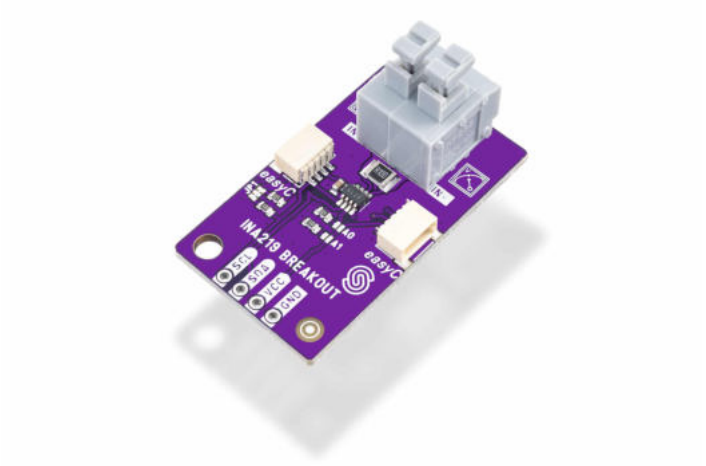
VOLTAGE & CURRENT SENSOR INA219 BREAKOUT



DESCRIPTION

The INA219 is a digital device that allows the measurement of current, voltage, and therefore power. Simply, connect wire serial through this device and it will give all the information provided via I2C communication. It is very simple and reliable to use. It has a jumper for making changes to the I2C address so you can connect more than one INA219 to single microcontroller.

The maximum current of the measurement is determined by the shunt resistor found on the plate which is 0.1ohm (± 3.2A). Yes, it can measure the power in both directions! If you want to measure other currents or smaller currents more precisely, check out the datasheet to change that resistor. The maximum voltage that can be measured is 26V.

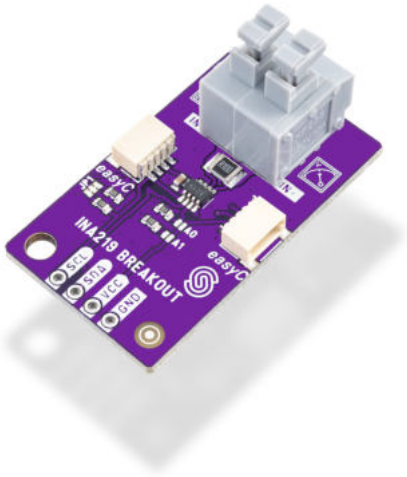
FEATURES

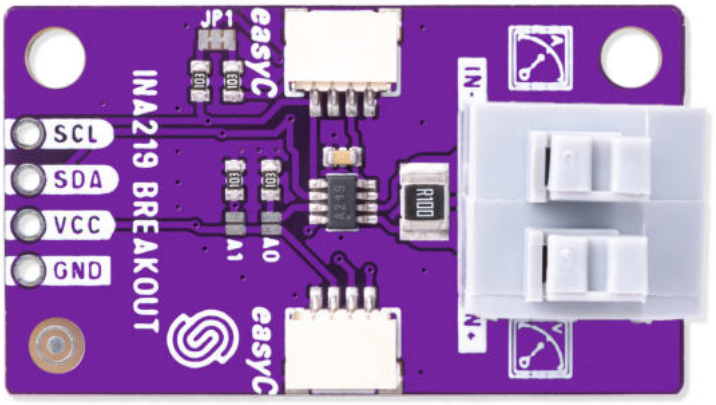
- Power supply voltage: 3V - 5V
- Maximum measuring voltage: 26V
- Maximum measuring current: 3.2A
- ADC: 12-bit
- Dimensions: 38 x 22 mm / 1.5 x 0.9 inch

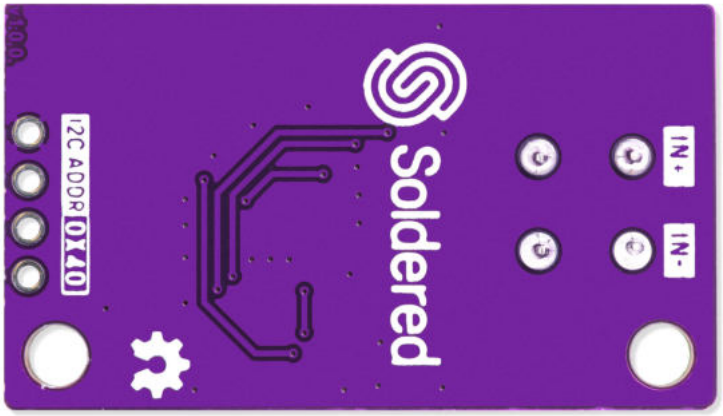
USEFUL LINKS

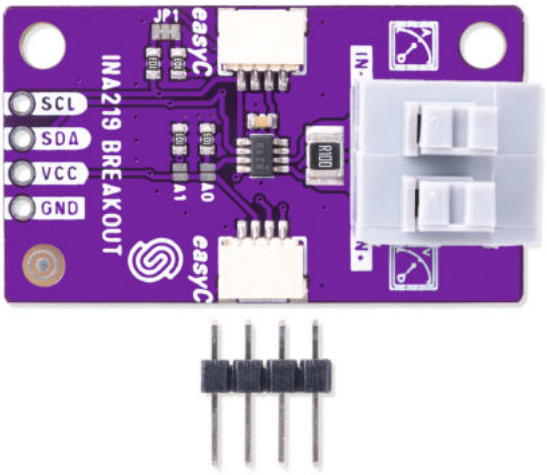
- Arduino library
- Pinout
- Datasheet

OTHER IMAGES









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