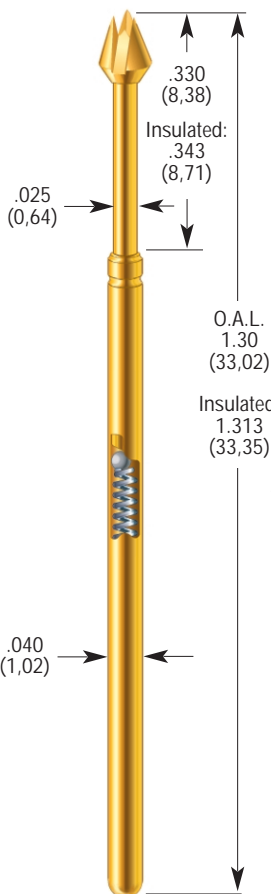
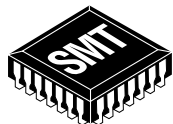
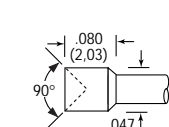


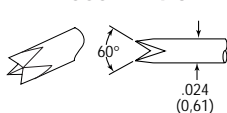
# POGO-1



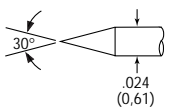
**POGO-1A**



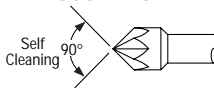
**POGO-1L24  
POGO-1L24-S**



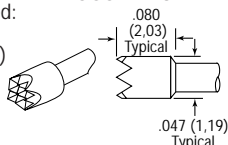
**POGO-1B  
POGO-1B-S**



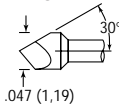
**POGO-1P  
POGO-1P-S**



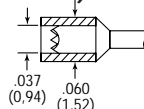
**POGO-1H  
POGO-1H-S**



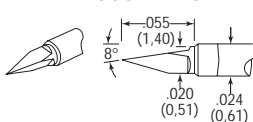
**POGO-1T  
POGO-1T-S**



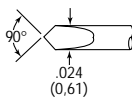
**POGO-1H-INS-8  
(Insulated)**



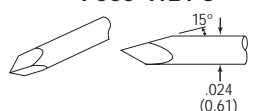
**POGO-1T1  
POGO-1T1-S**



**POGO-1I  
POGO-1I-S**



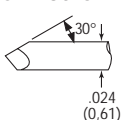
**POGO-1T24  
POGO-1T24-S**



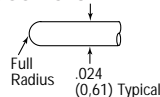
**POGO-1I35-S**



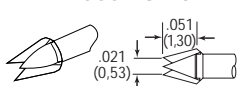
**POGO-1T30  
POGO-1T30-S**



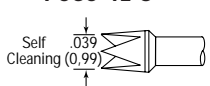
**POGO-1J  
POGO-1J-S**



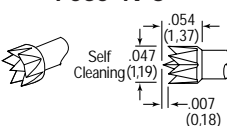
**POGO-1UN  
POGO-1UN-S**



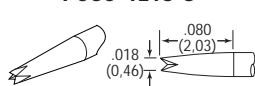
**POGO-1L  
POGO-1L-S**



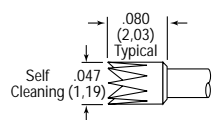
**POGO-1V  
POGO-1V-S**



**POGO-1L18  
POGO-1L18-S**



**POGO-1Z**



## High-Performance Bias Ball Probe For Loaded PCB Testing

### SPECIFICATIONS

PROBE SERIES	POGO-1	POGO-1 STEEL
<b>Mechanical</b>		
Full Travel:	.250 (6,35)	.250 (6,35)
Recommended Working Travel:	.167 (4,24)	.167 (4,24)
Mechanical Life Exceeds:	1 x 10 <sup>6</sup> cycles	1 x 10 <sup>6</sup> cycles
<b>Operating Temperature</b>	-55°C to +105°C Consult factory for other temperature requirements, and applications below -40°C	-55°C to +105°C
<b>Electrical (Static Conditions)</b>		
Current Rating:	6 amps	6 amps
Maximum continuous current, non-inductive at working travel		
<b>Probe Resistance</b>	20 m Ω With a standard deviation of <3 mV @ 25 mA test current	15 m Ω
<b>Materials and Finishes</b>		
Plunger:	Heat-treated beryllium copper, gold-plated over hard nickel	Heat-treated tool steel, 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

### RECEPTACLE SPECIFICATIONS (Uses Insertion Tool #ARIT40)

<b>Mounting Hole Size:</b>	.053/.055 (1,35/1,40)	.053/.055 (1,35/1,40)
<b>Suggested Drill Size:</b>	#54 or 1,4 mm	
<b>Recommended Wire Gauge:</b>	24-28 AWG	24-28 AWG
<b>Connections:</b>	<b>LTR-1W Crimp</b> <b>LTR-1W-1 Solder cup</b> <b>LTR-1W-2 Wire wrap/square post.</b> Vacuum leak rate not to exceed 1 x 10 <sup>-4</sup> CFM @ 15 psi <b>SR40-2L Wire wrap, square post</b> <b>SR40-2LL Wire wrap, square post</b>	<b>LTR-1W Crimp</b> <b>LTR-1W-1 Solder cup</b> <b>LTR-1W-2 Wire wrap/square post.</b> Vacuum leak rate not to exceed 1 x 10 <sup>-4</sup> CFM @ 15 psi <b>SR40-2L Wire wrap, square post</b> <b>SR40-2LL Wire wrap, square post</b>

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

### SPRING FORCE +/- 20% IN OZ. (GRAMS)

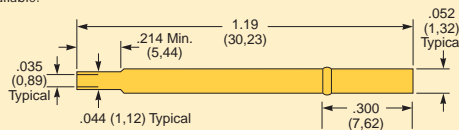
Spring Type	Preload	2/3 Travel
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To order, add dash number to Model Number.

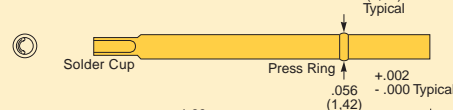
Light	-2	0.72 (20)	2.0 (57)	
Standard	as shown	-4	1.47 (42)	4.0 (114)
Alternate		-6	1.73 (49)	6.0 (170)
High		-8	1.20 (34)	8.0 (227)
Ultra High		-10	3.50 (99)	10.0 (283)

Optional spring forces and materials are available.

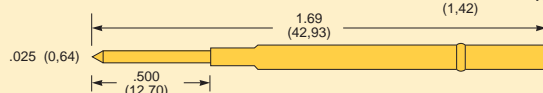
**LTR-1W**



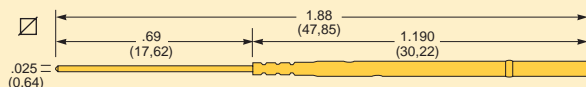
**LTR-1W-1**



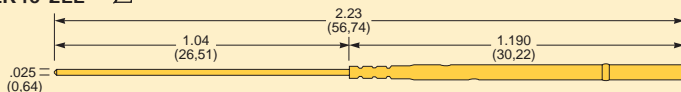
**LTR-1W-2**



**LR40-2L**



**LR40-2LL**



**Pogo Plus**