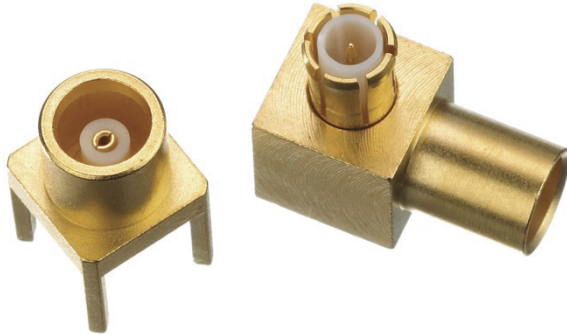




# 1200 Series MCX

50 Ohm Cable and PCB Connectors



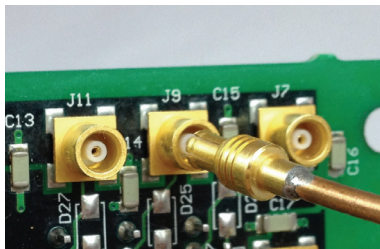
## Product Description

Winchester's Bomar brand 1200 Series 50 Ohm MCX Connectors can be used in a wide range of applications including Test and Measurement, Mil-Aero, Satellite Communication, Wireless Communication, and Medical Equipment.

Our 1200 Series 50 Ohm MCX Connectors are designed in accordance with European Specification CECC 22220 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.



- Miniature design MCX Connectors offer 30% reduction in size compared to SMB connectors.



- E-Snap® Edge-Mount connectors provide superior RF performance versus traditional right-angle connects, as straight contact provides the best transmission path.

## Specifications

### Electrical

Impedance:	50 Ohms
Frequency (GHz):	DC to 6 GHz
RF-Leakage:	60 dB Min at 1 GHz
Dielectric	
Withstanding Voltage:	500 VRMS at Sea Level
VSWR: Straight	1.06 Max DC-2.5 GHz
Right-Angle	1.10 Max DC-2.5 GHz
Contact Resistance:	Center $\leq$ 5 m $\Omega$ Outer $\leq$ 2.5 m $\Omega$
Insulation Resistance:	1000 m $\Omega$ Min.

### Mechanical

Mating:	Snap-On Coupling
Contact Captivation:	2.3 lbs. (10N)
Engagement Force:	$\leq$ 5.6 lbs. (25N)
Disengagement Force:	$\geq$ 2.3 lbs. (10N)
Durability (Mating):	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 Right Angle Cable Plugs	Crimp Tool	Hex Size
1210A204M	Straight Cable Plug for RG174, RG316, LMR100	BDHD200	Solder / .128
1210A204MS	Straight Cable Plug for RD316	BDHD200	Solder / .151
1213A204M	Right-Angle Cable Plug for RG174, RG316, LMR100	BDHD200	Solder / .129
1213A204MS	Right-Angle Cable Plug for RD316	BDHD200	Solder / .151
1213A204-402	Right-Angle Cable Plug for RG402 Semi-Rigid	Solder	Solder
1213A204-405	Right-Angle Cable Plug for RG405 Semi-Rigid	Solder	Solder

Bomar Part Number	Straight Bulkhead Cable Jack	Crimp Tool	Hex Size
1220A204M	Straight Bulkhead Cable Jack for RG174, RG316, LMR100	BDHD200	Solder / .128

Bomar Part Number	Printed Circuit Board Connectors	PCB Thickness	Packaging
1261A514	Vertical, MCX Jack, 0.155" Solder Tail	0.062"	Single
1264A514RT	Right-Angle, MCX, Jack, 0.155" Solder Tail	0.062"	Single
1261A514SM	Vertical, MCX, Jack, Surface Mount	0.062"	Single
1261E504	E-Snap® Edge-Mount, MCX, Jack	0.062"	Single
1261E504L	E-Snap® Edge-Mount, MCX, Jack, Low-Profile	0.062"	Single



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