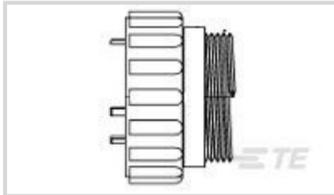# 206554-1 ✔ ACTIVE

[AMP](#) | [AMP CPC](#)

TE Internal #: 206554-1

Circular Power Connectors, Housing, 250 VDC, Wire-to-Wire, 16 Position, Plug, Socket, Signal, Black, All Plastic, PA 6.6 GF, AMP CPC

[View on TE.com >](#)

Connectors > Power Connectors > Circular Power > Circular Power Connectors > Cable/Panel Mount Connector, CPC Series 1

Connector Product Type: **Housing**

Operating Voltage: **250 VDC**

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

Number of Positions: **16**

Sealable: **No**

[All Cable/Panel Mount Connector, CPC Series 1 (57)](#)

Features

Product Type Features

Connector Product Type	Housing
Connector System	Wire-to-Wire
Sealable	No
Connector & Housing Type	Plug
Circular Connector Shell Type	All Plastic

Configuration Features

Reverse Numbering	With
Number of Positions	16
Number of Power Positions	0
Number of Signal Positions	16

Electrical Characteristics

Operating Voltage	250 VAC

Contact Features

Reverse Gender	No
Contact Type	Socket
Contact Current Rating (Max)	13 A
Contact Protection	With

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Circular Power Connectors, Housing, 250 VDC, Wire-to-Wire, 16 Position, Plug,
Socket, Signal, Black, All Plastic, PA 6.6 GF, AMP CPC

Mechanical Attachment

Panel Mount Feature Type	Flange
Screw & Hole Thread Size	15/16-20 UNEF – 2A
Mating Alignment	With
Mating Retention	With
Panel Mount Feature	Without
Mating Alignment Type	Keyed
Mating Retention Type	Threaded Coupling

Housing Features

Body Orientation	Straight
Housing Color	Black
Housing Material	PA 6.6 GF
Circular Connector Shell Size	17

Usage Conditions

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

Operation/Application

Circuit Application	Signal
Shielded	No

Industry Standards

UL Flammability Rating	UL 94V-0
VDE Tested	No

Packaging Features

Packaging Method	Standard
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	

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Circular Power Connectors, Housing, 250 VDC, Wire-to-Wire, 16 Position, Plug, Socket, Signal, Black, All Plastic, PA 6.6 GF, AMP CPC

Current ECHA Candidate List: JUNE 2022 (224)
Candidate List Declared Against: JUNE 2022 (224)
Does not contain REACH SVHC

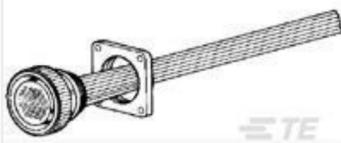| Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

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
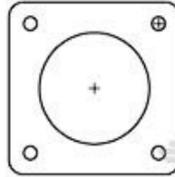
Compatible Parts

TE Part # 206552-1
CPC RECPT ASSEMBLY SIZE 17-16

TE Part # 207299-3
FLANGE PLUG MOUNT CPC

TE Part # CAT-AM71-C83998
CPC Heat Shrink Strain Reliefs

TE Part # 81665-2
FLANGE GASKET CPC

TE Part # CAT-AM71-T98
Pin and Socket Contacts, Type II

TE Part # CAT-AM71-T98E
Pin and Socket Contacts, Type III, LP

TE Part # CAT-AM71-T98D
Pin and Socket Contacts, Type III, LP EMEA

TE Part # CAT-AM71-T98A
Strip Pin and Socket Contacts, Type III, LP

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Circular Power Connectors, Housing, 250 VDC, Wire-to-Wire, 16 Position, Plug, Socket, Signal, Black, All Plastic, PA 6.6 GF, AMP CPC

TE Part # CAT-AM71-T98G
TYPE III CONTACTS LP HIGH CURRENT

TE Part # CAT-AM71-T98B
Strip Pin and Socket Contacts, Type III

TE Part # CAT-AM71-T98F
TYPE III CONTACTS STRIP HIGH CURRENT

TE Part # CAT-AM71-C83998B
CPC Cable Clamps

TE Part # 213810-1
CPC COUPLING RING SIZE 17

TE Part # 91542-1
CCII TYPE III+ PIN SKT 24-22 ASSY

TE Part # 91515-1
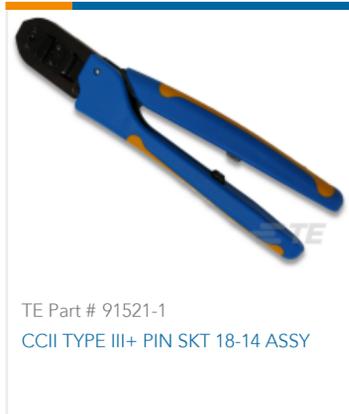CCII TYPE III+ MNL PIN SKT 30-20 ASSY

TE Part # 91519-1
CCII TYPE III+ PIN SKT 18-14 ASSY

TE Part # 58495-1
PRO CRIMPER ASSY MULTIMATE

TE Part # 91523-1
CCII TYPE III+ PIN SKT 24-16 ASSY

TE Part # 91521-1
CCII TYPE III+ PIN SKT 18-14 ASSY

TE Part # 193846-1
SKT ASSY.

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(467)

Insertion & Extraction Tools(1)

Circular Power Connectors, Housing, 250 VDC, Wire-to-Wire, 16 Position, Plug, Socket, Signal, Black, All Plastic, PA 6.6 GF, AMP CPC

Power Contacts(6)

Sealing Sleeves(2)

Unscreened Circular Connector Backshells & Clamps(56)

Documents

Product Drawings

CPC PLUG ASSEMBLY SIZE 17-16

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_206554-1_T.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_206554-1_T.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_206554-1_T.3d_stp.zip

English

3D PDF

English

Customer View Model

ENG_CVM_206554-1_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_206554-1_H.3d_igs.zip

English

Customer View Model

ENG_CVM_206554-1_H.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Datasheets & Catalog Pages

AMP Circular Connectors for Commercial Signal & Power Applications

English

Product Specifications

Application Specification

206554-1

Circular Power Connectors, Housing, 250 VDC, Wire-to-Wire, 16 Position, Plug,
Socket, Signal, Black, All Plastic, PA 6.6 GF, AMP CPC

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL Report

English