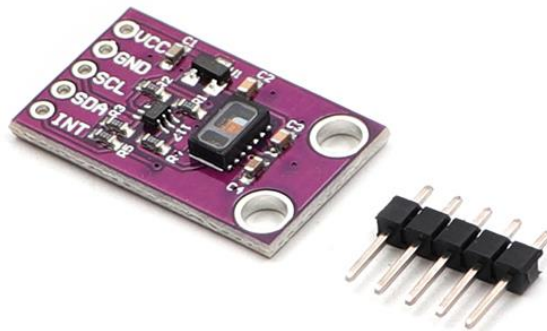


Optical Sensor Particle Sensing Smoke Flame Detection Module

Model: CJMCU-30105 MAX30105



Description:

The MAX30105 is an integrated particle-sensing module. It includes internal LEDs, photodetectors, optical elements, and low-noise electronics with ambient light rejection. The MAX30105 provides a complete system solution to ease the design-in process of smoke detection applications including fire alarms. Due to its extremely small size, the MAX30105 can also be used as a smoke detection sensor for mobile and wearable devices.

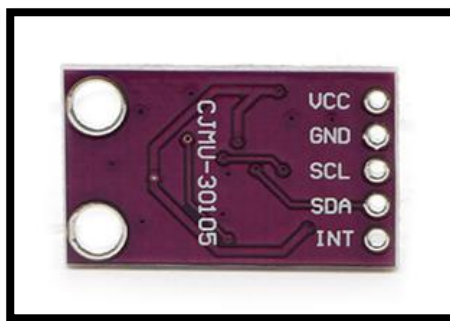
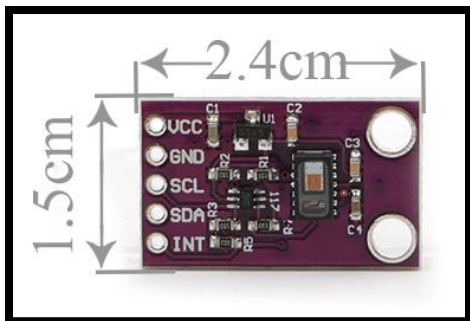
The MAX30105 operates on a single 1.8V power supply and a separate 5.0V power supply for the internal LEDs.

It communicates through a standard I2C-compatible interface. The module can be shut down through software with zero standby current, allowing the power rails to remain powered at all times.

Applications:

- Fire Alarms.
- Smoke Detectors for Building Automation.
- Smoke Detectors for Mobile Devices.
- Smoke Detectors for Wearable Devices.

More Detailed Photos:



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