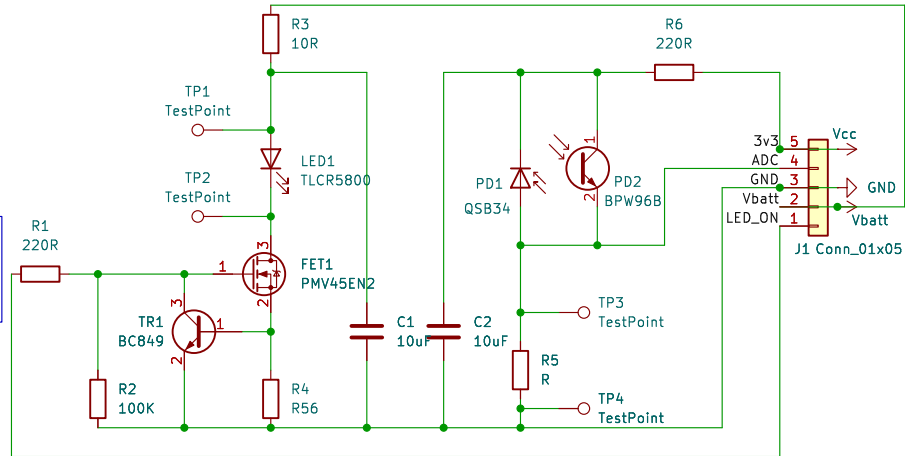


The RP2040 GPIO pins can support a max of 50mA TOTAL. RP2040 runs at 3.3v  
Each pin should not draw more than 16mA  
 $3.3/0.016 = 206$   
Let's go higher and say 220R



#### Design of a simple generic sensor board for SMD or THT Photo Diodes

Sheet: /

File: MouseSMDSensorBoard.kicad\_sch

#### Title: Mouse SMD Sensor Board

Size: A4

Date: 2024-12-19

Rev: 1.0

KiCad E.D.A. 8.0.8

Id: 1/1