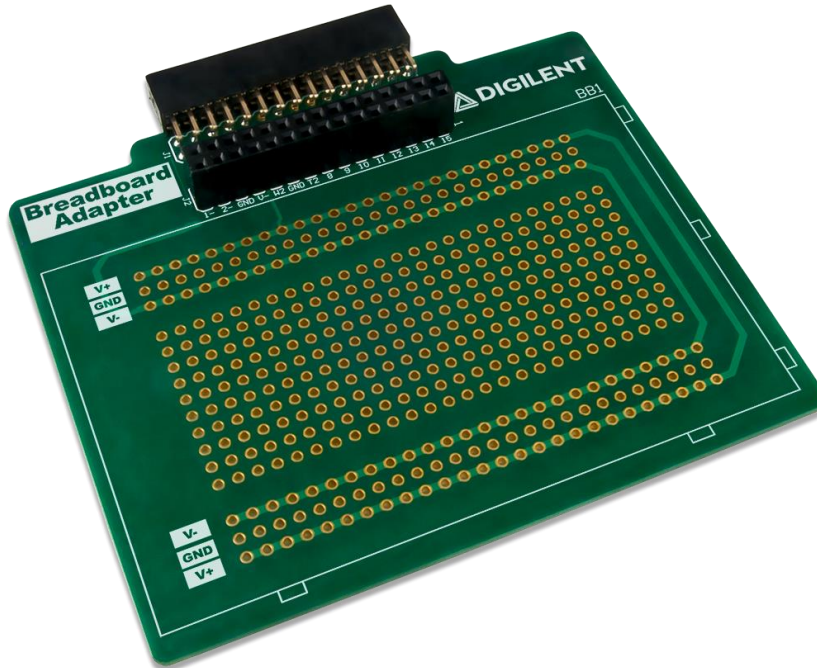


Breadboard Adapter for Analog Discovery

Part Number-410-361



Product Description:

The Breadboard Adapter is intended to be used with the Analog Discovery tool to provide a prototyping surface with a secure connection. It provides a female header to pass through all connections from the Analog Discovery 2 as well as a prototyping surface. The PCB provides two power rails directly routed from the V+ and V- pins on the Analog Discovery. Components and wires can be soldered to the prototyping surface and power rails. Alternatively, the half-sized breadboard can be affixed (permanently) to the adapter to provide connections.

Note: The Breadboard Adapter for Analog Discovery shares the same connector as the OpenScope MZ, but the pin mapping is not the same. Make sure to check the pin diagram of the OpenScope MZ before using the Breadboard Adapter other devices.

Features:

- Protoboard area consists of twenty-six rows of 10 plated through-holes
- Two 26 hole V+, V-, and GND rails routed from the 30-pin connector
- 30-pin female headers pass through all signals from the Analog Discovery
- One half-sized solderless breadboard is included
- Provides an alternative to the flywires for Analog Discovery
- Direct connection with the Analog Discovery tools
- Additional pass through Analog Discovery header for easy connection
- Connected power rails
- Solderless breadboard for an alternative setup

Physical Dimensions:

The PCB of the BB Adapter is 9.0 cm (3.54 in) in width and 7.5 cm (2.95 in) in length. The feet on the bottom of the breadboard adapter are each 0.25 inches (0.635 cm) in height.

Functional Description:

The Breadboard Adapter for the Analog Discovery provides a way to create a portable circuit to debug or demonstrate with the Analog Discovery tools at any time. A solderless breadboard is provided with the breadboard adapter to provide a less permanent setup for more flexible designs.

Pinout Diagram:

Header J1				Header J2			
Pin 1	DIO 7	Pin 2	DIO 15	Pin 1	DIO 15	Pin 2	DIO 7
Pin 3	DIO 6	Pin 4	DIO 14	Pin 3	DIO 14	Pin 4	DIO 6
Pin 5	DIO 5	Pin 6	DIO 13	Pin 5	DIO 13	Pin 6	DIO 5
Pin 7	DIO 4	Pin 8	DIO 12	Pin 7	DIO 12	Pin 8	DIO 4
Pin 9	DIO 3	Pin 10	DIO 11	Pin 9	DIO 11	Pin 10	DIO 3
Pin 11	DIO 2	Pin 12	DIO 10	Pin 11	DIO 10	Pin 12	DIO 2
Pin 13	DIO 1	Pin 14	DIO 9	Pin 13	DIO 9	Pin 14	DIO 1
Pin 15	DIO 0	Pin 16	DIO 8	Pin 15	DIO 8	Pin 16	DIO 0
Pin 17	TRIG_1	Pin 18	TRIG_2	Pin 17	TRIG_2	Pin 18	TRIG_1
Pin 19	WGND	Pin 20	GND	Pin 19	GND	Pin 20	GND
Pin 21	VOUT_AWG1	Pin 22	VOUT_AWG2	Pin 21	NC	Pin 22	NC
Pin 23	VOUT+_USR	Pin 24	VOUT-_USR	Pin 23	VOUT-_USR	Pin 24	VOUT+_USR
Pin 25	SGND	Pin 26	GND	Pin 25	GND	Pin 26	GND
Pin 27	VIN_SC2_P	Pin 28	VIN_SC2_N	Pin 27	VIN_SC2_N	Pin 28	VIN_SC2_P
Pin 29	VIN_SC1_P	Pin 30	VIN_SC1_N	Pin 29	VIN_SC1_N	Pin 30	VIN_SC1_P