



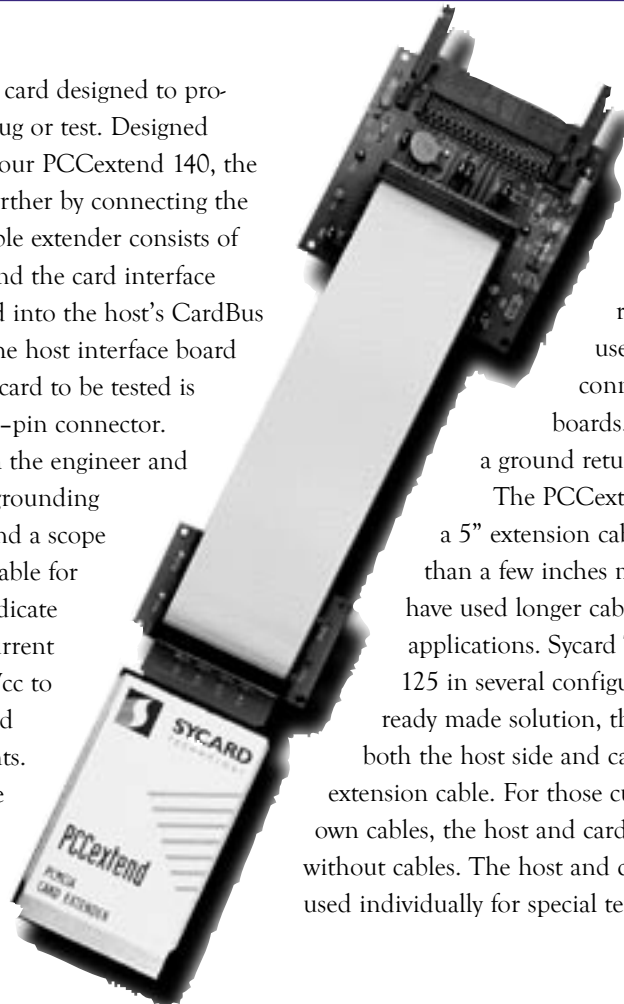
PCCextend 125

CardBus Flexible Extender

Overview

The PCCextend 125 is a flexible extender card designed to provide easy access to a CardBus card for debug or test. Designed with the same low noise characteristics of our PCCextend 140, the PCCextend 125 takes this design a step further by connecting the host and card via ribbon cables. The flexible extender consists of two PC boards, the host interface board and the card interface board. The host interface board is inserted into the host's CardBus slot. Four 34-pin ribbon cables connect the host interface board to the card interface board. The CardBus card to be tested is inserted into the card interface board's 68-pin connector.

The PCCextend 125 was designed with the engineer and technician in mind. Thoughtfully placed grounding posts provided a convenient place to ground a scope probe or analyzer. Vcc test points are available for easy voltage measurements. Dual LEDs indicate if the Vcc is at 3.3V or 5V. A resettable current protection device protects the host from Vcc to ground shorts. Jumpers can isolate Vcc and Vpp supplies for easy current measurements. All too often extender cards are the source of many signal integrity problems. The PCCextend 125 is designed to minimize the signal degradation by using



proven design techniques. Separate Vcc and Ground planes provide a low inductance path to the host socket. High frequency X7R and bulk tantalum capacitors keep supply rails clean. The PCCextend 125 uses four 34-pin ribbon cables to connect the host and card interface boards. This insures that each signal has a ground return.

The PCCextend 125 comes standard with a 5" extension cable. Although distances greater than a few inches may effect the signal integrity, we have used longer cable lengths successfully in several applications. Sycard Technology offers the PCCextend 125 in several configurations. For those that need a ready made solution, the PCCextend 125 comes with both the host side and card side boards along with a 5" extension cable. For those customers that wish to make their own cables, the host and card interface boards can be ordered without cables. The host and card interface boards can also be used individually for special test and development needs.

Key Features

- ◆ Multi-layer board design
- ◆ 5" of flexible extension
- ◆ Compatible with Type I, II, III and IV cards
- ◆ Works in type I, II, III and IV slots
- ◆ Over-current protection
- ◆ LEDs indicate 3.3V or 5V Vcc
- ◆ Vcc and Ground test points
- ◆ Quality AMP sockets for long service life
- ◆ Vcc and Vpp current measurement jumpers
- ◆ Host and Card interfaces available separately

Mechanical Specifications

PCCextend 125

Width	3.00"	Length	12.6"
Max Thickness	0.8"	Weight	5.3 oz

PCCextend 125 Host Interface Board

Width	2.45"	Length	5.34"
Max Thickness	0.45"	Weight	1.6 oz

PCCextend 125 Card Interface Board

Width	3.00"	Length	3.55"
Max Thickness	0.45"	Weight	1.4 oz

Order Number

PCCextend 125

125HIB

125CIB

12XCBL-5

Description

CardBus Flexible extender with 5" cable extension. (Includes one host interface board and one card interface board).

PCCextend 125 host interface board (A150542-3)

PCCextend 125 card interface board (A150543-3)

PCCextend 125 5" cable set (A150543-3)



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PRODUCT BRIEF

PCCextend 125

CardBus Flexible Extender

continued from reverse



PCCextend 125 Host Interface Board (A150542-3)
Order Number-125HIB



PCCextend 125 Card Interface Board (A150542-3)
Order Number-125CIB

PCCextend 125 5" Cable Set (A150542-3)
Order Number-12XCBL-5

Please visit our website:
<http://www.sycard.com>