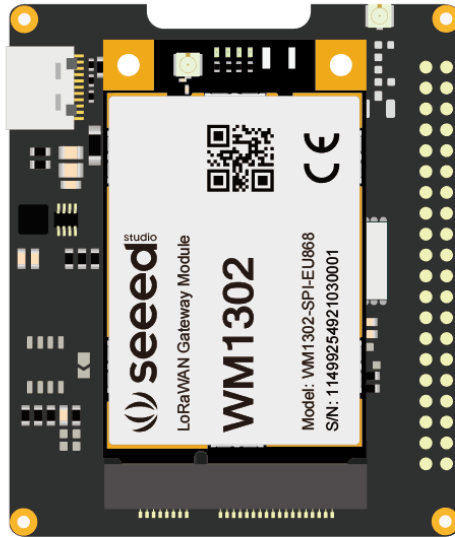


# WM1302 Pi Hat Pinout



NC	1	2	5V
I2C_SDA	3	4	5V
I2C_SCL	5	6	GND
NC	7	8	GPS_RXD
GND	9	10	GPS_TXD
RESET	11	12	SX1262_BUSY
NC	13	14	GND
NC	15	16	SX1262_IO1
NC	17	18	SX1262_IO2
SPI_MOSI	19	20	GND
SPI_MISO	21	22	GPR_RST
SPI_SCK	23	24	SX1302_CSN
GND	25	26	NC
ID_SD	27	28	ID_SC
SX1262_RST	29	30	GND
SX1262_CSN	31	32	GPS_WAKE_UP
NC	33	34	GND
NC	35	36	NC
NC	37	38	NC
GND	39	40	NC

- PO - Power
- GND - Ground
- DI - Digital Input
- DO - Digital Output
- DIO - Bidirectional
- NC - No Connection

No.	Raspberry Pi GPIO	WM1302 Pi Hat Pin Name	IO Type	function
1	3V3 power	NC		
2	5V power	5V	Power	
3	GPIO 2(SDA)	I2C_SDA	DIO	I2C Data for Temperature Sensor & Authentication chip
4	5V power	5V	Power	
5	GPIO 3(SCL)	I2C_SCL	DI	I2C Clock for Temperature Sensor & Authentication chip
6	Ground	GND	Ground	
7	GPIO 4(GPCLK0)	NC		
8	GPIO 14(TXD)	GPS_RXD	DI	GPS UART RXD
9	Ground	GND	Ground	
10	GPIO 15(RXD)	GPS_TXD	DO	GPS UART TXD
11	GPIO 17	RESET	DI	Reset Pin Active high, when SPI version Active Low, when USB version
12	GPIO 18(PCM_CLK)	SX1262_BUSY	DO	SX1262 BUSY Pin
13	GPIO 27	NC		
14	Ground	GND	Ground	
15	GPIO 22	NC		
16	GPIO 23	SX1262_IO1	DIO	SX1262 DIO1 Pin
17	3V3 power	NC		
18	GPIO 24	SX1262_IO2	DIO	SX1262 DIO2 Pin
19	GPIO 10(MOSI)	SPI_MOSI	DI	SPI MOSI
20	Ground	GND	Ground	
21	GPIO 9(MISO)	SPI_MISO	DO	SPI MISO
22	GPIO 25	GPS_RST	DI	Active high at least 10ms to reset GPS module
23	GPIO 11(SCLK)	SPI_SCK	DI	SPI Clock
24	GPIO 8(CE0)	SX1302_CSN	DI	SX1302 Chip select
25	Ground	GND	Ground	
26	GPIO 7(CE1)	NC		
27	GPIO 0(ID_SD)	ID_SD	DIO	I2C Data for EEPROM
28	GPIO 1(ID_SC)	ID_SC	DI	I2C Clock for EEPROM
29	GPIO 5	SX1262_RST	DI	SX1262 Reset Pin
30	Ground	GND	Ground	
31	GPIO 6	SX1262_CSN	DI	SX1262 Chip select
32	GPIO 12(PWM0)	GPS_WAKE_UP	DI	Active high for GPS module enter Standby mode
33	GPIO 13(PWM1)	NC		
34	Ground	GND	Ground	
35	GPIO 19 (PCM_FS)	NC		
36	GPIO 16	NC		
37	GPIO 26	NC		
38	GPIO 20(PCM_DIN)	NC		
39	Ground	GND	Ground	
40	GPIO 21(PCM_DOUT)	NC		