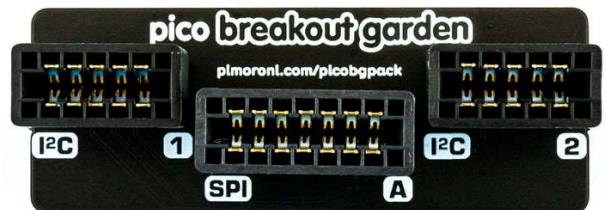


Pico Breakout Garden Pack

PIM547

An easy, solderless, swappable way to use breakouts with your Raspberry Pi Pico - add up to three Pimoroni breakouts (2 x I2C and 1 x SPI) to the sturdy slots and get coding and creating!



Pico Breakout Garden Pack gloms onto the back of your Pico and **lets you connect to three of our extensive selection of Pimoroni breakouts.**

Whether it's environmental sensors so you can keep track of the temperature and humidity in your office, a whole host of little screens for important notifications and readouts, and, of course, LEDs. Scroll down for a list of breakouts that are currently compatible with our C++/MicroPython libraries.

The three sturdy black slots are edge connectors that connect the breakouts to the pins on your Pico. There's one slot for SPI breakouts (like our 0.96" LCD Breakout or 1.12" SPI OLED Breakout), and two slots for I2C breakouts. Because I2C is a bus, you can use multiple I2C devices at the same time, providing they don't have the same I2C address (we've made sure that all our breakouts have different addresses, and we print them on the back of the breakouts so they're easy to find).

As well as being a handy way to add functionality to your Pico, Breakout Garden is also very useful for prototyping projects without the need for complicated wiring, soldering, or breadboards, and you can grow or change up your setup at any time.

If you need more than three breakouts, you might be interested in our Pico Breakout Garden Base. If you want to use other Pico Packs with Pico Breakout Garden Pack, check out Pico Omnibus and Pico Decker!

Please note that breakouts are sold separately! A Raspberry Pi Pico is not included - [click here](#) if you'd like to buy one.

Features

- Three sturdy edge-connector slots for Pimoroni breakouts
- 2x I2C slots (5 pins)
- 1x SPI slot (7 pins)
- Female headers for attaching to Raspberry Pi Pico
- 0.1" pitch, 5 or 7 pin connectors
- Reverse polarity protection (built into breakouts)
- Fully assembled
- Compatible with Raspberry Pi Pico/Pico W
- Schematic

About Pico Breakout Garden

Because of the way that I2C (the protocol that Breakout Garden uses) works, it doesn't matter which slot on the Breakout Garden that you plug your breakout into. Each I2C device has an address (you'll see it on the back of each breakout) that it uses to identify itself to other I2C devices, so it's effectively saying "Hey, it's me, Bob!"

We've built reverse polarity protection into our Pimoroni breakouts, meaning that there's no magic blue smoke if you accidentally plug one in the wrong way round. However, the correct way to plug them in is to make sure that the labels on the pins on your breakout and the labels on each Breakout Garden slot match up.

The markings on the base will show you which way round to plug in your Pico - just match up the USB port with the markings on the board.