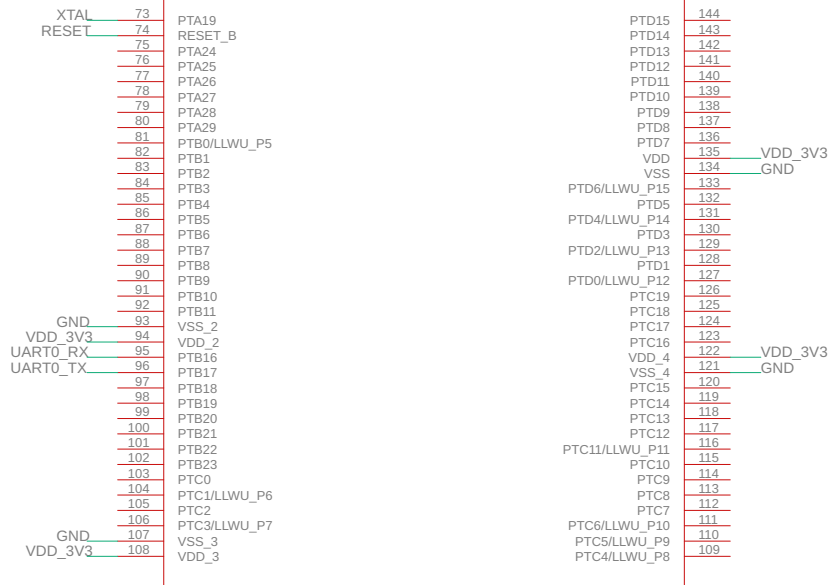


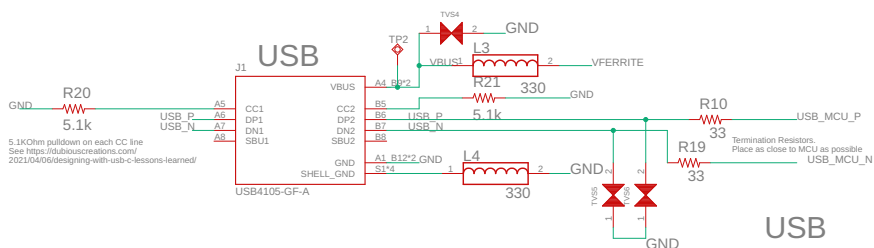
U1A
MK22FX512AVLQ12



U1B
MK22FX512AVLQ12

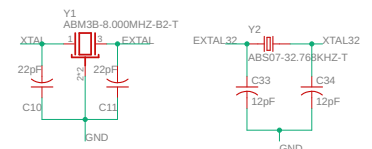


MCU



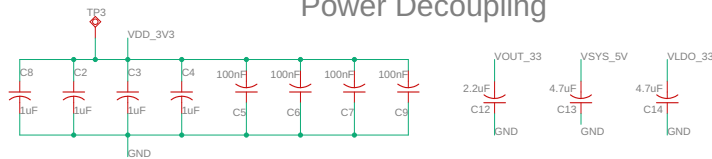
USB

Oscillators

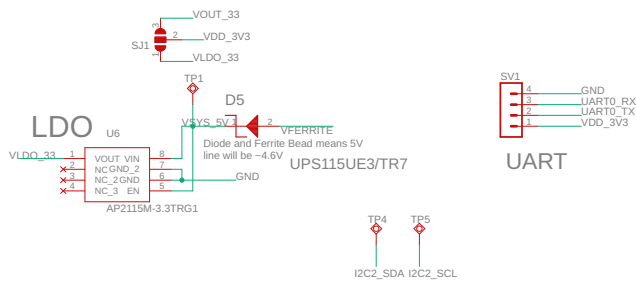


Load capacitance calculation:
 $C_{EXT} = (C_{LOAD} - 6pF) * 2$
 Source: <https://www.allaboutcircuits.com/technical-articles/choosing-the-right-oscillator-for-your-microcontroller/>

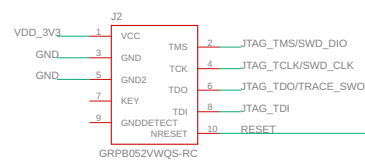
Power Decoupling



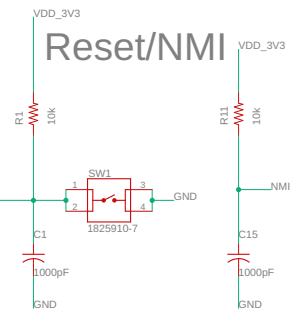
Power Source Selection



JTAG

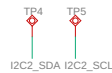


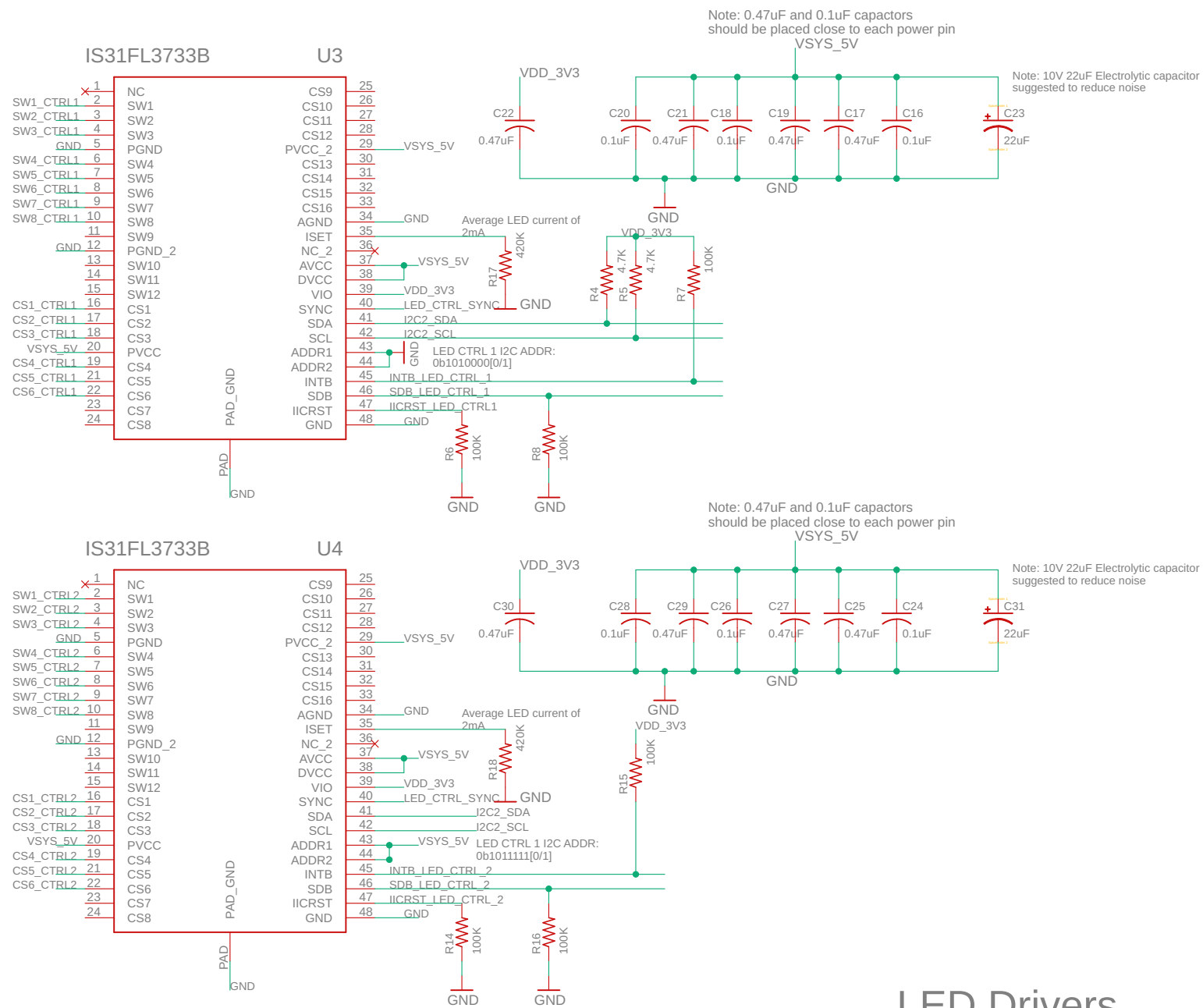
Reset/NMI



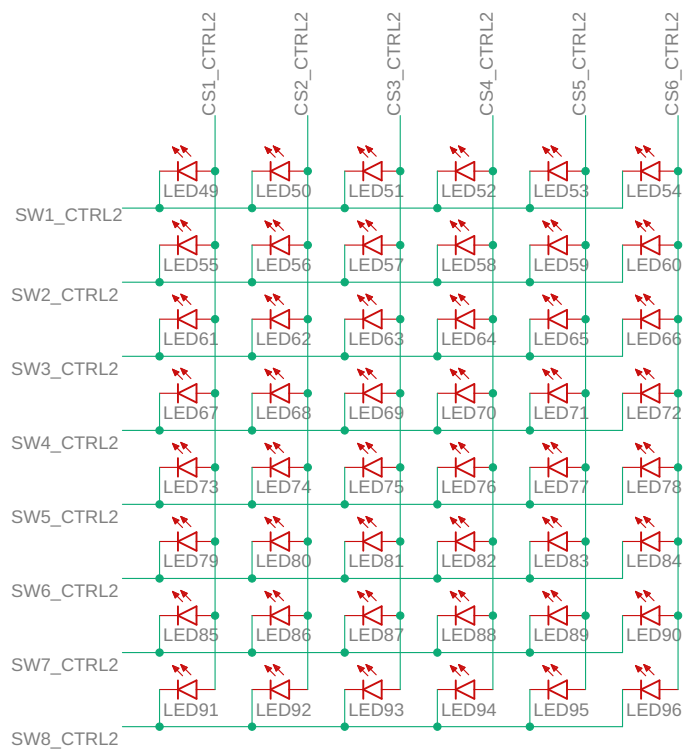
MCU Support

Test Points





LED Drivers



LED Array

