

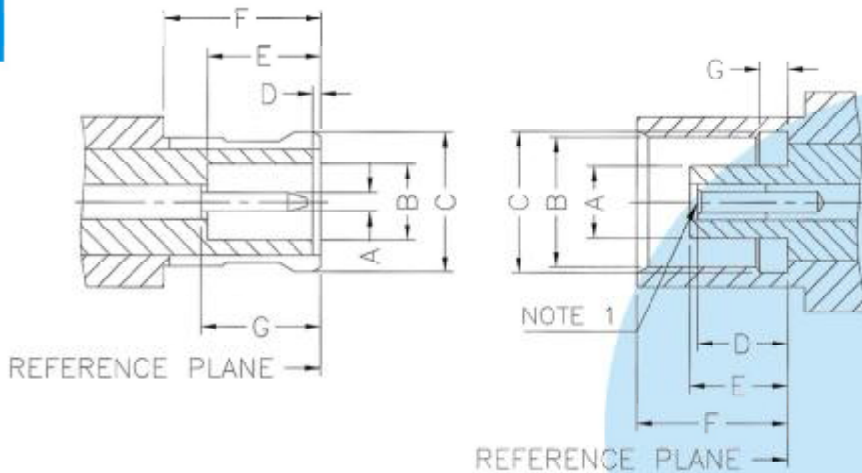
MCX Series

Songtech

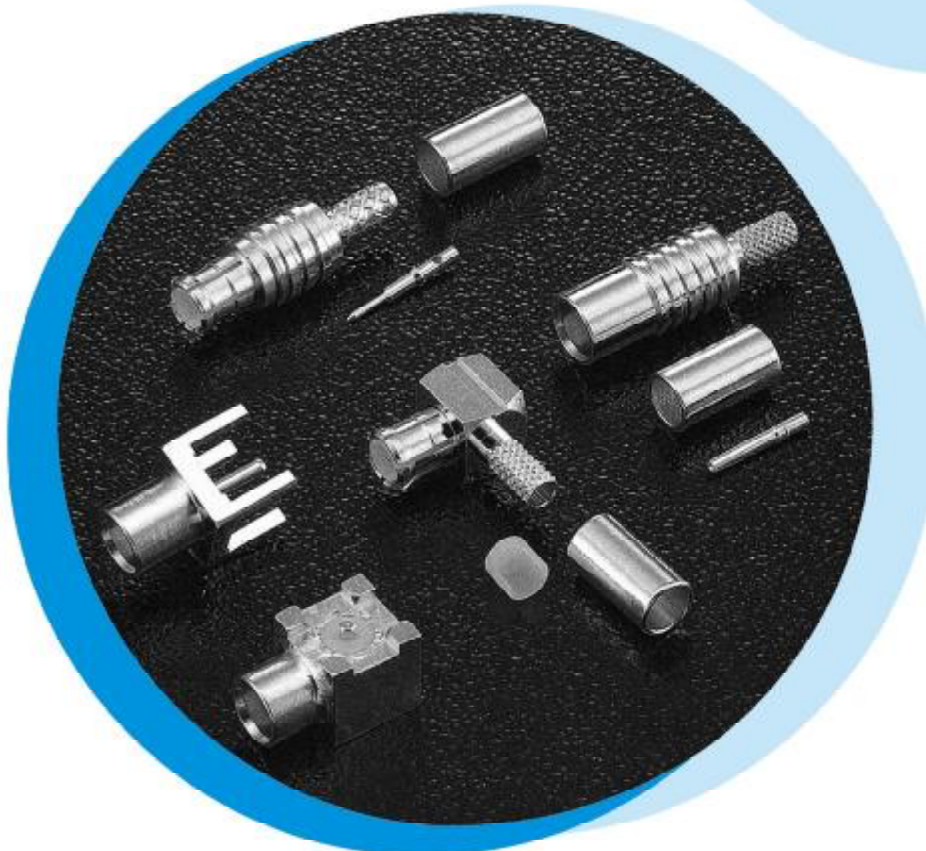
MCX miniature snap-on connectors have 50Ω impedance structure operates in a frequency range up to 6 GHz. MCX series are ideal for applications of GPS, wireless communication and test measurement.

MCX

INTERFACE MATING DIMENSIONS



NOTE 1: I.D. TO MEET VSWR AND CONTACT RESISTANCE WHEN MATED WITH 0.48/0.53 MM DIA. PIN.



PLUG		
Letter	Millimeters	
	Minimum	Maximum
A	0.48	0.53
B	2.00	2.07
C	3.66	3.76
D	0.00	0.30
E	2.81	3.20
F	4.16	-
G	2.81	3.20

JACK		
Letter	Millimeters	
	Minimum	Maximum
A	1.80	1.97
B	3.43	3.48
C	3.61	3.75
D	2.31	2.79
E	2.61	2.79
F	4.00	4.12
G	0.75	0.85

Specifications

Electrical		
Impedance		50 ohm
Frequency Range		0 - 6 GHz
Working Voltage		335 VRMS max.
Dielectric Withstanding Voltage		1000 VRMS min.
VSWR	Straight	1.3 max
	Right Angle	1.5 max
Contact Resistance	Center Contact	5 Milliohms Max.
	Outer Contact	2.5 Milliohms Max.
Insulator Resistance		1000 Megohms min.

Material		
Parts Name	Material	Finish
Body, Metal Parts	Brass per QQ-B-626	Nickel or Gold per requirement
Center Contacts	Plug: Brass per QQ-B-626	Gold
	Jack: Beryllium copper per QQ-C-530	Gold
Insulators	Teflon	None
Outer Contact of male	Beryllium copper per QQ-C-530	Gold
Crimp Ferrules	Annealed copper	Nickel or Gold per requirement

NOTE: Other Material/Finish is Available on Request.

Mechanical & Environmental	
Engagement Force	3.4 lbs. max.
Disengagement Force	4.5 lbs. max.
Contact Retention	4 lbs. min.
Durability (Mating)	500 cycles min. (for Beryllium copper jack contact only)
Temperature Range	-65° C thru 155° C
Vibration	3 cycles, 3 opposite directions, 10-150 Hz, 10-60 Hz: 0.75mm/.030 in., 60-150Hz 10G's
Temperature Shock	MIL-STD-202 Method 107
Humidity	MIL-STD-202 Method 103, Condition B.
Mechanical Shock	MIL-STD-202 Method 213, Condition B.