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

Frequency
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
≤ 5 Megohms
Outer
≤ 2.5 Megohms

Insulation Resistance
1000 Megohms Min

Mechanical
Mating
Snap–On Coupling

Contact Captivation
2.3 lbs. (10N)

Engagement Force
≤ 5.6 lbs. (25N)

Disengagement Force
≥ 2.3 lbs. (10N)

Durability
500 Cycles Min

Material
Body
Brass

Body Finish
Nickel

Contact
Male Brass
Female BECU

Contact Finish
Gold

Insulator
PTFE

Crimp Ferrule
Copper or Brass
Nickel Plated

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

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

Win.® Bomar products are now under the Win™ brand from Winchester Interconnect.

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