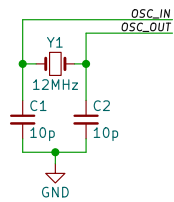
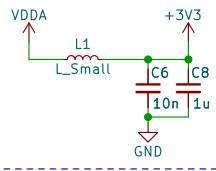


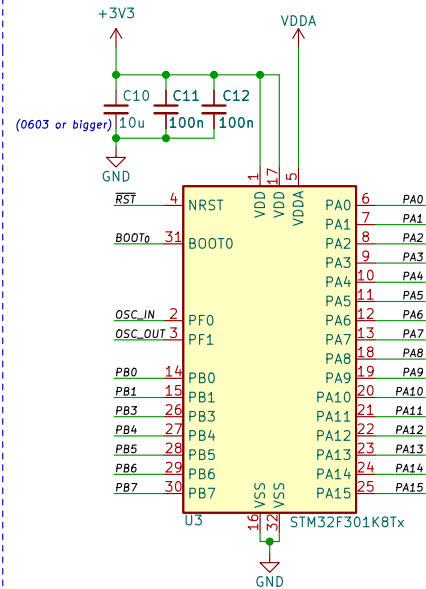
External Oscillator



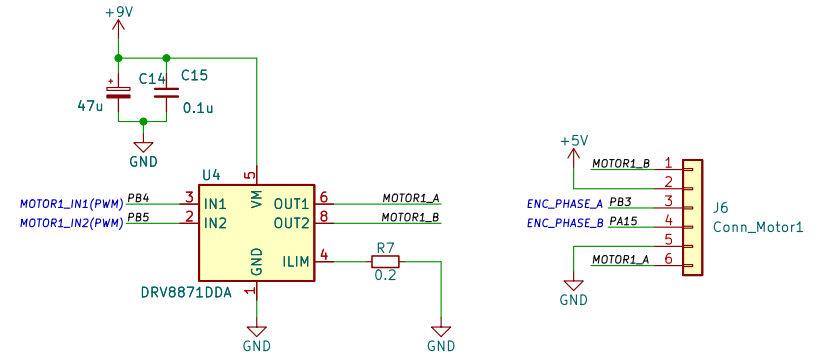
Analog Filtering



MCU Core



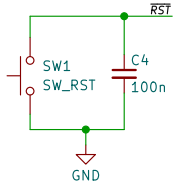
DC Motor Driver



[For more info refer to Fig 7, Section 8.2 of DRV8871DDA datasheet]

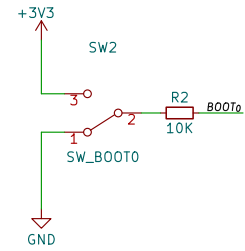
[Assuming typical DC motors with encoders found on Amazon/Allexpress]

External Reset



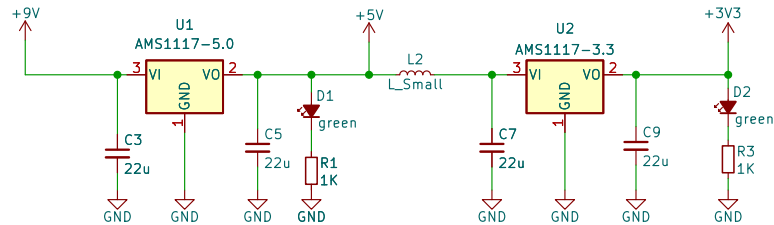
[Refer Figure 25 on Page 92 of datasheet]

Boot Selector

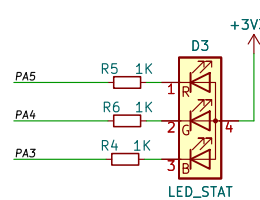


[Refer to UMI956 Electrical schematics, UMI956 Rev 5 for details]

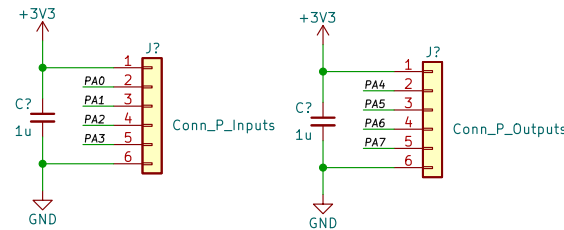
Power Filtering and Regulation



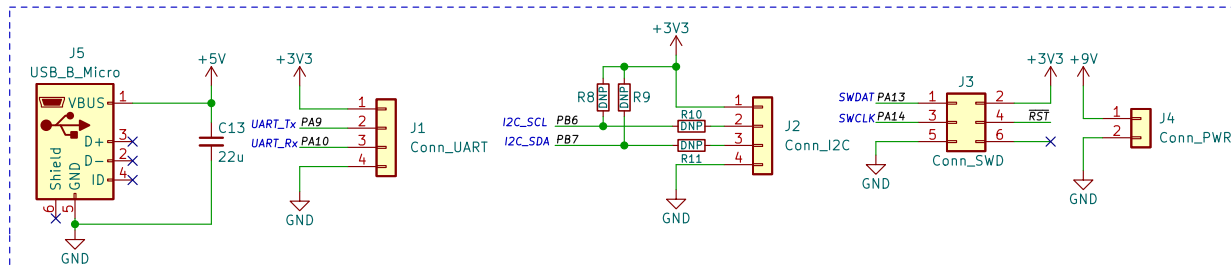
Status LED



Programmable Digital I/O



Connectors – MCU



H1 H3
M3 M3
H2 H4
M3 M3

Sheet: /
File: stm32f303-dev-board.kicad_sch

Title:

Size: A4

Date:

KiCad E.D.A. kicad 6.0.10-86aedd382b-118-ubuntu20.04.1

Rev:

Id: 1/1