# CX090PC2RG018Q ✔ ACTIVE

Nanonics

TE Internal #: 6-1589070-2

Nanominiature Connector, Plug, 50 ohm, RG 178 Compatible With RF Cable Type, Screw, 60 – 1 GHz, Wire-to-Board, 9 Position, Wire & Cable, Board Mount

View on TE.com >

Connectors > RF Connectors > Coax Connectors > NANONICS Connectors: Coaxial Cable, Plug Assembly, 50 Ohm



RF Interface: **Nanominiature**

RF Connector Style: **Plug**

Impedance: **50 Ω**

Compatible With RF Cable Type: **RG 178**

RF Connector Coupling Mechanism: **Screw**

All NANONICS Connectors: Coaxial Cable, Plug Assembly, 50 Ohm (7)

## Features

### Product Type Features

| | |
|---|---|
| RF Interface | Nanominiature |
| RF Connector Style | Plug |
| Compatible With RF Cable Type | RG 178 |
| Connector System | Wire-to-Board |
| Connector & Contact Terminates To | Wire & Cable |

### Configuration Features

| | |
|---|---|
| PCB Mount Orientation | Horizontal |
| Number of Positions | 9 |
| Number of Coaxial Contacts | 9 |

### Electrical Characteristics

| | |
|---|---|
| Impedance | 50 Ω |

### Body Features

| | |
|---|---|
| Body Material | Aluminum |
| Body Plating Material | Electroless Nickel |

### Contact Features

| | |
|---|---|
| RF Connector Center Contact Plating Material | Gold (Au) |

### Termination Features

| | |
|---|---|
| Termination Method to PCB | Surface Mount |
| Termination Method to Wire & Cable | Solder |

### Mechanical Attachment

| | |
|---|---|
| RF Connector Coupling Mechanism | Screw |
| Connector Mounting Type | Board Mount |
| RF Contact Captivation Method | Solder |

### Housing Features

| | |
|---|---|
| Body Orientation | Right Angle |

### Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -55 – 125 °C[-67 – 257 °F] |

### Operation/Application

| | |
|---|---|
| Operating Frequency Range | 60 – 1 GHz |

### Other

| | |
|---|---|
| Dielectric Material | Polytetrafluoroethylene (PTFE) |

## 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 | 有害物质含量超出标准 Restricted Substance(s) Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>SVHC > Threshold:<br>Pb (30% in Component)<br>**Article Safe Usage Statements:**<br>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 Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free |
| Solder Process Capability | Not lead free process capable |

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

## Compatible Parts

TE Part # 1589080-1
321-0001 = CONTACTS

## Customers Also Bought



TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #DT06-2S
PLG, 2P, GRY, N



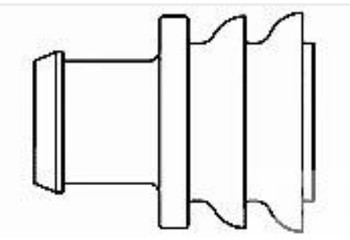
TE Part #CAT-D48-ST273
DEUTSCH Connector Solid Contacts



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #206070-8
CABLE CLAMP KIT #17



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING

## Documents

### Product Drawings

CX090PC2RG018Q = Coax

English

## Datasheets & Catalog Pages

1589070 Nanonics Cross Reference

English