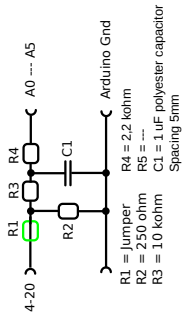
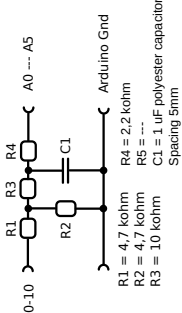


Arduino universal 12x input PCB inputs; 0-20mA, 4-20mA 0-10V, 24V pushbutton, 24V PNP and NPN sensors etc.
It is the best to build analog inputs to a separate PCB and digital (opto) inputs to another to get galvanic isolation.

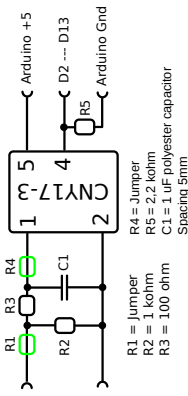
4-20mA 0-20mA analog input 1



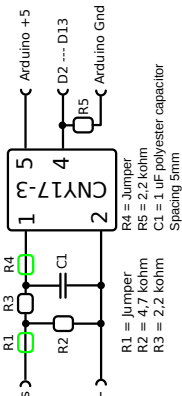
0-10V analog input 2



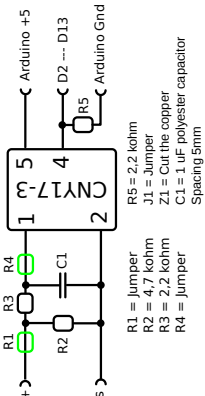
2-6V digital input 3



5-30V digital PNP input 4



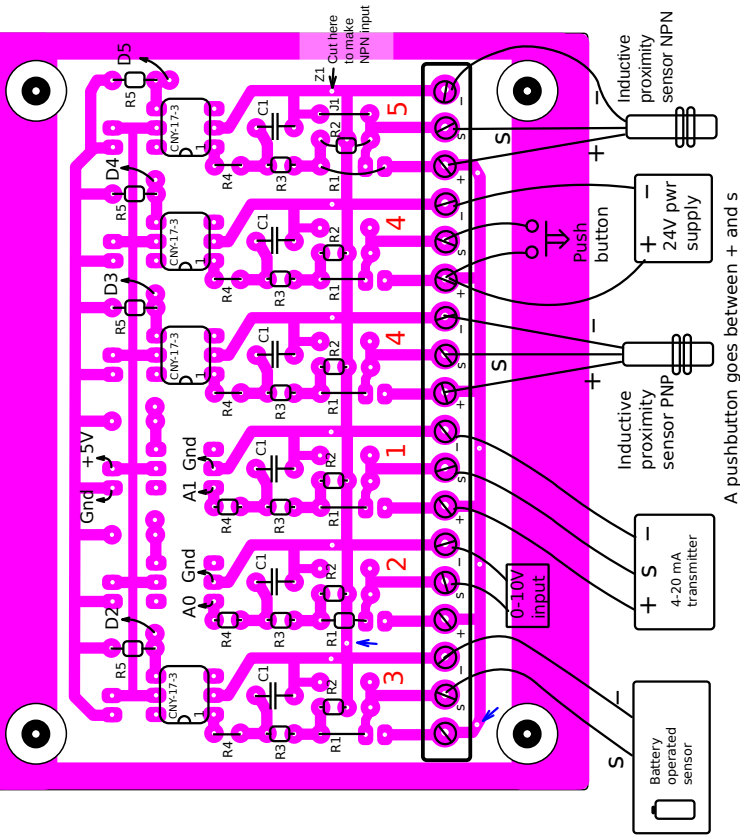
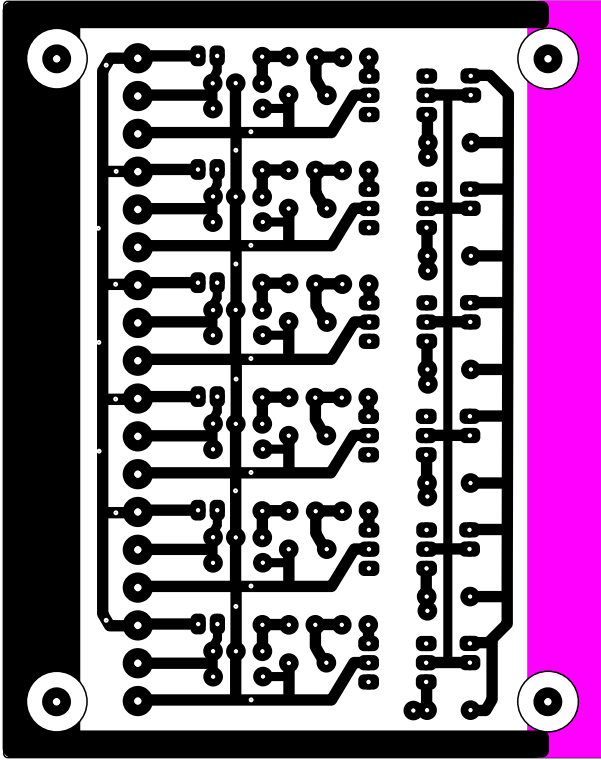
5-30V digital NPN input 5



R3 & C1 generates a RC low pass filter, alter as needed. R4 is to protect arduino inputs especially when connecting wires power on.

This drawing is produced with Inkscape program running on Ubuntu studio

Markus Mantala



This text must be readable on copper side

Cut the copper where pointed with arrows to get a potential free optoisolated input for a self-powered device.

Drilling Screw-connectors 1.5mm
Other components 0.6mm
PCB mounting holes 3mm

PCB size 160 x 100 mm