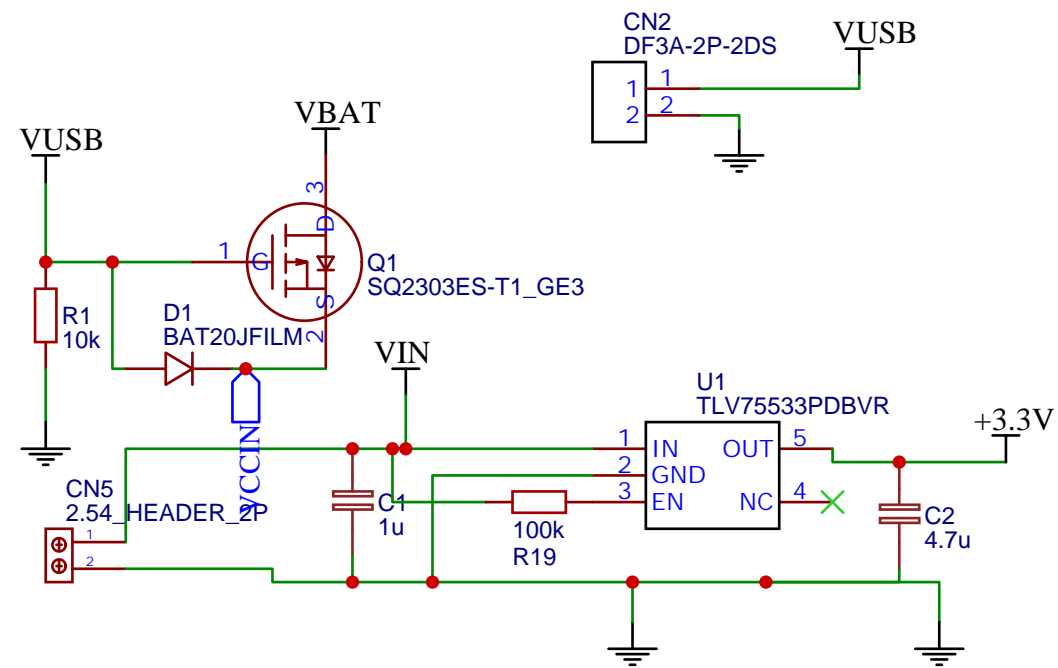
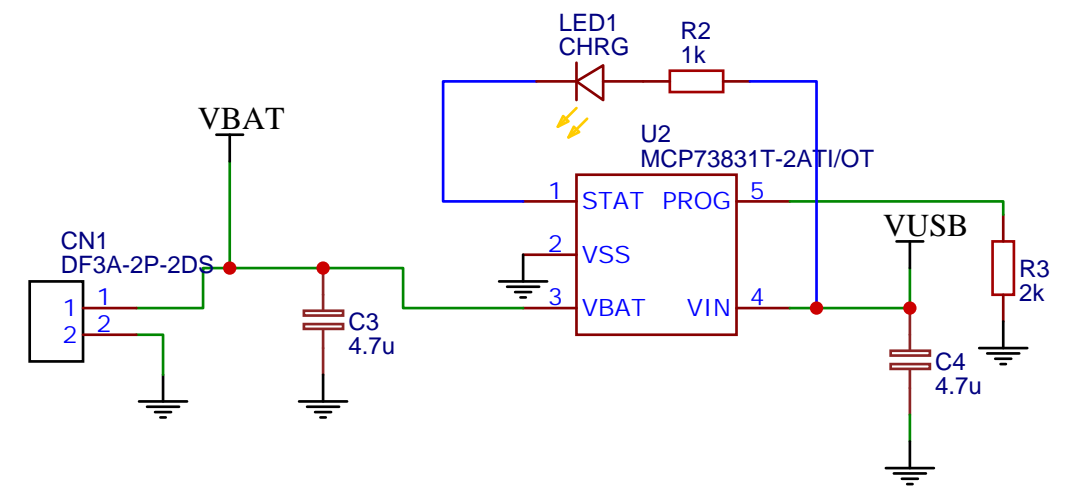


Power input (USB/Lipo)

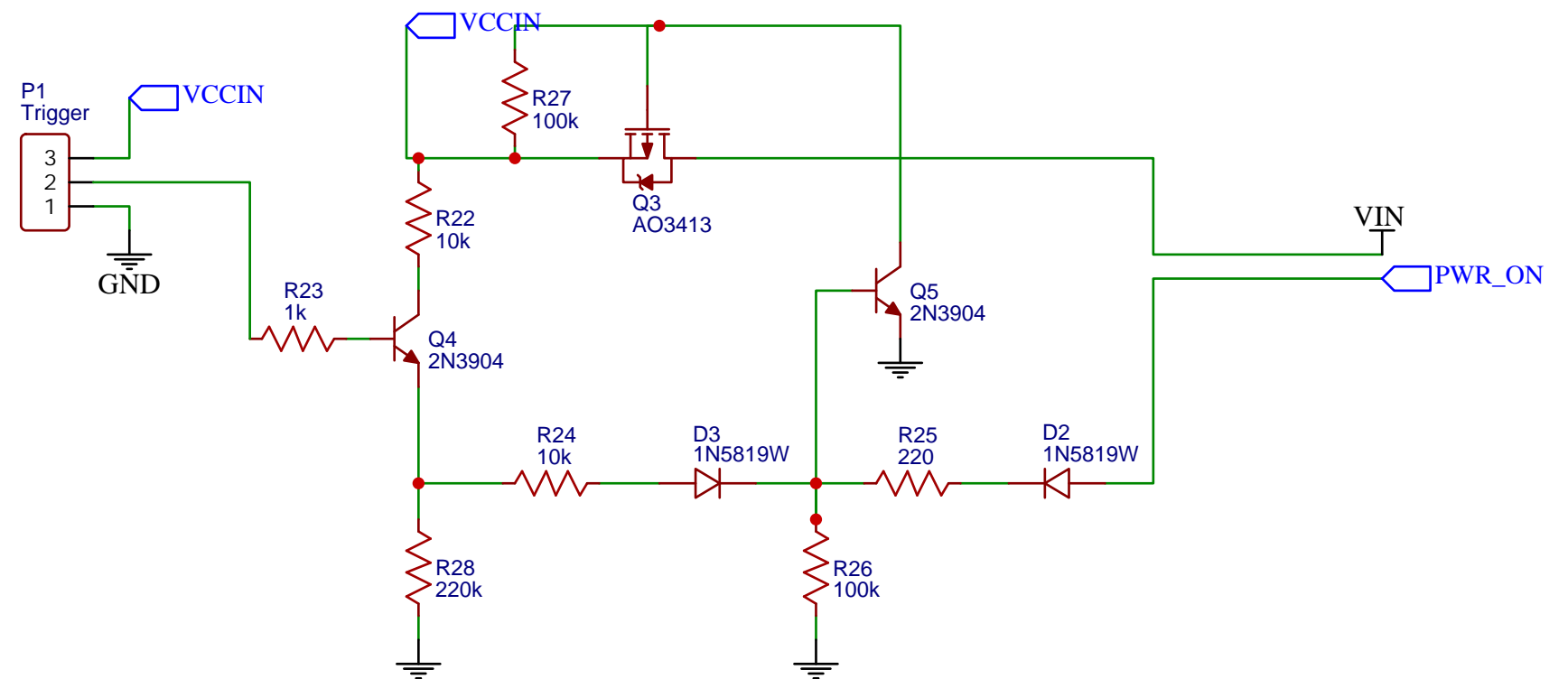


https://cdn.sparkfun.com/assets/learn_tutorials/5/0/7/esp32-thing-schematic.pdf

Li-Po Charging

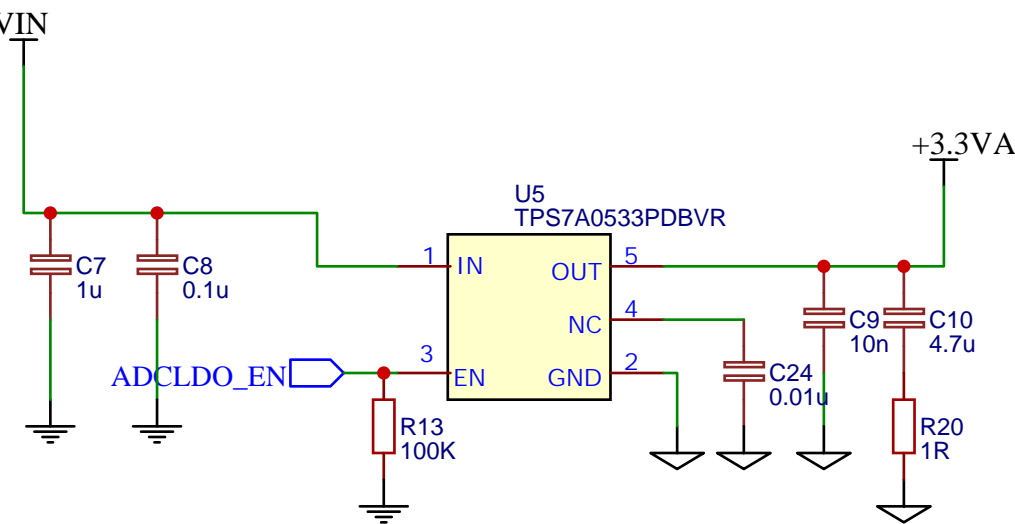


https://cdn.sparkfun.com/assets/learn_tutorials/5/0/7/esp32-thing-schematic.pdf



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

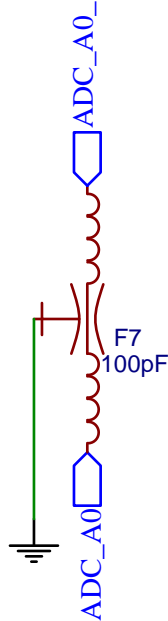
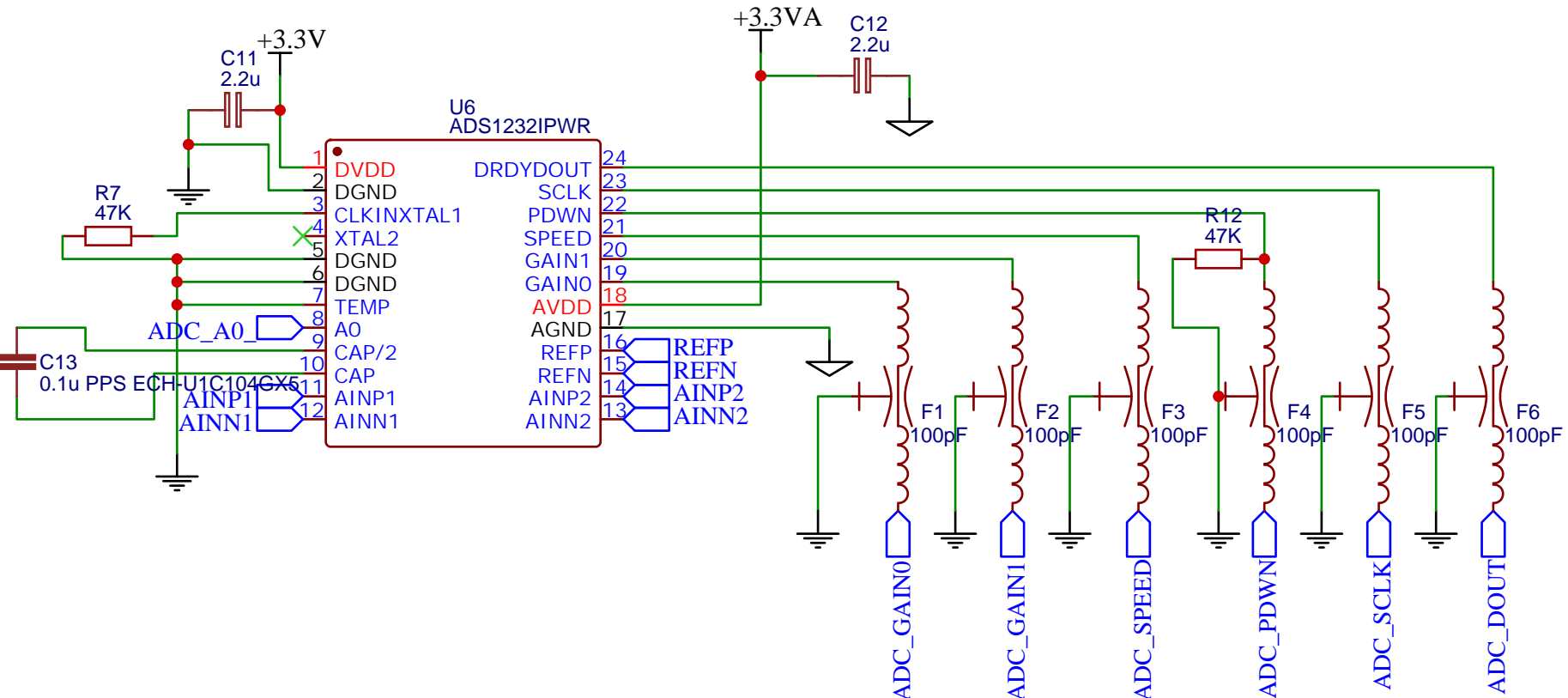
Analog +3.3V LDO



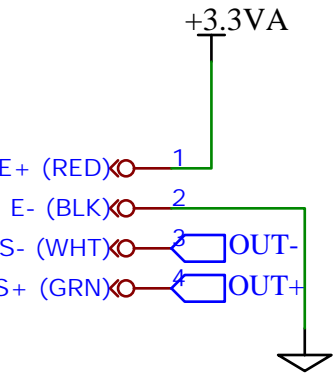
R20 is optional in order to improve output stability if you use low-ESR MLCC.
Check the datasheet of your LDO and decide the needed value.
If you don't want R20, remember to join the pads together to ground C10.

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

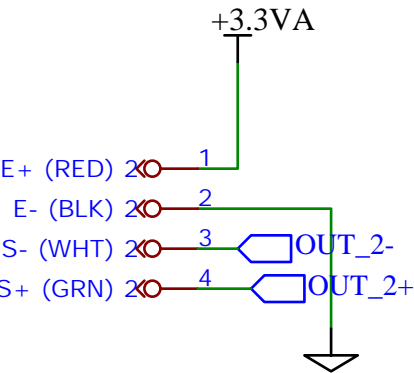
Note:
ADS1232 is not using regular SPI protocol
You can use any GPIO (Digital / Output)
Do not use (H/V)SPI bus if you have other SPI devices



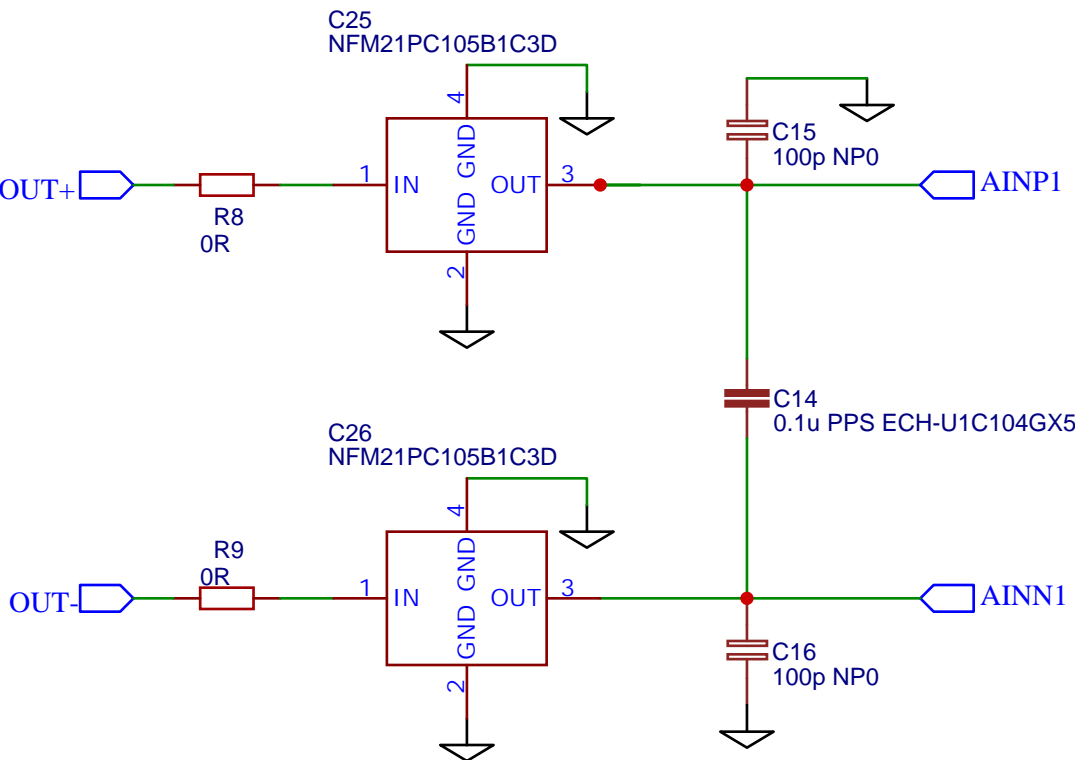
Load Cell Pads



Load Cell Pads

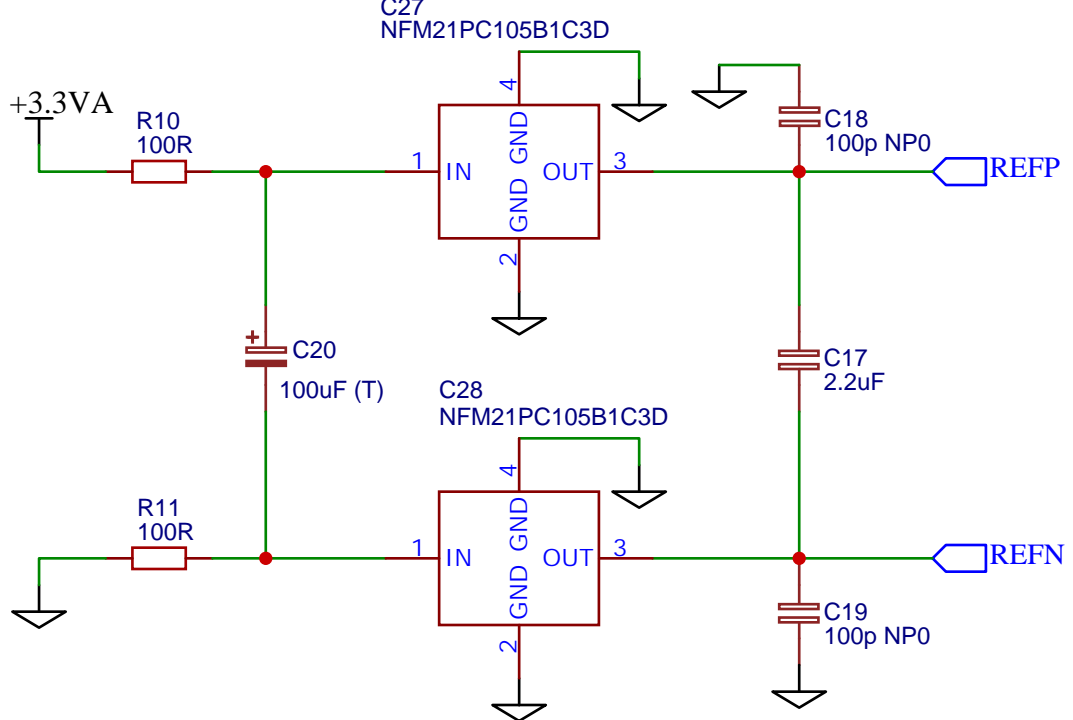


Analog Input +/- RC Filter



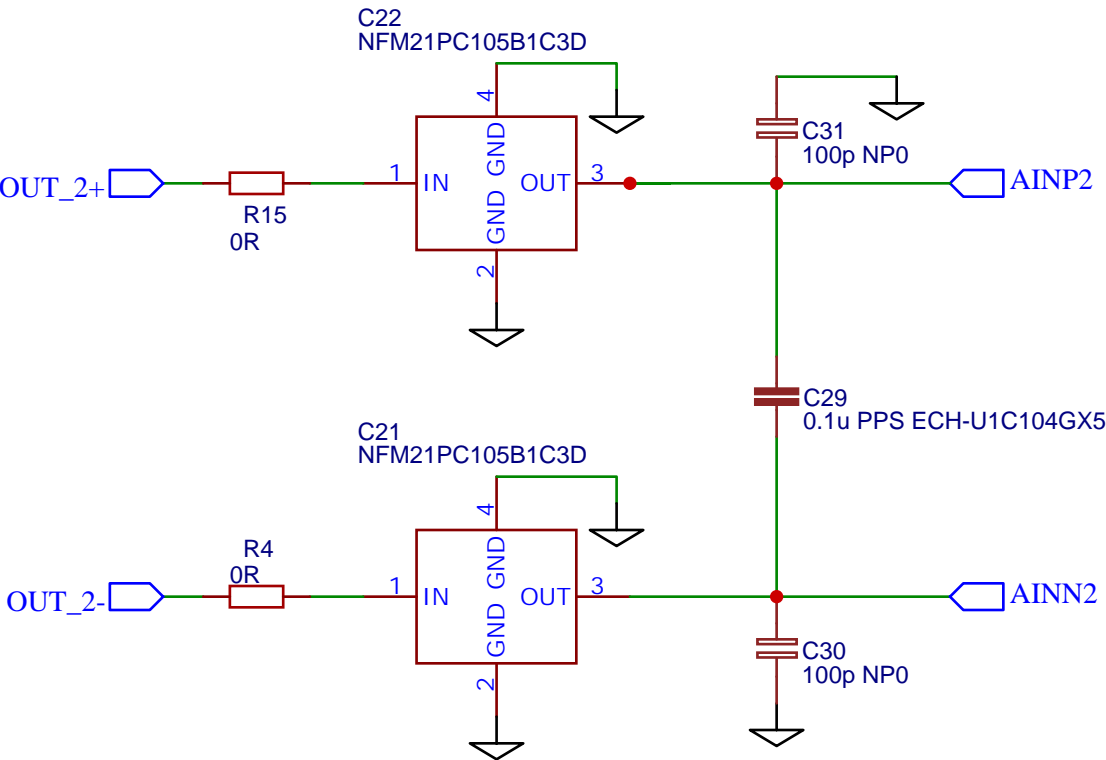
Note: R8,R9 values are not fine tuned. Try 150R or more.

REF +/-REF- RC Filter

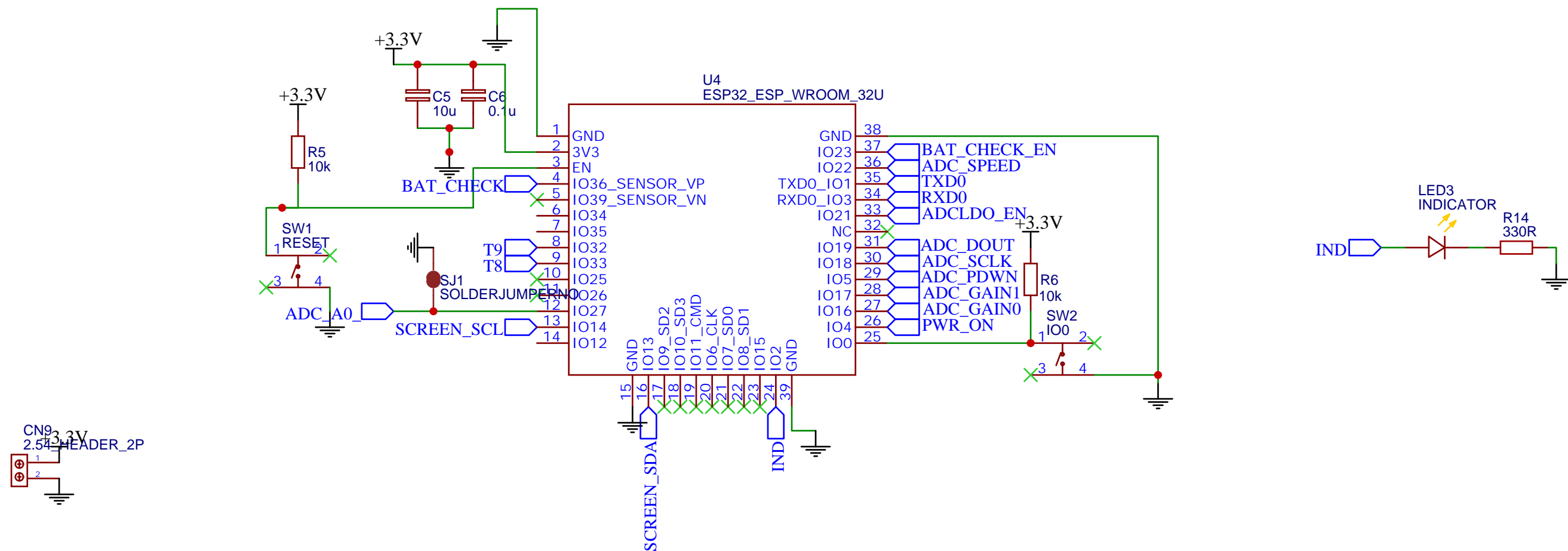


TITLE: ESPresso Scale PRO Dual		REV: 4.0
Company:		Sheet: 3/3
Date: 2022-12-14	Drawn By: runningtoy, fork of jousis	

Analog Input +/- RC Filter



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

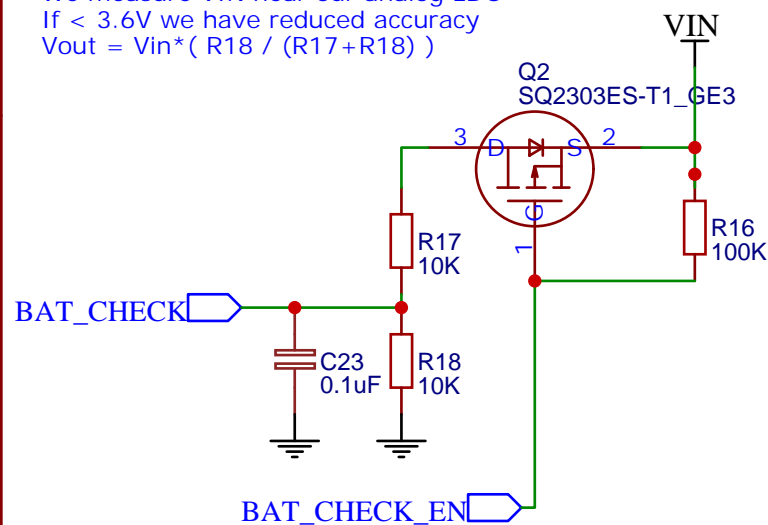


Serial output

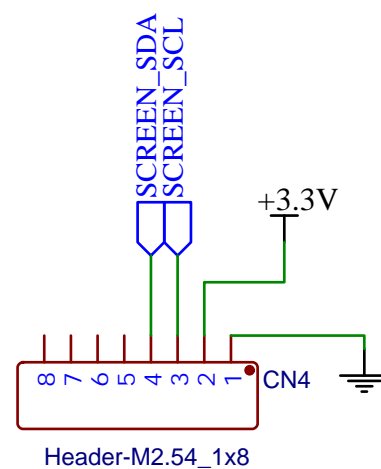


Input V measurement

We measure VIN near our analog LDO
If < 3.6V we have reduced accuracy
 $V_{out} = V_{in} * (R_{18} / (R_{17} + R_{18}))$

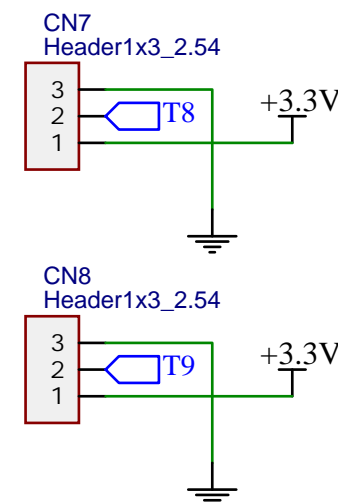


OLED/IPS SPI (HSPI) connector



Pin compatible with most cheap SSD1306(OLED), SSD1331(OLED), ST7735S(TFT)
If you have a different pinout, use a cable.

External button connectors



Pin compatible with most cheap TTP223 touch modules.

Merci !
<https://hallard.me/>
<https://github.com/hallard/Battery-Voltage-Measure>

TITLE:

ESPRESSO Scale PRO

REV: 3.0

Company:

Sheet: 2/3

Date: 2019-03-14 Drawn By: jousis