



SMP SERIES

50Ω SMP JACKS/PLUGS & ADAPTER

Mates with:
RF405, BE25M, BE25S,
RF25M, RF25S

SPECIFICATIONS

For complete specifications see
www.samtec.com?SMP-TH,
www.samtec.com?SMP-EM,
www.samtec.com?SMP-B or
www.samtec.com?SMP-CA

Shell Material:
Au plated Brass (-TH2, -EM3)
Au plated BeCu (-J-B, -J-C)

Contact Material:
BeCu

Insulator Material:
PTFE

Impedance: 50Ω

Frequency Range:
DC to 40 GHz

V.S.W.R.:
1.15: 1 max to 26.5 GHz,
1.5: 1 max to 40 GHz

Working Voltage:
500 Vrms min

Dielectric Withstanding:
500 Vrms min

Contact Resistance:
Center Contact: 6mΩ max
Outer Contact: 2mΩ max

Insulator Resistance:
5000 MΩ min

Engagement Force:
-PF: 15 lbs. max
-PL: 10 lbs. max
-PS & -PC: 2 lbs. max

Disengagement Force:
-PF: 2 lbs. min
-PL: 2 lbs. min
-PS & -PC: 0.5 lbs. min

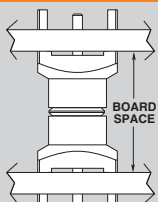
Operating Temperature:
-65°C to +165°C

RoHS Compliant: Yes

Processing:
Lead-Free Solderable: Yes

SMP	GENDER	TYPE	PLATING	ORIENTATION	TERMINATION
		-P = PCB Mount	-HG = 30μ" (0,76μm) Gold center contact, 10μ" (0,25μm) Gold outer contact -GF = 10μ" (0,25μm) Gold center contact, Gold Flash outer contact	-ST = Straight	-TH2 = Through-hole -EM3 = Drop-in Edge Mount (N/A with -PC)
		-PF = Plug, Full Detent -PL = Plug, Limited Detent -PS = Plug, Smooth Bore -PC = Plug, Catcher's Mitt			
		<p>-PF/-PL/-PS-TH2</p>		<p>-PC-TH2</p>	
				<p>-EM3</p>	

APPLICATION



LENGTH	BOARD SPACE
-0645	(9,05) .356
-1450	(17,10) .673

APPLICATION SPECIFIC OPTION

Other Lengths available.
Call Samtec.

SMP	J	TYPE	PLATING	ORIENTATION	BULLET LENGTH	CABLE END
		-B = Bullet Adapter -C = Cable End	-HG = 30μ" (0,76μm) Gold center contact, 10μ" (0,25μm) Gold outer contact -GF = 10μ" (0,25μm) Gold center contact, Gold Flash outer contact	-ST = Straight -RA = Right Angle (N/A with -B)	Leave blank for cable end -0645 = 6,45mm (.254") -1450 = 14,50mm (.571")	Leave blank for bullet type -CA7 = CCA-405 Semi-Flexible cable (24 AWG) -CA5 = CCA-25M Microwave cable (25 AWG) -CS5 = MWC-2550-01 cable (25 AWG)
		<p>-0645</p>		<p>-ST-CXX</p>		<p>-RA-CXX</p>

Due to technical progress, all designs, specifications and components are subject to change without notice.

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