

50 OHM COAX CONNECTOR



50 ohm Coax Connector

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.

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
- Good environmental compatibility



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DESIGN SPECIFICATION

- Hydrostatic Pressure: 690 barg (10,000 psig) mated
- Temperature Rating: -55 to 125°C (-67 to 257°F)
- Durability: 500 mating cycles
- Environmental compatibility: Compatible in seawater & certain oils (consult SCP for information)
- 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: Teflon® (Registered trademark for DuPont)
- Cable overmold: Polyurethane

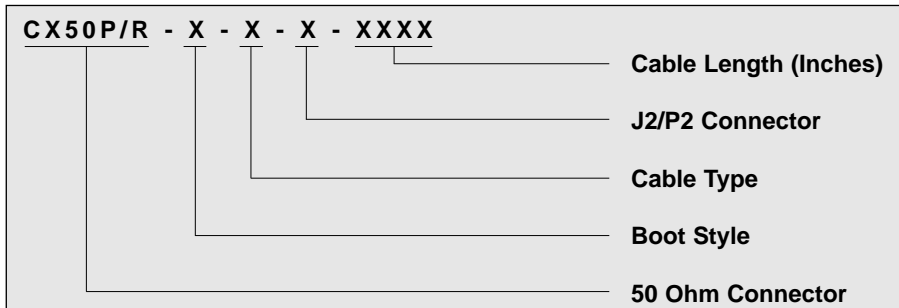
CONFIGURATION

- See Page 3

INTERFACE DATA

- For customer specific requirements and specific interface detail contact SEACON Phoenix

PART NUMBER SYSTEM



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

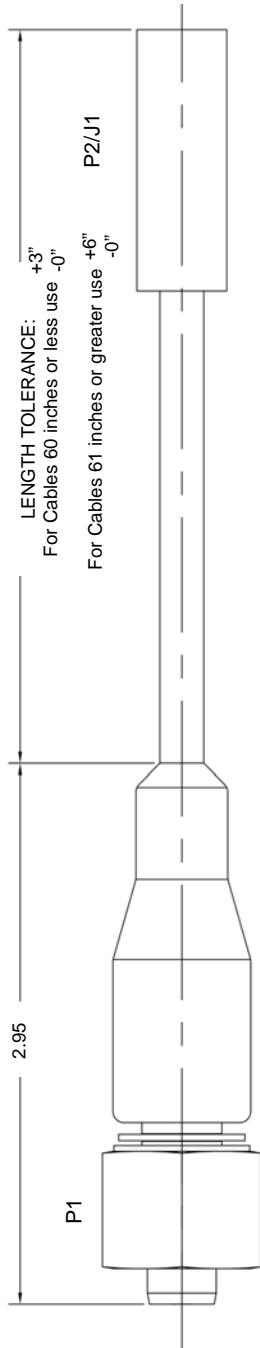
J2/P1 Connector
0 - No Connector
1 - SMA-Male
2 - TNC-Male
3 - BNC-Male
4 - CX50P (Right Angle)
5 - CX50P (Straight)
6 - CX50R
7 - CX50Z (90°, Short)

QUALITY

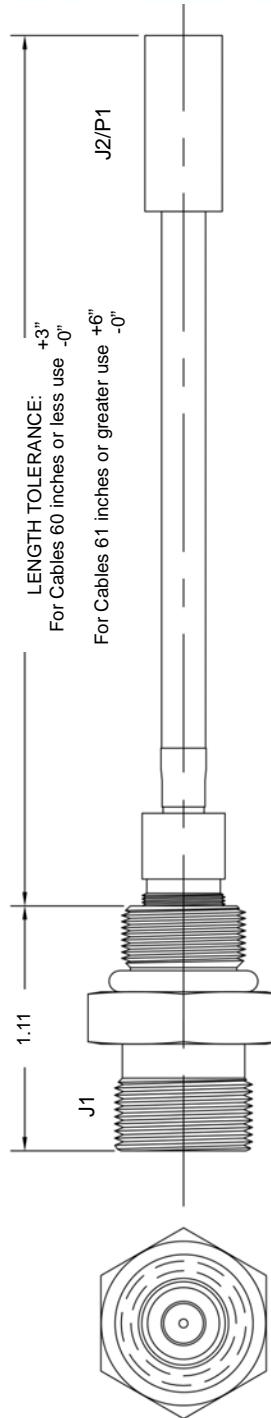
- SEACON Phoenix operate a Quality Management System accredited to ISO 9001.



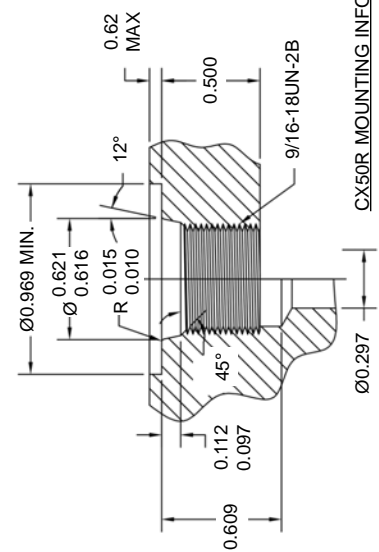
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CX50P

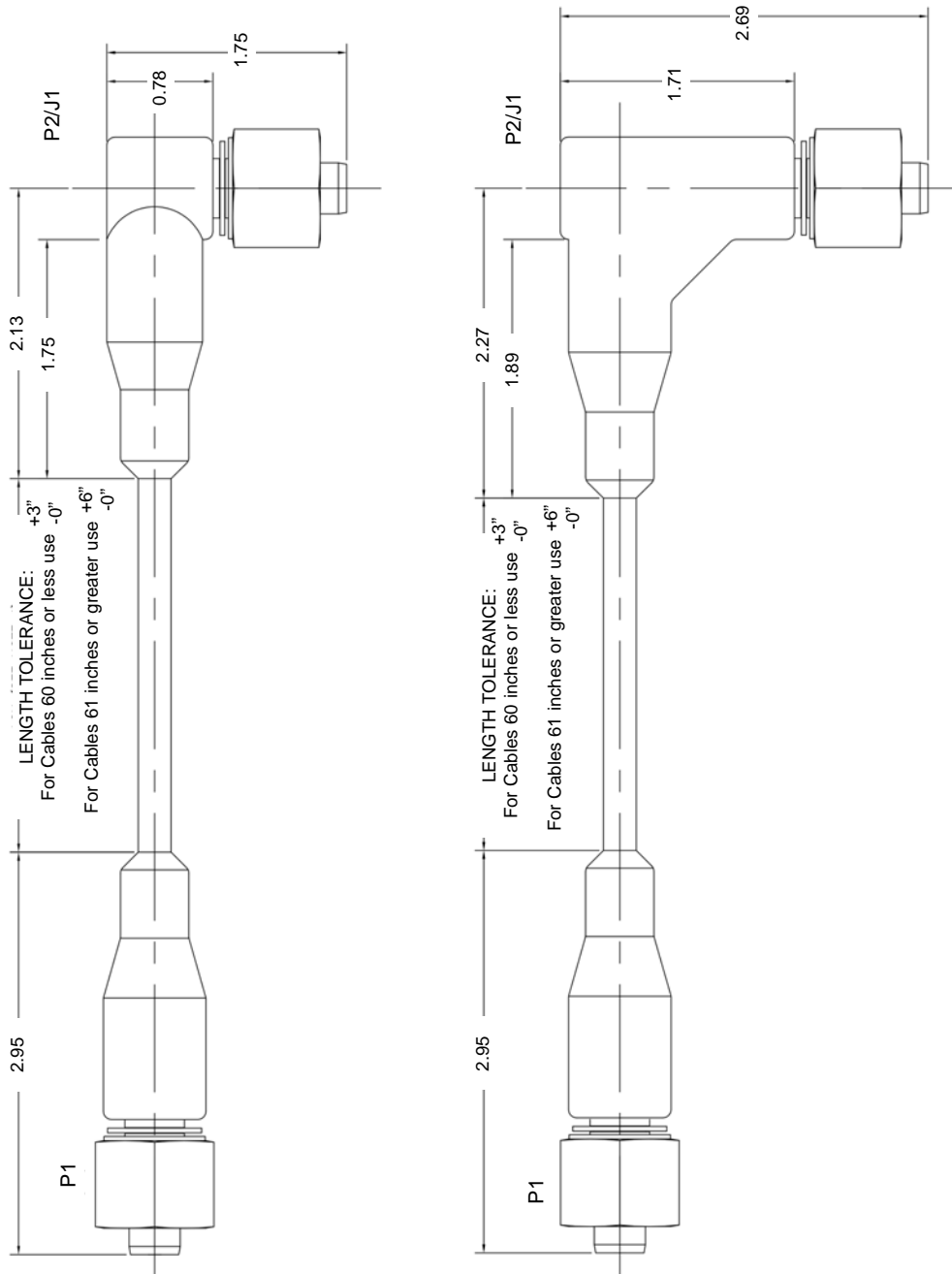


CX50R





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