



Connectors > Circular Connectors > Standard Circular Connectors



Product Type: **Connector**

Connector System: **Wire-to-Wire**

Number of Positions: **8**

Sealable: **Yes**

Shell Plating Material: **Black Zinc**

## Features

### Product Type Features

|                  |                      |
|------------------|----------------------|
| Assembly Type    | Electrical Connector |
| Product Type     | Connector            |
| Connector System | Wire-to-Wire         |
| Sealable         | Yes                  |
| Shell Size       | 16                   |
| Connector Style  | Plug                 |
| Shell Type       | Metal                |

### Configuration Features

|                             |                    |
|-----------------------------|--------------------|
| Factory Installed Backshell | No                 |
| Keying                      | Key Polarization N |
| Number of Positions         | 8                  |
| Preloaded                   | No                 |

### Body Features

|                               |                |
|-------------------------------|----------------|
| Environmental Protection      | With           |
| Environmental Protection Type | Sealed         |
| Entry Style                   | Rear Insertion |
| Feedthrough Type              | No             |
| Shell Plating Material        | Black Zinc     |
| Shell Material                | Aluminum Alloy |

|                     |                          |
|---------------------|--------------------------|
| Insulation Material | Hard Dielectric/Silicone |
| Hermetically Sealed | No                       |

### Contact Features

|                            |        |
|----------------------------|--------|
| Contact Quantity (Size 16) | 8      |
| Contact Layout Arrangement | 16 – 8 |
| Contact Type               | Socket |

### Mechanical Attachment

|                       |               |
|-----------------------|---------------|
| Mating Retention Type | Coupling Ring |
| Flange                | Without       |
| Mating Alignment      | With          |
| Polarization Code     | N             |
| Mating Alignment Type | Keyed         |
| Mating Retention      | With          |

### Dimensions

|                 |         |
|-----------------|---------|
| Assembly Length | 33.5 mm |
| Wire Size       | 16 AWG  |

### Usage Conditions

|                             |              |
|-----------------------------|--------------|
| Fluid Resistance            | Immersible   |
| IP Dust Sealing Level       | 6            |
| IP Water Sealing Level      | 7            |
| Operating Temperature Range | -55 – 175 °C |

### Operation/Application

|                   |            |
|-------------------|------------|
| Durability Rating | 500 Cycles |
|-------------------|------------|

### Other

|                   |     |
|-------------------|-----|
| Field Serviceable | Yes |
|-------------------|-----|

### 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: JUL 2019  
(201)  
Candidate List Declared Against: JAN 2019  
(197)  
Does not contain REACH SVHC

EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUL 2019  
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Candidate List Declared Against: JAN 2019  
(197)

Halogen Content

Not Yet Reviewed for halogen content

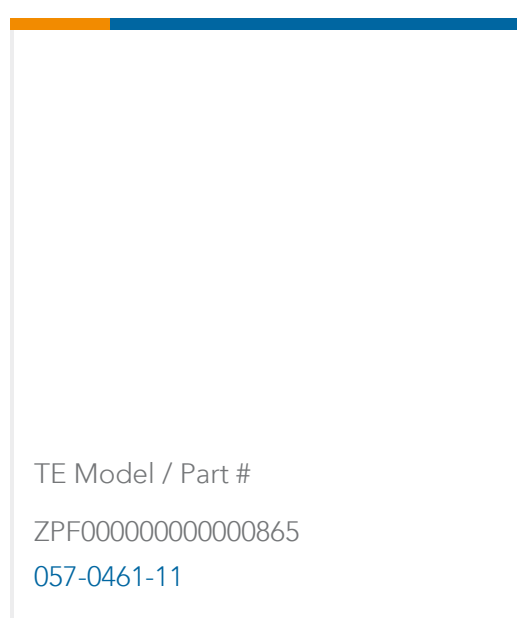
Solder Process Capability

Reflow solder capable to 245°C

#### 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

## Compatible Parts



Also in the Series | **DEUTSCH AS Standard**



Standard Circular Connectors(567)

## Customers Also Bought



TE Model / Part #AS022-55SA  
RECEPT. 2 HOLE MTN. TYPE 0



TE Model / Part #AS024-61SN  
RECEPT.2 HOLE MNT.TYPE 0



TE Model / Part #ASC105-06SN  
RECEPT.AS MODULAR. SKT.



TE Model / Part #ASC605-06PB  
PLUG.AS MODULAR.PIN.



TE Model / Part #ASC605-06PN  
PLUG.AS MODULAR.PIN.



TE Model / Part #ASU103-05PC-HE  
INLINE RECEPT ASSY ASU 5 WAY



TE Model / Part #919008-000  
ST63-4-55-24-90

## Documents

### Product Drawings

[PLUG BOOT TERMIN'N TYPE 6](#)

English

### Datasheets & Catalog Pages

[AS Micro Xtra Lite HE](#)

English