

# Blackrock 64-Channel SR Splitter Box

PN-9171



**CAUTION--Investigational device. Limited by  
Federal (or United States) law to  
investigational use.**


## Blackrock Microsystems, LLC

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# 1 Introduction

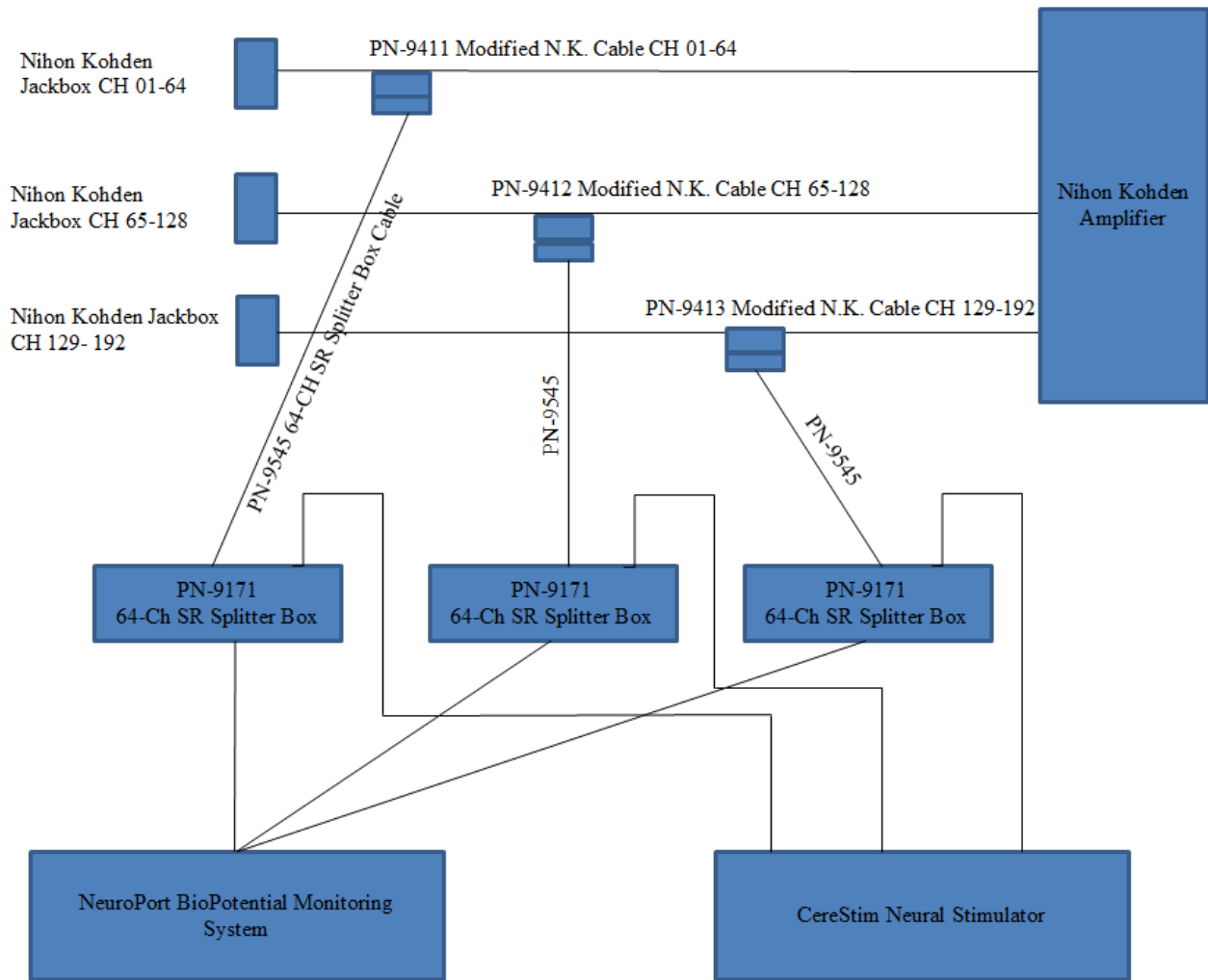
The 64-Channel SR Splitter Box is designed to allow simultaneous connection of the Blackrock NeuroPort BioPotential Monitoring System and The CereStim Neural Stimulator System with a Nihon Kohden recording systems to EEG and ECoG electrodes.

	IEC60101-0102	Danger of Electrostatic Discharge (ESD)
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- In order to reduce the likelihood of ESD, use antistatic or electrostatic discharge (ESD) safe gloves when connecting the Adapter.

# 2 System Overview

A system level connection diagram for all of the components in the systems is shown in the figure below



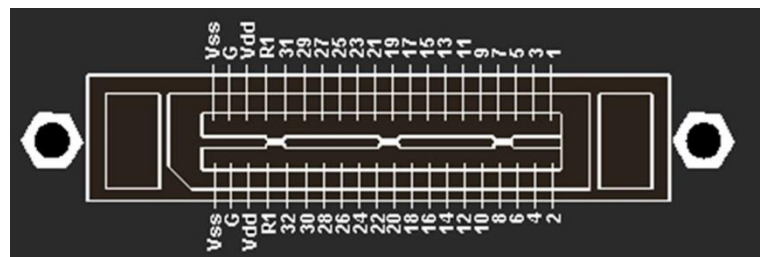
### 3 Hardware

(1) DB-44 Connectors Pin-Outs

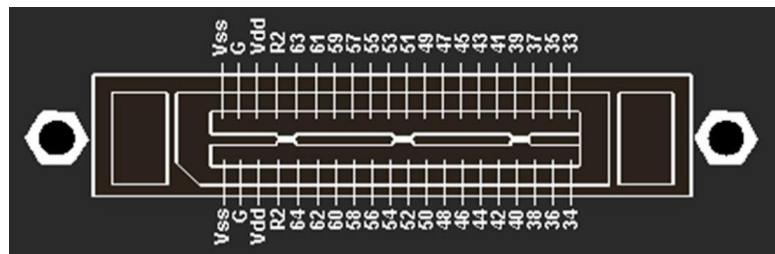


G = Ground  
R = Reference  
NA= Not Applicable

(2) Samtec Connectors Pin-Outs



Ch 01-32 Pinout



Ch 33-64 Pinout

## 4 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.

### 4.1 Return Merchandise Authorization (RMA)

In the unlikely event that your 64-Channel SR Splitter Box 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: +1 (801) 582-5533**