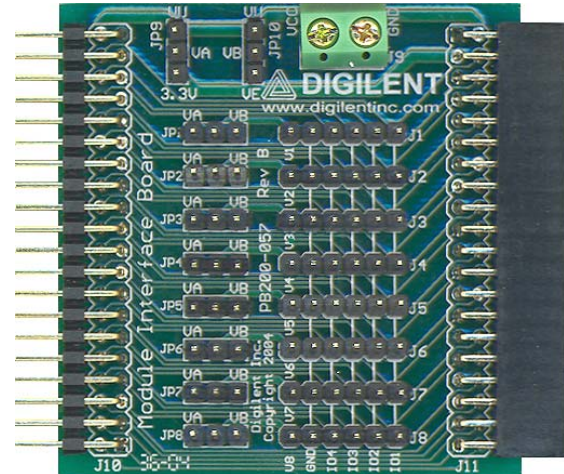


The Modular Interface Board (MIB) provides an interface between Digilent system boards and Peripheral Module boards. Peripheral Modules are small, dedicated function boards that provide A/D, D/A, H-bridge, discrete signal I/O, and other functions. Peripheral modules use 6-pin header-connectors to communicate with system boards – the 6 pins include four data signals, Vdd, and GND.

The MIB routes all 32 data signals on the 40-pin system connector to one of eight 6-pin header connectors, allowing up to eight peripheral modules to be driven from a single expansion connector. This is especially useful in robotic and other distributed projects, where smaller sensor and actuator peripheral module boards can be placed in optimal locations, and connected to the system/MIB board with a simple cable.

All signals are passed through the MIB board, from a 40-pin header on one edge of the board to a 40-pin socket on the opposite edge. This allows the MIB to sit between a system board and peripheral board, so that signals not used by Peripheral Modules can be passed on to downstream circuits. This pass-through feature also allows the MIB to be used as a test-point header.

Digilent produces a collection of peripheral modules as well as low-cost 6-pin cables in various lengths. Please see our catalog at www.digilentinc.com for more information.



Features

- Eight 6-pin headers, each with four unique signals
- 32 I/O signals from system connector routed through board and to 6-pin headers.
- Jumper blocks allow various power sources to be routed to each 6-pin header connector
- Wire terminal block allows easy connection of alternative power sources for peripheral modules
- Can be used as test-point header