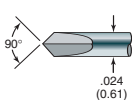
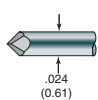


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LFRE-11



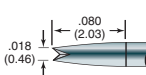
LFRE-118



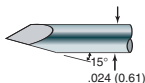
LFRE-1135



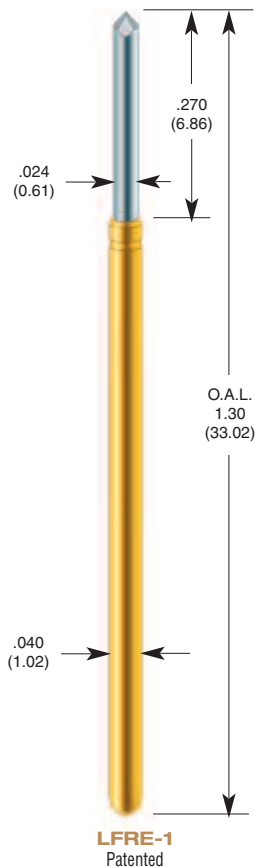
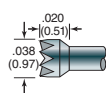
LFRE-1L18



LFRE-1T24



LFRE-1Z1



LFRE-1
Patented

Probe Specifications LFRE-1

Mechanical

Full Travel: .250 (6.35)
Recommended Working Travel: .167 (4.24)
Mechanical Life Exceeds: 5 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: 6 amps
Maximum continuous current, non-inductive at working travel

Average Probe Resistance

10 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: .053/.055 (1.35/1.40)

Recommended Wire Gauge: 24-28 AWG

Connections:

LTR-1W Crimp
LTR-1W-1 Solder cup
LTR-1W-2 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: Phosphor bronze, gold plated

Spring Force in oz. (grams)

Spring Type Preload 2/3 Travel

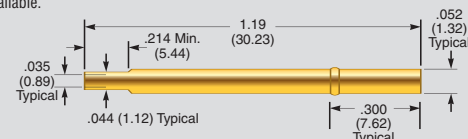
To order, add dash number to Model Number.

Alternate	-6	2.88 (82)	6.0 (170)
Elevated	-7	2.59 (73)	7.0 (198)
High	-8	3.24 (92)	8.0 (227)
Ultra High*	-10	4.04 (115)	10.0 (283)

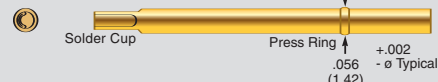
* May observe slight decrease in cycle life

Optional spring forces and materials are available.

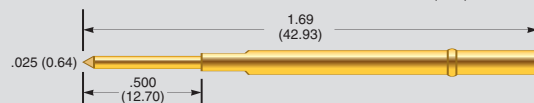
LTR-1W



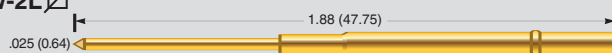
LTR-1W-1



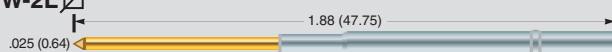
LTR-1W-2



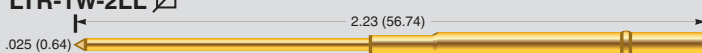
LTR-1W-2L



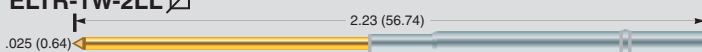
ELTR-1W-2L



LTR-1W-2LL



ELTR-1W-2LL



Loaded PCB Test Probes



Actual
Size



Dimensions in inches (millimeters)