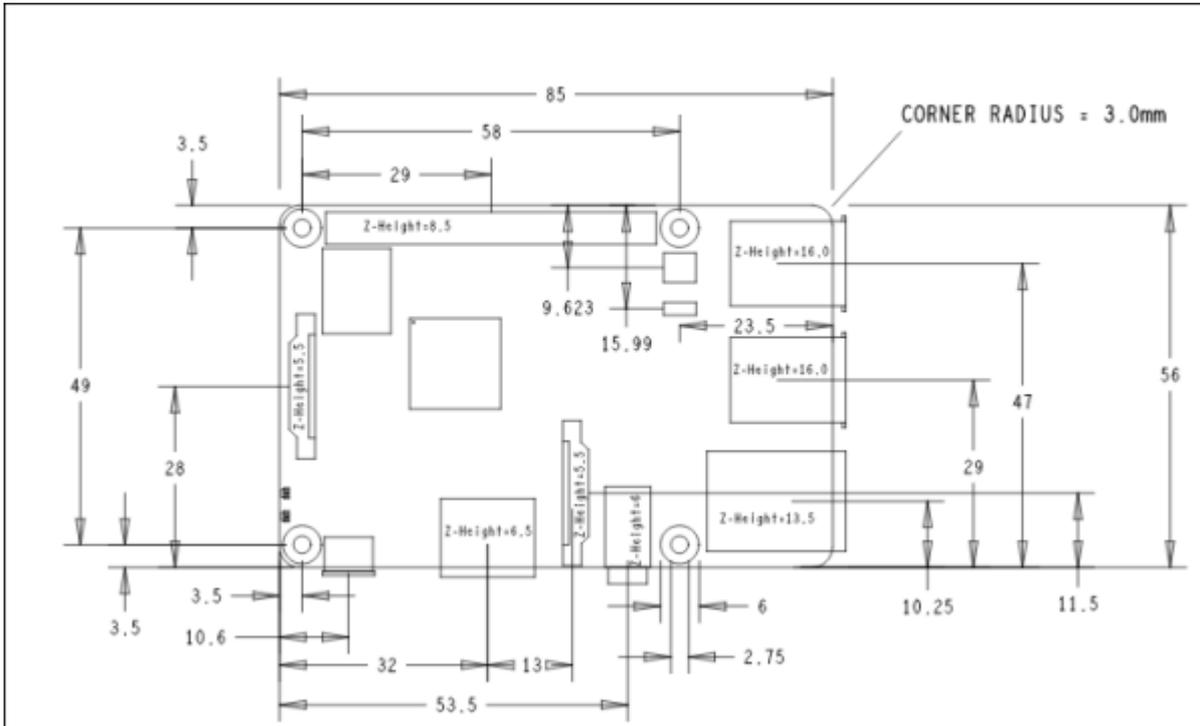


# Gateway RAK831

## Shield para conexión a Raspberry y GPS

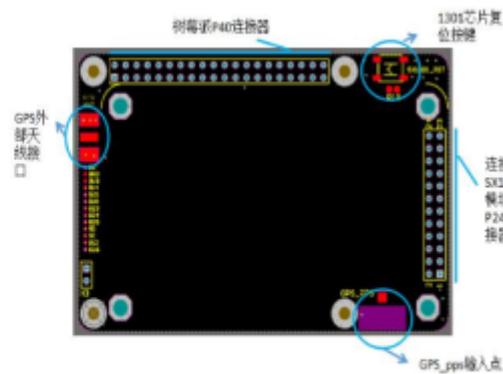
### Medidas de raspberry pi 3 b+

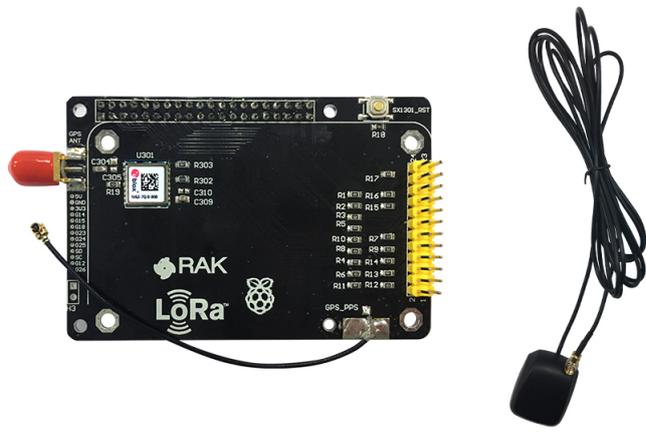
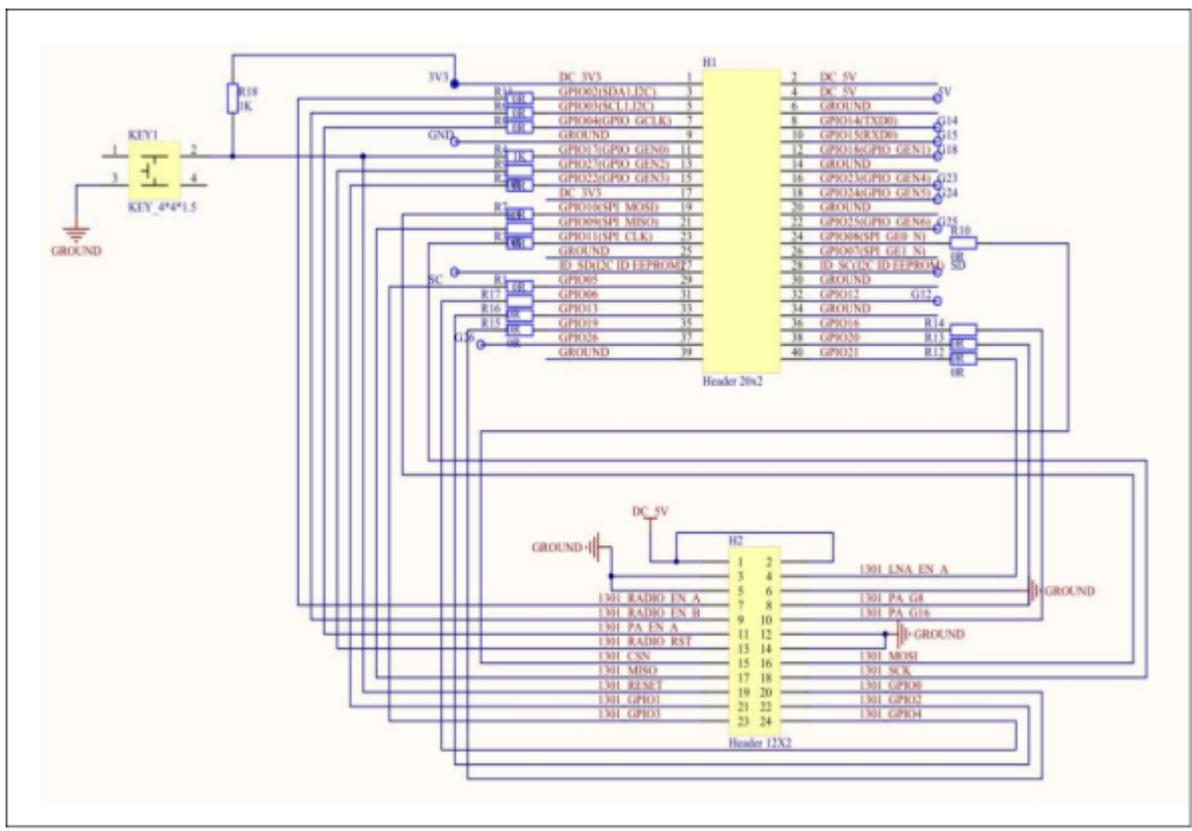


#### 1、SX1301 模块管脚和树莓派管脚对照表

树莓派管脚列表		树莓派 ADPin 引脚对照表		SX1301 管脚列表	
引脚名称	管脚编号	BOARD名称	引脚名称	引脚名称	DC, SW
3.3V	1	2	3V	PS1P2	DC, SW
GPIO 4	3	4	5V		
GPIO 5	4	5	NC		
GPIO 6	5	6	NC		
GPIO 7	6	7	NC		
GPIO 8	7	8	NC		
GPIO 9	8	9	NC		
GPIO 10	9	10	NC		
GPIO 11	10	11	NC		
GPIO 12	11	12	NC		
GPIO 13	12	13	NC		
GPIO 14	13	14	NC		
GPIO 15	14	15	NC		
GPIO 16	15	16	NC		
GPIO 17	16	17	NC		
GPIO 18	17	18	NC		
GPIO 19	18	19	NC		
GPIO 20	19	20	NC		
GPIO 21	20	21	NC		
GPIO 22	21	22	NC		
GPIO 23	22	23	NC		
GPIO 24	23	24	NC		
GPIO 25	24	25	NC		
GPIO 26	25	26	NC		
GPIO 27	26	27	NC		
GPIO 28	27	28	NC		
GPIO 29	28	29	NC		
GPIO 30	29	30	NC		
GPIO 31	30	31	NC		
GPIO 32	31	32	NC		
GPIO 33	32	33	NC		
GPIO 34	33	34	NC		
GPIO 35	34	35	NC		
GPIO 36	35	36	NC		
GPIO 37	36	37	NC		
GPIO 38	37	38	NC		
GPIO 39	38	39	NC		
GPIO 40	39	40	NC		

#### 2、管脚对应位置





## Converter Board (Raspberry )

With Max-7Q GPS Module and GPS Antenna

RAK 831 Pin	Description on silk screen	RPI physical pin
1	+5V	2
3	GND	6
19	RST (Resent pin)	22
18	SCK (SPI Clock)	23
17	MISO	21
16	MOSI	19
15	CSN (Chip Select)	24

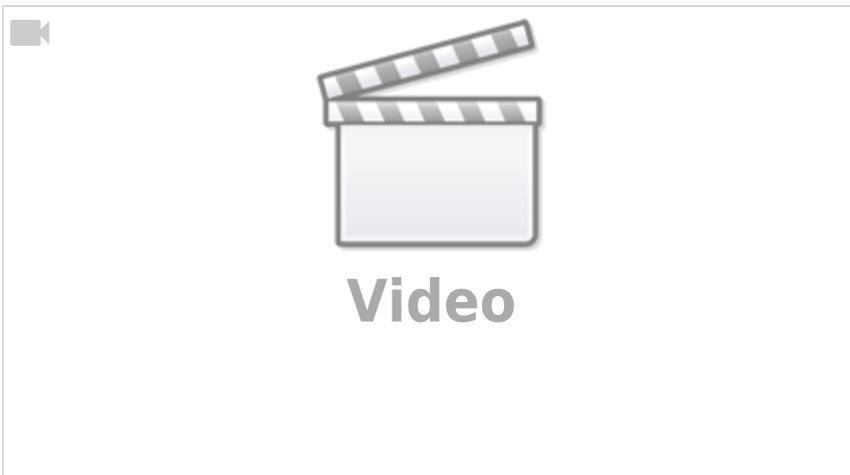
rpi v3 to rak 831 pin connection

### Conexión a la raspberry pi

- <http://docs.rakwireless.com/cn/LoRa/RAK831-LoRa-Gateway/B应用笔记/转接板接线说明.pdf>
- <https://github.com/IRNAS/RPi-HAT-RAK831-PoE>
- **Antena** → <https://github.com/IRNAS/ttn-irnas-gw>

### Referentes

- <https://github.com/RAKWireless/RAK2245-RAK831-LoRaGateway-RPi-Raspbian-OS>
- <https://www.thethingsnetwork.org/forum/t/the-hard-rak831-cafe-part-1/8464>
- <https://github.com/Edzelf/RAK831-LoRa-gateway/blob/master/LoRa%20gateway%20with%20Orange%20Pi%20and%20RAK831.pdf>
- [https://github.com/xesscorp/RPi\\_Hat\\_Template](https://github.com/xesscorp/RPi_Hat_Template)





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