



+ EQUIPMENT
AND TESTING
设备与检测



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半导体测试探针

SEMICONDUCTOR PROBES

半导体测试探针 (高频探针) 主要应用于IC testing in BGA, micro BGA, CSP socket, ...etc., 其应用频率为 500MHz, 测试中所采用的针的数量须根据具体BGA IC与其 Socket规格不同而不同, Testing Socket的间距有 0.4 / 0.5 / 0.65 / 0.75 / 1.0/1.27 2/2.54mm pitch不等。主要应用行业如手机、电脑、通信等。只要有芯片的行业几乎都被推行使用半导体测试探针进行测试, 主要需求量最大的需属芯片封装测试行业。

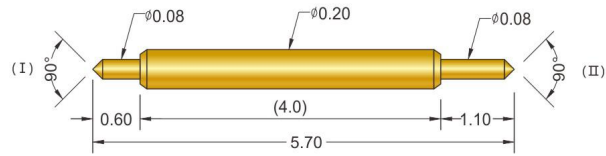


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DP030-XX-57-0.35GG(SS)	07
DP031-XX-57-0.7GG(SS)	07
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DP078-XX-57-0.9GG(BB)	13
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DP085-XX-57-1.1GG(BB)	14
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DQ031-XX-33-0.9GG(BB)	15
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DE078-XX-88-1.2GG(BB)	16
HDE065-XX-113-1.6GG(BB)	17
HQE052-XX-63-0.7GG(BB)	17

DP020-XX-57-0.3GG(SS)

SEMICONDUCTOR PROBES



技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	0.5A
额定电阻 (Rated Resistance)	100 milliohm max
满行程 (Full Stroke)	1.10mm
额定行程 (Rated Stroke)	0.65mm
额定弹力 (Spring Force)	8±2gf@load 0.65mm(0.3oz)
频率带宽 (Bandwidth)	-1dB@6.7GHZ
测试寿命 (Mechanical Life Exceeds)	100000 cycles

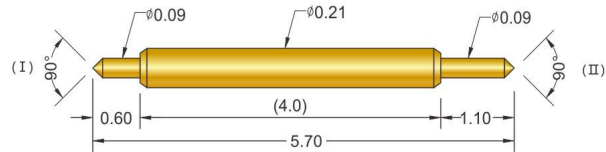
材质 (Materials):	成品型号 (Product Type) :
针头 (Plunger)	SK4,gold-plated
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	SWP or SUS,gold-plated

DP020-XX-57-0.3GG(SS)	
系列	规格
头型	总长
弹力	镀金
针头材质	针头材质
订购举例:DP020-BB-57-0.3GG(SS)	

Plunger(I)	
Plunger(II)	

DP021-XX-57-0.3GG(SS)

SEMICONDUCTOR PROBES



技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	0.5A
额定电阻 (Rated Resistance)	100 milliohm max
满行程 (Full Stroke)	1.10mm
额定行程 (Rated Stroke)	0.65mm
额定弹力 (Spring Force)	8±2gf@load 0.65mm(0.3oz)
频率带宽 (Bandwidth)	-1dB@6.7GHZ
测试寿命 (Mechanical Life Exceeds)	100000 cycles

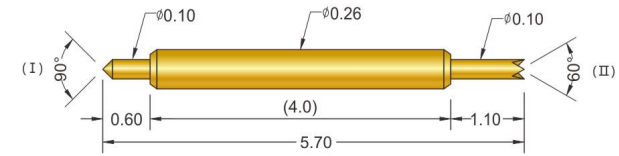
材质 (Materials):	成品型号 (Product Type) :
针头 (Plunger)	SK4,gold-plated
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	SWP or SUS,gold-plated

DP021-XX-57-0.3GG(SS)	
系列	规格
头型	总长
弹力	镀金
针头材质	针头材质
订购举例:DP021-BB-57-0.3GG(SS)	

Plunger(I)	
Plunger(II)	

DP026-XX-57-0.5GG(SS)

SEMICONDUCTOR PROBES



Plunger(I)	
Plunger(II)	

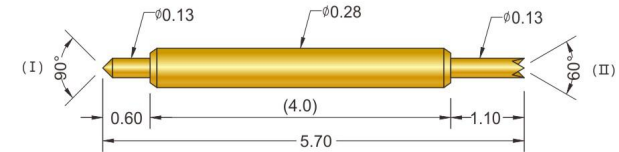
技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	0.5A
额定电阻 (Rated Resistance)	100 milliohm max
满行程 (Full Stroke)	1.10mm
额定行程 (Rated Stroke)	0.65mm
额定弹力 (Spring Force)	14±3gf@load 0.65mm(0.5oz)
频率带宽 (Bandwidth)	-1dB@6.2GHZ
测试寿命 (Mechanical Life Exceeds)	100000 cycles

材质 (Materials):	成品型号 (Product Type) :
针头 (Plunger)	SK4,gold-plated
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	SWP or SUS,gold-plated

DP026-XX-57-0.5GG(SS)	
系列	规格
头型	总长
弹力	镀金
针头材质	针头材质
订购举例:DP026-BB-57-0.5GG(SS)	

DP028-XX-57-0.6GG(SS)

SEMICONDUCTOR PROBES



Plunger(I)	
Plunger(II)	

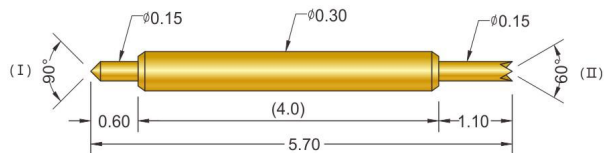
技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	1A
额定电阻 (Rated Resistance)	100 milliohm max
满行程 (Full Stroke)	1.10mm
额定行程 (Rated Stroke)	0.70mm
额定弹力 (Spring Force)	20±5gf@load 0.70mm(0.6oz)
频率带宽 (Bandwidth)	-1dB@6.8GHZ
测试寿命 (Mechanical Life Exceeds)	100000 cycles

材质 (Materials):	成品型号 (Product Type) :
针头 (Plunger)	SK4,gold-plated
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	SWP or SUS,gold-plated

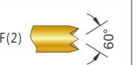
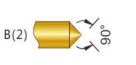
DP028-XX-57-0.6GG(SS)	
系列	规格
头型	总长
弹力	镀金
针头材质	针头材质
订购举例:DP028-BU-57-0.6GG(SS)	

DP030-XX-57-0.35GG(SS)

SEMICONDUCTOR PROBES

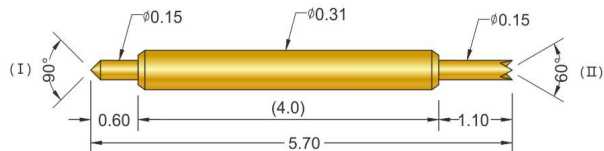


技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	1A
额定电阻 (Rated Resistance)	100 milliohm max
满行程 (Full Stroke)	1.10mm
额定行程 (Rated Stroke)	0.65mm
额定弹力 (Spring Force)	10±5gf@load 0.65mm(0.35oz)
频率带宽 (Bandwidth)	-1dB@6.5GHZ
测试寿命 (Mechanical Life Exceeds)	100000 cycles
材质 (Materials):	
针头 (Plunger)	SK4,gold-plated
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	SWP or SUS,gold-plated
成品型号 (Product Type) :	
DP030-XX-57-0.35GG(SS) 系列 规格 头型 总长 弹力 镀金 针头材质 订购举例:DP030-BB-57-0.35GG(SS)	

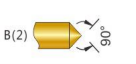
Plunger(I)	
 U(1)	 F(1)
 B(1)	 J(1)
Plunger(II)	
 U(2)	 F(2)
 B(2)	 J(2)

DP031-XX-57-0.7GG(SS)

SEMICONDUCTOR PROBES

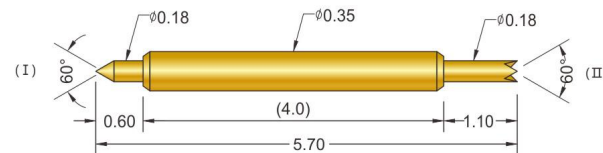


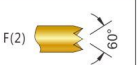
技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	1A
额定电阻 (Rated Resistance)	100 milliohm max
满行程 (Full Stroke)	1.10mm
额定行程 (Rated Stroke)	0.65mm
额定弹力 (Spring Force)	20±5gf@load 0.65mm(0.7oz)
频率带宽 (Bandwidth)	-1dB@6.8GHZ
测试寿命 (Mechanical Life Exceeds)	100000 cycles
材质 (Materials):	
针头 (Plunger)	SK4,gold-plated
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	SWP or SUS,gold-plated
成品型号 (Product Type) :	
DP031-XX-57-0.7GG(SS) 系列 规格 头型 总长 弹力 镀金 针头材质 订购举例:DP031-BU-57-0.7GG(SS)	

Plunger(I)	
 U(1)	 F(1)
 B(1)	 J(1)
Plunger(II)	
 U(2)	 F(2)
 B(2)	 J(2)

DP035-XX-57-0.85GG(BB)

SEMICONDUCTOR PROBES

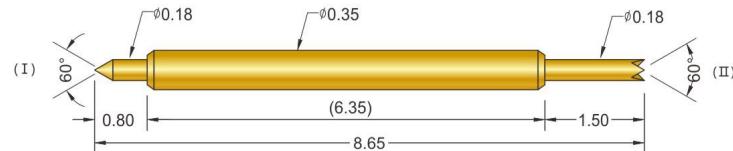


Plunger(I)	
 U(1)	 F(1)
 B(1)	 J(1)
Plunger(II)	
 U(2)	 F(2)
 B(2)	 J(2)

技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	1A
额定电阻 (Rated Resistance)	100 milliohm max
满行程 (Full Stroke)	1.10mm
额定行程 (Rated Stroke)	0.65mm
额定弹力 (Spring Force)	24±5gf@load 0.65mm(0.85oz)
频率带宽 (Bandwidth)	-1dB@7.2GHZ
测试寿命 (Mechanical Life Exceeds)	100000 cycles
材质 (Materials):	
针头 (Plunger)	BeCu,gold-plated
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	SWP or SUS,gold-plated
成品型号 (Product Type) :	
DP035-XX-57-0.85GG(BB) 系列 规格 头型 总长 弹力 镀金 针头材质 订购举例:DP035-BU-57-0.85GG(BB)	

DP035-XX-86-0.8GG(BB)

SEMICONDUCTOR PROBES

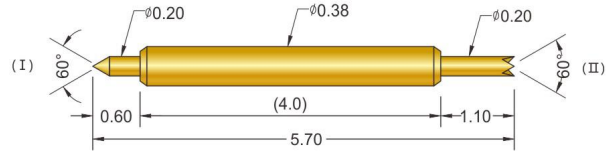


Plunger(I)	
 U(1)	 F(1)
 B(1)	 J(1)
Plunger(II)	
 U(2)	 F(2)
 B(2)	 J(2)

技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	1A
额定电阻 (Rated Resistance)	100 milliohm max
满行程 (Full Stroke)	1.30mm
额定行程 (Rated Stroke)	0.80mm
额定弹力 (Spring Force)	23±5gf@load 0.80mm(0.8oz)
频率带宽 (Bandwidth)	-1dB@8.2GHZ
测试寿命 (Mechanical Life Exceeds)	100000 cycles
材质 (Materials):	
针头 (Plunger)	BeCu,gold-plated
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	SWP or SUS,gold-plated
成品型号 (Product Type) :	
DP035-XX-86-0.8GG(BB) 系列 规格 头型 总长 弹力 镀金 针头材质 订购举例:DP035-BU-86-0.8GG(BB)	

DP038-XX-57-0.4GG(BB)

SEMICONDUCTOR PROBES



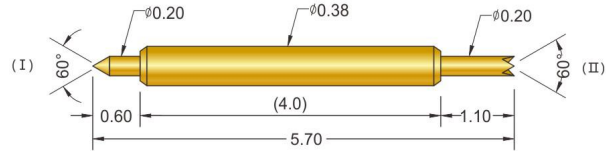
技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	1A
额定电阻 (Rated Resistance)	100 milliohm max
满行程 (Full Stroke)	1.10mm
额定行程 (Rated Stroke)	0.65mm
额定弹力 (Spring Force)	11±3gf@load 0.65mm(0.4oz)
频率带宽 (Bandwidth)	-1dB@7.1GHZ
测试寿命 (Mechanical Life Exceeds)	100000 cycles

材质 (Materials) :	成品型号 (Product Type) :
针头 (Plunger) BeCu,gold-plated	DP038-XX-57-0.4GG(BB) 系列 规格 头型 总长 弹力 镀金 针头材质 订购举例:DP038-BU-57-0.4GG(BB)
针管 (Barrel) Ph,gold-plated	
弹簧 (Spring) SWP or SUS,gold-plated	

Plunger(I)	
Plunger(II)	

DP038-XX-57-1.1GG(BB)

SEMICONDUCTOR PROBES



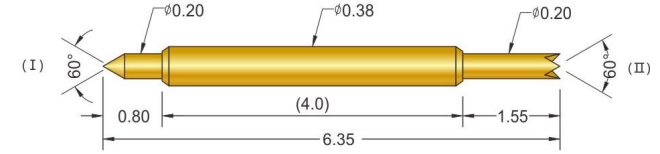
技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	1A
额定电阻 (Rated Resistance)	100 milliohm max
满行程 (Full Stroke)	1.10mm
额定行程 (Rated Stroke)	0.65mm
额定弹力 (Spring Force)	30±6gf@load 0.65mm(1.1oz)
频率带宽 (Bandwidth)	-1dB@7.8GHZ
测试寿命 (Mechanical Life Exceeds)	100000 cycles

材质 (Materials) :	成品型号 (Product Type) :
针头 (Plunger) BeCu,gold-plated	DP038-XX-57-1.1GG(BB) 系列 规格 头型 总长 弹力 镀金 针头材质 订购举例:DP038-BU-57-1.1GG(BB)
针管 (Barrel) Ph,gold-plated	
弹簧 (Spring) SWP or SUS,gold-plated	

Plunger(I)	
Plunger(II)	

DP038-XX-63-0.85GG(BB)

SEMICONDUCTOR PROBES



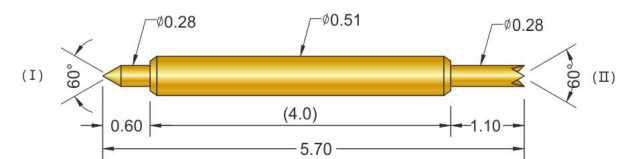
Plunger(I)	
Plunger(II)	

技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	1A
额定电阻 (Rated Resistance)	100 milliohm max
满行程 (Full Stroke)	1.10mm
额定行程 (Rated Stroke)	0.80mm
额定弹力 (Spring Force)	24±5gf@load 0.8mm(0.85oz)
频率带宽 (Bandwidth)	-1dB@7.1GHZ
测试寿命 (Mechanical Life Exceeds)	100000 cycles

材质 (Materials) :	成品型号 (Product Type) :
针头 (Plunger) BeCu,gold-plated	DP038-XX-63-0.85GG(BB) 系列 规格 头型 总长 弹力 镀金 针头材质 订购举例:DP038-BU-63-0.85GG(BB)
针管 (Barrel) Ph,gold-plated	
弹簧 (Spring) SWP or SUS,gold-plated	

DP051-XX-57-0.7GG(BB)

SEMICONDUCTOR PROBES



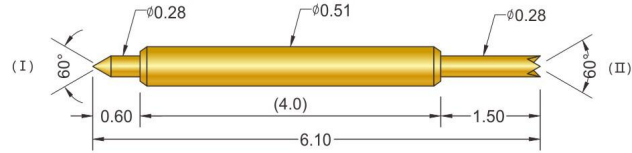
Plunger(I)	
Plunger(II)	

技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	1A
额定电阻 (Rated Resistance)	100 milliohm max
满行程 (Full Stroke)	1.10mm
额定行程 (Rated Stroke)	0.65mm
额定弹力 (Spring Force)	20±5gf@load 0.65mm(0.7oz)
频率带宽 (Bandwidth)	-1dB@7.5GHZ
测试寿命 (Mechanical Life Exceeds)	100000 cycles

材质 (Materials) :	成品型号 (Product Type) :
针头 (Plunger) BeCu,gold-plated	DP051-XX-57-0.7GG(BB) 系列 规格 头型 总长 弹力 镀金 针头材质 订购举例:DP051-BU-57-0.7GG(BB)
针管 (Barrel) Ph,gold-plated	
弹簧 (Spring) SWP or SUS,gold-plated	

DP051-XX-61-1.2GG(BB)

SEMICONDUCTOR PROBES

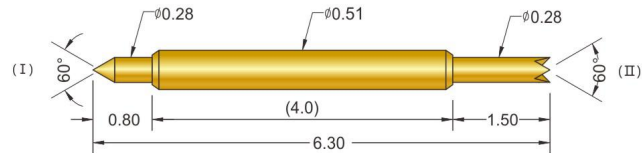


技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	1A
额定电阻 (Rated Resistance)	100 milliohm max
满行程 (Full Stroke)	1.30mm
额定行程 (Rated Stroke)	0.95mm
额定弹力 (Spring Force)	34±8gf@load 0.95mm(1.2oz)
频率带宽 (Bandwidth)	-1dB@7.3GHZ
测试寿命 (Mechanical Life Exceeds)	100000 cycles
材质 (Materials) :	
针头 (Plunger)	BeCu,gold-plated
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	SWP or SUS,gold-plated
成品型号 (Product Type) :	
DP051-XX-61-1.2GG(BB) 系列 规格 头型 总长 弹力 镀金 针头材质 订购举例DP051-BU-61-1.2GG(BB)	

Plunger(I)	
Plunger(II)	

DP051-XX-63-0.7GG(BB)

SEMICONDUCTOR PROBES

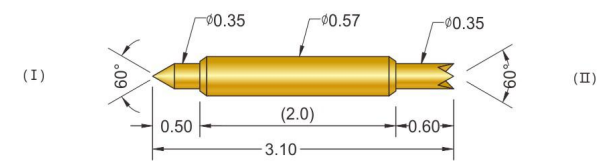


技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	1A
额定电阻 (Rated Resistance)	100 milliohm max
满行程 (Full Stroke)	1.50mm
额定行程 (Rated Stroke)	1.00mm
额定弹力 (Spring Force)	20±4gf@load 1.0mm(0.7oz)
频率带宽 (Bandwidth)	-1dB@7.3GHZ
测试寿命 (Mechanical Life Exceeds)	100000 cycles
材质 (Materials) :	
针头 (Plunger)	BeCu,gold-plated
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	SWP or SUS,gold-plated
成品型号 (Product Type) :	
DP051-XX-63-0.7GG(BB) 系列 规格 头型 总长 弹力 镀金 针头材质 订购举例DP051-BU-63-0.7GG(BB)	

Plunger(I)	
Plunger(II)	

DP057-XX-31-1.1GG(BB)

SEMICONDUCTOR PROBES

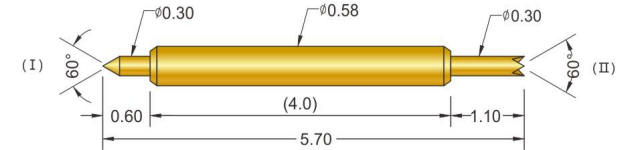


Plunger(I)	
Plunger(II)	

技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	2A
额定电阻 (Rated Resistance)	100 milliohm max
满行程 (Full Stroke)	0.60mm
额定行程 (Rated Stroke)	0.48mm
额定弹力 (Spring Force)	30±6gf@load 0.48mm(1.1oz)
频率带宽 (Bandwidth)	-1dB@8.7GHZ
测试寿命 (Mechanical Life Exceeds)	100000 cycles
材质 (Materials) :	
针头 (Plunger)	BeCu,gold-plated
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	SWP or SUS,gold-plated
成品型号 (Product Type) :	
DP057-XX-31-1.1GG(BB) 系列 规格 头型 总长 弹力 镀金 针头材质 订购举例DP057-BU-31-1.1GG(BB)	

DP058-XX-57-1.1GG(BB)

SEMICONDUCTOR PROBES

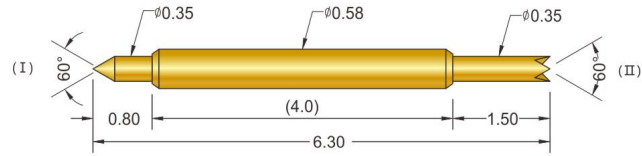


Plunger(I)	
Plunger(II)	

技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	2A
额定电阻 (Rated Resistance)	100 milliohm max
满行程 (Full Stroke)	1.10mm
额定行程 (Rated Stroke)	0.65mm
额定弹力 (Spring Force)	30±5gf@load 0.65mm(1.1oz)
频率带宽 (Bandwidth)	-1dB@8.5GHZ
测试寿命 (Mechanical Life Exceeds)	100000 cycles
材质 (Materials) :	
针头 (Plunger)	BeCu,gold-plated
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	SWP or SUS,gold-plated
成品型号 (Product Type) :	
DP058-XX-57-1.1GG(BB) 系列 规格 头型 总长 弹力 镀金 针头材质 订购举例DP058-BU-57-1.1GG(BB)	

DP058-XX-63-1.1GG(BB)

SEMICONDUCTOR PROBES



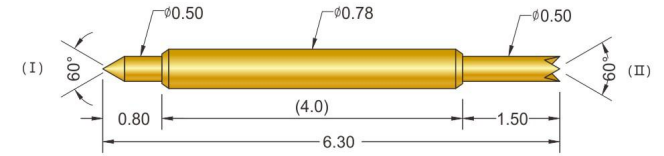
技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	2A
额定电阻 (Rated Resistance)	100 milliohm max
满行程 (Full Stroke)	1.30mm
额定行程 (Rated Stroke)	0.85mm
额定弹力 (Spring Force)	30±6gf@load 0.85mm(1.1oz)
频率带宽 (Bandwidth)	-1dB@8.8GHZ
测试寿命 (Mechanical Life Exceeds)	100000 cycles

材质 (Materials) :	成品型号 (Product Type) :
针头 (Plunger)	BeCu,gold-plated
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	SWP or SUS,gold-plated
DP058-XX-63-1.1GG(BB) 系列 规格 头型 总长 弹力 镀金 针头材质 订购举例:DP058-BU-63-1.1GG(BB)	

Plunger(I)	
U(1)	F(1)
B(1)	J(1)
Plunger(II)	
U(2)	F(2)
B(2)	J(2)

DP078-XX-63-1.2GG(BB)

SEMICONDUCTOR PROBES



Plunger(I)	
U(1)	F(1)
B(1)	J(1)
Plunger(II)	
U(2)	F(2)
B(2)	J(2)

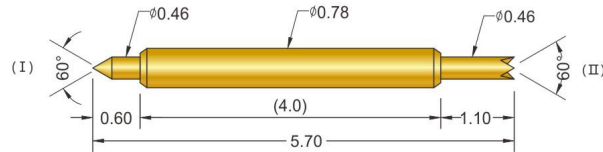
材质 (Materials) :	成品型号 (Product Type) :
针头 (Plunger)	BeCu,gold-plated
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	SWP or SUS,gold-plated
DP078-XX-63-1.2GG(BB) 系列 规格 头型 总长 弹力 镀金 针头材质 订购举例:DP078-BU-63-1.2GG(BB)	

技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	2A
额定电阻 (Rated Resistance)	100 milliohm max
满行程 (Full Stroke)	1.50mm
额定行程 (Rated Stroke)	0.80mm
额定弹力 (Spring Force)	35±7gf@load 0.80mm(1.2oz)
频率带宽 (Bandwidth)	-1dB@10.2GHZ
测试寿命 (Mechanical Life Exceeds)	100000 cycles

材质 (Materials) :	成品型号 (Product Type) :
针头 (Plunger)	BeCu,gold-plated
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	SWP or SUS,gold-plated
DP078-XX-63-1.2GG(BB) 系列 规格 头型 总长 弹力 镀金 针头材质 订购举例:DP078-BU-63-1.2GG(BB)	

DP078-XX-57-0.9GG(BB)

SEMICONDUCTOR PROBES



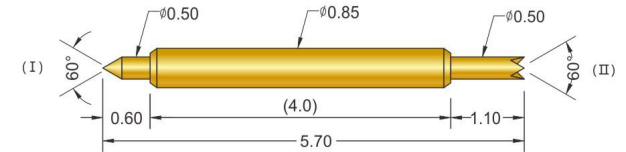
技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	2A
额定电阻 (Rated Resistance)	100 milliohm max
满行程 (Full Stroke)	1.50mm
额定行程 (Rated Stroke)	0.80mm
额定弹力 (Spring Force)	26±5gf@load 0.80mm(0.9oz)
频率带宽 (Bandwidth)	-1dB@10.2GHZ
测试寿命 (Mechanical Life Exceeds)	100000 cycles

材质 (Materials) :	成品型号 (Product Type) :
针头 (Plunger)	BeCu,gold-plated
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	SWP or SUS,gold-plated
DP078-XX-57-0.9GG(BB) 系列 规格 头型 总长 弹力 镀金 针头材质 订购举例:DP078-BU-57-0.9GG(BB)	

Plunger(I)	
U(1)	F(1)
B(1)	J(1)
Plunger(II)	
U(2)	F(2)
B(2)	J(2)

DP085-XX-57-1.1GG(BB)

SEMICONDUCTOR PROBES



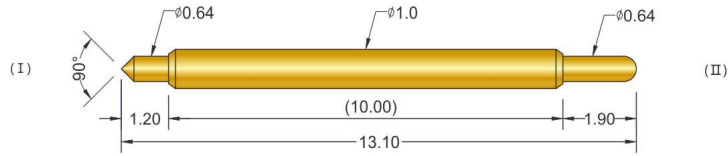
Plunger(I)	
U(1)	F(1)
B(1)	J(1)
Plunger(II)	
U(2)	F(2)
B(2)	J(2)

材质 (Materials) :	成品型号 (Product Type) :
针头 (Plunger)	BeCu,gold-plated
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	SWP or SUS,gold-plated
DP085-XX-57-1.1GG(BB) 系列 规格 头型 总长 弹力 镀金 针头材质 订购举例:DP085-BU-57-1.1GG(BB)	

技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	2A
额定电阻 (Rated Resistance)	50 milliohm max
满行程 (Full Stroke)	1.10mm
额定行程 (Rated Stroke)	0.65mm
额定弹力 (Spring Force)	30±6gf@load 0.65mm(1.1oz)
频率带宽 (Bandwidth)	-1dB@11.5GHZ
测试寿命 (Mechanical Life Exceeds)	100000 cycles

材质 (Materials) :	成品型号 (Product Type) :
针头 (Plunger)	BeCu,gold-plated
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	SWP or SUS,gold-plated
DP085-XX-57-1.1GG(BB) 系列 规格 头型 总长 弹力 镀金 针头材质 订购举例:DP085-BU-57-1.1GG(BB)	

DP100-XX-131-3.5GG(BB) SEMICONDUCTOR PROBES

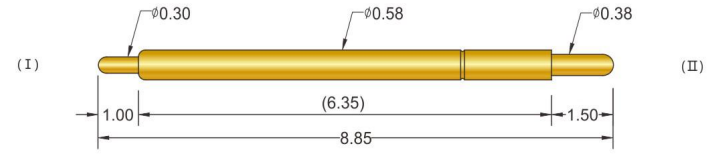


技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	2A
额定电阻 (Rated Resistance)	50 milliohm max
满行程 (Full Stroke)	3.10mm
额定行程 (Rated Stroke)	2.0mm
额定弹力 (Spring Force)	100±30gf@load 2.0mm(3.5oz)
频率带宽 (Bandwidth)	-1dB@13.5GHZ
测试寿命 (Mechanical Life Exceeds)	100000 cycles

材质 (Materials) :	成品型号 (Product Type) :
针头 (Plunger) BeCu,gold-plated	DP100-XX-131-3.5GG(BB) 系列 规格 头型 总长 弹力 镀金 针头材质 订购举例:DP100-BJ-131-3.5GG(BB)
针管 (Barrel) Brass,gold-plated	
弹簧 (Spring) SWP or SUS,gold-plated	

Plunger(I)	
U(1)	F(1)
B(1)	J(1)
Plunger(II)	
U(2)	F(2)
B(2)	J(2)

DE058-XX-88-1.2GG(BB) SEMICONDUCTOR PROBES

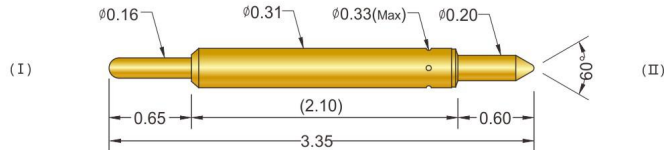


Plunger(I)	
U(1)	F(1)
B(1)	J(1)
Plunger(II)	
U(2)	F(2)
B(2)	J(2)

技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	2A
额定电阻 (Rated Resistance)	100 milliohm max
满行程 (Full Stroke)	1.20mm
额定行程 (Rated Stroke)	0.80mm
额定弹力 (Spring Force)	35±7gf@load 0.80mm(1.2oz)
频率带宽 (Bandwidth)	-1dB@12.0GHZ
测试寿命 (Mechanical Life Exceeds)	100000 cycles

材质 (Materials) :	成品型号 (Product Type) :
针头 (Plunger) BeCu,gold-plated	DE058-XX-88-1.2GG(BB) 系列 规格 头型 总长 弹力 镀金 针头材质 订购举例:DE058-JJ-88-1.2GG(BB)
针管 (Barrel) Ph,gold-plated	
弹簧 (Spring) SWP or SUS,gold-plated	

DQ031-XX-33-0.9GG(BB) SEMICONDUCTOR PROBES

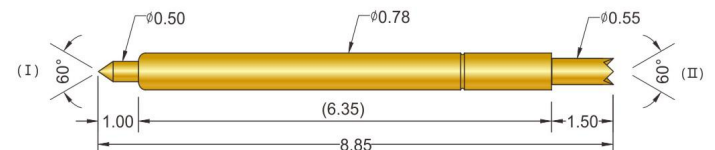


技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	1A
额定电阻 (Rated Resistance)	100 milliohm max
满行程 (Full Stroke)	0.55mm
额定行程 (Rated Stroke)	0.45mm
额定弹力 (Spring Force)	26±5gf@load 0.45mm(0.9oz)
频率带宽 (Bandwidth)	-1dB@13.0GHZ
测试寿命 (Mechanical Life Exceeds)	100000 cycles

材质 (Materials) :	成品型号 (Product Type) :
针头 (Plunger) BeCu,gold-plated	DQ031-XX-33-0.9GG(BB) 系列 规格 头型 总长 弹力 镀金 针头材质 订购举例:DQ031-JB-33-0.9GG(BB)
针管 (Barrel) Ph,gold-plated	
弹簧 (Spring) SWP or SUS,gold-plated	

Plunger(I)	
U(1)	F(1)
B(1)	J(1)
Plunger(II)	
U(2)	F(2)
B(2)	J(2)

DE078-XX-88-1.2GG(BB) SEMICONDUCTOR PROBES



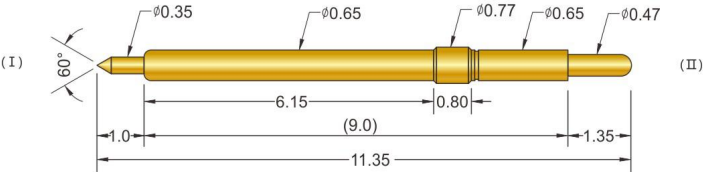
Plunger(I)	
U(1)	F(1)
B(1)	J(1)
Plunger(II)	
U(2)	F(2)
B(2)	J(2)

技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	2A
额定电阻 (Rated Resistance)	100 milliohm max
满行程 (Full Stroke)	1.50mm
额定行程 (Rated Stroke)	1.0mm
额定弹力 (Spring Force)	35±7gf@load 1.00mm(1.2oz)
频率带宽 (Bandwidth)	-1dB@6.0GHZ
测试寿命 (Mechanical Life Exceeds)	100000 cycles

材质 (Materials) :	成品型号 (Product Type) :
针头 (Plunger) BeCu,gold-plated	DE078-XX-88-1.2GG(BB) 系列 规格 头型 总长 弹力 镀金 针头材质 订购举例:DE078-BU-88-1.2GG(BB)
针管 (Barrel) Brass,gold-plated	
弹簧 (Spring) SWP or SUS,gold-plated	

HDE065-XX-113-1.6GG(BB)

SEMICONDUCTOR PROBES



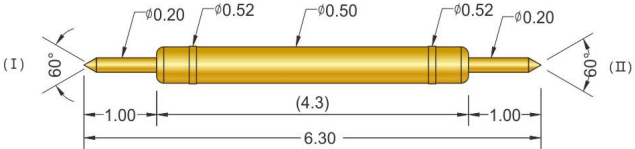
技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	2A
额定电阻 (Rated Resistance)	100 milliohm max
满行程 (Full Stroke)	1.70mm
额定行程 (Rated Stroke)	1.10mm
额定弹力 (Spring Force)	45±9gf@load 1.10mm(1.6oz)
频率带宽 (Bandwidth)	-1dB@10.3GHZ
测试寿命 (Mechanical Life Exceeds)	100000 cycles

材质 (Materials):	成品型号 (Product Type) :
针头 (Plunger)	BeCu,gold-plated
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	SWP or SUS,gold-plated
HDE065-XX-113-1.6GG(BB) 系列 规格 头型 总长 弹力 镀金 针头材质 订购举例:HDE065-JB-113-1.6GG(BB)	

Plunger(I)	
U(1)	F(1)
B(1)	J(1)
Plunger(II)	
U(2)	F(2)
B(2)	J(2)

HQE052-XX-63-0.7GG(BB)

SEMICONDUCTOR PROBES



技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	1A
额定电阻 (Rated Resistance)	100 milliohm max
满行程 (Full Stroke)	1.50mm
额定行程 (Rated Stroke)	1.00mm
额定弹力 (Spring Force)	20±4gf@load 1.00mm(0.7oz)
频率带宽 (Bandwidth)	-1dB@6.0GHZ
测试寿命 (Mechanical Life Exceeds)	100000 cycles

材质 (Materials):	成品型号 (Product Type) :
针头 (Plunger)	BeCu,gold-plated
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	SWP or SUS,gold-plated
HQE052-XX-63-0.7GG(BB) 系列 规格 头型 总长 弹力 镀金 针头材质 订购举例:HQE052-BB-63-0.7GG(BB)	

Plunger(I)	
U(1)	F(1)
B(1)	J(1)
Plunger(II)	
U(2)	F(2)
B(2)	J(2)

PCB测试探针

PRINTED CIRCUIT BOARD PROBE

PCB弹簧探针主要应用于PCB链接,是其链接的元气件,在测试过程实现导通作用.应用范围广泛,是PCB行业必须的验证测试手段之一.最早工业时期在欧美发达国家最先推行,80年代初期在中国进行普及和推行.随着工业发展和电子PCB的不断升级,电子PCB探针也在研发各种规格的产品来满足其测试需求.从最早的单层板到目前发展的多层板和软板,由于不同大小的板需不同规格的探针去满足测试,探针规格就由最早的125min、100min、75min、50min在不断演化.PCB探针的广泛应用覆盖了整个PCB行业.

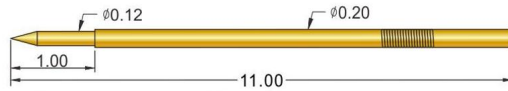
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P020

PRINTED CIRCUIT BOARD PROBE



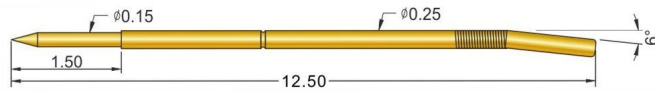
P020-B		P020-F		技术要求 (Technical Specifications) :	
				额定电流 (Current Rating)	0.3A
				额定电阻 (Rated Resistance)	220 milliohm max
				满行程 (Full Stroke)	1.50mm
				满行程弹力 (Spring Force at Full Stroke)	20g
成品型号 (Product Type) :				材质 (Materials) :	
P020-X-15g 系列 规格 头型 弹力 订购举例:P020-B-15g				针杆 (Plunger)	SK4,Rh-plated
				针管 (Barrel)	Ph,gold-plated
				弹簧 (Spring)	SWP or SUS,gold-plated

R020

			
成品型号 (Product Type) :		材质 (Materials) :	
R020-W 系列 规格 尾部特征 订购举例:R020-W		针套(Receptacle)	Ph,gold-plated

P026

PRINTED CIRCUIT BOARD PROBE



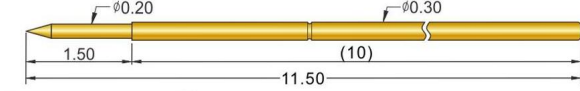
P026-B 		P026-F 		技术要求 (Technical Specifications) : <table><tr><td>额定电流 (Current Rating)</td><td>0.3A</td></tr><tr><td>额定电阻 (Rated Resistance)</td><td>220 milliohm max</td></tr><tr><td>满行程 (Full Stroke)</td><td>1.50mm</td></tr><tr><td>满行程弹力 (Spring Force at Full Stroke)</td><td>20g</td></tr></table>		额定电流 (Current Rating)	0.3A	额定电阻 (Rated Resistance)	220 milliohm max	满行程 (Full Stroke)	1.50mm	满行程弹力 (Spring Force at Full Stroke)	20g
额定电流 (Current Rating)	0.3A												
额定电阻 (Rated Resistance)	220 milliohm max												
满行程 (Full Stroke)	1.50mm												
满行程弹力 (Spring Force at Full Stroke)	20g												
P026-D 				材质 (Materials) : <table><tr><td>针杆 (Plunger)</td><td>SK4,Rh-plated</td></tr><tr><td>针管 (Barrel)</td><td>Ph,gold-plated</td></tr><tr><td>弹簧 (Spring)</td><td>SWP or SUS,gold-plated</td></tr></table>		针杆 (Plunger)	SK4,Rh-plated	针管 (Barrel)	Ph,gold-plated	弹簧 (Spring)	SWP or SUS,gold-plated		
针杆 (Plunger)	SK4,Rh-plated												
针管 (Barrel)	Ph,gold-plated												
弹簧 (Spring)	SWP or SUS,gold-plated												
成品型号 (Product Type) : P026-X-20g 系列规格头型弹力 订购举例:P026-B-20g													

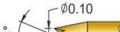
R026

			
R026-C		R026-W	
成品型号 (Product Type) :		材质 (Materials) :	
R026-W 系列 规格 尾部特征 订购举例:R026-W		针套(Receptacle)	Ph,gold-plated

P030

PRINTED CIRCUIT BOARD PROBE



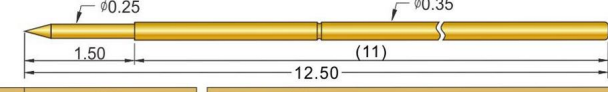
P030-J		P030-B		技术要求 (Technical Specifications) :		
				额定电流 (Current Rating)		1A
				额定电阻 (Rated Resistance)		100 milliohm max
P030-Q		P030-F		满行程 (Full Stroke)		1.50mm
				满行程弹力 (Spring Force at Full Stroke)		20g
				材质 (Materials) :		
成品型号 (Product Type) : P030-X-20g 系列 规格 头型 弹力 订购举例:P030-B-20g				针杆 (Plunger)		BeCu or SK4,gold-plated
				针管 (Barrel)		Ph,gold-plated
				弹簧 (Spring)		SWP or SUS,gold-plated

R030

		
成品型号 (Product Type) :		材质 (Materials) :
R030-1W 系列 规格 尾部特征 订购举例:R030-1W		针套(Receptacle) Ph.gold-plated

P035

PRINTED CIRCUIT BOARD PROBE



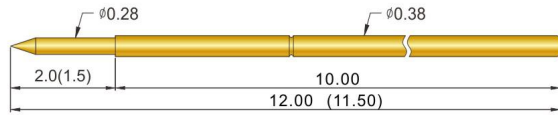
P035-J		P035-B		技术要求 (Technical Specifications) :		
				额定电流 (Current Rating)		1A
				额定电阻 (Rated Resistance)		100 milliohm max
				满行程 (Full Stroke)		1.50mm
				满行程弹力 (Spring Force at Full Stroke)		40g
材质 (Materials) :						
成品型号 (Product Type) : P035-X-40g 系列规格头型弹力 订购举例:P035-B-40g				针杆 (Plunger)		BeCu or SK4,gold-plated
				针管 (Barrel)		Ph,gold-plated
				弹簧 (Spring)		SWP or SUS,gold-plated

R035

成品型号 (Product Type) :		材质 (Materials) :
R035-1W	订购举例:R035-1W	针套(Receptacle)
系列	规格	尾部特征
		Ph.gold-plated

P038

PRINTED CIRCUIT BOARD PROBE



技术要求 (Technical Specifications) :

额定电流 (Current Rating)	1A
额定电阻 (Rated Resistance)	50 milliohm max
满行程 (Full Stroke)	1.50/2.0mm
满行程弹力 (Spring Force at Full Stroke)	40g

材质 (Materials) :

针杆 (Plunger)	SK4,Rh-plated
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	Music Wire

成品型号 (Product Type) :

P038-X-40g
系列 规格 头型 弹力

订购举例:P038-B-40g

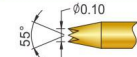
P038-J



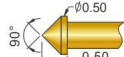
P038-B



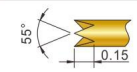
P038-F



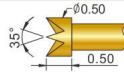
P038-E



P038-Q1



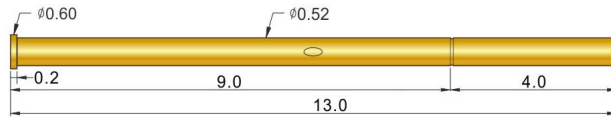
P038-Q2



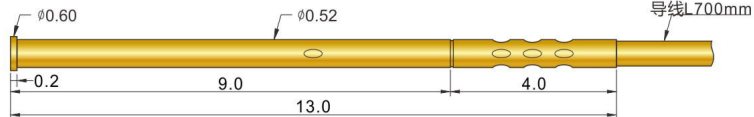
R038

PRINTED CIRCUIT BOARD PROBE

R038-C



R038-W7



钻孔尺寸: 0.60mm

材质 (Materials) :

针套(Receptacle)	Brass,gold-plated
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成品型号 (Product Type) :

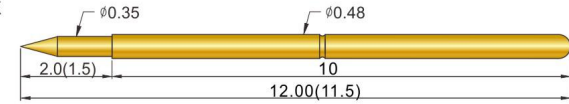
R038-C
系列 规格 尾部特征

订购举例:R038-C

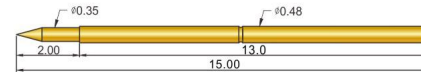
P048

PRINTED CIRCUIT BOARD PROBE

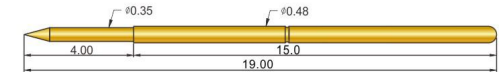
P048-X



P048-XL



P048-XLL



P048-A



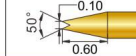
P048-B



P048-E



P048-F1



P048-G



P048-J1



P048-Q1



P048-T



技术要求 (Technical Specifications) :

额定电流 (Current Rating)	2A
接触电阻 (Contact Resistance)	50 milliohm
行程弹力 (Spring Force at Stroke)	(20g)40g

(括号内为定制品)

材质 (Materials) :

针杆 (Plunger)	SK4,Rh-plated
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	Stainless Steel Wire

成品型号 (Product Type) :

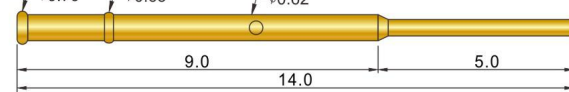
P048-B-40g
系列 规格 头型 弹力

订购举例:P048-B-40g

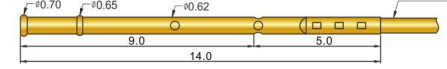
R048

PRINTED CIRCUIT BOARD PROBE

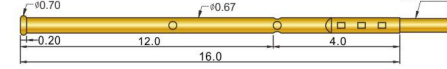
R048-C



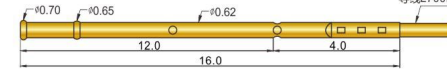
R048-W7



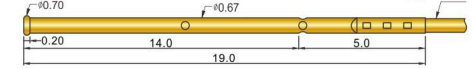
R048-C L



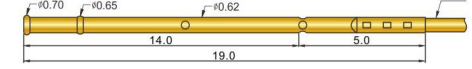
R048-W7 L



R048-C LL



R048-W7 LL



钻孔尺寸: 0.70mm

成品型号 (Product Type) :

R048-C
系列 规格 尾部特征

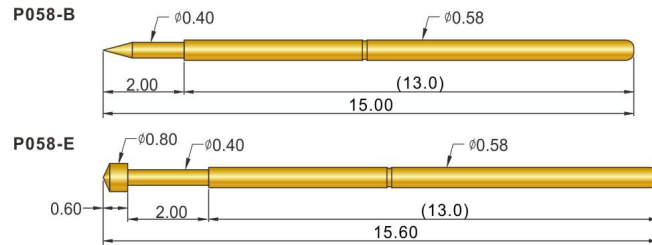
订购举例:R048-C

材质 (Materials) :

针套(Receptacle)	Brass,gold-plated
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P058

PRINTED CIRCUIT BOARD PROBE



技术要求 (Technical Specifications) :

额定电流 (Current Rating)	2A
接触电阻 (Contact Resistance)	50 milliohm
行程弹力 (Spring Force at Stroke)	(20g)70g

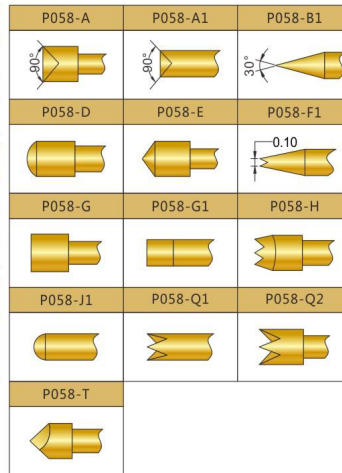
(括号内为定制品)

材质 (Materials) :

针杆 (Plunger)	SK4, Rh-plated
针管 (Barrel)	Ph, gold-plated
弹簧 (Spring)	Stainless Steel Wire

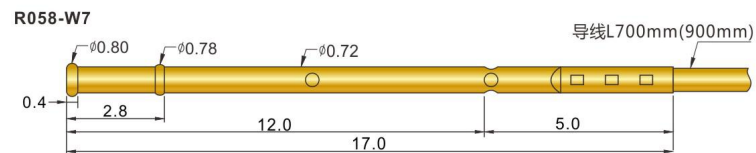
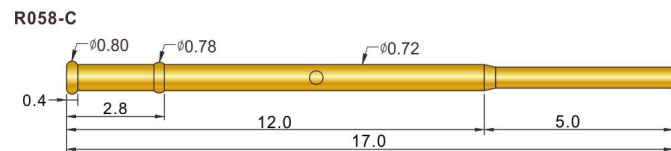
成品型号 (Product Type) :

P058-B-70g
系列 规格 头型 弹力 订购举例:P058-B-70g



R058

PRINTED CIRCUIT BOARD PROBE



钻孔尺寸: 0.80mm

材质 (Materials) :

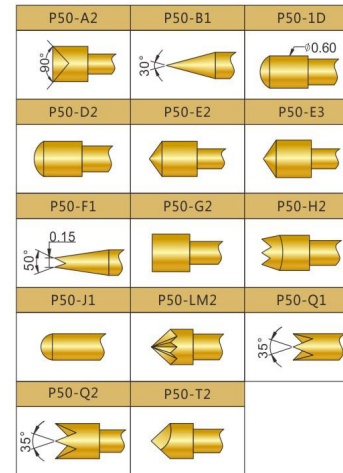
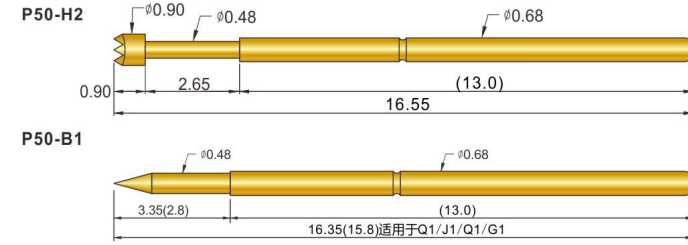
针套 (Receptacle)	Brass, gold-plated
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成品型号 (Product Type) :

R058-C
系列 规格 尾部特征 订购举例:R058-C

P50

PRINTED CIRCUIT BOARD PROBE



技术要求 (Technical Specifications) :

额定电流 (Current Rating)	3A
接触电阻 (Contact Resistance)	50 milliohm
行程弹力 (Spring Force at Stroke)	(20g)(40g)75g(120g)

(括号内为定制品)

材质 (Materials) :

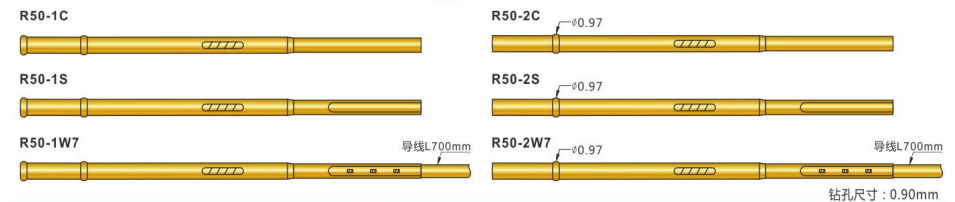
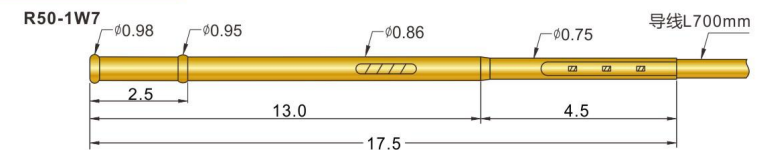
针杆 (Plunger)	BeCu or SK4, Rh or gold-plated
针管 (Barrel)	Ph, gold-plated
弹簧 (Spring)	Stainless Steel Wire

成品型号 (Product Type) :

P50-B1-75g
系列 规格 头型 头部直径 弹力 订购举例:P50-B1-75g
*1'表示针杆直上头型直径为0.48mm
*2'表示标准头型直径为0.90mm
*3'表示外径为1.20mm

R50

PRINTED CIRCUIT BOARD PROBE



成品型号 (Product Type) :

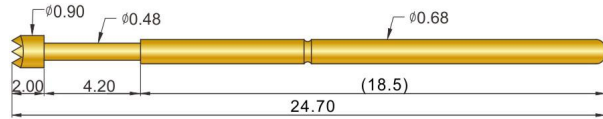
R50-1W7
系列 规格 尾部特征 订购举例:R50-1W7

材质 (Materials) :

针套 (Receptacle)	Brass, gold-plated
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P02

PRINTED CIRCUIT BOARD PROBE

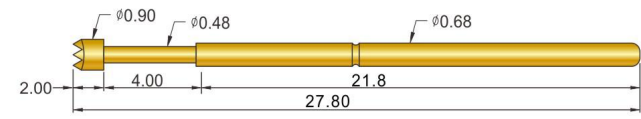


技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	3A
接触电阻 (Contact Resistance)	50 milliohm
行程弹力 (Spring Force at Stroke)	90g(120g) (型号内为定制品)
材质 (Materials) :	
针杆 (Plunger)	BeCu or SK4,Rh or gold-plated
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	Stainless Steel Wire
成品型号 (Product Type) :	
P02-E2-90g 系列 规格 头型 头部直径 弹力 *1*表示针杆直上头型直径为0.48mm *2*表示标准头型直径为0.90mm *3*表示外径为1.20mm 订购举例:P02-E2-90g	

P02-A2	P02-B1	P02-D2
P02-E2	P02-F1	P02-G2
P02-H2	P02-J1	P02-LM2
P02-Q1	P02-Q2	P02-T2

PL50

PRINTED CIRCUIT BOARD PROBE



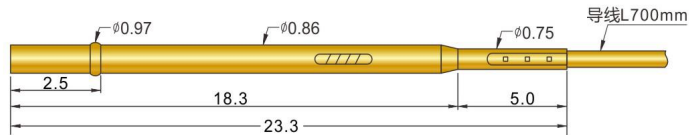
技术要求 (Technical Specifications) :		
额定电流 (Current Rating)	3A	
接触电阻 (Contact Resistance)	50 milliohm	
行程弹力 (Spring Force at Stroke)	100g	
材质 (Materials) :		
针杆 (Plunger)	BeCu or SK4,Rh or gold-plated	
针管 (Barrel)	Ph,gold-plated	
弹簧 (Spring)	Stainless Steel Wire	
成品型号 (Product Type) :		
PL50-H2-100g 系列 规格 头型 头部直径 弹力 *1*表示针杆直上头型直径为0.48mm *2*表示标准头型直径为0.90mm *3*表示外径为1.20mm 订购举例:PL50-H2-100g		

PL50-A2	PL50-B1	PL50-D2
PL50-E2	PL50-F1	PL50-G2
PL50-H2	PL50-J1	PL50-LM2
PL50-Q1	PL50-Q2	PL50-T2

R02

PRINTED CIRCUIT BOARD PROBE

R02-2W7



R02-2C



R02-2S



钻孔尺寸: 0.90mm

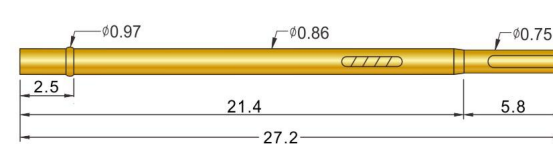
材质 (Materials) :	
针套(Receptacle)	Ph,gold-plated

成品型号 (Product Type) :	
R02-2C 系列 规格 尾部特征	订购举例:R02-2C

RL50

PRINTED CIRCUIT BOARD PROBE

RL50-2S



RL50-2C



RL50-2W7



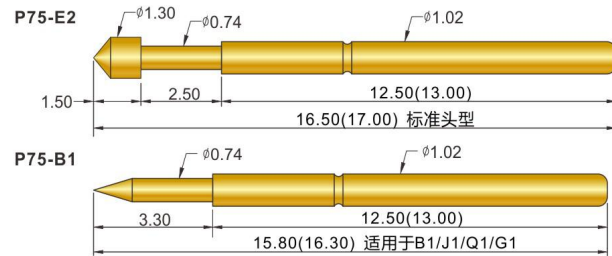
钻孔尺寸: 0.90mm

成品型号 (Product Type) :	
RL50-2S 系列 规格 尾部特征	订购举例:RL50-2S

材质 (Materials) :	
针套(Receptacle)	Ph,gold-plated

P75

PRINTED CIRCUIT BOARD PROBE



技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	3A
接触电阻 (Contact Resistance)	50 milliohm
行程弹力 (Spring Force at Stroke)	(60g)100g(180g)(220g) (括号内为定制值)

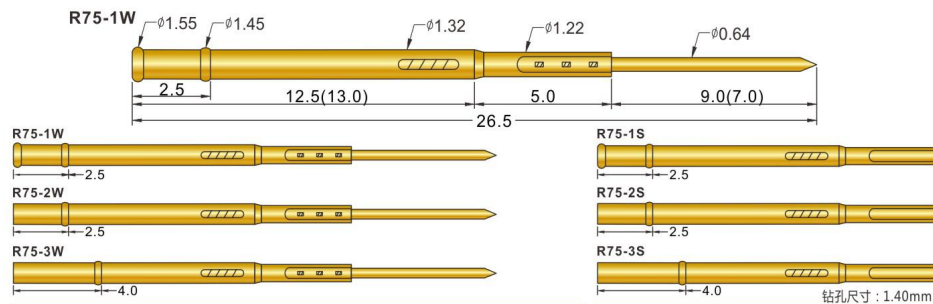
材质 (Materials):	
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	Stainless Steel Wire
针杆 (Plunger)	国产料 (Domestic Materials) Ph,Nickel-plated
	进口料 (Imported materials) BeCu or SK4,Rh or gold-plated

成品型号 (Product Type) :	
P75-E2-100g 系列 规格 头型 头部直径 弹力	*1表示针杆直上头型直径为0.74mm *2表示标准头型直径为1.30mm *3表示外径为1.50mm 订购举例:P75-E2-100g

P75-A2	P75-B1	P75-1D
P75-D2	P75-D3	P75-E2
P75-E3	P75-F1	P75-G2
P75-H2	P75-H3	P75-J1
P75-LM2	P75-LM3	P75-Q1
P75-Q2	P75-T2	P75-T3

R75

PRINTED CIRCUIT BOARD PROBE

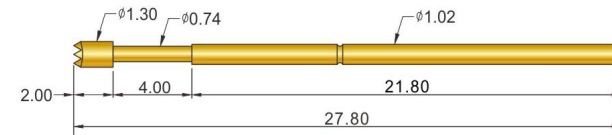


材质 (Materials):	
针套 (Receptacle)	Brass,gold-plated

成品型号 (Product Type) :	
R75-1W 系列 规格 尾部特征	订购举例:R75-1W

PM75

PRINTED CIRCUIT BOARD PROBE



PM75-A2	PM75-B1	PM75-D2
PM75-E2	PM75-F1	PM75-G2
PM75-H2	PM75-H3	PM75-J1
PM75-LM2	PM75-LM3	PM75-Q1
PM75-Q2	PM75-T2	PM75-T3

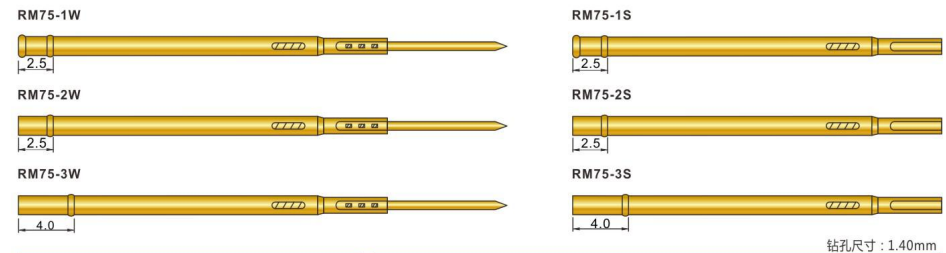
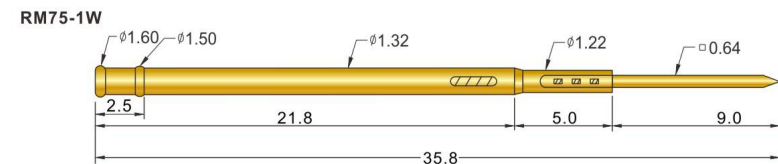
技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	3A
接触电阻 (Contact Resistance)	50 milliohm
行程弹力 (Spring Force at Stroke)	(60g)(100g)120g (括号内为定制值)

材质 (Materials):	
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	Stainless Steel Wire
针杆 (Plunger)	国产料 (Domestic Materials) Ph,Nickel-plated
	进口料 (Imported materials) BeCu or SK4,Rh or gold-plated

成品型号 (Product Type) :	
PM75-H2-120g 系列 规格 头型 头部直径 弹力	*1表示针杆直上头型直径为0.74mm *2表示标准头型直径为1.30mm *3表示外径为1.50mm 订购举例:PM75-H2-120g

RM75

PRINTED CIRCUIT BOARD PROBE



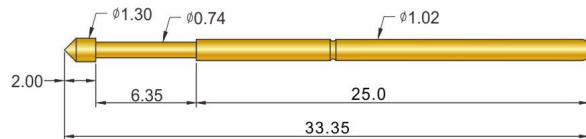
成品型号 (Product Type) :	
RM75-1W 系列 规格 尾部特征	订购举例:RM75-1W

材质 (Materials):	
针套 (Receptacle)	Brass,gold-plated

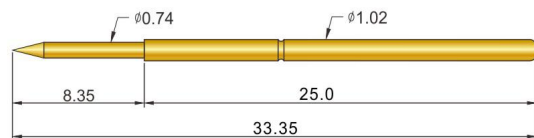
PL75

PRINTED CIRCUIT BOARD PROBE

PL75-E2



PL75-B1



PL75-A2	PL75-B1	PL75-D2	PL75-E2	PL75-F1
PL75-G1	PL75-G2	PL75-H2	PL75-J1	PL75-LM2
PL75-Q1	PL75-Q2	PL75-T2	PL75-M3	

技术要求 (Technical Specifications) :

额定电流 (Current Rating)	3A
接触电阻 (Contact Resistance)	50 milliohm
行程弹力 (Spring Force at Stroke)	(60g)(90g)120g(200g)(250g)

(括号内为定制品)

材质 (Materials) :

针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	Stainless Steel Wire
针杆 (Plunger)	国产料 (Domestic Materials) Ph,Nickel-plated
	进口料 (Imported materials) BeCu or SK4,Rh or gold-plated

成品型号 (Product Type) :

PL75-E2-120g
系列 规格 头部直径 弹力*1'表示针杆直上头型直径为0.74mm
*2'表示标准头型直径为1.3mm

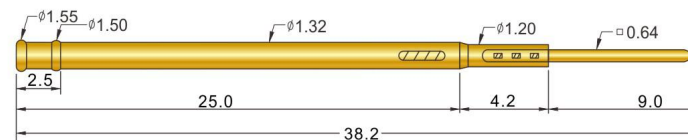
订购举例:PL75-E2-120g

RL75

PRINTED CIRCUIT BOARD PROBE

W	绕线形式
S	焊线形式
T	插端子形式

RL75-1W



RL75-1W



RL75-1T



RL75-2W



RL75-2T



RL75-3W



RL75-3T



RL75-4W



RL75-4T



RL75-5W



RL75-5T



RL75-1S



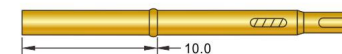
RL75-4S



RL75-2S



RL75-5S



RL75-3S



成品型号 (Product Type) :

RL75-1W
系列 规格 尾部特征

订购举例:RL75-1W

材质 (Materials) :

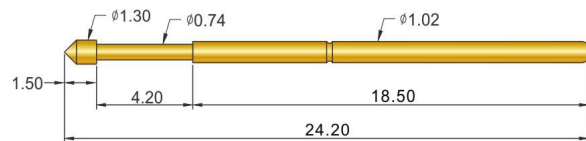
针套(Receptacle)

Brass,gold-plated

钻孔尺寸:1.40mm

P11

PRINTED CIRCUIT BOARD PROBE



P11-A2	P11-B1	P11-D2	P11-D3	P11-E2
P11-J1	P11-F	P11-Q1	P11-Q2	P11-G1
P11-G2	P11-H2	P11-H3	P11-T2	P11-T3
P11-LM2	P11-LM3			

技术要求 (Technical Specifications) :

额定电流 (Current Rating)	3A
接触电阻 (Contact Resistance)	50 milliohm
行程弹力 (Spring Force at Stroke)	(80g)150g

(括号内为定制品)

材质 (Materials) :

针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	Stainless Steel Wire
针杆 (Plunger)	国产料 (Domestic Materials) Ph,Nickel-plated
	进口料 (Imported materials) BeCu or SK4,Nickel or Rh or gold-plated

成品型号 (Product Type) :

P11-E2-150g
系列 规格 头型 头部直径 弹力

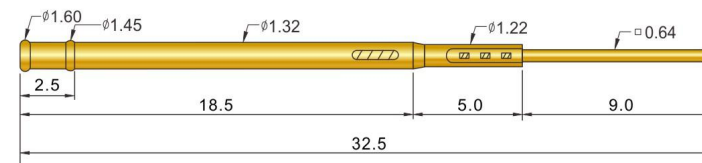
*1'表示针杆直上头型直径为0.74mm
*2'表示标准头型直径为1.30mm
*3'表示外径为1.50mm

订购举例:P11-E2-150g

R11

PRINTED CIRCUIT BOARD PROBE

R11-1W



R11-2W



R11-3W



R11-1S



R11-2S



R11-3S



R11-1T



钻孔尺寸: 1.40mm

成品型号 (Product Type) :

R11-1W
系列 规格 尾部特征

订购举例:R11-1W

材质 (Materials) :

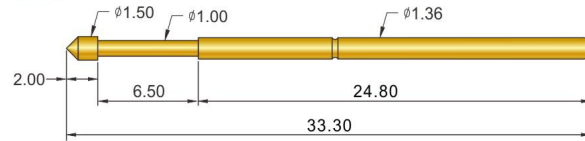
针套(Receptacle)

Brass,gold-plated

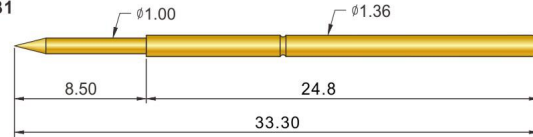
P100

PRINTED CIRCUIT BOARD PROBE

P100-E2



P100-B1



P100-A2	P100-A3	P100-B1	P100-D2	P100-D3
P100-E2	P100-E3	P100-F1	P100-G1	P100-G2
P100-H2	P100-H3	P100-H4	P100-H5	P100-H6
P100-J1	P100-LM2	P100-LM3	P100-Q1	P100-Q2
P100-M3	P100-T2	P100-T3		

技术要求 (Technical Specifications) :

额定电流 (Current Rating)	3A
接触电阻 (Contact Resistance)	50 milliohm
行程弹力 (Spring Force at Stroke)	(40g)(90g)(120g)180g(250g)(280g)(350g) (括号内为定制品)

材质 (Materials) :

针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	Stainless Steel Wire
针杆 (Plunger)	国产料 (Domestic Materials) Ph,Nickel-plated 进口料 (Imported materials) BeCu or SK4,Rh or gold-plated

成品型号 (Product Type) :

P100-E2-180g

系列 规格 头部直径 弹力

*1'表示针杆直上头型直径为1.00mm

*2'表示标准头型直径为1.50mm

*3'表示外径为1.80mm

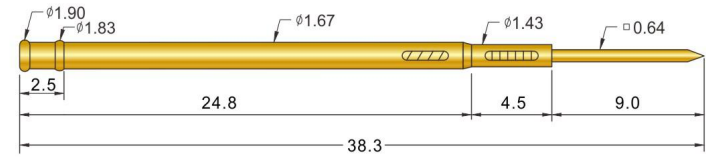
订购举例:P100-E2-180g

R100

PRINTED CIRCUIT BOARD PROBE

W	绕线形式
S	焊线形式
T	插端子形式

R100-1W



R100-1W



R100-1T



R100-2W



R100-2T



R100-3W



R100-3T



R100-4W



R100-4T



R100-5W



R100-5T



R100-1S



R100-3VW



R100-2S



R100-4VW



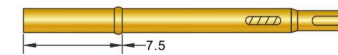
R100-3S



R100-3VT



R100-4S



R100-4VT



钻孔尺寸: 1.70mm

成品型号 (Product Type) :

R100-1W

系列 规格 尾部特征

订购举例:R100-1W

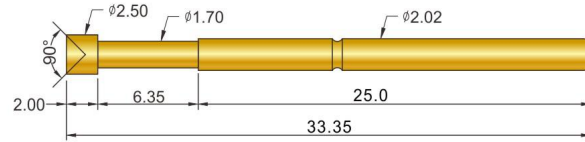
材质 (Materials) :

针套(Receptacle)

Brass,gold-plated

P125

PRINTED CIRCUIT BOARD PROBE

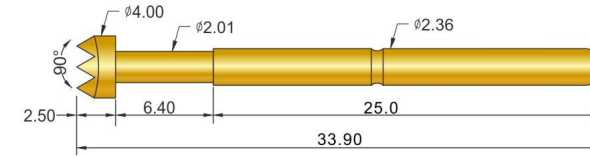


技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	5A
接触电阻 (Contact Resistance)	50 milliohm
行程弹力 (Spring Force at Stroke)	(70g)180g(250g)(350g) (括号内为定制品)
材质 (Materials):	
针管 (Barrel)	Brass,gold-plated
弹簧 (Spring)	Stainless Steel Wire
针杆 (Plunger)	国产料 (Domestic Materials) Ph,Nickel-plated
	进口料 (Imported materials) BeCu or SK4,Rh or gold-plated
成品型号 (Product Type) :	
P125-A-180g 系列 规格 头型 弹力 订购举例:P125-A-180g	

P125-A	P125-B
P125-D	P125-E2
P125-G2	P125-H
P125-J	P125-Q1
P125-Q2	P125-T2

P156

PRINTED CIRCUIT BOARD PROBE

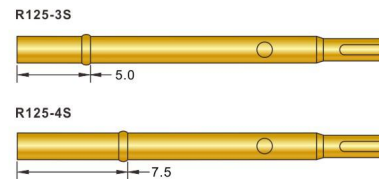
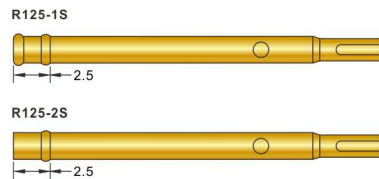
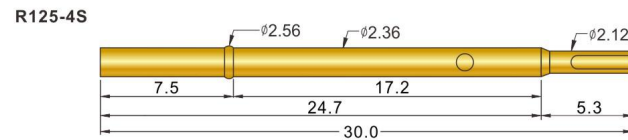


P156-A	P156-B
P156-D	P156-E2
P156-G2	P156-H
P156-J1	P156-Q1
P156-Q2	P156-T2

技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	5A
接触电阻 (Contact Resistance)	50 milliohm
行程弹力 (Spring Force at Stroke)	(50g)(200g)250g(280g)(380g) (括号内为定制品)
材质 (Materials):	
针管 (Barrel)	Brass,gold-plated
弹簧 (Spring)	Stainless Steel Wire
针杆 (Plunger)	国产料 (Domestic Materials) Ph,Nickel-plated
	进口料 (Imported materials) BeCu or SK4,Rh or gold-plated
成品型号 (Product Type) :	
P156-H-250g 系列 规格 头型 弹力 订购举例:P156-H-250g	

R125

PRINTED CIRCUIT BOARD PROBE

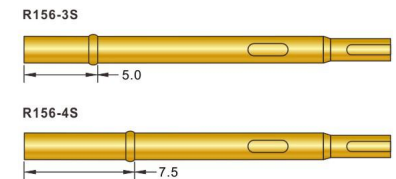
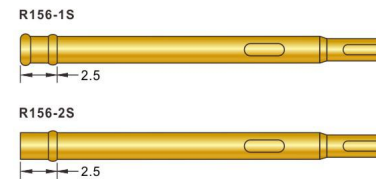
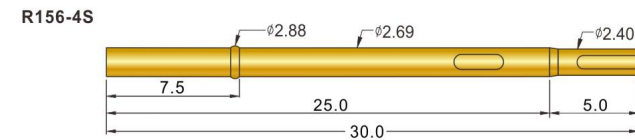


钻孔尺寸: 2.40mm

材质 (Materials):	
针套(Receptacle)	Brass,gold-plated
成品型号 (Product Type) :	
R125-4S 系列 规格 尾部特征 订购举例:R125-4S	

R156

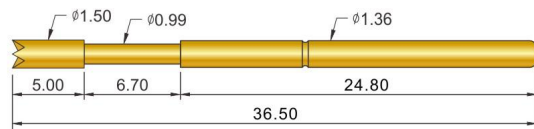
PRINTED CIRCUIT BOARD PROBE

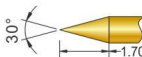
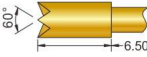
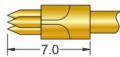


钻孔尺寸: 2.75mm

成品型号 (Product Type) :	
R156-4S 系列 规格 尾部特征 订购举例:R156-4S	
材质 (Materials):	
针套(Receptacle)	Brass,gold-plated

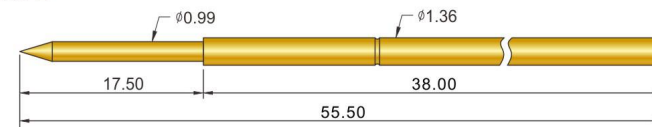
G1353 PRINTED CIRCUIT BOARD PROBE



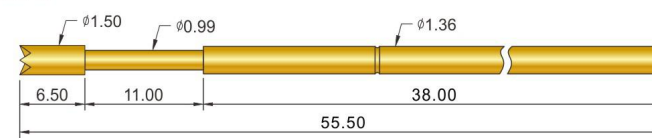
技术要求 (Technical Specifications) :		G1353-B	
额定电流 (Current Rating)	3A		
接触电阻 (Contact Resistance)	50 milliohm		
行程弹力 (Spring Force at Stroke)	180g(280g)		
		(括号内为定扭矩)	
材质 (Materials) :		G1353-H	
针杆 (Plunger)	BeCu or SK4, Rh or gold-plated		
针管 (Barrel)	Ph, gold-plated		
弹簧 (Spring)	Music Wire		
成品型号 (Product Type) :		G1353-Q	
G1353-Q-180g			
系列 规格 头型 弹力			
订购举例: G1353-Q-180g			
		G1353-M3	

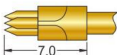
GL1353 PRINTED CIRCUIT BOARD PROBE

GL1353-B



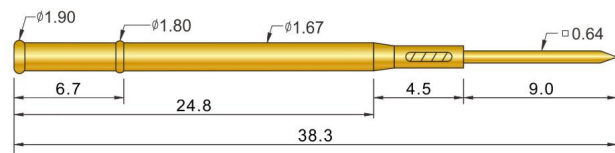
GL1353-Q



	GL1353-B
	GL1353-H
	GL1353-Q
	GL1353-M3

技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	3A
接触电阻 (Contact Resistance)	50 milliohm
行程弹力 (Spring Force at Stroke)	250g
材质 (Materials) :	
针杆 (Plunger)	BeCu or SK4,Rh or gold-plated
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	Music Wire
成品型号 (Product Type) :	
GL1353-Q-250g 系列 规格 头型 弹力	
订购举例:GL1353-Q-250g	

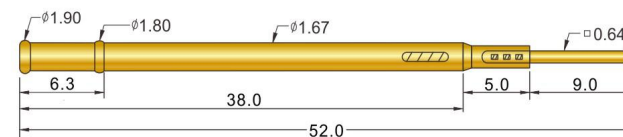
R1353-4W PRINTED CIRCUIT BOARD PROBE



钻孔尺寸: 1.70mm

材质 (Materials) :		成品型号 (Product Type) :	
针套 (Receptacle)	Brass, gold-plated	R1353-4W 系列 规格 尾部特征	订购举例: R1353-4W

GL1353R-W PRINTED CIRCUIT BOARD PROBE

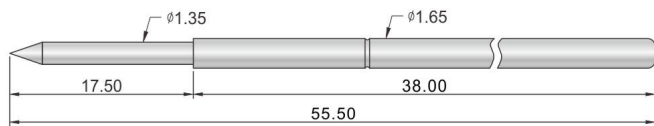


钻孔尺寸: 1.70mm

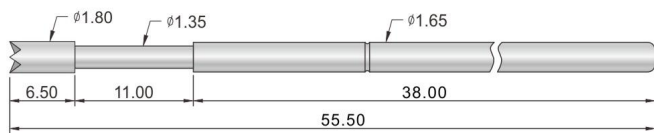
成品型号 (Product Type) :		材质 (Materials) :	
GL1353R-W 系列 规格 尾部特征	订购举例: GL1353R-W	针套 (Receptacle)	Brass, gold-plated

S1353 PRINTED CIRCUIT BOARD PROBE

S1353-B



S1353-Q



技术要求 (Technical Specifications) :

额定电流 (Current Rating)	3A
接触电阻 (Contact Resistance)	50 milliohm
行程弹力 (Spring Force at Stroke)	(180g)340g

(括号内为定制值)

材质 (Materials) :

针杆 (Plunger)	Ni-Ag/Ph, Nickel/gold-plated
针管 (Barrel)	Ni-Ag/Ph, Nickel
弹簧 (Spring)	Music Wire

成品型号 (Product Type) :

S1353-B-340g
系列 规格 头型 弹力 订购举例:S1353-B-340g

S1353-B



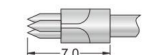
S1353-H



S1353-Q

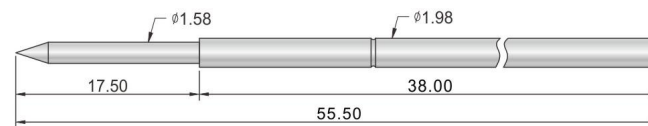


S1353-M3

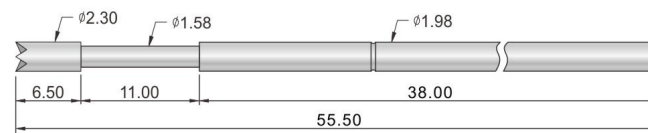


1353L PRINTED CIRCUIT BOARD PROBE

1353L-B



1353L-Q



技术要求 (Technical Specifications) :

额定电流 (Current Rating)	3A
接触电阻 (Contact Resistance)	50 milliohm
行程弹力 (Spring Force at Stroke)	380g

材质 (Materials) :

针杆 (Plunger)	BeCu or SK4,Rh or gold-plated
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	Music Wire

成品型号 (Product Type) :

1353L-Q-380g
系列 型号 头型 弹力 订购举例:1353L-Q-380g

1353L-B



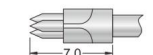
1353L-H



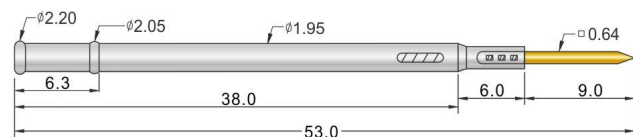
1353L-Q



1353L-M3



RS1353-W PRINTED CIRCUIT BOARD PROBE



钻孔尺寸: 2.00mm

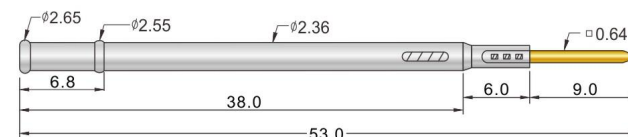
材质 (Materials) :

针套(Receptacle)	Ni-Ag/Ph, Nickel/gold-plated
----------------	------------------------------

成品型号 (Product Type) :

RS1353-W
系列 规格 尾部特征 订购举例:RS1353-W

RL1353-W PRINTED CIRCUIT BOARD PROBE



钻孔尺寸: 2.40mm

成品型号 (Product Type) :

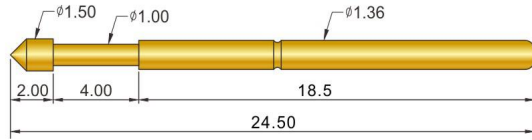
RL1353-W
系列 规格 尾部特征 订购举例:RL1353-W

材质 (Materials) :

针套(Receptacle)	Brass,gold-plated
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P160

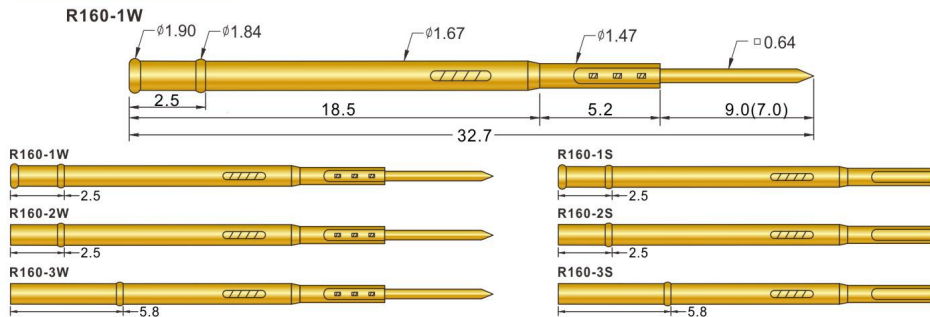
PRINTED CIRCUIT BOARD PROBE



技术要求 (Technical Specifications) :					
额定电流 (Current Rating)	3A				
接触电阻 (Contact Resistance)	50 milliohm				
行程弹力 (Spring Force at Stroke)	(40g)(60g)(100g)180g(280g)(340g) (括号内为定制品)				
材质 (Materials) :					
针管 (Barrel)	Ph,gold-plated				
弹簧 (Spring)	Stainless Steel Wire				
针杆 (Plunger)	国产料 (Domestic Materials)	Ph,Nickel-plated			
	进口料 (Imported materials)	BeCu or SK4,Rh or gold-plated			
成品型号 (Product Type) :					
P160-E2-180g 系列 规格 头型 头部直径 弹力 *1"表示针杆直上头型直径为1.00mm *2"表示标准头型直径为1.50mm *3"表示外径为1.80mm 订购举例:P160-E2-180g					
P160-E/P160-LM头部分别 有1.5、1.8、2.0、2.5、3.0、4.0	P160-Q2	P160-T2	P160-T3	P160-J1	P160-Q1

R160

PRINTED CIRCUIT BOARD PROBE



材质 (Materials) :		成品型号 (Product Type) :	
针套(Receptacle)	Brass,gold-plated	R160-1W 系列 规格 尾部特征	订购举例 R160-1W

ICT测试探针

IN-CIRCUIT/FUNCTIONAL TEST(ICT/FCT)

ICT测试的定义、应用范围、特点及ICT测试的意义

ICT测试的定义

在线测试, ICT, In-Circuit Test, 是通过在线元器件的电性能及电气连接进行测试来检查生产制造缺陷及元器件不良的一种标准测试手段, 它主要检查在线的单个元器件以及各电路及各电路网络的开、短路情况, 具有操作简单、快捷迅速、故障定位准确等特点。

ICT测试的应用范围

检查制成板上在线元器件的电性能和电路网络的连接的情况。能够定量地对电阻、电容、电感、晶振等器件进行测量, 对二极管、三极管、光藕、变压器、运算放大器、电源模块等进行功能测试, 对中小规模的集成电路进行功能测试, 如所有74系列、Memory类、常用驱动类、交换类等IC。

ICT测试的特点

它通过直接对在线器件电气性能的测试来发现制造工艺的缺陷和元器件的不良。元件类可检查出元件值的超差、失效或损坏, Memory类的程序错误等。对工艺类可发现如焊锡短路, 元件插错、插反、漏装, 管脚翘起、虚焊, PCB短路、断线等故障。

测试的故障直接定位在具体的元件、器件管脚、网络点上, 故障定位准确。对故障的维修不需较多专业知识, 采用程序控制的自动化测试, 操作简单, 测试快捷迅速, 单板的测试时间一般在几秒至几十秒。

ICT测试的意义

在线测试通常是生产中第一道测试工序, 能及时反应生产制造状况, 利于工艺改进和提升。ICT测试过的故障板, 因故障定位准, 维修方便, 可大幅提高生产效率和减少维修成本。因其测试项目具体, 是现代化大生产品质保证的重要测试手段之一。

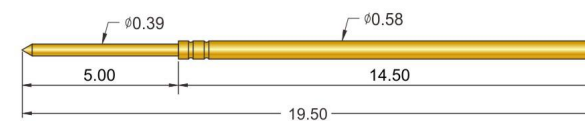
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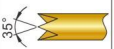
SP-ICT058-X-2.4	44
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SP-ICT058-X-2.4

IN-CIRCUIT/FUNCTIONAL TEST(ICT/FCT)



SP-ICT058-B	SP-ICT058-J	SP-ICT058-Q1
		

成品型号 (Product Type) :

SP-ICT058-B-2.4
系列 规格 头型 弹力
订购举例:SP-ICT058-B-2.4

技术要求 (Technical Specifications) :

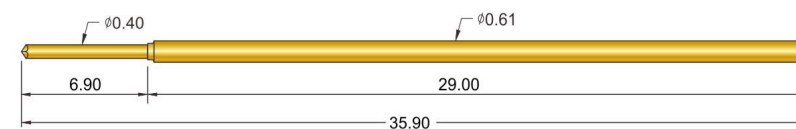
额定电流 (Current Rating)	2A
额定电阻 (Rated Resistance)	50 milliohm max
满行程 (Full Stroke)	4.0mm
额定行程 (Rated Stroke)	2.60mm
额定弹力 (Spring Force)	70gf@load 2.60mm(2.4oz)

材质 (Materials) :

针头 (Plunger)	SK4/BeCu,gold-plated
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	SWP,gold-plated

SP040

IN-CIRCUIT/FUNCTIONAL TEST(ICT/FCT)



SP040-04	SP040-05
	
SP040-22	SP040-38
	
SP040-97	
	

技术要求 (Technical Specifications) :

额定电流 (Current Rating)	2A
接触电阻 (Contact Resistance)	30 milliohm max
行程弹力 (Spring Force at Stroke)	80gf

材质 (Materials) :

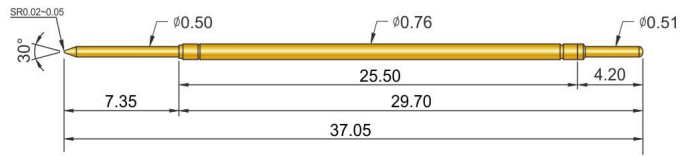
针杆 (Plunger)	SK4/BeCu,gold-plated
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	SWP,gold-plated

成品型号 (Product Type) :

SP040-38-80gf
系列 规格 头型 弹力
订购举例:SP040-38-80gf

SP-ICT076-XX-3.5-GG

IN-CIRCUIT/FUNCTIONAL TEST(ICT/FCT)

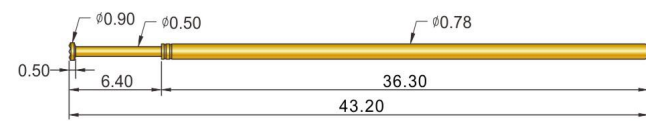


技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	3A
额定电阻 (Rated Resistance)	50 milliohm max
满行程 (Full Stroke)	6.35mm
额定行程 (Rated Stroke)	4.30mm
额定弹力 (Spring Force)	95gf@load 4.30mm(3.5oz)
材质 (Materials) :	
针头 (Plunger)	SK4/BeCu,gold-plated
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	SWP,gold-plated

SP-ICT076-B	SP-ICT076-J	SP-ICT076-Q1
成品型号 (Product Type) :		
SP-ICT076-J1-3.5-GG 系列 规格 头型 弹力 镀金 订购举例:SP-ICT076-J1-3.5-GG		

SP050

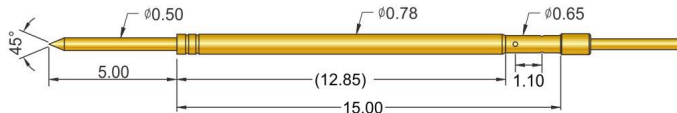
IN-CIRCUIT/FUNCTIONAL TEST(ICT/FCT)



303-N050	305-N050	技术要求 (Technical Specifications) :	
		额定电流 (Current Rating)	3A
		接触电阻 (Contact Resistance)	30 milliohm max
		行程弹力 (Spring Force at Stroke)	2N(200gf),3N(300gf)
306-N050	307-N050	材质 (Materials) :	
		针杆 (Plunger)	SK4/BeCu,gold-plated
		针管 (Barrel)	Ph,gold-plated
		弹簧 (Spring)	SWP,gold-plated
214-N050	231-N050	成品型号 (Product Type) :	
		SP050-303-N050-2N 系列 规格 头型 尺寸特征 弹力 订购举例:SP050-303-N050-2N	
291-N050	297-N050		

SP-078-X-3.9

IN-CIRCUIT/FUNCTIONAL TEST(ICT/FCT)

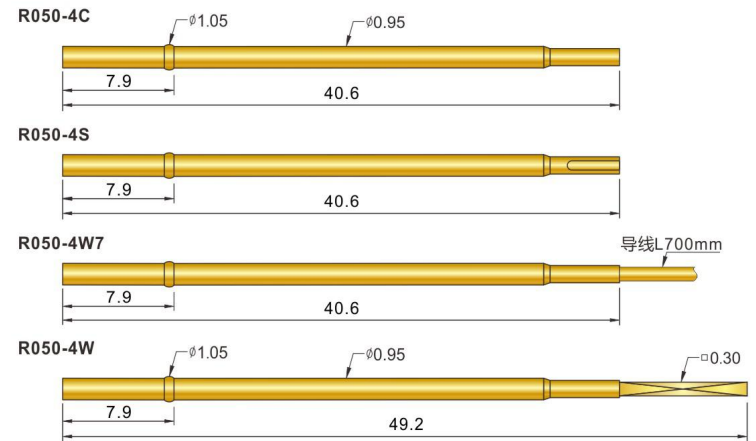


技术要求 (Technical Specifications) :	
额定电流 (Current Rating)	3A
额定电阻 (Rated Resistance)	50 milliohm max
满行程 (Full Stroke)	4.0mm
额定行程 (Rated Stroke)	2.60mm
额定弹力 (Spring Force)	110gf@load 2.60mm(3.9oz)
材质 (Materials) :	
针头 (Plunger)	SK4/BeCu,gold-plated
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	SWP,gold-plated

SP-078-B	SP-078-J	SP-078-Q1
成品型号 (Product Type) :		
SP-078-B-3.9 系列 规格 头型 弹力 订购举例:SP-078-B-3.9		

R050

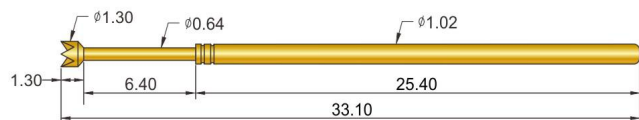
IN-CIRCUIT/FUNCTIONAL TEST(ICT/FCT)



成品型号 (Product Type) :		材质 (Materials) :	
R050-4C	订购举例:R050-4C	针套(Receptacle)	Ph,gold-plated

SP075

IN-CIRCUIT/FUNCTIONAL TEST(ICT/FCT)



技术要求 (Technical Specifications) :

额定电流 (Current Rating)	3A
接触电阻 (Contact Resistance)	30 milliohm max
行程弹力 (Spring Force at Stroke)	2N(200gf),3N(300gf)

材质 (Materials):

针杆 (Plunger)	SK4/BeCu,gold-plated
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	SWP,gold-plated

成品型号 (Product Type) :

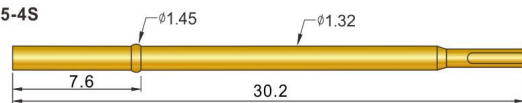
SP075-201-N064-2N
系列 规格 头型 尺寸特征 弹力 订购举例:SP075-201-N064-2N

289-N050	291-N064	297-N064	288-N120	277-N064	238-N064	231-N064

R075

IN-CIRCUIT/FUNCTIONAL TEST(ICT/FCT)

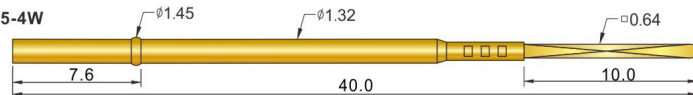
R075-4S



R075-4C



R075-4W



R075-5W



材质 (Materials):

针套(Receptacle)	Ph,gold-plated
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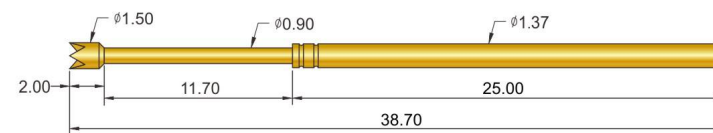
成品型号 (Product Type) :

R075-4S
系列 规格 尾部特征 订购举例:R075-4S

钻孔尺寸: 1.35mm

SP135

IN-CIRCUIT/FUNCTIONAL TEST(ICT/FCT)



201-N090	302-N090	303-N130	204-N130	306-N130
306-N150	307-N150	307-N250	209-N060	214-N050
214-N130	214-N150	225-N130	291-N090	297-N090

技术要求 (Technical Specifications) :

额定电流 (Current Rating)	5A
接触电阻 (Contact Resistance)	30 milliohm max
行程弹力 (Spring Force at Stroke)	2N(200gf),3N(300gf)

材质 (Materials):

针杆 (Plunger)	SK4/BeCu,gold-plated
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	SWP,gold-plated

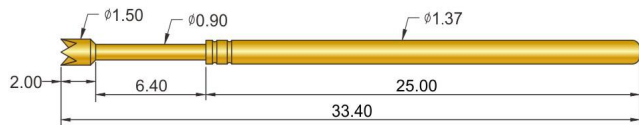
成品型号 (Product Type) :

SP135-306-N130-2N
系列 规格 头型 尺寸特征 弹力

订购举例:SP135-306-N130-2N

SP100

IN-CIRCUIT/FUNCTIONAL TEST(ICT/FCT)



006-N225	201-N090	302-N150	303-N150	204-N130
204-N150	305-N090	306-N130	306-N150	306-N200
306-N300	307-N090	307-N150	209-N060	313-N090
214-N050	214-N106	214-N130 (N150)	217-N170	224-N130 (N150)
225-N130 (N150)	231-N090	233-N106	238-N090	355-N064
277-N090	288-N150	289-N050	291-N090	291-N130
293-N160	297-N090	298-N090		

技术要求 (Technical Specifications) :

额定电流 (Current Rating)	5A
接触电阻 (Contact Resistance)	30 milliohm max
行程弹力 (Spring Force at Stroke)	2N(200gf),3N(300gf)

材质 (Materials) :

针杆 (Plunger)	SK4/BeCu,gold-plated
针管 (Barrel)	Ph,gold-plated
弹簧 (Spring)	SWP,gold-plated

成品型号 (Product Type) :

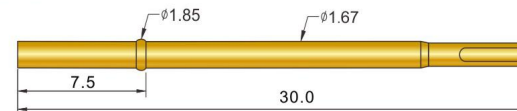
SP100-006-N225-2N
系列 规格 头型 尺寸特征 弹力

订购举例:SP100-006-N225-2N

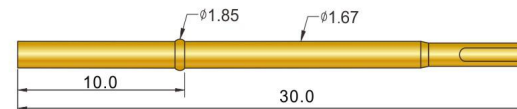
R100

IN-CIRCUIT/FUNCTIONAL TEST(ICT/FCT)

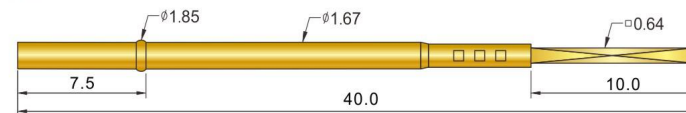
R100-4S



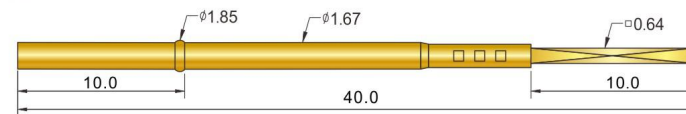
R100-5S



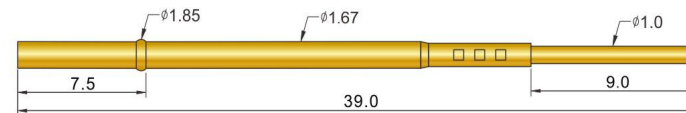
R100-4W



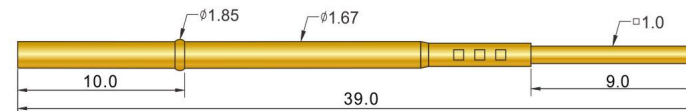
R100-5W



R100-4T



R100-5T



钻孔尺寸: 1.70mm

成品型号 (Product Type) :

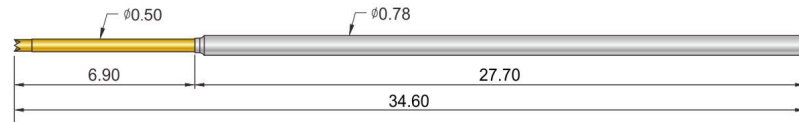
R100-4S
系列 规格 尾部特征 订购举例:R100-4S

材质 (Materials) :

针套(Receptacle)	Ph,gold-plated
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SQ050

IN-CIRCUIT/FUNCTIONAL TEST(ICT/FCT)



技术要求 (Technical Specifications) :

额定电流 (Current Rating)	3A
接触电阻 (Contact Resistance)	30 milliohm max
行程弹力 (Spring Force at Stroke)	2N(200gf), 3N(300gf)

材质 (Materials) :

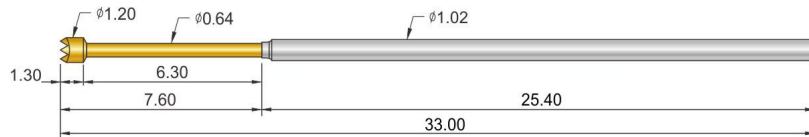
针杆 (Plunger)	SK4/BeCu, gold-plated
针管 (Barrel)	Ni-Ag/Ph, Nickel/gold-plated
弹簧 (Spring)	SWP, gold-plated

成品型号 (Product Type) :

SQ050-2503-2N
系列 规格 头型 弹力
订购举例: SQ050-2503-2N

SQ075

IN-CIRCUIT/FUNCTIONAL TEST(ICT/FCT)



技术要求 (Technical Specifications) :

额定电流 (Current Rating)	3A
接触电阻 (Contact Resistance)	30 milliohm max
行程弹力 (Spring Force at Stroke)	2N(200gf), 3N(300gf)

材质 (Materials) :

针杆 (Plunger)	SK4/BeCu, gold-plated
针管 (Barrel)	Ni-Ag/Ph, Nickel/gold-plated
弹簧 (Spring)	SWP, gold-plated

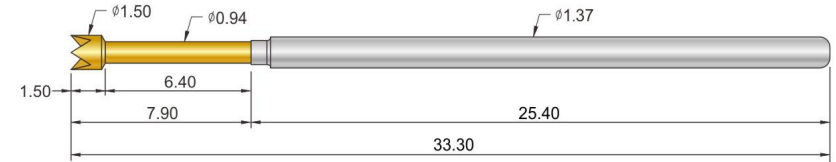
成品型号 (Product Type) :

SQ075-2501-2N
系列 规格 头型 弹力
订购举例: SQ075-2501-2N

SQ075-01	SQ075-03	SQ075-05	SQ075-06	SQ075-07
SQ075-08	SQ075-09	SQ075-10	SQ075-18	SQ075-22
SQ075-24	SQ075-34	SQ075-40	SQ075-41	SQ075-43
SQ075-44	SQ075-51	SQ075-53	SQ075-54	SQ075-55
SQ075-58	SQ075-61	SQ075-63	SQ075-74	SQ075-84

SQ100

IN-CIRCUIT/FUNCTIONAL TEST(ICT/FCT)



SQ100-01	SQ100-03	SQ100-04	SQ100-05	SQ100-06	SQ100-07
SQ100-08	SQ100-09	SQ100-10	SQ100-14	SQ100-18	SQ100-19
SQ100-22	SQ100-24	SQ100-24-s	SQ100-29	SQ100-30	SQ100-31
SQ100-32	SQ100-34	SQ100-34-s	SQ100-40	SQ100-41	SQ100-43
SQ100-44	SQ100-49	SQ100-51	SQ100-53	SQ100-54	SQ100-55
SQ100-56	SQ100-58	SQ100-61	SQ100-62	SQ100-63	SQ100-64
SQ100-70	SQ100-74	SQ100-84	SQ100-99		

成品型号 (Product Type) :

SQ100-2501-2N
系列 规格 头型 弹力

订购举例: SQ100-2501-2N

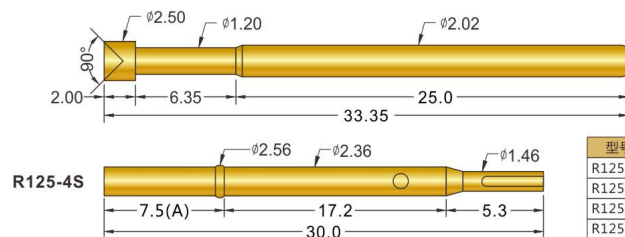
技术要求 (Technical Specifications) :

额定电流 (Current Rating)	5A
接触电阻 (Contact Resistance)	30 milliohm max
行程弹力 (Spring Force at Stroke)	2N(200gf), 3N(300gf)

材质 (Materials) :

针杆 (Plunger)	SK4/BeCu, gold-plated
针管 (Barrel)	Ni-Ag/Ph, Nickel/gold-plated
弹簧 (Spring)	SWP, gold-plated

SP125 IN-CIRCUIT/FUNCTIONAL TEST(ICT/FCT)

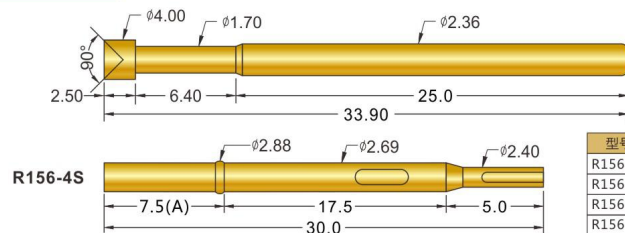


型号	A
R125-1S	0(喇叭口)
R125-2S	2.5
R125-3S	5.0
R125-4S	7.5

技术要求 (Technical Specifications) :					
钻孔尺寸 (Hole Size)	2.4mm				
额定电流 (Current Rating)	5A				
接触电阻 (Contact Resistance)	50 milliohm				
行程弹力 (Spring Force at Stroke)	1.8N(180gf), 3.5N(350gf) (括号内为定制值)				
材质 (Materials) :					
针管 (Barrel)	Brass, gold-plated				
弹簧 (Spring)	Stainless Steel Wire				
针套 (Receptacle)	Brass, gold-plated				
针杆 (Plunger)	<table border="1"> <tr> <td>国产料 (Domestic Materials)</td><td>Ph, Nickel-plated</td></tr> <tr> <td>进口料 (Imported materials)</td><td>BeCu or SK4, Rh or gold-plated</td></tr> </table>	国产料 (Domestic Materials)	Ph, Nickel-plated	进口料 (Imported materials)	BeCu or SK4, Rh or gold-plated
国产料 (Domestic Materials)	Ph, Nickel-plated				
进口料 (Imported materials)	BeCu or SK4, Rh or gold-plated				

SP125-B	SP125-D
SP125-H	SP125-Q
SP125-1Q	SP125-T
成品型号 (Product Type) :	
SP125-A-1.8N 系列 规格 头型 弹力 订购举例: SP125-A-1.8N	

SP156 IN-CIRCUIT/FUNCTIONAL TEST(ICT/FCT)

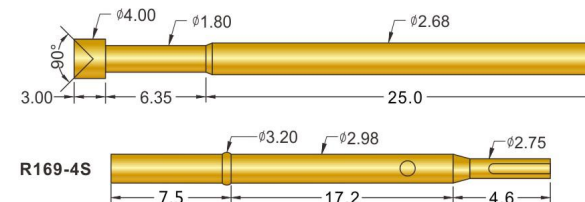


型号	A
R156-1S	0(喇叭口)
R156-2S	2.5
R156-3S	5.0
R156-4S	7.5

技术要求 (Technical Specifications) :					
钻孔尺寸 (Hole Size)	2.75mm				
额定电流 (Current Rating)	5A				
接触电阻 (Contact Resistance)	50 milliohm				
行程弹力 (Spring Force at Stroke)	2.5N(250gf), 3.5N(350gf) (括号内为定制值)				
材质 (Materials) :					
针管 (Barrel)	Brass, gold-plated				
弹簧 (Spring)	Stainless Steel Wire				
针套 (Receptacle)	Brass, gold-plated				
针杆 (Plunger)	<table border="1"> <tr> <td>国产料 (Domestic Materials)</td><td>Ph, Nickel-plated</td></tr> <tr> <td>进口料 (Imported materials)</td><td>BeCu or SK4, Rh or gold-plated</td></tr> </table>	国产料 (Domestic Materials)	Ph, Nickel-plated	进口料 (Imported materials)	BeCu or SK4, Rh or gold-plated
国产料 (Domestic Materials)	Ph, Nickel-plated				
进口料 (Imported materials)	BeCu or SK4, Rh or gold-plated				

SP156-B	SP156-D
SP156-H	SP156-Q
成品型号 (Product Type) :	
SP156-A-2.5N 系列 规格 头型 弹力 订购举例: SP156-A-2.5N	

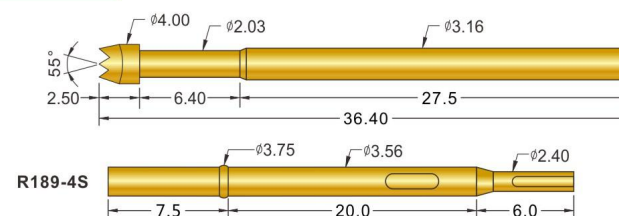
SP169 IN-CIRCUIT/FUNCTIONAL TEST(ICT/FCT)



SP169-B	SP169-D
SP169-H	SP169-Q
成品型号 (Product Type) :	
SP169-A-6N 系列 规格 头型 弹力 订购举例: SP169-A-6N	

技术要求 (Technical Specifications) :					
钻孔尺寸 (Hole Size)	3.0mm				
额定电流 (Current Rating)	5A				
接触电阻 (Contact Resistance)	50 milliohm				
行程弹力 (Spring Force at Stroke)	6N(600gf)				
材质 (Materials) :					
针管 (Barrel)	Brass, gold-plated				
弹簧 (Spring)	Stainless Steel Wire				
针套 (Receptacle)	Brass, gold-plated				
针杆 (Plunger)	<table border="1"> <tr> <td>国产料 (Domestic Materials)</td><td>Ph, Nickel-plated</td></tr> <tr> <td>进口料 (Imported materials)</td><td>BeCu or SK4, Rh or gold-plated</td></tr> </table>	国产料 (Domestic Materials)	Ph, Nickel-plated	进口料 (Imported materials)	BeCu or SK4, Rh or gold-plated
国产料 (Domestic Materials)	Ph, Nickel-plated				
进口料 (Imported materials)	BeCu or SK4, Rh or gold-plated				

SP189 IN-CIRCUIT/FUNCTIONAL TEST(ICT/FCT)



SP189-B	SP189-D
SP189-H	SP189-Q
成品型号 (Product Type) :	
SP189-A-6N 系列 规格 头型 弹力 订购举例: SP189-A-6N	

技术要求 (Technical Specifications) :					
钻孔尺寸 (Hole Size)	3.6mm				
额定电流 (Current Rating)	5A				
接触电阻 (Contact Resistance)	50 milliohm				
行程弹力 (Spring Force at Stroke)	6N(600gf) (括号内为定制值)				
材质 (Materials) :					
针管 (Barrel)	Brass, gold-plated				
弹簧 (Spring)	Stainless Steel Wire				
针套 (Receptacle)	Brass, gold-plated				
针杆 (Plunger)	<table border="1"> <tr> <td>国产料 (Domestic Materials)</td><td>Ph, Nickel-plated</td></tr> <tr> <td>进口料 (Imported materials)</td><td>BeCu or SK4, Rh or gold-plated</td></tr> </table>	国产料 (Domestic Materials)	Ph, Nickel-plated	进口料 (Imported materials)	BeCu or SK4, Rh or gold-plated
国产料 (Domestic Materials)	Ph, Nickel-plated				
进口料 (Imported materials)	BeCu or SK4, Rh or gold-plated				

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线束测试探针

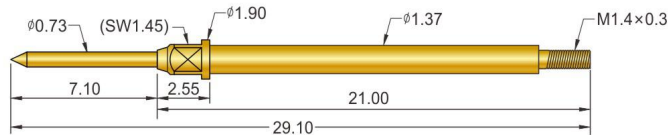
CABLE HARNESS TEST PROBES

线束测试探针主要应用于线束测试，如汽车、电动车、摩托车等生产领域的必须测试用品，属于线束测试过程的损耗测试元器件之一。



CH137-X-2.5G(B)

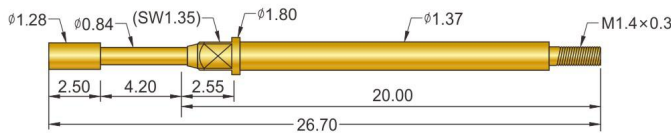
CABLE HARNESS TEST PROBES



CH137-A	CH137-B	技术要求 (Technical Specifications) :	
		额定电流 (Current Rating)	3A
		额定电阻 (Rated Resistance)	100 milliohm max
		满行程 (Full Stroke)	7.1mm
		额定行程 (Rated Stroke)	3.0mm
		额定弹力 (Spring Force)	70±20gf@load 3.0mm
		材质 (Materials) :	
		针杆 (Plunger)	BeCu ,gold-plated
		针管 (Barrel)	Br,gold-plated
		弹簧 (Spring)	SWP ,gold-plated
		成品型号 (Product Type) :	
		CH137-B-2.5G(B) 系列 规格 头型 弹力 电镀特性 针杆材质 订购举例:CH137-B-2.5G(B)	

CH137(20)-X-3.5G(B)

CABLE HARNESS TEST PROBES

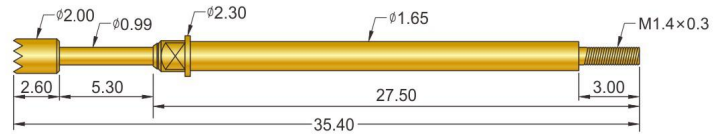


CH137(20)-A	CH137(20)-B	技术要求 (Technical Specifications) :	
		额定电流 (Current Rating)	3A
		额定电阻 (Rated Resistance)	100 milliohm max
		满行程 (Full Stroke)	4.2mm
		额定行程 (Rated Stroke)	2.8mm
		额定弹力 (Spring Force)	100±30gf@load 2.8mm
		材质 (Materials) :	
		针杆 (Plunger)	BeCu ,gold-plated
		针管 (Barrel)	Br,gold-plated
		弹簧 (Spring)	SWP ,gold-plated
		成品型号 (Product Type) :	
		CH137(20)-F-3.5G(B) 系列 规格 头型 弹力 电镀特性 针杆材质 订购举例:CH137(20)-F-3.5G(B)	

注：规格有变动不另行通知，以最终订单为准。（尺寸单位为mm）

CH165-X-4G(B)

CABLE HARNESS TEST PROBES



技术要求 (Technical Specifications) :

额定电流 (Current Rating)	3A
额定电阻 (Rated Resistance)	100 milliohm max
满行程 (Full Stroke)	5.3mm
额定行程 (Rated Stroke)	3.5mm
额定弹力 (Spring Force)	113±35gf@load 3.5mm

材质 (Materials) :

针杆 (Plunger)	BeCu, gold-plated
针管 (Barrel)	Br, gold-plated
弹簧 (Spring)	SWP, gold-plated

成品型号 (Product Type) :

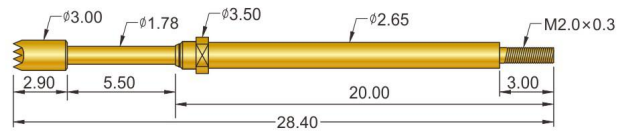
CH165-H-4G(B)
系列 规格 头型 弹力 电镀特性 针杆材质

订购举例: CH165-H-4G(B)

CH165-A	CH165-B
CH165-D	CH165-E2
CH165-F	CH165-H
CH165-J	CH165-Q1
CH165-Q2	CH165-T2

CH265-X-4G(B)

CABLE HARNESS TEST PROBES



技术要求 (Technical Specifications) :

额定电流 (Current Rating)	3A
额定电阻 (Rated Resistance)	100 milliohm max
满行程 (Full Stroke)	5.5mm
额定行程 (Rated Stroke)	3.5mm
额定弹力 (Spring Force)	113±35gf@load 3.5mm

材质 (Materials) :

针杆 (Plunger)	BeCu, gold-plated
针管 (Barrel)	Br, gold-plated
弹簧 (Spring)	SWP, gold-plated

成品型号 (Product Type) :

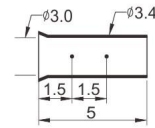
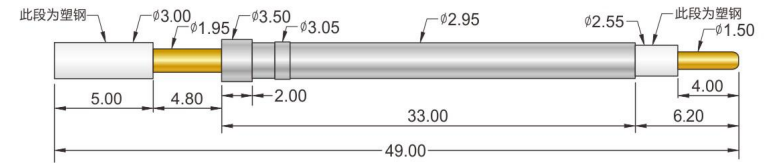
CH265-H-4G(B)
系列 规格 头型 弹力 电镀特性 针杆材质

订购举例: CH265-H-4G(B)

CH265-A	CH265-B
CH265-D	CH265-E2
CH265-F	CH265-H
CH265-J	CH265-Q1
CH265-Q2	CH265-T2

开关针 (常开)

CABLE HARNESS TEST PROBES

300×500焊接片, 插拔力500g
(ZJPJ-HJP300-500)

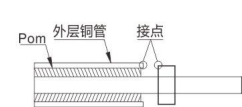
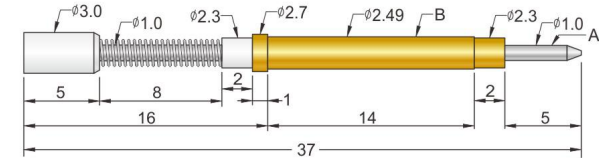
型号 (Type)	最大行程 (Maximum Stroke)	开关距离 (Switching Distance)	常态 (Normality Condition)	针头电镀 (Plunger Plating)	下压1.5mm (Press Down 1.5mm)
KG-300K	4mm	2mm	Open Circuit	Au	150g
KG-300B	4mm	0.7mm	Closed Circuit	Ni	180g

技术要求 (Technical Specifications) :

最大电流 (Maximum Current)	3A
最小中心距 (Minimum Center)	3-4mm
钻孔尺寸 (Hole Size)	3.0mm

开关针KG-250G (常闭)

CABLE HARNESS TEST PROBES

由于A与B有绝缘体分隔
建议客户:
A处采用1.0端子线连接
B处采用250×500焊接片250×500焊接片, 插拔力500g
(ZJPJ-HJP250-500)

技术要求 (Technical Specifications) :

最大电流 (Maximum Current)	3A
最小中心距 (Minimum Center)	3.5mm
钻孔尺寸 (Hole Size)	2.5mm

材质 (Materials) :

针杆 (Plunger)		SK4,Nickel-plated
外管 (Barrel)	内层 (Inner)	Pom
	外层 (Outer)	Brass,gold-plated
后部接点 (Rear Contact)		Brass,gold-plated
弹簧 (Spring)		Stainless Steel Wire

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电流针

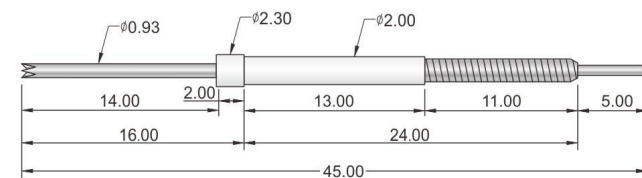
HIGH-CURRENT TEST PROBES

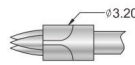
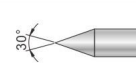
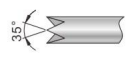
电流针主要应用于高新新能源方面的设备配套应用，由于它产品独特的电流电压特性在充电设备，稳压设备应用广泛，如行业中制造锂电池，汽车电池，手机电池所需的充电设备则大量应用此类产品。充当设备的易损电器元器件。



PH-101

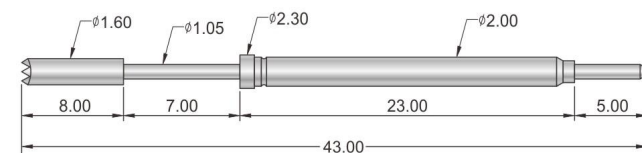
HIGH-CURRENT TEST PROBES

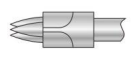
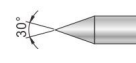
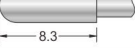


PH-101M3(L)	PH-101B(L)	技术要求 (Technical Specifications) :	
		钻孔尺寸 (Hole Size)	2.0mm
		行程弹力 (Spring Force at Stroke)	200g
PH-101Q(L)		材质 (Materials) :	
		主轴 (Plunger)	High-carbon Steel
		外管 (Barrel)	Steel Tube
		弹簧 (Spring)	Stainless Steel Wire
PH-101D(L)	PH-101J(L)	成品型号 (Product Type) :	
		PH-101-B(L)-200g 系列 规格 头型 弹力	
		订购举例: PH-101-B(L)-200g	

PH-10

HIGH-CURRENT TEST PROBES

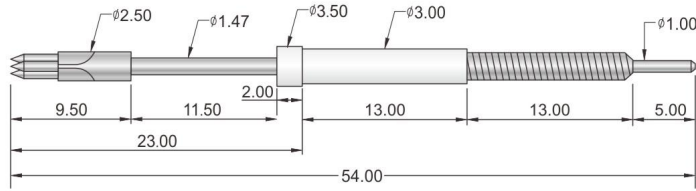


PH-10M3(L)	PH-10B(L)	技术要求 (Technical Specifications) :	
		钻孔尺寸 (Hole Size)	2.0mm
		行程弹力 (Spring Force at Stroke)	200g
PH-10Q(L)	PH-10H(L)	材质 (Materials) :	
		主轴 (Plunger)	High-carbon Steel
		外管 (Barrel)	Steel Tube
		弹簧 (Spring)	Stainless Steel Wire
PH-10D(L)	PH-10J(L)	成品型号 (Product Type) :	
		PH-10-B(L)-200g 系列 规格 头型 弹力	
		订购举例: PH-10-B(L)-200g	

注：规格有变动不另行通知。以最终订单为准。(尺寸单位为mm)

PH-15

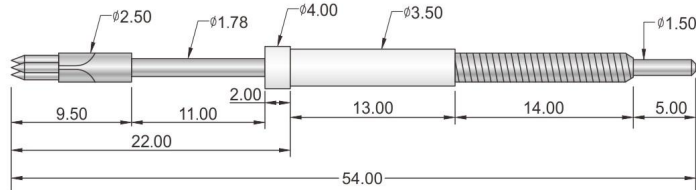
HIGH-CURRENT TEST PROBES



技术要求 (Technical Specifications) :		PH-15M7(L)	PH-15B(L)
钻孔尺寸 (Hole Size)	3.0mm		
行程弹力 (Spring Force at Stroke)	270g(1000g)	(括号内为定制品)	
材质 (Materials) :		PH-15Q(L)	PH-15H(L)
主轴 (Plunger)	High-carbon Steel		
外管 (Barrel)	POM		
弹簧 (Spring)	Stainless Steel Wire		
成品型号 (Product Type) :		PH-15G(L)	
 系列 规格 头型 弹力 订购举例:PH-15-B(L)-270g		 针头: 塑钢 (Plunger:POM)	

PH-18

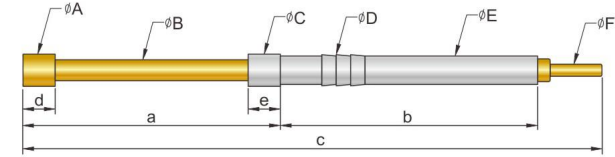
HIGH-CURRENT TEST PROBES



技术要求 (Technical Specifications) :		PH-18M7(L)	PH-18B(L)
钻孔尺寸 (Hole Size)	3.5mm		
行程弹力 (Spring Force at Stroke)	200g(300g)(600g)	(括号内为定制品)	
材质 (Materials) :		PH-18Q(L)	PH-18H(L)
主轴 (Plunger)	High-carbon Steel		
外管 (Barrel)	POM		
弹簧 (Spring)	Stainless Steel Wire		
成品型号 (Product Type) :		PH-18G(L)	
 系列 规格 头型 弹力 订购举例:PH-18-B(L)-200g		 针头: 塑钢 (Plunger:POM)	

PH-1,2,3,4,5,6

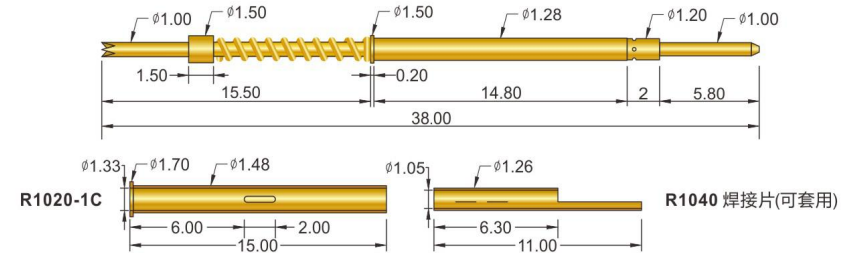
HIGH-CURRENT TEST PROBES



A		B(订制品)		规格(Size)											
90°		30°		型号(Type)	A	B	C	D	E	F	a	b	c	d	e
				PH-1	1.20	0.72	1.20	1.00	0.97	0.47	7	9.50	20.5	1.0	1.0
				PH-2	1.50	0.95	1.50	1.34	1.27	0.56	10	13.0	27.0	2.0	2.0
				PH-3	2.00	1.29	2.00	1.83	1.77	0.75	16	16.0	36.0	2.0	2.0
				PH-4	2.50	1.80	2.50	2.33	2.27	1.25	16	18.0	38.0	3.0	3.0
				PH-5	3.50	2.50	3.50	3.23	3.17	1.62	16	18.0	38.0	3.0	3.0
				PH-6	5.00	3.40	5.00	4.55	4.55	2.45	16	19.5	40.0	3.0	3.0
H		J													
															
Q		G(订制品)		规格(Size)											
35°				型号(Type)	行程	建议钻孔尺寸	最小间距	全行程弹力	针轴材质						
				PH-1	3.5mm	1.00mm	1.70mm	(70g)100g	Ph/SK4						
				PH-2	6.0mm	1.30/1.35mm	2.00mm	150g(200)(300)	Ph/SK4						
				PH-3	8.3mm	1.80/1.85mm	2.50mm	150g	Ph/SK4						
				PH-4	10.5mm	2.30/2.35mm	3.00mm	150g	Ph/SK4						
				PH-5	10.0mm	3.20/3.25mm	4.20mm	(60)200g(400)	Brass						
				PH-6	10.5mm	4.65/4.70mm	5.50mm	250g	Brass						

PH-1020

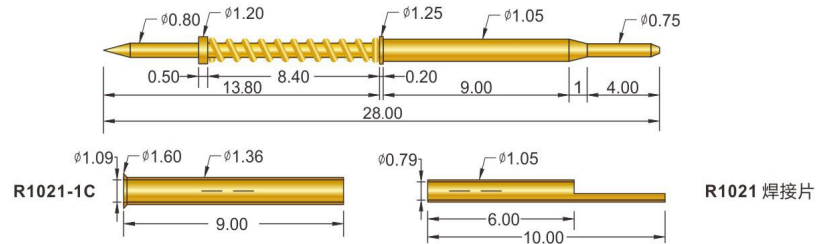
HIGH-CURRENT TEST PROBES



PH-1020-B		PH-1020-F	材质 (Materials) :	
			针杆 (Plunger)	BeCu or SK4, gold-plated
			针管 (Barrel)	Brass,gold-plated
			弹簧 (Spring)	SUS
			针套 (Receptacle)	Brass,gold-plated
			焊接片 (Soldering Pad)	Brass,gold-plated
			满行程弹力 (Spring Force at Full Stroke)	150g(220g)(350g)
			钻孔尺寸 (Hole Size)	1.33mm(or 1.50mm)
			(括号内为定制品)	
PH-1020-H		PH-1020-Q	成品型号 (Product Type) :	
			 系列 规格 头型 头型外径 弹力 针头材质 镀层材质 订购举例:PH-1020-Q100-150g-S(G)	

PH-1021

HIGH-CURRENT TEST PROBES

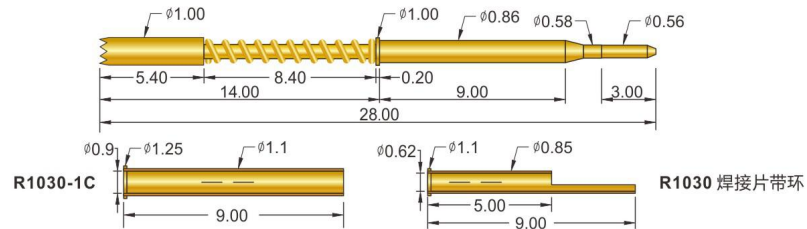


材质 (Materials):	
针杆 (Plunger)	BeCu or SK4, gold-plated
针管 (Barrel)	Brass, gold-plated
弹簧 (Spring)	SUS
针套 (Receptacle)	Brass, gold-plated
焊接片 (Soldering Pad)	Brass, gold-plated
满行程弹力 (Spring Force at Full Stroke)	(60g)150g
钻孔尺寸 (Hole Size)	1.05mm (or 1.35mm) (括号内为定制品, 另有PH1021S标准)
成品型号 (Product Type):	
PH-1021-B080-150g-S(G)	
系列 规格 头型 头型外径 弹力 针头材质 镀层材质	订购举例: PH-1021-B080-150g-S(G)

PH-1021-B	PH-1021-LM
PH-1021-D	PH-1021-M3
PH-1021-H	PH-1021-Q

PH-1030

HIGH-CURRENT TEST PROBES

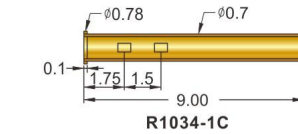
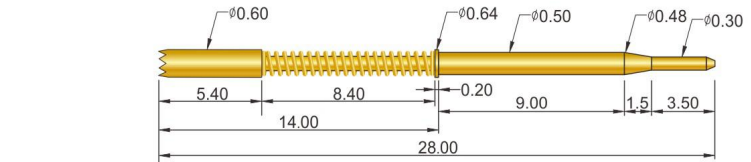


材质 (Materials):	
针杆 (Plunger)	BeCu or SK4, gold-plated
针管 (Barrel)	Brass, gold-plated
弹簧 (Spring)	SUS
针套 (Receptacle)	Brass, gold-plated
焊接片 (Soldering Pad)	Brass, gold-plated
满行程弹力 (Spring Force at Full Stroke)	100g(150g) (括号内为定制品)
钻孔尺寸 (Hole Size)	0.85mm (or 1.10mm) (另有PH1035/PH-1033/R1033标准)
成品型号 (Product Type):	
PH-1030-H100-100g-S(G)	
系列 规格 头型 头型外径 弹力 针头材质 镀层材质	订购举例: PH-1030-H100-100g-S(G)

PH-1030-B	PH-1030-F
PH-1030-G	PH-1030-H
PH-1030-J	PH-1030-Q

PH-1034

HIGH-CURRENT TEST PROBES

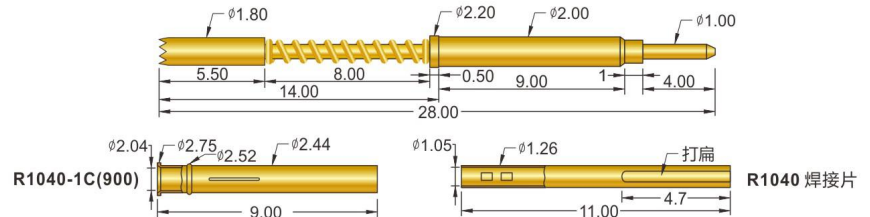


PH-1034-B	PH-1034-H
PH-1034-Q	PH-1034-T

材质 (Materials):	
针杆 (Plunger)	BeCu or SK4, gold-plated
针管 (Barrel)	Brass, gold-plated
弹簧 (Spring)	SUS
针套 (Receptacle)	Brass, gold-plated
焊接片 (Soldering Pad)	Brass, gold-plated
满行程弹力 (Spring Force at Full Stroke)	120g(240g)
钻孔尺寸 (Hole Size)	0.5mm (or 0.7mm) (括号内为定制品, 另有PH1034S标准)
成品型号 (Product Type):	
PH-1034-H060-120g-S(G)	
系列 规格 头型 头型外径 弹力 针头材质 镀层材质	订购举例: PH-1034-H060-120g-S(G)

PH-1040

HIGH-CURRENT TEST PROBES

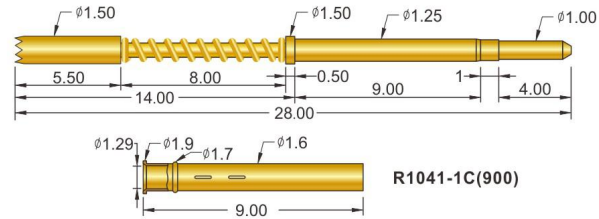


PH-1040-B	PH-1040-D
PH-1040-F	PH-1040-G
PH-1040-H	PH-1040-LM
PH-1040-Q	PH-1040-T

材质 (Materials):	
针杆 (Plunger)	BeCu or SK4, gold-plated
针管 (Barrel)	Brass, gold-plated
弹簧 (Spring)	SUS
针套 (Receptacle)	Brass, gold-plated
焊接片 (Soldering Pad)	Brass, gold-plated
满行程弹力 (Spring Force at Full Stroke)	120g, 240g, 280g
钻孔尺寸 (Hole Size)	2.0mm (or 2.5mm) (括号内为定制品)
成品型号 (Product Type):	
PH-1040-H180-120g-S(G)	
系列 规格 头型 头型外径 弹力 针头材质 镀层材质	订购举例: PH-1040-H180-120g-S(G)

PH-1041

HIGH-CURRENT TEST PROBES



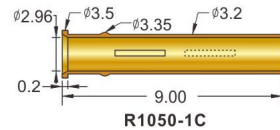
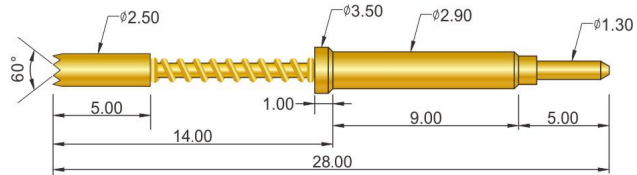
R1041-1C(900)

材质 (Materials):	
针杆 (Plunger)	BeCu or SK4, gold-plated
针管 (Barrel)	Brass, gold-plated
弹簧 (Spring)	SUS
针套 (Receptacle)	Brass, gold-plated
焊接片 (Soldering Pad)	Brass, gold-plated
满行程弹力 (Spring Force at Full Stroke)	120g, 240g, 280g
钻孔尺寸 (Hole Size)	1.25mm (or 1.65mm) (括号内为定制品)
成品型号 (Product Type):	
PH-1041-H150-120g-S(G) 系列 规格 头型 头型外径 弹力 针头材质 镀层材质 订购举例: PH-1041-H150-120g-S(G)	

PH-1041-B	PH-1041-D
PH-1041-F	PH-1041-G
PH-1041-H	PH-1041-LM
PH-1041-Q	PH-1041-T

PH-1050

HIGH-CURRENT TEST PROBES



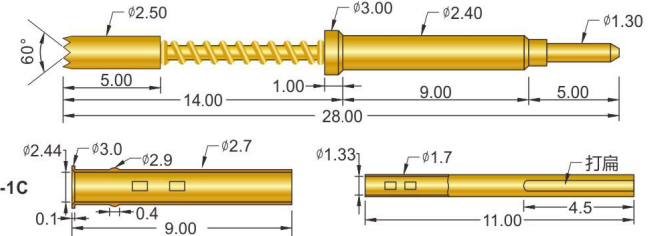
R1050-1C

材质 (Materials):	
针杆 (Plunger)	BeCu or SK4, gold-plated
针管 (Barrel)	Brass, gold-plated
弹簧 (Spring)	SUS
针套 (Receptacle)	Brass, gold-plated
焊接片 (Soldering Pad)	Brass, gold-plated
满行程弹力 (Spring Force at Full Stroke)	(200g) 250g (350g) (400g)
钻孔尺寸 (Hole Size)	2.9mm (or 3.3mm) (括号内为定制品)
成品型号 (Product Type):	
PH-1050-H250-250g-S(G) 系列 规格 头型 头型外径 弹力 针头材质 镀层材质 订购举例: PH-1050-H250-250g-S(G)	

PH-1050-A	PH-1050-G
PH-1050-H	PH-1050-LM

PH-1051

HIGH-CURRENT TEST PROBES



R1051-1C

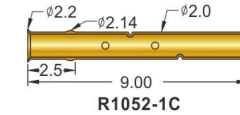
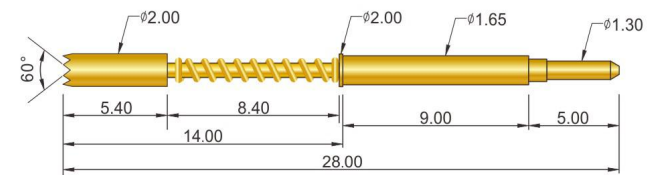
R1051 焊接片

PH-1051-A	PH-1051-G
PH-1051-H	PH-1051-LM
PH-1051-B	PH-1051-T

材质 (Materials):	
针杆 (Plunger)	BeCu or SK4, gold-plated
针管 (Barrel)	Brass, gold-plated
弹簧 (Spring)	SUS
针套 (Receptacle)	Brass, gold-plated
焊接片 (Soldering Pad)	Brass, gold-plated
满行程弹力 (Spring Force at Full Stroke)	(200g) 250g (350g) (400g)
钻孔尺寸 (Hole Size)	2.4mm (or 2.8mm) (括号内为定制品)
成品型号 (Product Type):	
PH-1051-H250-250g-S(G) 系列 规格 头型 头型外径 弹力 针头材质 镀层材质 订购举例: PH-1051-H250-250g-S(G)	

PH-1052

HIGH-CURRENT TEST PROBES



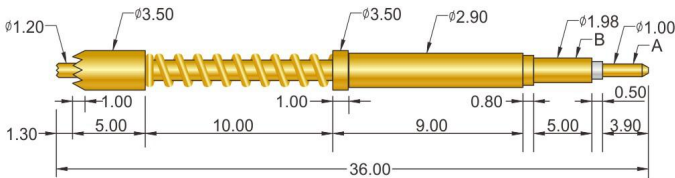
R1052-1C

PH-1052-A	PH-1052-G
PH-1052-H	PH-1052-LM

材质 (Materials):	
针杆 (Plunger)	BeCu or SK4, gold-plated
针管 (Barrel)	Brass, gold-plated
弹簧 (Spring)	SUS
针套 (Receptacle)	Brass, gold-plated
焊接片 (Soldering Pad)	Brass, gold-plated
满行程弹力 (Spring Force at Full Stroke)	(200g) 250g (350g) (400g)
钻孔尺寸 (Hole Size)	1.65mm (or 2.05mm) (括号内为定制品)
成品型号 (Product Type):	
PH-1052-H200-250g-S(G) 系列 规格 头型 头型外径 弹力 针头材质 镀层材质 订购举例: PH-1052-H200-250g-S(G)	

电流电压针 290X3600

HIGH-CURRENT TEST PROBES



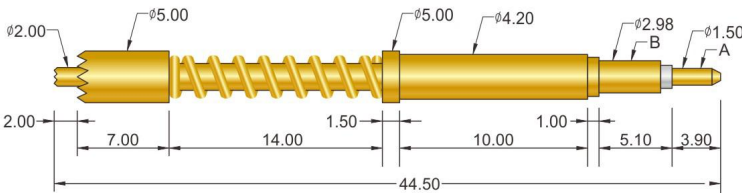
材质 (Materials) :	
针杆 (Plunger)	BeCu,gold-plated
针管 (Barrel)	Brass,gold-plated
套管 (Receptacle)	Brass,gold-plated
弹簧 (Spring)	SUS
电气性能 (Electrical Properties) :	
额定电流 (Current Rating)	15A
电阻 (Rated Resistance)	<30 milliohm

机械性能 (Mechanical Properties) :	
弹力 (Spring Force)	起始76g
	2/3行程4mm 560g
	全行程5.5mm 750g

由于A与B有绝缘体分隔
建议客户：
A处采用 $\phi 1.0$ 端子线连接
B处采用200 $\times$ 500焊接片
(ZJPJ-HJP200-500)

电流电压针 420X4450

HIGH-CURRENT TEST PROBES



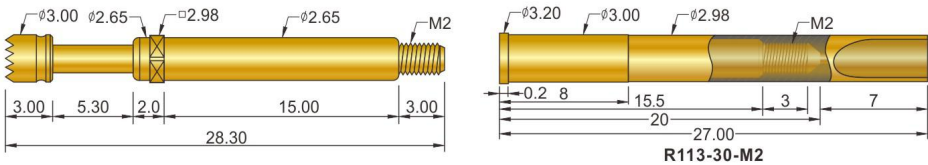
材质 (Materials) :	
针杆 (Plunger)	BeCu,gold-plated
针管 (Barrel)	Brass,gold-plated
套管 (Receptacle)	Brass,gold-plated
弹簧 (Spring)	SUS
电气性能 (Electrical Properties) :	
额定电流 (Current Rating)	15A
电阻 (Rated Resistance)	<30 milliohm

机械性能 (Mechanical Properties) :	
弹力 (Spring Force)	起始39g
	2/3行程6.3mm 380g
	全行程8.5mm 480g

由于A与B有绝缘体分隔
建议客户：
A处采用 $\phi 1.5$ 端子线连接
B处采用300 $\times$ 500焊接片
(ZJPJ-HJP300-500)

大电流针 JTS120

HIGH-CURRENT TEST PROBES



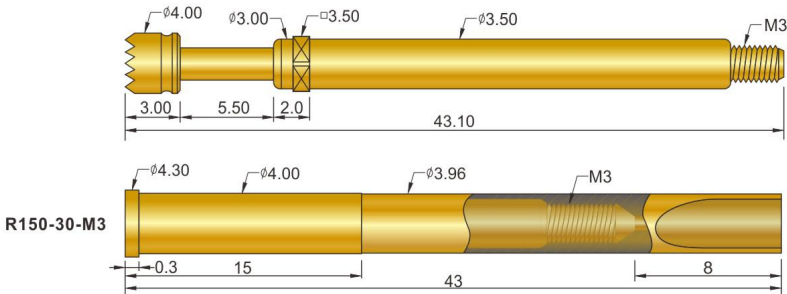
A	B
H	LM

技术要求 (Technical Specifications) :	
最大电流 (Maximum Current)	24A
接触电阻 (Contact Resistance)	<10 milliohm
满行程 (Full Stroke)	5.3mm
工作行程 (Work. Stroke)	4.0mm
工作弹力 (Spring Force at Work)	230g(300g)

材质 (Materials) :	
针杆 (Plunger)	BeCu ,gold-plated
针管 (Barrel)	Brass,gold-plated
弹簧 (Spring)	SUS
套管 (Receptacle)	Brass,gold-plated

大电流针 JTS150

HIGH-CURRENT TEST PROBES



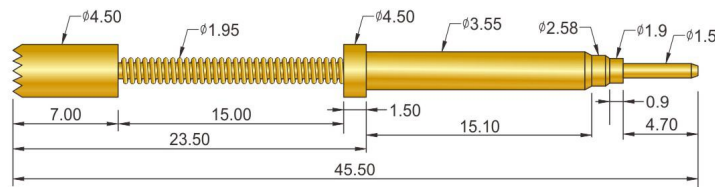
A	B
H	LM

技术要求 (Technical Specifications) :	
最大电流 (Maximum Current)	50A
接触电阻 (Contact Resistance)	<8 milliohm
满行程 (Full Stroke)	5.5mm
工作行程 (Work. Stroke)	4.4mm
工作弹力 (Spring Force at Work)	300g

材质 (Materials) :	
针杆 (Plunger)	BeCu ,gold-plated
针管 (Barrel)	Brass,gold-plated
弹簧 (Spring)	SUS
套管 (Receptacle)	Brass,gold-plated

大电流针 JTS355

HIGH-CURRENT TEST PROBES



技术要求 (Technical Specifications) :

最大电流 (Maximum Current)	12A
接触电阻 (Contact Resistance)	<15 milliohm
行程 (Stroke)	7.7mm
工作弹力 (Spring Force at Work)	(200g)480g

(括号内为定制品)

材质 (Materials) :

针头 (Plunger)	Brass,gold-plated
针杆 (Plunger)	SK4,gold-plated
针管 (Barrel)	Brass,gold-plated
弹簧 (Spring)	SUS

G

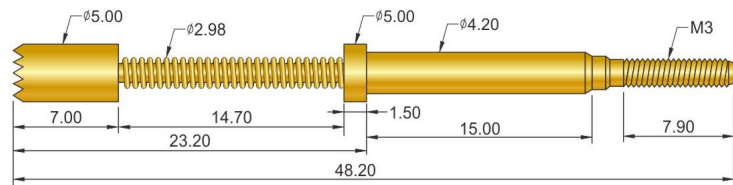


A



大电流针 JTS420

HIGH-CURRENT TEST PROBES



技术要求 (Technical Specifications) :

最大电流 (Maximum Current)	15A
接触电阻 (Contact Resistance)	<12 milliohm
行程 (Stroke)	7.7mm
工作弹力 (Spring Force at Work)	650g(1000g)(1800g)

(括号内为定制品)

材质 (Materials) :

针头 (Plunger)	Brass,gold-plated
针杆 (Plunger)	SK4,gold-plated
针管 (Barrel)	Brass,gold-plated
弹簧 (Spring)	SUS

G

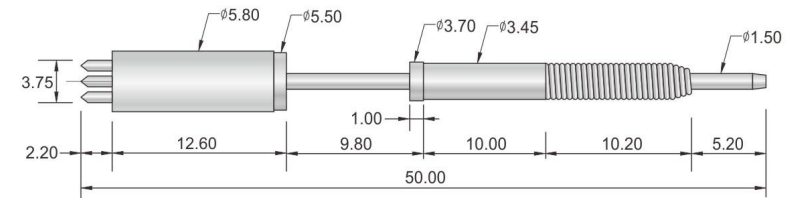


A



电容极性针 PH18 DR7 SHSN5325

HIGH-CURRENT TEST PROBES



技术要求 (Technical Specifications) :

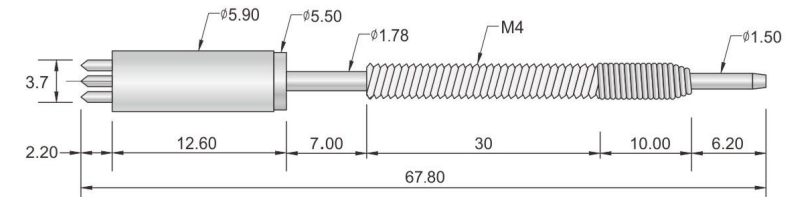
顶端7针弹力 (Spring force of top 7 pin)	160g(1.7mm)
外弹簧弹力 (Outer spring force)	530g
钻孔尺寸 (Hole Size)	3.45mm

材质 (Materials) :

小针尖 (Small Tip)	SK4,Nickel-plated
针头套 (Tip Receptacle)	POM
内弹簧 (Inner spring)	Stainless Steel Wire
针杆 (Plunger)	SK4,Nickel-plated
外管 (Barrel)	Brass,Nickel-plated
外弹簧 (Outer Spring)	SUS

电容极性针 M4 X 6780

HIGH-CURRENT TEST PROBES



技术要求 (Technical Specifications) :

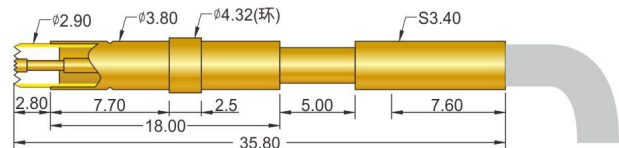
顶端7针弹力 (Spring force of top 7 pin)	160g(1.7mm时)
外弹簧弹力 (Outer spring force)	350g
钻孔尺寸 (Hole Size)	4.0mm

材质 (Materials) :

小针尖 (Small Tip)	SK4,Nickel-plated
针头套 (Tip Receptacle)	POM
内弹簧 (Inner spring)	Stainless Steel Wire
针杆 (Plunger)	SK4,Nickel-plated
外管 (Barrel)	Brass,Nickel-plated
外弹簧 (Outer Spring)	SUS

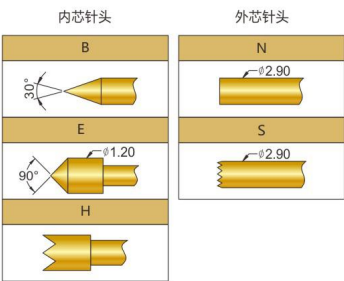
高频针10445

HIGH-CURRENT TEST PROBES



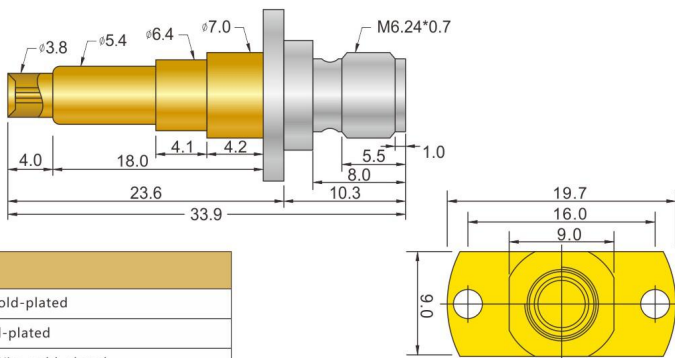
材质 (Materials) :	
外管 (Barrel)	Brass,gold-plated
弹簧 (Spring)	Stainless Steel Wire
绝缘体 (Insulation)	Teflon
内外芯针头 (Plunger)	BeCu,gold-plated
行程 (Stroke)	1.8mm
额定电流 (Current Rating)	3A
阻抗 (Impedance)	<50 milliohm
配线 (Wire)	Rg316 or RG174U
频宽 (Bandwidth)	2.4GHZ
接头 (Connector)	SMA公头

成品型号 (Product Type) :	
10445-380N(Y)-S(N)-350-H	10445-250-350 (线长)
系列 有环Y 无环N	外芯 针头 线长 头型



高频针 JT-CT

HIGH-CURRENT TEST PROBES



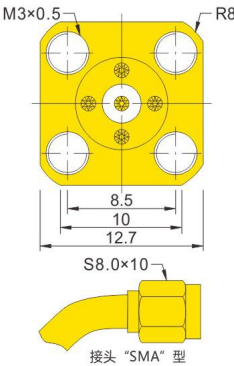
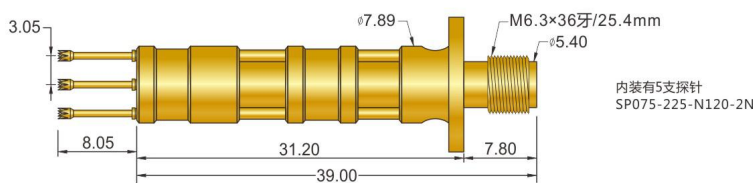
内芯针 :	
针杆 (Plunger)	BeCu,gold-plated
针管 (Barrel)	Ph,gold-plated
小弹簧 (Spring)	Music Wire,gold-plated

材质 (Materials) :	
针杆 (Plunger)	Brass,gold-plated
针管 (Barrel)	Brass,gold-plated
大弹簧 (Spring)	Music Wire,gold-plated
绝缘体 (Insulation)	Teflon
底座 (Base)	Brass,Nickel-plated

机械电气性能 (Mechanical and electrical properties) :	
行程 (Stroke)	3.8mm
弹力 (Spring Force)	300g
最大电流 (Maximum Current)	3A
电阻 (Resistance)	50 milliohm
频宽 (Bandwidth)	2.4GHZ

高频针 JTK-50L-Q

HIGH-CURRENT TEST PROBES

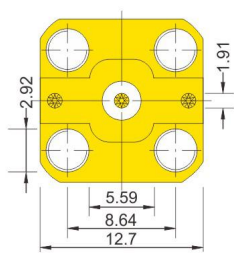
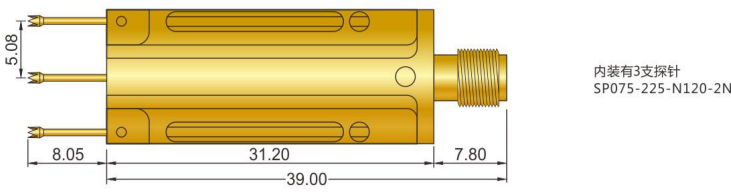


材质 (Materials) :		技术要求 (Technical Specifications) :	
针座 (Base)	Brass,gold-plated	工作行程 (Work. Stroke)	4.30mm
针座内芯 (Inner Core of Base)	Teflon	最大行程 (Maximum Stroke)	6.35mm
针杆 (Plunger)	BeCu or SK4,gold-plated	2/3行程弹力 (Spring Force at Work.Stroke)	2.0N(200g)
针管 (Barrel)	Ph,gold-plated	可选弹力 (Alternative)	2.8N(280g)
弹簧 (Spring)	Music Wire		

电气性能 (Electrical Properties) :	
最大电流 (Maximum Current)	3-4A
接触电阻 (Contact Resistance)	<50 milliohm
最小回路损耗 (Minimum Loop Loss)	1GHZ@-23dB,1GHZ@-26dB
最大输入损耗 (Maximum Input Loss)	1GHZ@-0.12dB,1GHZ@-0.06dB
最大VSWR (Maximum VSWR)	1.15:1 , 1.11 : 1

高频针 JTK-50L

HIGH-CURRENT TEST PROBES

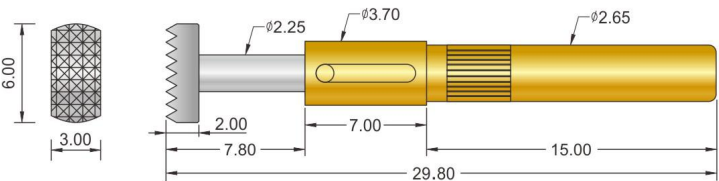


材质 (Materials) :		技术要求 (Technical Specifications) :	
针座 (Base)	Brass,gold-plated	工作行程 (Work. Stroke)	4.30mm
针座内芯 (Inner Core of Base)	Teflon	最大行程 (Maximum Stroke)	6.35mm
针杆 (Plunger)	BeCu or SK4,gold-plated	2/3行程弹力 (Spring Force at Work.Stroke)	2.0N(200g)
针管 (Barrel)	Ph,gold-plated	可选弹力 (Alternative)	2.8N(280g)
弹簧 (Spring)	Music Wire		

电气性能 (Electrical Properties) :	
最大电流 (Maximum Current)	3-4A
接触电阻 (Contact Resistance)	<50 milliohm
最小回路损耗 (Minimum Loop Loss)	1GHZ@-23dB,1GHZ@-26dB
最大输入损耗 (Maximum Input Loss)	1GHZ@-0.12dB,1GHZ@-0.06dB
最大VSWR (Maximum VSWR)	1.15:1 , 1.11 : 1

定向探针-265X2980-H

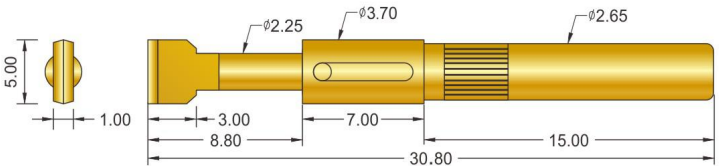
HIGH-CURRENT TEST PROBES



技术要求 (Technical Specifications) :		材质 (Materials) :	
工作行程 (Work. Stroke)	3.00mm	针管 (Barrel)	Brass,gold-plated
最大行程 (Maximum Stroke)	5.00mm	针头 (Plunger)	SK4/gold-plated
2/3行程弹力 (Spring Force at Work.Stroke)	3N(300g)	弹簧 (Spring)	SUS
电气性能 (Electrical Properties) :			
额定电流 (Current Rating)	8-10A		
额定电阻 (Rated Resistance)	50 milliohm		

定向探针-265X3080-T

HIGH-CURRENT TEST PROBES



技术要求 (Technical Specifications) :		材质 (Materials) :	
工作行程 (Work. Stroke)	3.00mm	针管 (Barrel)	Brass,gold-plated
最大行程 (Maximum Stroke)	5.00mm	针头 (Plunger)	SK4/gold-plated
2/3行程弹力 (Spring Force at Work.Stroke)	3N(300g)	弹簧 (Spring)	SUS
电气性能 (Electrical Properties) :			
额定电流 (Current Rating)	8-10A		
额定电阻 (Rated Resistance)	50 milliohm		

其它及五金配件

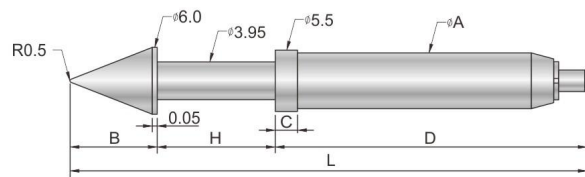
OTHER

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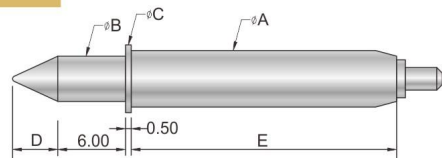


定位针



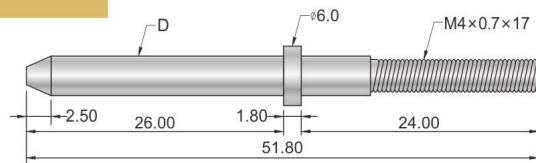
规格(Size) 型号(Type)	A	H	L	B	C	D	弹力
184-3φ4.8	4.8	11	35.5	0(圆头)	1	24.5	250g
GP-2 φ4.8	4.8	10.5	44	7.5	1	24.5	250g
GP-2 φ5.0	5.0	10.5	44	7.5	1	24.5	250g
GP-2 φ5.2	5.2	10.5	44	7.5	1	24.5	250g
GP-2(20L)	5.0	20	64	7.5	1.5	35	350g
GP-2(18L)	5.0	18	62	7.5	1.5	35	350g
GP-2(15L)	5.0	15	59	7.5	1.5	35	350g

光板定位针



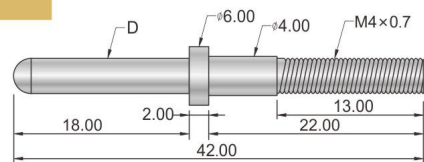
规格(Size) 型号(Type)	A	B	C	D	E	弹力
GP-1S	3.2	2.50	3.5	2.5	19.5	150g
GP-11S	4.0	3.50	4.5	3.5	23.5	200g
GP-2S	5.0	4.00	5.5	4.0	23.5	250g
GP-3S	6.0	5.00	6.5	5.0	24.5	250g

定位柱-1



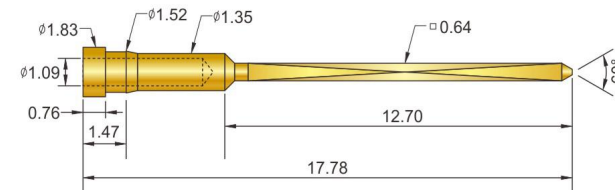
D	φ4.1	φ4.2	φ4.3	φ4.4	φ4.5	φ4.6	φ4.7	φ4.8	φ4.9	φ5.0
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定位柱-2

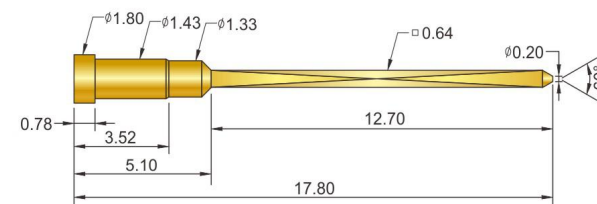


D	φ3.95	φ3.90	φ3.50	φ3.45	φ3.40	φ3.20	φ3.10	φ3.00	φ2.90	φ2.80
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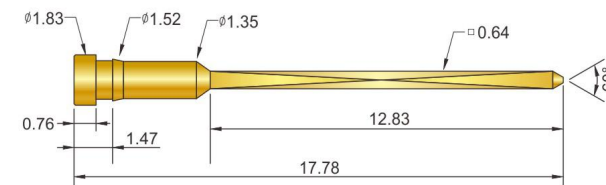
界面针-301



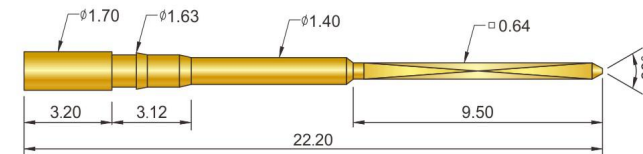
界面针-304



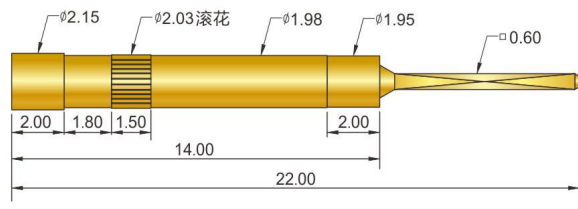
界面针-410



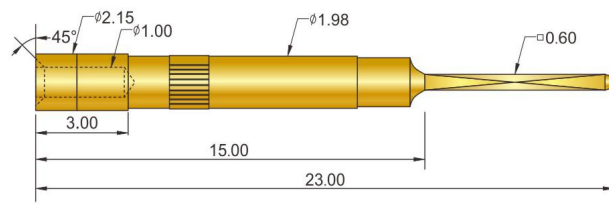
界面针-137



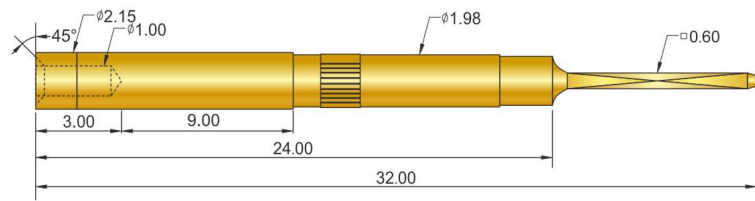
界面针KT-254



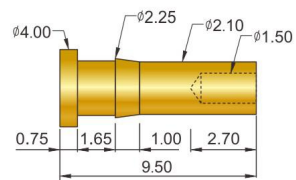
界面针KT-254-W3-E03



界面针KT-254-W3-E12



界面针KT-GR-1



头 型

使 用 方 法

	A		测试--长引脚，端子及绕线柱
	B		测试--引脚及焊点 测试--污染之PC板或穿刺污染层
	D		测试--金手指及焊垫 确保接触不留牙印
	E		测试--贯空孔，焊垫及金手指
	F		测试--焊垫及金手指 适细线测试，不沾灰尘及污染物
	H		测试--长引脚，端子， 绕线柱，焊点及焊垫
	K		测试--贯空孔，焊垫及金手指
	LM		测试--贯空孔，焊垫及金手指 不沾灰尘及污染物
	M ₃		测试--引脚及焊点 测试--污染之PC板或穿刺污染层 钢质针尖，寿命佳
	Q		测试--焊垫及焊点 不沾灰尘及污染物
	S		测试--贯空孔，焊垫及金手指 钢质针尖，寿命佳
	T		测试--贯空孔，焊垫及金手指
	V		测试--焊点，长引脚，端子及绕线 柱周围六齿中间一齿突出0.2mm， 不沾灰尘及污染物
	W		测试--引脚，端子及焊点， 六齿中间一齿，不沾灰尘及污染物

*定制品必须接受±10%