

# 12GHz Micro BNC Coaxial Connectors

## PCB Edge Mounting Micro BNC Bulkhead Socket

### Part Number C-SX-155

#### General Description

Our range of 12GHz Precision BNC coaxial connectors are optimised for 4K/Quad HD and Ultra HD Broadcast applications and have been developed under the CoaxVision™ Brand name, while meeting the J11A CoaXPress specification. These high performance connectors allow you to achieve a 12GHz channel in one single connection. The BNC connectors are mateable with any standard BNC connector, but to achieve optimum performance we recommend using Cambridge Connectors 12GHz CoaxVision™ BNC Connectors in both halves. The C-SX-155 connector is a PCB edge mounting Micro BNC bulkhead socket for PCB thicknesses of 2.0mm and is supplied with nut and washer.



#### Electrical Specification

Impedance:	75Ω
Frequency Range:	0-12GHz
Working Voltage:	170Vrms
Dielectric Withstanding Voltage:	500Vrms
Reflection Factor (VSWR):	1.05 <sup>(max)</sup> DC - 6.0GHz 1.09 <sup>(max)</sup> 6.0 - 12GHz
Contact Resistance:	Centre contact 5.0mΩ Outer contact 2.5mΩ
Insulation Resistance:	>1000M Ω
Connector Type:	Female

#### Materials

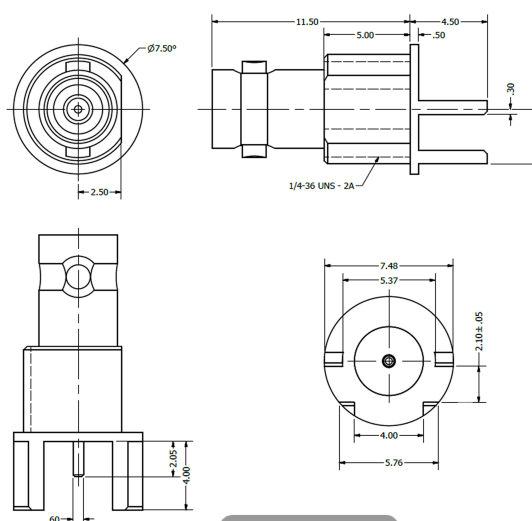
Centre Pin:	BeCu/10 μ" Au
Metal Parts:	Brass/Au
Insulators:	PTFE

#### Environmental

Temp Range:	-65 to +85°C
Mating Cycles:	500
Processing	
Maximum hand soldering temperature	265°C

#### Features

- Precision 12GHz 75 Ω Micro BNC Connector
- Optimised for 4K/Quad HD and Ultra HD Broadcast Applications
- One single connection for each 12GHz Channel
- Precision 75 Ω Micro BNC patch leads also available



**12GSDI** CoaxVision™

