

MCX Miniature RF Connector

The MCX is a miniature coaxial style RF connector based on the SMB “push-pull snap-on” mating system with a frequency range from 0-6 GHz.

Construction	Material	Plating
Connector Body	Brass	Nickel or Gold
Centre Contact	Male Brass Female Beryllium Copper	30μ “ gold over 100μ “ nickel
Insulation	Teflon	None
Gasket	Silicone Rubber	None
Crimp Ferrule	Annealed Copper	same as body
Mechanical		
Mating	“Push-pull” snap-on coupling	
Mating cycles	≤ 500	
Temperature Range	-65°C to 165°C	
Electrical		
Impedance	50 Ohm 0 to 6.0 GHz	
Frequency Range	0 to 6.0 GHz	
VSWR	0-2 GHz=1.22 max (straight) 1.50 max (right angle) 2-6 GHz=1.35 max (straight) 1.63 max (right angle)	
Isolation Voltage	RG-174, 188,316 Ž750 volts rms max RG-178, 196 Ž 500 volts rms max	
Contact Resistance	centre contact = 5.0 milliohms max outer contact = 1.0 milliohms max	
RF Leakage	-60 dB min	
Insertion Loss	.4 dB max (straight) .6 dB max (right angle)	
Insulation Resistance	1,000 Megohms min	

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● **MCX Straight Crimp Plug**

Unique P/N:A001

(see Ordering Code)

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● **MCX Right Angle Crimp Plug**

Unique P/N:A000

(see Ordering Code)

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● MCX Straight Crimp Socket

Unique P/N:A002

(see Ordering Code)

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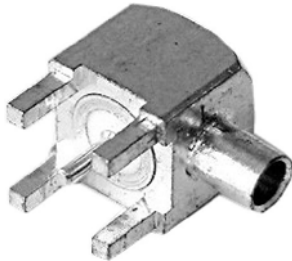


● MCX Straight PCB Mount Plug

Unique P/N:A003

(see Ordering Code)

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● MCX Right Angle PCB Mount Socket

Unique P/N:A004

(see Ordering Code)

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● MCX Straight PCB Mount Socket

Unique P/N:A006

(see Ordering Code)

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● MCX Straight PCB SMT Socket

Unique P/N:A007

(see Ordering Code)