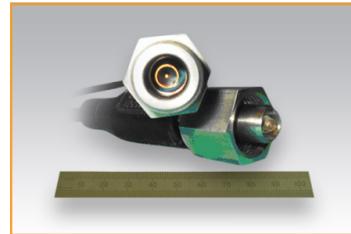


# SEACON 50 Ohm Coax Connectors



## KEY FEATURES

- High pressure rating
- Excellent electrical properties
- Dual sealing on connection
- Small size & weight
- No keying
- Rugged design & construction
- Dry mateable
- Glass sealed bulkhead
- Excellent environmental compatibility

## Description

The 50 ohm coax connector is a small dry mateable coax connector with impedance of 50 ohms. The connector is mated together via a robust stainless steel locking sleeve and sealed by a piston & face o-ring seal. The bulkhead connector has a gold plated pin and sleeve glass sealed into the stainless steel body. The coax cable on the free half connector is molded to the connector shell and the cable in Polyurethane.

## DESIGN SPECIFICATION

- **Hydrostatic Pressure:** 690 bar (10,000 psig) mated
- **Temperature Rating:** -55 to 125°C (-67 to 257°F)
- **Durability:** 500 mating cycles
- **Environmental Compatibility:** Compatible in seawater. Contact TE for further details
- **Voltage Standing Wave Ratio (VSWR):** 1.3 to 1.0 at 1GHz max
- **Character Impedance:** 50 ohms Insulation
- **Resistance:** 5 Gohms at 500 VDC
- **Dielectric Withstanding Voltage:** 1,000 V RMS for 1 minute
- **Contact Resistance:** 2 Mohms at 1 Ampere
- **Low Level Conductivity:** 10 mV DC min

## MATERIALS

- **Connector Body:** 316 Stainless Steel
- **Pin & Coax Cylinder:** Gold plated
- **Bulkhead Seal:** Glass
- **Isolator Bushes:** TFE insulated wire
- **Cable Overmold:** Polyurethane

## TE Components . . . TE Technology . . . TE Know-how . . .

AMP | AGASTAT | CII | HARTMAN | KILOVAC | MICRODOT | NANONICS | POLAMCO | Raychem

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## LET'S CONNECT

We make it easy to connect with our experts and are ready to provide all the support you need. Just call your local support number or visit [www.te.com/industrial](http://www.te.com/industrial) to chat with a Product Information Specialist.

## Technical Support

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### US Inside Sales:

Phone: +1 619-562-7071  
Email: [elcajonsales@te.com](mailto:elcajonsales@te.com)

Phone: +1 979-865-8846  
Email: [bellvillesales@te.com](mailto:bellvillesales@te.com)

Phone: +1 401-637-4952  
Email: [eastcoastsales@te.com](mailto:eastcoastsales@te.com)

### UK Inside Sales:

Phone: +44 (0) 1493-652733  
Email: [gtymouthsales@te.com](mailto:gtymouthsales@te.com)

### France Inside Sales:

Phone: +33 2 43 61 45 45  
Email: [offshore-ckb@te.com](mailto:offshore-ckb@te.com)

### Brazil Inside Sales:

Phone: +55 21 3592-0920  
Email: [simone.carvalho@te.com](mailto:simone.carvalho@te.com)

North America +1 800 522 6752  
North America (Toll) +1 717 986 7777  
EMEA/South Africa +800 0440 5100  
EMEA (Toll) +31 73 624 6999  
India (Toll-Free) +800 440 5100

Asia Pacific +86 400 820 6015  
Japan +81 044 844 8180  
Australia +61 2 9554 2695  
New Zealand +64 (0) 9 634 4580

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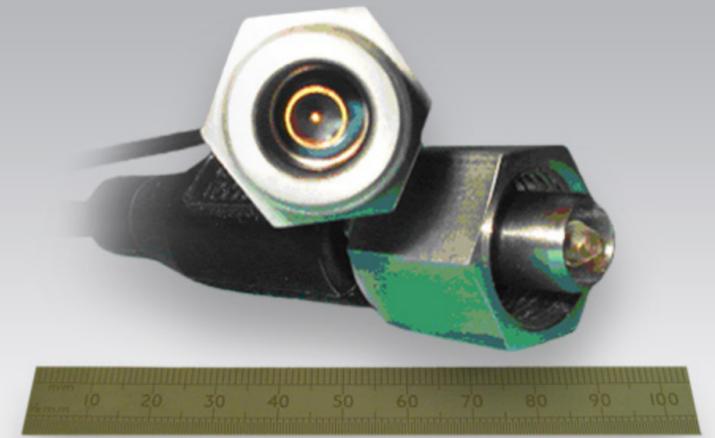
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Consult TE for the latest dimensions and design specifications.

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# SEACON 50 Ohm Coax Connectors



50 Ohm Connectors

Ordering Information

Family Designator

50 Ohm Connectors

Boot Style

- N Non-Molded
- S Straight
- R Right Angle (90°)
- Z Right Angle (90°) Short

Cable Type

- 0 No cable
- 1 CN-4
- 2 Belden 80003
- 3 RG58
- 4 IW-1603-PU30
- 5 LMR-195
- 6 RG174

J2/P1 Connector

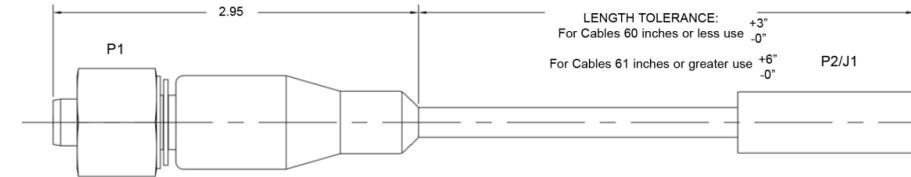
- 0 No Connector
- 1 SMA-Male
- 2 TNC-Male
- 3 BNC-Male
- 4 CX50P (Right Angle)
- 5 CX50P (Straight)
- 6 CX50R
- 7 CX50Z (90°, Short)

Cable Length (Inches)

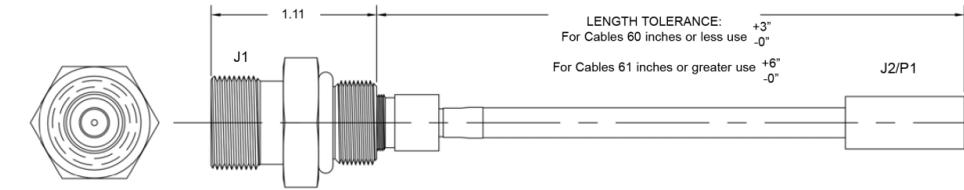
CX50P/R - X - X - X - XXXX



CX50P



CX50R



Mounting Information  
CX50R

