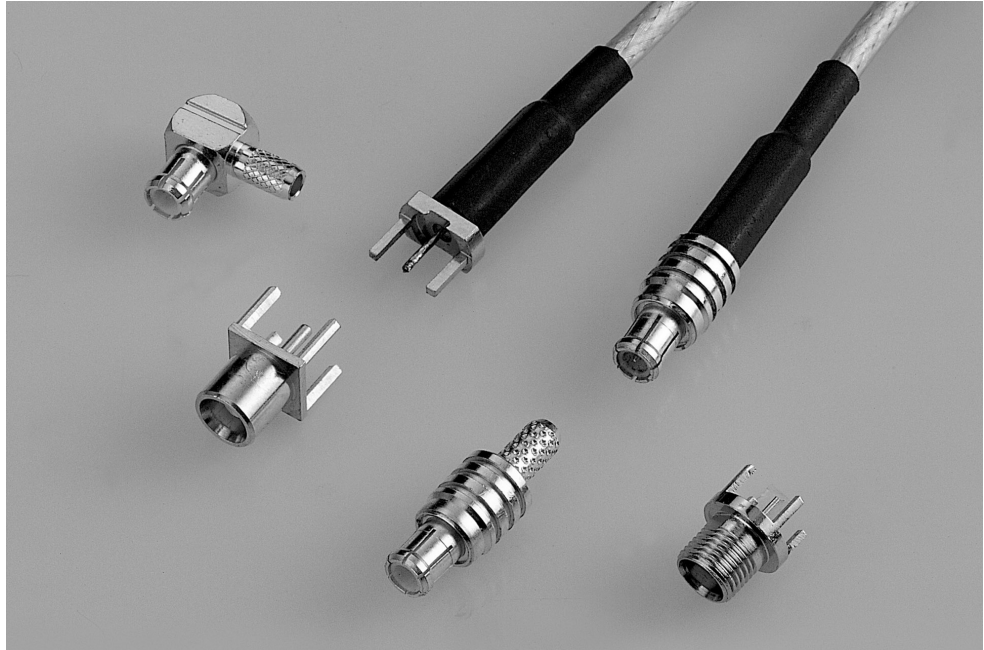


MCX Connectors

Product Facts

- Lightweight micro miniature connectors operating between DC to 6 GHz
- Snap-on coupling to offer ease of assembly in dense packaging layouts
- Available in a variety of mounting styles and cable options
- Available in nickel/gold and silver/silver plating options
- MCX offers a 30% space reduction over similar SMB/SMC connector types
- Optimised engagement and disengagement force to ensure ease of mating and prevent damage to PCB solder connections



Related Product Data:

Theory and Application - Page 10002

Connector Selection Guide - Page 10003

MCX Connector Specification - Page 10073

Tooling - See Connector Tables

Packaging - All connectors are packaged individually. Also available in tray and bulk. See Part Number Selection Tables

The Greenpar MCX RF connector family with snap-on coupling provides highly reliable, quick connect/disconnect coaxial connections.

These micro miniature connectors provide repeatable performance

from DC to 6 GHz. The design of these connectors have taken into consideration the need for size reduction, low weight, durability and reliable performance.

These connectors accept a wide range of coaxial

cables. These micro miniature connectors are fully mateable with the industry standard MCX family and conform to the CECC interface specification.

For complete product information, order Catalogue 1308830

Preferred Part

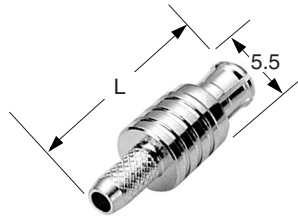
MCX Connector Specifications

Characteristics	Hex Crimp 50 Ohm	Solder Crimp 50 Ohm
Electrical		
Impedance, Nom. (Ohms)	50	50
Working Voltage (Volts RMS)	335 RMS Max at sea level	
Contact Resistance (Milliohms)	Centre: 5.0 Max Outer: 1.0 Max	
Initial Insulation Resistance (Megohms)	1000 Min	
Dielectric Withstanding Voltage (VAC)	1000 RMS Min at sea level	
RF Insertion Loss, Max. (dB)	Straight 0.1 Max. at 1.0 GHz Right Angle 0.2 Max. at 1.0 GHz	
Frequency Range (GHz)	0 to 6.0	
VSWR in Frequency Range	Straight 0-2 GHz 1.22 Max/2-6 GHz 1.35 Max Right Angle 0-2 GHz 1.50 Max/2-6 GHz 1.63 Max	
Mechanical		
Mating Style	Push Pull Snap On Coupling	
Coupling Nut Retention, Min. (N)	-	
Cable Retention, (N)	RG174/188/316 85N	
Durability (Cycles)	500 Matings	
Environmental		
Temperature Range, Operating (°C)	-65 to +165	
Vibration	MIL-STD-202 Method 204 Test Cond. B	
Salt Spray	MIL-STD-202 Method 101 Test Cond. B	
Thermal Shock	MIL-STD-202 Method 107 Test Cond. B	
Material		
Connector Body	Brass	
Connector Body Plating	Nickel or Gold	
Centre Contact Male	Brass	
Centre Contact Male Plating	Gold	
Centre Contact Female	Beryllium Copper	
Centre Contact Female Plating	Gold	
Insulation	Teflon	
Gasket	-	
Crimp Ferrule	Annealed Copper	
Crimp Ferrule Plating	As per Body Plating	

 Preferred Part

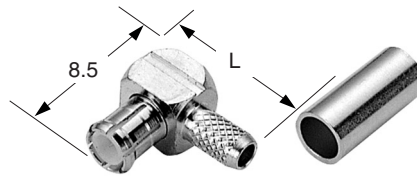
For complete product information, order Catalogue 1308830

MCX Crimp Connectors



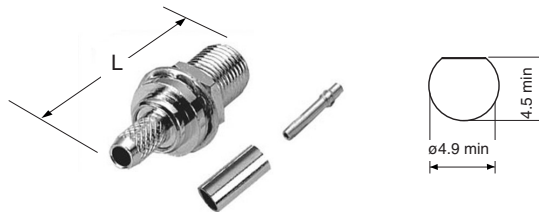
MCX Straight Plugs Crimp 50 Ohm

Connector Cable Range	Termination Type	Centre Contact Plating	Body Plating	Dielectric	Part Number	L Dim.	Hand Tool Part Number	Interchangeable Die Set	Assembly Instruction
RG178B/U 196A/U, URM110 KX21A	Hex Crimp	Gold	Gold	Teflon	1-1337579-0	15.8	9-1478240-0	9-1478248-0	411-3247
	Hex Crimp	Gold	Nickel	Teflon	1-1478005-0	15.8	9-1478240-0	9-1478248-0	
RG174A/U, 188A/U 316/U, URM95 KX3B, KX22A	Hex Crimp	Gold	Gold	Teflon	1-1337580-0	15.8	9-1478240-0	9-1478248-0	411-3247
	Hex Crimp	Gold	Nickel	Teflon	1-1478006-0	15.8	9-1478240-0	9-1478248-0	



MCX Elbow Plugs Crimp 50 Ohm

Connector Cable Range	Termination Type	Centre Contact Plating	Body Plating	Dielectric	Part Number	L Dim.	Hand Tool Part Number	Interchangeable Die Set	Assembly Instruction
RG178B/U 196A/U, URM110 KX21A	Hex Crimp	Gold	Gold	Teflon	1-1337584-0	9.6	9-1478240-0	9-1478248-0	411-3251
	Hex Crimp	Gold	Nickel	Teflon	1-1478003-0	9.6	9-1478240-0	9-1478248-0	
RG174A/U, 188A/U 316/U, URM95 KX3B, KX22A	Hex Crimp	Gold	Gold	Teflon	1-1337585-0	9.6	9-1478240-0	9-1478248-0	411-3251
	Hex Crimp	Gold	Nickel	Teflon	1-1478004-0	9.6	9-1478240-0	9-1478248-0	



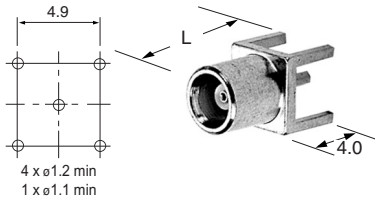
MCX Bulkhead Jacks Crimp 50 Ohm

Connector Cable Range	Termination Type	Centre Contact Plating	Body Plating	Dielectric	Part Number	L Dim.	Hand Tool Part Number	Interchangeable Die Set	Assembly Instruction
RG178B/U 196A/U, URM110 KX21A	Hex Crimp	Gold	Gold	Teflon	1-1337587-0	15.4	9-1478240-0	9-1478248-0	411-3247
	Hex Crimp	Gold	Nickel	Teflon	cso	15.4	9-1478240-0	9-1478248-0	
RG174A/U, 188A/U 316/U, URM95 KX3B, KX22A	Hex Crimp	Gold	Gold	Teflon	1-1337588-0	15.4	9-1478240-0	9-1478248-0	411-3247
	Hex Crimp	Gold	Nickel	Teflon	cso	15.4	9-1478240-0	9-1478248-0	

For complete product information, order Catalogue 1308830

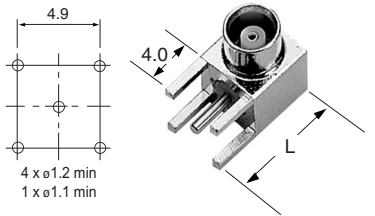
Preferred Part

MCX PCB Connectors



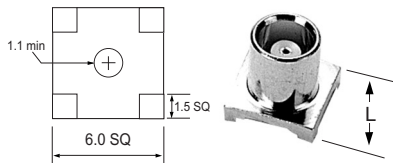
MCX Straight PCB Sockets 50 Ohm

Centre Contact Plating	Body Plating	Dielectric	Part Number	Dim L.	Leg Length
Gold	Gold	Teflon	1-1337581-0	10.0	4.0



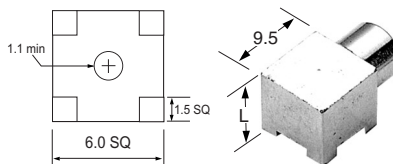
MCX Elbow PCB Sockets 50 Ohm

Centre Contact Plating	Body Plating	Dielectric	Part Number	Dim L.	Leg Length
Gold	Gold	Teflon	1-1337586-0	10.0	4.0



MCX Straight Surface-Mount PCB Sockets 50 Ohm

Centre Contact Plating	Body Plating	Dielectric	Part Number	Dim L.	Leg Length
Gold	Gold	Teflon	1-1337582-0	5.9	0.5



MCX Surface-Mount Elbow PCB Sockets 50 Ohm

Centre Contact Plating	Body Plating	Dielectric	Part Number	Dim L.	Leg Length
Gold	Gold	Teflon	1-1337583-0	5.7	0.8

Preferred Part

For complete product information, order Catalogue 1308830