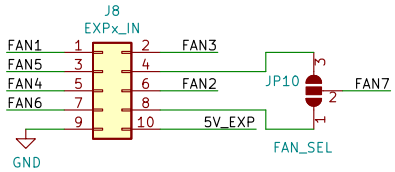
Inputs

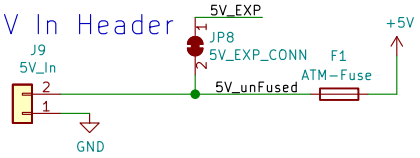
EXP from SKR



SKR Mini E3 EXP1
PB5 | PA15
TX1/PA9 | RST
RX1/PA10 | PB9
PB8 | PB15
GND | +5V

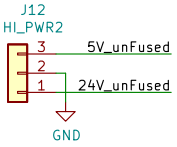
SKR 2 EXP2
PA6 | PA5
PE7 | PA4
PB2 | PA7
PC4 | RST
GND | NC

5V In Header



Fan0/24V In

High Amperage Inputs



Notes on Power Input

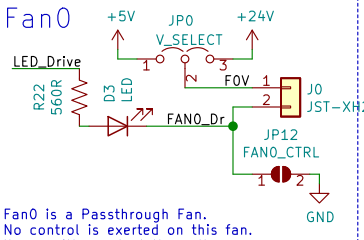
Power should be supplied to only
1 (ONE) input per voltage level.

5V comes from EXP, 5V header, or 5V Screw Terminal.
If using 5V Header/Screw Terminal and EXP1, cut JP8.
If using Screw Terminal, do not connect 5V Header

24V comes from Fan0 In or 24V Screw Terminal
If using Screw Terminal, cut JP11
JP12 can be closed to make Fan0 Always On

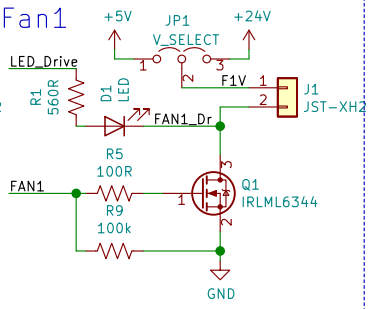
Fan Outputs

Fan0

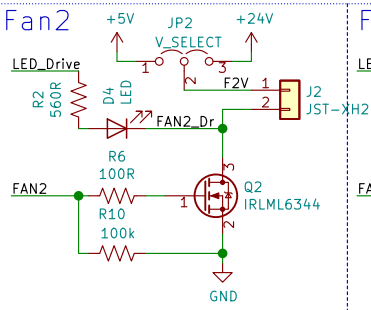


Fan0 is a Passthrough Fan.
No control is exerted on this fan.
It can either select the voltage
for a fan on the primary board,
or can be a voltage selectable
always on fan (JP12).

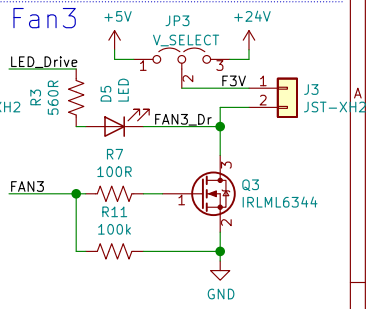
Fan1



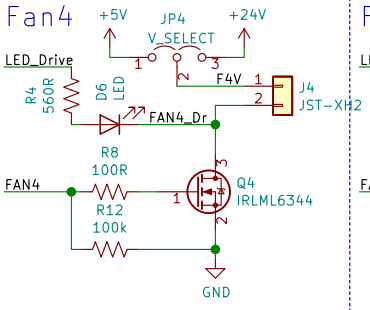
Fan2



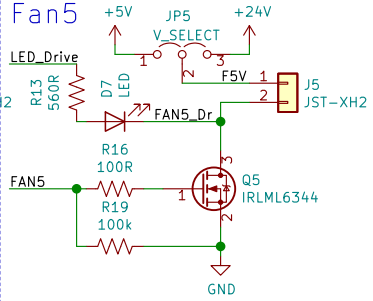
Fan3



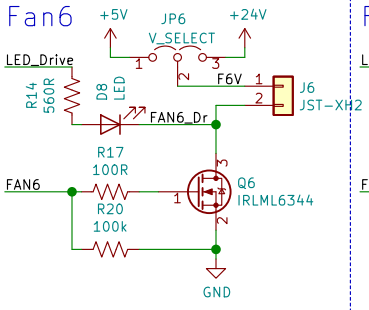
Fan4



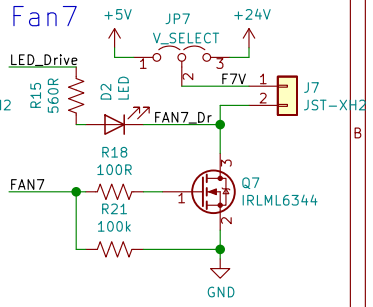
Fan5



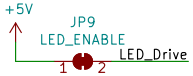
Fan6



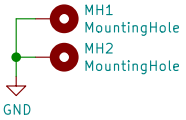
Fan7



LED Enable



Mounting Holes



Fiducials

Drawn by Dotdash32 (JDeW)
Voron Design
Sheet: /
File: FanExpander-kicad.sch

Title: SKR Fan Expander

Size: A	Date: 2022-01-14	**Rev: V0.1.5**
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