



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	PA, PBT

Mechanical Attachment

Mating Retention Type	Push-Pull Self-Locking
Mating Alignment	With
Panel Mount Feature Type	Twist & Lock Flange
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	6.5 – 8.5 mm[.26 – .33 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: JUNE 2024 (241)



Candidate List Declared Against: JAN 2024  
(240)  
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	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

 TE Part # EGA001N0000060000 615 ITEC RECEPTACLE, ANGLED	 TE Part # EGA101N00000001000 615/915 YTEC RECEPTACLE, ANGLED	 TE Part # EGC101N00000006000 615/915 YTEC RECEPTACLE, ANGLED	 TE Part # EKA001N00320001000 615 EXTENSION
 TE Part # 60-0252-011-P00 CONTACT SOCKET 1 MM	 TE Part # C0-0258-000-000 POSITIONING INSERT FOR 1 MM CONTACTS	 TE Part # EGA001N00000651000 615 itec receptacle angl rotatable 25x25	 TE Part # C0-0235-000-P00 DIGITAL CRIMPING TOOL, SMALL



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

Customers Also Bought

TE Part #BSA078N00480100000  
923 PLUG, SPEEDTEC

TE Part #BSA108F26420236000  
923 PLUG, SHORT

TE Part #ESA202N00330500000  
915 PLUG

TE Part #ESA202N00340500000  
915 PLUG

TE Part #HSA202N00420100000  
723 HTEC PLUG, SPEEDTEC

TE Part #11-0468-002-000  
623 EXTENSION HOUSING IG3

TE Part #C5-0002-000-000  
ASSEMBLY TOOL FOR 1 MM CONTACT PINS

TE Part #ESA202N00320500000  
915 PLUG

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

ESA002N00320001000

English



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

German