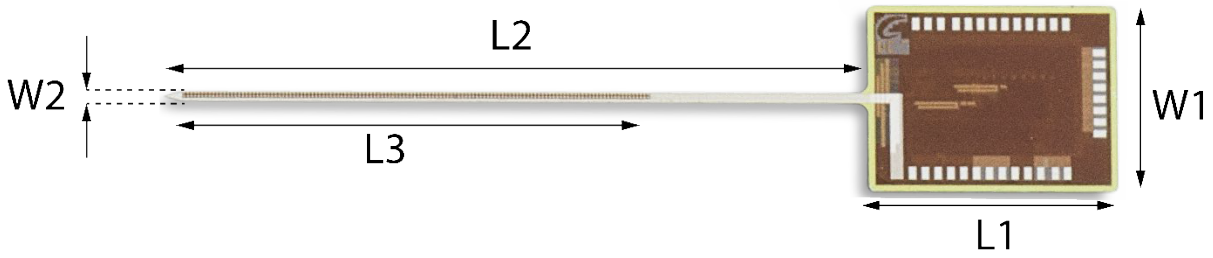
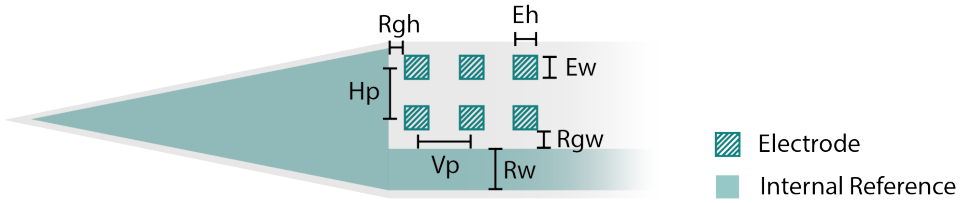
SiNAPS Probe 1 Shank 256 Pixels Datasheet



Probe Size (Typical)	
Base Width (W1)	1490±40 µm
Base Length (L1)	2070±40 µm
Base Thickness	50±5 µm
Shank Width (W2)	88±2 µm
Shank Length (L2)	5920±40 µm
Active Area Length (L3)	3865±1 µm
Shank Thickness	50±5 µm
Tip Angle	26°±3°

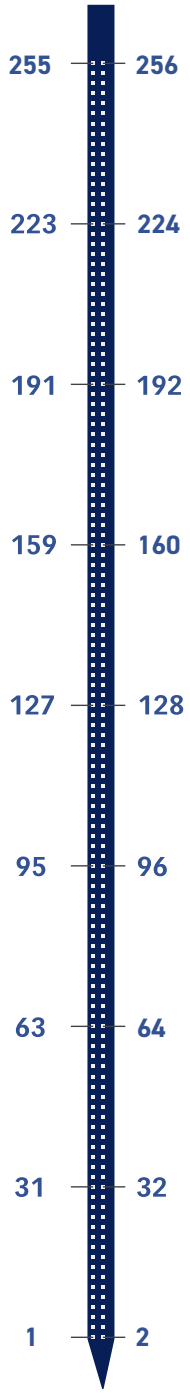


Electrodes	
Number	256
Pattern	2 columns
Size (Eh x Ew)	14 x 14 µm
Vertical Pitch (Vp)	30±1 µm
Horizontal Pitch (Hp)	27±1 µm
Material	Platinum

Internal Reference	
Width (Rw)	23±1 µm
Lateral Spacing (Rgw)	8±1 µm
Vertical Lateral (Rgh)	13±1 µm
Internal Reference Area	0.095[2] mm² (0.23[3] mm²)
Material	Platinum

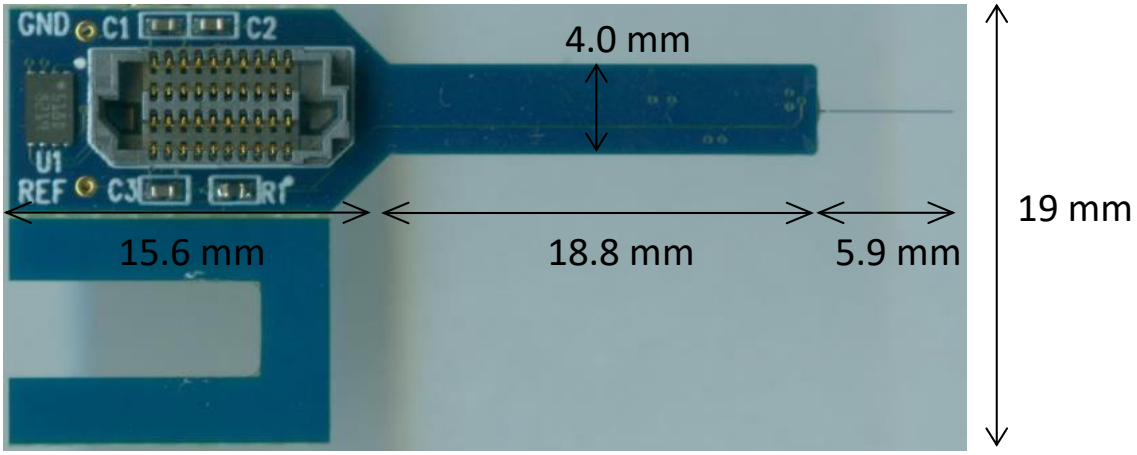
[2] Tip Area + Area on the side of the Pixel active area (L2 x Rw)
[3] Tip Area + Area on the side of the Pixel active area (L2 x Rw) + Area between the most proximal electrode and the probe base (~[L3-L2] x W2)

SiNAPS Probe 1 Shank 256 Pixels Mapping



SiNAPS Probe 1 Shank 256 Pixels Probe Package

1S256 / Model 1
25-06-A-37



Thickness ~ 4.5 mm