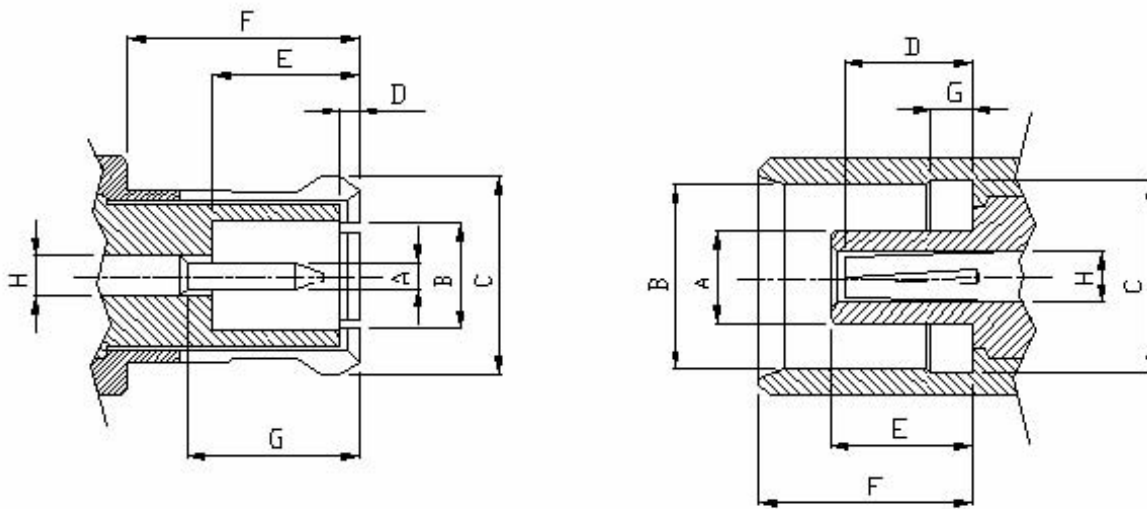


Description

MCX micro miniature connectors have an essential space reduction against SMB. MCX connectors can be used from DC to 6GHz and higher. The features are high reliability and durability as well as ease of assembly to coaxial cable.

Interface Mating Dimensions



Male					Female				
LTR.	Millimeters / Inches				LTR.	Millimeters / Inches			
	Minimum		Maximum			Minimum		Maximum	
A	Φ0.48	Φ.019	Φ0.53	Φ.021	A	Φ1.08	Φ.071	Φ1.97	Φ.076
B	Φ2.00	Φ.079	Φ2.07	Φ.081	B	Φ3.43	Φ.135	Φ3.48	Φ.137
C	Φ3.66	Φ.144	Φ3.76	Φ.148	C	Φ3.61	Φ.142	Φ3.75	Φ.148
D	0.00	.000	0.30	.012	D	2.31	.091	2.79	.110
E	2.81	.111	3.20	.126	E	2.61	.103	2.79	.110
F	4.16	.164			F	4.00	.157	4.12	.162
G	2.81	.111	3.20	.126	G	0.75	.030	0.85	.033
H	Φ0.94	Φ.037	Φ0.98	Φ.039	H				

Material / Finish:

	Material	Finish
Connector body	Brass per(QQ-B-626 or JIS-C3604B)	Nickel or gold plating
Center contact male	Brass per(QQ-B-626 or JIS-C3604B)	Gold plating
Center contact female	Beryllium copper per(QQ-C-530 or JIS-C 1730) or Phosphor bronze per(QQ-B-750 or JIS-C5441B)	Gold plating
Insulator	PTFE	None
Crimp ferrule	Annealed copper	Same as body

Electrical:

Nominal impedance	50Ω
Frequency up to	6 GHz
VSWR	1.30 max. at 1 GHz straight connector
Working voltage	250 Volts rms.
Dielectric withstanding voltage	500 Volts rms.
Insulation resistance	1000 MΩmin.
Contact resistance	Center conductor 5.0 MΩ
	Outer conductor 2.0 MΩ

Mechanical & Environmental:

Mating	Snap on coupling
Cable retention	10 lbs typical
Engage force	≤ 25N
Disengage force	5 to 25 N
Durability	≥ 500 cycles
Temperature range	-65°C to +165°C
Vibration	Per Mil-STD-202 method 204 Test Condition D
Shock	Per Mil-STD-202 method 213 Test Condition I
Corrosion	Per Mil-STD-202 method 101 Test Condition B

Material / Finish:

	Material	Finish
Connector body	Brass per(QQ-B-626 or JIS-C3604B)	Gold plating
Center contact male	Brass per(QQ-B-626 or JIS-C3604B)	Gold plating
Insulator	PTFE	None
Crimp ferrule	Annealed copper	Same as body

Electrical:

Nominal impedance	75Ω
Frequency up to	0~3 GHz
VSWR	<1.5
Working voltage	250 Volts rms.
Dielectric withstanding voltage	500 Volts rms.
Insulation resistance	1000 MΩmin.
Contact resistance	Center conductor 6.0 MΩ
	Outer conductor 2.5 MΩ

Mechanical & Environmental:

Mating	Snap on coupling
Cable retention	35N typical
Engage force	25N max.
Disengage force	5 to 25 N
Durability	≥ 500 cycles
Temperature range	-55°C to +155°C
Vibration	Per Mil-STD-202 method 204 Test Condition D
Corrosion	Per Mil-STD-202 method 101 Test Condition B

Material / Finish:

	Material	Finish
Connector Body	Brass per(QQ-B-626 or JIS-C3604B)	Gold plating
Center contact female	Beryllium copper per(QQ-C-530 or JIS-C1730)	Gold plating
Insulator	PTFE	None
Sleeve	Brass per(QQ-B-626 or JIS-C3604B)	Gold plating
Spring	Stainless steel	None

Electrical:

Nominal impedance	50Ω
Frequency up to	3.0GHz
VSWR	1.40 max. at 2.5GHz
Working voltage	100 Volts rms.
Dielectric withstanding voltage	250 Volts rms.
Insulation resistance	5000 MΩ min.
Contact resistance	center conductor 5.0 m Ω initial
	Outer conductor 3.0 m Ω initial

Mechanical & Environmental:

Mating	Snap on coupling
Durability	≥ 500 cycles
Engagement force	10 N max.
Disengagement force	5 N min.
Temperature range	-45°C to +125°C
Vibration	Per MIL-STD-202 Method 204 Test Condition D
Shock	Per MIL-STD-202 Method 213 Test Condition I
Corrosion	Per MIL-STD-202 Method 101 Test Condition B

MCX Connector



P/N:10030319

MCX(F) S/T Jack For .085 Semi-Rigid/RG-405



P/N:10030404

MCX(F) S/T Bulkhead Jack For 1.13mm



P/N:10032903

MCX(F) S/T Bulkhead Jack For 0.81mm



P/N:10031904

MCX(F) R/A Jack For 1.13mm And P.C.B Mount



P/N:10033713

MCX(F) R/A Jack For RG-174/316



P/N:13031913

MCX(F) R/A Jack For RG-174/316

MCX Connector



P/N:10030213
MCX(M) S/T Plug For RG-174/316



P/N:10033310
MCX(M) S/T Plug For RG-179(75 Ohm)



P/N:10030113
MCX(M) R/A Plug For RG-174/316



P/N:10032809
MCX(F) S/T R/P Bulkhead Jack For RG-178



P/N:10030613
MCX(M) S/T R/P Plug For RG-174/316



P/N:10030524
MCX(M) R/A R/P Plug For LMR-200

MCX Connector



P/N:10030210

MCX(M) S/T Plug For RG-179(75 Ohm)



P/N:10031534

MCX(F) S/T Jack For P.C.B Mount



P/N:10031034

MCX(F) S/T Jack For P.C.B Mount



P/N:10031234

MCX(F) R/A Jack For P.C.B Mount



P/N:10030734

MCX(M) S/T Plug For P.C.B Mount

MCX Connector



P/N:10032734
MCX(F) S/T Jack For Edge Mount



P/N:10032634
MCX(F) S/T Jack For Edge Mount

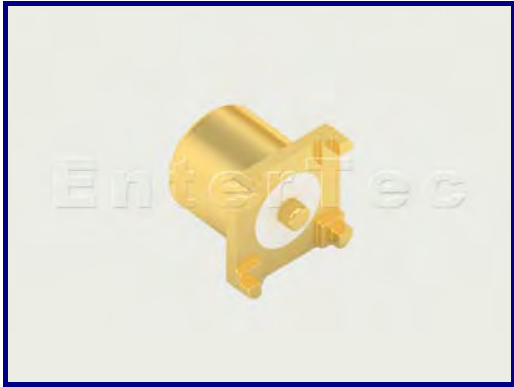


P/N:10030934
MCX(F) S/T Jack For Edge Mount

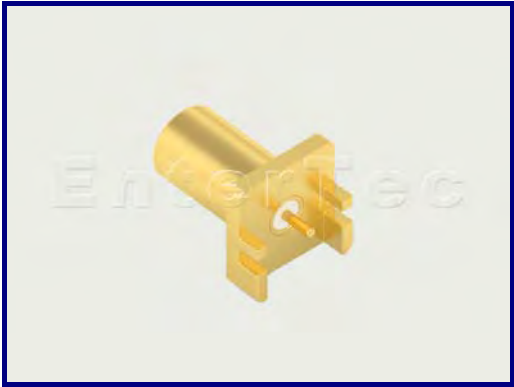


P/N:22032134
MCX(F) S/T Jack For Edge Mount(75 Ohm)

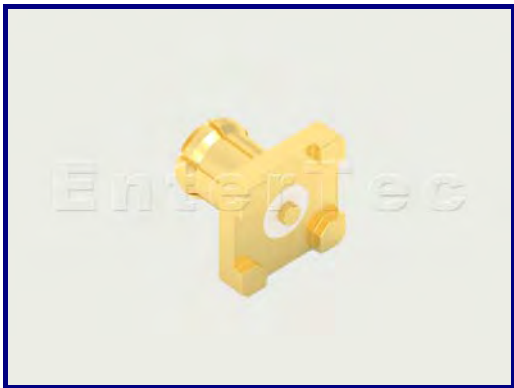
MCX Connector



P/N:10031334
MCX(F) S/T Jack For SMT



P/N:10031134
MCX(F) S/T Jack For SMT



P/N:10032034
MCX(M) S/T Plug For SMT



P/N:10033134
MCX(F) S/T Jack Switch



P/N:10033234
MCX(F) S/T Jack Switched Edge Card Receptacle