

EIB-36 12TT

The EIB-36-12TT is an electrode interface board (EIB) that mounts to a microdrive. It contains 12 Tetrodes and 2 References.

HS-36 Connection

Two HS-36s connect to the EIB-36-12TT. J1 contains Tetrodes 1-6 and two References. J2 contains Tetrodes 7-12 and two References. Be sure to align the guide posts on the connectors when attaching the HS-36s.

EIB-36-12TT Mounting

The EIB-36-12TT is designed to mount on a microdrive. Use the screw holes (on the right and left) to mount the EIB-36-12TT 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-36-12TT Kopf uses the Small EIB Pins (0.03cm/0.012").

EIB Reuse

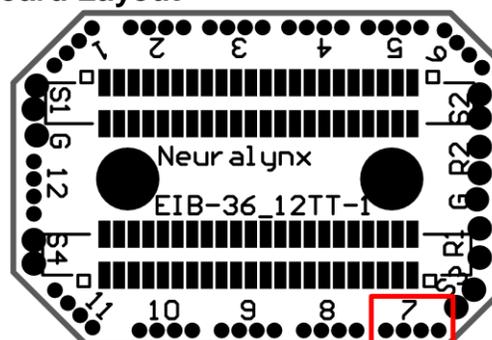
Reuse of the EIB-36-12TT Kopf is not recommended, but is possible. If reuse of the EIB is required please contact Neuralynx for assistance.

HS-36

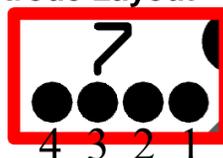
For more information on the HS-36 refer to its Users Manual on the Neuralynx website.

WARNING: If stimulus lines are connected to electrodes, ensure they are not shorted to +5V before turning on the Headstage power. Failure to check this may result in paralysis or death of the test subject

PC Board Layout

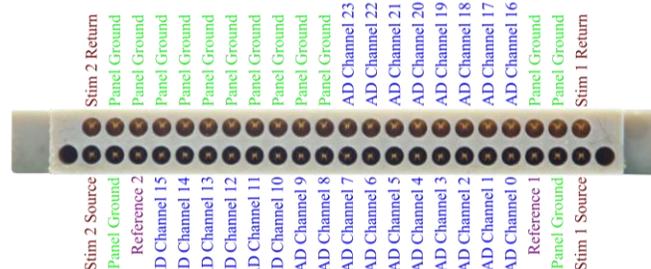


Tetrode Layout

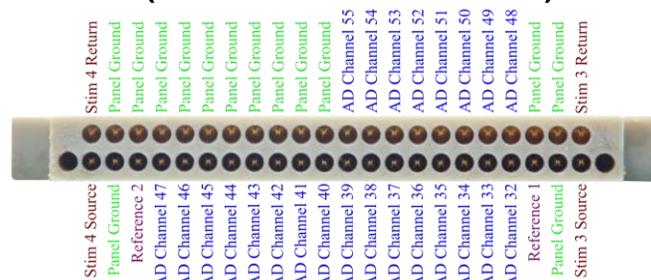


Each tetrode is laid out according to the diagram to the left, when looking at the TT# label right side up.

J1 Pinout (Note Guide Post Location):



J2 Pinout (Note Guide Post Location):



Technical Specifications:

Size (LxWxH)	22mm x 14mm x 0.6mm
Weight	1.1 grams
Signals	<ul style="list-style-type: none"> • 48 Signal Connections • 2 Reference Connections • 2 Ground Connections • 8 Stimulus Connections
Connections	Input: 0.03cm/0.012" EIB Holes Output: (2) HS-36 Omnetics Connectors
Mounting Screw Diameter	0.13cm (1.9 cm from center to center of mounting screws)

