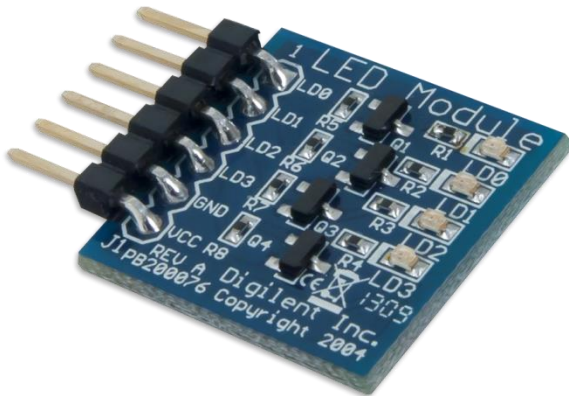# PmodLED™ Reference Manual

Revised December 17, 2015
This manual applies to the PmodLED rev. A

Overview

The Digilent PmodLED contains 4 individual user LEDs that are driven through logic-level transistors.

The PmodLED.

Features include:

- 4 high-bright LEDs
- Required driving current of less than 1 mA
- Easy-to-see logic level indicators

1 Functional Description

The PmodLED utilizes logic-level transistors to light up four individual high-bright LEDs. Each LED can be turned on through the use of less than 1 mA of current, making this Pmod ideal for users needing small indicator lights.

2 Interfacing with the Pmod

The PmodLED communicates with the host board via the GPIO protocol. A logic high level turns on the LED and a logic low signal turns off the LED.

Pin	Signal	Description
1	LD0	LED 0
2	LD1	LED 1
3	LD2	LED 2
4	LD3	LED 3
5	GND	Power Supply Ground
6	VCC	Positive Power Supply

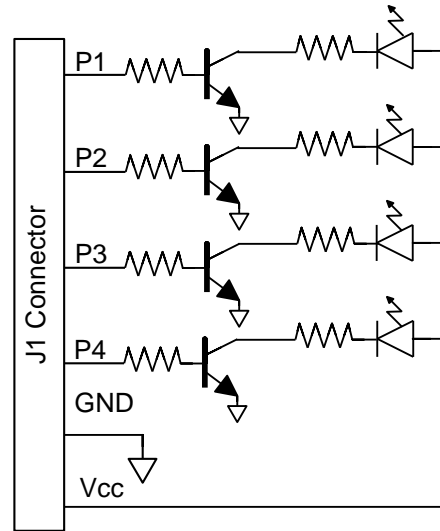*Table 1. Pinout description table.*

Figure 1. LED module circuit diagram.

It is recommended that Pmod is operated at 3.3V.

3   Physical Dimensions

The pins on the pin header are spaced 100 mil apart. The PCB is 0.8 inches long on the sides parallel to the pins on the pin header and 0.8 inches long on the sides perpendicular to the pin header.

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