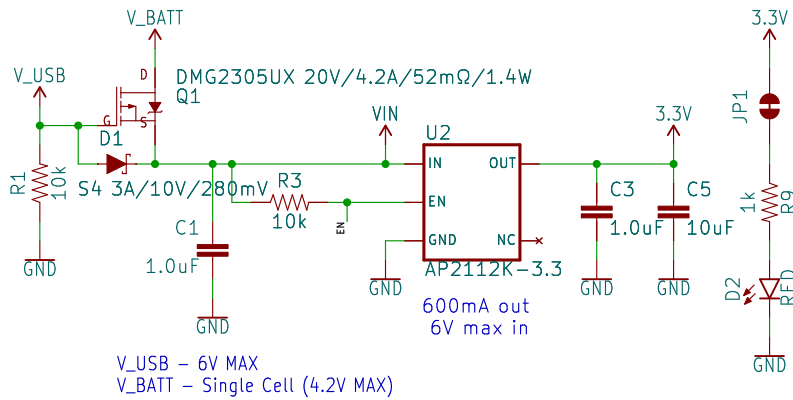
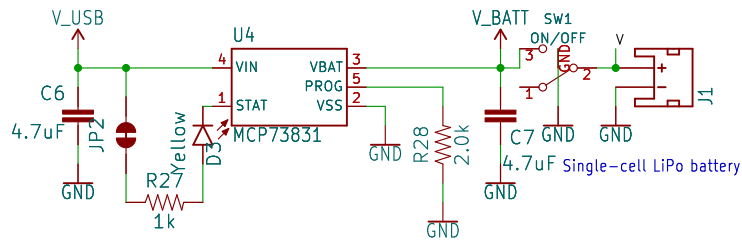


## System Regulator

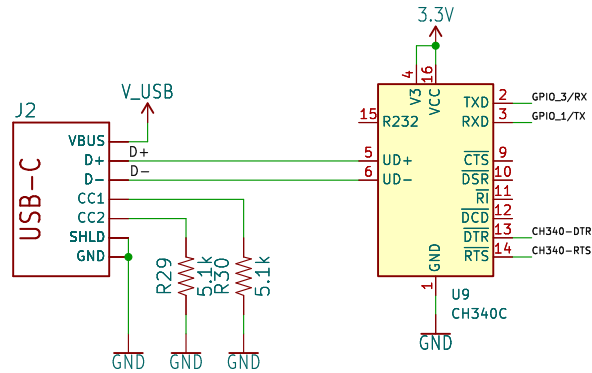


## Lithium-Polymer Battery Charger

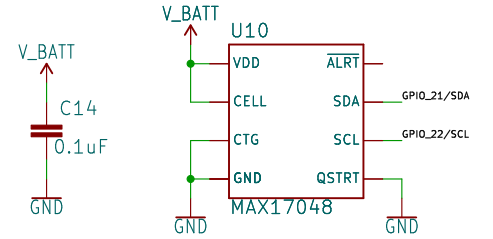


Charge current:  
I\_CHG = 1000 / R\_PROG  
R\_PROG=2k : I\_CHG=500mA

## USB-to-Serial Converter



## Fuel Gauge

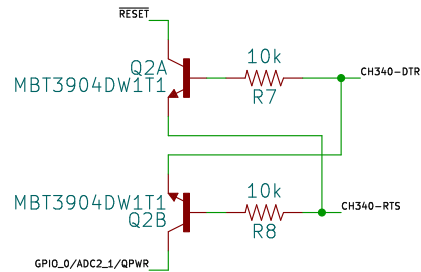


## Auto-Reset

### Boot Mode Configuration

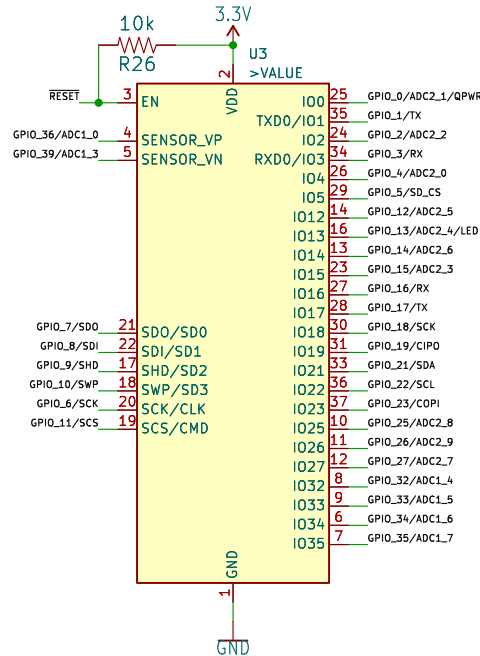
Pin	Run	Bootloader	Default
I00	1	0	1
I02	x	x	0
I05	1	x	0
I012	0	0	1
I015	x	x	1

I012 = MDTI, I015 = MDT0



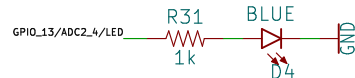
If DTR is LOW, toggling RTS from HIGH to LOW resets to run mode.  
If RTS is HIGH, toggling DTR from LOW to HIGH resets to bootloader.

## Espressif ESP32

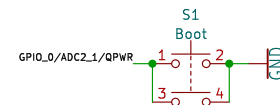


Use boot control pins with caution: 0, 2, 5, 12, 15  
I00: Avoid device connections. Can be used a stat LED.  
I02: Avoid external pullups – will cause bootloader fail.  
I05: Has builtin pullup at POR.  
I012: Avoid external pullups – will cause bootloader fail.  
I015: Has builtin pullup at POR.

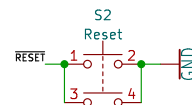
## Status LED



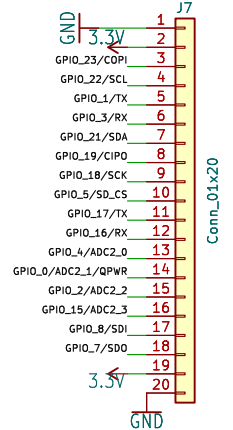
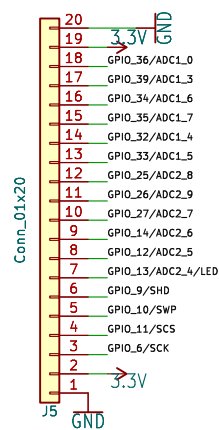
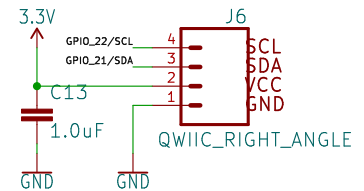
## GPIO0/Boot Button



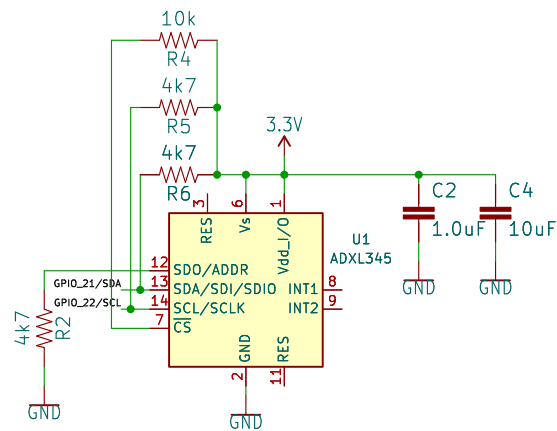
## Reset Button



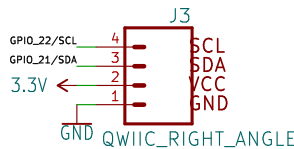
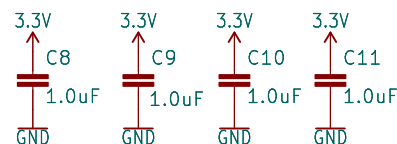
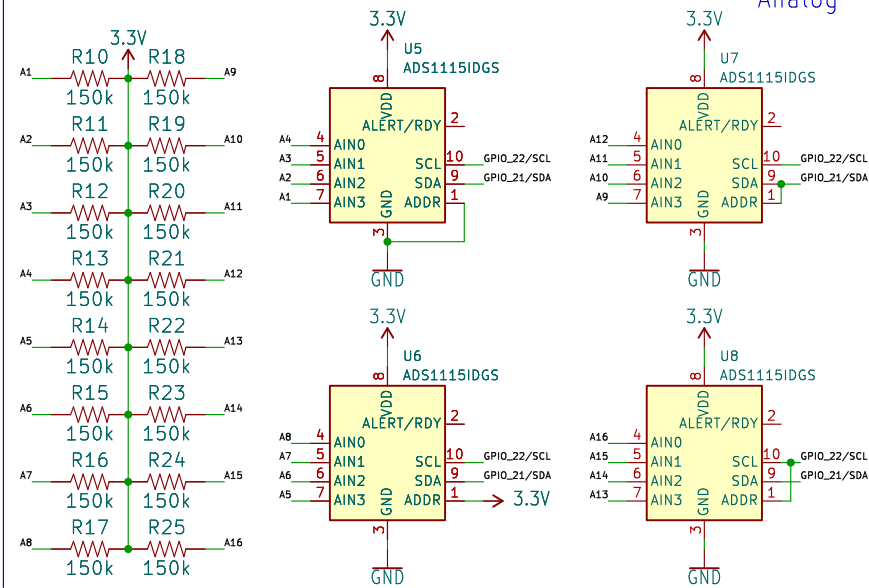
## Qwiic Connector



## Motion Sensor



## Analog



Qwiic



hasatio

Sheet: /  
File: ESP32-DEVKIT-S-ch340.kicad\_sch

Title: posture

Size: User Date: 2023-02-28  
KiCad E.D.A. eeschema (7.0.0)

Rev: 0  
Id: 1/1