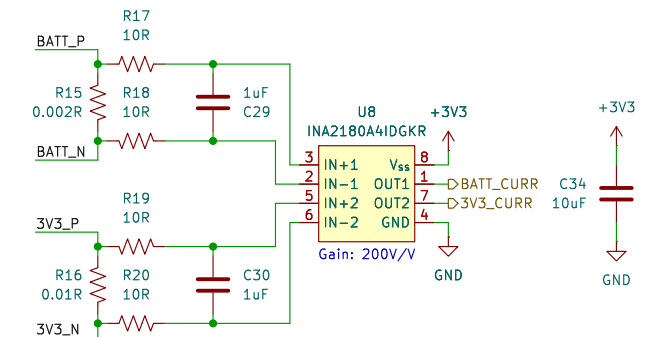
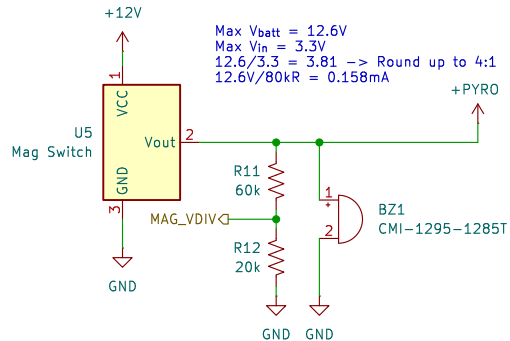


Curr Sense:  
 $I_{max} = 7.5A$   
 $V_r = I \cdot R = 7.5 \cdot 0.002 = 0.015V$   
 $V_{out} = G \cdot V_r = 200(0.015) = 3V$



Curr Sense:  
 $I_{max} = 2A$   
 $V_r = I \cdot R = 2 \cdot 0.008 = 0.016V$   
 $V_{out} = G \cdot V_r = 200(0.016) = 3.2V$



Keep BZ1 away from mag switch and current sensing lines

Designer: Ash Lang  
**Waterloo Rocketry**

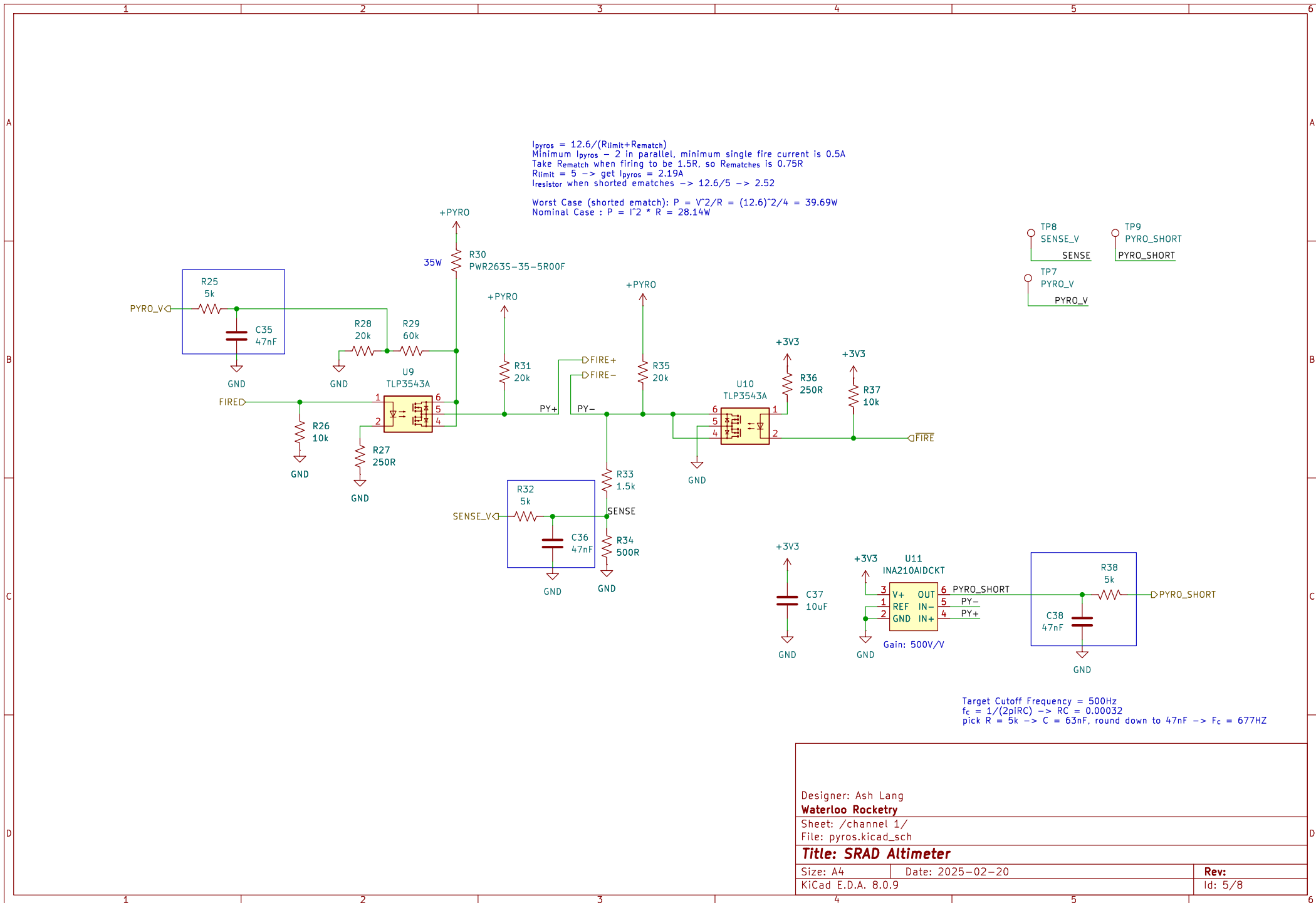
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**Title: SRAD Altimeter**

Size: A4 | Date: 2025-02-20  
 KiCad E.D.A. 8.0.9

**Rev:**  
 Id: 3/8





Designer: Ash Lang

**Waterloo Rocketry**

Sheet: /channel 1/

File: pyros.kicad\_sch

**Title: SRAD Altimeter**

Size: A4

Date: 2025-02-20

KiCad E.D.A. 8.0.9

Rev:

Id: 5/8



