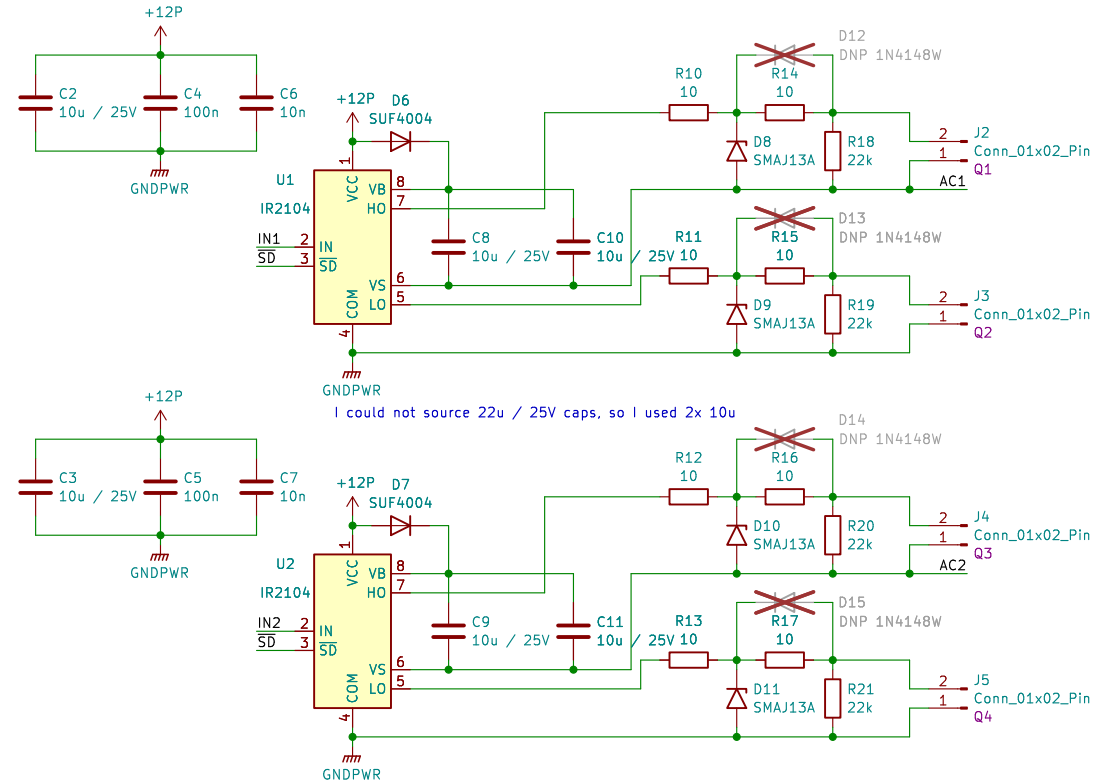
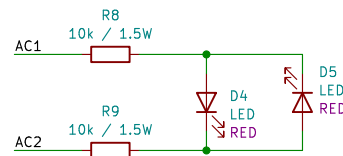


I will have to leave one of the 220uF caps on vetrnik-power and the isolated power supply only allows 470uF output cap. The other 220uF on vetrnik-power has to be removed!



I could not source 22u / 25V caps, so I used 2x 10u



LEDs might help detect shorted transistors (although if one is shorted & the other is on, it will form a voltage divider)
200V/20kOhm = 10mA ; 2W
10V/20kOhm = 0.5mA
Both LEDs need to be the same color to get comparable brightness.

TBA 1-1212 in vetrnik-power (source of +12P) has unregulated output, can be 10% higher than its input.
SMAJ12A has Vbrmin = 13.3 --> 13.3/1.1 = 12.09V maximum input to DC-DC
SMAJ13A has Vbrmin = 14.4 --> 14.4/1.1 = 13.09V maximum input to DC-DC
--> SMAJ13A is better, but clamping voltage of 21.5V is higher than mosfet Vgsmax=20V

Ondřej Sluka

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