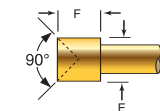
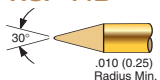


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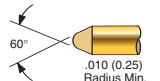
**HCP-13A
HCP-14A
HCP-15A
HCP-25A**



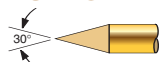
**HCP-13B
HCP-14B**



HCP-15B



HCP-25B



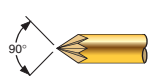
**HCP-13H
HCP-14H
HCP-15H**



HCP-25H



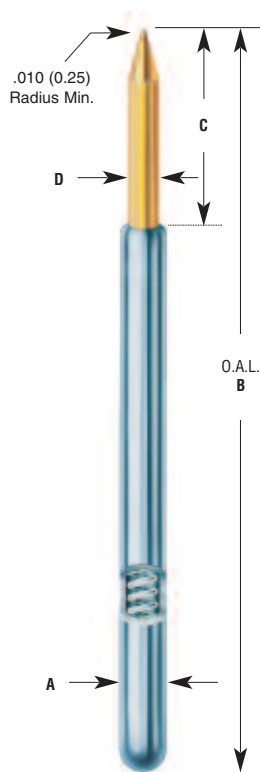
HCP-13P



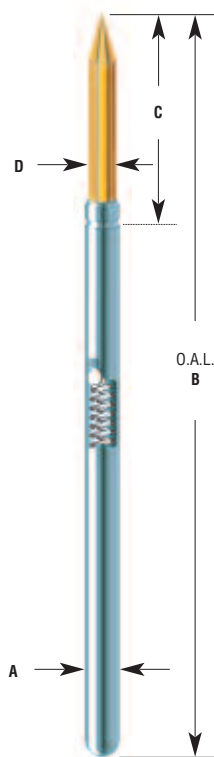
Probe Dimensions

	HCP-13	HCP-14
Test Centers	.125 (3.18)	.187 (4.75)
A	.080 (2.03) Ø	.093 (2.36)
B	1.30 (33.02)	1.32 (33.53)
C	.330 (8.38)	.350 (8.89)
D	.050 (1.27) Ø	.060 (1.52)
E	.100 (2.54) Ø	.156 (3.96)
F	.080 (2.03)	.100 (2.54)

	HCP-15	HCP-25
Test Centers	.187 (4.75)	.100 (2.54)
A	.125 (3.18) Ø	.054 (1.37)
B	1.42 (36.07)	1.30 (33.02)
C	.350 (8.89)	.330 (8.38)
D	.080 (2.03) Ø	.036 (0.91)
E	.156 (3.96) Ø	.060 (1.52)
F	.100 (2.54)	.080 (2.03)



**HCP-13
HCP-14
HCP-15**



HCP-25

Probe Specifications

Mechanical	HCP-13, 14, 15	HCP-25
Full Travel:	.250 (6.35)	.250 (6.35)
Recommended Working Travel:	.167 (4.24)	.167 (4.24)
Mechanical Life Exceeds:	.25 x 10 ⁶ cycles	.5 x 10 ⁶ cycles

Operating Temperature	-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:		
HCP-13	15 amps	
HCP-14	25 amps	
HCP-15	35 amps	
HCP-25		10 amps
Maximum continuous current, non-inductive at working travel		

Average Probe Resistance	25 mΩ	25 mΩ
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Materials and Finishes		
Plunger:	Heat-treated beryllium copper, gold plated over hard nickel	Heat-treated beryllium copper, gold plated over hard nickel
Barrel:	Work-hardened nickel silver, silver plated (I.D. and O.D.) over hard nickel	Work-hardened phosphor bronze, silver plated (I.D. and O.D.) over hard nickel
Spring:	Stainless steel, silver plated	Stainless steel, silver plated
Ball:	Brass, gold plated	Stainless steel

Receptacle Specifications

Use SPR Series:		
HCP-13	SPR-3 series (page 60)	
HCP-14	SPR-4 series (page 61)	
HCP-15	SPR-5 series (page 62)	
HCP-25		SPR-25 series (page 13)

NOTE: The wire gauge listed on referenced pages is for typical ATE applications only. When using these receptacles in high current applications, larger wire size may be required. In cases where the required wire diameter exceeds the receptacle tail ID, solder cup versions are recommended.

Spring Force in oz. (grams)		
Spring Type	Preload	2/3 Travel
HCP-13	1.54 (44)	4.5 (128)
HCP-14	0.86 (24)	4.8 (136)
HCP-15	3.76 (107)	16.0 (456)
HCP-25	0.86 (24)	4.0 (113)

Optional spring forces and tip styles are available for the HCP-25.

