

1986377-1

✓ ACTIVE

AMP | AMP CPC

TE Internal #: 1986377-1

7 Position Circular Power Connector, Connector Assembly, 250 VDC, Wire-to-Board / Wire-to-Panel, Printed Circuit Board, Receptacle, AMP CPC

[View on TE.com >](#)[Connectors > Power Connectors > Circular Power > Circular Power Connectors](#)

Number of Positions: 7

Connector Product Type: **Connector Assembly**

Operating Voltage: 250 VDC

Connector System: **Wire-to-Board, Wire-to-Panel**

Sealable: No

## Features

### Termination Features

Termination Method to PCB	Through Hole - Solder
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### Packaging Features

Packaging Quantity	36
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Packaging Method	Tray
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### Mechanical Attachment

Panel Mount Feature Type	Flange with Threaded Inserts
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Mating Alignment Type	Keyed
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Mating Retention Type	Threaded Coupling
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Mating Alignment	With
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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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### Configuration Features

Reverse Numbering	Without
Number of Positions	7
Number of Power Positions	0
Number of Signal Positions	7

#### Product Type Features

Connector Product Type	Connector Assembly
Connector System	Wire-to-Board, Wire-to-Panel
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector & Housing Type	Receptacle
Circular Connector Shell Type	All Plastic

#### Electrical Characteristics

Operating Voltage	250 VAC
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#### Contact Features

Reverse Gender	Yes
Contact Type	Socket
Contact Current Rating (Max)	13 A

#### Housing Features

Housing Color	Black
Housing Material	PA 6.6
Circular Connector Shell Size	13

#### Dimensions

Assembly Length	32.51 mm[1.28 in]
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#### Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Fluid Resistance	None

#### Operation/Application

Circuit Application	Power & Signal
Shielded	No

#### Industry Standards

UL Flammability Rating	UL 94V-0
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## Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

## Product Compliance

For compliance documentation, visit the product page on [TE.com](http://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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Wave solder capable to 265°C

### 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>

## Also in the Series | [AMP CPC](#)



Connector Backshells(1)



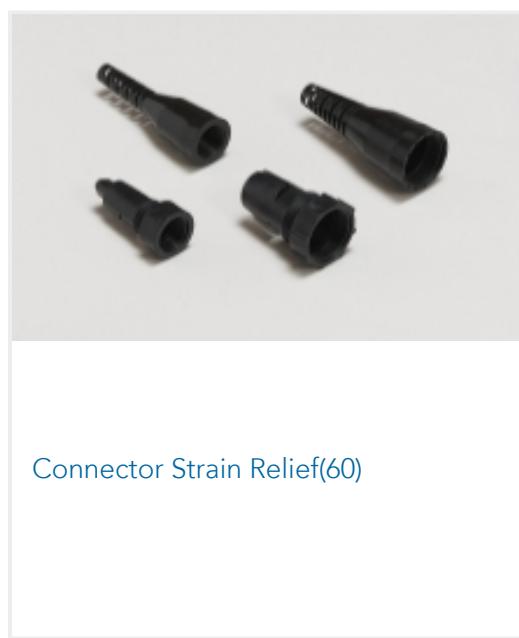
Connector Caps &amp; Covers(16)



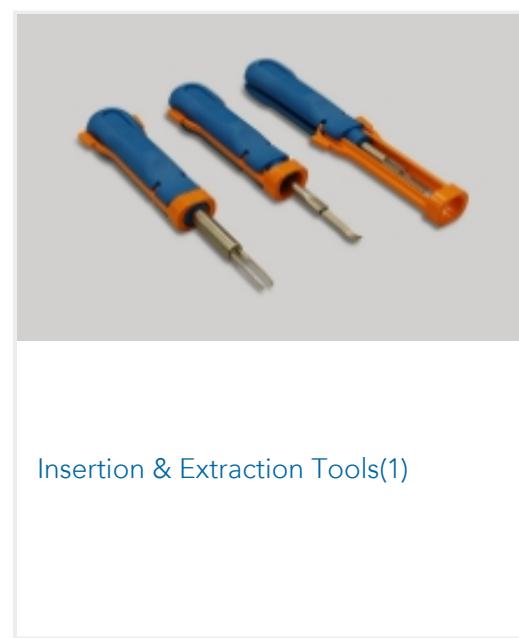
Connector Contacts(6)



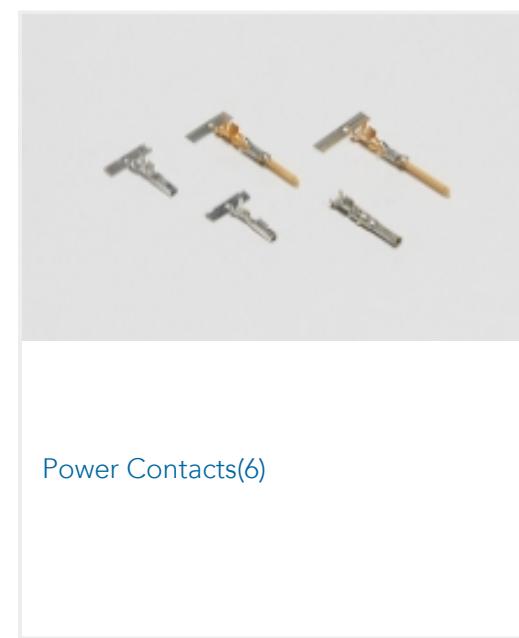
Connector Seals &amp; Cavity Plugs(35)



Connector Strain Relief(60)



Insertion &amp; Extraction Tools(1)



Power Contacts(6)

## Customers Also Bought

TE Part #3-770522-1  
SL156 HOODED CONTACT, LP LFTE Part #647401-5  
05P SL156 HSG W/RAMP,LRG OPENTE Part #4-1609134-7  
20ESRM-3=F8277TE Part #2301826-2  
AMPL PLUG HD20, VERT, 9P, B/L,4-40  
S/LOCTE Part #2301836-1  
AMPL PLUG HD20, VERT, 37P, B/L,4-40  
S/LOTE Part #794407-1  
MINI UNML SCKT 20-16 AWG SNTE Part #794406-1  
MINI UMNL CONT 20-16AWG SNTE Part #1-1658621-0  
50 NOVO MIL/CTR 15DP,LEAD FREETE Part #2301840-1  
AMPL REC HD20, VERT, 15P, B/L,4-40  
S/LOCTE Part #2-36154-2  
PIDG 22-16 22-18 MIL R 10;TAPE

## Documents

### CAD Files

[3D PDF](#)
[3D](#)

### Customer View Model

[ENG\\_CVM\\_CVM\\_1986377-1\\_C.2d\\_dxf.zip](#)
[English](#)

### Customer View Model

[ENG\\_CVM\\_CVM\\_1986377-1\\_C.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1986377-1\\_C.3d\\_stp.zip](#)

English

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**Product Specifications**

[Application Specification](#)

English

**Instruction Sheets**

[Instruction Sheet \(U.S.\)](#)

English

[Instruction Sheet \(U.S.\)](#)

English