



Connectors > Power Connectors > Circular Power > Circular Power Connectors



Number of Positions: 2

Connector Product Type: **Housing**

Operating Voltage: **250 VDC**

Wire Size: **.0509 – .823 mm²**

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

Number of Positions	2
Number of Power Positions	0
Number of Signal Positions	2

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

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Reverse Gender	No
Contact Type	Pin
Contact Current Rating (Max)	7.5 A

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Mating Retention Type	Threaded Coupling
Thread Size	5/8-24 UNEF-2A and 1/2-20 UNF-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	8

Dimensions

Compatible Insulation Diameter Range	1.5 – 2.39 mm[.059 – .094 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
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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: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) 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 # 770904-1
MINI UMNL SOK 22-18 AWG SN

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

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

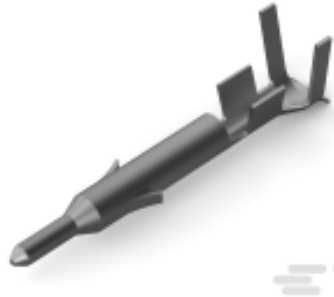
TE Part # 1-770903-1
MINI UMNL PIN 22-18 AWG AU LF

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

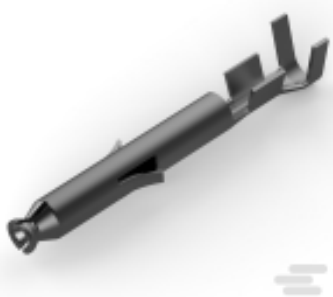
TE Part # 770835-1
MINI UMNL PIN SN

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

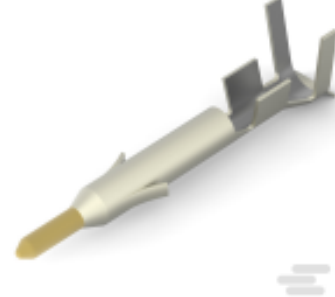
TE Part # 770904-6
MINI UMNL SOK CONT 22-18AWG AU



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



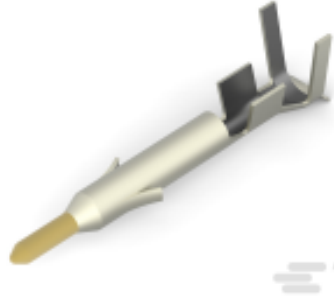
TE Part # 770986-1
MINI UMNL SOK 26-22AWG SN LP



TE Part # 770987-3
MINI UMNL PIN 22-18 AWG AU LP



TE Part # 770834-1
MINI UMNL SOCKET SN



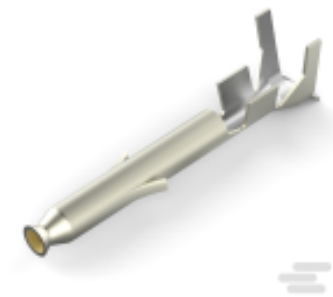
TE Part # 770903-6
MINI UMNL PIN 22-18 AWG AU



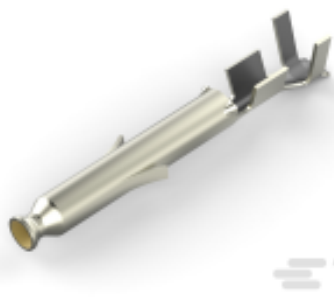
TE Part # 1-770834-1
MINI UMNL SOK PHBRZ AU LF



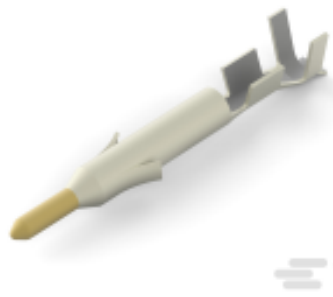
TE Part # 1604196-1
NUT,JAM,5/8-24,PKG QTY 100



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



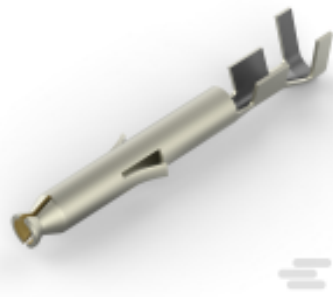
TE Part # 1-770902-0
MINI UMNL SOK 26-22 AWG AU



TE Part # 770901-3
MINI UMNL PIN 26-22 AWG AU



TE Part # 770904-3
MINI UMNL SOK 22-18 AWG AU



TE Part # 770986-3
MINI UMNL SOK 26-22AWG AU LP

Also in the Series | AMP Circular Plastic Connectors



Circular Connector Backshells & Clamps(1)



Circular Power Connectors(40)



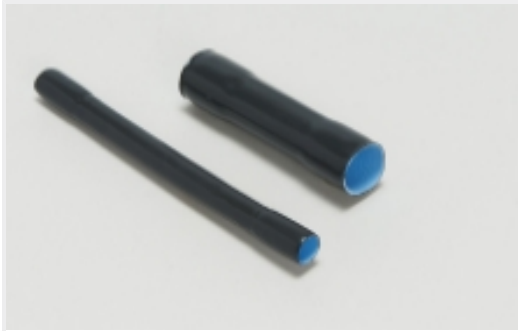
Connector Contacts(20)



Connector Hardware(10)



Power Contacts(20)



Sealing Sleeves(2)

Also in the Series | Mini Circular Plastic Connectors



Circular Power Connectors(40)



Connector Contacts(20)

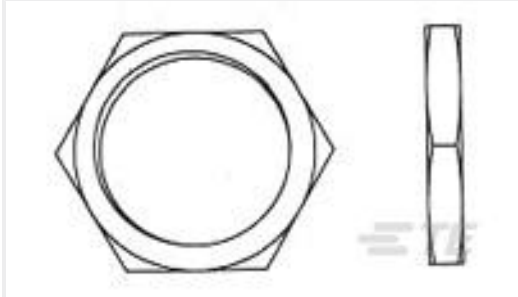


Power Contacts(20)

Customers Also Bought



TE Part #1658608-3
15 POS HDF PLUG, MS, LEAD FREE



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



TE Part #5057304009
RNF-100-5-BK-SP



TE Part #CJ8361-000
S200-3-W2-22-9



TE Part #32945
PG R 22-16 COMM 22-18 MIL 6



TE Part #66406-4
III+ PIN,30-26,30AU/FL,LP



TE Part #322418
BUDG R 22-16 COMM 22-18 MIL 4



TE Part #1-6609032-9
20VR6=F7312 S0



TE Part #1445421-3
REC,8-4,FLNG MT,LG INS,STD KEY



TE Part #201355-1
MALE BLOCK 14 PL.

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1445538-3_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1445538-3_C.3d_igs.zip



English

Customer View Model

[ENG_CVM_CVM_1445538-3_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