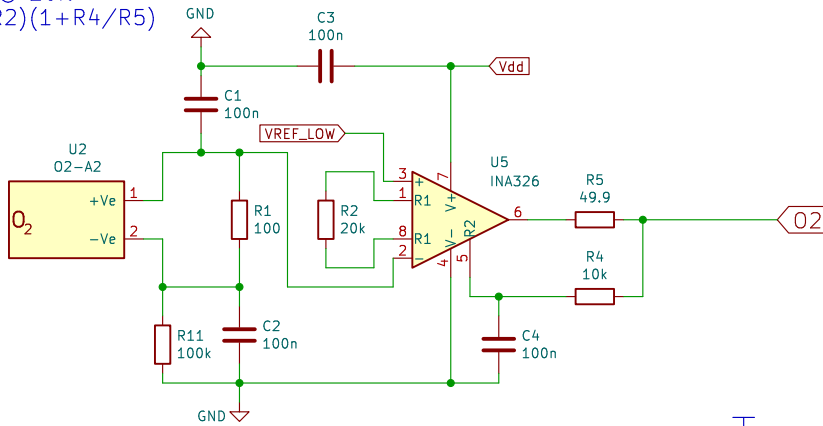


# O2 sensor

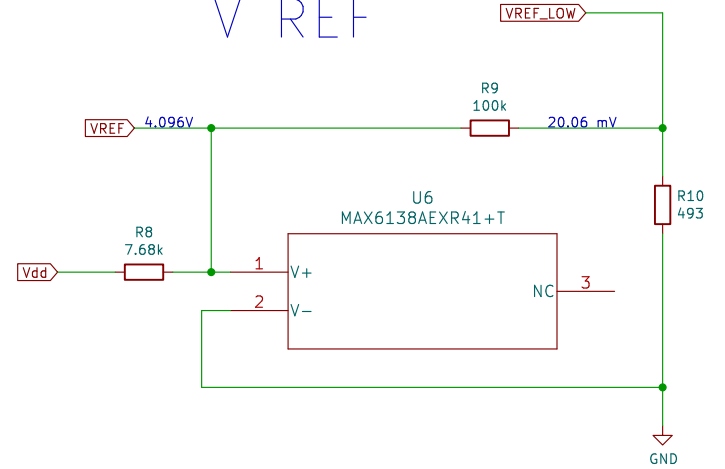
O2\_A2: 80-120 uA @ 20%  
 $I_{out} = 2 \cdot ((V_{ref} - V_{in}) / R2) \cdot (1 + R4 / R5)$   
 $I_{out}: 200\mu A - 400\mu A$



- FID1 Fiducial
- FID2 Fiducial
- FID3 Fiducial
- FID4 Fiducial

- H1 MountingHole
- H2 MountingHole

# V REF

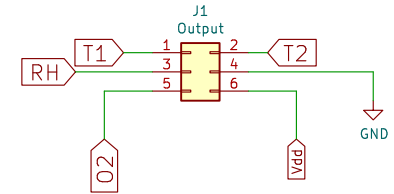


# T sensor

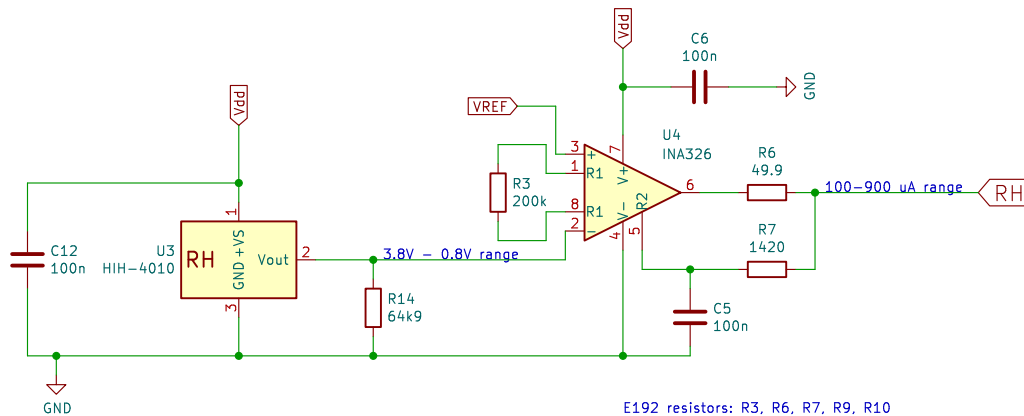


1uA/K (298.2 uA @ 25C)  
 Use a 575200B00000G heatsink on the AD592

Connection to weather station = MSCB node



# RH sensor



E192 resistors: R3, R6, R7, R9, R10



Connection for remote T sensor

Frederik Wauters & Frank Meier  
 O2 + T + RH board

**JGU Mainz**

Sheet: /  
 File: cage\_unit.kicad\_sch

**Title: Sensor Unit, Mini Weather Station**

Size: A4 Date: 2022-02-09  
 KiCad E.D.A. kicad 7.0.2-6a45011f42-172-ubuntu20.04.1

Rev:  
 Id: 1/1