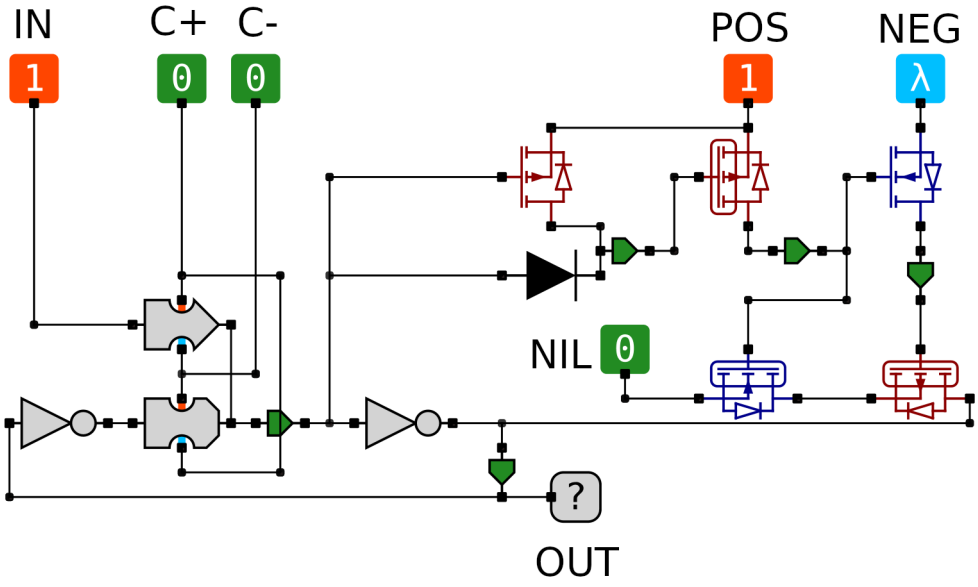
Trigger PCB specification

Trigger is a fundametal memory cell that stores one trit of information. The main idea was to stabilize two consequent STIs. As a result about 72% of a circuit is exploit just for the sake of pure stabilization, not data storing.



Pins description

IN - data input

OUT - data output

C+ - positive control signal

C- - negative control signal

POS, NEG, NIL - power supply, +1.5V, 0.0V and -1.5V respectively

Designed behaviour

“OUT” pin always contains inverted trigger data, during memorization is unstable.

“C+” and “C-” should be opposite to each other, otherwise behaviour unspecified

Let C = “C+” = STI(“C-”)

1) C = 1 => “IN” is being memorized
2) otherwise => nothing happens, trigger stores data

PCB layout