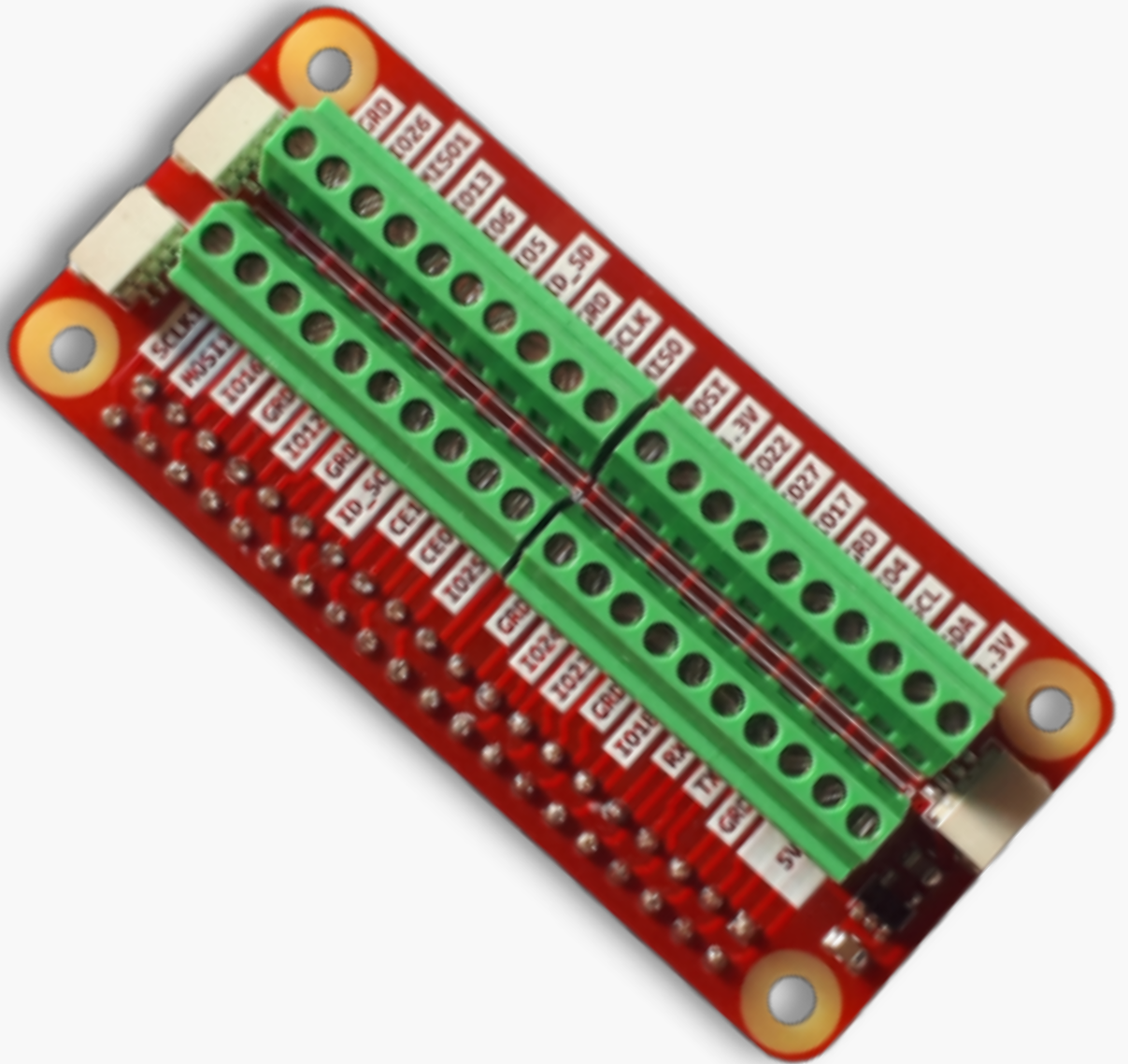


# PiScrew



thundergear.io



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# What is Pi Screw?

Pi Screw is a shield designed for Raspberry Pi Boards. The purpose of this shield is to make connecting a wide range of wires easier with the help of screw terminals and QWIC connectors.

## What does it help fix?

Most raspberry pi boards require you to use DuPont / Jumper connectors to connect sensors, motor drivers, and so on to the board. The issue with this is that most of them come pre-manufactured.

Those can vary in the amount of copper used to make the wire, the quality of the metal, the quality of the connector, and the manufacturing process of those cables.

The connectors can wear off over time. This can cause electrical connectivity issues with your project. This can result in making you lose time trying to troubleshoot the specific faulty connector(s).

Another issue is that not everyone may have Dupont / Jumper cables on hand. The screw terminals allow you to easily use your own wires. Please see the supported wires gauge in the features section.

Pi Screw fixes these issues by introducing a screw terminal connector with a similar layout to the raspberry pi pinout.

Some boards do not come with pin header slots and thus use an alternative means for the user to interface with them such as solder pads. You can easily solder some wires and directly connect them to your raspberry pi board with the help of Pi Screw's screw terminals.

## List of supported Raspberry Pi Boards

Model	Compatibility
Pi 1 Model B (2012)	<b>NO</b>
Pi 1 Model A (2013)	<b>NO</b>
Pi 1 Model B+ (2014)	<b>YES</b>
Pi 1 Model A+ (2014)	<b>YES</b>
Pi 2 Model B (2015)	<b>YES</b>
Pi Zero (2015)	<b>YES</b>
Pi 3 Model B (2016)	<b>YES</b>
Pi Zero W (2017)	<b>YES</b>
Pi 3 Model B+ (2018)	<b>YES</b>
Pi 3 Model A+ (2019)	<b>YES</b>
Pi 4 Model A (2019)	<b>YES</b>

