# 1445825-3 ✔ ACTIVE

AMP | Mini Circular Plastic Connectors, AMP Circular Plastic Connectors

TE Internal #: 1445825-3

9 Position Circular Power Connector, Housing, 250 VDC, 30 – 18 AWG, .0509 – .823 mm² Wire, Wire-to-Wire, Sealable, AMP Circular Plastic Connectors

View on TE.com >

Connectors > Power Connectors > Circular Power > Circular Power Connectors







Connector Product Type: **Housing**

Operating Voltage: **250 VDC**

Wire Size: **.0509 – .823 mm²**

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

## Features

### Product Type Features

| | |
|---|---|
| Connector Seal & Plug Type | Peripheral, Wire Entry Seal |
| 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 | 9 |
| Number of Power Positions | 0 |
| Number of Signal Positions | 9 |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 250 VAC |

## Contact Features

| | |
|---|---|
| Reverse Gender | No |
| Contact Type | Pin |
| Contact Current Rating (Max) | 5.9 A |

## Termination Features

| | |
|---|---|
| Termination Method to Wire & Cable | Crimp |

## Mechanical Attachment

| | |
|---|---|
| Mating Retention Type | Threaded Coupling |
| Thread Size | 3/4-20 UNEF-2A |
| Mating Alignment | With |
| Mating Retention | With |
| Panel Mount Feature | Without |

## Housing Features

| | |
|---|---|
| Housing Color | Black |
| Housing Material | Thermoplastic |
| Circular Connector Shell Size | 11 |

## Dimensions

| | |
|---|---|
| Compatible Insulation Diameter Range | 1.5 – 2.39 mm[.059 – .11 in] |
| Wire Size | .0509 – .823 mm² |

## 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 |

## Packaging Features

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

# Product Compliance

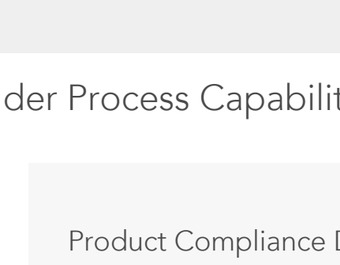
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| 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: JAN 2025 (247)<br>Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Not reviewed 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

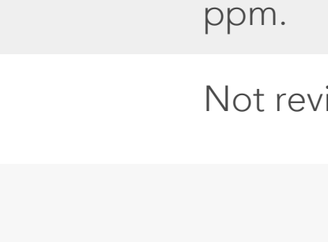
## Compatible Parts



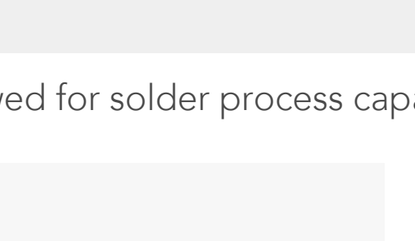
TE Part # 1445807-1
PLUG,11-9,SM INS,STD KEY



TE Part # 1445807-3
PLUG,11-9,LG INS,STD KEY



TE Part # 1546921-1
STR RLF ASSY,TUBING,SIZE 11



TE Part # 1-770904-0
MINI UMNL SOK 22-18 AWG AU



TE Part # 1-770903-0
MINI UMNL PIN 22-18 AWG AU



TE Part # 1-794058-0
MINI UMNL SOK L/P LF



TE Part # 1-770901-0
MINI UMNL PIN 26-22 AWG AU LF



TE Part # 1-770987-0
MINI UMNL PIN 22-18 AWG AU LP



TE Part # 1-770986-0
MINI UMNL SOK 26-22AWG AU LP



TE Part # 770988-1
MINI UMNL SOK 22-18AWG SN LP



TE Part # 770902-6
MINI UMNL SOK 26-22 AWG AU



TE Part # 770902-3
MINI UMNL SOK 26-22 AWG AU



TE Part # 770834-4
MINI UMNL SOCKET PHBR



TE Part # 1445420-2
SEAL,FLANGE,SIZE 11



TE Part # 1-770835-0
MINI UMNL PIN AU LF



TE Part # 1-770902-1
MINI UMNL SOK 26-22 AWG AU LF



TE Part # 1-770985-0
MINI UMNL PIN 26-22AWG AU LP



TE Part # 1-770904-1
MINI UMNL SOK 22-18AWG AU LF



TE Part # 1-794059-0
MINI UMNL PIN L/P LF



TE Part # 794058-1
MINI UMNL SOK L/P

## Also in the Series | AMP Circular Plastic Connectors



Circular Power Connectors(40)



Connector Backshells(1)



Connector Caps & Covers(16)



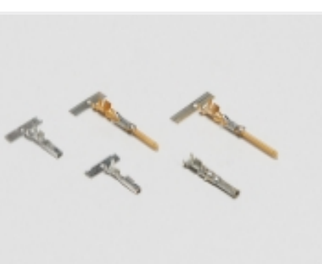
Connector Seals & Cavity Plugs(35)



Connector Strain Relief(60)

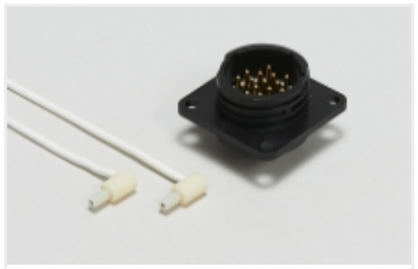


Insertion & Extraction Tools(1)



Power Contacts(20)

## Also in the Series | Mini Circular Plastic Connectors



Circular Power Connectors(40)



Connector Contacts(20)

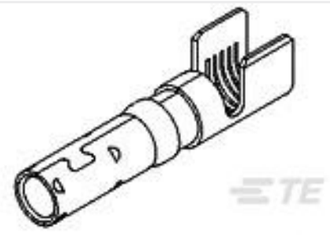


Power Contacts(20)

## Customers Also Bought



TE Part #YD369-G99-NS400000
369 9 WAY INLINE 90 PCB REC, GOLD, SKT



TE Part #213847-4
PWRBND SOC ASY,14-12,L.P.



TE Part #213894-2
CPC RECPT SEALED SIZE 17-10



TE Part #1-406541-8
MJ,INV,1X1,0PNL G,.100"ST,SN



TE Part #926539-5
250 FASTON HSG. REC. 1P BLACK



TE Part #1445390-1
PLUG,8-4,SM INS,STD KEY



TE Part #1445390-3
PLUG,8-4,LG INS,STD KEY



TE Part #1445420-1
SEAL,FLANGE, SIZE 8/M13.5



TE Part #1445421-1
REC,8-4,FLNG MT,SM INS,STD KEY



TE Part #2176091-3
RP 2A 0.25W 60R4 0.1% 25PPM 1K RL

## Documents

### Product Drawings

RECPT,11-9,FREE HNG,STD KEY

English

### CAD Files

3D PDF

3D

### Customer View Model

ENG_CVM_CVM_1445825-3_D.2d_dxf.zip

English

### Customer View Model

ENG_CVM_CVM_1445825-3_D.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_1445825-3_D.3d_stp.zip

English

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

## Datasheets & Catalog Pages

1-1773902-9_CPC_Catalog

English

1-1773902-9_CPC_Catalog

1-1773902-9_CPC_Catalog

German

1-1773902-9_CPC_Catalog

Japanese

AMP Circular Connectors for Commercial Signal & Power Applications Continued

English

## Product Specifications

Application Specification

English