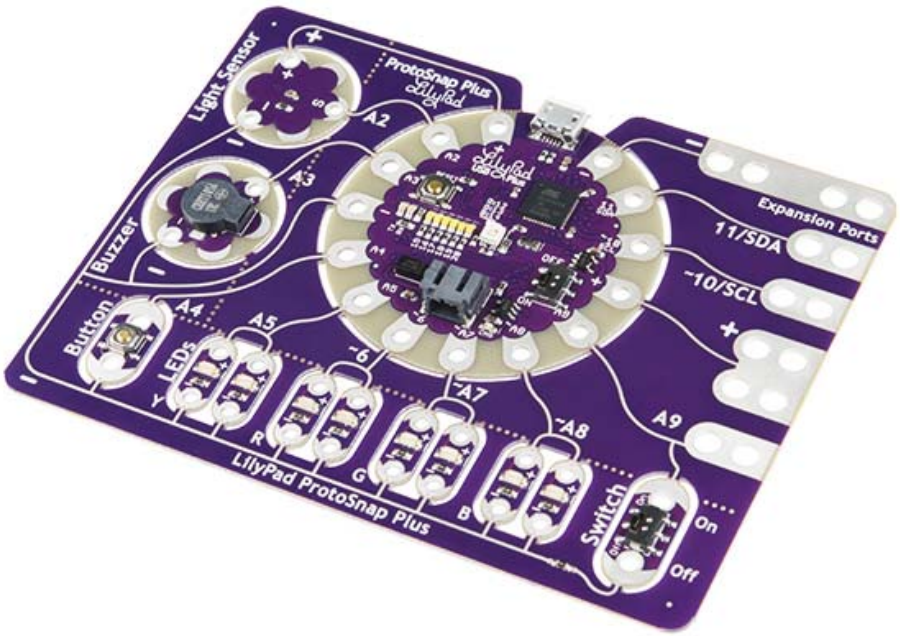
# LilyPad ProtoSnap Plus

DEV-14346 RoHS Open Source Hardware




The LilyPad ProtoSnap Plus is a sewable electronics prototyping board that you can use to explore circuits and programming, then break apart to make an interactive fabric or wearable project. Programming the ProtoSnap Plus is easy with the free Arduino software you'll need to program the ATmega32U4 on LilyPad USB Plus at the heart of the board. Once you've installed the software, you'll be able to write and upload your own programs to the board, making it do almost anything you want.

At the center of the ProtoSnap Plus is the LilyPad USB Plus microcontroller, pre-wired to a LilyPad board including a LilyPad Light Sensor, LilyPad Buzzer, LilyPad Button Board, four pairs of colored LilyPad LEDs and a LilyPad Slide Switch. Because these components are connected together on the ProtoSnap board, you can test out your project ideas before you sew. The ProtoSnap Plus also includes expansion ports that let you sew your wearables together or use alligator cables to easily connect external sensors and components. After testing out your coding ideas using the attached LilyPad pieces, you can break apart the prototyping board and sew them into your project!

**Note:** A portion of this sale is given back to Dr. Leah Buechley for continued development and education in e-textiles.

**Included on the ProtoSnap**

- 1x LilyPad USB Plus
- 1x LilyPad Light Sensor
- 1x LilyPad Buzzer
- 1x LilyPad Button
- 1x LilyPad Switch
- 2x LilyPad LED - Yellow
- 2x LilyPad LED - Red
- 2x LilyPad LED - Green
- 2x LilyPad LED - Blue
- 5x Expansion Ports

