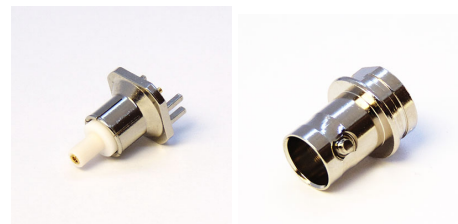


# 3GHz BNC Coaxial Connectors

## 2 Part Connector System

### General Description

The two part BNC connector system is designed for 3GHz HD-SDI applications, with six front interface styles of 75Ω coaxial catered for. The main inner body is board mounted in either a square based top entry system or a PCB edge mounted system which is available for a number of board thicknesses. The front interface of the system has five different bulkhead mounting styles and an additional PCB mount style available.

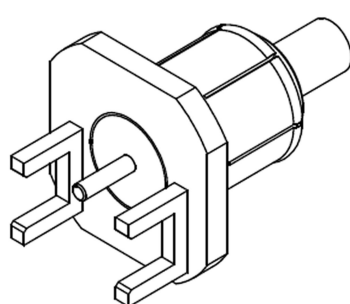


### Features

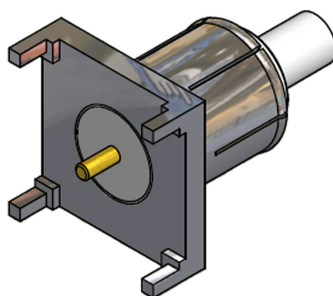
- Precision 3GHz 75Ω BNC Connector
- Ideal for 3G HD-SDI Test and Measurement Applications
- Two mounting styles with six front Interface styles
- Single board design can be used in multiple applications
- Easy board replacement without having to disrupt existing mated cabling
- Plug and play board replacement

3G SDI

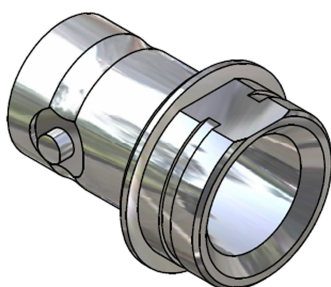
CoaxVision™



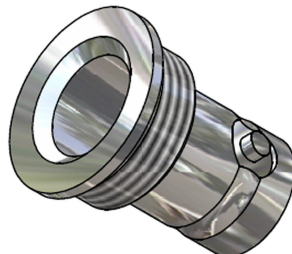
XBT-1060-NGAY  
Edge Mount 2 Part Inner



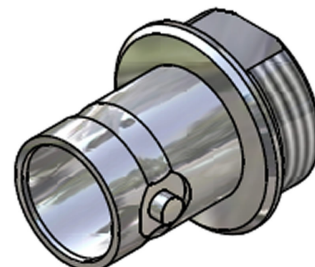
XBT-1065-NGAY  
Top Entry 2 Part Inner



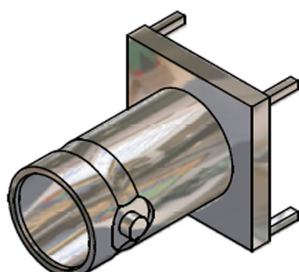
71X-0037-33  
Circlip Bulkhead Mount Connector  
Body



71X-0038-33  
Rear Mount Connector Body



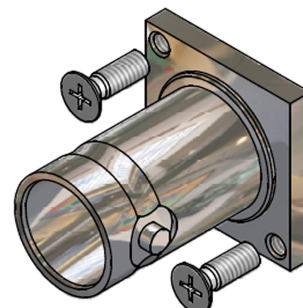
71X-0039-33  
Front Mount Connector Body



71X-0040-33  
PCB mounted Connector Body



71X-0042-33  
Rear Mount Connector Body with  
flats



71X-0044-33  
Rear Mount Connector Body with  
screws



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# 3GHz BNC Coaxial Connectors

## 2 Part Connector System

### Part Number XBT-1060-NGAY and XBT-1065-NGAY

#### Part Description

The XBT-1060-NGAY is a PCB edge mounting connector inner for the 2 part BNC 3GHz connector system, which is available for use in a number of board thicknesses.

#### Electrical Specification

Impedance:	75 $\Omega$
Frequency Range:	0-3.2GHz
Working Voltage:	500Vrms
Dielectric Withstanding Voltage:	1500Vrms
Contact Resistance:	Centre contact 1.5m $\Omega$ Outer contact 1.0m $\Omega$
Insulation Resistance:	>5000M $\Omega$

#### Materials

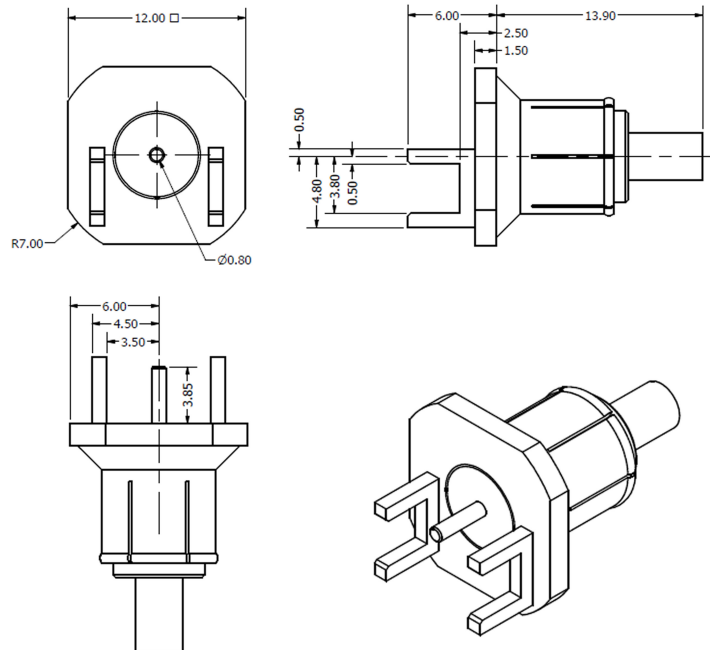
Centre Pin:	Phosphor Bronze / 10 $\mu$ "Au
Metal Parts:	Brass / Ni
Insulators:	PTFE

#### Environmental

Temp Range:	-65 to +85°C
Mating Cycles:	250

#### Processing

Maximum hand soldering temperature 265°C



#### Part Description

The XBT-1065-NGAY is a square based PCB top entry mounting connector inner for the 2 part BNC 3GHz connector system.

#### Electrical Specification

Impedance:	75 $\Omega$
Frequency Range:	0-3.2GHz
Working Voltage:	500Vrms
Dielectric Withstanding Voltage:	1500Vrms
Contact Resistance:	Centre contact 1.5m $\Omega$ Outer contact 1.0m $\Omega$
Insulation Resistance:	>5000M $\Omega$

#### Materials

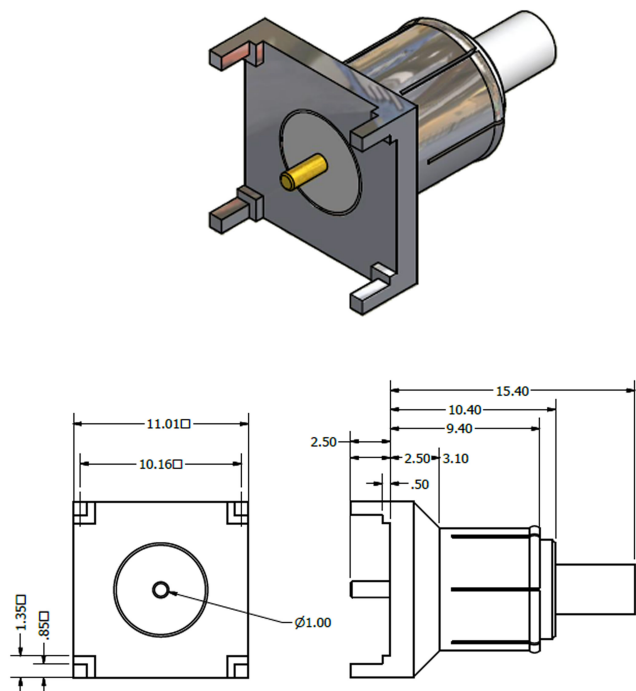
Centre Pin:	Phosphor Bronze / 10 $\mu$ "Au
Metal Parts:	Brass / Ni
Insulators:	PTFE

#### Environmental

Temp Range:	-65 to +85°C
Mating Cycles:	250

#### Processing

Maximum wave and hand soldering temperature 265°C



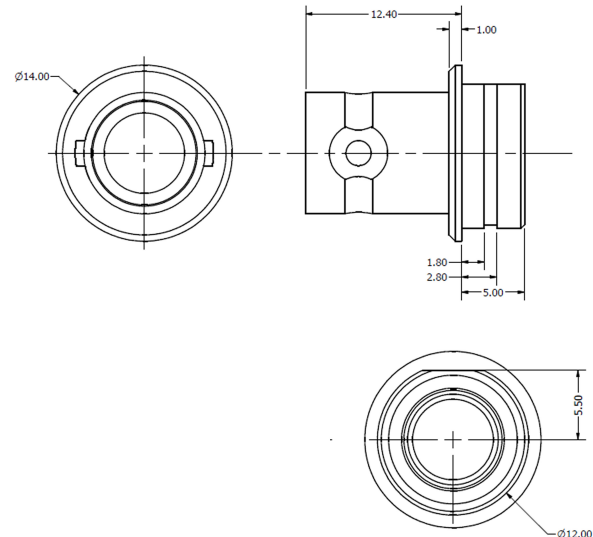
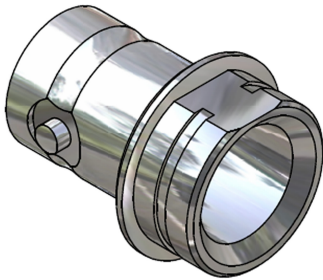
## 3GHz BNC Coaxial Connectors

### 2 Part Connector System

Part Number 71X-0037-33, 71X-00038-33, 71X-0039-33

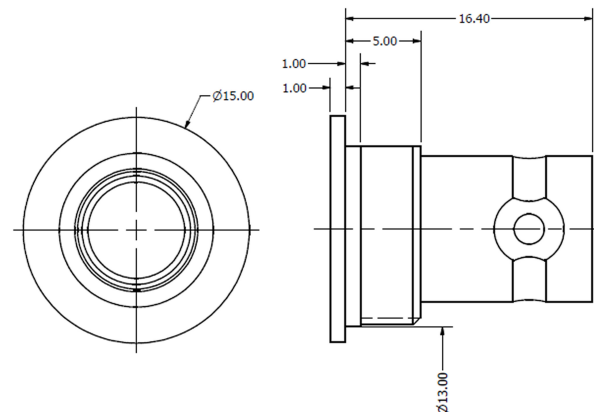
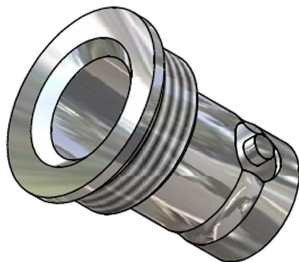
#### Part Description

The 71X-0037-33 is a BNC outer circlip bulkhead mount connector body for use with one of the inners of the 2 part system. It is made from brass with a nickel plating. It is supplied without circlip, which can be ordered as a separate item (part number 71X-0036-33).



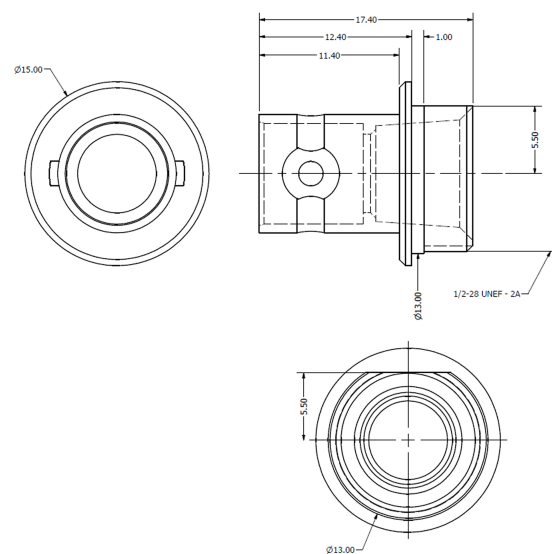
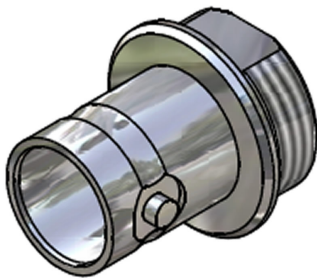
#### Part Description

The 71X-0038-33 is a BNC outer rear mounted bulkhead connector body for use with one of the inners of the 2 part system. It is made from brass with a nickel plating. It is supplied with nut and crinkle washer.



#### Part Description

The 71X-0039-33 is a BNC outer front mounted bulkhead connector body for use with one of the inners of the 2 part system. It is made from brass with a nickel plating. It is supplied with nut and crinkle washer.



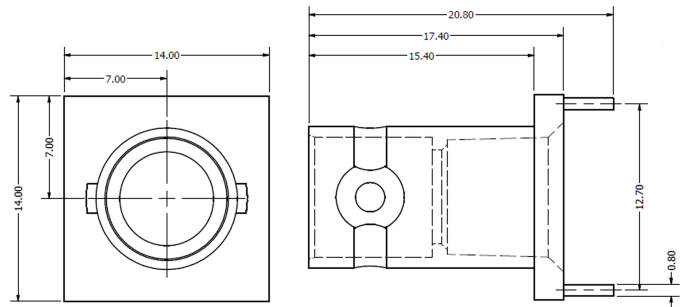
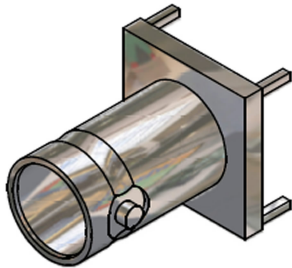
# 3GHz BNC Coaxial Connectors

## 2 Part Connector System

Part Number 71X-0040-33, 71X-0042-33, 71X-0044-33

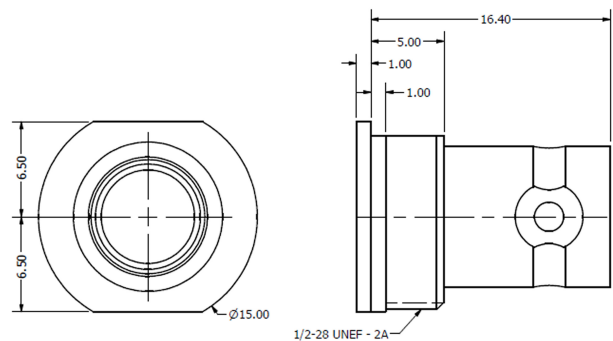
### Part Description

The 71X-0040-33 is a BNC outer connector body for PCB mounting and use with one of the inners of the 2 part system. It is made from brass with a nickel plating.



### Part Description

The 71X-0042-33 is a BNC outer rear mounted bulkhead connector body with flats for use with one of the inners of the 2 part system. It is made from brass with a nickel plating. It is supplied with nut and crinkle washer.



### Part Description

The 71X-0044-33 is a BNC outer rear mounted bulkhead connector body with screws for use with one of the inners of the 2 part system. It is made from brass with a nickel plating.

