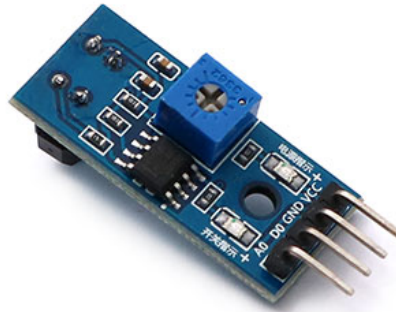


Infrared Tracking Sensor Module 1 Channel

Model: TCRT5000



Description:

This IR reflective sensor utilizes a TCRT5000 to detect color and distance. It emits IR rays and then detects if it receives the reflection. This sensor is often used in line following robots, auto data logging on utility meters, because this module can sense if a surface is white or black.

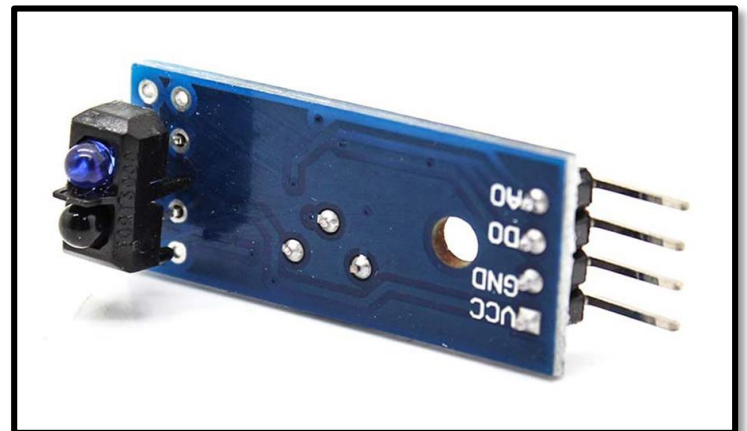
The infrared diode emits the infrared ray continuously when the module connects to the power, when the emitted infrared light has not been reflected or the strength is not big enough, it will be in the off state, at this time, D0 output logic is LOW and the signal indicates LED off.

Features:

1. The use of TCRT5000 infrared reflection sensor
2. Detection of reflective distance: 1mm~25mm application
3. The comparator output, the signal is clean, the waveform is good, and the driving ability is strong, more than 15mA.
4. With potentiometer adjustment sensitivity
5. Working voltage 3.3V-5V
6. Output mode: digital switching output (0 and 1)
7. With a fixed bolt hole, easy to install
8. Small size: 3.2cm x 1.4cm PCB
9. Using a wide voltage LM393 comparator

Application:

- Data sampling pulse meter
- Fax paper shredder detection
- Obstacle detection
- Black and white line detection



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