

1977889-1

✓ ACTIVE

AMP | AMP CPC

TE Internal #: 1977889-1

3 Position Circular Power Connector, Housing, 250 VDC, Wire-to-Wire, Sealable, Wire & Cable, Plug, Reverse Gender, Pin, Power & Signal, Black, AMP CPC

[View on TE.com >](#)

Connectors > Power Connectors > Circular Power > Circular Power Connectors



Number of Positions: **3**

Connector Product Type: **Housing**

Operating Voltage: **250 VDC**

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

Sealable: **Yes**

Features

Dimensions

Compatible Insulation Diameter Range	2.41 – 5.21 mm [.095 – .205 in]
--------------------------------------	---------------------------------

Packaging Features

Packaging Quantity	24
--------------------	----

Packaging Method	Tray
------------------	------

Mechanical Attachment

Mating Retention Type	Threaded Coupling
-----------------------	-------------------

Thread Size	15/16-20 UNEF – 2A
-------------	--------------------

Polarization Code	A
-------------------	---

Mating Alignment Type	Keyed
-----------------------	-------

Mating Alignment	With
------------------	------

Mating Retention	With
------------------	------

Panel Mount Feature	Without
---------------------	---------

Housing Features

Body Orientation	Straight
------------------	----------

Housing Color	Black
---------------	-------

Housing Material	Nylon (UV Resistant)
------------------	----------------------

Circular Connector Shell Size	17
-------------------------------	----

Product Type Features

Connector Seal & Plug Type	Wire Entry Seal
----------------------------	-----------------

Connector Product Type	Housing
------------------------	---------

Connector System	Wire-to-Wire
------------------	--------------

Sealable	Yes
----------	-----

Connector & Contact Terminates To	Wire & Cable
-----------------------------------	--------------

Connector & Housing Type	Plug
--------------------------	------

Circular Connector Shell Type	All Plastic
-------------------------------	-------------

Configuration Features

Reverse Numbering	Without
-------------------	---------

Number of Positions	3
---------------------	---

Number of Power Positions	3
---------------------------	---

Number of Signal Positions	0
----------------------------	---

Electrical Characteristics

Operating Voltage	250 VAC
-------------------	---------

Contact Features

Reverse Gender	Yes
----------------	-----

Contact Type	Pin
--------------	-----

Contact Protection	With
--------------------	------

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
------------------------	----------

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Compliance

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

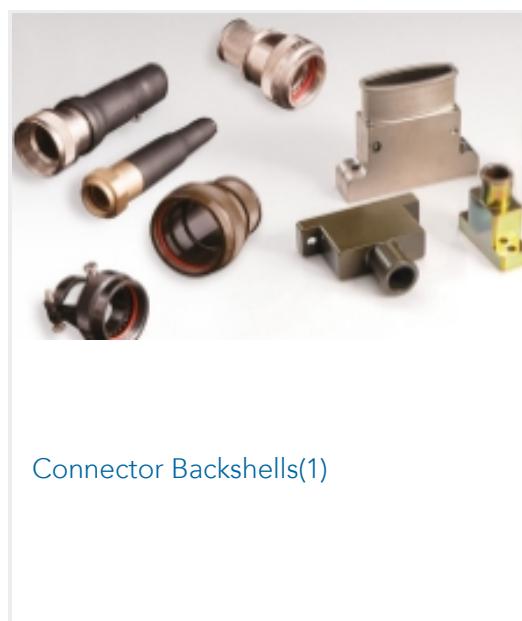
Compatible Parts

			
TE Part # 5-2407269-4 CAP, CPC, SIZE 23 PLUG, YELLOW	TE Part # 5-2407269-3 CAP, CPC, SIZE 23 PLUG, RED	TE Part # 5-2407269-2 CAP, CPC, SIZE 23 PLUG, BLACK	TE Part # 5-2407269-1 CAP, CPC, SIZE 23 PLUG, ORANGE

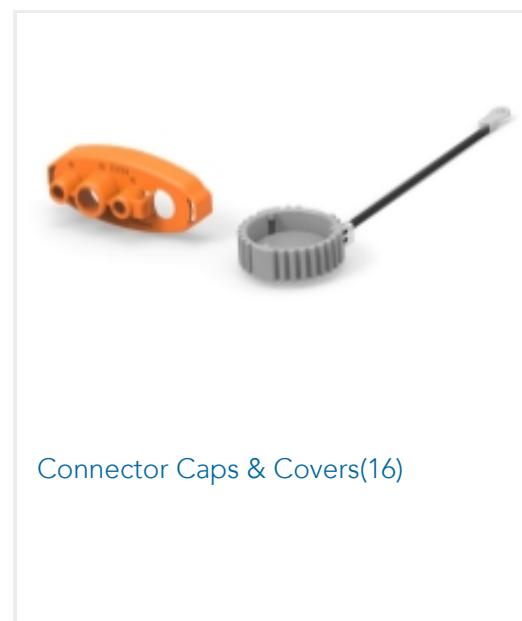


TE Part # 1977888-1
 CPC 17-3 RCPT ASY,REV SEX, UV
 RESIST

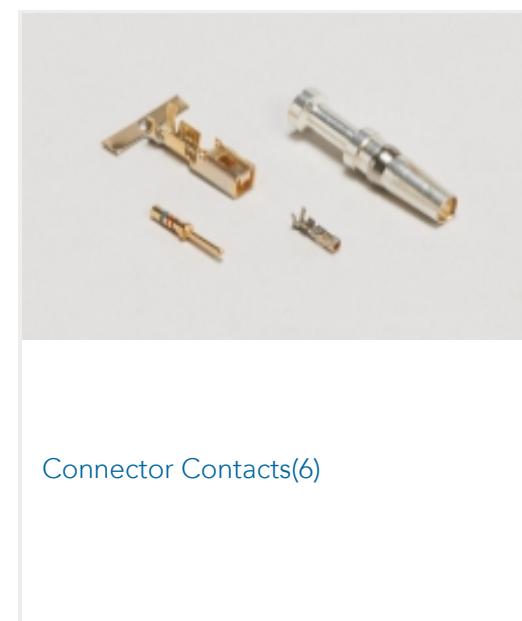
Also in the Series | AMP CPC



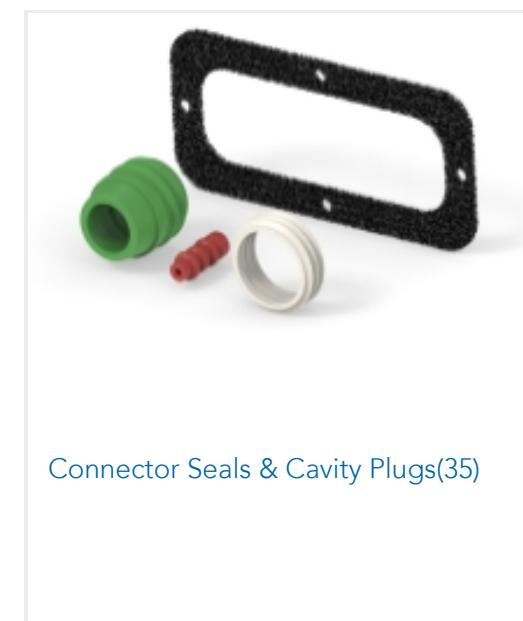
Connector Backshells(1)



Connector Caps & Covers(16)



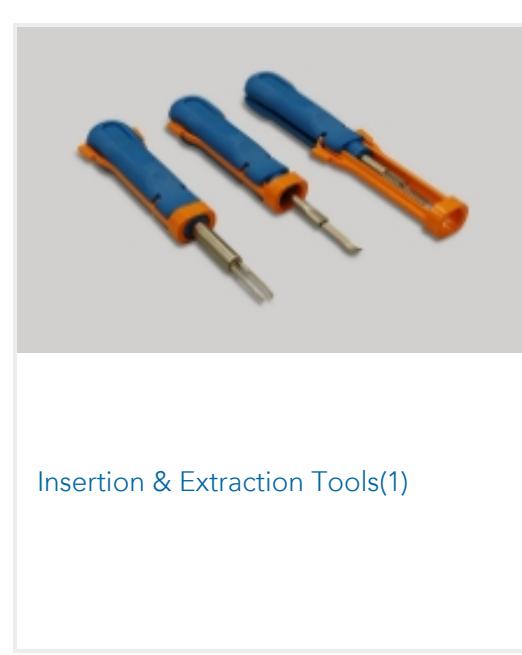
Connector Contacts(6)



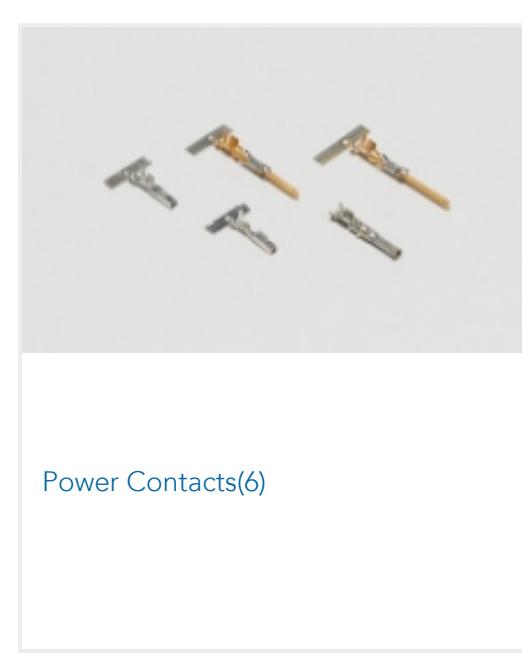
Connector Seals & Cavity Plugs(35)



Connector Strain Relief(60)



Insertion & Extraction Tools(1)



Power Contacts(6)

Customers Also Bought



TE Part #281839-6
 HOUSING HE13 HE14 COSI 2X6 P



TE Part #213841-3
 POWERBAND CONT ASSY,SILVER PLT



TE Part #206036-3
 RECEPT,SZ 17-16,CPC



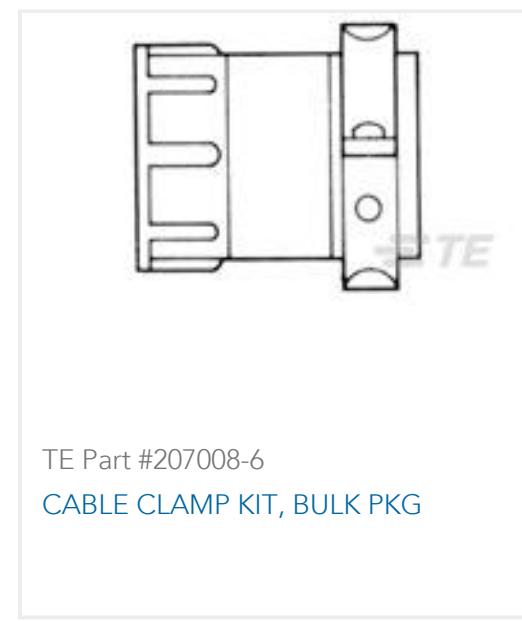
TE Part #206837-1
 CPC PLUG ASSEMBLY SIZE 23-24



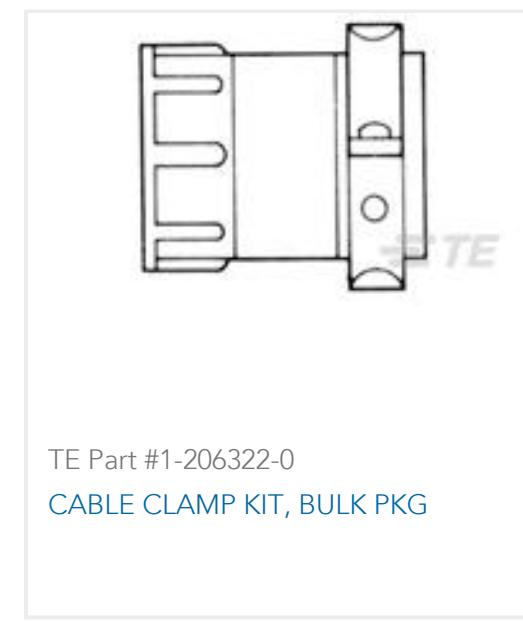
TE Part #206358-5
 CABLE CLAMP ASY, SIZE 11



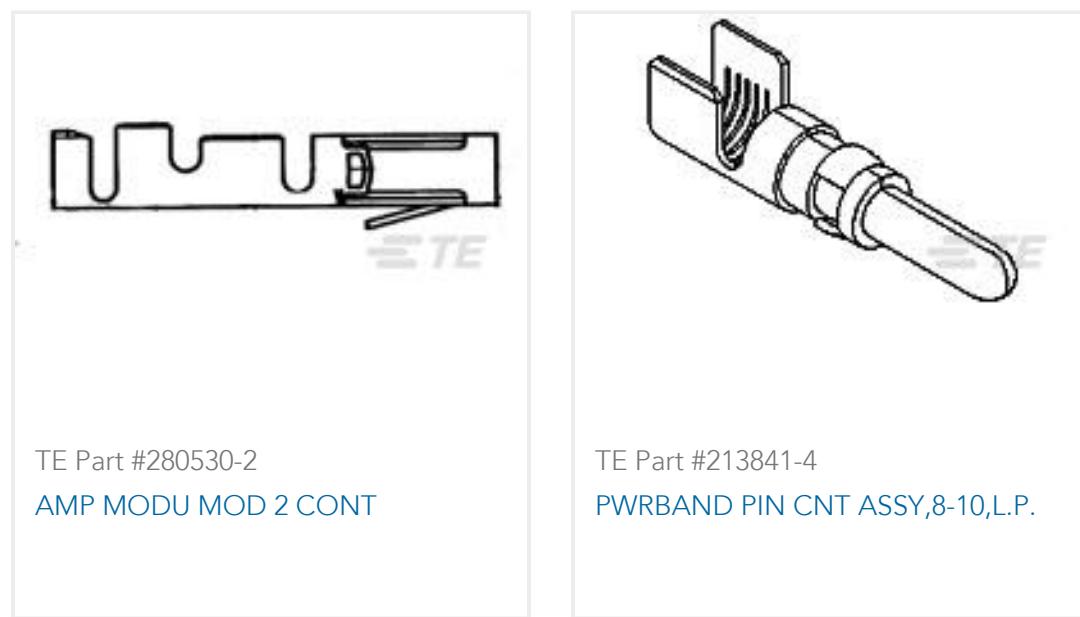
TE Part #206138-8
 CLAMP CBL SHELL SIZE 23



TE Part #207008-6
 CABLE CLAMP KIT, BULK PKG



TE Part #1-206322-0
 CABLE CLAMP KIT, BULK PKG



Documents

Product Drawings

[CPC 17-3 PLUG ASY,REV SEX, UV RESIST](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1977889-1_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1977889-1_B.3d_jgs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1977889-1_B.3d_stp.zip](#)

English

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

Product Specifications

[Product Specification](#)

English