



Connectors > Power Connectors > Circular Power > Circular Power Connectors



Number of Positions: 37

Connector Product Type: Housing

Operating Voltage: 600 VDC

Connector System: Wire-to-Wire

Sealable: Yes

Features

Product Type Features

Connector Seal & Plug Type	Peripheral
Connector Product Type	Housing
Connector System	Wire-to-Wire
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Connector & Housing Type	Receptacle
Circular Connector Shell Type	All Plastic

Configuration Features

Reverse Numbering	Without
Number of Positions	37
Number of Power Positions	0
Number of Signal Positions	37

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Reverse Gender	Yes
Contact Type	Socket
Contact Protection	With

Mechanical Attachment

Mating Retention Type	Threaded Coupling
Thread Size	1-3/8 - 18 UNEF-2A
Polarization Code	A
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)
Mating Retention	With
Panel Mount Feature	Without

Housing Features

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

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Fluid Resistance	Immersion

Operation/Application

Circuit Application	Power & Signal
Shielded	No

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	1
Packaging Method	Standard

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 2025 (247) 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	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 # 6-2407269-2
CAP, CPC, SIZE 23 RECP, BLACK



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



TE Part # 81665-5
ECONOSEAL, FLANGE GASKET



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



TE Part # 207052-1
SZ23 UNASSM KIT,CPC



TE Part # 207052-2
SZ23 UNASSM KIT,CPC



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

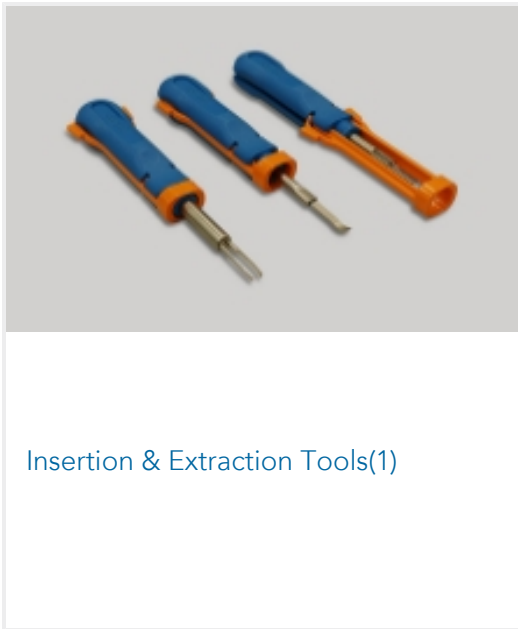
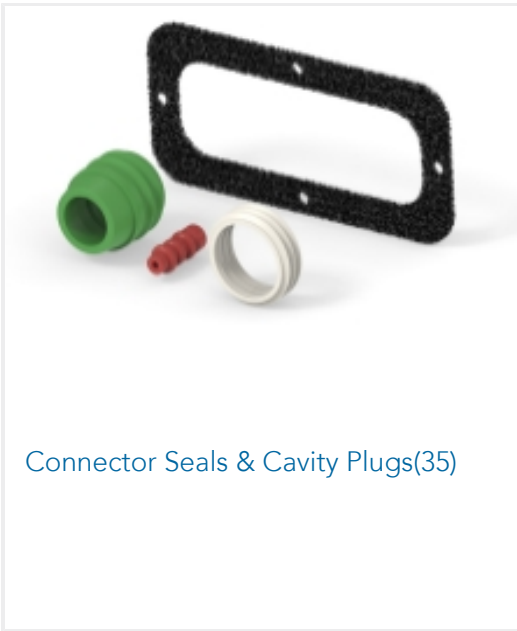
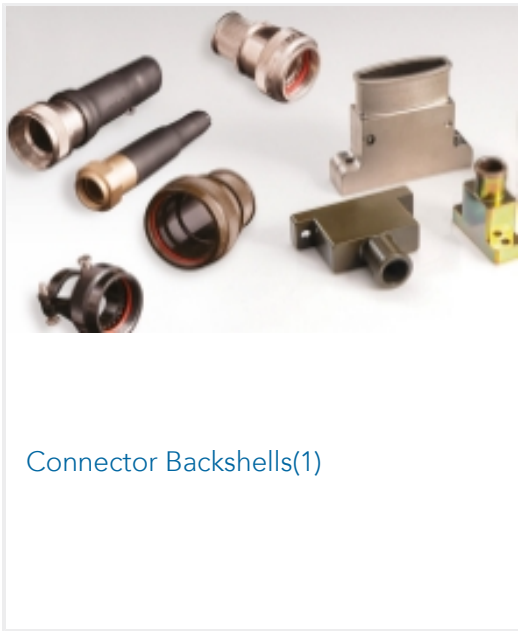
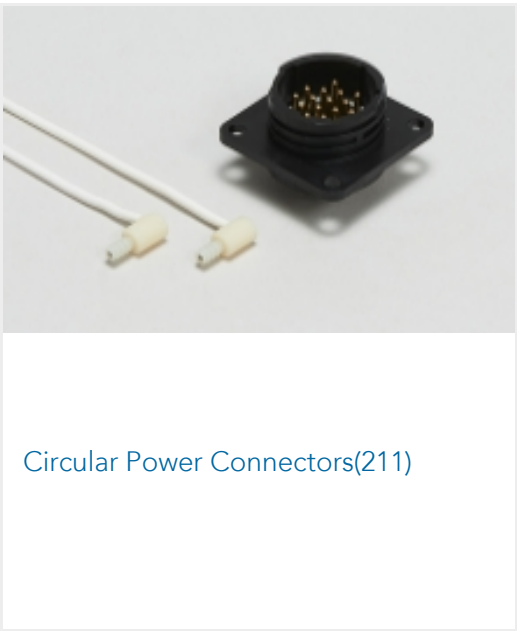


TE Part # 207052-3
SZ23 UNASSM KIT,CPC



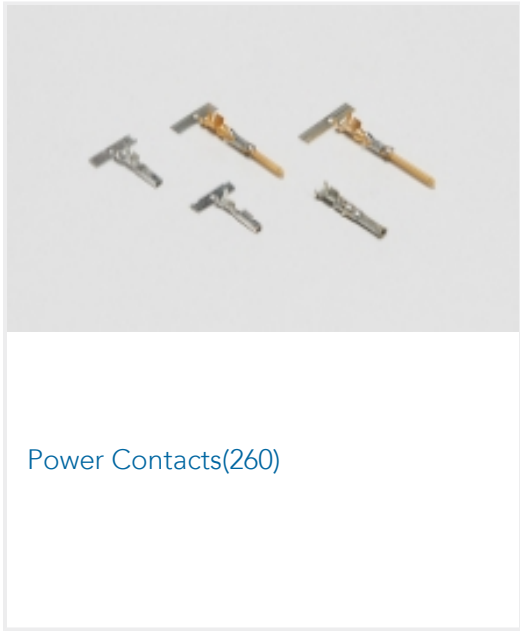
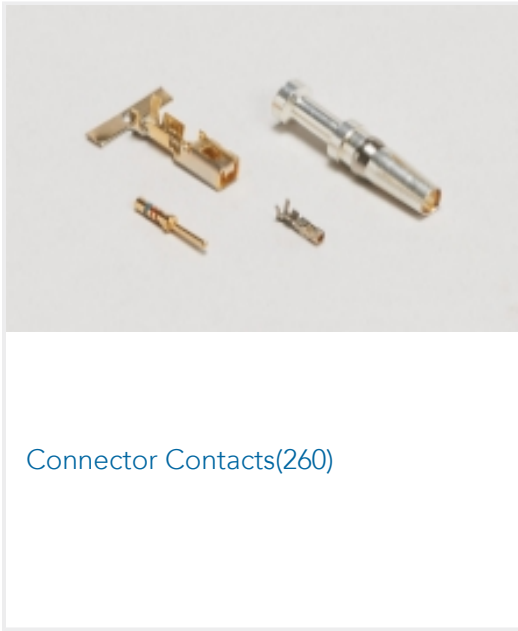
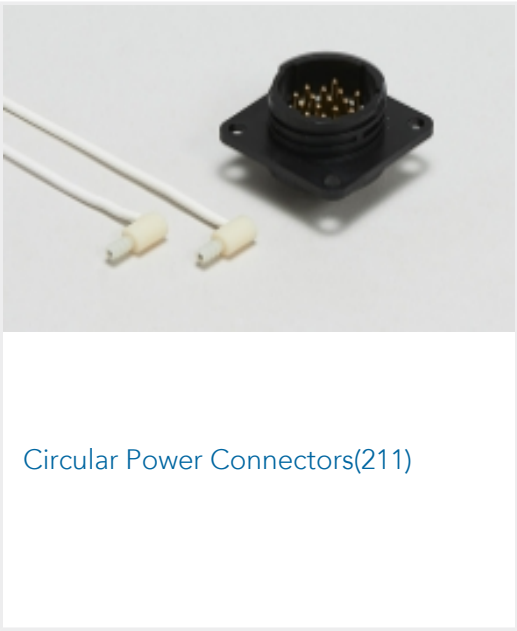
Also in the Series

AMP Circular Plastic Connectors



Also in the Series

Circular Plastic Connectors Series 1



Customers Also Bought

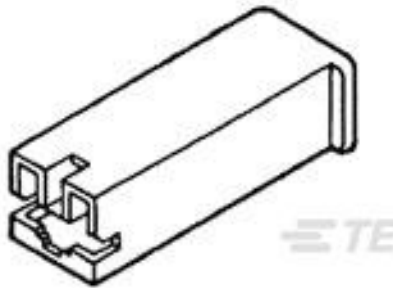




TE Part #CAT-AM7801-B128
AMPSEAL 16 Connectors Backshell



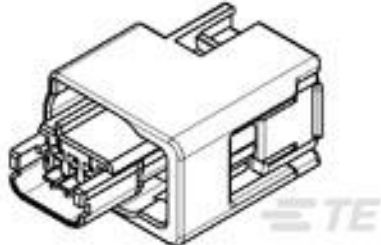
TE Part #5-2297811-1
3POS,HPF 1.2,REC HSG,ASSY,SLD



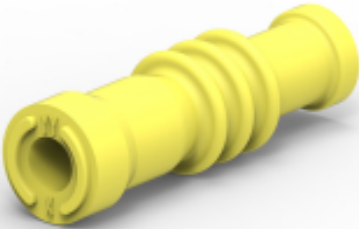
TE Part #172076-2
PL MKII 250 REC HSG 1P NYLON BLACK



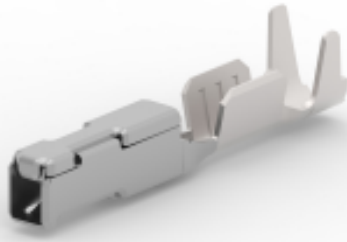
TE Part #CAT-AM7801-CH8172
AMPSEAL 16 Housings



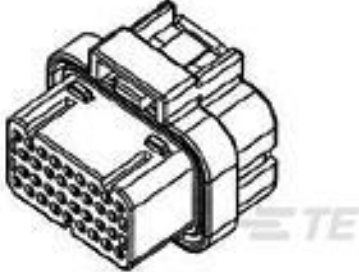
TE Part #1438454-1
0.64MM,3 POSN SEALED PLUG ASSY



TE Part #2297819-1
SINGLE WIRE SEAL,HPF 1.2,RUBBER



TE Part #1456968-2
CONTACT,FEMALE, 0.64, 18 AWG, AG



TE Part #1473416-2
SUPER SEAL 26POS PLUG ASSY

Documents

Product Drawings

CPC RECPT SEALED SIZE 23-37

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_206306-4_AL.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_206306-4_AL.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_206306-4_AL.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

Agency Approvals

UL Report



English