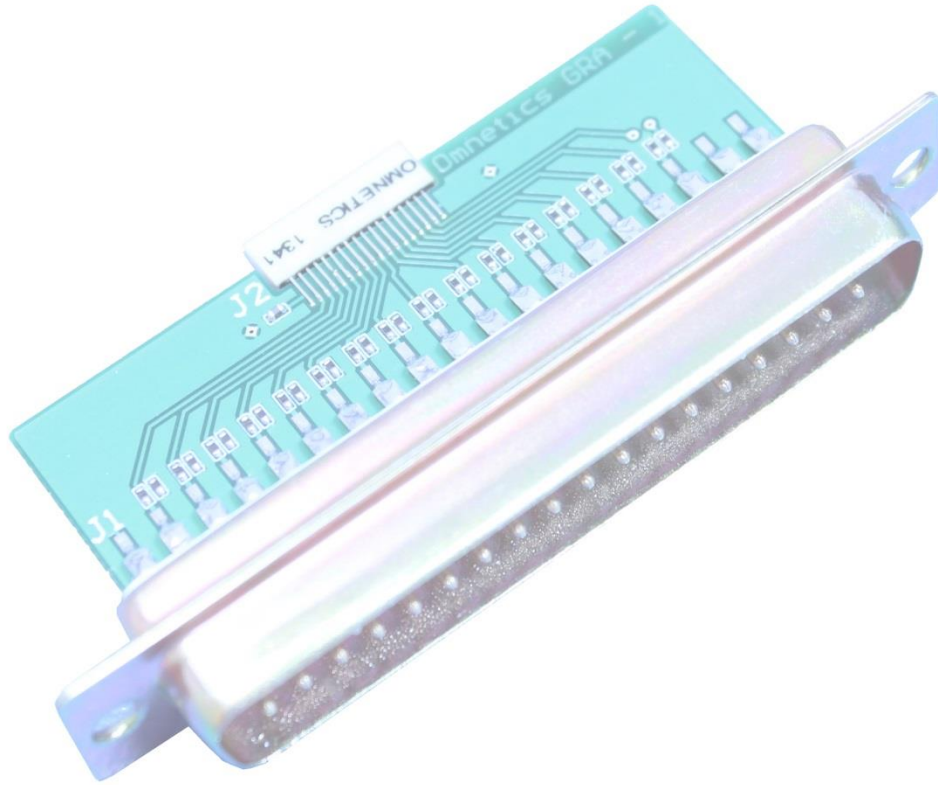


# Blackrock 31-Ch TBSI to Omnetics Adapter

*PN-8555*



## **Blackrock Microsystems, Inc.**

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# 31-Ch TBSI to Omnetics Adapter

## 1 System Overview

The 31-Ch TBSI to Omnetics Adapter provides an interface between TBSI 31-ch Wireless W32 Receiver and a Blackrock Cereplex M 32-Channel Headstage. The headstage provides 32 channels for recording distortion-free spikes and local field potentials from high impedance microelectrodes. The headstage provides an isolated low-impedance output that guarantees signal integrity, minimizes noise pickup by cables and ensures maximum common-mode noise rejection by the Cerebus system front-end amplifier. The Adapter has a built in 1/20x reduction.

\*This adapter is for animal research only!

## 2 Hardware

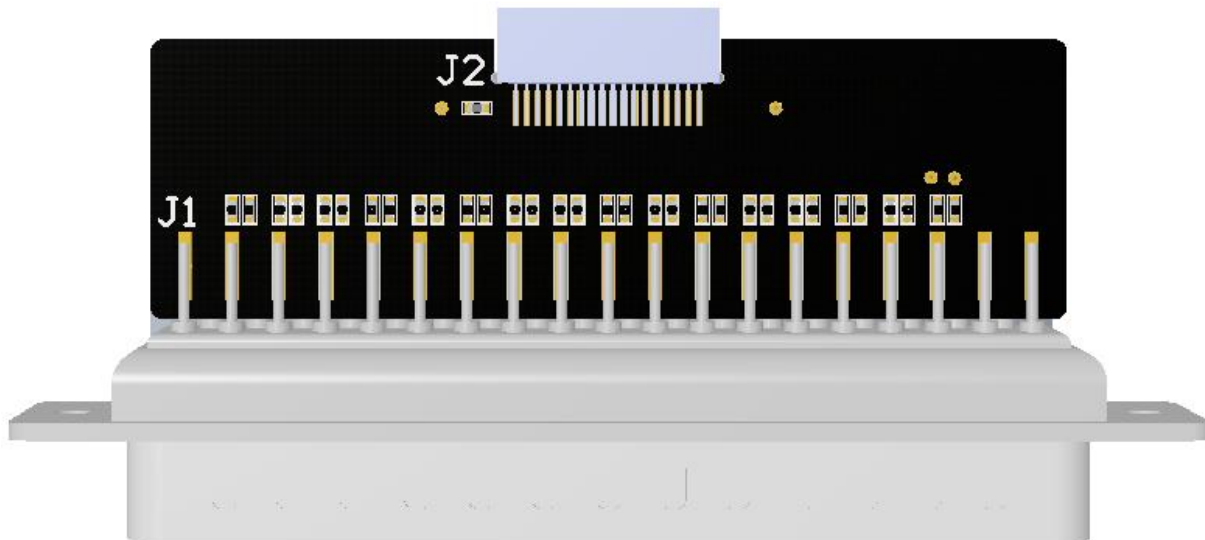
### 2.1 Blackrock Adapter Pin-Out

GND 01 03 05 07 09 11 13 15 17 19 21 23 25 27 29 31 GND

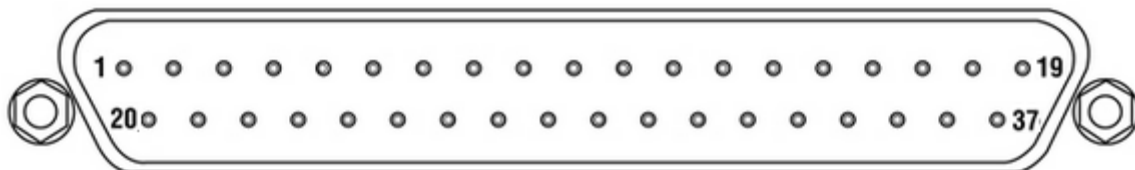


GND 02 04 06 08 10 12 14 16 18 20 22 24 26 28 30 X GND

DATE CODE



GND 02 04 06 08 10 12 14 16 18 20 22 24 26 28 30 31 X X



01 03 05 07 09 11 13 15 17 19 21 23 25 27 29 X GND X

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## 3 Warranty

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