



AMP | Circular Plastic Connectors Series 1, AMP Circular Plastic Connectors

TE Internal #: 207890-2

37 Position Circular Power Connector, Connector Assembly, 250

VDC, Wire-to-Board / Wire-to-Panel, AMP Circular Plastic

Connectors

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Connectors > Power Connectors > Circular Power > Circular Power Connectors



Connector Product Type: **Connector Assembly**

Operating Voltage: **250 VDC**

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

Number of Positions: **37**

Sealable: **No**

**Features**

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

**Electrical Characteristics**

Operating Voltage	250 VAC
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**Contact Features**

Reverse Gender	Yes
Contact Type	Socket

**Termination Features**

Termination Method to PCB	Through Hole - Solder
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**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

### Housing Features

Housing Color	Black
Housing Material	Thermoplastic
Circular Connector Shell Size	23

### Dimensions

Assembly Length	30.71 mm[1.209 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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### Packaging Features

Packaging Quantity	12
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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold

EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUNE 2025 (250)

Candidate List Declared Against: JUNE 2025 (250)

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



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



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



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



TE Part # 207299-4  
FLANGE PLUG



TE Part # 207055-1  
EXTENDER BACK SHELL



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



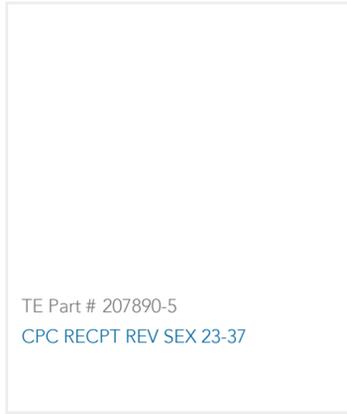
TE Part # 6-2407269-2  
CAP, CPC, SIZE 23 RECP, BLACK



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



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



TE Part # 207890-5  
CPC RECPT REV SEX 23-37



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



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



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

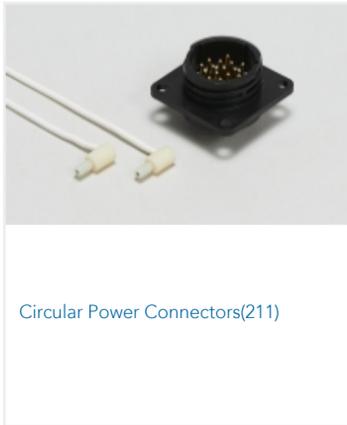


TE Part # 1-206138-0  
CABLE CLAMP ASSY,BULK PACKED



TE Part # 206138-8  
CLAMP CBL SHELL SIZE 23

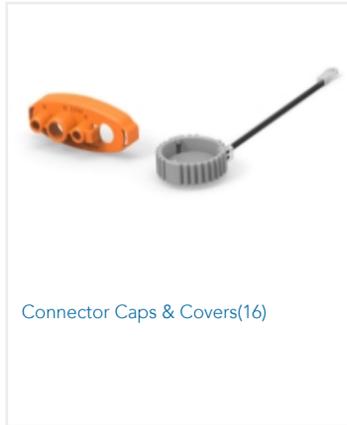
### Also in the Series | AMP Circular Plastic Connectors



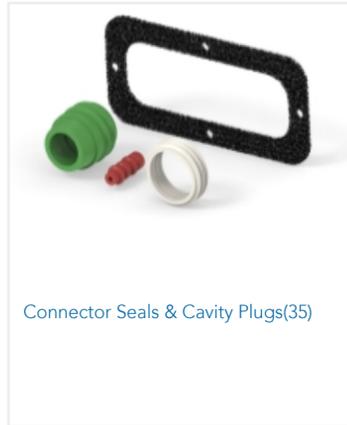
Circular Power Connectors(211)



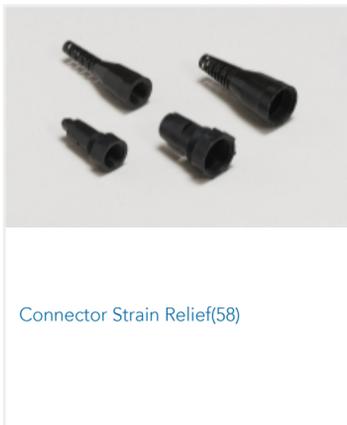
Connector Backshells(1)



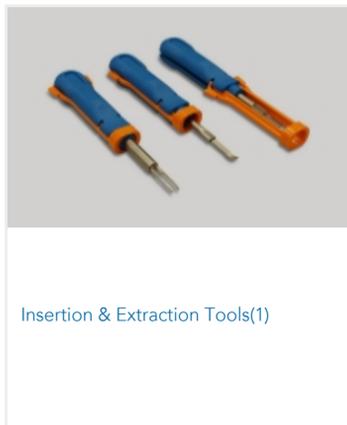
Connector Caps & Covers(16)



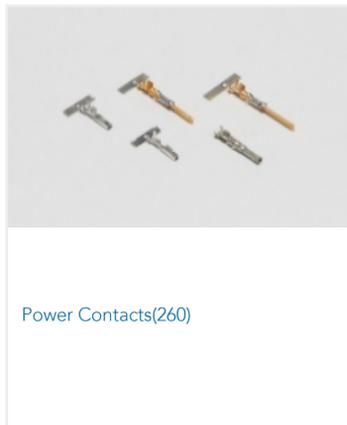
Connector Seals & Cavity Plugs(35)



Connector Strain Relief(58)



Insertion & Extraction Tools(1)



Power Contacts(260)

### Also in the Series | Circular Plastic Connectors Series 1



Circular Power Connectors(211)

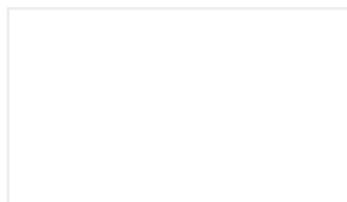


Connector Contacts(260)



Power Contacts(260)

## Customers Also Bought

TE Part #1-66740-1  
TYPE XII FEMALE CONT (STRIP)TE Part #211825-1  
CPC RECPT ASSEMBLY SIZE 23-13TE Part #4-640427-2  
12P MTA156 CONN ASSY 20AWG YELTE Part #650859-5  
064 EURO TYPE B RECEPT ST ASSYTE Part #749070-9  
100 50SR VERT RCPT ASSYTE Part #1-1437559-1  
MTG106D=(MSTG) SW TOG  
MUSTANGTE Part #1445715-7  
75A HSG SUBASY BLACKTE Part #5650479-5  
ASSY,PIN,EUROCARD,TYPE R/2,LEAD-  
FREE,48TE Part #5747301-2  
37 RCPT SP/FMS STDTE Part #T4171010005-002  
M12,REAR MOUNTING,MALE,A,5P,0.5  
M WIRE

## Documents

### CAD Files

[3D PDF](#)

[3D](#)

### Customer View Model

[ENG\\_CVM\\_CVM\\_207890-2\\_S.2d\\_dxf.zip](#)

English

### Customer View Model

[ENG\\_CVM\\_CVM\\_207890-2\\_S.3d\\_igs.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_207890-2\\_S.3d\\_stp.zip](#)

English

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**Datasheets & Catalog Pages**

[AMP Circular Connectors for Commercial Signal & Power Applications](#)

English

[Datasheet - CPC Protective Caps](#)

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[Accessories for Circular plastic connectors](#)

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[Circular Plastic Connectors Standard Cable Assemblies](#)

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**Product Specifications**

[Application Specification](#)

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**Agency Approvals**

[UL Report](#)

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