

MMCX Series

MMCX

MMCX series is for use where the small dimensions have to be achieved. It's supplied with a snap on interface like SMB connectors, but in size is 45% smaller. The impedance of MMCX is controlled at 50 ohms, and it can be operated up to the frequencies of 6GHz. The MMCX connector is suitable for the standard ranges of flexible & semi-rigid cables, and it is also available as a PCB mounted version.

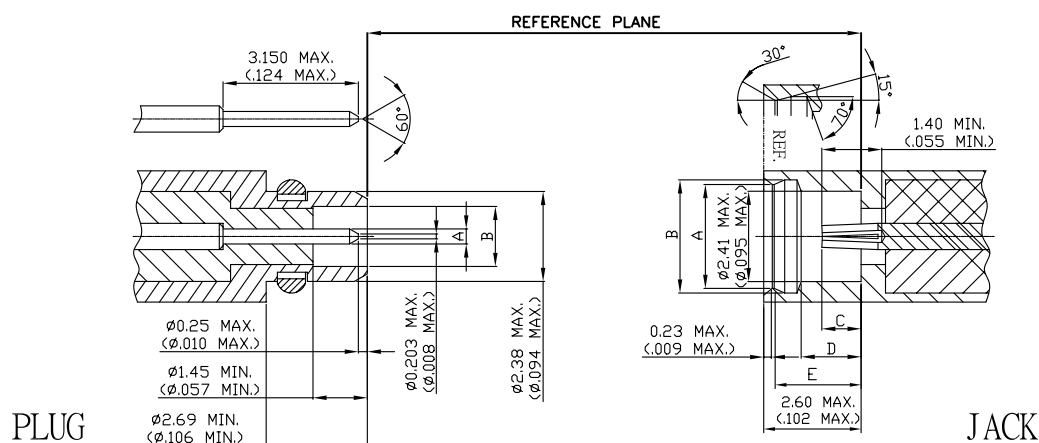
Applications:

*antennas *wireless LANs *PCMCIA cards *instrumentation *GPS *cellular telephones
 *satellite reception terminals *radio boards *RF test ports *broadband communications
 *base stations

Interface dimensions conformable to the Standards:

European: CECC 22340

MMCX 50Ω Interface Dimensions:



MMCX Series					
PLUG			JACK		
	Minimum	Maximum	Minimum	Maximum	
A	0.38(.015)	0.43(.017)	2.87(.113)	2.90(.114)	A
B	1.57(.057)	1.63(.064)	3.00(.118)	3.05(.120)	B
			0.89(.035)	1.20(.047)	C
			1.57(.062)	1.63(.064)	D
			2.30(.091)	2.34(.092)	E

*Millimeters(Inches)



Materials :

Connector part	Material	Finish
Bodies	Brass	Nickel or Gold
Center Contact	Male: Brass Female: Beryllium copper	Gold
Insulator	Teflon	N/A
Crimp ferrule	Annealed copper	Nickel or Gold

Electrical :

Electrical Data	Detail
Impedance	50 ohm
Frequency range	0~6 GHz
Working voltage	170 volts rms max. at sea level
Insulation resistance	1,000 megohms min.
Dielectric withstanding voltage	500 volts rms min. at sea level
Contact resistance	Center contact: 5 milliohms max. Outer contact: 2.5 milliohms max.
VSWR	Straight: 1.3 max. Right angle: 1.5 max.
Insertion loss	0.2 dB max. at 1 GHz (straight) 0.3 dB max. at 1 GHz (right angle)

Mechanical :

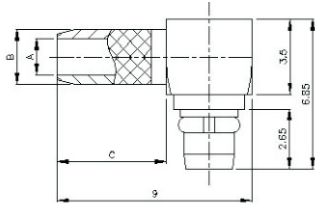
Mechanical Data	Detail
Engagement force	3.4 lbs max.
Disengagement force	1.4 lbs ~ 3.4 lbs
Connector durability	500 cycles min.
Cable retention force	RG174, 188, 316/U → 20 lbs min. RG178/U → 6 lbs min.

Environmental :

Environmental Data	Detail
Corrosion (Salt spray)	MIL-STD-202 METHOD 101 TEST CONDITION B
Thermal shock	MIL-STD-202 METHOD 107 TEST CONDITION F
Vibration	MIL-STD-202 METHOD 204 TEST CONDITION C
Temperature range	-65 to 165

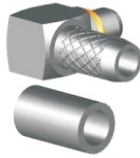
MMCX RIGHT ANGLE PLUG FOR CABLE TYPE

CRIMP FOR FLEXIBLE CABLE

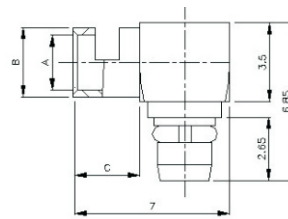


PART NUMBER:

MMCX-01LV5-TGG(-RP) RD-316/U
MMCX-01LV1-TGG(-RP) RG-174,316
MMCX-01M-TGG(-RP) RG-178/U
MMCX-01U-TGG(-RP) 1.30MM CAE

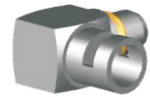


SOLDER FOR SEMI-RIGID CABLE



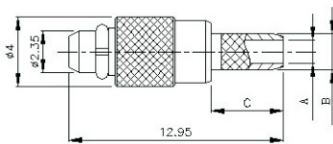
PART NUMBER:

MMCX-01V1-TGG(-RP) RG-405/U(.085")
MMCX-01V3-TGG(-RP) M17/151(.047")



MMCX STRAIGHT PLUG FOR CABLE TYPE

CRIMP FOR FLEXIBLE CABLE

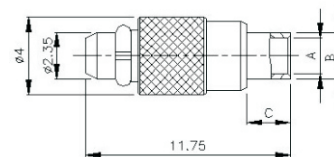


PART NUMBER:

MMCX-02LV5-TGG(-RP) RD-316/U
MMCX-02LV1-TGG(-RP) RG-174,316
MMCX-02M-TGG(-RP) RG-178/U
MMCX-02U-TGG(-RP) 1.30MM CAE



SOLDER FOR SEMI-RIGID CABLE



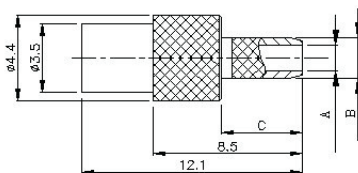
PART NUMBER:

MMCX-02V1-TGG(-RP) RG-405/U(.085")
MMCX-02V3-TGG(-RP) M17/151(.047")



MMCX STRAIGHT JACK FOR CABLE TYPE

CRIMP FOR FLEXIBLE CABLE

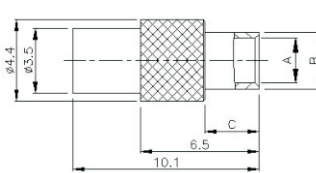


PART NUMBER:

MMCX-06LV5-TGG(-RP) RD-316/U
MMCX-06LV1-TGG(-RP) RG-174,316
MMCX-06M-TGG(-RP) RG-178/U
MMCX-06U-TGG(-RP) 1.30MM CAE



SOLDER FOR SEMI-RIGID CABLE



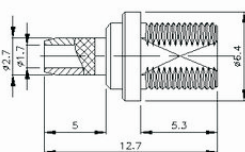
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MMCX-06V1-TGG(-RP) RG-405/U(.085")
MMCX-06V3-TGG(-RP) M17/151(.047")



MMCX STRAIGHT BULKHEAD JACK FOR CABLE TYPE

CRIMP FOR FLEXIBLE CABLE

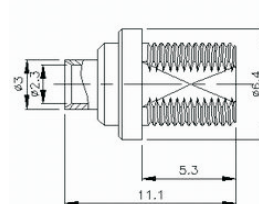


PART NUMBER:

MMCX-16LV5-TGG(-RP) RD-316/U
MMCX-16LV1-TGG(-RP) RG-174,316
MMCX-16M-TGG(-RP) RG-178/U
MMCX-16U-TGG(-RP) 1.30MM CAE



SOLDER FOR SEMI-RIGID CABLE



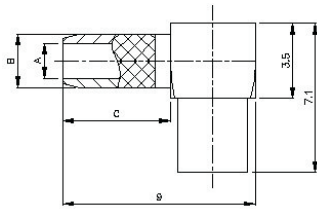
PART NUMBER:

MMCX-16V1-TGG(-RP) RG-405/U(.085")
MMCX-16V3-TGG(-RP) M17/151(.047")

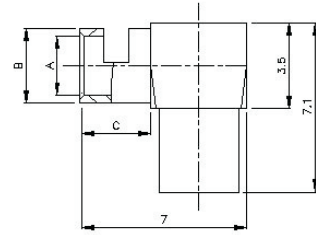
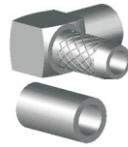




MMCX RIGHT ANGLE JACK FOR CABLE TYPE



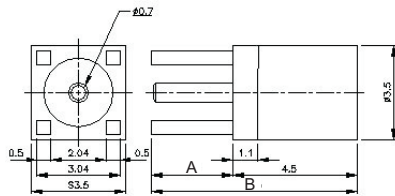
PART NUMBER:
 MMCX-14LV5-TGG(-RP) RD-316/U
 MMCX-14LV1-TGG(-RP) RG-174,316/U
 MMCX-14M-TGG(-RP) RG-178/U
 MMCX-14U-TGG(-RP) 1.30MM CABLE



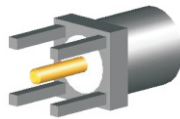
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 MMCX-14V3-TGG(-RP) M17/151(.047")



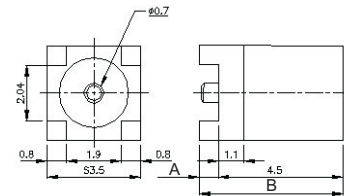
MMCX STRAIGHT JACK PCB MOUNT



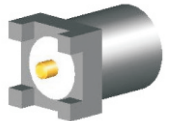
PART NUMBER: A B
 MMCX-03 -TGG(-RP) 3 7.5
 MMCX-03V7-TGG(-RP) 2.2 6.7



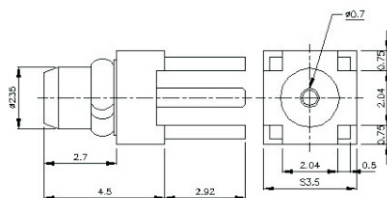
SURFACE MOUNT



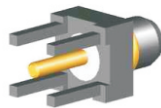
PART NUMBER: A B
 MMCX-03V4 -TGG(-RP) 0.7 5.2
 MMCX-03V6-TGG(-RP) 0.45 4.95



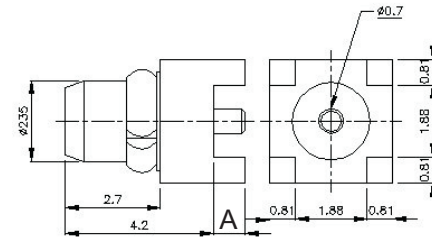
MMCX STRAIGHT PLUG PCB MOUNT



PART NUMBER:
 MMCX-07 -TGG



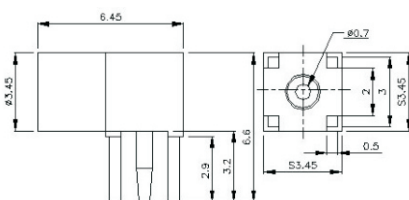
SURFACE MOUNT



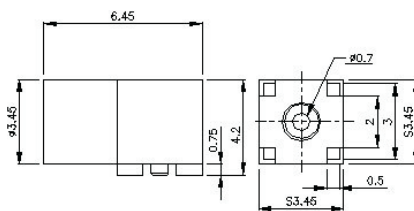
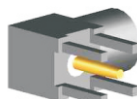
PART NUMBER: A
 MMCX-07V4 -TGG 0.75
 MMCX-07V5-TGG 0.45



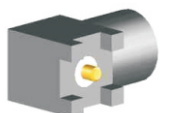
MMCX RIGHT ANGLE JACK PCB MOUNT



PART NUMBER:
 MMCX-04 -TGG

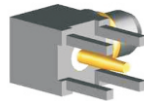
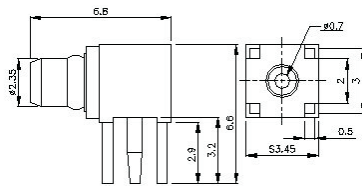


PART NUMBER:
 MMCX-04V6 -TGG

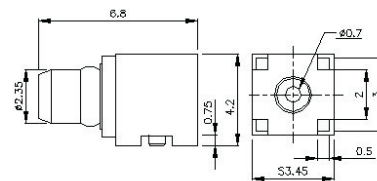


MMCX

MMCX RIGHT ANGLE PLUG PCB MOUNT

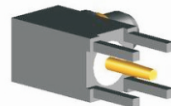
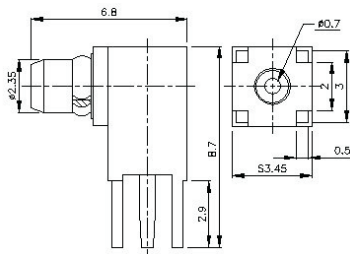


PART NUMBER:
MMCX-11-TGG(-RP)



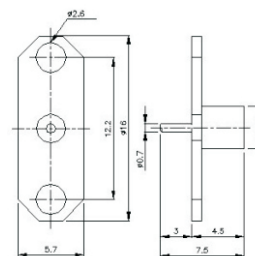
PART NUMBER:
MMCX-11V4-TGG(-RP)

MMCX STRAIGHT JACK PCB MOUNT



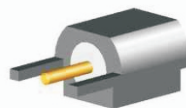
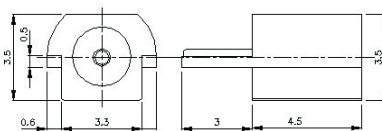
PART NUMBER:
MMCX-11V5-TGG(-RP)

2 HOLES FLANGE MOUNT



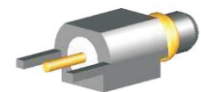
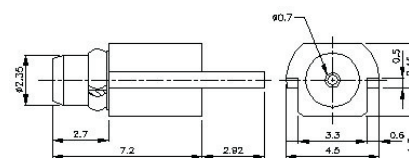
MMCX EDGE MOUNT RECEPTACLE

JACK



PART NUMBER:
MMCX-05-TGG(-RP)

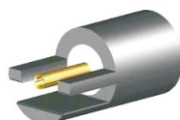
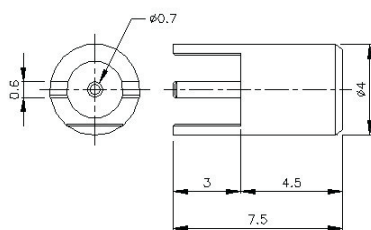
PLUG



PART NUMBER:
MMCX-10-TGG(-RP)

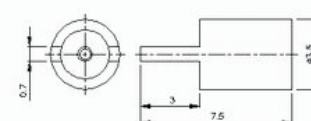
MMCX JACK PCB MOUNT RECEPTACLE

END LAUNCH



PART NUMBER:
MMCX-12-TGG

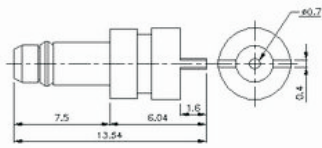
EDGE MOUNT



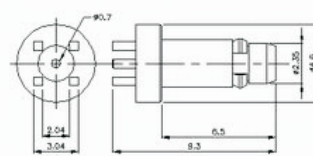
PART NUMBER:
MMCX-03V5-TGG



MMCX STRAIGHT PLUG PCB MOUNT

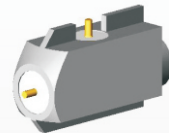
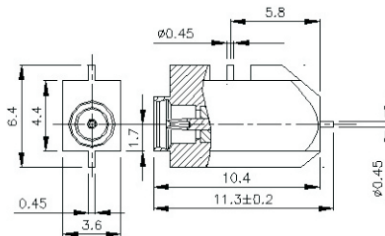


PART NUMBER:
MMCX-17-TGG(-RP)



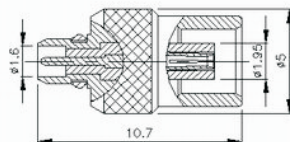
PART NUMBER:
MMCX-18-TGG(-RP)

MMCX STRAIGHT JACK SWITCH-EDGE-CARD FOR SMT

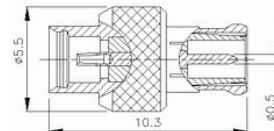


PART NUMBER:
MMCX-19-TGG
MMCX-19-TGG-RP

MMCX PLUG - MCX JACK ADAPTOR MMCX JACK - MCX PLUG ADAPTOR

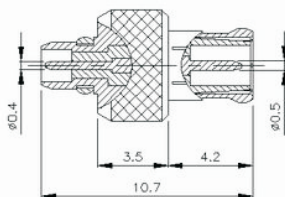


PART NUMBER:
MMCX-20-TGG

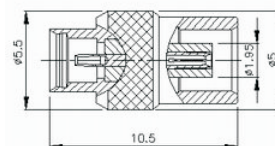


PART NUMBER:
MMCX-21-TGG

MMCX PLUG - MCX PLUG ADAPTOR MMCX JACK - MCX JACK ADAPTOR



PART NUMBER:
MMCX-22-TGG



PART NUMBER:
MMCX-23-TGG

MMCX