

206136-1 ✓ ACTIVE

AMP | AMP CPC

TE Internal #: 206136-1

Circular Power Connectors, Housing, 600 VDC, Wire-to-Wire, 7 Position, Wire & Cable, Plug, Socket, Power, Black, All Plastic, PA 6.6 GF, AMP CPC

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Connectors > Power Connectors > Circular Power > Circular Power Connectors > CPC SERIES 3



Connector Product Type: **Housing**

Operating Voltage: **600 VDC**

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

Number of Positions: **7**

Sealable: **No**

[All CPC SERIES 3 \(16\)](#)

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics



Operating Voltage	600 VAC
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Contact Features

Reverse Gender	No
Contact Type	Socket
Contact Current Rating (Max)	32 A
Contact Protection	With

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Panel Mount Feature Type	Flange
Screw & Hole Thread Size	1-3/8 - 18 UNEF-2A
Connector Mounting Type	Cable Mount (Free-Hanging)
Mating Alignment	With
Mating Retention	With
Panel Mount Feature	With
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	23

Dimensions

Accepts Wire Insulation Diameter Range	5.59 mm [.22 in]
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Usage Conditions

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

Operation/Application

Circuit Application	Power
Shielded	No

Industry Standards

UL Flammability Rating	UL 94V-0
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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
 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 # CAT-AM71-C83998BB
CPC SERIES 3



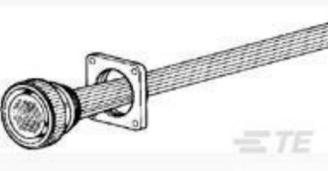
TE Part # 54012-1
CPC STRAIN RELIEF, SIZE 23



TE Part # CAT-035-DCCSC20
D-Sub Conn Contacts: Socket, Phosphor Bronze, Signal, Size 20



TE Part # CAT-035-DCCPB20
D-Sub Connector Contacts: Pin, Brass, Signal, Size 20

TE Part # 207299-4
FLANGE PLUG



TE Part # CAT-AM71-C83998B
CPC Cable Clamps



TE Part # 207446-3
SEALING CAP ASSY, SZ 23, CPC



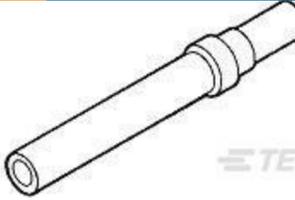
TE Part # 213812-1
COUPLING RING, SZ 23, CPC



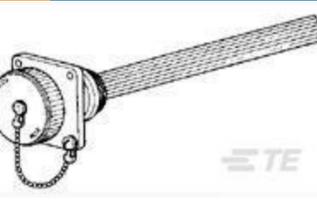
TE Part # 91503-1
CCII AMPLIMITE 20 DF PIN SKT 28-20 ASSY



TE Part # 205089-1
HD 20 PIN CONTACT



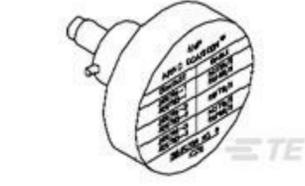
TE Part # 205090-1
HD 20 SOCKET CONTACT



TE Part # 208680-1
SEALING CAP ASSY, SZ 23, CPC



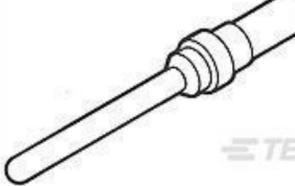
TE Part # 206508-1
TYPE XII KEYING PLUG



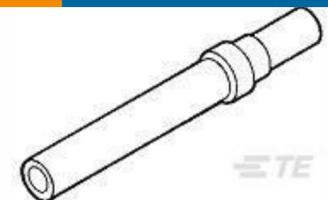
TE Part # 601966-5
K13-1 POSITIONER



TE Part # 601966-1
CRIMPING TOOL M22520/2-01



TE Part # 205089-2
PIN CONTACT, SZ 20, AMPLIMITE



TE Part # 205090-2
SKT CONT ASSY, SZ 20, AMPLIMITE



TE Part # 91525-1
CCII AMPLIMITE HDP-20 PIN SKT 26-22 ASSY



TE Part # 91549-1
CCII HD-20 PIN SKT 28-24 ASSY



TE Part # 5-2407269-1
CAP, CPC, SIZE 23 PLUG, ORANGE

Also in the Series | AMP CPC



Circular Connector Adapters(7)



Circular Connector Boots & Strain Relief(6)



Circular Connector Caps & Covers(16)



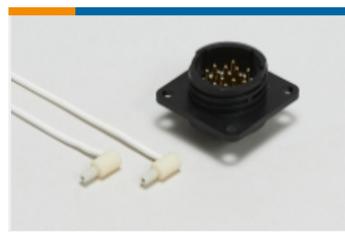
Circular Connector Hardware(3)



Circular Connector Keying Plugs(2)



Circular Connector Seals(36)



Circular Power Connectors(467)



Insertion & Extraction Tools(1)



Power Contacts(6)



Sealing Sleeves(2)



Unscreened Circular Connector Backshells & Clamps(56)

Documents

Product Drawings

CPC PLUG ASSEMBLY SIZE 23-7

English

CAD Files

3D PDF

English

Customer View Model

[ENG_CVM_206136-1_J.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_206136-1_J.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_206136-1_J.3d_stp.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_206136-1_S.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_206136-1_S.3d_igs.zip](#)

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Customer View Model

[ENG_CVM_CVM_206136-1_S.3d_stp.zip](#)



English

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Datasheets & Catalog Pages

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

English

Product Specifications

[Connector, Circular Plastic](#)

English

[Product Specification](#)

English

[Product Specification](#)

English

Product Environmental Compliance

[MD_206136-1_04022014246_dmtec](#)

English

[MD_206136-1_04022014246_dmtec](#)

English

Instruction Sheets

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

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Agency Approvals

[CSA Certificate](#)

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