

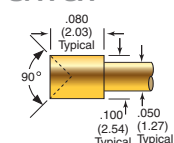
General Purpose Probe

EPA-3 SPA-3

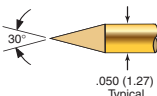
Test Center
.125 (3.18)

TO ORDER, CALL 909-625-9390

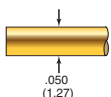
**EPA-3A
SPA-3A**



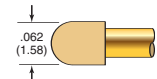
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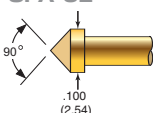
**EPA-3C
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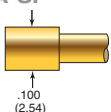
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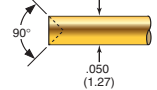
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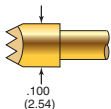
**EPA-3F
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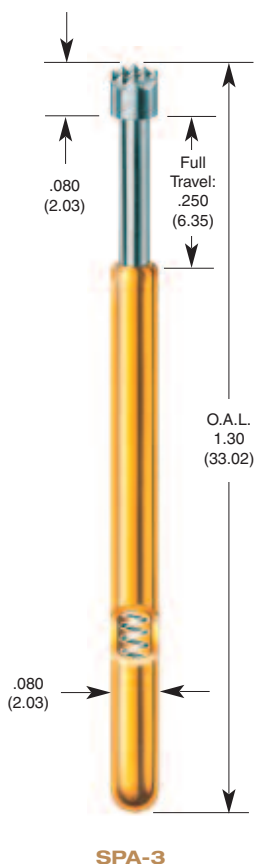
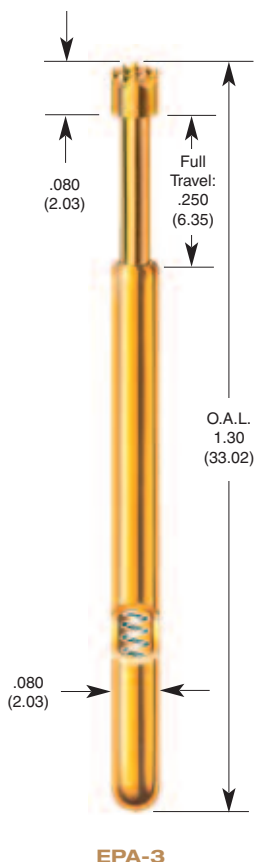
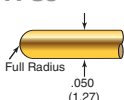
SPA-3G



**EPA-3H
SPA-3H**



**EPA-3J
SPA-3J**



Probe Specifications EPA-3 SPA-3

Mechanical

Full Travel:	.250 (6.35)	.250 (6.35)
Recommended Working Travel:	.167 (4.24)	.167 (4.24)
Mechanical Life Exceeds:	2 x 10 ⁶ cycles	2 x 10 ⁶ cycles

Operating Temperature

Standard spring:	-55°C to +85°C	-55°C to +85°C
Alternate/Ultra High spring:	-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:	6 amps	6 amps
Maximum continuous current, non-inductive at working travel		

Average Probe Resistance

50 mΩ	50 mΩ
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Materials and Finishes

Plunger:	Heat-treated beryllium copper, gold plated over hard nickel	Heat-treated beryllium copper, rhodium plated over hard nickel
Barrel:	Work-hardened nickel silver, gold plated over hard nickel	Work-hardened nickel silver, gold plated over hard nickel
Spring:		
Standard:	Beryllium copper, silver plated	Beryllium copper, silver plated
Alternate:	Stainless steel, silver plated	Stainless steel, silver plated
Ultra High:	Stainless steel	Stainless steel
Ball:	Brass, gold plated	Brass, gold plated

Receptacle Specifications

Mounting Hole Size:	.094/.096 (2.39/2.44)	.094/.096 (2.39/2.44)
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A #41 or 2.4 mm drill is most commonly used.

Recommended Wire Gauge:

22-26 AWG	22-26 AWG
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Connections:

SPR-3W Crimp or push-on termination (AMP terminal 60983-1 or equivalent)	SPR-3W Crimp or push-on termination (AMP terminal 60983-1 or equivalent)
SPR-3W-1 Solder cup	SPR-3W-1 Solder cup
SPR-3W-2 wire wrap/square post	SPR-3W-2 wire wrap/square post
SPR-3Y Push-on termination (AMP terminal 42827-2 or equivalent)	SPR-3Y Push-on termination (AMP terminal 42827-2 or equivalent)

Materials and Finishes

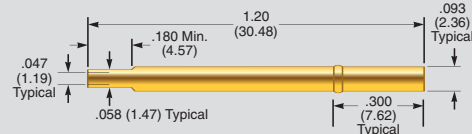
Housing:	Work-hardened nickel silver, gold plated over hard nickel	Work-hardened nickel silver, gold plated over hard nickel
Square Post:	Phosphor bronze, gold plated	Phosphor bronze, gold plated

Spring Force in oz. (grams)

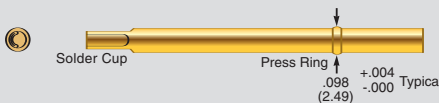
Spring Type	Preload	2/3 Travel
To order, add dash number to Model Number.		
Standard as shown	1.60 (45)	4.5 (126)
Alternate -1	2.52 (71)	6.5 (184)
Ultra High -2	4.18 (119)	11.7 (332) (SPA only)

Optional spring forces and materials are available.

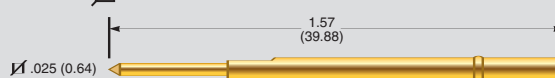
SPR-3W



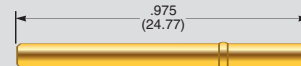
SPR-3W-1



SPR-3W-2



SPR-3Y



General Purpose Probes

Actual Size