

### EIB-18

The EIB-18 is an electrode interface board (EIB) that mounts to a microdrive. It provides the electronic signal connection between electrode wires and the HS-18. It contains 4 Tetrodes and 1 Reference.

### HS-18 Connection

One HS-18 connects to the EIB-18. Be sure to align the guide posts on the connectors when attaching the HS-18.

### EIB-18 Mounting

The EIB-18 is designed for mounting on a microdrive. Use the screw holes (top right and bottom left) to mount the EIB-18 securely to a microdrive.

### Electrode Connection

Electrode wires are inserted from the bottom of the EIB. Insulation does not need to be removed from the wire if using EIB Pins provided by Neuralynx. See the Electrode Attachment Guide for more information on using EIB Pins. The EIB-18 uses the Large EIB Pins (0.05cm/0.021").

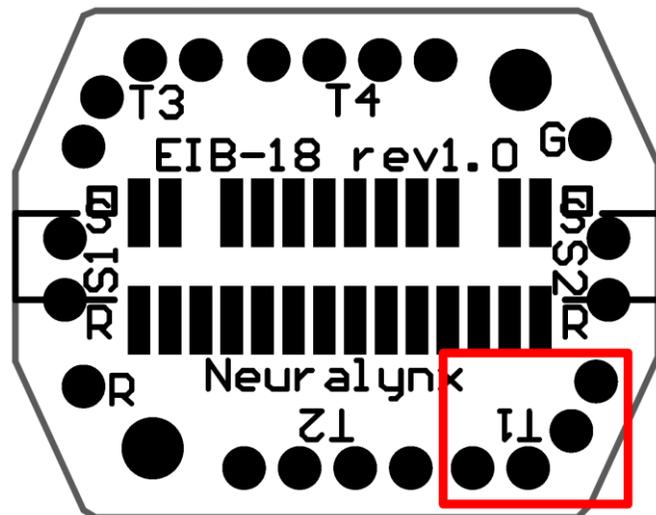
### EIB Reuse

Reuse of the EIB-18 is not recommended, but is possible. If reuse of the EIB is required please contact Neuralynx for assistance.

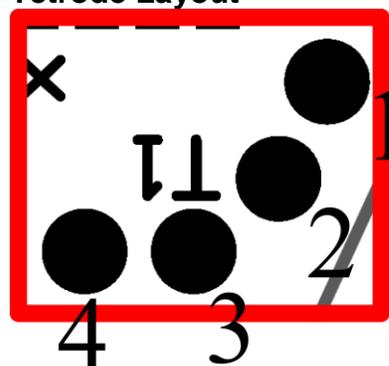
### HS-18

For more information on the HS-18 refer to its Users Manual on the Neuralynx website.

### PC Board Layout



### Tetrode Layout



Each tetrode is laid out according to the diagram to the left.

### Technical Specifications:

|                     |  |
|---------------------|--|
| <b>Size (LxWxH)</b> | 13.2mm x 10.4mm x 5.8mm  |
| <b>Weight</b>       | 340mg  |
| <b>Signals</b>      | <ul style="list-style-type: none"> <li>• 16 Signal Connections</li> <li>• 1 Reference Connection</li> <li>• 1 Ground Connection</li> <li>• 4 Stimulus Connections</li> </ul> |
| <b>Connections</b>  | Input: 0.05cm/0.021" EIB Holes<br>Output: (1) HS-18 Omnetics Connector   |

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