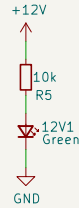
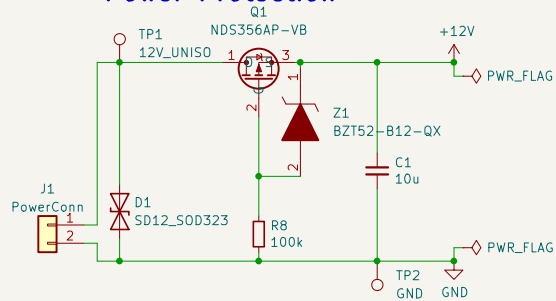


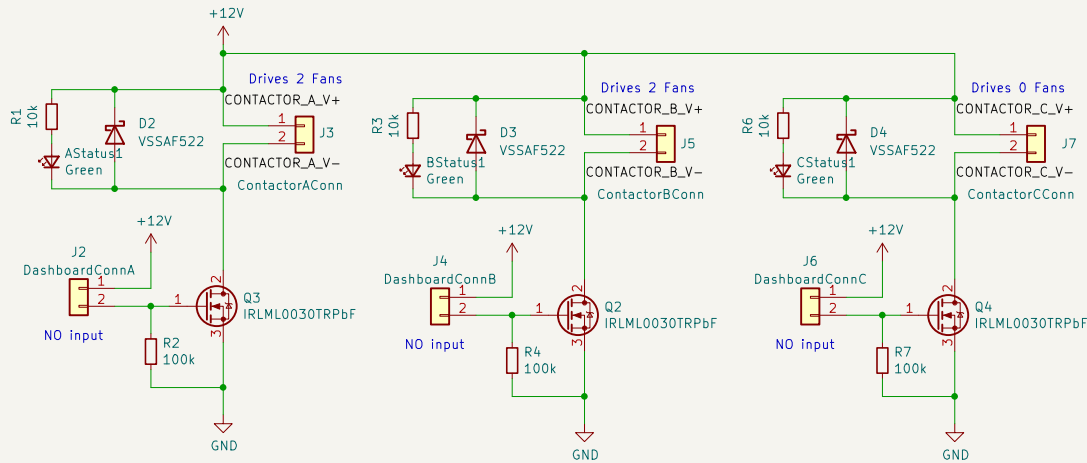
Power Protection



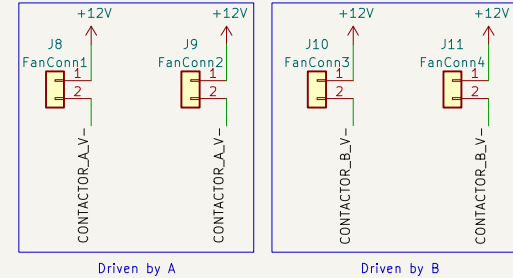
Version History

- v1.0
 - Allows control for 2 contactors, one to control precharge & one for power enable
 - LED's show whether contactors are closed & if power is enabled (3 LED's)
- v2.0
 - Controls only 1 precharge contactor
 - Input will just tell whether both sides are connected to power
 - Add comparator circuitry to determine whether precharge is complete
- v2.1
 - Changed Precharge Contactor Connector to be Molex Microfit since 3A max current load at <.5s
- v2.1-Daybreak
 - Removed precharge resistor
 - Contactor is now driven exclusively by Controls
 - Added Fan breakout power
 - Removed isolation
 - Added 2 more contactor drivers (there are now 3)

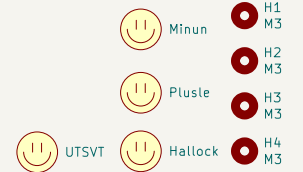
Precharge Contactor Control



Fan Power Distribution



Board Mounts



Manthan Upadhyaya

Sheet: /

File: ContactorDriver.kicad_sch

Title: Contactor Driver

Size: A4
KiCad E.D.A. 8.0.1

Date:

Rev: 2.1

Id: 1/1