

POWER REGULATOR

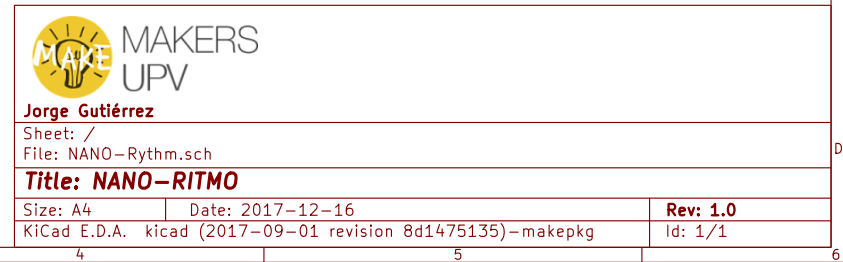
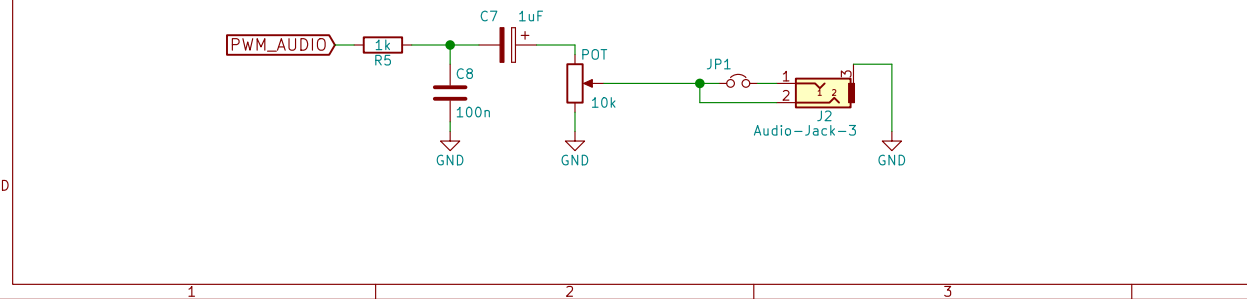
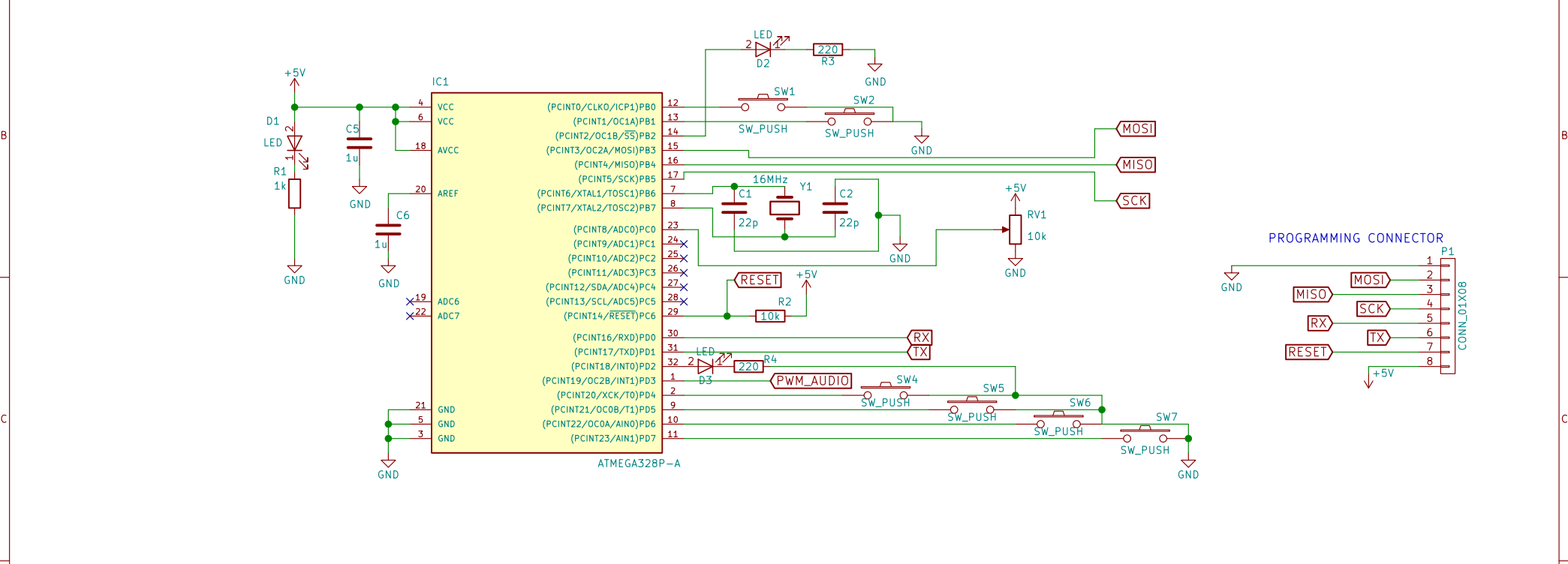
The diagram shows a power regulator circuit. It features two input sources: a USB +5V input (J1) and a barrel jack input. The USB input is connected to a diode (D4) and a switch (SW3). The barrel jack input is connected to the same diode and switch. The output of the diode and switch is connected to the input (IN) of the LM7805CT voltage regulator (U1). The regulator's ground (GND) is connected to the common ground. The output (OUT) of the regulator is connected to a +5V output terminal. Two 1uF capacitors (C3 and C4) are used for filtering: C3 is connected between the input and ground, and C4 is connected between the output and ground.

The image shows a circuit diagram for a power regulator and the text "NANO-RITMO".

**POWER REGULATOR**

The circuit diagram illustrates a power regulation system. It features a USB +5V input connected to a barrel jack (J1) and a diode (D4). The output of the diode is connected to a switch (SW3) and a capacitor (C3, 1uF). The switch is controlled by a SwitchSPDT. The output of the switch is connected to the input (IN) of an LM7805CT voltage regulator (U1). The regulator's ground (GND) is connected to the common ground of the circuit. The output (OUT) of the regulator is connected to a capacitor (C4, 1uF) and provides a +5V output.

**NANO-RITMO**



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File: NANO-Rythm.sch		
<b>Title: NANO-RITMO</b>		
Size: A4	Date: 2017-12-16	Rev: 1.0
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