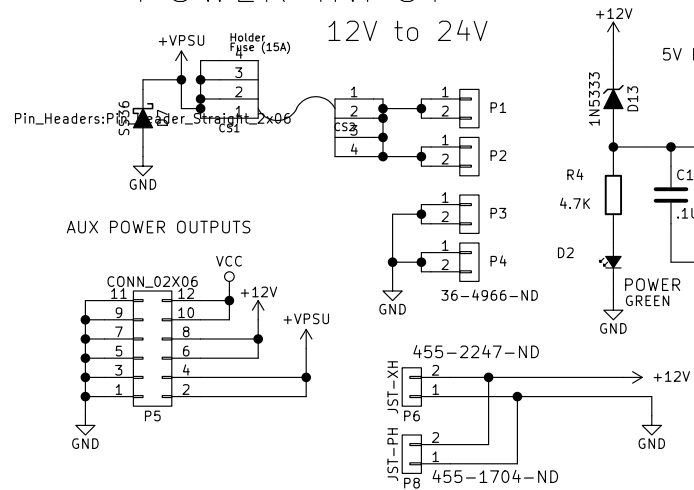
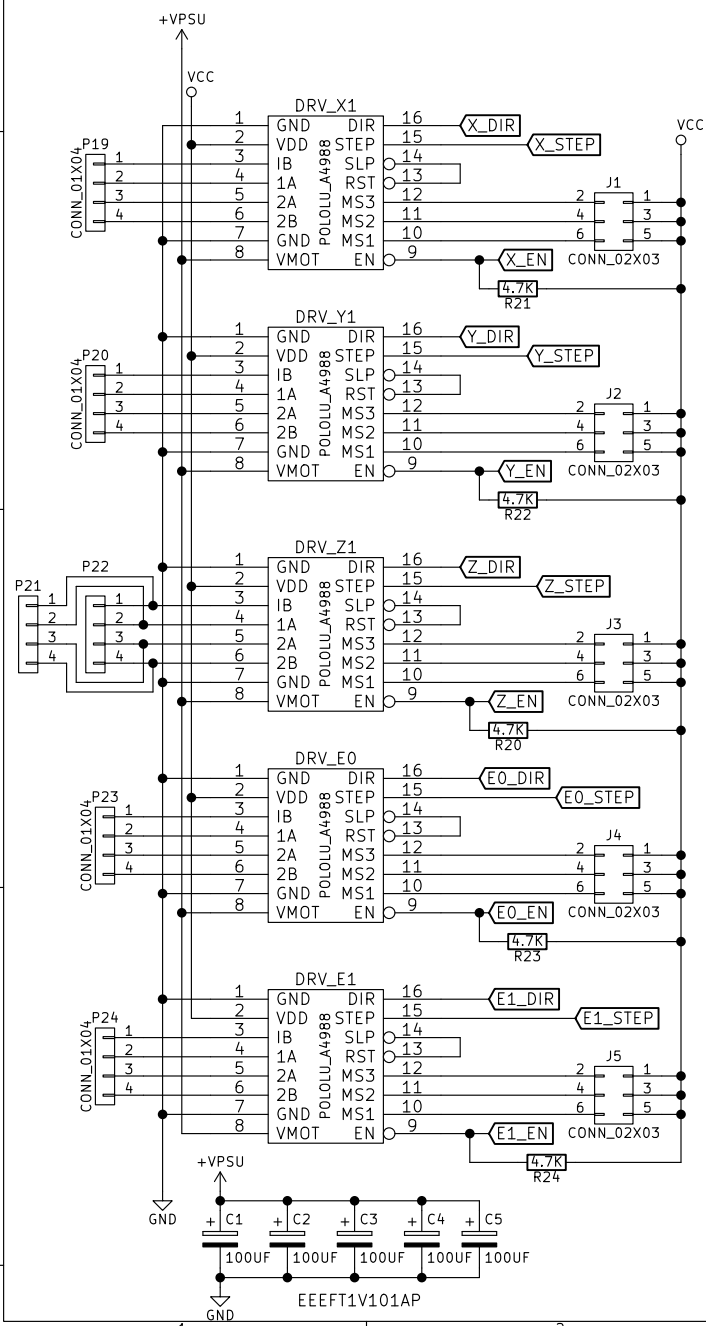


## POWER INPUT

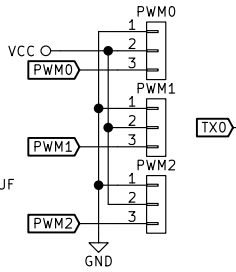
12V to 24V



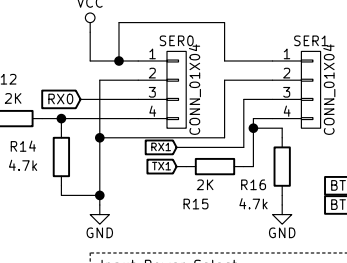
## Stepper Motor Sockets



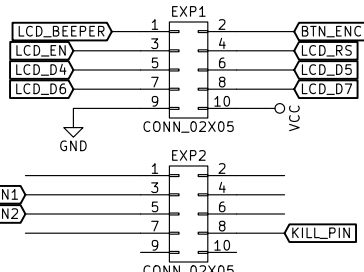
## PWM Expansion



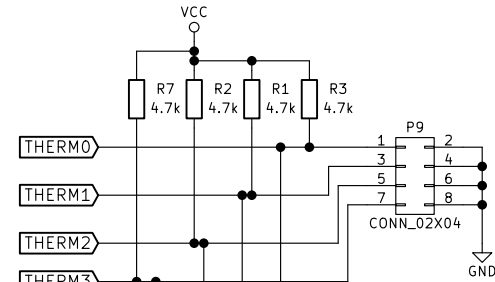
## Serial Expansion Ports



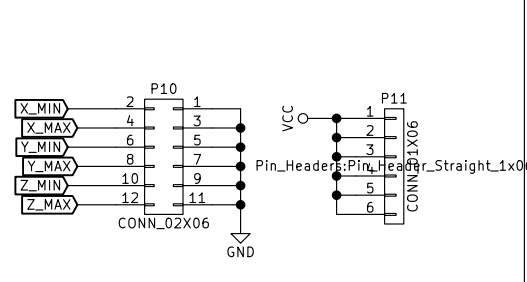
## LCD Interface



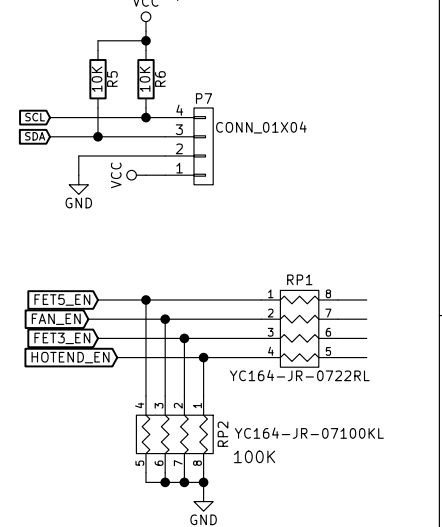
## Thermistor / ADC Inputs



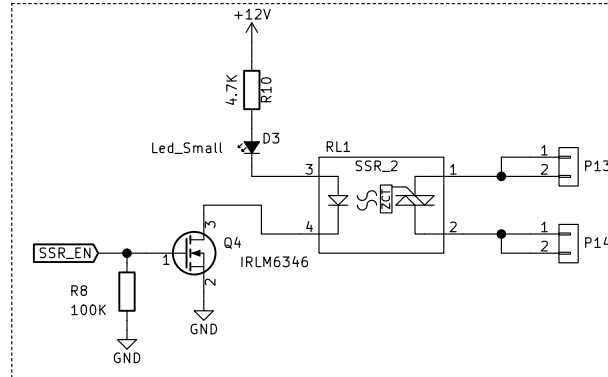
## Endstop Inputs



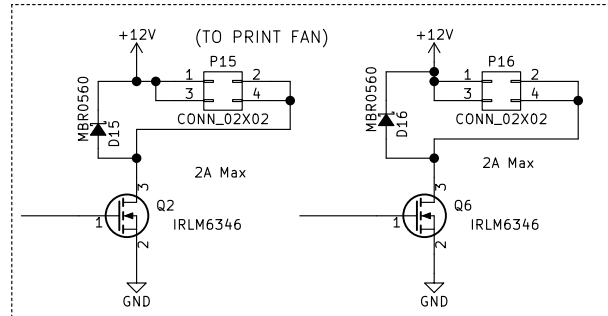
## I2C Expansion



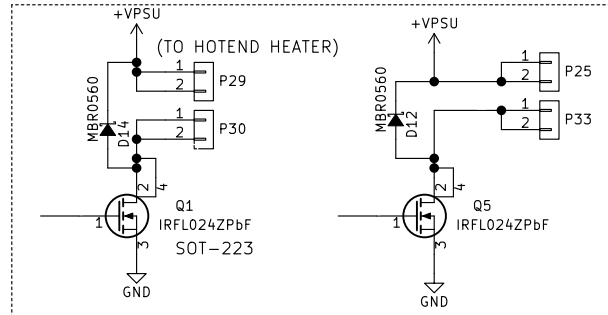
## SSR FOR AC LOADS



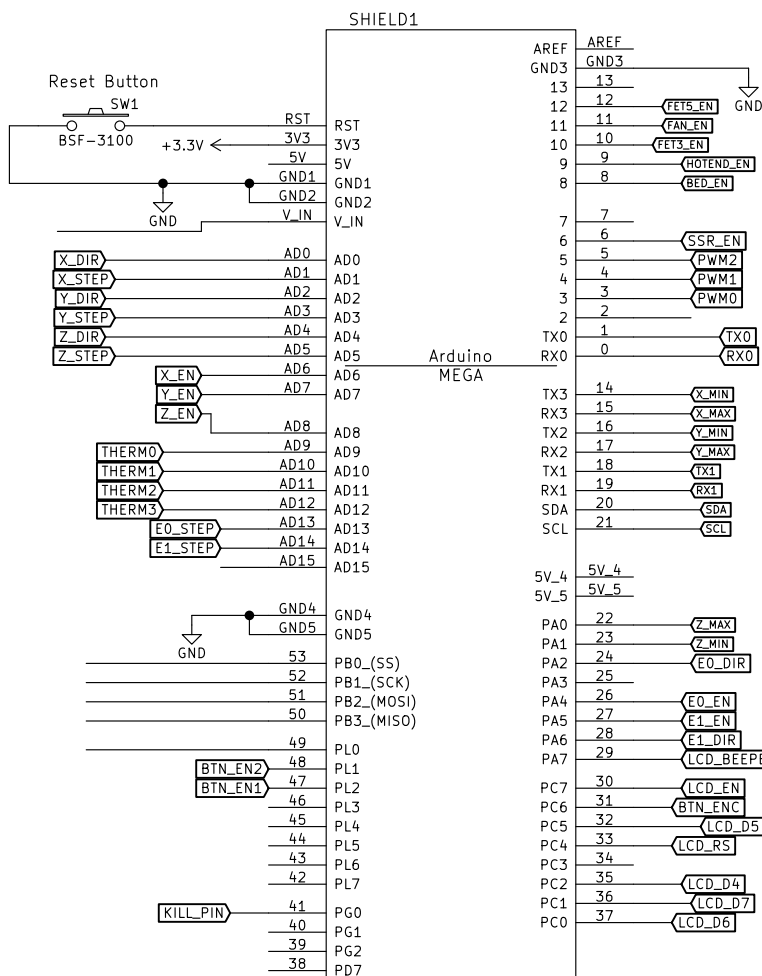
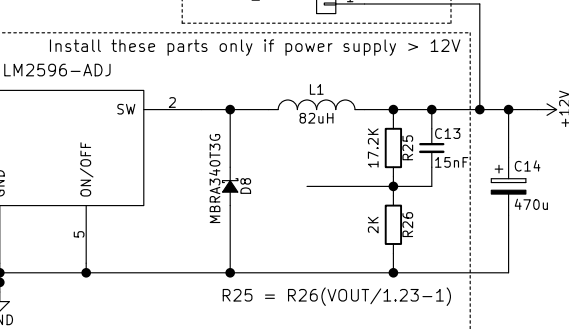
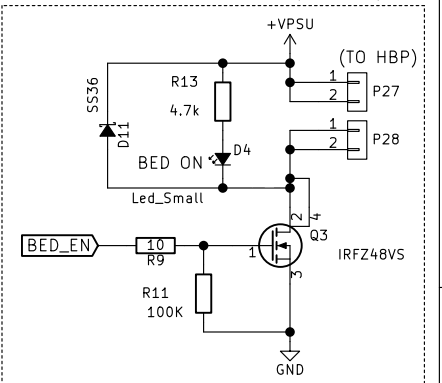
## Low current MOSFET outputs (12V/2A)



## Medium current MOSFET outputs (24V/5A)



## High power MOSFET output (24V/15A)



ARDUINO\_MEGA\_SHIELD  
RAMPZ:MEGA\_NOLINES

Remove R14, R16 if interfacing to 5V serial device  
POWER INDUCTOR SRR1280-680M or MSS1278-683MLB  
Combined output power from Q2, Q6, and U2 not to exceed 3A

ALT SOT-223 FDT86102LZ  
36-4966-ND for right angle  
A24742-ND or A100452CT-ND for straight

PICA  
Power, Interface, Control Adapter

Sheet: /  
File: pica.sch

Title:

Size: USLedger Date:  
KiCad E.D.A. kicad 4.0.2-stable

Rev:  
Id: 1/1