Servo motor stepper project (M3)

Stepper motor controller with overtemperature, overvoltage and overcurrent protection

Status reading guide:

Draft: Early stage, ignore details. Preliminary: Almost finished, could have some errors. Checked: There shouldn't be any error, inform if that isn't the case. Released: The schematic belongs to a board sent to production.

Comments reading quide:

Compatibility

Desian

Layout

user information

Status Released

Release date: 09/12/23 (DD/MM/YY)

Variation: No variations

Number of layers: 2

Micro/blind/buried vias: No

Related files: BOM, gerber files and pick and place data

Number of sheets, 1

Note: — (V3P3) This is a global scope label. Reset This is a local (sheet) scope label. Servo motor stepper (M3) V4 - 2023 - 12 - 09 (DD/MM/YY)

Mark not fitted R18 components as: 1.2R

File: M3-V4.kicad sch

Title: Servo motor stepper - M3 project

Date: 2023-12-09 Rev: V4 KiCad E.D.A. kicad 7.0.9-1.fc39 ld: 1/6

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Power block Diagram

Schematic top level

Signal block Diagram

Mechanical

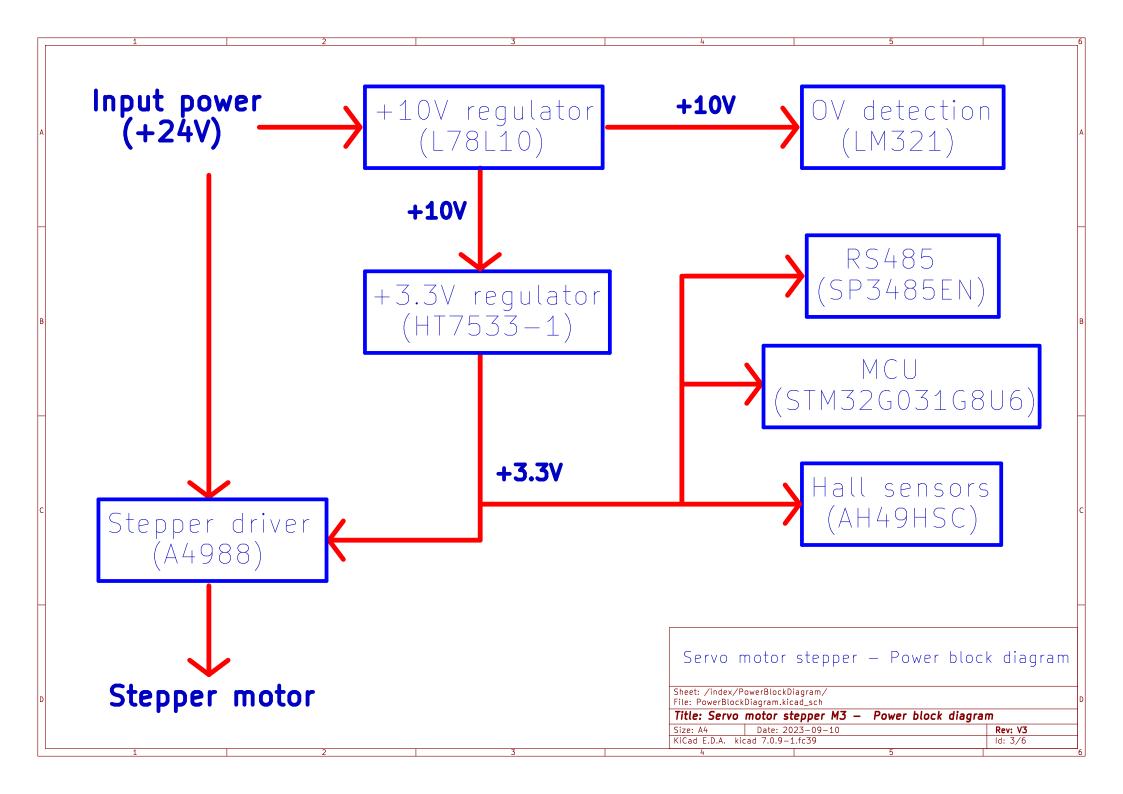
Servo motor stepper - Index

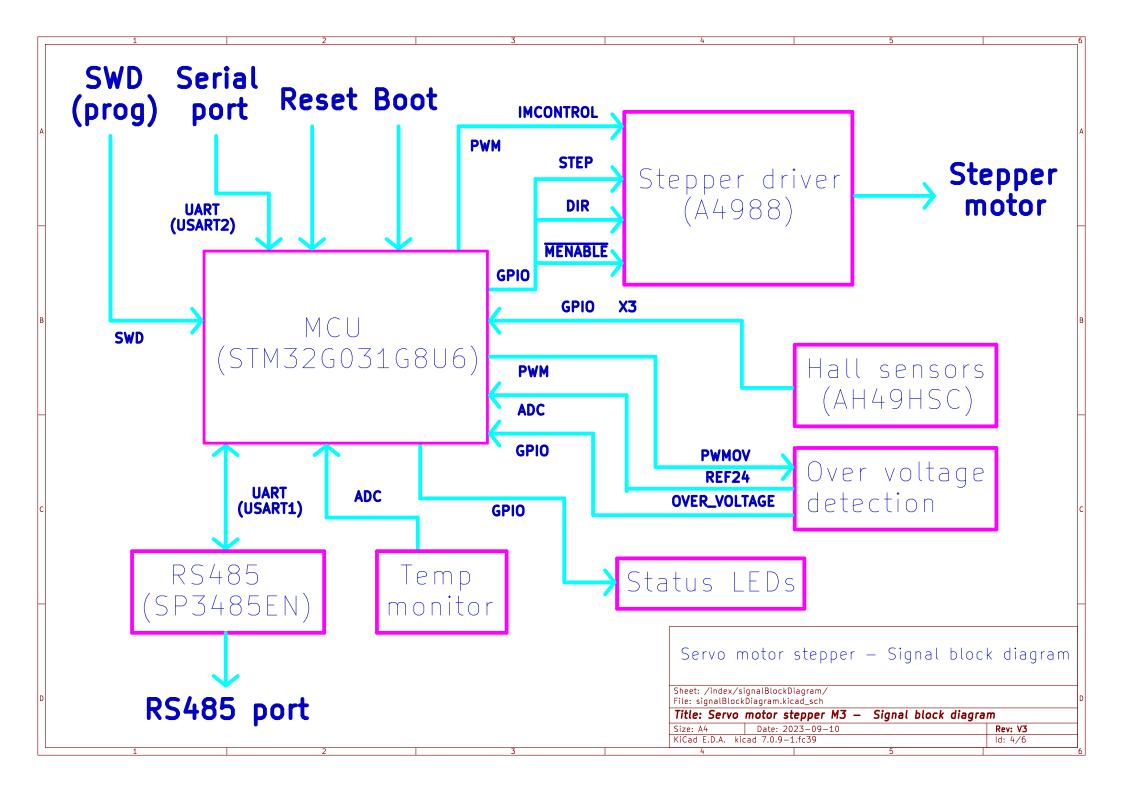
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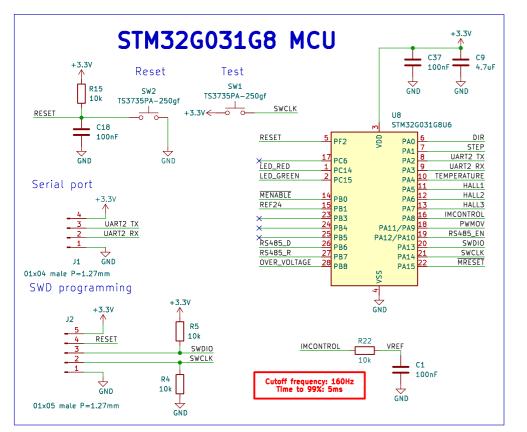
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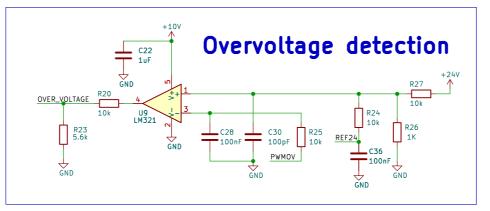
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 Date: 2023-09-10
 Rev: V3

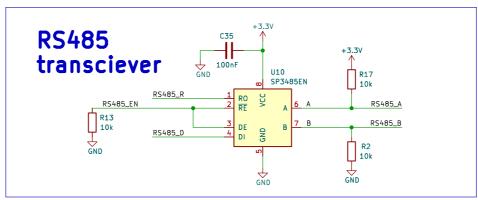
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 Id: 2/6

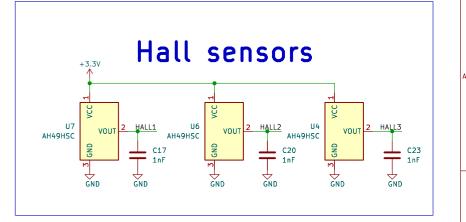


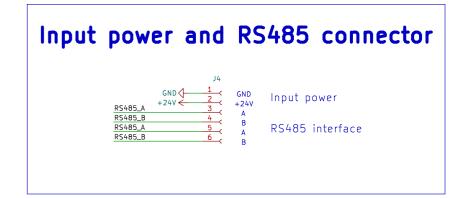


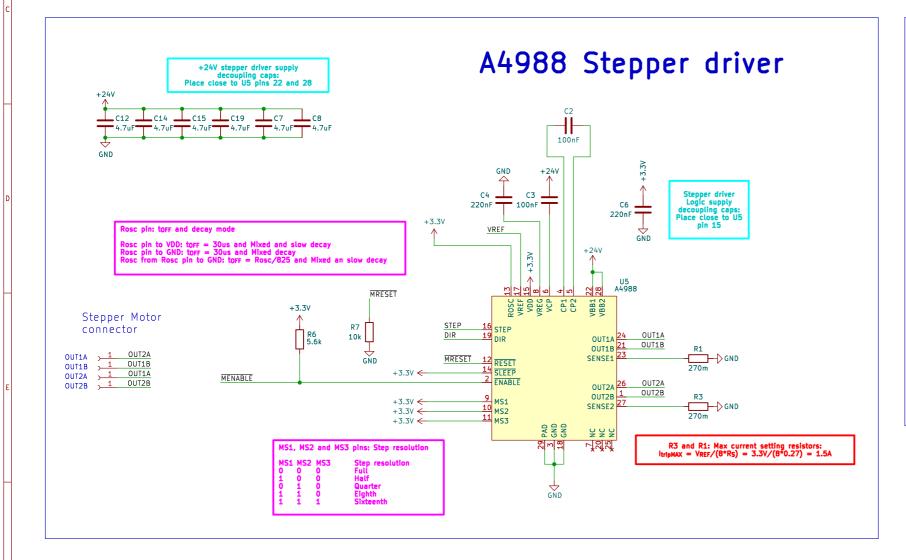


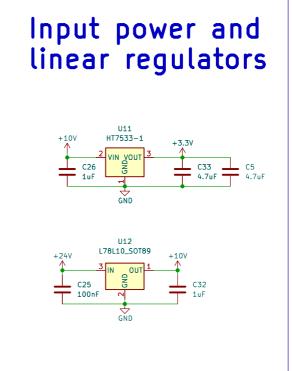


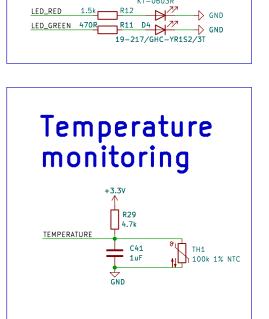












Status LEDs

