

V-BITE® BNC Connectors

50 Ohm & 75 Ohm Edge-Mount PCB



Bomar products, like V-Bite® BNC Connectors, are now sold under the Win™ brand from Winchester Interconnect™

Product Description

V-Bite® Edge-Mount BNC PCB Connectors feature a unique and patented design which provides ease of assembly, outstanding RF performance, and superior mechanical strain relief.

V-Bite® Edge-Mount BNC connectors are available in 50 Ohm and 75 Ohm and can be used in a wide range of applications including Broadcast Routers, Medical Equipment, Security, Telecommunications, and Test and Measurement.

V-Bite® Edge-Mount BNC PCB connectors snap into the printed circuit board and are held securely in position prior to soldering. Connector bodies are notched where they attach to the board, which helps to provide excellent strain relief and prevent fatigue to the solder joints during connector mating and unmating.

The edge-mount design utilizes a straight SMT contact for the RF signal that yields optimal performance versus a right-angle through-hole PCB connector.



V-Bite® Edge-Mount connectors feature a semi-circle shaped spring contact staked into a groove at the rear of the connector.



V-Bite® Edge-Mount connectors are fast and simple to install. Simply place the connector at a 45-degree angle to the PCB. Insert the PCB into the notched opening and push down onto the connector to seat it firmly in place.



Once installed, V-Bite® Edge-Mount connectors are ready to be soldered and do not require special fixtures to hold the connectors in true position.

 **Winchester**
Interconnect.

We Energize Innovation.

Specifications

<p>Electrical</p> <p>Impedance 50 Ohm or 75 Ohm</p> <p>Frequency Range 0 – 4 GHz</p> <p>Voltage ≥ 500 VRMS</p> <p>Dielectric Withstanding Voltage 1000 VRMS at sea level</p>	<p>VSWR Straight: 1.15 Max Right Angle: 1.2 Max</p> <p>Contact Resistance Center Contact: ≤ 1.5 Milliohms Outer Contact: ≤ 0.2 Milliohms</p> <p>Insulation Resistance 5000 Milliohms</p> <p>Insertion Loss 0.2 dB Max</p>	<p>Mechanical</p> <p>Center Contact Retention ≥ 6 lbs.</p> <p>Engagement Force ≤ 5 lbs.</p> <p>Disengagement Force ≥ 1.5 lbs.</p> <p>Durability 500 Cycles Min</p>	<p>Material</p> <p>Body and Outer Contact Brass Nickel Plated/ Gold</p> <p>Female Contact Phosphor Bronze/ Gold Plated</p> <p>Insulator Polyethylene or PTFE</p> <p>Environmental</p> <p>Temperature Range -65° to +165° Celsius</p>
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Part Numbers

Part Number	Description	Impedance	PCB Thickness	Mounting Hardware
361V504ER	BNC Jack	50 Ohm	0.062 in.	
361V504ET	BNC Jack, Threaded Body	50 Ohm	0.062 in.	Sold Separately*
361V504EFT	BNC Jack, Bulkhead	50 Ohm	0.062 in.	Sold Separately*
361V704ER	BNC Jack	75 Ohm	0.062 in.	
361V704ET	BNC Jack, Threaded Body	75 Ohm	0.062 in.	Sold Separately*
361V704EFT	BNC Jack, Bulkhead	75 Ohm	0.062 in.	Sold Separately*
361V704EFTW	BNC Jack, Bulkhead with Gasket	75 Ohm	0.062 in.	Included

***Mounting Hardware:**

Lockwasher

364LW

Spanner Nut

361KNT

Hex Nut

364NT

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