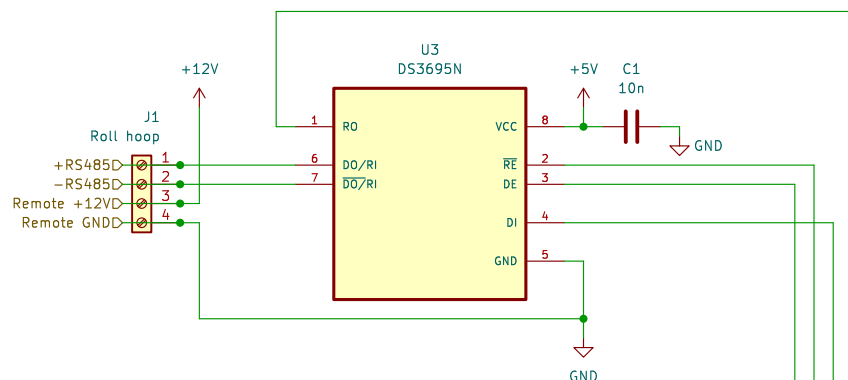
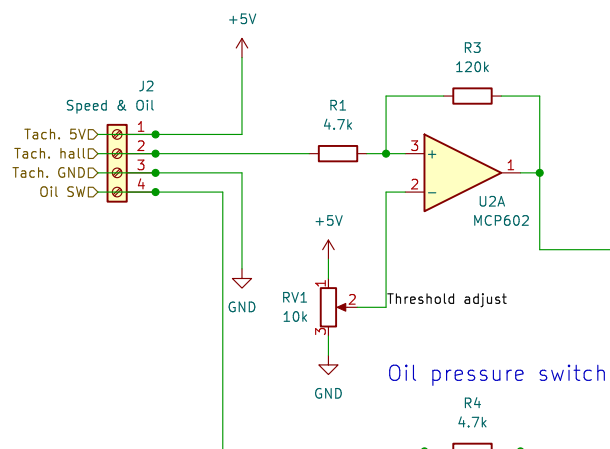




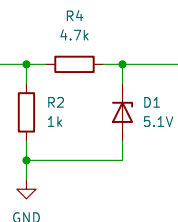
## RS485 connection to roll hoop



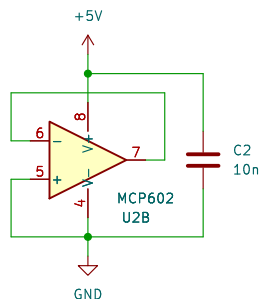
## Hall effect engine speed sensor



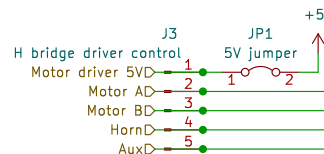
## Oil pressure switch



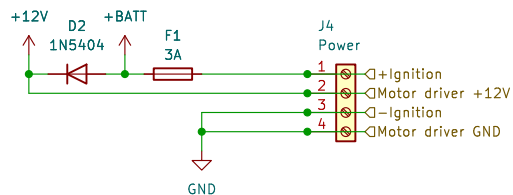
## Unused op amp



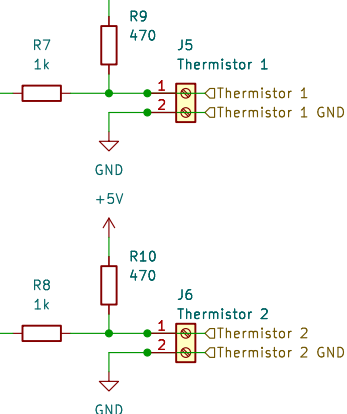
## H bridge control pins



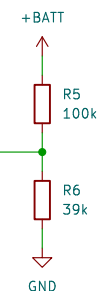
## Power input and H bridge power



## NTC Thermistors

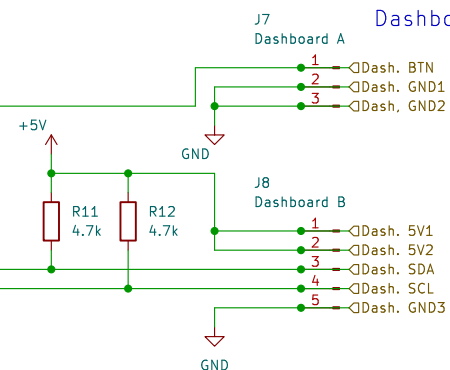


## Battery voltage divider



- H1 MountingHole
- H2 MountingHole
- H3 MountingHole
- H4 MountingHole

## Dashboard



Note that the ground symbol represents 0V in this schematic. Positive earthed vehicles should connect +VDC to the chassis and -VDC to the battery through the ignition switch.

<https://github.com/jg0hYeah/TractorWatchdog>

Jotham Gates

Sheet: /Main PCB/

File: main\_unit.kicad\_sch

**Title: Tractor Engine Watchdog – Main PCB**

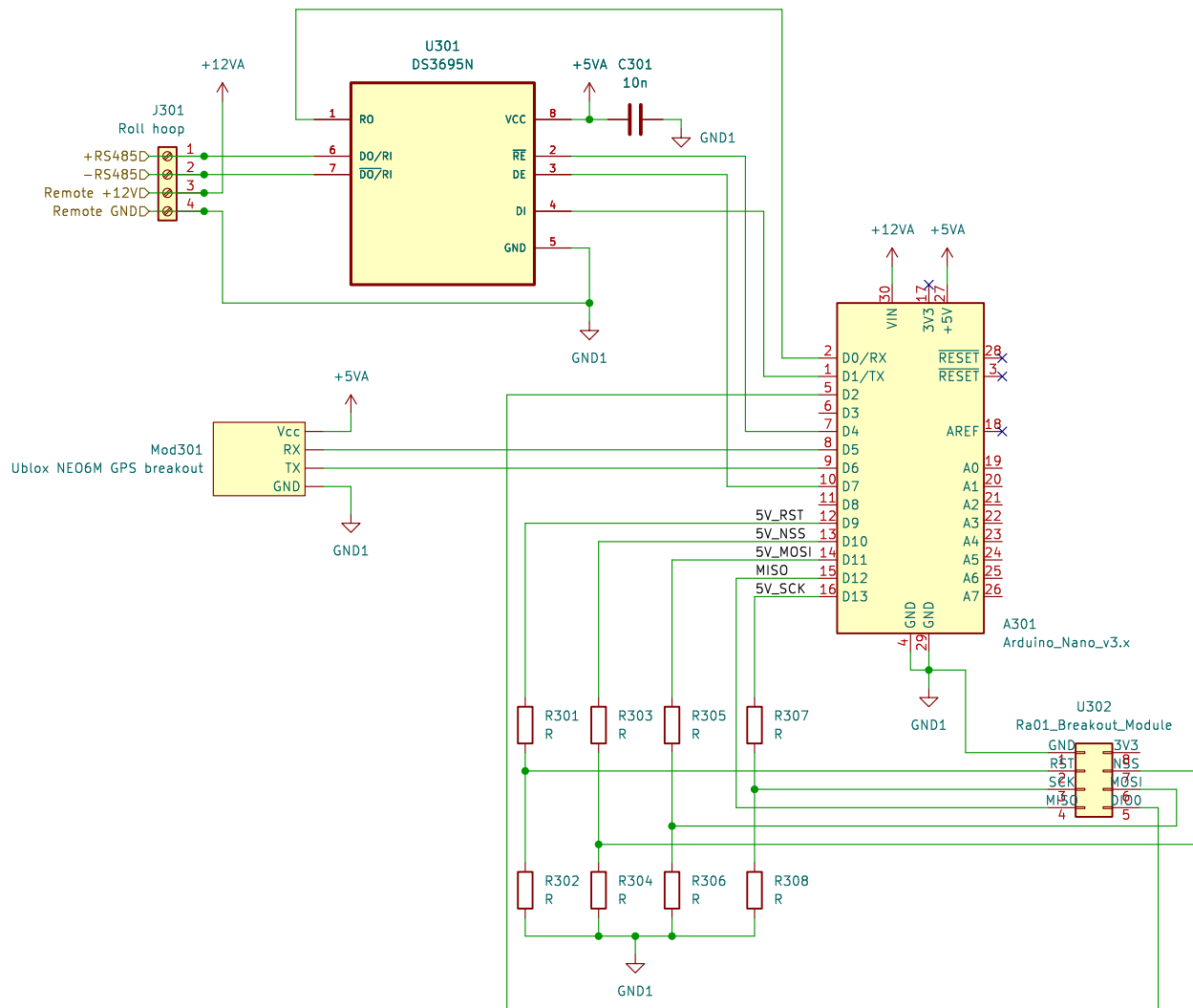
Size: A4 Date: 2023-12-28

KiCad E.D.A. kicad 7.0.9-ubuntu22.04.1

Rev: 1

Id: 2/3

# RS485 connection to main unit



Note that the ground symbol represents 0V in this schematic. Positive earthed vehicles should connect +VDC to the chassis and -VDC to the battery through the ignition switch.

<https://github.com/jg0hYeah/TractorWatchdog>

**Jotham Gates**

Sheet: /Remote PCB/

File: remote\_pcb.kicad\_sch

**Title: Tractor Engine Watchdog – Remote PCB**

Size: A4

Date: 2023-12-28

Rev: 1

KiCad E.D.A. kicad 7.0.9-7.0.9-ubuntu22.04.1

Id: 3/3