

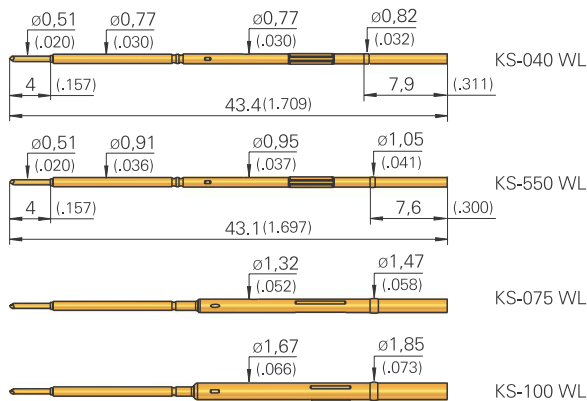
Grid:

≥ 1.00 / 1,27 / 1,91 / 2,54 mm
≥ 40 / 50 / 75 / 100 Mil

Installation height with KS: 16,0 mm (.630) / variable
Recommended stroke: 2,5 mm (.098)

Mounting and functional dimensions

Wireless receptacles

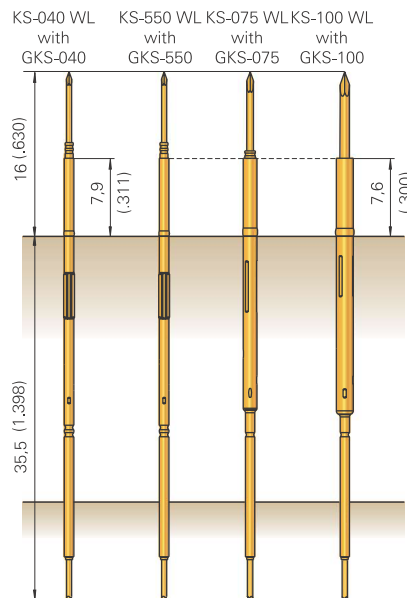


Available tip styles plunger in receptacle

Material	Tip style	Plating	Further versions	
			ϕ	ϕ (inch)
3	07	A		

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.



Mounting hole Sizes

KS-040 WL

with use of press ring or with use of press ring as a collar:

in CEM1: $\phi 0,79$ - $0,80$ mm (.0311-.0315)

in FR4: $\phi 0,79$ - $0,80$ mm (.0311-.0315)

KS-550 WL

with use of press ring or with use of press ring as a collar:

in CEM1: $\phi 0,96$ - $0,98$ mm (.0378 - .0386)

in FR4: $\phi 0,97$ - $0,99$ mm (.0382 - .0390)

KS-075 WL

with use of press ring in:

CEM1/FR4: $\phi 1,36$ - $1,40$ mm (.0535-.0551)

with use of press ring as a collar in:

CEM1/FR4: $\phi 1,31$ - $1,32$ mm (.0516-.0520)

KS-100 WL

with use of press ring in:

CEM1/FR4: $\phi 1,70$ - $1,75$ mm (.0669-.0689)

with use of press ring as a collar:

in CEM1: $\phi 1,68$ - $1,69$ mm (.0661-.0665)

in FR4: $\phi 1,69$ - $1,70$ mm (.0665-.0669)

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 at KS-040 WL: 0,5 N (1,8oz)

Recomm. guiding pin hole:

KS-040: $\phi 0,81$ - $0,85$ mm (.032-.033)

KS-050 / 075 / 100: $\phi 0,96$ - $0,99$ mm (.038-.039)

Materials

Plunger: BeCu, gold-plated

Ball: Steel, gold-plated

Spring: Steel, gold-plated

Receptacle: Nickel-silver, gold-plated

Operating temperature

Standard: -40° up to +80° C

Electrical data

Current rating: 2 - 3 A

R_i typical: < 20 m Ω

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)
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Test probe for KS 550 WL:

G K S 5 5 0 2 9 1 0 5 0 A 1 5 0 0

Receptacle for grid 1,00 mm (40 Mil):

K S - 0 4 0 W L

Test probes see GKS-040 page 24

Receptacle for grid 1,27 mm (50 Mil):

K S - 5 5 0 W L

Test probes see GKS-550 page 34

Receptacle for grid 1,91 mm (75 Mil):

K S - 0 7 5 W L

Test probes see GKS-075 page 26/27

Receptacle for grid 2,54 mm (100 Mil):

K S - 1 0 0 W L

Test probes see GKS-100 page 28/29