

### Jetson nano pin comparison table

Classification	Function	Jetson nano pin BCM number	Jetson nano physical pin number	Remarks
OLED	I2C1--SCL	1	28	I2C address : 0x3C
	I2C1--SDA	0	27	
PCA9685 +	I2C2--SCL	3	5	PCA9685:I2C address : 0x40
RGB Strip	I2C2--SDA	2	3	RGB : I2C address : 0x1B
Serial bus servo	UART2 serial 2 TX	14	8	Annex\Hardware\Serial bus servo protocol file
LED	LED2	24	18	Low level:ON / High level:OFF
	LED3	23	16	Low level:ON / High level:OFF
Button	KEY1	8	24	Low level:Press / High level:No Press
	KEY2	7	26	Low level:Press / High level:No Press
Buzzer	FM	6	31	Low level:sound

### PCA9685 Motor drive comparison table

Function	PCA9685 channle number	PCA9685 physical pin number	Remarks
Motor 1	IN1A	8	Right motor
	IN1B	9	
Motor 2	IN2A	10	Left motor
	IN2B	11	
Motor 3	IN3A	12	up down motor
	IN3B	13	
Onboard RGB	PWM5	4	under the JETBOT logo

