

MyoWare 2.0 Power Shield

DEV-18427

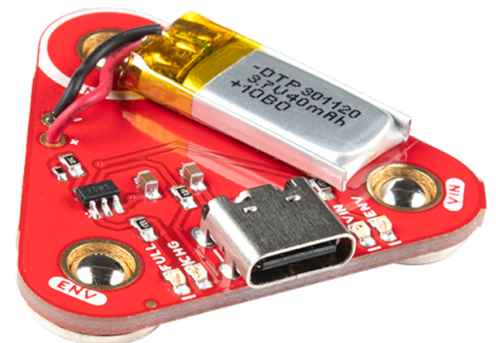
Product Overview

09/19/2022

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

SparkFun MyoWare 2.0 Power Shield is designed to power the MyoWare 2.0 Muscle Sensor for remote applications easily. The MyoWare Power Shield is equipped with snap connectors on the board to easily stack it to the top side of the MyoWare Muscle Sensor. Each board comes with a 40mAh single cell, lithium polymer (LiPo) soldered to the board. Recharge the battery through the USB Type C connector and its dedicated LiPo charging circuit set to a charge rate of 40mA.

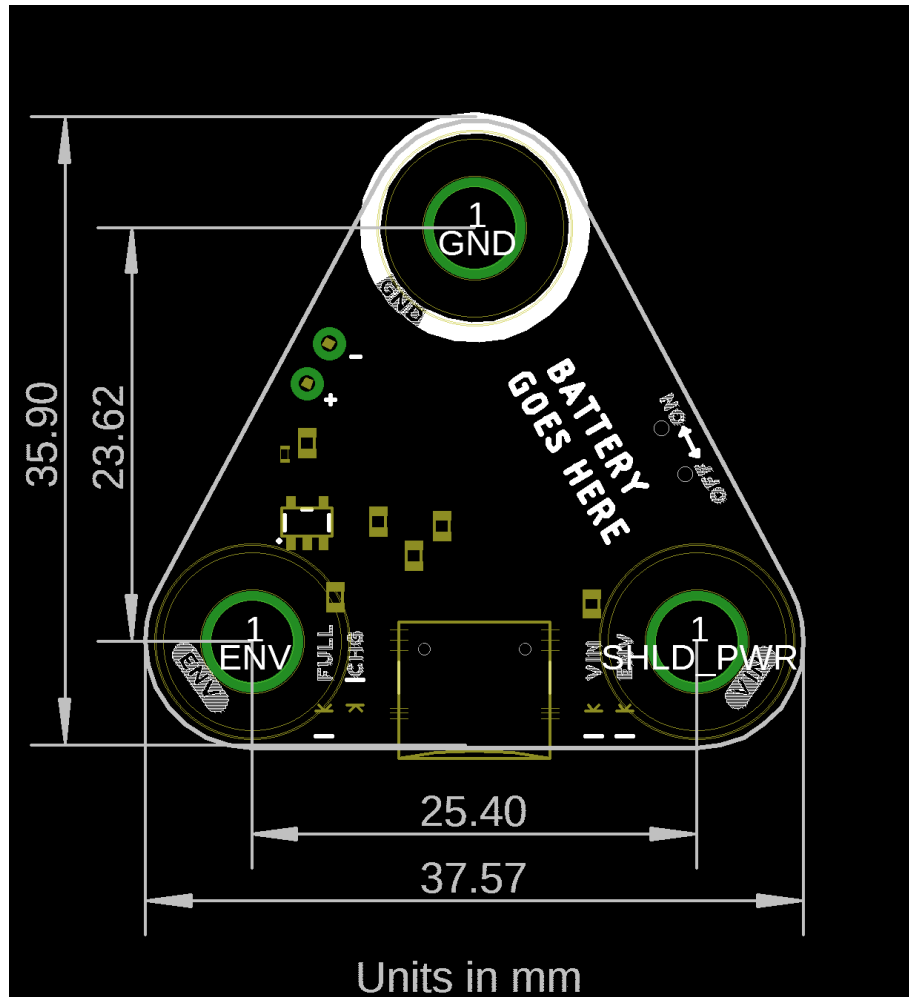


Connecting the MyoWare 2.0 Muscle Sensor to battery power allows for a cleaner signal while also eliminating the possibility of creating a dangerous current path to the power grid. This Power Shield can be used to power your sensor in portable applications.

Features

- Input voltage
 - 5V via USB Type C connector
- Output voltage (e.g. "VIN")
 - Nominal voltage 3.7V
 - Fully charged 4.2V
- Power switch
- Built-in LiPo battery
 - Rated capacity 40mAh
 - Nominal voltage 3.7V
 - Maximum charge current 1C (40mA)
- MCP73831 Single Cell LiPo Charge IC
 - Charge Rate Set to 40mA
- MyoWare® 2.0 Muscle Sensor Form Factor
 - 3x Female Snap Pins (Power and EMG Envelope Output)
- Board dimensions
 - 53.34mm x 59.69mm (2.10" x 2.35")

Board Dimensions



Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/sparkfun/sparkfun-myoware-2-power-shield/>