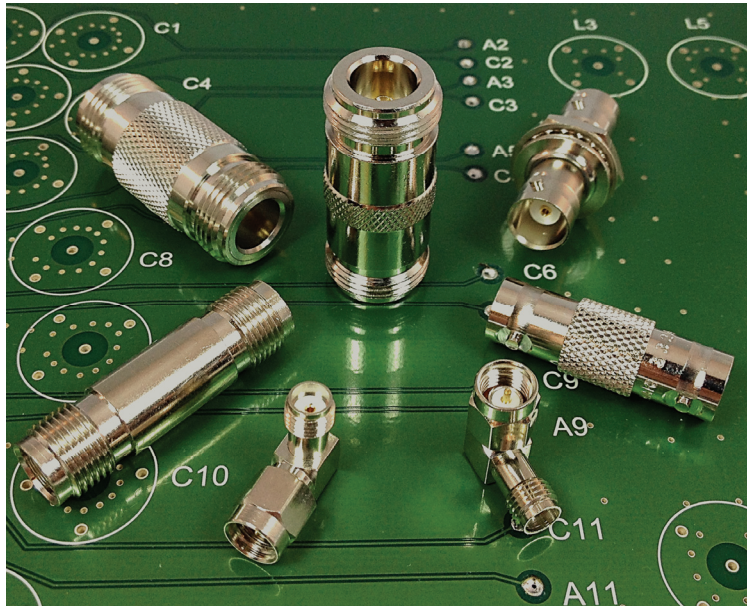




# In-Series RF Adapters

50 Ohm Type N, TNC, BNC, SMA



## Product Description

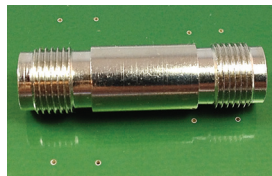
Winchester's Bomar brand of 50 Ohm In-Series RF Adapters are available in all popular RF Connector interfaces including Type N, TNC, BNC, and SMA.

In-Series RF Adapters can be used as "connector savers" to prevent wear-and-tear on equipment connectors, to join together two cable connectors of the same gender, or to be installed in break-out panels in a cabling installation.

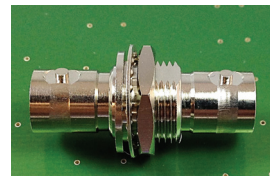
In-Series Adapters are available in Inline, Bulkhead, Isolated Bulkhead, Right-Angle, and 3-port "T" configurations. In-Series Adapters are also available in 75 Ohm, and customer designs are available upon request.



Type N  
In-Series Adapters



TNC  
In-Series Adapters



BNC  
In-Series Adapters



SMA  
In-Series Adapters

## Specifications

### Electrical

Impedance: 50Ω Ohms  
 Frequency Range: 50Ω DC – 1 GHz  
 Working Voltage: 500 VRMS at Sea Level  
 Dielectric  
 Withstanding Voltage: 1500 VRMS at Sea Level  
 VSWR: Consult Series Specifications  
 Contact Resistance: Center Contact: ≤ 3 Milliohms  
 Insulation Resistance: 5000 Megohms Min  
 Insertion Loss: 0.2 dB Max

### Material

Bodies: Nickel / Gold (see table)  
 Female Contact: Beryllium Copper  
 Gold Plated  
 Insulator: PTFE

### Mechanical

Mating Cycles: 500 Min  
 Center Contact: Captivated

### Environmental

Temperature Range: - 40° C to +165° C

## Part Numbers

Interface	Bomar Part Number	In-Series Adapter Description	Impedance	Body Material	Drawing Number
BNC	343A505	"T" Adapter, Jack-Plug-Jack	50	Nickel / Gold	SD343A505
BNC	332A505	Jack to Jack, Inline	50	Nickel / Gold	SD332A505
BNC	330A505	Plug to Plug, Inline	50	Nickel / Gold	SD330A505
BNC	335A544	Jack to Jack, Bulkhead	50	Nickel / Gold	SD335A544
BNC	335R544	Jack to Jack, Bulkhead, Isolated Ground	50	Nickel / Gold	SD335R544
SMA	930A524	Plug to Plug, Inline	50	Gold / Gold	SD930A524
SMA	932A524	Jack to Jack, Inline	50	Gold / Gold	SD932A524
SMA	935A505	Jack to Jack, Bulkhead	50	Gold / Gold	SD935A505
SMA	951A505	Plug to Jack, Right-Angle	50	Gold / Gold	SD951A505
TNC	532A505	Jack to Jack, Inline	50	Nickel / Gold	SD532A505
TNC	535A544	Jack to Jack, Bulkhead	50	Nickel / Gold	SD535A544
TNC	535R544	Jack to Jack, Bulkhead, Isolated	50	Nickel / Gold	SD535R544
TNC	543A505	"T" Adapter, Jack-Plug-Jack	50	Nickel / Gold	SD543A505
TNC	545A505	"T" Adapter, Jack-Jack-Jack	50	Nickel / Gold	SD545A505
TNC	551A505	Plug to Jack, Right-Angle	50	Nickel / Gold	SD551A505
Type N	132A505	Jack to Jack, Inline	50	Nickel / Gold	SD132A505
Type N	143A505	"T" Adapter, Jack-Plug-Jack	50	Nickel / Gold	SD143A505
Type N	145A505	"T" Adapter, Jack-Jack-Jack	50	Nickel / Gold	SD145A505
Type N	151A505	Plug to Jack, Right Angle	50	Nickel / Gold	SD151A505
Type N	130A5011	Plug to Plug, Inline	50	Tri Metal / Gold	SD130A5011
Type N	132A5011	Jack to Jack, Inline	50	Tri Metal / Gold	SD132A5011



Winchester Electronics  
 199 Park Road Extension, Suite 104  
 Middlebury, Connecticut 06762  
 203.741.5400 Phone  
 203.741.5500 Fax  
[www.winchesterelectronics.com](http://www.winchesterelectronics.com)