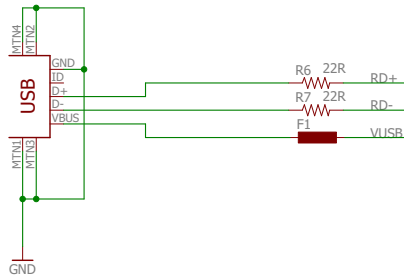
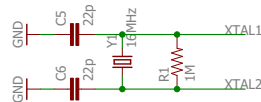


### USB

The diagram illustrates the electrical connection between a USB port and an RS485 module. The USB connector has pins NTM4, NTM2, ID, D+, D-, and VBUS. The ID pin is connected to GND. The D+ pin is connected to RD+ through a 22R resistor (R6). The D- pin is connected to RD- through a 22R resistor (R7). The VBUS pin is connected to F1, which is then connected to V+USB. The USB connector is also connected to GND.

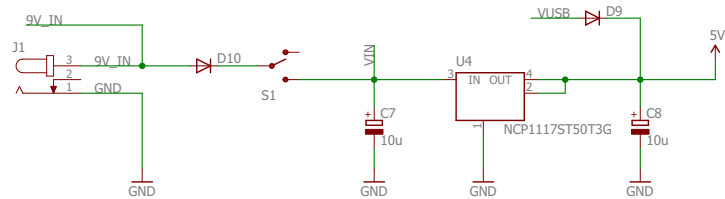


XTAL



# POWER SUPPLY

The diagram illustrates a power supply circuit. It begins with a 9V battery (J1) connected to a diode (D10) and a switch (S1). The output of the switch is connected to a 10uF capacitor (C7) and the input of a voltage regulator (U4, NCP1117ST50T3G). The regulator's output is connected to another 10uF capacitor (C8) and a USB port (VUSB) through a diode (D9). The final output is 5V.



# AVR ICSP

