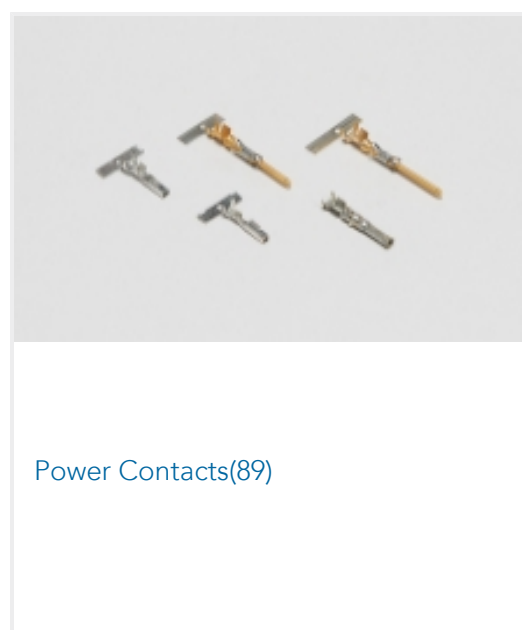
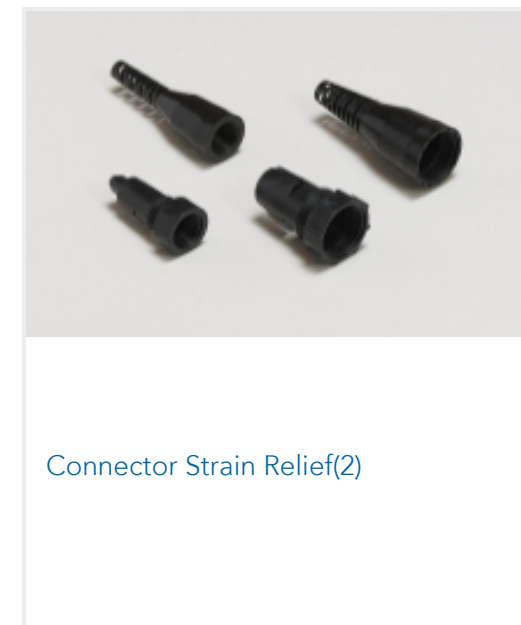
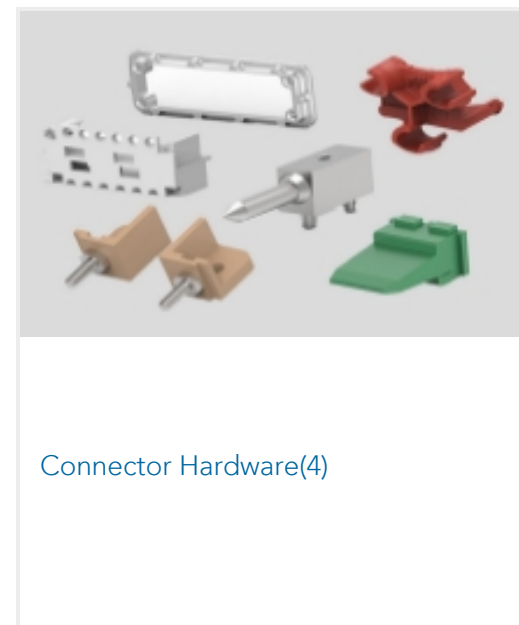
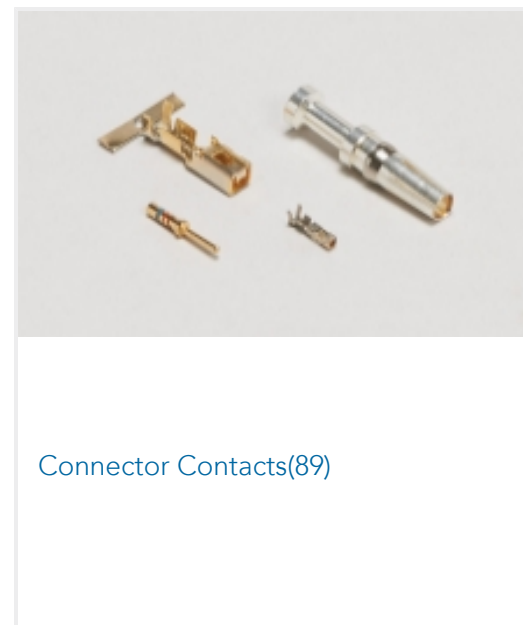
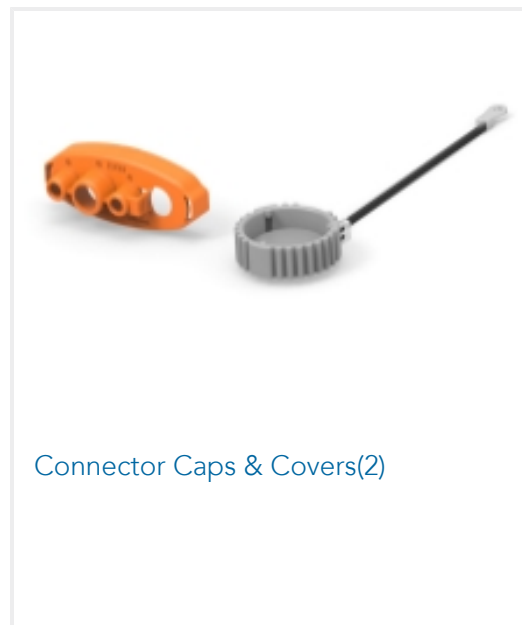
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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



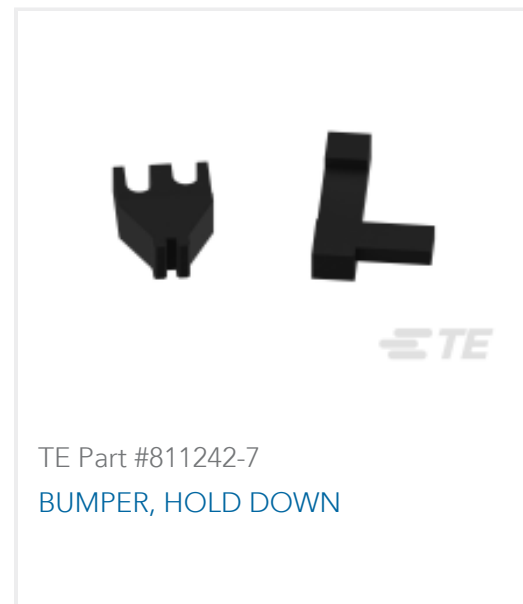


Also in the Series | Mini-Universal MATE-N-LOK



Customers Also Bought





Documents

Product Drawings

MINI UMNL PIN 22-18 AWG SN

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_770903-1_U.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_770903-1_U.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_770903-1_U.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

Product Specifications

Application Specification

English

770903-1

Pin Contact, Tin, 600 VAC, 600 VDC, 22 – 18 AWG Wire Size, .3 – .9 mm² Wire Size,
Crimp, Brass, Power, Mini-Universal MATE-N-LOK



[Instruction Sheets](#)

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

English