

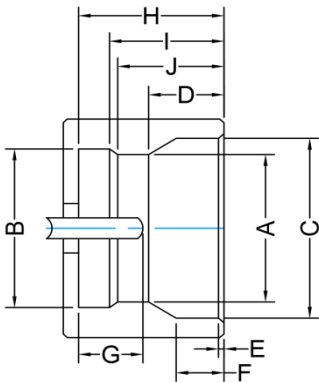
SMP Connector

The SMP interface is a sub-miniature interface in the same scale as MMCX connectors but offers a frequency range of DC to 40 GHz. It is commonly used in miniaturized high frequency coaxial modules and is offered in both push-on and snap-on mating styles.

KeMy Electronic manufacture full series RF SMP connector, both jack and plug, straight and right angle, it has SMP cable type, SMP for PCB mount and SMP adaptor.

Interface Mating Dimensions

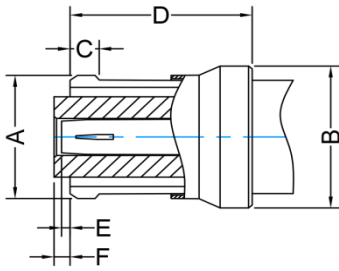
Male



Male Pin Connector (unit: mm)		
LTR.	Min.	Max.
A	2.90	3.00
B	3.15	3.23
C	3.55	3.65
D	1.40	1.45
E	0.08	0.18
	0.84	0.94
	0.89	1.78
	2.75	2.85
	2.18	2.28
	1.98	2.08
	1.40	1.45

Note: Dim. B for full detent

Female



Female Pin Connector (unit: mm)		
LTR.	Min.	Max.
A	-	3.43
B	-	3.70
C	0.64	0.89
D	3.40	-
E	-0.12	0.00
F	-0.12	0.00

Technical Data

Major Characteristics		
Impedance		50Ω
Frequency Range		DC~12GHz
Working Voltage		250V r.m.s. @ sea level
Withstanding Voltage		500V r.m.s. @ sea level
Contact Resistance	Center Contact	≤ 6mΩ
	Outer Contact	≤ 1.5mΩ
Insulation Resistance		≥ 5000MΩ
Center Conductor Retention Force		≥ 0.57N
Voltage Standing Wave Ratio		≤ 1.25 @ 6GHz
		≤ 1.50 @ 12GHz
Mating		Snap on coupling
Temperature Range		-55~+155°C (PE Cable -40~+85°C)
Durability		≥ 500 cycles

Material & Plating			
Body		Brass, Beryllium Copper	Gold Plated
Center Contact	Male	Brass	Gold Plated
	Female	Beryllium Copper	Gold Plated
Insulator		PTFE	Natural

Quality Standard, Comply to Following

MIL-STD-202

RoHS



SMP Male Contact Straight Jack

Cable	Part number
RG178 RG196	KM-011201-178
RG174 RG188 RG316 LMR100	KM-011201-316
.047 semi rigid	KM-011201-047
.085 semi rigid RG405	KM-011201-085



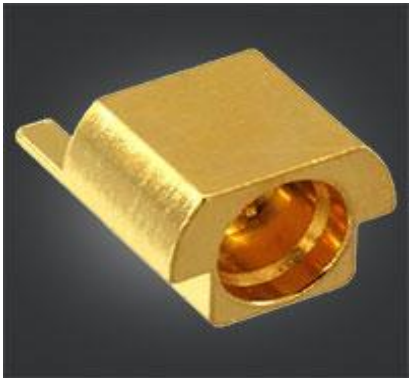
SMP Female Contact Straight Plug

Cable	Part number
RG178 RG196	KM-011202-178
RG174 RG188 RG316 LMR100	KM-011202-316
.047 semi rigid	KM-011202-047
.085 semi rigid RG405	KM-011202-085



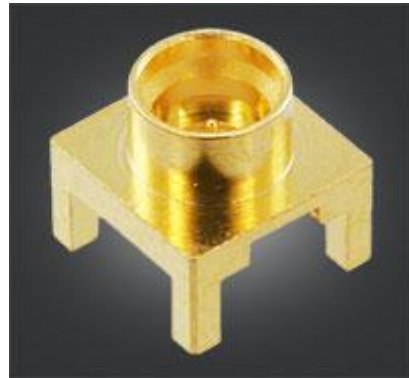
SMP Female Contact R/A Plug

Cable	Part number
RG178 RG196	KM-011206-178
RG174 RG188 RG316 LMR100	KM-011206-316
.047 semi rigid	KM-011206-047
.085 semi rigid RG405	KM-011206-085



SMP Male Straight Jack for Edge Mount, with Horizontal Pin

Part Number: KM-011203



SMP Male Contact Straight Jack for PCB mount

Part Number: KM-011205