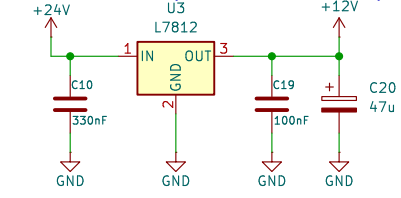
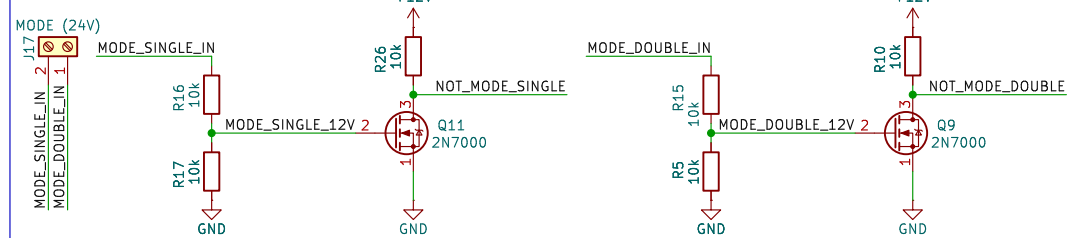


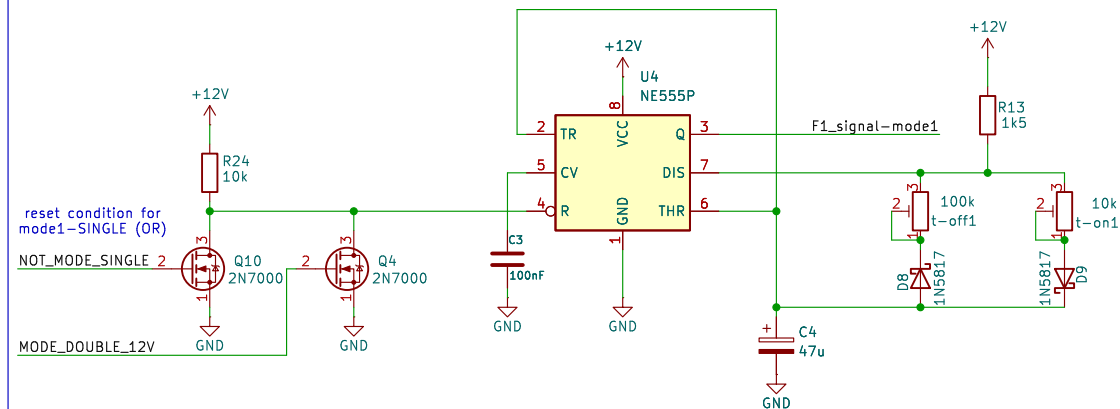
12V Supply (linear regulator)



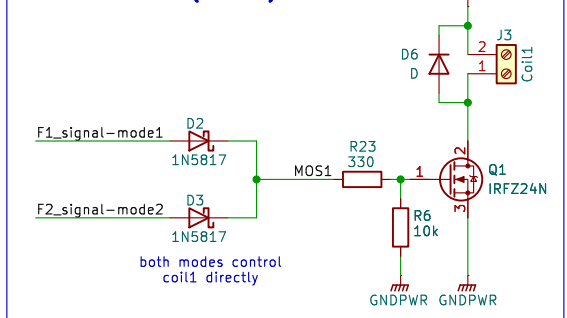
pre-process input signals



**MODE\_1 (SINGLE):** independently adjustable on / off time

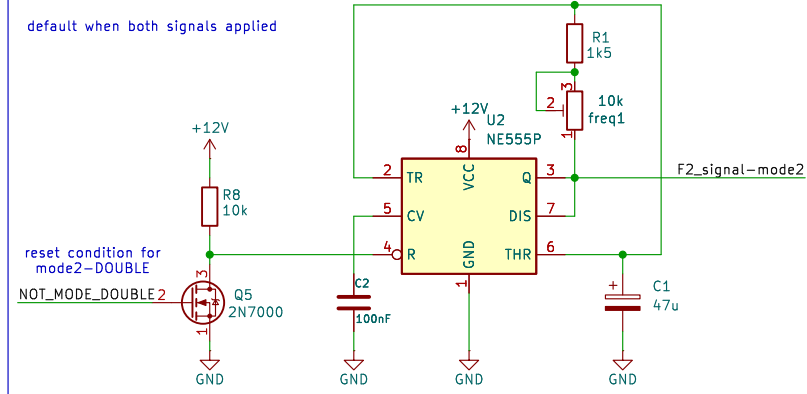


Driver Coil1 (MOS1)

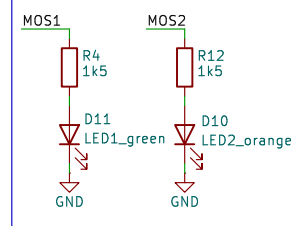


**MODE\_2 (DOUBLE):** fixed 0.5 duty, adjustable freq

default when both signals applied

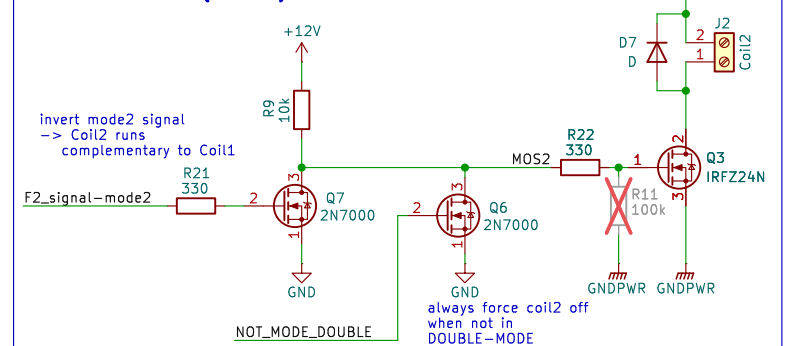


## LEDS



### Driver Coil2 (MOS2)

invert mode2 signal  
-> Coil2 runs  
complementary to



always force coil2 off  
when not in  
DOUBLE-MODE

Control the 2 coils of a 5/3-way pneumatic valve  
2 Modes:  
– Single (pulse one coil), – Double (switch between coils)  
Adjustable on/off-time or frequency

Sheet: /  
File: ValveToggler.kicad\_sch

**Title: Pneumatic Valve Toggler**

Size: A4	Date: 2025-09-10
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KiCad E.D.A. 9.0.4

Rev: 1.0

Id: 1/1