



ACCESSORIES

IDE Flashdisk Solid-State Storage

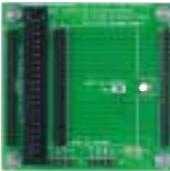
Install an IDE flashdisk module onto any of our CPU boards for rugged, lightweight, solid-state mass storage. The flashdisk module works just like an IDE drive and requires no drivers. It provides high-speed nonvolatile mass storage in capacities of 32MB up to 256MB. The flashdisk mounts on the IDE connector and is held in place with a spacer and screws (included). It includes a master/slave jumper and operates over -40/+85°C.



IDE Flashdisk

IDE Programming Board

Our ACC-IDEEXT accessory board lets you connect a flashdisk and an IDE drive (hard disk or CD-ROM), or two IDE drives, to your Diamond Systems CPU. You can also use it to load files from your desktop computer onto a flashdisk module. The ACC-IDEEXT board includes 40-pin and 44-pin mating connectors for compatibility with almost any computer and IDE device.



ACC-IDEEXT

Hercules Data Acquisition Demo Board

The ACC-HRCDAQ provides a convenient way to test the data acquisition circuitry on our Hercules CPU, to assist in software development or system checkout. (It is not compatible with Athena or Prometheus CPUs.) The board provides an assortment of analog signals that drive the analog inputs of the board in both single-ended and differential mode. The Hercules analog outputs are also routed back to analog input channels for measurement.

Digital I/O signals on port A are looped back to port B, and C high is connected to C low. Pin headers provide access to most analog I/O signals, along with counter/timer and PWM signals, so you can monitor these signals with an oscilloscope or voltmeter.

ACC-HRCDAQ is the size of a PC/104 board and can mount directly on top of Hercules or sit off to the side. It does not use the PC/104 bus connectors. Mating 40-pin and 50-pin ribbon cables are included. Note: This board is included in the DK-HRC-01 Hercules development kit.



ACC-HRCDAQ

PC/104 Spacers

These spacers are 0.6" long x 3/16" diameter x #4-40 thread, with one end male and one end female. Clear aluminum material. Spacers mate end to end to build a PC/104 board stack. Available in bulk form or in a mounting kit with 4 ea. spacers, screws, and nuts.



PC/104 Spacers

AC Bus Termination

This accessory board mounts on the PC/104 stack and provides AC line termination to protect the bus signals from noise sources that can disrupt reliable operation. The built-in stackthrough bus connectors enable mounting on either the top or bottom of the stack.



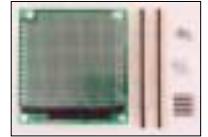
AC-104-16

PC/104 Prototype Board

The Proto-104 board provides a blank PC/104 board with a 0.1" x 0.1" grid of holes for the installation of custom circuitry or components. It includes PC/104 mounting holes in the corners, so it can be mounted on the PC/104 stack. All PC/104 bus connector signals can be tapped with accessory holes for use by your circuitry. The board provides grids of +5V and ground on the top and bottom sides. Mounting hardware and I/O connectors are included. Available in kit form with PC/104 headers loose (PROTO-104-K) or with PC/104 connectors already installed for extra convenience (PROTO-104-A). Mounting hardware and pin headers are included.



PROTO-104-K



PROTO-104-A

PC/104 Hard Drive Mounting Board

ACC-HDDMOUNT provides a convenient way to mount a 2.5" notebook hard drive directly onto a PC/104 stack in either the top or bottom position. Holes on the board enable the PC/104 connectors to pass through unaffected, so the board can be installed at the bottom of the stack closer to the lower board. Mounting spacers and screws for both the hard drive and the board are included, along with a 44-pin ribbon cable.



ACC-HCCMOUNT

PC/104 Screw Terminal Board

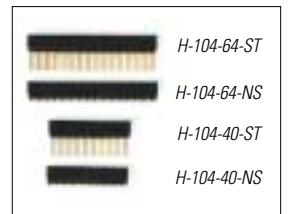
This compact PC/104-size screw terminal board mounts directly on the PC/104 stack to maintain a neat, integrated assembly. A 50-pin header allows cable connection to most of our I/O boards. Unneeded pins can be cut away for use with smaller size cables. Each connector pin has its own elevator-style angled screw terminal that accepts wire sizes from 12-28AWG. Multiple boards can be stacked together without interference.



STB-104

PC/104 Headers

These PC/104 headers are available in both stack-through (long gold-plated pins) and non-stackthrough (standard PC-mount pins) versions, in both 64-pin (J1) and 40-pin (J2) sizes. Stackthrough parts require manual soldering. All parts have gold plating on all contact areas.



AC Adapters

The AC adaptor provides a convenient way to power your embedded CPU during development or demos. It contains the proper connector for direct connection to the CPU board. Each order ships with the correct power cord for the country of destination.



AC Adaptor

