207486-1 ✔ ACTIVE

AMP | AMP CPC

TE Internal #: 207486-1

Circular Power Connectors, Housing, 600 VDC, Wire-to-Panel, 16 Position, Wire & Cable, Receptacle, Pin, Power & Signal, Black, All Plastic, AMP CPC

View on TE.com >

Connectors > Power Connectors > Circular Power > Circular Power Connectors > CPC Connector Housing, Series 4

Connector Product Type: **Housing**

Operating Voltage: **600 VDC**

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

Number of Positions: **16**

Sealable: **No**

All CPC Connector Housing, Series 4 (8)

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	16
Number of Power Positions	4
Number of Signal Positions	12

Electrical Characteristics

Operating Voltage	600 VAC

Contact Features

Reverse Gender	No
Contact Type	Pin
Contact Protection	With

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Panel Mount Feature Type	Flange with Mounting Holes
Screw & Hole Thread Size	1-3/8 - 18 UNEF-2A
Connector Mounting Type	Panel Mount
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

Signal Conductor Insulation Diameter	3.81 mm[.15 in]
Power Conductor Insulation Diameter	5.59 mm[.22 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal
Shielded	No

Industry Standards

UL Flammability Rating	UL 94V-0

VDE Tested	No

Packaging Features

Packaging Method	Standard
Packaging Quantity	1

Other

For Use With	Type XII Male And Multimate Pin Contact

Product Compliance

For compliance documentation, visit the product page on TE.com>

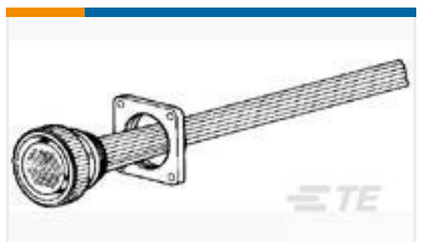
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	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 # 207485-1
CPC PLUG ASSEMBLY SIZE 23-16



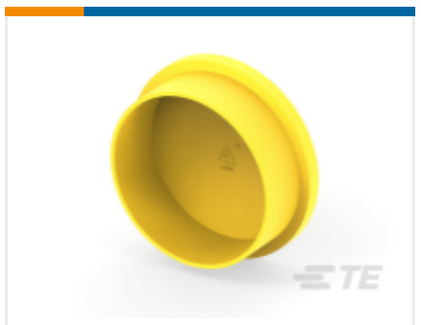
TE Part # 207299-4
FLANGE PLUG

TE Part # CAT-AM71-C83998B
CPC Cable Clamps

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

TE Part # 207485-2
CPC PLUG ASSEMBLY SIZE 23-16

TE Part # 207597-1
PLUG, TYPE XII KEYING



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

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

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

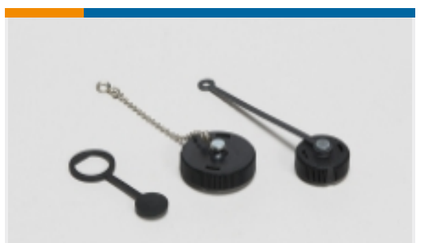
TE Part # 6-2407269-3
CAP, CPC, SIZE 23 RECP, RED

TE Part # 207055-1
EXTENDER BACK SHELL

Also in the Series | AMP CPC

Circular Connector Adapters(7)

Circular Connector Boots & Strain Relief(6)



Circular Connector Caps & Covers(16)

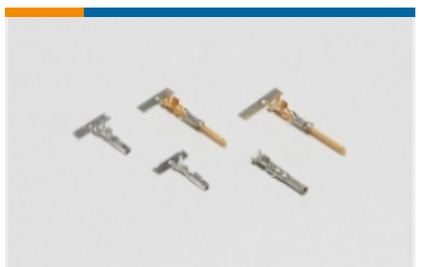
Circular Connector Hardware(3)

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

SIZE 23-16 RECEPTACLE,CPC

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_207486-1_AM.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_207486-1_AM.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_207486-1_AM.3d_stp.zip

English

3D PDF

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Customer View Model

ENG_CVM_207486-1_P1.2d_dxf.zip

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Customer View Model

ENG_CVM_207486-1_P1.3d_igs.zip

English

Customer View Model

ENG_CVM_207486-1_P1.3d_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 Environmental Compliance

MD_207486-1_04092014021_dmtec

English

MD_207486-1_04092014021_dmtec

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

CSA Certificate

English