



Connectors > Power Connectors > Circular Power > Circular Power Connectors > CPC SERIES 3



Connector Product Type: **Housing**
Operating Voltage: **600 VDC**
Connector System: **Wire-to-Panel**
Number of Positions: **7**
Sealable: **No**

[All CPC SERIES 3 \(16\)](#)

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	7
Number of Power Positions	7
Number of Signal Positions	0

Electrical Characteristics

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Operating Voltage	600 VAC
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Contact Features

Reverse Gender	Yes
Contact Type	Socket
Contact Current Rating (Max)	32 A
Contact Protection	With

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Mating Alignment Type	Keyed
Mating Alignment	With
Panel Mount Feature Type	Flange with Mounting Holes
Mating Retention Type	Threaded Coupling
Thread Size	1-3/8 - 18 UNEF-2A
Connector Mounting Type	Panel Mount
Mating Retention	With
Panel Mount Feature	Without

Housing Features

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

Dimensions

Compatible Insulation Diameter Range	5.59 mm[.22 in]
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Usage Conditions

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

Operation/Application

Circuit Application	Power
Shielded	No

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	150
Packaging Method	Package

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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	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 # 206226-1
CPC PLUG ASSEMBLY SIZE 23-7



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



TE Part # 207299-4
FLANGE PLUG



TE Part # 207597-1
PLUG, TYPE XII KEYING



TE Part # 207055-1
EXTENDER BACK SHELL



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



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

Also in the Series | AMP CPC



Circular Power Connectors(458)



Connector Backshells(1)



Connector Caps & Covers(19)



Connector Contacts(6)



Connector Hardware(12)



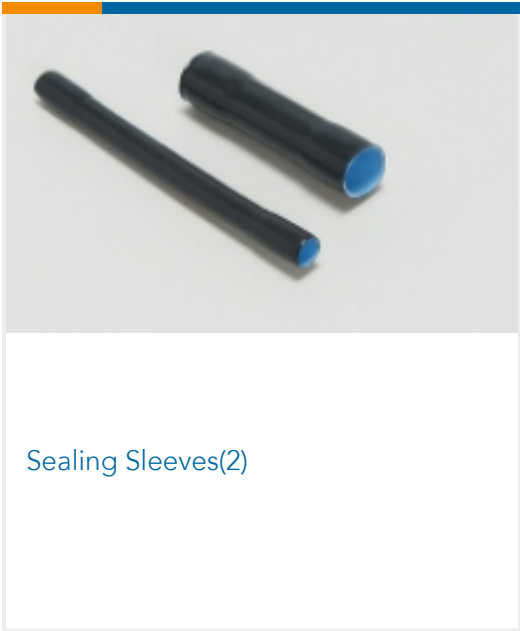
Connector Seals & Cavity Plugs(36)



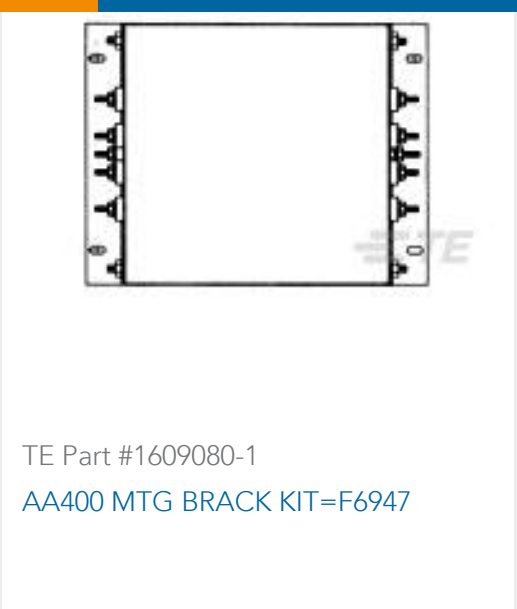
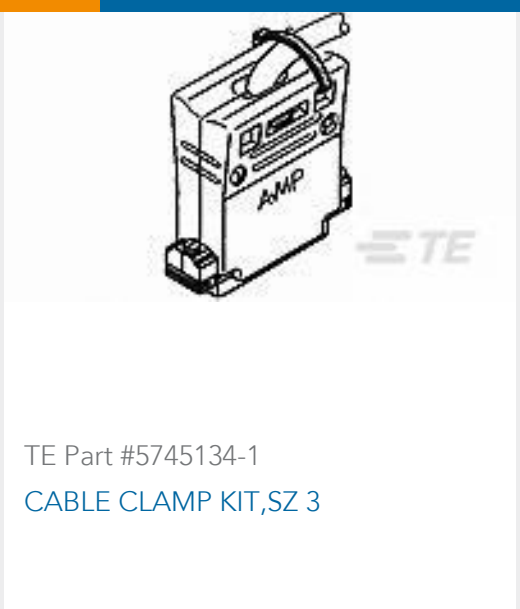
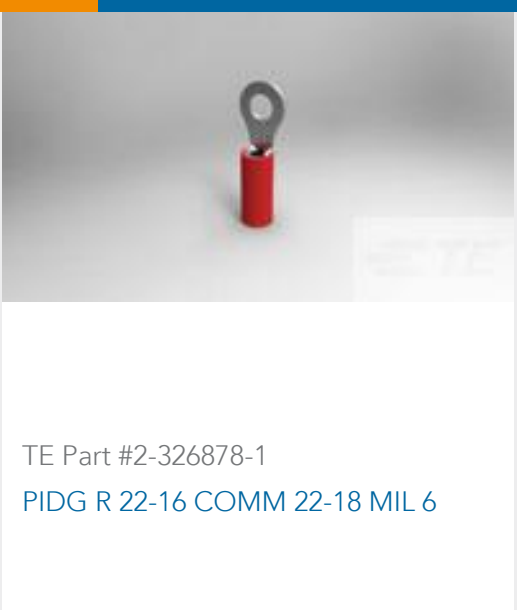
Connector Strain Relief(60)



Insertion & Extraction Tools(1)



Customers Also Bought



Documents

Product Drawings
23-7 RECEPT REV SEX,THRD INSRT
English

CAD Files
3D PDF
English

Customer View Model
ENG_CVM_206227-6_M.2d_dxf.zip



- English
- Customer View Model
- ENG_CVM_206227-6_M.3d_igs.zip
- English
- Customer View Model
- ENG_CVM_206227-6_M.3d_stp.zip
- English
- 3D PDF
- 3D
- Customer View Model
- ENG_CVM_CVM_206227-6_AE.2d_dxf.zip
- English
- Customer View Model
- ENG_CVM_CVM_206227-6_AE.3d_igs.zip
- English
- Customer View Model
- ENG_CVM_CVM_206227-6_AE.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

- Agency Approvals
- CSA Certificate
- English
- CSA Certificate
- English