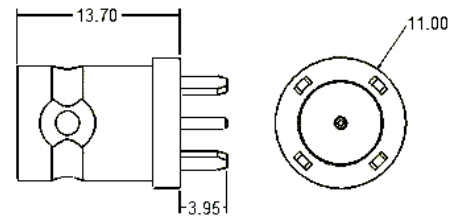


**Real 75 Ohm BNC connectors for HDTV Broadcast Applications  
Top Entry PCB Mounting Press Fit Hybrid**

**Features**

- Real 75 Ohm BNC Connector
- Designed for HD SDV applications
- Hybrid design combines advantages of press fit and solder
- Press fit techniques offer unequalled manufacturing economies
- Solder centre contact ensures Real 75 ohm performance
- RoHS Compliant



**Press fit manufacturing techniques** allow large numbers of connectors to be pressed simultaneously into a PCB to form a secure electrical and physical bond. This offers considerable economies over traditional solder methods. To exploit the advantages of press fit production methods in HD SDV applications Cambridge Connectors has, using radical internal geometry and specialised materials, developed a hybrid BNC product. This unique Real 75 ohm BNC connector can be pressed into the PCB in one operation to secure the outer contacts; a further solder operation then provides the Real 75 ohm bond with the centre contact.

**General Description**

Straight PCB mounting Real 75 ohm female press fit BNC connector.

**Applications**

It is specifically designed for the broadcast industry for use in HDTV, Serial Video applications where accurate 75 ohm connectivity is necessary and where press fit manufacturing processes are adopted.

Specification	
Electrical	
Impedance	75 Ohm
Frequency Range	0 – 3.0 GHz
Working Voltage	500 V <sub>rms</sub>
Dielectric Withstanding Voltage	1500 V <sub>rms</sub>
Reflection Factor <sup>(VSWR)</sup>	1.08 <sup>(Max)</sup> DC-1.5GHz 1.16 <sup>(Max)</sup> 1.5GHz-3.0GHz
Contact Resistance	Centre contact 1.5 m ohm Outer contact 1.0 m ohm
Insulation Resistance	> 5000 Meg Ohm
*Materials	
Centre Pin - female	Phosphor Bronze/10µ " Au
Centre Pin - male	Brass
Metal Parts	Brass / Nickel
Insulators	Teflon®



**C-SX-061**

\* Other materials such as Gold Plating are available to customer requirement.

**Cable terminated Real 75 ohm BNC connectors and patch leads**

To complement these products Cambridge Connectors also produces Real 75 ohm BNC connectors for a variety of cable types and patch leads in either standard length or built to customer specification.

For more details contact our applications engineers on.

Tel: 01223 860041 Fax: 01223 863625

Email: [technical@cambridgeconnectors.com](mailto:technical@cambridgeconnectors.com)

Web site [www.cambridgeconnectors.com](http://www.cambridgeconnectors.com)

