



Connectors > Circular Connectors > Standard Circular Connectors



Connector System: **Cable-to-Cable**

Connector Mounting Type: **Cable Mount (Free-Hanging)**

Number of Positions: **12**

Sealable: **No**

Circuit Application: **Signal**

Features

Product Type Features

Product Type	Housing Assembly
Connector System	Cable-to-Cable
Sealable	No
Circular Connector Type	Plug
Shell Type	Metal

Configuration Features

Number of Positions	12
Number of Power Positions	0
Number of Signal Positions	12
Contacts Preloaded	No

Electrical Characteristics

Operating Voltage	32 VAC
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Body Features

Environmental Protection Type	Sealed
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Environmental Protection	IP67
Shell Plating Material	Electrodeposited Nickel
Shell Base Material	Zinc Alloy
Circular Connector Insulation Material Type	PBT GF

Mechanical Attachment

Mating Retention Type	Speedtec (Triple Start Threaded)
Mating Alignment	With
Panel Mount Feature Type	Screw Mount
Connector Mounting Type	Cable Mount (Free-Hanging)
Mating Retention	With

Housing Features

Circular Connector Shell Size	17
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Dimensions

Cable Diameter Range	6 – 9.5 mm[.23 – .37 in]
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Usage Conditions

IP Water Sealing Level	IP67
Operating Temperature Range	-20 – 130 °C[-4 – 266 °F]

Operation/Application

Durability Rating	500 Cycles
Circuit Application	Signal
Shielded	Yes

Industry Standards

UL Flammability Rating	UL 94V-0
Compatible With Approved Standards Products	UL

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241)

Candidate List Declared Against: JUNE 2023 (235)
SVHC > Threshold:
Pb (3.5% in Component)

Article Safe Usage Statements:
Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

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

 <p>TE Part # AGC047N0000050A000 617 RECEPTACLE ANGLED ROTATABLE</p>	 <p>TE Part # AGC047N0000051A000 617 RECEPTACLE ANGLED ROTATABLE</p>	 <p>TE Part # AGC047N0000151A000 617 receptacle angled, rotatable</p>	 <p>TE Part # AEA047N0000050A000 617 RECEPTACLE, SPEEDTEC</p>
 <p>TE Part # AEA047N0000051A000 617 RECEPTACLE, SPEEDTEC</p>	 <p>TE Part # AKA047N0085051A000 617 EXTENSION, SPEEDTEC</p>	 <p>TE Part # AKA047N0085151A000 617 EXTENSION, SPEEDTEC-READY</p>	 <p>TE Part # AEA047N0000052A000 617 RECEPTACLE, SPEEDTEC</p>



TE Part # C0-0101-000-P00

[CRIMPING TOOL SMALL WITH POSITIONER](#)

TE Part # C0-0235-000-P00

[DIGITAL CRIMPING TOOL, SMALL](#)

Customers Also Bought

TE Part #AKA021N00750200000

[623 EXTENSION, SPEEDTEC-READY](#)

TE Part #AKA047N0085151A000

[617 EXTENSION, SPEEDTEC-READY](#)

TE Part #BKA186N00420200038

[923EXTENSION,DELIVERY AS INDIVIDUAL PART](#)

TE Part #BSA085N00480100000

[923 PLUG, SPEEDTEC](#)

TE Part #BSA863N0086201A000

[917 PLUG](#)

TE Part #CKA267N00440051000

[940 EXTENSION, SPEEDTEC-READY](#)

TE Part #EEA002N000000004000

[615 ITEC RECEPTACLE](#)

TE Part #60-0251-011-P00

[CONTACT SOCKET 1 MM](#)

TE Part #60-0011-011-P00

[CONTACT SOCKET 1 MM](#)

TE Part #61-0027-011-P00

[CONTACT PIN 2 MM](#)

Documents

[CAD Files](#)

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG_CVM_CVM_ASA046N0085050A000_A.2d_dxf.zip](#)

[English](#)

[Customer View Model](#)

[ENG_CVM_CVM_ASA046N0085050A000_A.3d_igs.zip](#)

[English](#)



Customer View Model

[ENG_CVM_CVM_ASA046N0085050A000_A.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[617 PLUG ASTA046NN0085050A000](#)

English

[ASA046N0085050A000](#)

English

[fuer Datenblaetter, die online konfigurierbar sind](#)

German

Product Specifications

German