



SMP



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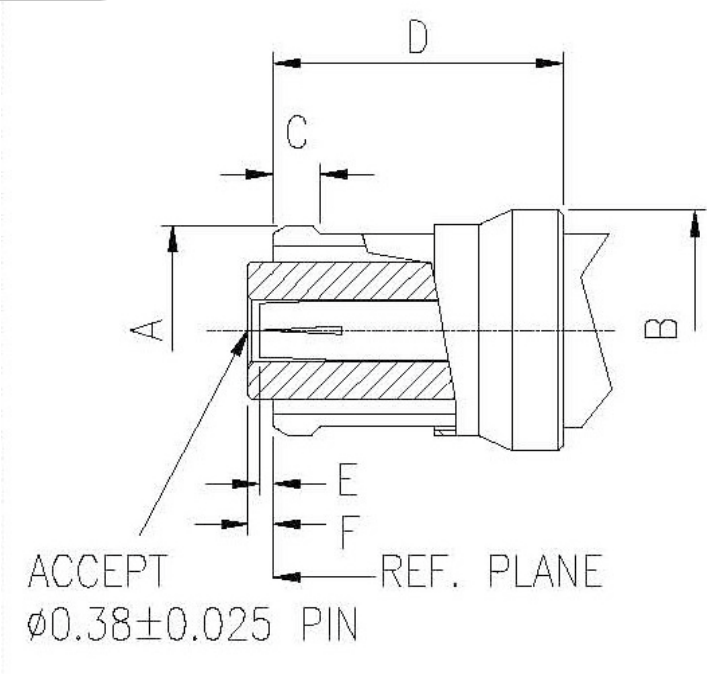
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SMP - Description

Aliner SMP connectors are designed for high density mounting packaging. The low profile design of SMP connectors permit module mounting with a center-to-center dimension as low as possible. Aliner SMP series provides 3 levels of retention by the male contact - smooth bore, limited detent and full detent.

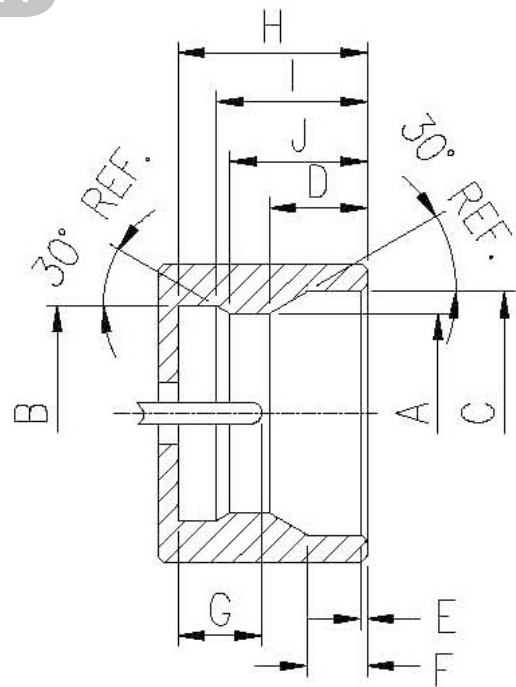
Interface Mating Dimensions

MALE :



LTR.	Millimeters / Inches			
	MINIMUM		MAXIMUM	
A -			$\varnothing 3.43$	$\varnothing .135$
B -			$\varnothing 3.70$	$\varnothing .145$
C -	0.64	.025	0.89	.035
D -	3.40	.132		
E -	-0.12	-.005	0.00	.000
F -	-0.12	-.005	0.00	.000

FEMALE :



LTR.	Millimeters / Inches			
	MINIMUM		MAXIMUM	
A -	$\varnothing 2.90$	$\varnothing .114$	$\varnothing 3.00$	$\varnothing .118$
B -	$\varnothing 3.15$	$\varnothing .124$	$\varnothing 3.23$	$\varnothing .127$
C -	$\varnothing 3.55$	$\varnothing .140$	$\varnothing 3.65$	$\varnothing .144$
D -	$\varnothing 1.40$	$\varnothing .055$	$\varnothing 1.45$	$\varnothing .057$
E -	0.08	.003	0.18	.007
F -	0.84	.033	0.94	.037
G -	0.89	.035	1.78	.070
H -	2.75	.108	2.85	.112
I -	2.18	.086	2.28	.090
J -	1.98	.078	2.08	.082
K -	1.40	.055	1.45	.057

NOTE: DIM B FOR FULL DETENT



Technical Data

Material / Finish :

	Material	Finish
Connector body	Brass per (QQ-B-626 or JIS-C3604B) Beryllium copper per (QQ-C-530 or JIS-C1730)	Gold plating
Center contact male	Brass per (QQ-B-626 or JIS-C3604B)	Gold plating
Center contact female	Beryllium copper per (QQ-C-530 or JIS-C1730)	Gold plating
Insulator	PTFE per ASTM D1710 and ASTM D1457 or none	None
Shroud non-hermetic	Stainless steel (SUS-303)	Passivated

Electrical :

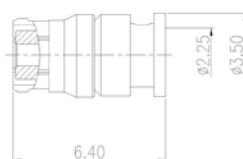
Nominal impedance	50 Ω
Frequency up to	12 GHz
VSWR	≤ 1.25 @ 6.0 GHz ≤ 1.50 @ 12.0 GHz
Working voltage	250 Volts rms.
Dielectric withstanding voltage	500 Volts rms.
Insulation resistance	5000 M Ω min.
Contact resistance	center conductor 6.0m Ω outer conductor 1.5m Ω

Mechanical & Environmental :

Mating	Snap on coupling
Engage force	15 lbs full detent max. 10 lbs limited detent max. 2.5 lbs smooth bore max.
Disengage force	5 lbs full detent min. 2 lbs limited detent min. 0.5 lbs smooth bore min.
Durability	≥ 250 cycles limited detent typical.
Temperature range	-55°C to +155°C
Vibration	Per MIL-STD-202 Method 204 Test Condition D
Corrosion	Per MIL-STD-202 Method 101 Test Condition B

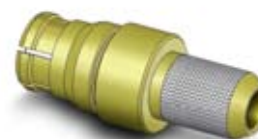
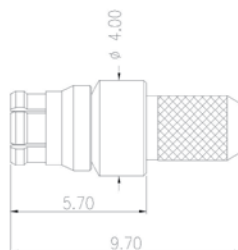


Straight Plug(female contact)



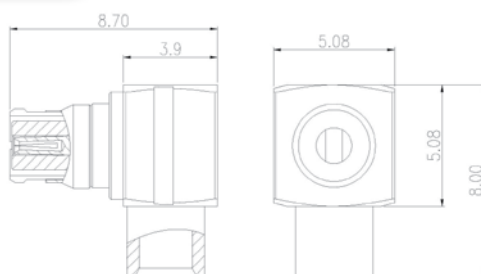
Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
26-001A0-B	50	Gold	Bulk	.047 semi-rigid	Standard
26-001B0-B	50	Gold	Bulk	.085 semi-rigid	Standard

Straight Plug(female contact)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
26-101AB-B	50	Gold	Bulk	RG-174/U ; RG-188 A/U ; RG-316/U	Standard
26-101A0-B	50	Gold	Bulk	RG-178 B/U ; RG-196 A/U	Standard

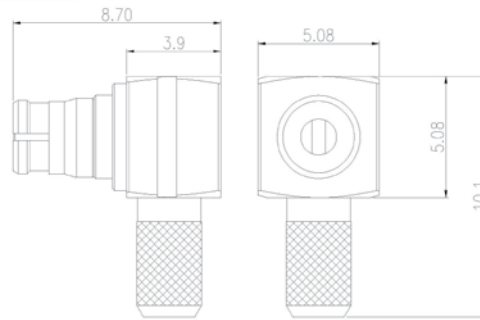
Right Angle Plug(female contact)



Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
26-109A0-B	50	Gold	Bulk	.047 semi-rigid	Standard
26-109B0-B	50	Gold	Bulk	.085 semi-rigid	Standard



Right Angle Plug(female contact)

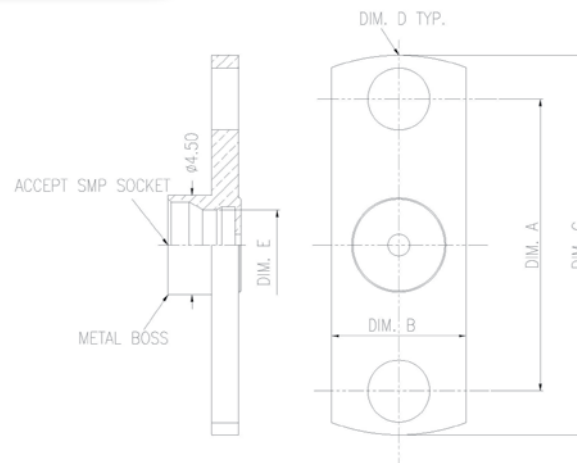


Aliner P/N	Impedance	Plating	Packaging	Cable Type	Note
26-109BC-B	50	Gold	Bulk	RG-174/U ; RG-188 A/U ; RG-316/U	Standard

SMP SHROUD



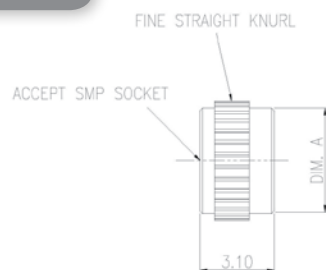
2-Hole Flange Mount Shroud



Aliner P/N	Plating	Engagement Type	Dim A	Dim B	Dim C	Dim D	Dim E
26-103A0-B	Passivation	FULL DETENT	7.16	4.19	Ø10.16	Ø1.85	Ø2.95±0.01
26-103B0-B	Passivation	FULL DETENT	8.33	4.75	Ø12.19	Ø2.49	Ø2.95±0.01
26-103C0-B	Passivation	FULL DETENT	10.16	4.75	Ø13.97	Ø2.59	Ø2.95±0.01
26-103D0-B	Passivation	FULL DETENT	12.22	5.64	Ø15.88	Ø2.59	Ø2.95±0.01
26-103E0-B	Passivation	LIMITED DETENT	7.16	4.19	Ø10.16	Ø1.85	Ø3.05±0.01
26-103F0-B	Passivation	LIMITED DETENT	8.33	4.75	Ø12.19	Ø2.49	Ø3.05±0.01
26-103G0-B	Passivation	LIMITED DETENT	10.16	4.75	Ø13.97	Ø2.59	Ø3.05±0.01
26-103H0-B	Passivation	LIMITED DETENT	12.22	5.64	Ø15.88	Ø2.59	Ø3.05±0.01
26-103J0-B	Passivation	SMOOTH DETENT	7.16	4.19	Ø10.16	Ø1.85	Ø3.18±0.01
26-103K0-B	Passivation	SMOOTH DETENT	8.33	4.75	Ø12.19	Ø2.49	Ø3.18±0.01
26-103L0-B	Passivation	SMOOTH DETENT	10.16	4.75	Ø13.97	Ø2.59	Ø3.18±0.01
26-103M0-B	Passivation	SMOOTH DETENT	12.22	5.64	Ø15.88	Ø2.59	Ø3.18±0.01

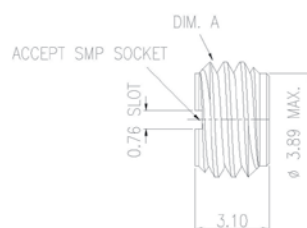


Press-In Shroud



Aliner P/N	Plating	Engagement Type	Dim A
26-008A0-B	Passivation	FULL DETENT	Ø3.91
26-008B0-B	Passivation	FULL DETENT	Ø4.42
26-008C0-B	Passivation	LIMITED DETENT	Ø3.91
26-008D0-B	Passivation	LIMITED DETENT	Ø4.42
26-008E0-B	Passivation	SMOOTH DETENT	Ø3.91
26-008F0-B	Passivation	SMOOTH DETENT	Ø4.42

Thread-In Shroud



Aliner P/N	Plating	Engagement Type	Dim A
26-009A0-B	Passivation	FULL DETENT	#10-48 UNS-2A
26-009B0-B	Passivation	FULL DETENT	#10-36 UNS-2A
26-009C0-B	Passivation	LIMITED DETENT	#10-48 UNS-2A
26-009D0-B	Passivation	LIMITED DETENT	#10-36 UNS-2A
26-009E0-B	Passivation	SMOOTH DETENT	#10-48 UNS-2A
26-009F0-B	Passivation	SMOOTH DETENT	#10-36 UNS-2A