



# Switch & Break-Out Boxes

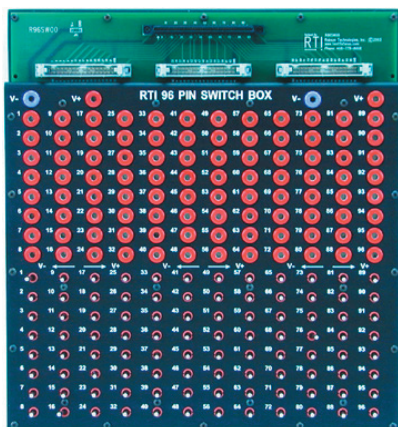
## PRODUCT DATA SHEET

### OVERVIEW

RTI manufactures both standard and custom switch and break-out boxes. Our most popular standard boxes are 32 and 96 channels. Both are designed using PCB technology (no discrete wiring) and use high-performance sealed C&K switches. RTI also provides custom switch and break-out boxes designed to meet the specific requirements of our customers.

### RTI-5100-096 SWITCH AND BREAK-OUT BOXES

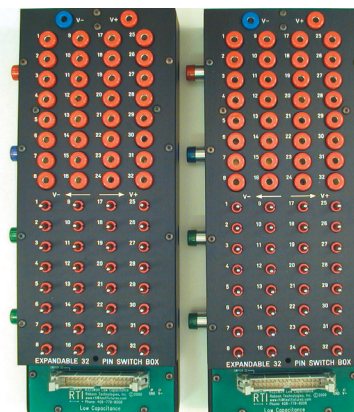
- Only high-quality sealed C&K switches are used to enable each signal to float, or be tied to V+ or V-
- Interface to test fixtures is through 100-pin Yamaichi Connectors
- PCB technology is used for all interconnects to assure high reliability
- Standard banana jacks are provided for connection to each signal line. Binding posts can be ordered as an option
- Numbered overlays are available for switch numbering of ganged units (e.g., 97 through 192, 193 through 288, etc.). Custom overlays are also available for BGA and PGA devices for number-letter pin designations
- Size: 10.2 inches x 11.0 inches x 2.0 inches



### RTI-5100-032 SWITCH AND BREAK-OUT BOXES

The 5100-032 has the same features as the 96-channel except:

- The interface is through a standard 100-mil, dual-row, 34-pin header with pins 1 and 34 floating or tied to ground through jumpers
- The 32-pin switch boxes can be ganged to make larger units. V+, V-, and earth ground are connected with banana jacks on the side of each switch box



### RTI-5100-096 A/B RELAY BOX

- Uses dry reed relays with a switching capacity of 0.25 amps and a current carrying capacity of 1.2 amps
- Boxes can plug directly into the RTI-5100-096 Switch Box
- Size: 10.2 inches x 5.0 inches x 2.0 inches
- A 5 VDC lab supply is required for operation

### CUSTOM SWITCH BOXES

RTI has provided many different kinds of custom switch boxes with the following features:

- Slide switches for multiple-channel selections
- Boxes with built-in test sockets (Example: zero-insertion-force PGA sockets)
- Relays for channel selection