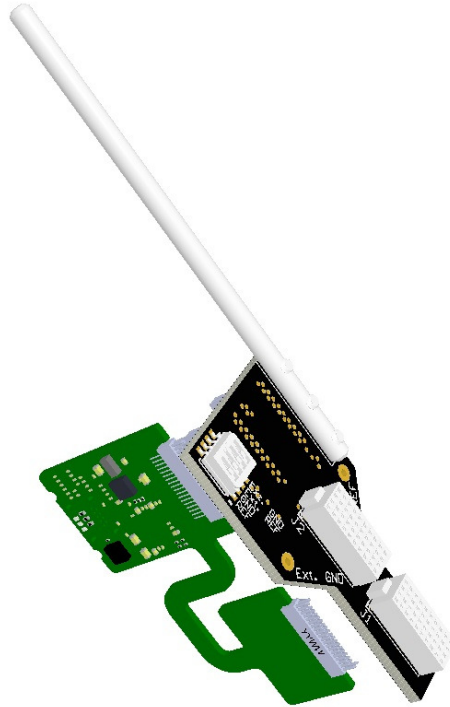


# Blackrock's Omnetics NeuroNexus A64 Adapter

PN-8687



## Blackrock Microsystems, LLC

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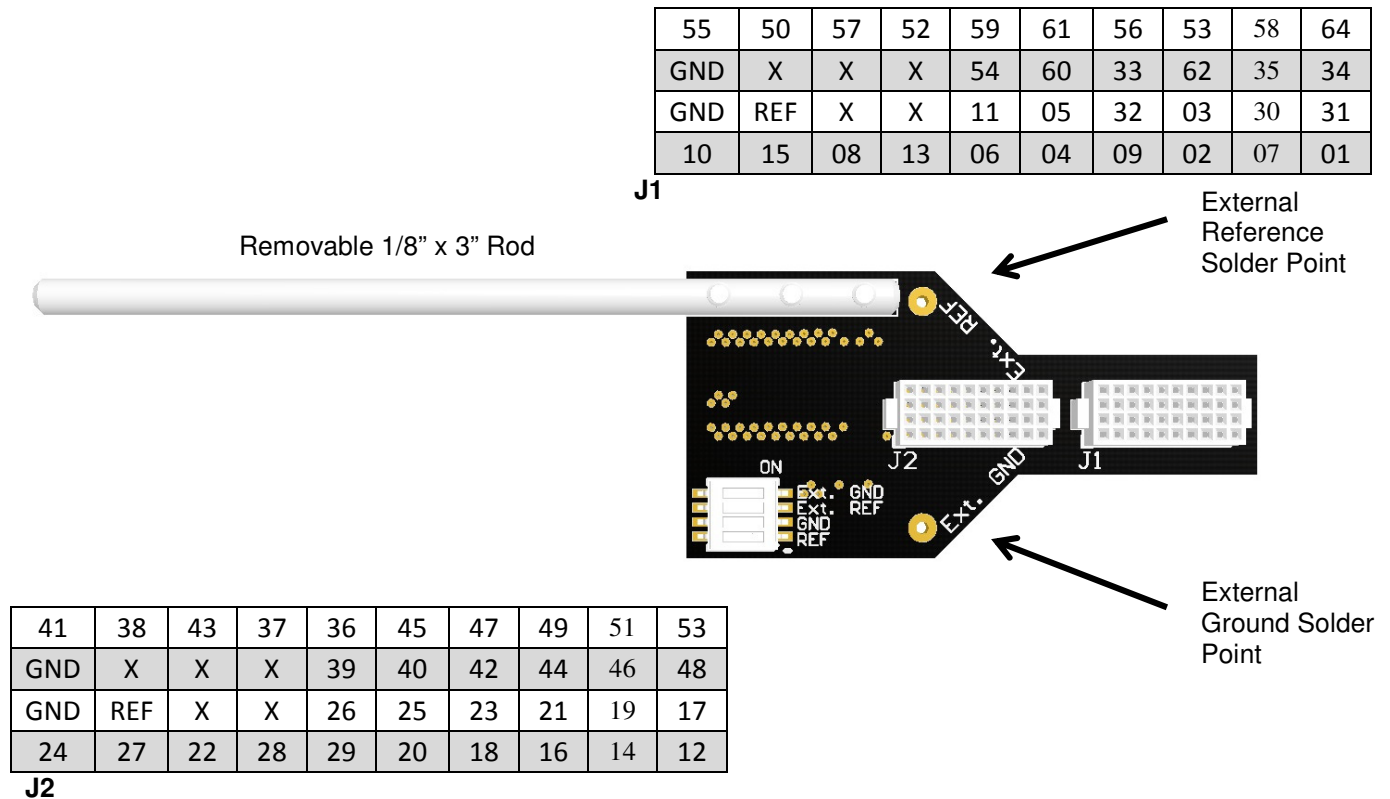
[www.blackrockmicro.com](http://www.blackrockmicro.com)  
[support@blackrockmicro.com](mailto:support@blackrockmicro.com)

# 1 Introduction

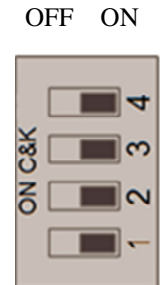
This assembly acts as an adapter between NeuroNexus A64 (Rev 3\* or 4) probes and Blackrock's Omnetics Headstages used for neural signal transmission. The Omnetics NeuroNexus A64 adapter has a 3" rod that is removable for use with any stereo tax arm that can support a 1/8" (3.175mm) diameter rod. The A64 Adapter also has two solder points for external reference or ground points with a switch to adjust referencing with the headstage.

# 2 Hardware

## 2.1 Blackrock Omnetics NeuroNexus A64 Adapter PN-8687 Top View



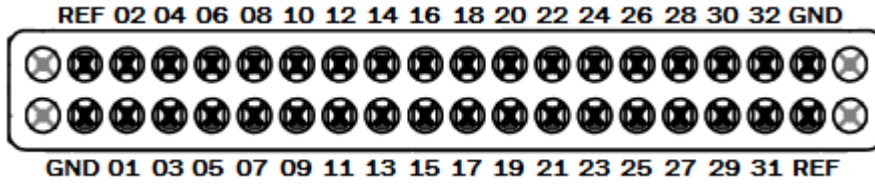
- Position 4 ON:** Selects reference from External Ground Solder Point\*\*
- Position 3 ON:** Selects reference from External Reference Solder Point
- Position 2 ON:** Selects reference from GND on Samtec Connector
- Position 1 ON:** Selects reference from REF on Samtec Connector



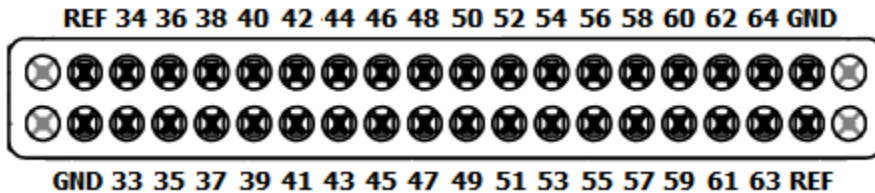
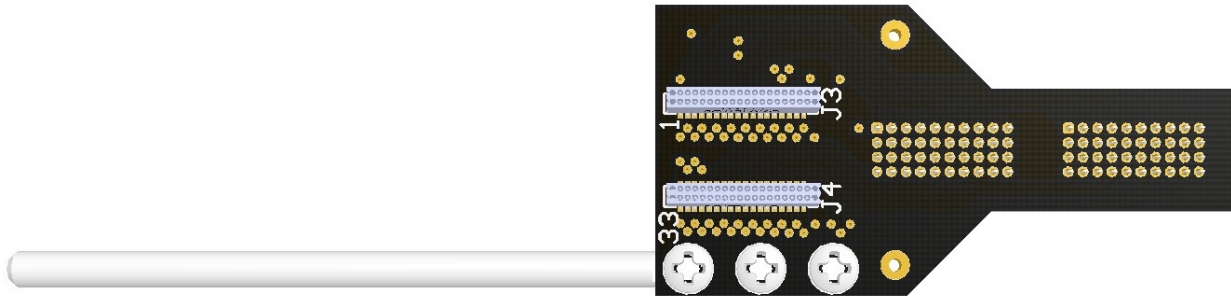
\*Please note that if using revision 3 of the NeuroNexus A64 Probe, a map file will be required in order for the channels on the NeuroNexus A64 Adapter to map correctly in Central.

\*\*Only one position should be ON for each reference selection switch

2.2 Bottom View



DATE CODE



DATE CODE

## 3 Warranty

Blackrock Microsystems warrants that its products are free from defects in materials and manufacturing for a period of one year from the date of shipment. Blackrock will, at its option, repair or replace any product that does not comply with this warranty. This warranty is voided by:

1. Any modification or attempted modification to the product done by anyone other than an authorized Blackrock employee
2. Any abuse, negligent handling or misapplication of the product.

This constitutes the sole warranty made by Blackrock. There are no other warranties, expressed or implied, which extend beyond those described herein or to anyone other than the original purchaser, including the implied warranties of merchantability and fitness for a particular purpose. In no event shall Blackrock Microsystems, be liable for any incidental or consequential damages, or for the infringement of any patent rights or third party rights due to the use of its products.

### 3.1 Return Merchandise Authorization (RMA)

In the unlikely event that your adapter needs to be returned to Blackrock for repair or maintenance, do not send any equipment back without a Return Merchandise Authorization Number. An RMA number will be issued to you by a Blackrock representative. If you need to obtain an RMA number, you may contact a product support representative at (801) 582-5533 or toll free at (866) 806-3692.

Once an RMA number has been issued, it is important to safely pack the returned item for shipping back to Blackrock. It is preferred that you save the original boxes and packing materials that your system arrived in for return shipment. Please address the package as follows:

**Blackrock Microsystems**  
**ATTN: RMA#**  
**630 Komas Drive, Suite 200**  
**Salt Lake City, UT 84108 USA**  
**Tel: (801) 582-5533**