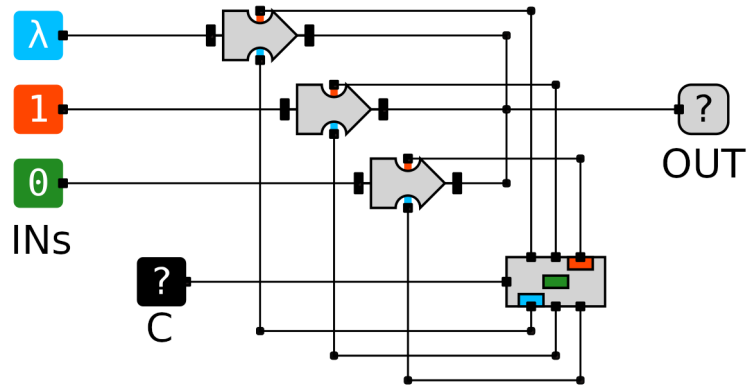


MUX PCB specification

MUX = Multiplexer is a basic element of almost all data path circuits. In fact, only with the help of the MUX it is possible to build if-else codepaths in hardware. Thus, MUX makes computer 'decisive'.



Pins description

INs - input signals to select from (dimension: trytes)

OUT - output signal selected from “INs” (dimension: tryte)

C - control signal - selector (dimension: trit)

Designed behaviour

Each “IN” tryte corresponds to a single value of selector trit. The aim of MUX is to transfer one of the “INs” to “OUT”. Selector “C” chooses, which “IN” to transfer. Note that “OUT” signal may be weak and require amplification by STI.

PCB layout

