1445821-1 ✔ ACTIVE

AMP | Mini Circular Plastic Connectors, AMP Circular Plastic Connectors

TE Internal #: 1445821-1

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

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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	8
Number of Power Positions	0
Number of Signal Positions	8

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
Connector Mounting Type	Panel Mount
Mating Retention	With
Panel Mount Feature	With

Housing Features

Housing Color	Black
Housing Material	Thermoplastic
Circular Connector Shell Size	11

Dimensions

Compatible Insulation Diameter Range	.89 – 1.5 mm[.035 – .059 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	Carton

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) Candidate List Declared Against: JAN 2022 (223) Does not contain REACH SVHC
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not reviewed for solder process capability

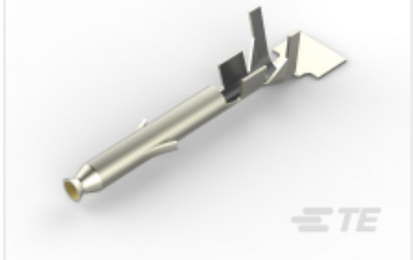
Product Compliance Disclaimer

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

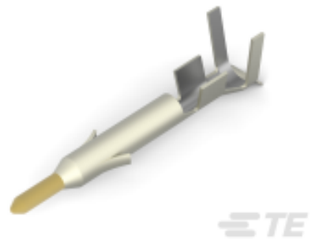
Compatible Parts



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



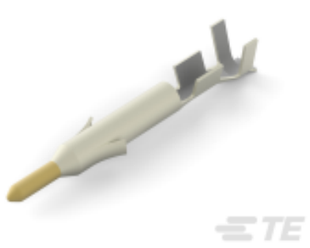
TE Part # 1-770904-0
MINI UMNL SOK 22-18 AWG AU



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



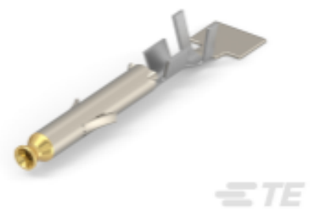
TE Part # 1-770987-0
MINI UMNL PIN 22-18 AWG AU LP



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



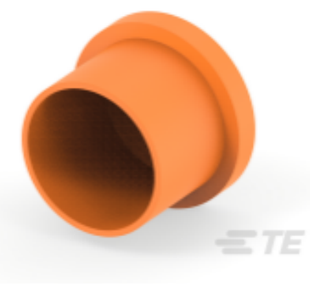
TE Part # 770902-3
MINI UMNL SOK 26-22 AWG AU



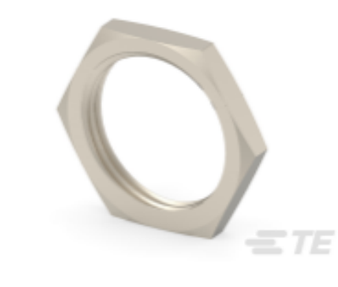
TE Part # 770834-4
MINI UMNL SOCKET PHBR



TE Part # 1-770834-0
MINI UMNL SOK AU LF



TE Part # 1-2407269-1
CAP, CPC, SIZE 11 RECP & 13 PLUG, ORANGE



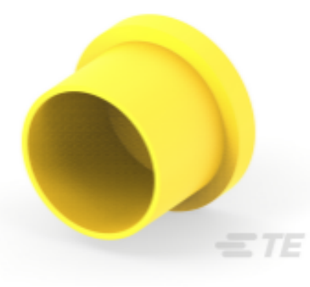
TE Part # 1445904-1
NUT,JAM,3/4-20,PKG QTY 100



TE Part # 1546746-3
R/A STRN RELIEF KIT,SZ 11, MINI CPC



TE Part # 1-770988-0
MINI UMNL SOK 22-18AWG AU



TE Part # 1-2407269-4
CAP, CPC, SIZE 11 RECP & 13 PLUG, YELLOW



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



TE Part # 770901-1
MINI UMNL PIN 26-22 AWG SN



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

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)

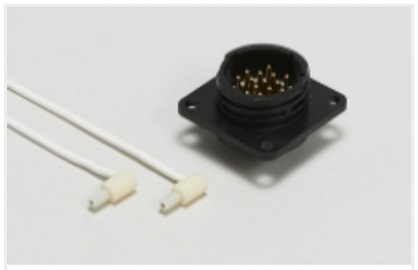


Insertion & Extraction Tools(1)



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 #YCTJ122E01CC015000
ELEC MODULE



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



TE Part #1445534-1
PLUG,8-3,SMALL INS,STD KEY



TE Part #1445535-1
PLUG,8-2,LG INS,STD KEY



TE Part #1445538-1
REC,8-2,FLNG MT,SM INS,STD KEY



TE Part #1445817-1
PLUG,11-8,SM INS,STD KEY



TE Part #8-1625868-5
RP 2A 0.25W 40R2 0.1% 25PPM 1K RL

Documents

Product Drawings

REC,11-8,FLNG MT,SM INS,STD KE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1445821-1_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1445821-1_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1445821-1_C.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