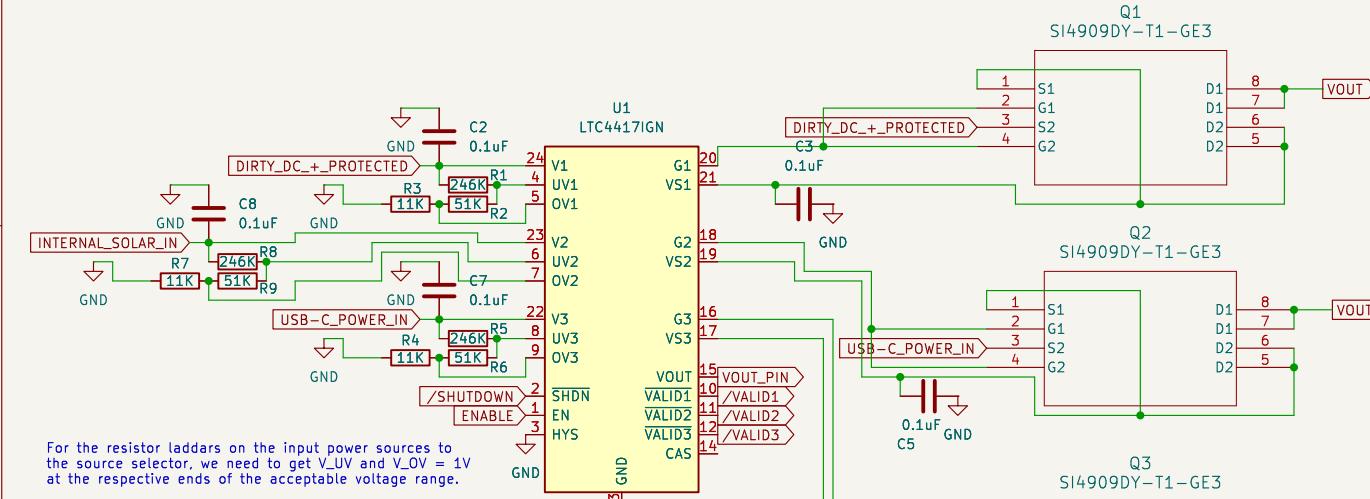


Mega65Modular Input power selector v0.1
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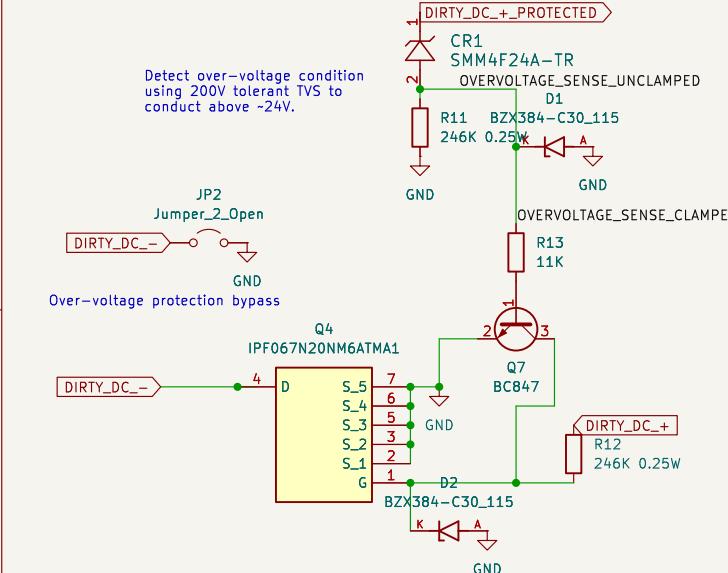
A



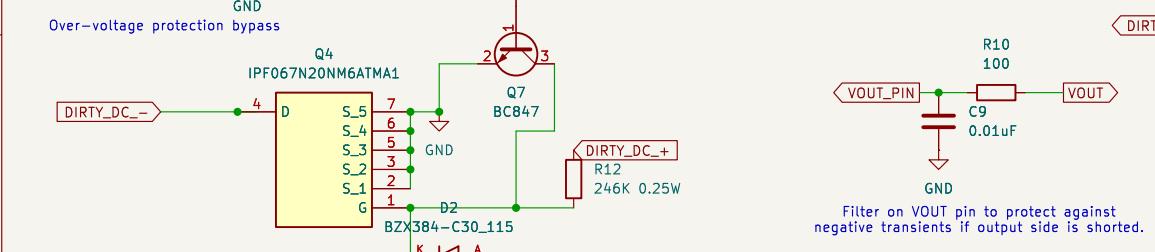
For the resistor ladders on the input power sources to the source selector, we need to get V_{UV} and $V_{OV} = 1V$ at the respective ends of the acceptable voltage range.

If we aim for 5V -- 28V being acceptable, then we can use 246K, 51K and 11K, from VIN to GND respectively.

C



D



Filter on VOUT pin to protect against negative transients if output side is shorted.

Reverse polarity protection (to 100V) for Dirty DC / external solar panel.

Polarity protection bypass

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 File: input-power-selector.kicad_sch
Title: Mega65Modular Input power selector
 Size: A4 Date: 2025-11-10
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