

# FINGER PRINT SENSOR

## ABSTRACT

The fingerprint sensor we are using is an optical type, there exists two more styles of sensor like capacitive which may be determined in smart telephones and ultrasonic ones, that are yet in trying out segment, and each those alternatives are pricey, so we can attention on this optical kind for this interest electronics and similar initiatives. The way this optical fingerprint sensor works is that it captures a picture of our finger ridges, after which it makes use of certain set of rules to fit it with stored statistics and presentations end result of the identical.

That is an arduino compatible fingerprint module. With the high speed DSP processor, it could additionally paintings with different serial device, like MSP430, 51, AVR, PIC, STM32, ARM and FPGA tool. This fingerprint module may want to paintings alone with none main computer or any computer software. It could store 1000 fingerprint. Help fingerprint access, clever photograph processing, fingerprint assessment and fingerprint search mode. It additionally has a high sensitivity to each wet and dry fingerprint popularity.

PURPOSE TECHNOLOGY

## Block Diagram

