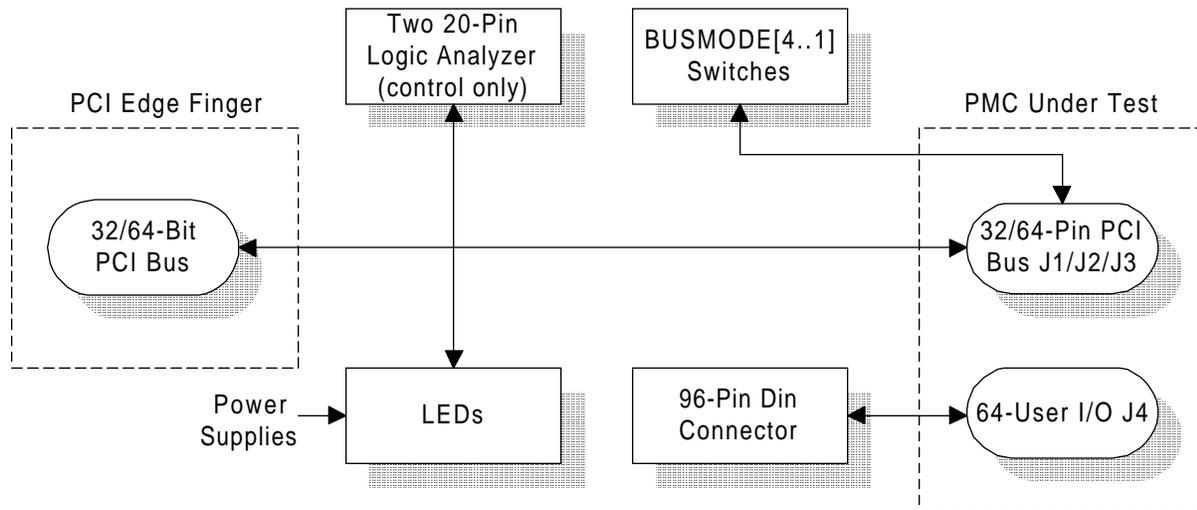


PMC to PCI Adapter - For Test



The PMC to PCI Adapter is intended for engineering test environments where demonstration in a PCI-compliant system using standard PCI boards is desired.

Users can work at a desktop PC to debug PMCs and, once debugged, test in a more expensive VMEbus, or other host processor, application.

For production testing, the product can be used in an inexpensive PC-based test set-up to verify operation of a production run of PMC modules.

As shown in the printed circuit board design, the PMC to PCI adapter is a standard PCI board accepting a single-wide PMC. When seated on the board, PMC Side 1 and Side 2 are readily accessible for probing.

The product supports operation in both a 32-bit or 64-bit PCI bus environment. Even though the adapter supports 64-bit PCI operation, it will still mechanically fit and operate in a 32-bit PCI motherboard.

The PCI connector is keyed at the edge fingers for universal operation in 3.3V or 5V PCI signaling environments. PMC keying pegs on the adapter have been removed so that PMCs with either 3.3V or 5V signaling can be accommodated. Because of this universal keying strategy, the user must ensure that the signaling levels for a PMC plugged into the adapter match the signaling levels for the motherboard PCI bus.

Since the standard PCI bus does not support the PMC BUSMODE[4...1] signals, a DIP switch located on the adapter can set up BUSMODE[4..2] to properly drive

the PMC card, and a LED monitors the PMC's BUSMODE[1] response from the installed PMC card.

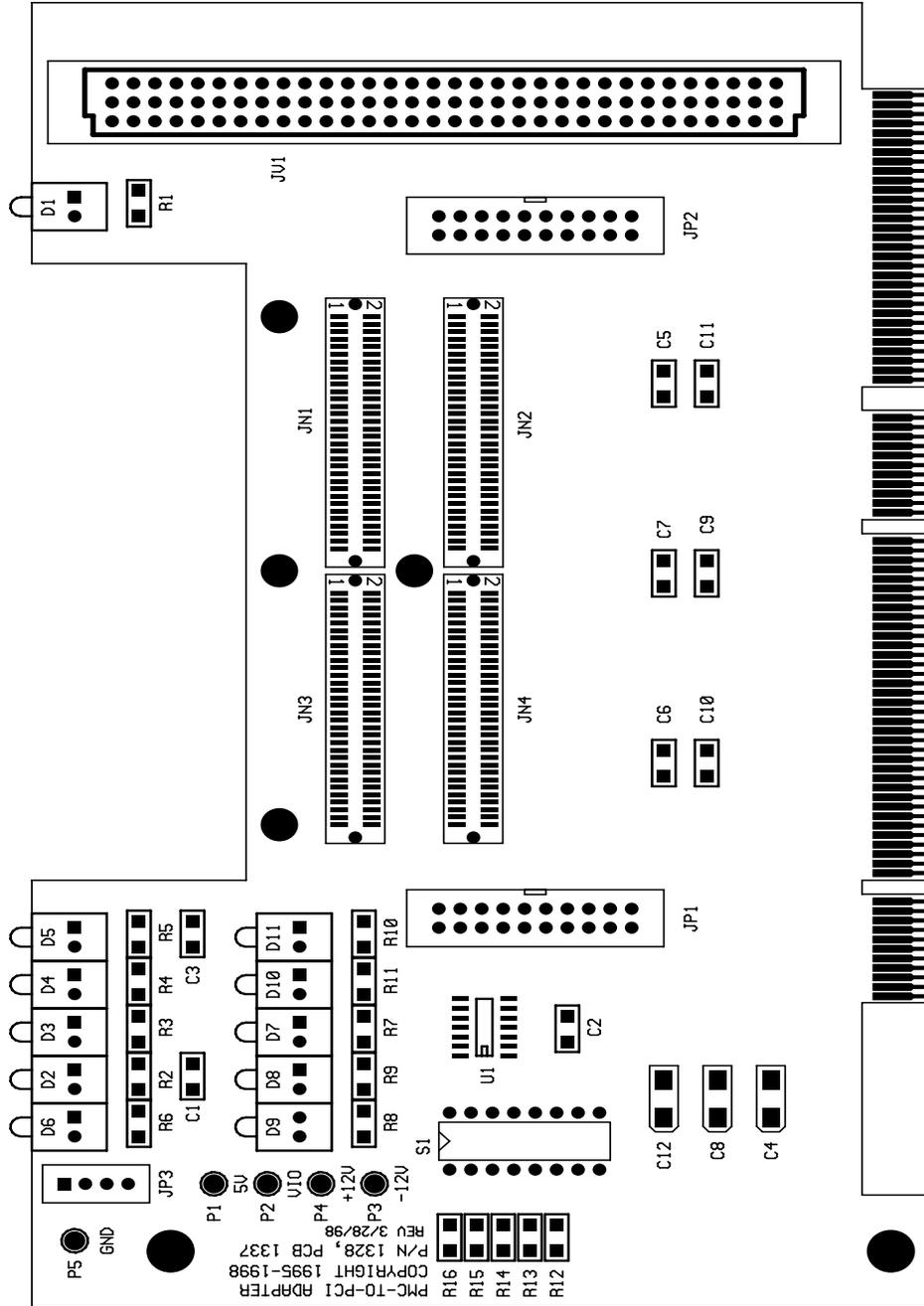
LEDs monitoring power supplies and other PCI related signals are located along the edge of the adapter. Also, turret-style test points provide access to VCC, VIO, +12V, and -12V supplies, and a convenient ground for an oscilloscope probe.

Two 20-pin headers located on the adapter support logic analyzer trace of the key PCI bus control signals. Standard termination adapters purchased from logic analyzer vendors convert the analyzer cables to work with these 20-pin headers. Trace of PCI AD[63..0] is not provided.

Finally, the 64 user I/O signals on the P4 connector of the PMC are connected to a 96-pin DIN located toward the rear of the adapter. This mimics connection between a PMC and the P2 connector on a VMEbus board, as outlined by the IEEE 1386 CMC specification.

Note: To use this product for volume production testing of PMC cards, please use the Technobox P/N 2283 "PMC Socket Saver".

PMC to PCI Adapter - For Test



Product Summary

Technobox Part Number:	1328
Typical Power Dissipation:	N/A
Power Supplies Required:	Per PMC under test
PCI Signaling Environment:	3.3V, 5V