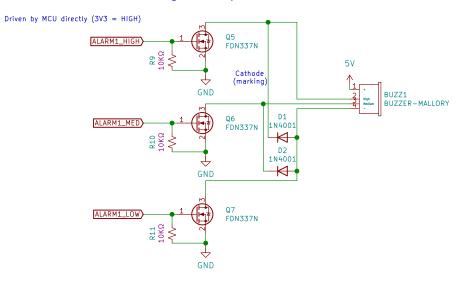
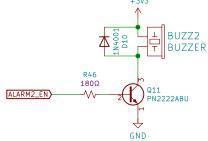


Alarms

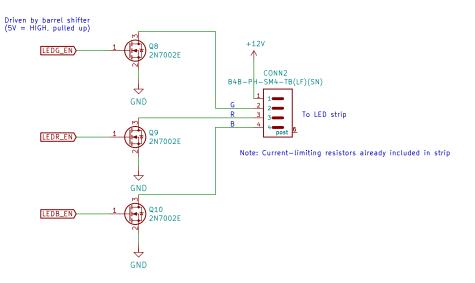
## Regulatory Medical Alarm



System Non-Regulatory Alarm — Control Board



Click confirmation speaker - RPi



Sheet: /LEDsAlarm/ File: LEDsAlarm.sch

Title: Pufferface Interface Schematic

 Size: A4
 Date: 2020-07-09
 Rev: 2

 KiCad E.D.A. kicad (5.1.6-0-10\_14)
 Id: 3/5

## **Switches** Front Membrane Switches 640457-9 2.54mm pitch connector 3.3٧ 3.3٧ 1: Button not pressed, Alarms enabled 1: Button not pressed, no action Conn\_01x09\_Male SET\_ALARM\_EN SW2\_EN) SET\_100\_02 SW1\_EN) Silence Alarms GND 100% 02 10KΩ R24 10ΚΩ Node 1: R23 D3 SMF3.3 D4 SMF3.3 Manual Breath unpressed: 3.3 pressed: 0 Nebulization Window SW1\_LED Lock/Unlock 85Ω R15 GND GND LED control SW2\_LED lines (Same order) 85Ω R16 3.3V 3.3 **-**VV-SW3\_LED 85Ω R17 1: Button not pressed, no action 1: Button not pressed, screen locked **-**VV-SW4\_LED SW3\_EN) SW4\_EN) 85Ω SET\_MANUAL\_BREATH R18 10ΚΩ 10ΚΩ D5 Cathode (Line) SMF3.3 Anode D6 SMF3.3 R25 R26 Note: 5V high Resistors sized assuming: Vf = 3.3V, Imax = 20 mA GND GND Back Push Button 3.3V 3.3٧ 1: Button pressed (latched) SET\_PWR\_ON\_OFF 10ΚΩ D7 SMF3.3 ■ 0.1uF GND B3B-PH-SM4-TB(LF)(SN) GND To SW5 (Back SPDT) Switch: 108-PLP16-C1RD3-SE6-ND or HA1B-A2C5-R Sheet: /Switches/ File: Switches.sch Title: Pufferface Interface Schematic Date: 2020-07-09 Size: A4 Rev: 2 KiCad E.D.A. kicad (5.1.6-0-10\_14) Id: 4/5

