



# CF extend 160B

CompactFlash™ Extender Cards

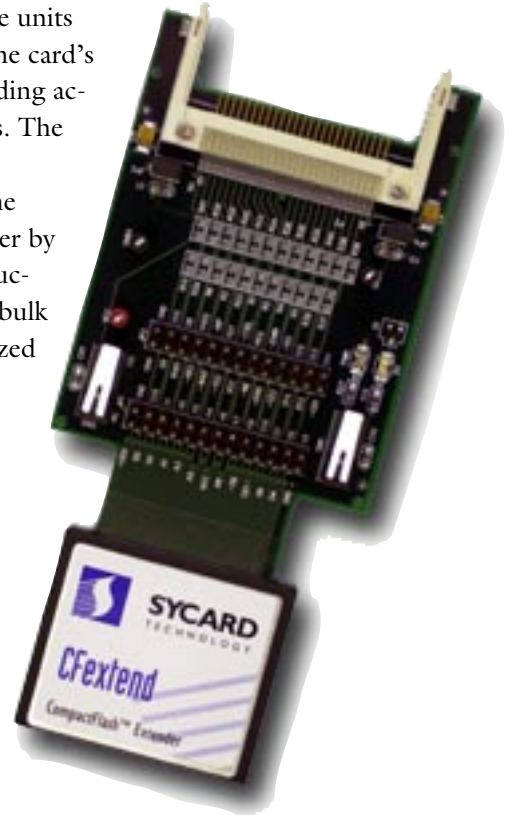
### Overview

The CF extend models 160B are debug tools for the CompactFlash™ interface. The units allow a CompactFlash™ card to be extended from the host's slot for full access to the card's circuitry. The CF extend unit includes all the standard extender card features, including access to all 50-signal pins, multiple layer design and support for 3.3V and 5V sockets. The CF extend 160B supports Type I (3.3mm) and Type II (5.0mm) cards.

All too often extender cards are the source of many signal integrity problems. The CFExtend 160B is designed to minimize the signal degradation effect of the extender by using proven design techniques. Separate Vcc and ground planes provide a low inductance path to the host's power supply. High frequency X7R ceramic capacitors and bulk tantalum capacitors keep supply rails clean. Crosstalk between long traces is minimized by grounding conductors between each signal. For applications that are sensitive to noise, the CFExtend 160B provides surface mount pads for series resistors on each signal line.

The units are often used to measure current consumption of a card and provide jumper blocks to isolate Vcc. Current measurements are as simple as inserting a series Amp meter.

The CFExtend 160B was designed with the engineer and technician in mind. Two clearly labeled headers allows probing of all 50-signal and power pins. Thoughtfully placed grounding posts provide a convenient place to ground a scope probe or analyzer. Dual LEDs show the status of Vcc and will indicate if Vcc is at 3.3V or 5V. A unique feature found on the CFExtend160B is the PCCswap switch which provides a quick and easy way to simulate a card insertion/removal cycle. Those who have previously developed a PC Card or CompactFlash™ application know how awkward it is to remove and insert a card to test the host software and with just a push of the PCCswap switch, the CFExtend 160B simulates a removal and re-insertion. The CFExtend 160B is constructed with high quality components and are designed to provide years of trouble free service.



### Key Features

- PCCswap switch simulates card insertion/removal
- All 50-signal/power pins accessible
- LEDs indicate 3.3V or 5V Vcc
- Multiple layer design
- CF extend 160B supports Type I (3.3mm) and Type II 5.0mm thick CompactFlash™ cards
- SMT pads for series resistors
- Headers isolate Vcc for current measurements
- Vcc bypassed for clean power
- High quality connectors for long service life

### Mechanical Specifications

- Width: 2.3" (5.9cm)
- Length: 5.25" (13.3cm)
- Thickness: 0.43" (1.1cm)
- Weight: 1.1 oz

### Accessories Supplied

- CF extend 160B User's Manual