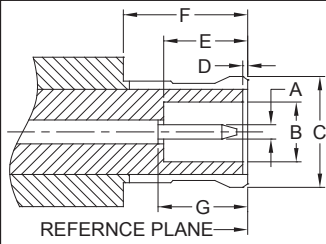


RF Connectors

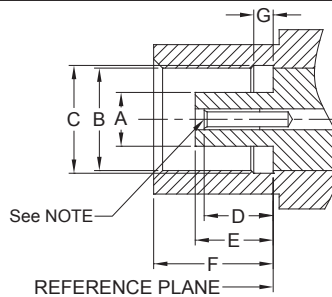
MCX Series



These MCX miniature snap-on connectors with 50Ω impedance operate in a frequency range up to 6 GHz. The MCX series is an ideal solution for GPS, wireless communications and test/measurement applications.



Dimension	PLUG 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



Dimension	JACK 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

PLUG

JACK

NOTE

In order to meet the VSWR and CR values as specified, the inner hole diameter needs to be mated with a 0.48/0.53mm dia. pin.

Electrical

Impedance		50 Ω
Frequency Range		0 - 6 GHz
Working Voltage		335 V rms max.
Dielectric Withstanding Voltage		1000 V rms min.
VSWR	Straight	1.3 max.
	Right Angle	1.5 max.
Contact Resistance	Center Contact	5 mΩ max.
	Outer Contact	2.5 mΩ max.
Insulator Resistance		1000 MΩ min.

Material

Parts Name	Material	Finish
Body, Metal Parts	Brass per QQ-B-626	Gold 0.07μm (3 μ")
Center Contacts	Male: Brass per QQ-B-626	Gold 0.75μm (30 μ")
	Female: Beryllium copper per QQ-C-530	Gold 0.75μm (30 μ")
Insulators	Teflon	None
Outer Contact of Plug	Beryllium copper per QQ-C-530	Gold 0.07μm (3 μ")
Crimp Ferrules	Annealed Brass	Gold 0.07μm (3 μ")

NOTE: Other materials and platings are available on request.

Mechanical & Environmental

Engagement torque	15 N max.
Disengagement torque	20 N max.
Contact Retention	18 N min.
Durability(Mating)	500 cycles min. (for Beryllium copper female contact only)
Temperature Range	-65°C to +155°C
Vibration	3 cycles, 3 opposite directions, 10-150 Hz, 10-60 Hz:0.75mm/.03", 60-150 Hz 10G
Temperature Shock	MIL-STD-202 Method 107
Humidity	MIL-STD-202 Method 103, Condition. B.
Mechanical Shock	MIL-STD-202 Method 213, Condition. B.

How to order

RF X - MC X - XX X 5 xx - 58

Gender

P = Plug
J = Jack

Orientation

R = Right Angle
S = Straight

Mounting Type / Adaptor Type

B1 = THT Board Mount
C1 = Crimp Cable
other types on request

Detail

N = Not defined
others on request

Cable Group / Receptacle Type

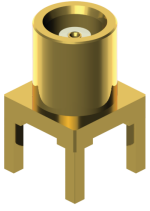
Code allocated
by E-tec

RF Connectors

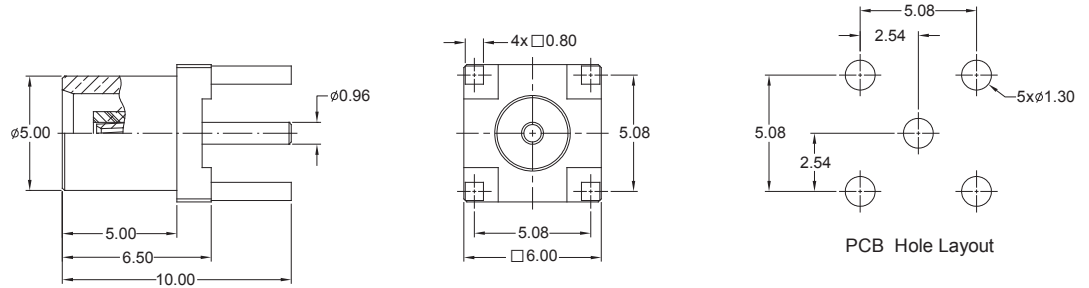
MCX Series



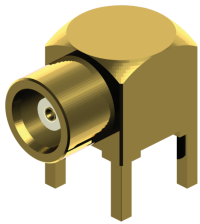
STRAIGHT THT JACK



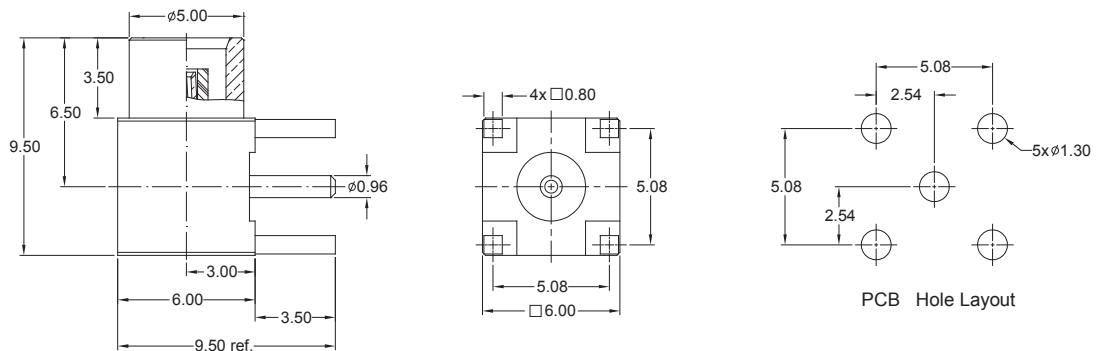
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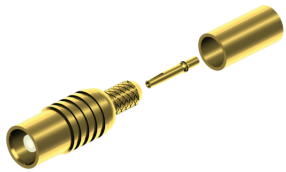
R/A THT JACK



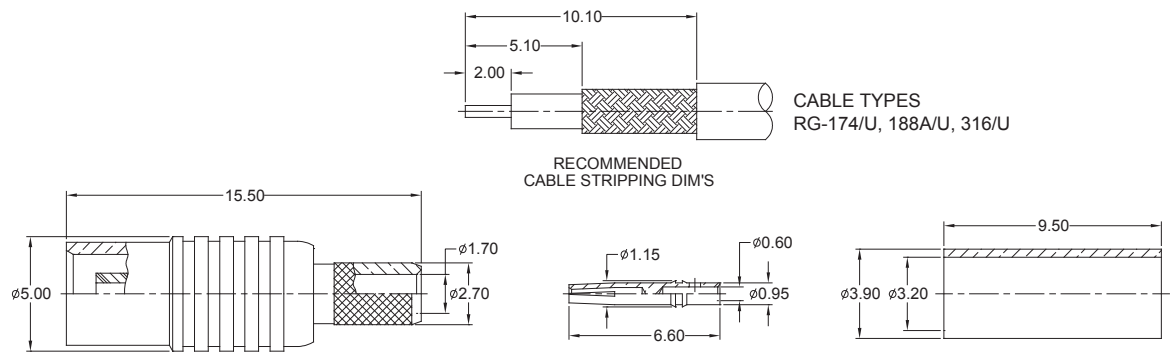
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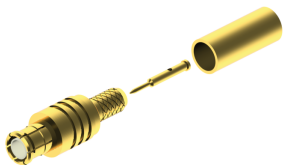
CRIMP JACK



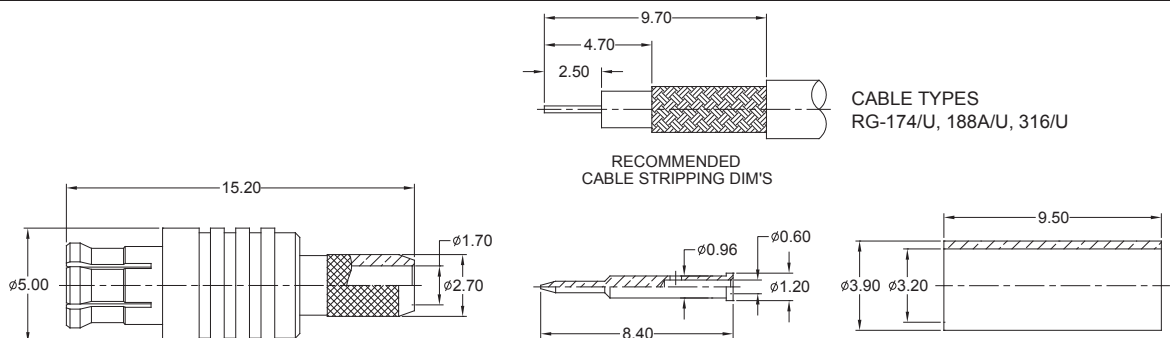
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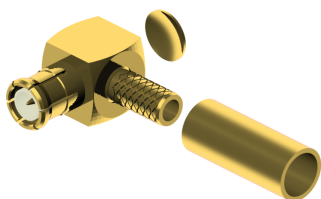
CRIMP PLUG



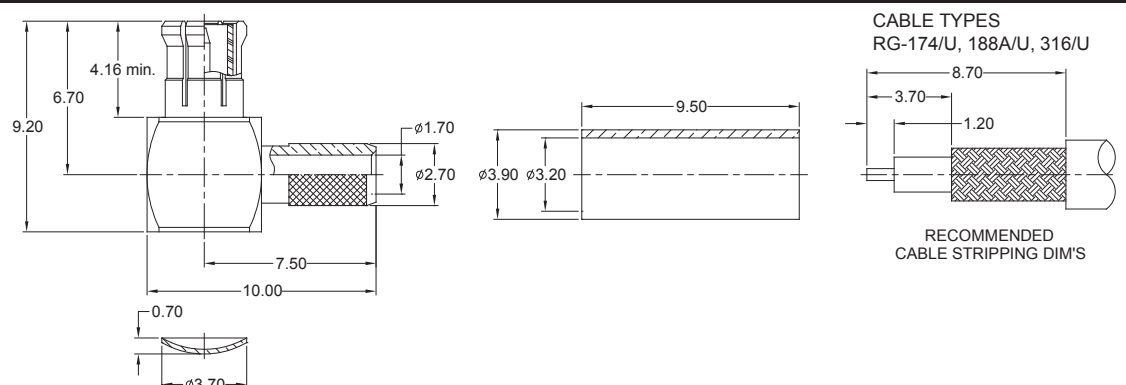
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R/A CRIMP PLUG



Order Code
RFP-MCR-C1N502-58



Other MCX types available on request