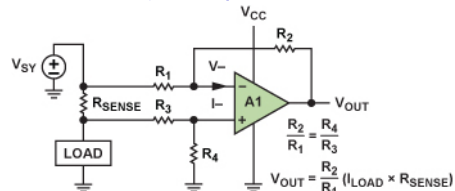


Currents up to 320mA can be measured with high precision through the INA219. For higher currents the semi-precise differential amplifier can be used.

Differential amplifier high-side current sensor



- 2 pcb concept. To be used together with frontpanel pcb
- Powered from standard pc psu (12V)
- Preregulation with SEPIC converter
- based on David Jones' uSupply project

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File: CurrentSense.sch

**Title: Lab Psu (0-20V 0-2A)**

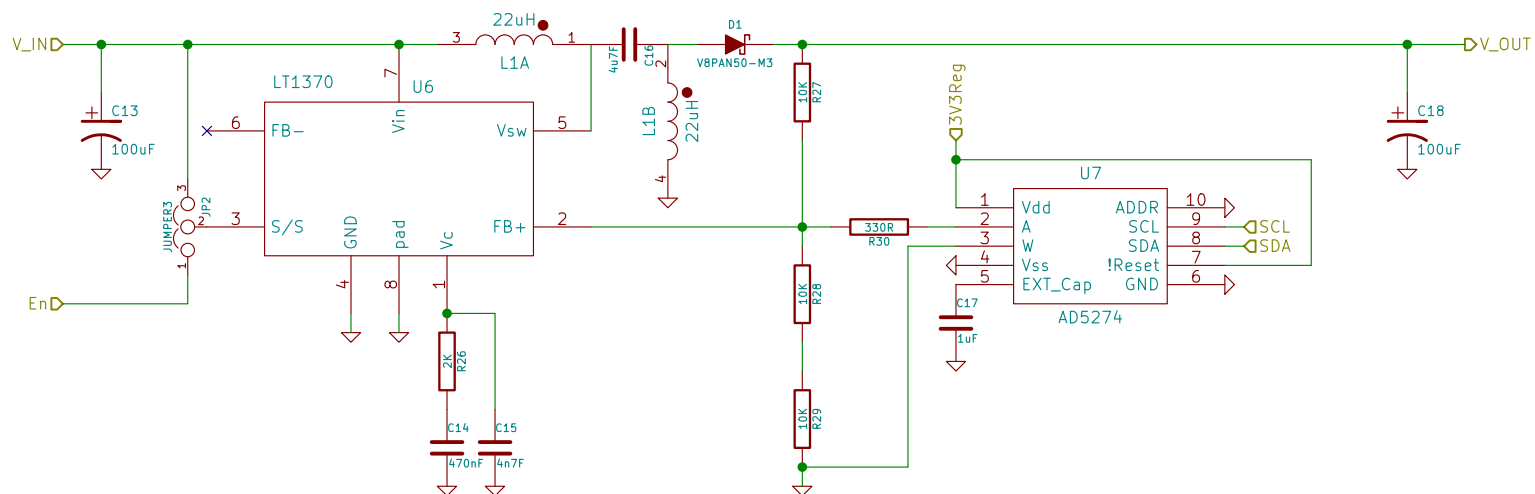
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Date:

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- Switching pre regulator
- SEPIC converter
- Powered from standard pc psu (12V)

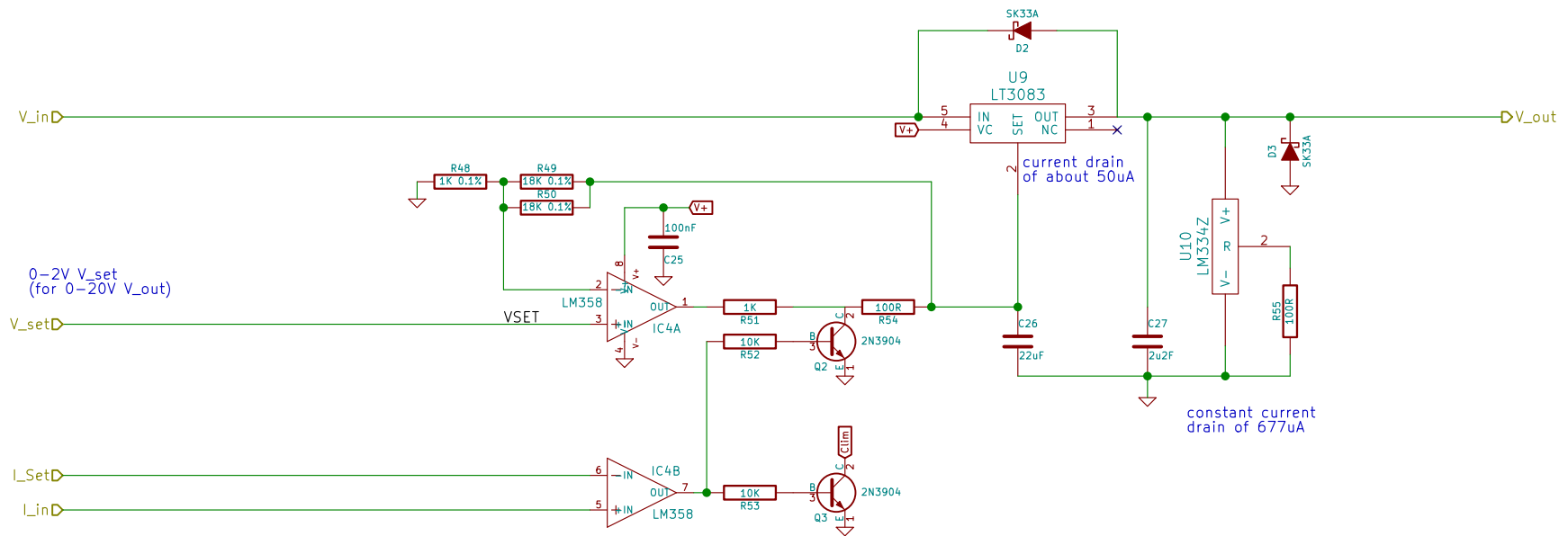
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**Title: Lab Psu (0-20V 0-2A)**

Size: A4 Date: KiCad E.D.A. kicad (2015-06-26 BZR 5832)-product

Rev: B  
Id: 3/5





Sheet: /Regulation/  
File: Regulation.sch

**Title:**

Size: A4 Date:  
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**Rev:**  
Id: 5/5