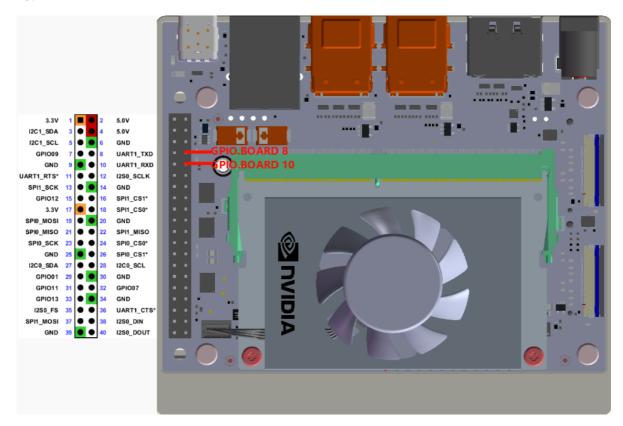
# Serial communication

#### **Serial communication**

- 1. GPIO pin diagram
- 2. Serial port test
  - 2.1. Install cutecom
  - 2.2. Use cutecom
- 3. Experimental effect

# 1. GPIO pin diagram

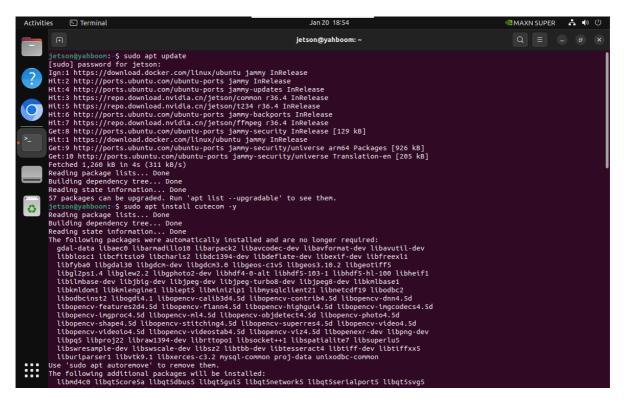
GPIO.BOARD pin 8 corresponds to GPIO.BCM 14, GPIO.BOARD pin 10 corresponds to GPIO.BCM 15:



## 2. Serial port test

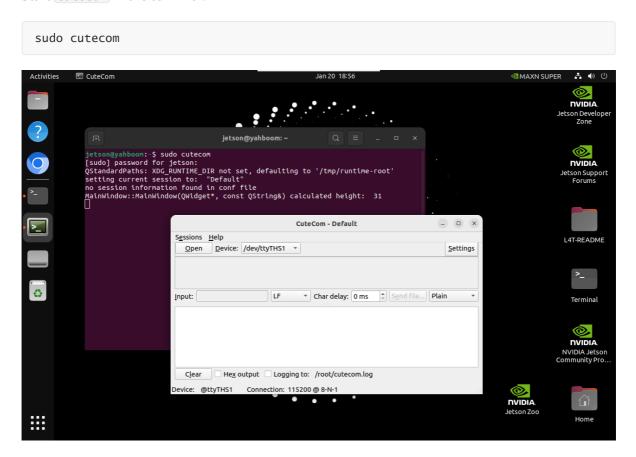
#### 2.1. Install cutecom

sudo apt update
sudo apt install cutecom -y



#### 2.2. Use cutecom

Start cutecom in the terminal:



### 3. Experimental effect

Use a jumper cap or Dupont wire to short-circuit GPIO.BOARD 8 and GPIO.BOARD 10 pins.

Use cutecom to open the /dev/ttyTHS1 serial port number: Enter the data to be sent by the serial port in Input, the upper window displays the data sent by the /dev/ttyTHS1 serial port, and the lower window displays the data received by /dev/ttyTHS1:

Note: Do not connect incorrectly or cause the pins to short-circuit, as mistakes may damage the motherboard hardware!

