

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-72

Mechanical

Full Travel: .250 (6.35)
Recommended Working Travel: .167 (4.24)
Mechanical Life Exceeds: 5 x 10⁵ cycles

Operating Temperature

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

Electrical (Static Conditions)

Current Rating: 3 amps
maximum continuous current, non-inductive at working travel

Average Probe Resistance

15 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:

.039 (0.99)
A #61 drill is most commonly used.

Recommended Wire Gauge:

28-30 AWG

Connections:

HPR-72W Crimp (To order
with 30 inches of 28 or 30
AWG wire attached, add -28
or -30 to model number).

HPR-72W-1 Solder cup

HPR-72W-4 FASTITE™ wire
termination (30 AWG only),
max. insulation diameter =
.019 (0.48), wire strip
length = .125 (3.2)

DS-62-1 Insulation sleeve
for HPR-72W-4. One
sleeve is provided with
each **FASTITE™** receptacle
at no charge. Consult
factory for price/delivery
on additional quantities.

Materials and Finishes

Work-hardened beryllium copper,
HPA-Gold™ plated (I.D. and
O.D.) over hard nickel.

Spring Force in oz. (grams)

Spring Type	Preload	2/3 Travel
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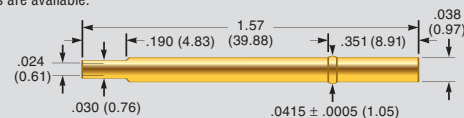
To order, add dash number to Model Number.

Alternate -6	2.63 (75)	6.0 (170)
Elevated -7	2.05 (58)	7.0 (198)
High -8	3.18 (90)	8.0 (227)
Ultra High* -10	3.99 (113)	10.0 (283)

* May observe slight decrease in cycle life

Optional spring forces and materials are available.

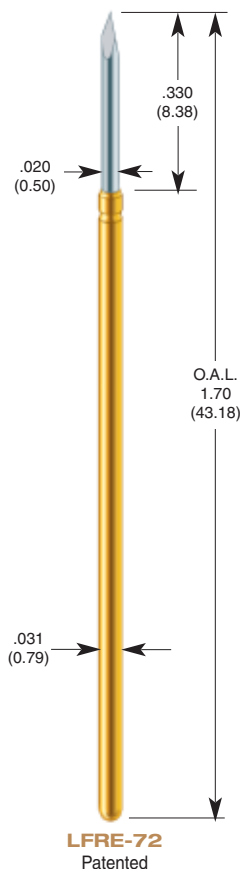
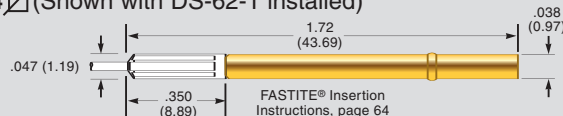
HPR-72W



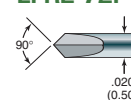
HPR-72W-1



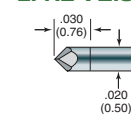
HPR-72W-4 (Shown with DS-62-1 installed)



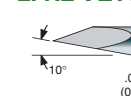
LFRE-72I



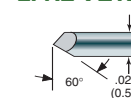
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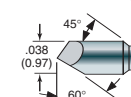
LFRE-72T1



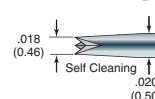
LFRE-72T20



LFRE-72T38



LFRE-72U



Loaded PCB Test Probes



Dimensions in inches (millimeters)

Actual
Size