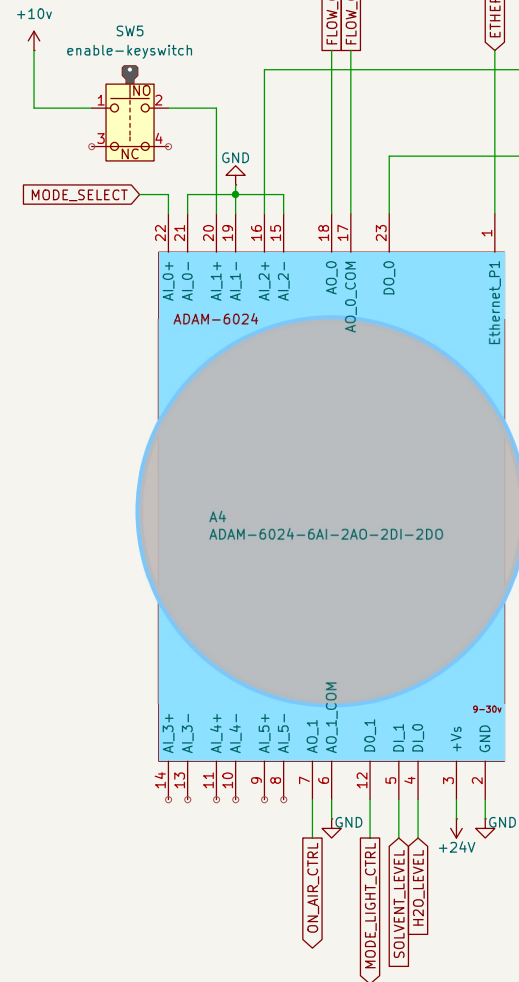


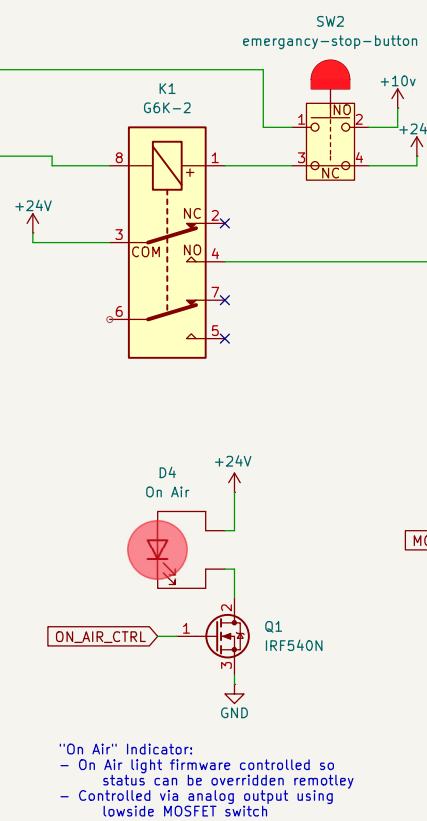
Enable Select

- Software Interlock only
- Notifies firmware that equipment is unlocked
- Analog input resolved to bool in firmware



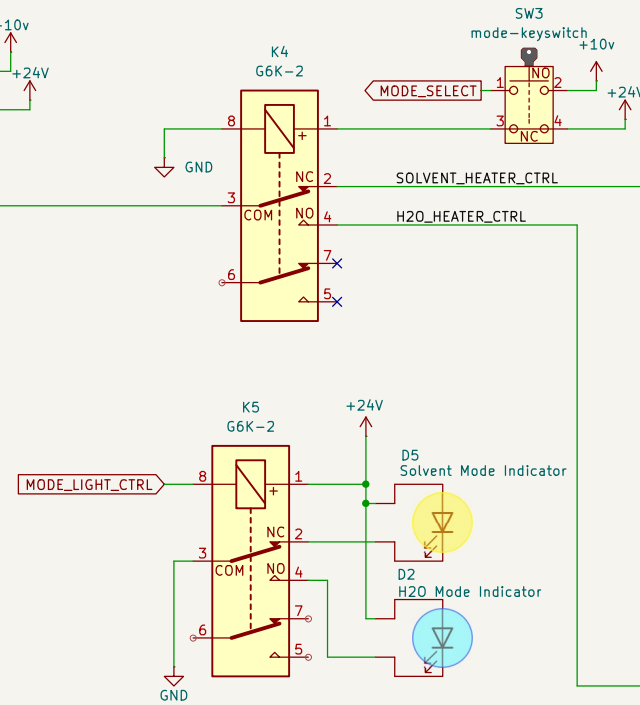
Emergency Stop Interlock

- Hardware & Software interlock
- Physically breaks connection to heaters
- Notifies firmware emergency stop pressed
- Analog input resolved to Bool in firmware



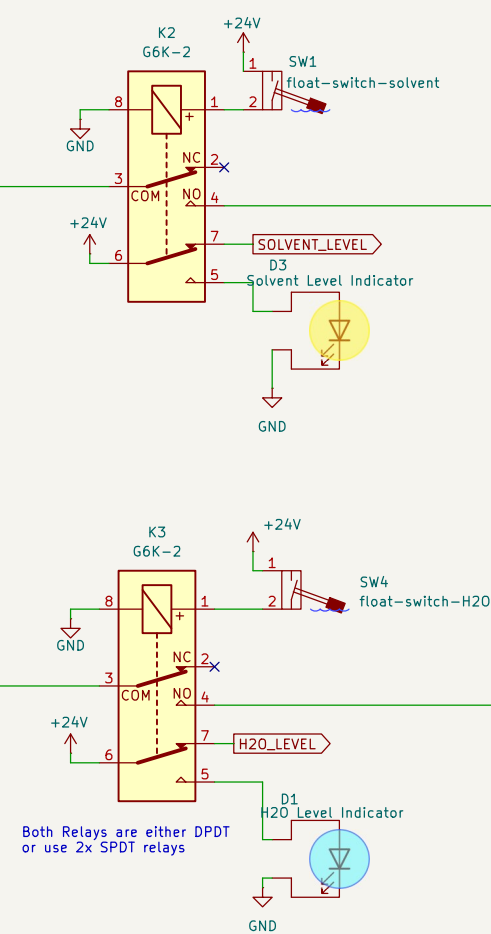
Mode Select

- Mode Keyswitch:
 - Hardware & Software Interlock
 - Prevents both heater circuits being actuated at the same time
 - Notifies firmware as to the selected mode
 - Firmware state is reported via indication LEDs to confirm the correct mode is set in firmware

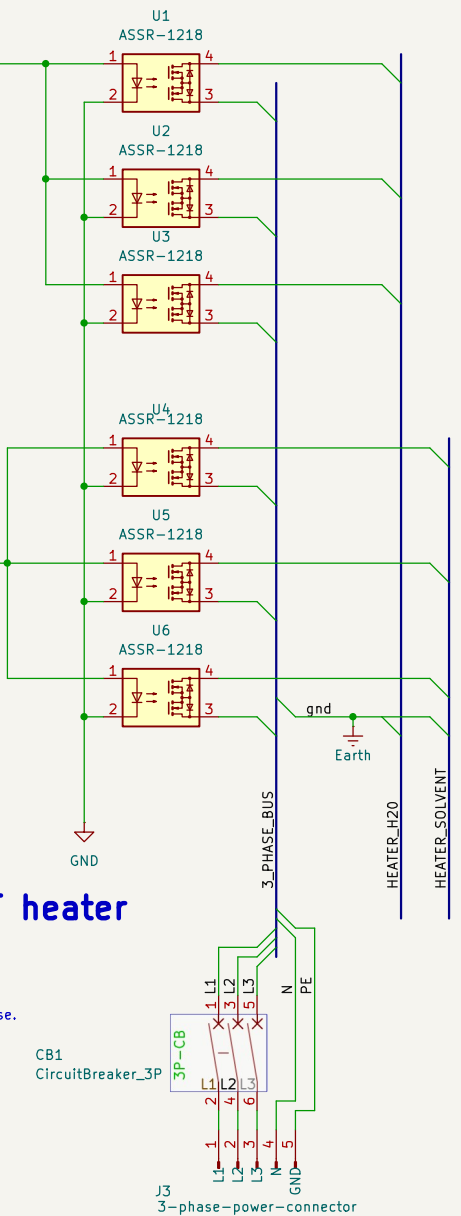


Fluid Level Interlock

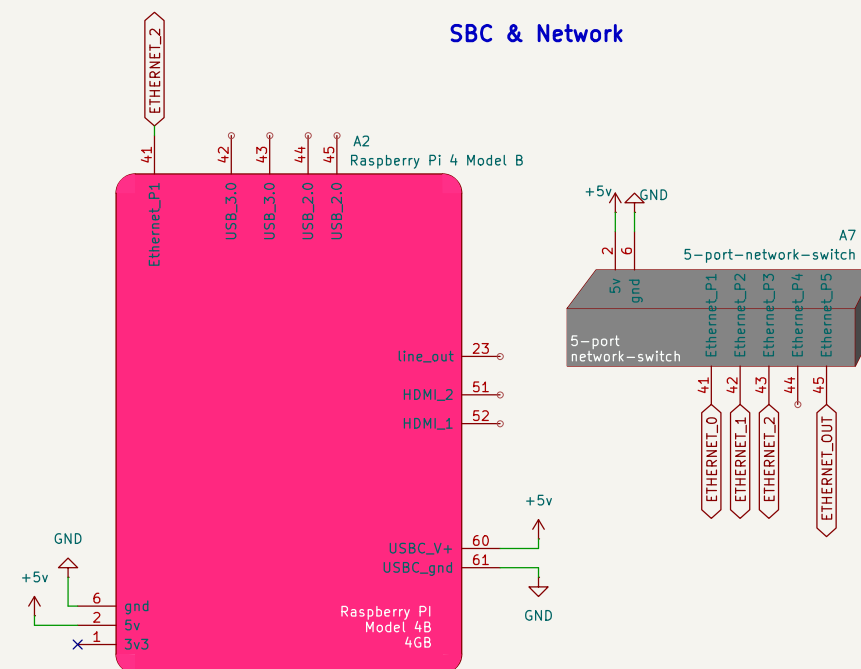
- Hardware & Software Interlock
- Physically prevents heater actuation if float switches are off
- Reports to firmware status of float switches
- Hardware reporting of float switch status
 - Local technician able to detect fluid levels as long as system is powered – no reliance on firmware



Solid State Relays & 3 Phase Power Distro



SBC & Network



FAIL SAFE:

- Fail Safe position MUST be the SOLVENT heater

Solvent heater is always submerged in typical operation
H2O heater is exposed during solvent operation

Fail Safe System:

- Before use, ensure that unpowered relays default to OFF and SOLVENT heater in each case.

DC Power Distro

