



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



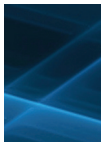
Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

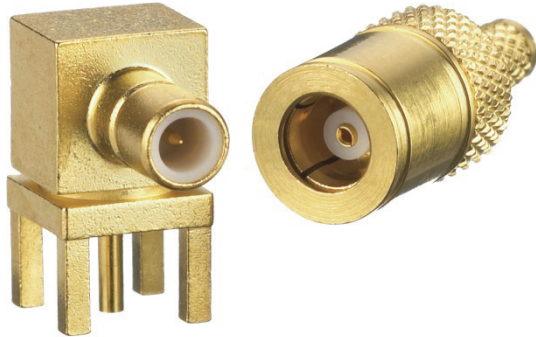
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





1000 Series SMB

50 Ohm Cable and PCB Connectors



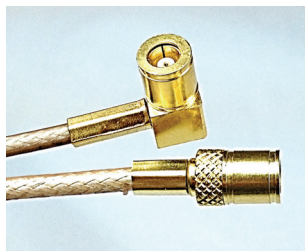
Product Description

Winchester's Bomar brand 1000 Series 50 Ohm SMB Connectors can be used in a wide range of applications including Test and Measurement, Mil-Aero, Satellite Communication, Wireless Communication, and Medical Equipment.

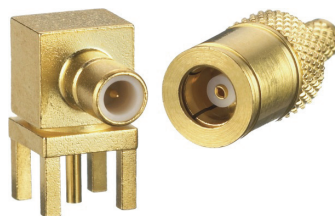
Our 1000 Series SMB Connectors are designed in accordance with MIL-STD 348 and feature a "Snap-On" interface designed for a frequency range of DC to 4 GHz.

Male cable plug connectors are available in straight and right-angle designs for popular flexible and semi-rigid cables.

Printed circuit board (PCB) connectors are available in straight and right-angle through-hole solder, and also in our unique E-Snap® Edge-Mount design.



- Quick connect/disconnect snap-on mating reduces installation time.



- Jack connectors have a male center contact. Plug connectors have a female center contact.



- SMB connectors are 30% smaller than SMA connectors.

Specifications

Electrical

Impedance:	50 Ohms
Frequency (GHz):	DC to 4 GHz
Working Voltage:	≥ 250 VRMS
Dielectric	
Withstanding Voltage :	1000 VRMS at Sea Level
VSWR: Straight	1.3 Max
Right Angle	1.5 Max
Contact Resistance:	Center Contact: ≤ 6 mΩ Outer Contact: ≤ 1 mΩ
Insulation Resistance:	5000 mΩ Min

Mechanical

Contact Retention:	≥ 4 lbs.
Engagement Force:	≤ 14 lbs.
Disengagement Force:	≥ 1.8 lbs.
Connector Durability:	500 Cycles Min
Temperature:	-65°C to +165°C

Environmental

Temperature Range:	-55°C to +155°C
Thermal Shock:	MIL-STD-202, Method 107
Moisture Resistance:	MIL-STS-202, Method 105
Corrosion:	MIL-STD-202, Method 101
Mechanical Shock:	MIL-STD-202, Method 101
Humidity:	MIL-STD-202, Method 101

Material

Body & Outer Contact:	Brass Nickel or Gold Plated
Male Contact:	Brass Gold Plated
Female Contact :	BECCU Gold Plated
Insulator:	PTFE
Crimp Ferrule:	Copper / Brass Nickel / Gold Plated
RoHS Compliant:	Yes

Part Numbers

Bomar Part Number	Straight and Right-Angle Cable Plugs	Crimp Tool	Hex Size
1010A204F	Straight Cable Plug for RG178, RG196	BDHD200	Solder / .128
1010A204M	Straight Plug for RG174, RG316, LMR100	BDHD200	Solder / .128
1010A204MS	Straight Cable Plug for RD316	BDHD200	Solder / .151
1013A204F	Right-Angle Cable Plug for RG178, RG196	BDHD200	Solder / .128
1013A204M	Right-Angle Plug for RG174, RG316, LMR100	BDHD200	Solder / .128
1013A204MS	Right-Angle Cable Plug for RD316	BDHD200	Solder / .151

Bomar Part Number	Bulkhead Cable Jacks	Crimp Tool	Hex Size
1021A204M	Straight Bulkhead Jack for RG174, RG316, LMR100	BDHD200	Solder / .128
1021A204MS	Straight Bulkhead Jack for RD316	BDHD200	Solder / .151

Bomar Part Number	Printed Circuit Board Connectors	PCB Thickness	Packaging
1061A514	Vertical, SMB Jack, 0.155" Solder Tail	0.062"	Single Pack
1064A595	Right-Angle, SMB, Jack, 0.155" Solder Tail	0.062"	Single Pack
1063A595	Right-Angle, SMB, Plug, 0.155" Solder Tail	0.062"	Single Pack
1060A514	Vertical, SMB Plug, 0.155" Solder Tail	0.062"	Single Pack

Bomar Part Number	2- and 4- Hole Flange Solder Cup	Mounting
1017A524	Square Flange Jack Solder Cup	4-Hole Pattern
1017B524	Rectangular Flange Jack Solder Cup	2-Hole Pattern



Winchester Electronics
 199 Park Road Extension, Suite 104
 Middlebury, Connecticut 06762
 203.741.5400 Phone
 203.741.5500 Fax
www.winchesterelectronics.com