

Test Center
.100 (2.54)
.125 (3.18)
.156 (3.96)
.187 (4.75)

HPA-64 SPA-64

Standard-Performance Probes

Order your ECT Test Probes from ROMEX B.V. via Phone: +31-(0)317-389787, Fax: +31-(0)317-389780 or E-mail: info@romex.nl.

Probe Specifications	HPA-64	SPA-64
Mechanical		
Full Travel:	.050 (1.27)	.050 (1.27)
Recommended Working Travel:	.050 (1.27)	.050 (1.27)
Mechanical Life Exceeds:	1 x 10 ⁶ cycles	1 x 10 ⁶ cycles
Operating Temperature	-55°C to +150°C	-55°C to +150°C
Consult factory for other temperature requirements, and applications below -40°C.		
Electrical (Static Conditions)		
Current Rating:	3 amps	3 amps
Maximum continuous current, non-inductive at working travel		
Average Probe Resistance	50 mΩ	50 mΩ
Materials and Finishes		
Plunger:	Heat-treated beryllium copper, gold plated over hard nickel	Heat-treated beryllium copper, gold plated over hard nickel
Barrel:	Work-hardened nickel silver gold plated over hard nickel	Work-hardened nickel silver
Spring:	Stainless steel, silver plated	Stainless steel, silver plated

Receptacle Specifications		
Mounting Hole Size:	.067/.069 (1.7/1.75)	.067/.069 (1.7/1.75)
A #51 or 1.75 mm drill is most commonly used.		
Recommended Wire Gauge:	26-30 AWG	26-30 AWG
Connections:	SPR-64W-2 Wire wrap/square post, 100% vacuum sealed	SPR-64W-2 Wire wrap/square post, 100% vacuum sealed
Materials and Finishes	Nickel silver alloy	Nickel silver alloy
Hole Diameters to be Contacted		
HPA/SPA-64-1	up to .073 (1.85)	up to .073 (1.85)
HPA/SPA-64-2	lands and pads	lands and pads
HPA/SPA-64-3	lands and pads	lands and pads
HPA/SPA-64-4	up to .058 (1.47)	up to .058 (1.47)
HPA/SPA-64-7	up to .150 (3.81)	up to .150 (3.81)
HPA/SPA-64-8	up to .070 (1.78)	up to .070 (1.78)
HPA/SPA-64-9	lands and pads	lands and pads
HPA/SPA-64-10	lands and pads	lands and pads

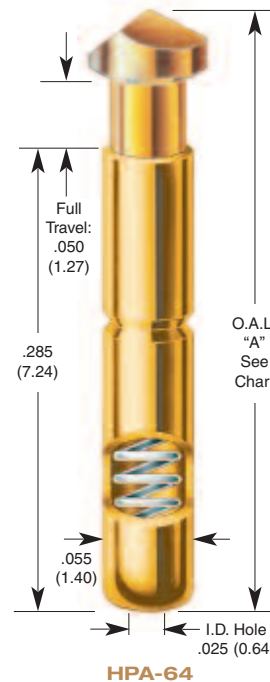
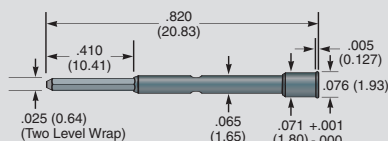
The SPA-64W-2 can be used to test bare PCBs on Mixed test centers with the HPA-50 and HPA-52, see pages 27 and 29.

Spring Force in oz. (grams)		
Spring Type	Preload	Full Travel
Standard	as shown 1.1 (31)	3.85 (109)
Optional spring forces and materials are available.		

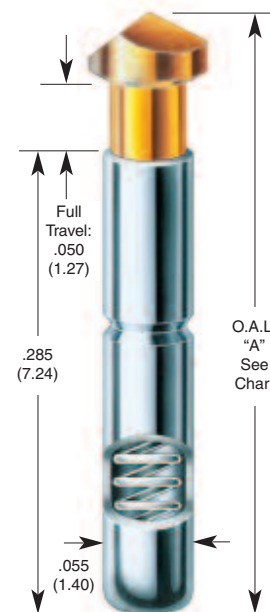
Recommended Test Centers		
HPA/SPA-64-1, -2, -3, -4, -8, -9, -10	.100 (2.54)	
HPA/SPA-64-7	.187 (4.75)	

Model No.	Overall Length (Dimension A)
HPA/SPA-64-1, -4, -7	.375 (9.53)
HPA/SPA-64-2, -3	.365 (9.27)
HPA/SPA-64-8	.385 (9.78)
SPA-64-9, -10	.363 (9.22)
HPA-64-9, -10	.365 (9.27)

SPR-64W-2

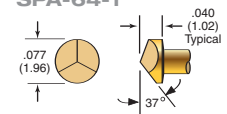


HPA-64

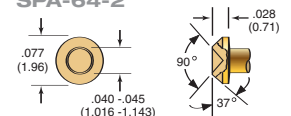


SPA-64

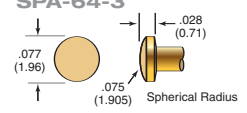
HPA-64-1 SPA-64-1



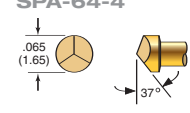
HPA-64-2 SPA-64-2



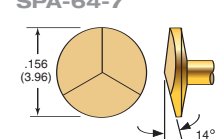
HPA-64-3 SPA-64-3



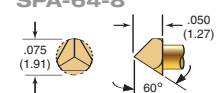
HPA-64-4 SPA-64-4



HPA-64-7 SPA-64-7



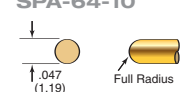
HPA-64-8 SPA-64-8



HPA-64-9 SPA-64-9



HPA-64-10 SPA-64-10



Bare PCB Test Probes

Actual
Size

Other applications:

Dimensions in inches (millimeters)