7.0inch_Squareline_Demo Download Introduction
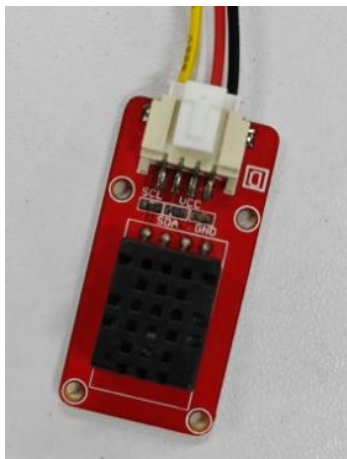
1. Operation before downloading cases

(1) Place all the lib library files provided in the folder into the libraries file of the arduino.
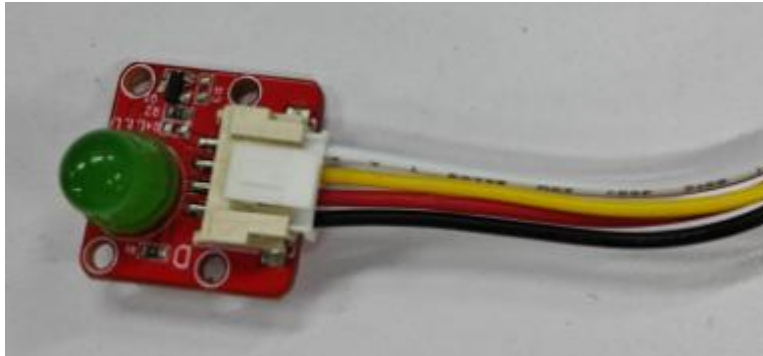

Sensor wiring:

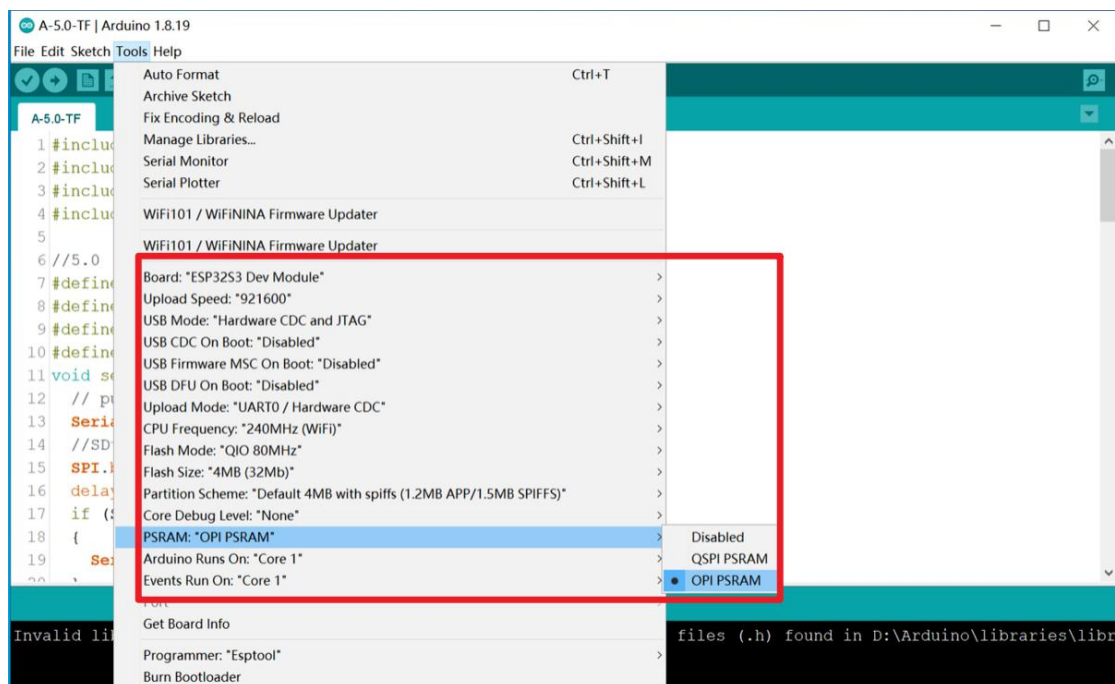(1) Temperature and humidity sensor (Crowtail-DHT20-V1.0) with IIC interface

(2) LED to IO38 port

2. Use arduino software to open 7.0inch_Squareline_Demo.ino, arduino related operations can refer to this screen wiki

(https://www.elecrow.com/wiki/index.php?title=ESP32_Display_7.0%27%27_Intelligent_Touch_Screen_Wi-Fi%26BLE_800*480_HMI_Display)

Download Settings:

3. Download the programme.

4. Operational effects.

5. Explanation of key points with MQTT

(1) WiFi and server address settings, the network needs to be in the same LAN, the server address and port that is the address and port automatically generated by Raspberry Pi.

(2) MQTT theme settings, the specific parameters are set according to the contents of

the configuration.yaml file on the MQTT server.

```
27
28 // Temperature MQTT Topics
29 #define MQTT_PUB_LED_S  "esp32/led/state"
30 #define MQTT_PUB_LED_C "esp32/led/command"
31 #define MQTT_PUB_TEMP "esp32/temperature"
32 #define MQTT_PUB_HUM  "esp32/humidity"
33 #define mqtt_username  "elecrow"
34 #define mqtt_password  "elecrow2014"
35
```