

Probe Specifications	LTP-25	LTP-25 TJ
Mechanical		
Full Travel:	.400 (10.16)	.340 (8.6)
Recommended Working Travel:	.315 (8.0)	.315 (8.00)
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:	8 amps	8 amps
Maximum continuous current, non-inductive at working travel		
Average Probe Resistance	8 mΩ	8 mΩ
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 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
Spring:	Music wire	Music wire
Ball:	Stainless steel	Stainless steel

Mounting Hole Size: .067/.069 (1.70/1.75) A #51 or 1.75 mm drill is most commonly used.		.067/.069 (1.70/1.75)
Recommended Wire Gauge:	22-26 AWG	22-26 AWG
Connections:	SPR-25W Crimp or push-on termination (AMP terminal 60983-1 or equivalent) SPR-25W-1 Solder cup SPR-25W-2 Wire wrap/square post. Vacuum leak rate not to exceed 1×10^{-4} CFM @ 15 psi SPR-25W-3 Connector pin/round post	SPR-25W Crimp or push-on termination (AMP terminal 60983-1 or equivalent) SPR-25W-1 Solder cup SPR-25W-2 Wire wrap/square post. Vacuum leak rate not to exceed 1×10^{-4} CFM @ 15 psi SPR-25W-3 Connector pin/round post

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

Spring Type	Preload	.315 Travel
Standard	-4	1.28 (36)
Alternate	-6	1.19 (34)
High	-8	0.90 (26)
Ultra High	-9.7	2.30 (65)

Technical drawing of a shaft with the following dimensions:

- Left end diameter: .048 (1.22) Typical
- Step diameter: .058 (1.47) Typical
- Distance from left end to step: .180 Min. (4.57)
- Distance from step to right end: 1.15 (29.21)
- Right end diameter: .066 (1.68) Typical
- Distance from right end to center of hole: .300 (7.62) Typical

Diagram illustrating a typical wire length of 1.19 (30.23). The wire features a Solder Cup at one end and a Press Ring at the other. The distance between the center of the Solder Cup and the center of the Press Ring is 1.19 (30.23). The Press Ring has a diameter of .072 (1.83) and a thickness of .002 (+.002 / -.001) Typical.

Technical drawing of a W-2 drill bit. The drawing shows the bit with dimensions in inches and millimeters. The overall length is 1.69 (42.93) inches. The length of the cutting edge is .500 (12.70) inches. The length of the flute is 1.19 (30.23) inches. The diameter is .1025 (0.64) inches. The drawing also shows a typical length of 1.69 (42.93) inches.

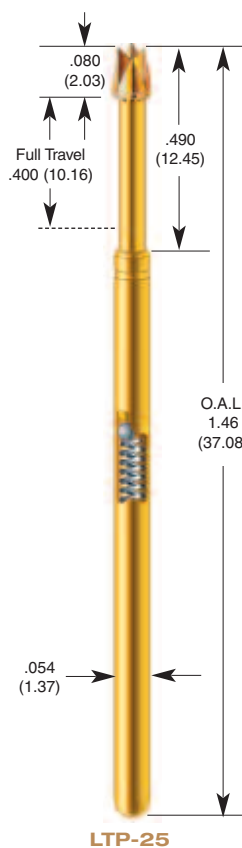
W-2L ∇

1.88 (47.75)

W-2L 1.88 (47.75)

W-2LL 2.23 (56.74)

W-2LL 2.23 (56.74)



.060
(1.52)

Diagram illustrating a self-cleaning nozzle tip. The tip is labeled "Self Cleaning" and shows a conical opening with a diameter of .050 (1.27).

15°

.036
(.91)

Technical drawing of a shaft with a keyway. The shaft has a total length of .145 inches (3.68 mm). The left end has a diameter of .025 inches (0.64 mm). The right end has a diameter of .065 inches (1.65 mm). The keyway is located in the center of the shaft, with a width of .092 inches (2.34 mm) and a depth of .040 inches (1.02 mm). The keyway is 45° wide at the ends. The shaft is shown in a perspective view.

Loaded PCB Test Probes

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Consult factory for additional tip options.