
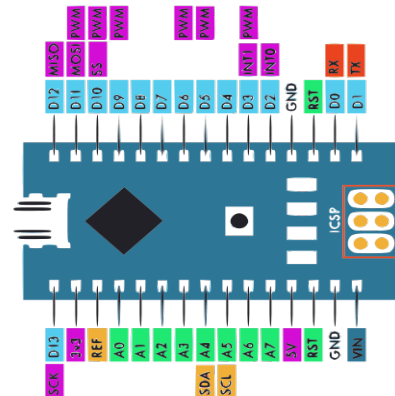
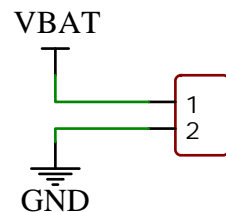
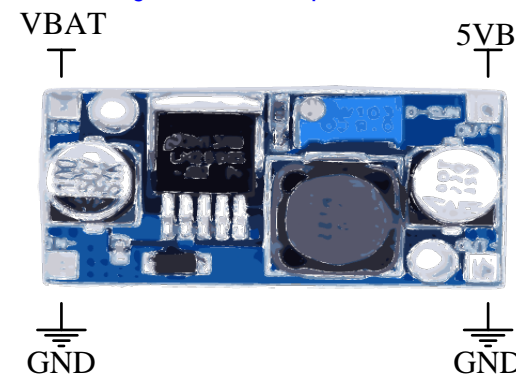


A circuit diagram showing a component with two pins, labeled 1 and 2, enclosed in a red box. Pin 1 is connected to a terminal labeled VBAT. Pin 2 is connected to a terminal labeled GND, which is represented by a ground symbol.

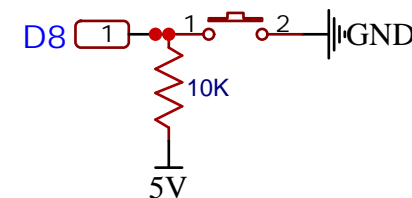






A photograph of the PCB of the proposed system. The board is blue and populated with various electronic components. Labels indicate electrical connections: 'VBAT' at the top left, '5VB' at the top right, 'GND' at the bottom left, and 'GND' at the bottom right. The components include a large black integrated circuit in the center, a large silver electrolytic capacitor on the right, and several smaller components like resistors and capacitors.

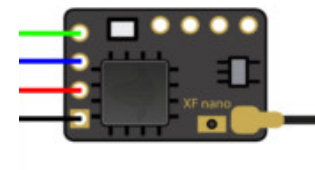
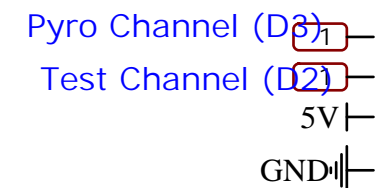


- Input Voltage Range: 4 - 35 V
- DC Output Voltage Range: 1.23 - 30 V
- DC Adjustable Input Current: 3A (max)

The diagram shows the electrical connections for the D8 pin. Pin 1 is connected to a 5V supply via a 10K resistor. Pin 2 is connected to GND through a switch.



Pyro Channel (D3) 
Test Channel (D2) 
5V 
GND 



Battery 2s liion/lipo (rated at least 7amps)
12v car battery may be used but runs risk of over heating resister.