

TO ORDER, CALL 909-625-9390

**Probe Specifications SPA-5**

**Mechanical**

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

**Operating Temperature**

-55°C to +150°C  
 Consult factory for other temperature requirements, and applications below -40° C.

**Electrical (Static Conditions)**

Current Rating: 8 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: Stainless steel  
 Ball: Brass, gold plated

**Receptacle Specifications**

**Mounting Hole Size:** .141/.143 (3.58/3.63)  
 A 3.6 mm drill is most commonly used.

**Recommended Wire Gauge:** 22-26 AWG

**Connections:**

**SPR-5W** Crimp or push-on termination (AMP terminal 42827-2 or equivalent)  
**SPR-5W-1** Solder cup

**Materials and Finishes**

Work-hardened nickel silver, gold plated

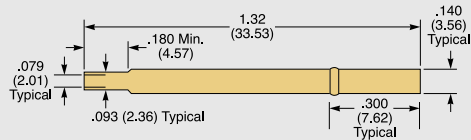
**Spring Force in oz. (grams)**

Spring Type	Preload	2/3 Travel
Standard as shown	6.13 (174)	16.0 (454)

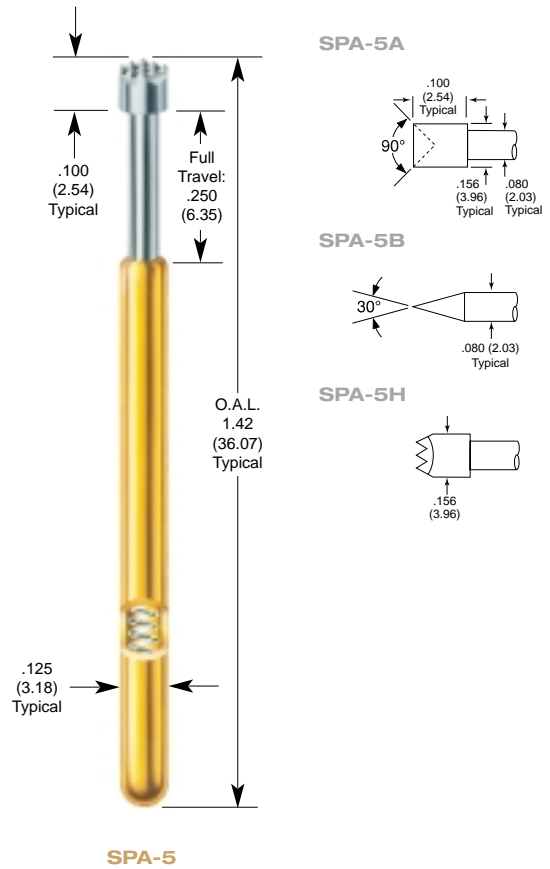
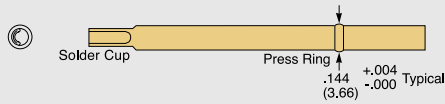
To order, add dash number to Model Number.

Optional spring forces and materials are available.

**SPR-5W**



**SPR-5W-1**



SPA-5

Dimensions in inches (millimeters) Actual Size