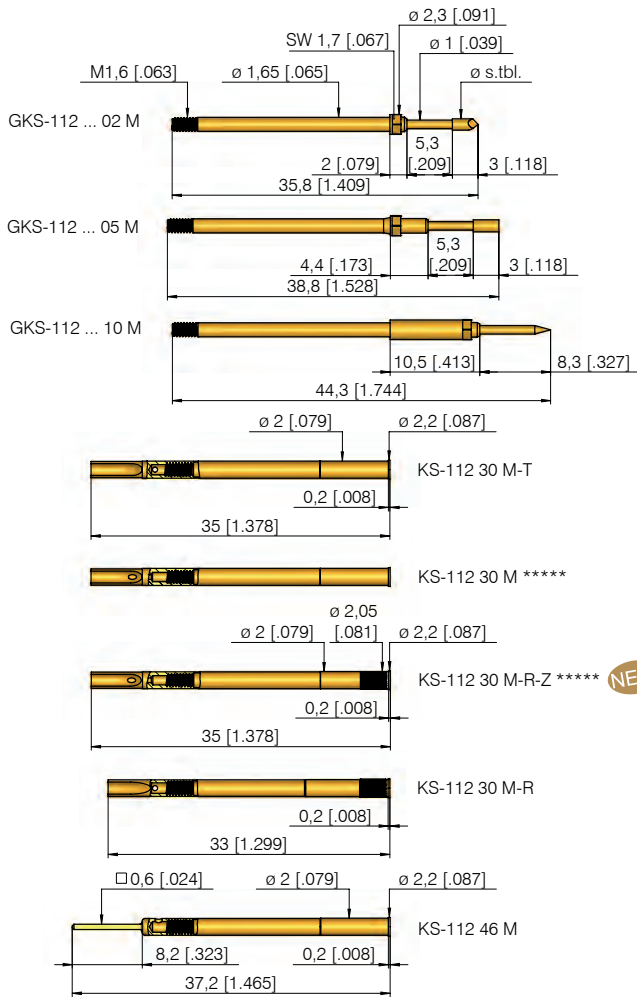


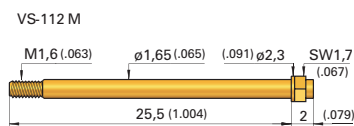
**Grid:**  
 ≥ 2,54 mm  
 ≥ 100 Mil

**Installation height with KS:** 10,5/13,6/19,0 mm (.413/.535/.748)  
**Recommended stroke:** 4,0 / 6,4 mm (.157/.252)



\*\*\*\* axially positioned through-hole for leakage test. Attention: when not assembled correctly, then solder can flow inside the receptacle.

**Plug VS-112 M** is used instead of a test probe to prevent receptacles being used unnecessarily during maintenance.



### Mechanical data

**Working stroke:** 4,0 mm (.157)  
**Maximum stroke:** 5,3 mm (.209)  
**Spring force at work. stroke:** 1,5 N (5.4oz)  
**Alternative:** 0,6 (2.1oz); 0,8 (2.9oz); 2,25 (8.1oz); 3,0 (10.8oz); 5,0 N (18.1oz)

Test probes with tip diameter ≤ 1,0 mm (.039) have a maximum stroke of 8,0 mm (.315)  
 Exception: 5,0 N-spring (18.1oz): max. stroke is always 5,3 mm (.209)

### Operating temperature

**Standard:** -40° up to +80° C  
**with spec. design. "MC":** -100° up to +200° C (0,8; 1,5; 2,25; 3,0 N)

Collar height	Install. height with KS
02	10,5 mm (.413)
05	13,6 mm (.535)
10	19,0 mm (.748)

### Materials

**Plunger:** BeCu or steel, gold-, rhodium or chemically nickel-plated  
**Barrel:** Brass, gold-plated  
**Spring:** Steel, gold-plated or stainless steel (MC)  
**Receptacle:** Brass, gold-plated

### Mounting hole size

**for KS-112 xx M and KS-112 xx M-T in CEM1 and FR4:** Ø 1,98 - 1,99 mm (.0780 - .0783)

**for KS-112 xx M-R / M-R-Z in CEM1 and FR4:** Ø 2,00 - 2,02 mm (.0787 - .0795)

### Electrical data

**Current rating:** 5 - 8 A  
**R<sub>i</sub> typical:** < 20 mΩ (with spec. design. "MC" < 100 mΩ)

## Available tip styles

Material	Tip style	Plating	Further versions	
			Ø	Ø (inch)
2	01	R A	Ø 1,00 (.039)	0,80 (.031)
3	02 **	A	Ø 0,64 (.025)	
3	02	A	Ø 0,64 (.025)	
3	02	A	Ø 0,80 (.031)	
3	02	A	Ø 2,00 (.079)	1,00 (.039) 1,50 (.059)
3	03	A	Ø 2,00 (.079)	1,40 (.055) 1,80 (.071)
2	04	R	Ø 2,00 (.079)	1,30 (.051)
3	05 **	A	Ø 0,63 (.025)	
3	05 **	A	Ø 0,64 (.025)	
3	05	A	Ø 0,64 (.025)	0,80 (.031)
3	05	A	Ø 2,00 (.079)	1,00 (.039) 1,40 (.055) 2,30 (.091)
0	06*	A	Ø 2,30 (.091)	
3	06	A	Ø 2,00 (.079)	
3	06	R	Ø 2,00 (.079)	1,30 (.051) 1,50 (.059) 1,80 (.071) 2,50 (.098)
2	07	R A	Ø 2,00 (.079)	1,30 A (.051)
2	09 ***	N	Ø 0,60 (.024)	
2	14	A	Ø 1,30 (.051)	1,30 R (.051)
2	17	N	Ø 1,75 (.069)	2,00 R (.079)
3	19	A	Ø 1,80 (.071)	2,00 (.079)

\* also available as tip style 0 02 and 0 03  
 Installation height plus 0,8 mm (.031)

\*\* plunger with defined wobble, spec. designation... MT

\*\*\* pressed-in steel point in base plunger made of brass

\*\*\*\* tip style with special designation "M-30"

### Collar height and installation height

The installation height of the tip (measured with the receptacle) is determined by the collar height. The test probe can only be used with a receptacle.

**Recommended screw-in torque:**  
 Min.: 3 cNm / Max.: 5 cNm

## Ordering example

Series	Tip material	Tip style	Tip diameter (1/100 mm)	Plating	Spring force (dN)	Collar height (mm)	Special designation alternative
M1	0 = Delrin 2 = Steel 3 = BeCu			A = Gold N = Nickel R = Rhodium			"MC", "MT", "M-30" (see ****)

Test probe:

G K S 1 1 2 2 0 4 1 3 0 R 1 5 0 2 M 30

Plug:

V S 1 1 2 M

All specifications are subject to change without prior notification