

# GKS 550

Wireless Test Probes

Grid:

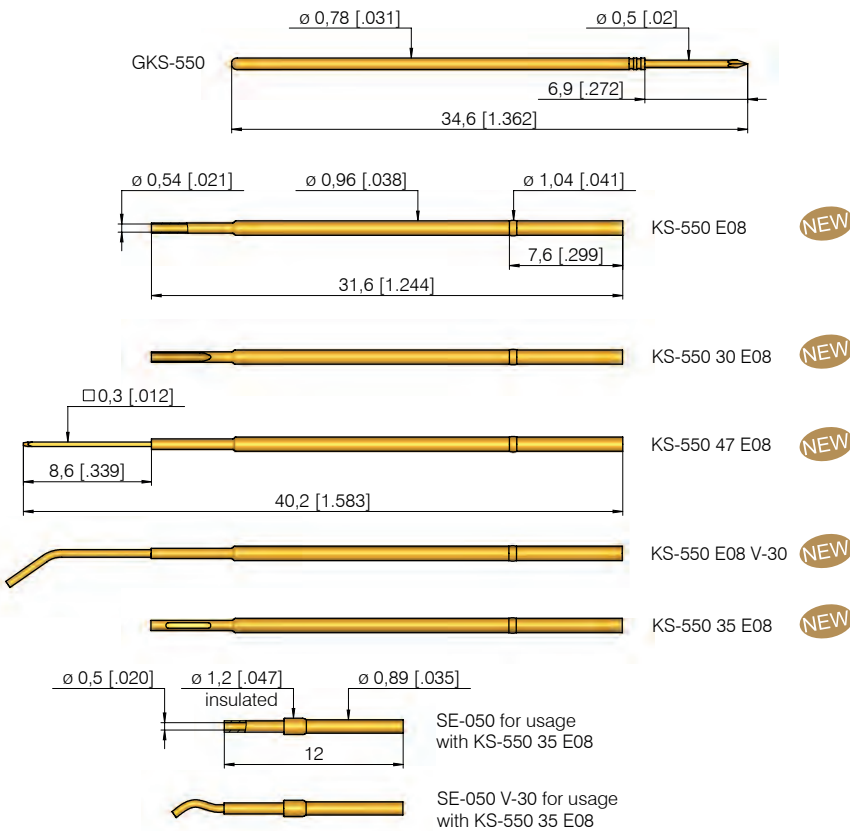
≥ 1,27 mm

≥ 50 Mil

Installation height with KS: 16,0 mm (.630) / variable

Recommended stroke: 4,3 mm (.169)

## Mounting and functional dimensions



## Available tip styles

Material	Tip styles	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	$\varnothing 0,50 (.020)$	
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	$\varnothing 0,50 (.020)$	

\* conical down to  $\varnothing 0,50$  mm

### 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 being 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  
**Receptacle:** BeCu, gold-plated

### SE-050 V-30 / KS-550 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. Recommended minimal bending radius: 10 mm (.394).

### Electrical Data

**Current rating:** 2 - 3 A  
**R<sub>i</sub> typical:** < 20 m $\Omega$

### Mounting hole size

**in CEM1:**  $\varnothing 0,96 - 0,98$  mm (.0378-.0386)  
**in FR4:**  $\varnothing 0,97 - 0,99$  mm (.0382-.0390)

### Operating temperature

**Standard:** -40° up to +80° C

## 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
Test probe	GKS	550	2	91	050	A	15	00
Receptacles:	KS-550 E08	KS-550 30 E08	KS-550 35 E08	KS-550 E08 V-30				
Plug:	SE-050	SE-050 V-30						