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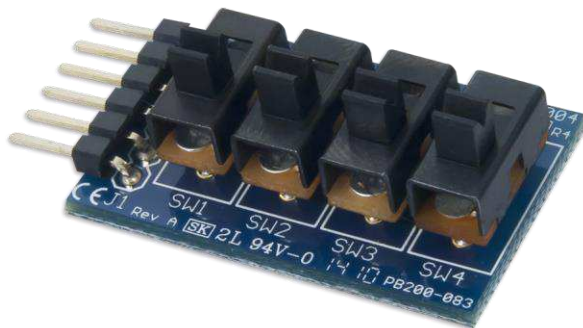
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# PmodSWT™ Reference Manual

**Revised April 12, 2016**
**This manual applies to the PmodSWT rev. A**

## Overview

The PmodSWT provides users with four slides switches for up to 16 different binary logic inputs to for the attached system board.



*The PmodSWT.*

Features include:

- 4 slide switches
- Add user input to host board or project
- Static binary logic input
- Small PCB size for flexible designs 1.3 in × 0.8 in (3.3 cm × 2.0 cm)
- 6-pin Pmod port with GPIO interface
- Follows Digilent Pmod Interface Specification Type 1

## 1 Functional Description

The PmodSWT utilizes four slide switches that users can use as a set of on and off switches or as a set of static binary inputs.

## 2 Interfacing with the Pmod

The Pmod communicates with the host board via the GPIO protocol. When a switch is turned to the "on" position, its respective pin will be at the logic level high voltage and when a switch is off, the pin will be a logic level low voltage.

| Pin | Signal | Description |
|-----|--------|-------------|
| 1 | SWT1 | Switch 1 input |
| 2 | SWT2 | Switch 2 input |
| 3 | SWT3 | Switch 3 input |
| 4 | SWT4 | Switch 4 input |
| 5 | GND | Power Supply Ground |
| 6 | VCC | Positive Power Supply |

*Table 1. Pinout description table.*

There are no integrated circuits on the PmodSWT, so any voltage range that is usable with your system board can be used on the PmodSWT.

# 3  Physical Dimensions

The pins on the pin header are spaced 100 mil apart. The PCB is 1.3 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.