

BSTA085NN00580235000

✓ ACTIVE

TE Internal #: BSA085N00580235000

Cable-to-Cable, Circular Connector Plug, 6 Position, Shell Size 23, Power, Cable Mount (Free-Hanging), Electrodeposited Nickel, Zinc Alloy, PA66

[View on TE.com >](#)



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 |
|-------------------|---------|

Body Features

|                          |      |
|--------------------------|------|
| Environmental Protection | IP67 |
|--------------------------|------|



|                                             |                         |
|---------------------------------------------|-------------------------|
| Environmental Protection Type               | Sealed                  |
| Shell Plating Material                      | Electrodeposited Nickel |
| Shell Base Material                         | Zinc Alloy              |
| Circular Connector Insulation Material Type | PA66                    |

Mechanical Attachment

|                         |                            |
|-------------------------|----------------------------|
| Mating Retention Type   | Screw                      |
| 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] |
|----------------------|-----------------------------|

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 part)

**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 |

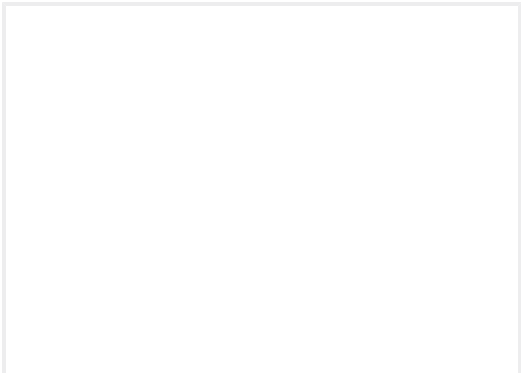
Product Compliance Disclaimer

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 # BKA186N00580200000  
923 EXTENSION, SPEEDTEC-READY



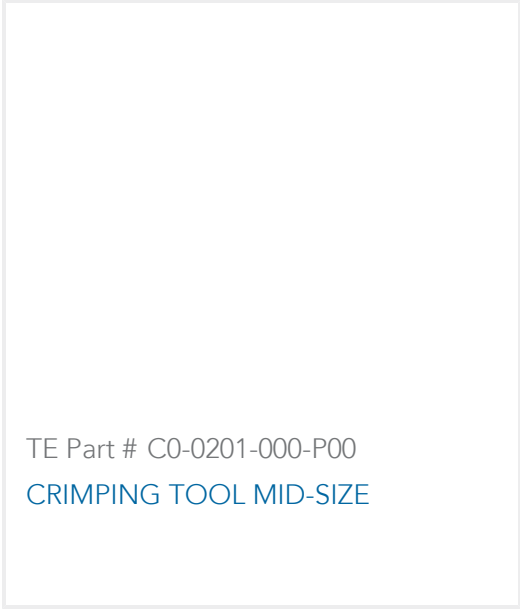
TE Part # C0-0236-000-P00  
DIGITAL CRIMPING TOOL, MID SIZE



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



TE Part # BEA116N00000200000  
923 RECEPTACLE, SPEEDTEC-READY



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

Customers Also Bought





TE Part #ASA000N00610235000  
623 PLUG



TE Part #DSA001N00740001000  
958 PLUG



TE Part #ASA021N00620235000  
623 PLUG



TE Part #BGC106N00001216000  
923 RECEPTACLE, ANGLED, ROTATABLE



TE Part #CSA263N00260001000  
940 PLUG



TE Part #ASA000N00620235000  
623 PLUG



TE Part #CSA264N00250001000  
940 PLUG



TE Part #BSA078N00580235000  
923 PLUG



TE Part #60-0254-011-P00  
CONTACT SOCKET 2 MM



TE Part #60-0011-011-P00  
CONTACT SOCKET 1 MM

Documents

Product Drawings

923 PLUG

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_BSA085N00580235000\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_BSA085N00580235000\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_BSA085N00580235000\_A.3d\_stp.zip

English

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

Datasheets & Catalog Pages

BSTA085NN00580235000

Cable-to-Cable, Circular Connector Plug, 6 Position, Shell Size 23, Power, Cable Mount (Free-Hanging), Electrodeposited Nickel, Zinc Alloy, PA66



fuer Datenblaetter, die online konfigurierbar sind

German

BSA085N00580235000

English

Product Specifications

German