



File: Power.kicad_sch

DC Motor Control

- ▷ M1
- ▷ M2
- ▷ M3
- ▷ LED1

Stepper Module

EN	INDEX
STEP	DIAG
DIR	UART_RX
MS1	UART_TX
MS2	PDN
SPREAD	

File: 0_Adapter_Board_02.kicad_sch

Stepper Module1

EN	INDEX
STEP	DIAG
DIR	UART_RX
MS1	UART_TX
MS2	PDN
SPREAD	

File: 0_Adapter_Board_02.kicad_sch

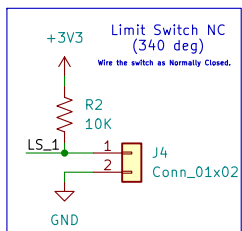
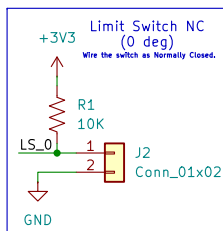
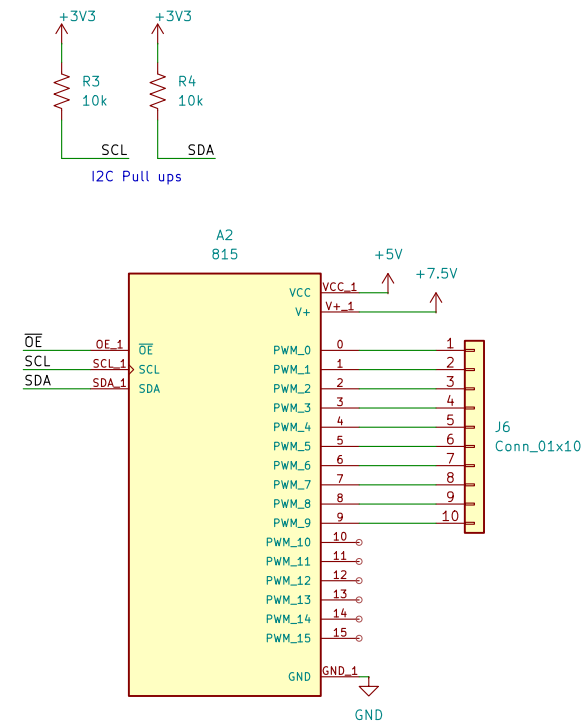
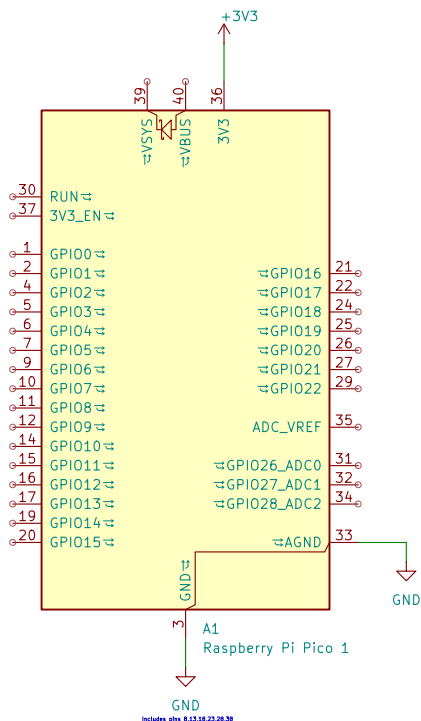


LS_0

LS 1

 \overline{OE}

SCL



basically

Sheet: /

File: 1_Distribution_Board.kicad_sch

Title: Distribution Board

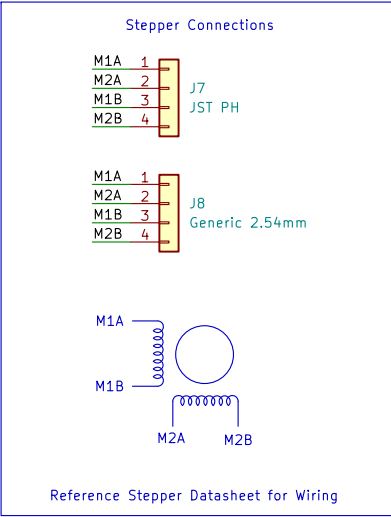
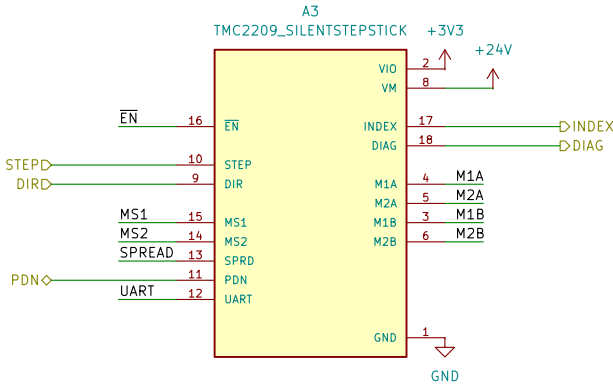
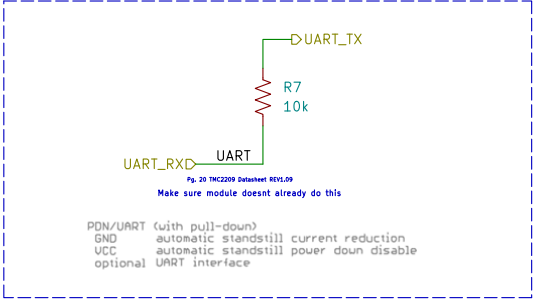
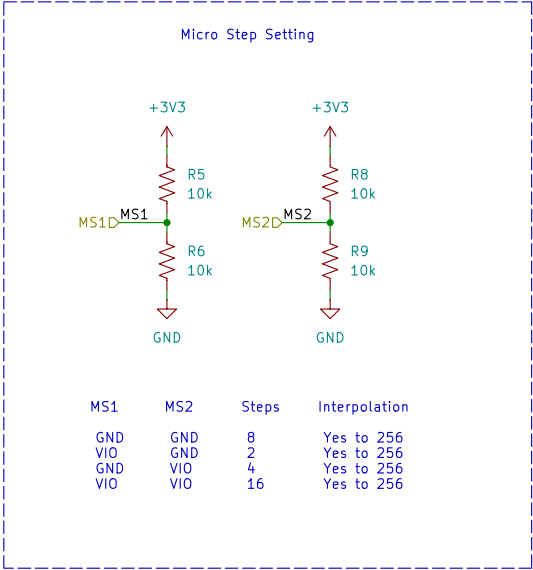
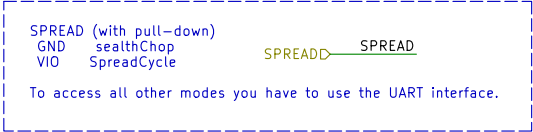
Size: A4

Date: 2026-01-07

Rev: 0.2

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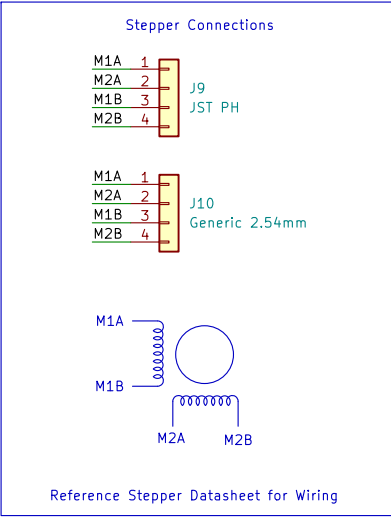
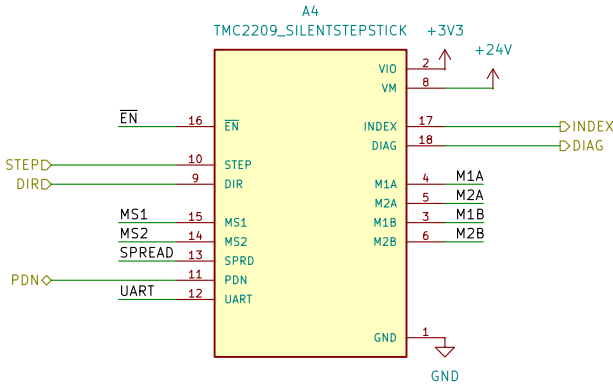
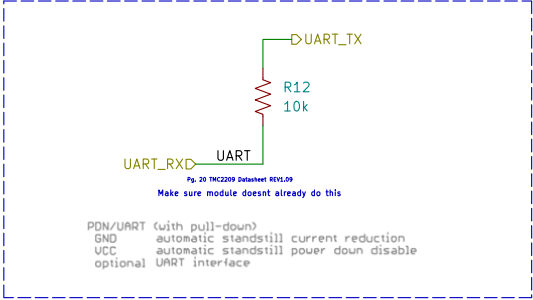
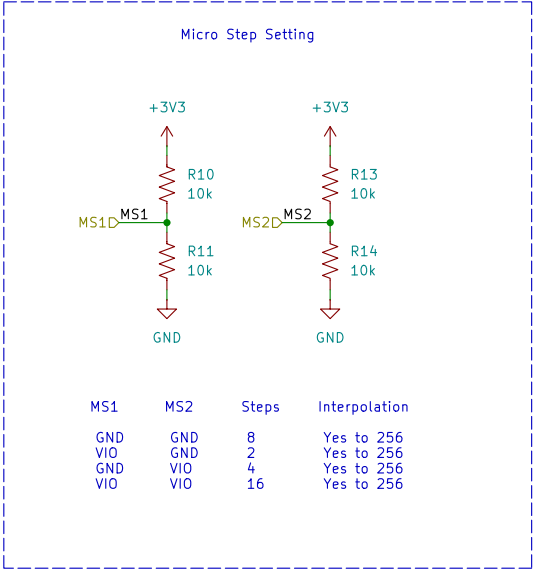
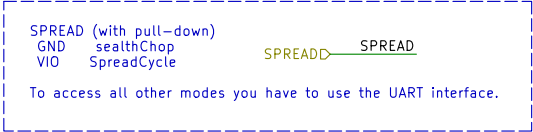
Id: 1/5



Sheet: /Stepper Module/
File: 0_Adapter_Board_02.kicad_sch

Title: Stepper Modules

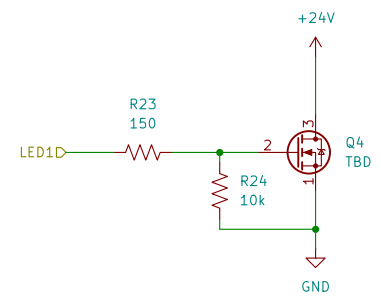
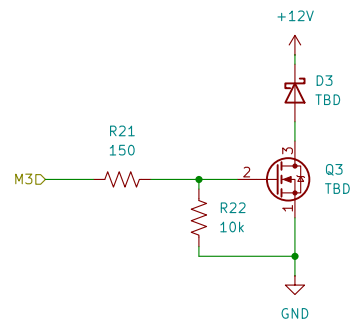
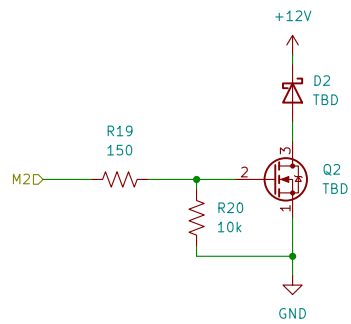
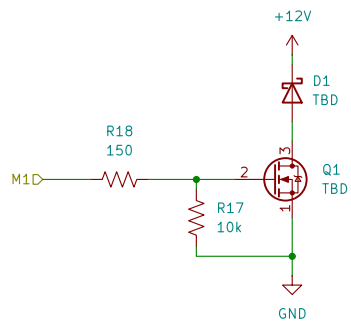
Size: A4	Date: 2026-01-07	Rev: 0.2
KiCad E.D.A. 9.0.6		Id: 2/5



Sheet: /Stepper Module1/
File: 0_Adapter_Board_02.kicad_sch

Title: Stepper Modules

Size: A4	Date: 2026-01-07	Rev: 0.2
KiCad E.D.A. 9.0.6		Id: 3/5



Sheet: /DC Motor Control/
File: untitled.kicad_sch

Title:

Size: A4

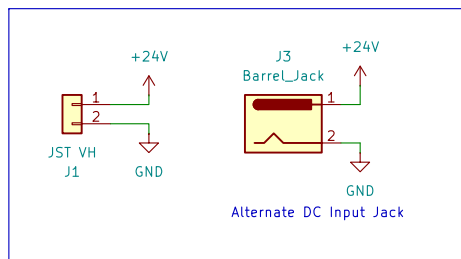
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KiCad E.D.A. 9.0.6

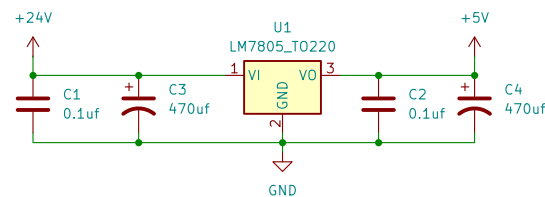
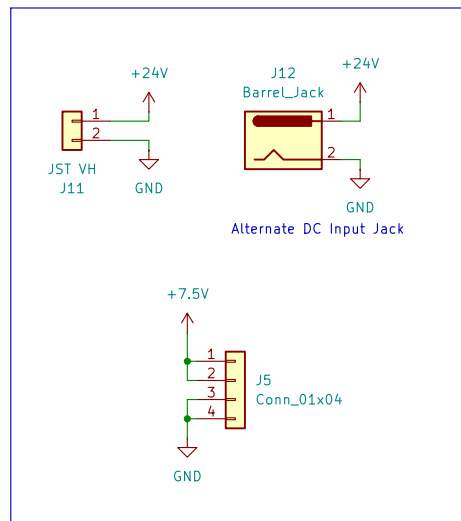
Rev:

Id: 4/5

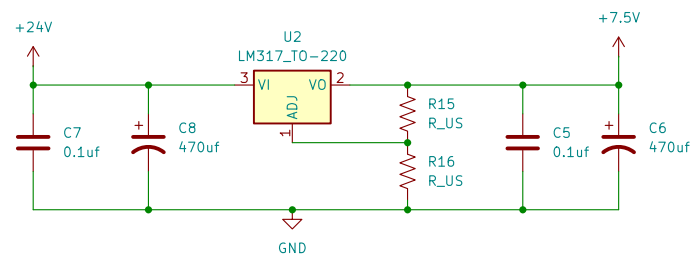
Power Input



Power Output



Do we need these to be switching? Can the To-220 handle the power?



Still need 12V, 7812?

Do we need a 3V3 power rail? Planning on using jsut what comes off the RP

Sheet: /Power/
File: Power.kicad_sch

Title:

Size: A4
KiCad E.D.A. 9.0.6

Date:

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Id: 5/5