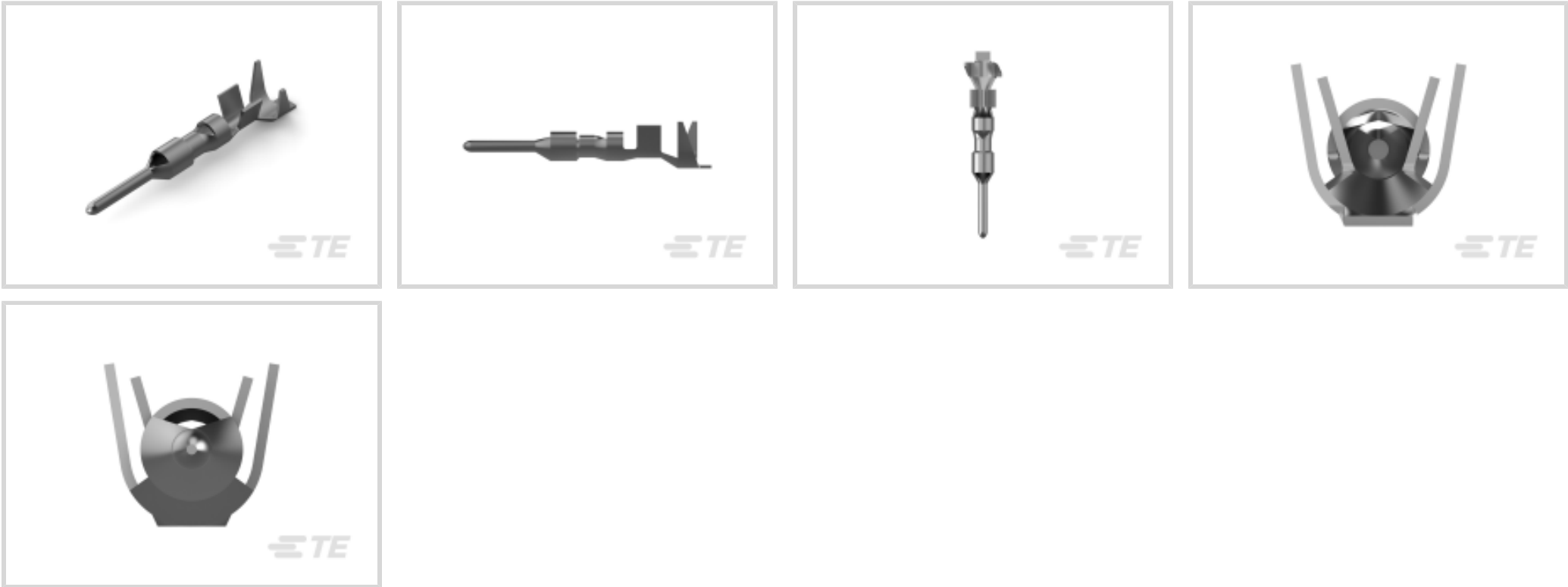




Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**
Operating Voltage: **600 VDC**
Contact Mating Area Plating Material: **Tin**
Wire Size: **20 – 16 AWG**

Features

Product Type Features

Power Contact Type	Contact
Connector System	Wire-to-Wire
Connector & Contact Terminates To	Wire & Cable

Electrical Characteristics

Operating Voltage	600 VDC
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Contact Features

Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	10.5 A
Contact Type	Pin
Contact Retention Within Housing	Without
Mating Pin Diameter	1 mm[.039 in]
Contact Base Material	Brass
Wire Contact Termination Area Plating Thickness	2.54 – 6.35 µm[100 – 250 µin]
Wire Contact Termination Area Plating Material	Pre-Tin
Wire Contact Termination Area Plating Material Finish	Matte



Contact Orientation	Straight
Barrel Type	Open Barrel

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
Wire Insulation Support	Without

Dimensions

Wire Size	.5 – 1.4 mm²
Accepts Wire Insulation Diameter Range	2 – 3.2 mm[.079 – .126 in]

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

Glow Wire Rating	Standard Part - Not Glow Wire
VDE Tested	No
Agency/Standard	CSA, UL
UL Rating	Recognized
UL File Number	E28476

Packaging Features

Packaging Method	Reel
Packaging Quantity	5000

Other

Wire/Cable Type	Discrete Wire
Wire Type	Stranded
For Use With	Plug or Cap Housing

Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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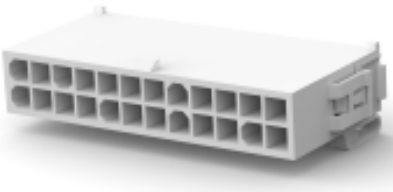
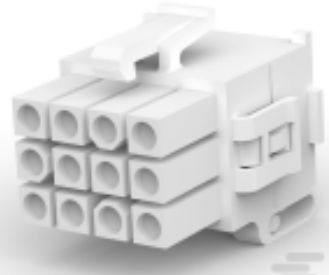
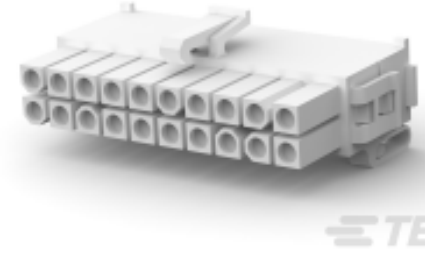
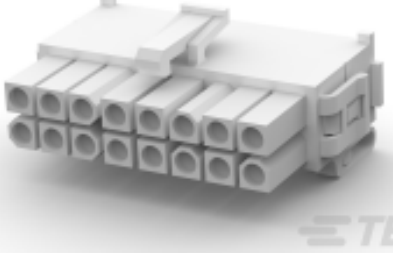
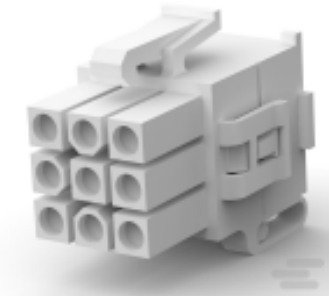


EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	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

 TE Part # 189727-1 EXTRACTION TOOL	 TE Part # 794215-1 24P MINI UMNL2 CAP HSG UL94V0	 TE Part # 794200-1 12P MINI UMNL2 PLUG HSG MATRIX	 TE Part # 794198-1 12P MINI UMNL2 PLUG HSG DBLROW
 TE Part # 794210-1 20P MINI UMNL2 PLUG HSG UL94V0	 TE Part # 794206-1 16P MINI UMNL2 PLUG HSG UL94V0	 TE Part # 794194-1 09P MINI UMNL2 PLUG HSG UL94V0	 TE Part # 794187-1 03P MINI UMNL2 CAP HSG UL94V0



TE Part # 794205-1
15P MINI UMNL2 CAP HSG UL94V0

TE Part # 794191-1
06P MINI UMNL2 CAP HSG UL94V0

TE Part # 794196-1
10P MINI UMNL2 PLUG HSG UL94V0

TE Part # 794192-1
08P MINI UMNL2 PLUG HSG UL94V0

TE Part # 794193-1
08P MINI UMNL2 CAP HSG UL94V0

TE Part # 794241-1
04P MINI UMNL2 PLUG HSG UL94V2

TE Part # 794190-1
06P MINI UMNL2 PLUG HSG UL94V0

TE Part # 794186-1
03P MINI UMNL2 PLUG HSG UL94V0

TE Part # 794185-1
02P MINI UMNL2 CAP HSG UL94V0

TE Part # 794189-1
04P MINI UMNL2 CAP HSG UL94V0

TE Part # 794184-1
02P MINI UMNL2 PLUG HSG UL94V0

TE Part # 794212-1
22P MINI UMNL2 PLUG HSG UL94V0

Also in the Series | Mini-Universal MATE-N-LOK 2

Connector Contacts(12)

Insertion & Extraction Tools(1)

Power Contacts(35)

Rectangular Power Connectors(49)

Documents

Product Drawings

MINI UMNL2 PIN 20-16AWG SN

English

CAD Files

3D PDF

3D

Customer View Model



[ENG_CVM_CVM_794222-1_J.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_794222-1_J.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_794222-1_J.3d_stp.zip](#)

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Datasheets & Catalog Pages

[SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG](#)

English

Product Specifications

[Engineering Report](#)

English

Product Environmental Compliance

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