

# AKUA047NN0085051A000 ✓ ACTIVE

TE Internal #: AKA047N0085051A000

Standard Circular Connectors, Cable-to-Cable, 12 Position, Signal, Cable Mount (Free-Hanging), Electrodeposited Nickel, Zinc Alloy, PBT GF

[View on TE.com >](#)



Connectors > Circular Connectors > Standard Circular Connectors



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

Number of Positions: **12**

Sealable: **No**

Circuit Application: **Signal**

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

## Features

### Product Type Features

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

### Configuration Features

Number of Positions	12
Number of Signal Positions	12

### Electrical Characteristics

Operating Voltage	32 VAC
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### Body Features

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)
Panel Mount Feature Type	Screw Mount
Connector Mounting Type	Cable Mount (Free-Hanging)

### 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

Operating Temperature Range	-20 – 130 °C [-4 – 266 °F]
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### Operation/Application

Durability Rating	500 Cycles
Circuit Application	Signal
Shielded	Yes

### Industry Standards

UL Flammability Rating	UL 94V-0
Approved Standards	UL

### 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 with Exemptions
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 2023 (235) Candidate List Declared Against: JUNE 2022 (224) SVHC > Threshold: Pb (3.5% in Component) <b>Article Safe Usage Statements:</b> 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	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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 # ASA046N0085050A000  
617 PLUG, SPEEDTEC

TE Part # C0-0101-000-000  
CRIMPING TOOL SMALL WITH POSITIONER

TE Part # C0-0235-000-000  
DIGITAL CRIMPING TOOL, SMALL

### Customers Also Bought



TE Part #5-1478763-3  
Metal backshell 25 way 45 Deg Entry-KIT



TE Part #60-0302-011-000  
CONTACT SOCKET 2 MM



TE Part #ASA013N00410235000  
623 PLUG



TE Part #ASA558N00610235000  
623 PLUG



TE Part #BKA199N00580200000  
923 EXTENSION, SPEEDTEC-READY

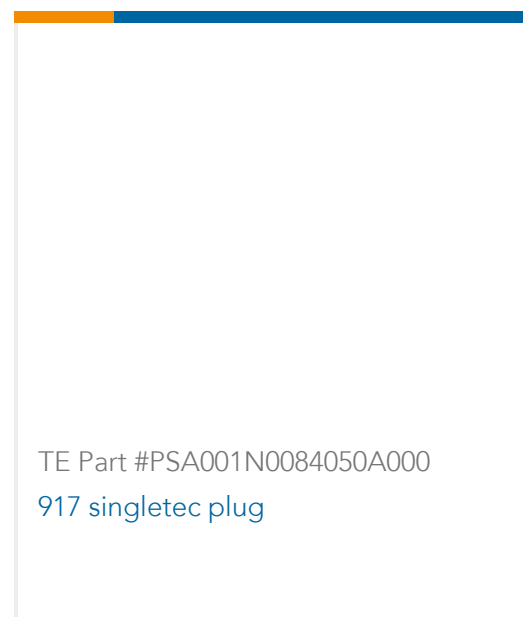


TE Part #BSA085N00480100000  
923 PLUG, SPEEDTEC



TE Part #ESB202N00330500000  
915 PLUG

TE Part #10-0755-002-000  
923 SINGLETEC A PLUG HOUSING



## Documents

### CAD Files

[3D PDF](#)

[3D](#)

**Customer View Model**

[ENG\\_CVM\\_CVM\\_AKA047N0085051A000\\_A.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_AKA047N0085051A000\\_A.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_AKA047N0085051A000\\_A.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Datasheets & Catalog Pages

[617 EXTENSION AKUA047NN0085051A000](#)

English

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

German

[AKA047N0085051A000](#)

English

### Product Specifications

German