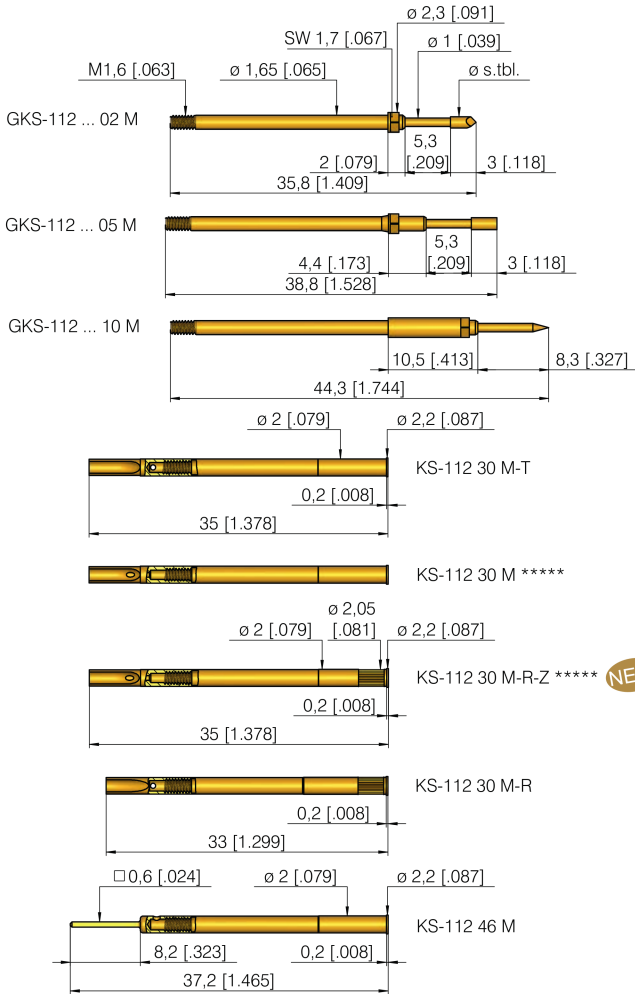


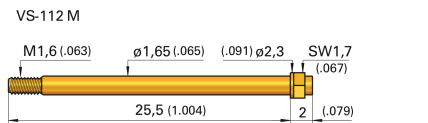
Grid:
 ≥ 2,54 mm
 ≥ 100 Mil

Installation height with KS: 10,5/13,5/19,0 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	13,5 mm (.531)
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_i 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	0,80	(.031)
3	02 **	A		
3	02	A		
3	02	A		
3	02	A		
3	02	A	1,00	(.039)
3	02	A	1,50	(.059)
3	03	A	1,40	(.055)
3	03	A	1,80	(.071)
2	04	R	1,30	(.051)
3	05	A		
3	05	A		
3	05	A	0,80	(.031)
3	05	A	1,00	(.039)
3	05	A	1,40	(.055)
3	05	A	2,30	(.091)
0	06*	A		
3	06	A		
3	06	R	1,30	(.051)
3	06	R	1,50	(.059)
3	06	R	1,80	(.071)
3	06	R	2,50	(.098)
2	07	R A	1,30	(.051)
2	09 ***	N		
2	14	A	1,30	(.051)
2	17	N	2,00	(.079)
3	19	A	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
0 = Delrin 2 = Steel 3 = BeCu	A = Gold N = Nickel R = Rhodium						"MC", "MT", "M-30" (see ****)

Test probe:



Plug:



All specifications are subject to change without prior notification