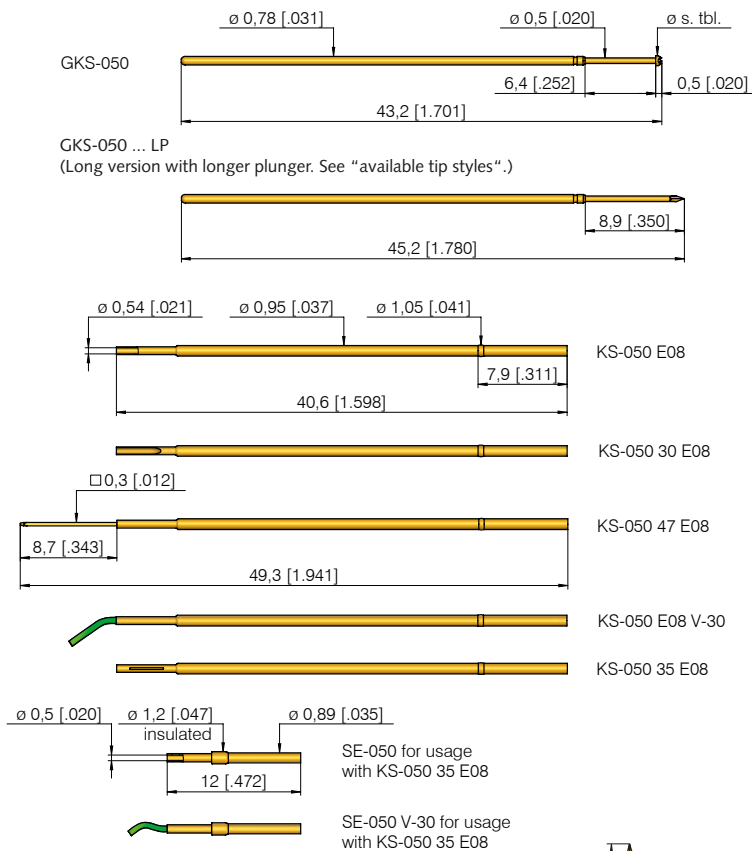


Grid:
 $\geq 1,27 \text{ mm}$
 $\geq 50 \text{ Mil}$

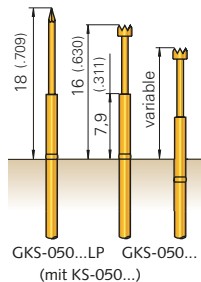
Installation height with KS: 16,0 / 18,0 mm (.630 / .709) / variable
 Recommended stroke: 4,3 mm (.169)

Mounting and functional dimensions



Collar height and installation height

To adjust the installation height, receptacles with a press-ring are used. The receptacles can be inserted up to the press-ring (i.e. acting as a collar-stop) or with the press-ring pressed into the mounting hole.



Mechanical data

Working stroke: 4,3 mm (.169)
Maximum stroke: 6,35 mm (.250)
Spring force at work. stroke: 1,5 N (5.4oz)
Alternative: 1,0 N (3.6oz); 2,0 N (7.2oz)

Materials

Plunger: BeCu or steel, gold-plated
Barrel: Bronze, gold-plated
Spring: Steel, gold-plated or stainless steel*** (C)
Receptacle: BeCu, gold-plated

Electrical Data

Current rating: 2 - 3 A
R_i typical: < 20 m Ω (**< 100 m Ω)

Operating temperature

Standard: -40° up to +80° C
*****with special designation "C":** -100° up to +200° C (2,0 N)

Mounting hole size

in CEM1 and FR4: $\varnothing 0,98 - 1,00 \text{ mm}$ (.0386 -.0394)

Note:

Screw-in versions shown on page 121.

Available tip styles version GKS-050

Material	Tip style	Plating	Further versions	
			$\varnothing$	$\varnothing$ (inch)
2 01		A	$\varnothing 0,50$ (.020)	
3 02		A	$\varnothing 0,60$ (.024)	
3 03		A	$\varnothing 0,50$ (.020)	0,90 (.035)
3 05		A	$\varnothing 0,50$ (.020)	
3 06		A	$\varnothing 0,90$ (.035)	
3 07		A	$\varnothing 0,50$ (.020)	0,90 (.035)
2 14		A	$\varnothing 0,50$ (.020)	
3 19*		A	$\varnothing 0,90$ (.035)	
2 22**		A	$\varnothing 0,40$ (.016)	
2 31		A	$\varnothing 0,50$ (.020)	
2 38		A	$\varnothing 0,50$ (.020)	
2 77		A	$\varnothing 0,50$ (.020)	
2 91		A	$\varnothing 0,50$ (.020)	
2 97		A	$\varnothing 0,50$ (.020)	

* 0,3 mm longer than standard
 ** conical down to $\varnothing 0,50 \text{ mm}$

Available tip styles special version GKS-050...LP

Material	Tip style	Plating	Further versions	
			$\varnothing$	$\varnothing$ (inch)
2 91		A	$\varnothing 0,50$ (.020)	

Total length 45,2 mm (1.783), special designation "LP"

SE-050 V-30 / KS-050 E08 V-30:

The plug and receptacle are pre-wired with 1 m AWG 30 wire. The connection is soldered. Insulation tubing prevents shorts between the receptacles. Minimal recommended bending radius: 10 mm (.394).

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)	Special designation ("C"; "LP")
Test probe with total length 43,2 mm (1.700):	G K S	0 5 0	2	9 1	0 5 0	A	1 0	0 0
Test probe with total length 45,2 mm (1.780):	G K S	0 5 0	2	9 1	0 5 0	A	1 5	0 0 LP
Receptacles:	KS-050 E08	KS-050 30 E08	KS-050 35 E08	KS-050 E08 V-30				
Plugs:	SE-050	SE-050 V-30						