

770193-1 ✓ ACTIVE

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

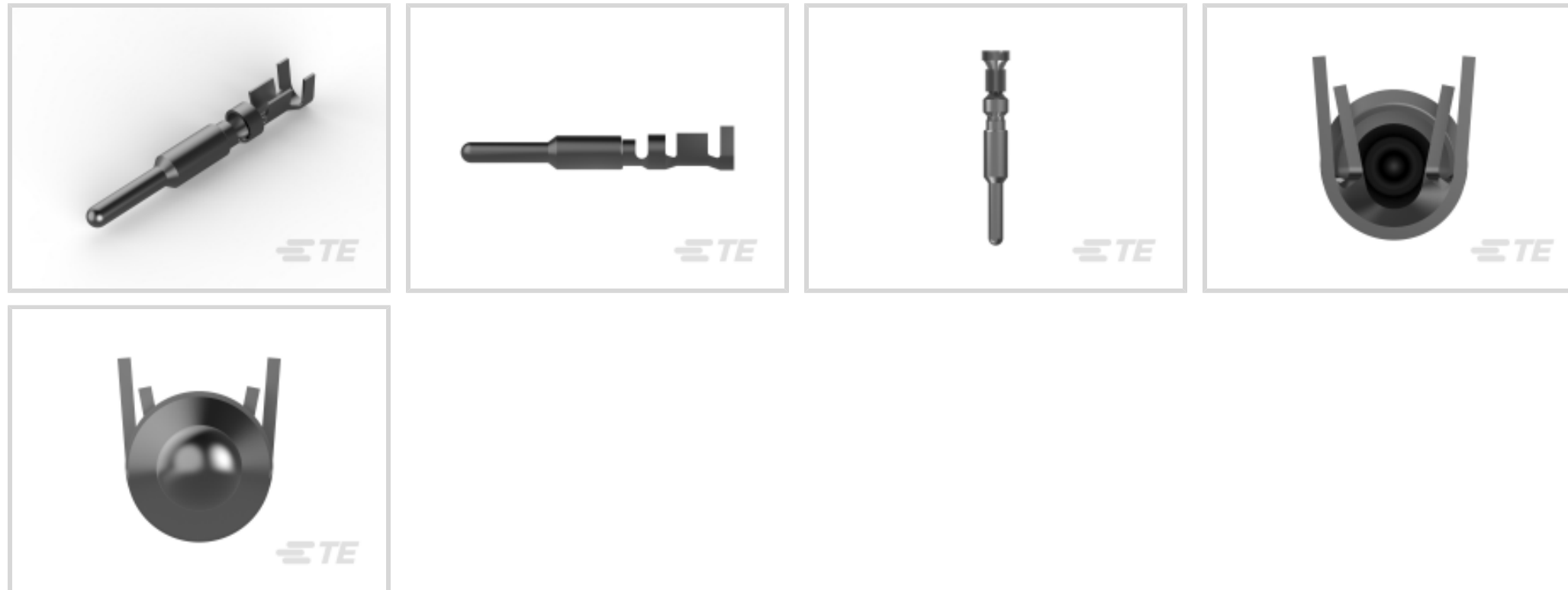
TE Internal #: 770193-1

Pin Contact, Tin, 600 VAC, 20 – 14 AWG Wire Size, .5 – 2 mm<sup>2</sup> Wire Size, Crimp, Brass, Power, -67 – 248 °F [-55 – 120 °C], 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 VAC**

Contact Retention Within Housing: **Without**

## Features

### Product Type Features

Discrete Wire Type	Stranded
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### Electrical Characteristics

Operating Voltage	600 VAC
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### Contact Features

Mating Pin Diameter	2.13 mm [.084 in]
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Contact Orientation	Straight
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Contact Type	Pin
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Contact Mating Area Plating Material	Tin
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Wire Contact Termination Area Plating Material	Pre-Tin
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Contact Retention Within Housing	Without
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Contact Base Material	Brass
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Contact Current Rating (Max)	7 A
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### Termination Features

Termination Method to Wire & Cable	Crimp
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Product Terminates To	Wire & Cable
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### Mechanical Attachment

Wire Insulation Support	Without
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### Dimensions

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

Operating Temperature Range	-55 – 120 °C [-67 – 248 °F]
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### Operation/Application

Circuit Application	Power
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### Industry Standards

Compatible With Agency/Standards Products	CSA, UL, VDE
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### Packaging Features

Packaging Quantity	3500
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Packaging Method	Reel
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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
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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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
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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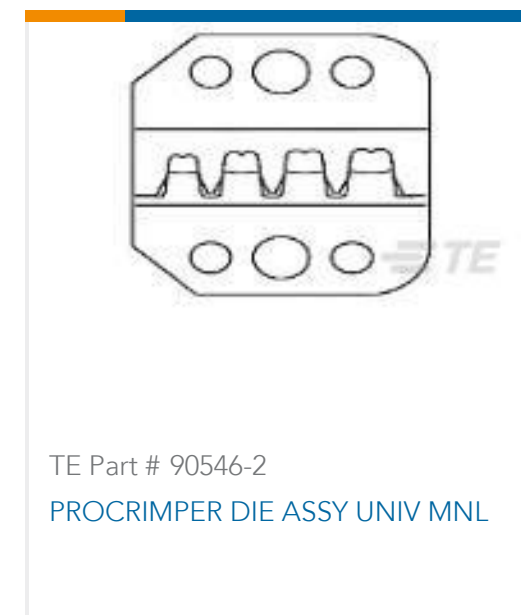
Solder Process Capability	Not applicable for solder process capability
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#### Product Compliance Disclaimer

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 # 770023-1  
15P UMNLI IN-LNE PLUG HSG KIT



TE Part # 770022-1  
12P UMNLI IN-LNE PLUG HSG KIT

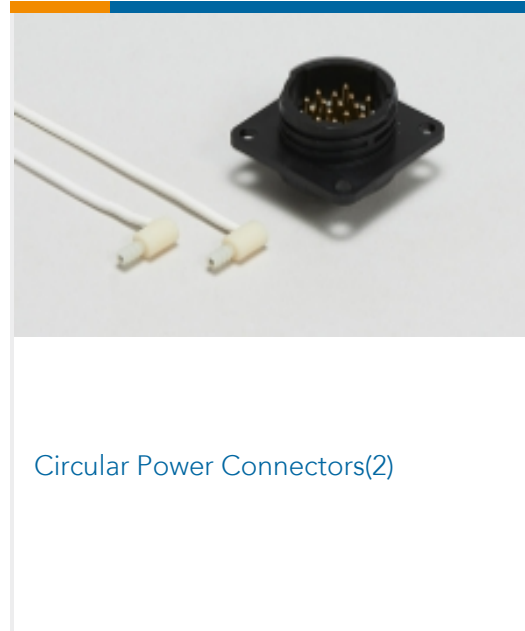


TE Part # 770016-1  
05P UMNLI IN-LNE PLUG HSG KIT

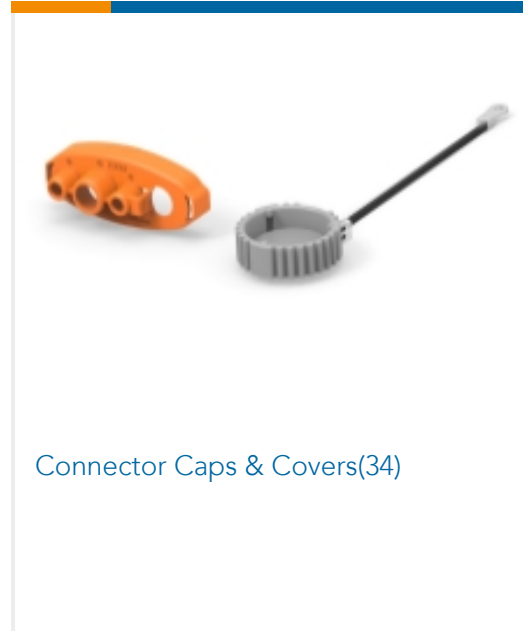


TE Part # 2151024-1  
OCEAN\_2.0\_Applicator-S-090F130F

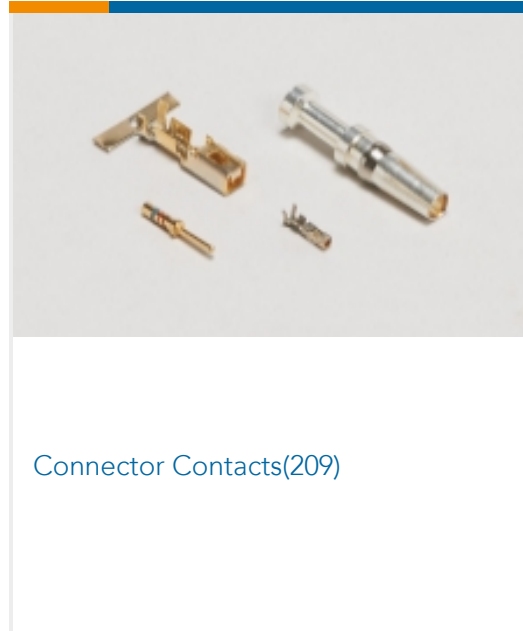
## Also in the Series | Universal MATE-N-LOK



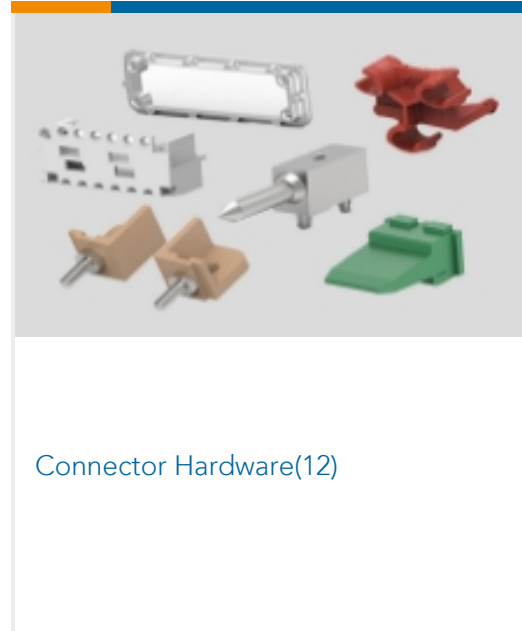
Circular Power Connectors(2)



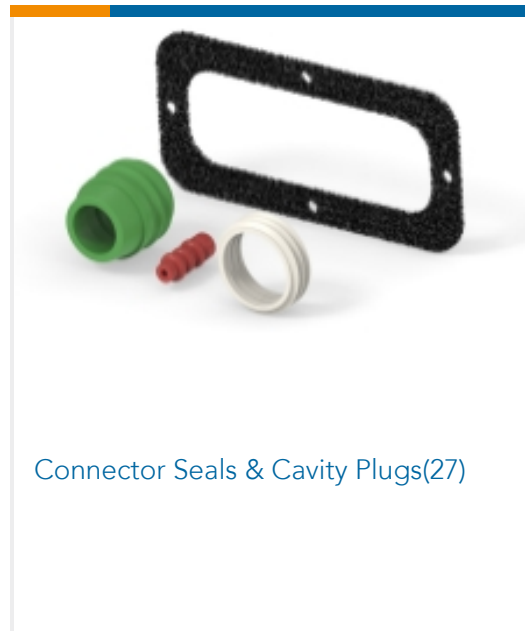
Connector Caps & Covers(34)



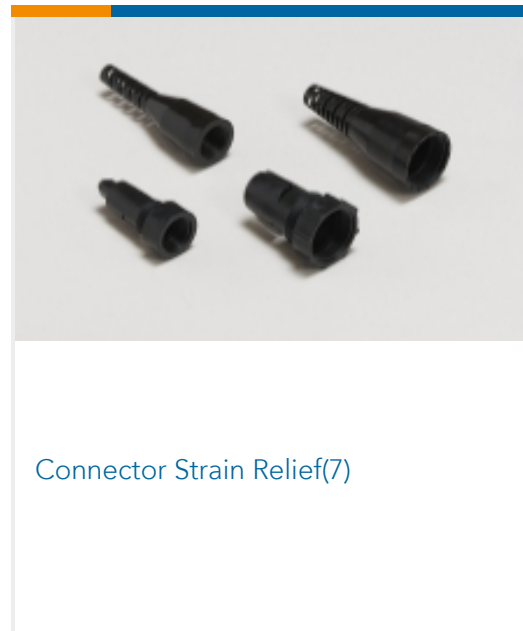
Connector Contacts(209)



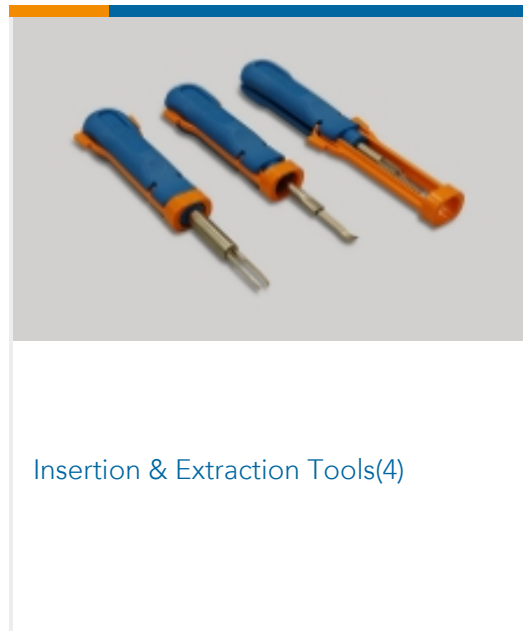
Connector Hardware(12)



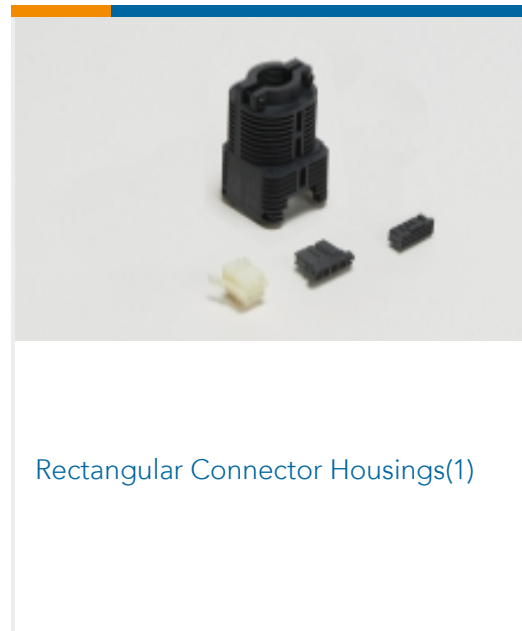
Connector Seals & Cavity Plugs(27)



Connector Strain Relief(7)



Insertion & Extraction Tools(4)



Rectangular Connector Housings(1)



Rectangular Power Connectors(672)

## Customers Also Bought



TE Part #3-643813-3  
03P MTA100 CONN ASSY POL RIB



TE Part #1658691-1  
HDP-22,PLUG,SIZE 1,15 POSN,CLI



TE Part #5-103945-2  
5X3 MTE SHRD PIN SR LATCH .100



TE Part #770028-1  
09P UMNLI IN-LINE CAP HSG KIT



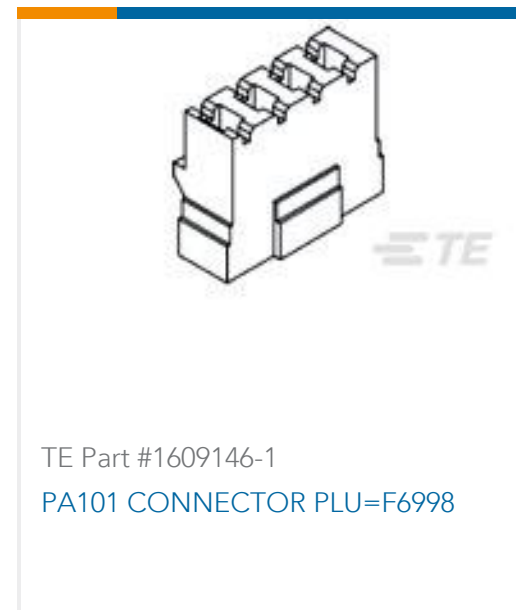
TE Part #770021-1  
09P UMNLI IN-LNE PLUG HSG KIT



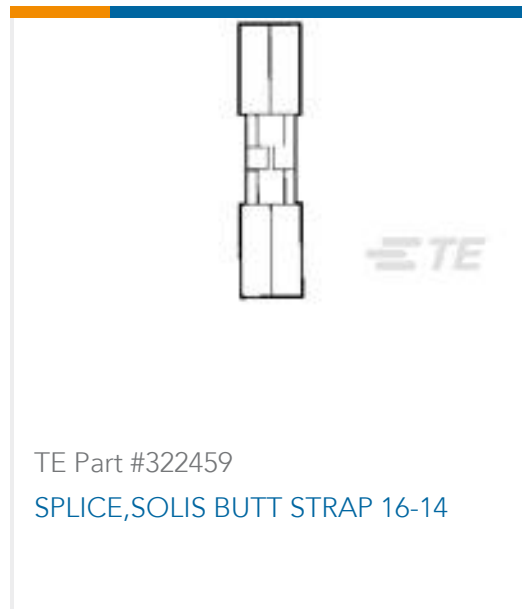
TE Part #770017-1  
02P UMNLI IN-LNE PLUG HSG KIT



TE Part #40888  
RING TERMINAL 20-16 AWG TPBR



TE Part #1609146-1  
PA101 CONNECTOR PLU=F6998



TE Part #322459  
SPLICE,SOLIS BUTT STRAP 16-14

## Documents

### Product Drawings

[UMNL II GROUND PIN 14-20 AWG](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_770193-1\\_R.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_770193-1\\_R.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_770193-1\\_R.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