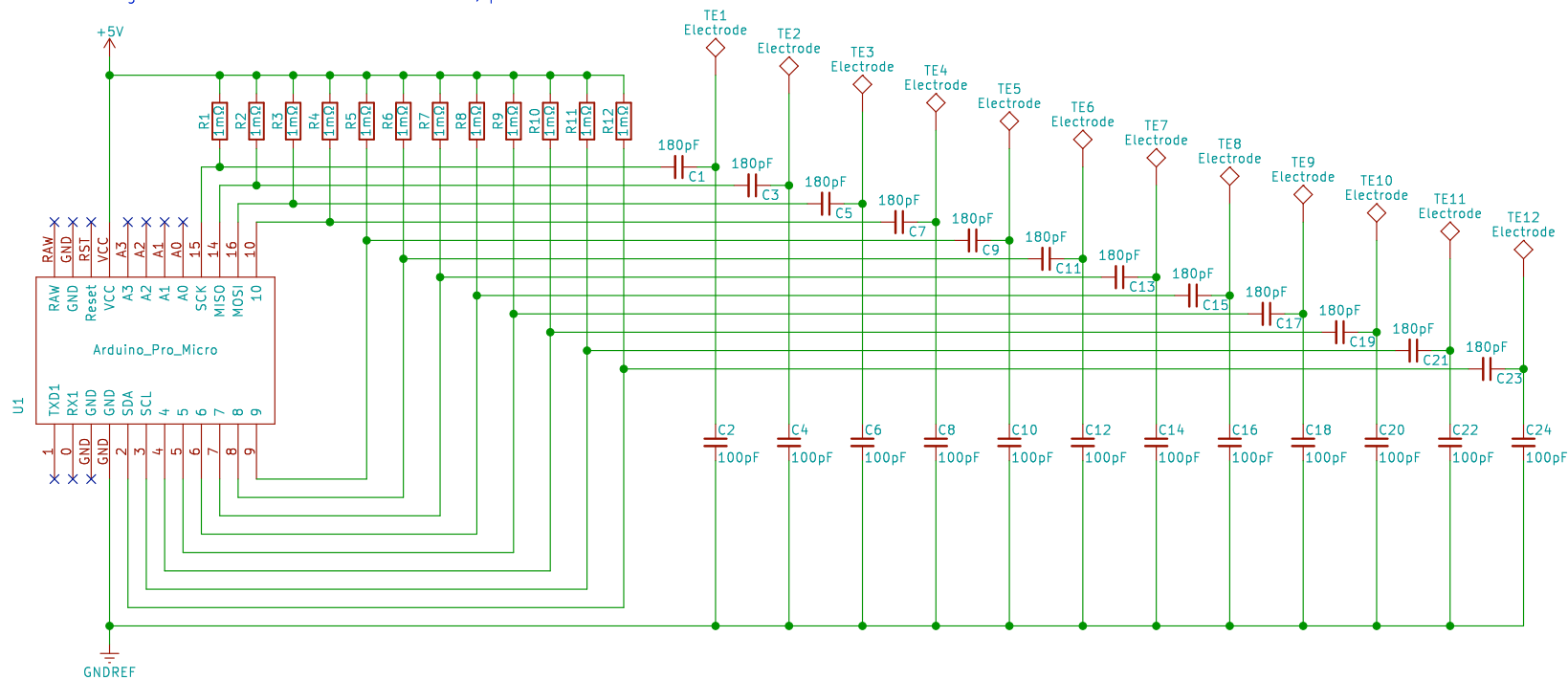


Change resistors R1 .. R12 to increase sensitivity.  
 Higher values equal higher sense distance.  
 100k $\Omega$  .. 1m $\Omega$  = measure physical touch  
 1m $\Omega$  .. 10m $\Omega$  = touchless sensing up to 10cm away  
 10m $\Omega$  .. 50m $\Omega$  = touchless sensing up to 30cm away  
 Higher values make the sensors act slower, possible timeout!



by Frederik Brückner

**FH Aachen, FB Gestaltung, Physical Computing Labor**

Sheet: /

File: DIY\_Capacitive\_Touch.sch

**Title: Arduino Pro Micro simple capacitive touch shield**

Size: A4 Date: 2018-01-12

KiCad E.D.A. kicad 4.0.6

Rev: 1

Id: 1/1