



TE Internal #: ESB002N00320001000

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

[View on TE.com >](#)

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
-------------------	--------

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	Not Yet Reviewed
-----------------------------	------------------

China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
---	--------------------------------------

EU REACH Regulation (EC) No. 1907/2006	<p>Current ECHA Candidate List: JUNE 2023 (235)</p> <p>Candidate List Declared Against: JUNE 2022 (224)</p> <p>SVHC > Threshold:</p> <p>Pb (3.5% in Component part)</p>
--	--

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 # 60-0252-011-000
CONTACT SOCKET 1 MM



TE Part # EEA001N00000001000
615 ITEC RECEPTACLE

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

TE Part # C0-0235-000-000
DIGITAL CRIMPING TOOL, SMALL



TE Part # C0-0258-000-000
POSITIONING INSERT FOR 1 MM CONTACTS



TE Part # EGA001N00000651000
615 itec receptacle angl rotatable 25x25

Customers Also Bought



TE Part #60-0252-011-000
CONTACT SOCKET 1 MM



TE Part #ASA001N00480650000
623 PLUG



TE Part #ASA792N0085050A000
617 PLUG, SPEEDTEC



TE Part #BKA186N00580200000
923 EXTENSION, SPEEDTEC-READY



Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_ESB002N00320001000_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_ESB002N00320001000_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_ESB002N00320001000_A.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[ESB002N00320001000](#)

English

fuer Datenblaetter, die online konfigurierbar sind

German