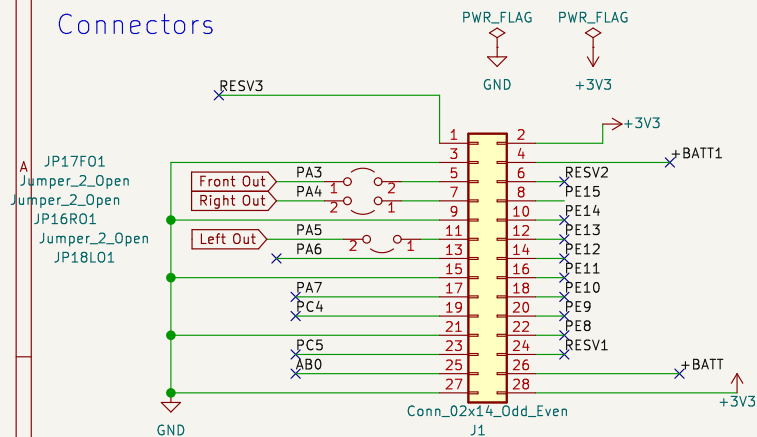


Connectors



IR Emmitters

The Emmitters+ Photodiodes complete the sesnor circuit
The IR Emmitters emmit light at 940nm wavelength
Optimal and exactly matched with the photodiode sesnitivity

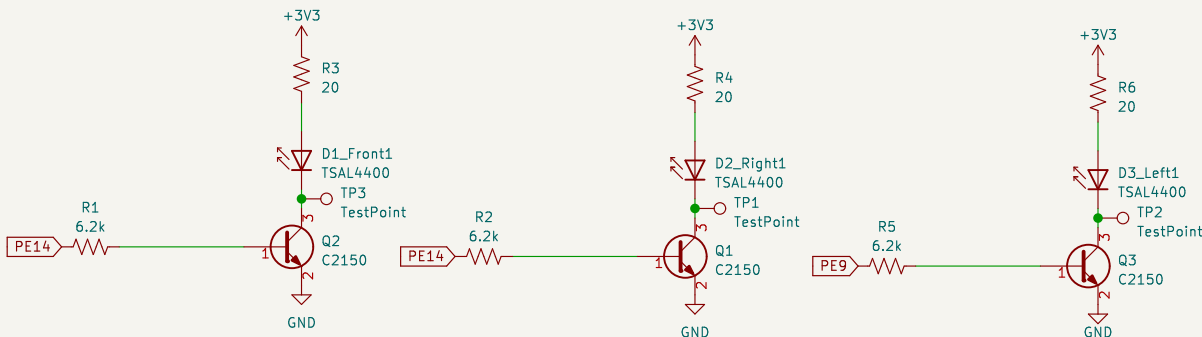
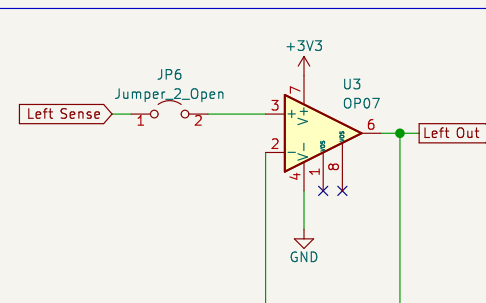
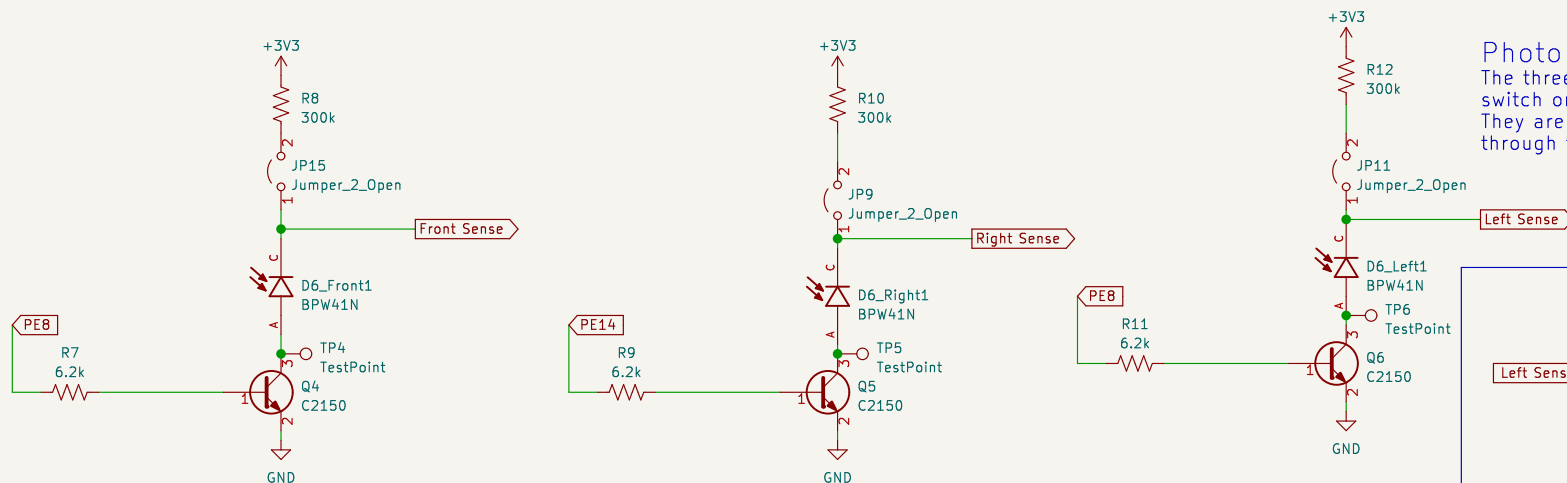
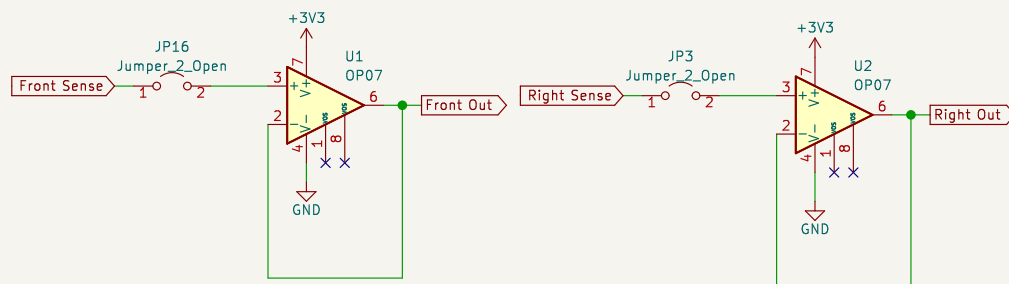


Photo diodes

The three photodiodes for Front, Left and Right
switch on and off to save power
They are in sync with the IR Emmitters
through the BJTs.



Sensor Outputs



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Sheet:
File: MicroMouse Sensor .kicad_sch

Title: Micro Mouse Sensor

Size: A4 Date: 2024-05-10

KiCad E.D.A. kicad (7.0.0-0)

Rev: v5.0

Id: 1/1