1-796329-1 ✔ ACTIVE

AMP | AMP CPC

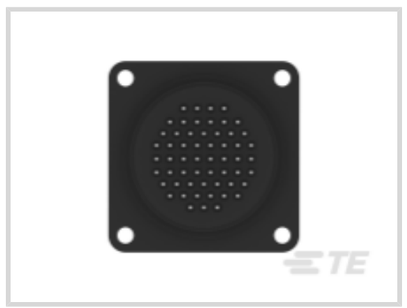
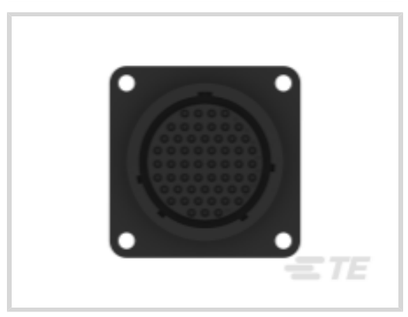
TE Internal #: 1-796329-1

Connector Assembly, 250 VDC, Wire-to-Board / Wire-to-Panel, 57 Position, Printed Circuit Board, Receptacle, AMP CPC, Circular Power Connectors

View on TE.com >

Connectors > Power Connectors > Circular Power > Circular Power Connectors



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

Connector Product Type: **Connector Assembly**

Operating Voltage: **250 VDC**

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

Features

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Type Features

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

Configuration Features

Number of Positions	57
Number of Power Positions	0
Number of Signal Positions	57

Electrical Characteristics

Operating Voltage	250 VAC

Contact Features

Reverse Gender	Yes
Contact Type	Socket
Contact Protection	With

Termination Features

Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Housing Color	Black
Housing Material	Thermoplastic
Circular Connector Shell Size	23

Dimensions

Assembly Length	29.69 mm[1.169 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	72

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) 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 # 207774-3
CLAMP CABLE SHELL,SIZE 23



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



TE Part # 206437-1
CPC PLUG ASSEMBLY SIZE 23-57



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



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



TE Part # 206138-8
CLAMP CBL SHELL SIZE 23



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



TE Part # 207299-4
FLANGE PLUG



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



TE Part # 207055-1
EXTENDER BACK SHELL



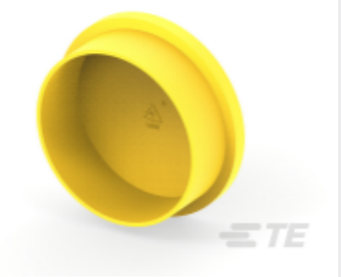
TE Part # 796382-2
R/A STRN RELIEF KIT,SZ 23,CPC



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



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



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



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

Also in the Series | AMP CPC



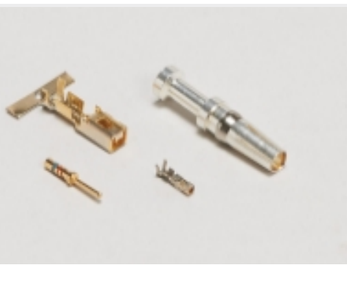
Circular Power Connectors(423)



Connector Backshells(1)



Connector Caps & Covers(16)



Connector Contacts(6)



Connector Hardware(12)



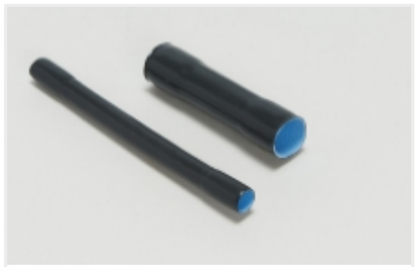
Connector Seals & Cavity Plugs(35)



Connector Strain Relief(60)



Insertion & Extraction Tools(1)

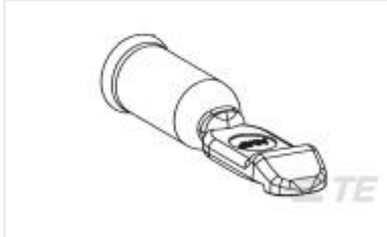


Sealing Sleeves(2)

Customers Also Bought



TE Part #650083-000
D-436-59



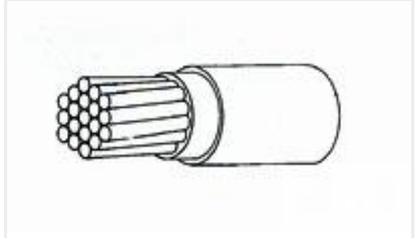
TE Part #647878-1
SERIES 50 & 75 CONTACT,8 AWG



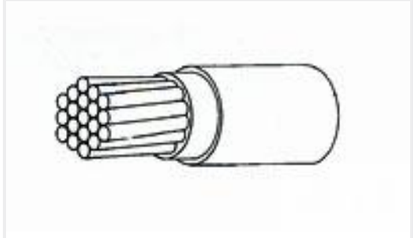
TE Part #2-36153-2
PIDG R 22-16 COMM 22-18 MIL 10



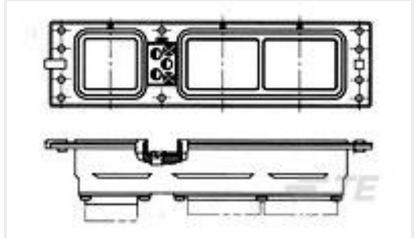
TE Part #5053022021
RNF-100-1/8-6-STK



TE Part #218203-002
22759/34-22-9



TE Part #218542-002
22759/34-24-9



TE Part #1663556-1
RECPT ASSY, SZ 2, ARINC 600



TE Part #323763-000
55A1821-24-9/96-9CS2275



TE Part #620235-000
D-108-0033

Documents

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_1-796329-1_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_1-796329-1_F.3d_igs.zip

English

Customer View Model

ENG_CVM_1-796329-1_F.3d_stp.zip

English

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

Datasheets & Catalog Pages

AMP Circular Connectors for Commercial Signal & Power Applications

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English