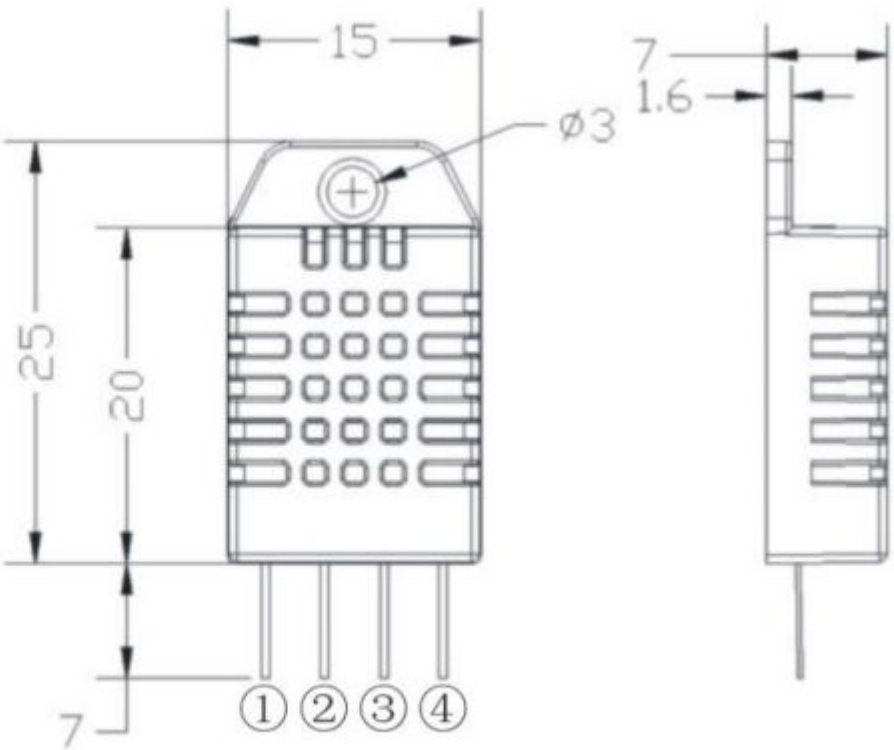
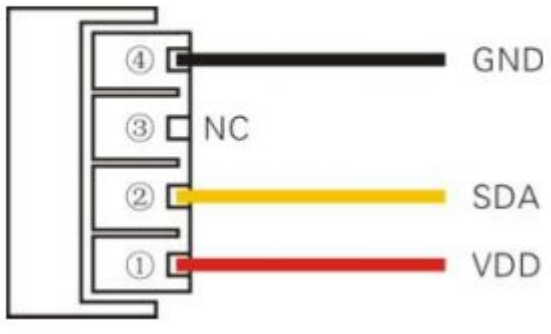
DHT22/AM2302

实物图



外形尺寸（单位：mm）

Pin config



Pin	Name	Description
1	VDD	Power (3.3V -5.5V)
2	SDA	Serial data interface, two-way interface
3	NC	NC
4	GND	Ground

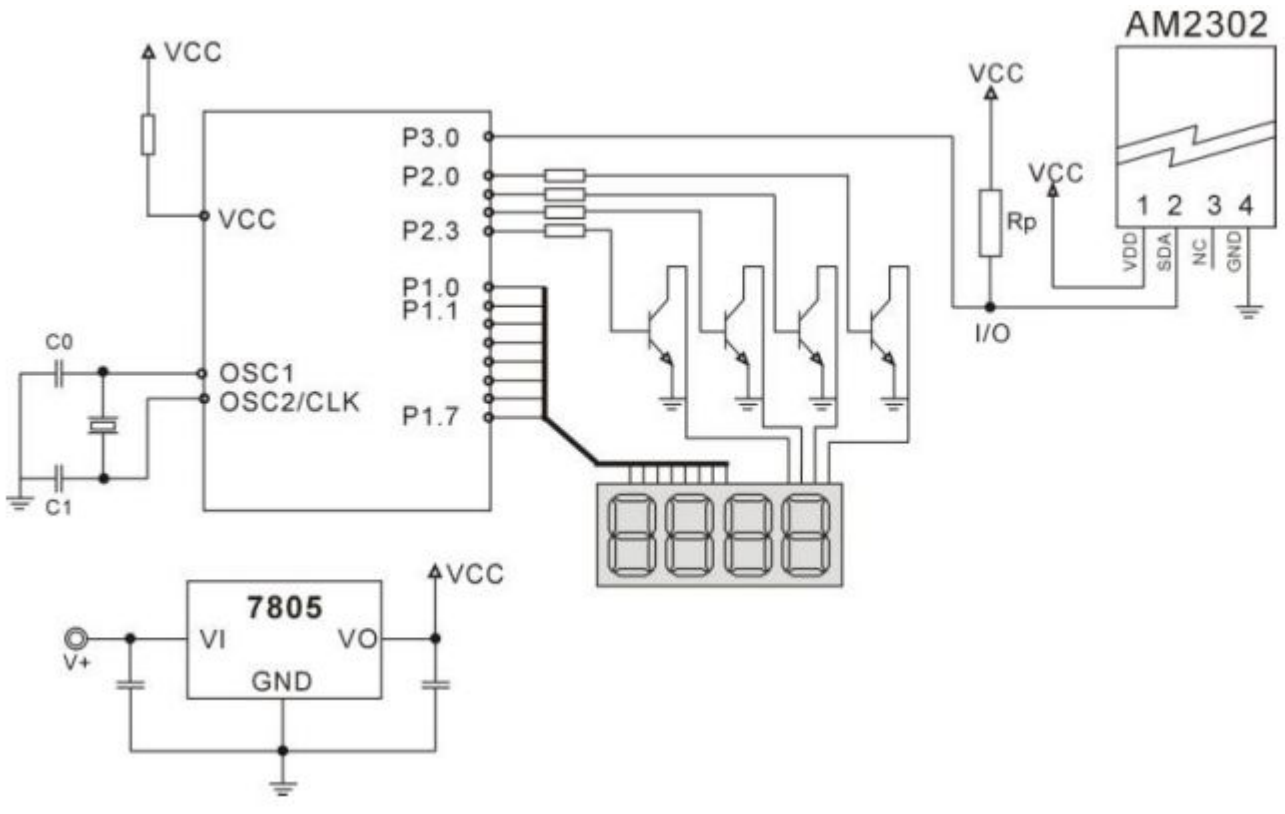
LINE CONNECTION

Microprocessor connected with AM2302 typical application circuit as shown in figure 4. Pull up after single bus communication mode, the SDA and microprocessor Device connected to the I/O port.

SINGLE BUS COMMUNICATION SPECIAL INSTRUCTIONS

1. Typical application circuit suggested in cable length shorter than 30 metres in 5.1 K pull-up resistors, more than 30 m according to the actual conditions to reduce the resistance value.
2. Using a 3.3 V voltage supply cable length shall not be greater than 30 cm. Or line pressure drop will cause the sensor power supply shortage, cause measurement deviation.
3. Read the sensor minimum time interval for 2 s; Read the time interval is less than 2 s, may lead to temperature and humidity do not prohibit or communication work, and so on and so forth.
4. Every time MCU read values are the result of the last measurement, the data of temperature and humidity for real-time data, need to read two consecutive times, suggested that continuous
   read sensor for many times, and each read sensor interval greater than 2 seconds to obtain accurate data.

figure 4:



More Detail See: AM2302.pdf

Test code see attachment,.
(Only AVR and C51 included)