

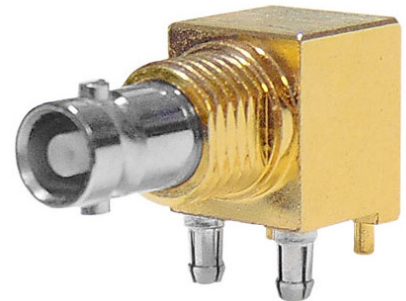
General Description

With a light weight construction this 12 GHz surface mount Micro BNC Coaxial Connector is specifically designed to aid automated placement techniques universally adopted in volume production processes. This Right Angle Surface Mounting Micro BNC connector from Cambridge Electronic Industries facilitates transmission rates over a single channel of up to 12 Gbits/s and complies to both the 4K/Quad HD and Ultra HD broadcast standards as well as the J11A CXP-12 CoaXPress specification. The XPS-12-RB16-GNHP is designed for PCB thickness of 1.6mm.

This connector is available as:

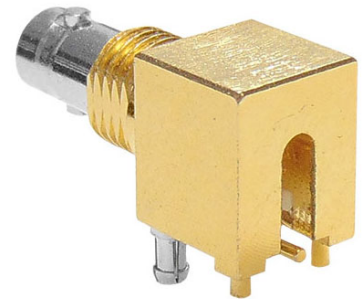
XPS-12-RB16-GNHP - connector only

XPS-12-RB16-GNHP-AZ - supplied with 2 x 2 slot circular nut



Electrical

Impedance	75Ω
Frequency Range	0-12GHz
Working Voltage	170Vrms
Reflection Factor (VSWR)	1.23 (max) 0-6GHz 1.82 (max) 6-12GHz
Dielectric Withstanding Voltage	500Vrms
Insulation Resistance	≥1000MΩ
Contact Resistance	Centre Contact ≤ 5.0mΩ Outer Contact ≤ 2.5mΩ

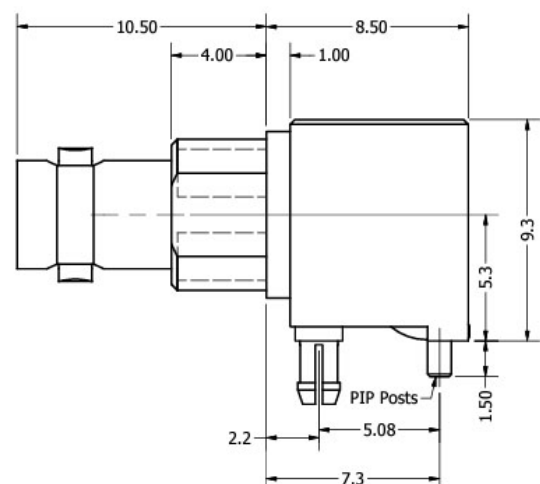
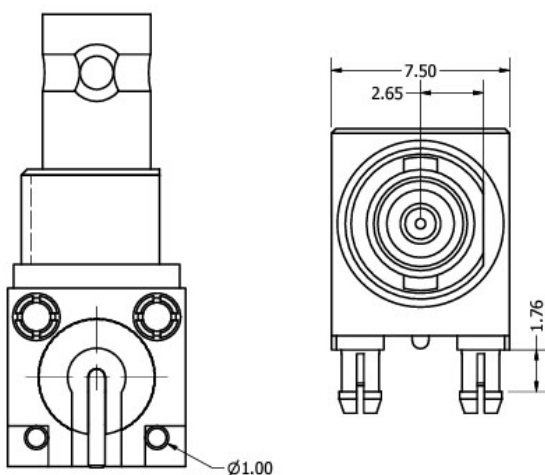


Materials

Centre Pin	BeCu / 10 μ" Au
Metal Parts	Brass/Au/Ni
Insulators	PTFE

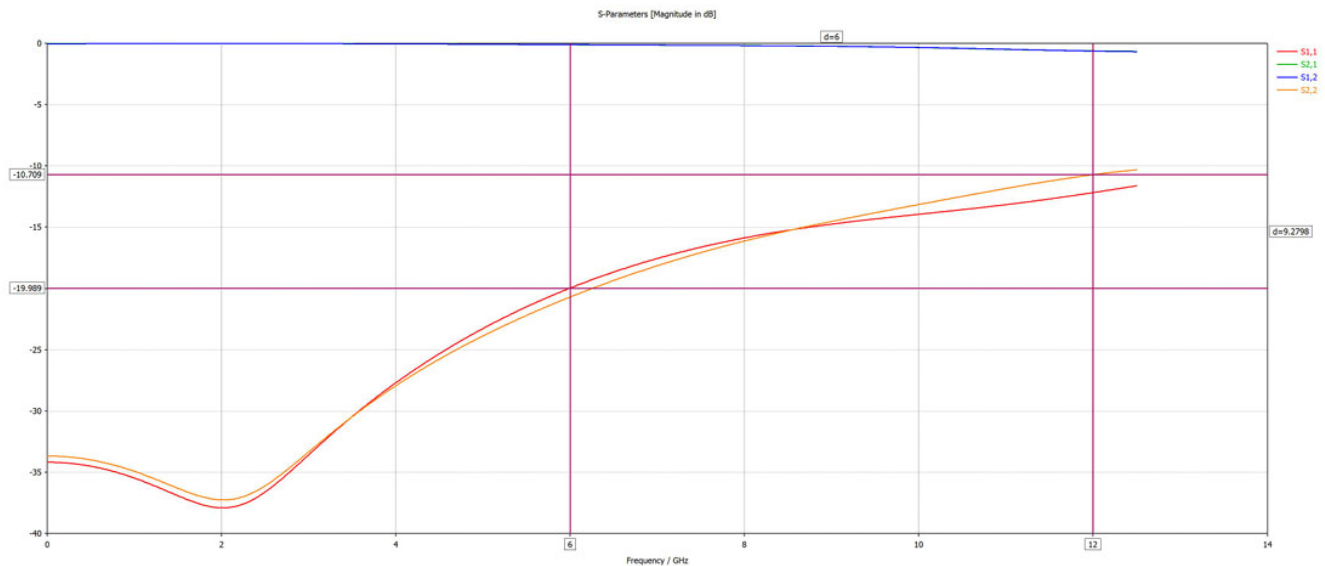
Environmental

Connector Type	Micro BNC Female
Temp Range	-65 to +85°C
Mating Cycles	500



Return Loss Graph

Connector & PCB



PCB Layout

