NeuroNexus

WIRING CONFIGURATION

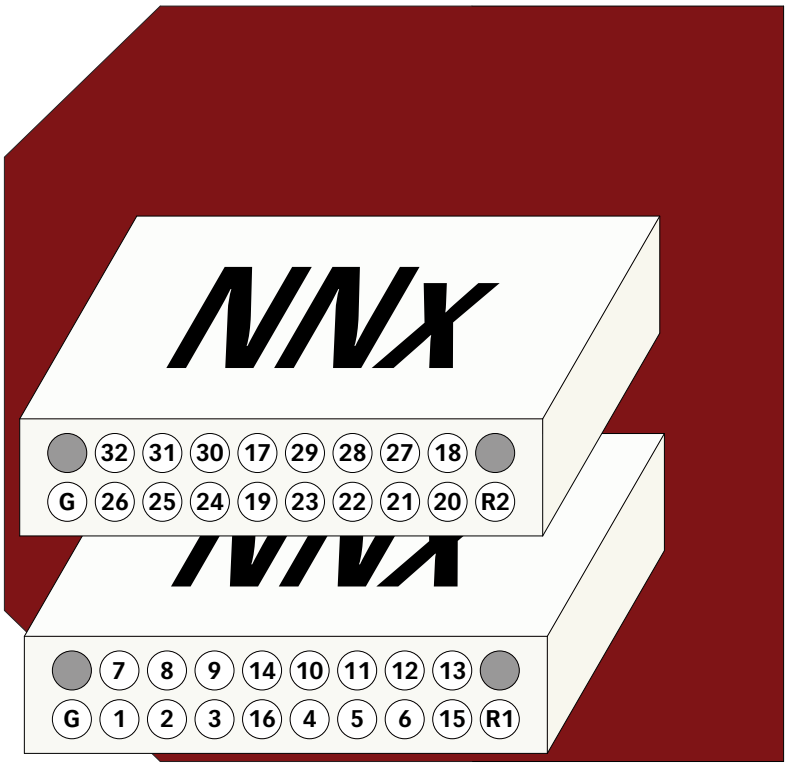
HC32 Package
Updated April 4, 2014

This wiring guide will help you:

1. Identify the exact probe package you are using, and
2. Help you understand and configure the reference channel wiring specific to your package

The HC32 Pin Out diagram below applies for all wiring configurations. You will need to turn back to this page to check the reference channel locations.

NOTE: H32 ECoG probes utilize a different pin out map, but the reference pin out locations and configurations are the same.



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HC32 Package
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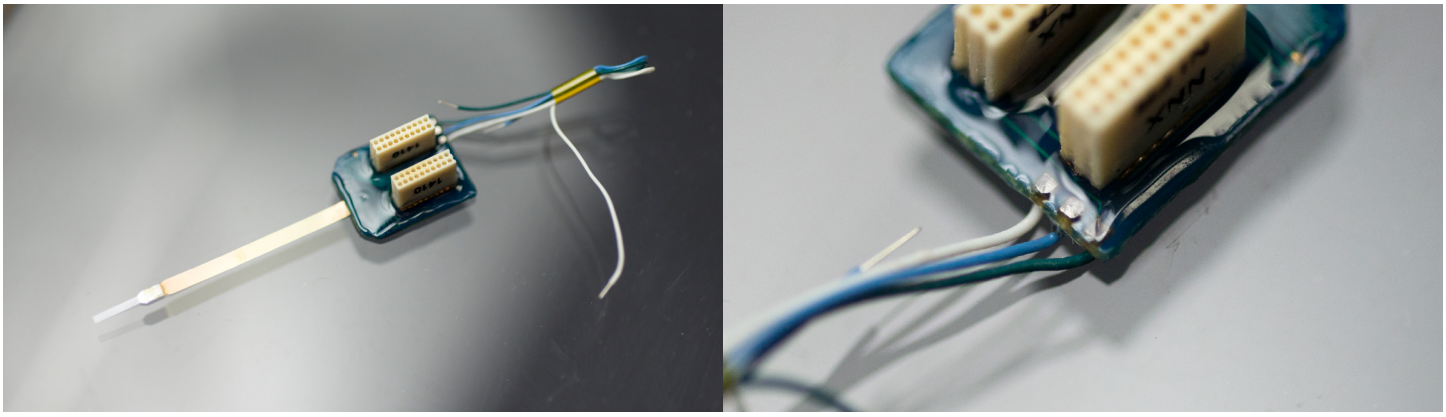
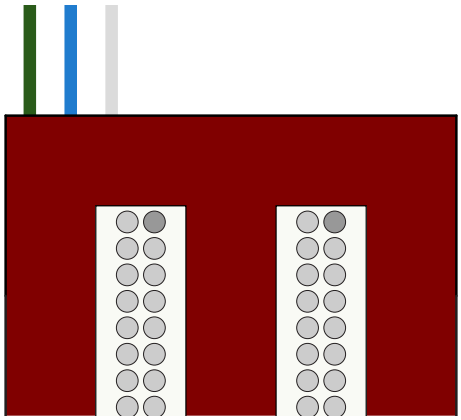
Reference Channel Configuration (Gen. 4)





The HC32 Gen. 4 package has 3 colored insulated wires. The Ground wire is green. The blue wire is connected to channels R1 and R2 (see pin out diagram), and the white wire is connected to the probe reference site. **Please read fully before making your desired changes - it may not be possible to reconnect the wire loops once they have been cut.**

NeuroNexus recommends taking one of three possible reference configuration options. **You must choose one option (see below) and act accordingly or a ground loop may form.**

If your probe has a Probe Reference site, and you want to use it, take **only one** of the following two actions:

1. **EITHER** tie the blue and white wires together to feed the probe reference into channels R1 and R2,
2. **OR** connect the white wire to the reference port on your headstage (if it has one). Cut the blue wire. The probe reference now feeds into the reference channel on the headstage.

To use only an external reference, follow these instructions:

1. Cut the white wire
2. Connect the blue wire to your external reference source. The external reference will feed into channels R1 and R2.

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