东莞市新腾电子有限公司

Dongguan Xinteng Electronics Co., Ltd.

标准弹簧针连接器

Standard Pogo pin connector

地址(Address):东莞市长安镇乌沙蔡屋第五工业区振隆路9号

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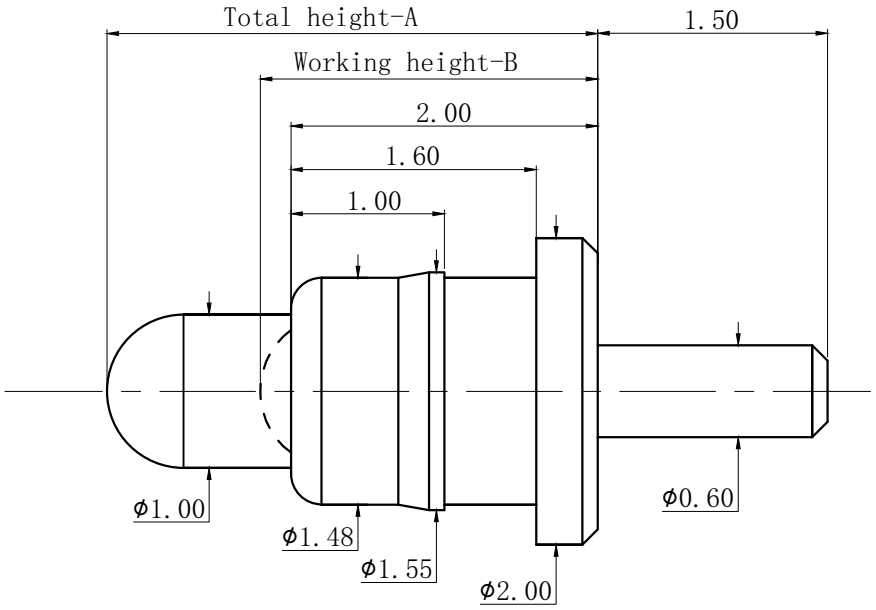
网址（ Web site）:www.xtpogopin.com

Standard Pogo pin(标准品弹簧针)



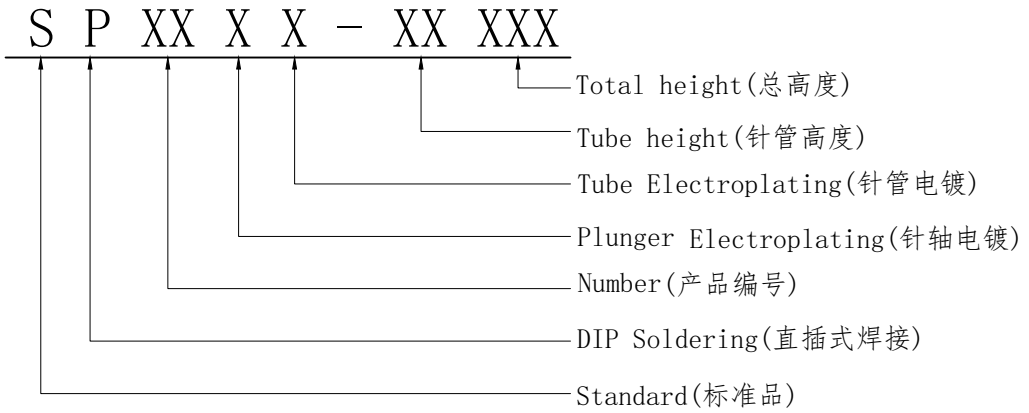
Note(注):
-To ensure the best usage, please operate it based on the working height.
(为保证最佳使用，请根据工作高度进行操作)
-Based on the engineering drawings, shall not exceed the maximum allowed compression.
(根据工程图纸，不得超过最大允许压缩)
-Material and coating conform to ROHS and REACH standards
(材料和涂层符合ROHS和REACH标准)
-@Key inspection dimension
(@为重点检验尺寸)
-Unit:mm
(单位：mm)

Materials:
-Plunger : Brass 0.125um Au over 1.5um~2.5um Ni
(柱塞：黄铜 表面镀金5u 底层镀镍60u-110u)
-Tube: Brass 0.125um Au over 1.5um~2.5um Ni
(铜管：黄铜 表面镀金5u 底层镀镍60u-110u))
-Sring: SUS 0.025um Au
(弹簧：不锈钢 表面镀金1u)

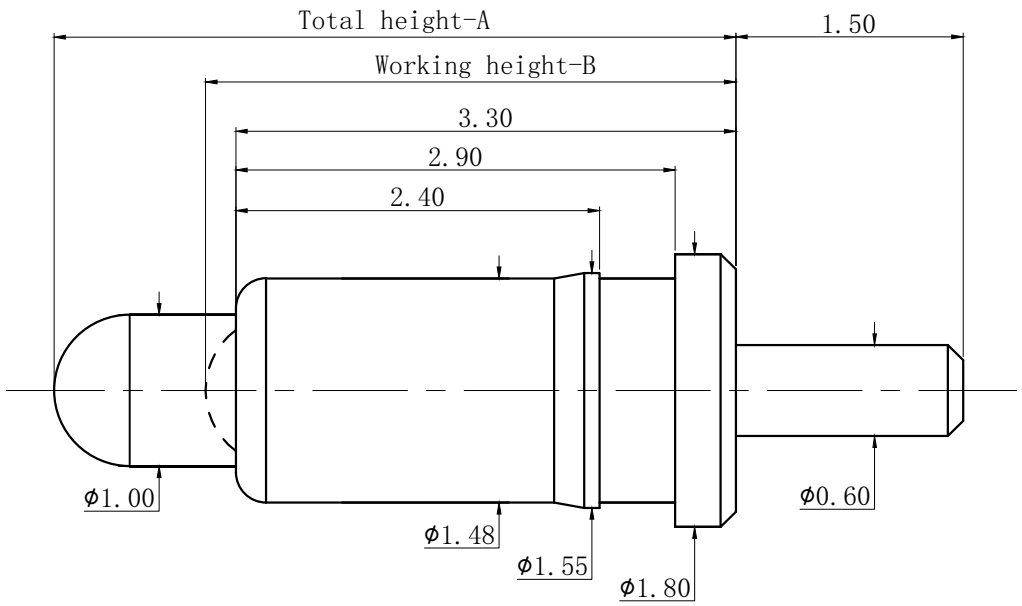
Mechanical(机械性能):
-Contact force: 30g±10g at 0.6mm working storke Full storke 0.8mm
(接触力：在0.6mm的工作压力下弹力为30g±10g 最大行程0.8mm)
-Life test: 20,000 cycles
(寿命测试：20000次循环)

Electrical(电气性能):
-Rated voltage: DC 12V ; Rated current: 1A Max.
(额定电压：DC 12V 额定电流：最大1A)
-Contact resistance of SP1111-ring pin : 50 milliohm Max.
(单针接触阻抗：最大50毫欧姆)

NO	Model (型号)	Total height-A (总高度-A)	Working height-B (工作高度-B)	Rated current (额定电流)
1	SP1111-20030	3.0	2.4	1A
2	SP1111-20035	3.5	2.9	1A



Standard Pogo pin(标准品弹簧针)



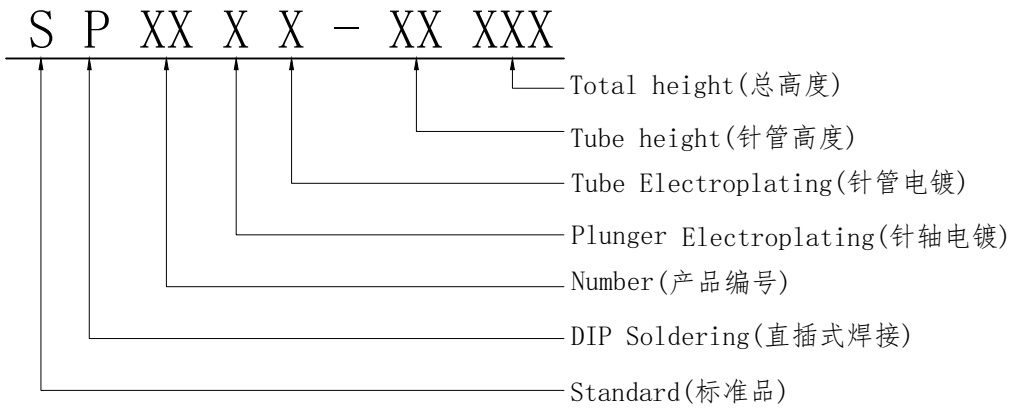
NO	Model (型号)	Total height-A (总高度-A)	Working height-B (工作高度-B)	Rated current (额定电流)
1	SP1111-33045	4.5	3.5	1A
2	SP1111-33050	5.0	4.0	1A

Note(注):
-To ensure the best usage, please operate it based on the working height.
(为保证最佳使用，请根据工作高度进行操作)
-Based on the engineering drawings, shall not exceed the maximum allowed compression.
(根据工程图纸，不得超过最大允许压缩)
-Material and coating conform to ROHS and REACH standards
(材料和涂层符合ROHS和REACH标准)
-@Key inspection dimension
(@为重点检验尺寸)
-Unit:mm
(单位：mm)

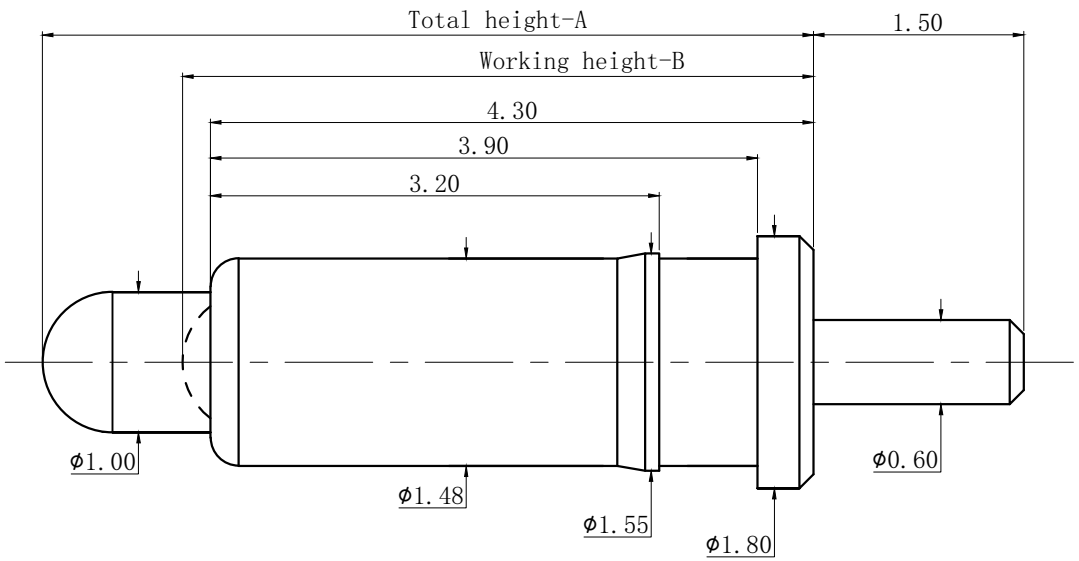
Materials:
-Plunger : Brass 0.125um Au over 1.5um~2.5um Ni
(柱塞：黄铜 表面镀金5u 底层镀镍60u-110u)
-Tube: Brass 0.125um Au over 1.5um~2.5um Ni
(铜管：黄铜 表面镀金5u 底层镀镍60u-110u))
-Sring: SUS 0.025um Au
(弹簧：不锈钢 表面镀金1u)

Mechanical(机械性能):
-Contact force: 80g±20g at 1.0mm working storke Full storke 1.2mm
(接触力：在1.0mm的工作压力下弹力为80g±20g 最大行程1.2mm)
-Life test: 20,000 cycles
(寿命测试：20000次循环)

Electrical(电气性能):
-Rated voltage: DC 12V ; Rated current: 1A Max.
(额定电压：DC 12V 额定电流：最大1A)
-Contact resistance of SP1111-ring pin : 50 milliohm Max.
(单针接触阻抗：最大50毫欧姆)



Standard Pogo pin(标准品弹簧针)



NO	Model (型号)	Total height-A (总高度-A)	Working height-B (工作高度-B)	Rated current (额定电流)
1	SP1111-43055	5.5	4.5	3A
2	SP1111-43060	6.0	5.0	3A

Note(注):
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(根据工程图纸，不得超过最大允许压缩)
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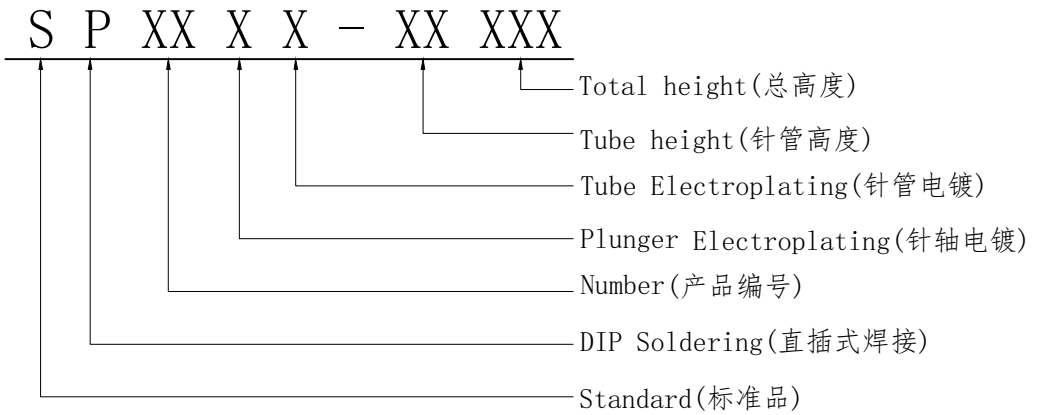
(材料和涂层符合ROHS和REACH标准)
-@Key inspection dimension
(@为重点检验尺寸)
-Unit:mm
(单位：mm)

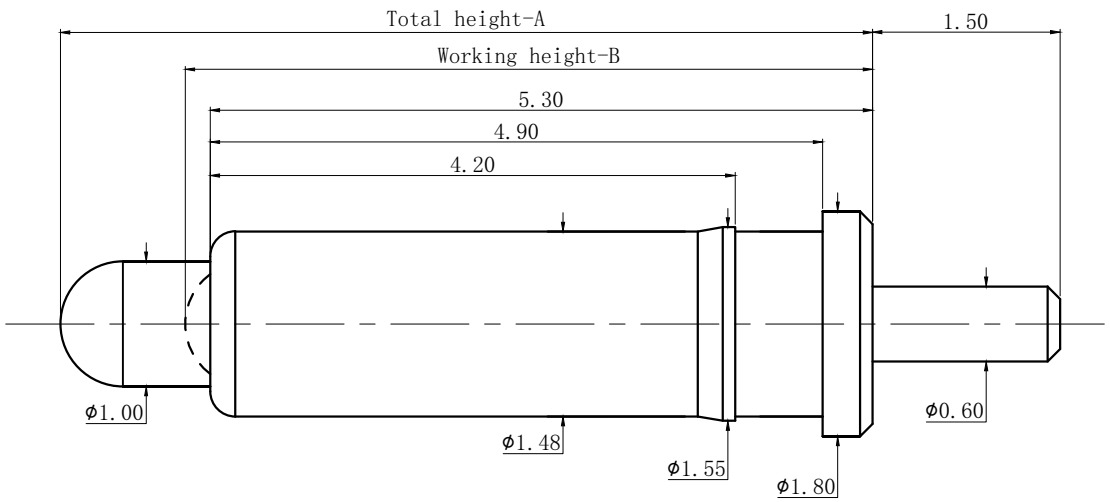
Materials:
-Plunger : Brass 0.125um Au over 1.5um~2.5um Ni
(柱塞：黄铜 表面镀金5u 底层镀镍60u-110u)
-Tube: Brass 0.125um Au over 1.5um~2.5um Ni
(铜管：黄铜 表面镀金5u 底层镀镍60u-110u))
-Sring: SUS 0.025um Au
(弹簧：不锈钢 表面镀金1u)

Mechanical(机械性能):
-Contact force: 80g±20g at 1.0mm working storke Full storke 1.2mm
(接触力：在1.0mm的工作压力下弹力为80g±20g 最大行程1.2mm)
-Life test: 20,000 cycles
(寿命测试：20000次循环)

Electrical(电气性能):
-Rated voltage: DC 12V ; Rated current: 3A Max.
(额定电压：DC 12V 额定电流：最大3A)
-Contact resistance of SP1111-ring pin : 50 milliohm Max.
(单针接触阻抗：最大50毫欧姆)



Standard Pogo pin(标准品弹簧针)



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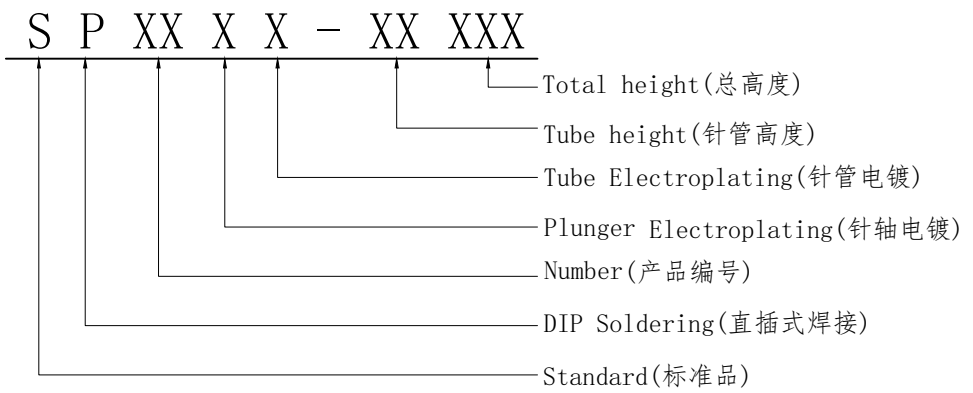
(@为重点检验尺寸)
-Unit:mm
(单位：mm)

Materials:
-Plunger : Brass 0.125um Au over 1.5um~2.5um Ni
(柱塞：黄铜 表面镀金5u 底层镀镍60u-110u)
-Tube: Brass 0.125um Au over 1.5um~2.5um Ni
(铜管：黄铜 表面镀金5u 底层镀镍60u-110u))
-Sring: SUS 0.025um Au
(弹簧：不锈钢 表面镀金1u)

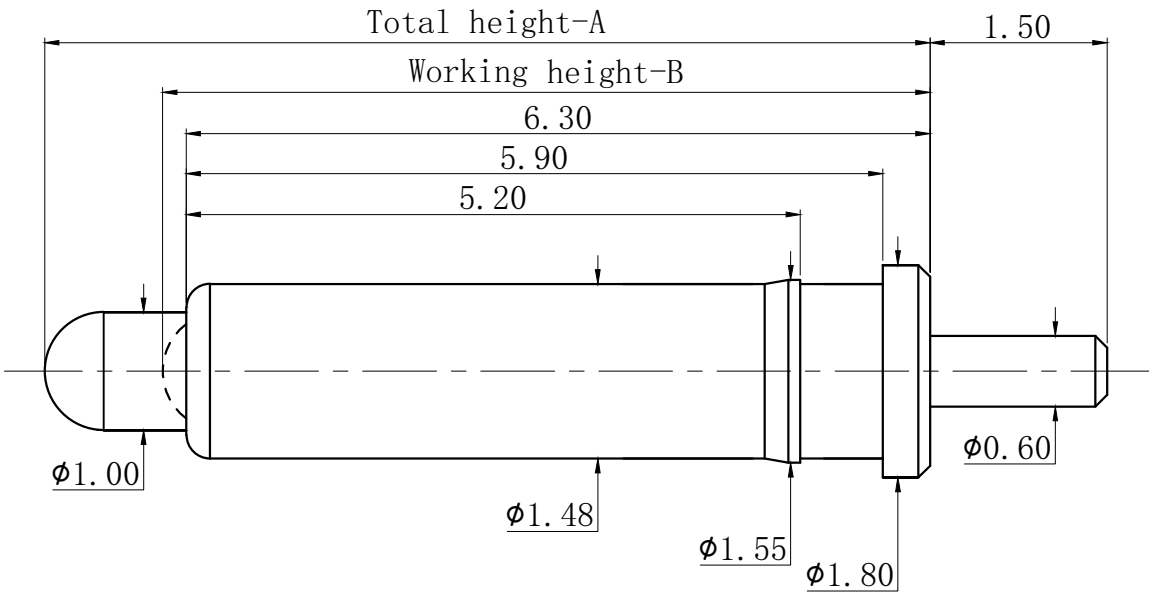
Mechanical(机械性能):
-Contact force: 80g±20g at 1.0mm working storke Full storke 1.2mm
(接触力：在1.0mm的工作压力下弹力为80g±20g 最大行程1.2mm)
-Life test: 20,000 cycles
(寿命测试：20000次循环)

Electrical(电气性能):
-Rated voltage: DC 12V ; Rated current: 3A Max.
(额定电压：DC 12V 额定电流：最大3A)
-Contact resistance of SP1111-ring pin : 50 milliohm Max.
(单针接触阻抗：最大50毫欧姆)

NO	Model (型号)	Total height-A (总高度-A)	Working height-B (工作高度-B)	Rated current (额定电流)
1	SP1111-53065	6.5	5.5	3A
2	SP1111-53070	7.0	6.0	3A



Standard Pogo pin(标准品弹簧针)



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-@Key inspection dimension
(@为重点检验尺寸)
-Unit:mm
(单位：mm)

Materials:
-Plunger : Brass 0.125um Au over 1.5um~2.5um Ni
(柱塞：黄铜 表面镀金5u 底层镀镍60u-110u)
-Tube: Brass 0.125um Au over 1.5um~2.5um Ni
(铜管：黄铜 表面镀金5u 底层镀镍60u-110u))
-Sring: SUS 0.025um Au
(弹簧：不锈钢 表面镀金1u)

Mechanical(机械性能):
-Contact force: 80g±20g at 1.0mm working storke Full storke 1.2mm
(接触力：在1.0mm的工作压力下弹力为80g±20g 最大行程1.2mm)
-Life test: 20,000 cycles
(寿命测试：20000次循环)

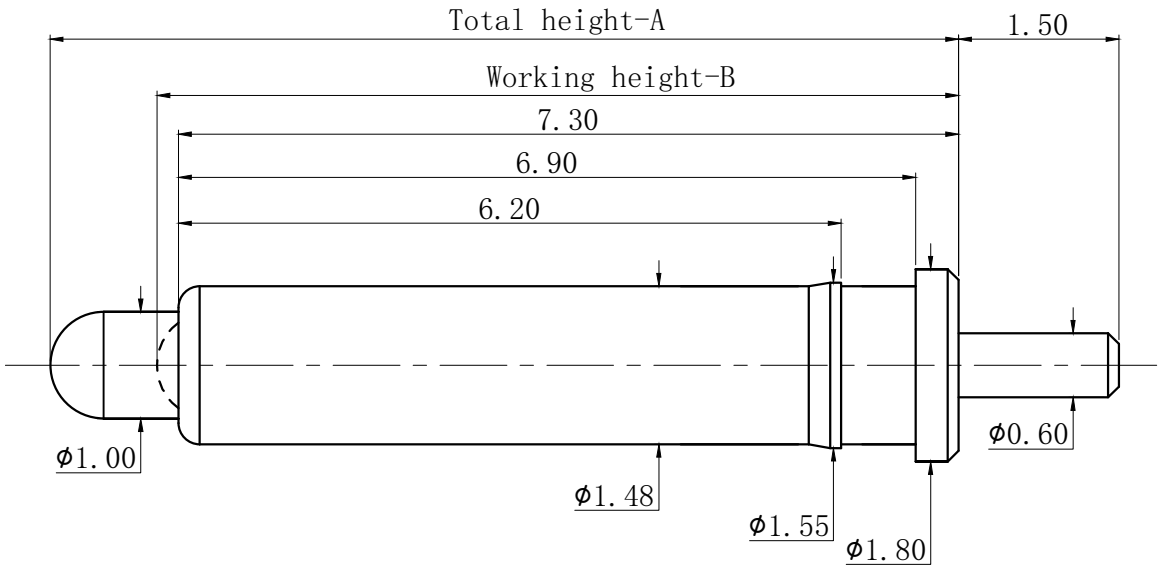
Electrical(电气性能):
-Rated voltage: DC 12V ; Rated current: 3A Max.
(额定电压：DC 12V 额定电流：最大3A)
-Contact resistance of SP1111-ring pin : 50 milliohm Max.
(单针接触阻抗：最大50毫欧姆)

NO	Model (型号)	Total height-A (总高度-A)	Working height-B (工作高度-B)	Rated current (额定电流)
1	SP1111-63075	7.5	6.5	3A
2	SP1111-63080	8.0	7.0	3A

S P XX X X - XX XXX

- XXX — Total height(总高度)
- XX — Tube height(针管高度)
- X — Tube Electroplating(针管电镀)
- X — Plunger Electroplating(针轴电镀)
- XX — Number(产品编号)
- P — DIP Soldering(直插式焊接)
- S — Standard(标准品)

Standard Pogo pin(标准品弹簧针)



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-@Key inspection dimension
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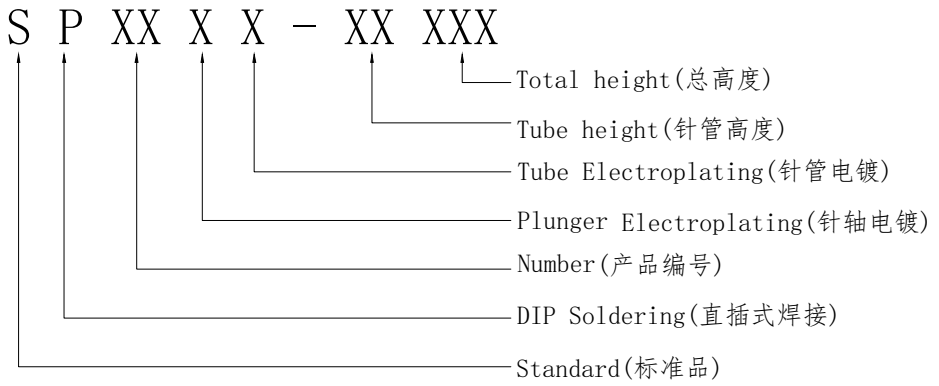
-Unit:mm
(单位：mm)

Materials:
-Plunger : Brass 0.125um Au over 1.5um~2.5um Ni
(柱塞：黄铜 表面镀金5u 底层镀镍60u-110u)
-Tube: Brass 0.125um Au over 1.5um~2.5um Ni
(铜管：黄铜 表面镀金5u 底层镀镍60u-110u))
-Sring: SUS 0.025um Au
(弹簧：不锈钢 表面镀金1u)

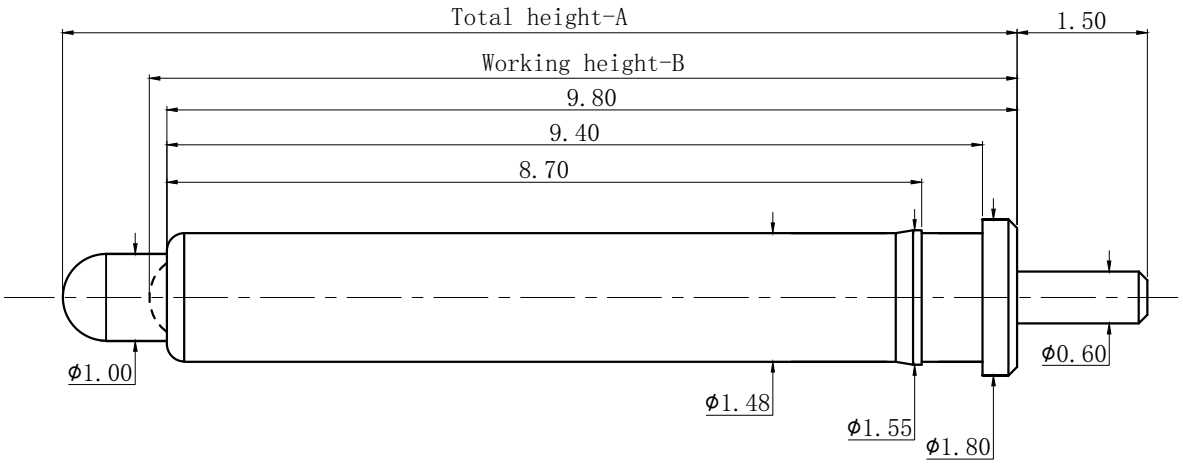
Mechanical(机械性能):
-Contact force: 80g±20g at 1.0mm working storke Full storke 1.2mm
(接触力：在1.0mm的工作压力下弹力为80g±20g 最大行程1.2mm)
-Life test: 20,000 cycles
(寿命测试：20000次循环)

Electrical(电气性能):
-Rated voltage: DC 12V ; Rated current: 3A Max.
(额定电压：DC 12V 额定电流：最大3A)
-Contact resistance of SP1111-ring pin : 50 milliohm Max.
(单针接触阻抗：最大50毫欧姆)

NO	Model (型号)	Total height-A (总高度-A)	Working height-B (工作高度-B)	Rated current (额定电流)
1	SP1111-73085	8.5	7.5	3A
2	SP1111-73090	9.0	8.0	3A
3	SP1111-73095	9.5	8.5	3A
4	SP1111-73100	10.0	9.0	3A



Standard Pogo pin(标准品弹簧针)



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-@Key inspection dimension
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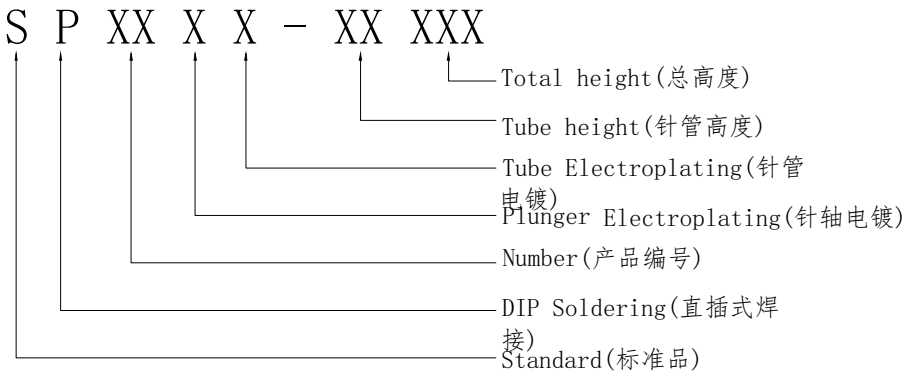
-Unit:mm
(单位：mm)

Materials:
-Plunger : Brass 0.125um Au over 1.5um~2.5um Ni
(柱塞：黄铜 表面镀金5u 底层镀镍60u-110u)
-Tube: Brass 0.125um Au over 1.5um~2.5um Ni
(铜管：黄铜 表面镀金5u 底层镀镍60u-110u))
-Sring: SUS 0.025um Au
(弹簧：不锈钢 表面镀金1u)

Mechanical(机械性能):
-Contact force: 80g±20g at 1.0mm working storke Full storke 1.2mm
(接触力：在1.0mm的工作压力下弹力为80g±20g 最大行程1.2mm)
-Life test: 20,000 cycles
(寿命测试：20000次循环)

Electrical(电气性能):
-Rated voltage: DC 12V ; Rated current: 3A Max.
(额定电压：DC 12V 额定电流：最大3A)
-Contact resistance of SP1111-ring pin : 50 milliohm Max.
(单针接触阻抗：最大50毫欧姆)

NO	Model (型号)	Total height-A (总高度-A)	Working height-B (工作高度-B)	Rated current (额定电流)
1	SP1111-98110	11.0	10.0	3A
2	SP1111-98120	12.0	11.0	3A
3	SP1111-98130	13.0	12.0	3A
4	SP1111-98140	14.0	13.0	3A