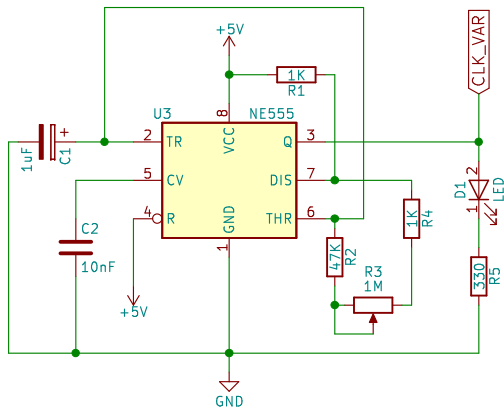


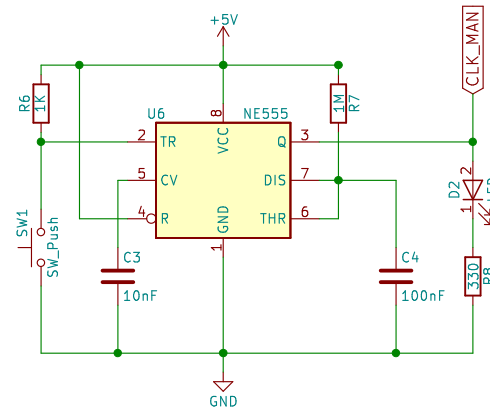
References



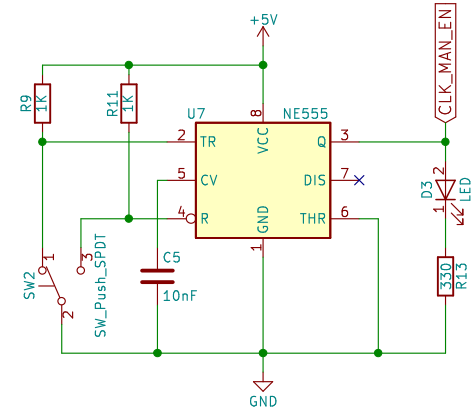
Variable clock (up to 15 Hz)



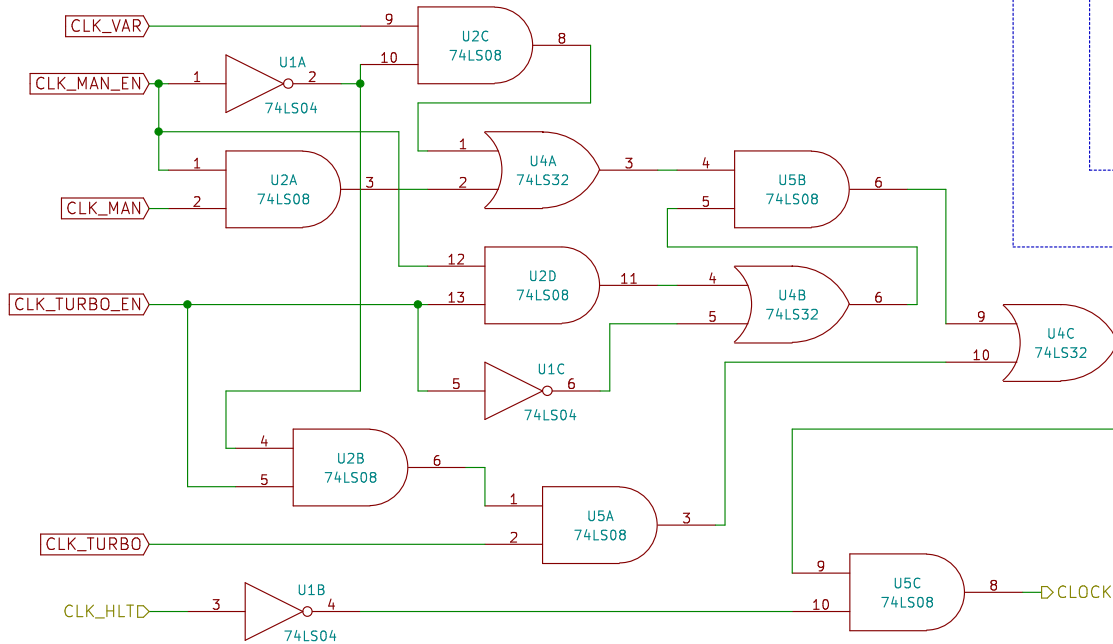
Manual (single-step) clock



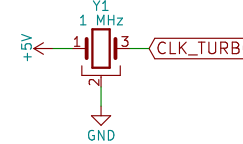
Manual (single-step) clock toggle switch



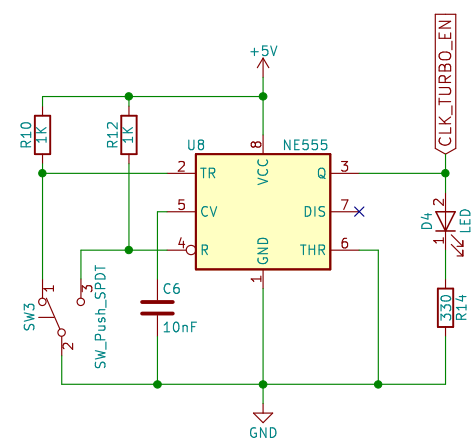
Clock mode toggle logic



Turbo clock (1 MHz)



Turbo clock toggle switch



The clock module can switch between different modes: Variable (slow) clock that can run at a maximum speed of 15 Hz, Turbo (fast) clock that runs at a constant speed of 1 MHz and Manual (single-step) clock for debug purposes. SW2 is used to toggle manual mode, SW3 is used to toggle turbo mode. While in manual mode, SW1 performs a single step.

Ruud van Falier

Sheet: /Clock/

File: Clock.sch

Title: Clock Module

Size: A4 Date: 2018-04-12

KiCad E.D.A. kicad 4.0.7

Rev: 1

Id: 2/4