# **Amphenol**

### SMP 50Ω Microwave Coaxial Connectors thru 40GHz Also available SMPM (Mini SMP)

An Interconnect solution for high frequency, high data rate applications. In the same scale as the MMCX, this push-on or snap-on system offers superior performance. Normally a Cable to Board application which, with a 'bullet float' adapter can be used in Board to Board applications. The Board to Board solution is unique in that one side can use a snap-on configuration to hold the adapter in place while the push-on configuration is employed for the mating side.

**Electrical** 

Contact Current

Impedance - 500 Frequency Range - DC-40GHz **VSWR** - <1.5 (DC-20GHz) - 0.1dB max @ 1GHz Insertion Loss Working Voltage - 335Vrms

**Materials** 

Female Body - Gold over Brass Male Body - Gold over Beryllium Copper

Pin Contact - Gold over Brass Socket Contact - Gold over Beryllium Copper

Insulator - PTFF Crimp Sleeve - Copper Alloy **Features and Benefits** 

Push-on or Snap-on

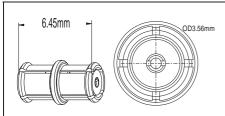
Accommodates Axial or Radial Misalignment Temperature - -65°C ~ 155°C - 100 with Detent Cycles Durability

- >500 Limited Detent

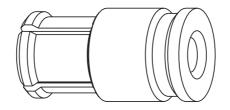
Description .047 Semi Rigid

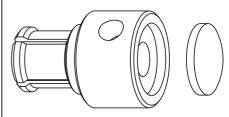
#### **Applications**

Aerospace, Routers, Broadband, Telecom and Instruments



- 1.2A DC max



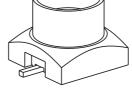


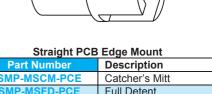
**Bullet (Jack to Jack)** Part Number Description SMP-FSBA-645 6.45mm 990 - 9.9mm/145 - 14.5mm/224 - 22.4mm

Straight Jack		Right Angle Jack		
Part Number	Description	Part Number	Descrip	
SMP-FS-C06	.047 Semi Rigid	SMP-FR-C06	.047 Ser	
SMP-FS-C07	.086 Semi Rigid	SMP-FR-C07	.086 Ser	









_					
Straight PCB Thru-Hole Plug		Straight SMT Plug		Straight PCB Edge Mount	
Part Number	Description	Part Number	Description	Part Number	Description
SMP-MSCM-PCT	Catcher's Mitt	SMP-MSCM-PCS	Catcher's Mitt	SMP-MSCM-PCE	Catcher's Mitt
SMP-MSFD-PCT	Full Detent	SMP-MSFD-PCS	Full Detent	SMP-MSFD-PCE	Full Detent
SMP-MSLD-PCT	Limited Detent	SMP-MSLD-PCS	Limited Detent	SMP-MSLD-PCE	Limited Detent
SMP-MSSB-PCT	Smooth Bore	SMP-MSSB-PCS	Smooth Bore	SMP-MSSB-PCE	Smooth Bore

### QMA 50Ω Quick Disconnect Snap-on Version of SMA

Same internal construction as SMA. Innovative coupling mechanism maintains a 360° butt-joint with low RF leakage

**Electrical** Impedance - 50Ω - DC-6GHz Frequency Range **VSWR** - -25dB @ 1GHz RF Leakage - 80dB min DC-3GHz - > 32dB DC-3GHz Return Loss

Working Voltage - 335 Vrms **Materials** 

Body - White Bronze over Brass - Gold over Brass Solder Body Pin Contact - Gold over Brass Socket Contact - Gold over Beryllium Copper

Insulator - PTFE

Crimp Ferrule - White Bronze over Copper

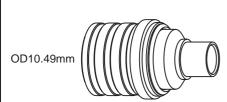
**Features and Benefits** 

360° Rotatable

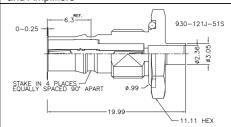
Temperature - -40°C ~ 80°C Durability - 100 Cycles

#### **Applications**

Base Station Equipment, Cable Assemblies and Amplifiers







Ctusinglet Diver	

RG58

**RG316** 

.141 Semi Rigid

.086 Semi Rigid

Straight Plug Description Part N

Right Angle Plug		Straight Bulkhead Jack		
Part Number	Description	Part Number	Description	
930-103P-51A	.141 Semi Rigid	930-121J-51S	.086 Semi Rigid	
930-104P-51A	.086 Semi Rigid	930-122J-51S	.141 Semi Rigid	
930-110P-51A	RG58	930-124J-51S	RG58	
930-114P-51A	RG316	930-125J-51S	RG316	

**Part Number** 

930-108P-51S

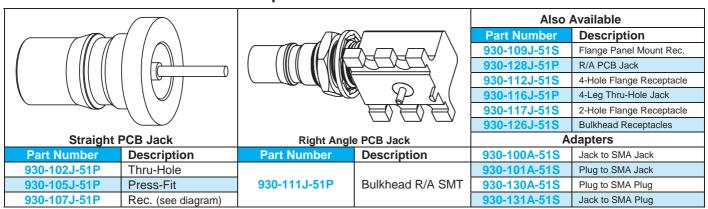
930-119P-51S

930-120P-51S

# **Amphenol**

### RF Interconnects

### QMA 50Ω Quick Disconnect Snap-on Version of SMA Continued



#### SSMB 50Ω Micro-miniature Snap-on System

Provides an excellent alternative for the SMA in a smaller package and quick termination.

Materials

,	VSWR - 1. RF Leakage8	0Ω C-12.4GHz .05 DC – 3GHz 80dB DC-3GHz 25 Watts @ 40°C	Solder Body - Gold of Pin Contact - Gold of Socket Contact - Gold of Outer Contact - White Insulator - PTFE	Bronze over Copper	Light-weight Temperature Durability  Applications Base Stations, Instr Control, Cable asse Telecom, Compone	65°C ~ 165°C - 500 Cycles umentation, Process emblies, Mil-Aero,
	Diagram no at the time	of printing	Diagram no at the time		at the tim	not available e of printing
	Strain	nt Dirici				
		nt Plug Description				
	Part Number 904-110P51SX 904-114P51SX	Description RG316 RG179	Part Number 904-111P-51AX 904-115P-51AX	Description RG316 RG179	Part Number 904-116J-51SX	Description RG196
	Part Number 904-110P51SX 904-114P51SX Diagram no at the time	RG316 RG179 t available of printing	Part Number 904-111P-51AX 904-115P-51AX  ***********************************	Description RG316 RG179	Part Number  904-116J-51SX  90.9 4-91 PCB MOUNTING HOLE	Description RG196
	Part Number 904-110P51SX 904-114P51SX Diagram no at the time	RG316 RG179	Part Number 904-111P-51AX 904-115P-51AX  ***********************************	Description RG316 RG179	Part Number  904-116J-51SX  90.9 4-91 PCB MOUNTING HOLE	Description RG196

### Mini SMB 75Ω Snap-on

Die-cast solution for low-cost non critical applications. Hex Crimp/Solder Termination.

#### Electrical

**Electrical** 

 $\begin{array}{lll} \text{Impedance} & -75\Omega \\ \text{Frequency Range} & -DC\text{-}2\text{GHz} \\ \text{VSWR} & -1.33 \text{ max} \\ \text{RF Leakage} & -55dB @ 2\text{GHz} \\ \end{array}$ 

Materials Body

Body - Gold over Brass
Centre Contact - Nickel over Brass

#### **Features and Benefits**

Temperature - -65°C ~ 165°C Durability - 500 Cycles

For Telecoms, Switch Equip and Networking

Straight Jack for RG179/187 & Belden 9221

Part Number 903-600P-71S

Part Number 903-586P-71A

Straight PCB Plug

Part Number 903-581J-71P

Part Number 903-601J-71P

Features and Benefits

## **X-ON Electronics**

Largest Supplier of Electrical and Electronic Components

Click to view similar products for RF Adapters - In Series category:

Click to view products by Amphenol manufacturer:

Other Similar products are found below:

5916-1103-603 5918-1103-000 5919-1503-000 651A505 82-5552 9030-9523-502 A0407000 R114703000W R125704000 R125771001

R141710000W R141723161 R141730000 R143730700 R143770000 R161703000W R161730000 R161753000W R161791530W

R201705000 R222705200 R222M40010W R223703180 R316754000 R405006000 R443162000 AD78TL HRM-513S 1996352-2

2157155-1 252169-75 AD158 2101130-1 252186 R114704000W R114720000W R125705001 R125705701 R125771000 R125771001W

R125791501W R127704001 R127.870.001 R127872001 R141717000 R142710000 R142723000 R143703000 R143704000 R143705700