

# About Us

SFENG was founded in 1984 and headquartered in Ningbo. It is a professional enterprise integrating research, development, production, and sales.[\(china loaded probe pogo pin wholesalers\)](#)Products include in-circuit spring test probe, semiconductor spring test probe, battery charging pogo pin and the related accessories. Products are widely used in technology, automobiles, energy, telecommunications, medical, and other peripheral electronic products.

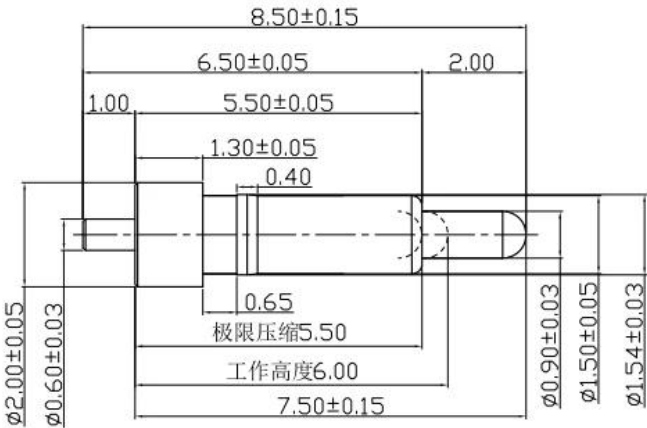
# Product Parameters

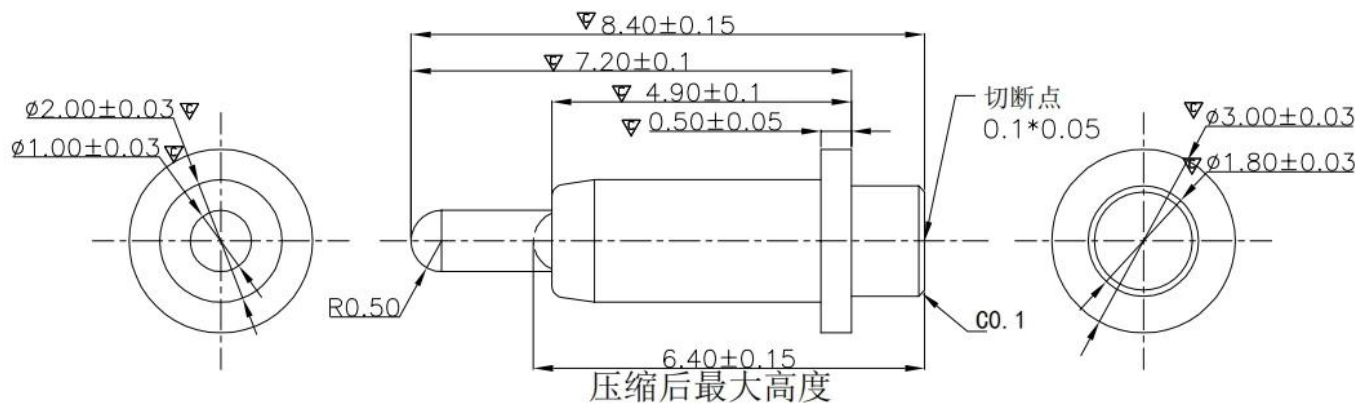
Model Number	SF-Pogo Pin□DIP□
Materials	Plunger□SUS Spring□SUS Barrel□Brass, Ni Plated
MOQ	100pcs
Lead time	7 working days after receiving the payment

# Product Details

NOTE

- 1.Material
- Plunger: Brass 3604
- Barrel: Brass 3604
- Spring: SUS 304
- Housing:
- 2.Plating
- Plunger: Au 3u" over 50~120u" NI
- Barrel: Au 3u" over 50~120u" NI
- Spring:
- 3.Electrical
- Rated current & voltage: DC 12V; 1.0A Max.
- 4.Mechanical
- Spring force: 100g±20% at normal working height
- Durability: 10,000 cycles(minimum)





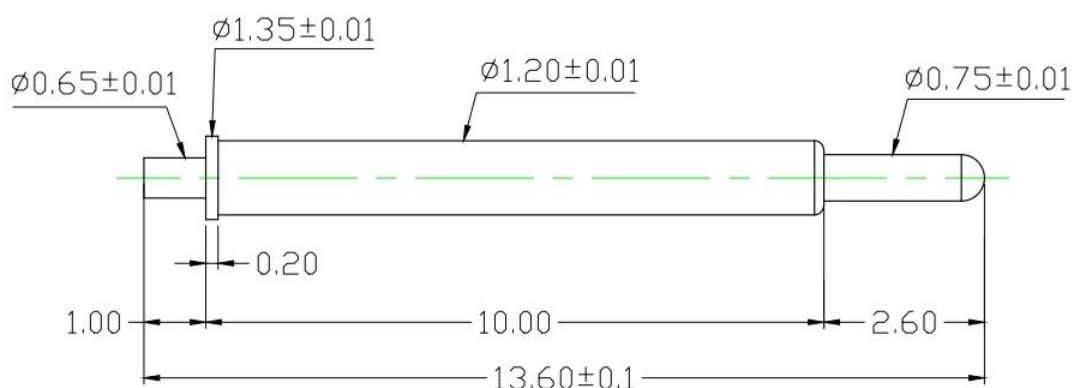
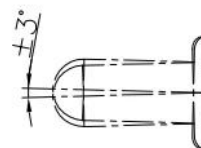
NOTE:  
PRODUCT TO BE MET ROHS

# 1. MATERIAL

PLUNGER:BRASS, 2U" GOLD PLATING 50-100u"MIN.NICKEL UNDERPLATED.  
BARREL:BRASS, 2U" GOLD PLATING 50-100u"MIN.NICKEL UNDERPLATED.  
SPRING:SI3304

# 2. SPECIFICATION:

ELECTRICAL:  
CURRENT RATING:12VDC,3A  
CONTACT RESISTANCE :50mΩ Max.  
ENVIRONMENTAL:  
TEMPERATURE RANGE:-40~85°C



## Materials(Plated) (材質與鍍層):

Barrel(針套) : Brass(黃銅) , Au on Ni Plated  
Plunger(針軸) : Ph(鉻鋼) , Au on Ni Plated  
Spring(彈弓) : SWP (琴線) , Au on Ni Plated

## Specifications (技術要求):

Current Rating(額定電流) : 1A  
Contact Resistance(接觸電阻) : 80mΩ  
Full Stroke(滿行程) : 2.6mm  
Rated Stroke(額定行程) : 1.8mm  
Spring Force(額定彈力) : 50±15gf@ load 1.8mm

标记	处数	更改文件号	签 字	日期
设计				
校对				
审核				
工艺				

名 称:

SF-Pogo pin1. 2X13.6-J

胜峰科技

说明:

1. 所有尺寸单位为mm  
2. 未注图示尺寸公差:按GB1804-79 11级精度执行

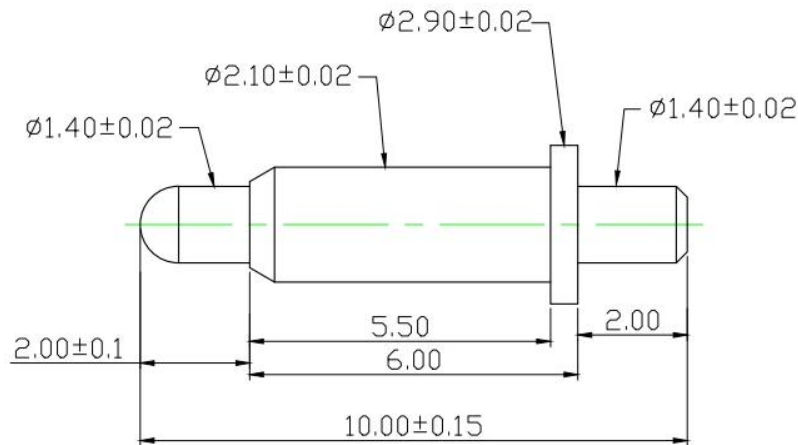
图纸编号:

SFKJ-20190625-107(1)

图样标记 视图质量 比例

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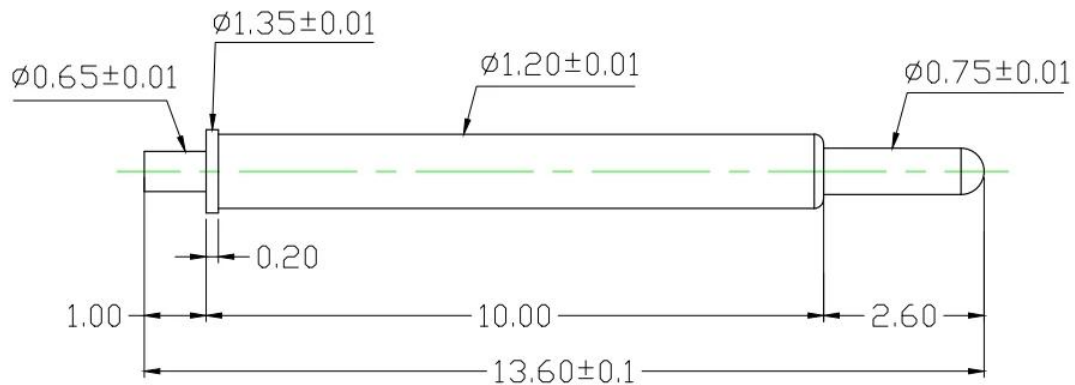
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Materials(Plated) (材質與鍍層) :  
 Barrel(針套) : Brass(黃銅) , Au on Ni Plated  
 Plunger(針軸) : Brass(黃銅) , Au on Ni Plated  
 Spring(彈弓) : SUS (不銹鋼線) , /

Specifications (技術要求) :  
 Current Rating(額定電流) : 2A  
 Contact Resistance(接觸電阻) : 80mΩ  
 Full Stroke(滿沖程) : 2.0mm  
 Rated Stroke(額定沖程) : 1.2mm  
 Spring Force(額定彈力) : 100±20gf@ load 1.2mm  
 : 150±30gf@ load 2.0mm

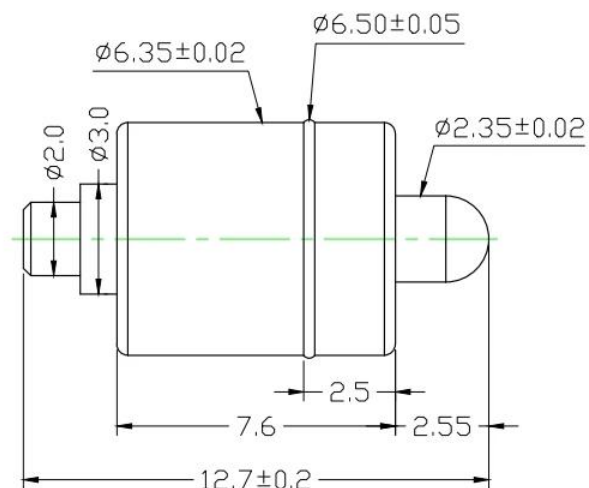
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						SF-Pogo Pin 2.1X10.0-J			说明: 1. 所有尺寸单位为mm 2. 未注图示尺寸公差:按GB1804-79 11级精度执行			
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审 核			制 图	HJQ								
工 艺			日 期	2019-8-3	共	1	页	第	1	页		



Materials(Plated) (材質與鍍層) :  
 Barrel(針套) : Brass(黃銅) , Au on Ni Plated  
 Plunger(針軸) : Ph(鍍銅) , Au on Ni Plated  
 Spring(彈弓) : SWP (琴線) , Au on Ni Plated

Specifications (技術要求) :  
 Current Rating(額定電流) : 1A  
 Contact Resistance(接觸電阻) : 80mΩ  
 Full Stroke(滿沖程) : 2.6mm  
 Rated Stroke(額定沖程) : 1.8mm  
 Spring Force(額定彈力) : 50±15%gf@ load 1.8mm

					名 称:				胜峰科技	
					SF-Pogo pin1.2X13.6-J					
标记		处数	更改文件号	签 字	日期	说明:				
						1. 所有尺寸单位为mm				
						2. 未注图示尺寸公差:按GB1804-79 11级精度执行				
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审 核			制 图	HJQ		图纸编号:				
工 艺			日 期	2019-6-26		共 1 页	第 1 页	SFKJ-20190625-107 (1)		



**Materials(Plated) (材質與鍍層):**

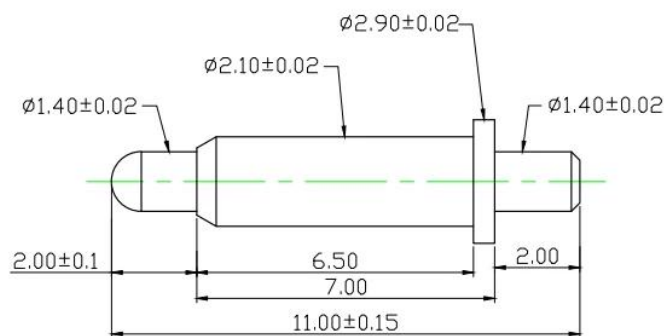
Barrel(針套) : Brass(黃銅) , Au on Ni Plated  
Plunger(針軸) : Brass(黃銅) , Au on Ni Plated  
Spring(彈弓) : SUS (不銹鋼線) , /

**Specifications (技術要求):**

Full Stroke(滿行程) : 2.5mm  
Rated Stroke(額定行程) : 2.0mm  
Spring Force(額定彈力) : 200±20gf@ load 2.0mm

名 称:					胜峰科技				
SF-Pogo pin6. 35X12. 7-J					说明:				
标记处数					1. 所有尺寸单位为mm				
设计					2. 未注图示尺寸公差: 按GB1804-79 11级精度执行				
校 对					图 样 标 记	视 图	质 量	比 例	图 纸 编 号:
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工 艺					共 1 页	第 1 页			

5	SF-XX-XX-XX	SFKJ-XXX-XX-XX	/	
4	SF-XX-XX-XX	SFKJ-XXX-XX-XX	/	
弹簧	SF-Pogo pin2. 1X11. 0-J-S	SFKJ-20190312-014(4)	1	
针套	SF-Pogo pin2. 1X11. 0-J-B	SFKJ-20190312-014(2)	1	
针头	SF-Pogo pin2. 1X11. 0-J-P	SFKJ-20190312-014(3)	1	
半成品	名 称	图 纸 编 号	数 量	备 注



**Materials(Plated) (材質與鍍層):**

Barrel(針套) : Brass(黃銅) , Au on Ni Plated  
Plunger(針軸) : Brass(黃銅) , Au on Ni Plated  
Spring(彈弓) : SUS (不銹鋼線) , /

**Specifications (技術要求):**

Current Rating(額定電流) : 2A  
Contact Resistance(接觸電阻) : 80mΩ  
Full Stroke(滿行程) : 2.0mm  
Rated Stroke(額定行程) : 1.2mm  
Spring Force(額定彈力) : 100±20gf@ load 1.2mm  
: 150±30gf@ load 2.0mm

名 称:					胜峰探针				
SF-Pogo Pin 2. 1X11. 0-J					说明:				
标记处数					1. 所有尺寸单位为mm				
设计					2. 未注图示尺寸公差: 按GB1804-79 11级精度执行				
校 对					图 样 标 记	视 图	质 量	比 例	图 纸 编 号: SFKJ-20190311-014(1)
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工 艺					共 1 页	第 1 页			

## Our Service

1. We can reply your inquiry within 24 working hours.
2. Customized design is available and OEM are welcomed.
3. We can deliver the probe pins to our clients all over the world with speed and precision.
4. We can provide the lowest price with high quality product to our client

## Mains products

- 1.Spring loaded pin (single) for PCB, ICT, FCT testing etc;
- 2.Pogo pin (connector) to establish connection between two printed circuit boards for charging, locating , Battery, Semiconductor & Interconnect applications;
- 3.Double ended probe for BGA and Semiconductor testing;
- 4.Universal pin without spring, coating pin, LM pin with QZ and VZ series;
- 5.High current probe, Switch probe, Capacitance needle;
- 6.Terminal & receptacle /socket;
- 7.Other related electronic components, 30# OK wire, Jig locks, POM, Iron hinge etc

**If you require custom items, please feel free to send us inquiry for more solutions!**

## Production Flow





**1. Raw material warehouse**



**2. Lathe workshop**



**3. Assemble workshop**



**4. Quality inspection**



**5. Finished products**

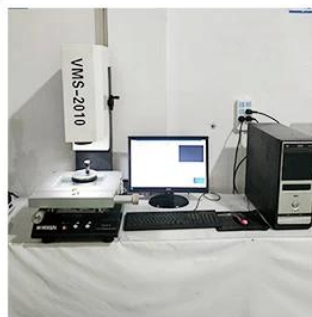


**6. Packing**

## Quality Control



**1. Agilent current testing**



**2. Quadratic element**



**3. Load Curve Meter**



**4. Bond Test**



**5. Life Fatigue Test**



**6. Microscope**

## Certifications



2023 ISO Certificate



Patent for Coaxial Structure



Patent for Honeycomb current probe

## Logistics

Sample order ship by DHL, UPS, FedEx, TNT, EMS etc

For mass order delivery, can be optional with terms of Exwork, FOB, CNF, CIF by air or by sea based on the buyer's forwarder or ours



## FAQ:

### Q1.Are you a manufacturer?

A1: Yes, we are an experienced manufacturer with our own molds and production lines.

### Q2.How about quality of products?

A2: Our technicians and QC teams test the products one by one using aging line, professional devices and instruments to ensure the quality for all products.

### Q3.How about price?

A3: We are a manufacturer and always offer our customers the most competitive prices.

### Q4.How to place an order?



A4: Contact with online service, or sent email to us directly, we will reply to you with product price, specifications, packing etc. soon. Thank you.

**Q5.May I buy samples from you?**

A5: Yes! You are welcome to place sample order to test our superior quality and service, mixed samples are acceptable.

**Q6.Can I visit your factory?**

A6: Yes, welcome to visit our factory at your convenient time.

**Q7.How can I make OEM or ODM orders?**

A7: We have different print processing for different OEM/ODM orders. Please contact us with online service or send email to us directly.

**Q8. How should I pay for my orders?**

A8: You can pay by T/T, L/C at sight would be available for qualified bank and MOQ required for each order.