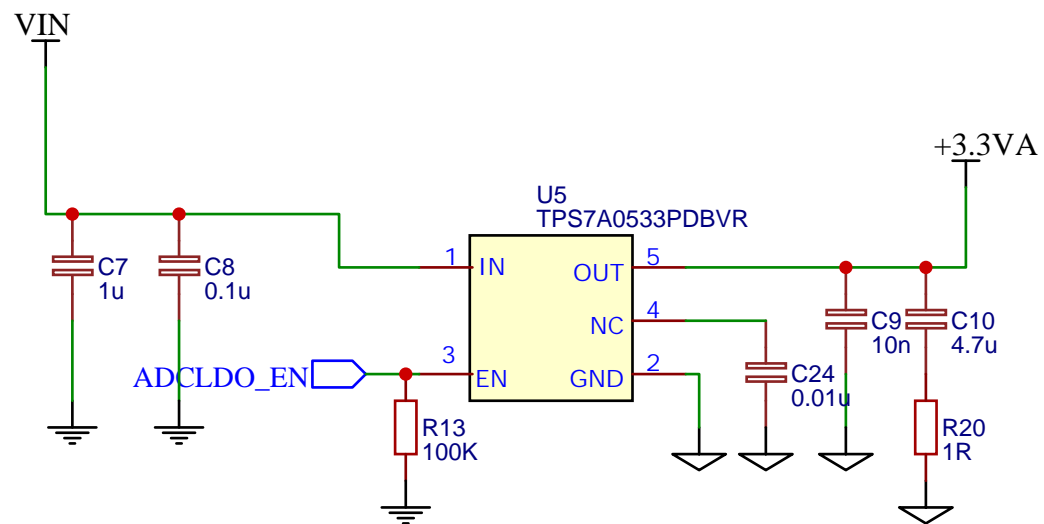




## Analog +3.3V LDO

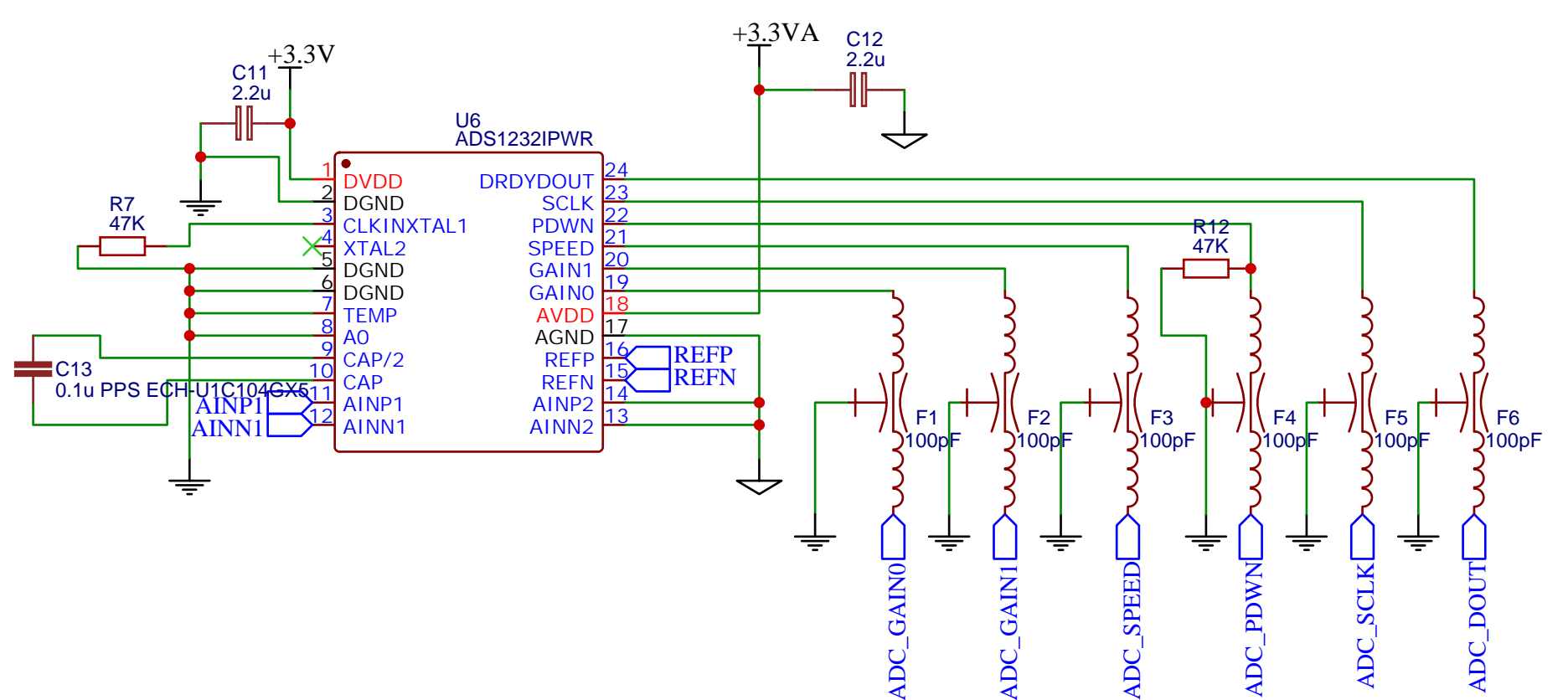


R20 is optional in order to improve output stability if you use low-ESR MLCC.  
Check the datasheet of your LDO and decide the needed value.  
If you don't want R20, remember to join the pads together to ground C10.

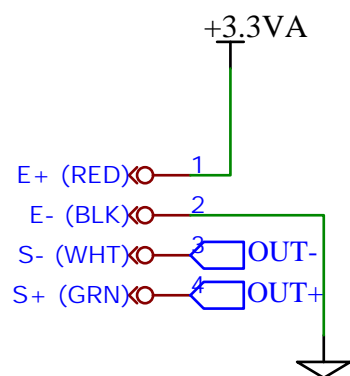
C24 is only for some LDOs for lower noise (ex. TPS736)  
and even then, is completely optional. Check datasheet.

## Note:

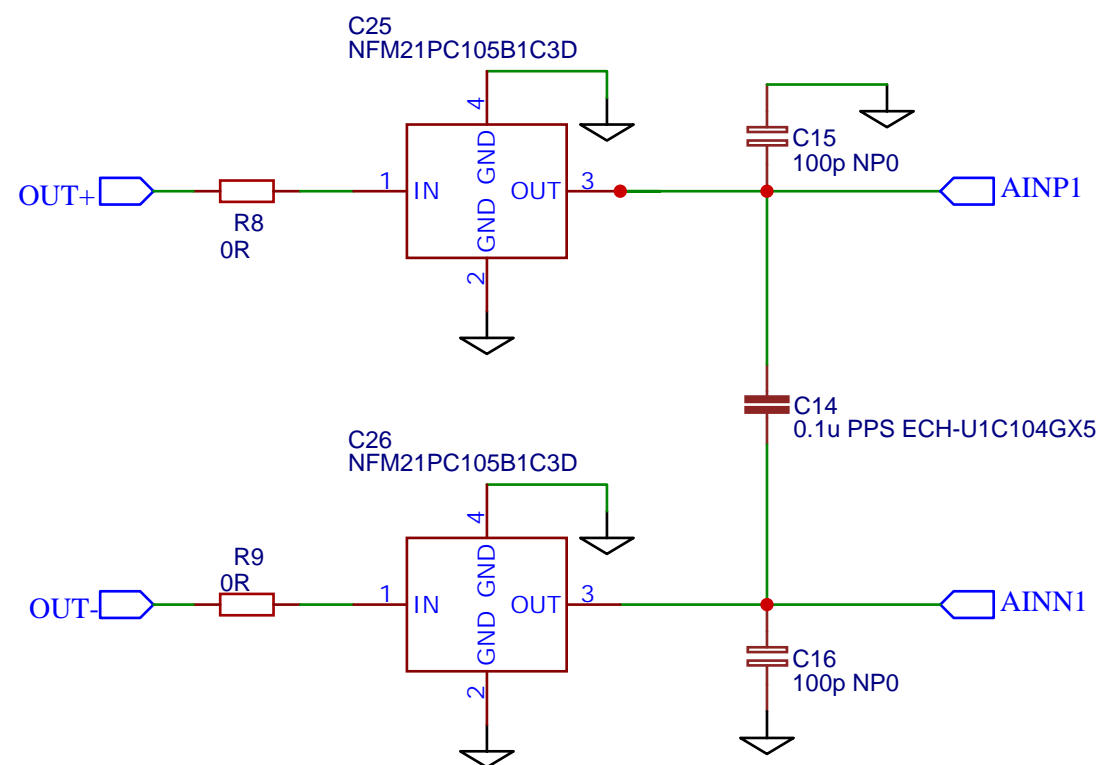
ADS1232 is not using regular SPI protocol  
You can use any GPIO (Digital / Output)  
Do not use (H/V)SPI bus if you have other SPI devices



## Load Cell Pads

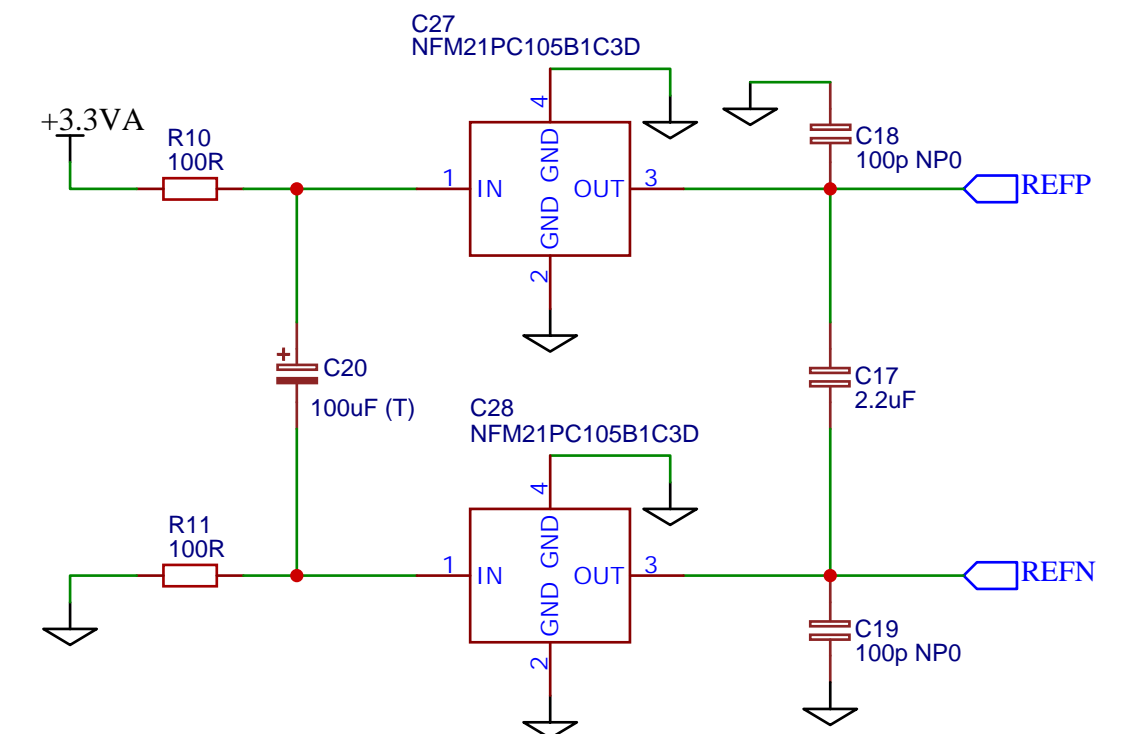


## Analog Input +/- RC Filter



Note: R8,R9 values are not fine tuned. Try 150R or more.

## REF+/REF- RC Filter



TITLE:

ESPresso Scale PRO

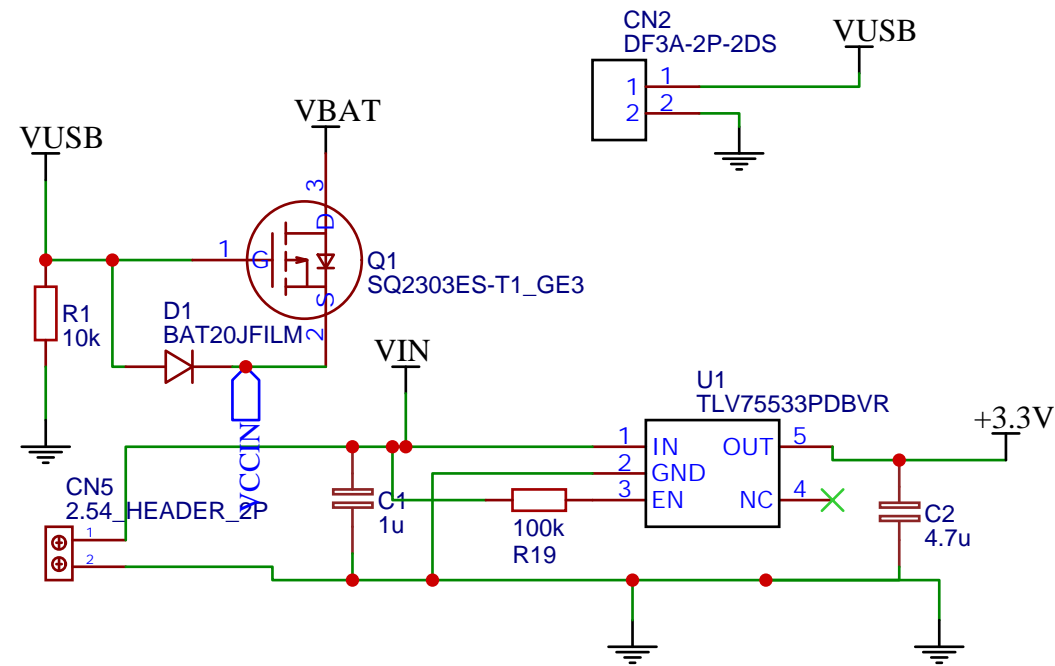
REV: 3.0

Company:

Sheet: 3/3

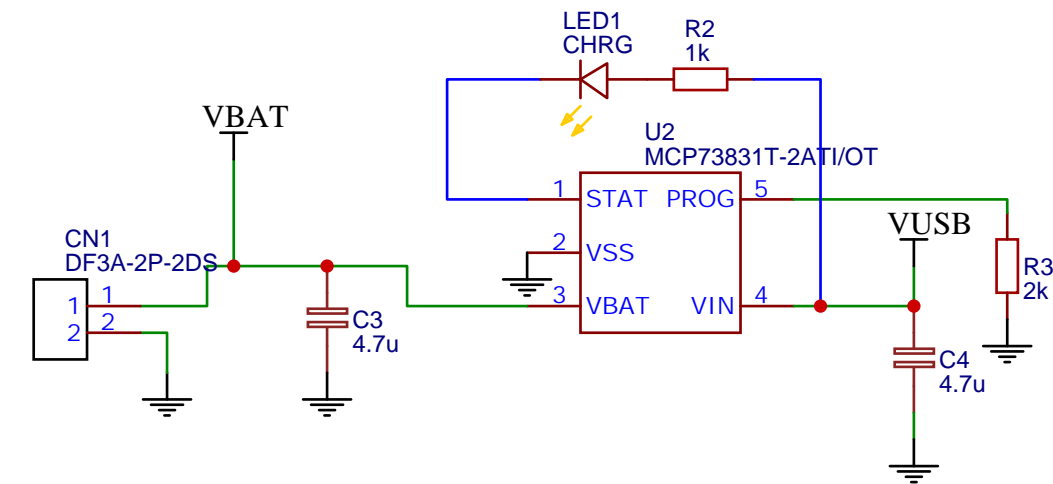
Date: 2019-03-14 Drawn By: jousis

## Power input (USB/Lipo)



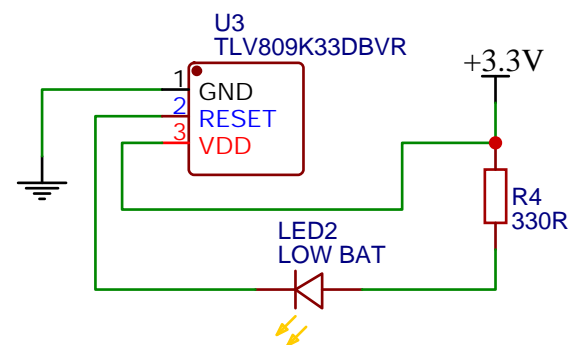
[https://cdn.sparkfun.com/assets/learn\\_tutorials/5/0/7/esp32-thing-schematic.pdf](https://cdn.sparkfun.com/assets/learn_tutorials/5/0/7/esp32-thing-schematic.pdf)

## Li-Po Charging



[https://cdn.sparkfun.com/assets/learn\\_tutorials/5/0/7/esp32-thing-schematic.pdf](https://cdn.sparkfun.com/assets/learn_tutorials/5/0/7/esp32-thing-schematic.pdf)

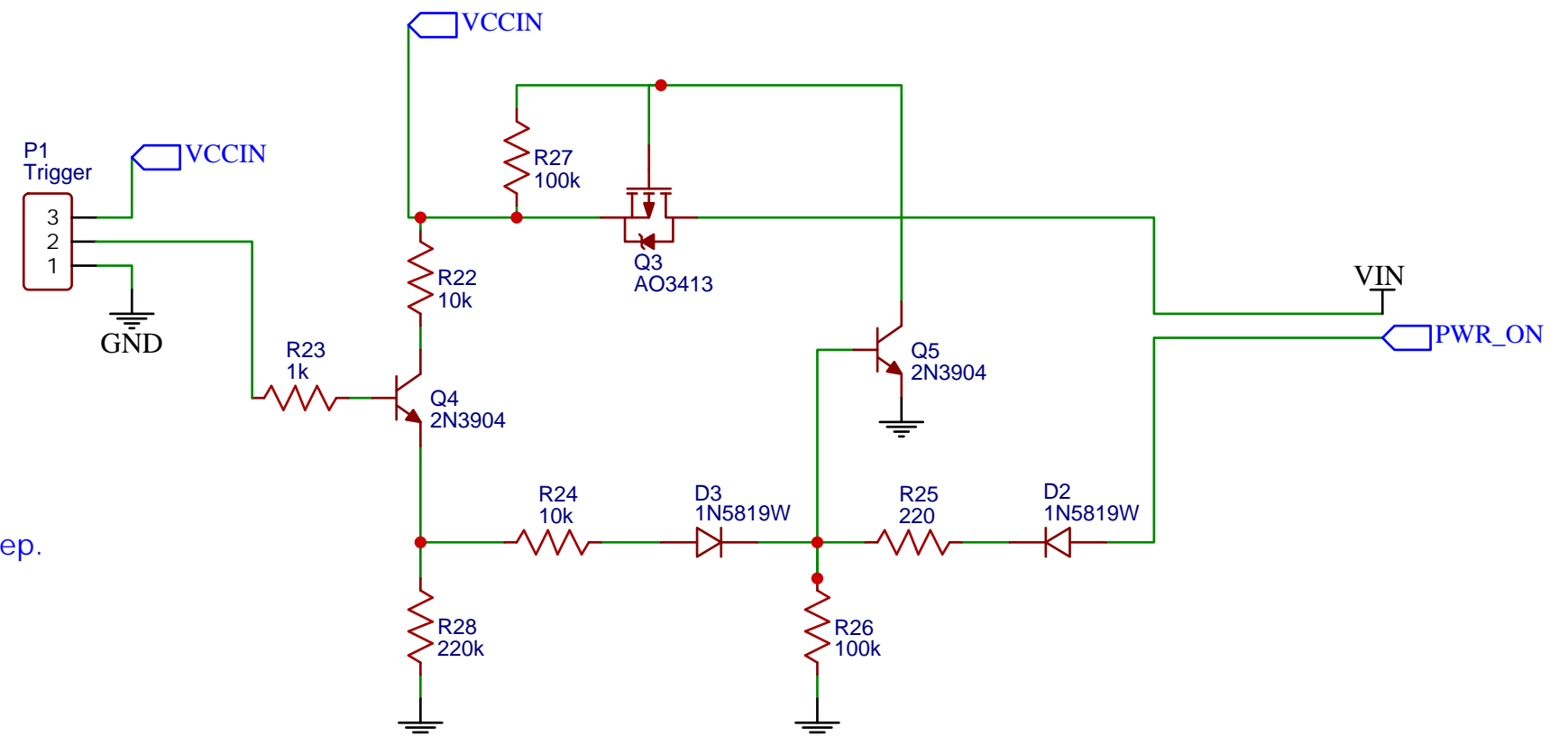
## Low Bat Warning LED



Completely optional but very useful.

Will detect and enable LED even when our MCU is in deep sleep.

Use a low power led.



TITLE: ESPresso Scale PRO		REV: 3.0
Company:		Sheet: 1/3
Date: 2019-03-14		Drawn By: jousis