

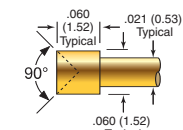
High & Standard Performance Probes

HPA-1 SPA-1

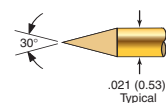
Test Center
.075 (1.91)

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.

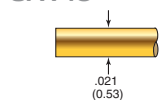
HPA-1A
SPA-1A



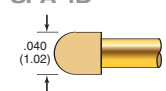
HPA-1B
SPA-1B



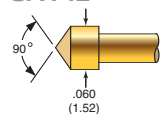
HPA-1C
SPA-1C



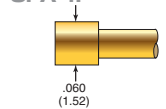
HPA-1D
SPA-1D



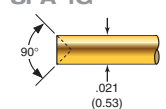
HPA-1E
SPA-1E



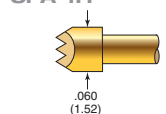
HPA-1F
SPA-1F



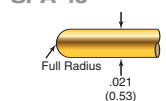
HPA-1G
SPA-1G



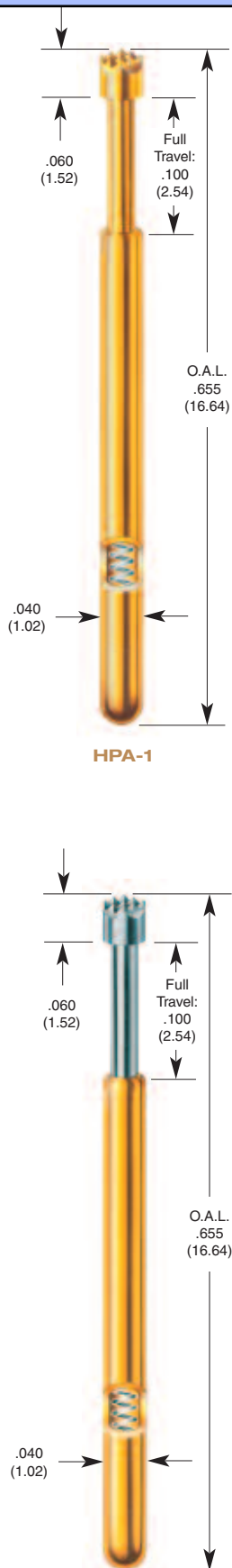
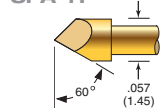
HPA-1H
SPA-1H



HPA-1J
SPA-1J



HPA-1T
SPA-1T



HPA-1

SPA-1

Probe Specifications HPA-1

Mechanical

Full Travel: .100 (2.54)
Recommended Working Travel: .067 (1.70)
Mechanical Life Exceeds: 1 x 10⁶ cycles

Operating Temperature

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

Electrical (Static Conditions)

Current Rating: 3 amps
Maximum continuous current, non-inductive at working travel

Average Probe Resistance

35 mΩ

Materials and Finishes

Plunger: Heat-treated beryllium copper, gold plated over hard nickel
Barrel: Work-hardened phosphor bronze, HPA-GOLD™ plated (I.D. and O.D.) over hard nickel
Spring: Stainless steel, silver plated

Probe Specifications SPA-1

Mechanical

Full Travel: .100 (2.54)
Recommended Working Travel: .067 (1.70)
Mechanical Life Exceeds: 1 x 10⁶ cycles

Operating Temperature

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

Electrical (Static Conditions)

Current Rating: 3 amps
Maximum continuous current, non-inductive at working travel

Average Probe Resistance

50 mΩ

Materials and Finishes

Plunger: Heat-treated beryllium copper, rhodium plated over hard nickel
Barrel: Work-hardened phosphor bronze, HPA-GOLD™ plated (I.D. and O.D.) over hard nickel
Spring: Stainless steel, silver plated

Receptacle Specifications

Mounting Hole Size:

.053/.055 (1.35/1.40)
A #54 or 1.4 mm drill is most commonly used.

Recommended Wire Gauge:

24-28 AWG

Connections:

SPR-1W Crimp
SPR-1W-1 Solder cup
SPR-1W-2/SPR-1W-2M Wire wrap/square post. Vacuum leak rate not to exceed 1 x 10⁻⁴ CFM @ 15 psi

Materials and Finishes

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

The HPA-1 and SPA-1 may be used to test bare PCBs on mixed test centers with the HPA-0 and HPA-74 probes, see pages 28 and 33.

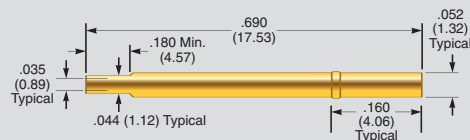
Spring Force in oz. (grams)

Spring Type Preload 2/3 Travel

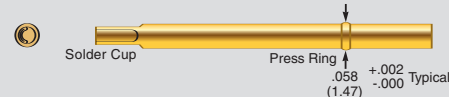
To order, add dash number to Model Number.

Standard as shown 1.1 (31)
Alternate -1 1.3 (37)
Optional spring forces and materials are available.

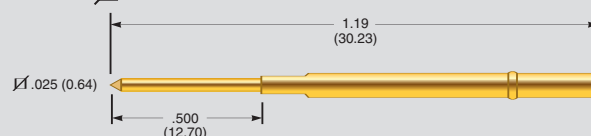
SPR-1W



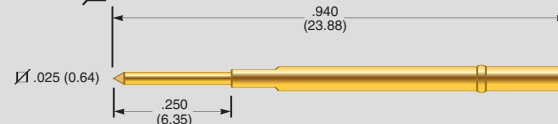
SPR-1W-1



SPR-1W-2



SPR-1W-2M



Bare PCB Test Probes

Actual Size