



Connectors > Power Connectors > Circular Power > Circular Power Connectors



Number of Positions: 8

Connector Product Type: **Housing**

Operating Voltage: **250 VDC**

Wire Size: **.0509 – .823 mm²**

Features

Product Type Features

Connector Seal & Plug Type	Wire Entry 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	8
Number of Power Positions	0
Number of Signal Positions	8

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Reverse Gender	No
Contact Type	Socket
Contact Current Rating (Max)	5.9 A

Termination Features

Termination Method to Wire & Cable	Crimp
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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	.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
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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: JAN 2025 (247) 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 # 2407269-4
CAP, CPC, SIZE 11 PLUG, YELLOW



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



TE Part # 1445821-1
REC,11-8,FLNG MT,SM INS,STD KE



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



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

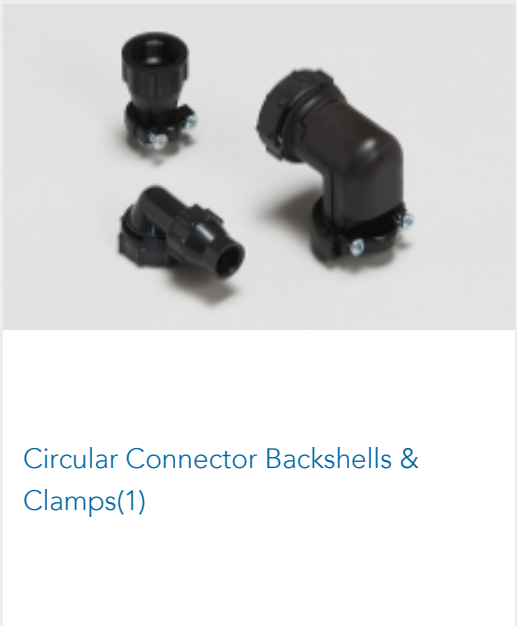
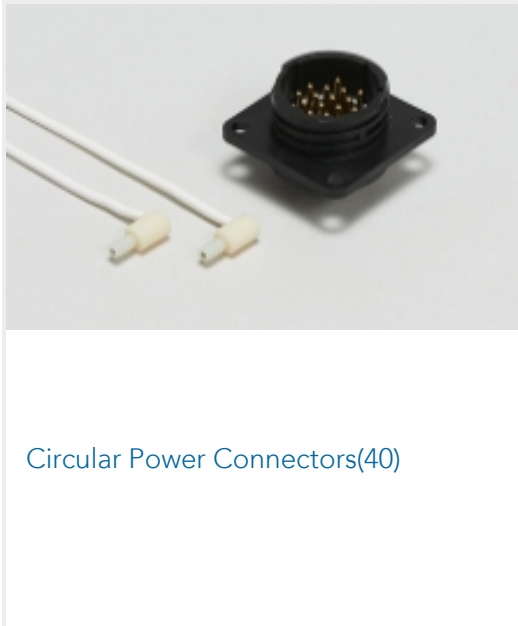
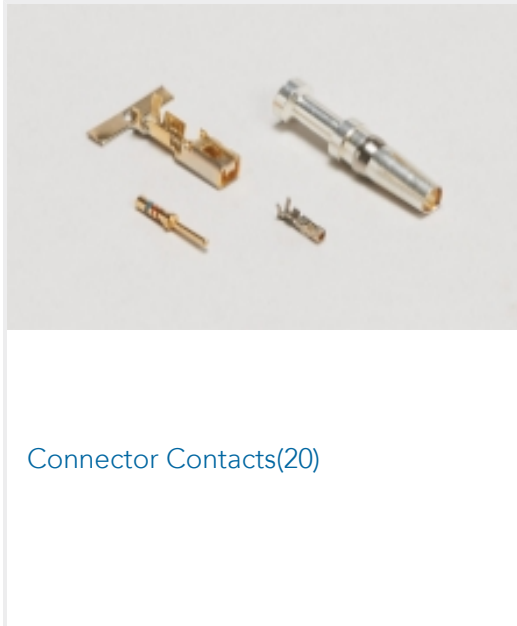
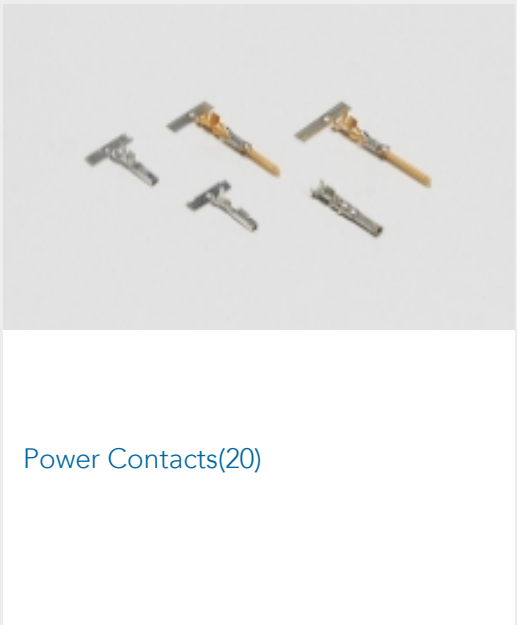
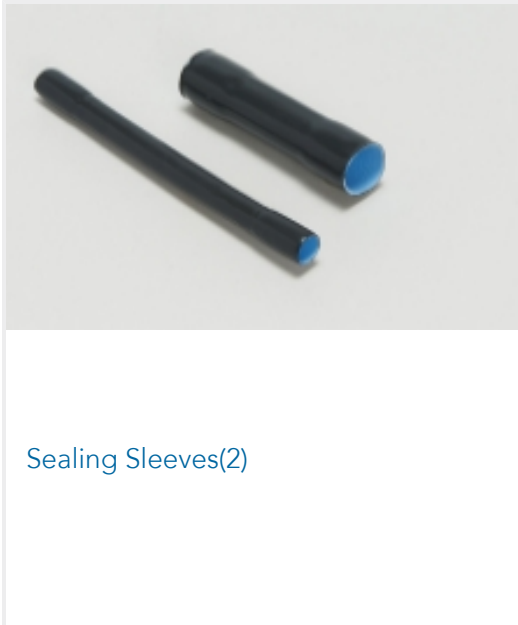


TE Part # 1445420-2
SEAL,FLANGE,SIZE 11



Also in the Series | AMP Circular Plastic Connectors

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 #231195-000
202D232-4/86-0

TE Part #225555-6
TNC PLUG DUAL W/P TR

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

TE Part #298656-000
DK-602-0157-1

TE Part #9422810001
TMS-SCE-3/8-2.0-9

TE Part #531872-000
S03-05-R

TE Part #2157229-1
BACKSHELL KIT.GPR,Sz10 T-RING,
SGL BRAID

TE Part #1616035-1
D56B=RELAY

TE Part #YCTJ120E03DC015000
MODULE ASSY

Documents

Product Drawings
PLUG,11-8,SM INS,STD KEY
English

CAD Files
Customer View Model
ENG_CVM_CVM_1445817-1_C1.2d_dxf.zip
English
3D PDF



3D

Customer View Model

[ENG_CVM_CVM_1445817-1_C1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1445817-1_C1.3d_stp.zip](#)

English

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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