



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

Packaging Features

Packaging Quantity	100
Packaging Method	Carton

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

Dimensions

Compatible Insulation Diameter Range	.89 – 1.5 mm [.035 – .059 in]
Wire Size	.0509 – .823 mm ²

Product Type Features

Connector Seal & Plug Type	Peripheral, Wire Entry Seal
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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
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Contact Features

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

Termination Features

Termination Method to Wire & Cable	Crimp
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Housing Features

Housing Color	Black
Housing Material	Thermoplastic
Circular Connector Shell Size	11

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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Other



EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 2024 (241) 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 # 770903-1
MINI UMNL PIN 22-18 AWG SN



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



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

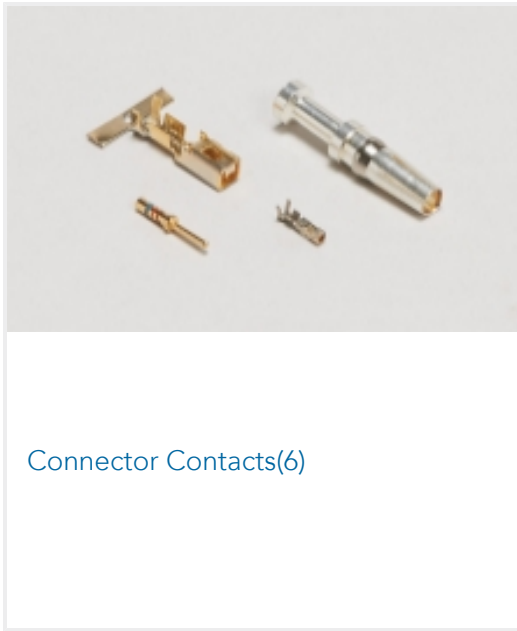
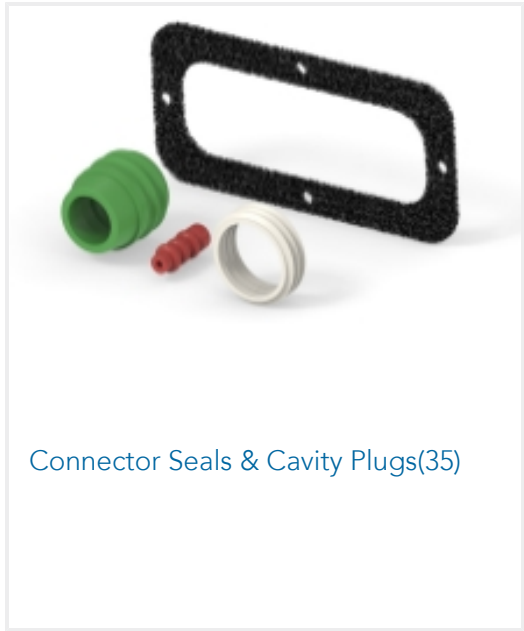


TE Part # 770987-1
MINI UMNL PIN 22-18AWG SN LP



 TE Part # 1-770903-1 MINI UMNL PIN 22-18 AWG AU LF	 TE Part # 1-770834-0 MINI UMNL SOK AU LF	 TE Part # 770901-1 MINI UMNL PIN 26-22 AWG SN	 TE Part # 770987-3 MINI UMNL PIN 22-18 AWG AU LP
 TE Part # 770835-1 MINI UMNL PIN SN	 TE Part # 770904-1 MINI UMNL SOK 22-18 AWG SN	 TE Part # 770986-1 MINI UMNL SOK 26-22AWG SN LP	 TE Part # 770834-1 MINI UMNL SOCKET SN
 TE Part # 1-2407269-1 CAP, CPC, SIZE 11 RECP & 13 PLUG, ORANGE	 TE Part # 1-2407269-4 CAP, CPC, SIZE 11 RECP & 13 PLUG, YELLOW	 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 # 1-770834-1 MINI UMNL SOK PHBRZ AU LF	 TE Part # 1-770902-0 MINI UMNL SOK 26-22 AWG AU	 TE Part # 770904-3 MINI UMNL SOK 22-18 AWG AU	 TE Part # 770902-1 MINI UMNL SOCK 26-22 AWG SN

Also in the Series | AMP CPC

 Connector Backshells(1)	 Connector Caps & Covers(16)	 Connector Contacts(6)	 Connector Seals & Cavity Plugs(35)
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Connector Strain Relief(60)



Insertion & Extraction Tools(1)

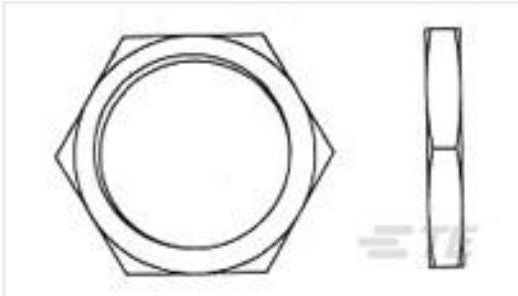


Power Contacts(6)

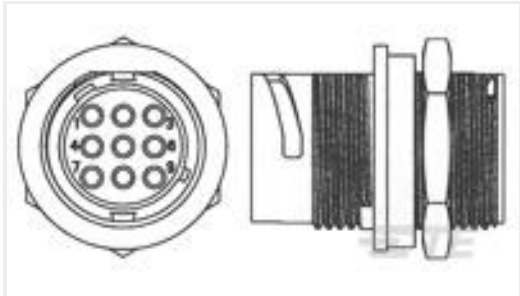
Customers Also Bought



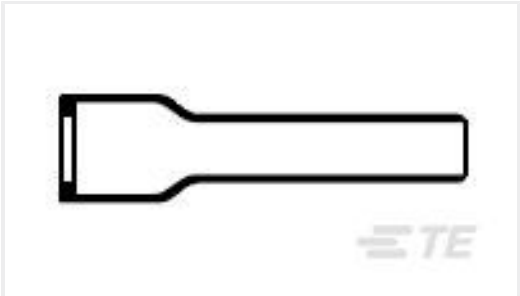
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TMS-SCE-3/8-2.0-9



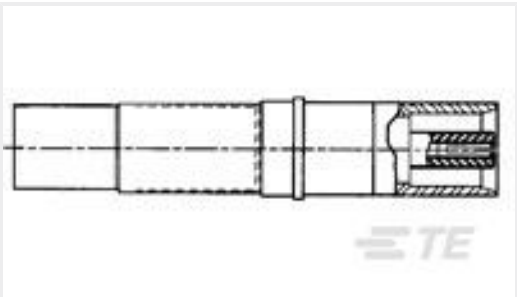
TE Part #1445904-1
NUT,JAM,3/4-20,PKG QTY 100



TE Part #1445816-3
RECPT,11-9,FLNG MT,STD KEY



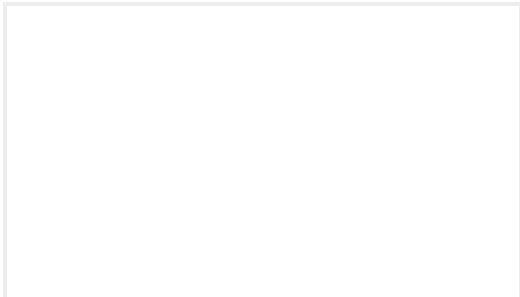
TE Part #231195-000
202D232-4/86-0



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



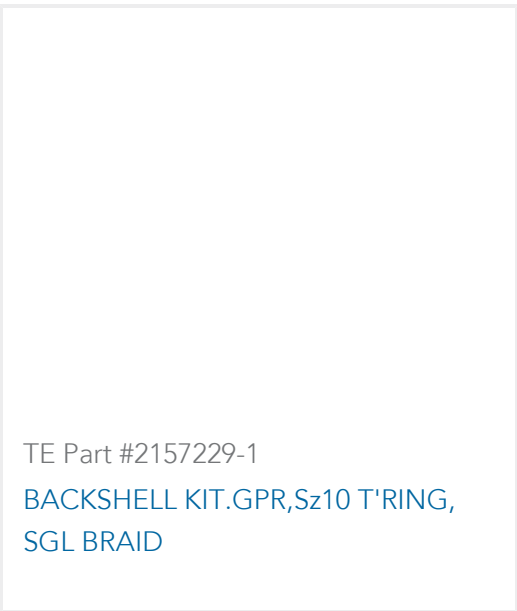
TE Part #531872-000
S03-05-R



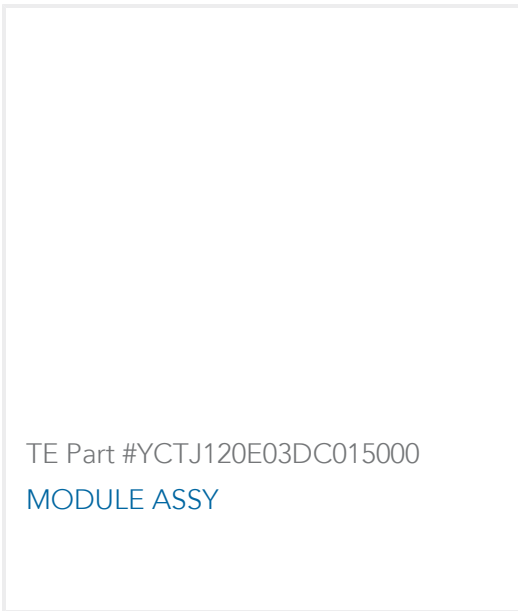
TE Part #YCTJ122E01CC015000
ELEC MODULE



TE Part #1616035-1
D56B=RELAY



TE Part #2157229-1
BACKSHELL KIT.GPR,Sz10 T'RING, SGL BRAID



TE Part #YCTJ120E03DC015000
MODULE ASSY

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

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Datasheets & Catalog Pages

[1-1773902-9_CPC_Catalog](#)

English

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[1-1773902-9_CPC_Catalog](#)

German

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Japanese

[AMP Circular Connectors for Commercial Signal & Power Applications Continued](#)

English

Product Specifications

[Application Specification](#)

English