

Orange Pi Zero 2W

Standard Hardware Configuration

		3.3V	1	0	0	2	5V			
I2C1 SDA	GPIO2	PI8	3	0	0	4	5V			
I2C1 SCL	GPIO3	PI7	5	0	0	6	GND			
PWM2	GPIO4	PI13	7	0	0	8	PH0	GPIO14	TXD0	
		GND	9	0	0	10	PH1	GPIO15	RXD0	
	GPIO17	PH2	11	0	0	12	PI1	GPIO18		
	GPIO27	PH3	13	0	0	14	GND			
	GPIO22	PI5	15	0	0	16	PI14	GPIO23	PWM3	
		3.3V	17	0	0	18	PH4	GPIO24		
SPI0 MOSI	GPIO10	PH7	19	0	0	20	GND			
SPI0 MISO	GPIO9	PH8	21	0	0	22	PI6	GPIO25		
SPI0 SCLK	GPIO11	PH6	23	0	0	24	PH5	GPIO8	SPI0 CE0	
		GND	25	0	0	26	PH9	GPIO7	SPI0 CE1	
I2C2 SDA	GPIO0	PI10	27	0	0	28	PI9	GPIO1	I2C2 SCL	
	GPIO5	PI0	29	0	0	30	GND			
	GPIO6	PI15	31	0	0	32	PI11	GPIO12	PWM0	
PWM1	GPIO13	PI12	33	0	0	34	GND			
	GPIO19	PI2	35	0	0	36	PC12	GPIO16		
	GPIO26	PI16	37	0	0	38	PI4	GPIO20		
		GND	39	0	0	40	PI3	GPIO21		
1	2	3					4	5	6	

Column 1, 2, 5, and 6 pin names match Raspberry Pi GPIO header pin names.
 Column 3 and 4 pin names match the Orange Pi Zero 2W schematic diagram.

Revised 3 March 2025