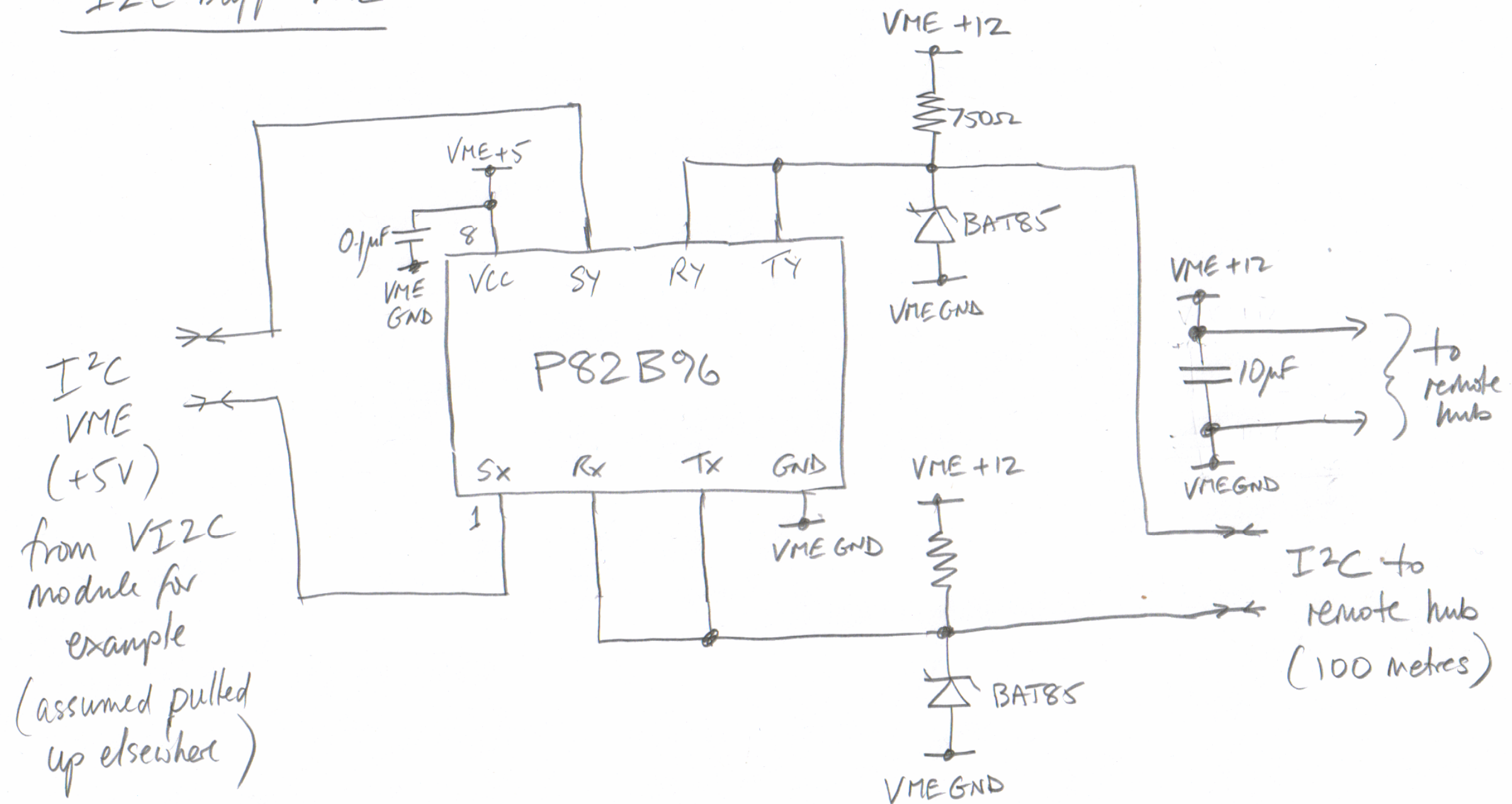
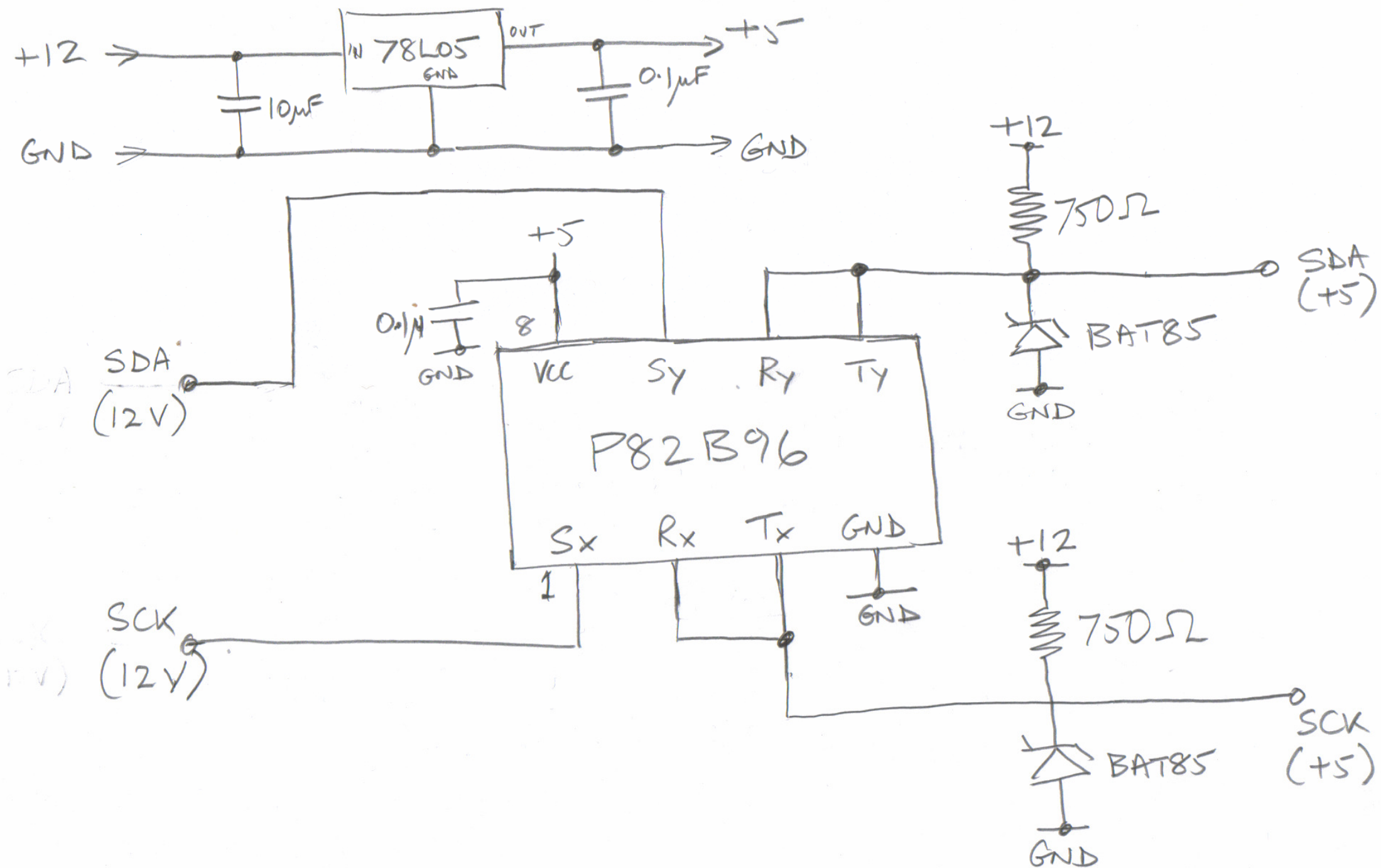


I2C buffer VME

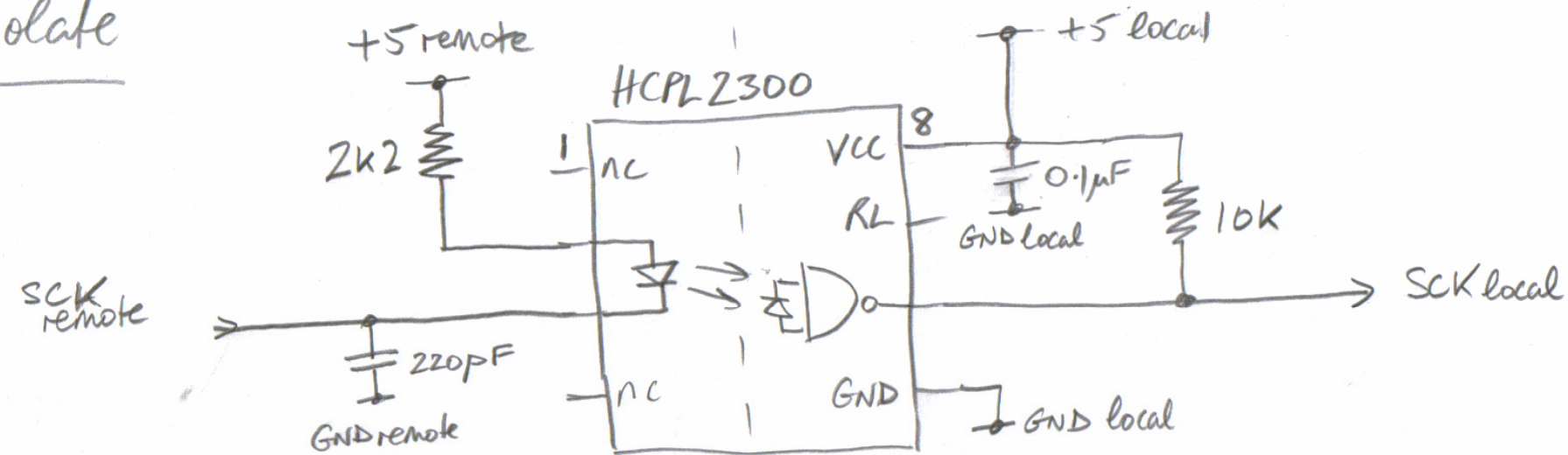


I²C buffer & 5 V regulator

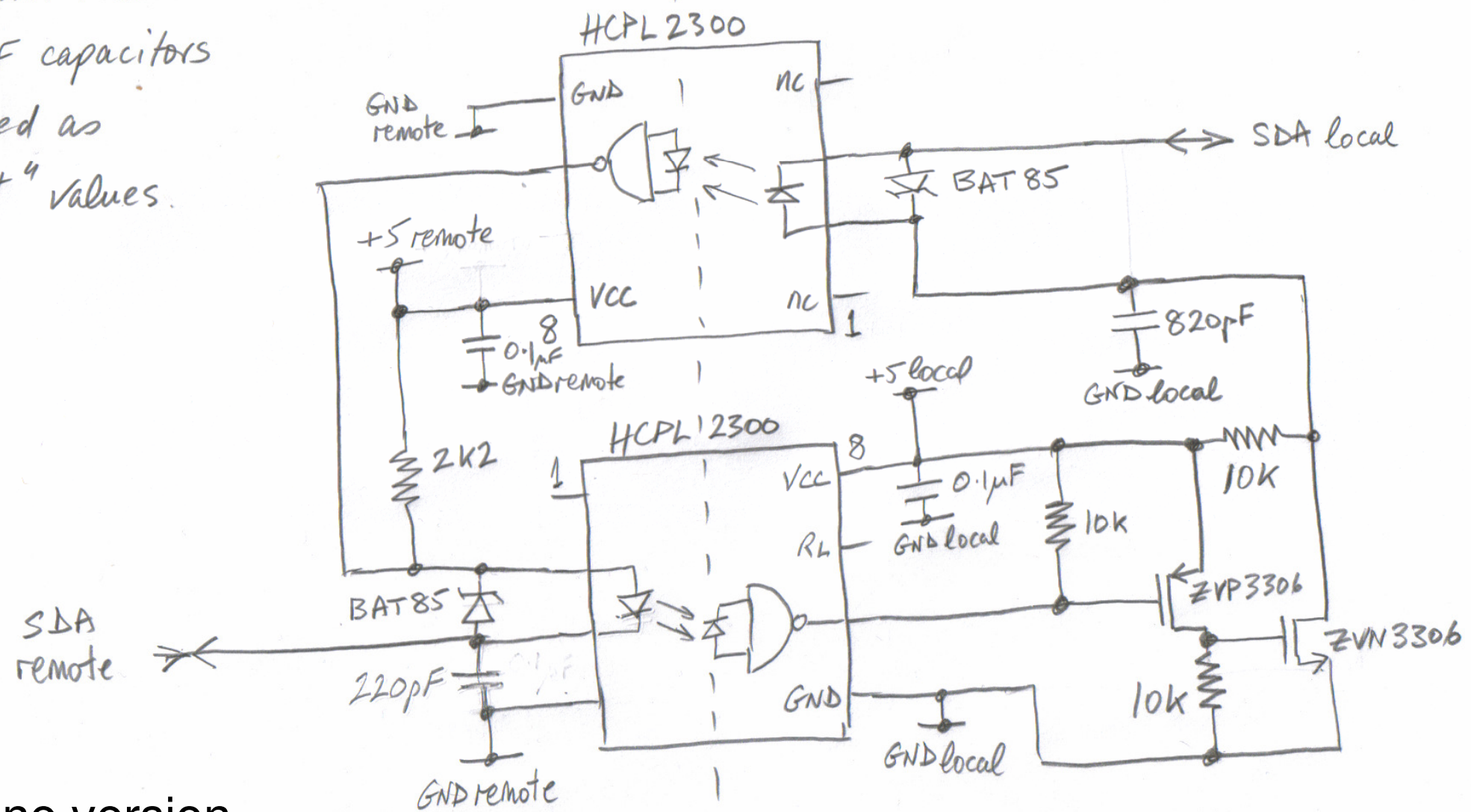


same as XY plane version

I2C opto-isolate

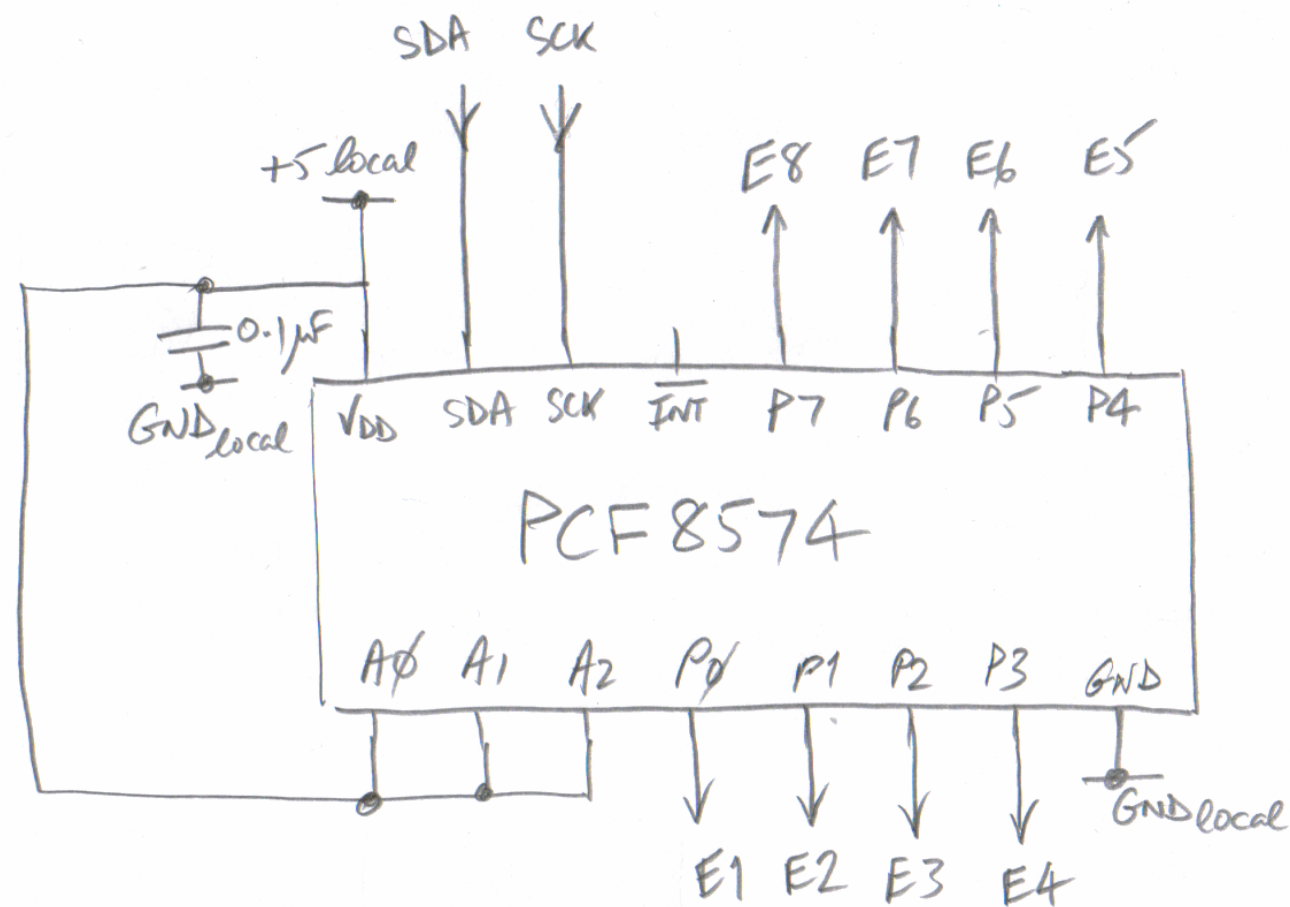


note: pull-up resistor values
and 220pF/820pF capacitors
should be regarded as
"select-on-test" values.



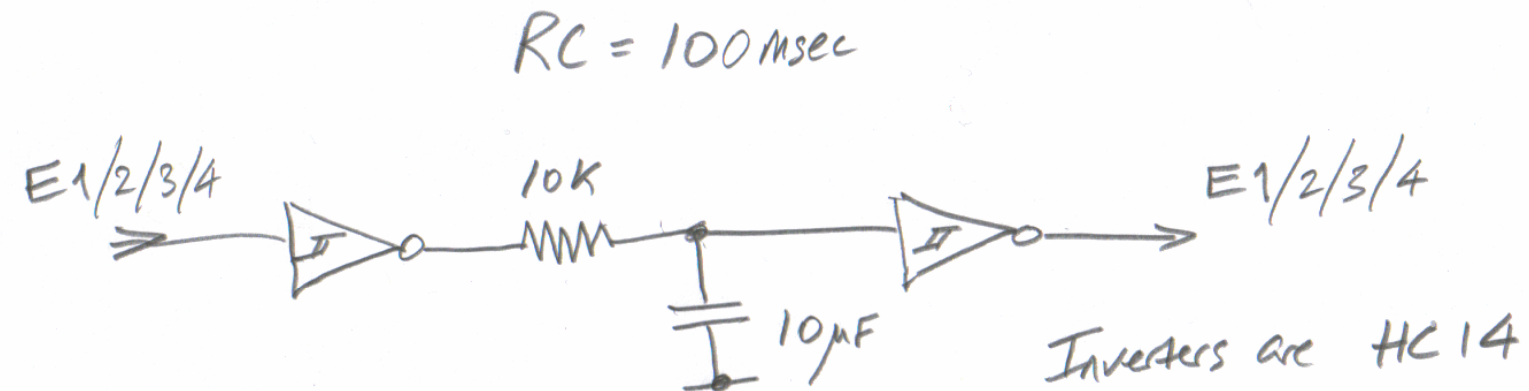
same as XY plane version

PCF8574 - hub version



Note: I²C address here $6\phi 1\phi\phi 111$ because PCF8574 (not PCF8574A)
(need to make sure this address different from PCF8574A in XY plane)

long delay

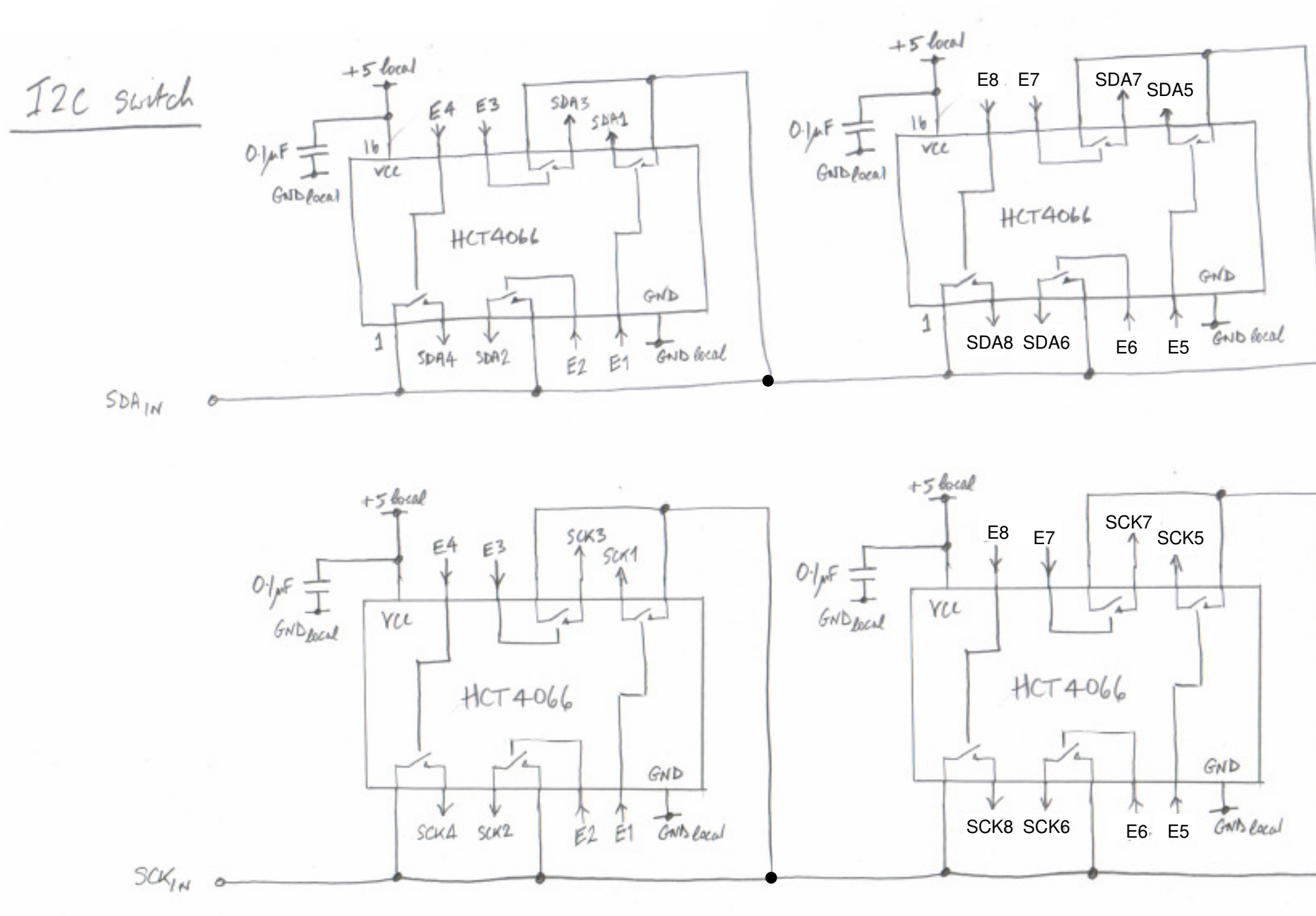


notes

- 1) Use as many delays as are necessary for the number of I^2C busses you want to switch (6 inverters/package)
- 2) RC time constant of 100 msec is very long (could be shorter)

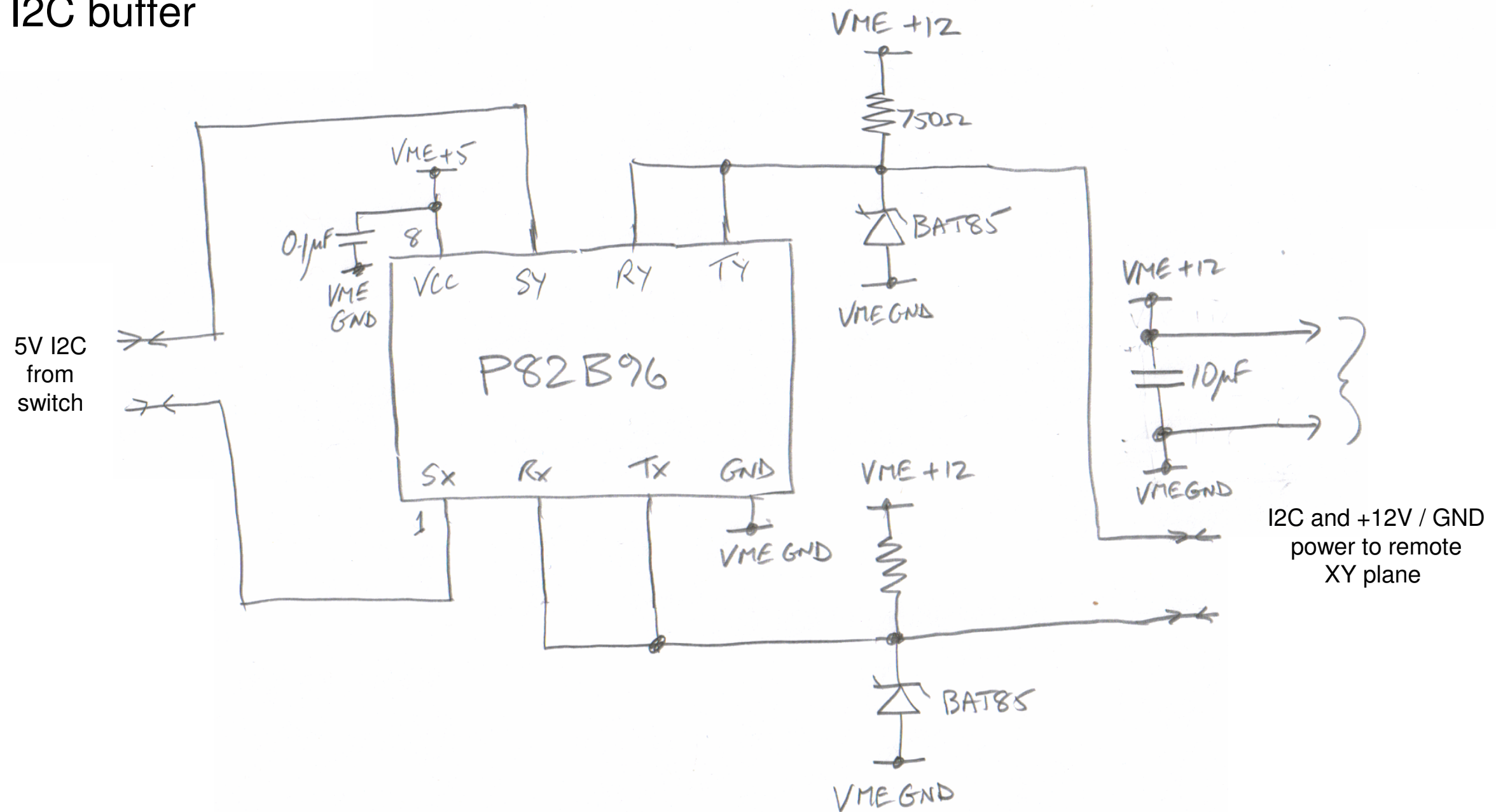
same as XY plane version
need up to eight of these for I2C hub

I2C switch - hub



2x the number of switches in XY plane - but same circuit

I2C buffer



The 12V power from the I2C hub is transmitted along with the I2C signals, to power the P82B96 and the opto-isolate stage in the XY plane