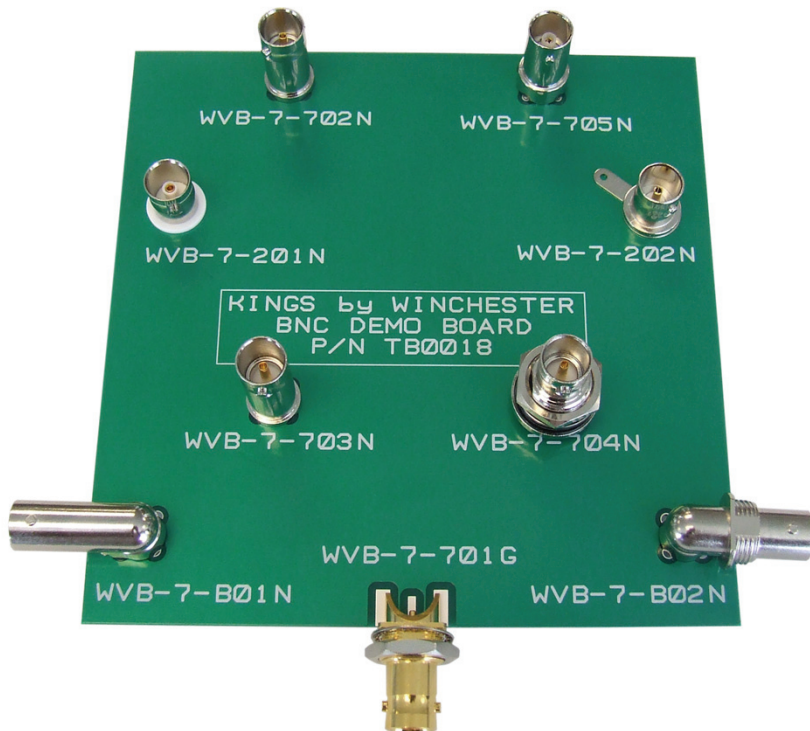




# WVB Series

## 75 Ohm BNC PCB Connectors



## Product Description

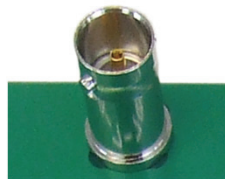
WVB Series 75 Ohm BNC PCB Jacks are available in a variety of Vertical, Right-Angle and Edge Mount designs for solder termination to printed circuit boards.

WVB Series 75 Ohm BNC PCB Jacks mate with our industry-proven KINGS® 2065 Series Standard BNC and 2065 Series Long Barrel BNC Plugs and can be used in a wide range of applications including Broadcast Routers, Networking, Instrumentation, and Medical Equipment.

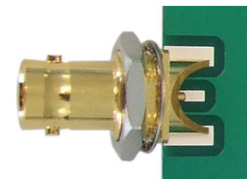
WVB Series 75 Ohm BNC Bulkhead Jacks for panel mount applications are available in two styles – isolated ground or with a grounding ring.



- BNC Right-Angle PCB Jacks are available in bulkhead and extended-nose right-angle configurations. BNC bodies are die cast with nickel plating. Center contacts are precision machined and gold plated.



- BNC Vertical PCB Jacks are available in bulkhead and straight configurations offered in 3 different height profiles. BNC bodies are nickel plated machined brass or die cast. Center contacts are precision machined and gold plated.



- BNC Edge Mount PCB Jacks are designed for 0.62 inch thick PCB and have a gold plated machined brass body with a precision machined gold plated center contact.

## Specifications

### Electrical

Impedance: 75 Ohms  
 Frequency Range: 0 - 4 GHz  
 Working Voltage:  $\geq 500$  VRMS  
 Dielectric  
 Withstanding Voltage: 1500 VRMS at sea level  
 VSWR: Straight: 1.15 Max  
 Right Angle: 1.2 Max  
 Contact Resistance: Center Contact:  $\leq 1.5$  Milliohms  
 Outer Contact:  $\leq 0.2$  Milliohms  
 Insulation Resistance: 5000 Milliohms  
 Insertion Loss: 0.2 dB Max

### Environmental

Temperature Range: - 65° C to + 165° C

### Material

Body & Outer Contact: Brass or Die Cast, Nickel Plated  
 Female Contact: Phosphor Bronze, Gold Plated  
 Insulator: Delrin® or PTFE

### Mechanical

Center Contact Retention:  $\geq 6$  lbs.  
 Engagement Force:  $\leq 5$  lbs.  
 Disengagement Force:  $\geq 1.5$  lbs.  
 Durability: 500 Cycles Min

## Part Numbers

| Part Number | Description                           | Solder Tail Length (in.) | Body Material          | Insulation Material |
|-------------|---------------------------------------|--------------------------|------------------------|---------------------|
| WVB-7-701G  | BNC Edge Mount Jack                   | —                        | Brass Gold Plated      | PTFE                |
| WVB-7-705N  | BNC Vertical PCB Jack                 | .131                     | Die Cast Nickel Plated | Delrin®             |
| WVB-7-703N  | BNC Vertical PCB Jack                 | .177                     | Brass Nickel Plated    | PTFE                |
| WVB-7-702N  | BNC Vertical PCB Jack                 | .177                     | Brass Nickel Plated    | Delrin®             |
| WVB-7-704N  | BNC Vertical PCB Bulkhead Receptacle  | .177                     | Brass Nickel Plated    | PTFE                |
| WVB-7-B02N  | BNC Right-Angle Bulkhead PCB Jack     | .131                     | Die Cast Nickel Plated | PTFE                |
| WBV-7-B01N  | BNC Right-Angle PCB Jack              | .131                     | Die Cast Nickel Plated | Delrin®             |
| WVB-7-202N  | BNC Bulkhead Jack Solder Cup          | —                        | Die Cast Nickel Plated | Delrin®             |
| WVB-7-201N  | BNC Bulkhead Jack Solder Cup Isolated | —                        | Brass Nickel Plated    | Nylon               |

