

1977882-1 ✓ ACTIVE

AMP | AMP CPC

TE Internal #: 1977882-1

Circular Power Connectors, Housing, 600 VDC, Wire-to-Wire, 9 Position, Sealable, Wire & Cable, Receptacle, Pin, Signal, Black, All Plastic, AMP CPC

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Connectors > Power Connectors > Circular Power > Circular Power Connectors > One-Piece Connector, Sealed, CPC Series 1



Connector Product Type: **Housing**

Operating Voltage: **600 VDC**

Connector System: **Wire-to-Wire**

Number of Positions: **9**

Sealable: **Yes**

[All One-Piece Connector, Sealed, CPC Series 1 \(33\)](#)

## Features

### Product Type Features

Connector Seal & Plug Type	Peripheral, Wire Entry Seal
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	9
Number of Power Positions	0
Number of Signal Positions	9



### Electrical Characteristics

Operating Voltage	600 VAC
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### Contact Features

Reverse Gender	No
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Contact Type	Pin
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Contact Protection	With
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### Mechanical Attachment

Mating Alignment Type	Keyed
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Mating Alignment	With
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Panel Mount Feature Type	Flange with Mounting Holes
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Mating Retention Type	Threaded Coupling
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Thread Size	3/4 - 20 UNEF-2A
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Polarization Code	A
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Connector Mounting Type	Panel Mount
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Mating Retention	With
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Panel Mount Feature	With
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### Housing Features

Body Orientation	Straight
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Housing Color	Black
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Housing Material	Nylon (UV Resistant)
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Circular Connector Shell Size	13
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### Dimensions

Compatible Insulation Diameter Range	1.65 – 2.54 mm [.065 – .1 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	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 Quantity	1
Packaging Method	Package

### 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: 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 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 # 54123-1  
CPC, 13 LONG TUBE



TE Part # 81665-4  
ECONOSEAL, FLANGE GASKET



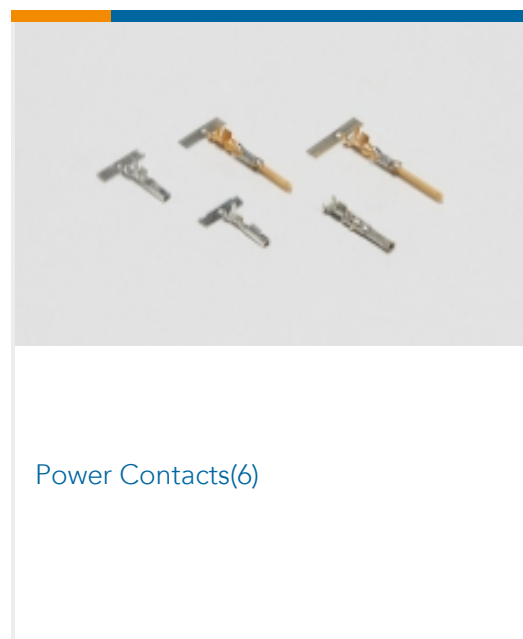
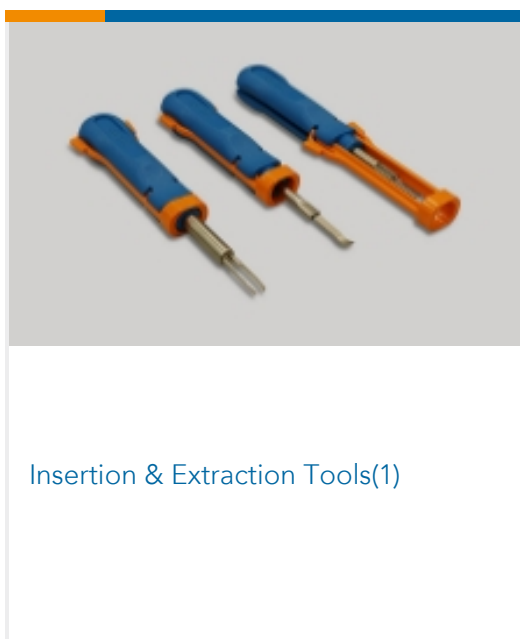
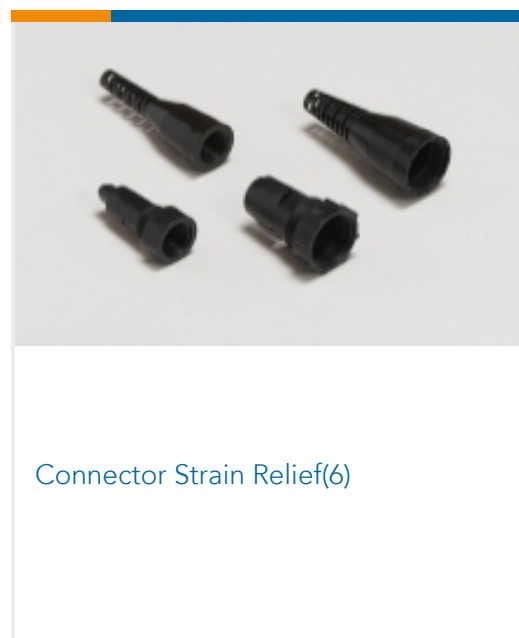
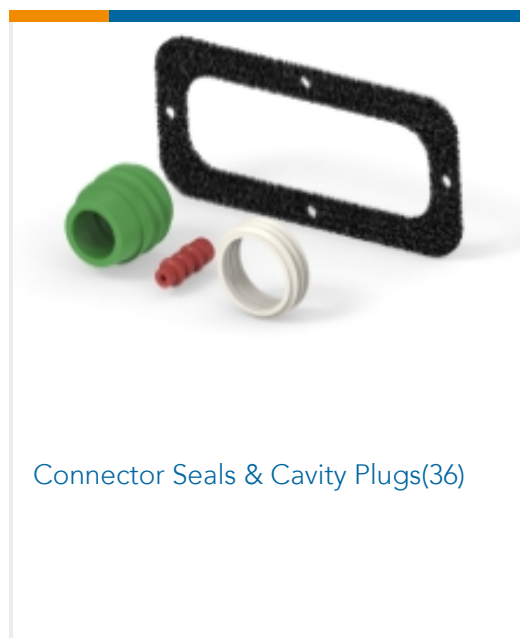
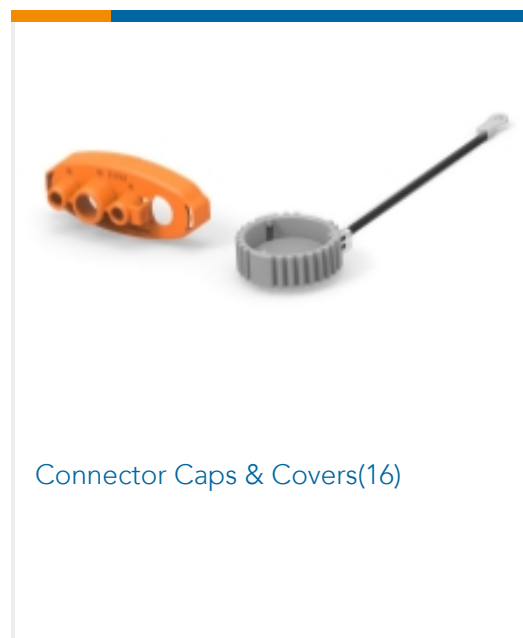
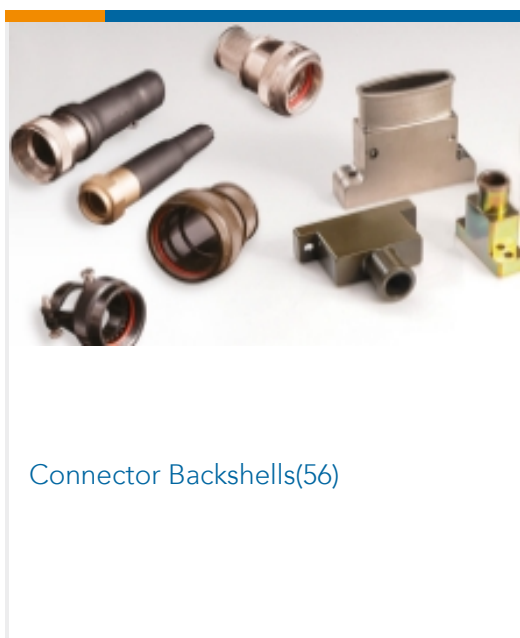
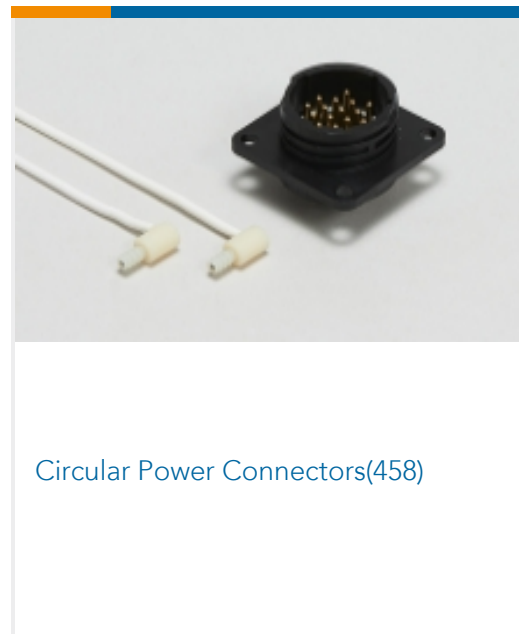
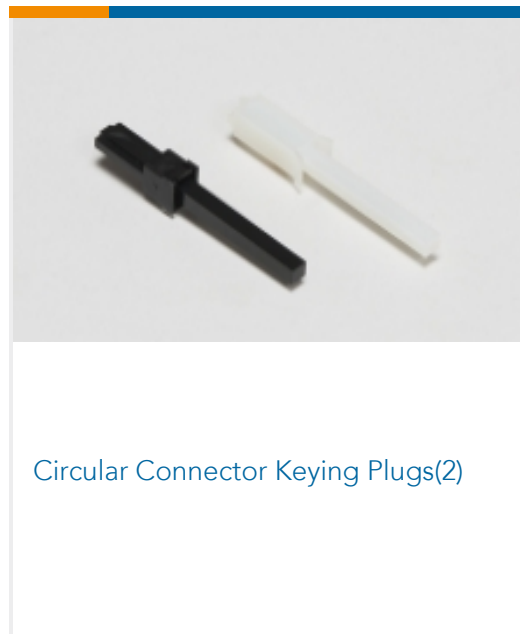
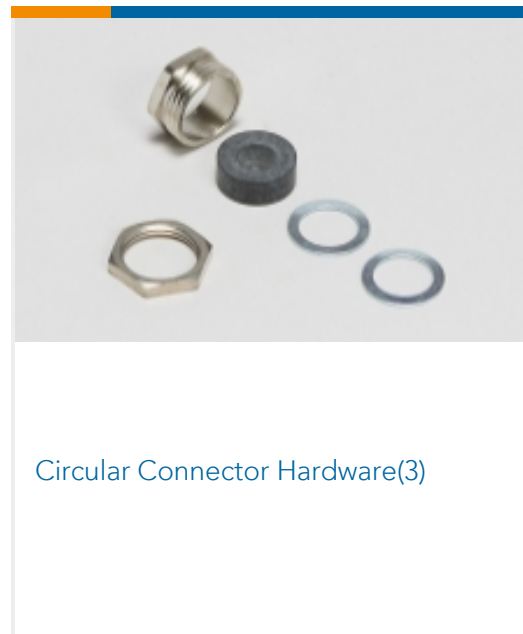
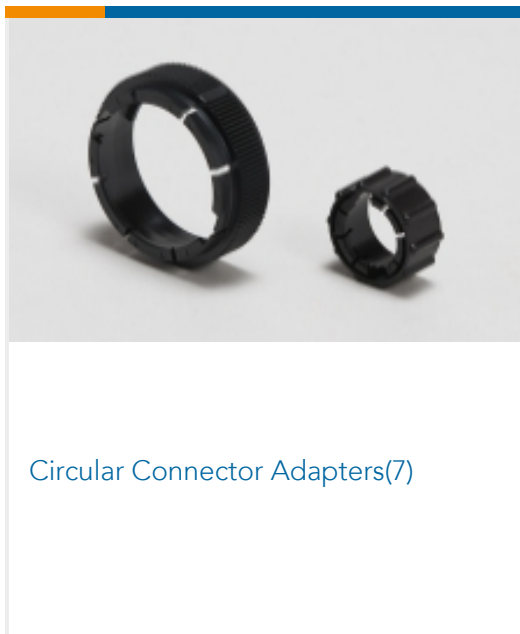
TE Part # 211870-2  
SEALING CAP ASSY, SZ 13, CPC



TE Part # 1977884-1  
SLD CPC PLUG ASSY, 13-9, STD SEX, UV RESIS

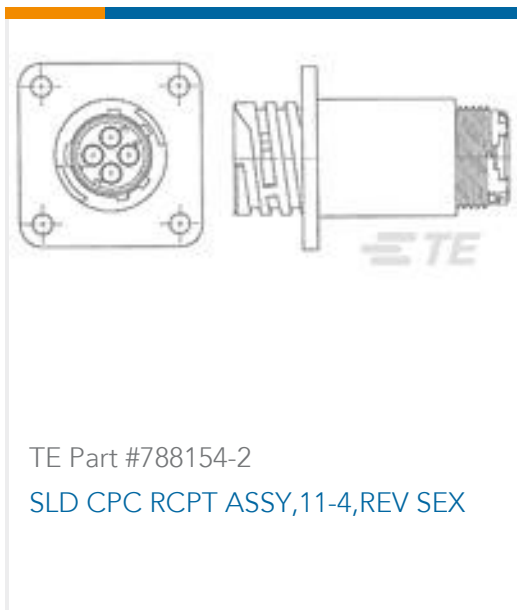


Also in the Series | AMP CPC



Customers Also Bought





TE Part #788154-2  
SLD CPC RCPT ASSY,11-4,REV SEX



TE Part #91513-1  
CCII HD-20 PIN SKT 22-18 ASSY



TE Part #130106  
TERM, RT, SOLIS, 16-14, M5



TE Part #2103181-2  
CABLE SEAL RTNR, SIZE B, HVA280-2PI XE



TE Part #350218-2  
UMNL PIN 20-14 .0126AUBR



TE Part #1-66601-2  
III+ SKT, 18-14, TIN, LP



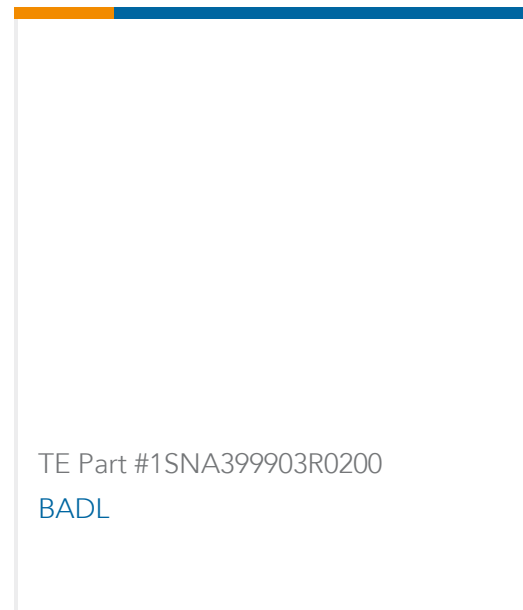
TE Part #330301  
TERMINAL, SOLIS R 2 10



TE Part #33114  
TERMINAL, SOLIS R 4 10



TE Part #8-1393116-4  
KUMP-14A18-120=KU



TE Part #1SNA399903R0200  
BADL

## Documents

### Product Drawings

[SLD CPC RCPT ASSY, 13-9, STD SEX, UV RESIS](#)

English

### CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_1977882-1\\_B.2d\\_dxf.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_1977882-1\\_B.3d\\_igs.zip](#)

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[ENG\\_CVM\\_CVM\\_1977882-1\\_B.3d\\_stp.zip](#)

English

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### Product Specifications

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Circular Power Connectors, Housing, 600 VDC, Wire-to-Wire, 9 Position, Sealable, Wire & Cable, Receptacle, Pin, Signal, Black, All Plastic, AMP CPC



**Connector, Circular Plastic**

English

**Product Specification**

English