Pufferface Interface Schematic

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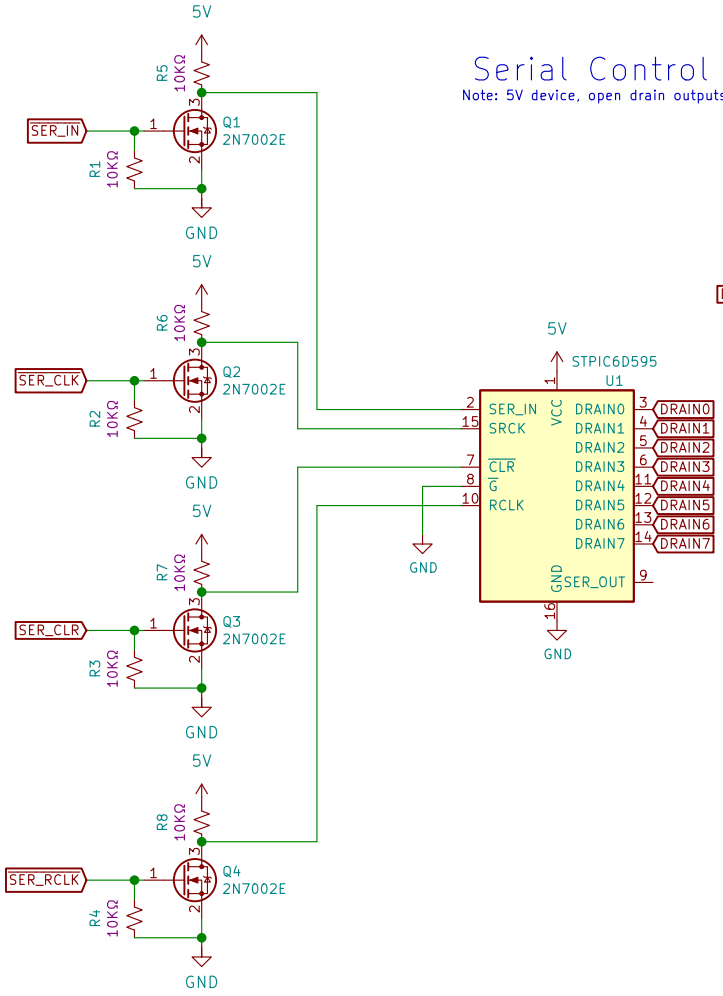
Connections

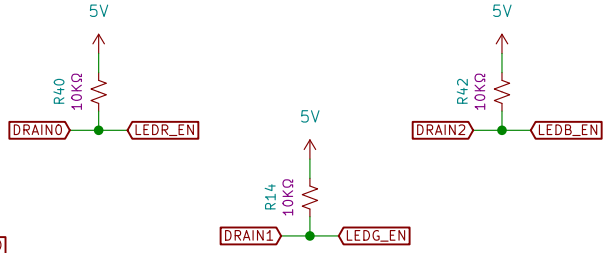
I/O signals

Serial Control

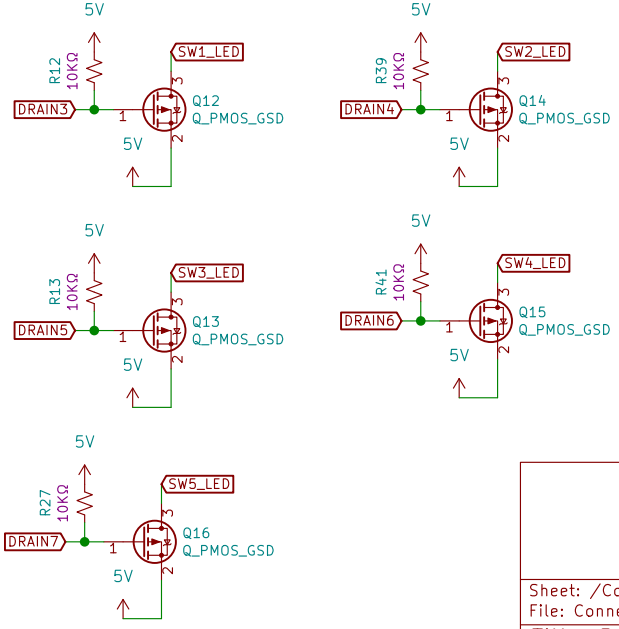
Note: 5V device, open drain outputs



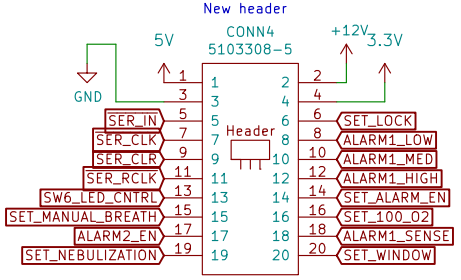
To LED strip

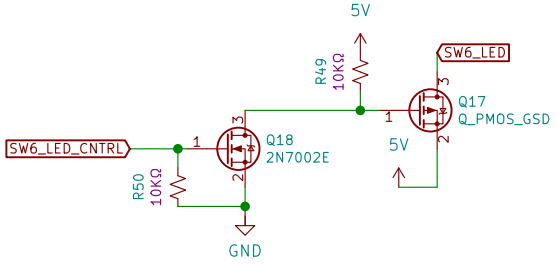


To membrane buttons

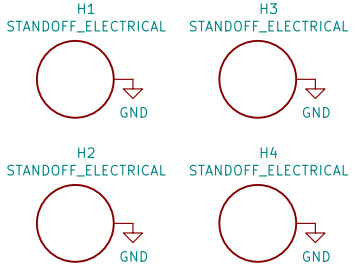


To Control Board





Mounting holes



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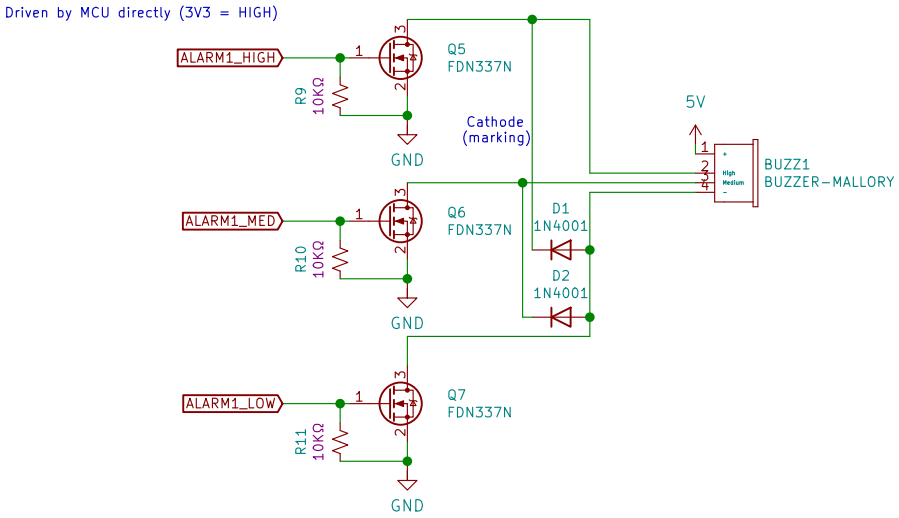
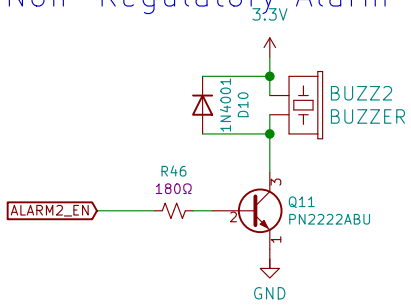
Alarms

Regulatory Medical Alarm

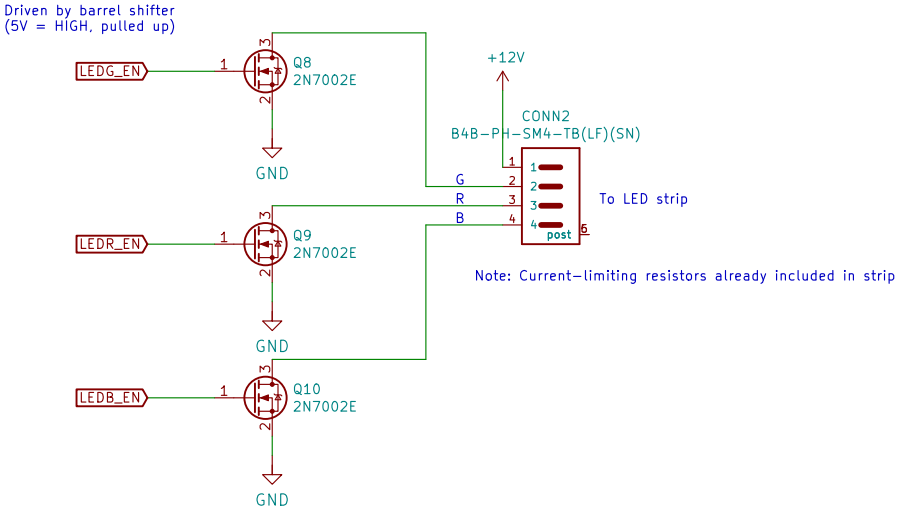


System Non-Regulatory Alarm - Control Board



Click confirmation speaker - RPi

LEDs



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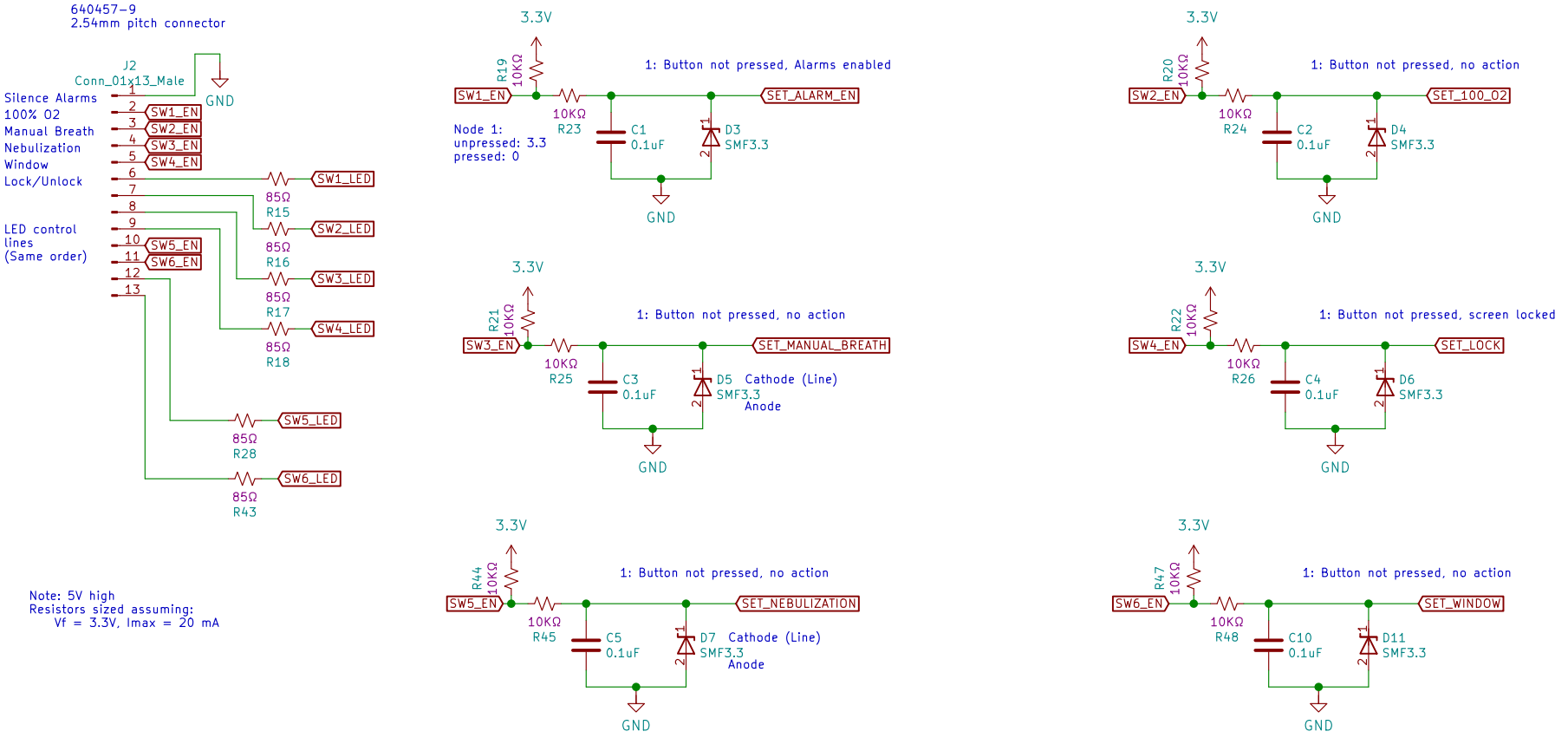
Switches

Front Membrane Switches



Note: 5V high
Resistors sized assuming:
Vf = 3.3V, Imax = 20 mA

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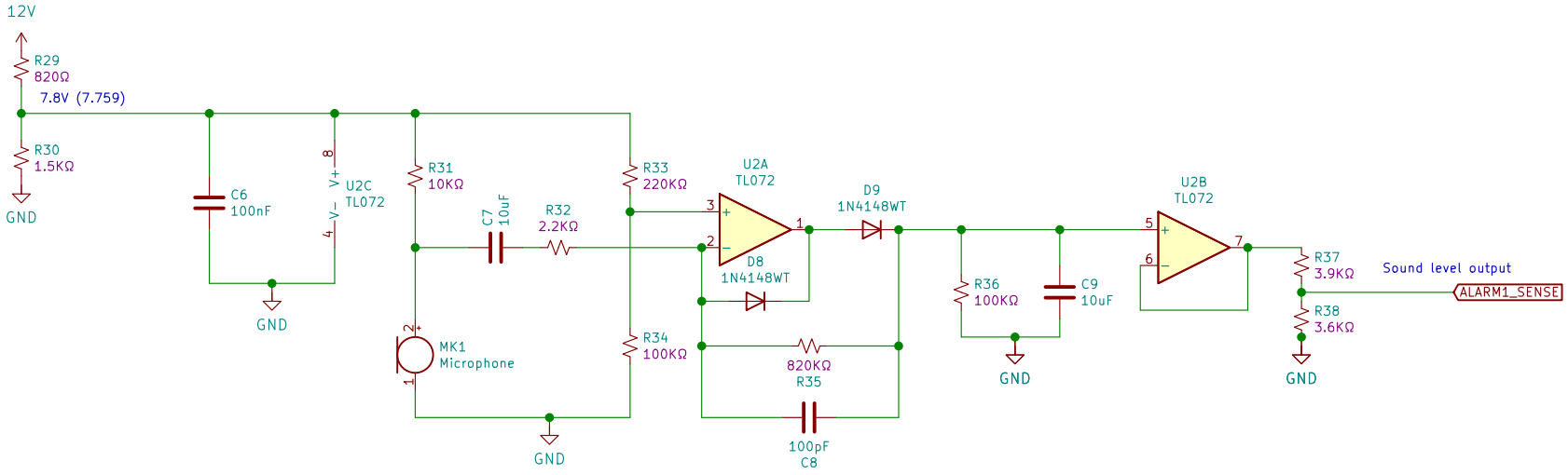
Alarm Detector

Microphone



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