


Available Tip Styles					
Plunger in Receptacle					
Material	Tip Style	Standard Plating	Special Versions		
			Ø	Ø(inch)	
3	07 	A	Ø 0,51 (.020)		

Mechanical Data

Working Stroke: 2,5 mm (.098)
 Maximum Stroke: 4,0 mm (.158)
 Spring Force at Work. Stroke: 1,0 N (3.6 oz.)
 Pre-load: 0,6 N (2.2 oz)
 Recommended Guide Plate hole: Ø 0,96 - 0,99 mm (.038 - .039)

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.

Electrical Data

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

Operating Temperature

Standard: -40° up to +80° C

Mounting Hole Sizes

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

KS-075 WL
 by usage of Press-ring:
 in CEM 1 and FR4: Ø 1,36 - 1,40 mm (.0535 - .0551)
 by usage of Press-ring as a collar:
 in CEM 1 and FR 4: Ø 1,31 - 1,32 mm (.0516 - .0520)

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

Materials

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

Tools:

Insertion and Extraction Tools for GKS and KS > see Page 80.

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 1,27 mm (50 Mil):

K S - 5 5 0 W L

Test Probes see GKS-550 above

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

K S - 0 7 5 W L

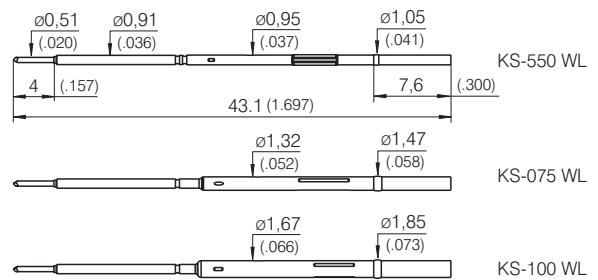
Test Probes see GKS-075 Page 18 / 19

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

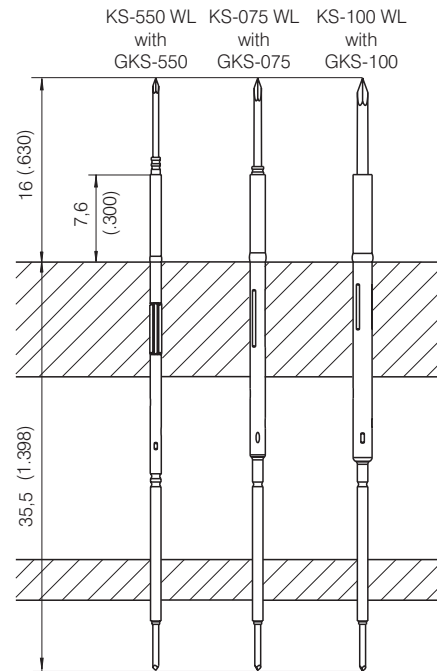
K S - 1 0 0 W L

Test Probes see GKS-100 Page 20 / 21

Mounting and Functional Dimensions



Examples with GKS-550, 075 and 100



GKS-550

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

Mechanical Data

Working Stroke: 4,3 mm (.169)
 Maximum Stroke: 6,35 mm (.250)
 Spring Force at Work. Stroke: 1,5 N (5.4 oz.)
 alternative: 1,0 N (3.6 oz)

Mounting and Functional Dimensions

