# 206837-3 ✔ ACTIVE

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

TE Internal #: 206837-3

24 Position Circular Power Connector, Housing, 600 VDC, Wire-to-Wire, Sealable, Wire & Cable, Plug, Socket, AMP Circular Plastic Connectors

View on TE.com >

Connectors > Power Connectors > Circular Power > Circular Power Connectors







Connector Product Type: **Housing**

Operating Voltage: **600 VDC**

Connector System: **Wire-to-Wire**

Number of Positions: **24**

Sealable: **Yes**

## Features

### Product Type Features

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

### Configuration Features

| | |
|---|---|
| Reverse Numbering | Without |
| Number of Positions | 24 |
| Number of Power Positions | 0 |
| Number of Signal Positions | 24 |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 600 VAC |

## Contact Features

| | |
|---|---|
| Reverse Gender | No |
| 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 6/6 GF |
| Circular Connector Shell Size | 23 |

## Usage Conditions

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

## Operation/Application

| | |
|---|---|
| Circuit Application | Power & Signal |
| Shielded | No |

## Industry Standards

| | |
|---|---|
| UL Flammability Rating | UL 94V-0 |

## Packaging Features

| | |
|---|---|
| Packaging Quantity | 100 |
| Packaging Method | Bag |

# 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 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>SVHC > Threshold:<br>Triphenyl phosphate (TPP) (1% in 4995546)<br>**Article Safe Usage Statements:**<br>Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. 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

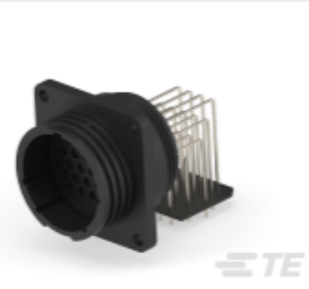
## Compatible Parts



TE Part # 206838-4
CPC RECPT SEALED SIZE 23-24



TE Part # 206838-3
CPC RECPT SEALED SIZE 23-24



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



TE Part # 211839-1
CPC RCPT SZ 23-24 W/THRD INSRT



TE Part # 206838-2
RECEPT,SZ 23,CPC



TE Part # 206838-1
23-24 RECEPT

## Also in the Series | AMP Circular Plastic Connectors



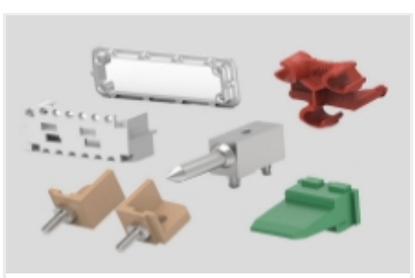
Circular Connector Backshells & Clamps(1)



Circular Power Connectors(211)



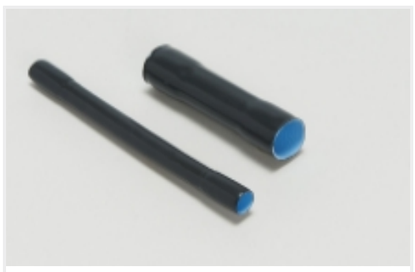
Connector Contacts(260)



Connector Hardware(10)



Power Contacts(260)



Sealing Sleeves(2)

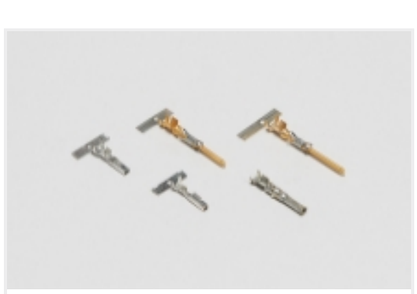
## Also in the Series | Circular Plastic Connectors Series 1



Circular Power Connectors(211)



Connector Contacts(260)



Power Contacts(260)

## Customers Also Bought



TE Part #60700-3
RING CRIMP 20-16 AWG BR



TE Part #206150-3
CPC PLUG ASSEMBLY SIZE 23-37



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



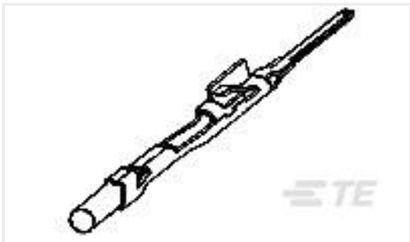
TE Part #206838-1
23-24 RECEPT



TE Part #206838-2
RECEPT,SZ 23,CPC



TE Part #213853-1
CPC PLUG ASSEMBLY SIZE 23-19



TE Part #1376109-2
025 TAB CONT AU



TE Part #7-1393239-7
RT314A03



TE Part #1-2176471-2
HPCR 0819 A 10% 47R Std T&R



TE Part #5557561-1
MOD JK ASSY,3PORT,8POSN,RTANG

## Documents

### Product Drawings

CPC PLUG ASSEMBLY SIZE 23-24

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_206837-3_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_206837-3_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_206837-3_H.3d_stp.zip

English

3D PDF

English

### Customer View Model

ENG_CVM_206837-3_G1.2d_dxf.zip

English

### Customer View Model

ENG_CVM_206837-3_G1.3d_igs.zip

English

### Customer View Model

ENG_CVM_206837-3_G1.3d_stp.zip

English

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

## Product Specifications

### Application Specification

English

## Agency Approvals

### UL Report

English