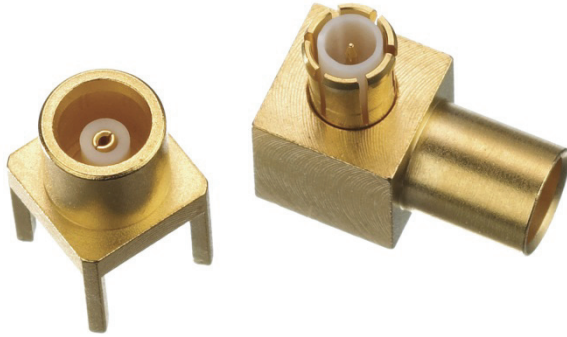




1200 Series MCX

50 Ohm Cable and PCB Connectors



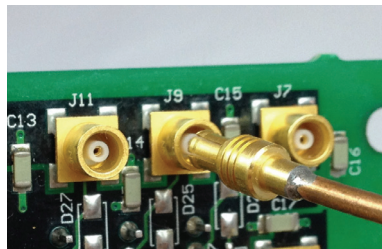
Product Description

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.

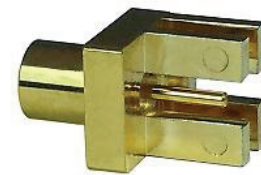
Printed circuit board (PCB) connectors are available in straight and right-angle through-hole solder, and also in our unique E-Snap® Edge-Mount design.



- 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 Ω Outer \leq 2.5 m Ω |
| Insulation Resistance: | 1000 m Ω 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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