

1445826-1 ✓ ACTIVE

AMP | AMP CPC

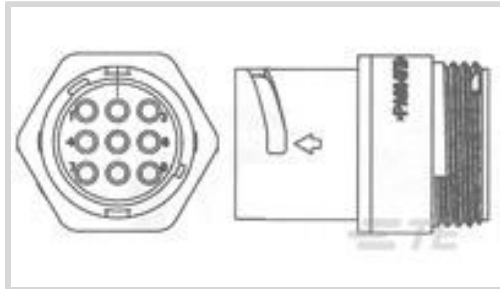
TE Internal #: 1445826-1

AMP CPC, Circular Power Connectors, Housing, Operating Voltage 250 VDC, 30 – 18AWG Wire Size, .0509 – .823mm<sup>2</sup> Wire Size, Wire-to-Wire, 8 Position

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Connector Product Type: **Housing**

Operating Voltage: **250 VDC**

Wire Size: **.0509 – .823 mm<sup>2</sup>**

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

Reverse Numbering	Without
Number of Positions	8
Number of Power Positions	0
Seal Type	Peripheral, Wire Entry Seal
Number of Signal Positions	8

### Electrical Characteristics

Operating Voltage	250 VAC
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### Contact Features

Reverse Gender	No
Contact Type	Pin



Contact Current Rating (Max)	5.9 A
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### Termination Features

Termination Method to Wire & Cable	Crimp
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### Mechanical Attachment

Screw & Hole Thread Size	3/4-20 UNEF-2A
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Mating Alignment	With
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Mating Retention	With
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Panel Mount Feature	Without
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Mating Retention Type	Threaded Coupling
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### Housing Features

Housing Color	Black
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Housing Material	Thermoplastic
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Circular Connector Shell Size	11
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### Dimensions

Wire Size	.0509 – .823 mm <sup>2</sup>
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Accepts Wire Insulation Diameter Range	.89 – 1.5 mm [.035 – .059 in]
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### Usage Conditions

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

Circuit Application	Power & Signal
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Shielded	No
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### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Method	Bag
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Packaging Quantity	100
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### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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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: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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


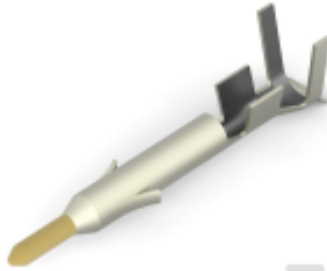


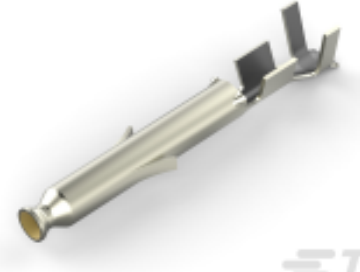
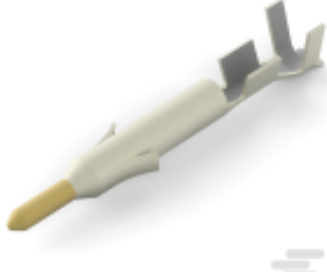

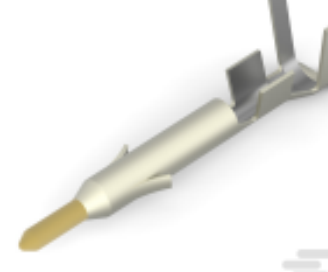




Product Compliance Disclaimer

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

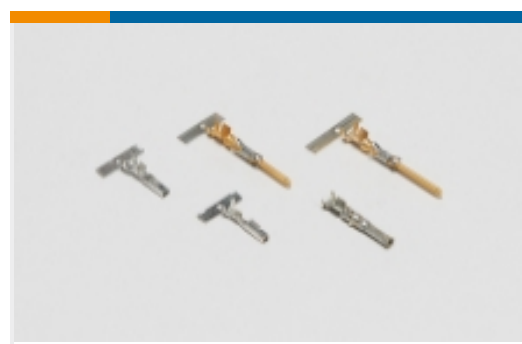
 <p>TE Part # CAT-AM71-C83998EE MINI CPC</p>	 <p>TE Part # 1-770988-1 MINI UMNL SOK 22-18AWG LP LF</p>	 <p>TE Part # 1-770987-0 MINI UMNL PIN 22-18 AWG AU LP</p>	 <p>TE Part # 770988-3 MINI UMNL SOK 22-18AWG AU LP</p>
 <p>TE Part # 1-770988-0 MINI UMNL SOK 22-18AWG AU</p>	 <p>TE Part # 1-794059-0 MINI UMNL PIN L/P LF</p>	 <p>TE Part # 770988-1 MINI UMNL SOK 22-18AWG SN LP</p>	 <p>TE Part # 794058-1 MINI UMNL SOK L/P</p>



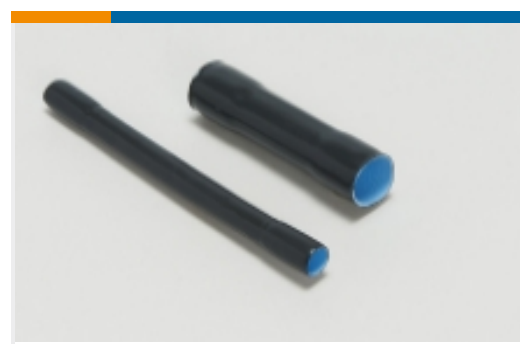
 <p>TE Part # 770985-1 MINI UMNL PIN 26-22AWG SN LP</p>	 <p>TE Part # 770903-3 MINI UMNL PIN 22-18 AWG AU</p>	 <p>TE Part # 794059-1 MINI UMNL PIN L/P</p>	 <p>TE Part # 1-770902-1 MINI UMNL SOK 26-22 AWG AU LF</p>
 <p>TE Part # 770902-3 MINI UMNL SOK 26-22 AWG AU</p>	 <p>TE Part # 1-770901-0 MINI UMNL PIN 26-22 AWG AU LF</p>	 <p>TE Part # 1-770835-0 MINI UMNL PIN AU LF</p>	 <p>TE Part # 1-770903-0 MINI UMNL PIN 22-18 AWG AU</p>
 <p>TE Part # 770904-3 MINI UMNL SOK 22-18 AWG AU</p>	 <p>TE Part # 1-770902-0 MINI UMNL SOK 26-22 AWG AU</p>	 <p>TE Part # 770904-6 MINI UMNL SOK CONT 22-18AWG AU</p>	 <p>TE Part # 770901-1 MINI UMNL PIN 26-22 AWG SN</p>

Also in the Series | AMP CPC

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



Power Contacts(5)



Sealing Sleeves(2)



Unscreened Circular Connector Backshells &amp; Clamps(56)

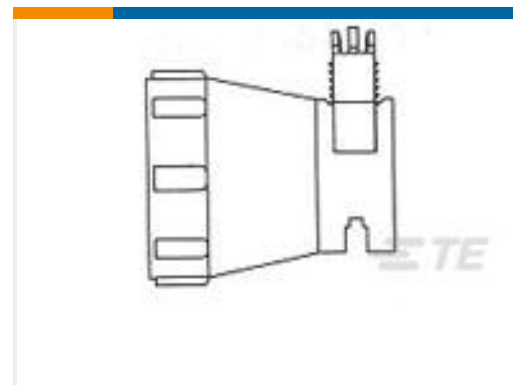
## Customers Also Bought



TE Part #1-644042-2  
Nylon Gold Plated Receptacle: 2.54 mm, With Mating Alignment, MTA 100



TE Part #1445420-2  
SEAL,FLANGE,SIZE 11



TE Part #1445856-1  
STR RELIEF ASY,STRAIGHT SZ 11



TE Part #1-745508-2  
FERRULE SPLIT RING, HD



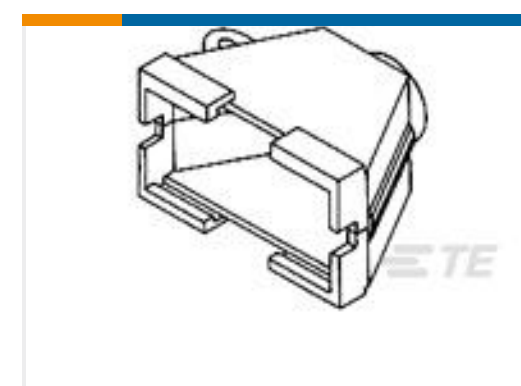
TE Part #1445817-1  
MINI CPC



TE Part #1-51692-6  
N SERIES PLUG RG 217



TE Part #90758-1  
PROCRIMP TL W/DIE MIN UNIV MNL



TE Part #1-350374-9  
12P STR/REL HNGD

## Documents

### Product Drawings

REC,11-8,FRE HNG,SM INS,STD KE

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1445826-1\\_B1.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1445826-1\\_B1.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1445826-1\\_B1.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

[1-1773902-9\\_CPC\\_Catalog](#)

German

[1-1773902-9\\_CPC\\_Catalog](#)

English

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

English

[1-1773902-9\\_CPC\\_Catalog](#)

Japanese

[1-1773902-9\\_CPC\\_Catalog](#)

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### Product Specifications

[Application Specification](#)

English