**Design Ideas:**

* <https://kevinboone.me/pi-ina219.html>
* ~~Will use 5V supply as IC supply voltage, as most INA219 units have a max of 6V supply voltage~~
  + Most recommend 3.3V input, so will add both options for testing
* SDA pin will be connected to pin 17
* SCL pin will be connected to pin 16
* A0 will be connected to GND, and A1 will be connected to Vs+
* IN+ will be connected to BAT pin of battery management IC
* IN- will be connected to positive terminal of battery connection (pin 14?)

**Component comparison:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Component | JLCPCB Part number | Max supply voltage | Dimensions | Differential V |
| INA219 SOT-23 (8) | C87469 | 6V | 1.63mm x 2.9mm | +- 26V |
| INA219 SOIC (8) | C138706 | 6V | 3.91 mm × 4.90 mm | +- 26V |