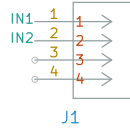
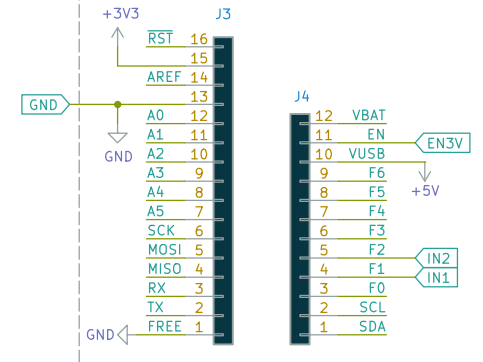
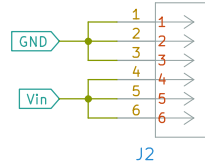


Molex\_PicoBlade\_53398-0471\_1x04-1MP\_P1.25mm\_Vertical



Molex\_PicoBlade\_53047-0610\_1x06\_P1.25mm\_Vertical



## Low Side Switch

U1  
BTS3405GXUMA1



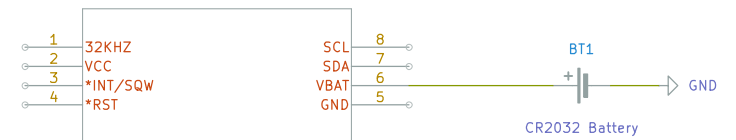
Current limited to 350mA per channel

Vin = 3.3V, Max power = 1.2W  
5 Ohm resistor estimated to reach 150c over 1sec in air

Vin = 5V, Max power = 1.75W  
10 Ohm resistor estimated to reach 150c over 1sec in air

## RTC

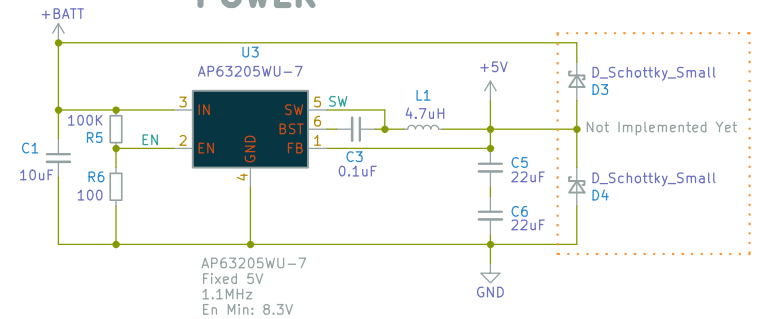
U2  
DS3231MZ/V+



RTC for timed triggering of burn mechanism

Can be used as a backup power source for the RTC and burn activation

## POWER



Sheet: /	
File: BurnWing.kicad_sch	
<b>Title: Burnwire Feather Board</b>	
Size: USLetter	Date: 2025-01-02
KiCad E.D.A. 8.0.6	Rev: Id: 1/1