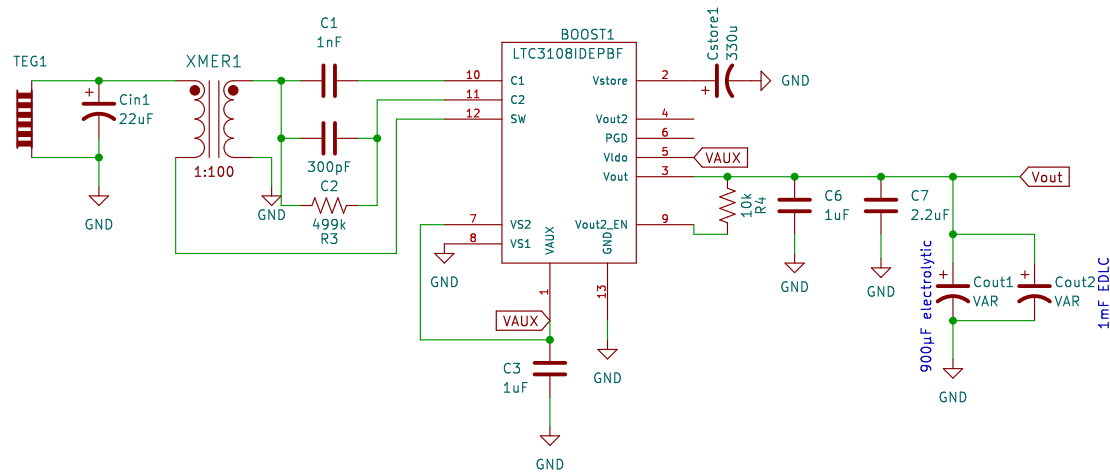
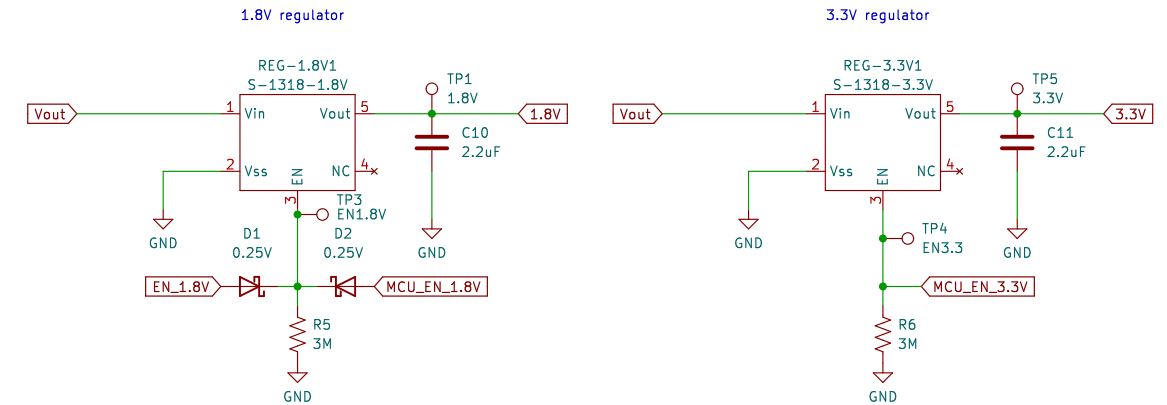


## Step-up converter



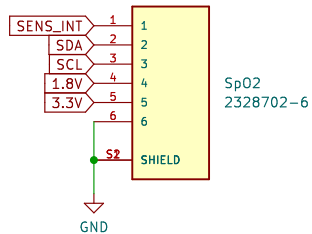
## Power regulation



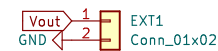
Hysteretic 1.8V regulator enable

Turn on > 4.0V (~3.99V)  
Turn off < 3.3V (~3.29V)

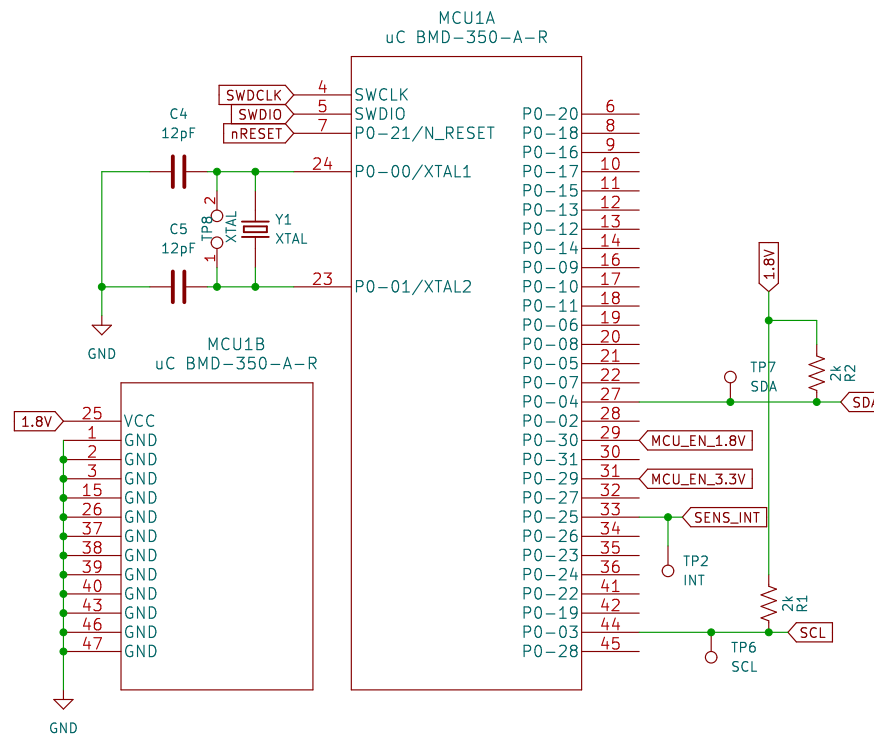
SpO2 sensor connector



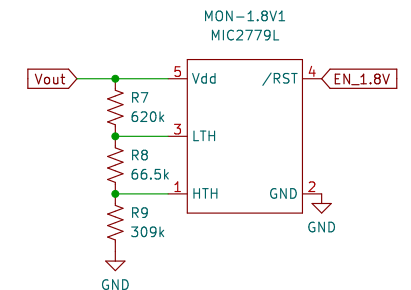
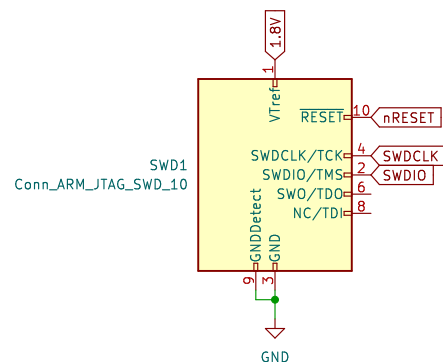
External power connector



## Microcontroller



## SWD connector

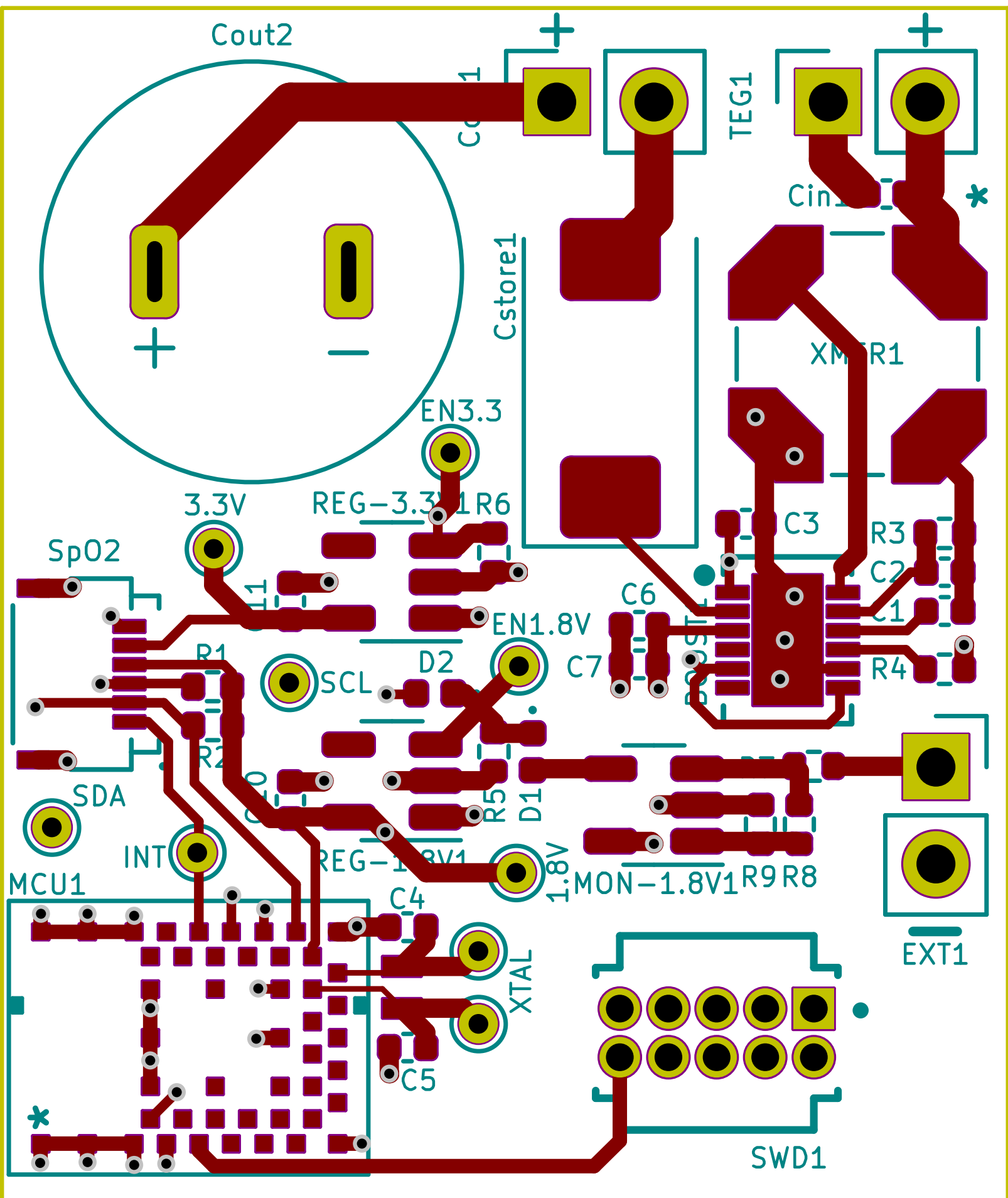


Anthony Wertz  
**Soft Machines Lab**  
 Sheet: /  
 File: tegsense.kicad\_sch

**Title: TEGSense**

Size: USLegal	Date: 8/26/2022
KiCad E.D.A. kicad (6.0.5-0)	

Rev: v3  
Id: 1/1



**KEMET**

Cout1

TEG1

Cin1

\*

Cstore1

EN3.3

3.3V

REG-3.3V1 R6

Sp02

C11

R1  
R2

C10

SDA

INT

MCU1

SCL

D2

R5

REG-1.8V1

C4

XTAL

C5

EN1.8V

1.8V

C6  
C7

BOOST1

C3

R3  
C2  
C1

R4

R7

MON-1.8V1 R9 R8

EXT1