

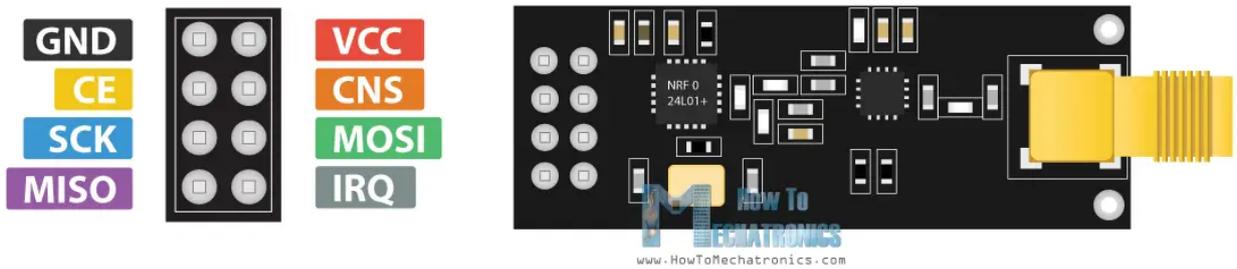
# BlueJammer

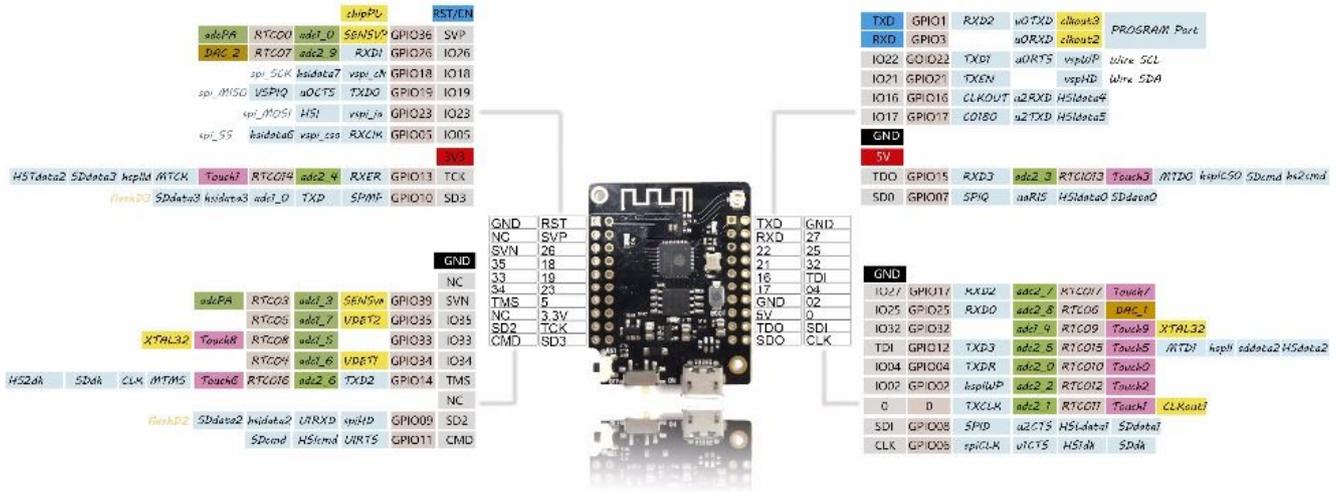
- <https://github.com/EmenstaNougat/ESP32-BlueJammer> → solo binarios
- <https://github.com/cifertech/RF-Clown> → código

## 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)  
 VUSB: direct to USB (5V)  
 VCC: Output of regulator 3.3V/600mA  
 Up to 250mA during RF transmissions

**Wireless**  
 Wifi: 802.11 b/g/n/e/i  
 WPA/WPA2/WPA2-Enterprise/SPS  
 Bluetooth: Bluetooth 4.2/BLE

**ESP32**  
 Dual-core Xtensa 32-bit LX6  
 Up to 240MHz  
 520kB internal SRAM  
 4MB external flash

**Multiplexed I/Os allow up to**  
 18 ADC channels  
 3 SPI interfaces  
 3 UART interfaces  
 2 I2C interfaces  
 16 LED PWM outputs  
 2 DACs  
 10 Capacitive Touch Inputs

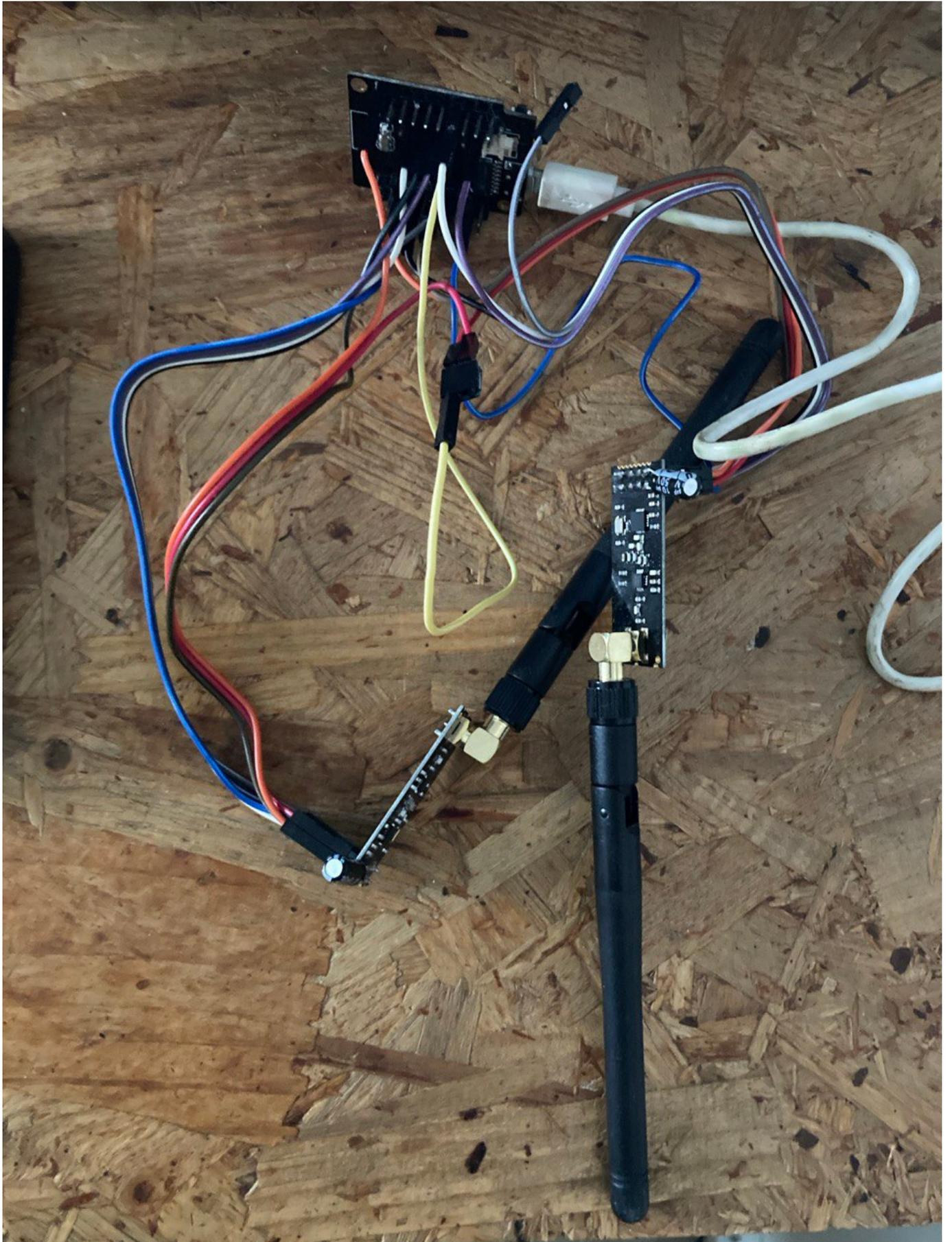
**ADC Preamp**  
 GPIO pins 36, 37, 38, and 39 are able to be used as a low noise analog pre-amplifier

**Other\***  
 Hall Sensor  
 Temp sensor (-40C to 125C)  
 SD/SDIO/MMC Host Controller  
 CAN Bus

\*On datasheet, but may not be supported yet

Name	ADC
Power	DAC
GND	SPI
Control	UART
Arduino	Touch
GPIO	Misc

\*GPIO: Port Input Only  
 \*ADC: Pre-amplifier ADC  
 GPIO 3.3V tolerant only



## 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

```
↳λ # 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
```

El firmware una vez cargado de manera exitosa arranca pero presenta errores al momento de leer los chips nRF24

# ESP32-BLUEJAMMER

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

# BY EME NSTA

!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

From: <https://wiki.unloquer.org/> -

Permanent link: <https://wiki.unloquer.org/personas/brolin/proyectos/hardwarehacking/bluejammer?rev=1757279695>

Last update: 2025/09/07 21:14

