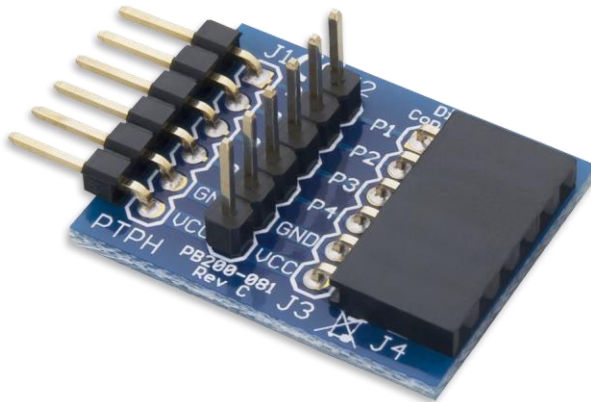# PmodTPH™ Reference Manual

**Revised April 12, 2016**
**This manual applies to the PmodTPH rev. C**

## Overview

The Digilent PmodTPH offers 6 external pin headers so that users can easily test the signals passing through each of the pins.



*The PmodTPH.*

Features include:

- 6 external test point headers
- Easily access and test signals passing through
- Small PCB size for flexible designs 1.0 in × 0.8 in (2.5 cm × 2.0 cm)
- 6-pin Pmod port with GPIO interface
- Follows Digilent Pmod Interface Specification Type 1

# 1    Functional Description

The PmodTPH is a great way for users to get easy access to signals coming in and out of the system board by acting as an intermediate between the system board and the peripheral component.

# 2    Interfacing with the Pmod

The PmodTPH is a pass through module, making it essentially equivalent to a set of six wires coming from the system board with center taps that users can attach their multimeter probes to. Consequently, there is no particular protocol that is associated directly with this Pmod.

| Pin | Signal | Description |
|-----|--------|-------------|
| 1 | P1 | Signal 1 |
| 2 | P2 | Signal 2 |
| 3 | P3 | Signal 3 |
| 4 | P4 | Signal 4 |
| 5 | GND | Power Supply Ground |
| 6 | VCC | Positive Power Supply |

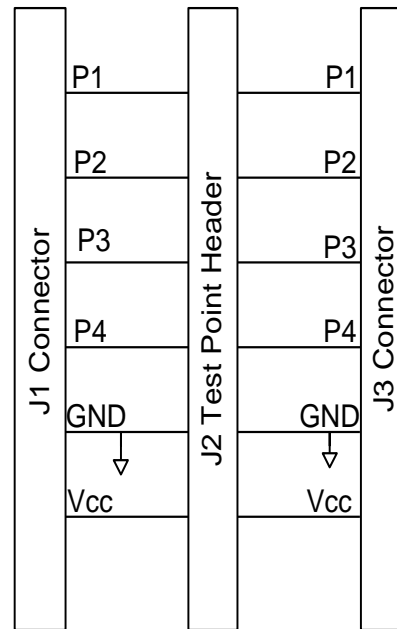*Table 1. Pinout description table.*



*Figure 1. Test point header diagram.*

As there are no integrated circuits on this Pmod, any external power that is usable with the system board can be applied to the PmodTPH.

# 3    Physical Dimensions

The pins on the pin header are spaced 100 mil apart. The PCB is 1 inch 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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