

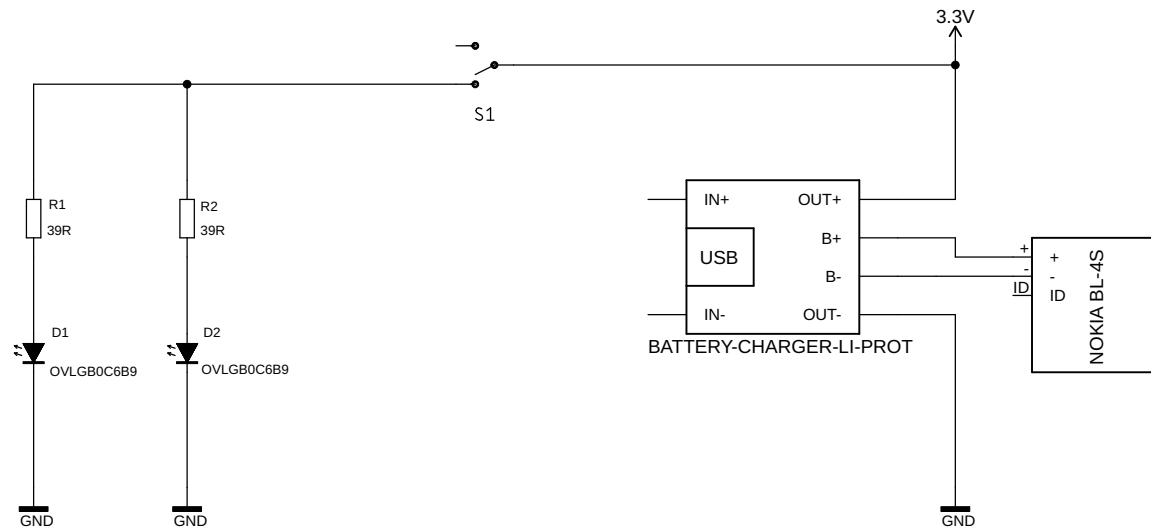
Micromouse Timer Gate Emitter

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<https://github.com/micromouseonline/micromouse-timer>

S1 is a small slide switch sized to fit inside the wall.
surfacemount types are suitable here. Use anything
that will fit.

Battery management is provided by an
ebay module holding a TP4056 charger
along with a discharge protection circuit.



The start gate uses two sensors, one across the posts and one
about 2/3 of the way back into the cell.

Goal gates use only one sensor placed across the posts.

The post sensor is D1/R1

If the other sensor is not used, omit both R2 and D2

OVLGB0C6B9 is a high intensity, narrow beam blue 5mm LED.

The battery can be any LiPo or Lilon
single cell type that will fit.

The Nokia BL-4S has a capacity of 860mA
and is a perfect size to fit inside a classic wall.

Circuit power consumption is a few tens of mA
at idle.

gate-emitter

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