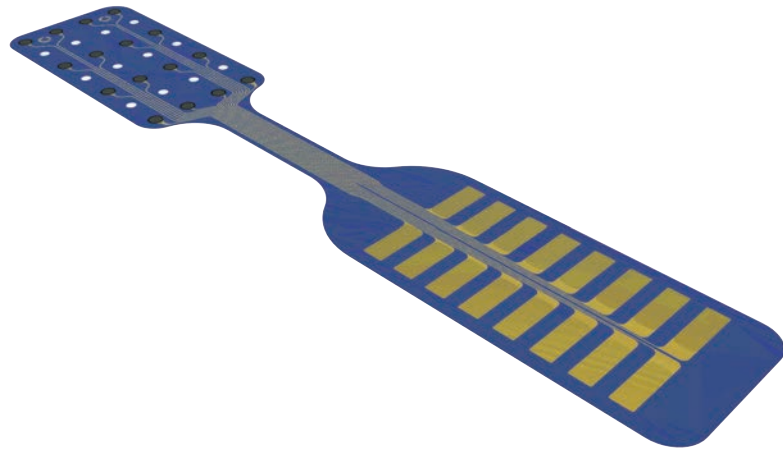
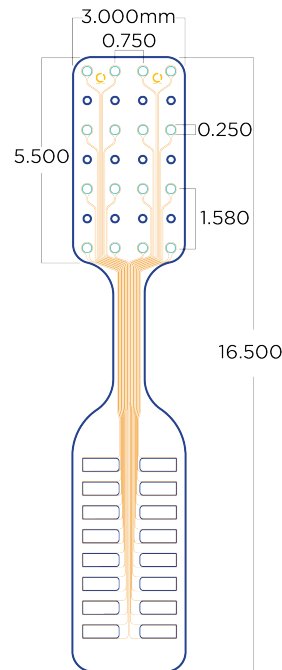


# Epicortical Arrays

Qualia Labs has a variety of epicortical arrays on softening substrates currently under development. The EC-250-16 is designed with 16 electrodes to record neural signals from a 3 mm x 5.50 mm area of the brain.



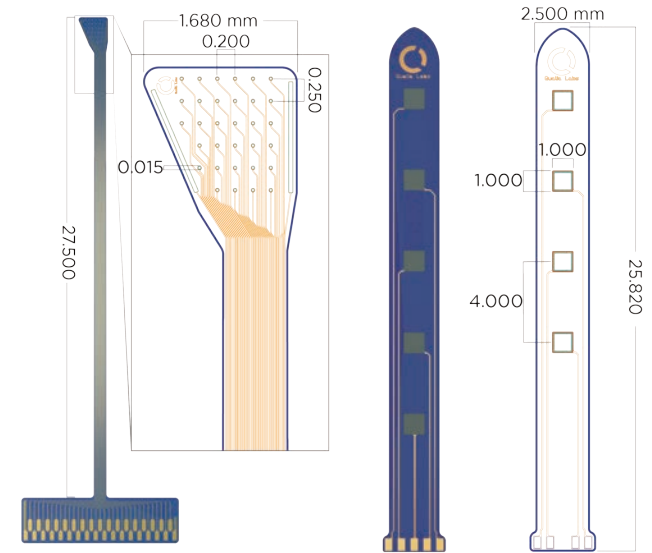
	EC-250-16
Device length	16.500 mm
Device width	3.000 mm
Device thickness	50 ± 5 μm
Electrode diameter	0.250 mm
Electrode area	0.049 mm <sup>2</sup>
Electrode span	3.000 x 5.500 mm
Electrode sites	16
Electrode spacing	0.750, 1.580 mm
Standard electrode material*	TiN
Connector options	Omnetics



\*All device electrodes can be custom-made using TiN, Au, Pt, or SIROF

# Spinal Cord Devices

We are currently working with collaborators to develop a host of spinal cord recorders and stimulators including the SR-30-32 and SS-1000-5.



	SR-30-32	SS-1000-5
Device length	27.500 mm	25.820 mm
Device width	1.676 mm	2.500 mm
Device thickness	30 ± 5 μm	100 ± 5 μm
Electrode size	0.030 mm (diameter) 1.245 mm x 0.045 mm	1.000 mm x 1.000 mm
Electrode area	707 μm <sup>2</sup> 1.000 mm <sup>2</sup>	1.000 mm <sup>2</sup>
Electrode sites	32	5
Electrode spacing	0.200 mm x 0.250 mm	4.000 mm
Standard electrode material*	SIROF	Pt
Connector options	Omnetics	Bare wires, Plastics One, Omnetics

\*All device electrodes can be custom-made using TiN, Au, Pt, or SIROF

CUSTOM / UNDER DEVELOPMENT

CUSTOM / UNDER DEVELOPMENT