

The schematic shows a battery-powered system. A 3.3V DC source (V1) is connected to a 3.3V regulator (V2) through a 1000 ohm resistor (R4). The regulator output is connected to a 22 microfarad capacitor (C2) and a BSS123 MOSFET (M1). A BAT54 diode (D2) is connected in series with the output. A 3300000 ohm resistor (R1) is connected to the output. A BAT54 diode (D3) is connected in series with the output. A 1 microfarad capacitor (C1) is connected to the output. A BSS123 MOSFET (M3) is connected to the output. A 1000000 ohm resistor (R3) is connected to the output. The DMP2305U module is connected to the output. The circuit is simulated using LTSPICE with a .tran 0 100 0.1 command.

D3 port on Arduino is simulated by this V4+D1. Neither V4 nor D1 is on PCB
Software holds +Vcc then switches to INPUT