



Connectors > Power Connectors > Circular Power > Circular Power Connectors



Number of Positions: 3

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	3
Number of Power Positions	0
Number of Signal Positions	3

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	1/2-20 UNF-2A
Mating Alignment	With
Mating Retention	With
Panel Mount Feature	Without

Housing Features

Housing Color	Black
Housing Material	Thermoplastic
Circular Connector Shell Size	8

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

TE Part # 770834-3
MINI UMNL SOCKET AU

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

TE Part # 1445771-1
STR REL ASY,RIGHT ANGLE SIZE 8

TE Part # 1604089-1
CAP,DUST,SIZE 8

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



TE Part # 770985-1 MINI UMNL PIN 26-22AWG SN LP	TE Part # 770903-3 MINI UMNL PIN 22-18 AWG AU	TE Part # 770835-3 MINI UMNL PIN AU	TE Part # 770902-4 MINI UMNL SOCK 26-22 AWG SN
TE Part # 770985-3 MINI UMNL PIN 26-22AWG AU LP	TE Part # 794058-1 MINI UMNL SOK L/P	TE Part # 770988-1 MINI UMNL SOK 22-18AWG SN LP	TE Part # 1546997-1 STR RLF ASSY,TUBING,SIZE 8
TE Part # 1445420-1 SEAL,FLANGE, SIZE 8/M13.5	TE Part # 1-770901-0 MINI UMNL PIN 26-22 AWG AU LF	TE Part # 1-770903-0 MINI UMNL PIN 22-18 AWG AU	TE Part # 1-794058-0 MINI UMNL SOK L/P LF

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)		

Also in the Series | Mini Circular Plastic Connectors



Circular Power Connectors(40)



Connector Contacts(20)

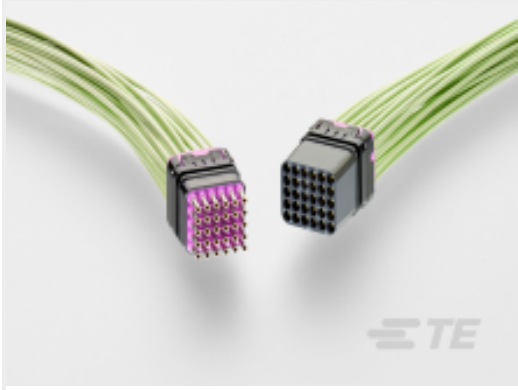


Power Contacts(20)

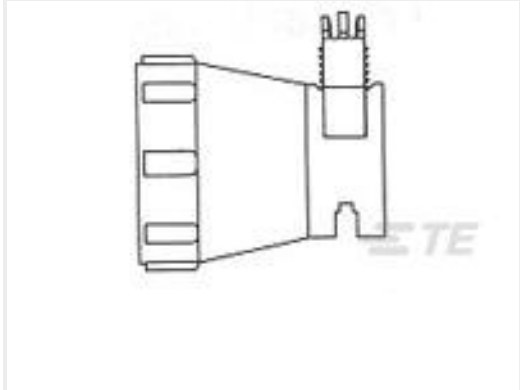
Customers Also Bought



TE Part #1445537-3
REC,8-3,FLNG MT,LG INS,STD KEY



TE Part #ZPF00000000202708
DMC-MR 30-23 PN



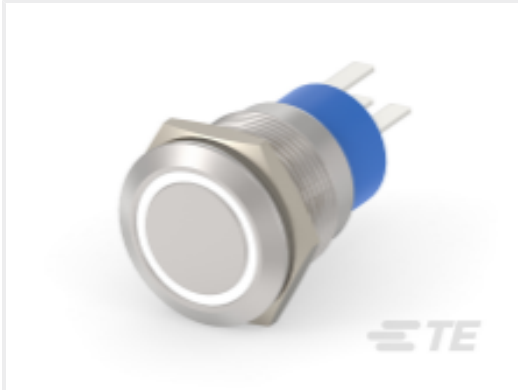
TE Part #1445730-1
STRN RELIEF ASY,STRT SIZE 8



TE Part #211103-1
CPC RECPT ASSEMBLY 17-14



TE Part #2-350377-0
MR SPLT GROMET .156 DIA BLK LF



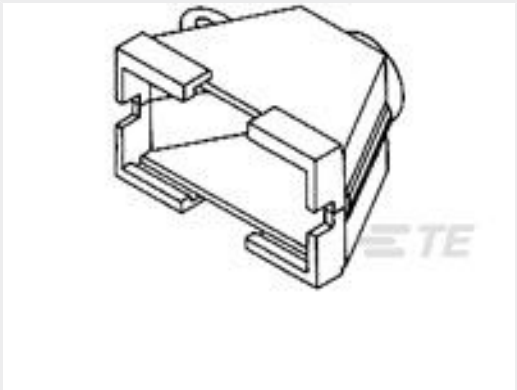
TE Part #2-2213767-3
AV19 SPL 3A MOVE RING LED WHITE 24V



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



TE Part #4-641237-0
10P MTA100 CONN ASSY RED 30AU



TE Part #350373-1
06P STR/REL HSG HNGD



TE Part #TCD1473A201-002
M12D4-MS-RJ-TPE-24SH-TEAL-1.0M

Documents

Product Drawings
REC,8-3,FRE HNG,LG INS,STD KEY
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_1445510-3_C.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_1445510-3_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1445510-3_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