

# HSS-003

## PRODUCT INFORMATION

### High Current Test Probes

**Grid:**  
 ≥ 3.18 mm  
 ≥ 125 Mil  
**Installation height with KS:** 16.0 mm

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## High current probe up to 27 A (international standard)

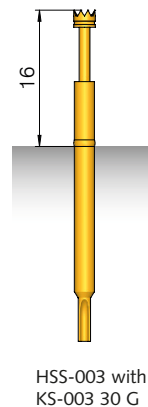
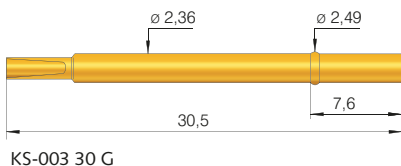
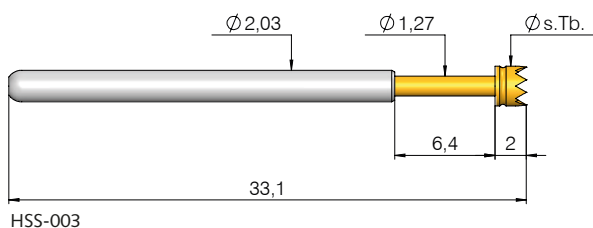
### Features

- International standard high current probe (HSS) for grid size 125 Mil
- Current load capacity up to 27 A

### Function / Assembly

- The probes are mounted in and connected with the KS-003 30 G receptacle with solder cup

### Mounting and functional dimensions



### Available tip styles

Material	Tip style	Plating	Further versions	
			Ø	Ø (inch)
3 05		S	Ø 2,54	
3 06		A	Ø 2,54	
3 17		A	Ø 2,54	
3 19		A	Ø 2,54	

### Mechanical data

**Working stroke:** 4.4 mm  
**Maximum stroke:** 6.4 mm  
**Spring force at working stroke:** 3.0 N  
**Alternative:** 2.0 N

### Materials

**Plunger:** BeCu, gold-plated  
**Barrel:** Bronze, silver-plated  
**Spring:** Stainless steel, gold-plated  
**Receptacle:** Nickel-silver, gold-plated

### Mounting and Tools

**Tool:** SW-GKS

### Electrical data

**Current rating:** 27 A  
**R<sub>i</sub> typical:** ≤ 10 mΩ

### Mounting hole size

With collar or press-ring as a collar-stop  
**in CEM1 and FR4:** Ø 2.33 - 2.34 mm

### Operating temperature

**Standard:** -80° up to +200° C

When pressing the press-ring into the mounting hole

**in CEM1 und FR4:** Ø 2.39 - 2.44 mm

### Ordering example

Series	Tip material 2 = Steel 3 = BeCu	Tip style	Tip diameter (1/100 mm)	Plating A = Gold	Spring force (dN)	Collar height (mm)
Test probe:	HSS	003	306	254	A	3000
Receptacles with press-ring:	KS-00330G					