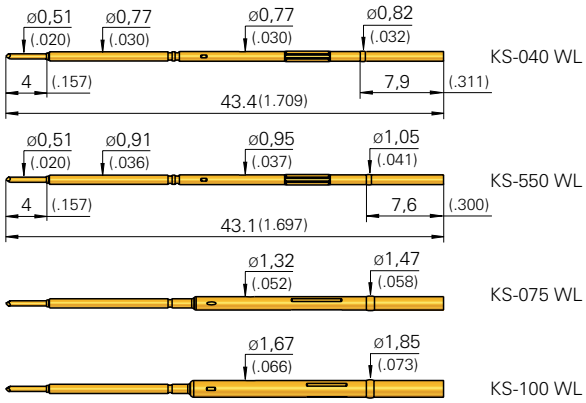
KS WL / GKS-550

Wireless Receptacles
Spring Loaded Receptacles

Grid:
≥ 1.00 / 1,27 / 1,91 / 2,54 mm
≥ 40 / 50 / 75 / 100 Mil
Installation Height: 16,0 mm (.630) / variable
Recommended Stroke: 2,5 mm (.098)

Mounting and Functional Dimensions

Wireless Receptacles



Available Tip Styles

Plunger in Receptacle

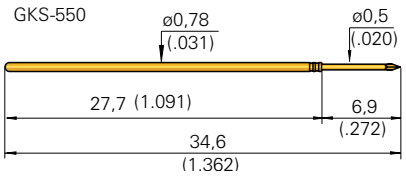
Material	Tip Style		Plating	Further Versions	
				∅	∅ (inch)
3	07	∅ 0,51 (.020)	A		

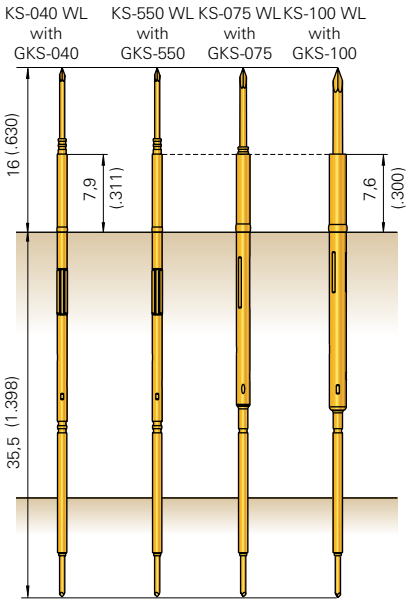
GKS-550

With KS-550 WL the Probe Series GKS-550 is used.
Available Tip Styles and Materials:
see GKS-050 on page 25

Mechanical Data GKS-550

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)





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 beeing pressed into the mounting hole.

Materials

Plunger: BeCu, gold-plated
Ball: Steel, gold-plated
Spring: Steel, gold-plated
Receptacle: Nickel-silver, gold-plated

Tools:
Insertion and Extraction Tools for GKS and KS see Page 118.

Mechanical Data

Working Stroke: 2,5 mm (.098)
Maximum Stroke: 4,0 mm (.157)
Spring Force at Work. Stroke: 1,0 N (3.6oz)
Pre-load: 0,6 N (2.2oz)
Pre-load KS-040 WL: 0,5 N (1.8oz)
Recommended Guide Plate Hole:
KS-040: ∅ 0,81-0,85 mm (.032 - .033)
KS-050, 075, 100:
∅ 0,96-0,99 mm (.036 - .039)

Electrical Data

Current Rating: 2 - 3 A
R_i typical: < 20 mΩ

Operating Temperature

Standard: -40° up to +80° C

Mounting Hole Sizes

KS-040 WL
by usage of Press-ring or by usage of Press-ring as a collar:
in CEM 1: ∅0,79-0,80 mm (.0311-.0315)
in FR 4: ∅0,79-0,80 mm (.0311-.0315)

KS-550 WL
by usage of Press-ring or by usage of Press-ring as a collar:
in CEM 1: ∅0,96-0,98 mm (.0378 - .0386)
in FR 4: ∅0,97-0,99 mm (.0382 - .0390)

KS-075 WL
by usage of Press-ring in:
CEM1/FR4: ∅1,36-1,40 mm (.0535-.0551)
by usage of Press-ring as a collar in:
CEM1/FR4: ∅1,31-1,32 mm (.0516-.0520)

KS-100 WL
by usage of Press-ring in:
CEM1/FR4: ∅1,70-1,75 mm (.0669-.0689)
by usage of Press-ring as a collar:
in CEM 1: ∅1,68-1,69 mm (.0661-.0665)
in FR 4: ∅1,69-1,70 mm (.0665-.0669)

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)
Test Probe for KS 550 WL:	GKS	550	2	91	050	A	15	00
Receptacle for Grid 1,00 mm (40 Mil):	KS-040 WL						
Receptacle for Grid 1,27 mm (50 Mil):	KS-550 WL						
Receptacle for Grid 1,91 mm (75 Mil):	KS-075 WL						
Receptacle for Grid 2,54 mm (100 Mil):	KS-100 WL						

Test Probes see GKS-040 Page 24
Test Probes see GKS-550 above
Test Probes see GKS-075 Page 26/27
Test Probes see GKS-100 Page 28/29