

Click Click Clackitty Click

A basic guide to (weird) keyboards

Daniel Galán y Martins (he/him)

Fig. 5.

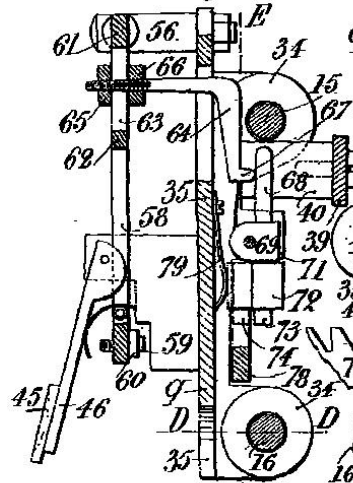


Fig. 4.

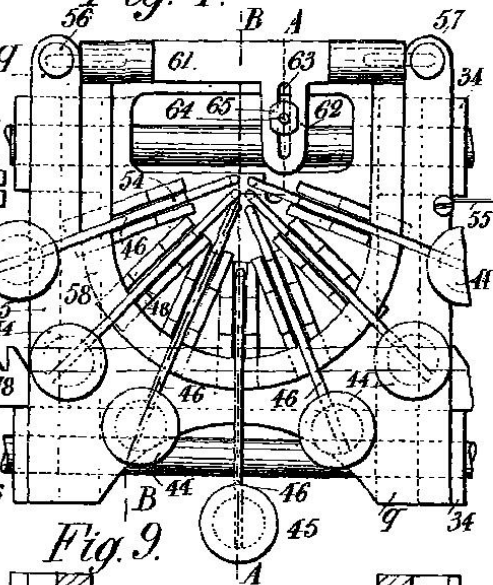


Fig. 7.

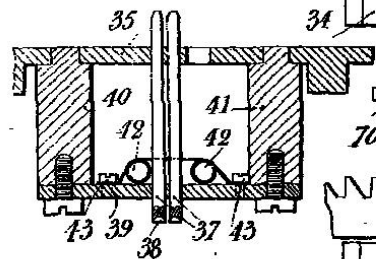
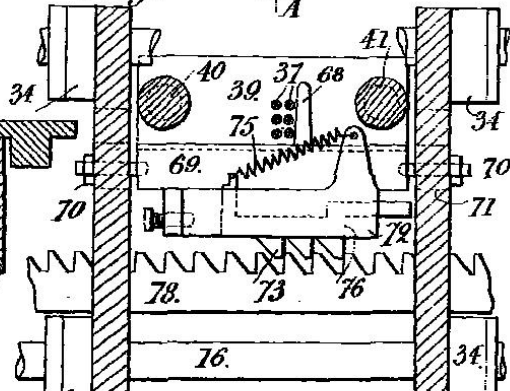


Fig. 9.



History





The First Printing Press.

1864



maschinenmodell

model
hofer, Partschins (Südtirol), 1864



1873





2 3 4 5 6 7 8 9 - = ' "

Q W E R T Y U I O P : ;

~ A S D F G H J K L M _

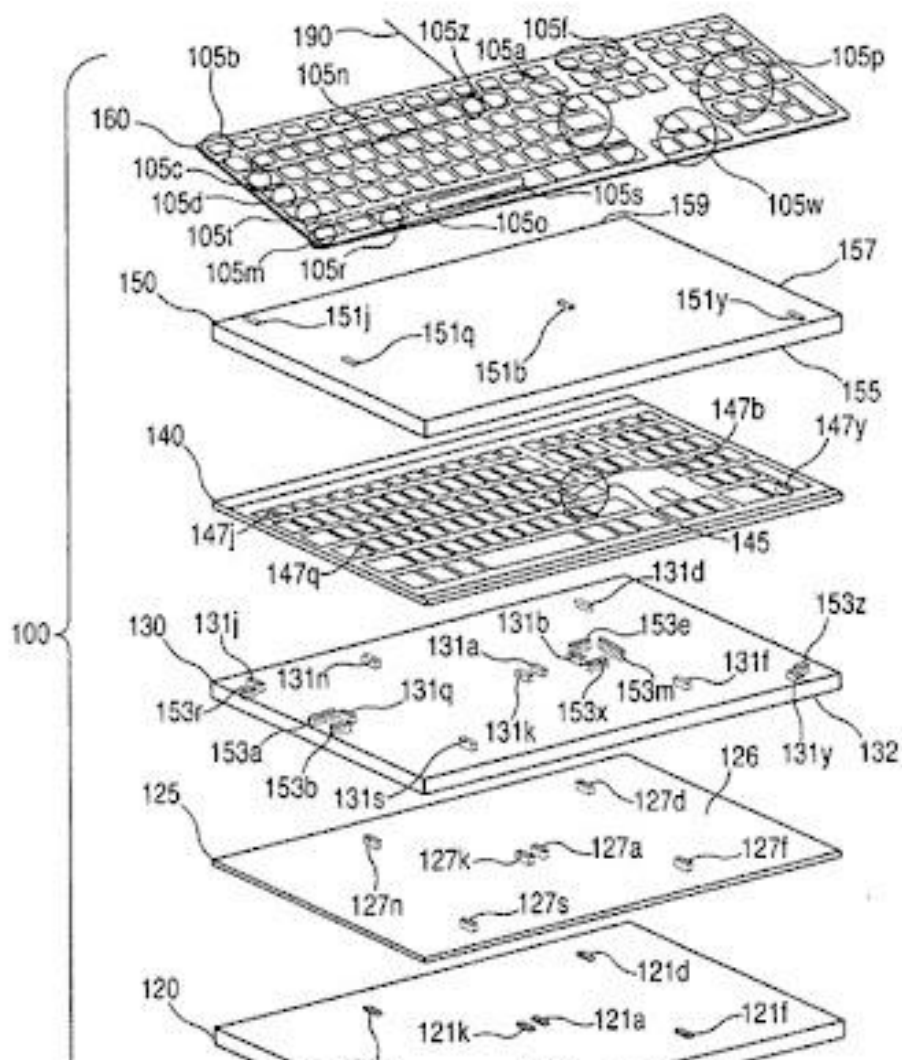
& Z C X V B N ? : . !

IBM Selectric (1961)



IBM Model M





Form Factors

Full Size



Tenkeyless (TKL)



75%



65%



60%



40%



Ortholinear



Row Stagger



Ortholinear

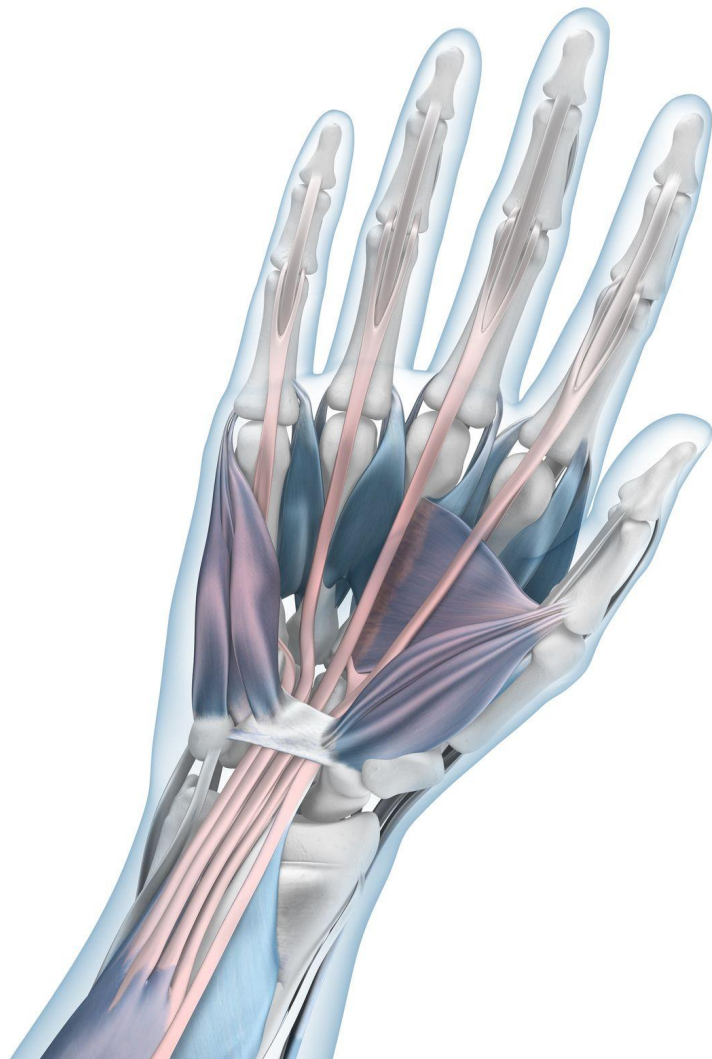


Ortholinear



Split Ortho





RSI-Syndrom



Flexion



Extension



Radial
Deviation



Ulnar

Deviation



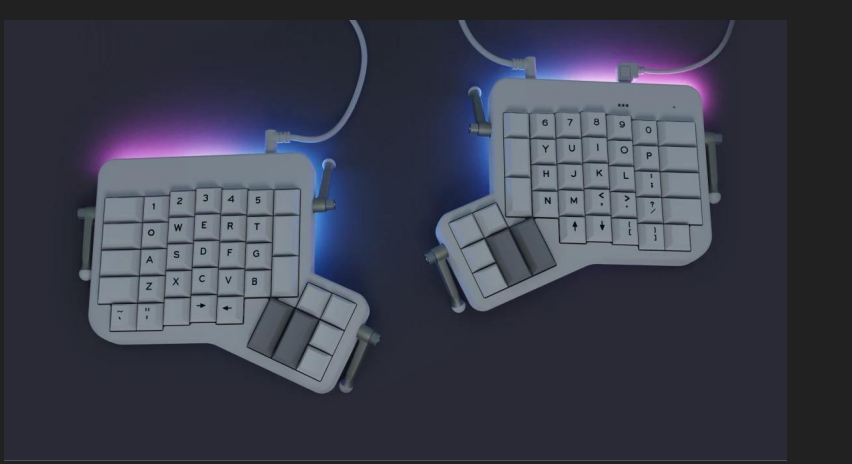
Pronation

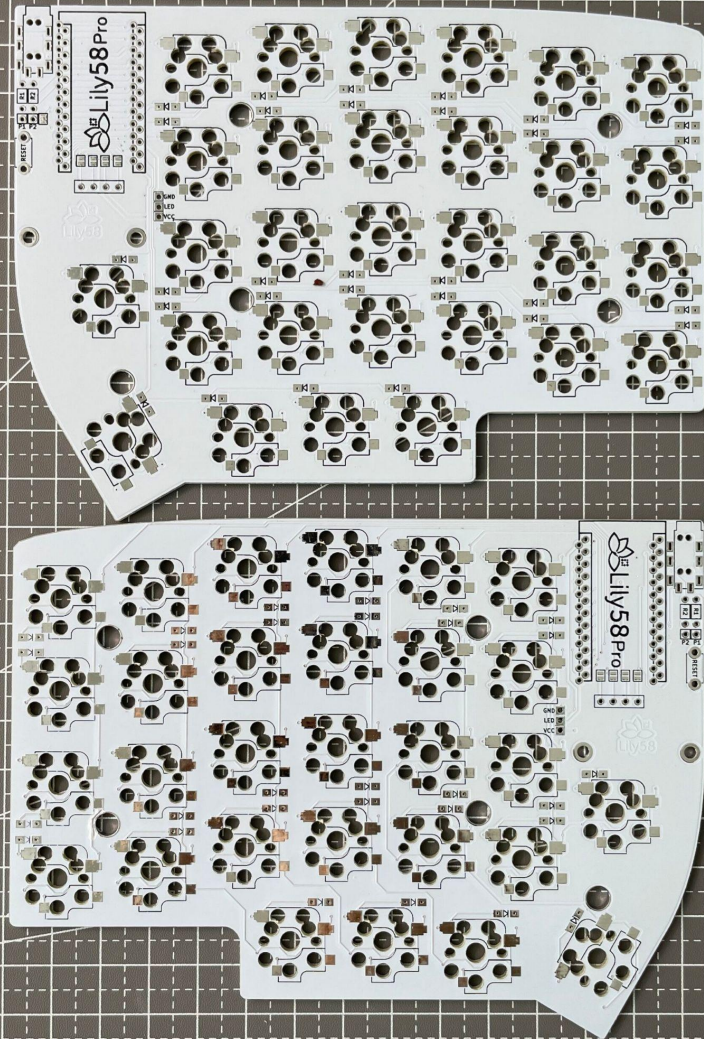


Supination

Column Stagger







Building

Shops

Ergodox: <https://ergodox-ez.com>

ZSA Moonlander: <https://www.zsa.io/moonlander/>

GergoPlex: <https://www.gboards.ca/product/gergoplex>

Keebordio: <https://shop.keyboard.io/>

Iris & BDN9: <https://keeb.io/>

Plank: <https://ergodox-ez.com/pages/planck>

Prionic: <https://drop.com/buy/preonic-mechanical-keyboard>

<https://keeb.io/> (iris)

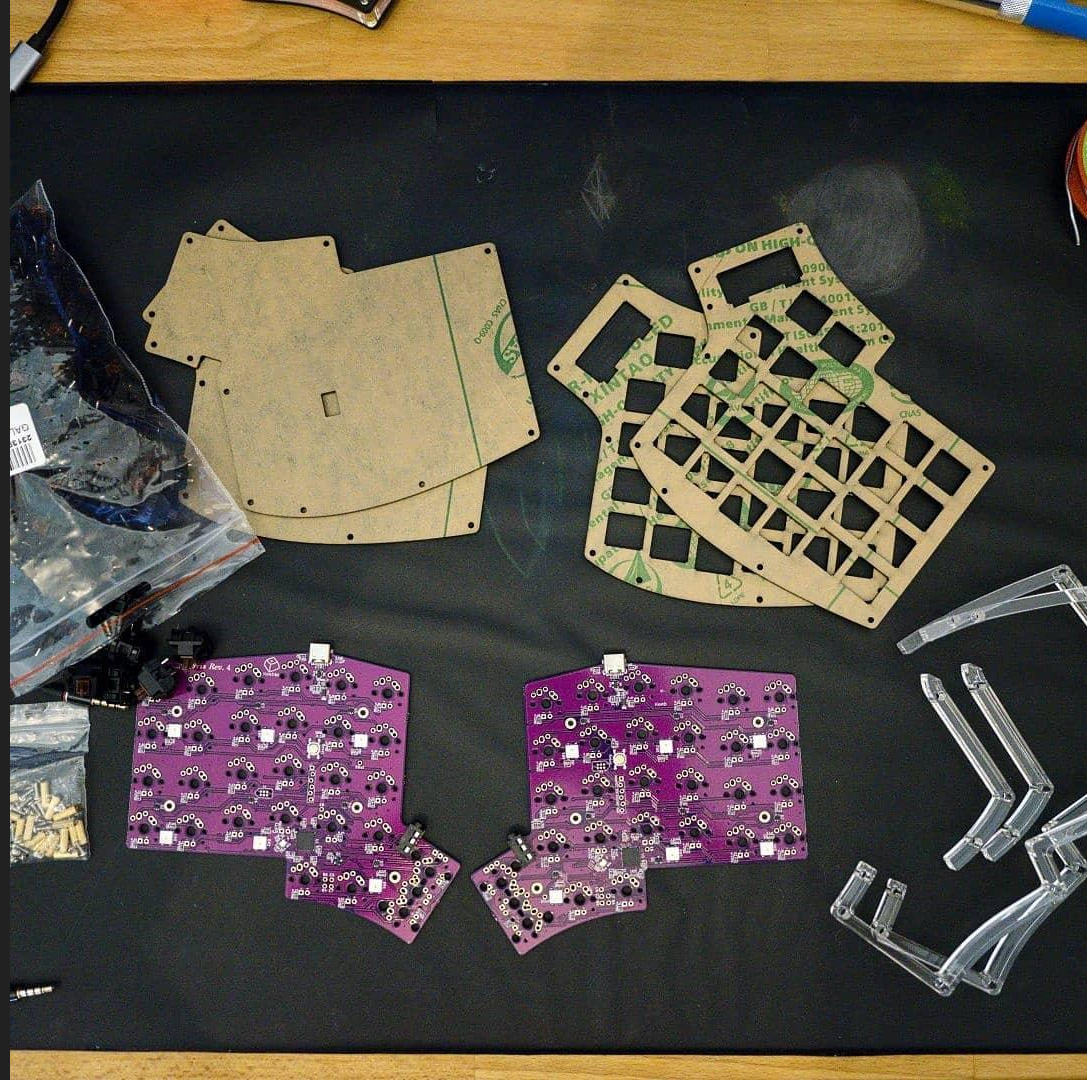
<https://www.wasdkeyboards.com/>

<https://candykeys.com/>

<https://kbdfans.com/>

<https://drop.com/top-list/Mechanical-Keyboards/type--Custom-Layout>





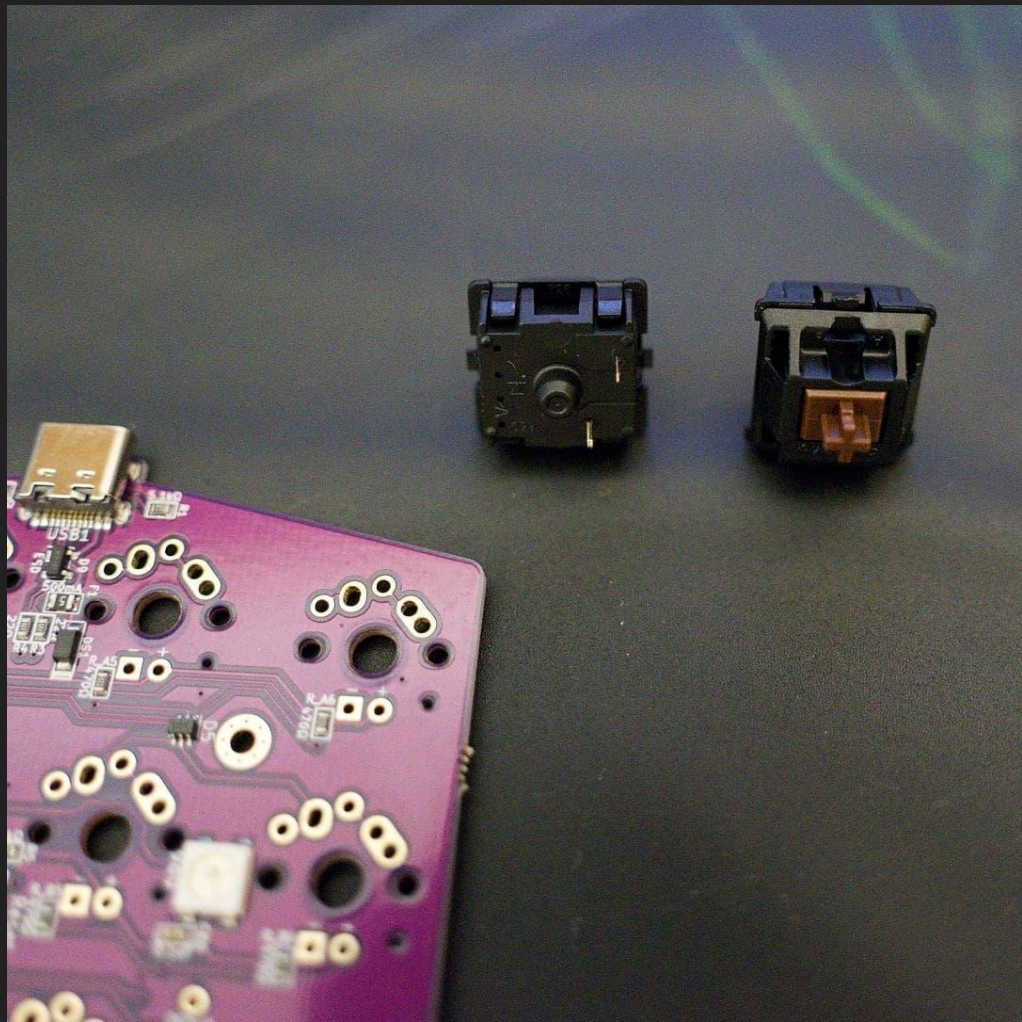
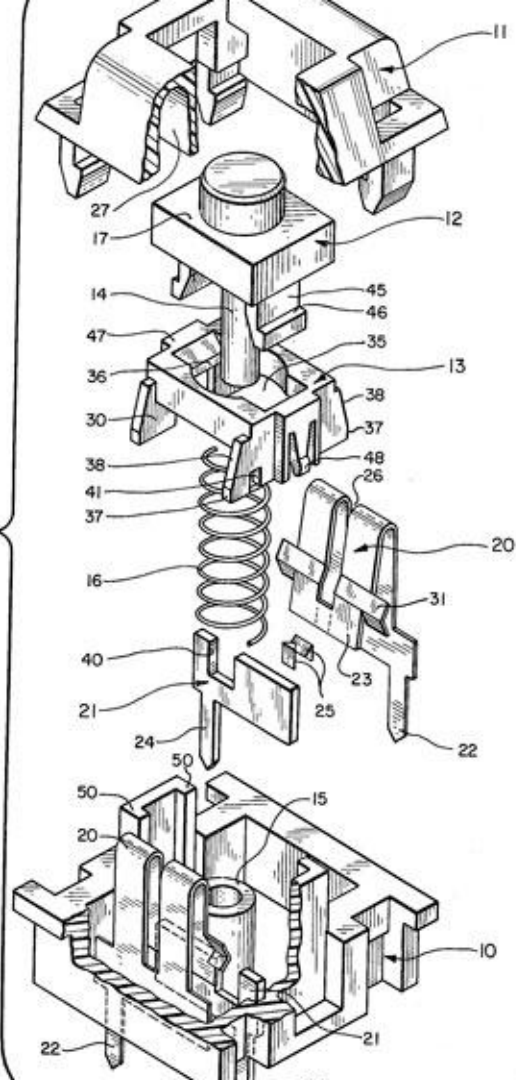
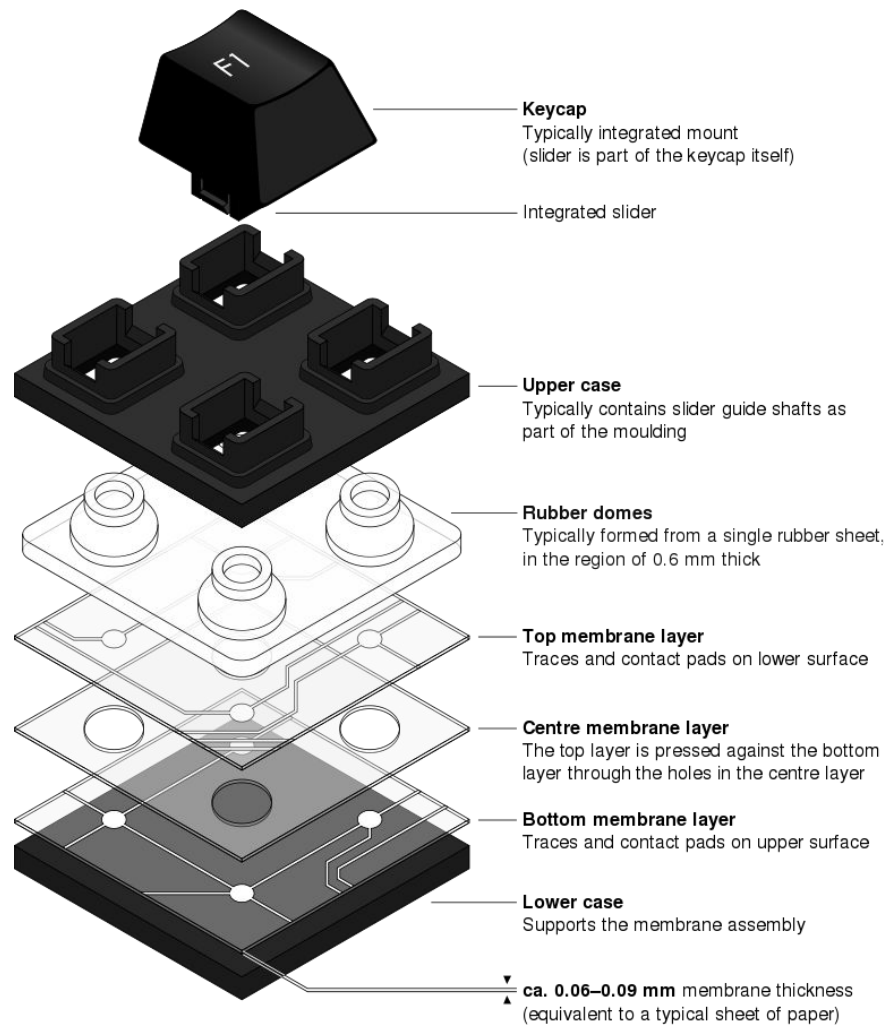
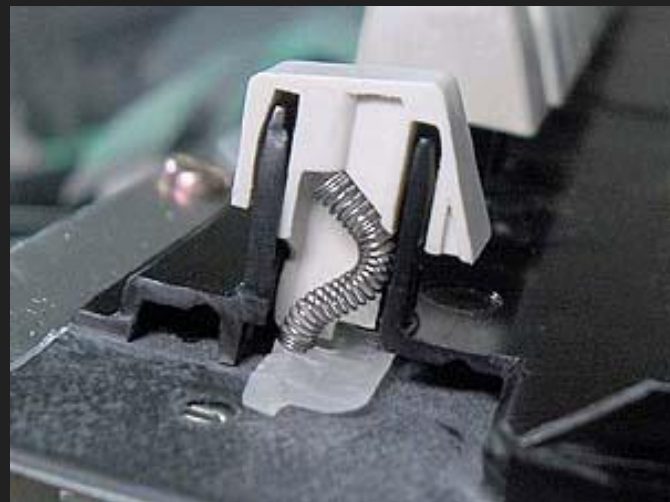
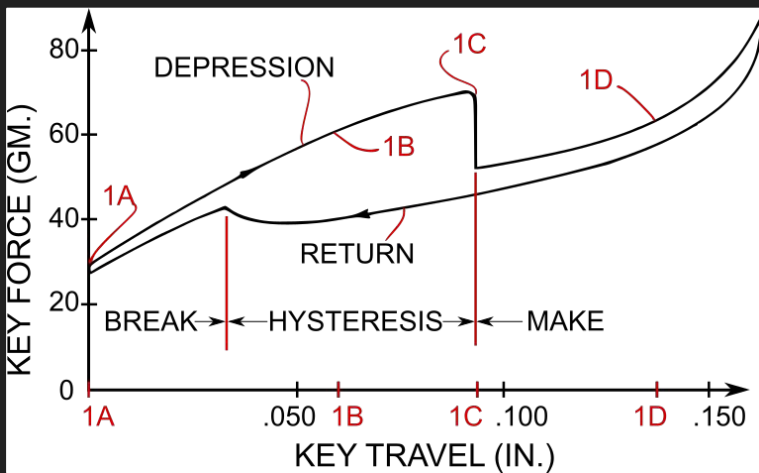
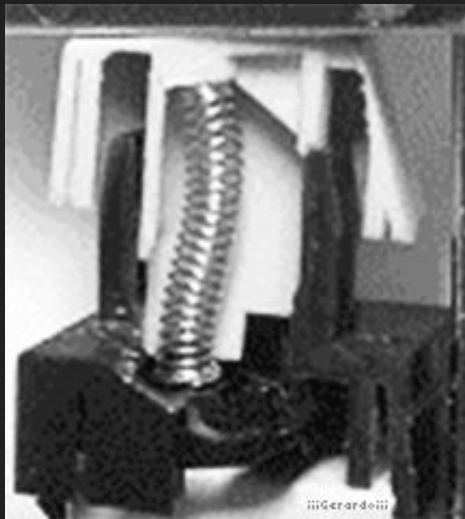


FIG. 1



Switches







MX Switch Comparison

Stem



MX Brown



MX Red



MX Blue

Feel/Feedback

Tactile (Low)

Linear

Tactile (High)

Sound

Quiet

Quiet

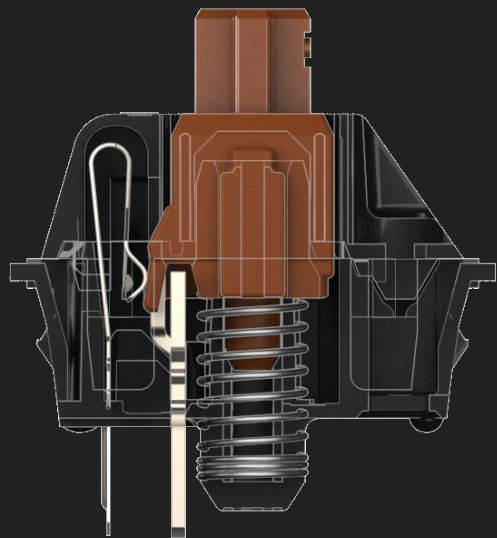
Loud Click

Activation Force

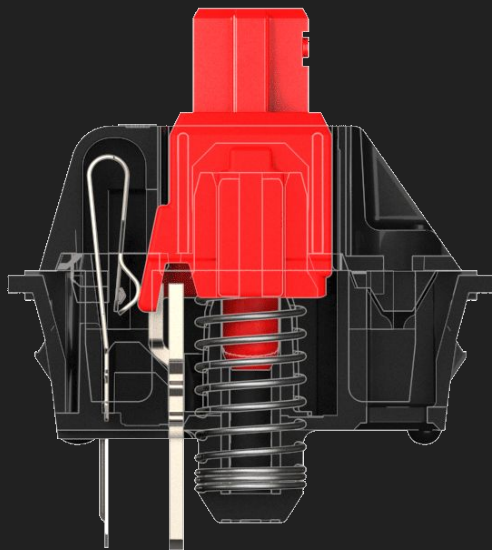
45cN

45cN

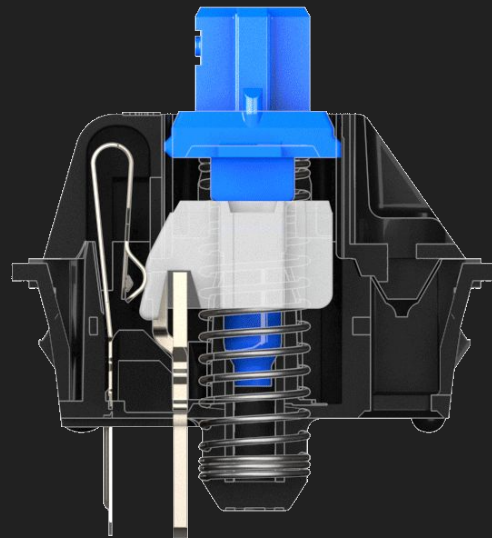
50cN



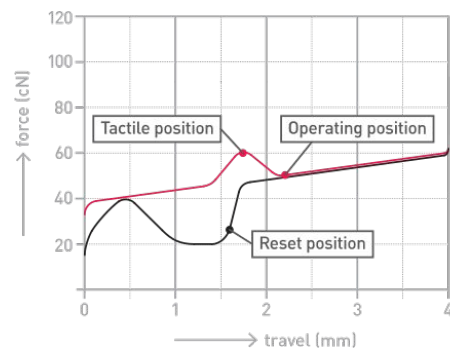
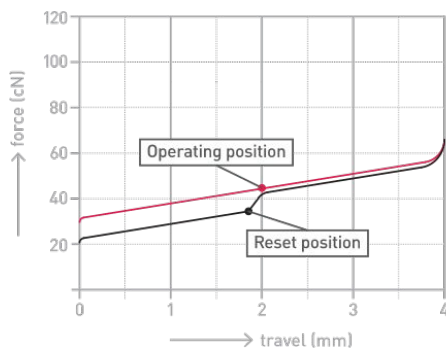
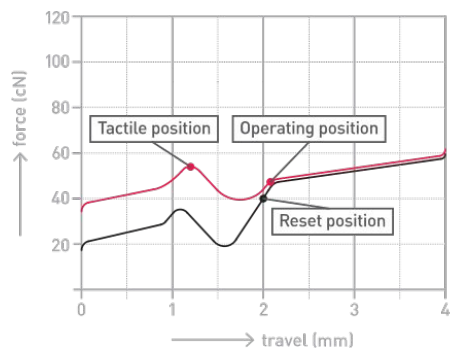
CHERRY



CHERRY



CHERRY



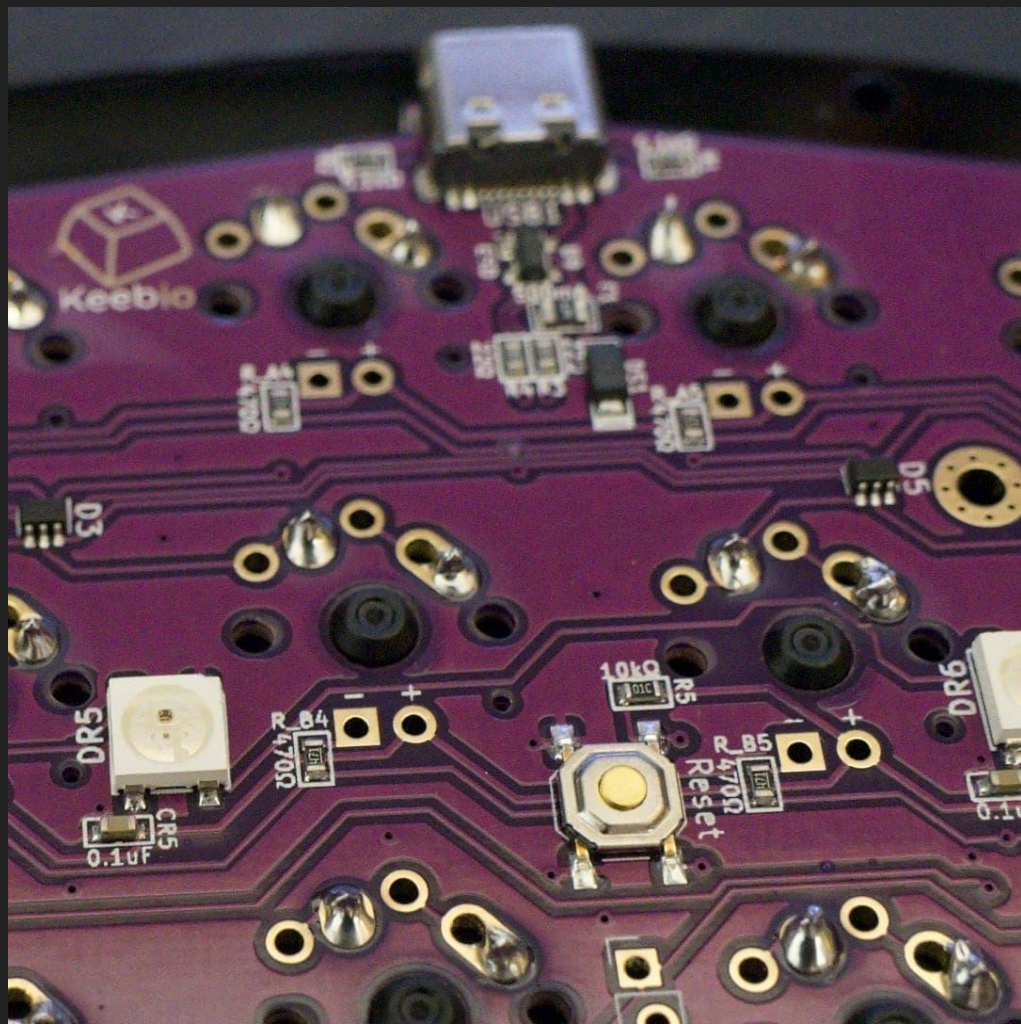
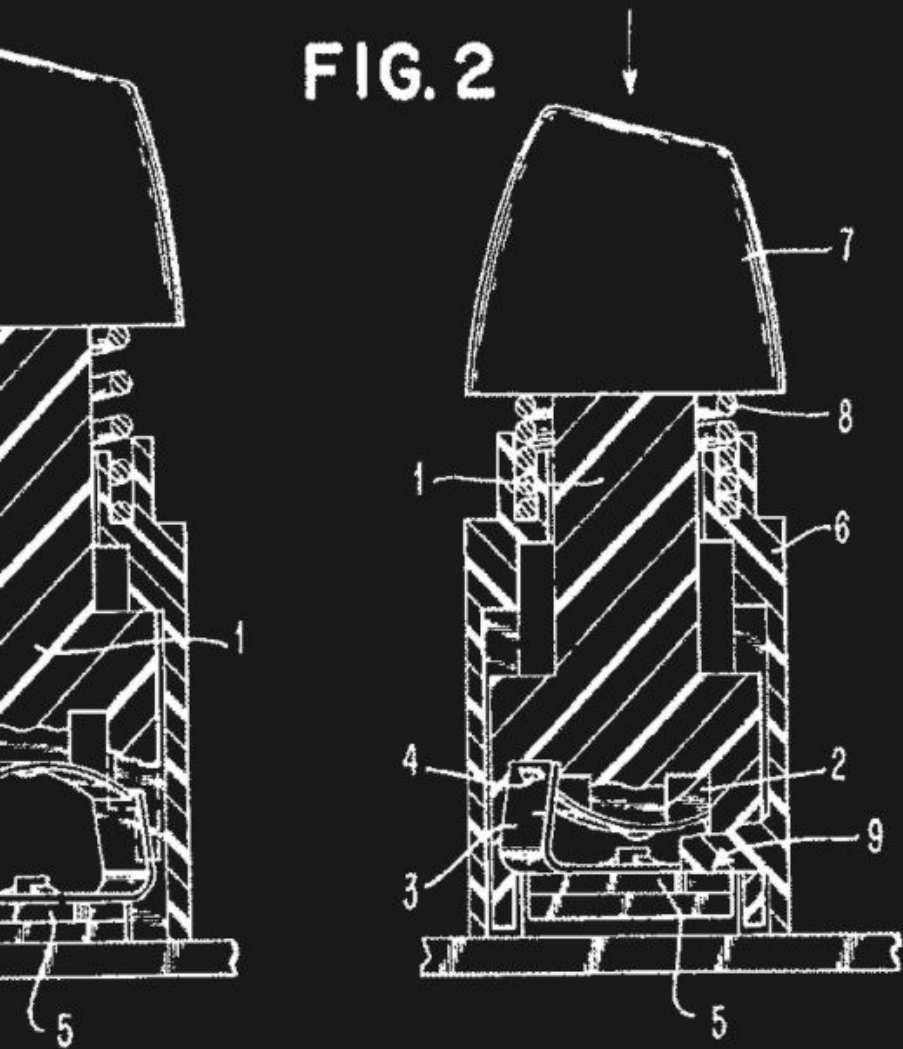


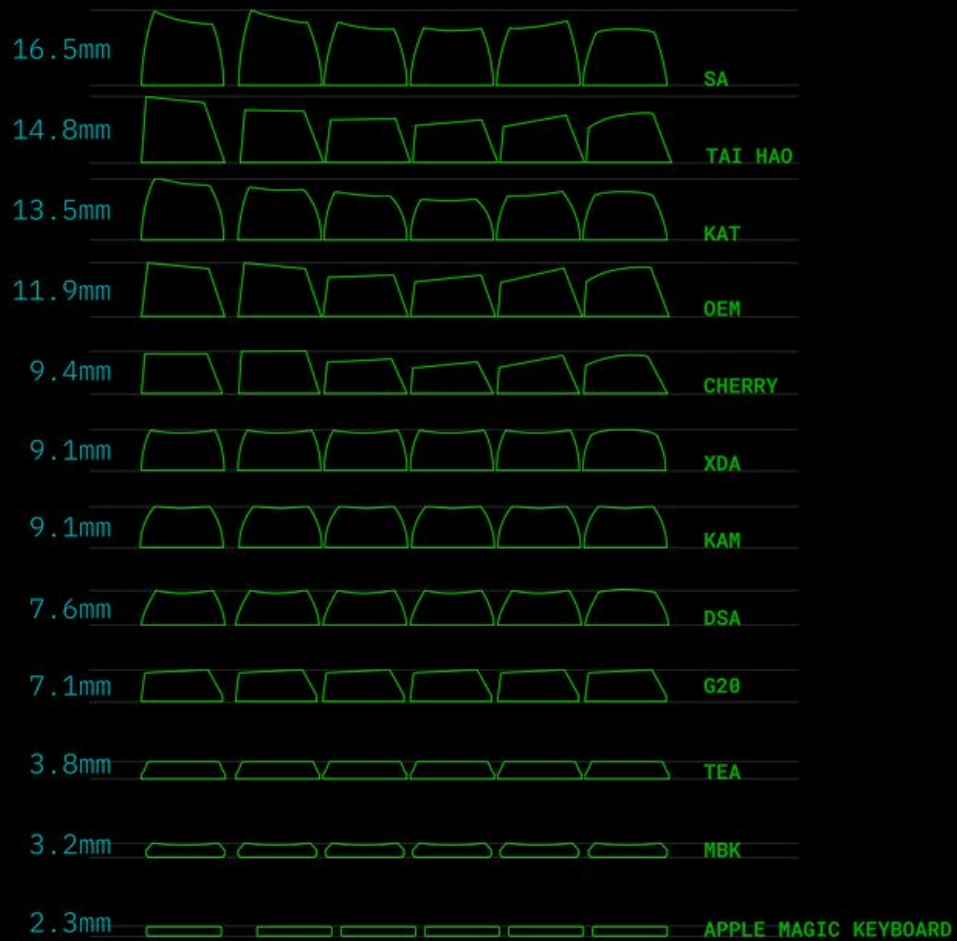


FIG. 2



Keycaps





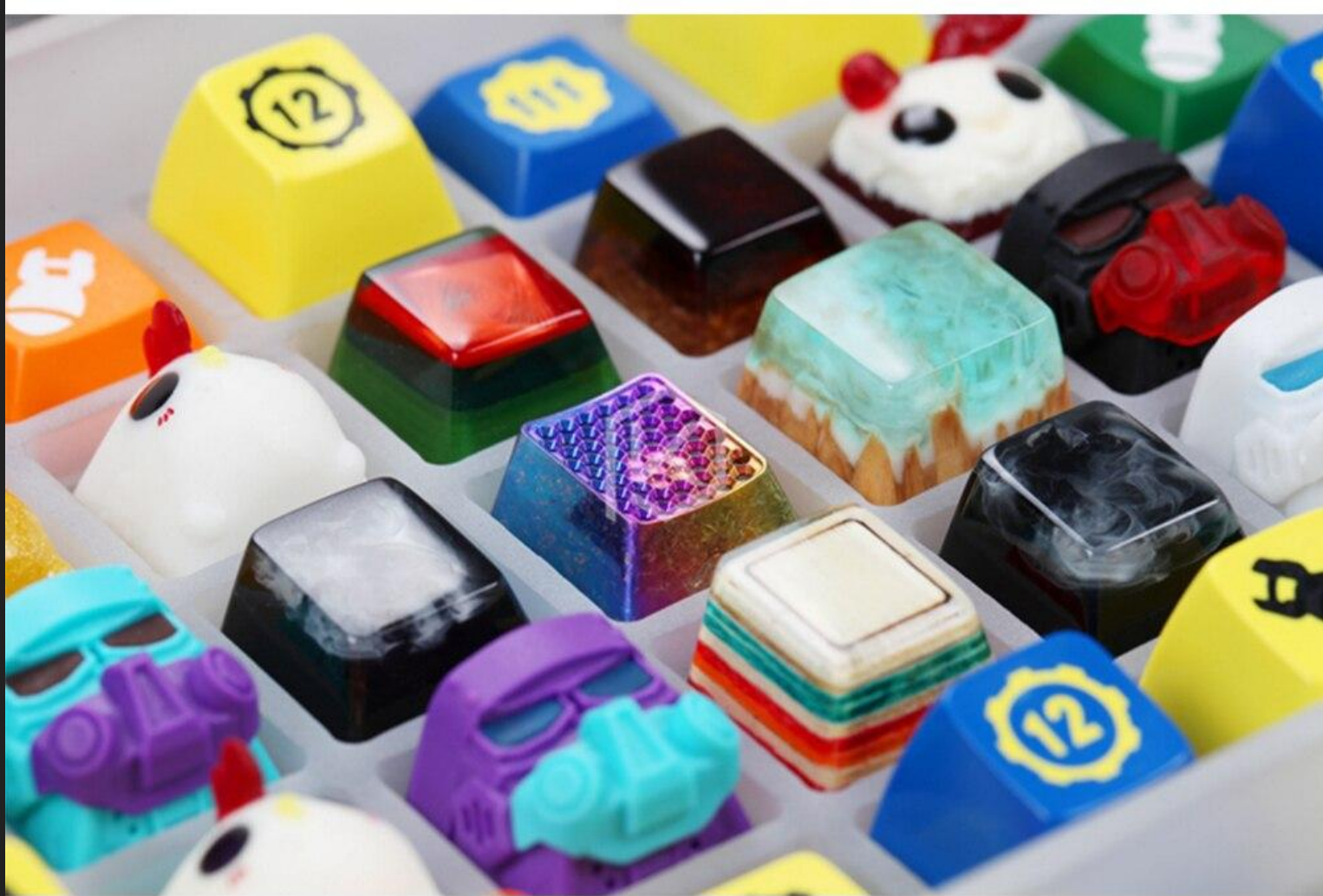
Material

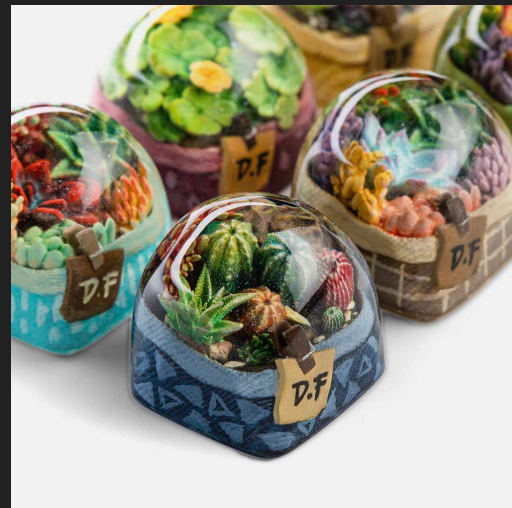
ABS



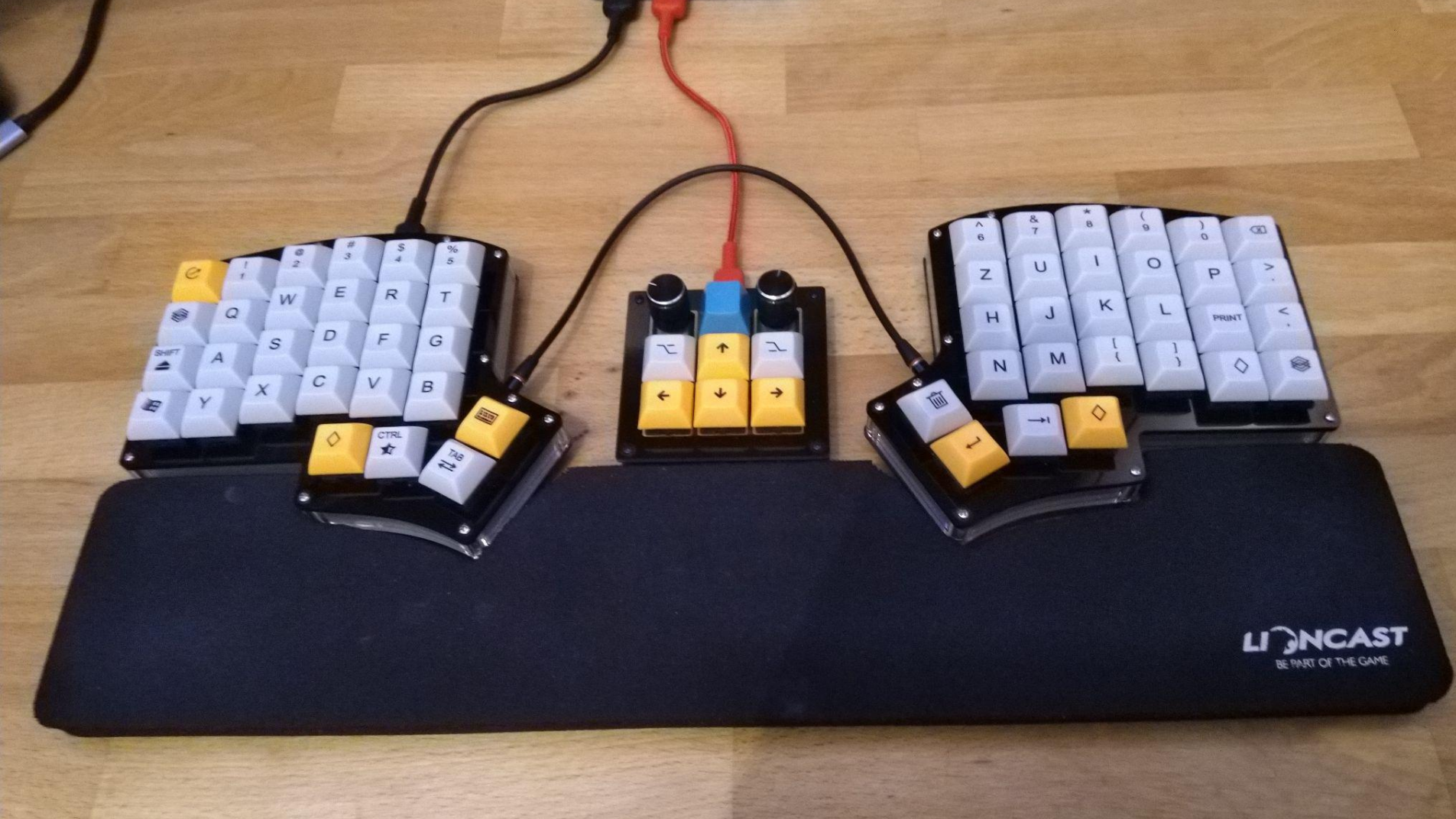
PBT













Programming



master ▾

54 branches

1,431 tags

Go to file

About

Open-source keyboard firmware for Atmel AVR and Arm USB families

 qmk.fm

 [Readme](#)

 Code of conduct

Releases

1,431 tags

Packages

No packages published

Contributors 1,748

1.748

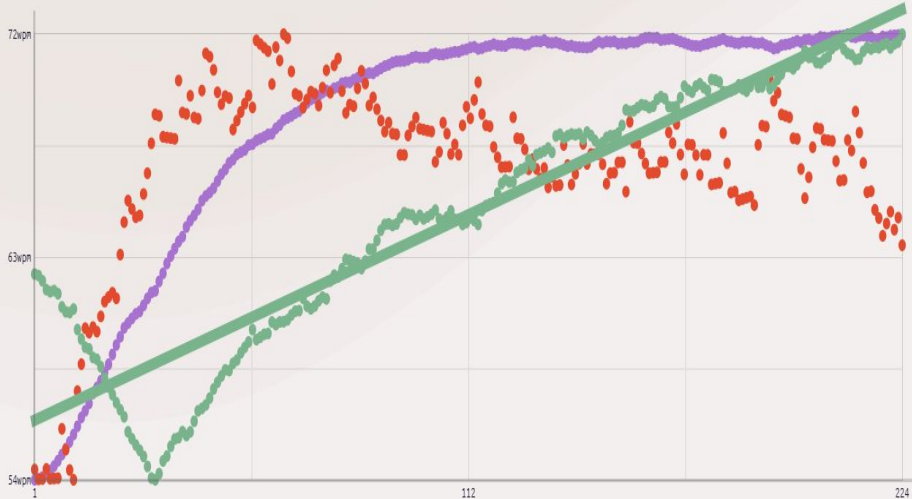


Languages



Typing Speed

This chart shows how overall typing speed changes over time.



Learn

All Time Statistics:

Total Time:

01:25:21

Total Samples:

224

Top Speed (wpm):

89

Average Speed (wpm):

66

Statistics for Today:

Total Time:

01:25:21

Total Samples:

224

Top Speed (wpm):

89

Average Speed (wpm):

66



0,108,100



Too many enemies

Jolly Roger

Out of breath



UNICORNS





typeracer
German / Deutsch

[Pit Stop](#)[Blog](#)[Discord](#)[About](#)

D Iris (pixelfrei_iris)



Typemaster
Skill Level

58 WPM
Avg. Speed

273
Races

6631
Points

UPGRADE

Go!

:51

D Iris
(you)



16 wpm

Marta



45 wpm

Stephanie



40 wpm

Aber diese Geschichte war einfach irgendwie die letzte Seite, die gerissen ist. Es war die einzige Seite die ich noch hatte, und selbst ein Plastikmädchen braucht doch wenigstens eine Seite, oder?

[change display format](#)

[Main menu \(leave race\)](#)



Latest High Scores



My Scores



Hall of Fame



Competitions

	Name	Speed	Time
1	Bens hardware (bens_hardware)	95 wpm	3 minutes ago
2	Totoro (totoro_totoro)	86 wpm	33 minutes ago
3	Markus (mcmarvin)	62 wpm	59 minutes ago

Language: German

Theme: Dark

Dictionary

Top English words randomized

16202 Races Today

Anime

何ですか? ! Type content from Tokyo Ghoul to Attack on Titan.

7705 Races Today

Repeating Words

Easy repeating words for practice

4081 Races Today

Jokes

haha joke funny

847 Races Today

Video Games

Epic gamer quotes! You'll need more than WASD here

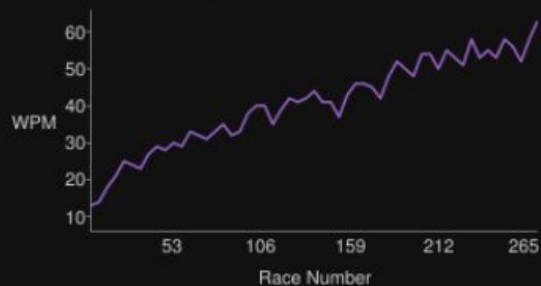
Scores for this quote:

[Your last 10](#)[Top 10](#)

#	Speed	Acc.	Pts.	When
272	63 wpm	99%	36	moments ago
220	46 wpm	95%	26	2021-03-17
156	39 wpm	95%	22	2021-02-18
51	31 wpm	96%	18	2021-01-26
26	23 wpm	93%	13	2021-01-19

[Latest High Scores](#)[My Scores](#)[Hall of Fame](#)[Competitions](#)

Improvement Over Time





monkey see

monkeytype



punctuation numbers
time words quote zen custom
15 30 60 120 ✕

17

he very than out consider problem another must write where seem
this many at then without those set end small by back get last eye
think from write other some order tell how fact follow program

`tab` - restart test`esc` or `ctrl/cmd + shift + p` - command line



monkey see

monkeytype



punctuation numbers
time words quote zen custom
15 30 60 120 ✕

wpm

76

acc

100%

test type

time 30

english



raw

76

characters

189/0/0/0

consistency

79%

time

30s

00:00:34 session

[Sign in](#) to save your result**tab** - restart test**esc** or **ctrl/cmd + shift + p** - command line[Support](#)[GitHub](#)[Discord](#)[Twitter](#)[Terms](#)[Security](#)[Privacy](#)[Donate](#)[laser](#)[v1.12.3](#)



Weirdos

(and fails)





DataHand Systems, Inc.

 3032 North 33rd Avenue
Phoenix, AZ 85017-4247
800-875-7171 ext. 222
800-273-4000 ext. 222
Fax: 800-273-3434

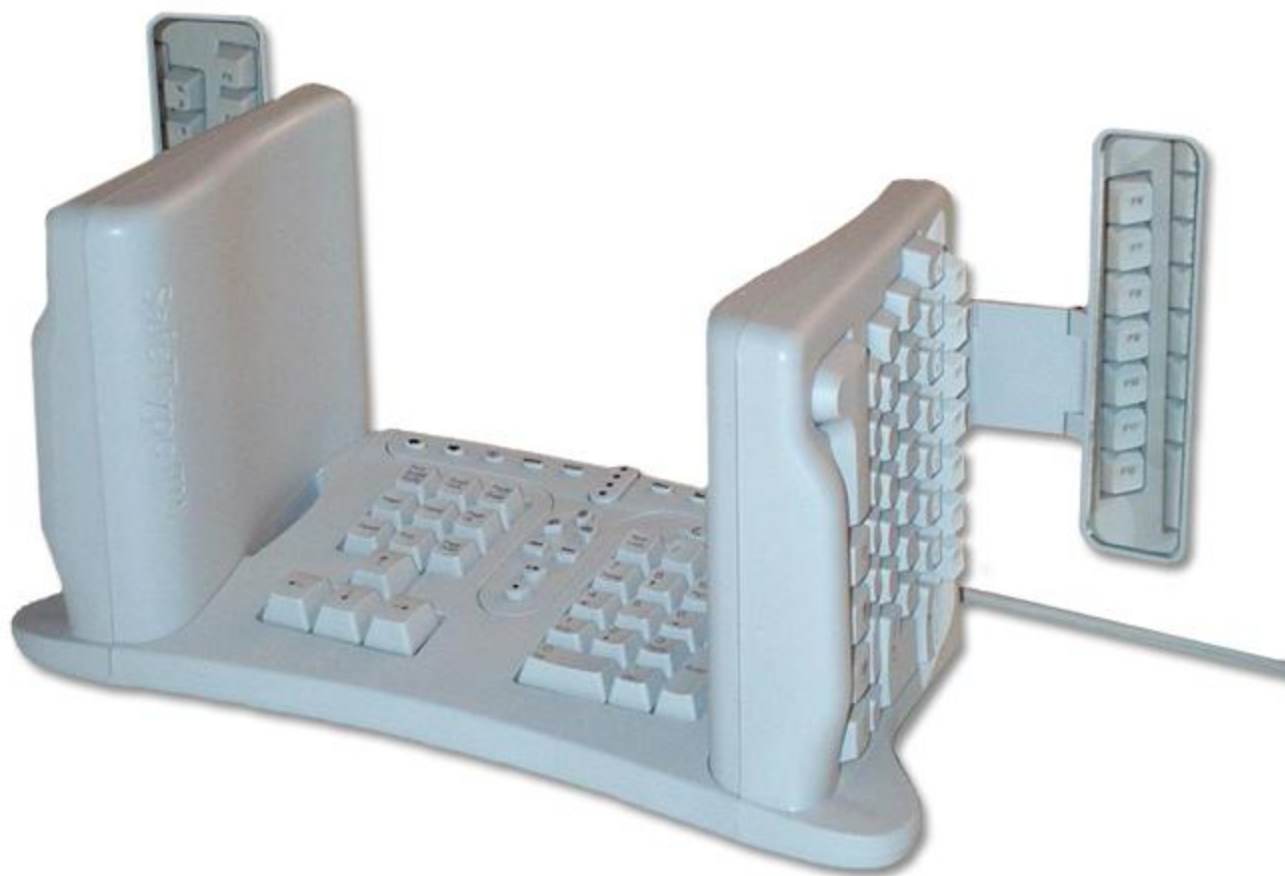
 "Feel the Difference!"

Nancy Leitch
Manufacturing/Tech Support
nleitch@datahand.com

www.datahand.com









Topics skipped

Lubing, Coiled Cables, Custom keyboard cables, connectors, O-Rings, stabilizers, pcbs, controller, steno typing, Reed switches, dvorak, colemak, workman, ASMR, switch/keyboard sounding, PCR building, tenting, 3D-printed cases, soldering, epoxy resins, RGB, LEDs, Apple keyboards, damper, baseplates, low-profile switches, hot-swappable switches, optical switches, scissor switches, films, stabilizer holy-mod, group-buy, double-shot moulded keycaps, rubber keycaps.



Links

Resources:

Helpful community discord qmk: <https://discord.com/channels/425666562150629376>
Reddit: <https://www.reddit.com/r/MechanicalKeyboards/>

History

<https://en.wikipedia.org/wiki/Typewriter>
<https://www.cnet.com/news/a-brief-history-of-the-qwerty-keyboard/>
<https://www.historyofinformation.com/detail.php?entryid=2503>
https://en.wikipedia.org/wiki/IBM_Selectric_typewriter
https://de.wikipedia.org/wiki/IBM_Model_M
<https://en.wikipedia.org/wiki/QWERTY>
https://en.wikipedia.org/wiki/German_keyboard_layout
<https://history-computer.com/keyboard-history-of-the-modern-computer-keyboard/>

Keyboards:

Ergodox: <https://ergodox-ez.com>
ZSA Moonlander: <https://www.zsa.io/moonlander/>
GergoPlex: <https://www.gboards.ca/product/gergoPLEX>
Keebordio: <https://shop.keyboard.io/>
Iris & BDN9: <https://keeb.io/>
Plank: <https://ergodox-ez.com/pages/planck>
Prionic: <https://drop.com/buy/preonic-mechanical-keyboard>

Learning:

https://store.steampowered.com/app/398850/Epistory__Typing_Chronicles/
https://store.steampowered.com/app/246580/The_Typing_of_The_Dead_Overkill/?l=german&cc=sg
<https://play.typeracer.com/>
<https://www.typingclub.com/>
<https://monkeytype.com/>

Building/Programming:

<https://config.qmk.fm/#/test>
Build Iris v5: <https://www.youtube.com/watch?v=Vsp-8rp1NqM>

Misc:

LTT History: <https://www.youtube.com/watch?v=qLAqT2U68h4>

<https://www.mechanical-keyboard.org/advantages-and-disadvantages-of-mechanical-keyboards/>
weird keyboards: <https://www.youtube.com/watch?v=SkNGxM4LRKQ>
Cherry MX Factory Tour: <https://www.youtube.com/watch?v=Pu1gP4PfqCQ>