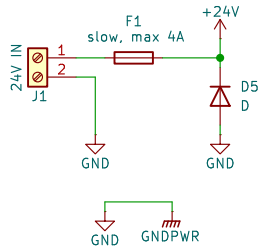
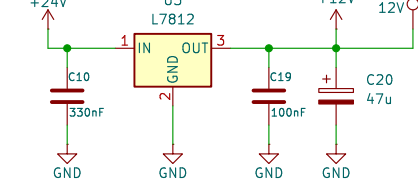


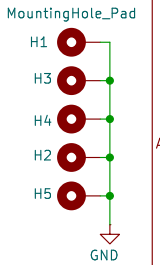
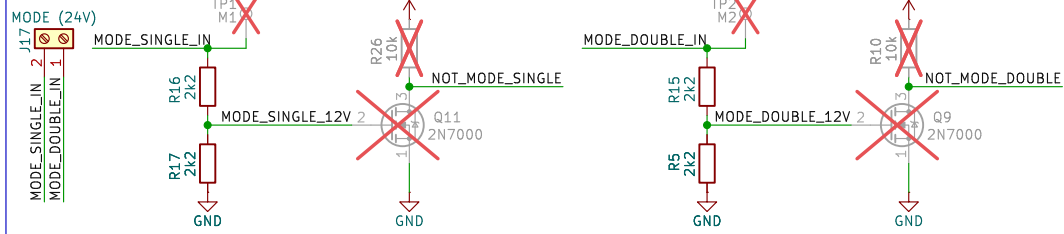
Input, protection



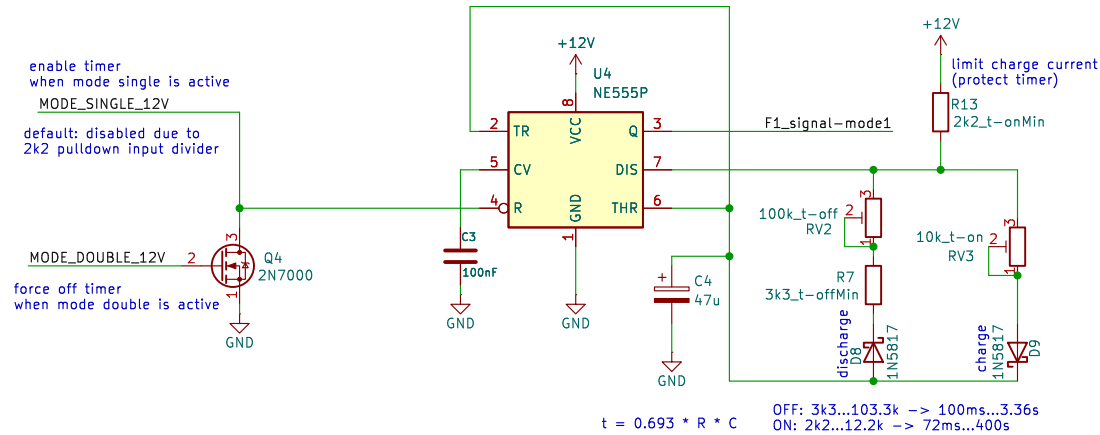
12V Supply (linear regulator)



pre-process input signals

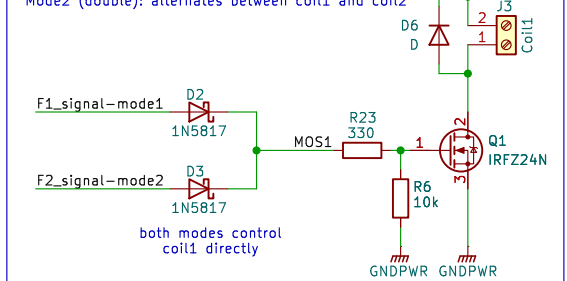


MODE_1 (SINGLE): independently adjustable on / off time



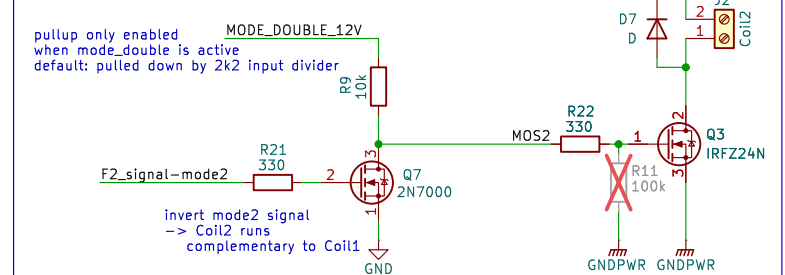
Driver Coil1 (MOS1)

Mode1 (single): pulses only coil1 on/off
Mode2 (double): alternates between coil1 and coil2

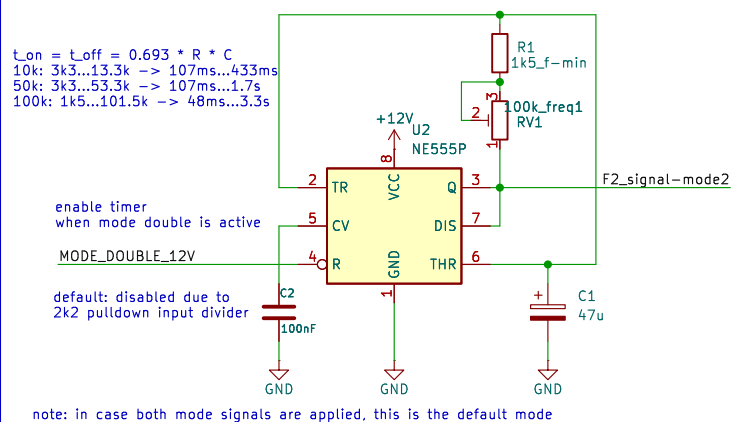


Driver Coil2 (MOS2)

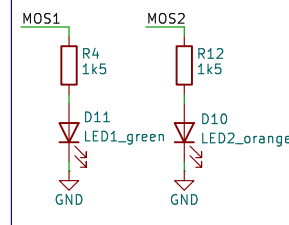
Mode1 (single): coil2 permanently off
Mode2 (double): alternates between coil1 and coil2 (complementary)



MODE_2 (DOUBLE): fixed 0.5 duty, adjustable freq



LEDs



Control the 2 coils of a 5/3-way pneumatic valve

2 Modes:

- M1: Single (pulse one coil), - M2: Double (switch between coils)

Adjustable on/off-time or frequency

Sheet: /

File: ValveToggler.kicad_sch

Title: Pneumatic Valve Toggler

Size: A4 Date: 2025-09-20

KiCad E.D.A. 9.0.4

Rev: 1.0

Id: 1/1