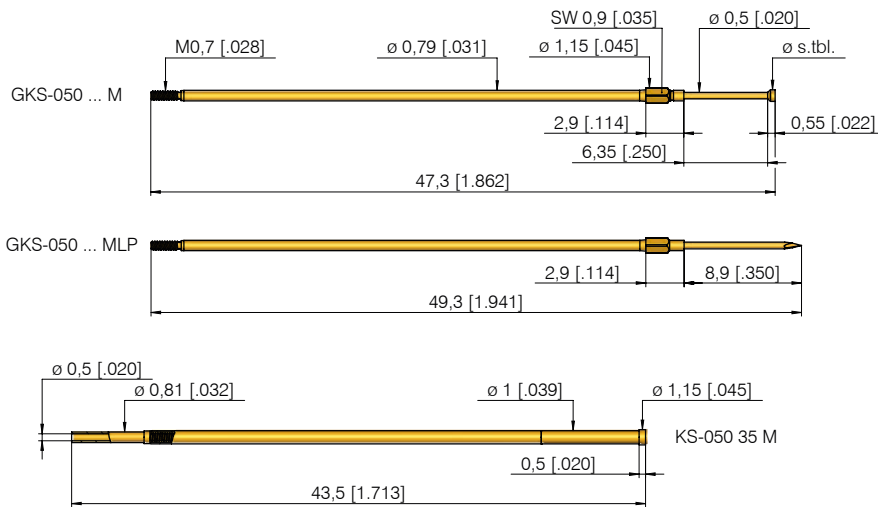


Grid:
 $\geq 1,27 \text{ mm}$
 $\geq 50 \text{ Mil}$

Installation height with KS: 10,5 / 12,5 mm (.413 - .492)

Recommended stroke: 4,3 mm (.169)

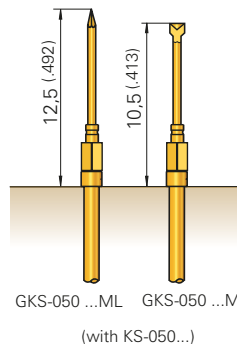
Mounting and functional dimensions



Collar height and installation height

The installation height of the tip (measured with the receptacle) is determined by the collar height of the receptacle.

Collar height	Installation height
03 M	10,5 mm (.413)
03 ML	12,5 mm (.492)



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: Brass, gold-plated
Spring: Steel, gold-plated or stainless steel** (MC)
Receptacle: Brass, gold-plated

Electrical data

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

Mounting hole size

in CEM1: ø1,00 - 1,02 mm (.0394-.0401)
in FR4: ø1,01 - 1,03 mm (.0398-.0405)

Operating temperature

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

Available tip styles

version GKS-050 ... M

Material	Tip style	Plating	Further versions	
			ø	ø (inch)
2 01		A	ø 0,50 (.020)	
3 02		A	ø 0,60 (.023)	
3 03		A	ø 0,50 (.020)	0,90 (.035)
3 05		A	ø 0,50 (.020)	
3 06		A	ø 0,90 (.035)	
3 07		A	ø 0,50 (.020)	0,90 (.035)
2 14		A	ø 0,50 (.020)	
3 19*		A	ø 0,90 (.035)	
2 22**		A	ø 0,40 (.020)	
2 31		A	ø 0,50 (.020)	
2 38		A	ø 0,50 (.020)	
2 77		A	ø 0,50 (.020)	
2 91		A	ø 0,50 (.020)	
2 97		A	ø 0,50 (.020)	

* 0,3 mm longer than standard
 ** conical down to ø 0,50 mm

Available tip styles

special version GKS-050 ... ML

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

Total length 49,3 mm (1.941), special designation "ML"

Recommended screw-in torque:
 Min.: 0,5 cNm / Max.: 1 cNm

Note:

The KS-050 ... M receptacle is available pre-wired with 1 m AWG 30 wire (see ordering example). 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 "M", "MC" "ML", "MLC"
Test probe with Total length 47,3 mm (1.862):		G K S	0 5 0	2 9 1	0 5 0	A 1 5	0 3 M
Test probe with Total length 49,3 mm (1.941):		G K S	0 5 0	2 9 1	0 5 0	A 1 5	0 3 M L
Receptacles:		K S - 0 5 0	3 5 M	K S - 0 5 0	3 5 M - V - 30		
Insertion tool for KS-050 ... M:		S W - K S -	0 8 0				

All specifications are subject to change without prior notification