



# COMPUTER GAMES

WITH

# MICROPYTHON

AT

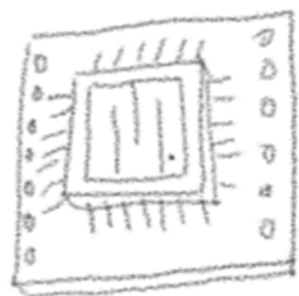
FOSDEM 2019



# DISCLAIMER

- o NOT A JOB
- o MY OPINIONS
- o HELP FROM OTHERS
- o NOT ADVERTISEMENT
- o TINDIE
- o FREE STUFF
- o PRIVILEGE





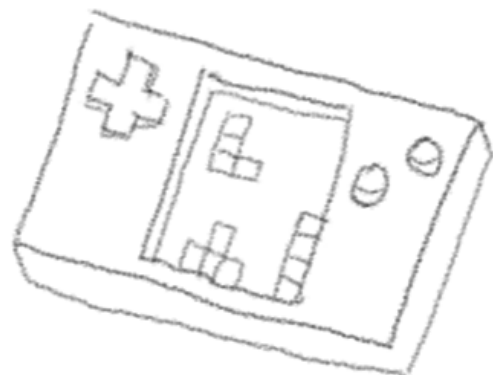
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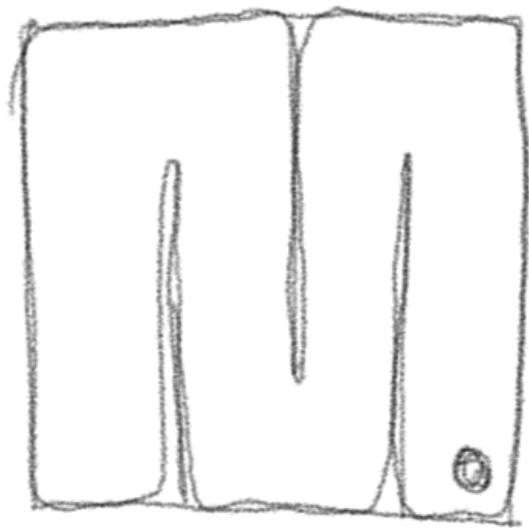


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- HARDWARE

- HSP1

✓

- BUTTONS

✓

- SOUND

X



- SOFTWARE

- FRAMEBUF

✓

- FAST BLIT

X

- PALETTES

X

- SPRITES

X

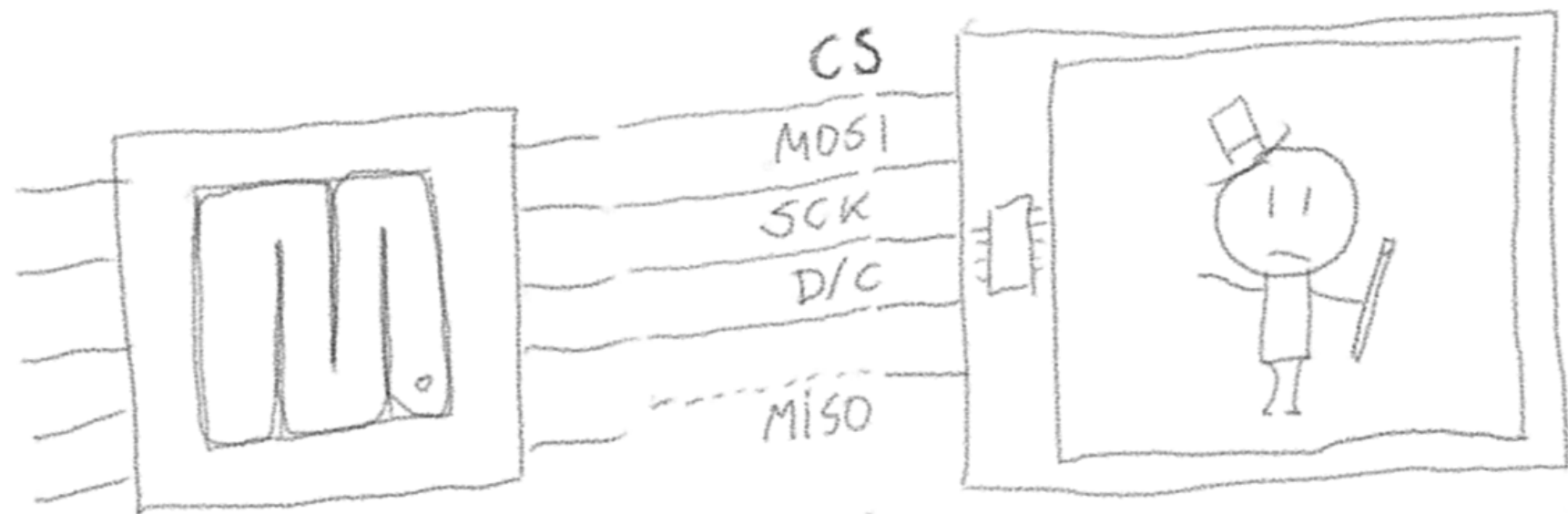
- TILES

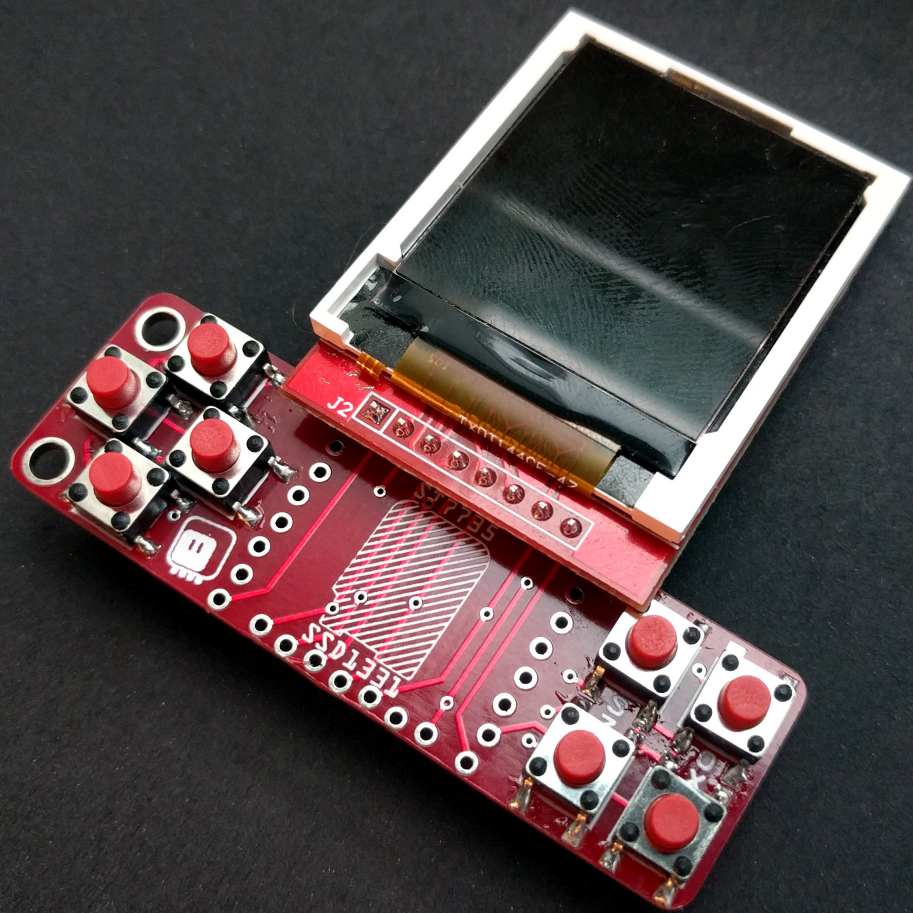
X

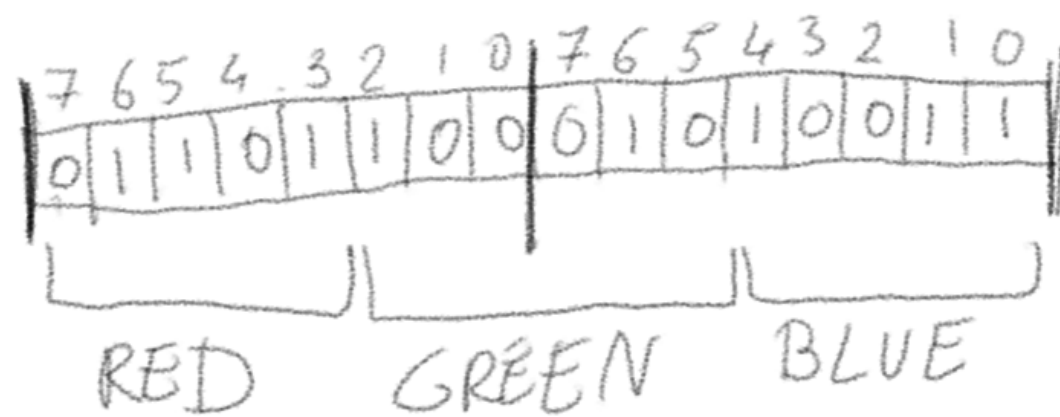
- DRIVERS ✓

- TRANSPARENCY ✓

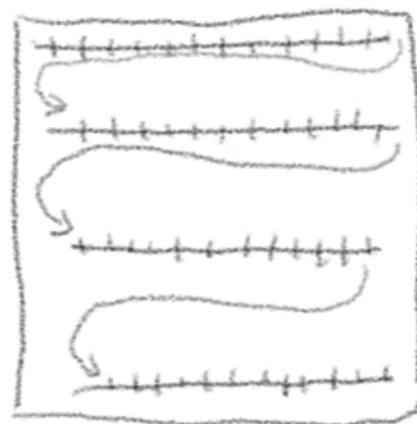
- SCROLLING X



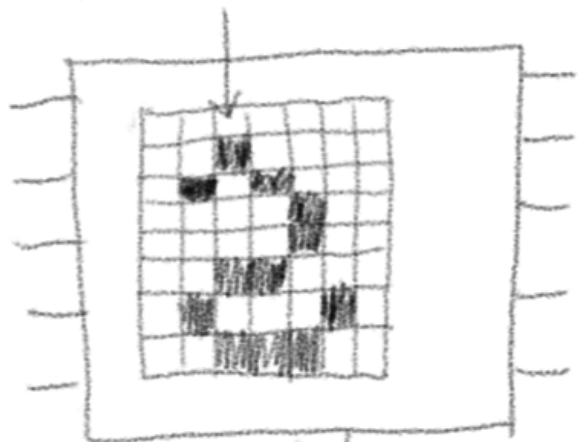




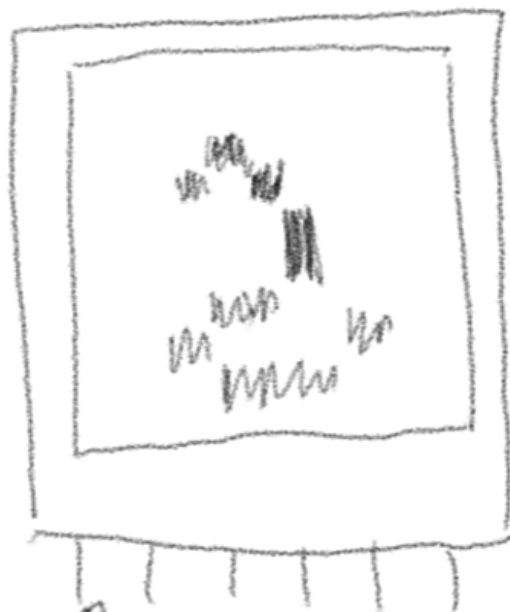
565 RGB



framebuf.pixel()



spi.write

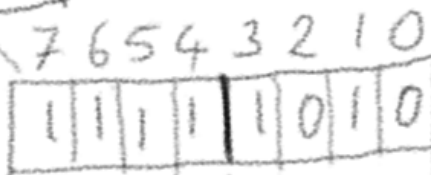


$$128 \times 128 \times 2 = \underline{\underline{32 \text{ kB}}}$$



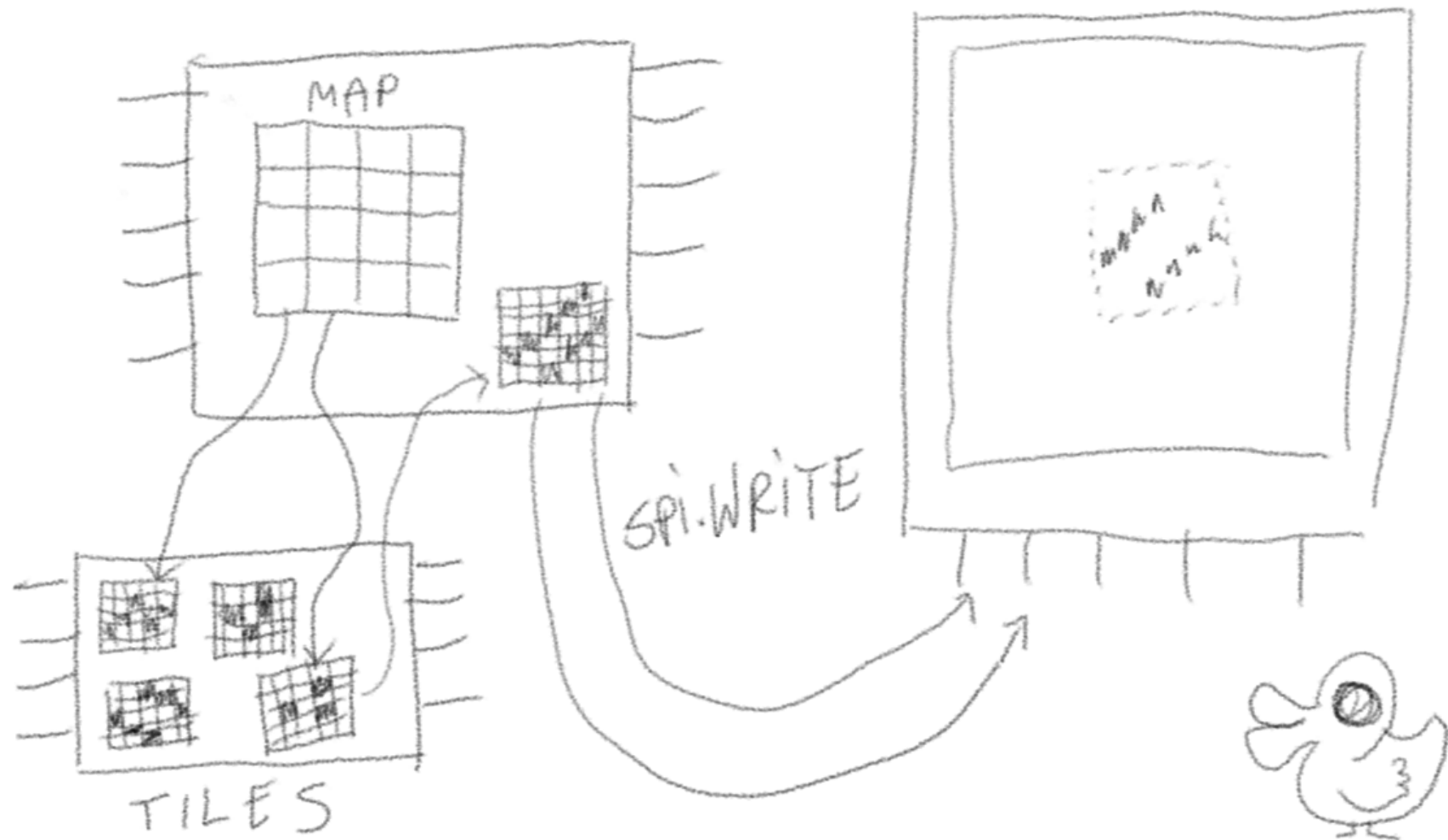


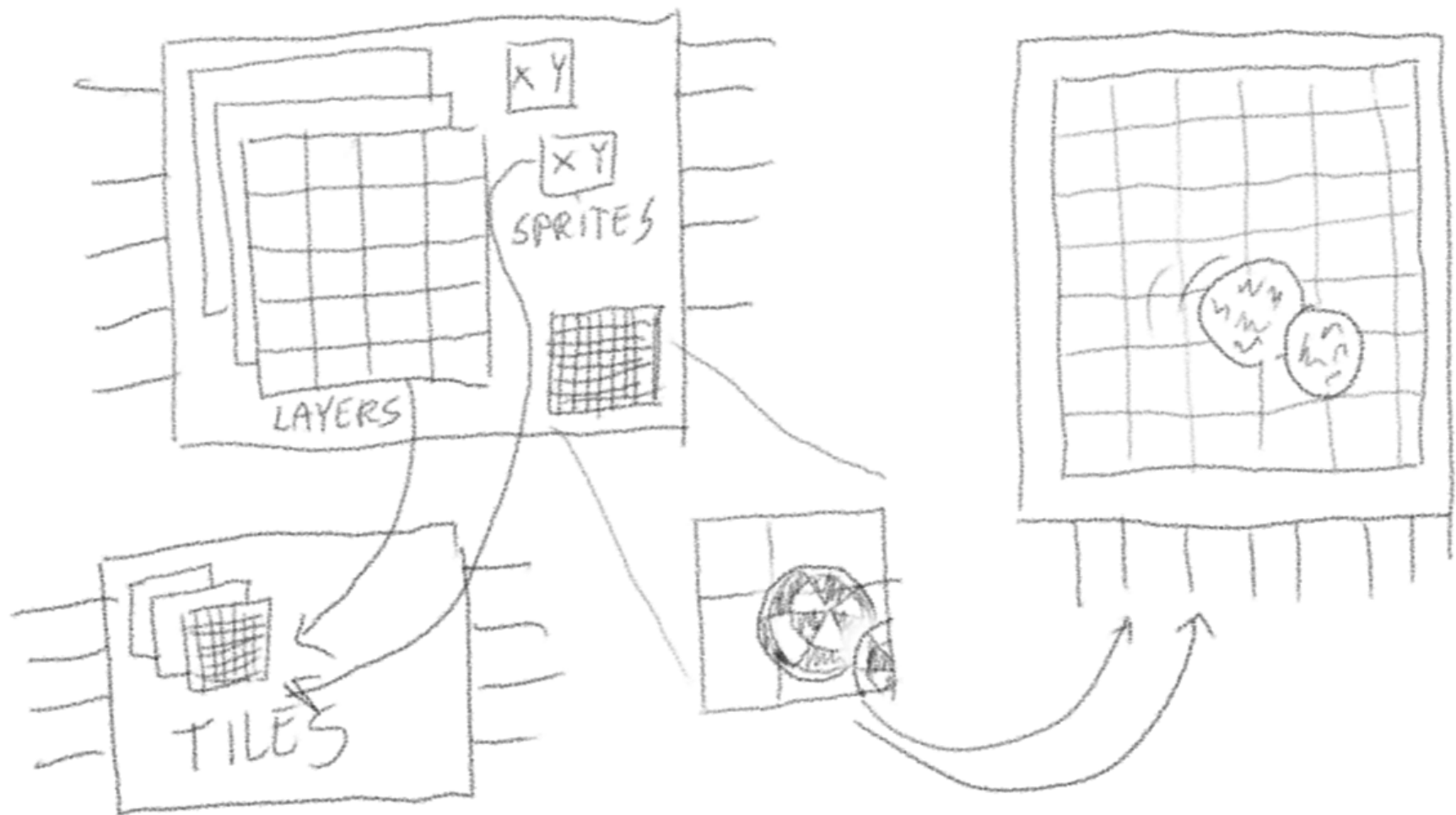
PALETTE



$$\frac{128 \times 128}{2} = 8 \text{KB}$$

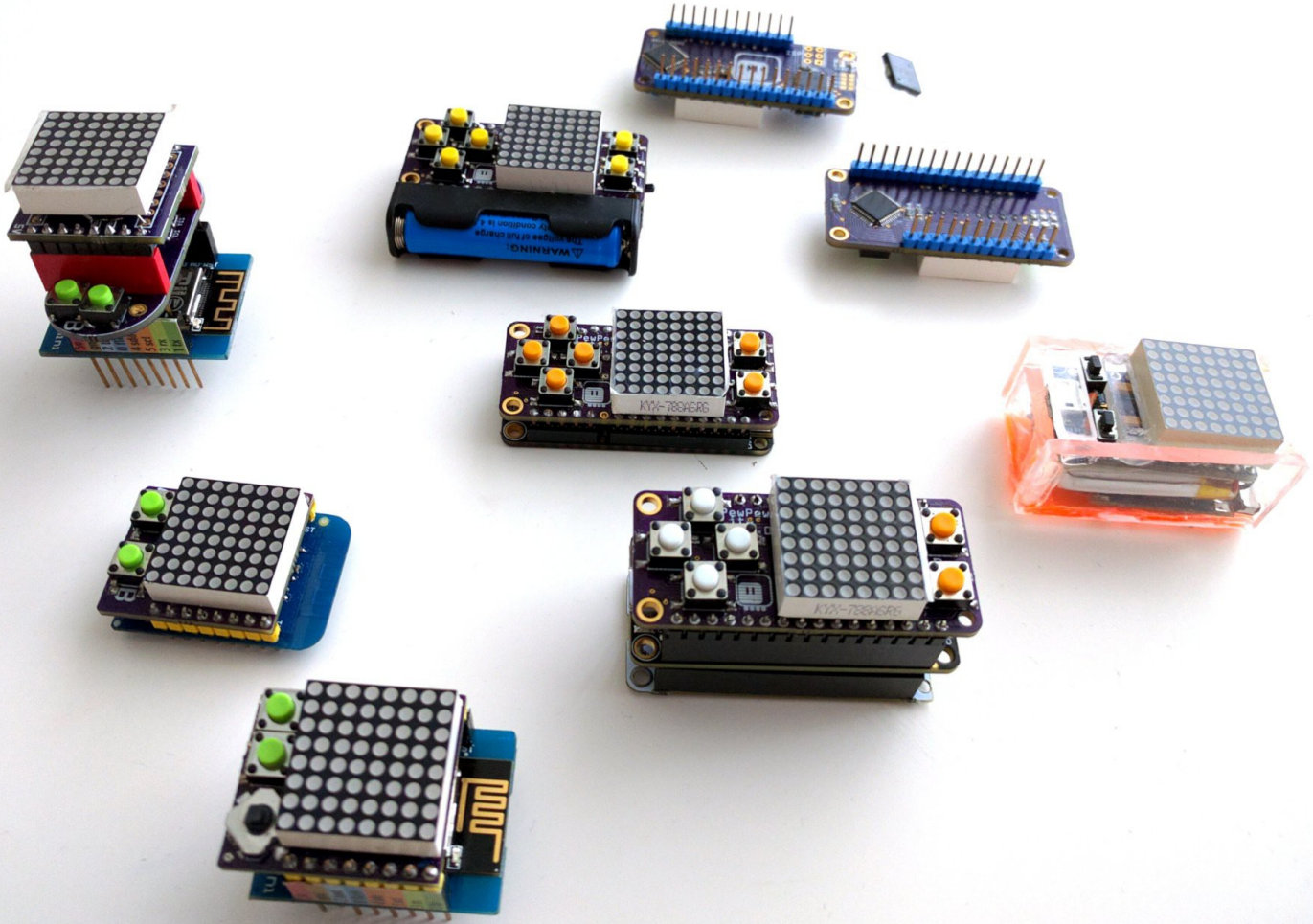


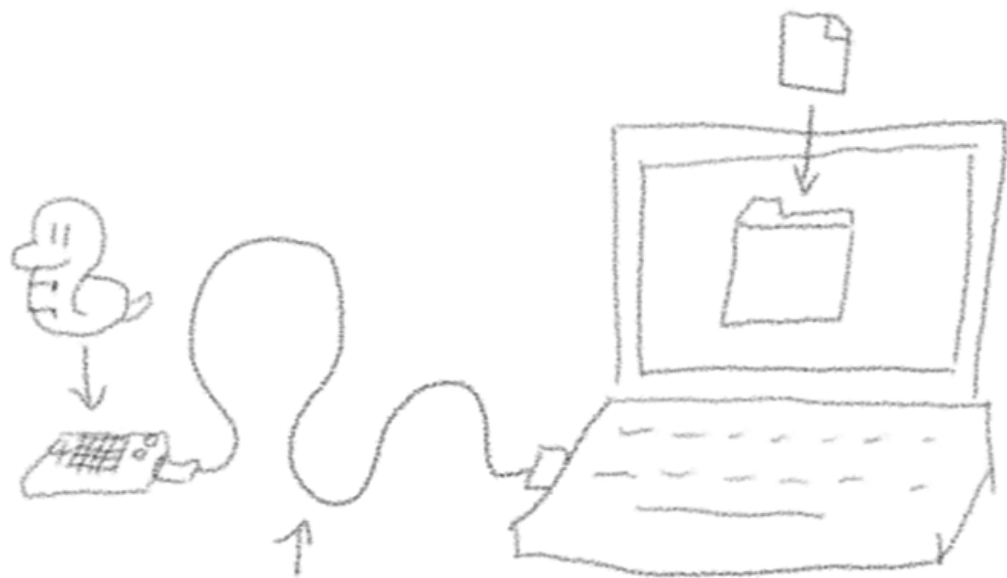












REPL



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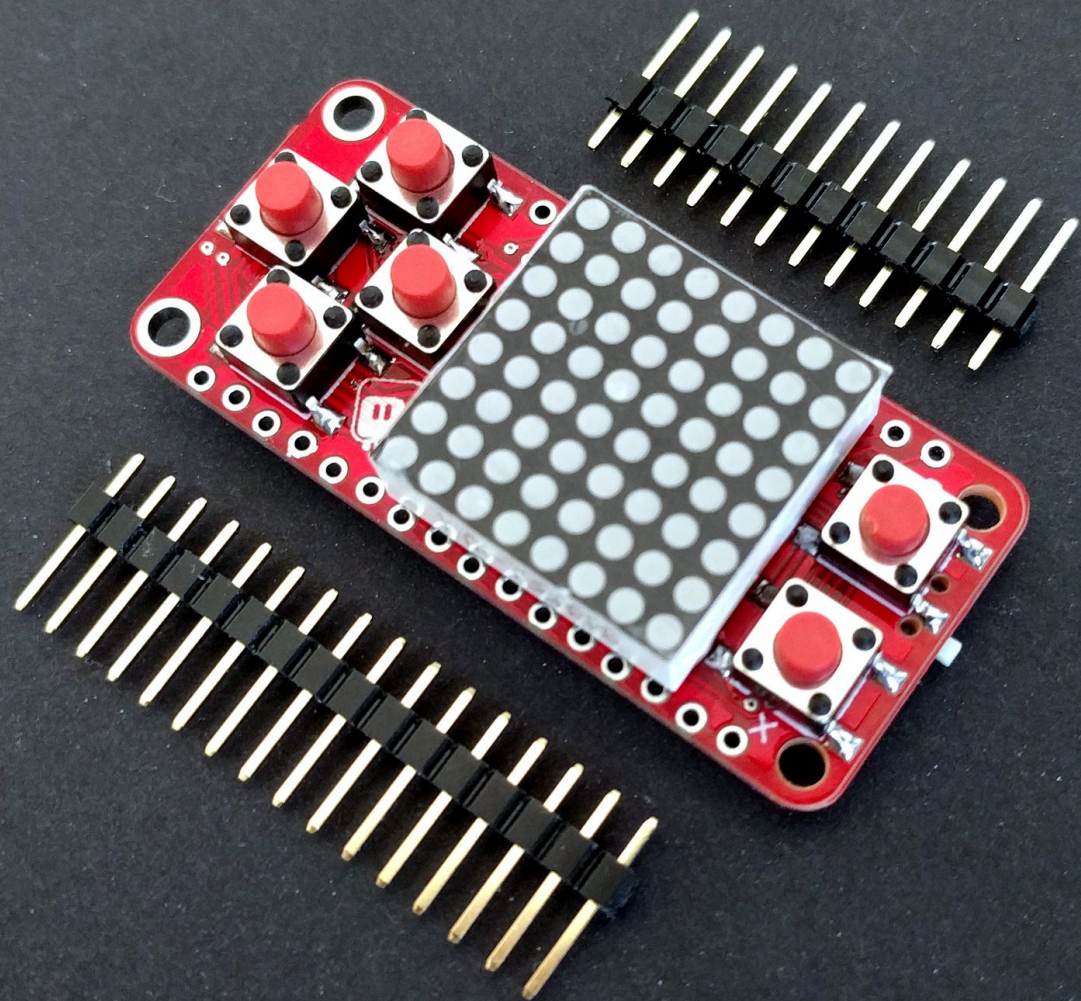


FILES

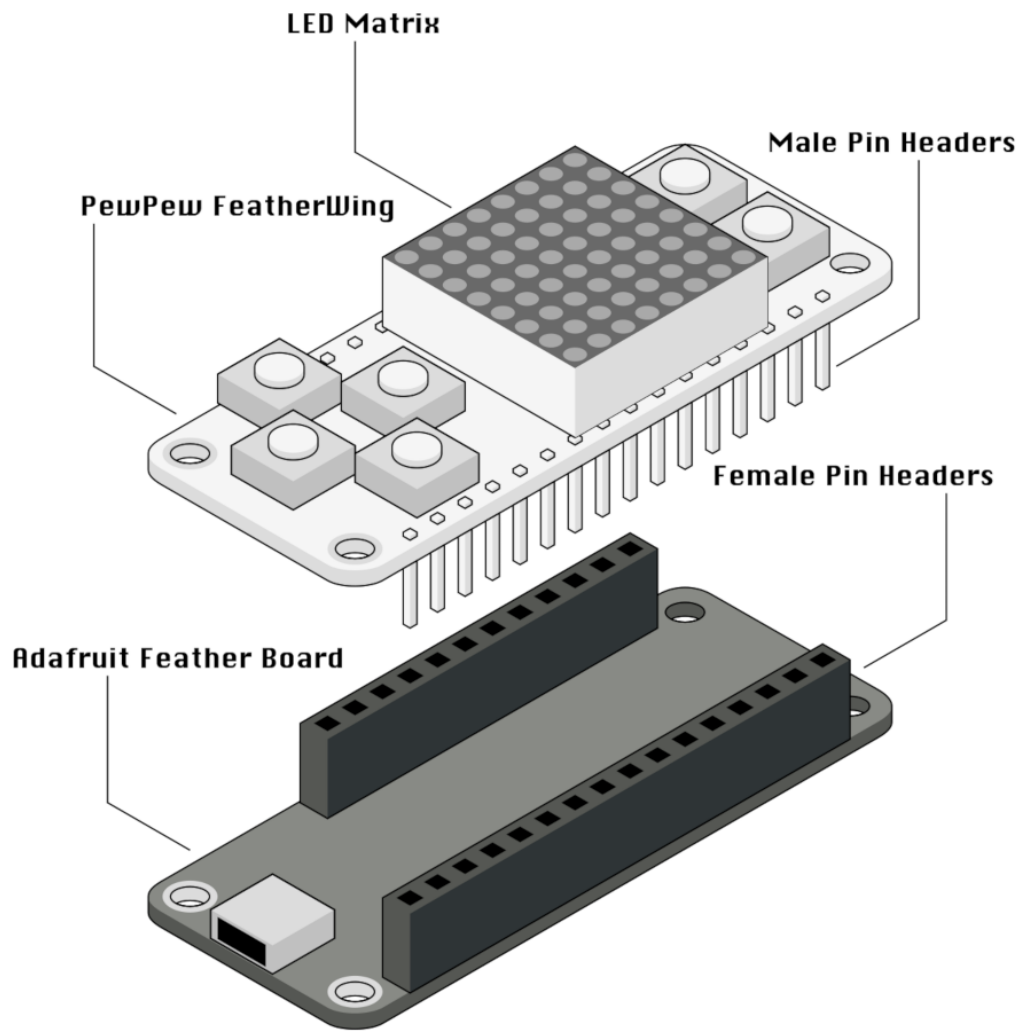


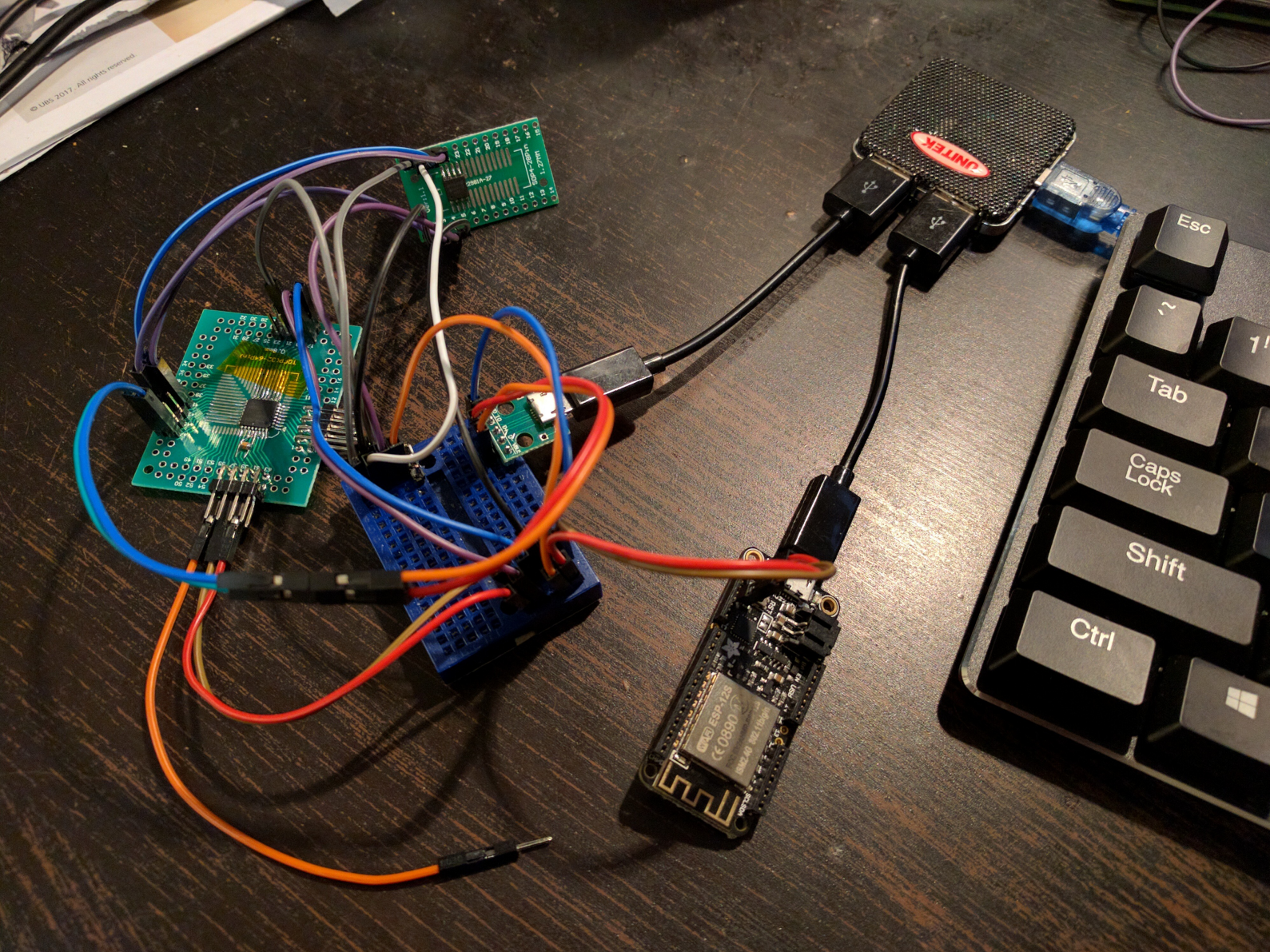
codewith.mu



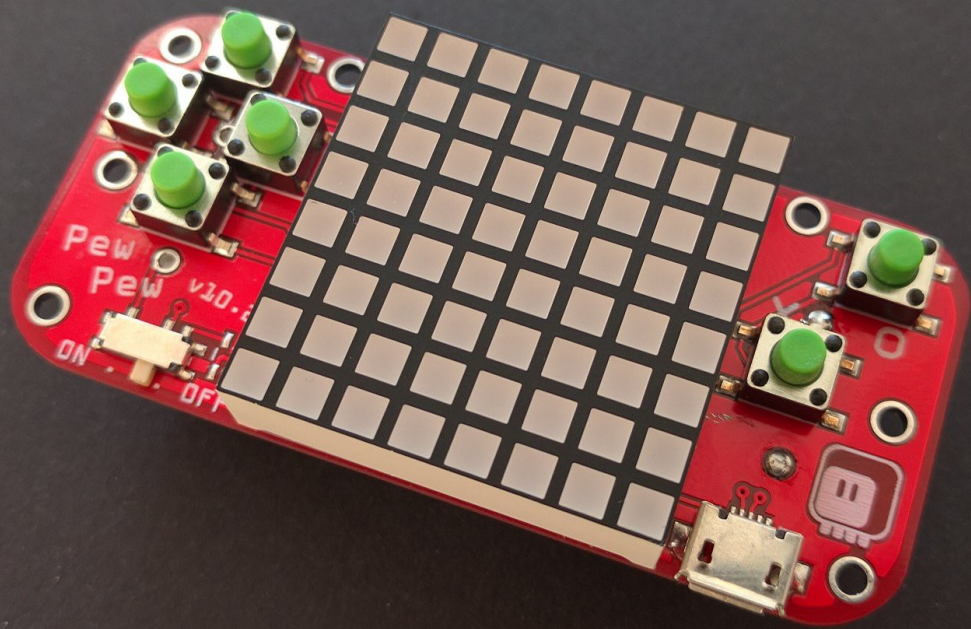




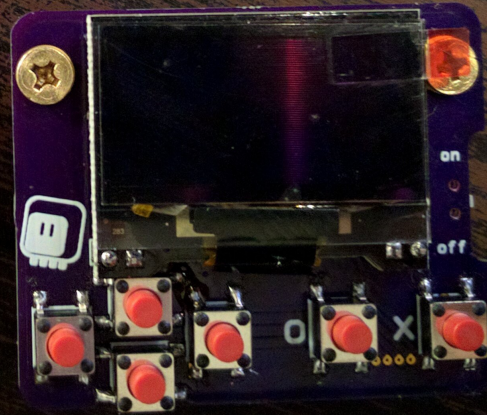
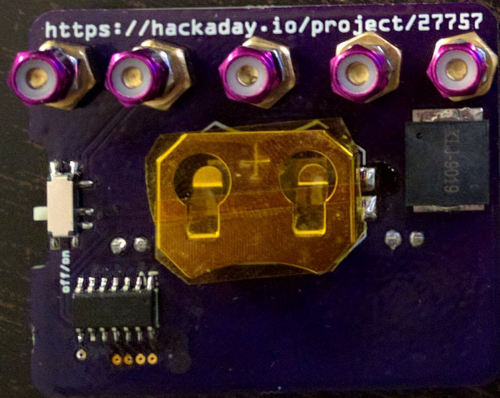
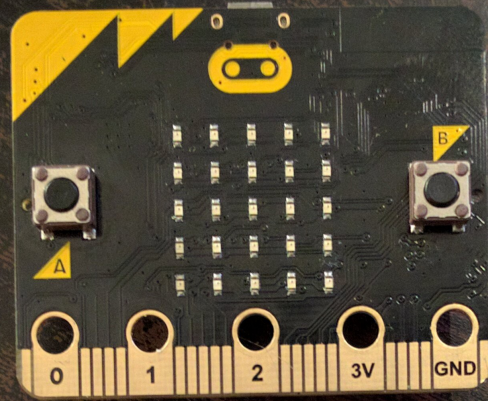








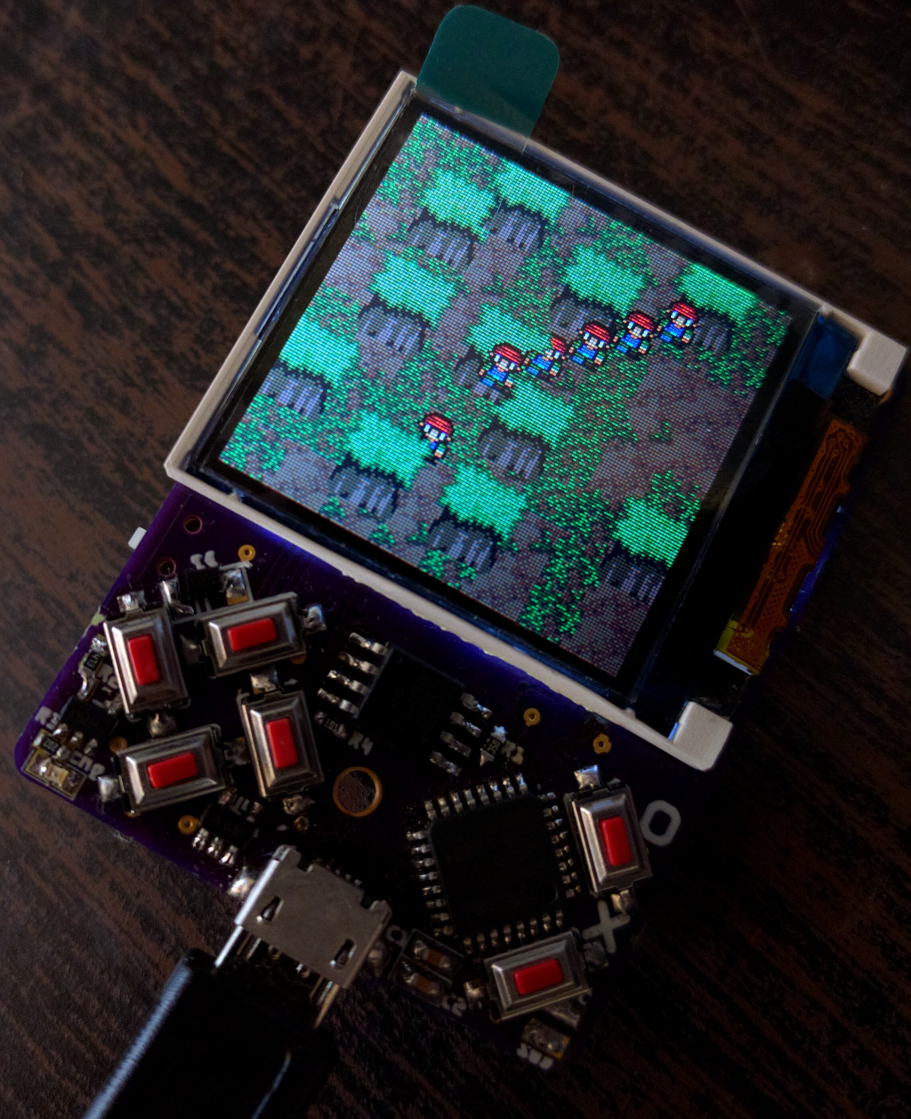




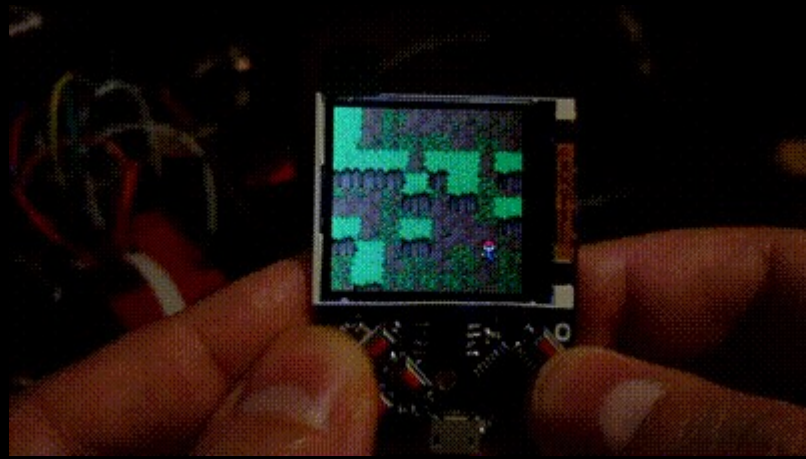




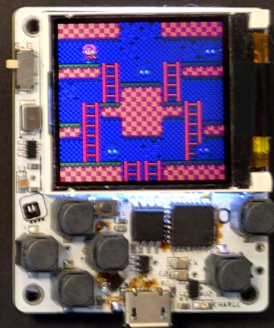
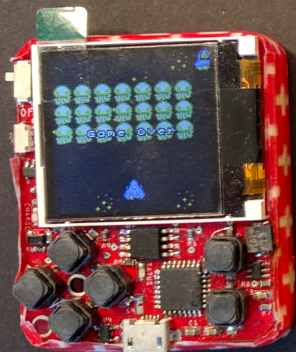








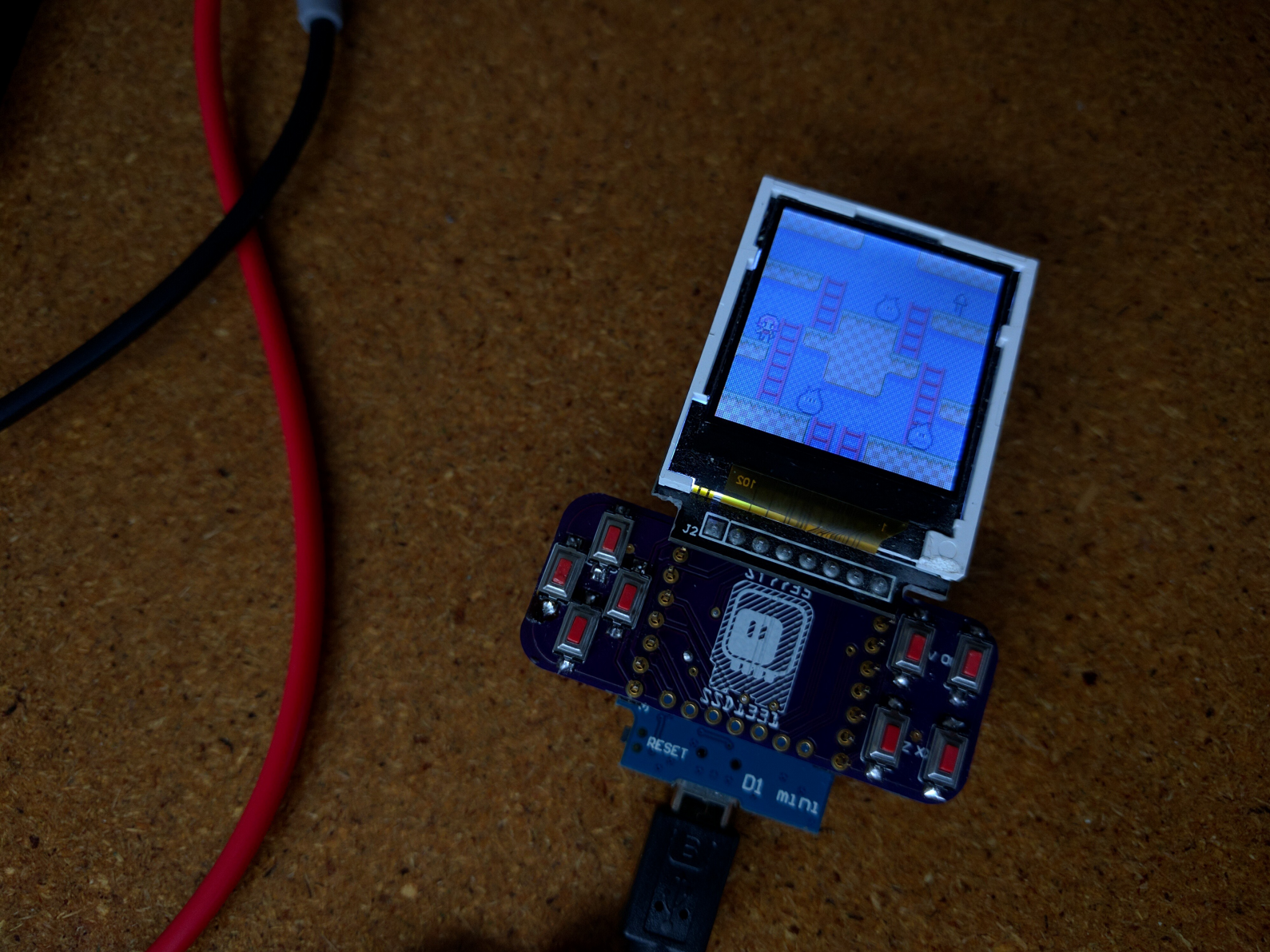








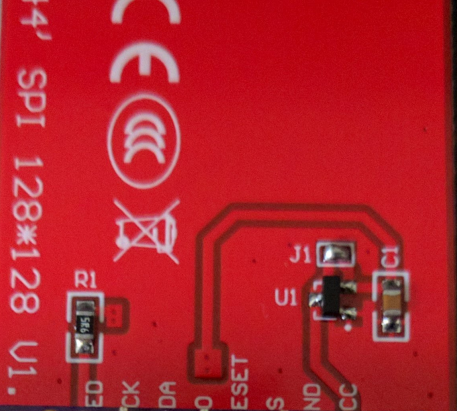
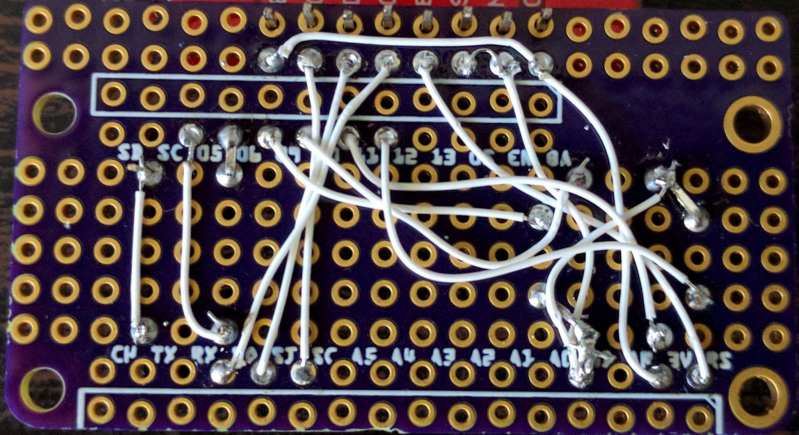












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QUESTIONS ?