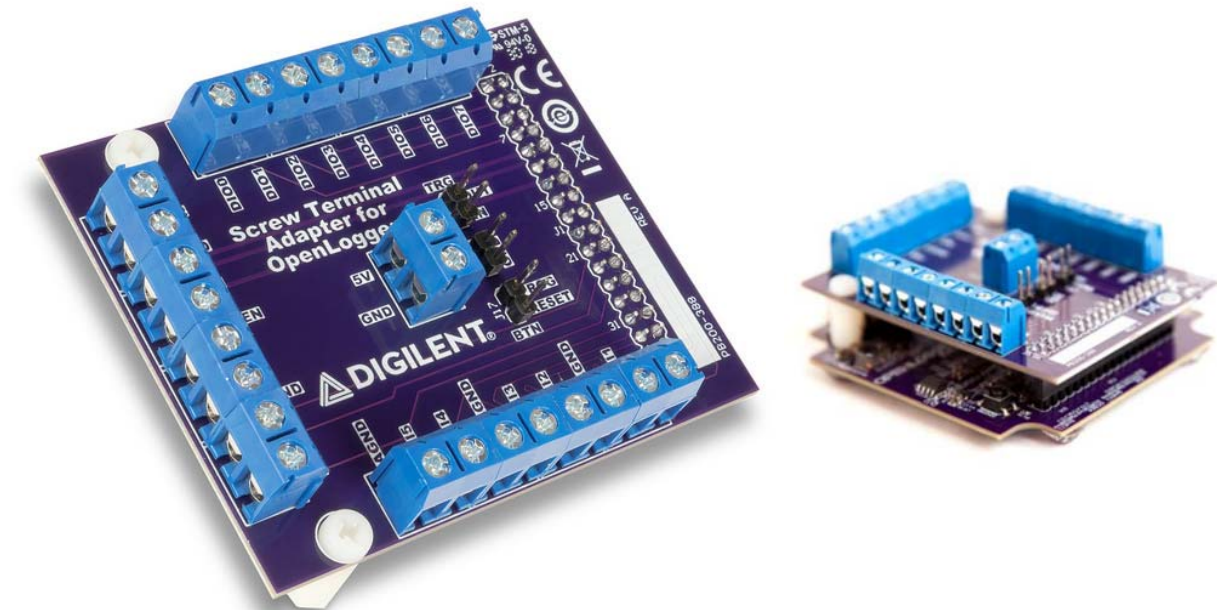


Screw Terminal Adapter for OpenLogger

SKU: 410-388



Product Description

Screw terminals are a common and handy connection method for data logging. The Screw Terminal Adapter provides screw terminal block access to the eight analog inputs, 8 digital I/O, waveform generator, power supplies, and ground signals on the OpenLogger. The trigger pins, prog, and reset signals are broken out into male pin headers. The Screw Terminal Adapter is designed to attach on top of the OpenLogger so that the OpenLogger stays compact, and can be used with the OpenLogger in its acrylic case.

What's
Included:

- Screw Terminal Adapter for [OpenLogger](#)
- Custom Diligent protective packaging

OpenLogger Screw Terminal Adapter

The OpenLogger Screw Terminal Adapter is intended to be used with the Digilent OpenLogger to provide external connections to the OpenLogger via screw terminal adapters for more readily accessible inputs. The Screw Terminal Adapter connects directly on top of the OpenLogger to maintain a small form factor.

Features

- Standard Screw Terminal Adapters for easy connectivity
- Designed to fit directly on top of the OpenLogger

Physical Dimensions

The long side of the Screw Terminal Adapter for the Openlogger is 2.838 inches (72.1 mm) and the short side of the PCB is 2.2835 inches (58 mm) in length.

Functional Description

The OpenLogger Screw Terminal Adapter provides screw terminals for each analog input and each digital pin, with an analog ground pin to pair with each analog input. A screw terminal pair for the 5V power supply from the OpenLogger is available in the center of the board as well as additional headers for access to a few of the OpenLogger specific pins.

Pinout Diagram

Primary connector				West Screw Terminals		North Screw Terminals	
1	GPIO3	2	GPIO7	DC2	DC Output 2	DIO0	GPIO 0
3	GPIO2	4	GPIO6	GND	Digital Ground	DIO1	GPIO 1
5	GPIO1	6	GPIO5	DC1	DC Output 1	DIO2	GPIO 2
7	GPIO0	8	GPIO4	WGEN	Waveform Generator	DIO3	GPIO 3

Primary connector				West Screw Terminals		North Screw Terminals	
9	DC 2	10	GND	AI8+	Analog Input 8	DIO4	GPIO 4
11	DC 1	12	GND	AGND	Analog Ground	DIO5	GPIO 5
13	Wavegen	14	GND	AI7+	Analog Input 7	DIO6	GPIO 6
15	Reserved	16	Reserved	AI6+	Analog Input 6	DIO7	GPIO 7
17	Reset	18	PROG	South Screw Terminals		Center Screw Terminals	
19	+5V	20	GND	AGND	Analog Ground	5V	5V Output
21	AI8+	22	AGND8	AI5+	Analog Input 5	GND	Digital Ground
23	AI7+	24	AGND7	AI4+	Analog Input 4	Center Pin Headers	
25	AI6+	26	AGND6	AGND	Analog Ground	TRG OUT	Trigger Output (unused)
27	AI5+	28	AGND5	AI3+	Analog Input 3	TRG IN	Trigger Input (unused)
29*	AI4+	30	AGND4	AI2+	Analog Input 2	PROG BTN	Program Button
31*	AI3+	32	AGND3	AGND	Analog Ground	RESET BTN	Reset Button

Primary connector				West Screw Terminals		North Screw Terminals	
33	AI2+	34	AGND2	AI1+	Analog Input 1	GND	Digital Ground
35	AI1+	36	AGND1				

*Note – pin 29 is mislabeled as pin 31 on the silkscreen in Rev A of the Screw Terminal Adapter

