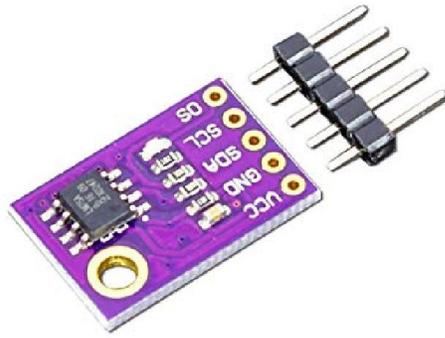


# CJMCU-75 LM75 Temperature Sensor High-speed I2C Development Board



## Features:

1. I2C bus interface, the device address 7 slave address 1001xxx, can expand external eight devices on the same bus;
2. Power range: 2.8V ~ 5.5V, temperature range: -55~+125'C;
3. 11bit ADC provides a temperature resolution of 0.125'C;
4. Temperature accuracy:  $\pm 2^{\circ}\text{C}$  (-25~100'C),  $\pm 3^{\circ}\text{C}$  (-55~125'C)
5. Programmable temperature threshold and hysteresis set points;
6. In order to reduce power consumption, the current consumption in shutdown mode is only 1.0uA;
7. On power-up the device can be used as a stand-alone temperature controller

## ESD protection:

JESD22A114 standard: through 2000V HBM mode

JESD22A115 standard: through 200V MM mode

JESD22-C101 standard: through 1000V CDM mode

JEDEC (JESD78) standard: latch-up test can up to 100mA

Small 8pin package: SO8, TSSOP8 and super small package of XSON8U