PRODUCT BRIEF

SYCARD TECHNOLOGY

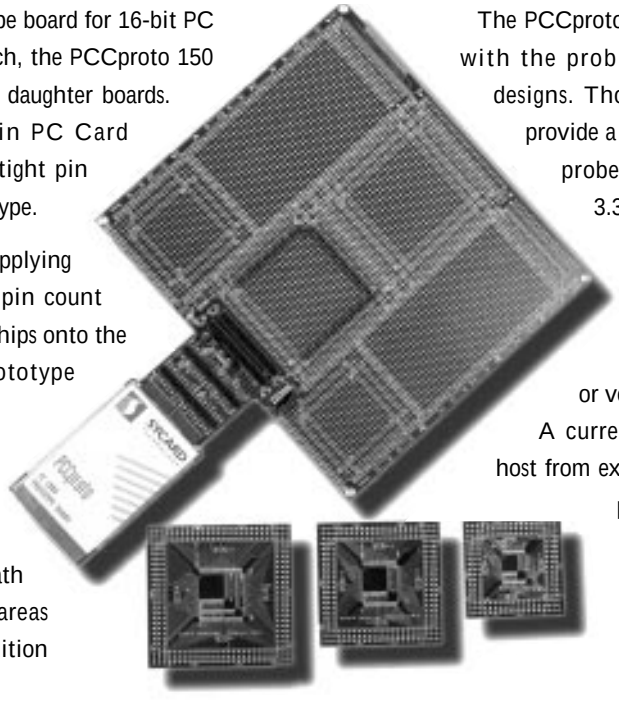
PCCproto 150
PC Card Prototype Board

OVERVIEW

The PCCproto 150 is a general purpose prototype board for 16-bit PC card designs. Based on a "motherboard" approach, the PCCproto 150 consists of a main prototype board and plug-in daughter boards. Because most chips designed to be used in PC Card applications are high pin count devices with tight pin pitches, it is difficult, if not impossible, to prototype.

PCCextend 150 solves this problem by supplying unique "daughter boards" to hold these high pin count devices. The designer can directly solder these chips onto the daughter board and plug them into the prototype motherboard.

This architecture greatly reduces the signal degrading inductance and capacitance often seen on a traditional prototype board. Multilayer design provides a low inductance path for power and ground. Two large prototype areas support traditional through-hole devices in addition to the areas reserved for "daughter" boards.



An I/O strip provides locations for several different types of connectors. Also supported are 0.050" and 0.031" pads for SMT connectors most often found in PC Card designs. More traditional 0.1" dual row header and DB-9, DB-25 and DB-37 pads support many popular I/O connectors.

The PCCproto was designed by engineers familiar with the problems associated with prototype designs. Thoughtfully placed grounding posts provide a convenient place to ground a scope probe. Dual LEDs indicate if Vcc is at 3.3V or 5.0V. Clearly labeled headers allow access to all 68 interface pins. Headers allow the Vcc plane to be broken to allow current consumption measurements or voltage margin testing of your design. A current protection device protects the host from excessive Vcc current draw caused by prototyping "accidents." The PCCproto brings with it the PCCswap switch introduced on our PCCextend 100. The PCCswap switch interrupts the Card Detect signals to simulate an insertion/removal cycle. Save wear and tear on your connectors (and your fingers) with the PCCswap switch.

The user's manual includes connector drawings for each prototype area. This facilitate assembly drawings and debug diagrams for assemblers and technicians.

KEY FEATURES

- ☐ Multi-layer Construction
- ☐ Three plug-in daughter board support 44, 64, 100, 144 and 176 TQFP
- ☐ Also supported are 44, 100, 144, and 160 pin PQFP
- ☐ 68 pin header allows access to interface signals
- ☐ Current protection device protects host
- ☐ LEDs indicate 3.3V or 5V Vcc
- ☐ PCCswap switch simulates card insertion/removal
- ☐ Support 4 types of I/O connectors
- ☐ Vcc Jumper Block allows for current measurement
- ☐ Detailed user's manual
- ☐ Comes with simple software debugger to control PC Card interface

MECHANICAL SPECIFICATIONS

Physical

Width	7.7" (19.6cm)
Length	11.7" (29.7cm)
Thickness	0.7" Max (17.8mm)
Weight	6.0 oz

AVAILABILITY

NOW

SYCARD TECHNOLOGY 1180-F Miraloma Way Sunnyvale CA 94086 tel (408) 749-0130 fax (408) 749-1323
http://www.sycard.com