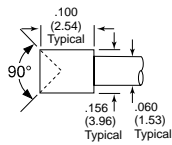
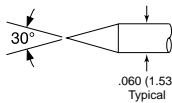


TO ORDER, CALL 909-625-9390

### SPA-4A



### SPA-4B



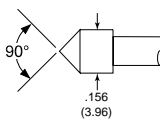
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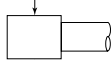
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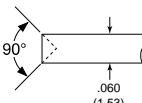
### SPA-4E



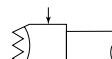
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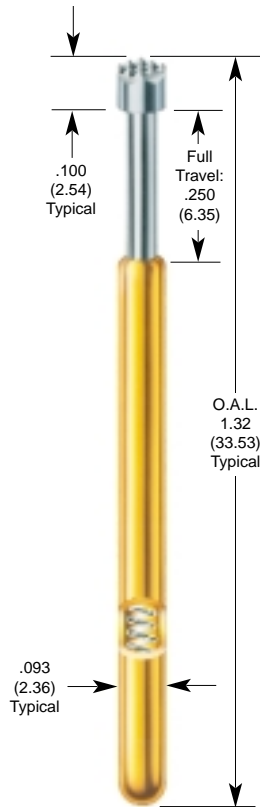
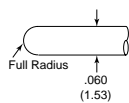
### SPA-4G



### SPA-4H



### SPA-4J



SPA-4

## Probe Specifications SPA-4

### Mechanical

Full Travel: .250 (6.35)  
 Recommended Working Travel: .167 (4.24)  
 Mechanical Life Exceeds:  $2 \times 10^6$  cycles

### Operating Temperature

Standard spring: -55°C to +85°C  
 Alternate spring: -55°C to +150°C  
 Consult factory for other temperature requirements, and applications below -40° C.

### Electrical (Static Conditions)

Current Rating: 7 amps  
 Maximum continuous current, non-inductive at working travel

### Probe Resistance

50 mΩ  
 With a standard deviation of <7 mΩ @ 25 mA test current

### Materials and Finishes

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

## Receptacle Specifications

Mounting Hole Size: .107/.109 (2.72/2.77)  
 A 2.75 mm drill is most commonly used.

Recommended Wire Gauge: 22-26 AWG

### Connections:

**SPR-4W** Crimp or push-on termination (AMP terminal 61260-1 or equivalent)  
**SPR-4W-1** Solder cup  
**SPR-4W-2** Wire wrap/square post.  
**SPR-4Y** Push-on termination (AMP terminal 60908-1 or equivalent)

### Materials and Finishes

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

## Spring Force in oz. (grams)

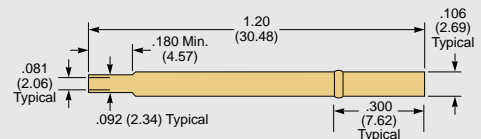
Spring Type	Preload	2/3 Travel
Standard	as shown	2.2 (62)
Alternate	-1	3.2 (90)
		6.9 (196)

To order, add dash number to Model Number.

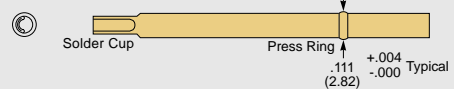
Standard as shown 2.2 (62) 4.8 (136)  
 Alternate -1 3.2 (90) 6.9 (196)

Optional spring forces and materials are available.

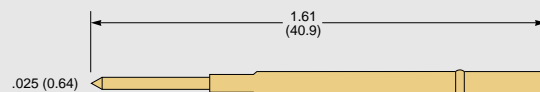
### SPR-4W



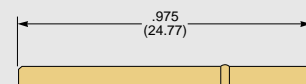
### SPR-4W-1



### SPR-4W-2



### SPR-4Y



Actual Size Dimensions in inches (millimeters)

