1977882-1 ✔ ACTIVE

AMP | AMP Circular Plastic Connectors, Circular Plastic Connectors Series 1

TE Internal #: 1977882-1

9 Position Circular Power Connector, Housing, 600 VDC, Wire-to-Wire, Sealable, Wire & Cable, Receptacle, Pin, Signal, AMP Circular Plastic Connectors

View on TE.com >

Connectors > Power Connectors > Circular Power > Circular Power Connectors







Connector Product Type: **Housing**

Operating Voltage: **600 VDC**

Connector System: **Wire-to-Wire**

Number of Positions: **9**

Sealable: **Yes**

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	9
Number of Power Positions	0
Number of Signal Positions	9

Electrical Characteristics

Operating Voltage	600 VAC

Contact Features

Reverse Gender	No
Contact Type	Pin
Contact Protection	With

Mechanical Attachment

Mating Retention Type	Threaded Coupling
Thread Size	3/4 - 20 UNEF-2A
Polarization Code	A
Panel Mount Feature Type	Flange with Mounting Holes
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Panel Mount
Mating Retention	With
Panel Mount Feature	With

Housing Features

Body Orientation	Straight
Housing Color	Black
Housing Material	Nylon (UV Resistant)
Circular Connector Shell Size	13

Dimensions

Compatible Insulation Diameter Range	1.65 – 2.54 mm[.065 – .1 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Fluid Resistance	Immersion

Operation/Application

Circuit Application	Signal
Shielded	No

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	1
Packaging Method	Package

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: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable 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 # 1977884-1
SLD CPC PLUG ASSY,13-9,STD SEX, UV RESIS



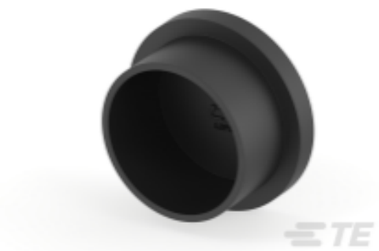
TE Part # 211870-2
SEALING CAP ASSY,SZ 13,CPC



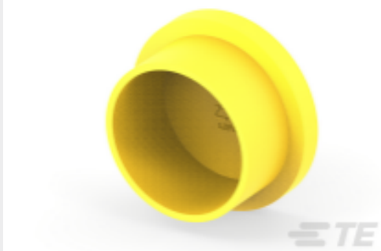
TE Part # 213485-1
CPC SEALING CAP ASSY SIZE 13



TE Part # 2-2407269-1
CAP, CPC, SIZE 13 RECP, ORANGE



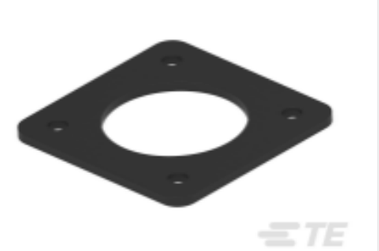
TE Part # 2-2407269-2
CAP, CPC, SIZE 13 RECP, BLACK



TE Part # 2-2407269-4
CAP, CPC, SIZE 13 RECP, YELLOW



TE Part # 208337-1
SEAL PROTECTOR PIN



TE Part # 81665-4
ECONOSEAL, FLANGE GASKET



TE Part # 54123-1
CPC,13 LONG TUBE

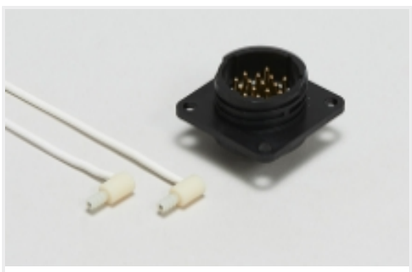


TE Part # 2-2407269-3
CAP, CPC, SIZE 13 RECP, RED

Also in the Series | AMP Circular Plastic Connectors



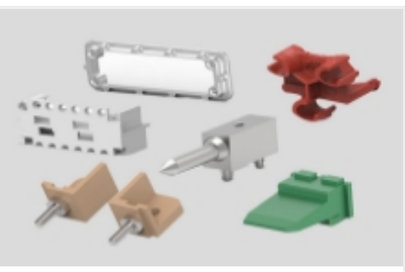
Circular Connector Backshells & Clamps(1)



Circular Power Connectors(211)



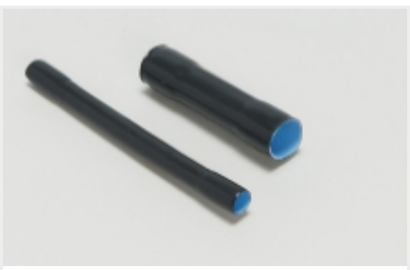
Connector Contacts(260)



Connector Hardware(10)

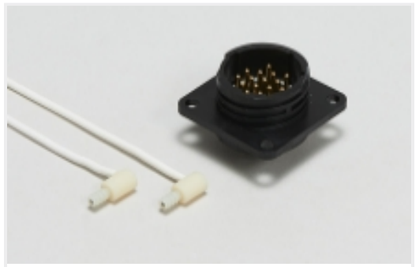


Power Contacts(260)



Sealing Sleeves(2)

Also in the Series | Circular Plastic Connectors Series 1



Circular Power Connectors(211)



Connector Contacts(260)



Power Contacts(260)

Customers Also Bought



TE Part #HD34-24-23PN-059
REC,23P,AL,N, CBL CLMP BT, DRAIN, 16,P,MC



TE Part #DTP04-4P-E004
REC, 4P, BLK, N



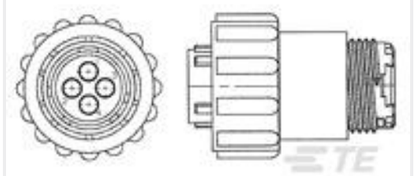
TE Part #1-66103-8
III+ PIN,24-20,TIN,LP



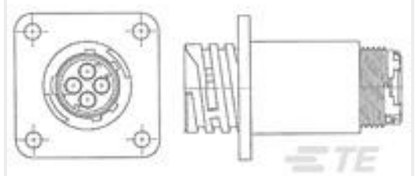
TE Part #1-66105-9
III+ SKT,24-20,TIN,LP



TE Part #206966-7
CABLE SHELL CLAMP SIZE 13



TE Part #788157-2
SLD CPC PLUG ASSY,13-9,STD SEX



TE Part #788158-2
SLD CPC RCPT ASSY,13-9,STD SEX



TE Part #1623404-1
CRG1206 1% 10K



TE Part #1623427-1
CRG1206 1% 150R



TE Part #4-1623932-5
CFR50 5% 1M0

Documents

Product Drawings

SLD CPC RCPT ASSY,13-9,STD SEX, UV RESIS

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1977882-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1977882-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1977882-1_B.3d_stp.zip

English

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Product Specifications

Connector, Circular Plastic

English

Product Specification

English