



Connectors > Power Connectors > Power Contacts

Power Contact Type: **Contact**Operating Voltage: **250 VDC**Contact Mating Area Plating Material: **Gold**Wire Size: **24 – 20 AWG**

Features

Product Type Features

Compatible With Discrete Wire Type	Stranded
Power Contact Type	Contact
Connector & Contact Terminates To	Wire & Cable

Electrical Characteristics

Operating Voltage	250 VDC
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Contact Features

Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	5 A
Contact Type	Receptacle
Contact Retention Within Housing	With
Mating Square Post Dimension	.64 mm[.025 in]
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
Contact Mating Area Plating Material Finish	Bright
Wire Contact Termination Area Plating Thickness	2.54 μm[100 μin]



Wire Contact Termination Area Plating Material	Tin-Lead
Wire Contact Termination Area Plating Material Finish	Bright
Contact Orientation	Straight
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 μm[50 μin]

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance
Wire Insulation Support	Without

Dimensions

Wire Size	.2 – .5 mm ²
Compatible Insulation Diameter Range	.89 – 1.52 mm[.035 – .06 in]

Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
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Operation/Application

Circuit Application	Power
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Industry Standards

Agency/Standard	VDE
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Packaging Features

Packaging Quantity	15000
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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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 # 91501-1
CCII MICRO MNL REC 24-20 ASSY



Was called: SDE PEW 12
Now renamed to: SDE SA (no other physical changes)

TE Part # 91391-1
SDE PEW 12MICRO MNL HAND TOOL



TE Part # 843996-6
TOOL, EXTRACTION RESET



TE Part # 2151022-1
OCEAN_2.0_APPLICATOR-S-055F070F



KIT REPRESENTATION ONLY

TE Part # 7-2151022-7
OCEAN_2.0_SPARE_PART_KIT-055F070F



TE Part # 91391-2
SDE COMM MICRO MNL DIE SET



TE Part # 2151022-2
OCEAN_2.0_APPLICATOR-S-055F070F



TE Part # 2-2151022-1
OCEAN_2.0_APPLICATOR-S-055F070F



TE Part # 2-2151022-2
OCEAN_2.0_APPLICATOR-S-055F070F



TE Part # 2-2837550-1
OCEAN_2.0_Applicator-S-050F070F



TE Part # 2-2837550-2
OCEAN_2.0_Applicator-S-050F070F



TE Part # 2837550-1
OCEAN_2.0_Applicator-S-050F070F

TE Part # 2837550-2
OCEAN_2.0_Applicator-S-050F070F

TE Part # 7-2151022-1
OCEAN_2.0_APPLICATOR-S-055F070F

TE Part # 7-2151022-2
OCEAN_2.0_APPLICATOR-S-055F070F

TE Part # 7-2837550-1
OCEAN_2.0_Applicator-S-050F070F

TE Part # 7-2837550-2
OCEAN_2.0_Applicator-S-050F070F

TE Part # 7-2837550-7
OCEAN_2.0_SPARE_PART_KIT-050F070F

Also in the Series | **Micro MATE-N-LOK**

Insertion & Extraction Tools(1)

Power Contacts(27)

Rectangular Power Connectors(466)

Customers Also Bought

TE Part #2176117-4
TLR 1206 1.0W R002 1% 50PPM 2K RL

TE Part #2008571-2
2 POS MICRO MNL, TOP LATCH, BL

TE Part #2008625-1
Socket Micro MNL, TIN 22-18 AW

TE Part #2008571-3
3 POS MICRO MNL, TOP LATCH, BL

TE Part #1624154-2
23E 1MB 6.35X50FL B7 CAT

TE Part #4-2176339-2
CRGCO 0603 27K 1%

TE Part #4-2176339-6
CRGCO 0603 56K 1%

TE Part #4-2176339-7
CRGCO 0603 68K 1%



Documents

Product Drawings

[MICRO MNL RPT CNT STRIP 30AU](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_794606-3_K.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_794606-3_K.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_794606-3_K.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG](#)

English

[MICRO MATE-N-LOK CONNECTOR SYSTEM](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[Product Compliance Document](#)

English

[Product Compliance Document](#)

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