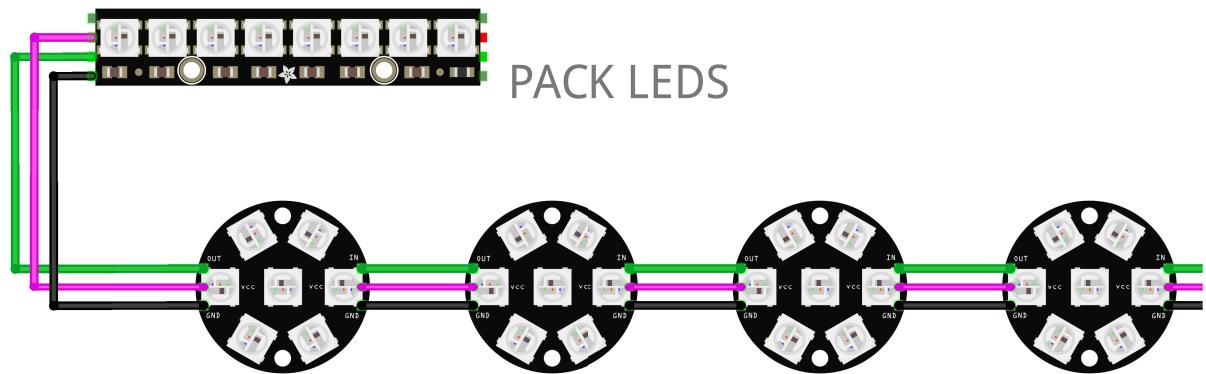
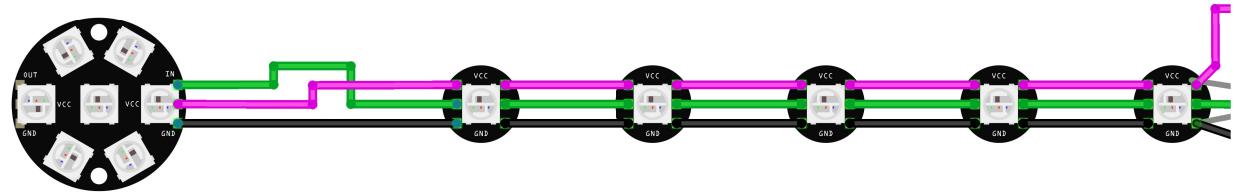


PROTON PACK AND NEUTRINO WAND V1

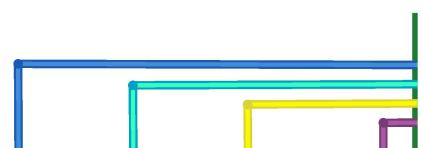
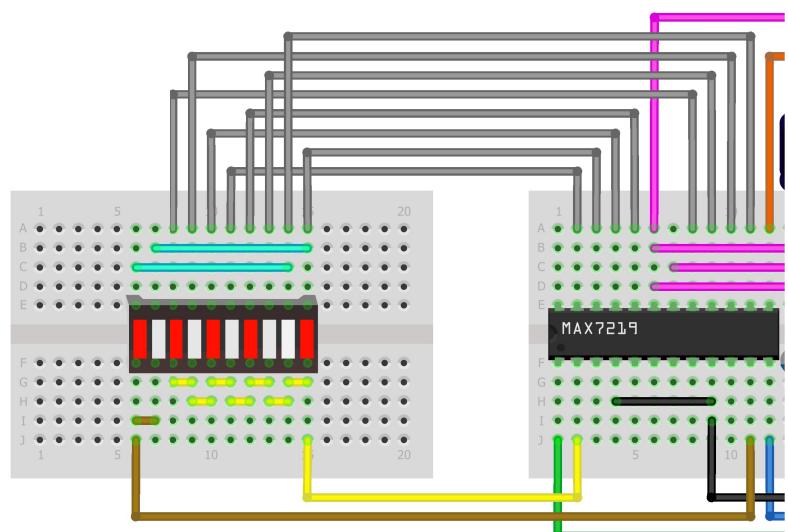


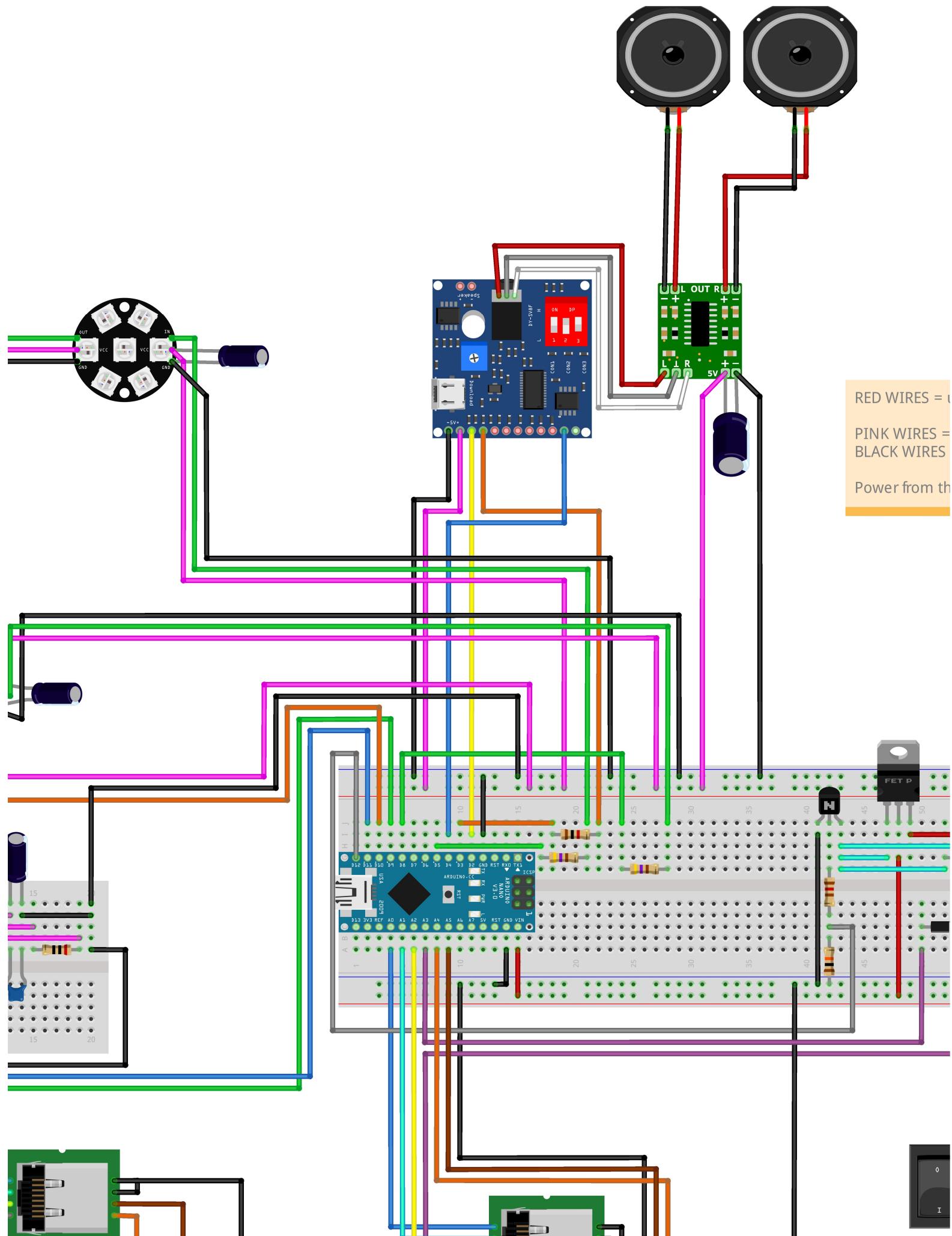
PACK LEDS



WAND LEDS

WAND BAR GRAPH
AND SHIFT REGISTER

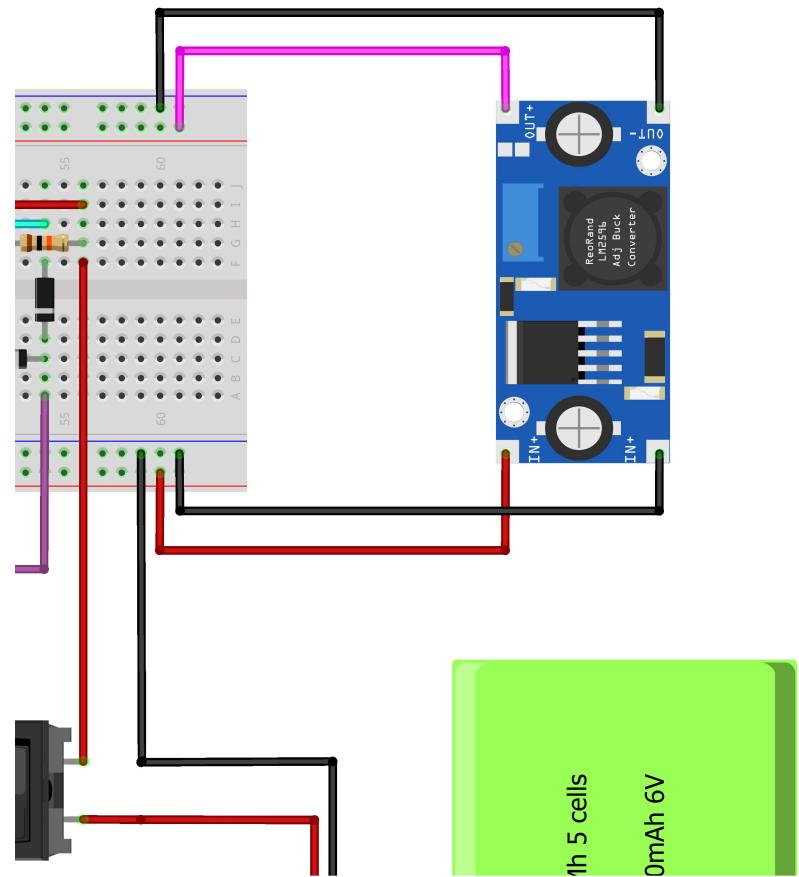




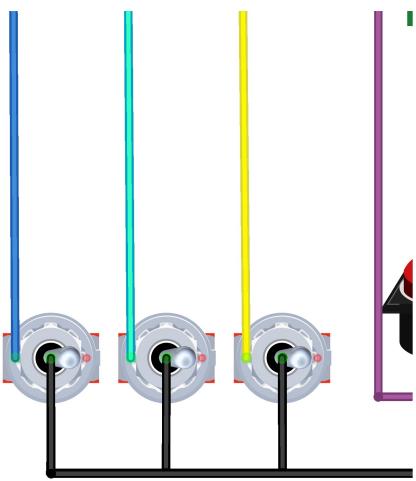
Unregulated power from battery or charger ($>=6V$)
Arduino Nano is power from this..
4.5V from the buck converter for everything else.
are all ground wires

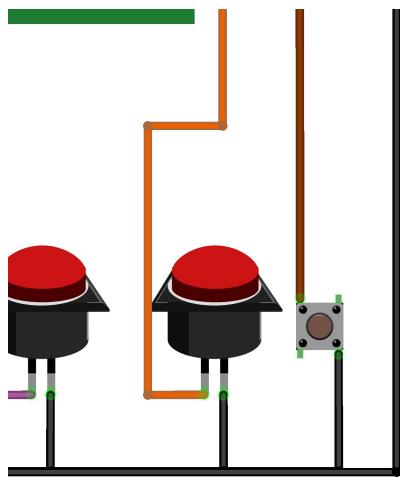
The USB jack to the charger module and relay is 5V.

DC-DC BUCK CONVERTER PROVIDES 4.5V



WAND SWITCHES AND BUTTONS



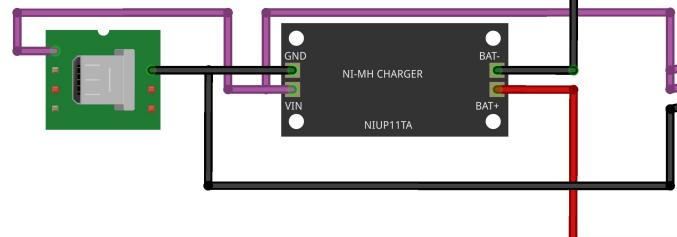


RJ45 cable is used to connect switches and buttons from pack to wand

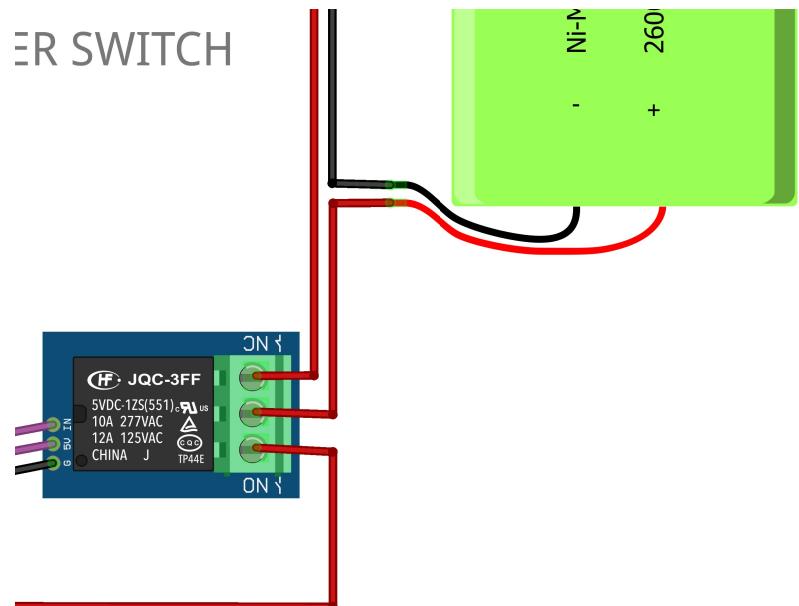


MAIN POWI

CHARGER CIRCUIT



PIR SWITCH



fritzing