



Connectors > Circular Connectors > Standard Circular Connectors



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

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

Sealable: **No**

Circuit Application: **Power & Signal**

Shell Plating Material: **Electrodeposited Nickel**

Features

Product Type Features

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

Electrical Characteristics

Operating Voltage	630 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	Screw
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Connector Mounting Type	Cable Mount (Free-Hanging)
Housing Features	
Circular Connector Shell Size	23
Alignment Keyed	0°
Dimensions	
Cable Diameter Range	9.5 – 14.5 mm [.37 – .57 in]
Usage Conditions	
Operating Temperature Range	-20 – 130 °C [-4 – 266 °F]
Operation/Application	
Durability Rating	500 Cycles
Circuit Application	Power & 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: JAN 2024 (240) 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 # BGC091N00001200000 923 RECEPTACLE, ANGLED, ROTATABLE</p>	 <p>TE Part # BGC091N00001216000 923 RECEPTACLE, ANGLED, ROTATABLE</p>	 <p>TE Part # BEA090N00000222000 923 RECEPTACLE, SPEEDTEC-READY</p>	 <p>TE Part # BEA122N00000205000 923 RECEPTACLE, SPEEDTEC-READY</p>
 <p>TE Part # BEA144N00000200000 923 RECEPTACLE, SPEEDTEC-READY</p>	 <p>TE Part # BEA144N00000201000 923 RECEPTACLE, SPEEDTEC-READY</p>	 <p>TE Part # BFC091N00000220000 923 RECEPTACLE, ANGLED</p>	 <p>TE Part # BKA145N00420200000 923 EXTENSION, SPEEDTEC-READY</p>
 <p>TE Part # BKA145N00590200000 923 EXTENSION, SPEEDTEC-READY</p>	 <p>TE Part # C0-0003-000-000 POSITIONING INSERT FOR 1 MM CONTACTS</p>	 <p>TE Part # C0-0004-000-000 POSITIONING INSERT FOR 2 MM CONTACTS</p>	 <p>TE Part # 50-0042-000-P00 923 CABLE CLAMP, CROWN</p>
 <p>TE Part # C0-0236-000-P00 DIGITAL CRIMPING TOOL, MID SIZE</p>	 <p>TE Part # C0-0201-000-P00 CRIMPING TOOL MID-SIZE</p>	 <p>TE Part # C0-0235-000-P00 DIGITAL CRIMPING TOOL, SMALL</p>	 <p>TE Part # C0-0101-000-P00 CRIMPING TOOL SMALL WITH POSITIONER</p>

Customers Also Bought





TE Part #AKA000N00410200000
623 EXTENSION, SPEEDTEC-READY



TE Part #ASA000N00410235000
623 PLUG



TE Part #BKA145N00420200000
923 EXTENSION, SPEEDTEC-READY



TE Part #BSA078N00420235000
923 PLUG



TE Part #BSA085N00480235000
923 PLUG



TE Part #CKA267N00440051000
940 EXTENSION, SPEEDTEC-READY



TE Part #CSA265N00440001000
940 PLUG



TE Part #60-0001-011-P00
CONTACT SOCKET 1 MM



TE Part #61-0004-011-P00
CONTACT PIN 1 MM



TE Part #AGC139N00001200000
623 RECEPTACLE ANGLED
ROTATABLE

Documents

Product Drawings

923 PLUG

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_BSA082N00420235000_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_BSA082N00420235000_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_BSA082N00420235000_A.3d_stp.zip

English

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Datasheets & Catalog Pages



BSA082N00420235000

English

fuer Datenblaetter, die online konfigurierbar sind

German

Product Specifications

German