



The Electrode Interface Board (EIB-8) is mounted to microdrive hardware and provides the electronic signal connection between electrode wires and an 8 channel Neuralynx Headstage Pre-amplifiers (HS-8). The EIB-8 also provides mechanical connection between microdrive hardware and the HS-8.

The EIB-8 does not contain any active electronics, and can pass signals in either direction. The HS-8 will define the signal direction via its buffer amplifiers.

HS-8 Connection

The HS-8 will only mount to the EIB-8 in one direction. Make sure the mounting post connects to the blacked out pin on the Pin Layout diagram (top right pin).

EIB-8 Mounting

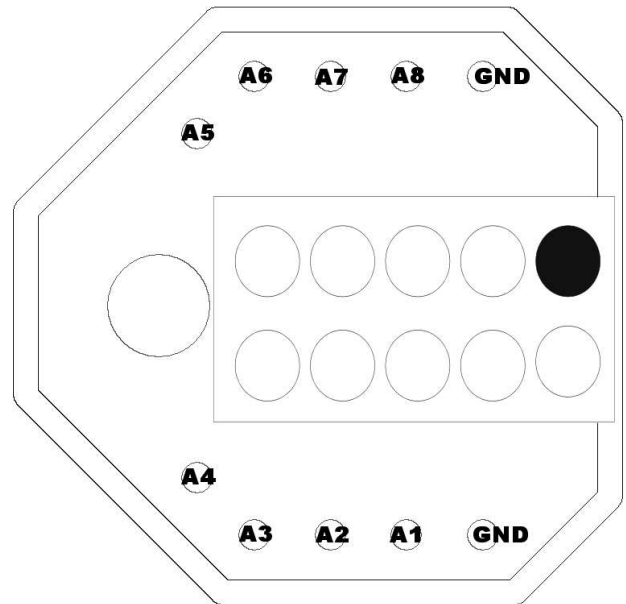
The EIB-8 is designed for mounting on a microdrive. Use the screw holes (left of board) to mount the EIB-8 securely to a microdrive.

Electrode Connection

Electrode wires will be inserted from the bottom of the board. Insulation does not need to be removed from the wire if using Neuralynx EIB Pins. See the *Electrode Attachment Guide* for more information on using EIB Pins. The EIB-8 uses the Small EIB Pins (0.03cm/0.012").

EIB Reuse

Reuse of the EIB-8 is not recommended, but is possible. If reuse of the EIB-8 is required, please contact Neuralynx for assistance.



EIB-8: Pin Layout (Top View)

Technical Specifications:

Size (LxWxH)	0.6cm x 0.6cm x 0.6cm
Weight	90mg
Signals	<ul style="list-style-type: none"> • 8 electrodes • 2 Ground
Connections	<ul style="list-style-type: none"> • 10 0.03cm Vias • Omnetics 9 pin
Mounting Screw Diameter	0.10cm