GPIO Description

The Jetson.GPIO library of the Jetson series motherboards allows developers to interact with external hardware devices through the 40-pin GPIO pins.

1. GPIO numbering

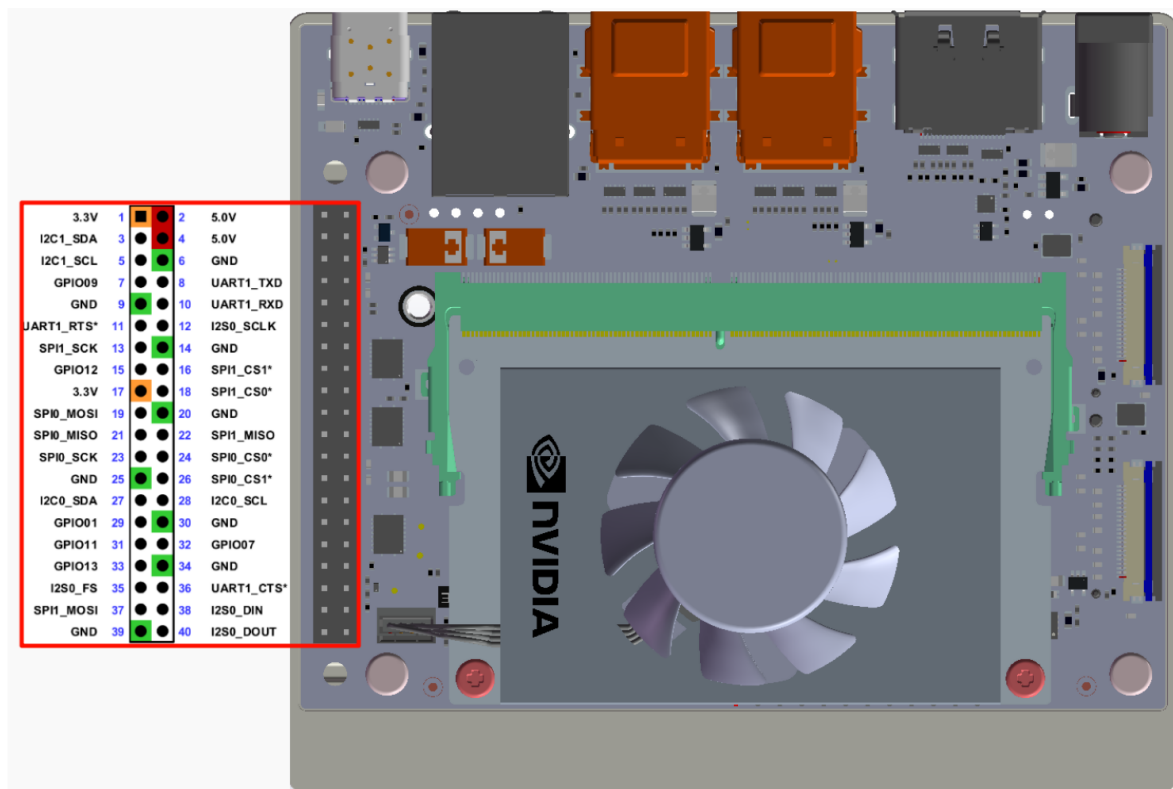Jetson.GPIO library supports two common numbering modes: BOARD and BCM mode

Note: The tutorial only demonstrates GPIO.BOARD mode

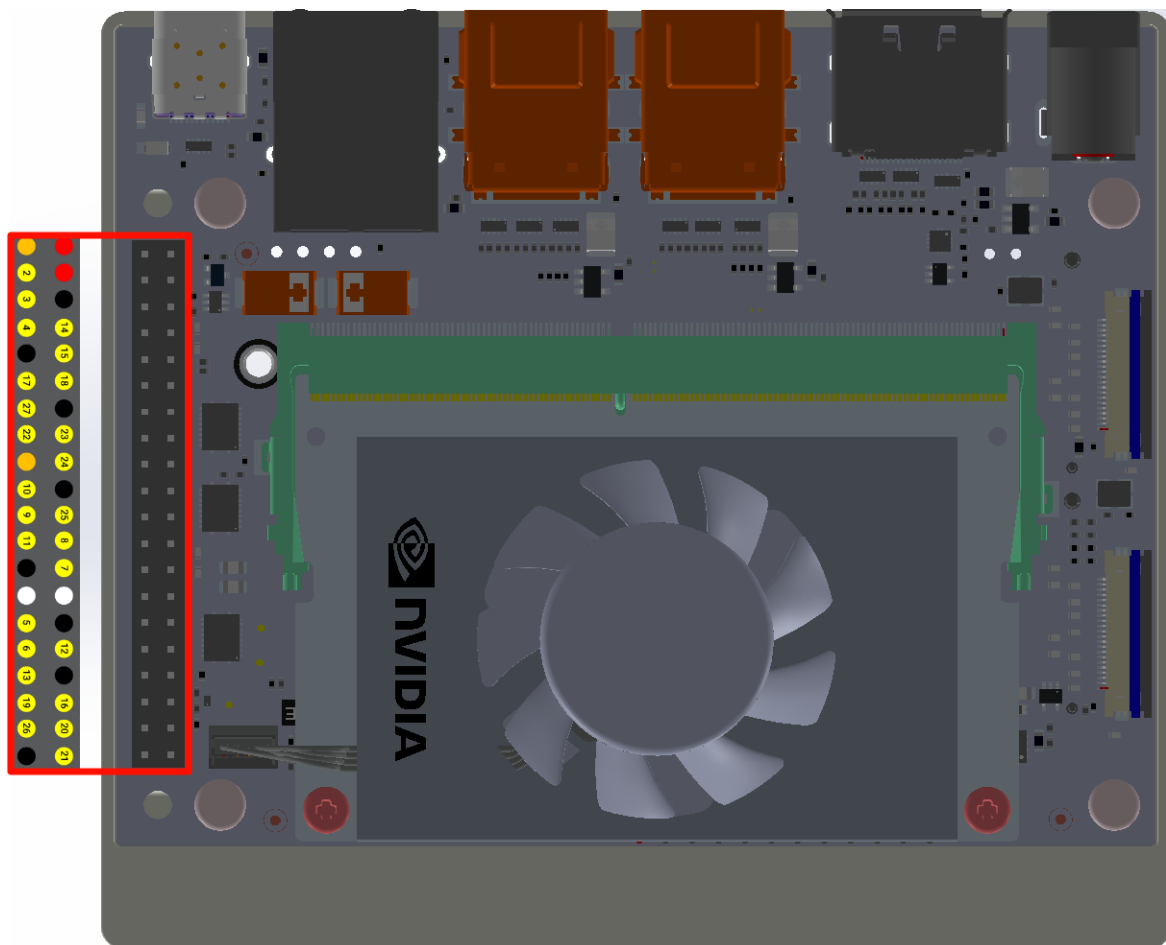| Mode	Numbering method
GPIO.BOARD	Numbering based on physical pins (1-40)
GPIO.BCM	GPIO logical numbering based on Broadcom chips (directly corresponding to the GPIO channels on the hardware chip)

2. GPIO pins

2.1. GPIO.BOARD mode

One-to-one correspondence between BOARD mode pins and 40Pin pins on the motherboard:

2.2. GPIO.BCM mode

One-to-one correspondence between BCM mode pins and 40Pin pins on the motherboard:

3. Other pins

12Pin pin description under the Jetson core board:

LED-
LED+
UART RXD
UART TXD
DIS
AUTO ON
GND
SYS RST
GND
FC REC
GND
PWR BTN