

BSTA085NN00420100000

✓ ACTIVE

TE Internal #: BSA085N00420100000

Cable-to-Cable, Circular Connector Plug, 6 Position, Shell Size 23, Power, Cable Mount (Free-Hanging), Electrodeposited Nickel, Zinc Alloy, PBT GF

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Connectors > Circular Connectors > Standard Circular Connectors



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

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

Number of Positions: **6**

Sealable: **No**

Circuit Application: **Power**

Features

Product Type Features

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

Configuration Features

Number of Positions	6
Number of Power Positions	6
Number of Signal Positions	0
Contacts Preloaded	No

Electrical Characteristics

Operating Voltage	630 VDC
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Body Features

Environmental Protection	IP67
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Environmental Protection Type	Sealed
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
Connector Mounting Type	Cable Mount (Free-Hanging)
Mating Retention	With

Housing Features

Circular Connector Shell Size	23
Alignment Keyed	0°

Dimensions

Cable Diameter Range	9.5 – 14.5 mm[.37 – .57 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	Power
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	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250)



Candidate List Declared Against: JAN 2025
(247)
SVHC > Threshold:
Pb (3.5% in Component)

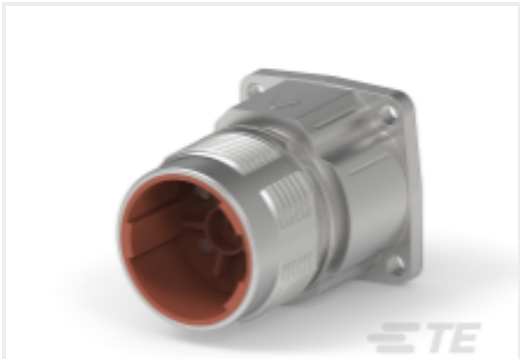
Article Safe Usage Statements:
Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

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>

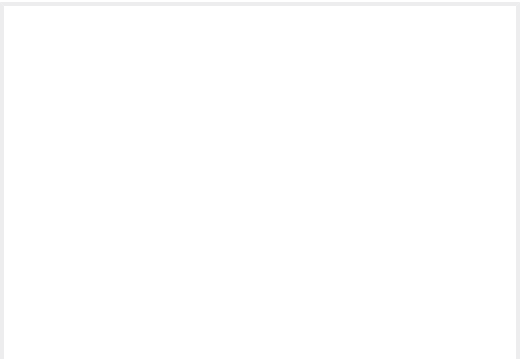
Compatible Parts



TE Part # BEA116N00000100000
923 RECEPTACLE, SPEEDTEC



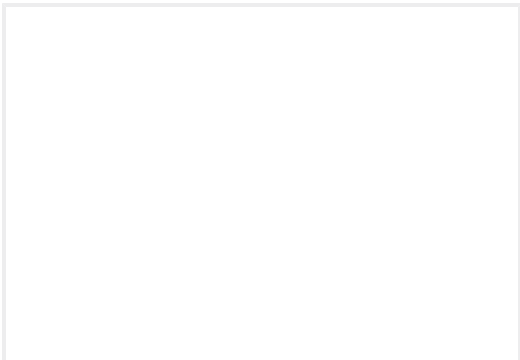
TE Part # BKA186N00420100000
923 EXTENSION, SPEEDTEC



TE Part # C0-0236-000-P00
DIGITAL CRIMPING TOOL, MID SIZE



TE Part # C0-0004-000-000
POSITIONING INSERT FOR 2 MM CONTACTS



TE Part # C0-0201-000-P00
CRIMPING TOOL MID-SIZE

Customers Also Bought





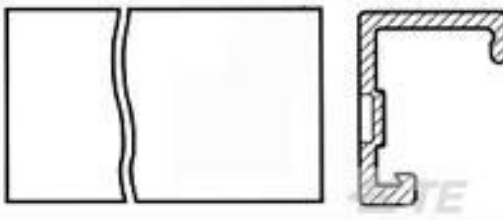
TE Part #61-0253-011-P00
CONTACT PIN 1 MM



TE Part #ASA035N00400100000
623 PLUG, SPEEDTEC



TE Part #AFC631N00000114000
623 RECEPTACLE, ANGLED



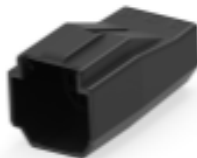
TE Part #1-640551-0
10P MTA156 COVER



TE Part #1-2366515-8
DYNAMIC D1000 SLIM REC HSG 8P X KEY



TE Part #3-2366515-2
DYNAMIC D1000 SLIM REC HSG 12P X KEY



TE Part #1-2366600-8
DYNAMIC D1000 SLIM TAB HSG 8P X KEY



TE Part #3-2366600-2
DYNAMIC D1000 SLIM TAB HSG 12P X KEY



TE Part #2367817-2
DYNAMIC D1000 SL REC CONT M SIZE Au0.2

TE Part #ASA158N00410100000
623 PLUG, SPEEDTEC

Documents

Product Drawings

923 PLUG, SPEEDTEC

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_BSA085N00420100000_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_BSA085N00420100000_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_BSA085N00420100000_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

BSTA085NN00420100000

Cable-to-Cable, Circular Connector Plug, 6 Position, Shell Size 23, Power, Cable Mount (Free-Hanging), Electrodeposited Nickel, Zinc Alloy, PBT GF



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

German

[BSA085N00420100000](#)

English

Product Specifications

German