

206038-1 ✓ ACTIVE

AMP | AMP CPC

TE Internal #: 206038-1

Circular Power Connectors, Housing, 250 VDC, Wire-to-Panel, 28 Position, Wire & Cable, Receptacle, Reverse Gender, Socket, Signal, Black, AMP CPC

[View on TE.com >](#)



Connectors > Power Connectors > Circular Power > Circular Power Connectors > CPC Connectors, Series 2



Connector Product Type: **Housing**

Operating Voltage: **250 VDC**

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

Number of Positions: **28**

Sealable: **No**

[All CPC Connectors, Series 2 \(23\)](#)

Features

Product Type Features

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

Configuration Features

Reverse Numbering	Without
Number of Positions	28
Number of Power Positions	0
Number of Signal Positions	28

Electrical Characteristics



Operating Voltage	250 VAC
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Contact Features

Reverse Gender	Yes
Contact Type	Socket
Contact Current Rating (Max)	7.5 A
Contact Protection	With

Mechanical Attachment

Mating Alignment Type	Keyed
Mating Alignment	With
Panel Mount Feature Type	Flange with Mounting Holes
Mating Retention Type	Threaded Coupling
Thread Size	15/16-20 UNEF – 2A
Connector Mounting Type	Panel Mount
Mating Retention	With
Panel Mount Feature	With

Housing Features

Body Orientation	Straight
Housing Color	Black
Housing Material	Thermoplastic
Circular Connector Shell Size	17

Dimensions

Compatible Insulation Diameter Range	1.73 mm [.068 in]
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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
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Packaging Features

Packaging Quantity	100
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Packaging Method

Bag

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: JUNE 2023 (235)
 Does not contain REACH SVHC

Halogen Content

BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.

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 # 206039-1
CPC PLUG ASSEMBLY SIZE 17-28



TE Part # 207299-3
FLANGE PLUG MOUNT CPC



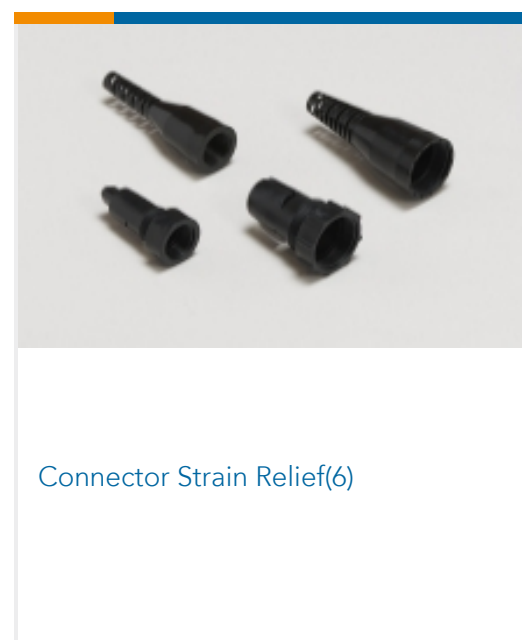
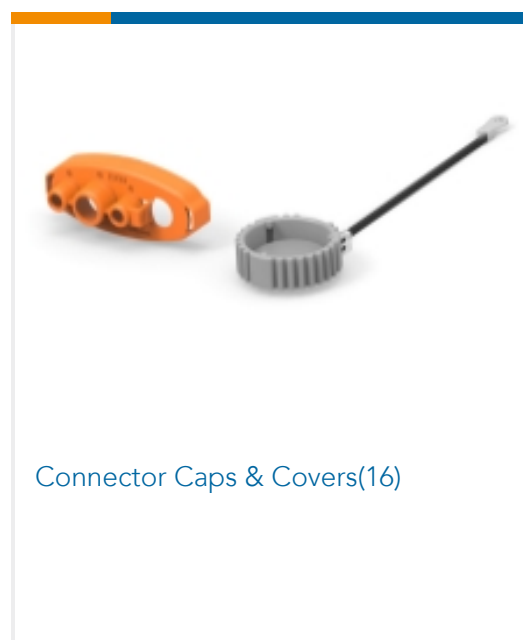
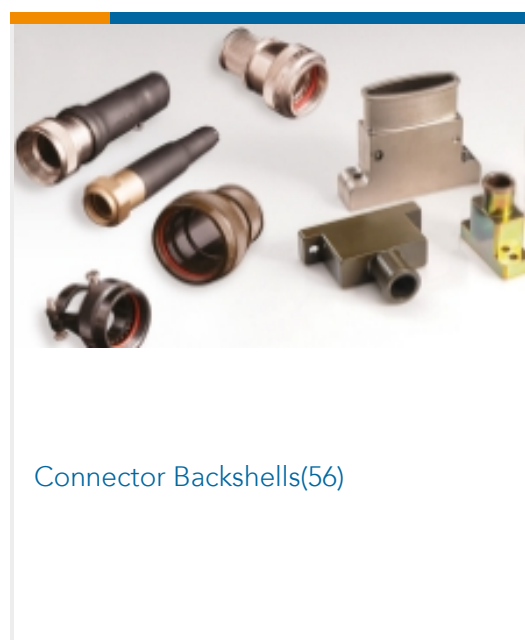
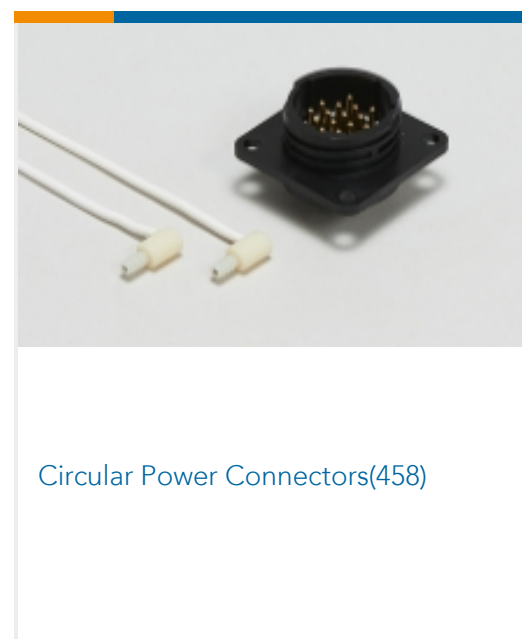
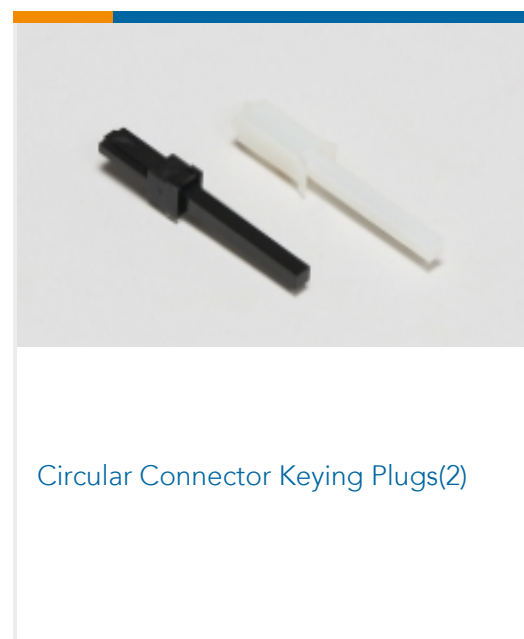
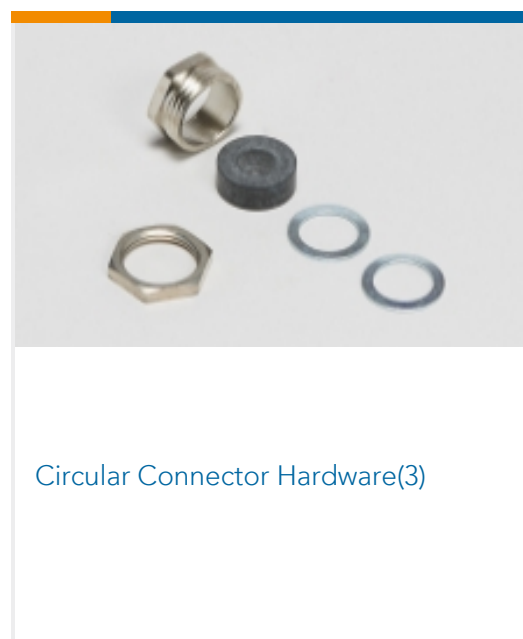
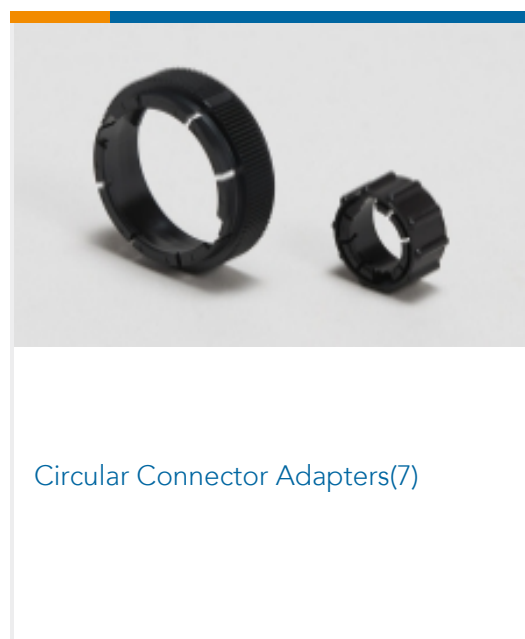
TE Part # CAT-AM71-C83998B
CPC Cable Clamps



TE Part # 213810-1
CPC COUPLING RING SIZE 17

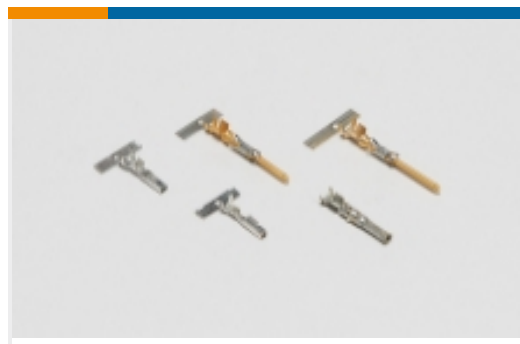


Also in the Series | AMP CPC

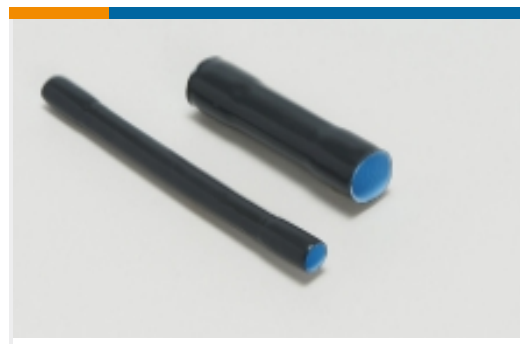




Insertion & Extraction Tools(1)



Power Contacts(6)



Sealing Sleeves(2)

Customers Also Bought



TE Part #206438-1
CPC RECPT ASSEMBLY SIZE 23-57



TE Part #1658539-2
PIN CONT DUPL PLT STRIP HD-20



TE Part #66504-3
20 DF SCKT CONT



TE Part #5557785-1
MJ,8POS,R/A,LPF



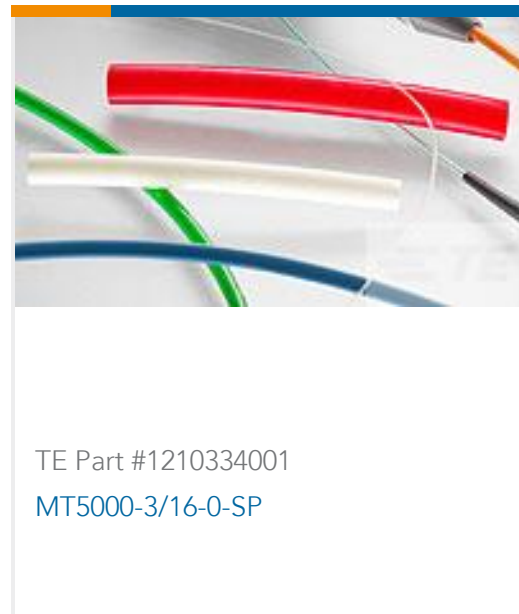
TE Part #2-1625868-8
RP 2A 0.25W 10R2 0.1% 25PPM 1K RL



TE Part #5788816-1
RCPT ASSY,26P,HDP-22,CN



TE Part #2309644-1
MQS, CONNECTOR HOUSING



TE Part #1210334001
MT5000-3/16-0-SP



TE Part #964976-7
MODU2MM BU-GEH 2X7P

Documents

Product Drawings

CPC RECPT ASSEMBLY SIZE 17-28

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_206038-1_H.2d_dxf.zip



English

Customer View Model

[ENG_CVM_206038-1_H.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_206038-1_H.3d_stp.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_206038-1_R.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_206038-1_R.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_206038-1_R.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

[Connector, Circular Plastic](#)

English

[Product Specification](#)

English

Product Environmental Compliance

[MD_206038-1_08232017021_dmtec](#)

English

[MD_206038-1_08232017021_dmtec](#)

English

Instruction Sheets

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

English

Agency Approvals

[UL Report](#)

English