Connections:







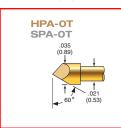


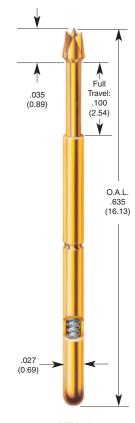


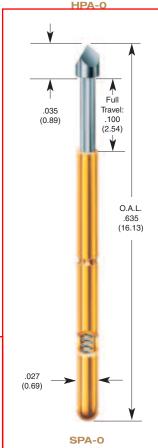












25-053

Probe Specifications HPA-0 SPA-0 Mechanical Full Travel: .100 (2.54) Recommended Working Travel: .067 (1.70) .100 (2.54) .067 (1.70) Mechanical Life Exceeds: 1 x 10⁶ cycles 1 x 10° cycles **Operating Temperature** -55°C to +150°C -55°C to +150°C Alternate spring: -55°C to $+105^{\circ}\text{C}$ -55°C to $+105^{\circ}\text{C}$ 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** $35\;\text{m}\Omega$ $50 \text{ m}\Omega$ **Materials and Finishes** Heat-treated beryllium copper, gold plated over hard nickel Heat-treated beryllium copper, rhodium plated over hard nickel Plunger: Work-hardened phosphor bronze, HPA-GOLD™ plated (I.D. and O.D.) over hard nickel Work-hardened phosphor bronze, HPA-GOLD™ plated (I.D. and O.D.) over hard nickel Barrel: Spring: Standard: Stainless steel, silver plated Music wire, silver plated Stainless steel, silver plated Music wire, silver plated Alternate: **Receptacle Specifications**

Mounting Hole Size: A #64 or 0.92 mm drill is most	.035/.0365 (0.89/0.93) commonly used.	.035/.0365 (0.89/0.93)
Recommended Wire Gauge:	28-30 AWG	28-30 AWG

SPR-0W Crimp (To order with 30 inches of 28 AWG wire attached, add -28 to model number. For 30 AWG wire, add -30 to model number.)
SPR-0W-1 Solder cup
SPR-0W-4 FASTITE* wire termination (30 AWG only), maximum insulation diameter .019 (0.48), wire strip length = .125 (3.2)
DS-62-1 insulation sleeve (use with SPR-0W-4)
FWA-1-30 30 AWG wire with DS-62-1 insulation sleeve attached SPR-0W Crimp (To order with 30 inches of 28 AWG wire attached, add -28 to model number. For 30 AWG wire, add -30 to model number.)
SPR-0W-1 Solder cup
SPR-0W-4 FASTITE* wire termination (30 AWG only), maximum insulation diameter .019 (0.48), wire strip length = .125 (3.2) **95-62-1** Insulation sleeve (use with SPR-0W-4) **FWA-1-30** 30 AWG wire with DS-62-1 insulation sleeve DS-62-1 insulation sleeve

Materials and Finishes Work-hardened nickel silver, Work-hardened nickel silver, gold plated over hard nickel gold plated over hard nickel

attached

One DS-62-1 sleeve is provided with each SPR-0W-4 receptacle at no charge. If additional quantities are required, please contact the factory for pricing and delivery.

attached

The HPA-0 and SPA-0 may be used to test bare PCBs on mixed test centers with the HPA-1 and HPA-74

Spring Force in oz. (grams) Spring Type Prelo Preload 2/3 Travel To order, add dash number to Model Number. 2.8 (79) 3.7 (105) Alternate Optional spring forces and materials are available. SPR-0W 180 Min .105 (2.67) .027 (0.69) Typical SPR-0W-1 .037 +.003 (0.94) -.000 Typical Press Ring A SPR-0W-4 (Shown with DS-62-1 installed) .795 (20.19)

FASTITE® Insertion

Instructions, page 64

.350

.100 (2.54) Typical