

High-Performance Probes

HPA-40 MEP-30

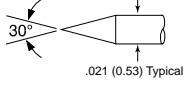
Test Centers

.039 (1.00)
.030 (0.76)

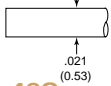
TO ORDER, CALL 909-625-9390

Bare PCB Test Probes

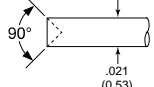
HPA-40B



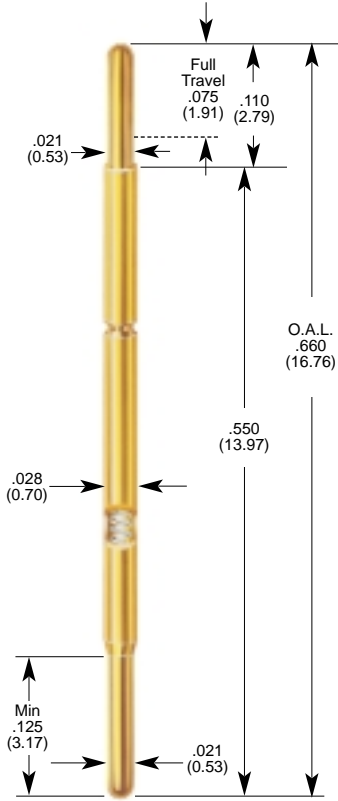
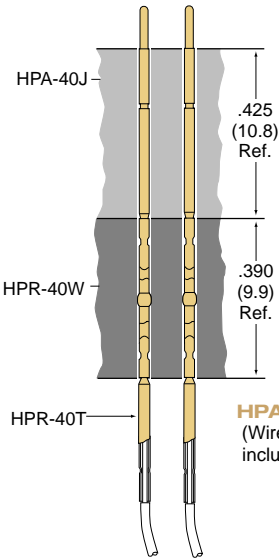
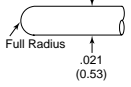
HPA-40C



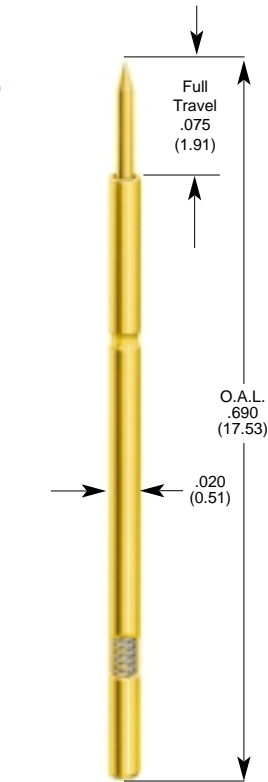
HPA-40G



HPA-40J

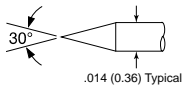


HPA-40

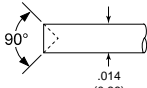


MEP-30

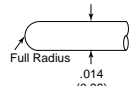
MEP-30B



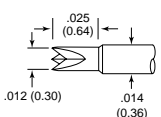
MEP-30G



MEP-30J



MEP-30U



Probe Specifications

	HPA-40	MEP-30
Mechanical		
Full Travel:	.075 (1.91)	.075 (1.91)
Recommended Working Travel:	.050 (1.27)	.050 (1.27)
Mechanical Life Exceeds:	1 x 10 ⁶ cycles	1 x 10 ⁶ cycles
Operating Temperature	-55°C to +105°C	-55°C to +105°C
Consult factory for other temperature requirements, and applications below -40° C.		
Electrical (Static Conditions)		
Current Rating:	2 amps	2 amps
Maximum continuous current, non-inductive at working travel		
Probe Resistance	35 mΩ	50 mΩ
With a standard deviation of <4 mΩ @ 25 mA test current		
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, HPA-GOLD™ plated (I.D. and O.D.) over hard nickel	Heat-treated beryllium copper, HPA-GOLD™ plated (I.D. and O.D.) over hard nickel
Spring:	Stainless steel, silver plated	Music wire, silver plated

Receptacle Specifications

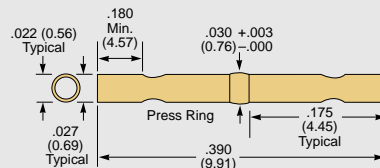
Mounting Hole Size:	.0285/.0295 (0.72/0.75) A #69 or 0.75 mm drill is most commonly used.	.0265/.0276 (0.67/0.70) .030 (0.76) Test Centers A 0.70 mm drill is most commonly used.
Recommended Wire Gauge:	28-30 AWG	30 AWG
Connections:	HPR-40W Crimp HPR-40T for plug-in connection	HPR-30W Crimp (To order with 30 inches of 30 AWG wire attached, add -30 to model number.)
Materials and Finishes	Work-hardened nickel silver, HPA-GOLD™ plated (I.D. and O.D.) over hard nickel	Heat-treated beryllium copper, HPA-GOLD™ plated (I.D. and O.D.) over hard nickel

Spring Force in oz. (grams)

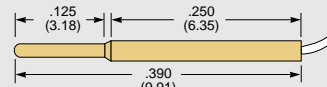
Spring Type	Preload	2/3 Travel
HPA-40 as shown	.79 (22)	1.75 (49)
MEP-30 as shown	.39 (11)	1.39 (39)

Optional spring forces and materials are available.

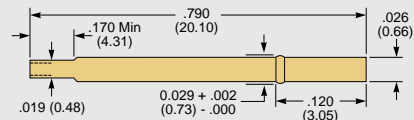
HPR-40W



HPR-40T



HPR-30W



Actual Sizes

Dimensions in inches (millimeters)

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Everett Charles Technologies products are covered by U.S. and foreign patents and/or pat. Pend. Patent Numbers □
5,801,544; 5,744,977; 5,667,410. Specifications subject to change without notice.

Other applications: