



# PCCextend 135

## Externally Powered CardBus Extender Card

### Overview

The PCCextend 135 is a CardBus to CardBus PC Card extender specifically designed to allow an external power source to power the card under test. Designed for use in test and development environment for accurate current measurements the PCCextend 135 can also be used for voltage margin testing. Low on-resistance MOSFET devices switch external VCC, VPP1 and VPP2 supplies to the card-under-test.

The PCCextend 135 was designed with the engineer and technician in mind. Thoughtfully placed grounding posts provide a convenient place to ground a scope probe or logic analyzer. Screw terminals or 0.1" headers can be used to connect the external power supply(s). Dual LEDs indicate if the Vcc is at 3.3V or 5V. The LEDs can also be disabled via a jumper block for accurate current measurements. SMT resistor pads on each signal allow the user to isolate any signal or insert series resistors to clean up troublesome signals.

All too often extender cards are the source of many signal integrity problems and the PCCextend 135 is designed to minimize the signal degradation by using proven design techniques. Using a 6-layer board allows all signals to be buried between two ground planes. Separate VCC and ground planes provide a low inductance path to the host socket. High frequency X7R and a bulk tantalum capacitor keep the Vcc supply rail clean.

The PCCextend 135 is construct of high quality materials for long service life. Its sonic welded case provides superior rigidity for maximum insertion/removal life. AMP connectors offer a minimum of 10,000 insertion removal cycles for both the host and card side connectors.



### Key Features

- Uses external power supply for accurate current measurements
- Can be used for voltage margin testing
- 6-layer board design for low noise operation
- Compatible with Type I, II and III CardBus PC Cards
- Works in Type I, II and III CardBus hosts
- Low on-resistance MOSFET switches for Vcc, Vpp1 and Vpp2
- LEDs indicate 3.3V or 5V Vcc
- Ground test point for external test equipment
- Quality AMP sockets for long service life
- Screw terminals interface to external power supply

### Mechanical Specifications

Width	2.45"	Weight	1.9 oz
Length	6.52"	Max Thickness	0.36" Max

### Order Number:

PCCextend 135

### Description

Externally Powered  
CardBus Extender Card

*PCCextend 135 is a trademark of Sycard Technology  
SYCARD is a registered trademark of SYCARD TECHNOLOGY*