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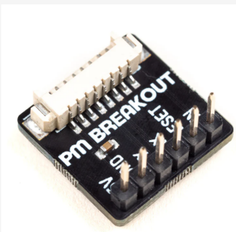
Particulate Matter Sensor Breakout (for PMS5003)

by Pimoroni



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A handy-dandy breakout that converts between the picoblade connector cable on the PMS5003 particulate matter sensor and a standard male 2.54mm pitch header.

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Particulate Matter Sensor Breakout (for PMS5003)
PIM477

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A handy-dandy breakout that converts between the picoblade connector cable on the PMS5003 particulate matter sensor and a standard male 2.54mm pitch header.

Use this breakout to connect a PMS5003 particulate matter sensor straight to your **Raspberry Pi** (or other microcontroller) with some female-to-female jumper jerky, using our PMS5003 Python library to read data from the sensor.

Connect the pins on the breakout to the following pins on your Raspberry Pi:

- 5V to 5V
- GND to ground
- TX to BCM 14
- RX to BCM 15
- RESET to BCM 27
- EN to BCM 22

You can also use this breakout with **Raspberry Pi Pico** (and other RP2040 boards) using our MicroPython library for PMS5003. You can install it easily using Thonny's 'Tools' > 'Manage Packages' (search for 'pms5003-micropython').

Dimensions: 17.7x17.75mm

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"Sensor breakout that is a "nice to have" when isong the PMS5003 sensor."
★★★★★ Semir in Sarajevo, Bosnia and Herzegovina

25 customer reviews

★★★★★
5 months ago
Brilliant for ease of connection to main particles sensor. Simple and easy to use.
by Anonymous about Particulate Matter Sensor Breakout (for PMS5003) via REVIEWS.io

★★★★★
a year ago
Works as advertised
by Anonymous about Particulate Matter Sensor Breakout (for PMS5003) via REVIEWS.io

★★★★★
2 years ago
A good quality product with clearly marked connections. I did experience a problem with my project, because the
by Stephen about Particulate Matter Sensor Breakout (for PMS5003) via REVIEWS.io

★★★★★
3 years ago
Idea part. Now I don't need to cut the sensors connecter wires. Perfect.
by Gary about Particulate Matter Sensor Breakout (for PMS5003) via REVIEWS.io

★★★★★
3 years ago
does exactly what it's meant to do
by Leon about Particulate Matter Sensor Breakout (for PMS5003) via REVIEWS.io

★★★★★
4 years ago
fully adequate for my PMS5003. Pay attention does not suit the PMS7003!
by J-F about Particulate Matter Sensor Breakout (for PMS5003) via REVIEWS.io

★★★★★
4 years ago
everything is fine, except delivery time too long due to customs clearance
by Daniel about Particulate Matter Sensor Breakout (for PMS5003) via REVIEWS.io

★★★★★
4 years ago
Exactly as described
by Richard about Particulate Matter Sensor Breakout (for PMS5003) via REVIEWS.io

★★★★★
4 years ago
Excellent little board, works perfectly. Do note that RX does connect to RX of Pi and TX to TX, as per the
by Kevin about Particulate Matter Sensor Breakout (for PMS5003) via REVIEWS.io

★★★★★
4 years ago
Just right.
by Z.H. about Particulate Matter Sensor Breakout (for PMS5003) via REVIEWS.io

★★★★★
4 years ago
Sensor breakout that is a "nice to have" when isong the PMS5003 sensor.
by Semir about Particulate Matter Sensor Breakout (for PMS5003) via REVIEWS.io

★★★★★
4 years ago
Essential for easy breakout of the pins into a proto board layout.
by Steven about Particulate Matter Sensor Breakout (for PMS5003) via REVIEWS.io

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