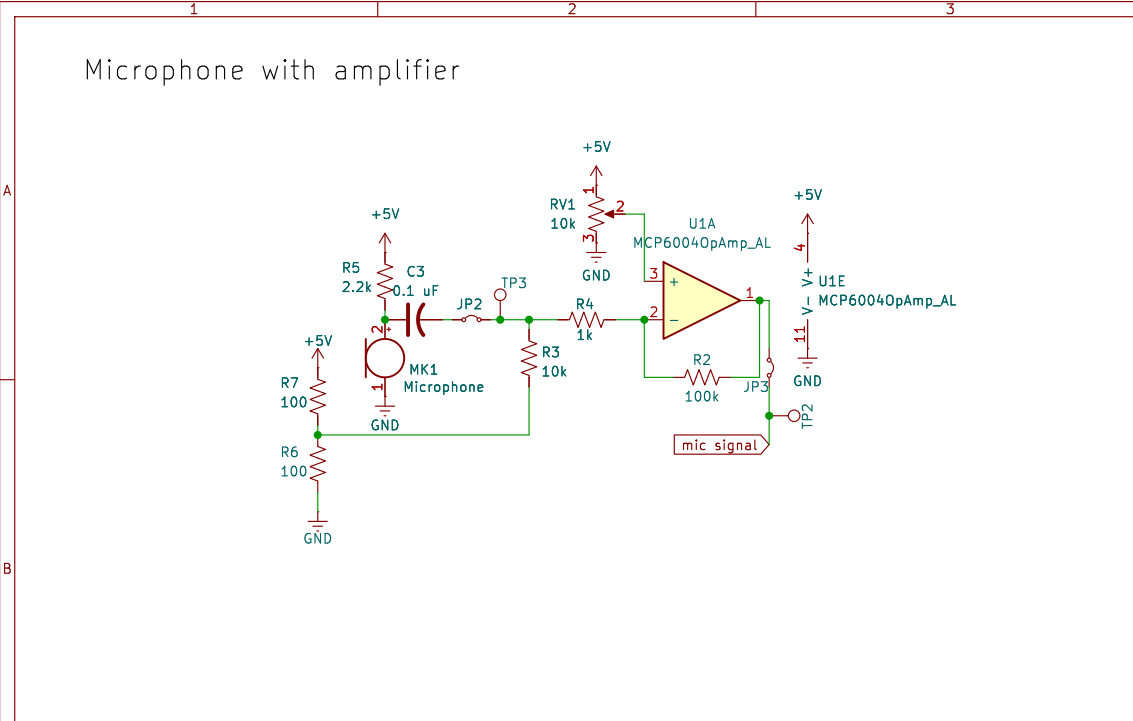
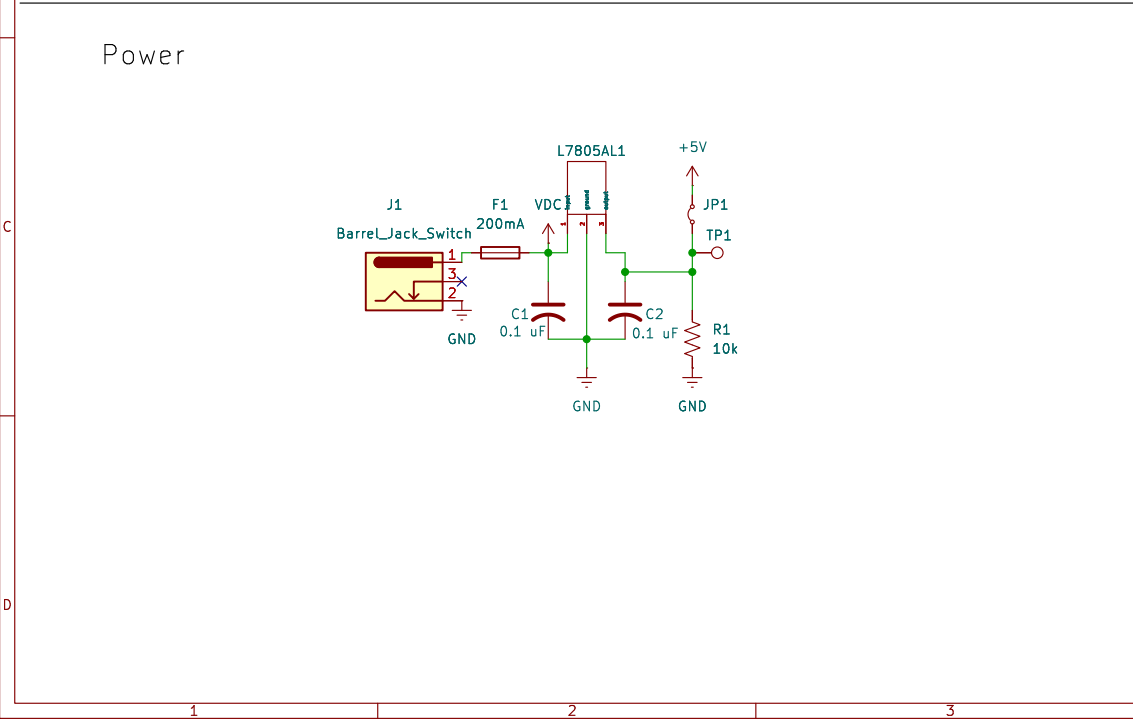


# Microphone with amplifier

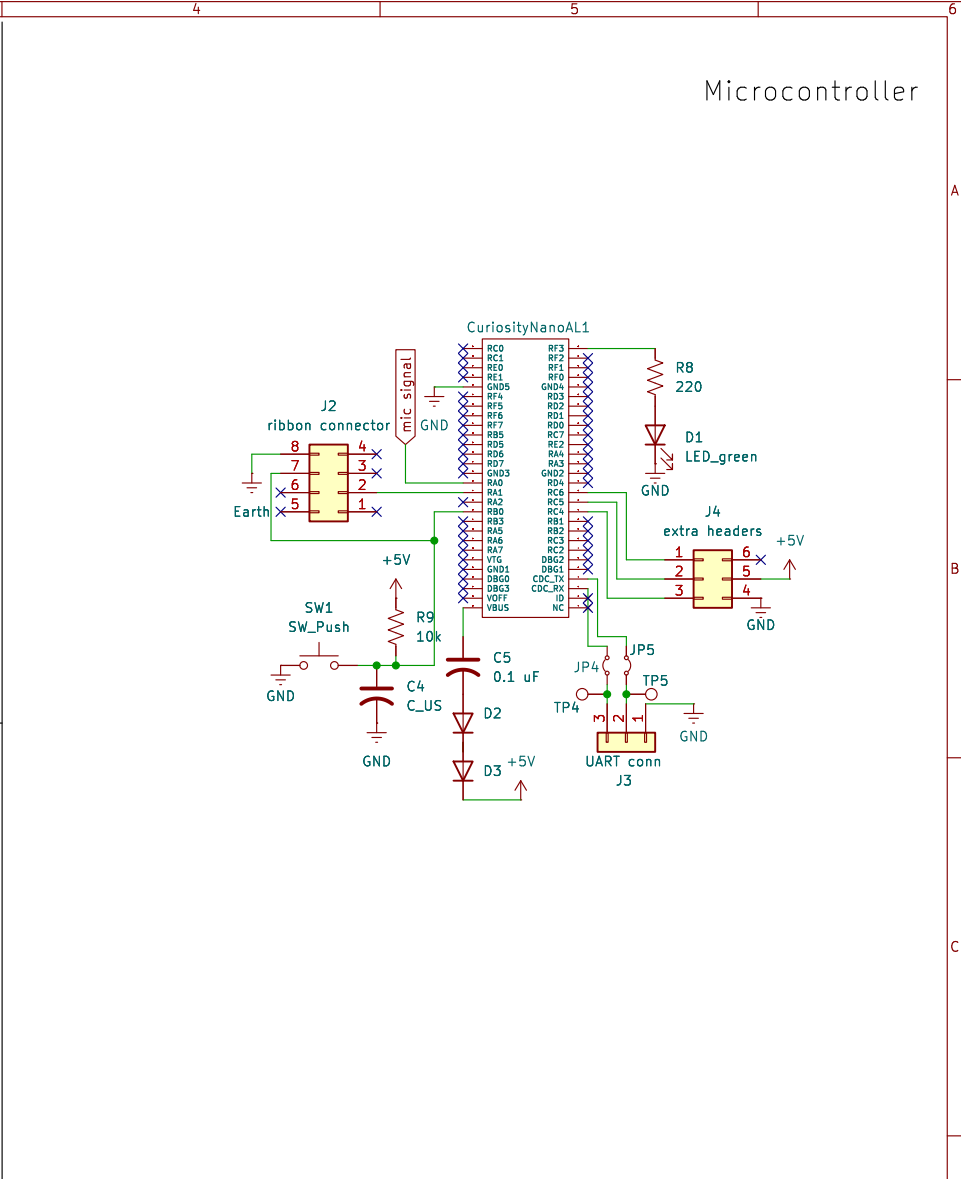


## Power



The diagram shows a CuriosityNanoAL1 microcontroller board with the following components and connections:

- Microcontroller:** CuriosityNanoAL1, with pins labeled R0 through VBUS.
- Power Supply:** +5V and GND connections. A SW1 SW\_Push button is connected to the +5V line through a 10k resistor (R9).
- Capacitors:** C4 (C\_US) and C5 (0.1 uF) are connected to the +5V line.
- Diodes:** D2 and D3 are connected in series to the +5V line. D1 (LED\_green) is connected to the GND line through a 220 resistor (R8).
- Connectors:** J2 (ribbon connector) is connected to the mic signal pin. J3 (UART conn) is connected to the UART pins. J4 (extra headers) is connected to the +5V and GND lines.
- Other Components:** TP4 and TP5 are test points. JP4 and JP5 are jumpers.



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<b>Title: Individual audio sensor subsystem</b>		
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File: individual\_subsystem.kicad\_sch

**Title:** Individual audio sensor subsystem

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