

# 1300 Series MMCX

50 Ohm Cable and PCB Connectors



Bomar products, like the 1300 Series MMCX 50 Ohm Cable and PCB Connectors, are now sold under the Win™ brand from Winchester Interconnect™.

## Product Description

Winchester Interconnect's 1300 Series 50 Ohm MMCX Connectors are 30% smaller than MCX Connectors.

Due to their small size, MMCX Connectors can be used in a wide range of applications including Test and Measurement, Mil-Aero, Satellite Communication, Wireless Communication, and Medical Equipment.

Our 1300 Series 50 Ohm MMCX Connectors are designed in accordance with European Specification CECC 22000 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.

- Due to their miniature size, MMCX Connectors are ideal for high density applications requiring a very small RF interconnect.

 **Winchester**  
Interconnect.

*We Energize Innovation.*

## Specifications

<b>Electrical Impedance</b> 50 Ohms	<b>Contact Resistance</b> Center ≤ 10 Megohms Outer ≤ 5 Megohms	<b>Engagement Force</b> ≤ 3.4 lbs. (15N)	<b>Contact Finish</b> Gold	<b>Moisture Resistance</b> MIL-STS-202, Method 105
<b>Frequency</b> DC to 6 GHz	<b>Insulation Resistance</b> 1000 Megohms Min	<b>Disengagement Force</b> ≥ 1.4 lbs. (6N)	<b>Insulator</b> PTFE	<b>Corrosion</b> MIL-STD-202, Method 101
<b>RF-Leakage</b> 60 dB Min at 1 GHz	<b>Mechanical Mating</b> Snap-On Coupling	<b>Durability</b> 500 Cycles Min	<b>Crimp Ferrule</b> Copper or Brass Nickel Plated	<b>Mechanical Shock</b> MIL-STD-202, Method 101
<b>Dielectric Withstanding Voltage</b> 500 VRMS at sea level	<b>Contact Captivation</b> 2.3 lbs.	<b>Material Body</b> Brass	<b>Environmental Temperature Range</b> -55°C to +155°C	<b>Humidity</b> MIL-STD-202, Method 101
<b>VSWR</b> <i>Straight</i> 1.15 Max DC - 4 GHz <i>Right-Angle</i> 1.4 Max 4 - 6 GHz		<b>Body Finish</b> Nickel	<b>Thermal Shock</b> MIL-STD-202, Method 107	
		<b>Contact</b> Male Brass Female BECU		

## Part Numbers

Part Number	Straight and Right-Angle Cable Plugs	Crimp Tool	Hex Size
1310A204F	Straight Cable Plug for RG178, RG196	BDHD200	Solder / 0.128
1310A204M	Straight Cable Plug for RG174, RG316, LMR100	BDHD200	Solder / 0.128
1310A204S	Straight Cable Plug for RD316	BDHD200	Solder / 0.151
1320A204-405	Straight Cable Plug for RG405 Semi-Rigid	Solder	Solder
1320A204-047	Right-Angle Cable Plug for 0.047 Semi-Rigid	Solder	Solder
1313A204F	Right-Angle Cable Plug for RG178, RG196	BDHD200	Solder / 0.128
1313A204M	Right-Angle Cable Plug for RG174, RG316, LMR100	BDHD200	Solder / 0.128
1313A20MS	Right-Angle Cable Plug for RD316	BDHD200	Solder / 0.151
1313A204-405	Right-Angle Cable Plug for RG405	Solder	Solder
1313A204-047	Right-Angle Cable Plug for 0.047 Semi-Rigid	Solder	Solder

Part Number	Printed Circuit Board Connectors	PCB Thickness	Packaging
1362A514	Vertical, MMCX, Plug, 0.155" Solder Tail	0.062"	Single
1361A514	Vertical, MMCX, Jack, 0.155" Solder Tail	0.062"	Single
1361E514	Edge-Mount, MMCX, Jack	0.062"	Single
1364A514	Right-Angle, MMCX, Jack, 0.155" Solder Tail	0.062"	Single
1361E504	E-Snap® Edge-Mount, MMCX, Jack	0.062"	Single

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