

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

TE Internal #: 796288-1

37 Position Circular Power Connector, Housing, 600 VDC, Wire-to-Wire, Sealable, Wire & Cable, Plug, Socket, Signal, AMP Circular Plastic Connectors

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Connector Product Type: **Housing**Operating Voltage: **600 VDC**Connector System: **Wire-to-Wire**Number of Positions: **37**Sealable: **Yes**

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	With
Number of Positions	37
Number of Power Positions	0
Number of Signal Positions	37

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Reverse Gender	No
Contact Type	Socket
Contact Protection	With

Mechanical Attachment

Mating Alignment Type	Keyed
Mating Retention Type	Threaded Coupling
Thread Size	1 3/8-18 UNEF-2A
Mating Alignment	With
Polarization Code	A
Connector Mounting Type	Cable Mount (Free-Hanging)
Mating Retention	With
Panel Mount Feature	Without

Housing Features

Body Orientation	Straight
Housing Color	Black
Housing Material	Nylon
Circular Connector Shell Size	23

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
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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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	<p>Current ECHA Candidate List: JUNE 2025 (250)</p> <p>Candidate List Declared Against: JUNE 2025 (250)</p> <p>SVHC > Threshold:</p> <p>Octamethylcyclotetrasiloxane (D4) (.5% in M-9955-1)</p> <p>Dodecamethylcyclohexasiloxane (D6) (.5% in M-9955-1)</p> <p>Decamethylcyclopentasiloxane (D5) (.5% in M-9955-1)</p> <p>Article Safe Usage Statements: Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.</p>
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 # 207052-2
SZ23 UNASSM KIT, CPC

TE Part # 200336-6
PIN CONT ASSY, SZ 16, TYPE II

TE Part # 66099-3
III+ PIN, 18-16, 15AU/FL, LP

TE Part # 796966-2
SKT ASSY, 18-16, HI CURRENT, TAPE



Also in the Series | AMP Circular Plastic Connectors



Circular Connector Backshells & Clamps(1)



Circular Power Connectors(211)



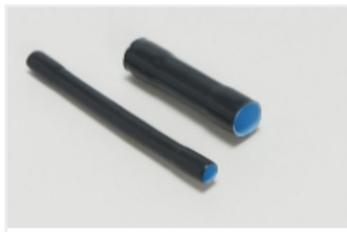
Connector Contacts(260)



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 #1SNA187312R1400
CPM



TE Part #TCD1473A201-003
M12D4-MS-RJ-TPE-24SH-TEAL-1.5M



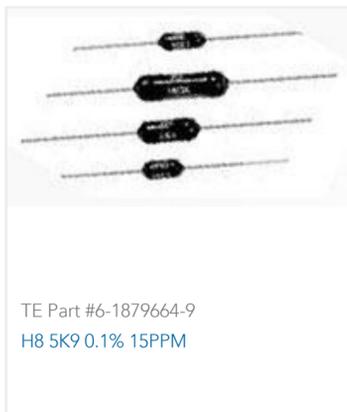
TE Part #1-66360-4
III+ SKT,18-14,30AU/FL,LP



TE Part #182926-1
CPC PLUG ASSY SIZE 23-37



TE Part #282836-8
TERMI-BLOK PCB MOUNT 90 8P.



TE Part #6-1879664-9
H8 5K9 0.1% 15PPM



TE Part #1SNS420862Z0000
AD00006319324-V11 (XT01+ES4 (M car))



TE Part #BM2081-000
BOW-OCP2-33M-P2NN



TE Part #1SNA199411R1400
FJH501



TE Part #4004000408
Speed Sen DSD 2020.40 AHW



Documents

Product Drawings

[PLUG.ASSY,23-37STD SEX THRD AD](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_796288-1_E.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_796288-1_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_796288-1_E.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

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

English

[Datasheet - CPC Protective Caps](#)

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[Accessories for Circular plastic connectors](#)

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[Circular Plastic Connectors Standard Cable Assemblies](#)

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[circular-plastic-connectors-catalog](#)

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Product Specifications

[Product Specification](#)

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Agency Approvals

[UL Report](#)

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