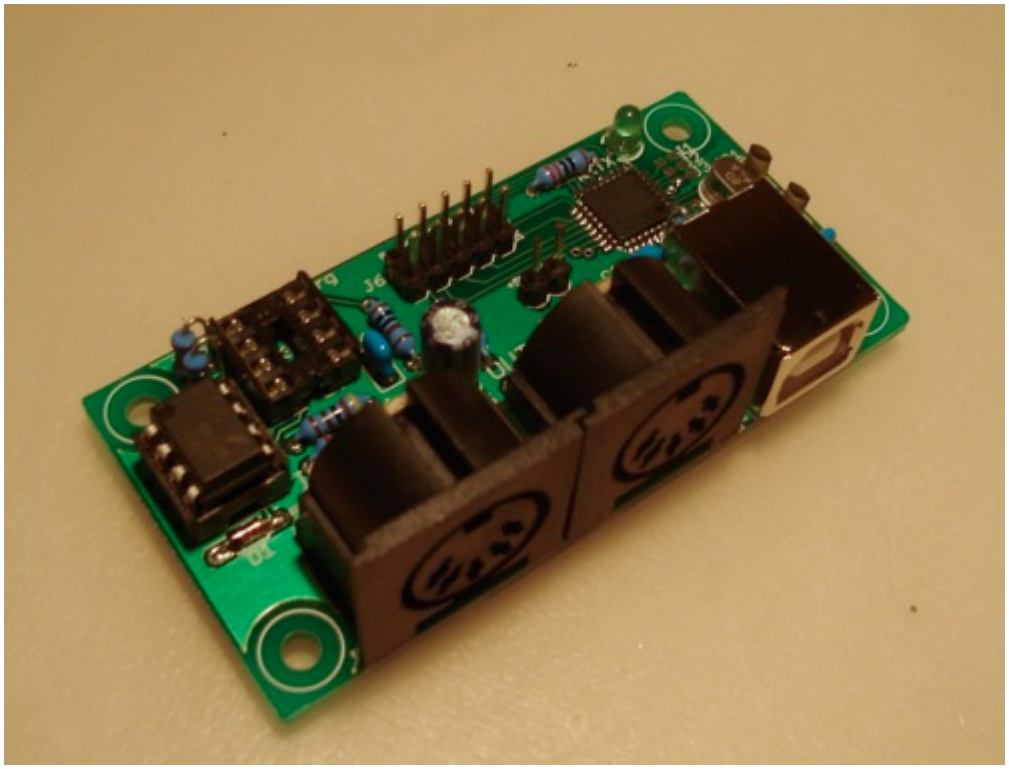
MBHP GM5 Module



Overview

The GM5 is a USB MIDI interface IC from Ploytec. It provides up to 5 independent MIDI inputs and 5 independent MIDI outputs. It is only available in a surface mount package, and only in large (250+) quantities. TK organizes regular bulk orders for this IC.

The MBHP “USB GM5 Module” is a simple PCB which holds the GM5 IC, and all required components for one MIDI input and output. It does not require any other MBHP modules to provide basic USB<>MIDI I/O functionality. A single MIDI input and MIDI output jack may be mounted to the board, or connected via SIL headers. An additional 4 inputs and outputs may be connected to the module via a single header, in which case each physical i/o would require its own support parts (optocouplers, resistors, diodes etc). “Digital I/O” pins are also available for direct interface to a Core module, with no need for optocouplers.

Alternatives

An alternative to this module is the “GM5x5x5”, a standalone 5×5 USB MIDI interface on a single PCB.

Another alternative is the USB PIC module, in which USB is wired directly to a PIC-based Core running special (non-MIOS) firmware. Further development of this module is unlikely, given the low cost and great performance of the GM5.

Construction

Parts

Operation

Drivers

Setup

Windows

Linux

Mac OS X

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