

SENSOR	SENSOR PINS	MORPHO PINS
8-Array	GND	GND
	Vcc	5V
	CTRL(odd)	C8
	1	C0
	3	B0
	5	N/A
	7	C4
	9	B1
	11	N/A
	13	C3
	15	C1

Single Array (L)	GND	GND
	Vcc	5V (shoe)
	CTRL	N/A
	1	A4

Single Array (R)	GND	GND
	Vcc	5V (shoe)
	CTRL	N/A
	1	A5

Motor (L)	SLP	C5
	DIR	B7
	PWM	B6

Motor (R)	SLP	C2
	DIR	C6
	PWM	C7

Encoder (L)	ELA	A0
	ELB	A1

Encoder (R)	ERA	B4
	ERB	B5

IMU (BNO055)	Vin	3V3 (shoe)
	3vo	N/A
	GND	GND
	SDA	B9
	SCL	B8
	RST	N/A

SENSOR	SENSOR PINS	MORPHO PINS
IR (Front)	Vcc	3V3 (shoe)
	GND	GND
	OUT	A6

IR (Front)	Vcc	3V3 (shoe)
	GND	GND
	OUT	A7