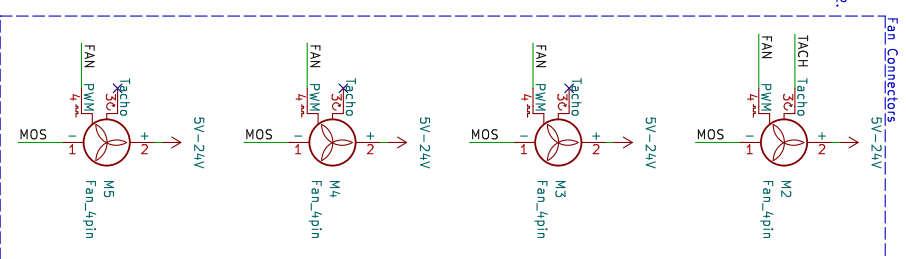


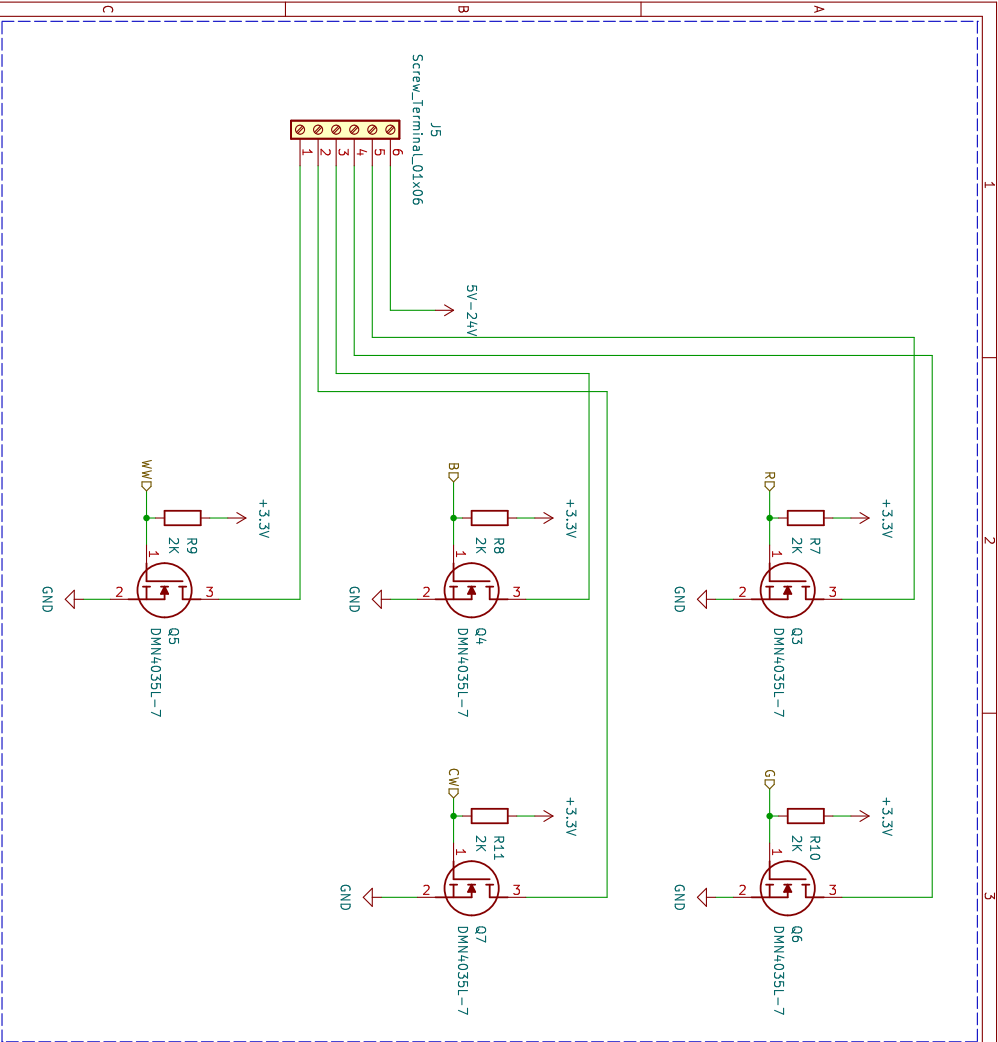
Only fan header M2 has the Tach connected. The fan controller will adjust pwm only depending on the speed of M2. So make sure to use M2 first. Also i suggest not mixing fans if you are using the power pin to adjust speed.



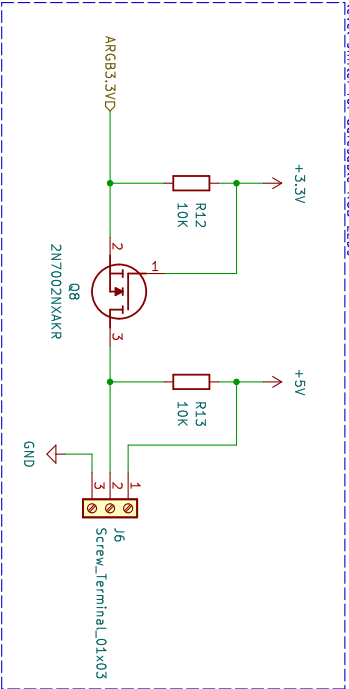
At 5V using 4 fans might be too much current for the mosfet. At 12v you could connect way more fans.
Keep an eye on the temperature of the mosfets.

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Sheet: //Fan Headers/ File: FanHeaders.kicad_sch	
Title: ESPHome All In One Dev kit	
Size: A4	Date:
KiCad E.D.A. kicad 7.0.10	
	Rev:
	Id: 2/8

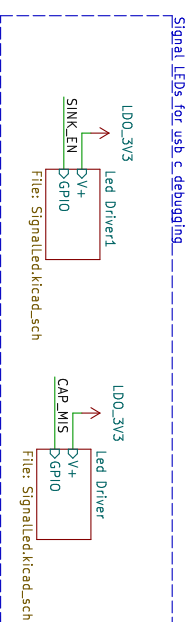
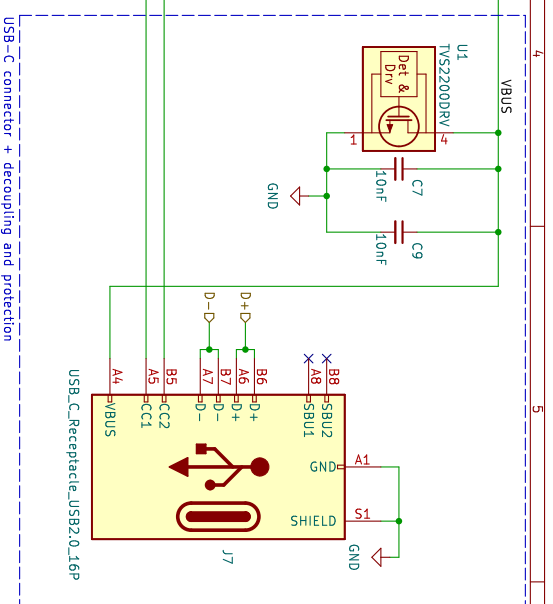
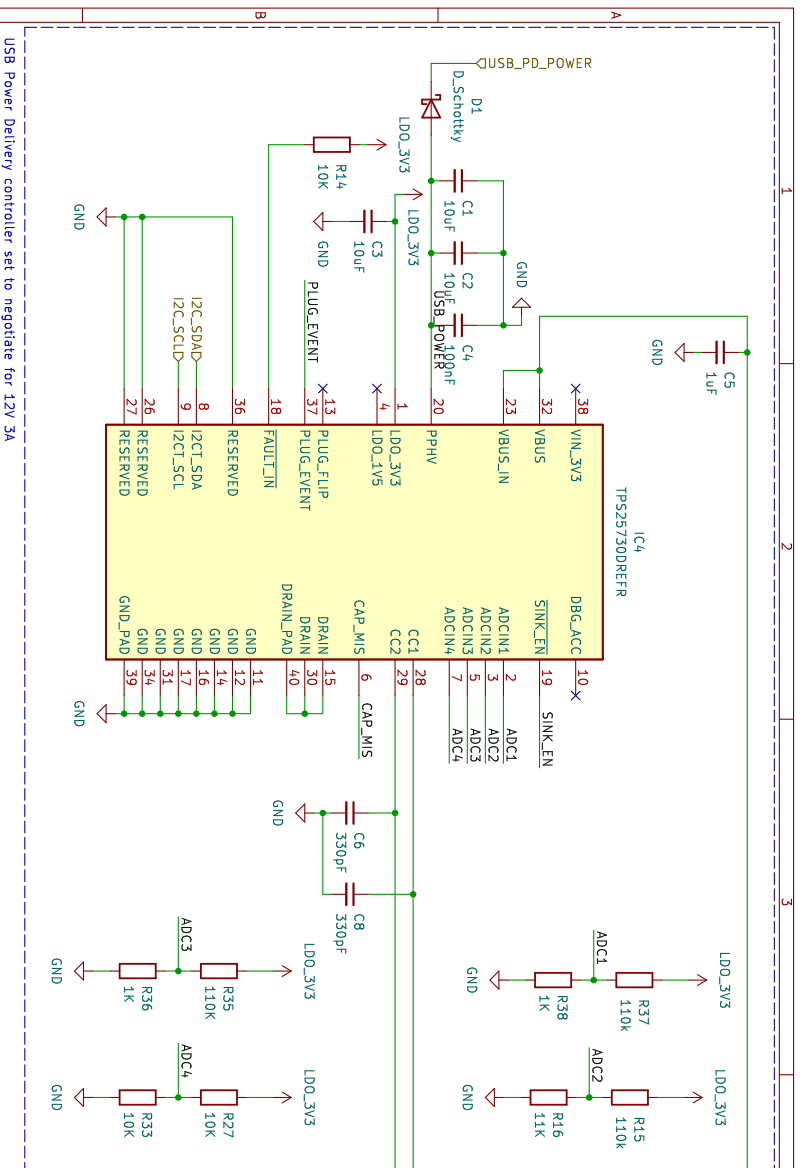


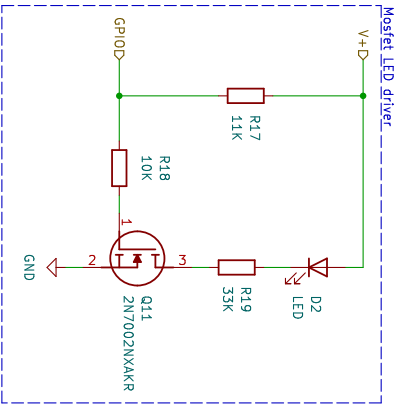
Driver for normal LEDs



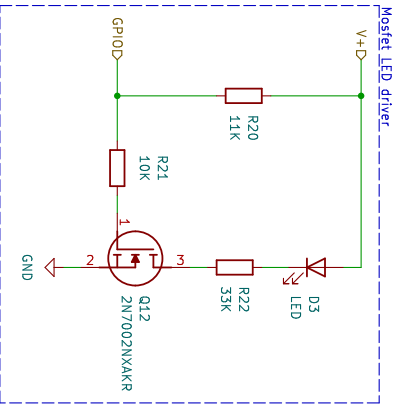
level shifter for addressable RGB LEDs

Sheet: /RGB/	
File: RGB.kicad_sch	
Title: ESPHome All in One Dev kit	
Size: A4	Date:
KiCad E.D.A. kicad 7.0.10	Rev: 3/8





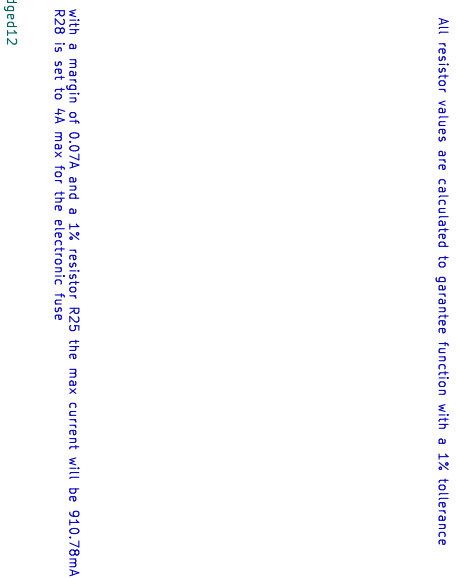
Sheet: /USB/Led Driver/ File: Signalled.kicad_sch			
Title: ESPHome All in One Dev kit			
Size: A4	Date:		Rev:
KiCad E.D.A.	KiCad 7.0.10		Id: 5/8



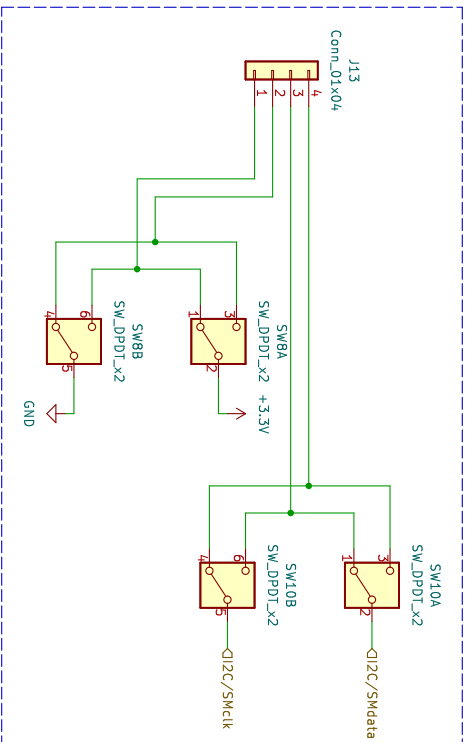
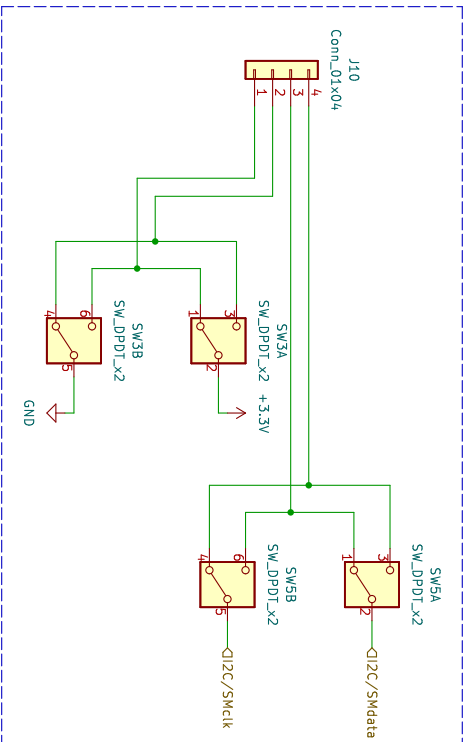
Sheet: /USB/Led Driver1/ File: Signaled.kicad_sch			
Title: ESPHome All in One Dev kit			
Size: A4	Date:		Rev:
KiCad E.D.A.	KiCad 7.0.10		Id: 6/8



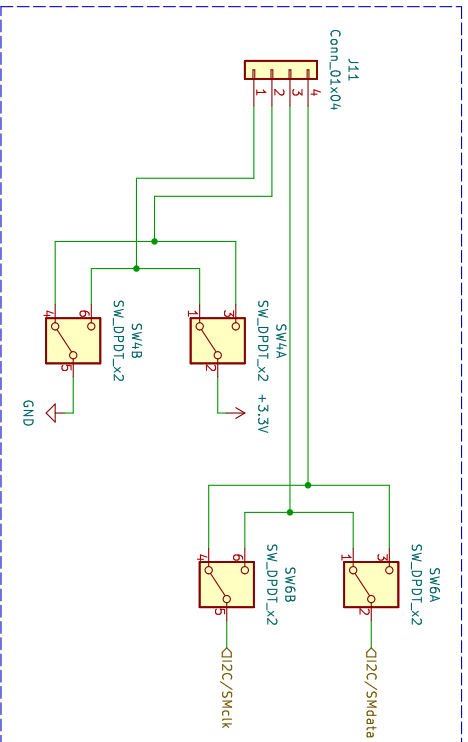
Power regulators



Sheet: /Power/	
File: power.kicad_sch	
Title: ESPHome All in One Dev kit	
Size: A4	Date:
KiCad E.D.A. kicad 7.0.10	
	Rev:
	Id: 10/8



You can use the switches to flip the clock and data pins or the 3.3V and gnd pins.
This ensures compatibility with almost all I2C based modules.



Sheet: /I2C Connectors/	
File: I2C.kicad.sch	
Title: ESPHome All in One Dev kit	
Size: A4	Date:
Kicad E.D.A. kicad 7.0.10	
Rev:	Id: 11/8