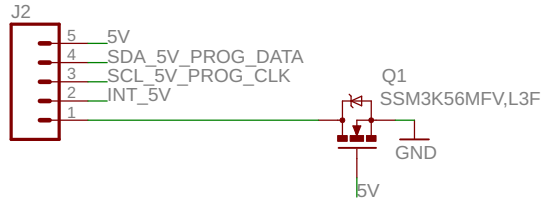
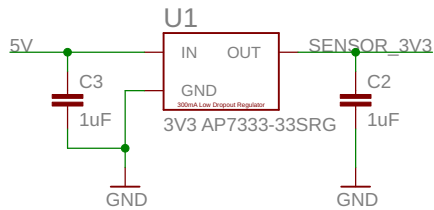


MICS6814 3-in-1 Gas Sensor Breakout (CO, NO2, NH3) (PIM569)

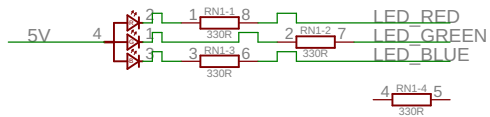
Breakout connector and reverse protection



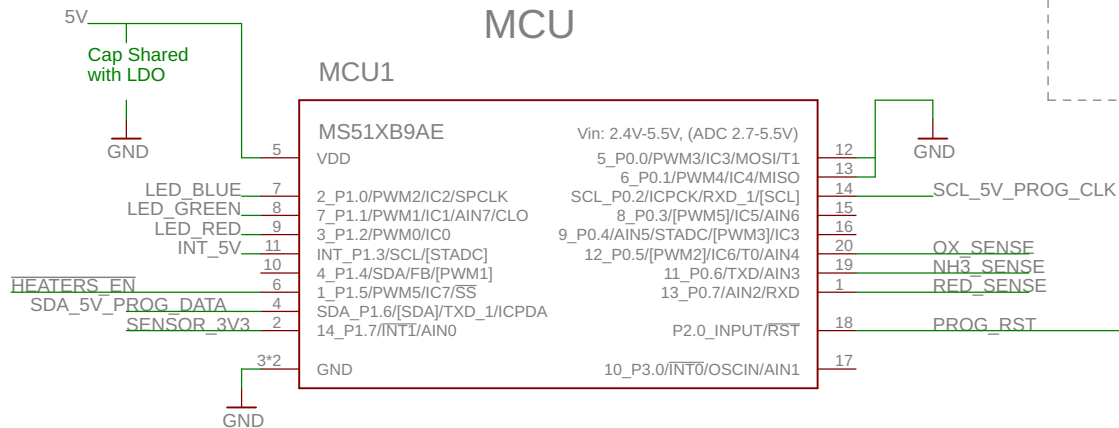
LDO for heater and sensor power



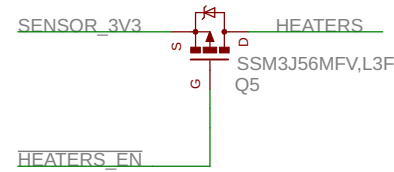
RGB LED



MCU



MICS-6814 Analog NO2 & CO & NH3 Sensor



OX (NO2):
 R3 resistor target current: 26mA
 R3 resistor selection: $(3.3V-1.7V)/.026A = 61.5 \text{ ohm}$
 R3 resistor power = $.026A * .026A * 61.5\text{ohm} = 41mW$
 RED (CO):
 R8 resistor target current: 32mA
 R8 resistor selection: $(3.3V-2.4V)/.032A = 28.1 \text{ ohm}$
 R8 resistor power = $.032A * .032A * 28.1\text{ohm} = 29mW$
 NH3:
 R15 resistor target current: 30mA
 R15 resistor selection: $(3.3V-2.2V)/.03A = 36.7 \text{ ohm}$
 R15 resistor power = $.03A * .03A * 36.7\text{ohm} = 33mW$

