

770210-1 ✓ ACTIVE

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

TE Internal #: 770210-1

Tin (Sn), Pin Contact, 24 – 18 AWG, 600 VAC, .2 – .82 mm² Wire,
Locking Lance Contact Retention, Crimp, Brass, Power, Universal
MATE-N-LOK

[View on TE.com >](#)



Connectors > Contacts > Connector Contacts



Contact Type: **Pin**

Contact Mating Area Plating Material: **Tin (Sn)**

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

Operating Voltage: **600 VAC**

Contact Retention Within Housing: **With**

Features

Product Type Features

Discrete Wire Type	Stranded
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Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Contact Type	Pin
Contact Mating Area Plating Material	Tin (Sn)
Wire Contact Termination Area Plating Material	Pre-Tin
Contact Retention Within Housing	With
Contact Base Material	Brass
Contact Current Rating (Max)	19 A
Mating Pin Diameter	2.13 mm [.084 in]
Contact Orientation	Straight

Termination Features

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

Contact Retention Type Within Housing	Locking Lance
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Wire Insulation Support	Without
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Dimensions

Wire Size	.2 – .82 mm ²
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Compatible Insulation Diameter Range	1.52 – 3.3 mm [.06 – .13 in]
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Usage Conditions

Operating Temperature Range	-55 – 125 °C [-67 – 257 °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	5000
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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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
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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
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Halogen Content	Low Halogen - Br, Cl, F < 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 # 1-350735-2
12P UMNL V0 PLUG HSG RED



TE Part # 1-350767-9
03P UMNL V0 CAP HSG BLACK

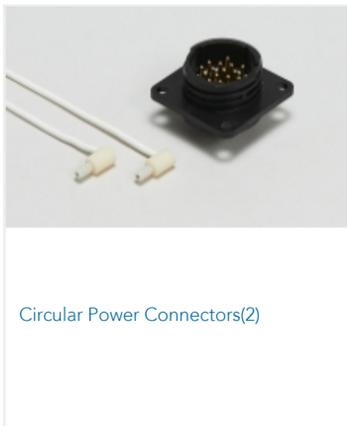


TE Part # 1-350766-4
03P UMNL V0 PLUG HSG YELLOW

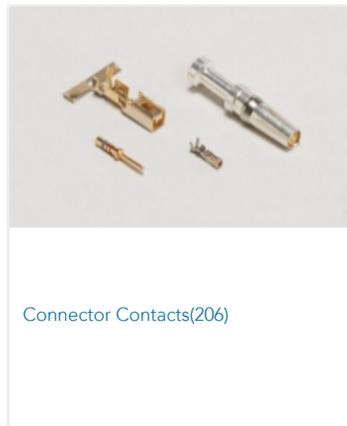


TE Part # 1-480705-2
06P UNML CAP HSG RED

Also in the Series | Universal MATE-N-LOK



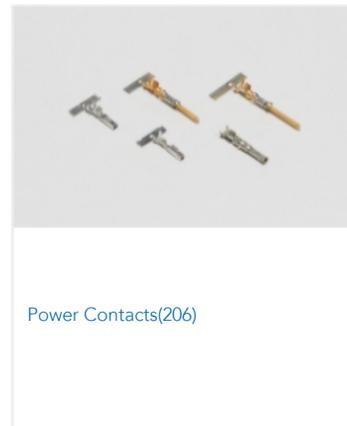
Circular Power Connectors(2)



Connector Contacts(206)



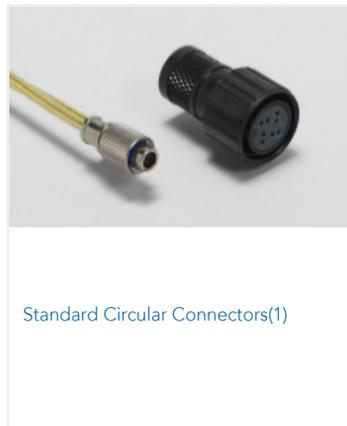
Connector Hardware(12)



Power Contacts(206)



Rectangular Power Connectors(642)



Standard Circular Connectors(1)

Customers Also Bought



TE Part #163555-6
MATENLOK PIN



TE Part #829265-3
3P HV100 REC.CON. B/TE,6,2,NO
KINK



TE Part #925076-7
4W CIRCULAR MATE-N-LOK SOCKET
HSG NAT



TE Part #2-1393480-8
V23529B1122B209=SUB D FEDERLEI



TE Part #3-1418448-2
3POS MCP1.5k REC HSG CO MID
POS CLOSED



TE Part #1601108-1
131-179-000=WIRE2WIRE,STD,SMZ



TE Part #1969603-4
4P RCPT VAL-U-LOK GW



TE Part #1969604-4
4P FH PLUG VAL-U-LOK FH GW



Documents

Product Drawings

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_770210-1_K.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_770210-1_K.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_770210-1_K.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY](#)

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[VDE Certificate](#)

English