PhoBot - Robotics Shield for Photon

PRODUCT ID: 2653

- # Description

Get your Particle (formally known as Spark) Photon moving with a PhoBot Robotics shield. No, this is not a robot that makes you a delicious bowl of Vietnamese soup. Instead, it's a board from Simon Monk that's kind of like a Motorshield for your Spark Core or Particle Photon that makes controlling small robots easy!

The board features bi-directional motor control using a TB6612 dual H-bridge, so it can control one stepper motor or two brushed DC motors with 4.5-13VDC power and about 1A current draw per motor. There's also two open drain 2A MOSFET outputs for things like solenoids or large LEDs. There's a socket for a HC-SR04 sonar sensor, and a socket breakout available to use with 5V i2c interface sensors. The board provides 5V regulated power to Photon or Core with a max input voltage of 12V.

There's an accompanying C library here to help you get your PhoBot up and running and SparkCore or Photon controlling robots! https://github.com/simonmonk/PhoBot

- # Technical Details

Product Dimensions: 51.0mm x 51.0mm x 12.0mm / 2.0" x 2.0" x 0.5"

Product Weight: 15.0g / 0.5oz

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