

TE Internal #: 205843-2
Housing, 250 VDC, Wire-to-Wire, 63 Position, Wire & Cable,
Receptacle, Pin, Signal, Black, All Plastic, AMP CPC, Circular Power
Connectors

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



Connector Product Type: **Housing**
Operating Voltage: **250 VDC**
Connector System: **Wire-to-Wire**
Number of Positions: **63**
Sealable: **No**

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

Features

Product Type Features

Connector Product Type	Housing
Connector System	Wire-to-Wire
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	63
Number of Power Positions	0
Number of Signal Positions	63

Electrical Characteristics

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Operating Voltage	250 VAC
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Contact Features

Reverse Gender	No
Contact Type	Pin
Contact Current Rating (Max)	7.5 A
Contact Protection	With

Mechanical Attachment

Mating Alignment Type	Keyed
Mating Alignment	With
Panel Mount Feature Type	Flange
Mating Retention Type	Threaded Coupling
Thread Size	1-3/8 - 18 UNEF-2A
Connector Mounting Type	Cable Mount (Free-Hanging)
Mating Retention	With
Panel Mount Feature	Without

Housing Features

Body Orientation	Straight
Housing Color	Black
Housing Material	Thermoplastic
Circular Connector Shell Size	23

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
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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 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	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-C83998B
CPC Cable Clamps



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



TE Part # 207299-4
FLANGE PLUG



TE Part # 205842-1
CPC PLUG ASSEMBLY SIZE 23-63





TE Part # 207055-1
EXTENDER BACK SHELL



TE Part # 6-2407269-3
CAP, CPC, SIZE 23 RECP, RED



TE Part # 6-2407269-1
CAP, CPC, SIZE 23 RECP, ORANGE



TE Part # 6-2407269-4
CAP, CPC, SIZE 23 RECP, YELLOW



TE Part # 6-2407269-2
CAP, CPC, SIZE 23 RECP, BLACK

Also in the Series | AMP CPC



Circular Power Connectors(458)



Connector Backshells(1)



Connector Caps & Covers(19)



Connector Contacts(6)



Connector Hardware(12)



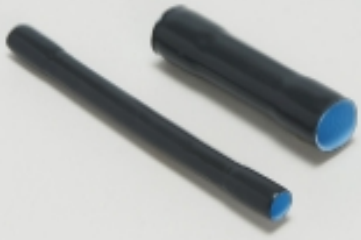
Connector Seals & Cavity Plugs(36)



Connector Strain Relief(60)



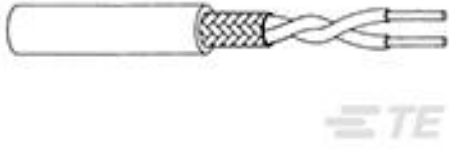
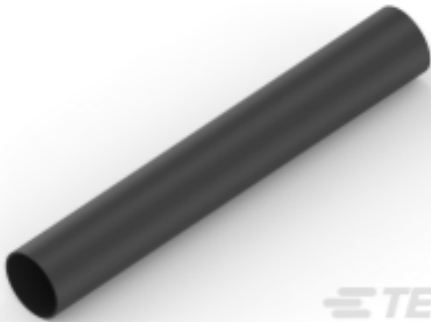
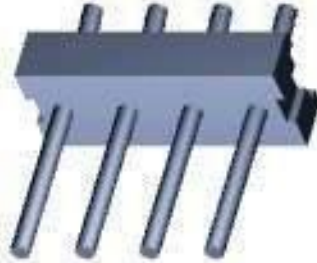
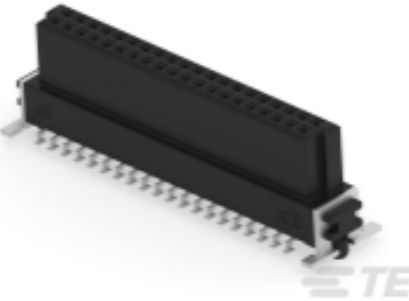
Insertion & Extraction Tools(1)



Sealing Sleeves(2)

Customers Also Bought



 TE Part #206152-1 CPC RECPT ASSEMBLY SIZE 17-28	 TE Part #1-640385-0 10P MTA156 HDR ASSY SQ R/A	 TE Part #66255-8 MALE CONTACT ASSY. (STRIP)	 TE Part #180321-000 2022E0421-9X
 TE Part #E62580-000 TAT-125-3/4-0-2.5IN	 TE Part #NB14932001 DWP-125-3/8-0-STK	 TE Part #1-1445022-0 MICRO MNL RFCEPT HSG SINGLE R	 TE Part #640384-4 04P MTA156 HDR ASSY STR RND SN
 TE Part #254539-E SMCQ 40 M AB VV 8-03 CL * H007 137 E005	 TE Part #354065-E SMCB 40 F AB VV 7-03 CL * H007 137 E002		

Documents

Product Drawings

CPC RECPT ASSEMBLY SIZE 23-63

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_205843-2_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_205843-2_F.3d_igs.zip

English

Customer View Model

ENG_CVM_205843-2_F.3d_stp.zip

English

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_205843-2_L.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_205843-2_L.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_205843-2_L.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

Instruction Sheets

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

English

Agency Approvals

[CSA Certificate](#)

English

[CSA Certificate](#)

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