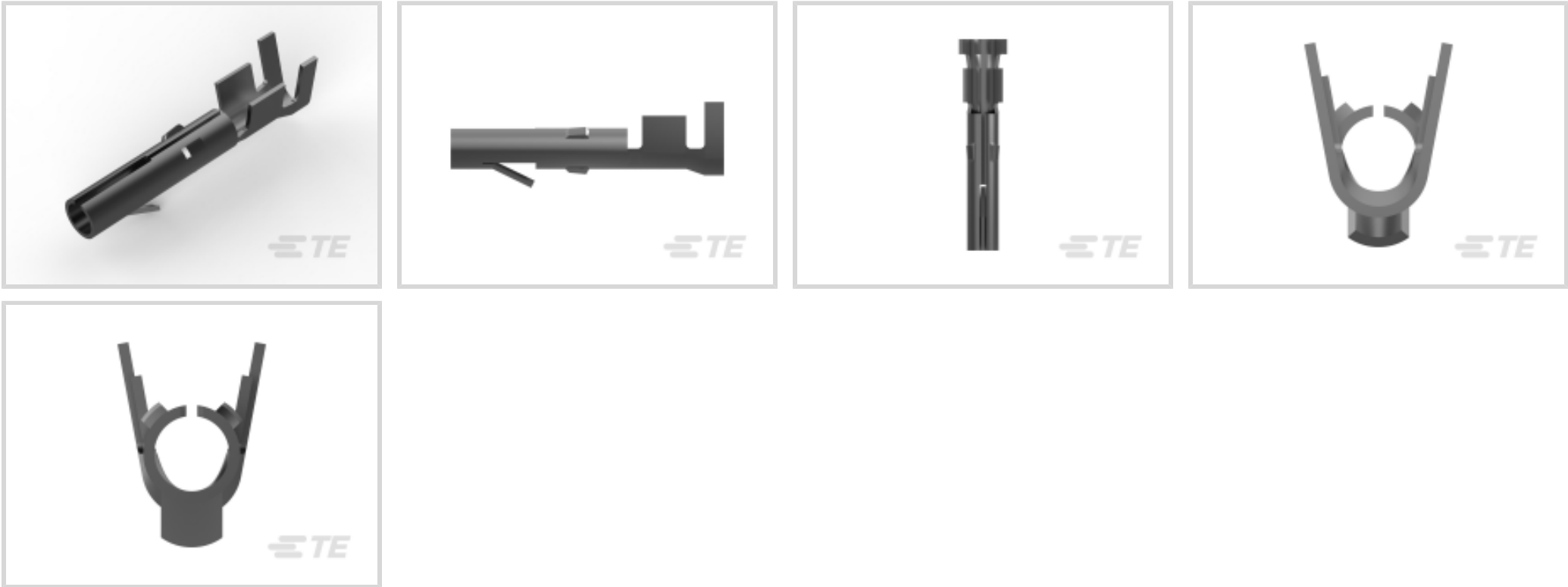




Connectors > Contacts > Connector Contacts



Contact Type: **Socket**
Contact Mating Area Plating Material: **Tin (Sn)**
Wire Contact Termination Area Plating Material: **Tin-Lead**
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

Contact Type	Socket
Contact Mating Area Plating Material	Tin (Sn)
Wire Contact Termination Area Plating Material	Tin-Lead
Contact Retention Within Housing	With
Contact Base Material	Phosphor Bronze
Mating Pin Diameter	2.1 mm[.082 in]
Wire Contact Termination Area Plating Material Finish	Bright
Contact Orientation	Straight

Termination Features

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

Mechanical Attachment



Contact Retention Type Within Housing	Locking Lance
Wire Insulation Support	Without

Dimensions

Wire Size	1 – 2.5 mm²
Compatible Insulation Diameter Range	2.5 – 3.8 mm[.098 – .15 in]

Operation/Application

Circuit Application	Power
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Packaging Features

Packaging Quantity	3500
Packaging Method	Reel

Product Compliance

For compliance documentation, visit the product page on TE.com>

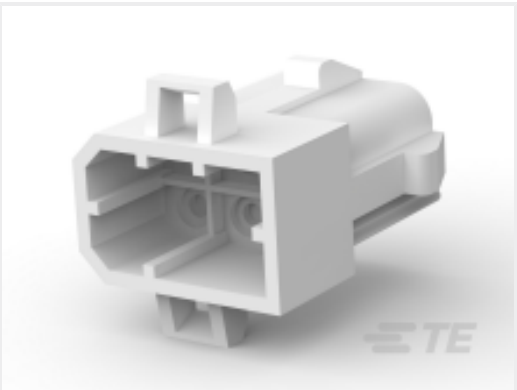
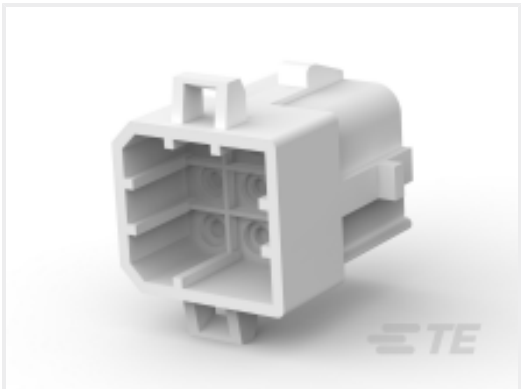
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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>



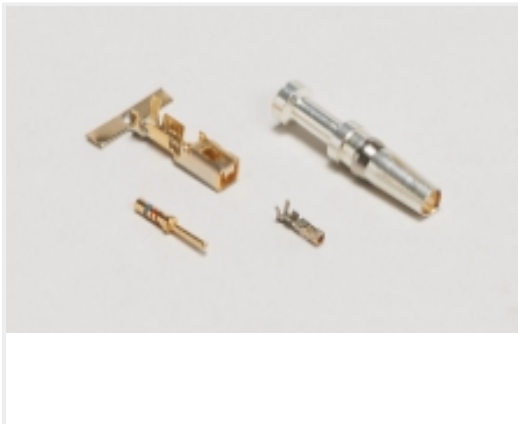
Compatible Parts

 TE Part # 1-480303-9 03P CMNL PLUG HSG F/H BLK	 TE Part # 2151997-1 OCEAN-2.0-APPLICATOR-S-090F130F-RSM	 TE Part # 1-480690-0 06P CMNL PLUG HSG D/L PM NAT	 TE Part # 171383-1 6 CIRCUIT M-N-L CAP
 TE Part # 1-171196-0 6 POS MATE-N-LOK S	 TE Part # 3-480426-0 04P CMNL CAP HSG, H-TEMP	 TE Part # 1-480349-0 01P CMNL PLUG HSG F/H NATL	 TE Part # 1-480400-0 01P CMNL PLUG HSG F/H BLK
 TE Part # 1-480683-0 02P CMNL PLUG HSG F/H NATL	 TE Part # 171268-1 CIRCUIT HOUSING CAP	 TE Part # 1-480286-0 10P CMNL CAP HSG M/M NATL	 TE Part # 1-480351-0 01P CMNL CAP HSG NATL
 TE Part # 1-480387-0 03P CMNL CAP HSG F/H BLK	 TE Part # 1-480278-0 12P CMNL CAP HSG P/M NATL	 TE Part # 770827-1 04P CMNL PLUG HSG 94-VO	 TE Part # 455830-1 INSERTION TOOL
 TE Part # 794132-1 04P CMNL CAP HSG	 TE Part # 1-480287-0 12P CMNL PLUG HSG M/M NATL	 TE Part # 1-480305-2 03P CMNL CAP HSG F/H RED	 TE Part # 1-480340-0 06P CMNL CAP HSG F/H NATL

Also in the Series | Commercial MATE-N-LOK



Connector Caps & Covers(2)



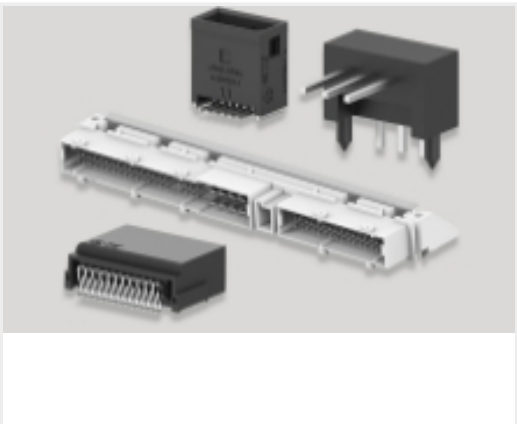
Connector Contacts(150)



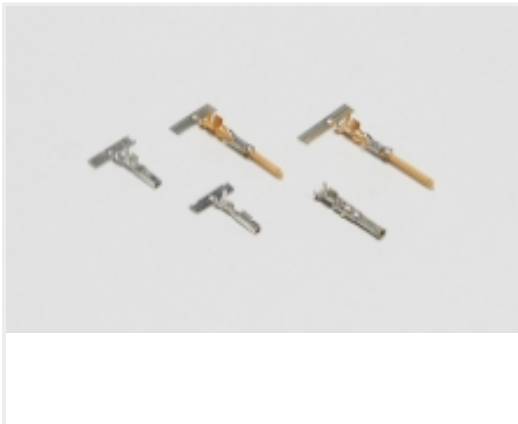
Connector Seals & Cavity Plugs(1)



Insertion & Extraction Tools(3)



PCB Headers & Receptacles(55)



Power Contacts(146)



Rectangular Power Connectors(181)



Standard Circular Connectors(2)

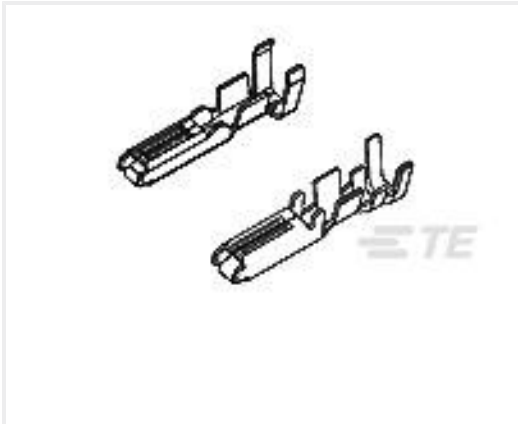


Wire-to-Board Headers & Receptacles
(55)

Customers Also Bought



TE Part #175124-1
070 MLC REC CONT



TE Part #345208-1
070 SERIES RECEPT.



TE Part #1-967622-2
JUN-POW-TIM GEH 12P



TE Part #1544334-3
PL 2V 8MM NG1 MONT



TE Part #1544965-1
8MM NG1+ TERMINAL



TE Part #1544968-1
TAB, 8MM NG1 PLUS



TE Part #1544980-1
TAB HOUSING, 8MM NG1 PLUS, 2 WAY



TE Part #1564980-2
AMP MCP 1.5K, CONTACT



Documents

Product Drawings
MATENLOK SOCKET

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_163302-8_W.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_163302-8_W.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_163302-8_W.3d_stp.zip

English

3D PDF

English

Customer View Model

ENG_CVM_163302-8_E.3d_igs.zip

English

Customer View Model

ENG_CVM_163302-8_E.3d_stp.zip

English

Customer View Model

ENG_CVM_163302-8_E.2d_dxf.zip

English

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Product Specifications

Application Specification

English