



Connectors > Rectangular Connectors > Connector Contacts

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

Features

Product Type Features

Discrete Wire Type	Stranded
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Compatible With Wire & Cable Type	Discrete Wire
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Electrical Characteristics

Operating Voltage	600 VDC
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Contact Features

Contact Diameter	.99 mm[.039 in]
Contact Underplating Material Thickness	1.27 μ m[50 μ in]
Contact Mating Area Plating Material Thickness	.76 μ m[29.92 μ in]
Contact Underplating Material	Nickel
Contact Type	Pin
Contact Mating Area Plating Material	Gold
Wire Contact Termination Area Plating Material	Tin-Lead

Contact Retention Within Housing	With
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Contact Base Material	Brass
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Contact Current Rating (Max)	9.5 A
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Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance
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Dimensions

Compatible Insulation Diameter Range	.89 – 1.27 mm [.035 – .05 in]
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Wire Size	.05 – 1.2 mm ²
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Usage Conditions

Operating Temperature Range	-55 – 105 °C [-67 – 221 °F]
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Operation/Application

Circuit Application	Power
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Industry Standards

CSA Rating	Certified, LR 7189
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UL Rating	Recognized
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Agency/Standard	CSA, UL, VDE
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Packaging Features

Packaging Quantity	10000
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Packaging Method	Reel
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Other

Connector Contacts Comment	HDM Applicator part number ending in -1 is used on AMPOMATOR CLS Machine with T or G Terminators, -2 is used on AMP-O-LECTRIC Model K Machine, -3 is used on AMP-O-LECTRIC Model G Machine.
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Not Compliant
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EU ELV Directive 2000/53/EC	Compliant with Exemptions
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China RoHS 2 Directive MIIT Order No 32, 2016	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)

SVHC > Threshold:

Pb (13% in Component Part)

Article Safe Usage Statements:

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

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



TE Part # CAT-AM71-C83998EE
Mini Circular Plastic Connectors (CPC)



TE Part # 455830-1
INSERTION TOOL



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



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 # 770580-1
10P 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 # 172344-1
MINI UNIVERSAL MATE-N-LOK CAP HOUSING 3P



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



TE Part # 172338-1
MINI UMNL PLUG HOUSING 4P




TE Part # 172163-1
15 CIR UNIV M-N-L CAP




TE Part # 172340-1
MINI UMNL PLUG HOUSING 9P


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




Connector Backshells(2)



Connector Contacts(8)



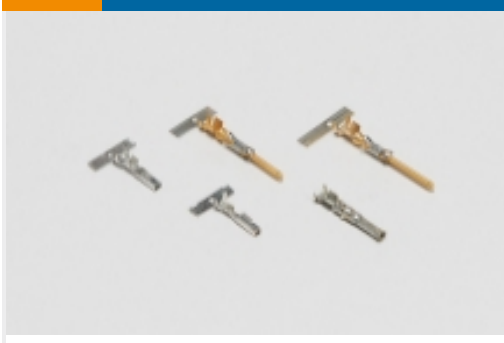
Connector Strain Relief(2)




Insertion & Extraction Tools(1)




PCB Headers & Receptacles(1)



Power Contacts(84)



Rectangular Connector Keying Plugs(2)



Rectangular Connector Locking(2)



Rectangular Connector Seals(17)



Rectangular Power Connectors(243)

Customers Also Bought



TE Part #1-917808-2
DYNAMIC D-5200M TAB HSG 4P X-X



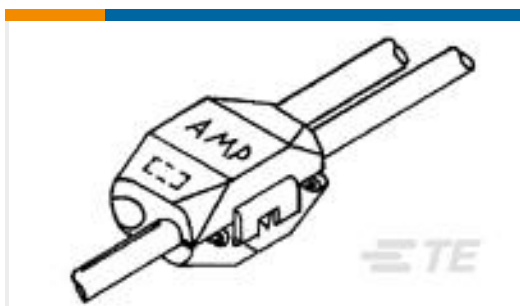
TE Part #1-480722-0
04P CMNL PLUG HSG W/LCK NATL



TE Part #1-770835-0
MINI UMNL PIN AU LF



TE Part #350218-6
UMNL PIN 20-14 .0125AUPHBZ



TE Part #171425-1
ELECTRO-TAP SPLICE



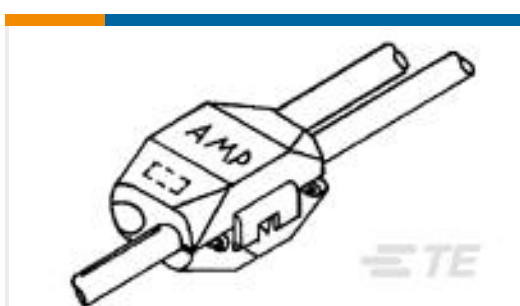
TE Part #1-917659-5
DYNAMIC 3200 D/ROW REC HSG 10P



TE Part #175196-3
Contact: Component To Wire; 15A, 28-14 wire size



TE Part #902837J001
V2-2.0-0-SP-SM



TE Part #177766-1
ELECTRO TAP ASSY

Documents

Product Drawings

[MINI UMNL PIN AU](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG_CVM_770835-3_H.3d_igs.zip](#)



English

Customer View Model

[ENG_CVM_770835-3_H.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_770835-3_H.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_770835-3_M.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_770835-3_M.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_770835-3_M.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG](#)

English

Product Specifications

[Application Specification](#)

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Product Environmental Compliance

[Product Compliance](#)

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[Product Compliance](#)

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Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

Agency Approvals

[Agency Approval Document](#)

English