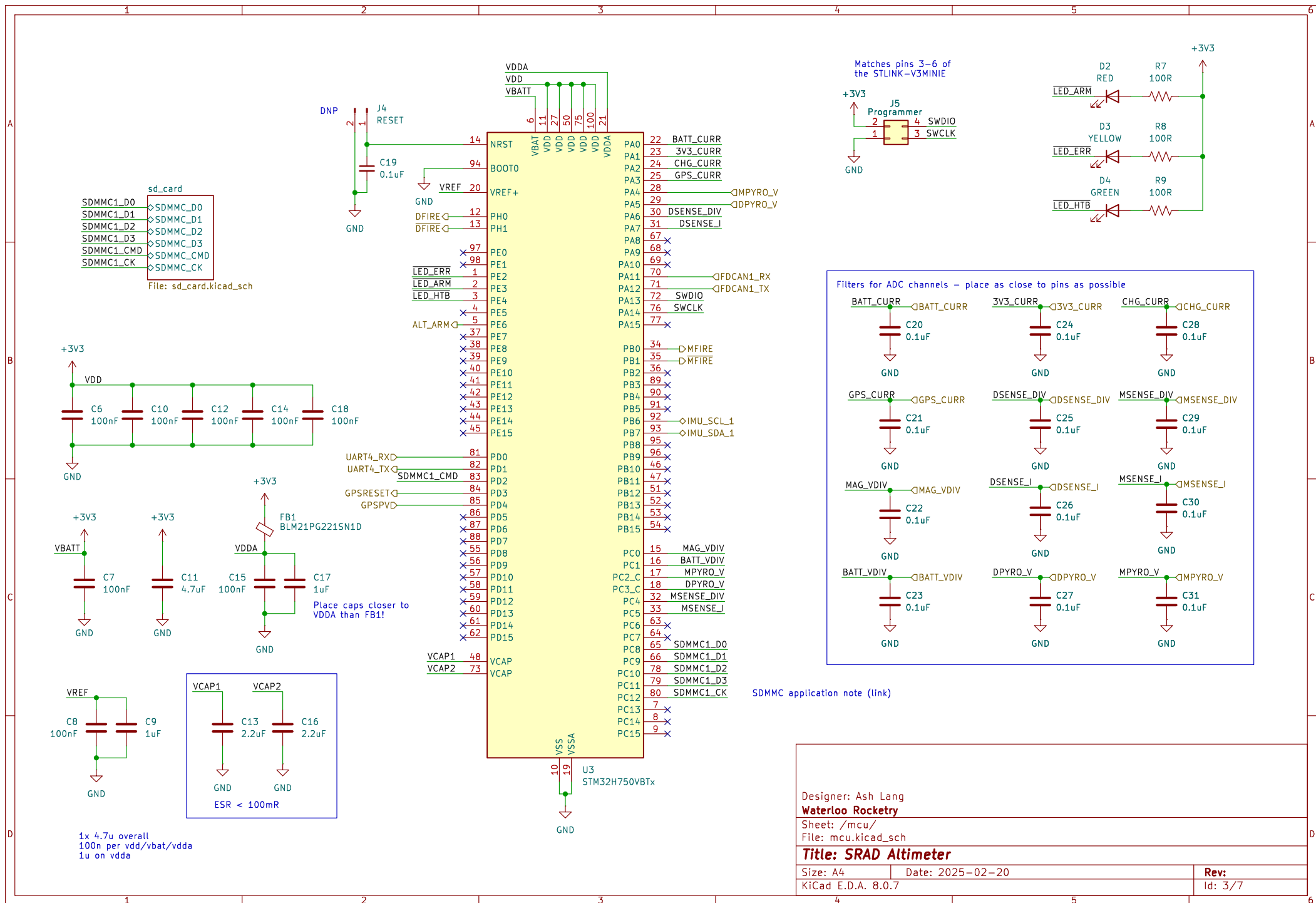
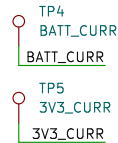
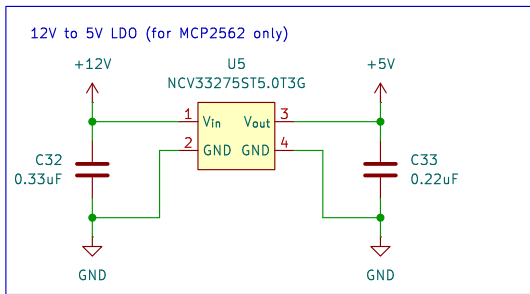
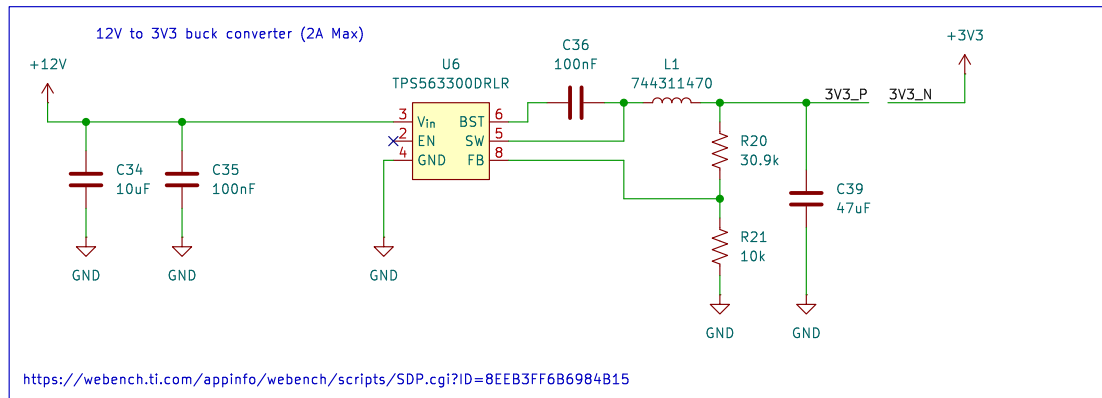
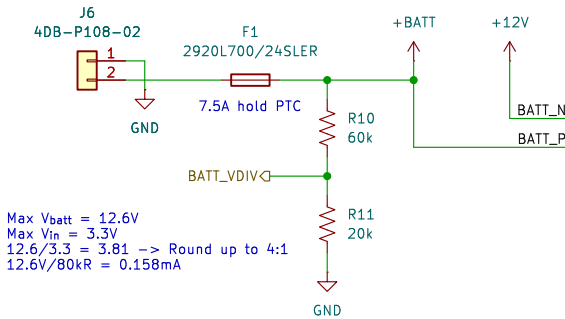
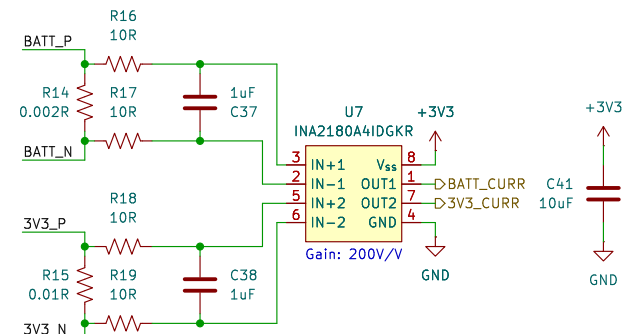


Designer: Ash Lang	
Waterloo Rocketry	
Sheet: /	
File: altimeter.kicad_sch	
Title: SRAD Altimeter	
Size: A4	Date: 2025-02-20
KiCad E.D.A. 8.0.7	Rev: Id: 1/7

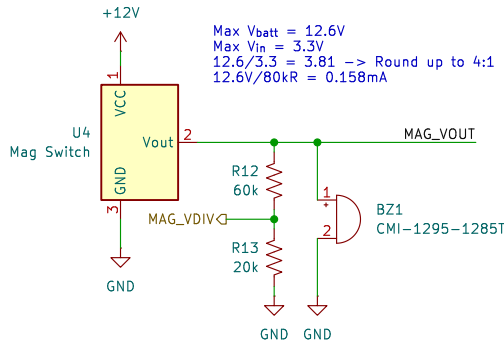




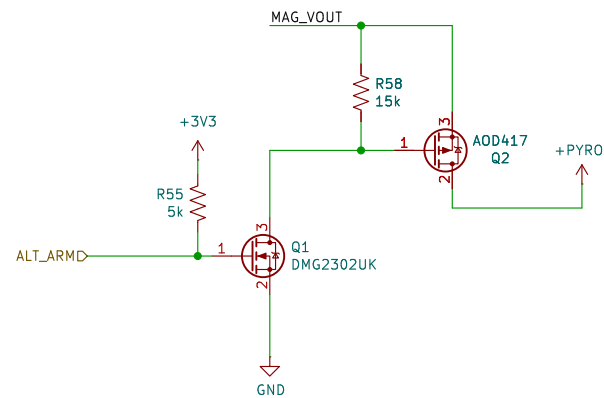
Curr Sense:
 $I_{max} = 7.5A$
 $V_r = I_R = 7.5 * 0.002 = 0.015V$
 $V_{out} = G * V_r = 200(0.015) = 3V$



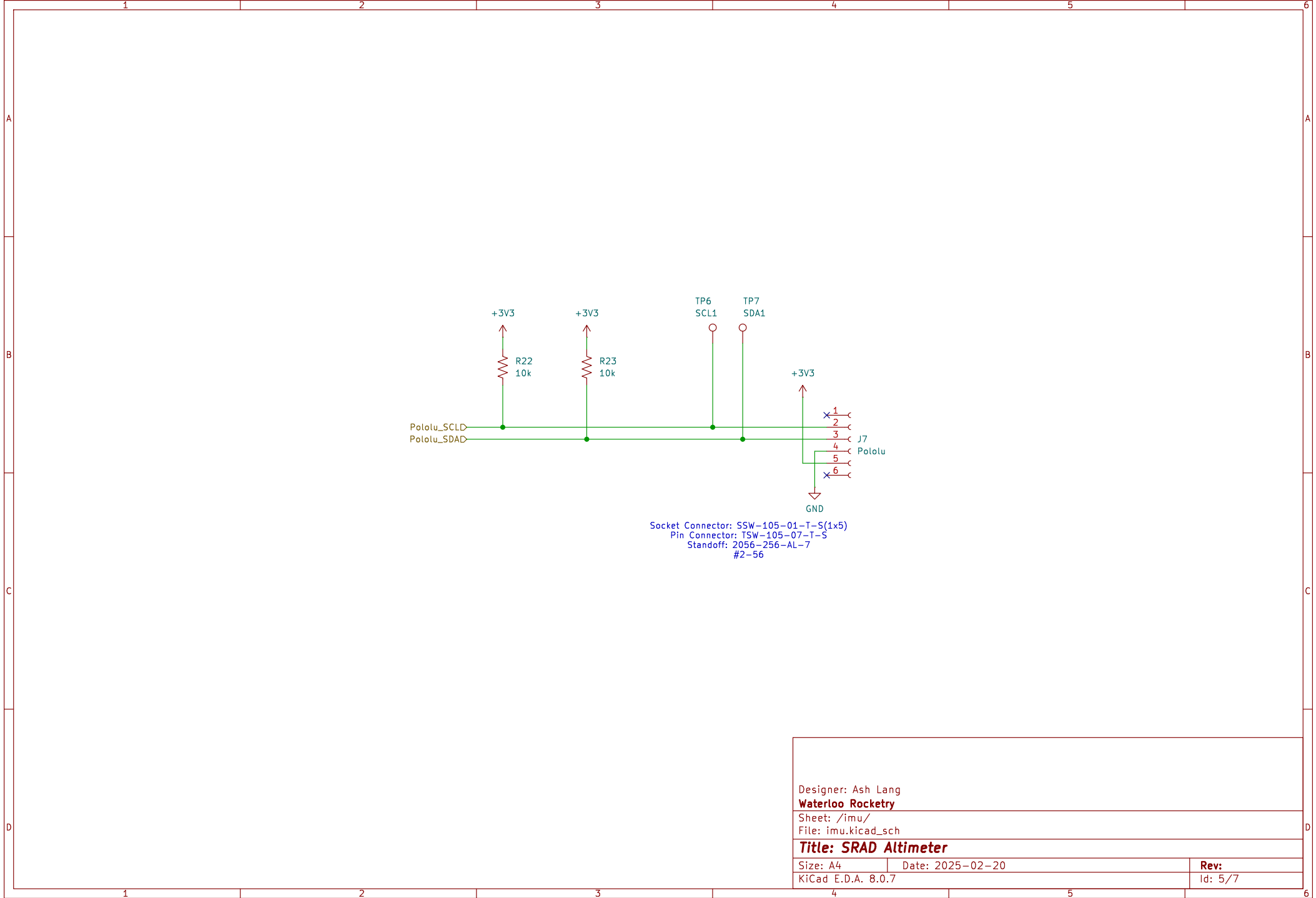
Curr Sense:
 $I_{max} = 2A$
 $V_r = I_R = 2 * 0.008 = 0.016V$
 $V_{out} = G * V_r = 200(0.016) = 3.2V$

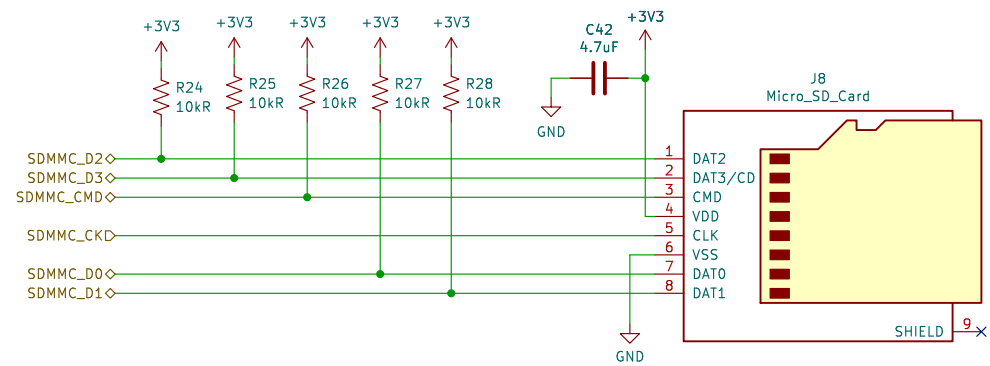


Keep BZ1 away from mag switch and current sensing lines



Designer: Ash Lang	
Waterloo Rocketry	
Sheet: /power/	
File: power.kicad_sch	
Title: SRAD Altimeter	
Size: A4	Date: 2025-02-20
KiCad E.D.A. 8.0.7	Rev: Id: 4/7





Designer: Ash Lang

Waterloo Rocketry

Sheet: /mcu/sd_card/

File: sd_card.kicad_sch

Title: SRAD Altimeter

Size: A4

Date: 2025-02-20

Rev:

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Id: 6/7

