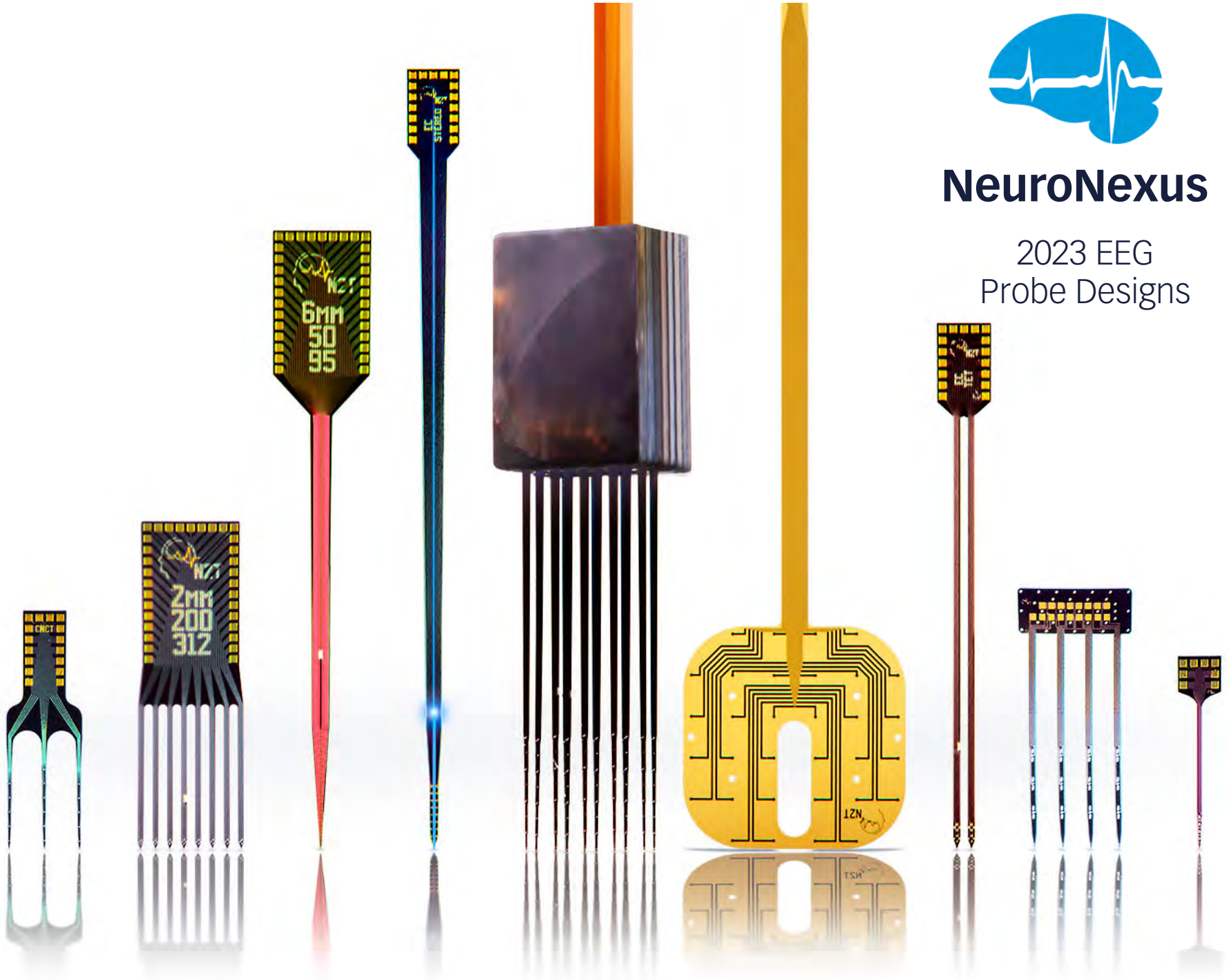
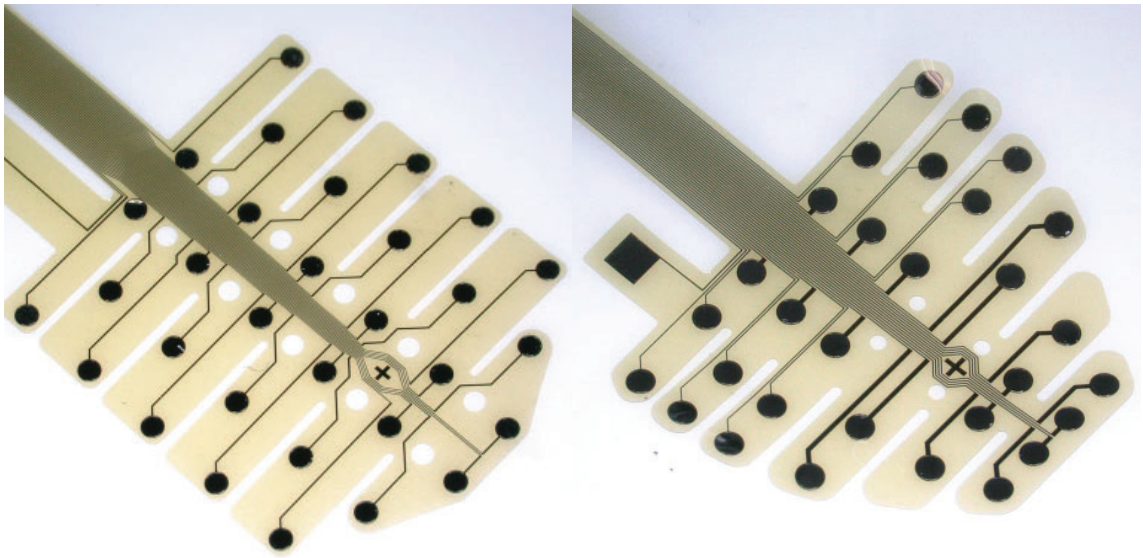
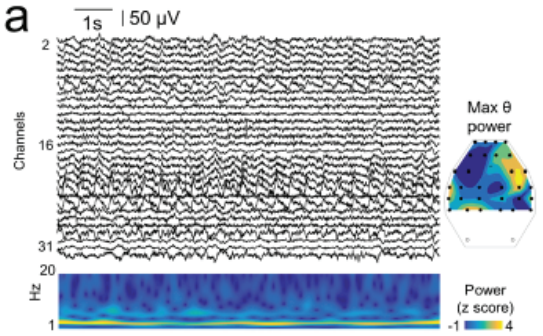


NeuroNexus

2023 EEG Probe Designs

EEG





ABOVE: EEG grids allow assessment natural brain rhythms such as exploratory and REM theta (4-12 Hz) during periods free of epileptiform activities. Image courtesy of Dr. Liset de la Prida, Instituto Cajal - CSIC. https://hippo-circuitlab.com/2017/03/eeg-grids/

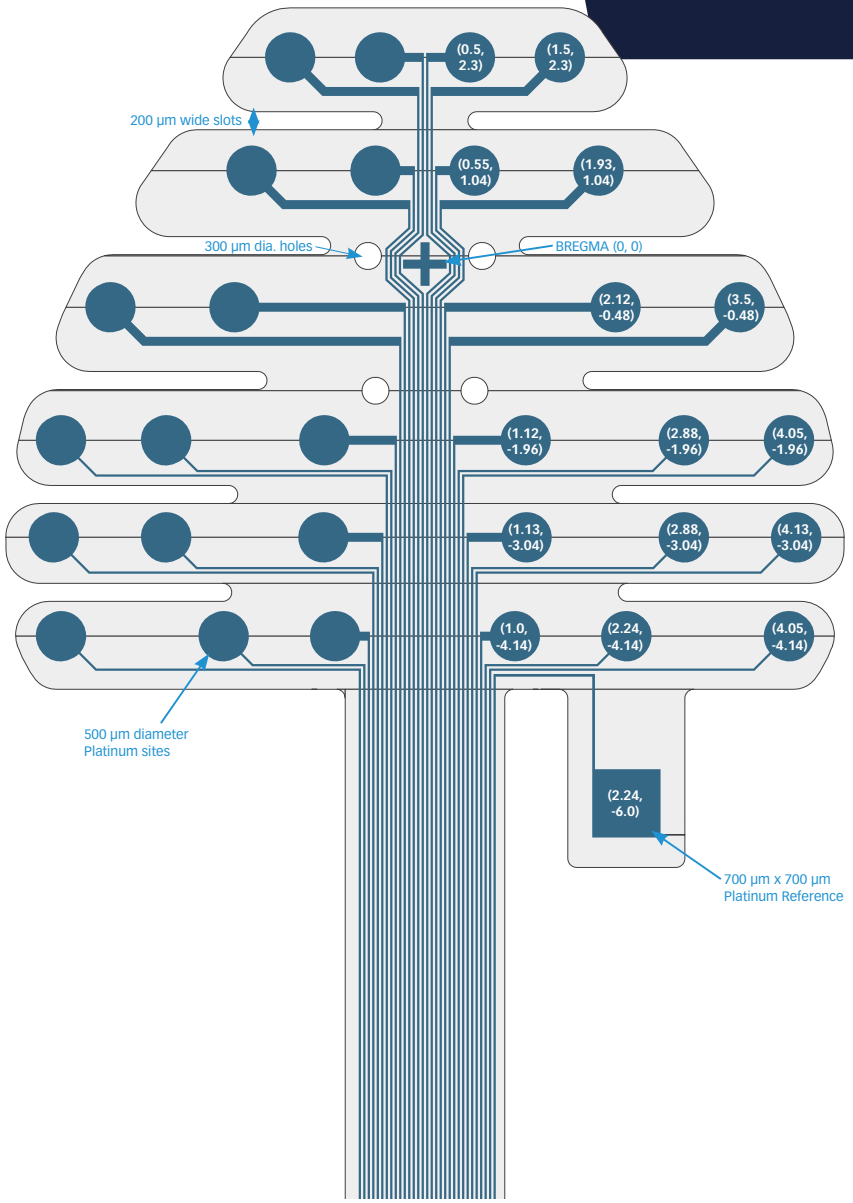
NeuroNexus **EEG probes** are ultra-flexible surface grids optimized for electroencephalography.

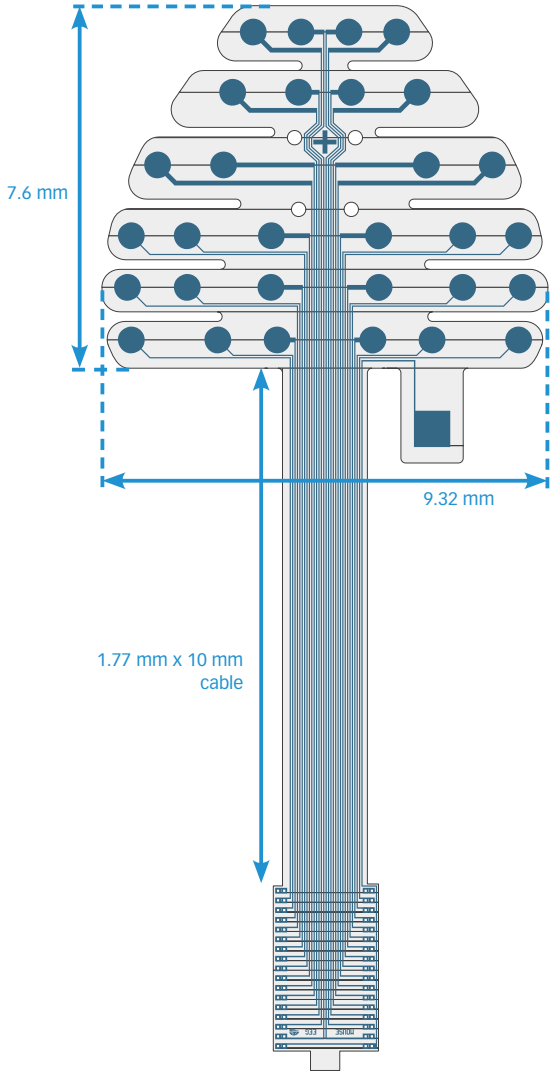
- **Flexible and Durable** – Fabricated with our polymer MEMS technology, our EEG probes easily conform to the skull. Use a drop of water to adhere the probe to the skull.
- **Stabl** – High quality EEG recordings have been obtained over months.
- **Optimized array designs** – Select from a variety of EEG array designs featuring different recording site placements, for different applications or animal models.

SPECIFICATIONS

Substrate Material	Polyimide
Electrode Site Material	Platinum
Array Thickness	15 µm
Cable Length	10 mm
Channel Count	30 (Mouse EEG), 32 (all other designs). Custom options available.
Available Packages	H32, HC32, HZ32 X3-H32

Mouse EEG





available packages

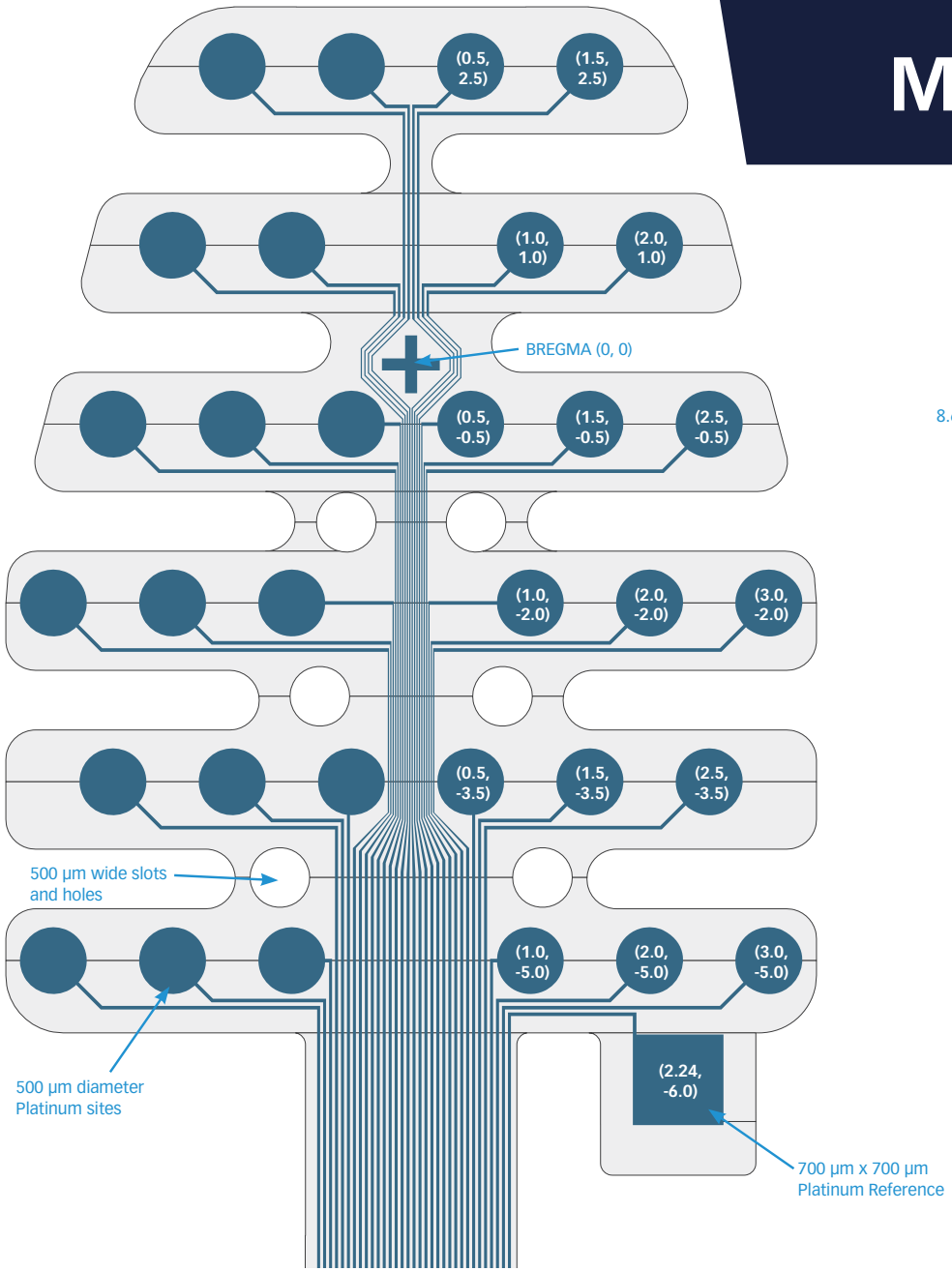
CHRONIC

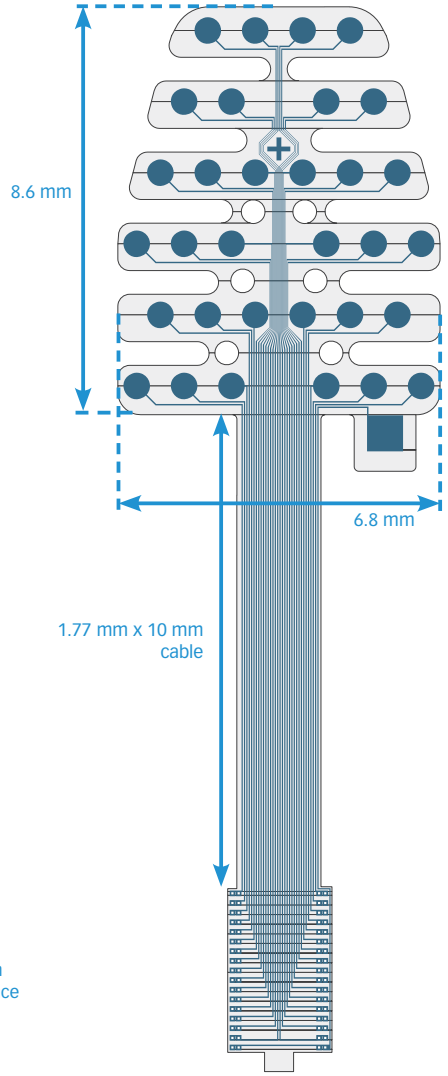
H32
HC32
HZ32
X3-H32

thickness

15 µm

Mouse EEG (Reticular)





available packages

CHRONIC

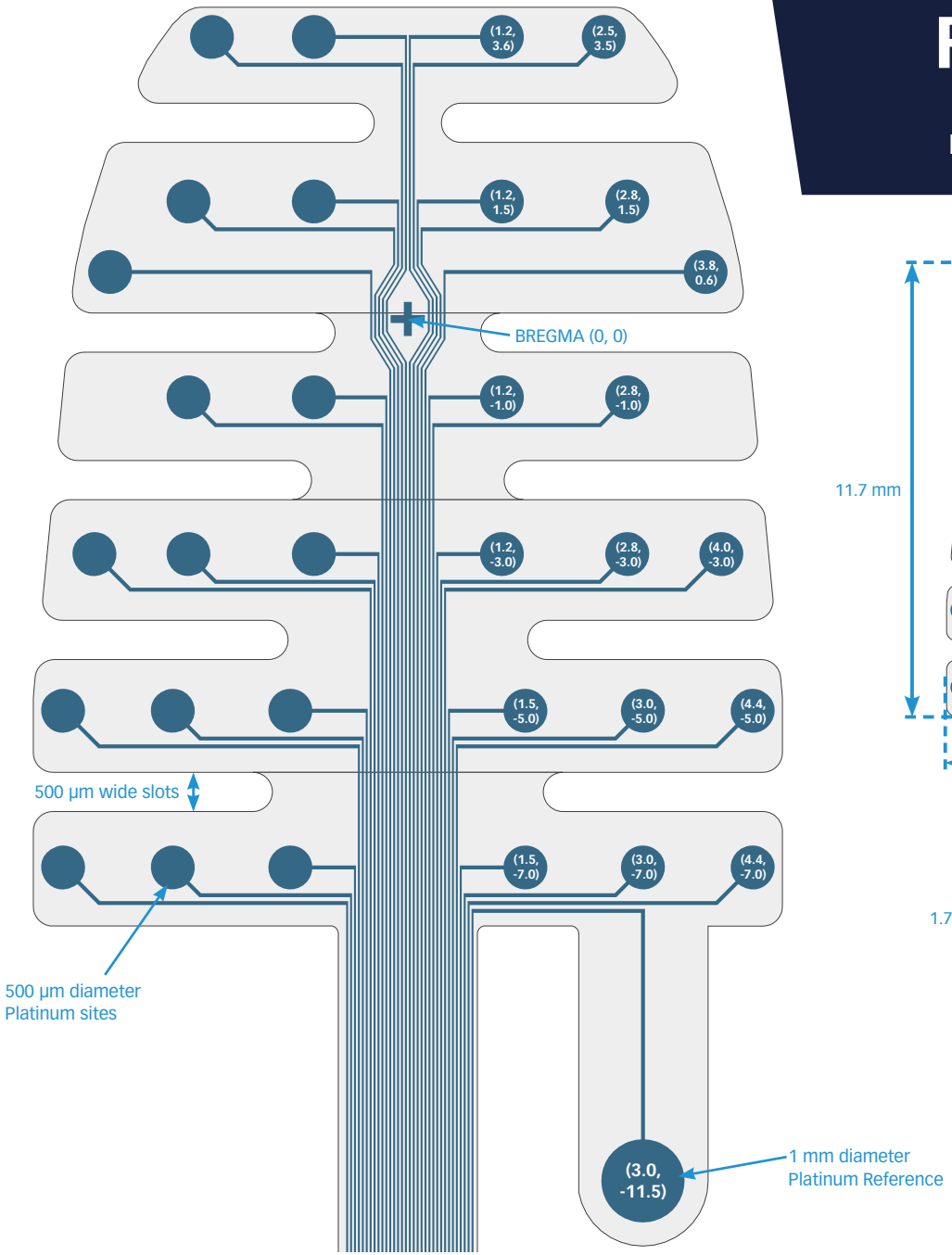
H32
HC32
HZ32
X3-H32

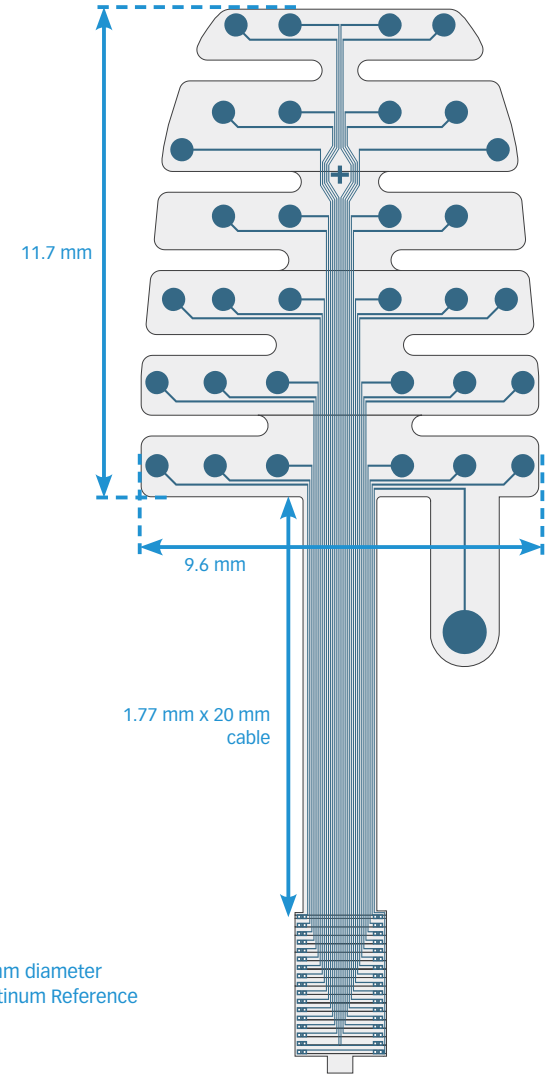
thickness

15 µm

Rat EEG (Functional)

Designed in collaboration with Dr. Anthony Hudetz





available packages

CHRONIC

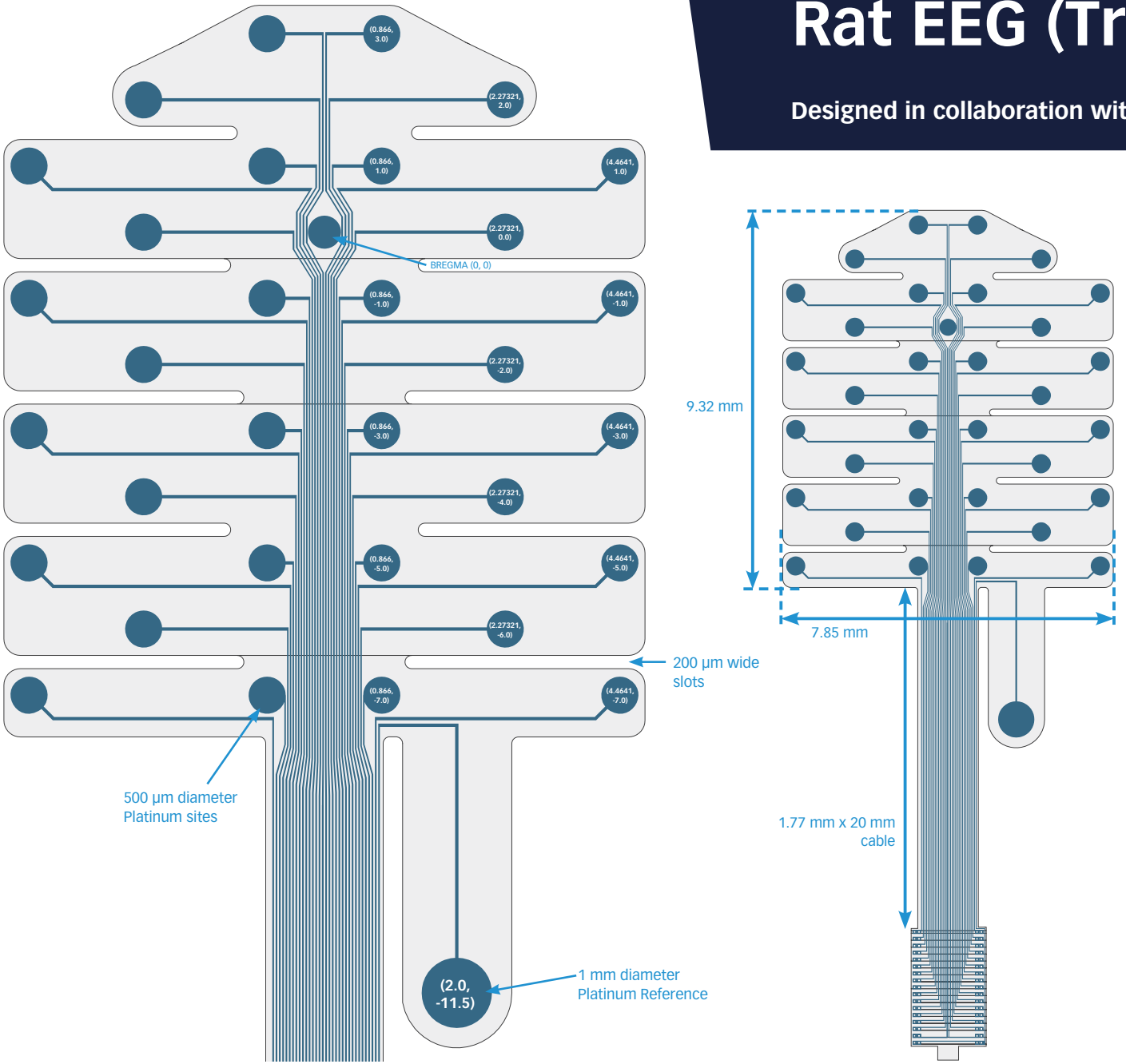
H32
HC32
HZ32
X3-H32

thickness

15 µm

Rat EEG (Triangular)

Designed in collaboration with Dr. Anthony Hudetz



available packages

CHRONIC

H32
HC32
HZ32
X3-H32

thickness

15 µm