



Connectors > Power Connectors > Circular Power > Circular Power Connectors > MINI CPC



Connector Product Type: **Housing**
Operating Voltage: **250 VDC**
Wire Size: **.0509 – .823 mm²**
Connector System: **Wire-to-Wire**

[All MINI CPC \(53\)](#)

Features

Product Type Features

Connector Product Type	Housing
Connector System	Wire-to-Wire
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Connector & Housing Type	Receptacle
Circular Connector Shell Type	All Plastic

Configuration Features

Number of Positions	2
Number of Power Positions	0
Seal Type	Peripheral, Wire Entry Seal
Number of Signal Positions	2

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Reverse Gender	No
Contact Type	Pin
Contact Current Rating (Max)	7.5 A



Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Screw & Hole Thread Size	5/8-24 UNEF-2A and 1/2-20 UNF-2A
Connector Mounting Type	Panel Mount
Mating Alignment	With
Mating Retention	With
Panel Mount Feature	With
Mating Retention Type	Threaded Coupling

Housing Features

Housing Color	Black
Housing Material	Thermoplastic
Circular Connector Shell Size	8

Dimensions

Wire Size	.0509 – .823 mm²
Accepts Wire Insulation Diameter Range	.89 – 1.5 mm[.035 – .059 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Fluid Resistance	Immersion

Operation/Application

Circuit Application	Power & Signal
Shielded	No

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Carton
Packaging Quantity	100

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

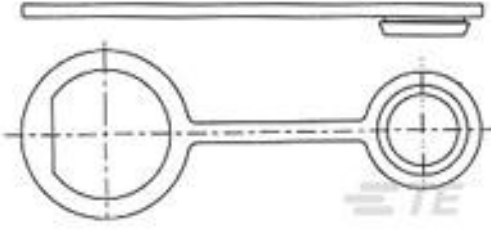
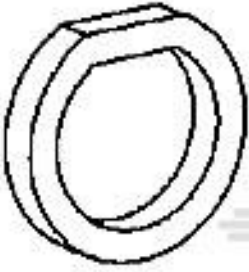
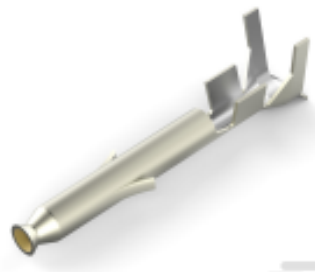
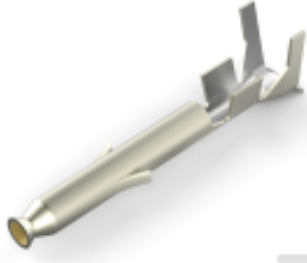
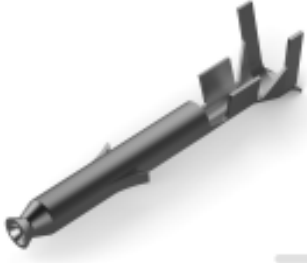


China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2021 (219) Candidate List Declared Against: JUL 2021 (219) Does not contain REACH SVHC
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not reviewed for solder process capability

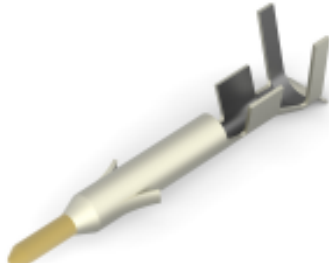
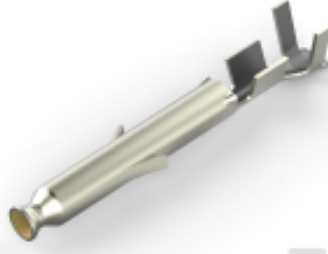
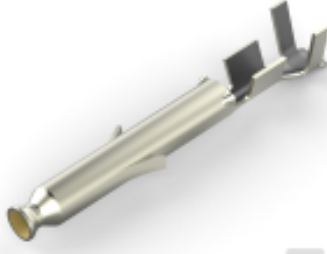
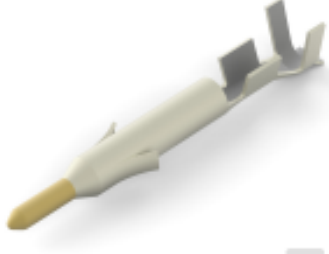
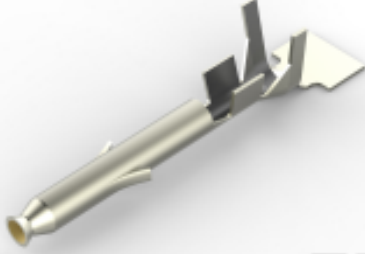
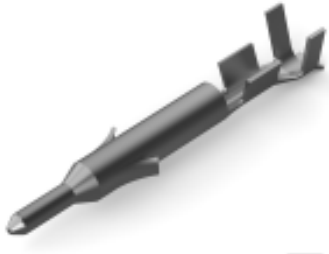
Product Compliance Disclaimer

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

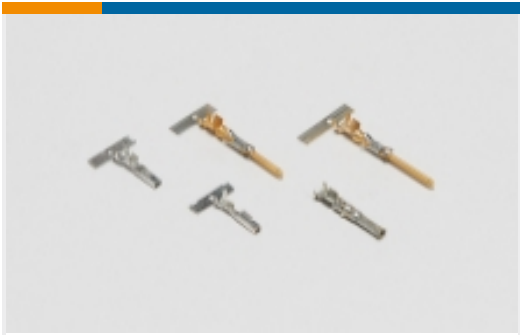
 TE Part # CAT-AM71-C83998EE MINI CPC	 TE Part # 1604089-1 CAP,DUST,SIZE 8	 TE Part # 1445420-1 SEAL,FLANGE, SIZE 8/M13.5	 TE Part # 770988-3 MINI UMNL SOK 22-18AWG AU LP
 TE Part # 1-770988-0 MINI UMNL SOK 22-18AWG AU	 TE Part # 1-794059-0 MINI UMNL PIN L/P LF	 TE Part # 770988-1 MINI UMNL SOK 22-18AWG SN LP	 TE Part # 770986-1 MINI UMNL SOK 26-22AWG SN LP



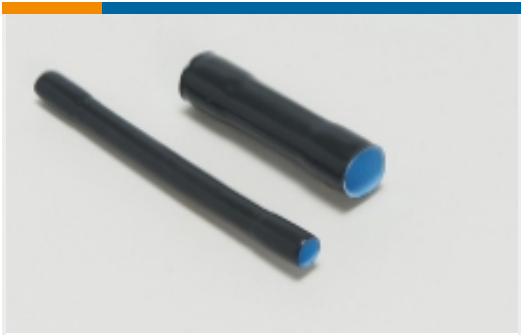
 TE Part # 794058-1 MINI UMNL SOK L/P	 TE Part # 770985-1 MINI UMNL PIN 26-22AWG SN LP	 TE Part # 770903-3 MINI UMNL PIN 22-18 AWG AU	 TE Part # 794059-1 MINI UMNL PIN L/P
 TE Part # 1-770902-1 MINI UMNL SOK 26-22 AWG AU LF	 TE Part # 770902-3 MINI UMNL SOK 26-22 AWG AU	 TE Part # 1-770901-0 MINI UMNL PIN 26-22 AWG AU LF	 TE Part # 1-770835-0 MINI UMNL PIN AU LF
 TE Part # 770904-3 MINI UMNL SOK 22-18 AWG AU	 TE Part # 1-770902-0 MINI UMNL SOK 26-22 AWG AU	 TE Part # 770901-1 MINI UMNL PIN 26-22 AWG SN	 TE Part # 770903-1 MINI UMNL PIN 22-18 AWG SN

Also in the Series | AMP CPC

 Circular Connector Adapters(7)	 Circular Connector Boots & Strain Relief(6)	 Circular Connector Caps & Covers(16)	 Circular Connector Hardware(3)
 Circular Connector Keying Plugs(2)	 Circular Connector Seals(36)	 Circular Power Connectors(513)	 Insertion & Extraction Tools(1)



Power Contacts(6)



Sealing Sleeves(2)



Unscreened Circular Connector Backshells & Clamps(56)

Customers Also Bought



TE Part #1445535-1
MINI CPC



TE Part #1-2273035-2
M12 x 1.0 straight socket pigt A



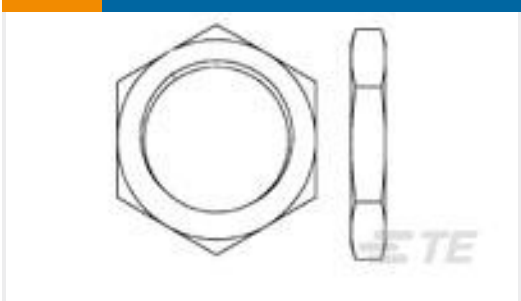
TE Part #1445420-1
SEAL,FLANGE, SIZE 8/M13.5



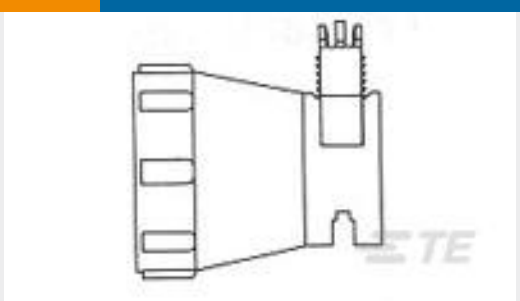
TE Part #770988-1
MINI UMNL SOK 22-18AWG SN LP



TE Part #8-640917-1
RECEPT,PIDG FASTON 22-18 187



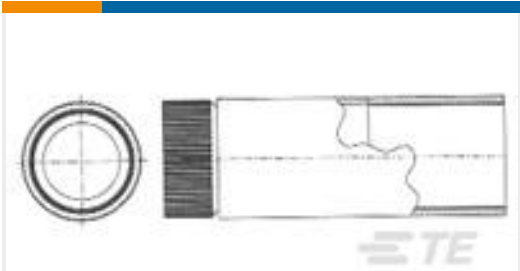
TE Part #1604196-1
NUT,JAM,5/8-24,PKG QTY 100



TE Part #1445730-1
STRN RELIEF ASY,STRT SIZE 8



TE Part #926902-1
UNIV-MNL SPLIT ST



TE Part #1546997-1
STR RLF ASSY,TUBING,SIZE 8

Documents

Product Drawings

REC,8-2,FLNG MT,SM INS,STD KEY

English

CAD Files

Customer View Model

ENG_CVM_CVM_1445538-1_B1.2d_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_1445538-1_B1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1445538-1_B1.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[1-1773902-9_CPC_Catalog](#)

German

[1-1773902-9_CPC_Catalog](#)

English

[1-1773902-9_CPC_Catalog](#)

[1-1773902-9_CPC_Catalog](#)

Japanese

[AMP Circular Connectors for Commercial Signal & Power Applications Continued](#)

English

Product Specifications

[Application Specification](#)

English