Fake Kishsaver 3d Printed Mechanical Keyboard

f **fuck**

VIEW IN BROWSER

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Summary

3D printed keyboard in the style of IBM Kishsaver

Gadgets > Computers

Tags: ibm keyboard mechanical mechanicalkeyboard mechanicalkeyboards

A mechanical keyboard case imitating the appearance of an IBM Kishsaver keyboard. Features a 5 degree typing angle and tofu68 style layout.

This model requires you to print tall for the case - make sure your Z-steps are calibrated correctly. No support material is required. Assembling this keyboard is mildly frustrating.

Required hardware

- 8x 10mm M3 bolt and nut
- USB-C breakout board and some kind of adhesive e.g. CA glue
- EC11 rotary encoder
- atmega 32u4 breakout e.g. Teensy2.0
- the usual handwire stuff - diodes etc...

When assembling and disassembling, you will need to keep the case inverted so that the hex nuts stay in their holes.

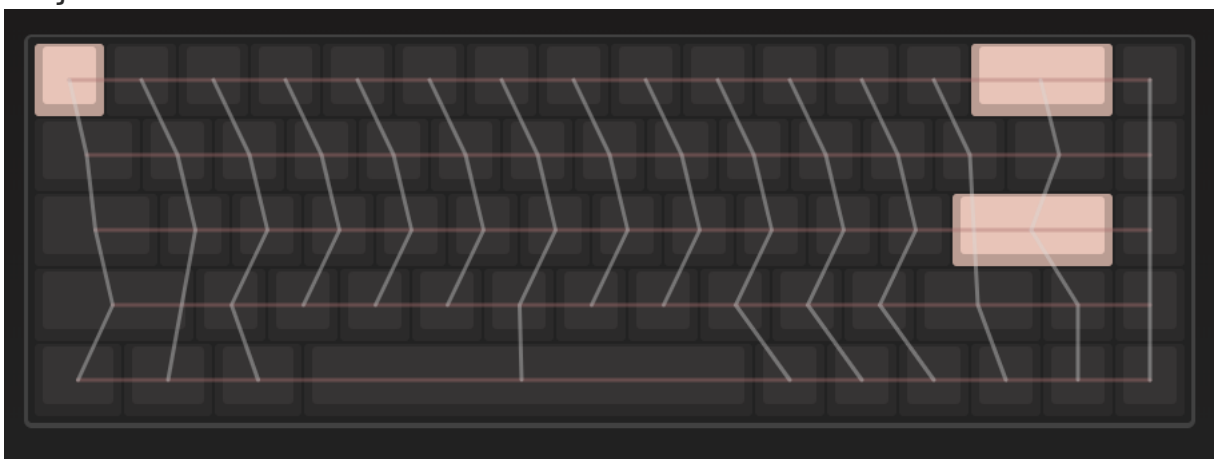
QMK firmware

- sick68 firmware ported to Vial with rotary encoder support - https://github.com/xia0/vial-qmk/releases/tag/v1.0

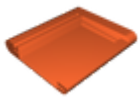
Handwiring

- Wire as you would a normal sick68. Rotary encoder A and B are on pins F1 and F0.
- Snippets from firmware below:

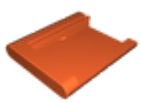
#define MATRIX_ROW_PINS \ { D3, D2, D1, D0, D4 } #define MATRIX_COL_PINS \ { C6, D7, E6, B4, B5, B0, D5, B6, B2, B3, B1, F7, F6, F5, F4 }#define ENCODERS_PAD_A { F0 } #define ENCODERS_PAD_B { F1 }



Model files



case-right.stl

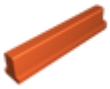


case-left.stl

plate-left.stl

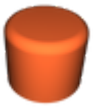
plate-mid.stl

plate-right.stl



pen-holder-right.stl

pen-holder-left.stl



knob.stl

dickshaver-v44.f3d

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