



TE Internal #: ESA002N00320001000

Standard Circular Connectors, Cable-to-Cable, 12 Position, Signal, Cable Mount (Free-Hanging), Electrodeposited Nickel, Zinc Alloy, PBT / PA

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Connectors > Circular Connectors > Standard Circular Connectors



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

Number of Positions: **12**

Sealable: **No**

Circuit Application: **Signal**

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

## Features

### Product Type Features

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

### Configuration Features

Number of Positions	12
Number of Signal Positions	12

### Electrical Characteristics

Operating Voltage	63 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 PA, PBT

**Contact Features**

Circular Connector Contact Type Socket

**Mechanical Attachment**

Mating Retention Type Push-Pull Self-Locking

Panel Mount Feature Type Twist & Lock Flange

Connector Mounting Type Cable Mount (Free-Hanging)

**Housing Features**

Circular Connector Shell Size 15

**Dimensions**

Cable Diameter Range 6.5 – 8.5 mm [.26 – .33 in]

**Usage Conditions**

Operating Temperature Range -20 – 130 °C [-4 – 266 °F]

**Operation/Application**

Durability Rating 500 Cycles

Circuit Application Signal

Shielded Yes

**Industry Standards**

UL Flammability Rating UL 94V-0

Approved Standards 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 2023 (235)  
 Candidate List Declared Against: JAN 2023 (233)  
 SVHC > Threshold:  
 Pb (3.5% in Component part)







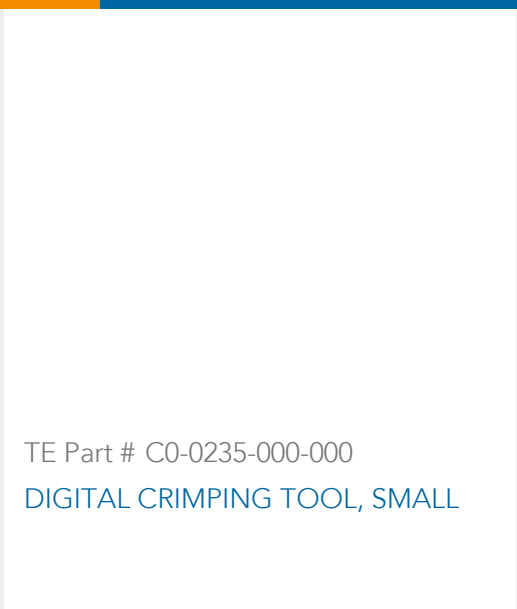

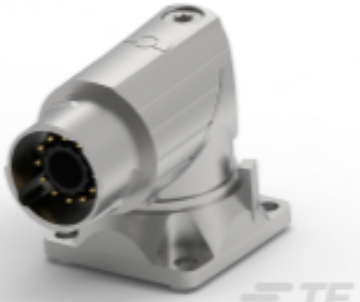
**Article Safe Usage Statements:**  
 Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content	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

 <p>TE Part # 60-0252-011-000 CONTACT SOCKET 1 MM</p>	 <p>TE Part # EGA001N00000600000 615 ITEC RECEPTACLE, ANGLED</p>	 <p>TE Part # EGA101N00000001000 615/915 YTEC RECEPTACLE, ANGLED</p>	 <p>TE Part # EGC101N00000006000 615/915 YTEC RECEPTACLE, ANGLED</p>
 <p>TE Part # EKA001N00320001000 615 EXTENSION</p>	 <p>TE Part # C0-0201-000-000 CRIMPING TOOL MID-SIZE</p>	 <p>TE Part # C0-0235-000-000 DIGITAL CRIMPING TOOL, SMALL</p>	 <p>TE Part # C0-0258-000-000 POSITIONING INSERT FOR 1 MM CONTACTS</p>
 <p>TE Part # EGA001N00000651000 615 itec receptacle angl rotatable 25x25</p>			

## Customers Also Bought



## Documents

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_ESA002N00320001000\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_ESA002N00320001000\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_ESA002N00320001000\\_A.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

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

German

[ESA002N00320001000](#)

English

ESTA002NN00320001000

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