

Basic Fingerprint Sensor With Socket Header Cable

PRODUCT ID: 4690

DESCRIPTION-

Secure your project with biometrics - this all-in-one optical fingerprint sensor will make adding fingerprint detection and verification super simple. It's easy to use and more affordable than ever!

These modules are typically used in safes - there's a high powered DSP chip that does the image rendering, calculation, feature-finding, and searching. Connect to any microcontroller or system with TTL serial, and send packets of data to take photos, detect prints, hash, and search.

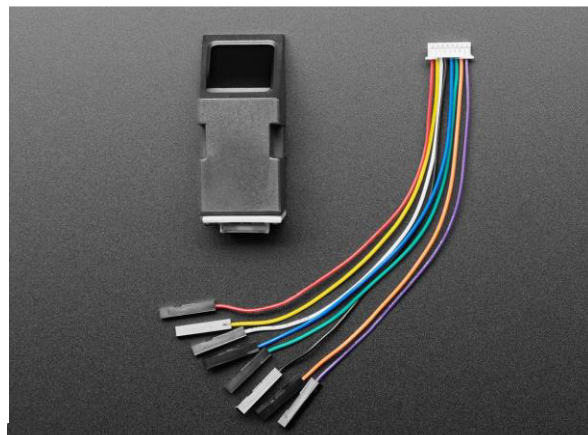
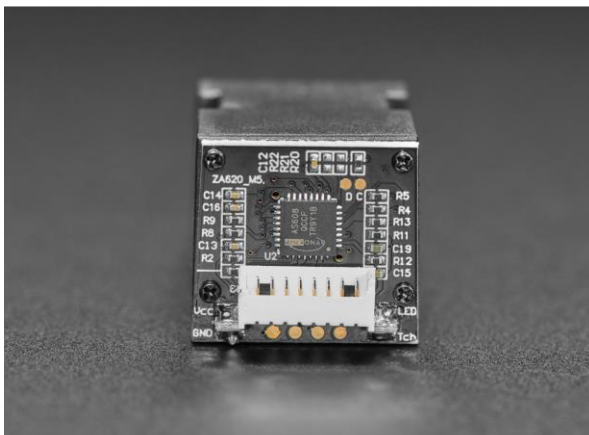
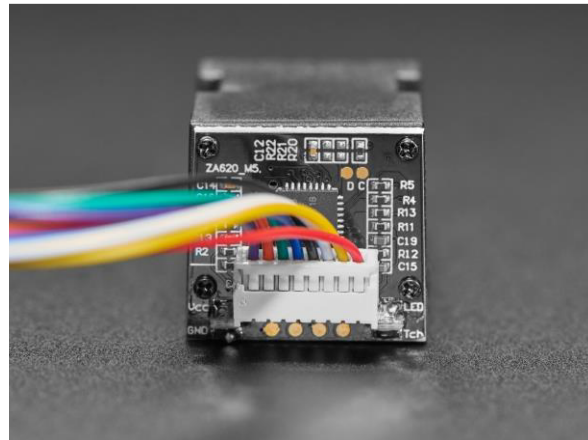
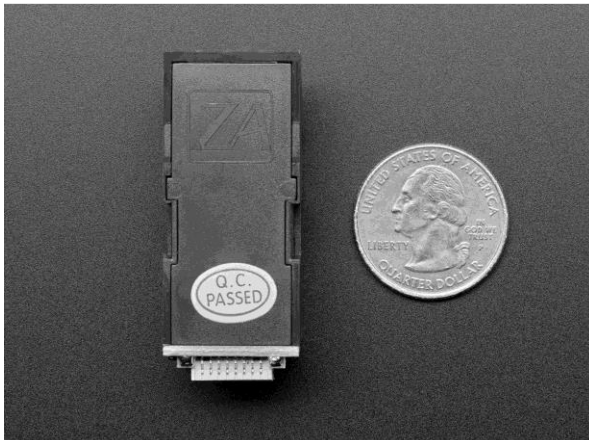
It comes with an 8-pin 1mm pitch connector with 0.1" header sockets for plug-and-play with a breadboard or dev kit. You can also easily cut off and solder directly to the wires. The cable is color-coded so it's easy to wire up:

- Red is 3.3V power
- Yellow is TTL Serial TX
- White is TTL Serial RX
- Black is Ground

But, of course, we wouldn't leave you a manual and a "good luck!" - we've written both an Arduino library and CircuitPython library so that you can get running in under 10 minutes. The library can enroll and search so it's perfect for any project. We've also written a detailed tutorial on wiring and use of these types fingerprint sensors.

TECHNICAL DETAILS-

- Diagram



<https://www.adafruit.com/product/4690/9-8-20>