



MATE-N-LOK | Commercial MATE-N-LOK

TE Internal #: 163300-8

Socket Contact, Tin, Locking Lance Contact Retention, 20 – 17 AWG Wire Size, .5 – 1 mm² Wire Size, Crimp, Phosphor Bronze, Commercial MATE-N-LOK

[View on TE.com >](#)

Connectors > Contacts > Connector Contacts



Contact Type: **Socket**

Contact Mating Area Plating Material: **Tin**

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

Contact Retention Within Housing: **With**

Contact Retention Type Within Housing: **Locking Lance**

Features

Product Type Features

Discrete Wire Type	Stranded
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Contact Features

Mating Pin Diameter	2.1 mm[.082 in]
Wire Contact Termination Area Plating Thickness	.4 – 3.5 μm[15.75 – 137.8 μin]
Contact Orientation	Straight
Contact Type	Socket
Contact Mating Area Plating Material	Tin
Wire Contact Termination Area Plating Material	Pre-Tin
Contact Retention Within Housing	With
Contact Base Material	Phosphor Bronze

Termination Features

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

Mechanical Attachment



Wire Insulation Support	Without
Contact Retention Type Within Housing	Locking Lance

Dimensions

Compatible Insulation Diameter Range	1.8 – 3.3 mm [.071 – .13 in]
Wire Size	.5 – 1 mm ²

Operation/Application

Circuit Application	Power
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Packaging Features

Packaging Quantity	4000
Packaging Method	Reel

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: 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>

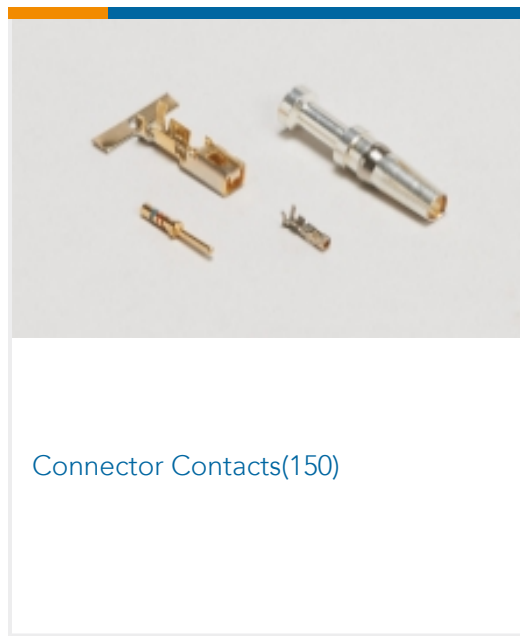
Compatible Parts



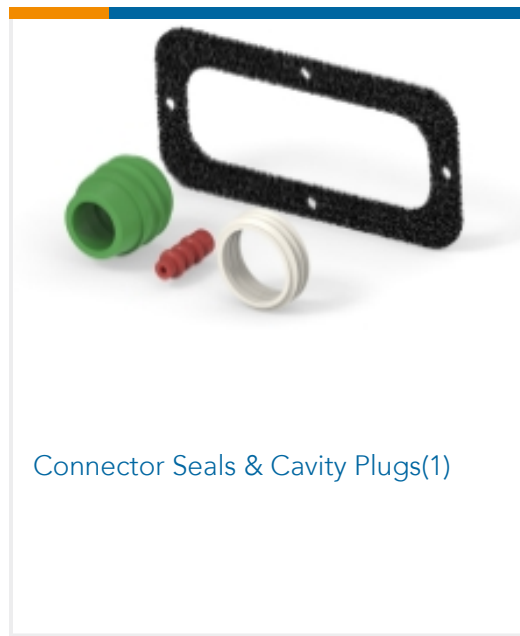
Also in the Series | Commercial MATE-N-LOK



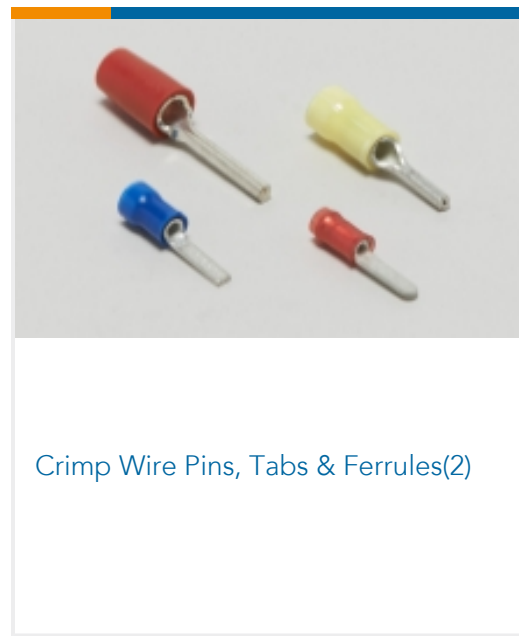
Connector Caps & Covers(2)



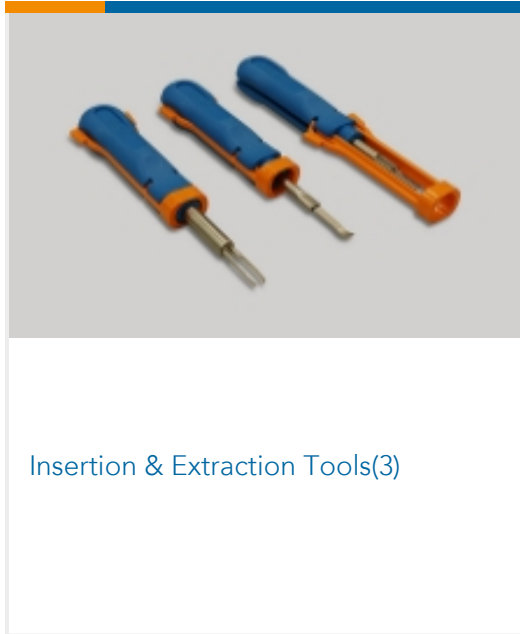
Connector Contacts(150)



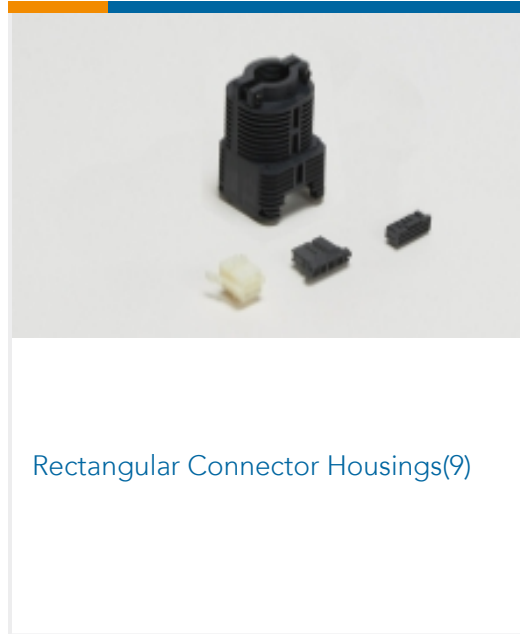
Connector Seals & Cavity Plugs(1)



Crimp Wire Pins, Tabs & Ferrules(2)



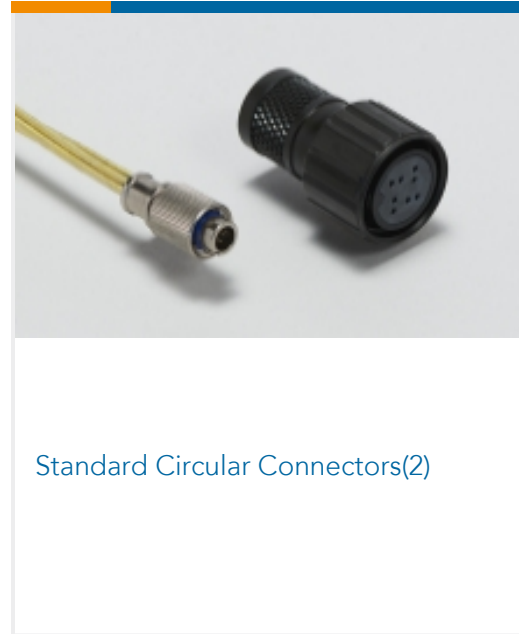
Insertion & Extraction Tools(3)



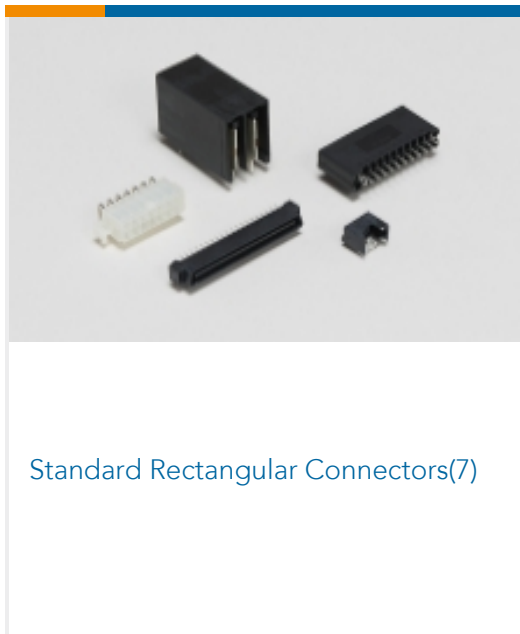
Rectangular Connector Housings(9)



Rectangular Power Connectors(167)



Standard Circular Connectors(2)

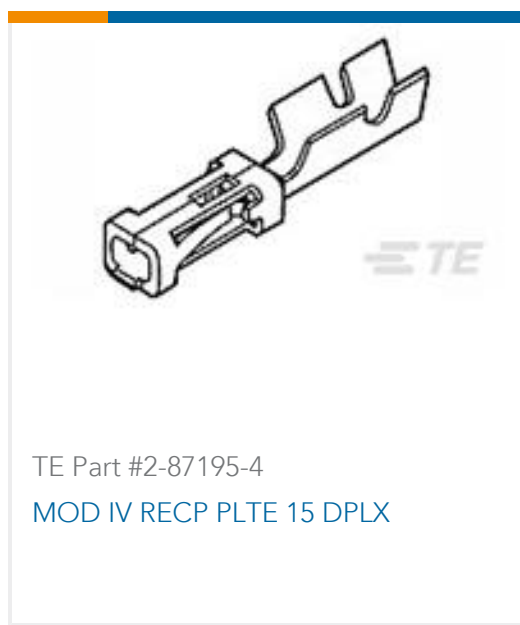


Standard Rectangular Connectors(7)

Customers Also Bought



TE Part #1-640250-0
10P SL156 HSG W/LCK RAMP NATL



TE Part #2-87195-4
MOD IV RECP PLTE 15 DPLX



TE Part #925076
4W CIRCULAR MATE-N-LOK SOCKET
HSG NAT



TE Part #61314-1
CMNL SOK 24-18 TPBR



TE Part #42486-2
187 FASTON FLAG REC 20-16 AWG
TPBR



TE Part #160626-2
110 FASTON,REC.,20-17 AWG,TPBR



TE Part #T0931000423-000
CODING-PIN-M3-TM



TE Part #T0931006524-000
CODING-PIN-M3-TF



Documents

Product Drawings

MATENLOK SOCKET

English

CAD Files

3D PDF

English

Customer View Model

[ENG_CVM_163300-8_J.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_163300-8_J.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_163300-8_J.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_163300-8_AD.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_163300-8_AD.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_163300-8_AD.3d_stp.zip](#)

English

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Product Specifications

Application Specification

English