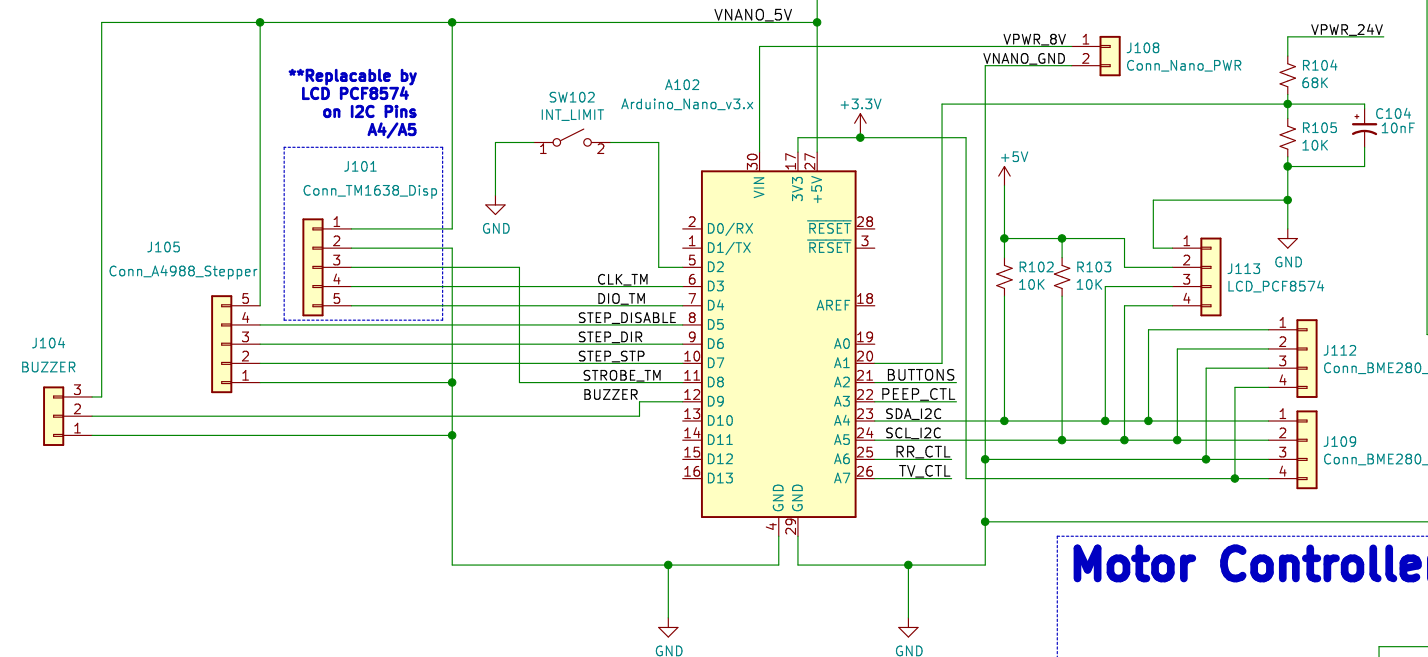
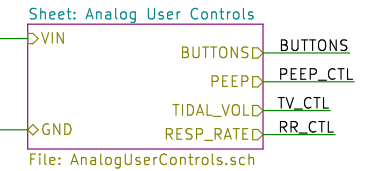
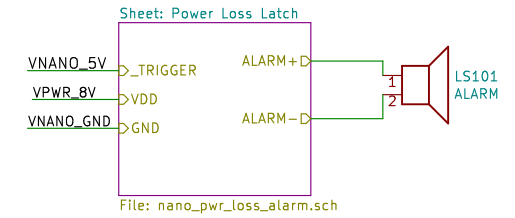


Main Controller

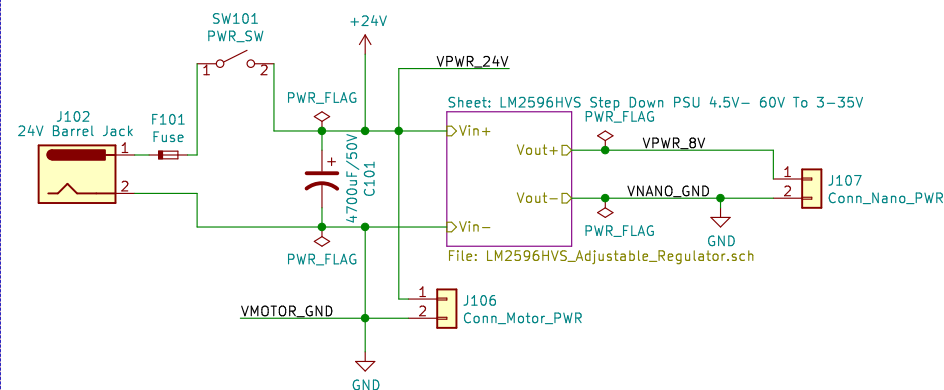


Alarm

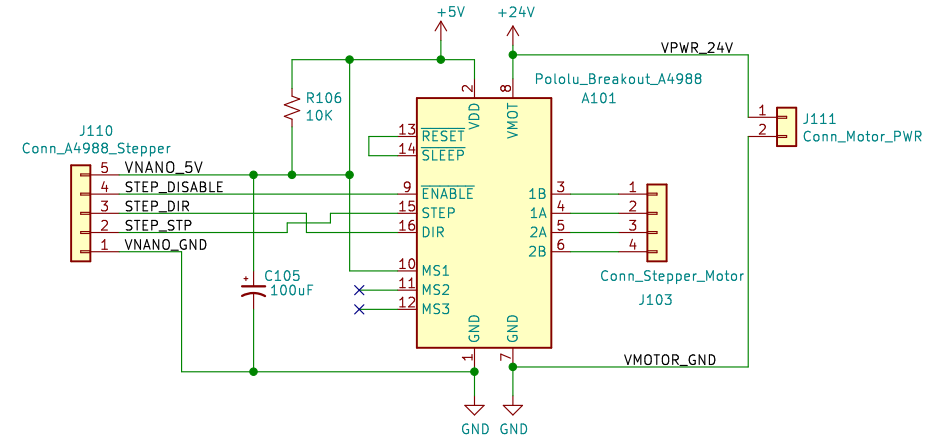
*Not necessary for controller prototyping



Power Supply



Motor Controller



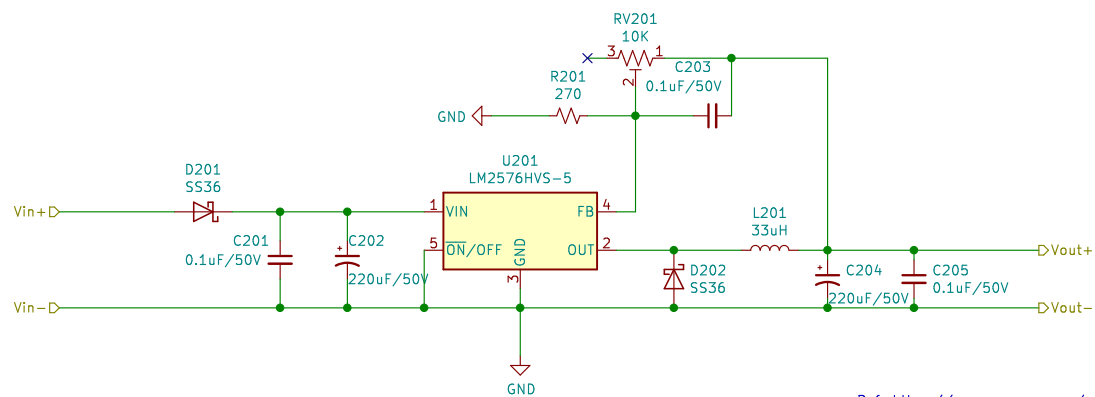
Designer: Eric Vinter
 Drafting: Robbie Sharma
<https://github.com/ermtl/Open-Source-Ventilator>

Sheet: /
 File: OpenSourceVentilator.sch

Title: OpenSourceVentilator Controller

Size: A4 Date: Mar. 28 2020
 KiCad E.D.A. kicad (5.1.5)-3

Rev: 2b
 Id: 1/4

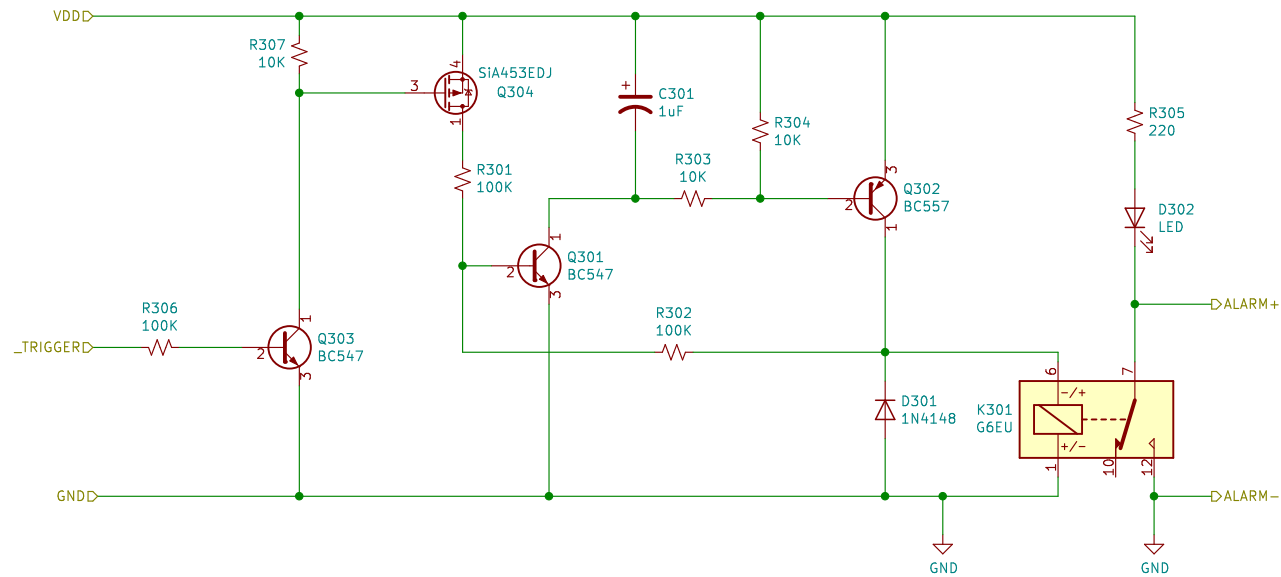


Ref: <https://www.sunrom.com/p/lm2596hvs-adj-to263>
 TODO: Verify C203 is supposed to be 0.1uF/50V

<https://gitlab.com/open-source-ventilator/OpenLung>
 Design Credit: Eric Vinter - <https://github.com/ermtl/Open-Source-Ventilator>
 Designer: Eric Vinter
 Drafting: Robbie Sharma
<https://github.com/ermtl/Open-Source-Ventilator>
 Sheet: /LM2596HVS Step Down PSU 4.5V- 60V To 3-35V/
 File: LM2596HVS_Adjustable_Regulator.sch

Title: OpenSourceVentilator Controller

Size: A4	Date: Mar. 28 2020	Rev: 2
KiCad E.D.A. kicad (5.1.5)-3		Id: 2/4



Drafting: Robbie Sharma
<https://github.com/ermtl/Open-Source-Ventilator>

Sheet: /Power Loss Latch/
 File: nano_pwr_loss_alarm.sch

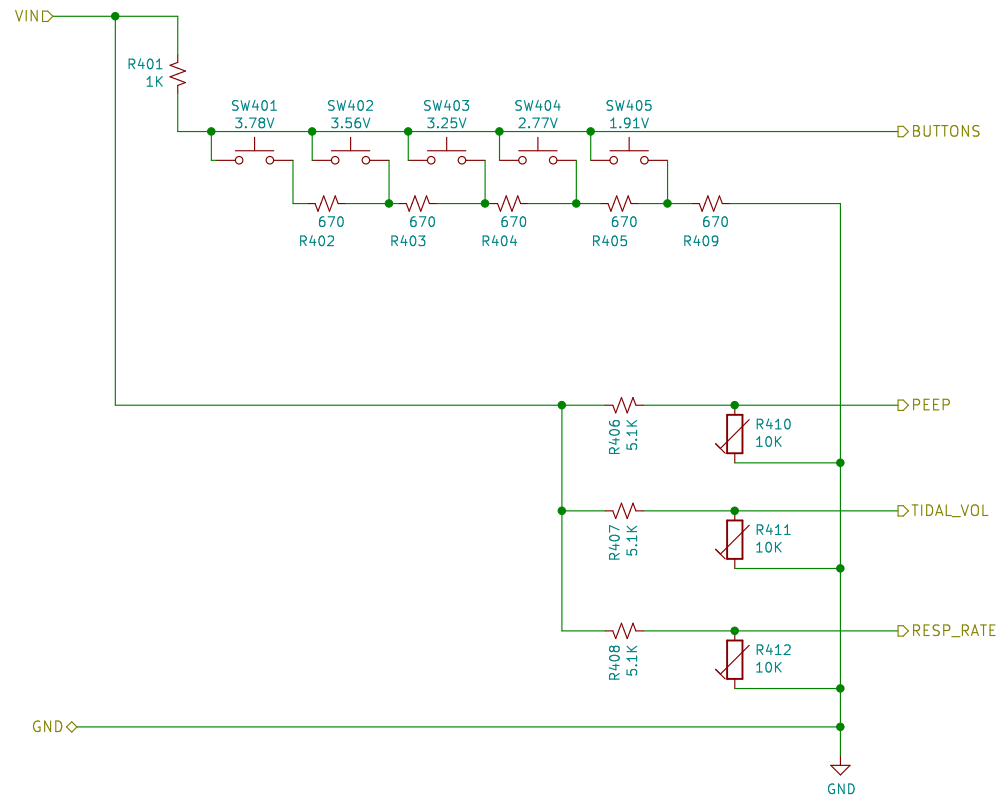
Title: OpenSourceVentilator Controller

Size: A4 Date: Mar. 28 2020

KiCad E.D.A. kicad (5.1.5)-3

Rev: 1b

Id: 3/4



Robbie Sharma
<https://github.com/ermtl/Open-Source-Ventilator>

Sheet: /Analog User Controls/
 File: AnalogUserControls.sch

Title: OpenSourceVentilator Controller

Size: A4
 Date: Mar. 28 2020
 KiCad E.D.A. kicad (5.1.5)-3

Rev:
 Id: 4/4