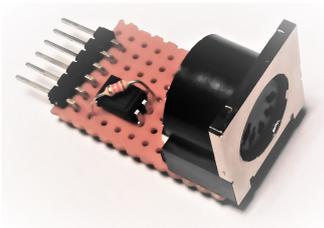


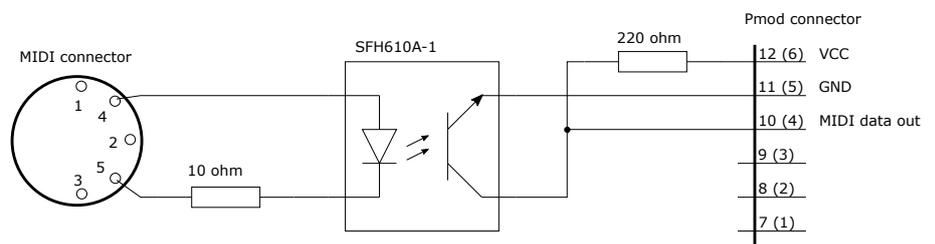
PmodMIDI Reference Manual

Overview

The PmodMIDI is a MIDI adapter with an optocoupler for galvanic isolation of the Pmod interface.



The PmodMIDI



Schematic

Functional description

MIDI devices connected to the MIDI connector will, when producing MIDI data, sink current through the optocoupler LED, causing the photo transistor to pull the MIDI data output low (otherwise being pulled high by the 220 ohm resistor).

Interfacing with the Pmod

The PmodMIDI communicates with the host board via the GPIO protocol. The pmod can be attached to any of the GPIO headers JA1, JB1, JC1 or JD1 on the Nexys3 board. The *MIDI data out* signal can be read at pin 10 (using lower row) or pin 4 (using higher row) on the header in use.