

AB019

FINGER DETECTING HEARTBEAT MODULE KY 039



- 1 x Finger Measuring Heartbeat Sensor Module
- Model : KY-039 5V
- This project uses bright infrared (IR) LED and a phototransistor to detect the pulse of the finger, a red LED flashes with each pulse.
- We chose a very high resistance resistor R1, because most of the light through the finger is absorbed, it is desirable phototransistor sensitive enough. Resistance can be selected by experiment to get the best results.
- The most important is to keep the shield stray light into the phototransistor. For home lighting that is particularly important because the lights at home mostly based 50HZ or 60HZ fluctuate, so faint heartbeat will add considerable noise.