



TE Internal #: AEA175N00000201000

12 Position Circular Connector, Cable-to-Panel, Signal, Panel Mount, Electrodeposited Nickel, Zinc Alloy, PBT GF, 12 Signal Positions, 23 Shell Size

[View on TE.com >](#)

Connectors > Circular Connectors > Standard Circular Connectors



Number of Positions: 12

Connector System: Cable-to-Panel

Sealable: No

Circuit Application: Signal

Connector Mounting Type: Panel Mount

Features

Product Type Features

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

Configuration Features

|                            |    |
|----------------------------|----|
| Number of Positions        | 12 |
| Number of Signal Positions | 12 |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 160 VDC |
|-------------------|---------|

Body Features

|                          |                         |
|--------------------------|-------------------------|
| Environmental Protection | IP67                    |
| Shell Plating Material   | Electrodeposited Nickel |
| Shell Base Material      | Zinc Alloy              |



|   |        |
|---|--------|
| Circular Connector Insulation Material Type | PBT GF |
|---|--------|

Mechanical Attachment

|                          |                            |
|--------------------------|----------------------------|
| Panel Mount Feature Type | Flange with Mounting Holes |
| Mating Retention Type    | Screw                      |
| Connector Mounting Type  | Panel Mount                |

Housing Features

|                               |    |
|-------------------------------|----|
| Circular Connector Shell Size | 23 |
| Alignment Keyed               | 0° |

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 |
| 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  |
| EU ELV Directive 2000/53/EC                   | Compliant  |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold  |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JAN 2025 (247)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| 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 # C0-0101-000-P00  
CRIMPING TOOL SMALL WITH POSITIONER

TE Part # ASA012N00400235000  
623 PLUG

TE Part # ASA012N00410235000  
623 PLUG

Customers Also Bought

TE Part #60-0225-011-000  
CONTACT SOCKET 3,6 MM

TE Part #ASA000N00410100000  
623 PLUG, SPEEDTEC

TE Part #AEA139N00000201000  
623 RECEPTACLE, SPEEDTEC-READY

TE Part #T4112411051-000  
M12 F, 5P GOLD B\_CODE RA SHIELDED PG7

TE Part #BKA186N00420200000  
923 EXTENSION, SPEEDTEC-READY

TE Part #T4113512041-000  
M12 M, 4P GOLD D\_CODE RA SHIELDED PG9

TE Part #T4111411021-000  
M12 M, 2P GOLD B\_CODE S SHIELDED PG7

TE Part #CUA480N00440050000  
940 PLUG, ANGLED

TE Part #AUA014F01420100000  
623 plug, angled, speedtec

Documents



CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_AEA175N00000201000\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_AEA175N00000201000\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_AEA175N00000201000\_A.3d\_stp.zip

English

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Datasheets & Catalog Pages

AEA175N00000201000

English

fuer Datenblaetter, die online konfigurierbar sind

German