



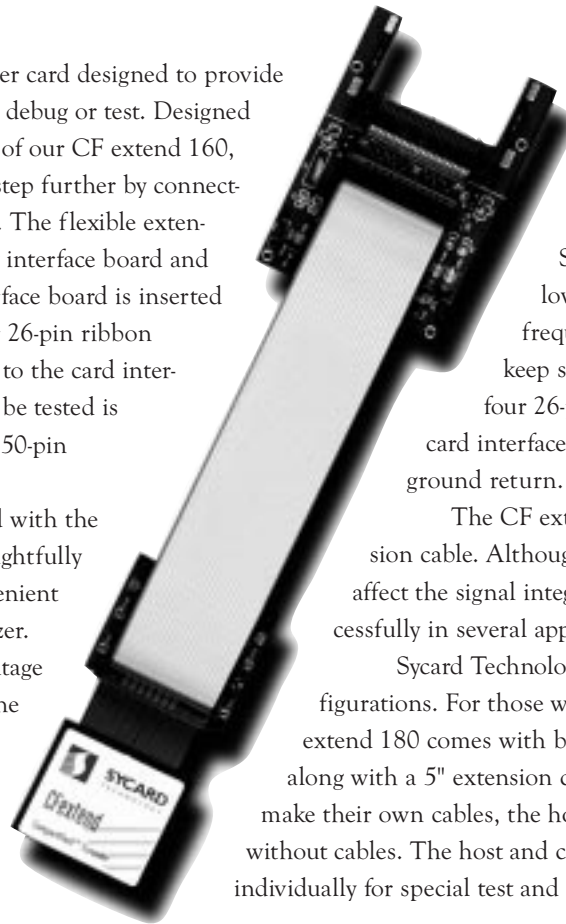
# CF extend 180

## CompactFlash™ Flexible Extender

### Overview

The CF extend 180 is a flexible extender card designed to provide easy access to a CompactFlash Card for debug or test. Designed with the same low noise characteristics of our CF extend 160, the CF extend 180 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 CompactFlash slot. Four 26-pin ribbon cables connect the host interface board to the card interface board. The CompactFlash Card to be tested is inserted into the card interface board's 50-pin CompactFlash connector.

The CF extend 180 was designed with the engineer and technician in mind. Thoughtfully placed grounding posts provide 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 the Vcc supply for easy current measurements.



All too often extender cards are the source of many signal integrity problems. The CF extend 180 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 CF extend 180 uses four 26-pin ribbon cables to connect the host and card interface boards. This insures that each signal has a ground return.

The CF extend 180 comes standard with a 5" extension cable. Although distances greater than a few inches may affect the signal integrity, we have used longer cable lengths successfully in several applications.

Sycard Technology offers the CF extend 180 in several configurations. For those who need a ready-made solution, the CF extend 180 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 and II cards
- ◆ Works in any CompactFlash slot
- ◆ Host and Card interfaces available separately
- ◆ LEDs indicate 3.3V or 5V Vcc
- ◆ Vcc and ground test points
- ◆ Multiple layer design
- ◆ Vcc current measurement jumper
- ◆ Over-current protection

### Mechanical Specifications

#### CF extend 180

Width	3.00"	Length	10.5"
Max Thickness	0.8"	Weight	3.6 oz

#### CF extend 180 Host Interface Board

Width	1.8"	Length	3.6"
Max Thickness	0.45"	Weight	.8 oz

#### CF extend 180 Card Interface Board

Width	2.3"	Length	3.25"
Max Thickness	0.45"	Weight	0.9 oz

### Order Number

CF extend 180

180HIB

180CIB

18XCBL-5

### Description

CompactFlash flexible extender with 5" cable extension. (Includes one host interface board, and one card interface board).

CF extend 180 host interface board (A150046-3)

CF extend 180 card interface board (A150047-3)

CF extend 180 5" Cable Set (A140015-1)

*CompactFlash™ is a trademark of the CompactFlash Association*



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TECHNOLOGY

PRODUCT BRIEF

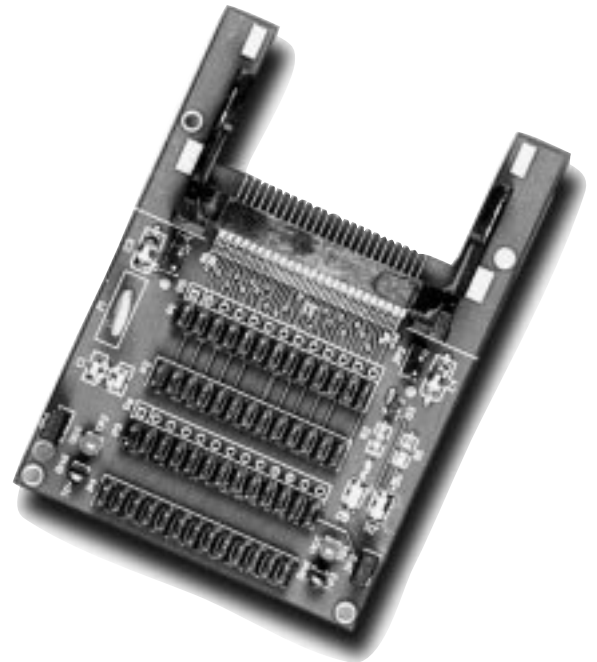
# CF extend 180

CompactFlash™ Flexible Extender

*continued from reverse*



CFextend 180 Host Interface Board (A150046-3)  
Order Number-180HIB



CF extend 180 Card Interface Board (A150047-3)  
Order Number-180CIB

CF extend 180 5" Extension Cable Set (A140015-1)  
Order Number-18XCBL-5

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