

## About Us

SFENG was founded in 1984 and headquartered in Ningbo. It is a professional enterprise integrating research, development, production, and sales.[\(Circuit Test Probes manufacturer china\)](#)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

Connectionins	SF-PH-101
Recommended minimum center	2.54mm(.1000')
Mounting hole size	2.00mm(.0787")
Full travel	15.0(.5905")
Spring force	300g
Current ration	5A
Connectionins	50mΩ
MOQ	100pcs
Lead time	7 working days after receiving the payment

## Product Details

Technical drawings of various types of needles (B3, A, H, U, 托针) with dimensions in millimeters.

**Top Drawing (Main Assembly):**

- Overall length: 54.7
- Section 1: Length 9.0, Diameter  $\phi 2.70$
- Section 2: Length 13.0, Diameter  $\phi 1.10$
- Section 3: Length 2.0, Diameter  $\phi 1.00$
- Section 4: Length 30.7, Diameter  $\phi 3.50$

**Other Views:**

- B3:** Length 9.0, Diameter  $\phi 1.65$ , Angle 60°
- A:** Length 8.0, Angle 90°
- H:** Length 6.0, Angle 60°
- U:** Diameter  $\phi 3.00$ , Length 6.0
- 托针:** Diameter  $\phi 3.00$ , Length 6.0

Technical drawing of a shaft with the following dimensions (in mm):

- Overall length: 52.0
- Section 1: Diameter  $\phi 1.65$ , Length 7.0
- Section 2: Diameter  $\phi 1.00$ , Length 12.0
- Section 3: Diameter  $\phi 2.20$ , Length 4.0
- Section 4: Diameter  $\phi 2.00$ , Length 24.0
- Section 5: Diameter  $\phi 2.00$ , Length 5.0

Detail views:

- B**: Detail of the end of the shaft with a diameter of  $\phi 1.00$  and a chamfer of 30°.
- B3**: Detail of the transition between the  $\phi 2.20$  and  $\phi 2.00$  sections, with a length of 7.00.

### 技术规格

	SF-PH15	SF-PH18	SF-PH101	SF-PM200
Recommended minimum center 最小间距	3.50mm(.1378 " )	4.30mm(.1693 " )	2.54mm(.1000 " )	2.54mm(.1000 " )
Mounting hole size 钻孔尺寸	3.00mm(.1181 " )	3.50mm(.1378 " )	2.00mm(.0787 " )	2.00mm(.0787 " )
Full travel 行程	13.0(.5118 " )	13.0(.5118 " )	15.0(.5905 " )	12.0(.4724 " )
Spring force 弹簧压力	300g	300g	300g	300g
Current ration 额定电流	5A(安培)	5A(安培)	5A(安培)	5A(安培)
Contact resistance 接触电阻	50m Ω (毫欧姆)	50m Ω (毫欧姆)	50m Ω (毫欧姆)	50m Ω (毫欧姆)

## 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**

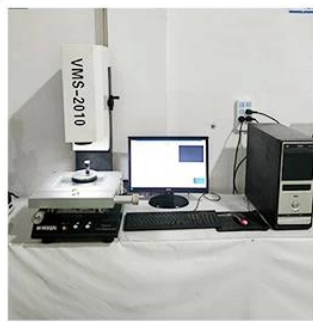


**6. Packing**

## 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.