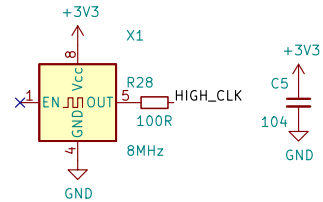
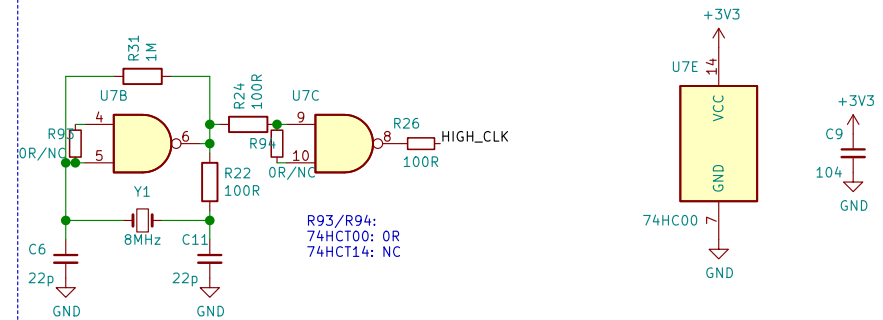


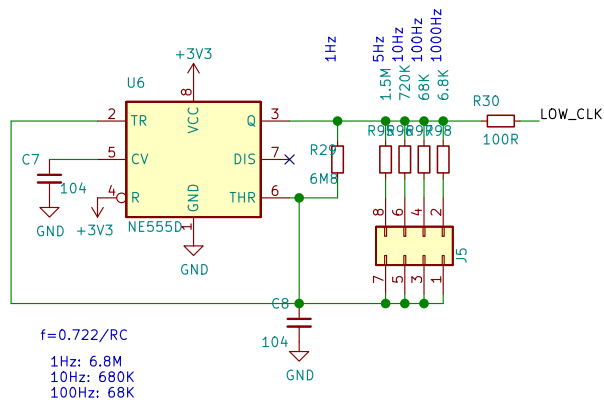
## OPTION 1 – clock with OSC



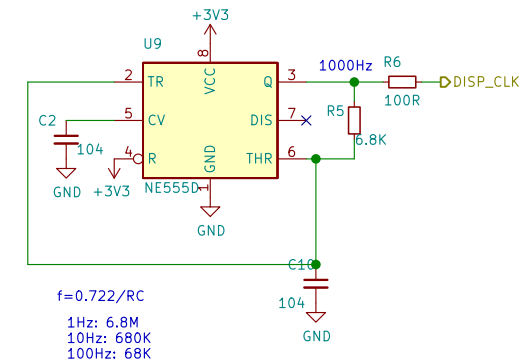
## OPTION 3 – clock with crystal and NAND gates



## OPTION 2 – clock with NE555



## DISP\_CLK



<https://www.electronics-tutorials.ws/waveforms/555-circuits-part-1.html>

<http://grp-popcorn.blogspot.com/2016/01/inverter-crystal-oscillator.html>

<http://4.bp.blogspot.com/-MKZuR00Hiik/Vpsw5R0AnTI/AAAAAAAAACAw/ZL04ZV-8hqs/s1600/figure2.png>



