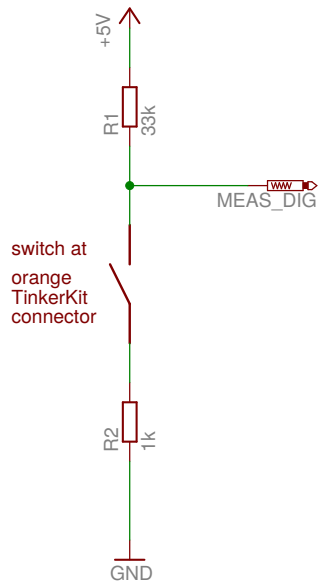


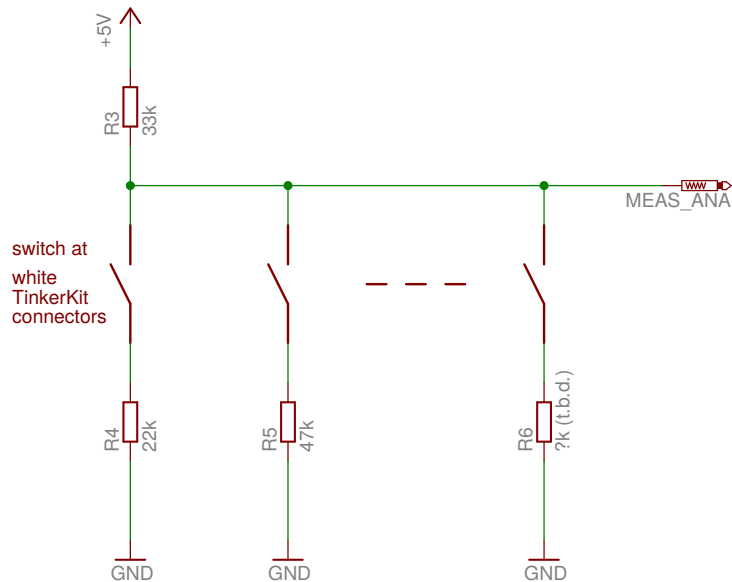
## Digital Input

at orange TinkerKit connectors



## Analogue Inputs

at white TinkerKit connectors



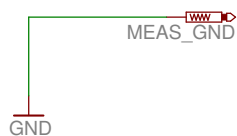
## Measurement

MEAS\_ANA is connected to an analogue input of the ATMEL ATmega32U4 micro controller. There is a 10 bit A/D converter in the background which results in a resolution from 0 to 1023.

A sophisticated combination of different voltage dividers gives the possibility to recognize which switches are pressed.

Even a combination of several switches can be detected.

The other measurement point of the ATMEL micro controller is connected to GND internally.



Esplora Gaming Controller  
Concept of TinkerKit switches wiring

TinkerKit-concept

04.02.19 21:09

Sheet: 1/1