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## FEATURES & BENEFITS

**The smallest BNC in the industry**

**High density solution, allowing for four times as many interconnects as the BNC**

**51% smaller than the BNC**

**39% smaller than the Mini-BNC**

**Bayonet coupling provides a positive lock and allows for quick and easy connect/disconnect**

**Supports most popular high density cable types**

**True 75 Ohm impedance end to end**

**Made by the Inventors of the BNC**

## APPLICATIONS

**Network Routing & Switching**

**Telco Central Office**

**DS3/DS4**

**Broadcast**

**Digital Video - HDTV**

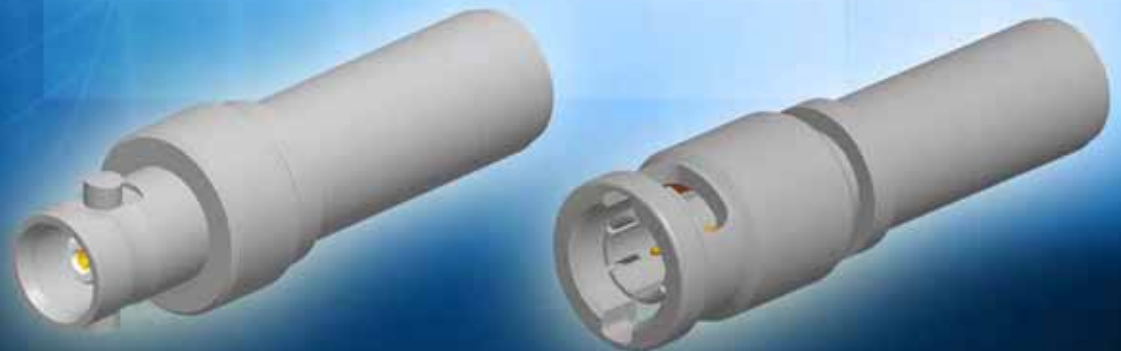
**Custom Cable Assemblies**

**Instrumentation**

**Mil/Aero**

**Medical Equipment**

**Satellite Headends**

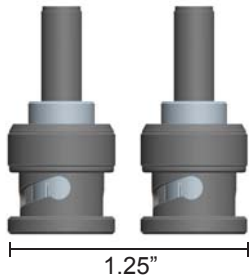


**High Density BNC Connectors**

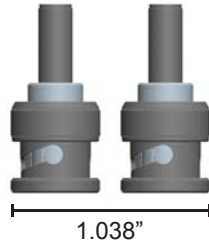
# High Density (HD) BNC Connectors

Spacing Comparison (not actual size)

## BNC



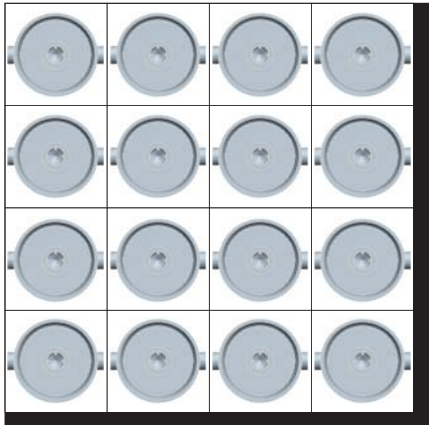
## Mini BNC



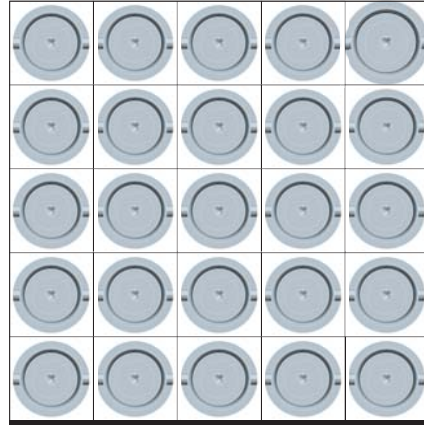
## HD BNC



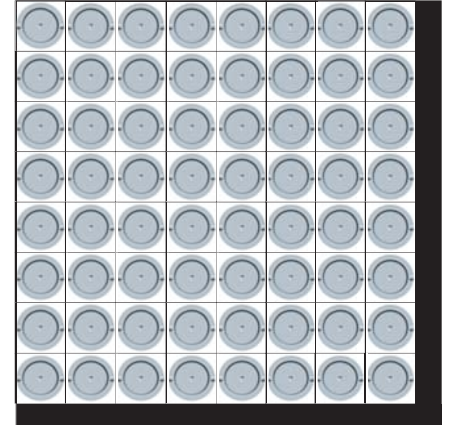
16 interconnects in 2.5x2.5"



25 interconnects in 2.5x2.5"



64 interconnects in 2.5x2.5"



## 75 Ω Specification

## Conditions

### Electrical

Impedance	75 Ω
Frequency Range	0-6 GHz
Voltage Rating	170 VRMS
Dielectric Withstanding Voltage	500 volts
VSWR	Straight connectors: 1.06 @ 2.5 GHz
Contact Resistance	Center contact: 5 m Ω; Outer contact: 2.5 m Ω
Insulation Resistance	10,000 M Ω minimum
Insertion Loss	0.10 dB @ 1 GHz

### Mechanical

Mating	Bayonet Positive Locking
Braid/Jacket Cable Affixment	Hex crimp
Center Conductor Cable Affixment	Solder / Crimp
Contact Captivation	All types unless noted otherwise
Connector Durability	500 mating cycles minimum

### Material

Male Contact	Brass per QQB-626
Female Contact	Beryllium copper per QQC-530, heat-treated per MIL-H-7199
Contact Plating	30 μ" Gold
Body, Metal Parts	Brass per QQB-626
Body/Metal Parts Finish	Nickel or Gold
Insulator	PTFE
Gasket	Silicone rubber
Crimp Ferrule	Seamless copper tubing alloy
Ferrule Finish	Nickel or Gold