



Connectors > Contacts > Connector Contacts



Contact Type: **Pin**
Contact Mating Area Plating Material: **Gold**
Wire Contact Termination Area Plating Material: **Tin**
Operating Voltage: **600 VDC**

Features

Product Type Features

Discrete Wire Type	Stranded
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Industry Standards

Compatible With Agency/Standards Products	UL, CSA
UL Flammability Rating	UL 94V-0

Mechanical Attachment

Wire Insulation Support	Without
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Packaging Features

Packaging Quantity	10000
Packaging Method	Reel

Dimensions

Compatible Insulation Diameter Range	.89 – 1.27 mm [.035 – .05 in]
Wire Size	.05 – .15 mm²

Contact Features

Contact Underplating Material	Nickel
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Contact Orientation	Straight
Mating Pin Diameter	1 mm[.039 in]
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Wire Contact Termination Area Plating Material Finish	Matte
Wire Contact Termination Area Plating Thickness	2.54 µm[100 µin]
Contact Type	Pin
Contact Mating Area Plating Material	Gold
Wire Contact Termination Area Plating Material	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 reviewed 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 # 189727-1
EXTRACTION TOOL



TE Part # 455830-1
INSERTION TOOL



TE Part # 1445825-1
RECPT,11-9,FREE HNG,STD KEY



TE Part # 1445828-1
REC,11-6,FRE HNG,SM INS,STD KE



TE Part # 1445421-3
REC,8-4,FLNG MT,LG INS,STD KEY



TE Part # 770586-1
22P MINI UMNL PLUG HSG

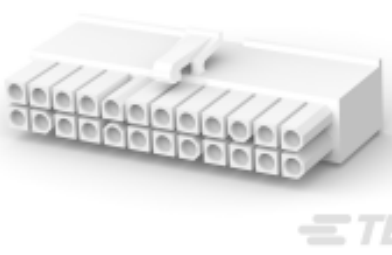
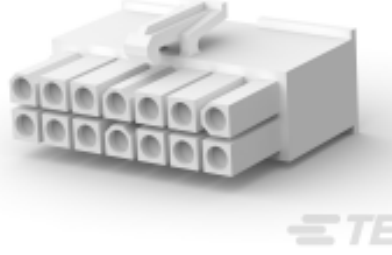
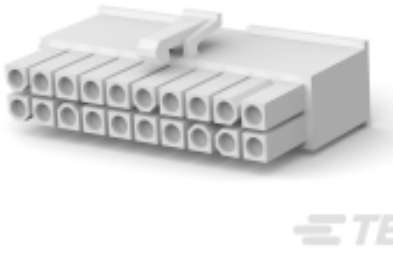
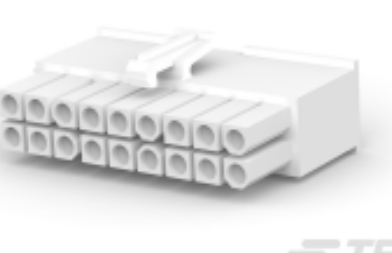
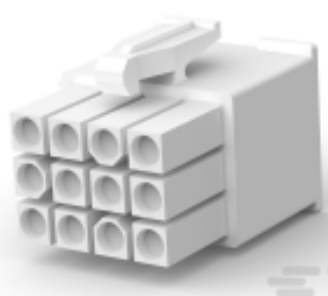
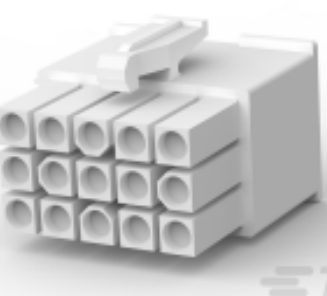
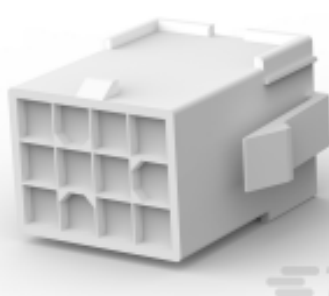


TE Part # 1445816-1
RECPT,11-9,FLNG MT,STD KEY

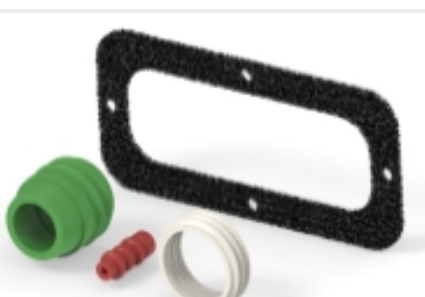
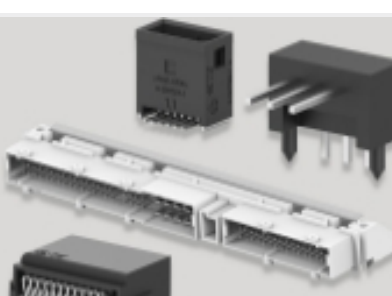


TE Part # 1445816-3
RECPT,11-9,FLNG MT,STD KEY



 TE Part # 770587-1 24P MINI UMNL PLUG HSG	 TE Part # 770582-1 14P MINI UMNL PLUG HSG	 TE Part # 770585-1 20P MINI UMNL PLUG HSG	 TE Part # 172333-1 MINI UNIVERSAL M-N-L HOUSING
 TE Part # 770581-1 12P MINI UMNL PLUG HSG	 TE Part # 770584-1 18P MINI UMNL PLUG HSG	 TE Part # 172328-1 MINI UNIVERSAL MATE-N-LOK CAP HOUSING 2P	 TE Part # 172330-1 MINI UNIVERSAL MATE-N-LOK CAP HOUSING 4P
 TE Part # 172170-1 12 CIR UNIV M-N-L PLUG	 TE Part # 172337-1 MINI UMNL PLUG HOUSING 3P	 TE Part # 172171-1 15 CIR UNIV M-N-L PLUG	 TE Part # 172162-1 12 CIR UNIV M-N-L CAP

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

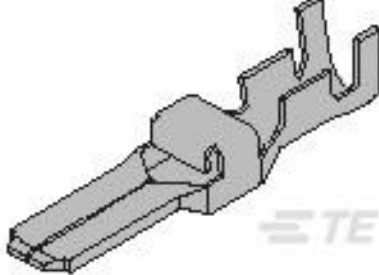
 Connector Caps & Covers(2)	 Connector Contacts(89)	 Connector Hardware(4)	 Connector Seals & Cavity Plugs(17)
 Connector Strain Relief(2)	 Insertion & Extraction Tools(1)	 PCB Headers & Receptacles(93)	 Rectangular Power Connectors(104)

Customers Also Bought





TE Part #1-178128-5
[DYNAMIC 3200 REC HSG 5P X](#)



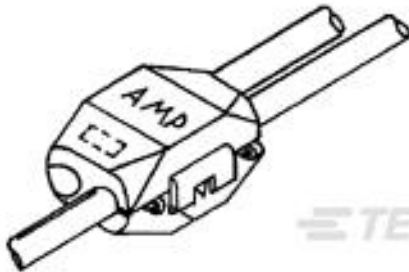
TE Part #84695-1
[D5000 TAB CONT M LONG REEL AU PLATING](#)



TE Part #1-480722-0
[04P CMNL PLUG HSG W/LCK NATL](#)



TE Part #1-770903-0
[MINI UMNL PIN 22-18 AWG AU](#)



TE Part #171425-1
[ELECTRO-TAP SPLICE](#)



TE Part #1-794058-0
[MINI UMNL SOK L/P LF](#)



TE Part #1445534-1
[PLUG,8-3,SMALL INS,STD KEY](#)



TE Part #389957J001
[Versafit-V2 Heat Shrink Tubing](#)

Documents

Product Drawings

[MINI UMNL PIN AU LF](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG_CVM_1-770835-0_H.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_1-770835-0_H.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_1-770835-0_H.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-770835-0_M.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-770835-0_M.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-770835-0_M.3d_stp.zip](#)

English



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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

Instruction Sheets

Instruction Sheet (U.S.)

English