

PMC I/O Modules (PIM - VITA 36)

The IEEE 1386 specifications, which govern the implementation of PMC cards, permits the option of having 64 “user I/O” signals on the PMC’s PN4 connector. Various specifications define how these 64 signals are routed to the backplane connectors for PMC and Compact PCI boards to allow rear I/O access to the PMC signals.

Because of the multitude of ways the rear I/O wiring can be accomplished, the VITA 36 standard was created to unify the use of PMC rear I/O for VME and Compact PCI bus by implementing a “PMC I/O Module,” abbreviated “PIM”. The VITA 36 draft standard is generally available at www.vita.com.

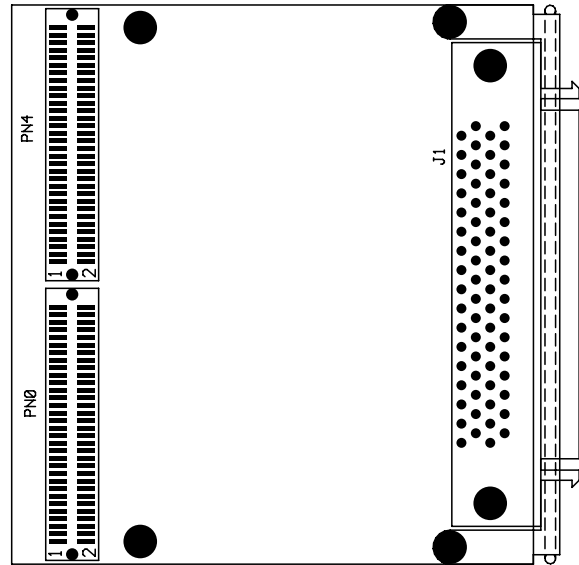
The PIM modules measure 74 mm wide and 69 mm deep. They are designed to be placed on an 80 mm deep Transition Module (see IEEE 1101.11 for more information on transition modules). The mezzanine connectors and front panel bezel are the same as used on PMC cards.

A “PN4” connector on the PIM module uses the same connector and pinout as on the PMC module, and the VITA 36 spec requires the host processor and transition module scheme be implemented so there is a one-to-one correspondence of the signals between the PMC and it’s corresponding PIM module. Note, however, that some implementation may *not* provide all 64 signals to be available to the PIM; This is particularly true of the 2nd PMC site of a host processor. Please refer to your host processor documentation for more details.

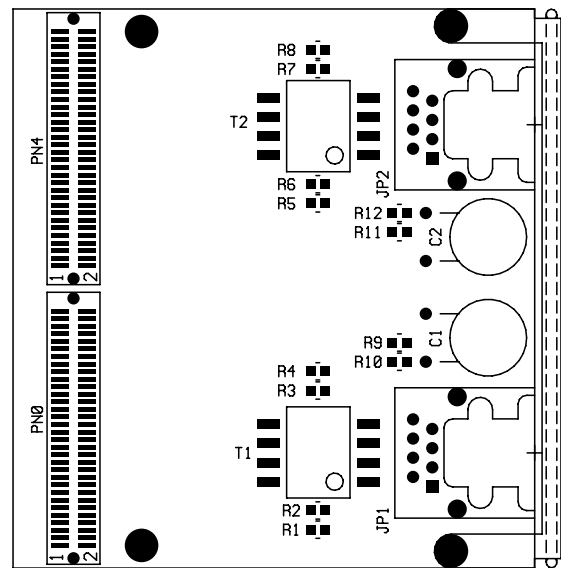
Technobox produces a couple PIM modules to work with PMC’s that support rear I/O connection. P/N 3188 is used with the P/N 3145 and P/N 3156 ULTRA2 PMC cards. P/N 3190 is a “generic” PIM that converts the 64 User I/O signals of the PMC to a 68-pin SCSI-style connector, and this PIM can be employed for many of the Technobox PMC’s.

VITA 36 also specifies a PN0 connector that is intended for host-processor signals. Technobox PMC’s implement the PN0 connector for picking up signal GND for the PIM only; the other signals are not connected.

Please contact Technobox to help make the correct PIM module selection for your application.



P/N 3188 - SCSI ULTRA2 PIM
P/N 3190 - Generic Rear I/O PIM



P/N 3189 - Dual 10/100 TX Ethernet PIM