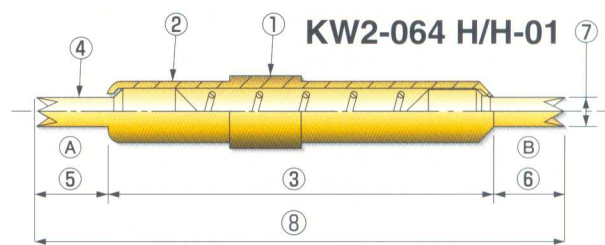
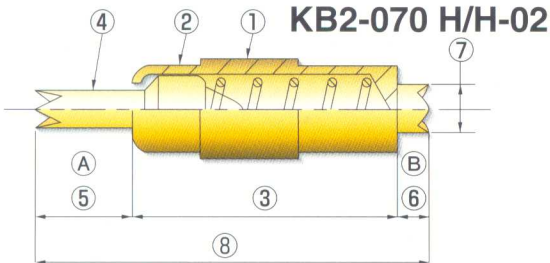
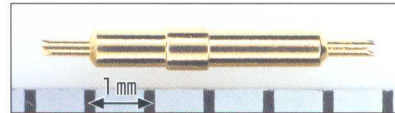
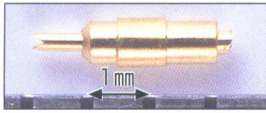


1.0mm Pitch Series



MINI Contact Probe Physical Dimensions KB2-070 & KW2-064

Part Number	KB2-070 H/H-02		KW2-064 H/H-01	
Size	①	$\phi 0.80$ mm	①	$\phi 0.76$ mm
	②	$\phi 0.70$ mm	②	$\phi 0.64$ mm
	③	2.15 mm	③	4.06 mm
	④	$\phi 0.30$ mm	④	$\phi 0.30$ mm
	⑤	0.80 mm	⑤	0.76 mm
	⑥	0.25 mm	⑥	0.76 mm
	⑦	$\phi 0.38$ mm	⑦	$\phi 0.30$ mm
	⑧	3.20 mm	⑧	5.58 mm
Spring Force	12.3 g at 0.50 mm Stroke / 15 g at 0.65 mm Stroke		18 g at 0.51 mm Stroke	
Tip Style				
Plunger (A)	BeCu	Plating	Au	
Plunger (B)	BeCu	Plating	Au	
Barrel	BeCu or BST	Plating	Au	
Spring	SWP	Plating	Au	

KB2-070 H/H-02

Mechanical performance					
Applicable pitch	1.0mm				
Contact pin actuations	500K				
Full Stroke	0.8mm				
Contact stroke	0.65mm				
Contact force	15 gf/pin				
Operating tempertue	-40 to 100 deg C				
Material & Surface					
Top Plunger	BeCu, NiBo, Au				
Bottom Plunger	-				
Barrel	BS, Ni, Au				
Spring	SWP, Au				
Electrical performance					
Self inductance	1.27nH				
Insertion loss	< - 1 dB to 6.75 GHz				
Contact resistance (Life test)	30 mΩ AVERAGE				
Current rating	1.3A				
Element values for KB2-070 H/H-02 (1.0mm pitch)					
Pins	L1 & L2 (nH)	M21 (nH)	Ra & R2 (Ω)	C21a (pF)	C21b (pF)
Field adjacent	0.6	0.08	200	0.05	0.06
Field diagonal	0.6	0.01	200	0.01	0.01
Edge adjacent	0.7	0.12	200	0.05	0.07
Corner adjacent	0.8	0.14	200	0.05	0.08