



TE Internal #: ESA002N00310001000

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**

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

Number of Positions: **12**

Sealable: **No**

Circuit Application: **Signal**

Features

Product Type Features

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

Configuration Features

Number of Positions	12
Number of Power Positions	0
Number of Signal Positions	12
Contacts Preloaded	No

Electrical Characteristics

Operating Voltage	63 VAC
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Body Features

Environmental Protection Type	Sealed
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Environmental Protection	IP67
Shell Plating Material	Electrodeposited Nickel
Shell Base Material	Zinc Alloy
Circular Connector Insulation Material Type	PBT+PA

Mechanical Attachment

Mating Retention Type	Push-Pull Self-Locking
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)
Mating Retention	With

Housing Features

Circular Connector Shell Size	15
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Dimensions

Cable Diameter Range	4.5 - 6.5 mm [.18 - .26 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	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: JAN 2024 (240) Candidate List Declared Against: JUNE 2023 (235)



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




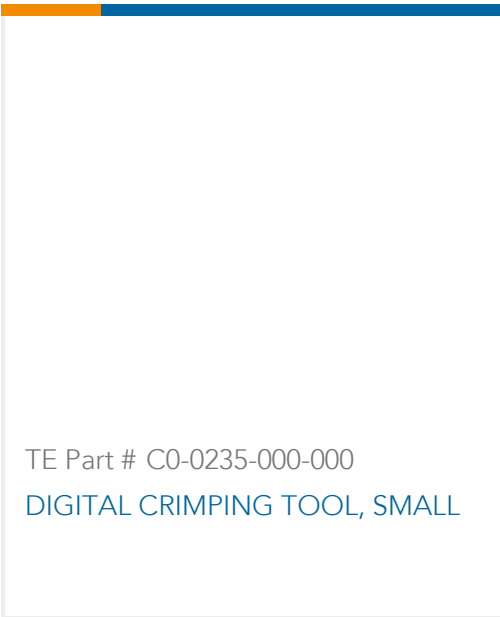

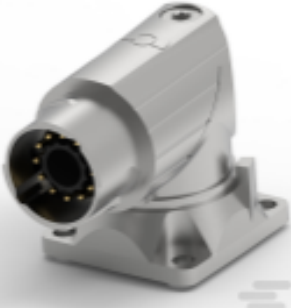

Solder Process Capability

Not reviewed for solder process capability

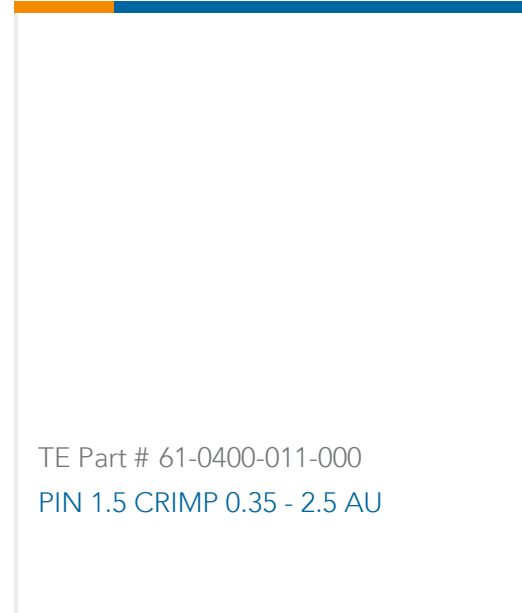
Product Compliance Disclaimer

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 # ESB001N00310001000 615 PLUG</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>	 <p>TE Part # EKA001N00310103000 615 EXTENSION</p>	

Customers Also Bought



Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_ESA002N00310001000_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_ESA002N00310001000_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_ESA002N00310001000_A.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[ESA002N00310001000](#)

English

fuer Datenblaetter, die online konfigurierbar sind

German

ESTA002NN00310001000

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