

1200 Series MCX

50 Ohm Cable and PCB Connectors



Bomar products, like the 1200 Series MCX 50 Ohm Cable and PCB Connectors, are now sold under the Win™ brand from Winchester Interconnect™.

Product Description

Winchester Interconnect's 1200 Series MCX 50 Ohm Cable and PCB 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 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.

 **Winchester**
Interconnect.

We Energize Innovation.

Specifications

<p>Electrical Impedance 50 Ohms</p> <p>Frequency DC to 6 GHz</p> <p>RF-Leakage 60 dB Min at 1 GHz</p> <p>Dielectric Withstanding Voltage 500 VRMS at sea level</p> <p>VSWR <i>Straight</i> 1.06 Max DC – 2.5 GHz <i>Right-Angle</i> 1.10 Max DC – 2.5 GHz</p>	<p>Contact Resistance Center ≤ 5 Megohms Outer ≤ 2.5 Megohms</p> <p>Insulation Resistance 1000 Megohms Min</p> <p>Mechanical Mating Snap-On Coupling</p> <p>Contact Captivation 2.3 lbs. (10N)</p>	<p>Engagement Force ≤ 5.6 lbs. (25N)</p> <p>Disengagement Force ≥ 2.3 lbs. (10N)</p> <p>Durability 500 Cycles Min</p> <p>Material Body Brass</p> <p>Body Finish Nickel</p> <p>Contact Male Brass Female BECU</p>	<p>Contact Finish Gold</p> <p>Insulator PTFE</p> <p>Crimp Ferrule Copper or Brass Nickel Plated</p> <p>Environmental Temperature Range -55°C to +155°C</p> <p>Thermal Shock MIL-STD-202, Method 107</p>	<p>Moisture Resistance MIL-STS-202, Method 105</p> <p>Corrosion MIL-STD-202, Method 101</p> <p>Mechanical Shock MIL-STD-202, Method 101</p> <p>Humidity MIL-STD-202, Method 101</p>
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Part Numbers

Part Number	Straight and Right-Angle Cable Plugs	Crimp Tool	Hex Size
1210A204M	Straight Cable Plug for RG174, RG316, LMR100	BDHD200	Solder / 0.128
1210A204MS	Straight Cable Plug for RD316	BDHD200	Solder / 0.151
1213A204M	Right-Angle Cable Plug for RG174, RG316, LMR100	BDHD200	Solder / 0.129
1213A204MS	Right-Angle Cable Plug for RD316	BDHD200	Solder / 0.151
1213A204-402	Right-Angle Cable Plug for RG402 Semi-Rigid	Solder	Solder
1213A204-405	Right-Angle Cable Plug for RG405 Semi-Rigid	Solder	Solder

Part Number	Bulkhead Cable Jack	Crimp Tool	Hex Size
1220A204M	Straight Bulkhead Cable Jack for RG174, RG316, LMR100	BDHD200	Solder / 0.128

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
1261A541SM	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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Mouser Electronics

Authorized Distributor

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