



Connectors > Power Connectors > Circular Power > Circular Power Connectors



Number of Positions: 37

Connector Product Type: Connector Assembly

Operating Voltage: 250 VDC

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

Sealable: No

Features

Termination Features

Termination Method to PCB	Through Hole - Solder
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Packaging Features

Packaging Quantity	8
Packaging Method	Tray

Mechanical Attachment

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

Configuration Features



Number of Positions	37
Number of Power Positions	0
Number of Signal Positions	37

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

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Reverse Gender	Yes
Contact Type	Socket

Housing Features

Housing Color	Black
Housing Material	PA 6.6
Circular Connector Shell Size	23

Dimensions

Assembly Length	64.77 mm[2.55 in]
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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
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant



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) 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 # 207055-1
EXTENDER BACK SHELL



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



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



TE Part # 207774-4
CABLE CLAMP ASY,SZ 23,BULK PKG



TE Part # 207299-4
FLANGE PLUG



TE Part # 796382-2
R/A STRN RELIEF KIT,SZ 23,CPC



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



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



TE Part # 206512-6
LARGE CABLE CLAMP KIT,BULK PKG



TE Part # 206305-4
CPC PLUG ASSEMBLY SIZE 23-37



TE Part # 206138-8
CLAMP CBL SHELL SIZE 23



TE Part # 1-206138-0
CABLE CLAMP ASSY,BULK PACKED



TE Part # 1546350-2
R/A CABLE CLAMP KIT,SZ 23,CPC



TE Part # 206512-5
CLAMP,CABLE SHELL,SIZE 23



TE Part # 206305-1
CPC PLUG ASSEMBLY SIZE 23-37



TE Part # 207774-3
CLAMP CABLE SHELL,SIZE 23

Also in the Series | AMP CPC



Connector Backshells(1)



Connector Caps & Covers(16)



Connector Contacts(6)



Connector Seals & Cavity Plugs(35)



Connector Strain Relief(60)



Insertion & Extraction Tools(1)



Power Contacts(6)

Customers Also Bought



TE Part #205206-8
HDP-20, PLUG, SIZE 2, 15 POSN



TE Part #2-5747704-0
25 PLUG SP/FMS BRDLK



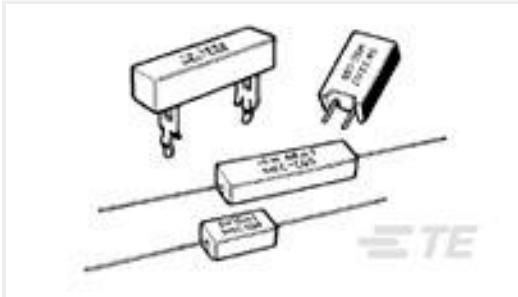
TE Part #5499786-1
A/L UNIV HDR 10P RA LG LAT



TE Part #52928
PIDG SPRSPD 22-16COM22-18MIL 5



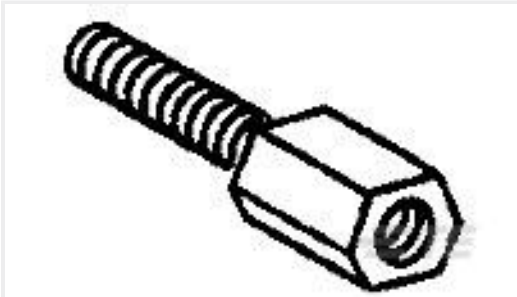
TE Part #2-5747707-0
15 RCPT SP/FMS BRDLK



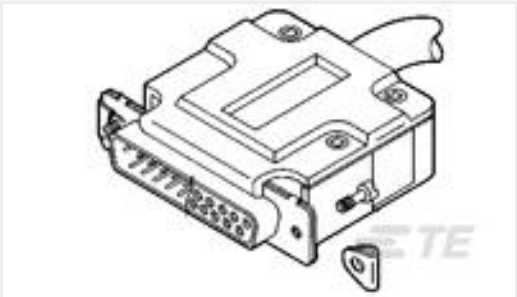
TE Part #1-1623795-2
SQP10 47R 5% WIRE



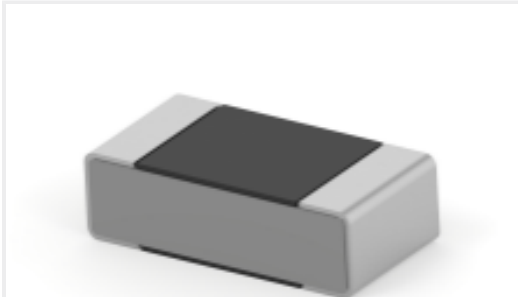
TE Part #1-796387-2
CPC PSTD RCPT, 23-24, R/A LF



TE Part #5747877-3
FEMALE SCREWLOCK ZINC CLEAR



TE Part #1-5207908-3
KIT S/R SCREW RET 90/180 DEG



TE Part #5-1879212-7
CPF 0402 82K5 0.1% 25PPM 5K RL

Documents

Product Drawings

CPC PSTD RCPT, 23-37, R/A LF

English

CAD Files

Customer View Model

ENG_CVM_1-796409-1_F.3d_igs.zip

English

Customer View Model

ENG_CVM_1-796409-1_F.3d_stp.zip

English

Customer View Model

ENG_CVM_1-796409-1_F.2d_dxf.zip

English

3D PDF

3D

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_1-796409-1_G.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-796409-1_G.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-796409-1_G.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