

Grove Shield FeatherWing for Particle Mesh and all Feathers

PRODUCT ID: 4309

The Grove Shield FeatherWing for Particle Mesh and all Feathers is an add-under for any Particle Mesh or Feather board, so that you can easily interface with Seeed's huge collection of Grove sensors. Now you can have full range of hundreds of Grove modules with Particle Mesh along with our Feather line!

Working with Grove requires no soldering. Just plug the sensors, actuators, or displays into this shield via a Grove cable (not included), so you can focus on coding and making!

You get 8 Grove connectors on this shield, including:

- 3 Grove analog connectors, 2 analog pins each, 6 analog pins in total
- 2 Grove digital connectors, 2 digital pins each, 4 digital pins in total;
- 2 Grove I2C connectors (these will also fit our 4-pin STEMMA connectors)
- 1 Grove UART connector

Please note that this board was designed for Particle Mesh, so the pin numbers next to each Grove connector match the pin numbering used on Particle. If you're using Particle boards, you're good to go! If you're using *other* Feather boards, and only using the UART (RX/TX), I2C (SDA/SCL) or analog pins (A0–A5), the numbering will match up just fine since that's the same on pretty much all Feather boards (some, like the ESP8266, don't have A1–A5 pins). But, for the *digital* connectors, you'll need to look and match the pin numbers from the Feather you've got to a Particle Mesh board since many Feathers have different digital pin numbering. Or use a multimeter to verify connectivity. It's not a big deal as long as you know to watch out for it, and it only affects the 2 digital connectors.

TECHNICAL DETAILS

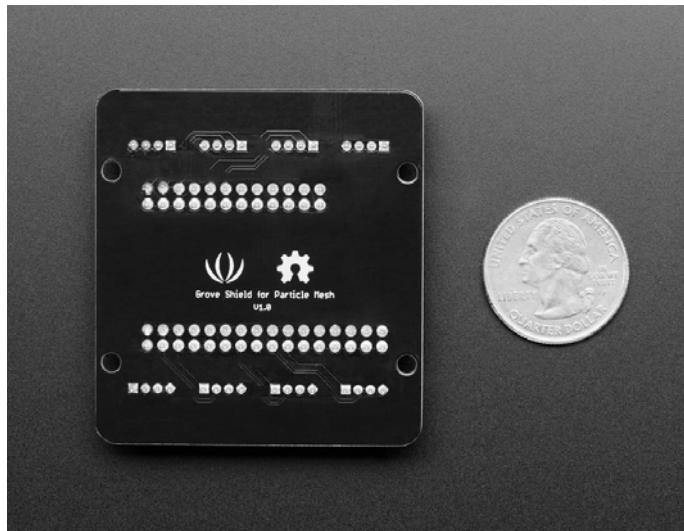
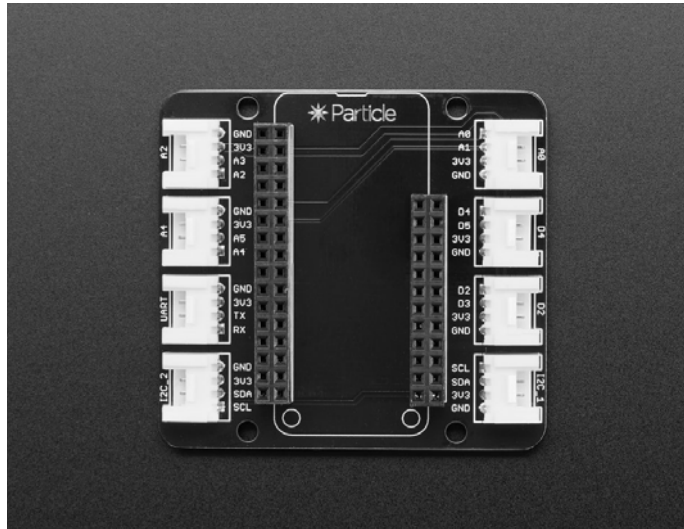
- 8 Grove connectors
- 3.3V compatible
- User Guide <https://spectra-mesh.herokuapp.com/docs/>

Product Dimensions: 57.6mm x 53.0mm x 11.8mm / 2.3" x 2.1" x 0.5"

Product Weight: 18.7g / 0.7oz

- Schematic

https://cdn-shop.adafruit.com/product-files/4309/P4309_Grove%20Shield%20for%20Particle%20Mesh.pdf



<https://www.adafruit.com/product/4309/6-1-20>