1-796387-2 ✔ ACTIVE

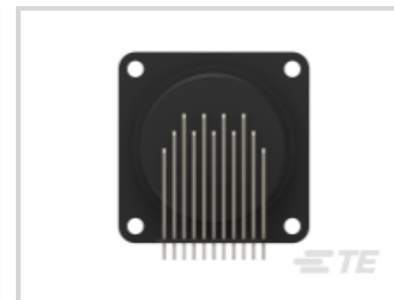
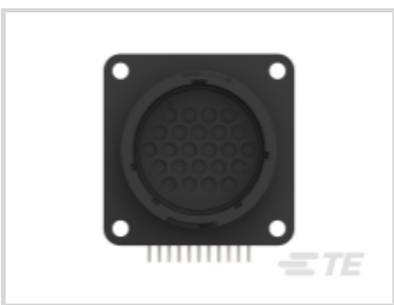
AMP | AMP CPC

TE Internal #: 1-796387-2

Circular Power Connectors, Connector Assembly, 250 VDC, Wire-to-Board / Wire-to-Panel, 24 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: **24**

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	24
Number of Power Positions	0
Number of Signal Positions	24

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 Mounting Holes
Mating Retention Type	Threaded Coupling
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	23

Dimensions

Assembly Length	61.72 mm[2.43 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	8
Packaging Method	Tray

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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
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 # 206837-1
CPC PLUG ASSEMBLY SIZE 23-24

TE Part # 207299-4
FLANGE PLUG

TE Part # 206837-3
CPC PLUG ASSEMBLY SIZE 23-24

TE Part # 207055-1
EXTENDER BACK SHELL

TE Part # 206837-2
CPC PLUG,SZ 23-24,SMALL PACK

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

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

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

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

Also in the Series | AMP CPC

Circular Power Connectors(458)

Connector Backshells(1)

Connector Caps & Covers(16)

Connector Contacts(6)

Connector Hardware(12)

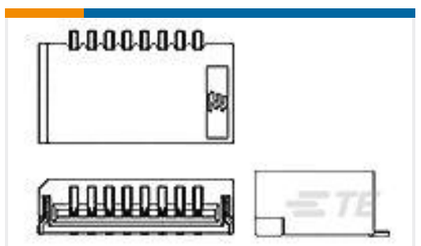
Connector Seals & Cavity Plugs(36)

Connector Strain Relief(60)

Insertion & Extraction Tools(1)

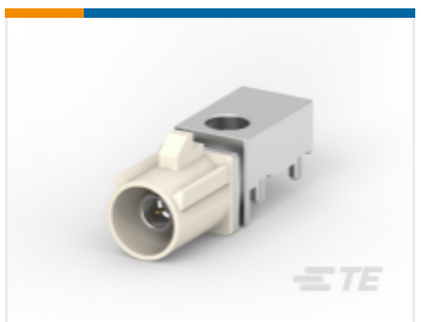
Sealing Sleeves(2)

Customers Also Bought

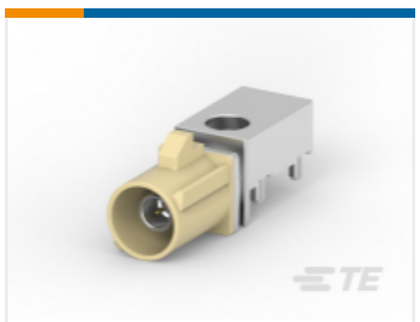


TE Part # 1-84981-1
1MM FFC SMT H ASSY 11P EMBOSS

TE Part # 5-2287906-1
FAKRA, 1 POS, EDGE MOUNT, 12 OCLOCK ASSY



TE Part # 5-2287906-2
FAKRA, 1 POS, EDGE MOUNT, 12 OCLOCK ASSY



TE Part # 5-2287906-9
FAKRA, 1 POS, EDGE MOUNT, 12 OCLOCK ASSY

TE Part # 6-2287923-1
FAKRA, 2 POS, EXT-EDGE, ASS'Y 12 O'CLOCK

TE Part # 6-2287923-2
FAKRA, 2 POS, EXT-EDGE, ASS'Y 12 O'CLOCK

TE Part # 6-2287923-3
FAKRA, 2 POS, EXT-EDGE, ASS'Y 12 O'CLOCK

TE Part # 1397858-1
TMO-1 AMPLIFIER, PRESSURE S

TE Part # 1924678-3
26P SMT LAC HDR ASY, KEY BF, Hand Mate

TE Part # 1878327-1
SIEMENS-MEDICAL-K

Documents

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_1-796387-2_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_1-796387-2_C.3d_igs.zip

English

Customer View Model

ENG_CVM_1-796387-2_C.3d_stp.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-796387-2_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-796387-2_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-796387-2_E.3d_stp.zip

English

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Datasheets & Catalog Pages

AMP Circular Connectors for Commercial Signal & Power Applications

English

Product Specifications

Application Specification

English