

Module	Module Pin Name	Pico Pin Name	Other Connection	Description
Light Sensor PCB	Pico 3v3	3V3 (OUT)		Power
	Pico GND	GND		Power
	Pico SPI_CLK	GP2		SPI 0
	Pico SPI_MISO	GP4		SPI 0
	Pico SPI_MOSI	GP3		SPI 0
	Pico SPI_CS	GP5		SPI 0
Regulator PCB	Out +		Out + (DC-DC)	Power
	Out -		Out - (DC-DC)	Power
	P +		P + (BMS)	Power
	P -		P - (BMS)	Power
	5V	VBUS		Power
	Sensed GND		<i>User Ground</i>	
	Pico Sense Load	GP27		ADC
BMS	P +		P + (Regulator PCB)	Power
	P -		P - (Regulator PCB)	Power
	B +		LiPo 7.2V	Power
	BM		LiPo 3.6V	
	B -		LiPo GND	Power
DC-DC Step Up	In +		~6V (Panel)	Power
	In -		GND (Panel)	Power
	Out +		Out + (Regulator PCB)	Power
	Out -		Out - (Regulator PCB)	Power
Panel	~6V		In + (DC-DC)	Power
	GND		In - (DC-DC)	Power
	Pico Panel Sense	GP26		ADC
	Pico GND	GND		Power
Servo Up-Down		GP14		PWM
Servo Left-Right		GP15		PWM