

**Precision 75 Ohm BNC connectors for HDTV Broadcast Applications**  
**Edge card mounting with unique location webs**

**Features**

- Precision 75 Ohm BNC Connector
- Designed for HD SDV applications
- PCB edge mounting style minimises signal path discontinuities
- Unique location webs secure connector in place during production
- 75 ohm optimised PCB layout guide available
- RoHS Compliant
- Low profile feature gives high wiring densities
- A 75 ohm optimised PCB layout guide is available on request.

**General Description**

BNC, female bulkhead 75 ohm PCB edge mount connector.

**Applications**

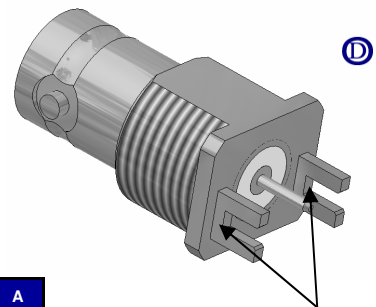
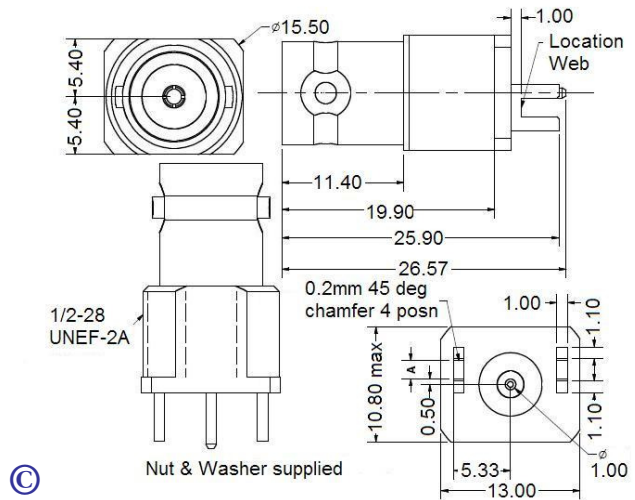
It is specifically designed for the broadcast industry for use in HDTV, Serial Video applications where accurate 75 ohm connectivity is necessary.

**Specification**

Electrical	
Impedance	75 Ohm
Frequency Range	0 – 3.0 GHz
Working Voltage	500 Vrms
Dielectric Withstanding Voltage	1500 V <sub>rms</sub>
Reflection Factor (V <sub>SWR</sub> )	1.08 (Max) DC-1.5GHz 1.16 (Max) 1.5GHz-3.0GHz
Contact Resistance	Centre contact 1.5 m ohm Outer contact 1.0 m ohm > 5000 Meg Ohm
Insulation Resistance	

**\*Materials**

Centre Pin - female	Phosphor Bronze/10µ " Au
- male	Brass
Metal Parts	Brass / Nickel
Insulators	Teflon®



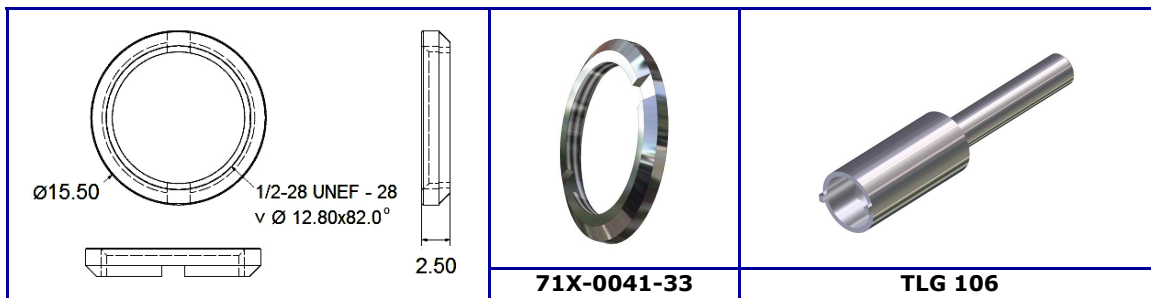
Part Number	PCB thickness	A
C-SX-058	1.6mm	1.70
C-SX-072	2.4mm	2.50
C-SX-073	3.2mm	3.30
C-SX-074	3.6mm	3.70

During production these unique location webs secure the connector into position on the card edge prior to the soldering phase.

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

**Slotted circular nuts for bulkhead mounted BNC connectors**

To meet the requirement for increased wiring densities, Cambridge Connectors offers the choice of slim line slotted circular nuts for use with its bulkhead mounted precision 75 ohm BNC connectors. Available as an optional extra, these enable the connectors to be mounted on a 16 mm pitch. A special matching tool, TLG 106, is available.



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