



Nanonics

TE Internal #: 1589691-3

Standard Circular Connectors, Wire-to-Wire, 7 Position, Sealable, Wire & Cable, Signal, Cable Mount (Free-Hanging), Electroless Nickel, Aluminum

[View on TE.com >](#)

Connectors > Circular Connectors > Standard Circular Connectors > NANONICS 7 Pin Circular Connector: Plug, Quick Disconnect



Number of Positions: 7

Connector System: **Wire-to-Wire**

Sealable: **Yes**

Connector & Contact Terminates To: **Wire & Cable**

Contact Current Rating (Max): **1 A**

[All NANONICS 7 Pin Circular Connector: Plug, Quick Disconnect \(8\)](#)

Features

Packaging Features

|                    |   |
|--------------------|---|
| Packaging Quantity | 1 |
|--------------------|---|

Usage Conditions

|                             |              |
|-----------------------------|--------------|
| IP Water Sealing Level      | IP68         |
| Operating Temperature Range | -67 – 392 °C |

Dimensions

|                 |                      |
|-----------------|----------------------|
| Assembly Length | 927.74 mm[36.525 in] |
| Wire Size       | 30 AWG               |

Body Features

|   |                              |
|---|------------------------------|
| O-Ring Material                             | Fluorosilicone               |
| Shell Plating Material                      | Electroless Nickel           |
| Shell Base Material                         | Aluminum                     |
| Circular Connector Insulation Material Type | LCP (Liquid Crystal Polymer) |
| Hermetically Sealed                         | Yes                          |

Mechanical Attachment

|                         |                            |
|-------------------------|----------------------------|
| Mating Retention Type   | Push-Pull Quick Disconnect |
| Connector Mounting Type | Cable Mount (Free-Hanging) |



|                  |      |
|------------------|------|
| Mating Retention | With |
|------------------|------|

### Product Type Features

|                                   |              |
|-----------------------------------|--------------|
| Circular Connector Shell Type     | Metal-Shell  |
| Connector System                  | Wire-to-Wire |
| Sealable                          | Yes          |
| Connector & Contact Terminates To | Wire & Cable |
| Circular Connector Type           | Plug         |
| Shell Type                        | Metal        |

### Configuration Features

|                             |      |
|-----------------------------|------|
| Factory Installed Backshell | With |
| Number of Positions         | 7    |
| Contacts Preloaded          | Yes  |

### Contact Features

|                                 |     |
|---------------------------------|-----|
| Contact Current Rating (Max)    | 1 A |
| Circular Connector Contact Type | Pin |

### Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

### Other

|                    |           |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance  | Compliant |

### 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: JUNE 2024 (241)<br>Candidate List Declared Against: JAN 2024 (240)<br>Does not contain REACH SVHC |
| Halogen Content                               | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.   |
| Solder Process Capability                     | Wave solder capable to 265°C   |

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

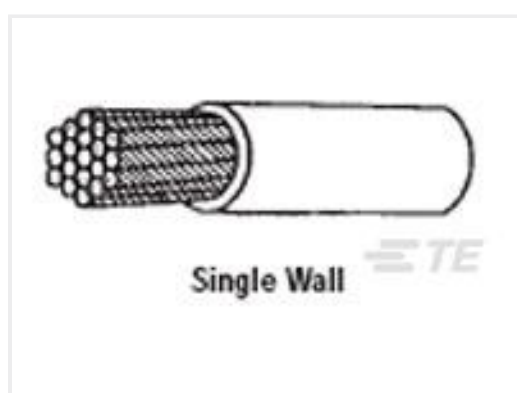


### Customers Also Bought





TE Part #YDTS24T25-61PCV001  
RECP ASSY



TE Part #306775-000  
82A0111-28-4

## Documents

### Product Drawings

[QCM007PC2DC036B = CIRCULAR](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1589691-3\\_E.2d\\_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1589691-3\\_E.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1589691-3\\_E.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

[1589691 Nanonics Cross Reference](#)

English