

12GHz Micro BNC Coaxial Connectors

Dual Port Micro BNC Connector for PCI Express® Environments

Part Number C-SX-172

General Description

The design of this low profile dual port connector allows an enhanced packing density of connections on a standard PCI card. This is made possible by combining the small format of the Micro BNC style Connectors with a diagonal mounting format.

The C-SX-172 is a low profile 12GHz 75Ω dual Micro BNC Connector that is optimised for high speed high definition video applications such as 12G SDI Broadcast and CoaXPress Machine Vision.



Electrical Specification

Impedance: 75Ω
 Frequency Range: 0-12GHz
 Working Voltage: 170Vrms
 Dielectric Withstanding Voltage: 500Vrms
 Reflection Factor (VSWR): 1.1^(max) DC - 12GHz
 Contact Resistance: Centre contact 5.0mΩ
 Outer contact 2.5mΩ
 Insulation Resistance: >1000MΩ
 Connector Type: Female

Materials

Centre Pin: BeCu / 10 μ" Au
 Metal Parts: Brass/ Au
 Zinc Alloy
 PTFE

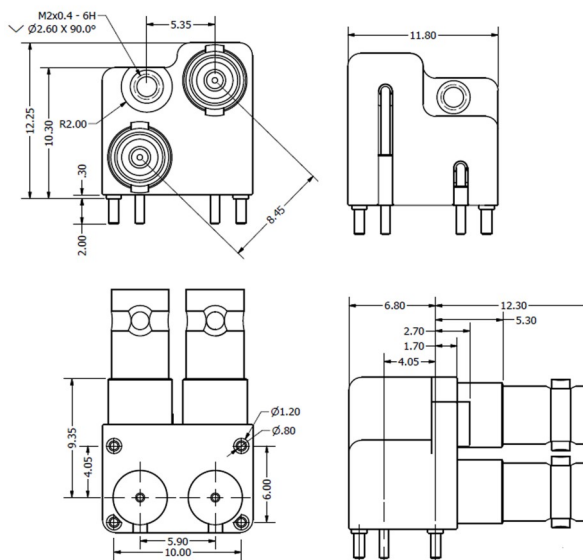
Insulators:

Environmental

Temp Range: -65 to +85°C
 Mating Cycles: 250
 Processing Maximum wave and hand soldering temperature 245°C

Features

- Provides low profile connector array for PCI Express® systems
- Meets SMPTE 424M Standard
- Standard bayonet latching system
- Compatible with standard Micro BNC connectors



12GSDI

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