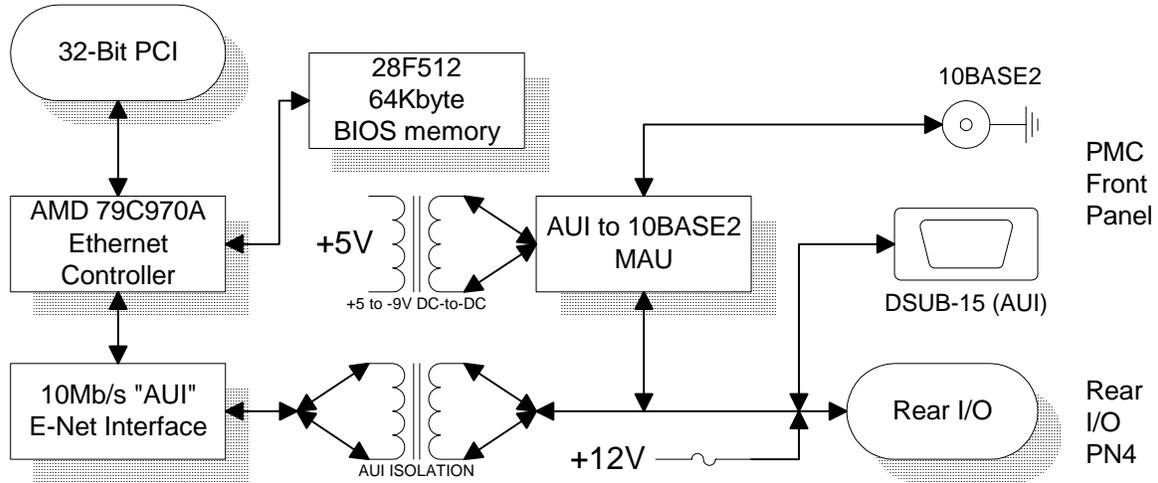


10Mb/s Ethernet 10BASE2/AUI Adapter



The 10 Mb/s Ethernet Adapter is field-selectable for either AUI (10BASE5) or Thinline (10BASE2) operation.

An AMD 79C970A Ethernet controller provides a 10 Mb/s Attachment Unit Interface (AUI) for connection to Media Attachment Units (MAU) either out the rear of the PMC or out the PMC front panel. A 15-pin D-Subminiature female is used on the front PMC panel, complete with the standard MAU retaining slide latch.

The AUI interface is available at the PMC "PN4" connector for rear connection to the "a" and "c" rows of a VMEbus P2 connector. If the VMEbus host processor adheres to the proposed IEEE 1386 routing from PN4 to "a" and "c" rows, then an IDC DIN ribbon cable terminated with a DB15 provides an easy means to connect to the AUI interface out the rear of the VMEbus board.

When operating in 10BASE2 mode, the AUI interface drives an on-board AUI-to-10BASE2 MAU. The 10BASE2 interface is available out the PMC front panel via a standard 50-ohm BNC connector.

In 10BASE2 mode, the PMC will draw power from the PCI bus +5V rail only. The 10BASE2 interface is configured for 500V isolation by an on-board DC-to-DC converter.

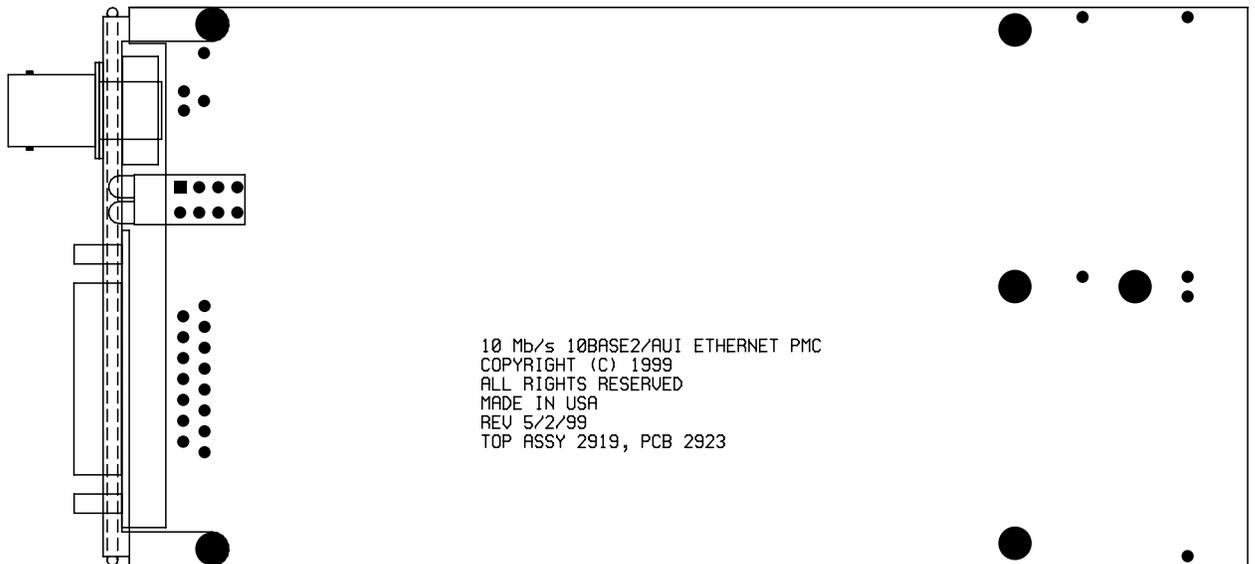
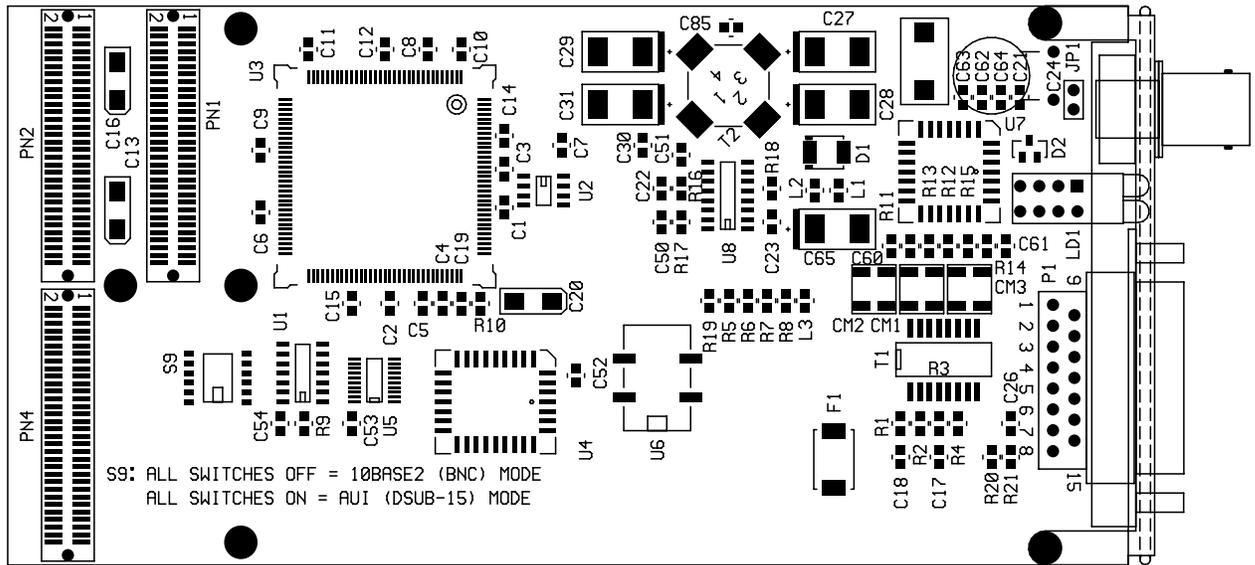
The AUI interface provides resettable fuse-protected +12V on the DB-15 connector for powering an external MAU. When operating in AUI mode, the +12V power to the AUI defeats the isolation barrier, and the PMC system Ground is tied to the external MAU Ground.

The board features a FLASH memory for storing an on-board BIOS. A 28F512 chip is used, providing up to 64Kbytes of BIOS storage. The 28F512 chip is installed in a PLCC socket on the PMC card.

Four activity and status LEDs are visible from the PMC front panel. Interrupts are posted on the PCI bus using Interrupt Request "A" (INTA).

The AMD 79C970A is supported by many operating systems with built-in Ethernet support. Drivers are available for both Windows and VxWorks.

10Mb/s Ethernet 10BASE2/AUI Adapter



Product Summary

Technobox Part Number:	2919
Typical Power Dissipation:	TBD watts
Power Supplies Required:	+5, (+12V for AUI mode)
PCI Signaling Environment:	5 Volt or 3.3 Volt