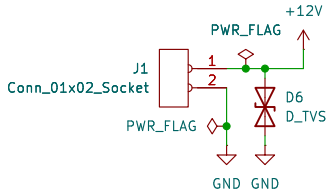
Inputs



Subsystems

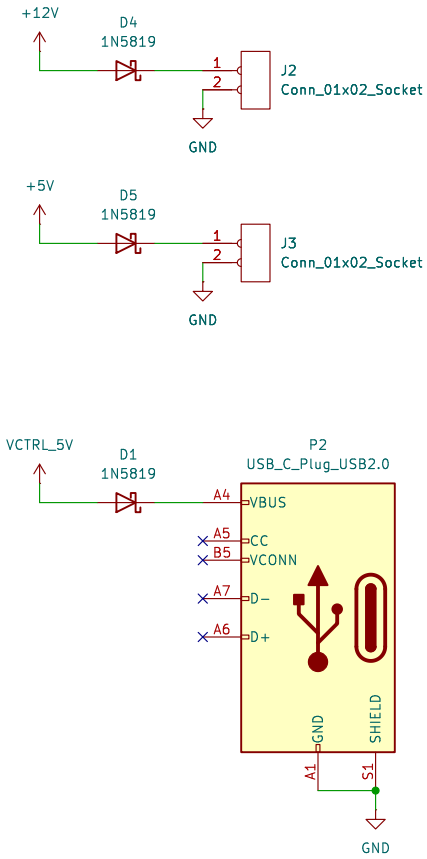
12V to 5V

File: 12v_to_5v.kicad_sch

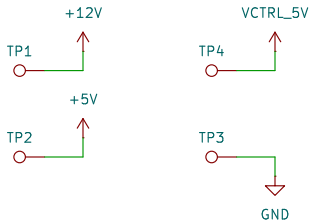
Phone Charging

File: phone_charging.kicad_sch

Outputs



Testpoints



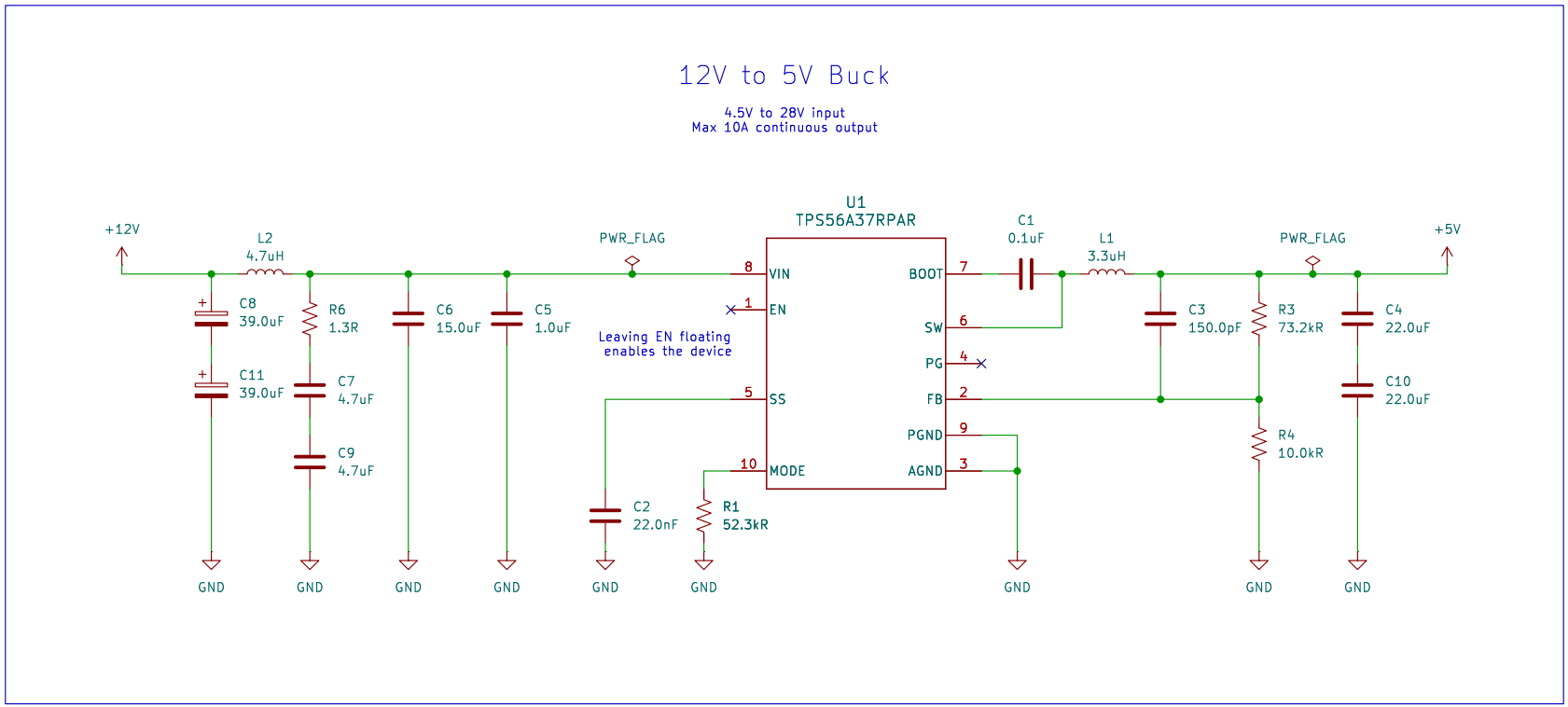
Mechatronics FYDP Group 16

Sheet: /

File: roamr-power.kicad_sch

Title: ROAMR power board

Size: USLetter	Date: 2026-01-18	**Rev: 1.0**
KiCad E.D.A. 9.0.7		Id: 1/3



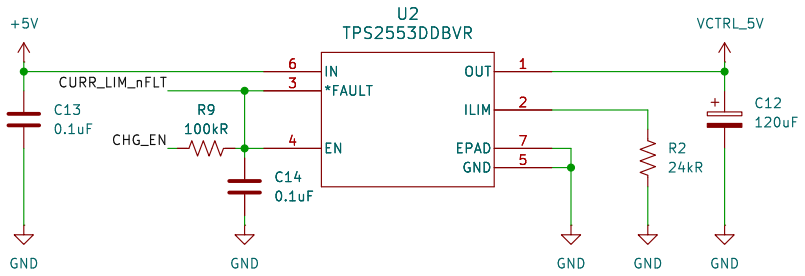
Mechatronics FYDP Group 16

Sheet: /12V to 5V/
File: 12v_to_5v.kicad_sch

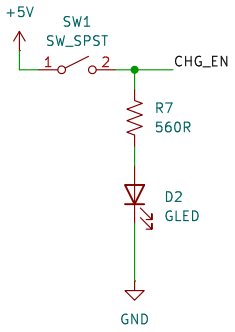
Title: ROAMR power board

Size: USLetter	Date: 2026-01-18	**Rev: 1.0**
KiCad E.D.A. 9.0.7		Id: 3/3

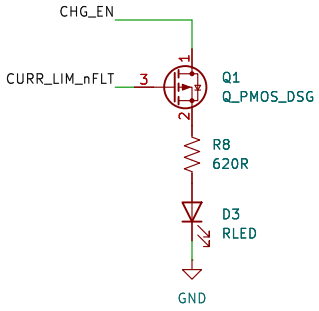
USB Charging Current Limiter



USB Charging Enable



Fault Indicator



Mechatronics FYDP Group 16

Sheet: /Phone Charging/
File: phone_charging.kicad_sch

Title: ROAMR power board

Size: USLetter	Date: 2026-01-18	**Rev: 1.0**
KiCad E.D.A. 9.0.7		Id: 5/3