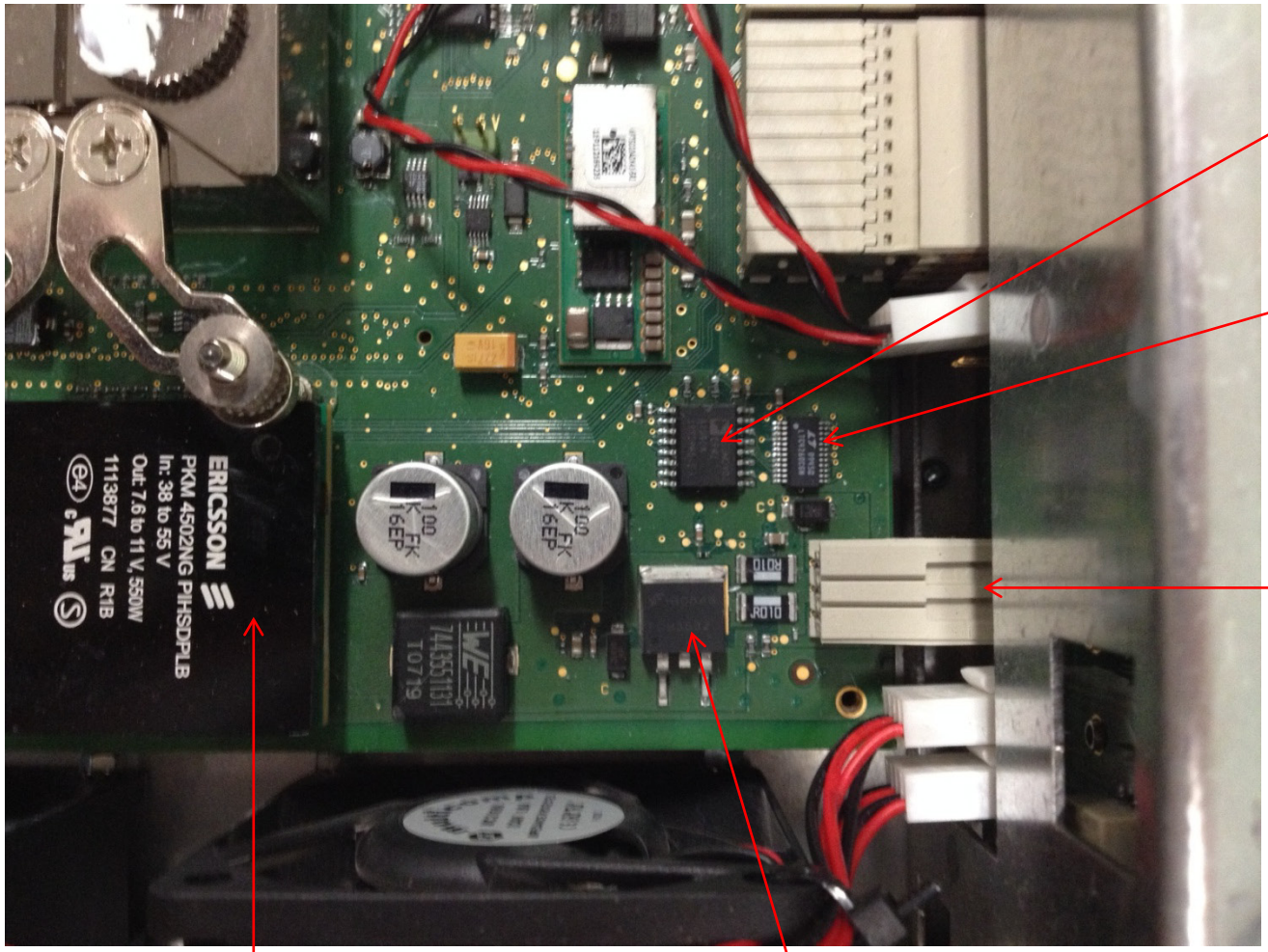
# Hotswap controller



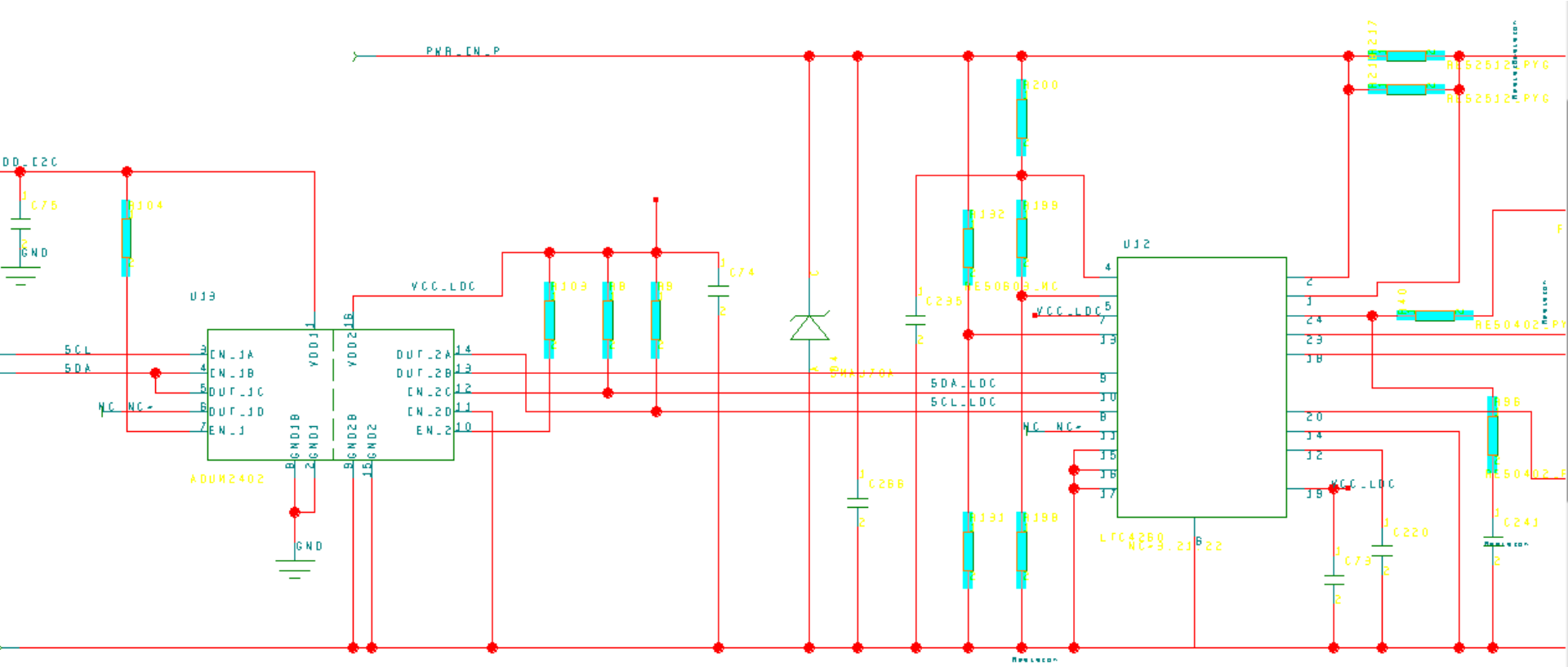

ADUM2402
iCoupler

LTC4260
Hot Swap
Controller

Power entry

DC/DC converter

Switching FET

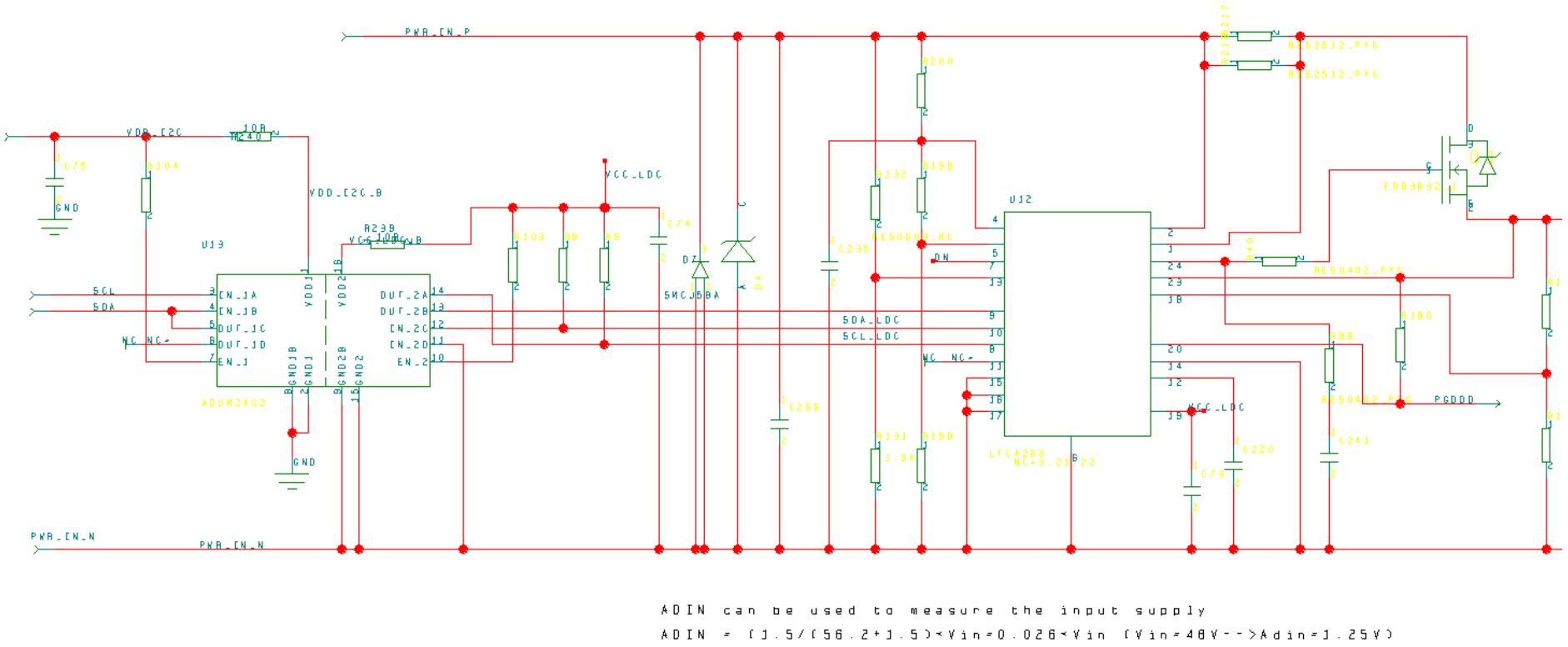

PWR_EN_P
VCC_LDC
5CL
5DA
NC NC
GND
ADUM2402
5DA_LDC
5CL_LDC
NC NC
VCC_LDC
GND
ADIN can be used to measure the input supply
ADIN = (1.5/(56.2+1.5))*Vin=0.026*Vin (Vin=48V-->Adin=1.25V)

# Problem

- Sensitive isolated power input.
  After a spike on the 48V power supply (e.g. hot unplug board) the hot-swap controller is blocked… board has no power.

- More measurements have been done….
- The spike on the input ripples through the HotSwap controller to the power of the ADUM2402 (iCoupler) which breaks the iCoupler and this in turn blocks the hot swap controller.
- By Replacing the ADUM the error is solved.
- For new release the schematic is adjusted..

# Solution for future



# Solutions

- 10E resistor on power supplies to iCoupler
- Elco on power supply iCoupler
- Extra zenerdiode on 48V input
- Extra diode on 48V input.