

## Coaxial-BNC 75 Ohm



The C-Press® 75 ohm BNC connector eliminates soldering to the printed circuit board. The connector is pressed into the PCB using Standard C-Press® contacts with installation tool provided by Winchester Electronics. This BNC connector combines the use of our C-Press® compliant contacts and drive screws to allow low insertion force into the PCB as well as high retention force to the printed circuit board. This patented drive screw design allows the drive screw to screw freely into the hole but prevents it from spinning out of the hole when the mated connector and cable is tugged or pulled on.

The result is a connector that meets or exceeds 100 lbs. minimum retention.

C-Press® BNC connectors can be removed from the P.C.B. using a drive screw knockout tool and connector removal tool available from Winchester Electronics. Removal and replacement of these connectors is a cost effective, quick and easy process.

These connector features combine to offer significant advantages in reliability, assembly, repairability and cost over other soldered in or press fit BNC connectors.

## SPECIFICATIONS

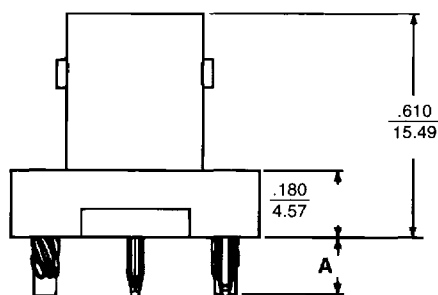
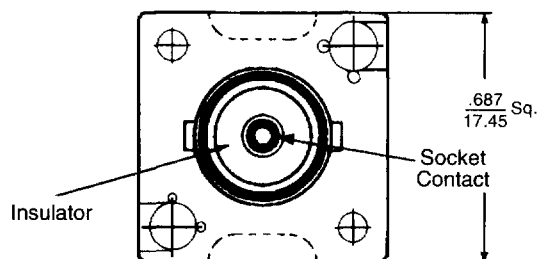
*This connector meets the mechanical and electrical intermating requirements for class 2 coaxial connectors per Mil-C-39012.*

<b>Impedance:</b>	75 ohms commercial	<b>Connector insertion force:</b>	500 lbs. max.
<b>Voltage rating:</b>	500 VAC, RMS @ sea level	<b>Connector removal force:</b>	100 lbs. min.
<b>VSWR:</b>	Less than or equal to 1.15 (return loss better than 23.0 dB)	<b>Packaging:</b>	Anti-static
<b>RF Leakage:</b>	-55 dB @ 2 GHz	<b>BNC Body:</b>	Zinc die cast. 150 microinches min. nickel over 200 microinches min. copper
<b>Frequency range:</b>	0 to 4 GHz	<b>Contact Socket:</b>	Beryllium Copper. 50 microinches min. gold over 150 microinches min. nickel over 10 microinches max. copper plating
<b>Practical Frequency range:</b>	0 to 2 GHz	<b>Insulator, Front:</b>	Teflon
<b>Center contact:</b>	20 milliohms max. @ 1 amp.	<b>Insulator, Rear:</b>	Teflon
<b>Outer contact:</b>	1.5 milliohms max. @ 1 amp	<b>Insert:</b>	Brass. 100 microinches min. tin-lead over 100 microinches min. copper plate
<b>Insulation resistance:</b>	5000 megohms min. @ 500 V DC	<b>Fastener, Locking:</b>	Stainless steel. Passivated
<b>Insertion Loss:</b>	.3 dB max. @ 2 GHz	<b>Contact, C-Press®:</b>	Copper, Nickel, Tin. 100 microinches min. tin-lead over 50 microinches min. nickel
<b>Center contact withdrawal force:</b>	2 lbs. max. with a .054" dia. steel pin		
<b>Center contact withdrawal force:</b>	2 oz. min. with a .052 dia. steel pin		
<b>Temperature range:</b>	-55°C to +125°C		

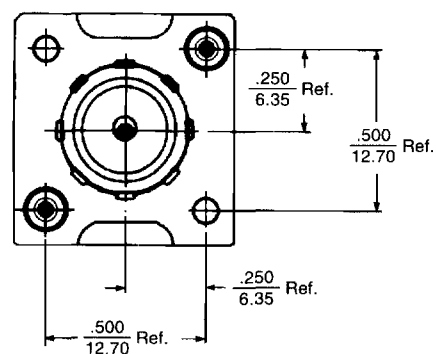
Recognized under the Component Program of Underwriters Laboratories Inc. File No. E136181, to Standard UL 1863



### OUTLINE

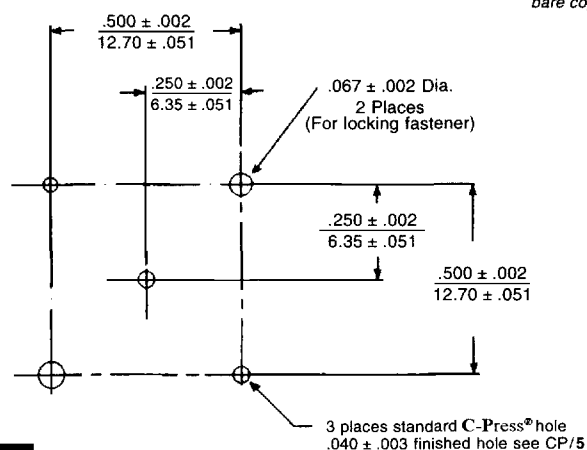


Part Number	A
121-13305-1	.17 / 4.3
121-13305-2	.25 / 6.4



### BACKPANEL REQUIREMENTS

#### Hole pattern



**NOTE:** Consult Winchester Electronics for C-Press® applications for backpanels less than .093" thick and for bare copper plated through holes.


### ORDERING INFORMATION

#### Part Number 121-13305-1

Connector Insertion Tool: 107-43184

Connector Removal Tool: 107-43185

Drive Screw Knockout Tool: 107-43186

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Winchester Electronics

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