

# Circuit Playground Proto Gizmo – Bolt-on Perma-Proto

PRODUCT ID: 4320

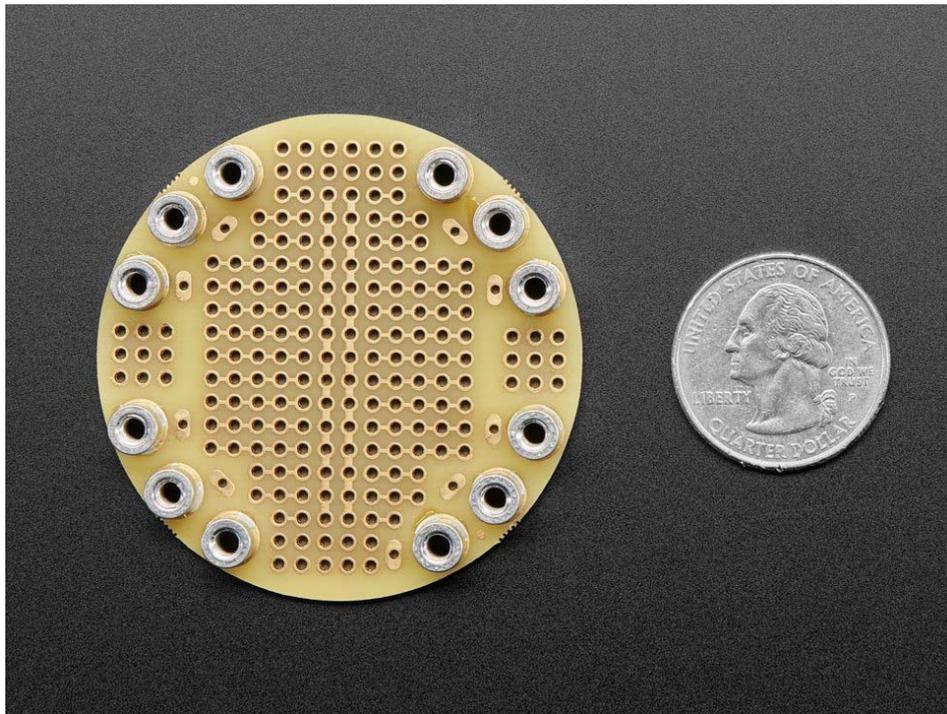
Extend and expand your Circuit Playground projects with a bolt on Perma-Proto that lets you connect solderable circuits in a sturdy and reliable fashion. This PCB looks just like a solderless breadboard but has permanently affixed M3 standoffs that act as mechanical and electrical connections. Solder to the gold-plated traces to create your custom invention!

Each pad of the Circuit Playground has a large oval pad you can connect to, and in the center is a blue-marked Ground rail and red-marked 3.3V rail. The center has side-connected groups, they're marked in black on top. Once you're done you can screw on/off the Gizmo as many times as you like.

Comes with a PCB that has pre-soldered standoffs attached, and 12x M3 screws for attachment. Fits both Classic and Express Circuit Playgrounds, but the oval pad markings match the CPX pad naming.

# TECHNICAL DETAILS

- Outer Diameter: ~50.6mm / ~2.0"
- Weight: 17.8g



<https://www.adafruit.com/product/4320/7-26-19>