

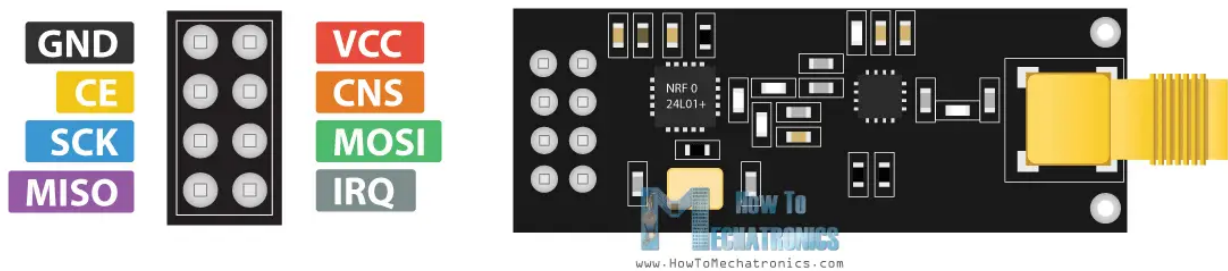
BlueJammer

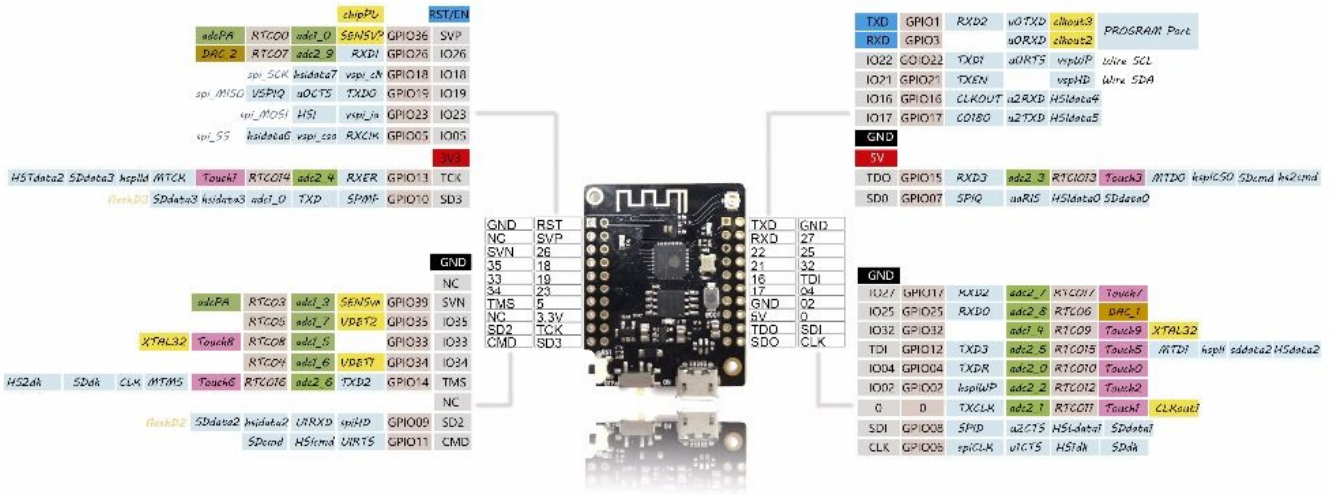
- <https://github.com/EmenstaNougat/ESP32-BlueJammer> → solo binarios
- <https://github.com/cifertech/RF-Clown> → código

NRF24L01 Pinout



NRF24L01+ PA/LNA Pinout





WiFi + Bluetooth Board
4MB Flash MINI 32 v2.0

Power ESP32 VCC range: 2.2V-3.6V VBAT: direct to battery (and charger) USB: direct to USB (5V) VCC: Output of regulator 3.3V/600mA Up to 250mA during RF transmissions	ESP32 Dual-core Xtensa 32-bit LX6 Up to 240MHz 520kB internal SRAM 4MB external flash Multiplexed I/Os allow up to 1B ADC channels 3 SPI interfaces 3 UART interfaces 2 I2C interfaces 2 I2S interfaces 16 LED PWM outputs 2 DACs 10 Capacitive Touch Inputs	ADC Preamp GPIO pins 36, 37, 38, and 39 are able to be used as a low noise analog pre-amplifier Other* Hall Sensor Temp sensor (-40C to 125C) SD/SPIO/MMC Host Controller CAN Bus <small>*On datasheet, but may not be supported yet</small>	<table border="1"><tr><td>Name</td><td>ADC</td></tr><tr><td>Power</td><td>DAC</td></tr><tr><td>GND</td><td>SPI</td></tr><tr><td>Control</td><td>UART</td></tr><tr><td>Arduino</td><td>Touch</td></tr><tr><td>GPIO</td><td>Misc</td></tr></table> <small>*GPIO: Port Input Only *ADC: Preamplifier ADC GPIO 3.3V tolerant only</small>	Name	ADC	Power	DAC	GND	SPI	Control	UART	Arduino	Touch	GPIO	Misc
Name	ADC														
Power	DAC														
GND	SPI														
Control	UART														
Arduino	Touch														
GPIO	Misc														

Firmware upload

- Descarga binarios para bootloader, particiones y firmware de <https://github.com/EmenstaNougat/ESP32-Bluejammer/archive/refs/tags/ESP32-Bluejammer-v2.zip> dentro de la carpeta Firmware_Files están los archivos
- El instalador web no funcionó (<https://esp32-bluejammerflasher.pages.dev/>)
- Se sube el firmware usando esptool

```
↳ # Upload with bootloader and partitions (if you have separate files)
esptool --chip esp32 --port /dev/ttyUSB0 --baud 921600 \
  --before default_reset --after hard_reset \
  write_flash 0x1000 bootloader.bin \
  0x8000 partitions.bin \
  0x10000 firmware.bin
```

ESP32-BLUEJAMMER

Firmware : Combo-Channel-Select (BT-BLE-WiFi-RC)

BY EMEUSTA

!Educational purposes only!

<https://github.com/EmenstaNougat/ESP32-BlueJammer>

I'm not responsible for your actions!

VSPI - FAILED

!!! SP (standard power) start failure! VSPI nRF24 module could NOT be initialized! #####

HSPI - FAILED

!!! HP (high power) start failure! HSPI nRF24 module could NOT be initialized! #####

State 1: Bluetooth

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