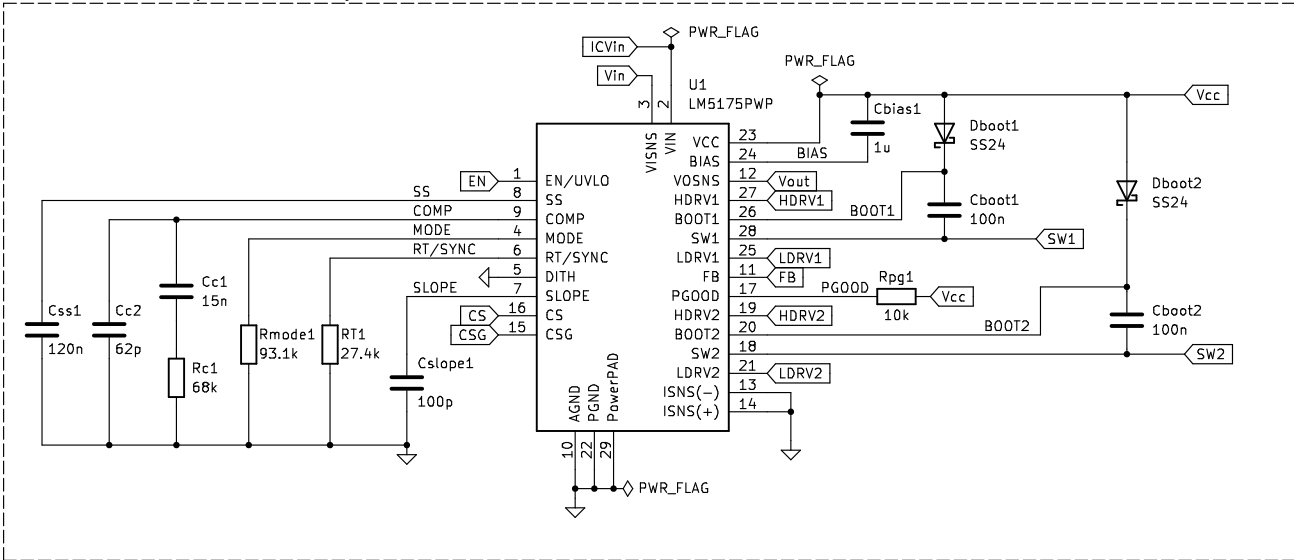
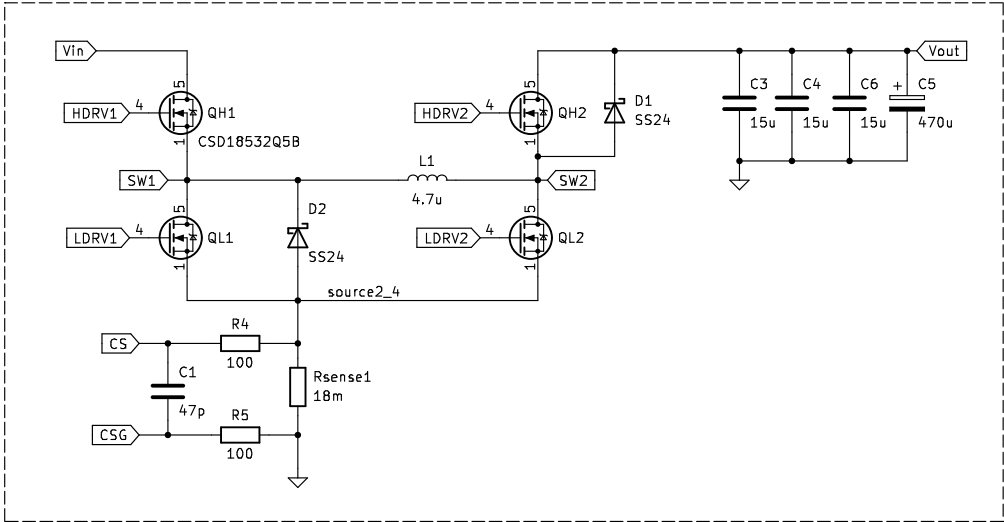


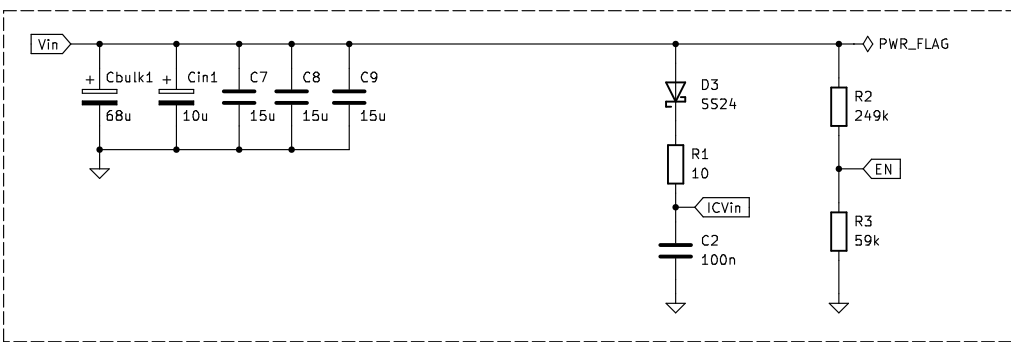
LM5175 + boilerplate circuitry



MOSFETs and current sense

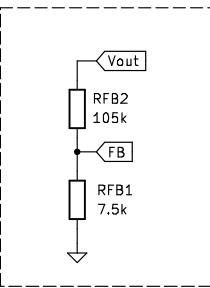


Input network



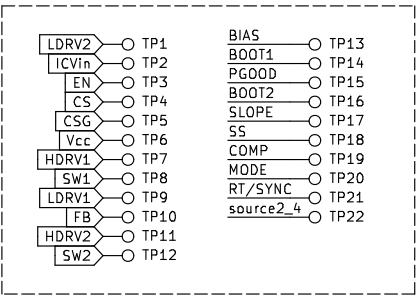
R2 and R3 enable the internal  
vcc regulator needed for the  
built in MOSFET drivers

Feedback Control

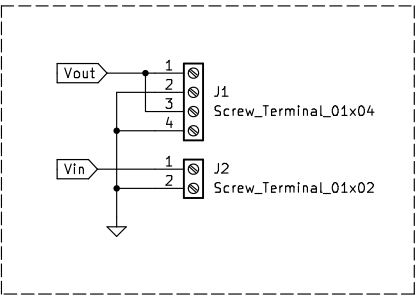


$$R_{fb2}/R_{fb1} = (V_{out} - 0.8)/0.8$$

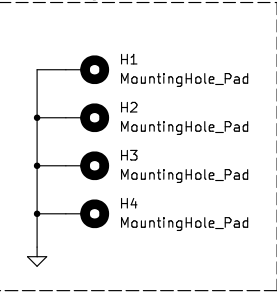
Test Points



Connectors



Mounting Holes



jpais  
KU Leuven

Sheet: /  
File: universal12Vsupply.kicad\_sch

Title: Universal 12V supply

Size: A3 Date: 2023-11-03  
KiCad E.D.A. kicad 7.0.8

Rev: 0.1  
Id: 1/1