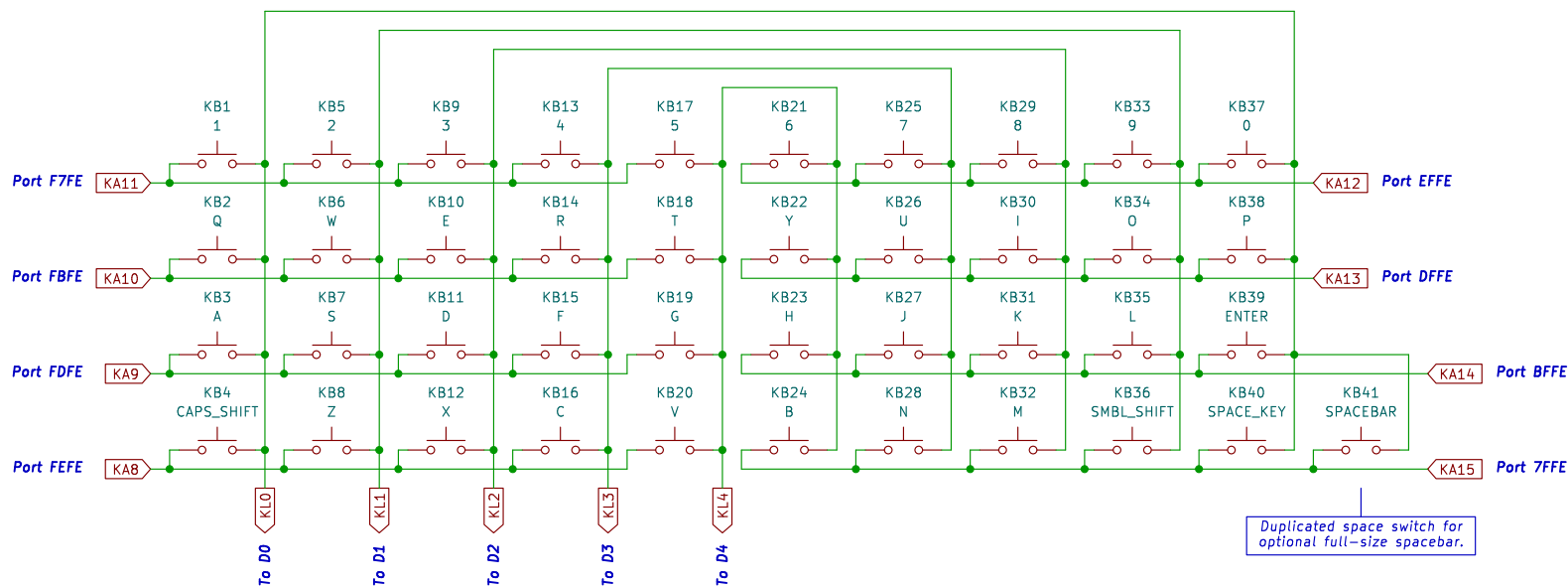
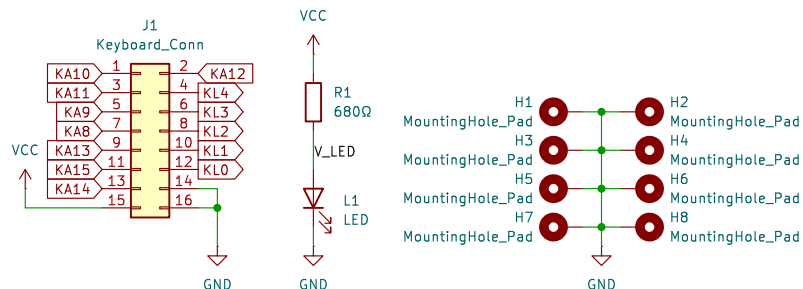




Keyboard

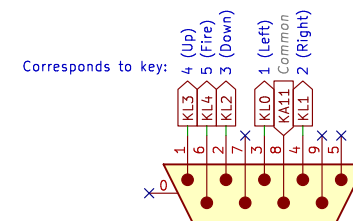


Duplicated space switch for optional full-size spacebar.

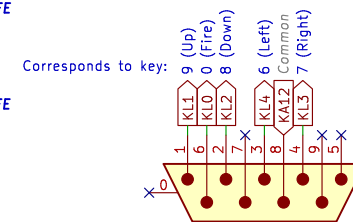


Sinclair Joystick Interface

Joystick 1 (Port F7FE)
(Atari Compatible)



Joystick 2 (Port EFEE)
(Atari Compatible)



Note that since pin 8 (normally connected to GND) is connected to an address line, it cannot be used alongside pin 7 (normally VCC) to supply power to turbo joysticks.

The keyboards for the Leningrad-M and my Leningrad-1 replica are cross-compatible. However, the Leningrad-M keyboard won't stack on top of the Leningrad-1 (and vice versa), as the PCBs are a different size.

Alex J. Lowry (alex-j-lowry.github.io)

Sheet: /

File: Leningrad-1-Keyboard.kicad_sch

Title: Leningrad-M (48K ZX Spectrum Clone) - Keyboard

Size: A4 Date: 2025-03-20

KiCad E.D.A. 9.0.0

Rev: 0

Id: 1/1