

Sheet: Sujeciones

File: Sujeciones.sch

Sheet: Microcontrolador

Sheet: Sensores

SENSOR1D  
SENSOR2D  
SENSOR3D  
SENSOR4D  
SENSOR5D  
SENSOR6D

File: Sensores.sch

Sheet: Alimentacion

BAT+D

File: Alimentacion.sch

SENSOR1  
SENSOR2  
SENSOR3  
SENSOR4  
SENSOR5  
SENSOR6

UART\_RX  
UART\_TX  
ESP\_SOFT\_RST

File: Microcontrolador.sch

MOTDAD  
MOTDBD  
MOTIAD  
MOTIBD

Sheet: Puente H

MOTDA  
MOTDB  
MOTIA  
MOTIB

File: Puente H.sch

Sheet: WiFi

QUART\_RX  
QUART\_TX  
ESP\_SOFT\_RST

File: WiFi.sch

**Crédito DyM de PCBs**

Sheet: /  
File: Autito Microcontroladores.sch

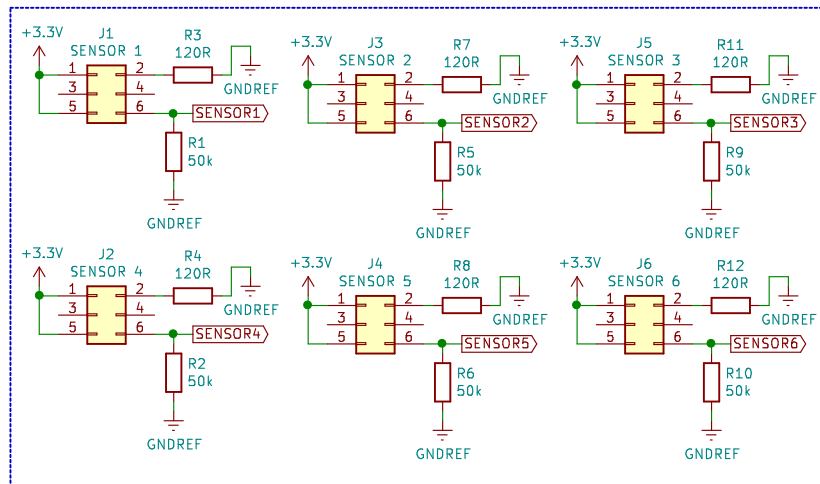
**Title: Hoja raíz**

Size: A4  
KiCad E.D.A. kicad 5.1.9

Date: 2021-03-30

Rev:  
Id: 1/7

## Sensores de proximidad



**Crédito DyM de PCBs**

Sheet: /Sensores/

File: Sensores.sch

**Title: Sensores**

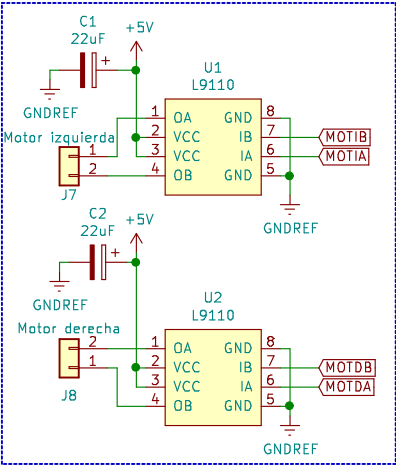
Size: A4 Date: 2021-03-30

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**Rev:**

Id: 2/7

# Dirección de Motores



**Crédito DyM de PCBs**

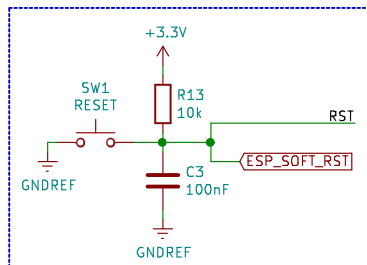
Sheet: /Puente H/  
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**Title: Puente H**

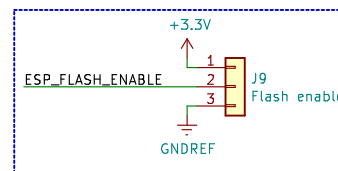
Size: A4 Date: 2021-03-30  
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**Rev:**  
Id: 3/7

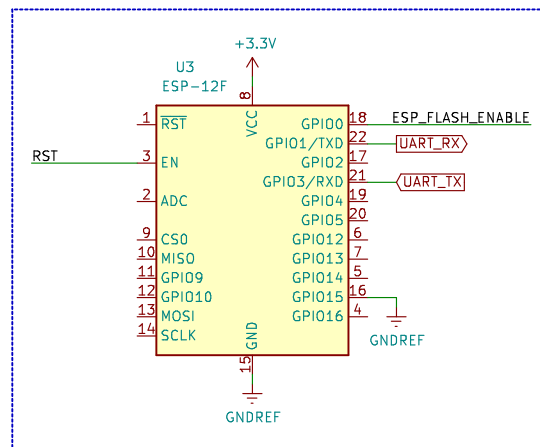
## Reset



## Flash enable



## Modulo WiFi



### Crédito DyM de PCBs

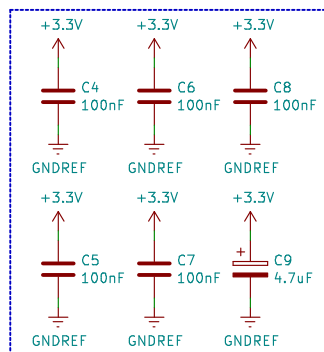
Sheet: /WiFi/  
File: WiFi.sch

### Title: WIFI

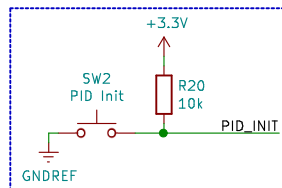
Size: A4  
Date: 2021-03-30  
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Id: 4/7

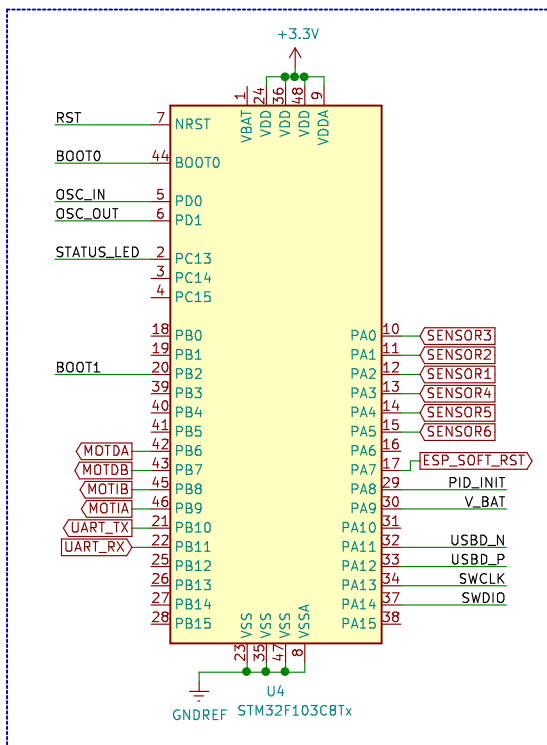
## Filtrado



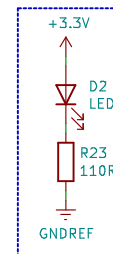
## PID Init



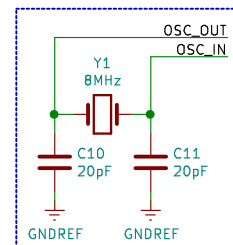
## STM32F103C8T6



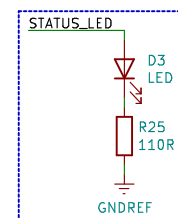
## LED ON



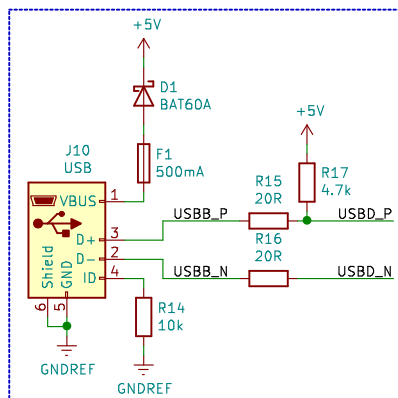
## Reloj



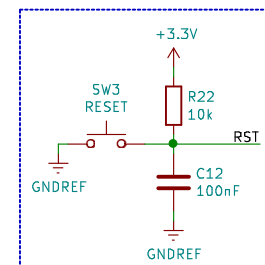
## LED de estado



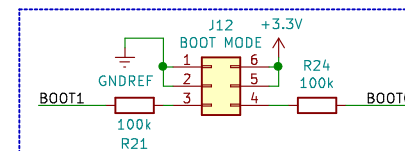
## USB



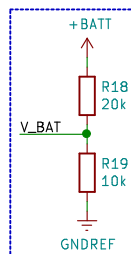
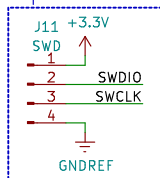
## Reset



## Modo de Booteo



## Depuración



**Crédito DyM de PCBs**

Sheet: /Microcontrolador/

File: Microcontrolador.sch

**Title: Microcontrolador**

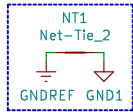
Size: A4 Date: 2021-03-30

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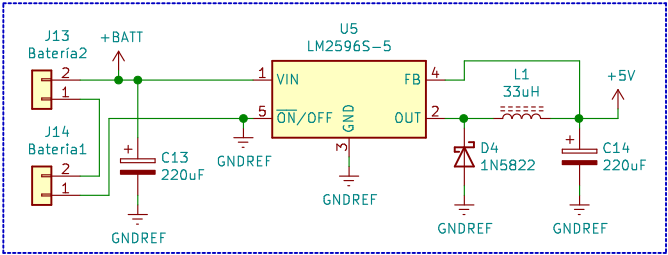
**Rev:**

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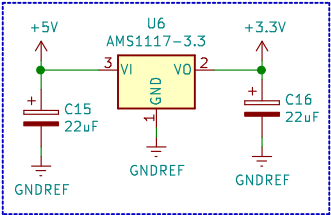
NetDie



5V Power Supply



3.3V Power Supply



**Crédito DyM de PCBs**

Sheet: /Alimentacion/  
File: Alimentacion.sch

**Title: Alimentación**

Size: A4 Date: 2021-03-30  
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Id: 6/7

Referencia

- FID1  
Fiducial
- FID2  
Fiducial
- FID3  
Fiducial

Sujeción

- H1  
MountingHole
- H2  
MountingHole

Test points

- TP1  
TestPoint
- TP2  
TestPoint
- TP3  
TestPoint
- TP4  
TestPoint
- TP5  
TestPoint
- TP6  
TestPoint
- TP7  
TestPoint
- TP8  
TestPoint

**Crédito DyM de PCBs**

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File: Sujeciones.sch

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Size: A4      Date: 2021-03-30  
KiCad E.D.A.    kicad 5.1.9

**Rev:**  
Id: 7/7