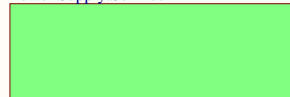


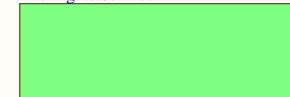
U_Power Supply
Power Supply.SchDoc



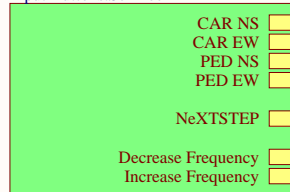
U_Dice Module
Dice Module.SchDoc



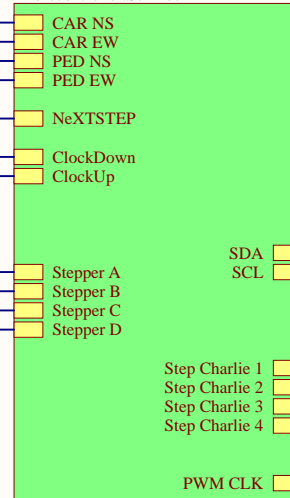
U_The Lights
The Lights.SchDoc



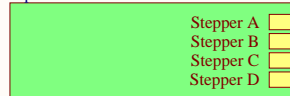
U_Input Buttons
Input Buttons.SchDoc



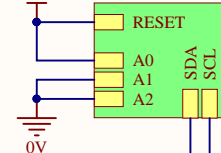
U_Microcontroller
Microcontroller.SchDoc



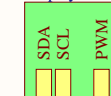
U_Input Pins
Input Pins.SchDoc



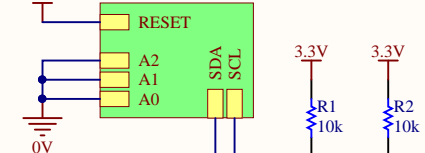
U_Traffic Intersection
Traffic Intersection.SchDoc



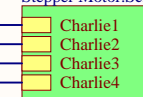
U_Display
Display.SchDoc




U_The Fun Buttons' Friends
The Fun Buttons' Friends.SchDoc



U_Stepper Motor
Stepper Motor.SchDoc



I2C BUS

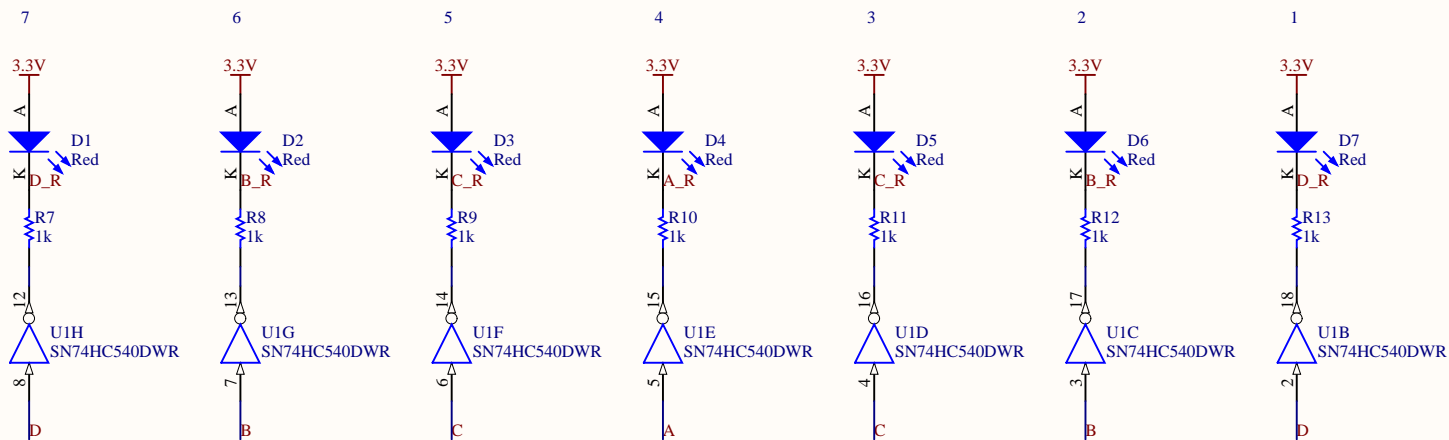
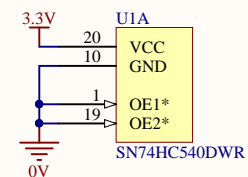
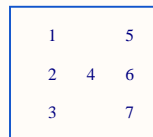
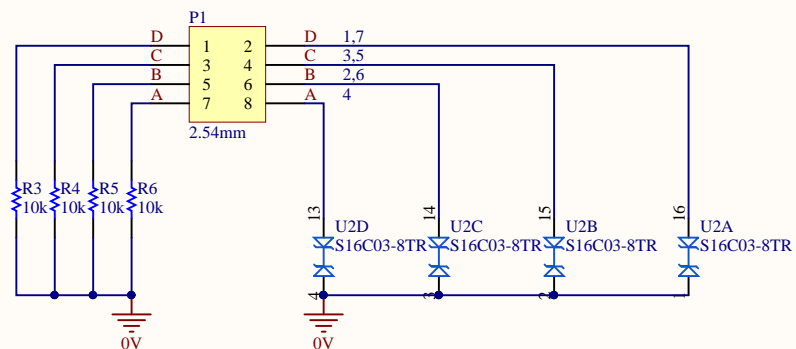
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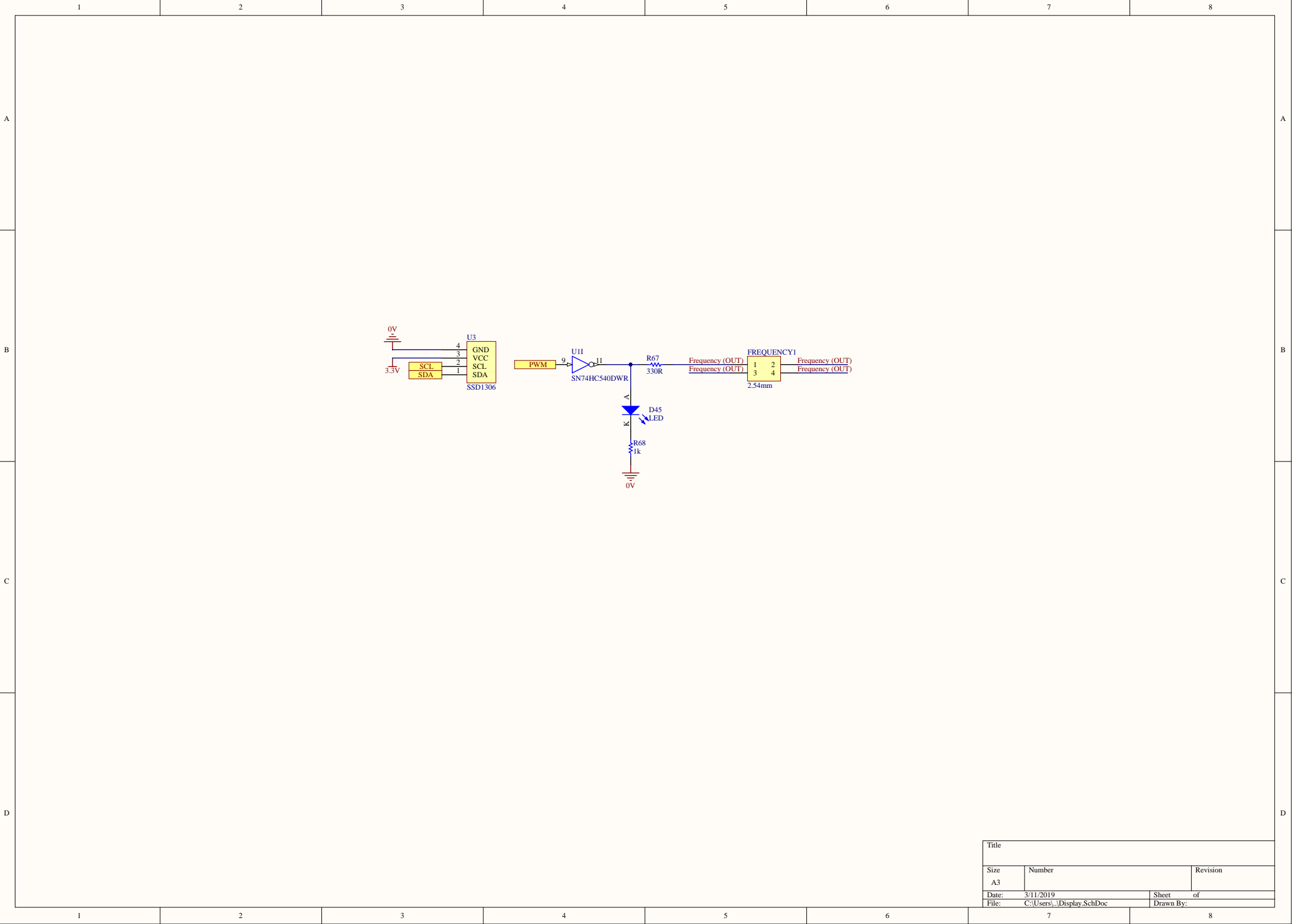
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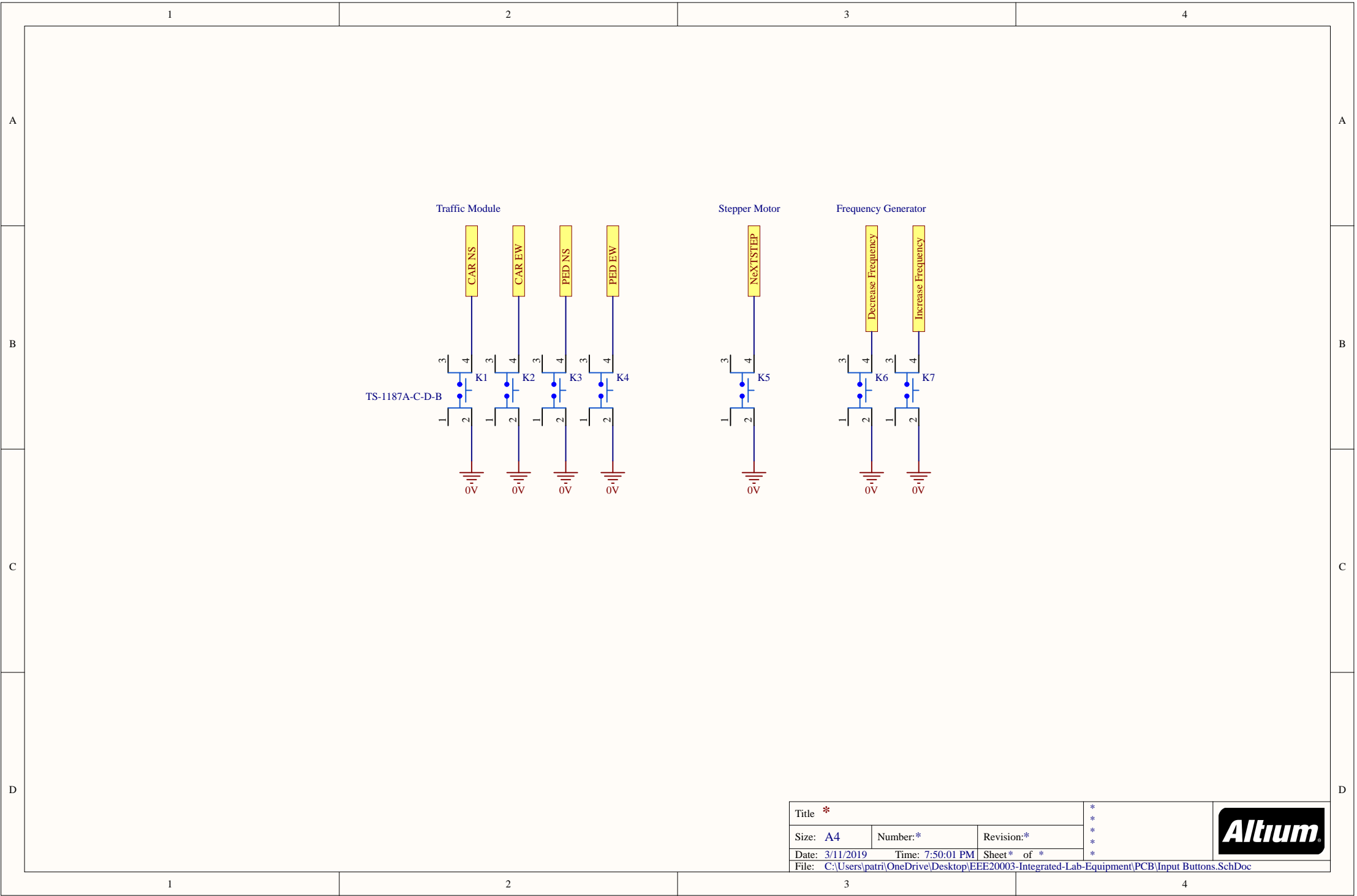
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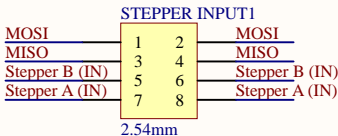


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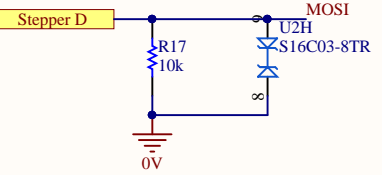
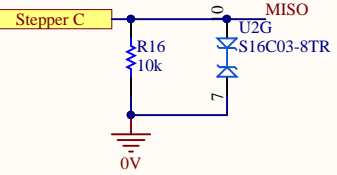
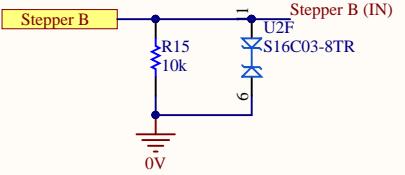
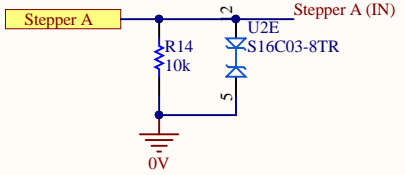
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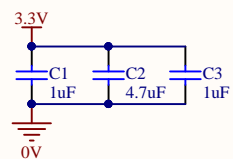
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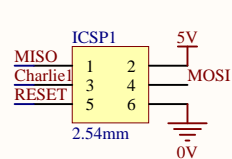
TVS for prevending overvoltage, inputs pulled down.



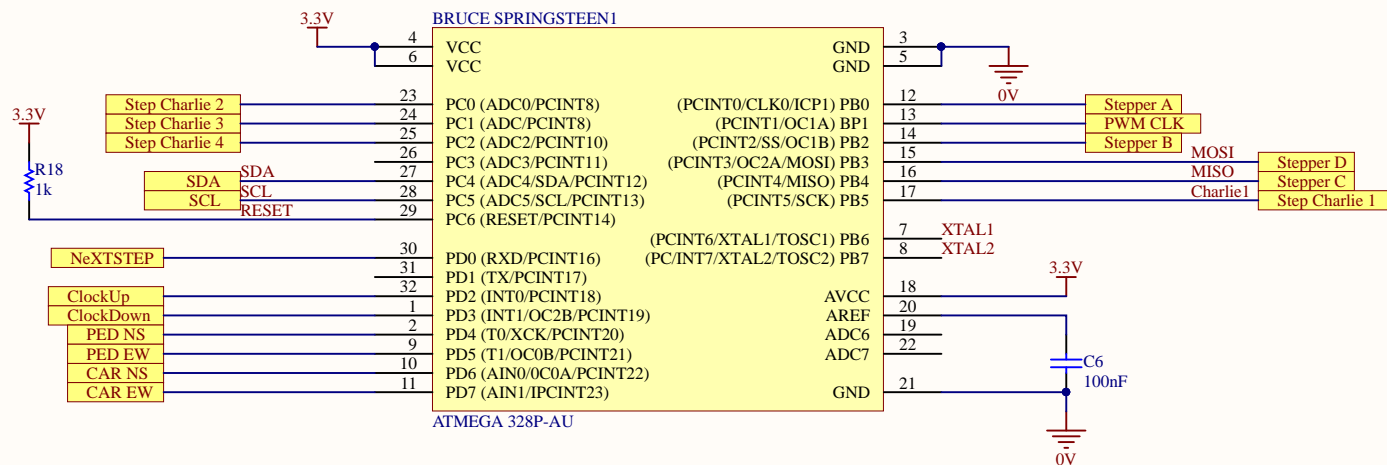
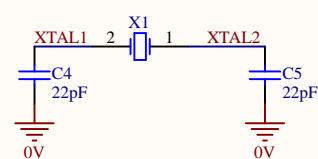
BYPASS CAPACITORS



ISP INTERFACE

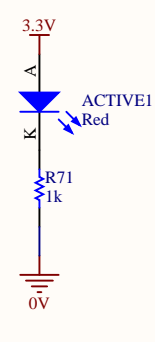
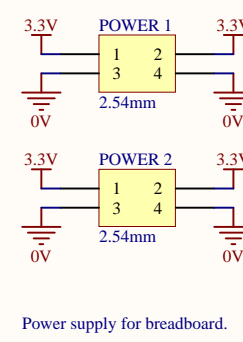
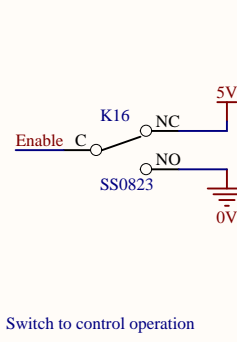
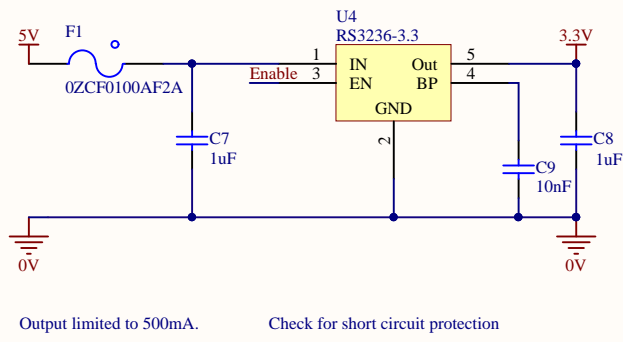
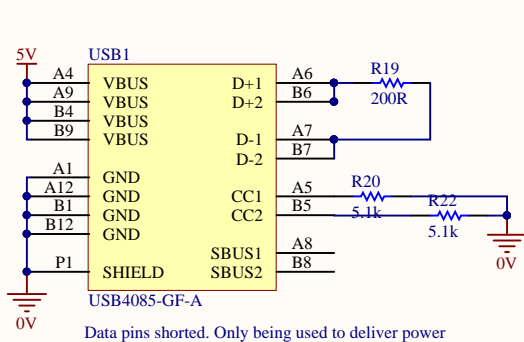


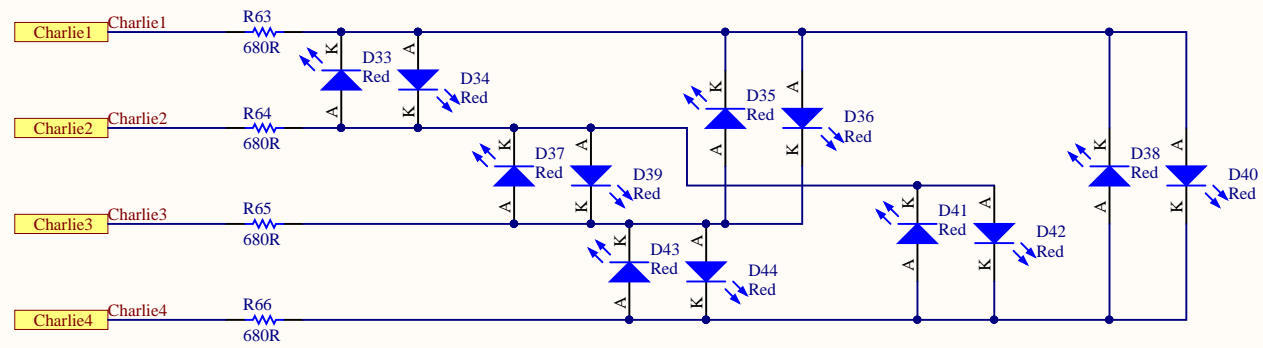
EXTERNAL CLOCK




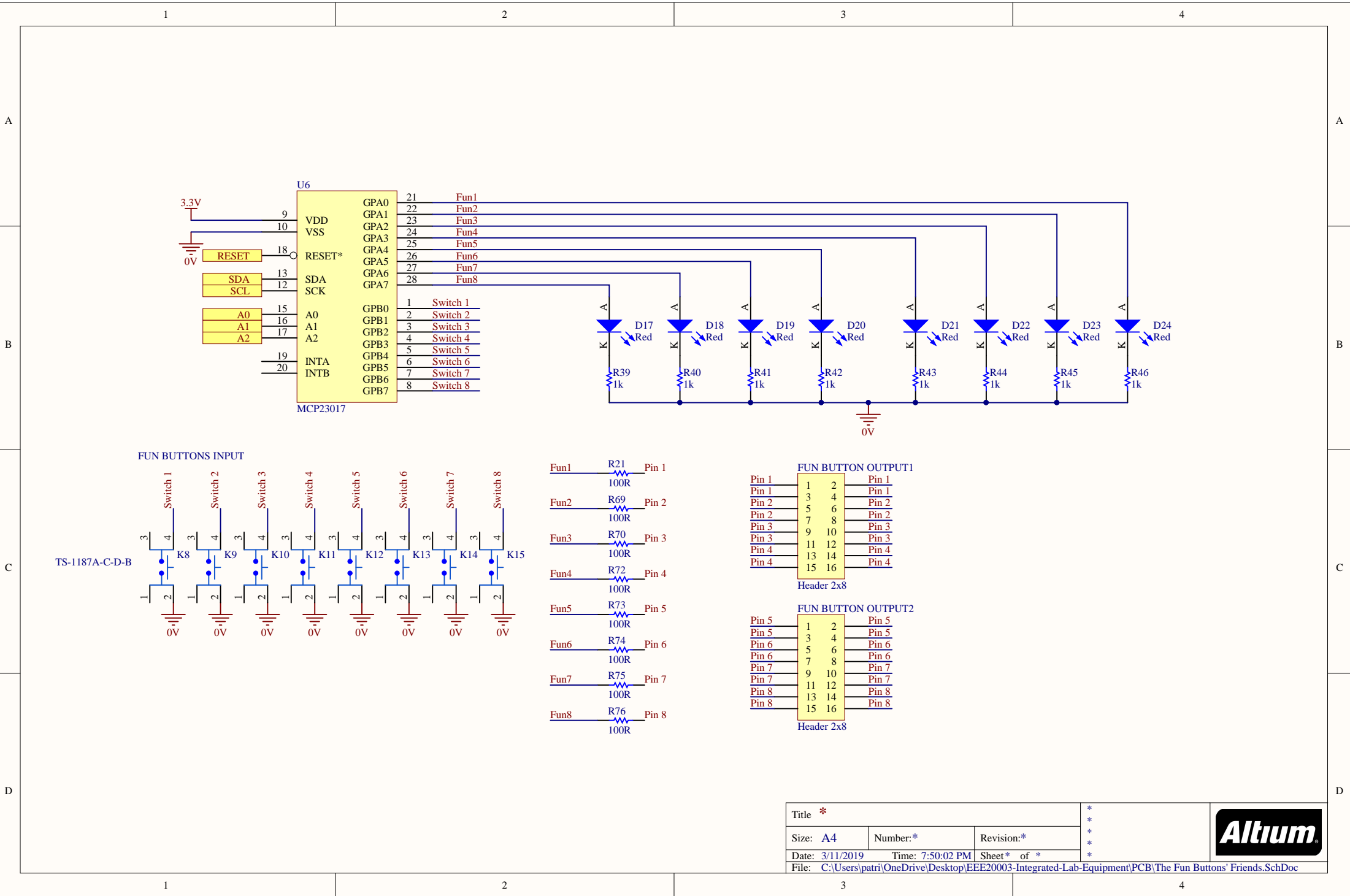
N.B ATMEGA 328PB VARIANT USED IN CODE, MINOR CHANGES REQUIRED TO PORT DEBOUNCE LIBRARY

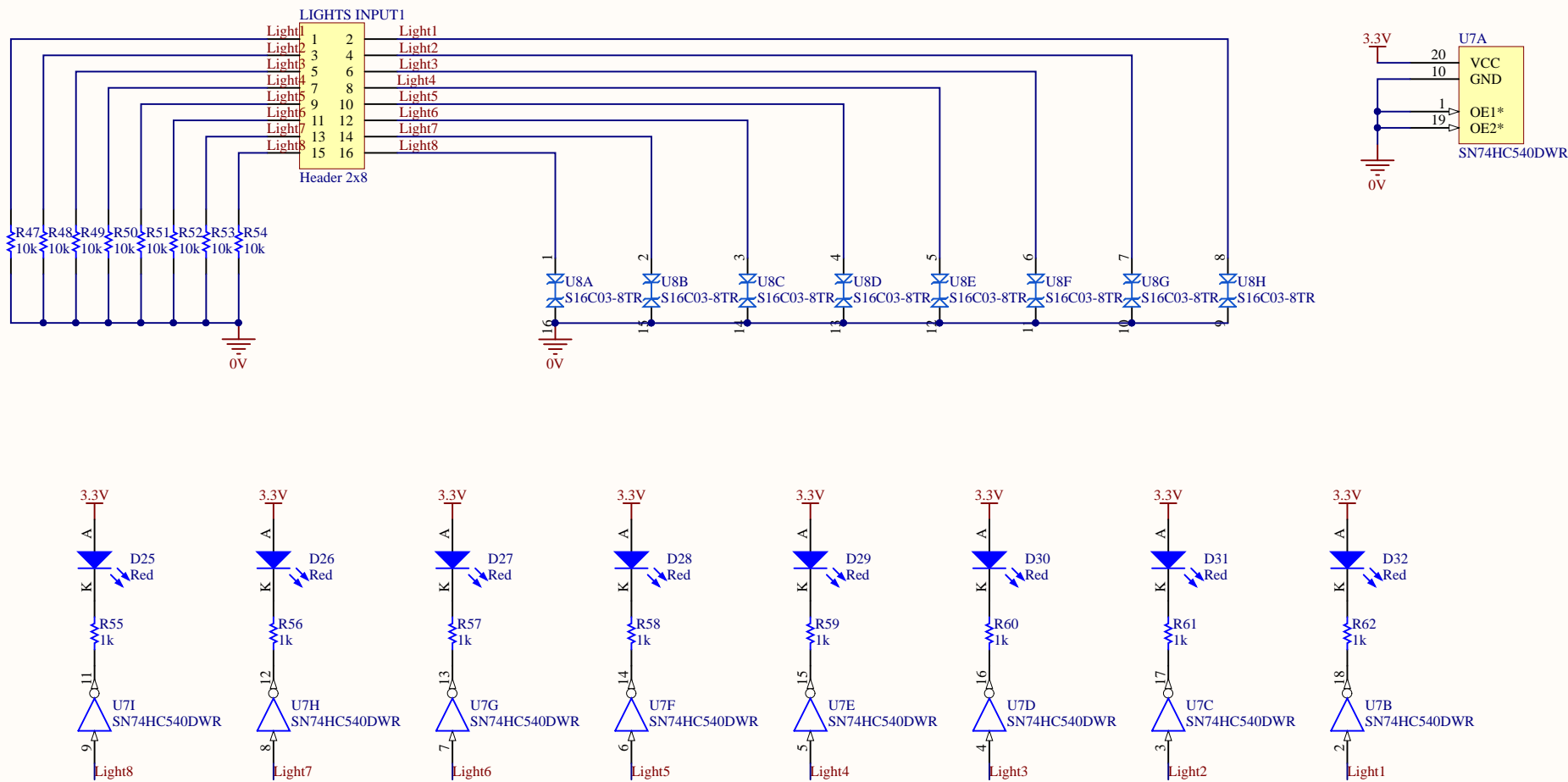
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