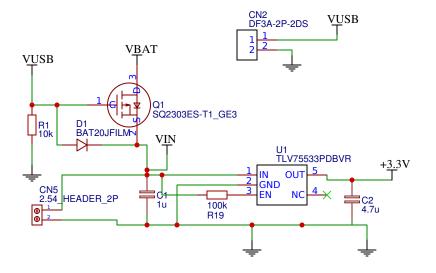
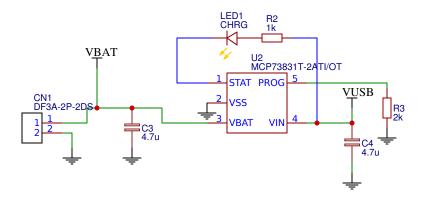
Power input (USB/Lipo)



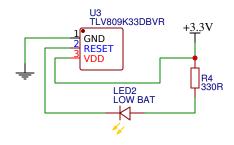
 $https://cdn.sparkfun.com/assets/learn_tutorials/5/0/7/esp32-thing-schematic.pdf$

Li-Po Charging



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

Low Bat Warning LED

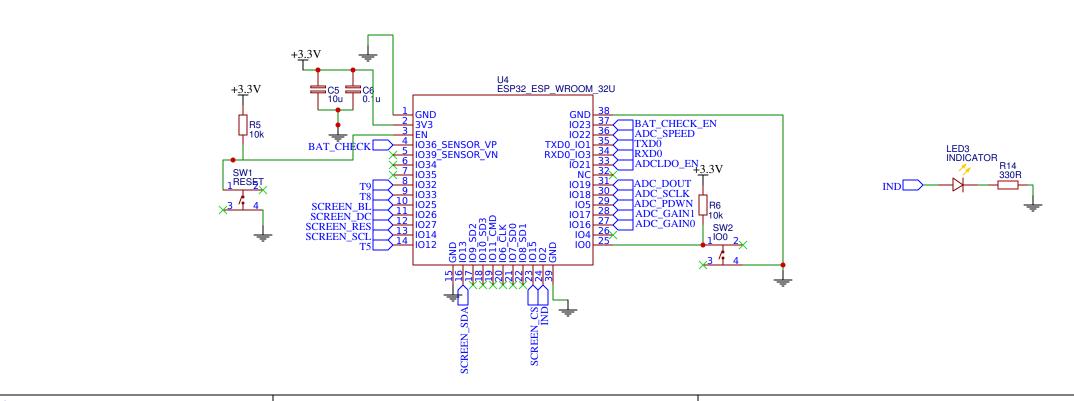


Completely optional but very useful.

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

Use a low power led.

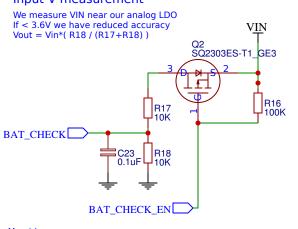
| TITLE: ESPre. | sso Scale PRO | REV: 3.0 |
|---------------|-----------------------------------|------------|
| | Company: | Sheet: 1/3 |
| | Date: 2019-03-14 Drawn By: jousis | |





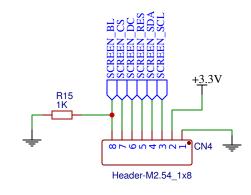


Input V measurement



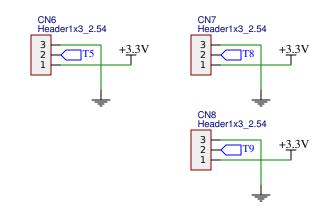
https://hallard.me/ https://github.com/hallard/Battery-Voltage-Measure

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.

TITLE: ESPresso Scale PRO REV: 3.0

Company: Sheet: 2/3

Date: 2019-03-14 Drawn By: jousis

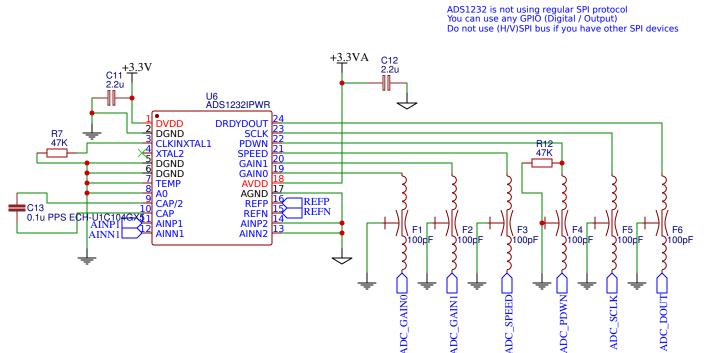
VIN VIN U5 TPS7A0533PDBVR 1 NC 1 NC ADCLDO_EN R13 100K R20 1R20

R20 is optional in order to improve output stability if you use low-ESR MLCC.

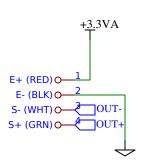
Check the datasheet of your LDO and decide the needed value.

If you don't want R20, remember to join the pads together to ground C10.

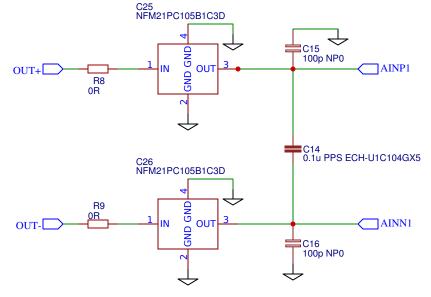
C24 is only for some LDOs for lower noise (ex. TPS736) and even then, is completely optional. Check datasheet.



Load Cell Pads



Analog Input +/- RC Filter



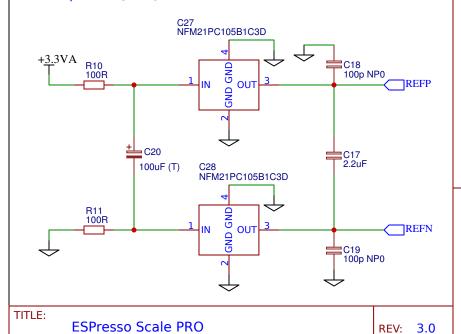
Note: R8,R9 values are not fine tuned. Try 150R or more.

REF+/REF- RC Filter

Company:

2019-03-14

Drawn By: jousis



Sheet: 3/3

Note: