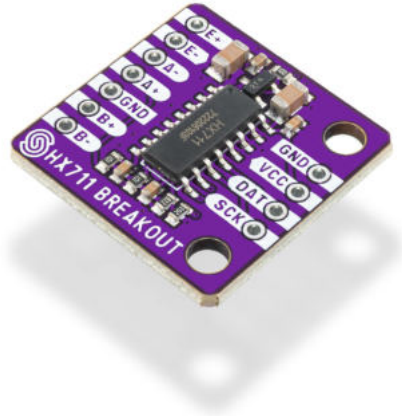


## LOAD-CELL AMPLIFIER HX711 BOARD



**Weight** 5 g

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### DESCRIPTION

The HX711 breakout allows you to easily read the weight value from a load-cell sensor (mass sensor). This small ADC is of great precision and is capable of measuring very small changes in the load-cell resistance, whose signals are amplified with the built-in amplifier. Subsequently, this same information is digitally transmitted to a microcontroller that simply converts the numbers obtained into the actual weight. That's why this breakout is very useful for projects with scales or presence sensors, either for individuals or industry.

Breakout supports the connection of load cells that are made by the Wheatstone Bridge technique, like most of the load cells. They usually have four wires, two for power supply (E + and E-, most often red and black), and two for signal (A + and A-, most commonly white and green wire). The pins for these wires are also indicated on the [PCB](#) and it is easy to connect.

### FEATURES

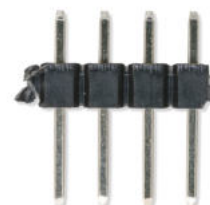
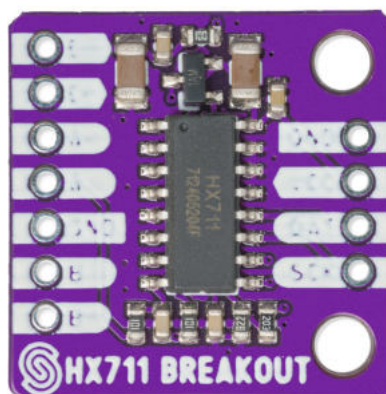
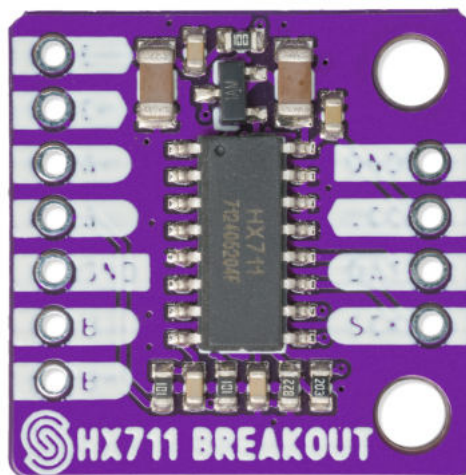
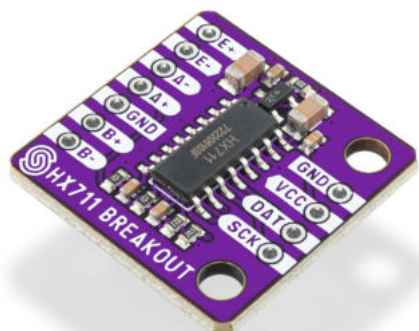
- ADC precision: 24-bit
- Amplification: 128 for A channel, 64 for B channel
- Voltage: 2.7V - 5.5V
- Current: < 1.5mA
- Reading speed: 10SPS (samples per second) or 80SPS - adjustable
- Dimensions: 22 x 22 mm / 0.9 x 0.9 inch

### USEFUL LINKS

- [Arduino library](#)
- [Pinout](#)

- [Datasheet](#)
- [Open-Source Hardware files](#)

## OTHER IMAGES



**Weight**

5 g