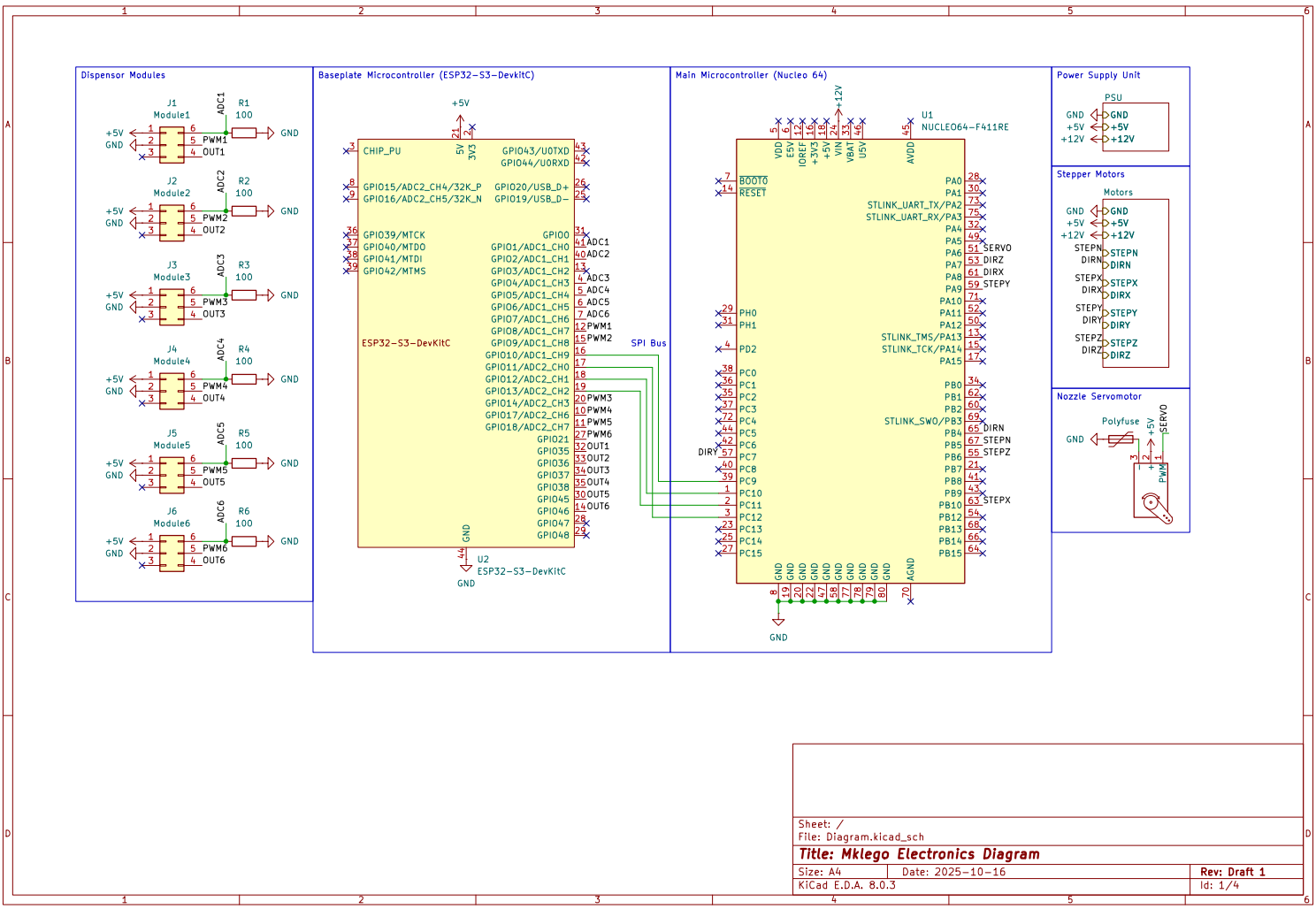

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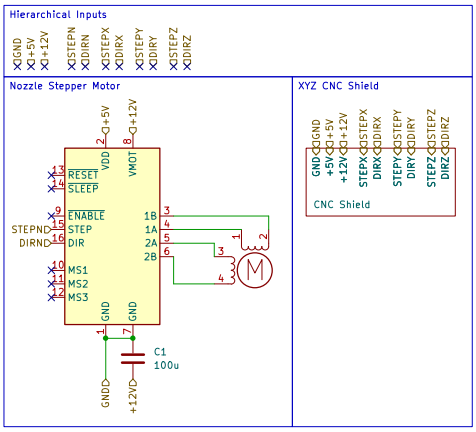
Size: A4	Date: 2025-10-16	**Rev: Draft 1**
KiCad E.D.A. 8.0.3		Id: 1/4



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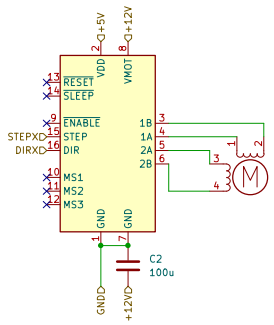
Title: Motors for Nozzle and XYZ Axis		
Size: A4	Date: 2025-10-16	**Rev: Draft 1**
KiCad E.D.A. 8.0.3		Id: 2/4

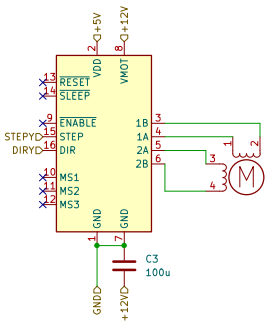
Hierarchical Inputs

GND
+5V
+12V
STEPX
DIRX
STEPY
DIRY
STEPZ
DIRZ

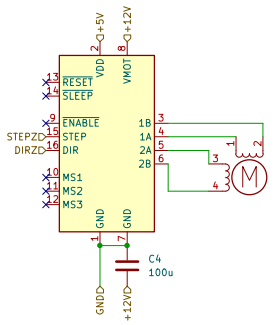
X Stepper Motor



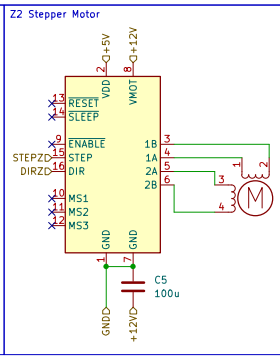
Y Stepper Motor



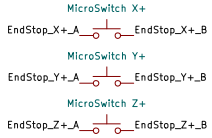
Z1 Stepper Motor



Z2 Stepper Motor



Micro Switch

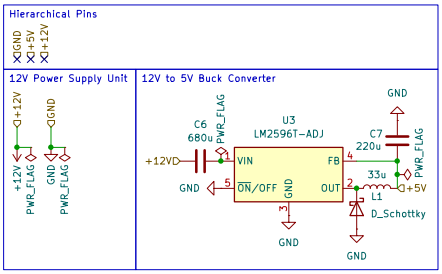


Mklego

Sheet: /Motors/CNC Shield/
File: cnc_shield.kicad_sch

Title: CNC Shield for XYZ motors of Prusa

Size: A4	Date: 2025-10-16	Rev: Draft 1
KiCad E.D.A. 8.0.3		Id: 3/4



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File: psu.kicad_sch		
Title: 5V and 12V Power Supply Unit		
Size: A4	Date: 2025-10-16	**Rev: Draft 1**
KiCad E.D.A. 8.0.3		Id: 4/4