

Tinybit hardware interface manual

Category	Function	Number	Drive	The number of Drive pin	The number of connected to the controller	micro:bit
Buzzer	Buzzer	FM	Micro:bit drive directly		FM	P0
Voice sensor	Voice sensor	MIC			MIC	P1
LED light	Water light	LED-RGB			LED-RGB	P12
Tracking sensor	Left tracking	L-DET			L-DET	P13
	Right tracking	R-DET			R-DET	P14
Ultrasonic module	Echo pin	ECHO			ECHO	P15
	Trigger pin	TRIG			TRIG	P16
Infrared receiver	Infrared remote control	RX			RX	P8
		SCL			SCL	P19
I2C interface	I2C interface	SDA			SDA	P20
Motor	Left motor Forward	L-INA	STM8S	PC6/TIM1_CH1	SCL, SDA	P19, P20
	Left motor Reverse	L-INB		PC7/TIM1_CH2		
	Right motor Forward	R-INA		PC3/TIM1_CH3		
	Right motor Reverse	R-INB		PC4/TIM1_CH4		
RGB Searching light	Red	LED-R		PC5/TIM2_CH1		
	Green	LED-G		PD3/TIM2_CH2		
	Blue	LED-B		PD2/TIM2_CH3		