



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## PmodTPH2™ Reference Manual

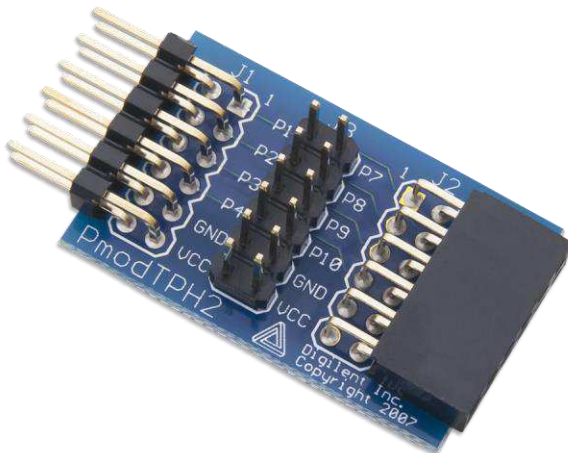
Revised May 24, 2016

This manual applies to the PmodTPH2 rev. A

---

### Overview

The PmodTPH2 is a 12 point test header, giving users easy access to any signals passing through the Pmod.



*The PmodTPH2.*

Features include:

- 12 external test point headers
- Easily access and test signals passing through
- Small PCB size for flexible designs 1.3" × 0.8" (3.3 cm × 2.0 cm)
- 12-pin Pmod connector with GPIO interface
- Follows [Digiilent Pmod Interface Specification](#) Type 1

## 1 Functional Description

Offering 12 isolated pass through connectors, this module is able to easily be placed between two pieces of hardware allowing the user to observe and debug their circuit.

## 2 Interfacing with the Pmod

Attach your multimeter or oscilloscope (such as the Analog Discovery) to the vertical test point headers and measure away!

Header J1					
Pin	Signal	Description	Pin	Signal	Description
1	1	Pass through #1	7	7	Pass through #7
2	2	Pass through #2	8	8	Pass through #8
3	3	Pass through #3	9	9	Pass through #9
4	4	Pass through #4	10	10	Pass through #10
5	5	Pass through #5	11	11	Pass through #11
6	6	Pass through #6	12	12	Pass through #12

Table 1. Pinout description table.

Any external power applied to the PmodTPH2 must be able to be handled by your two pieces of hardware on either side of the Pmod.

### 3 Physical Dimensions

The pins on the pin header are spaced 100 mil apart. The PCB is 2 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.