

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

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

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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