



MADE IN BRAZIL

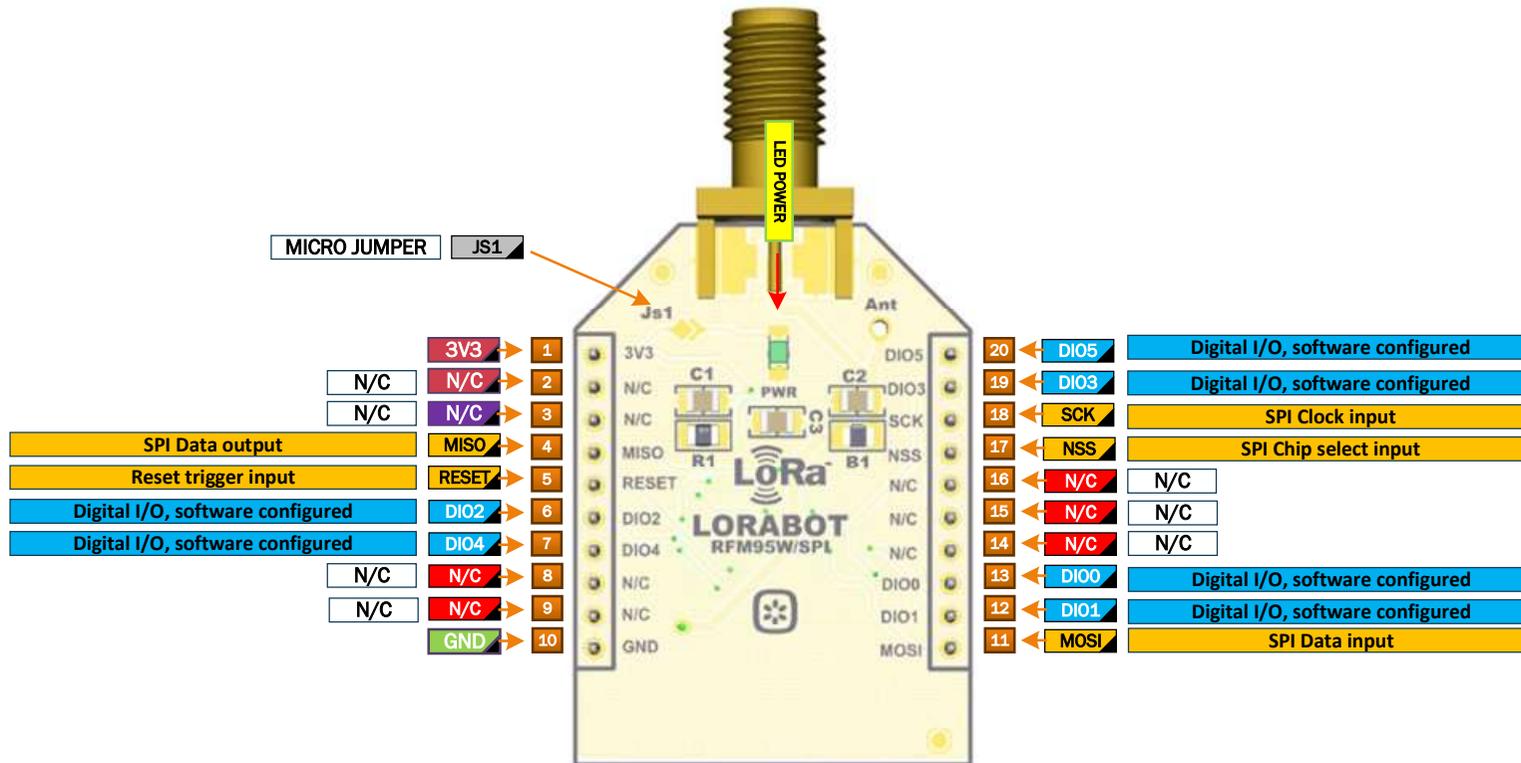
Design by engereggae
V. 1.0/NOV/2019



LORABOT SPI - RFM95



PINOUT DIAGRAMAS E FUNCIONALIDADES





LORABOT SPI - RFM95

DADOS TÉCNICOS

ESPECIFICAÇÕES BÁSICAS

PCB SIZE - Small form factor	24.689mm X 33.35mm
INDICATORS	PWR led
Power supply in	3.3 V
Max supply current in Transmit mode	120 mA
Communication Interface	SPI
RF Input Level	+10 dBm
Equipped with screw holes	3 x 2.5 mm
Frequency Range	868/915 MHz

ESPECIFICAÇÕES EXTRAS

RETIRE A SOLDA DO JUMPER DE SOLDA JS1 E REDUZA O CONSUMO DE CORRENTE, DESABILITADO O LED POWER DE SEU MÓDULO LORABOT SPI.

CARACTERÍSTICAS DO MODEM RFM95 - SEMTECH

LoRaTM Modem.

168 dB maximum link budget.

+20 dBm - 100 mW constant RF output vs. V supply.

+14 dBm high efficiency PA.

Programmable bit rate up to 300 kbps.

High sensitivity: down to -148 dBm.

Bullet-proof front end: IIP3 = -12.5 dBm.

Excellent blocking immunity.

Low RX current of 10.3 mA, 200 nA register retention.

Fully integrated synthesizer with a resolution of 61 Hz.

FSK, GFSK, MSK, GMSK, LoRaTM and OOK modulation.

Built-in bit synchronizer for clock recovery.

Preamble detection.

127 dB Dynamic Range RSSI.

Automatic RF Sense and CAD with ultra-fast AFC.

Packet engine up to 256 bytes with CRC.

Built-in temperature sensor and low battery indicator.



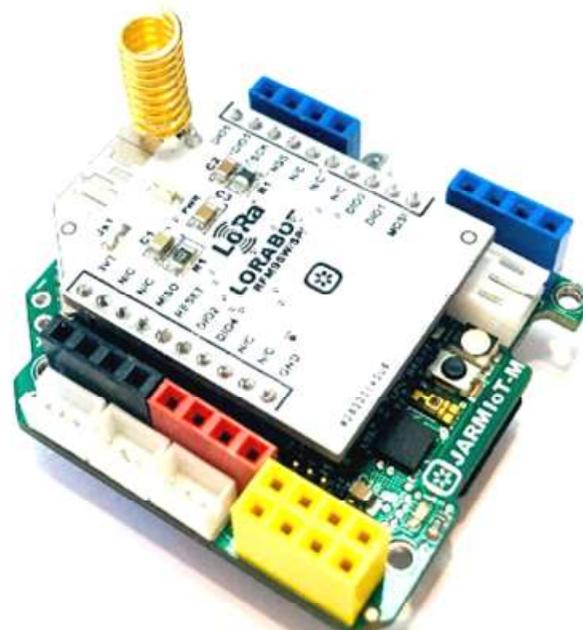
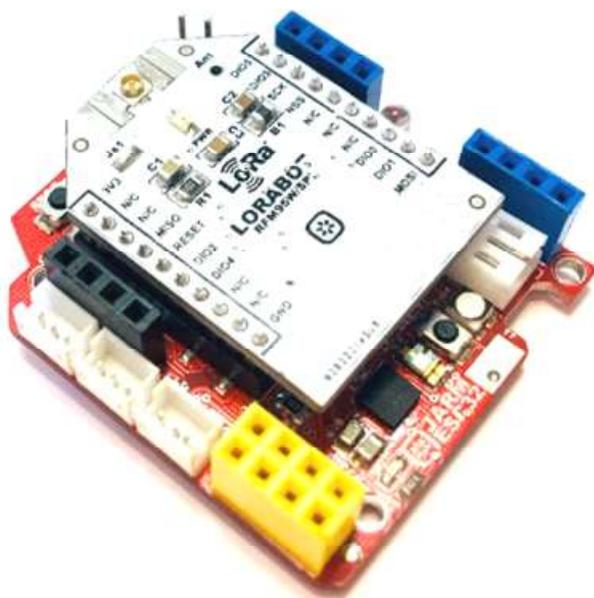
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Um módulo de Xbee form factor de fácil emprego e aplicação .



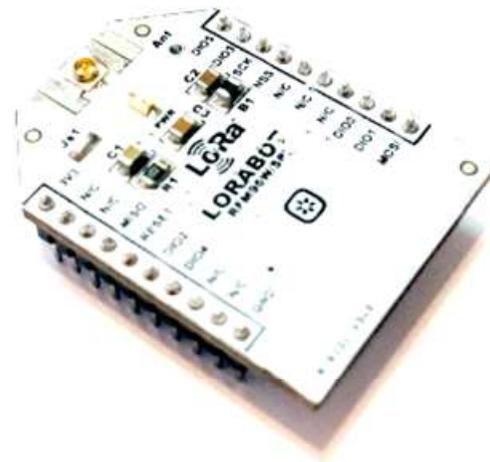
PLATAFORMAS E SHIELDS IoT COMPATÍVEIS



Conexões às micro plataformas de hardware IoT JARM IoT M e JARM ESP32 IoT



ALGUNS TIPOS DE CONEXÕES DE ANTENAS





LORABOT SPI - RFM95

NOSSA REDE E MAIS INFORMAÇÕES



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