

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.

Probe Specifications LFRE-25

Mechanical

Full Travel: .250 (6.35)
Recommended Working Travel: .167 (4.24)
Mechanical Life Exceeds: 1 x 10⁶ cycles

Operating Temperature

-55°C to +105°C
Consult factory for other temperature requirements, and applications below -40° C.

Electrical (Static Conditions)

Current Rating: 8 amps
maximum continuous current, non-inductive at working travel

Average Probe Resistance

8 mΩ

Materials and Finishes

Plunger: High performance alloy,
LFRE proprietary plating
Barrel: Work-hardened phosphor bronze,
HPA-GOLD™ plated (I.D. and
O.D.) over hard nickel
Spring: Music wire, nickel plated
Ball: Stainless steel

Receptacle Specifications

Mounting Hole Size:

.067/.069 (1.7/1.75)

Recommended Wire Gauge:

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 x 10⁻⁴ CFM @
15 psi
SPR-25W-3 Connector
pin/round post

Materials and Finishes

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

Spring Force in oz. (grams)

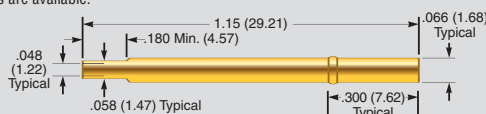
Spring type	Preload	2/3 Travel
Elevated	-6.5	2.65 (75)
High	-8	3.49 (99)
Ultra High	-10	4.42 (125)
Premium	-12	5.08 (144)

To order, add dash number to Model Number.

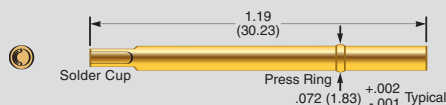
Spring type	Preload	2/3 Travel
Elevated	-6.5	2.65 (75)
High	-8	3.49 (99)
Ultra High	-10	4.42 (125)
Premium	-12	5.08 (144)

Optional spring forces and materials are available.

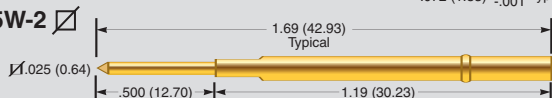
SPR-25W



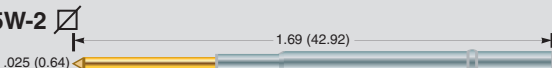
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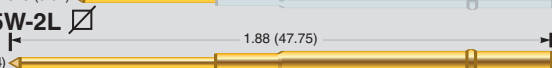
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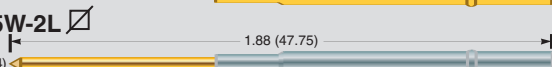
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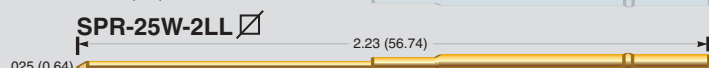
SPR-25W-2L



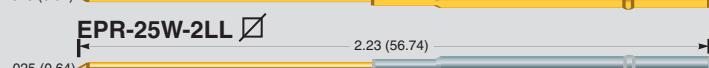
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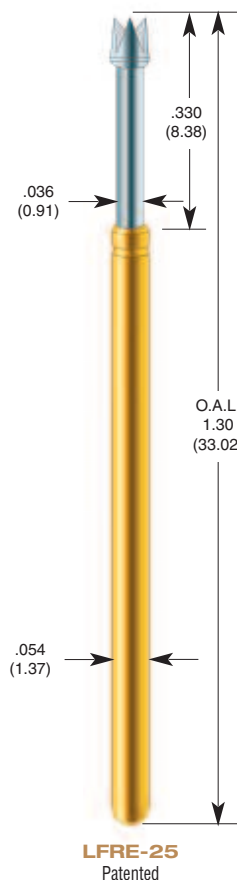
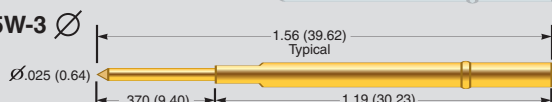
SPR-25W-2LL



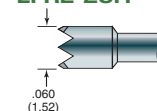
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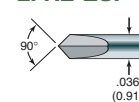
SPR-25W-3



LFRE-25H



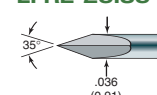
LFRE-25I



LFRE-25I8



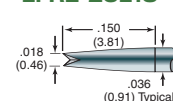
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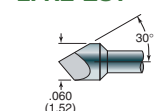
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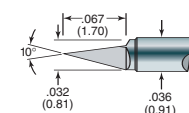
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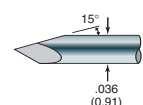
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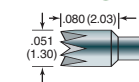
LFRE-25T1



LFRE-25T36



LFRE-25Z1



Loaded PCB Test Probes

Actual
Size

Dimensions in inches (millimeters)