



1300 Series MMCX

50 Ohm Cable and PCB Connectors



Product Description

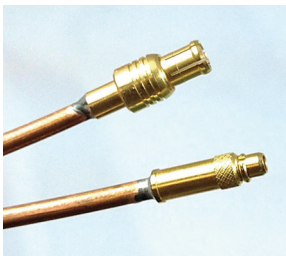
Winchester's Bomar brand 1300 Series 50 Ohm MMCX Connectors are 30% smaller than MCX Connectors.

Due their small size, MMCX Connectors can be used in a wide range of applications including Test and Measurement, Mil-Aero, Satellite Communication, Wireless Communication, and Medical Equipment.

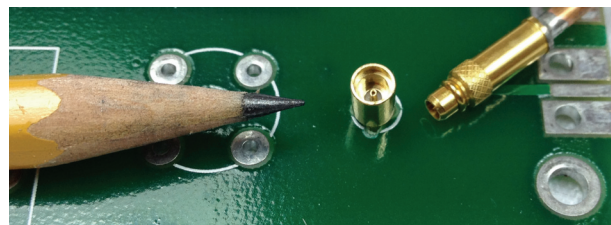
Our 1300 Series 50 Ohm MMCX Connectors are designed in accordance with European Specification CECC 22000 and feature a "Snap-On" interface designed for a frequency range of DC to 6 GHz.

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.



- Due to their miniature size, MMCX Connectors are ideal for high density applications requiring a very small RF interconnect.

Specifications

Electrical

Impedance:	50 Ohms
Frequency (GHz):	DC to 6 GHz
RF-Leakage:	60dB Min at 1 GHz
Dielectric	
Withstanding Voltage:	500 VRMS at Sea Level
VSWR:	1.15 Max DC-4 GHz 1.40 Max 4-6 GHz
Contact Resistance:	Center $\leq$ 10 m Ω Outer $\leq$ 5 m Ω
Insulation Resistance:	1000 m Ω Min.

Mechanical

Mating:	Snap-on Coupling
Contact Captivation:	2.3 lbs.
Engagement Force:	$\leq$ 3.4 lbs. (15N)
Disengagement Force:	$\geq$ 1.4 lbs. (6N)
Durability (Matings):	500 Cycles Min

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

Insulator Material:	PTFE
Body Material:	Brass
Body Finish:	Nickel
Contact Material:	Male Brass Female BECU
Crimp Ferrule:	Copper or Brass Nickel Plated
Contact Finish:	Gold
RoHS Compliant:	Yes

Part Numbers

Bomar Part Number	Straight and RT Angle Cable Plugs	Crimp Tool	Hex Size
1310A204F	Straight Cable Plug for RG178 / RG196	BDHD200	Solder / .128
1310A204M	Straight Cable Plug for RG174, RG316 and LMR100	BDHD200	Solder / .128
1310A204S	Straight Cable Plug for RD316	BDHD200	Solder / .151
1320A204-405	Straight Cable Plug for RG405 Semi-Rigid	Solder	Solder
1320A204-047	Straight Cable Plug for .047 Semi-Rigid	Solder	Solder
1313A204F	Right-Angle Cable Plug for RG178 / RG196	BDHD200	Solder / .128
1313A204M	Right-Angle Cable Plug for RG174, RG316 and LMR100	BDHD200	Solder / .128
1313A204MS	Right-Angle Cable Plug for RD316	BDHD200	Solder / .151
1313A204-405	Right-Angle Cable Plug for RG405	Solder	Solder
1313A204-047	Right-Angle Cable Plug for .047 Semi-Rigid	Solder	Solder

Bomar Part Number	Printed Circuit Board Connectors	PCB Thickness	Hex Size
1362A514	Vertical, MMCX, Plug, 0.155" Solder Tail	0.062	Single
1361A514	Vertical, MMCX, Jack, 0.155" Solder Tail	0.062	Single
1361E514	Edge-Mount, MMCX, Jack	0.062	Single
1364A514	Right-Angle, SMA, Jack, 0.155" Solder Tail	0.062	Single
1361E504	E-Snap® Edge-Mount, MMCX, Jack	0.062	Single



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