

TRONIC

测试探针 TEST PROBES

• In-Circuit/Functional Test • (ICT/FCT) Test Probes • PCBA 测试探针 •



www.tronic-elec.com

Contents

Part Number 型号	Pitch 间距	Test Center 中心距离(mm)	Overall Length 总长度(inch/mm)	Barrel Diameter 针管直径(mm)	Full Travel 总行程(mm)	Page 页
Board Marker Probes 标记探针						
BMP-1	-	-	1.97"(48.51mm)	0.467"(11.86mm)	0.125"(3.18mm)	6
BMP-1-S	-	-	1.97"(48.51mm)	0.467"(11.86mm)	0.125"(3.18mm)	6
BMP-3	-	-	1.97"(48.51mm)	0.472"(11.99mm)	0.125"(3.18mm)	6
Loaded PCB Test Probes 测试探针						
POGO-62	50mil	0.050"(1.27mm)	1.70"(43.18mm)	0.031"(0.79mm)	0.250"(6.35mm)	23
POGO-72	50mil	0.050"(1.27mm)	1.70"(43.18mm)	0.031"(0.79mm)	0.250"(6.35mm)	7
POGO-1	75mil	0.075"(1.91mm)	1.30"(33.02mm)	0.040"(1.02mm)	0.250"(6.35mm)	8
POGO-25	100mil	0.100"(2.54mm)	1.30"(33.02mm)	0.054"(1.37mm)	0.250"(6.35mm)	9
Lead Free Test Probes 测试探针						
LFRE-72	50mil	0.050"(1.27mm)	1.70"(43.18mm)	0.031"(0.79mm)	0.250"(6.35mm)	10
FBP-050	50mil	0.050"(1.27mm)	1.70"(43.18mm)	0.031"(0.79mm)	0.250"(6.35mm)	10
LFRE-1	75mil	0.075"(1.91mm)	1.30"(33.02mm)	0.040"(1.02mm)	0.250"(6.35mm)	11
FBP-075	75mil	0.075"(1.91mm)	1.30"(33.02mm)	0.040"(1.02mm)	0.250"(6.35mm)	11
LFRE-25	100mil	0.100"(2.54mm)	1.30"(33.02mm)	0.054"(1.37mm)	0.250"(6.35mm)	12
FBP-100	100mil	0.100"(2.54mm)	1.30"(33.02mm)	0.054"(1.37mm)	0.250"(6.35mm)	12
Long Travel Test Probes 加长测试探针						
GLP-050	50mil	0.050"(1.27mm)	1.85"(46.99mm)	0.031"(0.79mm)	0.400"(10.16mm)	13
GLP-075	75mil	0.075"(1.91mm)	1.45"(36.83mm)	0.040"(1.02mm)	0.400"(10.16mm)	14
GLP-100	100mil	0.100"(2.54mm)	1.46"(37.08mm)	0.054"(1.37mm)	0.400"(10.16mm)	15
Long Travel Bead Test Probes 加长测试探针						
GBP-075	75mil	0.075"(1.91mm)	1.45"(36.83mm)	0.040"(1.02mm)	0.400"(10.16mm)	16
GBP-100	100mil	0.100"(2.54mm)	1.46"(37.08mm)	0.054"(1.37mm)	0.400"(10.16mm)	17
Flat Technologies Test Probes 平头技术测试探针						
EDGE-1	75mil	0.075"(1.91mm)	1.30"(33.02mm)	0.040"(1.02mm)	0.250"(6.35mm)	18
EDGE-25	100mil	0.100"(2.54mm)	1.30"(33.02mm)	0.054"(1.37mm)	0.250"(6.35mm)	19
Loaded PCB Test Probes 测试探针						
GPA-50B	50mil	0.050"(1.27mm)	1.09"(27.69mm)	0.028"(0.71mm)	0.160"(4.06mm)	20
GPA-075	75mil	0.075"(1.91mm)	1.30"(33.02mm)	0.040"(1.02mm)	0.250"(6.35mm)	21
GPA-100	100mil	0.100"(2.54mm)	1.30"(33.02mm)	0.054"(1.37mm)	0.250"(6.35mm)	22
Wireless Receptacles 双头针套						
GWR-050	50mil	0.050"(1.27mm)	1.71"(43.43mm)	0.039"(0.99mm)	0.160"(4.06mm)	23
GWR-075	75mil	0.075"(1.91mm)	1.71"(43.43mm)	0.052"(1.32mm)	0.160"(4.06mm)	24
GWR-100	100mil	0.100"(2.54mm)	1.71"(43.43mm)	0.066"(1.68mm)	0.160"(4.06mm)	24

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Part Number 型号	Pitch 间距	Test Center 中心距离(mm)	Overall Length 总长度(inch/mm)	Barrel Diameter 针管直径(mm)	Full Travel 总行程(mm)	Page 页
Fine Pitch Test Probes 小间距测试探针						
MXP-39	39mil	0.039"(1.00mm)	1.491"(37.85mm)	0.030"(0.76mm)	0.167"(4.24mm)	25
MXL-39	39mil	0.039"(1.00mm)	1.641"(41.68mm)	0.030"(0.76mm)	0.315"(8.00mm)	25
MXP-50	50mil	0.050"(1.27mm)	1.491"(37.85mm)	0.037"(0.94mm)	0.167"(4.24mm)	26
MXL-50	50mil	0.050"(1.27mm)	1.641"(41.68mm)	0.037"(0.94mm)	0.167"(4.24mm)	26
Test System Interface Probes 测试系统介面探针						
GPA-2BL	100mil	0.100"(2.54mm)	0.880"(22.35mm)	0.054"(1.37mm)	0.160"(4.06mm)	27
GPA-2BB	100mil	0.100"(2.54mm)	0.845"(21.46mm)	0.054"(1.37mm)	0.125"(3.18mm)	27
GPA-2T	100mil	0.100"(2.54mm)	0.900"(22.87mm)	0.054"(1.37mm)	0.167"(4.25mm)	27
POGO-25HM-4	100mil	0.100"(2.54mm)	1.300"(33.02mm)	0.054"(1.37mm)	0.250"(6.35mm)	28
GPA-25T-4	100mil	0.100"(2.54mm)	1.300"(33.02mm)	0.054"(1.37mm)	0.160"(4.06mm)	28
POGO-25T-4	100mil	0.100"(2.54mm)	1.300"(33.02mm)	0.054"(1.37mm)	0.250"(6.35mm)	28
PP3070-S	-	-	-	-	-	28
ATE Interface Pins 转接 Pins						
SPP-012	-	-	0.700"(17.78mm)	0.043"(1.09mm)	-	29
SPP-013	-	-	0.693"(17.60mm)	0.043"(1.09mm)	-	29
SPP-014	-	-	0.700"(17.78mm)	0.060"(1.52mm)	-	29
SPP-015	-	-	0.700"(17.78mm)	0.068"(1.73mm)	-	29
SPP-016	-	-	0.875"(22.23mm)	0.068"(1.73mm)	-	29
SPP-020	-	-	0.656"(16.66mm)	0.072"(1.83mm)	-	29
SPP-021	-	-	0.563"(14.30mm)	0.072"(1.83mm)	-	29
SPP-022	-	-	0.700"(17.78mm)	0.072"(1.83mm)	-	29
SPP-023	-	-	0.700"(17.78mm)	0.072"(1.83mm)	-	29
SPP-025	-	-	0.643"(16.33mm)	0.072"(1.83mm)	-	29
SPP-026	-	-	0.586"(14.88mm)	0.072"(1.83mm)	-	29
SPP-027	-	-	0.896"(22.76mm)	0.075"(1.91mm)	-	29
SPP-028	-	-	0.375"(9.53mm)	0.157"(4.00mm)	-	29
SPP-031	-	-	0.557"(14.15mm)	0.173"(4.40mm)	-	29
Tools 工具						
Tools	-	-	-	-	-	30



PogoPlus Bias Ball Design

The PogoPlus internal bias ball design guarantees uninterrupted electrical contact with the probe sidewall virtually eliminating probe related false opens

PogoPlus 独特的内部侧压球专利设计，使其能在整个针颈垂直行程中，与针管内壁常保紧密接触，从而达成电阻量测值的前后一致性，避免发生与探针有关的假性开路



Conventional Bias Design

Angle of spring coil end matches biased plunger end, compromising bias force and electrical contact

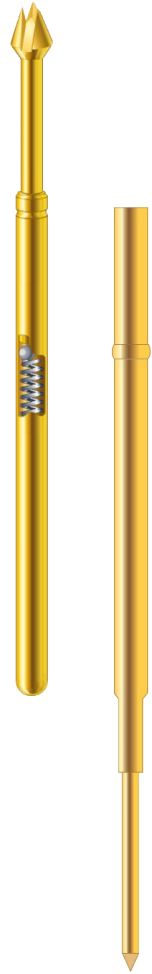
老式传统侧压设计，针颈斜切侧压面需与弹簧线圈末端之角度相符，只能勉强求得侧压力与电性接触间的妥协



PogoPlus Bias Design

The enhance bias-ball design forces contact between plunger and barrel wall at all times, virtually eliminating probe-related false opens

PogoPlus 的侧压球设计，迫使针颈与针管内壁永保接触，完全消除与探针有关的假性开路



LFRE Bias Ball Design

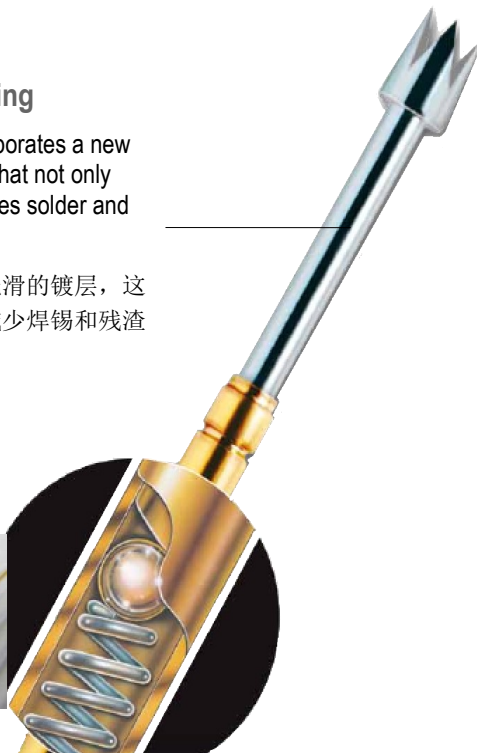
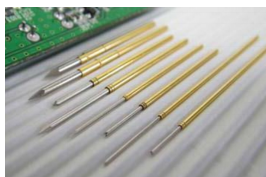
New Lead Free probe line incorporates a number of features that will significantly reduce the issues that arise when switching to lead free solder as well as those contact issues that arise with OSP and Non-Clean solder flux

具有专利的无铅探针所具备的特性，能显著地减少无铅焊锡在 OSP 和免清洗制程情况下的接触问题

New Proprietary Plating

Lead Free probe line incorporates a new harder and Slicker plating that not only resists wear but also reduces solder and debris transfer

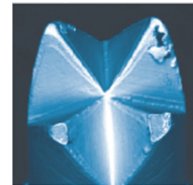
无铅探针具备更硬，更光滑的镀层，这不仅能防止磨损，还能减少焊锡和残渣的依附



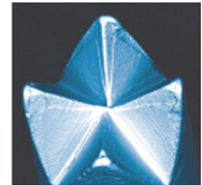
LFRE Plating vs The Industry Standard Plating

无铅镀层和工业标准的比较

Plating Wear 镀层磨损

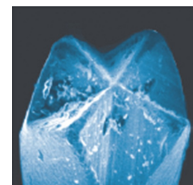


Industrial Standard Gold
工业标准金

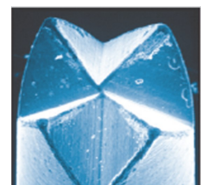


New Proprietary Plating
新专利镀层

Contaminant Transfer 污染物的附着

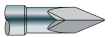
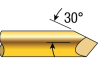
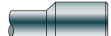


Industrial Standard Gold
工业标准金

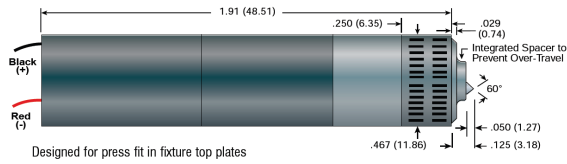


New Proprietary Plating
新专利镀层

TIP STYLE 针头类型

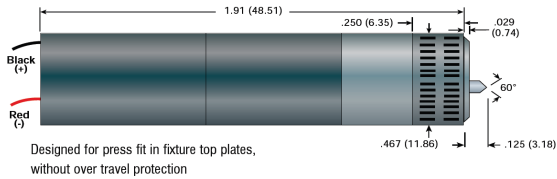
A		I35		T1	
B		I40		T10	
C1		J		T36	
C2		J		T20	
D		L		T30	
D1		L18		TJ	
E		L24		U	
F		L36		UN	
FP		L30		V	
G		N3		X	
H		N4		Z	
H30		NP3		Z1	
H-INS		P		I	
HM		R		I15	
HM-INS		R2		HC	
I		SU		H80	
I8		T		H35	
I15		T38		H24	

BMP-1
BMP-1-S
BMP-3

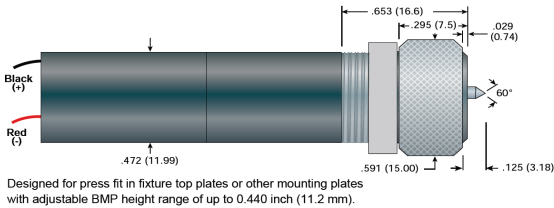


BMP-1

标记探针



BMP-1-S



BMP-3

The BMP Board Marker Probe patented design is for installation on board or loaded board test fixtures. When your tester is equipped with the appropriate electronics and software, the BMP scribes a permanent 0.050"(1.27mm) circle on every "passed" PCB or device tested. Board that fail the test are not marked. The risk of human error is eliminated in PCB testing and sorting.

The unit requires less than 0.500"(1.27mm) of fixture area. It is designed to mark board areas of bare glass (FR4), solder mask over glass or copper, or bare tinned copper.

The BMP includes a mounting receptacle and a motor/transmission assembly. It can be easily removed from the receptacles for use in other fixtures. Spare receptacles and tip replacement assemblies are available. The thread between receptacle and housing is 7/16-20UNF.

BMP 标记探针具有专利设计，广泛应用于功能测试和 ICT 在线测试。当测试夹具上配备了适当的电源和软件，该产品就会在每一块合格的线路板上划上一个直径 0.05"(1.27mm)的圆形永久标记。不合格的线路板上将不会留有标记。该产品的最大优势完全自动化标记，避免了人为误测的风险。

标记设置需要至少 0.05"(1.27mm)的区域，可以在不同的材料上刻记，如 FR4，纤维板，阻焊层或者裸铜线。

BMP 产品内已包含带有压环的内置针套，并配备了电动机/传动器配件。该产品可以反复使用，而且安装简单，也较容易卸下并用于其他夹具。该产品配有零件更换。

SPECIFICATION 规格

	BMP-1	BMP-1-S	BMP-3
Mechanical Specification 机械性能			
Full Marker Tip Travel 总行程:	0.062" (1.57mm)	0.062" (1.57mm)	0.062" (1.57mm)
Recommended Travel 建议行程:	0.050" (1.27mm)	0.050" (1.27mm)	0.050" (1.27mm)
Direction of rotation 旋转方向:	Counter close wise 逆时针方向		
Scribed Diameter 划孔直径:	0.050" (1.27mm)	0.050" (1.27mm)	0.050" (1.27mm)
Hole Diameter 安装孔直径:	0.468" (11.89mm)	0.468" (11.89mm)	0.610" (15.5mm)
Suggested Drill 建议打孔钻头:	15/32 (in) or 11.90mm	15/32 (in) or 11.90mm	39/64 (in) or 15.5mm

Electrical Specification 电性能

Current Rating 电流:	50 mA	50 mA	50 mA
Voltage 电压:	15 VDC	15 VDC	15 VDC
Recommended Duty Cycle 建议的工作周期:	1 Sec. On (min.), 5 Sec off	1 秒开(分钟), 5 秒关	

Materials and Finishes 材料及表面处理

Plunger Tip 针头:	Carbide 碳化物
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Order Components or tools 配件和工具的订购

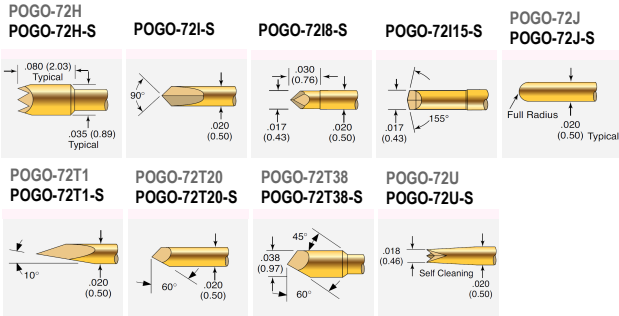
BMP-1,BMP-1-S,BMP-3:	Probe and receptacle, wires and connector attached, mating connector supplied (-red, +black) 包含探针组合，连接线以及连接器 (-红色, +黑色)
BMR-1, BMR-3:	Receptacle only 内置针套
BMT-1,BMT-3:	Tip replacement assembly for both BMP-1, BMP-1-S, BMP-3 适合 BMP-1,BMP-1-S,BMP-3 更换针头组件
RIT-BMP:	Receptacle insertion tool for BMR-1 适合 BMR-1 的针套插入工具



High Performance Bias Ball Probes

POGO-72
POGO-72-S

TIP STYLE 针头



Materials and Finishes 材料及表面处理

Plunger 针头:	
POGO-72	Heat-treated Beryllium Copper, Gold plated over hard Nickel 特殊处理的高性能铍铜材料, 表面镀镍外加镀金
POGO-72-S	Heat-treated tool Steel, Gold plated over hard Nickel 特殊处理的钢材料, 表面镀镍外加镀金
Barrel 针管:	Work-hardened Beryllium Copper, Gold plated over hard Nickel (I.D. and O.D.) 硬化处理的铍铜材料, 内外壁表面镀镍外加镀金
Spring 弹簧:	Music Wire 钢丝琴线
Ball 球:	Stainless Steel 不锈钢材质

SPECIFICATION 规格

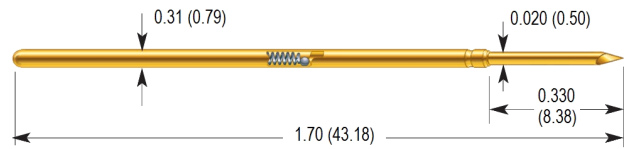
Mounting hole size 孔直径:	0.039" (0.99mm)
Recommended wire 建议配线:	28-30 AWG
Suggested drill 建议打孔钻头:	#61 or 0.99mm

Material Housing 材料:	Hardened Beryllium Copper, Gold plated over hard Nickel (I.D. and O.D.) 硬化处理的高性能铍铜材料, 内外壁表面镀镍外加镀金
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ORDER PART 型号订购

POGO-72	H	-8	-S	Plunger Material 针头材料
Probe Model 系列型号	Tip 针头	Spring Force 弹力系数	No S = Beryllium Copper 铍铜	S = Steel 钢

50mil (1.27mm) 测试探针



SPECIFICATION 规格

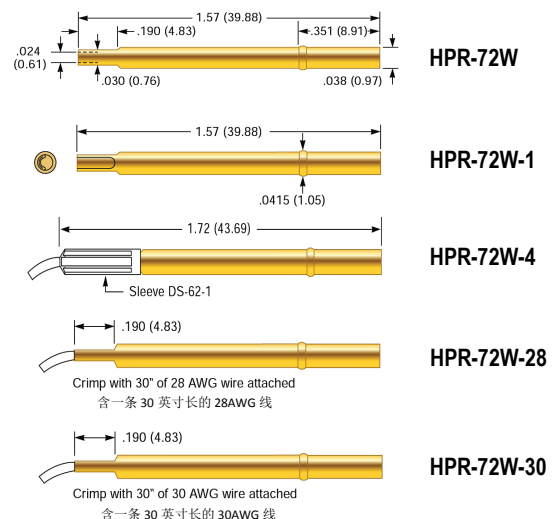
Mechanical and Electrical 机械和电解性能

Full Travel 总行程:	0.250" (6.35mm)
Recommended Travel 建议行程:	0.167" (4.24mm)
Mechanical Life Cycles 机械寿命:	1 x 10 ⁶
Operating Temperature 操作温度:	-55°C to +105°C
Current Rating 电流:	3 amps
Average Probe Resistance 平均探针阻抗值:	<15 mOhms

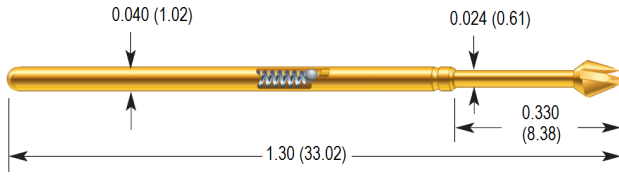
Spring Force in oz. (gram) 弹力系数

Spring Type 弹力类型	Preload 初压	2/3 Travel (2/3 行程)
Light	-2	0.60oz (17g)
Standard	-4	1.53oz (43g)
Alternate	-6	2.14oz (61g)
Elevated	-7	2.67oz (76g)
High	-8	3.12oz (88g)
Ultra High	-10	3.38oz (96g)

Receptacles 针套



75mil (1.91mm) 测试探针



SPECIFICATION 规格

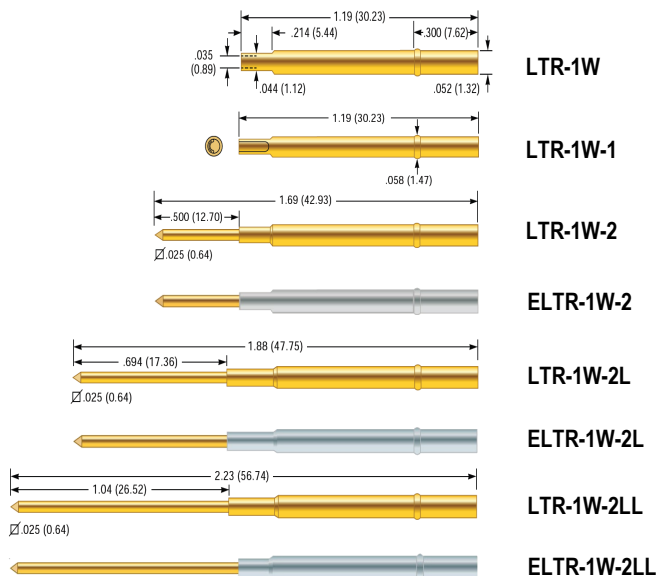
Mechanical and Electrical 机械和电解性能

Full Travel 总行程:	0.250" (6.35mm)
Recommended Travel 建议行程:	0.167" (4.24mm)
Mechanical Life Cycles 机械寿命:	1 x 10 ⁶
Operating Temperature 操作温度:	-55°C to +105°C
Current Rating 电流:	6 amps
Average Probe Resistance 平均探针阻抗值:	<10 mOhms

Spring Force in oz. (gram) 弹力系数

Spring Type 弹力类型	Preload 初压	2/3 Travel (2/3 行程)
Light -2	0.83oz (24g)	2.0oz (57g)
Standard -4	0.62oz (18g)	4.0oz (114g)
Alternate -6	2.39oz (68g)	6.0oz (170g)
Elevated -7	1.68oz (48g)	7.0oz (198g)
High -8	1.73oz (49g)	8.0oz (227g)
Ultra High -10	2.84oz (81g)	10.0oz (283g)

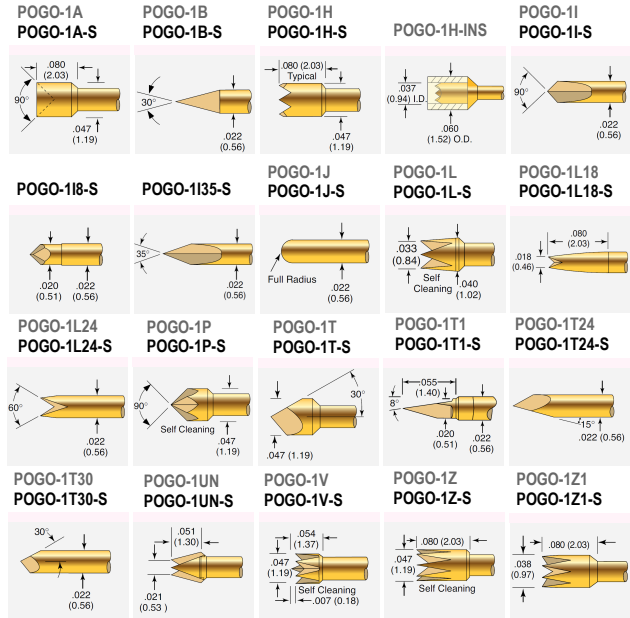
Receptacles 针套



High Performance Bias Ball Probes

POGO-1 POGO-1-S

TIP STYLE 针头



Materials and Finishes 材料及表面处理

Plunger 针头:	POGO-1	Heat-treated Beryllium Copper, Gold plated over hard Nickel
	POGO-1-S	特殊处理的高性能铍铜材料, 表面镀镍外加镀金
Barrel 针管:		Heat-treated tool Steel, Gold plated over hard Nickel
		特殊处理的钢材料, 表面镀镍外加镀金
		Work-hardened Phosphor Bronze, Gold plated over hard Nickel (I.D. and O.D.)
		硬化处理的磷青铜材料, 内外壁表面镀镍外加镀金
Spring 弹簧:		Music Wire 钢丝琴线
Ball 球:		Stainless Steel 不锈钢材质

SPECIFICATION 规格

Mounting hole size 孔直径:	0.053"~0.055" (1.35mm~1.40mm)
Recommended wire 建议配线:	24~28 AWG
Suggested drill 建议打孔钻头:	#54 or 1.40mm

Material Housing 针套材料:

LTR:	Nickel Silver, Gold plated over Nickel (I.D. and O.D.)
	镍银材料, 内外壁表面镀镍外加镀金
ELTR:	Nickel Silver, unplated
	高性能镍银材料, 表面无镀层

Material Post 针尾材料:

	Phosphorous Bronze, Gold plated
	磷青铜材料, 表面镀金

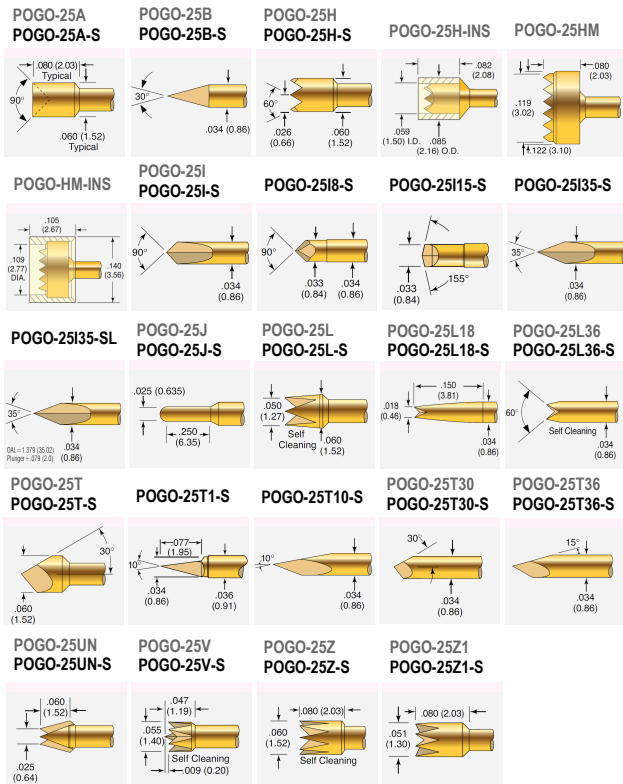
ORDER PART 型号订购

POGO-1	A -8 -S	Plunger Material 针头材料
Probe Model 系列型号	Tip 针头	No S = Beryllium Copper 铍铜
	Spring Force 弹力系数	S = Steel 钢

100mil (2.54mm) 测试探针

POGO-25
POGO-25-S

TIP STYLE 针头



Materials and Finishes 材料及表面处理

Plunger 针头:

POGO-25

Heat-treated Beryllium copper, Gold plated over hard Nickel
特殊处理的高性能铍铜材料，表面镀镍外加镀金

POGO-25-S

Heat-treated tool steel, Gold plated over hard Nickel
特殊处理的钢材料，表面镀镍外加镀金

Barrel 针管:

Work-hardened Phosphor Bronze, Gold plated over hard Nickel (I.D. and O.D.)

Spring 弹簧:

Music Wire 钢丝琴线

SPECIFICATION 规格

Mounting hole size 孔直径: 0.067"~0.069" (1.70mm~1.75mm)

Recommended wire 建议配线: 22~26 AWG

Suggested drill 建议打孔钻头: #51 or 1.75mm

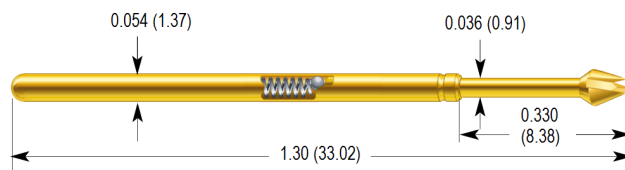
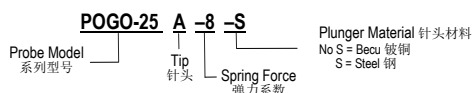
Material Housing 材料:

LTR: Nickel Silver, Gold plated over Nickel (I.D. and O.D.)
镍银材料，内外壁表面镀镍外加镀金

ELTR: Nickel Silver, unplated
高性能镍银材料，表面无镀层

Material Post 针尾材料: Phosphorous Bronze, Gold plated
磷青铜材料，表面镀金

ORDER PART 型号订购



SPECIFICATION 规格

Mechanical and Electrical 机械和电解性能

Full Travel 总行程:

0.250" (6.35mm)

Recommended Travel 建议行程:

0.167" (4.24mm)

Mechanical Life Cycles 机械寿命:

 1×10^6

Operating Temperature 操作温度:

-55°C to +105°C

Current Rating 电流:

8 amps

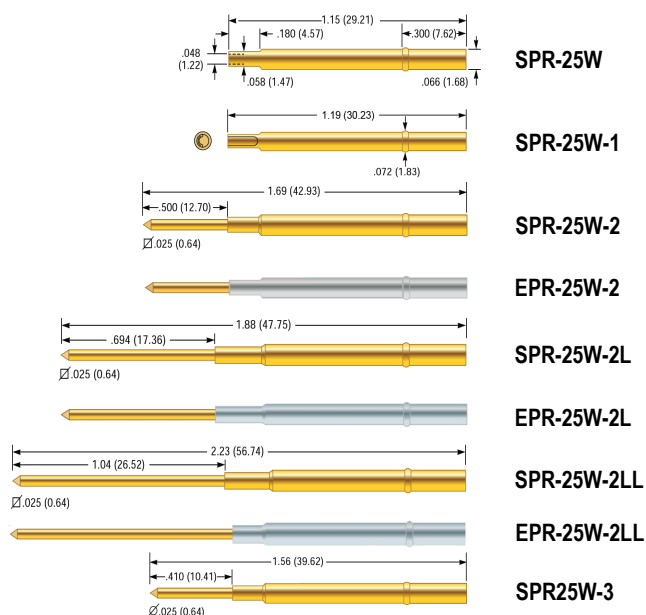
Average Probe Resistance 平均探针阻抗值:

<8 mOhms

Spring Force in oz. (gram) 弾力系数

Spring Type 弹力类型		Preload 初压	2/3 Travel (2/3 行程)
Light	-2	0.75oz (21g)	2.0oz (57g)
Standard	-4	1.50oz (43g)	4.0oz (114g)
Alternate	-6	2.58oz (73g)	6.0oz (170g)
Elevated	-6.5	2.65oz (75g)	6.5oz (184g)
High	-8	2.55oz (72g)	8.0oz (227g)
Ultra High	-10	1.77oz (50g)	10.0oz (283g)
Super	-16	3.93oz (111g)	16.0oz (455g)

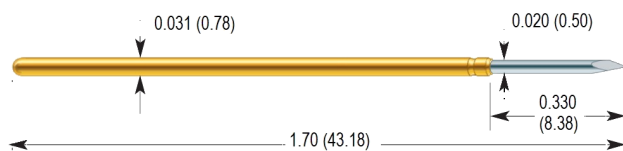
Receptacles 针套



50mil (1.27mm) 测试探针

LFRE-72

FBP-050



SPECIFICATION 规格

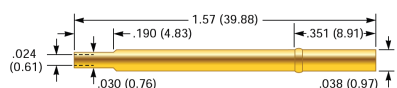
Mechanical and Electrical 机械和电解性能

Full Travel 总行程:	0.250" (6.35mm)
Recommended Travel 建议行程:	0.167" (4.24mm)
Mechanical Life Cycles 机械寿命:	5 x 10 ⁶
Operating Temperature 操作温度:	-55°C to +105°C
Current Rating 电流:	3 amps
Average Probe Resistance 平均探针阻抗值:	<15 mOhms

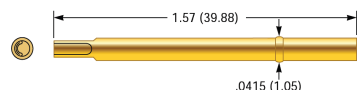
Spring Force in oz. (gram) 弹力系数

Spring Type 弹力类型	Preload 初压	2/3 Travel (2/3 行程)
Light -2	0.60oz (17g)	2.0oz (57g)
Standard -4	1.53oz (43g)	4.0oz (114g)
Alternate -6	2.14oz (61g)	6.0oz (170g)
Elevated -7	2.67oz (76g)	7.0oz (198g)
High -8	3.12oz (88g)	8.0oz (227g)
Ultra High -10	3.38oz (96g)	10.0oz (283g)

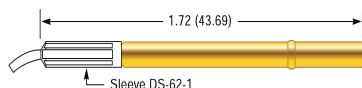
Receptacles 针套



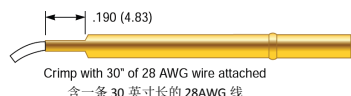
HPR-72W



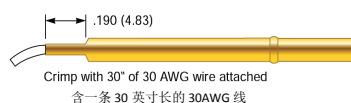
HPR-72W-1



HPR-72W-4



HPR-72W-28



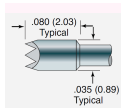
HPR-72W-30

High Performance Lead Free Probes

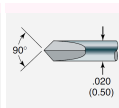
LFRE-72
FBP-050

TIP STYLE 针头

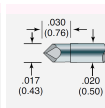
LFRE-72H



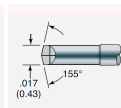
LFRE-72I



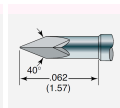
LFRE-72I8



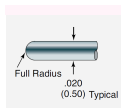
LFRE-72I15



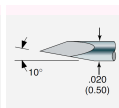
LFRE-72I40



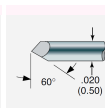
LFRE-72J



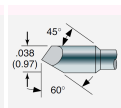
LFRE-72T1



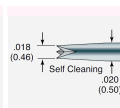
LFRE-72T20



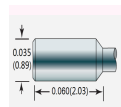
LFRE-72T38



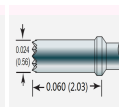
LFRE-72U



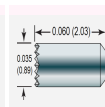
FBP-050F



FBP-050H24



FBP-050H35



Materials and Finishes 材料及表面处理

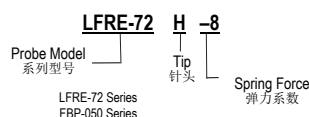
Plunger 针头:	High performance alloy, LFRE proprietary plating 高性能合金材料, 表面无铅制成镀层
Barrel 针管:	Work-hardened Phosphor Bronze, Gold plated over hard Nickel (I.D. and O.D.) 硬化处理的磷青铜材料, 内外壁表面镀镍外加镀金
Spring 弹簧:	Music Wire 钢丝琴线
Ball 球:	Stainless Steel 不锈钢材质

SPECIFICATION 规格

Mounting hole size 孔直径:	0.039" (0.99mm)
Recommended wire 建议配线:	28-30 AWG
Suggested drill 建议打孔钻头:	#61 or 0.99mm

Material Housing 材料:	Hardened Beryllium Copper, Gold plated over hard Nickel (I.D. and O.D.) 硬化处理的高性能铍铜材料, 内外壁表面镀镍外加镀金
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ORDER PART 型号订购

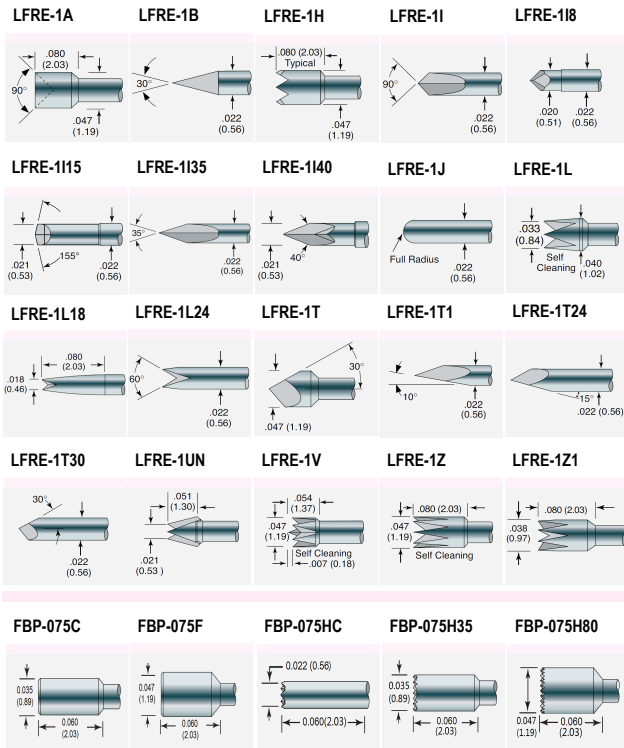


All dimensions are in inch (mm) 所有尺寸为英制 inch(公制 mm)

High Performance Lead Free Probes

LFRE-1
FBP-075

TIP STYLE 针头



Materials and Finishes 材料及表面处理

- Plunger 针头: High performance alloy, LFRE proprietary plating
高性能合金材料, 表面无铅制成镀层
- Barrel 针管: Work-hardened Phosphor Bronze, Gold plated over hard Nickel (I.D. and O.D.)
硬化处理的磷青铜材料, 内外壁表面镀镍外加镀金
- Spring 弹簧: Stainless Steel 不锈钢材质
- Ball 球: Stainless Steel 不锈钢材质

SPECIFICATION 规格

Mounting hole size 孔直径: 0.053"~0.055" (1.35mm~1.40mm)
Recommended wire 建议配线: 24-28 AWG
Suggested drill 建议打孔钻头: #54 or 1.40mm

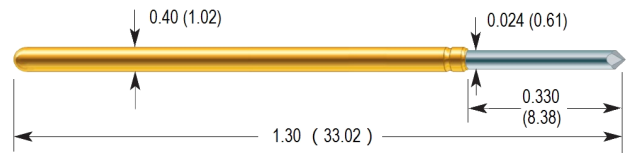
Material Housing 材料:
LTR: Nickel Silver, Gold plated over Nickel (I.D. and O.D.)
镍银材料, 内外壁表面镀镍外加镀金
ELTR: Nickel Silver, unplated
高性能镍银材料, 表面无镀层

Material Post 针尾材料: Phosphorous Bronze, Gold plated
磷青铜材料, 表面镀金

ORDER PART 型号订购

LFRE-1 A -8
Probe Model Tip Spring Force
LFRE-1 Series 针头 弹力系数
FBP-075 Series

75mil (1.91mm) 测试探针



SPECIFICATION 规格

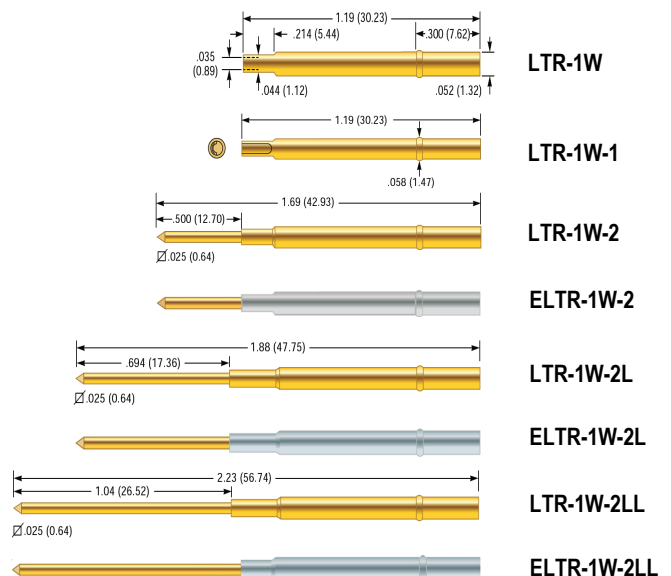
Mechanical and Electrical 机械和电解性能

Full Travel 总行程: 0.250" (6.35mm)
Recommended Travel 建议行程: 0.167" (4.24mm)
Mechanical Life Cycles 机械寿命: 5 x 10⁶
Operating Temperature 操作温度: -55°C to +105°C
Current Rating 电流: 6 amps
Average Probe Resistance 平均探针阻抗值: <10 mOhms

Spring Force in oz. (gram) 弹力系数

Spring Type 弹力类型	Preload 初压	2/3 Travel (2/3 行程)
Light -2	0.72oz (20g)	2.0oz (57g)
Standard -4	0.62oz (18g)	4.0oz (114g)
Alternate -6	2.39oz (68g)	6.0oz (170g)
Elevated -7	1.68oz (48g)	7.0oz (198g)
High -8	1.23oz (35g)	8.0oz (227g)
Ultra High -10	2.84oz (81g)	10.0oz (283g)

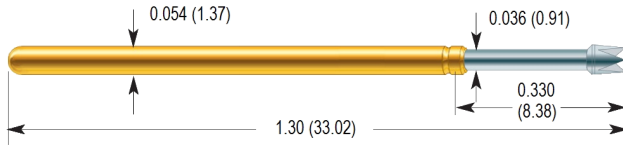
Receptacles 针套



100mil (2.54mm) 测试探针

LFRE-25

FBP-100



SPECIFICATION 规格

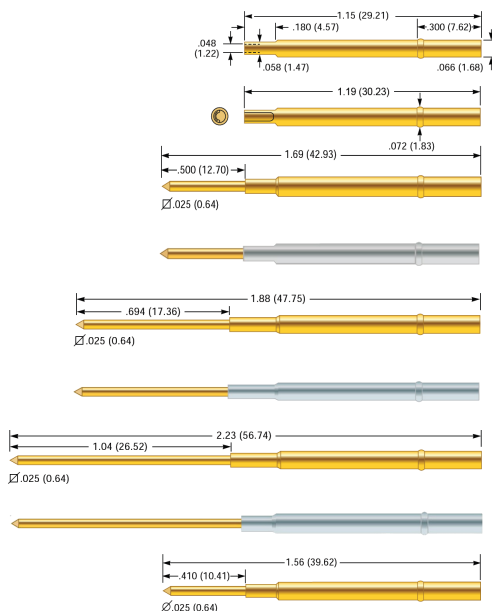
Mechanical and Electrical 机械和电性能

Full Travel 总行程:	0.250" (6.35mm)
Recommended Travel 建议行程:	0.167" (4.24mm)
Mechanical Life Cycles 机械寿命:	1 x 10 ⁶
Operating Temperature 操作温度:	-55°C to +105°C
Current Rating 电流:	8 amps
Average Probe Resistance 平均探针阻抗:	<8 mOhms

Spring Force in oz. (gram) 弹力系数

Spring Type 弹力类型	Preload 初压	2/3 Travel (2/3 行程)
Light -2	0.75oz (21g)	2.0oz (57g)
Standard -4	1.50oz (43g)	4.0oz (114g)
Alternate -6	2.58oz (73g)	6.0oz (170g)
Elevated -6.5	2.65oz (75g)	6.5oz (184g)
High -8	2.55oz (72g)	8.0oz (227g)
Ultra High -10	1.77oz (50g)	10.0oz (283g)
Premium -12	4.49oz (127g)	12.0oz (340g)
Super -16	3.90oz (111g)	16.0oz (455g)

Receptacles 针套



SPR-25W

SPR-25W-1

SPR-25W-2

EPR-25W-2

SPR-25W-2L

EPR-25W-2L

SPR-25W-2LL

EPR-25W-2LL

SPR-25W-3

High Performance Lead Free Probes

LFRE-25
FBP-100

TIP STYLE 针头

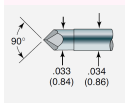
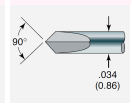
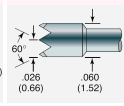
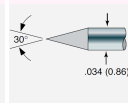
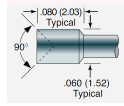
LFRE-25A

LFRE-25B

LFRE-25H

LFRE-25I

LFRE-25I8



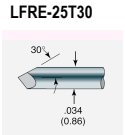
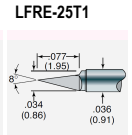
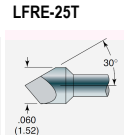
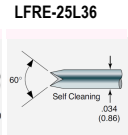
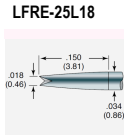
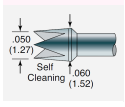
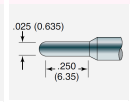
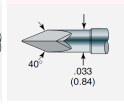
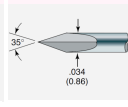
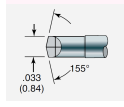
LFRE-25I15

LFRE-25I35

LFRE-25I40

LFRE-25J

LFRE-25L



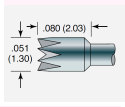
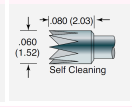
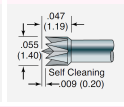
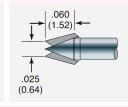
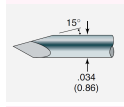
LFRE-25T36

LFRE-25UN

LFRE-25V

LFRE-25Z

LFRE-25Z1

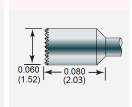
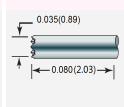
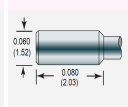
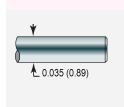


FBP-100C1

FBP-100F

FBP-100H35

FBP-100H80



Materials and Finishes 材料及表面处理

Plunger 针头:	High performance alloy, LFRE proprietary plating 高性能合金, 表面无铅制成镀层
Barrel 针管:	Work-hardened Phosphor Bronze, Gold plated over hard Nickel (I.D. and O.D.) 硬性处理的磷青铜材料, 内外壁表面镀镍外加镀金
Spring 弹簧:	Stainless Steel 不锈钢材质
Ball 球:	Stainless Steel 不锈钢材质

SPECIFICATION 规格

Mounting hole size 孔直径:	0.067"~0.069" (1.70mm~1.75mm)
Recommended wire 建议配线:	22~26 AWG
Suggested drill 建议打孔钻头:	#51 or 1.75mm

Material Housing 针套材料:

LTR:	Nickel Silver, Gold plated over Nickel (I.D. and O.D.) 镍银材料, 内外壁表面镀镍外加镀金
ELTR:	Nickel Silver, unplated 高性能镍银材料, 表面无镀层

Material Post 针尾材料:	Phosphorous Bronze, Gold plated 磷青铜材料, 表面镀金
---------------------	--

ORDER PART 型号订购

LFRE-25	A	-8
Probe Model 系列型号	Tip 针头	Spring Force 弹力系数

All dimensions are in inch (mm) 所有尺寸为英制 inch(公制 mm)

High Performance Long Travel Probes

GLP-050

50mil (1.27mm) 测试探针

GLP-050

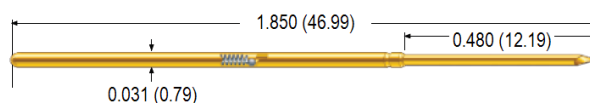
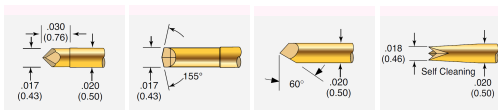
TIP STYLE 针头

GLP-050I8

GLP-050I15

GLP-050T20

GLP-050U



SPECIFICATION 规格

Mechanical and Electrical 机械和电解性能

Full Travel 总行程:	0.400" (10.16mm)
Recommended Travel 建议行程:	0.317" (8.05mm)
Mechanical Life Cycles 机械寿命:	1 x 10 ⁶
Operating Temperature 操作温度:	-40°C to +105°C
Current Rating 电流:	6 amps
Average Probe Resistance 平均探针阻抗值:	<100 mOhms

Materials and Finishes 材料及表面处理

Plunger 针头:	Heat-treated Beryllium copper, Gold plated over hard Nickel 特殊处理的铍铜材料, 表面镀镍外加镀金
Barrel 针管:	Work-hardened Phosphor Bronze, Gold plated over hard Nickel (I.D. and O.D.) 硬性处理的磷青铜材料, 内外壁表面镀镍外加镀金
Spring 弹簧:	Stainless Steel 不锈钢材质
Ball 球:	Stainless Steel 不锈钢材质

Spring Force in oz. (gram) 弹力系数

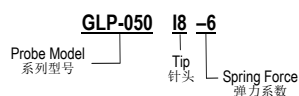
Spring Type 弹力类型	Preload 初压	2/3 Travel (2/3 行程)
Alternate -6	1.85oz (52g)	6.0oz (170g)
High -9	1.90oz (54g)	9.0oz (255g)

SPECIFICATION 规格

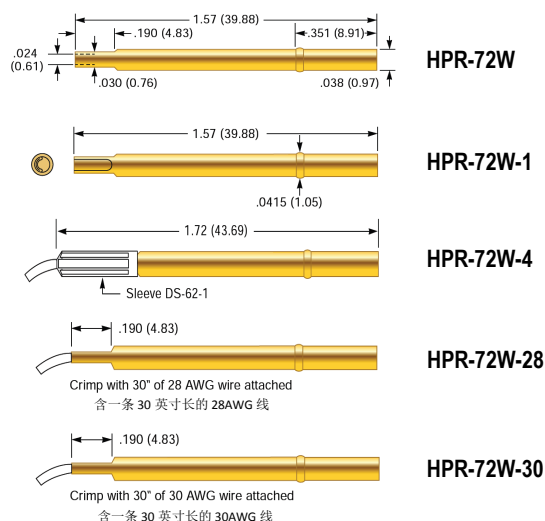
Mounting hole size 孔直径:	0.039" (0.99mm)
Recommended wire 建议配线:	28-30 AWG
Suggested drill 建议打孔钻头:	#61 or 0.99mm

Material Housing 材料:	Hardened Beryllium Copper, Gold plated over hard Nickel (I.D. and O.D.) 硬化处理的高性能铍铜材料, 内外壁表面镀镍外加镀金
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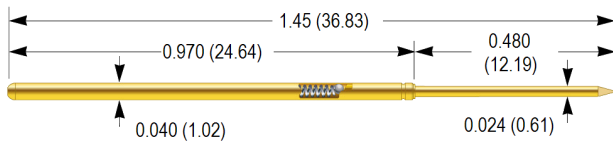
ORDER PART 型号订购



Receptacles 针套



75mil (1.91mm) 测试探针



SPECIFICATION 规格

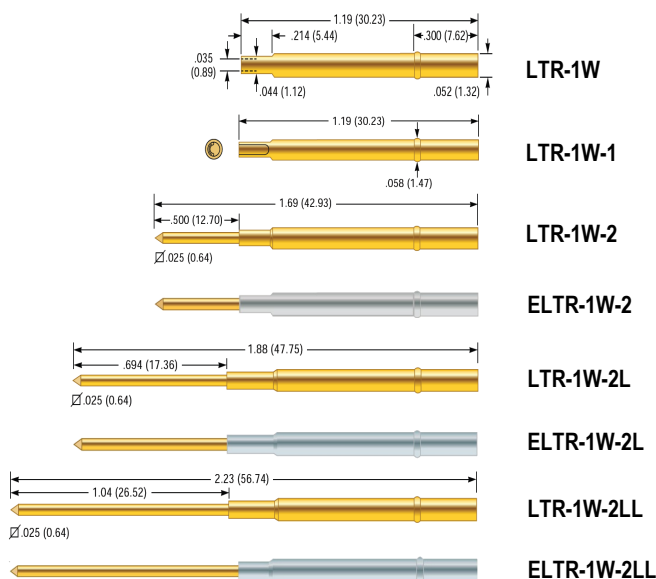
Mechanical and Electrical 机械和电解性能

Full Travel 总行程:	0.400" (10.16mm)
Recommended Travel 建议行程:	0.317" (8.05mm)
Mechanical Life Cycles 机械寿命:	1 x 10 ⁶
Operating Temperature 操作温度:	
Standard	-55°C to +105°C
Elevated	-55°C to +150°C
High	-55°C to +105°C
Current Rating 电流:	6 amps
Average Probe Resistance 平均探针阻抗值:	<10 mOhms

Spring Force in oz. (gram) 弹力系数

Spring Type 弹力类型	Preload 初压	2/3 Travel (2/3 行程)
Standard -4.5	1.09oz (31g)	4.5oz (128g)
Elevated -7	0.75oz (21g)	7.0oz (198g)
Ultra High -9.6	1.51oz (43g)	9.6oz (272g)

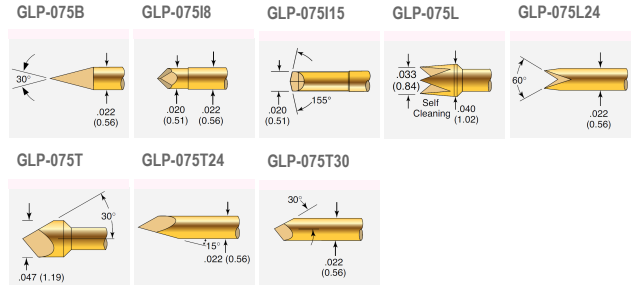
Receptacles 针套



High Performance Long Travel Probes

GLP-075

TIP STYLE 针头



Materials and Finishes 材料及表面处理

Plunger 针头:	Heat-treated Beryllium Copper, Gold plated over hard Nickel 特殊处理的铍铜材料，表面镀镍外加镀金
Barrel 针管:	Work-hardened Phosphor Bronze, Gold plated over hard Nickel (I.D. and O.D.) 硬性处理的磷青铜材料，内外壁表面镀镍外加镀金
Spring 弹簧:	
Standard	Music Wire 钢丝琴线
Elevated	Stainless Steel 不锈钢材质
High	Music Wire 钢丝琴线
Ball 球:	Stainless Steel 不锈钢材质

SPECIFICATION 规格

Mounting hole size 孔直径:	0.053"~0.055" (1.35mm~1.40mm)
Recommended wire 建议配线:	24~28 AWG
Suggested drill 建议打孔钻头:	#54 or 1.40mm

Material Housing 针套材料:

LTR:	Nickel Silver, Gold plated over Nickel (I.D. and O.D.) 镍银材料，内外壁表面镀镍外加镀金
ELTR:	Nickel Silver, unplated 高性能镍银材料，表面无镀层

Material Post 针尾材料:

Phosphorous Bronze, Gold plated 磷青铜材料，表面镀金

ORDER PART 型号订购

GLP-075	B	-7
Probe Model 系列型号	Tip 针头	Spring Force 弹力系数

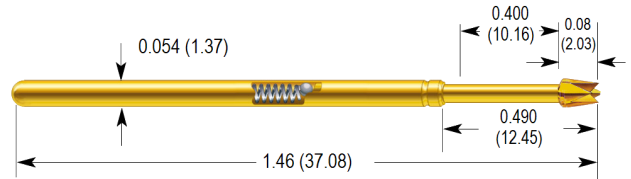
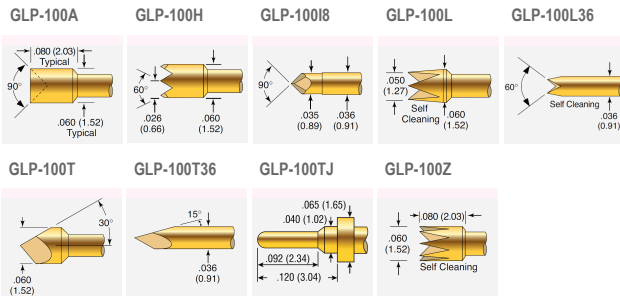
High Performance Long Travel Probes

GLP-100

100mil (2.54mm) 测试探针

GLP-100

TIP STYLE 针头



SPECIFICATION 规格

Mechanical and Electrical 机械和电解性能

Full Travel 总行程:	0.400" (10.16mm)
Full Travel (only GLP-100TJ)	0.340" (8.60mm)
Recommended Travel 建议行程:	0.315" (8.00mm)
Mechanical Life Cycles 机械寿命:	1 x 10 ⁶
Operating Temperature 操作温度:	-55°C to +105°C
Current Rating 电流:	8 amps
Average Probe Resistance 平均探针阻抗值:	<8 mOhms

Materials and Finishes 材料及表面处理

Plunger 针头:	Heat-treated Beryllium copper, Gold plated over hard Nickel 特殊处理的钢或铍铜材料, 表面镀镍外加镀金
Barrel 针管:	Work-hardened Phosphor Bronze, Gold plated over hard Nickel (I.D. and O.D.) 硬性处理的磷青铜材料, 内外壁表面镀镍外加镀金
Spring 弹簧:	Music Wire 钢丝琴线
Ball 球:	Stainless Steel 不锈钢材质

Spring Force in oz. (gram) 弹力系数

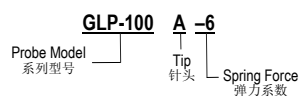
Spring Type 弹力类型	Preload 初压	2/3 Travel (2/3 行程)
Standard -4	1.08oz (31g)	4.0oz (114g)
Alternate -6	0.99oz (28g)	6.0oz (170g)
High -8	0.75oz (21g)	8.0oz (227g)
Ultra High -9.7	1.16oz (33g)	9.7oz (275g)

SPECIFICATION 规格

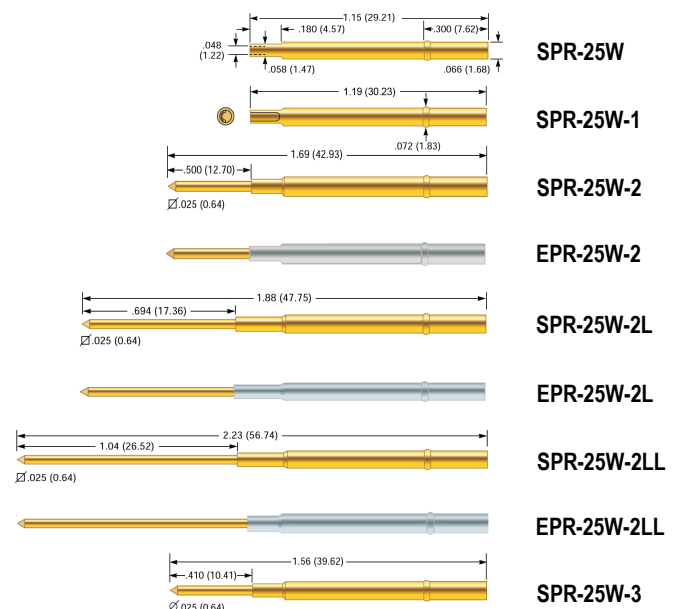
Mounting hole size 孔直径:	0.067"~0.069" (1.70mm~1.75mm)
Recommended wire 建议配线:	22~26 AWG
Suggested drill 建议打孔钻头:	#51 or 1.75mm

Material Housing 针套材料:	
LTR:	Nickel Silver, Gold plated over Nickel (I.D. and O.D.) 镍银材料, 内外壁表面镀镍外加镀金
ELTR:	Nickel Silver, unplated 高性能镍银材料, 表面无镀层
Material Post 针尾材料:	Phosphorous Bronze, Gold plated 磷青铜材料, 表面镀金

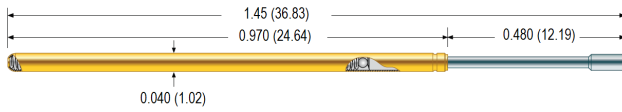
ORDER PART 型号订购



Receptacles 针套



75mil (1.91mm) 测试探针



SPECIFICATION 规格

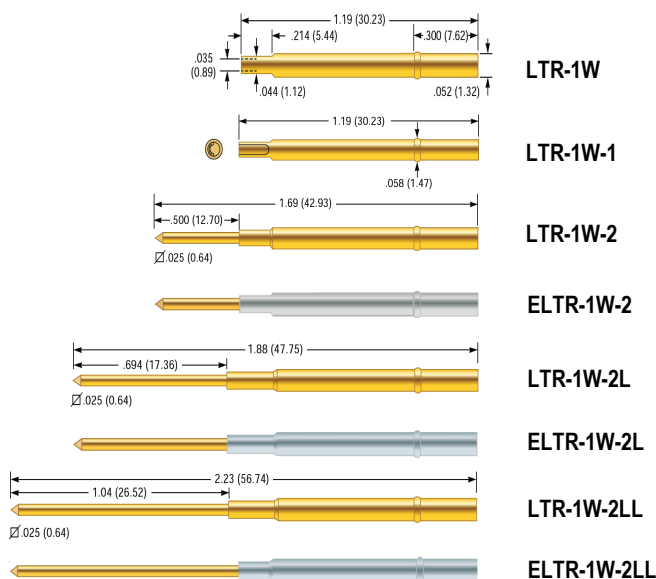
Mechanical and Electrical 机械和电解性能

Full Travel 总行程:	0.400" (10.16mm)
Recommended Travel 建议行程:	0.317" (8.05mm)
Mechanical Life Cycles 机械寿命:	1 x 10 ⁶
Operating Temperature 操作温度:	-55°C to +105°C
Current Rating 电流:	6 amps
Average Probe Resistance 平均探针阻抗值:	<10 mOhms

Spring Force in oz. (gram) 弹力系数

Spring Type 弹力类型	Preload 初压	2/3 Travel (2/3 行程)
Standard -4.5	1.09oz (31g)	4.5oz (128g)
High -9.6	1.50oz (43g)	9.6oz (272g)

Receptacles 针套

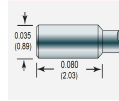


Lead Free Long Travel Probes

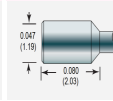
GBP-075

TIP STYLE 针头

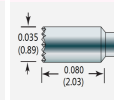
GBP-075C



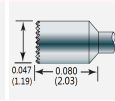
GBP-075F



GBP-075H35



GBP-075H80



Materials and Finishes 材料及表面处理

Plunger 针头:	High performance alloy, LFRE proprietary plating 高性能合金材料, 表面无铅制成镀层
Barrel 针管:	Work-hardened Phosphor Bronze, Gold plated over hard Nickel (I.D. and O.D.) 硬性处理的磷青铜材料, 内外壁表面镀镍外加镀金
Spring 弹簧:	Stainless Steel 不锈钢材质
Ball 球:	Stainless Steel 不锈钢材质

SPECIFICATION 规格

Mounting hole size 孔直径:	0.053"~0.055" (1.35mm~1.40mm)
Recommended wire 建议配线:	24~28 AWG
Suggested drill 建议打孔钻头:	#54 or 1.40mm

Material Housing 针套材料:

LTR:	Nickel Silver, Gold plated over Nickel (I.D. and O.D.) 镍银材料, 内外壁表面镀镍外加镀金
ELTR:	Nickel Silver, unplated 高性能镍银材料, 表面无镀层

Material Post 针尾材料:	Phosphorous Bronze, Gold plated 磷青铜材料, 表面镀金
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ORDER PART 型号订购

Probe Model 系列型号	GBP-075	C	-4.5
Tip 针头			
Spring Force 弹力系数			

Lead Free Long Travel Probes

GBP-100

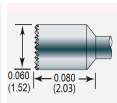
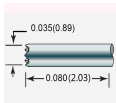
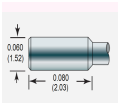
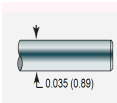
TIP STYLE 针头

GBP-100C1

GBP-100F

GBP-100H35

GBP-100H80



Materials and Finishes 材料及表面处理

Plunger 针头:	High performance alloy, LFRE proprietary plating 高性能合金材料, 表面无铅制成镀层
Barrel 针管:	Work-hardened Phosphor Bronze, Gold plated over hard Nickel (I.D. and O.D.) 硬性处理的磷青铜材料, 内外壁表面镀镍外加镀金
Spring 弹簧:	Music Wire 钢丝琴线
Ball 球:	Stainless Steel 不锈钢材质

SPECIFICATION 规格

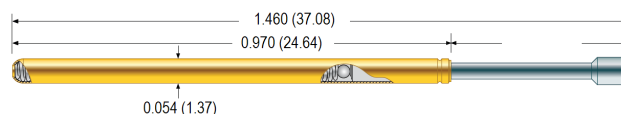
Mounting hole size 孔直径:	0.067"~0.069" (1.70mm~1.75mm)
Recommended wire 建议配线:	22~26 AWG
Suggested drill 建议打孔钻头:	#51 or 1.75mm

Material Housing 针套材料:	
LTR:	Nickel Silver, Gold plated over Nickel (I.D. and O.D.) 镍银材料, 内外壁表面镀镍外加镀金
ELTR:	Nickel Silver, unplated 高性能镍银材料, 表面无镀层
Material Post 针尾材料:	
	Phosphorous Bronze, Gold plated 磷青铜材料, 表面镀金

ORDER PART 型号订购

Probe Model 系列型号	GBP-100	C1	-6	Tip 针头	Spring Force 弹力系数
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100mil (2.54mm) 测试探针



SPECIFICATION 规格

Mechanical and Electrical 机械和电解性能

Full Travel 总行程:	0.350" (8.89mm)
Recommended Travel 建议行程:	0.317" (8.05mm)
Mechanical Life Cycles 机械寿命:	1 x 10 ⁶
Operating Temperature 操作温度:	-55°C to +105°C
Current Rating 电流:	8 amps
Average Probe Resistance 平均探针阻抗值:	<8 mOhms

Spring Force in oz. (gram) 弹力系数

Spring Type 弹力类型	Preload 初压	2/3 Travel (2/3 行程)
Standard -4	1.08oz (31g)	4.0oz (114g)
Alternate -6	0.99oz (28g)	6.0oz (170g)
High -8	0.75oz (21g)	8.0oz (227g)
Ultra High -9.7	1.16oz (33g)	9.7oz (275g)

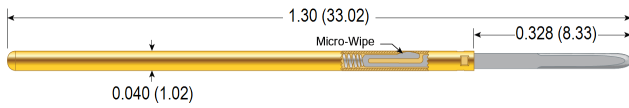
Receptacles 针套

	SPR-25W
	SPR-25W-1
	SPR-25W-2
	EPR-25W-2
	SPR-25W-2L
	EPR-25W-2L
	SPR-25W-2LL
	EPR-25W-2LL
	SPR-25W-3

75mil (1.91mm) 测试探针

Flat Technologies Probes

EDGE-1



SPECIFICATION 规格

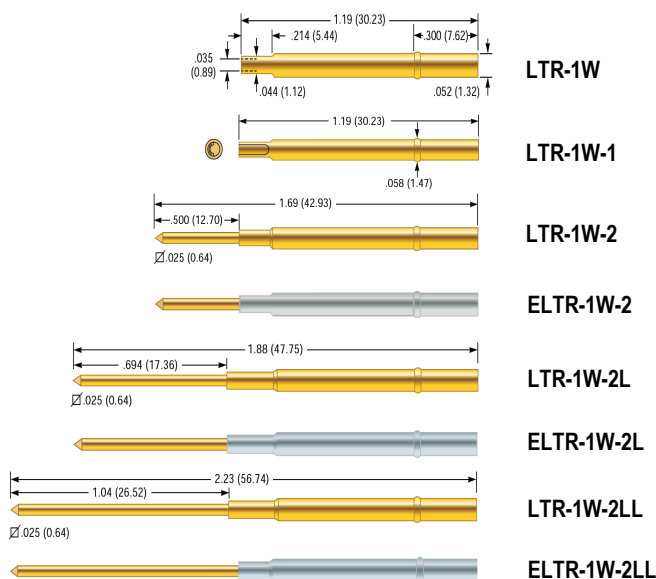
Mechanical and Electrical 机械和电解性能

Full Travel 总行程:	0.250" (6.35mm)
Recommended Travel 建议行程:	0.167" (4.24mm)
Mechanical Life Cycles 机械寿命:	1 x 10 ⁶
Operating Temperature 操作温度:	-55°C to +150°C
Current Rating 电流:	6 amps
Average Probe Resistance 平均探针阻抗值:	<10 mOhms

Spring Force in oz. (gram) 弹力系数

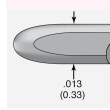
Spring Type 弹力类型	Preload 初压	2/3 Travel (2/3 行程)
Alternate -5.5	1.39oz (39g)	5.5oz (156g)
Elevated -7	1.82oz (52g)	7.0oz (198g)
Ultra High -10	2.75oz (78g)	10.0oz (283g)

Receptacles 针套

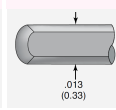


TIP STYLE 针头

EDGE-1I



EDGE-1I15



Materials and Finishes 材料及表面处理

Plunger 针头:	Work-hardened steel, LFRE proprietary plating 硬化处理的钢材料, 表面无铅制成镀层
Barrel 针管:	Work-hardened Phosphor Bronze, Gold plated over hard Nickel (I.D. and O.D.) 硬性处理的磷青铜材料, 内外壁表面镀镍外加镀金
Spring 弹簧:	Stainless Steel 不锈钢材质

SPECIFICATION 规格

Mounting hole size 孔直径:	0.053"~0.055" (1.35mm~1.40mm)
Recommended wire 建议配线:	24~28 AWG
Suggested drill 建议打孔钻头:	#54 or 1.40mm

Material Housing 针套材料:

LTR: Nickel Silver, Gold plated over Nickel (I.D. and O.D.)
镍银材料, 内外壁表面镀镍外加镀金

ELTR: Nickel Silver, unplated
高性能镍银材料, 表面无镀层

Material Post 针尾材料 Phosphorous Bronze, Gold plated
磷青铜材料, 表面镀金

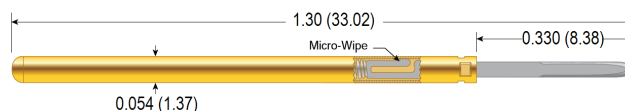
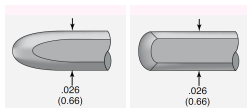
ORDER PART 型号订购

EDGE-1	I15	-7
Probe Model 系列型号	Tip 针头	Spring Force 弹力系数

TIP STYLE 针头

EDGE-25I

EDGE-25I15



SPECIFICATION 规格

Mechanical and Electrical 机械和电解性能

Full Travel 总行程:	0.250" (6.35mm)
Recommended Travel 建议行程:	0.167" (4.24mm)
Mechanical Life Cycles 机械寿命:	1 x 10 ⁶
Operating Temperature 操作温度:	-55°C to +150°C
Current Rating 电流:	8 amps
Average Probe Resistance 平均探针阻抗值:	<8 mOhms

Materials and Finishes 材料及表面处理

Plunger 针头:	Work-hardened steel, LFRE proprietary plating 硬化处理的钢材材料, 表面无铅制成镀层
Barrel 针管:	Work-hardened Phosphor Bronze, Gold plated over hard Nickel (I.D. and O.D.) 硬性处理的磷青铜材料, 内外壁表面镀镍外加镀金
Spring 弹簧:	Stainless Steel 不锈钢材质

Spring Force in oz. (gram) 弹力系数

Spring Type 弹力类型	Preload 初压	2/3 Travel (2/3 行程)
Alternate -5.5	1.64oz (46g)	5.5oz (156g)
High -7	2.94oz (83g)	7.0oz (198g)
Ultra High -10	3.85oz (109g)	10.0oz (283g)

SPECIFICATION 规格

Mounting hole size 孔直径:	0.067"~0.069" (1.70mm~1.75mm)
Recommended wire 建议配线:	22~26 AWG
Suggested drill 建议打孔钻头:	#51 or 1.75mm

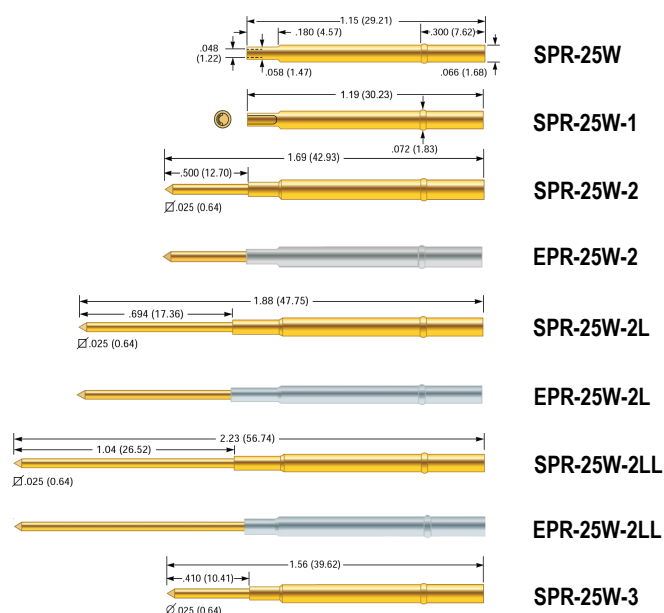
Material Housing 针套材料:

LTR:	Nickel Silver, Gold plated over Nickel (I.D. and O.D.) 镍银材料, 内外壁表面镀镍外加镀金
ELTR:	Nickel Silver, unplated 高性能镍银材料, 表面无镀层

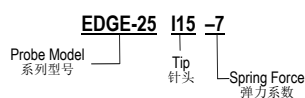
Material Post 针尾材料:

Phosphorous Bronze, Gold plated
磷青铜材料, 表面镀金

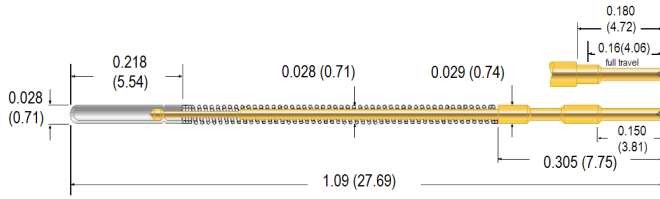
Receptacles 针套



ORDER PART 型号订购



50mil (1.27mm) 测试探针



SPECIFICATION 规格

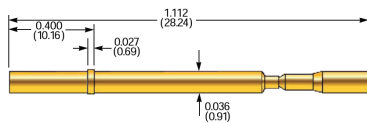
Mechanical and Electrical 机械和电解性能

Full Travel 总行程:	0.160" (4.06mm)
Recommended Travel 建议行程:	0.160" (4.06mm)
Mechanical Life Cycles 机械寿命:	1 x 10 ⁶
Operating Temperature 操作温度:	-55°C to +105°C
Current Rating 电流:	3 amps
Average Probe Resistance 平均探针阻抗值:	<20 mOhms

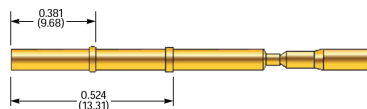
Spring Force in oz. (gram) 弹力系数

Spring Type 弹力类型	Preload 初压	2/3 Travel (2/3 行程)
Standard -4	2.0oz (57g)	4.0oz (113g)
High -6.1	2.7oz (77g)	6.1oz (173g)

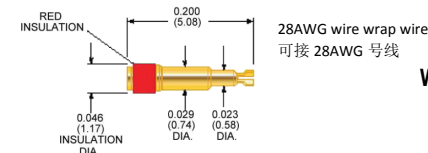
Receptacles 针套



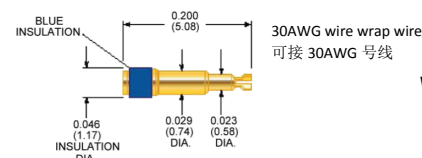
RDA-50B-1



RDA-50B-2



WT-50B-28

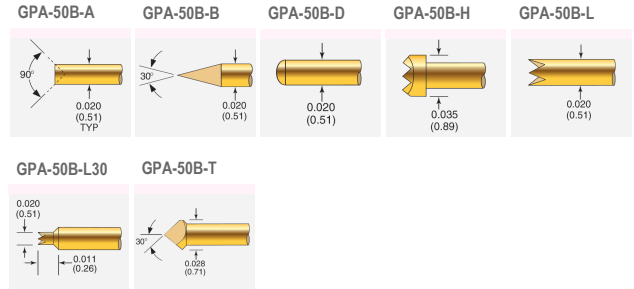


WT-50B-30

High Performance Probes

GPA-50B

TIP STYLE 针头



Materials and Finishes 材料及表面处理

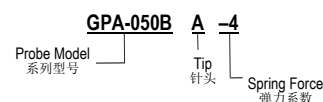
Plunger 针头:	Heat-treated Beryllium Copper, Gold plated over Nickel 特殊处理的铍铜材料, 表面镀镍外加镀金
Barrel 针管:	Nickel Silver with precious metal clad ID 内壁表面镀镍外加贵金属涂层
Spring 弹簧:	Music Wire, Silver plated 钢琴线, 表面镀银

SPECIFICATION 规格

Mounting hole size 孔直径:	0.0368"~0.0378" (0.0935mm~.096mm)
Recommended wire 建议配线:	28~30 AWG
Suggested drill 建议打孔钻头:	#61 or 0.99mm

Material Tube 管套材料:	Beryllium Copper, Nickel clad I.D. and O.D. 高性能铍铜材料, 内外壁表面镀镍
Material Plug Housing 端口材料:	Stainless Steel, precious metal clad I.D. 不锈钢材料, 内壁表面贵金属镀层
Material Wire 插线材料:	Gold plated brass with insulator 绝缘体包裹金属黄铜

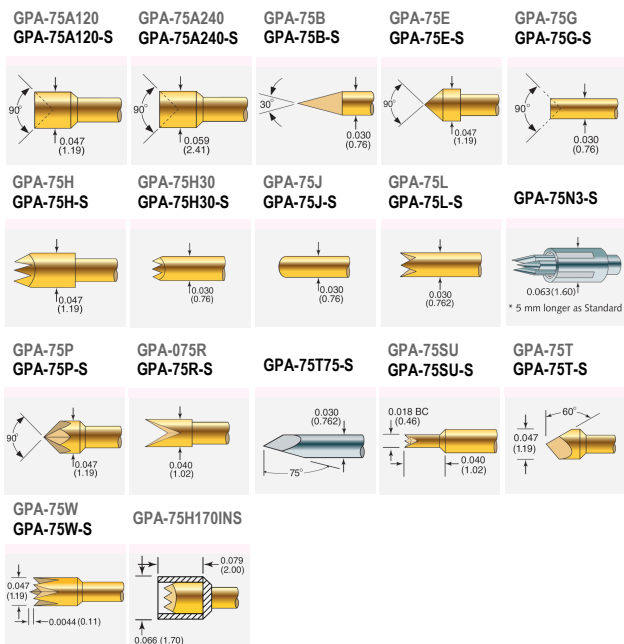
ORDER PART 型号订购



High Performance Probes

GPA-75

TIP STYLE 针头



Materials and Finishes 材料及表面处理

Plunger 针头:	
GPA-75	Heat-treated Beryllium Copper, Gold plated over hard Nickel
GPA-75-S	Steel hardened to 55-60RC, Rhodium plated over hard Nickel
Barrel 针管:	Nickel silver, Gold plated (I.D. and O.D.) over hard Nickel
Spring 弹簧:	Music Wire, Gold plated over hard Nickel
	钢丝琴线, 表面镀镍外加镀金

SPECIFICATION 规格

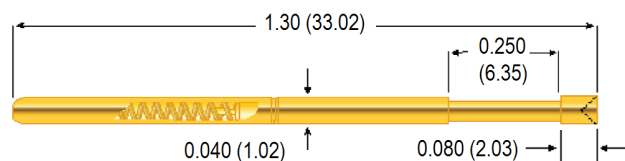
Mounting hole size 孔直径:	0.055" (1.40mm)
Recommended wire 建议配线:	24-28 AWG
Suggested drill 建议打孔钻头:	#54 or 1.40mm

Material Body 套管材料:	Nickel Silver, Gold plated
	镍银材料, 表面镀金
Material Wire Wrap 绕线材料:	Phosphor Bronze, Gold plated
	磷青铜材料, 表面镀金

ORDER PART 型号订购

GPA-75	B -7 -S	Plunger Material 针头材料
Probe Model 系列型号	Tip 针头	No S = Beryllium Copper, Gold plated
	Spring Force 弹力系数	S = Steel, Rhodium plated
		钢, 镀铑

75mil (1.91mm) 测试探针



GPA-075

SPECIFICATION 规格

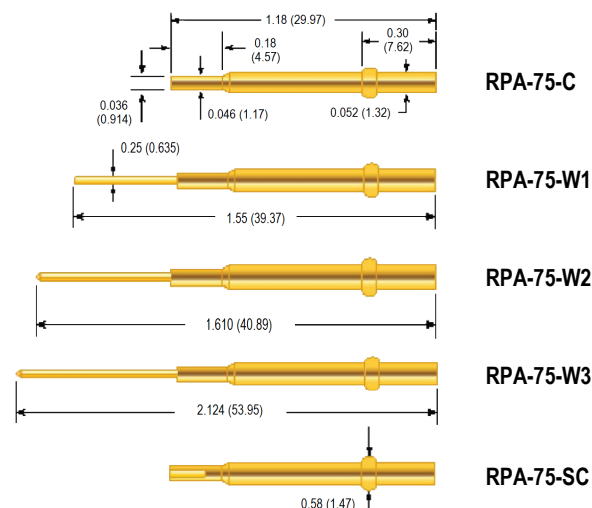
Mechanical and Electrical 机械和电性能

Full Travel 总行程:	0.250" (6.35mm)
Recommended Travel 建议行程:	0.167" (4.24mm)
Mechanical Life Cycles 机械寿命:	1 x 10 ⁶
Operating Temperature 操作温度:	-55°C to +105°C
Current Rating 电流:	3 amps
Average Probe Resistance 平均探针阻抗值:	<30 mOhms

Spring Force in oz. (gram) 弹力系数

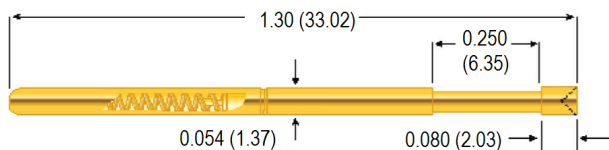
Spring Type 弹力类型	Preload 初压	2/3 Travel (2/3 行程)
Light -3.1	1.3oz (37g)	3.1oz (88g)
Standard -5.5	1.1oz (31g)	5.5oz (156g)
High -7	1.1oz (31g)	7.0oz (198g)

Receptacles 针套



100mil (2.54mm) 测试探针

GPA-100



SPECIFICATION 规格

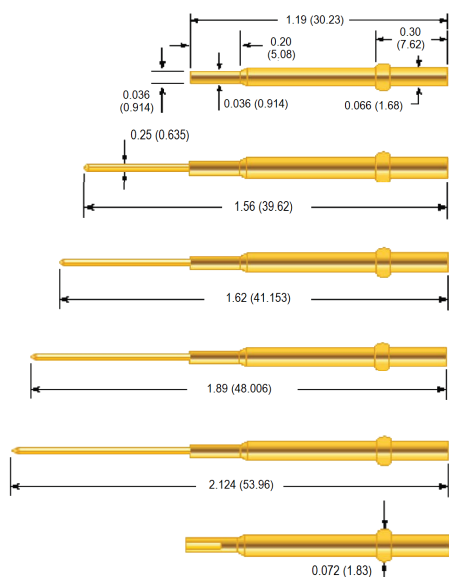
Mechanical and Electrical 机械和电性能

Full Travel 总行程:	0.250" (6.35mm)
Recommended Travel 建议行程:	0.167" (4.24mm)
Mechanical Life Cycles 机械寿命:	1 x 10 ⁶
Operating Temperature 操作温度:	-55°C to +105°C
Current Rating 电流:	5 amps
Average Probe Resistance 平均探针阻抗值:	<8 mOhms

Spring Force in oz. (gram) 弹力系数

Spring Type 弹力类型	Preload 初压	2/3 Travel (2/3 行程)
Light	-1.8	0.50oz (21g)
Standard	-3.5	1.20oz (43g)
Alternate	-5.5	2.00oz (57g)
Elevated	-6.3	2.50oz (71g)
High	-8	2.40oz (68g)
Ultra High	-9	3.50oz (99g)
Premium	-10	1.70oz (48g)

Receptacles 针套



RPA-100-C

RPA-100-W1

RPA-100-W2

RPA-100-W3

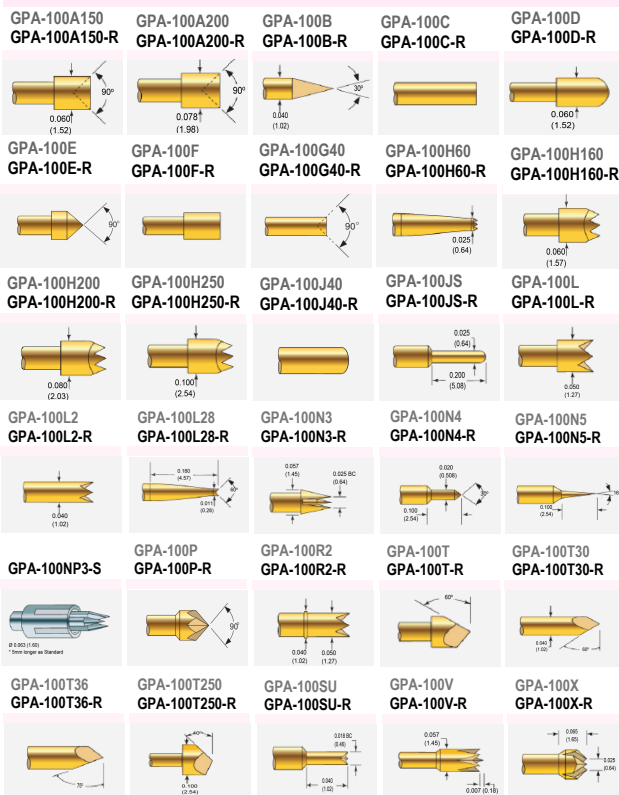
RPA-100-W4

RPA-100-SC

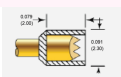
High Performance Probes

GPA-100

TIP STYLE 针头



GPA-100H230-INS



Materials and Finishes 材料及表面处理

Plunger 针头:

GPA-100	Heat-treated beryllium Copper, Gold plated over hard Nickel
GPA-100-R	Heat-treated Beryllium Copper, Rhodium over hard Nickel
GPA-100-S	Steel hardened to 55-60RC, Rhodium plated over hard Nickel

Barrel 针管:

Nickel silver, Gold plated (I.D. and O.D.) over hard Nickel

Spring 弹簧:

Music Wire, Gold plated over hard Nickel

SPECIFICATION 规格

Mounting hole size 孔直径:	0.067"~0.069" (1.70mm~1.75mm)
Recommended wire 建议配线:	22~26 AWG
Suggested drill 建议打孔钻头:	#51 or 1.75mm

Material Tube 管套材料:

Nickel Silver, gold plated over hard Nickel
高性能镍银材料, 内外壁表面镀镍

Material Plug Housing 端口材料:

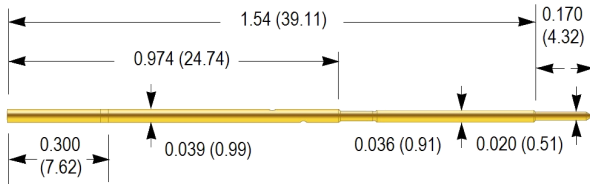
Phosphor Bronze, gold plated
磷青铜材料, 表面镀金

ORDER PART 型号订购

GPA-100	B	-8
Probe Model 系列型号	Tip 针头	Spring Force 弹力系数

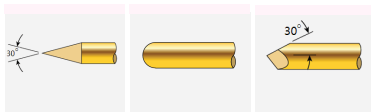
All dimensions are in inch (mm) 所有尺寸为英制 inch(公制 mm)

GWR-050



TIP STYLE

GWR-050B-3.5 GWR-050J-3.5 GWR-050T-3.5



SPECIFICATION 规格

Mechanical and Electrical 机械和电解性能

Full Travel 总行程:	0.160" (4.06mm)
Recommended Travel 建议行程:	0.130" (3.30mm)
Overall Length 套管总长度:	1.710" (43.43mm)
Test Height 测试高度:	1.586" (40.28mm)
Current Rating 电流:	3 amps
Average Probe Resistance 平均探针阻抗值:	<15 mOhms

Mounting hole size 孔直径:	0.037"/0.038" (0.94mm/0.97mm)
Recommended wire 建议配线:	22~26 AWG
Suggested drill 建议打孔钻头:	#61 or 0.99mm
Fixture Probe 对应探针:	POGO-62

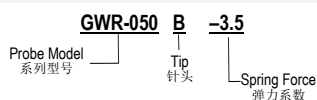
Spring Force in oz. (gram) 弹力系数

Spring Type 弹力类型	Preload 初压	2/3 Travel (2/3 行程)
Standard -3.5	3.5oz (99g)	3.5oz (99g)

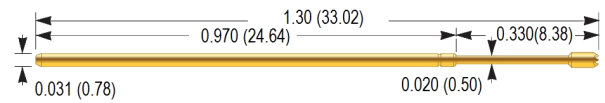
Materials and Finishes 材料及表面处理

Plunger 针头:	Beryllium copper alloy, Gold plated over hard Nickel 高性能铍铜材料, 表面镀镍外加镀金
Barrel 针管:	Beryllium copper alloy, Gold plated over hard Nickel 高性能铍铜材料, 表面镀镍外加镀金
Spring 弹簧:	Steel alloy, Gold plated over hard Nickel 合金材料, 表面镀镍外加镀金
Receptacle 针套:	Beryllium Copper alloy, Gold plated over hard Nickel 高性能铍铜材料, 表面镀镍外加镀金

Order Part 型号订购

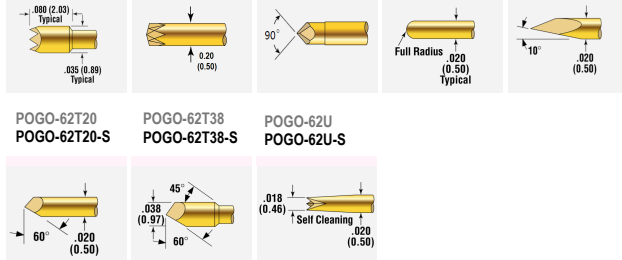


POGO-62



TIP STYLE

POGO-62H POGO-62H-S POGO-62FP POGO-62FP-S POGO-62I8 POGO-62I8-S POGO-62J POGO-62J-S POGO-62T1 POGO-62T1-S



SPECIFICATION 规格

Mechanical and Electrical 机械和电解性能

Full Travel 总行程:	0.250" (6.35mm)
Recommended Travel 建议行程:	0.167" (4.24mm)
Mechanical Life Cycles 机械寿命:	5 x 10 ⁵
Operating Temperature 操作温度:	-55°C to +105°C
Current Rating 电流:	3 amps
Average Probe Resistance 平均探针阻抗值:	<15 mOhms

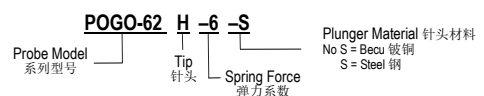
Spring Force in oz. (gram) 弹力系数

Spring Type 弹力类型	Preload 初压	2/3 Travel (2/3 行程)
Light -2	0.48oz (14g)	2.0oz (57g)
Standard -4	1.02oz (29g)	4.0oz (113g)
Alternate -6	0.66oz (19g)	6.0oz (170g)

Materials and Finishes 材料及表面处理

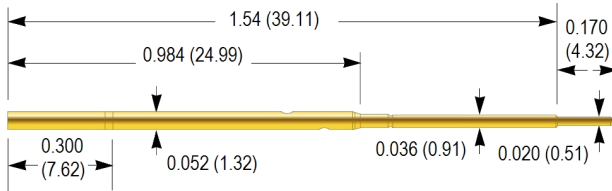
Plunger 针头:	POGO-62 Heat-treated Beryllium Copper, Gold plated over hard Nickel 特殊处理的高性能铍铜材料, 表面镀镍外加镀金
POGO-62-S Heat-treated tool Steel, Gold plated over hard Nickel 特殊处理的钢材, 表面镀镍外加镀金	
Barrel 针管:	Work-hardened Beryllium Copper, Gold plated over Nickel (I.D. and O.D.) 硬化处理高性能铍铜材料, 内外壁表面镀镍外加镀金
Spring 弹簧:	Music Wire 钢琴线
Spring 弹簧:	Stainless Steel 不锈钢材质

Order Part 型号订购

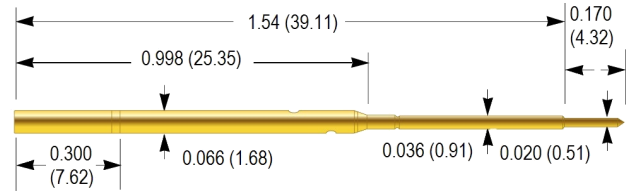


双头针套

GWR-075

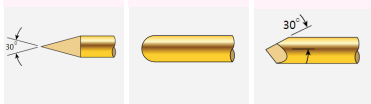


GWR-100



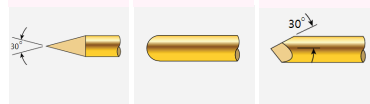
TIP STYLE 针头

GWR-075B-3.5 GWR-075J-3.5 GWR-075T-3.5



TIP STYLE 针头

GWR-100B-3.5 GWR-100J-3.5 GWR-100T-3.5



SPECIFICATION 规格

Mechanical and Electrical 机械和电解性能

Full Travel 总行程:	0.160" (4.06mm)
Recommended Travel 建议行程:	0.130" (3.30mm)
Overall Length 套管总长度:	1.710" (43.43mm)
Test Height 测试高度:	1.586" (40.28mm)
Current Rating 电流:	3 amps
Average Probe Resistance 平均探针阻抗值:	<15 mOhms

Mounting hole size 孔直径:	0.053"/0.055" (1.35mm/1.40mm)
Recommended wire 建议配线:	22~26 AWG
Suggested drill 建议打孔钻头:	#54 or 1.40mm
Fixture Probe 对应探针:	POGO-1/LFRE-1/GPA-075 EDGE-1/GLP-075/FPB-075

SPECIFICATION 规格

Mechanical and Electrical 机械和电解性能

Full Travel 总行程:	0.160" (4.06mm)
Recommended Travel 建议行程:	0.130" (3.30mm)
Overall Length 套管总长度:	1.710" (43.43mm)
Test Height 测试高度:	1.586" (40.28mm)
Current Rating 电流:	3 amps
Average Probe Resistance 平均探针阻抗值:	<15 mOhms

Mounting hole size 孔直径:	0.067"/0.069" (1.70mm/1.75mm)
Recommended wire 建议配线:	22~26 AWG
Suggested drill 建议打孔钻头:	#51 or 1.75mm
Fixture Probe 对应探针:	POGO-25/LFRE-25/GPA-100 EDGE-25/GLP-100/FPB-100

Spring Force in oz. (gram) 弹力系数

Spring Type 弹力类型	Preload 初压	2/3 Travel (2/3 行程)
Standard -3.5	3.5oz (99g)	3.5oz (99g)

Spring Force in oz. (gram) 弹力系数

Spring Type 弹力类型	Preload 初压	2/3 Travel (2/3 行程)
Standard -3.5	3.5oz (99g)	3.5oz (99g)

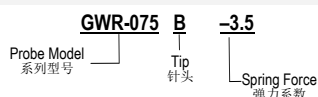
Materials and Finishes 材料及表面处理

Plunger 针头:	Beryllium Copper alloy, Gold plated over hard Nickel 高性能铍铜材料, 表面镀镍外加镀金
Barrel 针管:	Beryllium Copper alloy, Gold plated over hard Nickel 高性能铍铜材料, 表面镀镍外加镀金
Spring 弹簧:	Steel alloy, Gold plated over hard Nickel 不锈钢材料, 表面镀镍外加镀金
Receptacle 针套:	Beryllium Copper alloy, Gold plated over hard Nickel 高性能铍铜材料, 表面镀镍外加镀金

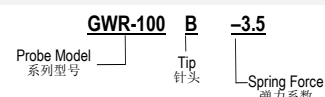
Materials and Finishes 材料及表面处理

Plunger 针头:	Beryllium Copper alloy, Gold plated over hard Nickel 高性能铍铜材料, 表面镀镍外加镀金
Barrel 针管:	Beryllium Copper alloy, Gold plated over hard Nickel 高性能铍铜材料, 表面镀镍外加镀金
Spring 弹簧:	Steel alloy, Gold plated over hard Nickel 合钢材料, 表面镀镍外加镀金
Receptacle 针套:	Beryllium Copper alloy, Gold plated over hard Nickel 高性能铍铜材料, 表面镀镍外加镀金

Order Part 型号订购

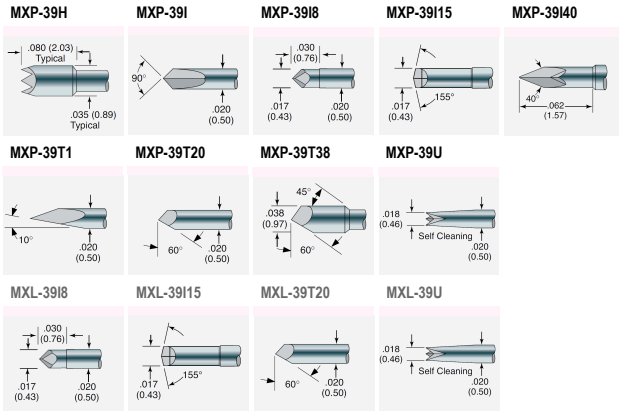


Order Part 型号订购

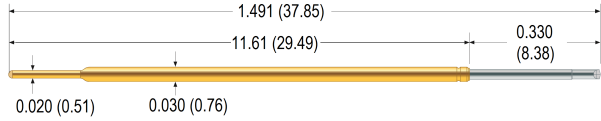


MXP-39
MXL-39

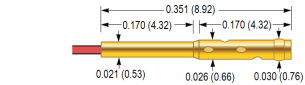
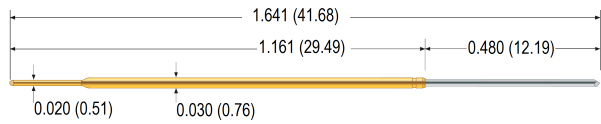
TIP STYLE 针头



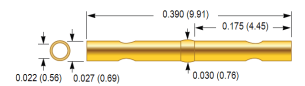
MXP-39



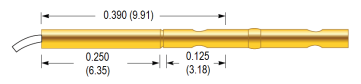
MXL-39



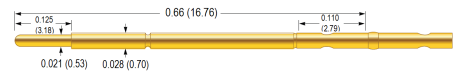
RX-WW



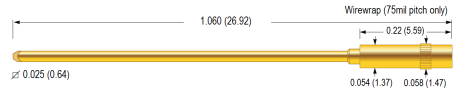
RCR-WW



RCR-WW-1



RCR-WW-2



RCR-75W-2

SPECIFICATION

MXP-39

MXL-39

Mechanical and Electrical 机械和电解性能

Full Travel 总行程:	0.250" (6.4mm)	0.400" (10.16mm)
Recommended Travel 建议行程:	0.167" (4.24mm)	0.315" (8mm)
Mechanical Life Cycles 机械寿命:	1 x 10 ⁶	1 x 10 ⁶
Operating Temperature 操作温度:	-55°C to +105°C	-55°C to +105°C
Current Rating 电流:	3 amps	3 amps
Average Probe Resistance 平均探针阻抗值:	<15 mOhms	<15 mOhms

Spring Force in oz. (gram) 弹力系数

MXP-39

		Preload(初压)	2/3 Travel (2/3 行程)
Standard	-4	1.02oz (29g)	4.0oz (113g)
Alternate	-6	2.15oz (61g)	6.0oz (170g)
Elevated	-7	1.17oz (33g)	7.0oz (198g)

MXL-39

		Preload(初压)	2/3 Travel (2/3 行程)
Standard	-4.5	0.77oz (21g)	4.5oz (128g)

Materials and Finishes 材料及表面处理

Plunger 针头:	High performance alloy, LFRE proprietary plating 优化处理的合金材料, 表面无铅制成镀层
Barrel 针管:	Work-hardened Beryllium Copper, Gold plated over hard Nickel (I.D. and O.D.) 硬性处理的铍铜材料, 内外壁表面镀镍外加镀金
Spring 弹簧:	Music Wire 钢丝琴线
Ball 球:	Stainless Steel 不锈钢材质

Mounting hole size 孔直径:	0.029" (0.75mm)
Recommended wire 建议配线:	28~30 AWG
Suggested drill 建议打孔钻头:	69# or 0.75mm

Material Tube 管套材料:	Nickel Silver, gold plated over hard Nickel 高性能镍银材料, 内外壁表面镀镍
Material Housing 端口材料:	Becu, Gold plated 铍铜材料, 表面镀金

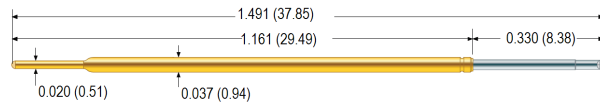
Order Part 型号订购

MXP-39	H	-4
Probe Model 系列型号	Tip 针头	Spring Force 弹力系数

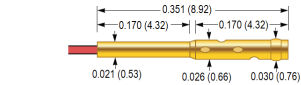
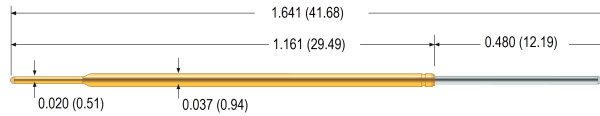
50mil (1.27mm) 测试探针

MXP-50
MXL-50

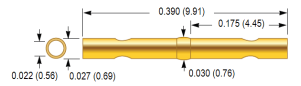
MXP-50



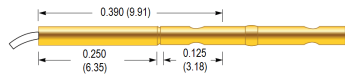
MXL-50



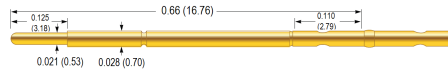
RX-WW



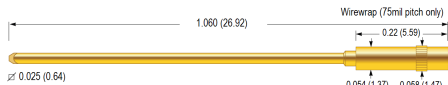
RCR-WW



RCR-WW-1



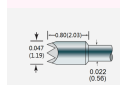
RCR-WW-2



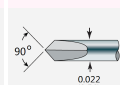
RCR-75W-2

TIP STYLE 针头

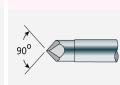
MXP-50H



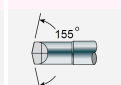
MXP-50I



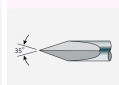
MXP-50I8



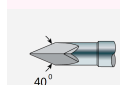
MXP-50I15



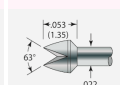
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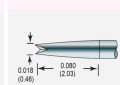
MXP-50I40



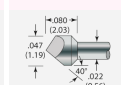
MXP-50L



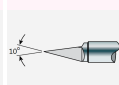
MXP-50L18



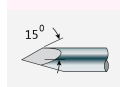
MXP-50T



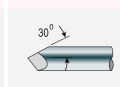
MXP-50T1



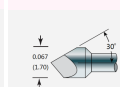
MXP-50T24



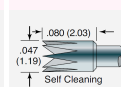
MXP-50T30



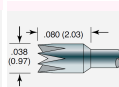
MXP-50T67



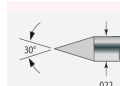
MXP-50Z



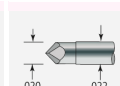
MXP-50Z1



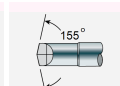
MXL-50B



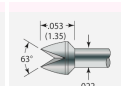
MXL-50I8



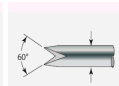
MXL-50I15



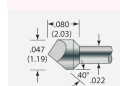
MXL-50L



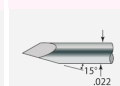
MXL-50L24



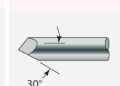
MXL-50T



MXL-50T24



MXL-50T30



SPECIFICATION

MXP-50

MXL-50

Mechanical and Electrical 机械和电解性能

Full Travel 总行程:	0.250" (6.4mm)	0.400" (10.16mm)
Recommended Travel 建议行程:	0.167" (4.24mm)	0.315" (8mm)
Mechanical Life Cycles 机械寿命:	1 x 10 ⁶	1 x 10 ⁶
Operating Temperature 操作温度:	-55°C to +150°C	-55°C to +105°C
Current Rating 电流:	6 amps	6 amps
Average Probe Resistance 平均探针阻抗值:	<10 mOhms	<10 mOhms

Materials and Finishes 材料及表面处理

Plunger 针头:	High performance alloy, LFRE proprietary plating 优化处理的合金材料, 表面无铅制成镀层
Barrel 针管:	Work-hardened Beryllium Copper, Gold plated over hard Nickel (I.D. and O.D.) 硬性处理的铍铜材料, 内外壁表面镀镍外加镀金
Spring 弹簧:	Music Wire 钢丝琴线
Ball 球:	Stainless Steel 不锈钢材质

Mounting hole size 孔直径:	0.029" (0.75mm)
Recommended wire 建议配线:	28-30 AWG
Suggested drill 建议打孔钻头:	69# or 0.75mm

Material Tube 管套材料:	Nickel Silver, gold plated over hard Nickel 高性能镍银材料, 内外壁表面镀镍
Material Housing 端口材料:	Becu, Gold plated 铍铜材料, 表面镀金

Spring Force in oz. (gram) 弹力系数

MXP-50

		Preload(初压)	2/3 Travel (2/3 行程)
Standard	-4	0.62oz (18g)	4.0oz (113g)
Alternate	-6	2.39oz (68g)	6.0oz (170g)
Elevated	-7	1.60oz (48g)	7.0oz (198g)
High	-8	1.73oz (49g)	8.0oz (227g)
Ultra High	-10	2.84oz (81g)	10.0oz (283g)

MXL-50

		Preload(初压)	2/3 Travel (2/3 行程)
Standard	-4.5	1.09oz (31g)	4.5oz (128g)
Alternate	-7	0.75oz (21g)	7.0oz (198g)
High	-9.6	1.50oz (43g)	9.6oz (272g)

Order Part 型号订购

MXP-50	H	-4.5
Probe Model 系列型号	Tip 针头	Spring Force 弹力系数
MXP-50 系列		
MXL-50 系列		

GPA-2BL
GPA-2BB
GPA-2T

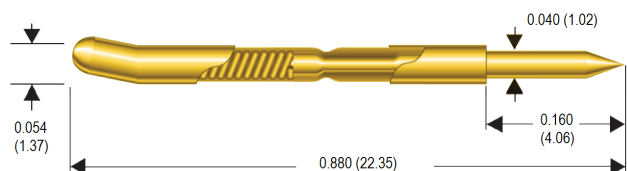
For GenRad 227/82/73, Rhode&Schwarz

GPA-2BL

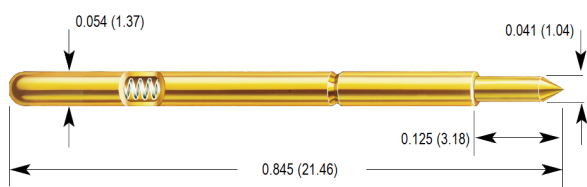
GPA-2BB

GPA-2T

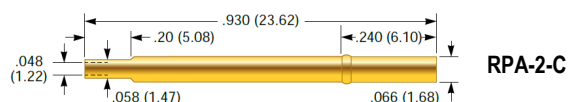
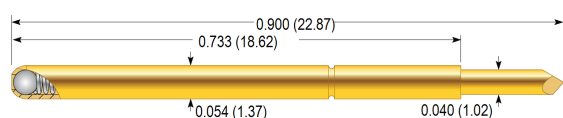
GPA-2BL



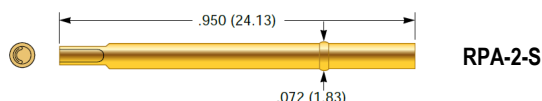
GPA-2BB



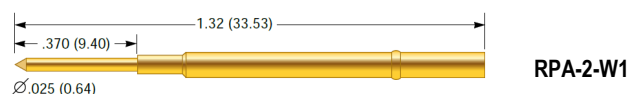
GPA-2T



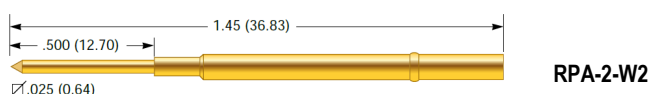
RPA-2-C



RPA-2-S



RPA-2-W1



RPA-2-W2



RPA-2-Y

SPECIFICATION 规格

	GPA-2BL	GPA-2BB	GPA-2T
Mechanical and Electrical 机械和电解性能			
Full Travel 总行程:	0.160" (4.06mm)	0.125" (3.18mm)	0.167" (4.25mm)
Recommended Travel 建议行程:	0.107" (2.72mm)	0.125" (3.18mm)	0.079" (2.00mm)
Mechanical Life Cycles 机械寿命:	1 x 10 ⁶	1 x 10 ⁶	1 x 10 ⁶
Operating Temperature 操作温度:	-55°C to +105°C	-55°C to +130°C	-55°C to +150°C
Current Rating 电流:	3 amps	5 amps	5 amps
Average Probe Resistance 平均探针阻抗值:	<25 mOhms	<35 mOhms	<35 mOhms

Materials and Finishes 材料及表面处理

Plunger 针头:	Heat-treated Beryllium Copper, Gold plated over Nickel 特殊处理的高性能铍铜材料, 表面镀镍外加镀金		
Barrel 针管:	Work-hardened Nickel silver, Gold plated over Nickel (I.D. and O.D.) 硬性处理的镍银材料, 内外壁表面镀镍外加镀金		
Spring 弹簧:	BeCu, Precious metal plated 铍铜, 表面贵金属镀层	BeCu, Silver plated 铍铜, 表面镀银	Music Wire, Silver plated 钢丝琴线, 表面镀银
Ball 球:	Stainless Steel 不锈钢材质		

Spring Force in oz. (gram) 弹力系数

Preload 初压	1.40oz. (40 grams)	2.00oz. (57 grams)	1.44oz. (41 grams)
Travel 行程	3.70oz. (105 grams)@2/3	4.50oz. (128 grams)@3/4	3.60oz. (102 grams)@3/4

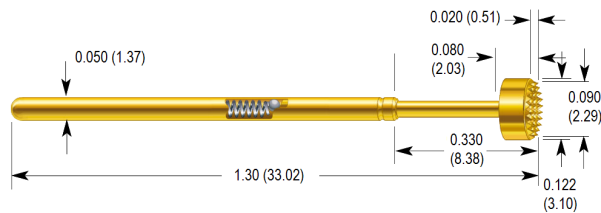
Receptacles Specifications 针套规格

Mounting hole size 孔直径:	0.067"/0.069" (1.70mm/1.75mm)
Recommended wire 建议配线:	22~26 AWG
Suggested drill 建议打孔钻头:	51# or 1.75mm

Material Tube 管套材料:	Nickel Silver, Gold plated over Nickel (I.D. and O.D.) 镍银材料, 内外壁表面镀镍外加镀金
Post 针尾材料:	Phosphor Bronze, Gold plated 磷青铜材料, 表面镀金

POGO-25HM-4

Agilent/HP 3070



Mechanical and Electrical 机械和电解性能

Full Travel 总行程:	0.250" (6.35mm)
Recommended Travel 建议行程:	0.167" (4.24mm)
Mechanical Life Cycles 机械寿命:	1 x 10 ⁶
Operating Temperature 操作温度:	-55°C to +105°C
Current Rating 电流:	8 amps
Average Probe Resistance 平均探针阻抗值:	<8 mOhms

Materials and Finishes 材料及表面处理

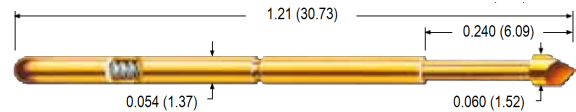
Plunger 针头:	BeCu, Gold plated over Nickel 铍铜材料, 表面镀镍外加镀金
Barrel 针管:	Phosphor Bronze, Gold plated over Nickel (I.D. and O.D.) 磷青铜材料, 内外壁表面镀镍外加镀金
Spring 弹簧:	Stainless Steel 不锈钢材料
Ball 球:	Stainless Steel 不锈钢材料

Spring Force in oz. (gram) 弹力系数

	Preload(初压)	2/3 Travel (2/3 行程)
Standard -4	1.50oz (43g)	4.0oz (114g)

GPA-25T-4

Schlumberger/Factron



Mechanical and Electrical 机械和电解性能

Full Travel 总行程:	0.160" (4.06mm)
Recommended Travel 建议行程:	0.120" (3.05mm)
Mechanical Life Cycles 机械寿命:	1 x 10 ⁶
Operating Temperature 操作温度:	-55°C to +105°C
Current Rating 电流:	5 amps
Average Probe Resistance 平均探针阻抗值:	<35 mOhms

Materials and Finishes 材料及表面处理

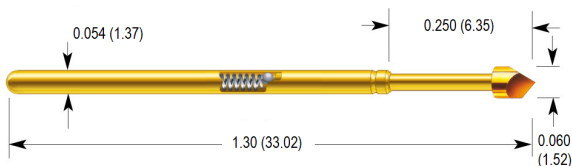
Plunger 针头:	BeCu, Gold plated over Nickel 铍铜材料, 表面镀镍外加镀金
Barrel 针管:	Phosphor Bronze, Gold plated over Nickel (I.D. and O.D.) 磷青铜材料, 内外壁表面镀镍外加镀金
Spring 弹簧:	Stainless Steel 不锈钢材料
Ball 球:	Stainless Steel 不锈钢材料

Spring Force in oz. (gram) 弹力系数

	Preload(初压)	2/3 Travel (2/3 行程)
Standard -4	0.92oz (26g)	4.0oz (113g)

POGO-25T-4

Teradyne 800/1800/Spectrum



Mechanical and Electrical 机械和电解性能

Full Travel 总行程:	0.250" (6.35mm)
Recommended Travel 建议行程:	0.167" (4.24mm)
Mechanical Life Cycles 机械寿命:	1 x 10 ⁶
Operating Temperature 操作温度:	-55°C to +105°C
Current Rating 电流:	8 amps
Average Probe Resistance 平均探针阻抗值:	<8 mOhms

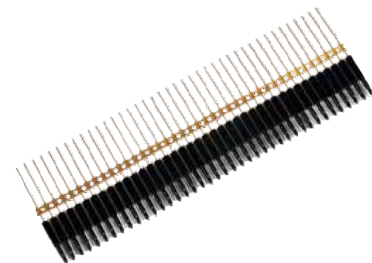
Materials and Finishes 材料及表面处理

Plunger 针头:	BeCu, Gold plated over Nickel 铍铜材料, 表面镀镍外加镀金
Barrel 针管:	Phosphor Bronze, Gold plated over Nickel (I.D. and O.D.) 磷青铜材料, 内外壁表面镀镍外加镀金
Spring 弹簧:	Stainless Steel 不锈钢材料
Ball 球:	Stainless Steel 不锈钢材料

Spring Force in oz. (gram) 弹力系数

	Preload(初压)	2/3 Travel (2/3 行程)
Standard -4	1.50oz (43g)	4.0oz (114g)

PP-3070-S



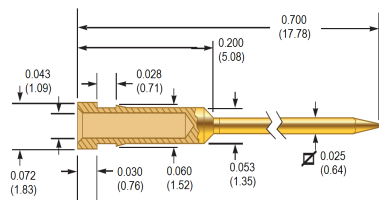
Personality Pins

Part Number 型号:	PP-3070-S
Agilent Part Number 安捷伦型号:	Mint Pins 44275P
Packing Unit 包装:	200 pieces (strip) 每排 200 个

SPP-012

Materials : Brass, Gold plated

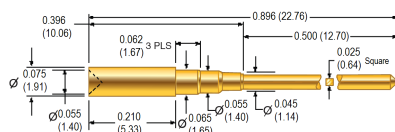
材料: 黄铜, 表面镀 24K 工业



SPP-027

Materials : Brass, Gold plated

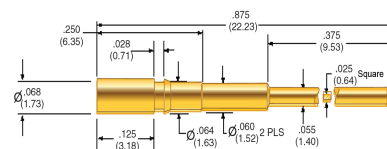
材料: 黄铜, 表面镀金



SPP-016

Materials : Brass, Gold plated

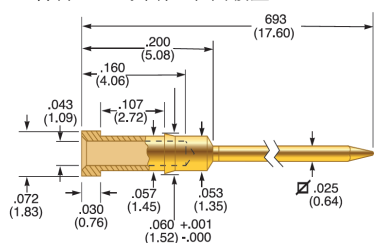
材料: 黄铜, 表面镀金



SPP-013

Materials : Brass, Gold plated

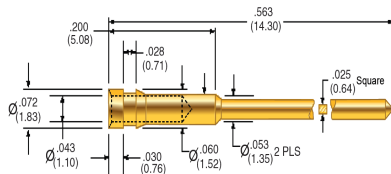
材料: 黄铜, 表面镀金



SPP-021

Materials : Brass, Gold plated

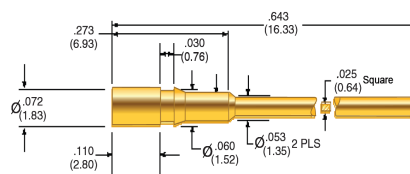
材料: 黄铜, 表面镀金



SPP-025

Materials : Brass, Gold plated

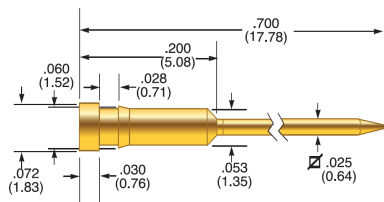
材料: 黄铜, 表面镀金



SPP-014

Materials : Brass, Gold plated

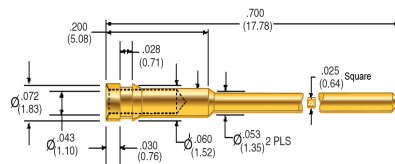
材料: 黄铜, 表面镀金



SPP-022

Materials : Brass, Gold plated

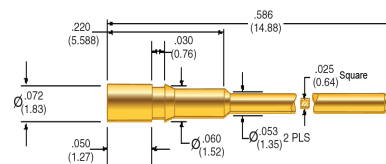
材料: 黄铜, 表面镀金



SPP-026

Materials : Brass, Gold plated

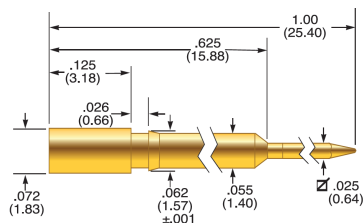
材料: 黄铜, 表面镀金



SPP-019

Materials : Brass, Gold plated

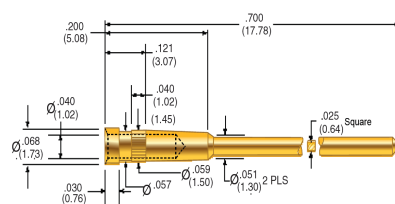
材料: 黄铜, 表面镀金



SPP-015

Materials : Brass, Gold plated

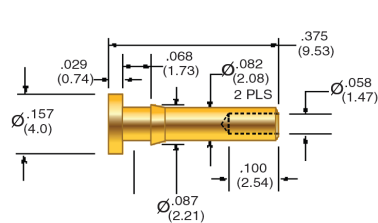
材料: 黄铜, 表面镀金



SPP-028

Materials : Brass, Gold plated

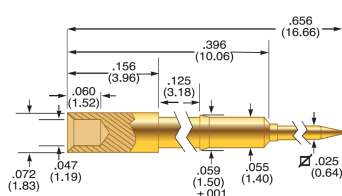
材料: 黄铜, 表面镀金



SPP-020

Materials : Brass, Gold plated

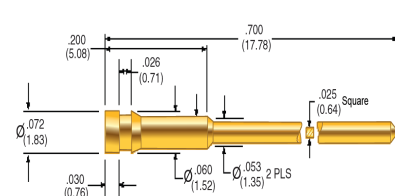
材料: 黄铜, 表面镀金



SPP-023

Materials : Brass, Gold plated

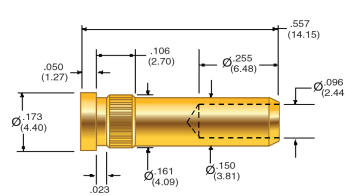
材料: 黄铜, 表面镀金



SPP-031

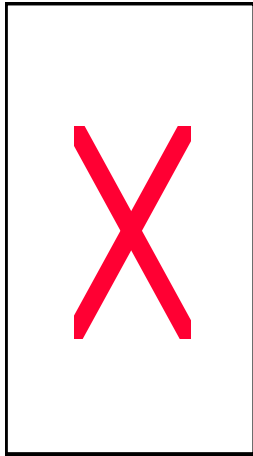
Materials : Brass, Gold plated

材料: 黄铜, 表面镀金





Plier No. 900 and Crimp Plier Locator



Crimp Pliers

安装压接式端子钳

Model #900

Interchangeable Crimp Plier Locators

安装压接式端子钳

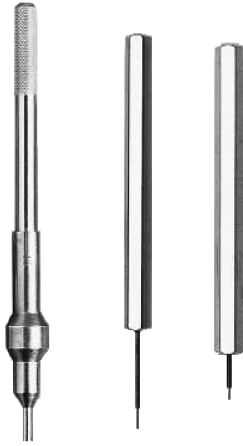


Crimp Plier Locator

Model# 型号	Receptacle Series 对应套管系列
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CL261	R1050
CL40	R1075
CL541	RPR-2
CL80	RPA-3
DCL-20	R1020
CL54	SPR-25
CL20	REJ1030
CL27	REJ1040
DCL-62	HPR-62
CL31	HPR-72

Specification subject to change without notice
如规格有变化，恕不会另行通知
Drawing not to scale
图片不依比例



ARIT

T Style Tools

Receptacle Insertion Tools

打套工具

Model# 型号	Mounting Height 高度设定	Receptacle Series 对应套管系列
ARIT-1	Flush-0.220"	LTR-1
ARIT-1M	Flush-5.59mm	LTR-1
ARIT-25	Flush-0.220"	SPR-25
ARIT-25M	Flush-5.59mm	SPR-25
ART-62	Flush-0.285"	HPR-62
ART-72	Flush-0.220"	HPR-72
RIT-0-0	Flush	REJ1050
RIT-3-0	Flush	RPA-3
RIT-3-220	0.220"(5.59mm)	RPA-3
RIT-30-0	Flush	RE1030
RIT-4-0	Flush	RPA-4
RIT-40-0	Flush	RE1040
RIT-5-0	Flush	RPA-5
RIT-64-005	0.005"(0.13mm)	RE1064
RIT-74-005	0.005"(0.13mm)	SPR-74
RIT-80-0	Flush	RX-WW

Adjustable Tool (ARIT) Instructions

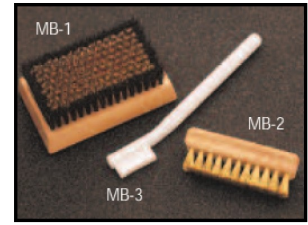
可调节式打套退套工具

- 1) Loosen set screws
- 2) Rotate thimble to desired receptacle mounting height
- 3) Lock both set screws

Miscellaneous Insertion Tools

多类型打套退套工具

Model# 型号	Description 产品内容	Receptacle /Probe Series 对应系列
PIT-0	Probe Insertion 探针安装工具	E1050
PIT-20	Probe Insertion 探针安装工具	E1020
PIE-25	Probe Insertion/ extraction tool 安装和退探针工具	100mil Probes
FIT-1	Receptacle Insertion 针套安装工具	HPR-72W-4



MB-2



MB-1

MB-3

Maintenance Brushes

保养刷

Model# 型号	Description 产品内容
MB-1	Brass bristle brush 4.25"x2.50"(108x64mm)
MB-2	4 row brass brush 3.25"x1.125"(83x29mm)
MB-3	Nylon brush 6.25"(159mm)



FIT-1



PIE-54

- **Tronic Electronics (HK) Ltd.**
祥利电子电器(香港)有限公司
1617, 16/F., Asia Trade Center, 79 Lei Muk Road, Kwai Chung, N.T., Hong Kong
香港葵涌梨木道 79 号亚洲贸易中心 1617 室
Tel: (852)-2408 0343 Fax: (852)-2407 9189
Email: tronic@tronic-elec.com
- **Shanghai:**
Tel: (86)-21-63619325, 63619327 Fax: (86)-21-63619305
- **Shenzhen:**
Tel: (86)-755-83768186, 83762655 Fax: (86)-755-83768187
- **Dongguan:**
Tel: (86)-769-22360180 Fax: (86)-769-22360179
- **Chongqing:**
Tel: (86)-23-86911725 Fax: (86)-23-86911725

- **Email: tronic@tronic-elec.com**

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