1977886-1 ✔ ACTIVE

AMP | AMP CPC

TE Internal #: 1977886-1

Housing, 600 VDC, Wire-to-Wire, 37 Position, Sealable, Wire & Cable, Receptacle, Pin, Signal, Black, All Plastic, AMP CPC, Circular Power Connectors

View on TE.com >

Connectors > Power Connectors > Circular Power > Circular Power Connectors > One-Piece Connector, Sealed, CPC Series 1

Connector Product Type: **Housing**

Operating Voltage: **600 VDC**

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

Number of Positions: **37**

Sealable: **Yes**

All One-Piece Connector, Sealed, CPC Series 1 (33)

Features

Product Type Features

Connector Seal & Plug Type	Peripheral, Wire Entry Seal
Connector Product Type	Housing
Connector System	Wire-to-Wire
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Connector & Housing Type	Receptacle
Circular Connector Shell Type	All Plastic

Configuration Features

Reverse Numbering	Without
Number of Positions	37
Number of Power Positions	0
Number of Signal Positions	37

Electrical Characteristics

Operating Voltage	600 VAC

Contact Features

Reverse Gender	No
Contact Type	Pin
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 3/18-18 UNEF-2A
Polarization Code	A
Mating Retention	With
Panel Mount Feature	Without

Housing Features

Body Orientation	Straight
Housing Color	Black
Housing Material	Nylon (UV Resistant)
Circular Connector Shell Size	23

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Fluid Resistance	Immersion

Operation/Application

Circuit Application	Signal
Shielded	No

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	1
Packaging Method	Package

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) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.5% in Component Part) Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part) Decamethylcyclopentasiloxane (D5) (.5% in Component Part) **Article Safe Usage Statements:** Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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-C83998HH
CPC SEALED ACCESSORIES

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

TE Part # CAT-AM71-C83998L
CPC Sealed Accessories

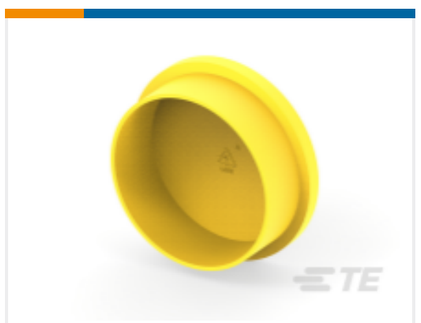
TE Part # CAT-AM71-C83998Z
CPC Sealing Kits/Accessories

TE Part # 1977887-1
PLUG.ASSY,23-37STD SEX THRD AD, UV RESIS

TE Part # 208337-1
SEAL PROTECTOR PIN

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)

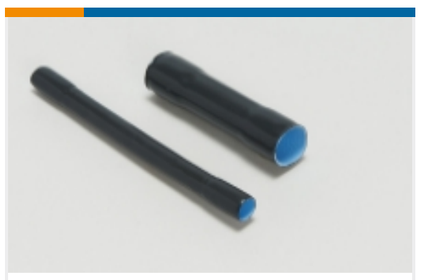
Connector Contacts(6)

Connector Hardware(12)

Connector Seals & Cavity Plugs(36)

Connector Strain Relief(60)

Insertion & Extraction Tools(1)



Sealing Sleeves(2)

Customers Also Bought

TE Part #206070-8
CABLE CLAMP KIT #17

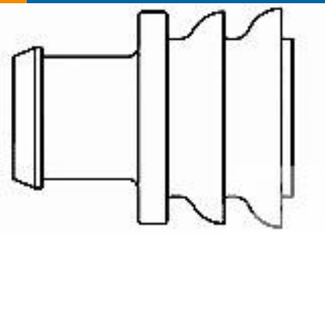
TE Part #DT04-2P
REC, 2P, GRY, N

TE Part #DT06-2S
PLG, 2P, GRY, N

TE Part #W2S
Wedgelocks: DEUTSCH DT

TE Part #0460-202-16141
DEUTSCH Solid Contacts

TE Part #282104-1
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING



TE Part #281934-2
SINGLE WIRE SEAL

Documents

Product Drawings

RCPT.ASSY,23-37STD SEX FREE HG, UV RESIS

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1977886-1_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1977886-1_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1977886-1_C.3d_stp.zip

English

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Product Specifications

Product Specification

English