



TE Internal #: AKA047N0085051A000
12 Position Circular Connector, Cable-to-Cable, Signal, Cable Mount (Free-Hanging), Electrodeposited Nickel, Zinc Alloy, PBT GF, 12 Signal Positions
[View on TE.com >](#)

Connectors > Circular Connectors > Standard Circular Connectors



Number of Positions: 12
Connector System: Cable-to-Cable
Sealable: No
Circuit Application: Signal
Connector Mounting Type: Cable Mount (Free-Hanging)

Features

Product Type Features

Connector 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 VDC
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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

Panel Mount Feature Type	Screw Mount
Mating Retention Type	Speedtec (Triple Start Threaded)
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
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: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) 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	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 # C0-0235-000-P00
DIGITAL CRIMPING TOOL, SMALL

TE Part # C0-0101-000-P00
CRIMPING TOOL SMALL WITH POSITIONER

TE Part # ASA046N0085050A000
617 PLUG, SPEEDTEC

Customers Also Bought

TE Part #ASA558N00610235000
623 PLUG

TE Part #BSA085N00550235000
923 PLUG

TE Part #BSA108N00590236000
923 PLUG, SHORT

TE Part #2-1318114-9
DYNAMIC D2100 TAB 20P P/M Y

TE Part #BKA199N00580200000
923 EXTENSION, SPEEDTEC-READY

TE Part #966066-2
FER,WIRE,PL SLV,.25/24,L8,LIGHT-BLUE,LP

TE Part #BSA085N00580235000
923 PLUG

TE Part #1-180908-0
FF 250 TAB HSG 2P NYLON NAT



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

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Datasheets & Catalog Pages

617 EXTENSION AKUA047NN0085051A000

English

AKA047N0085051A000

English

fuer Datenblaetter, die online konfigurierbar sind

German

Product Specifications

German