1-796435-2 ✔ ACTIVE

AMP | AMP CPC

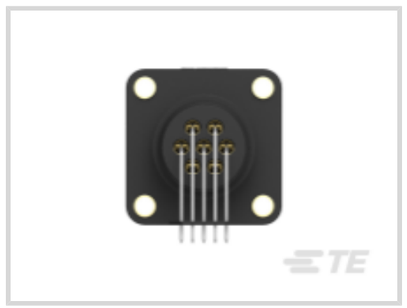
TE Internal #: 1-796435-2

Circular Power Connectors, Connector Assembly, 250 VDC, Wire-to-Panel / Wire-to-Board, 7 Position, Receptacle, Pin, Signal, Black, AMP CPC

View on TE.com >

Connectors > Power Connectors > Circular Power > Circular Power Connectors > Connectors with Posted Pin Contacts, CPC Series 1




Connector Product Type: **Connector Assembly**

Operating Voltage: **250 VDC**

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

Number of Positions: **7**

Sealable: **No**

All Connectors with Posted Pin Contacts, CPC Series 1 (39)

Features

Product Type Features

Connector Product Type	Connector Assembly
Connector System	Wire-to-Board, Wire-to-Panel
Sealable	No
Connector & Housing Type	Receptacle
Circular Connector Shell Type	All Plastic

Configuration Features

Number of Positions	7
Number of Power Positions	0
Number of Signal Positions	7

Electrical Characteristics

Operating Voltage	250 VAC

Contact Features

Reverse Gender	No
Contact Type	Pin

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Keyed
Mating Alignment	With
Panel Mount Feature Type	Flange with Threaded Inserts
Mating Retention Type	Threaded Coupling
Polarization Code	A
Connector Mounting Type	Panel Mount
Mating Retention	With
Panel Mount Feature	With

Housing Features

Housing Color	Black
Housing Material	PA 6.6
Circular Connector Shell Size	13

Dimensions

Assembly Length	51.56 mm[2.03 in]

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

Packaging Features

Packaging Quantity	16
Packaging Method	Tray

Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) SVHC > Threshold: Pb (3.7% in Component Part) **Article Safe Usage Statements:** Do not eat, drink or smoke when using this product. 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	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Wave solder capable to 265°C

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

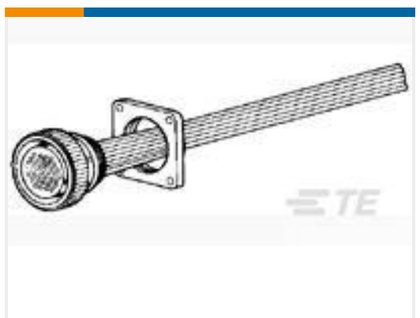
Compatible Parts



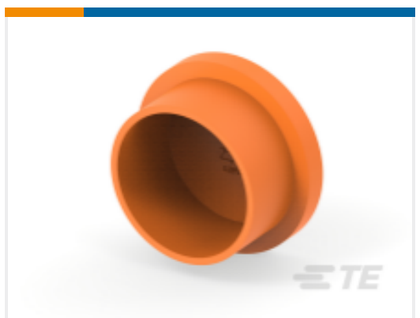
TE Part # CAT-AM71-C83998B
CPC Cable Clamps



TE Part # 211399-1
CPC PLUG ASSEMBLY SIZE 13-7



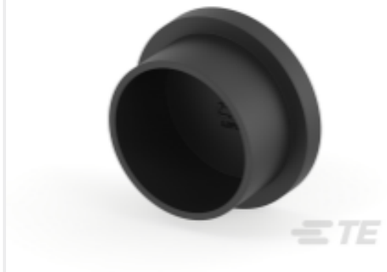
TE Part # 207299-2
FLANGE PLUG MOUNT CPC



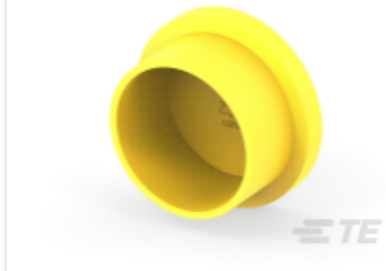
TE Part # 2-2407269-1
CAP, CPC, SIZE 13 RECP, ORANGE



TE Part # 2-2407269-3
CAP, CPC, SIZE 13 RECP, RED



TE Part # 2-2407269-2
CAP, CPC, SIZE 13 RECP, BLACK



TE Part # 2-2407269-4
CAP, CPC, SIZE 13 RECP, YELLOW

Also in the Series | AMP CPC



Circular Power Connectors(458)



Connector Backshells(1)



Connector Caps & Covers(16)



Connector Contacts(6)



Connector Hardware(12)



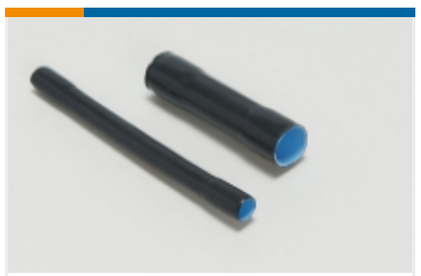
Connector Seals & Cavity Plugs(36)



Connector Strain Relief(60)

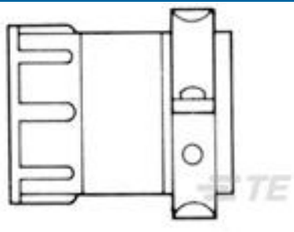


Insertion & Extraction Tools(1)



Sealing Sleeves(2)

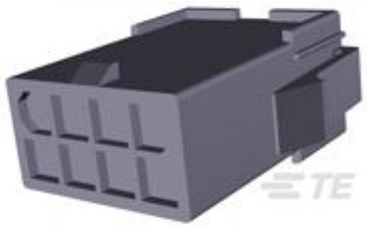
Customers Also Bought



TE Part # 206358-5
CABLE CLAMP ASY, SIZE 11



TE Part # 164164-2
PIN ASS



TE Part # 794941-1
08P MINI UMNL CAP HSG



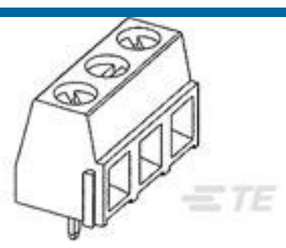
TE Part # 794821-1
08P MINI UMNL PLUG HSG



TE Part # 794772-8
08P MINI UMNL SEAL,DIE CUT



TE Part # 794758-1
MINI UMNL WIRE SEAL,18-26AWG



TE Part # 282836-3
TERMI-BLOK PCB MOUNT 90 3P.



TE Part # 826936-6
6P AMPMODU II STIFT LEI



TE Part # 1617150-2
JMGSCD-12MW = M39016/42-051M

TE Part # 838359-E
IDCCS SMC 1,27 16 * AU AUI 320 PVC

Documents

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_1-796435-2_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_1-796435-2_D.3d_igs.zip

English

Customer View Model

ENG_CVM_1-796435-2_D.3d_stp.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-796435-2_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-796435-2_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-796435-2_F.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditionsof use.

Datasheets & Catalog Pages

AMP Circular Connectors for Commercial Signal & Power Applications

English

Product Specifications

Application Specification

English