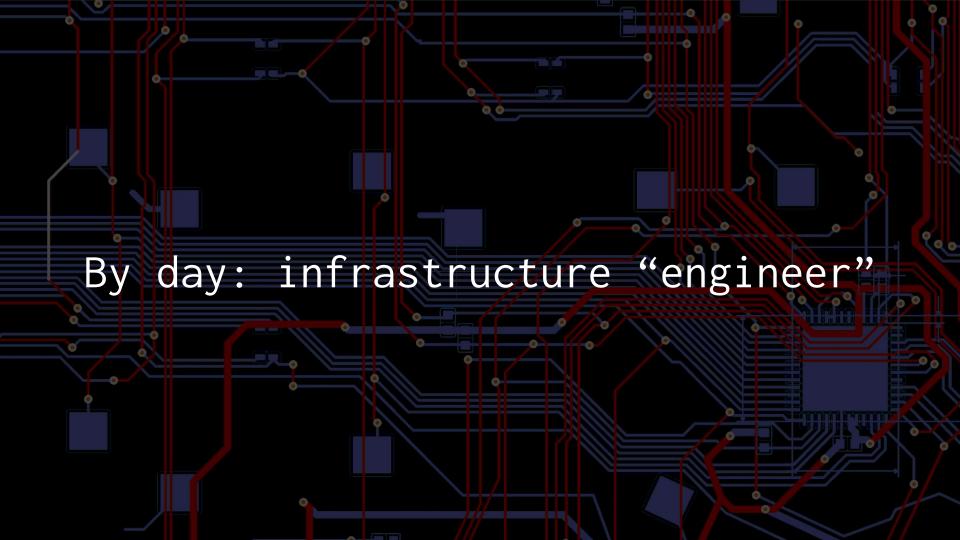
Keyboardin' Ain't Easy???

How to not build a keyboard!!!

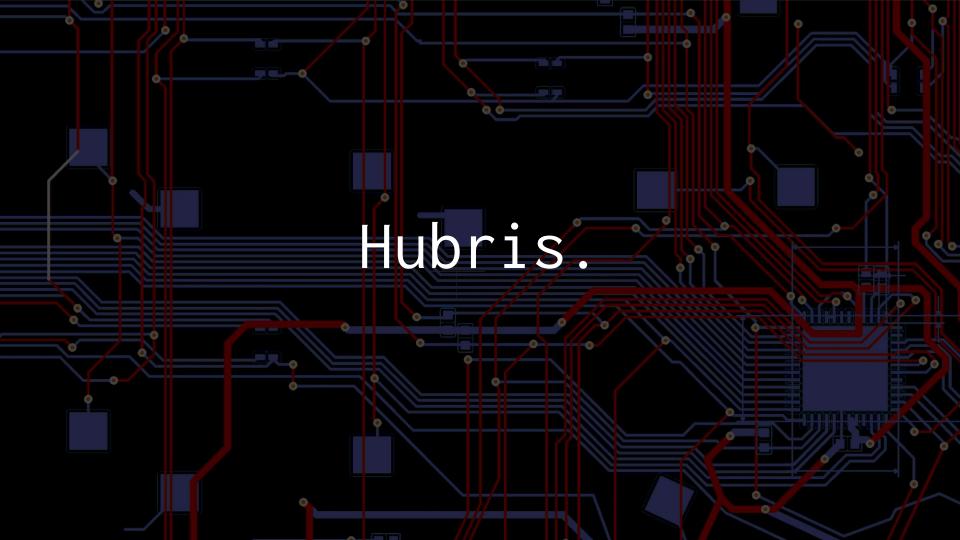
Liz Frost :: stillinbeta :: she/her











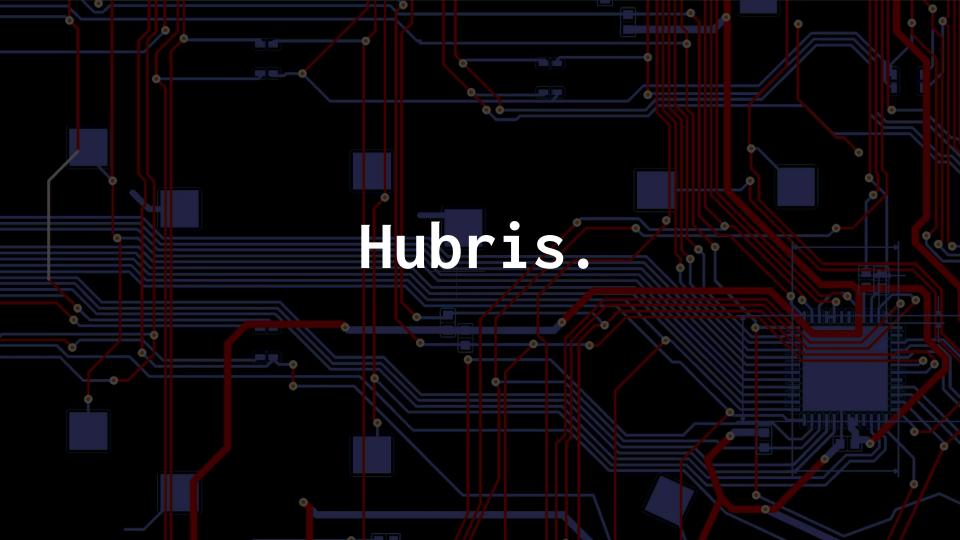




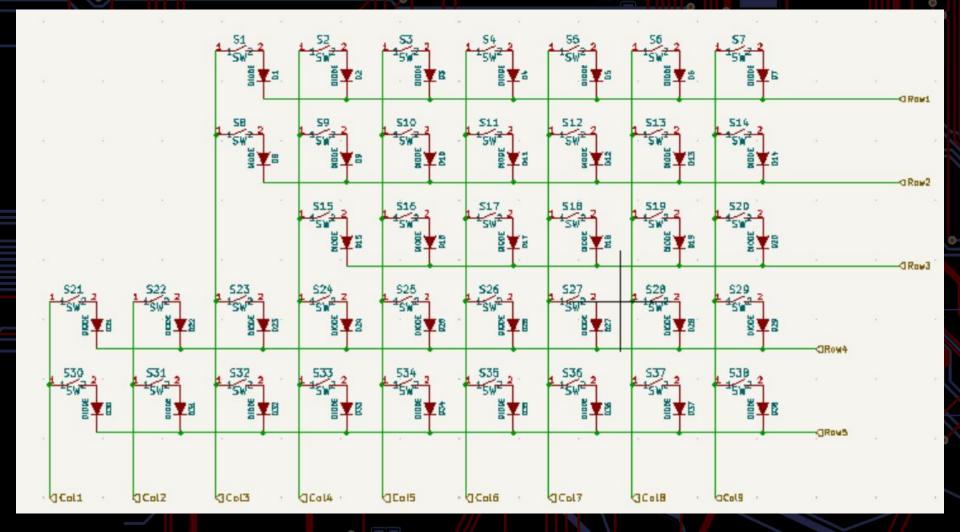


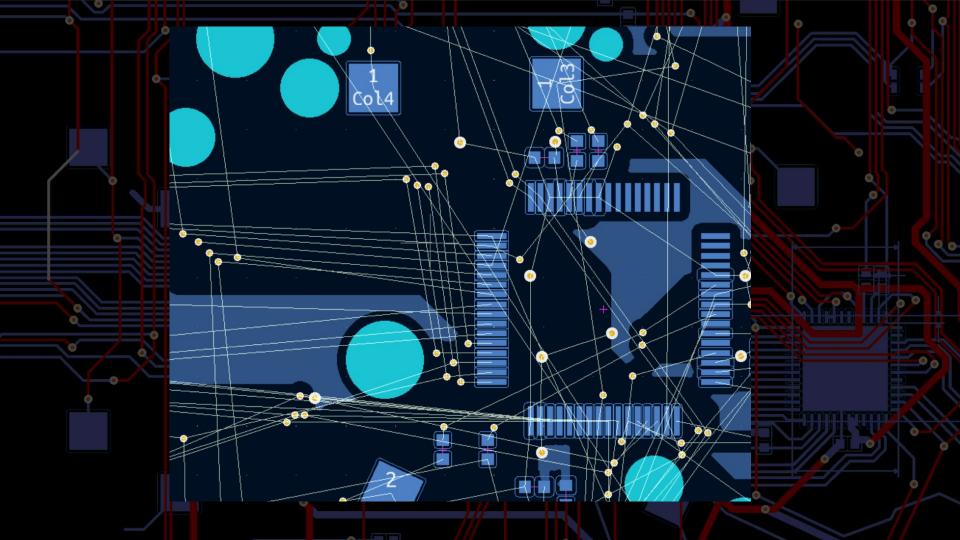


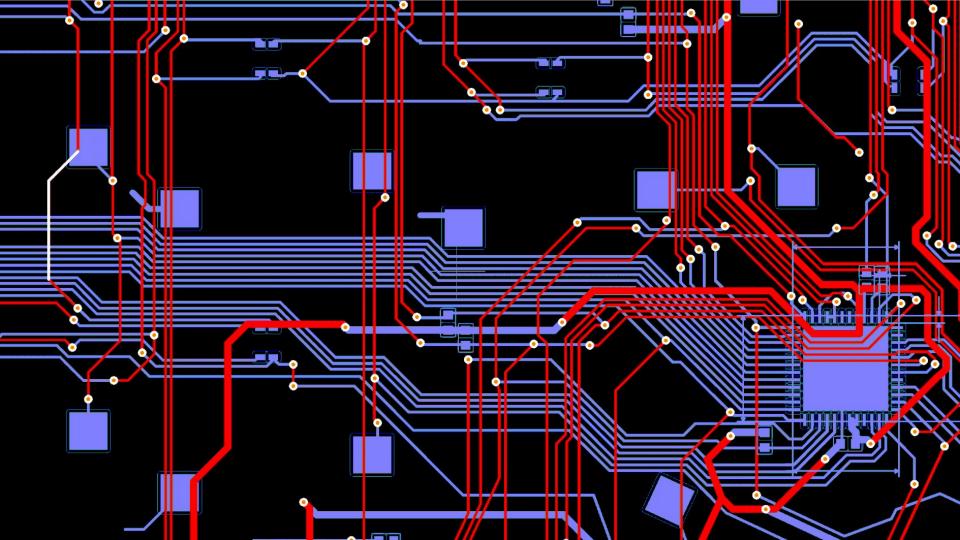


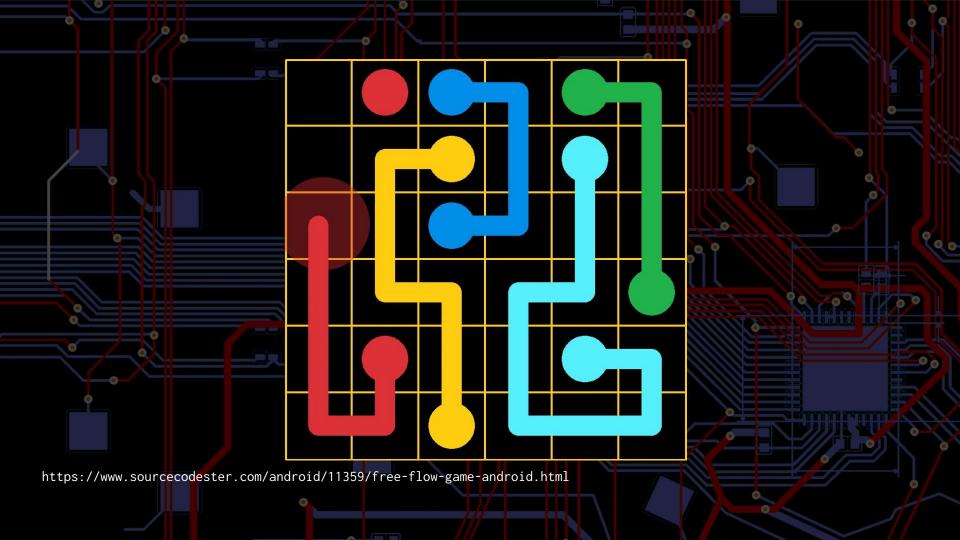


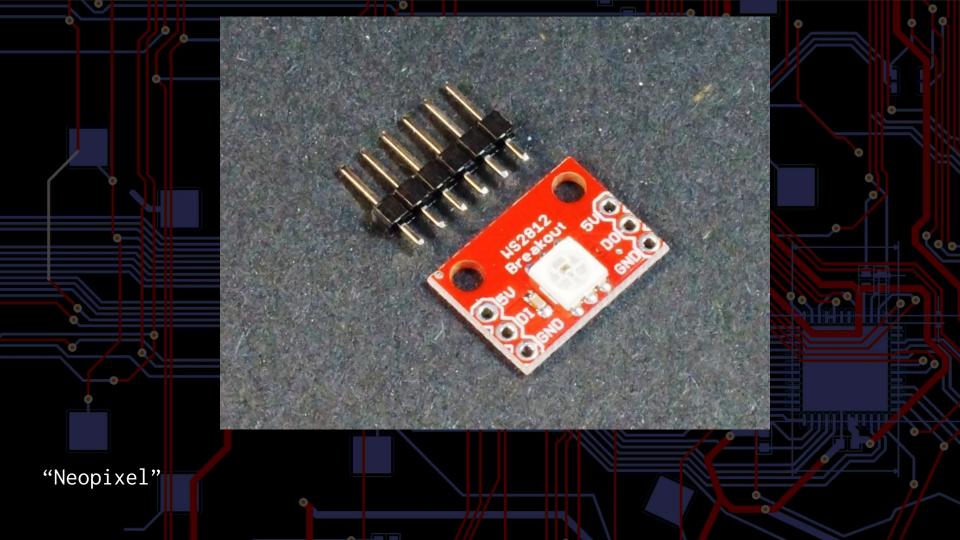


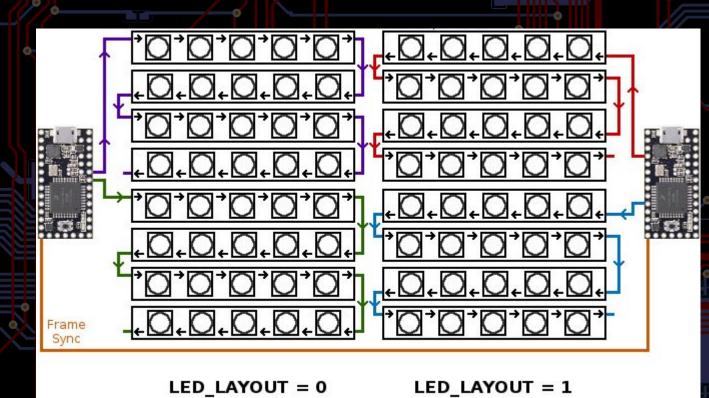




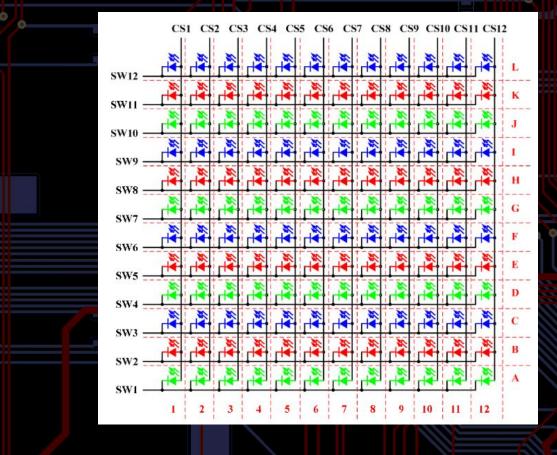




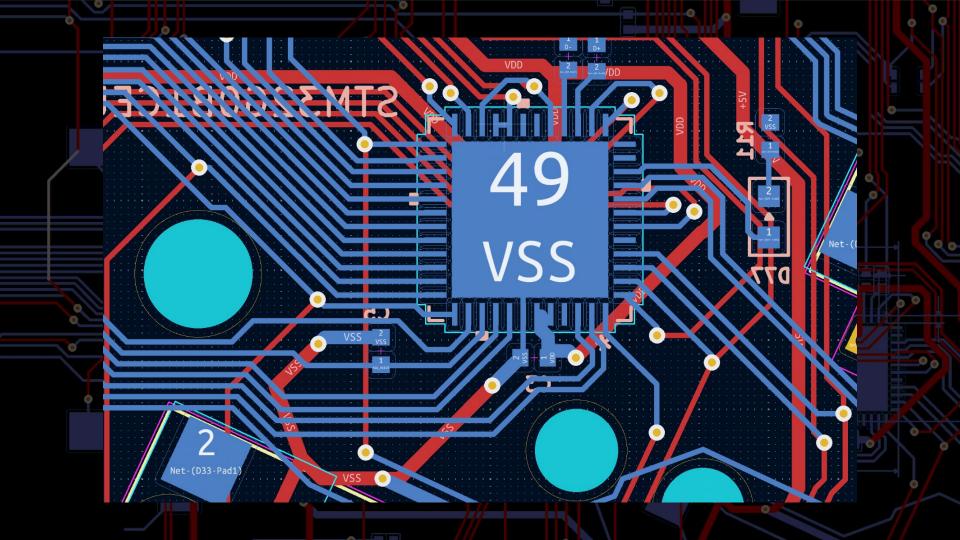


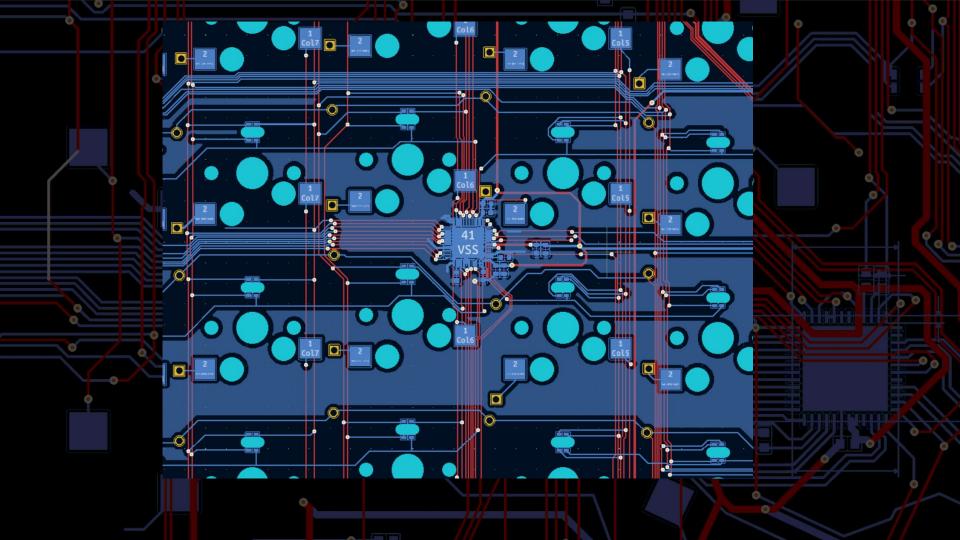


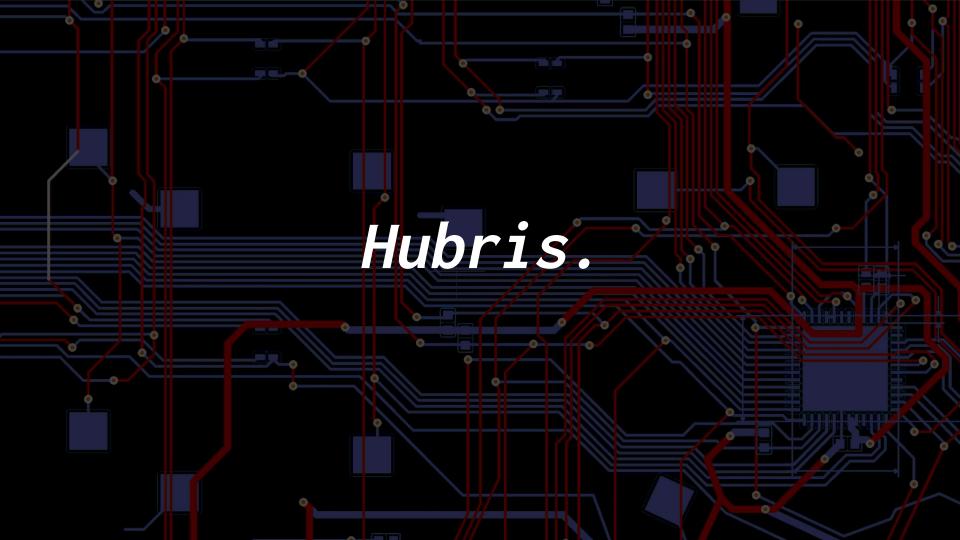
https://forum.pjrc.com/threads/24736-Very-Large-WS2812B-LED-Project-Using-Parts-of-OctoWS2811-Library-Help



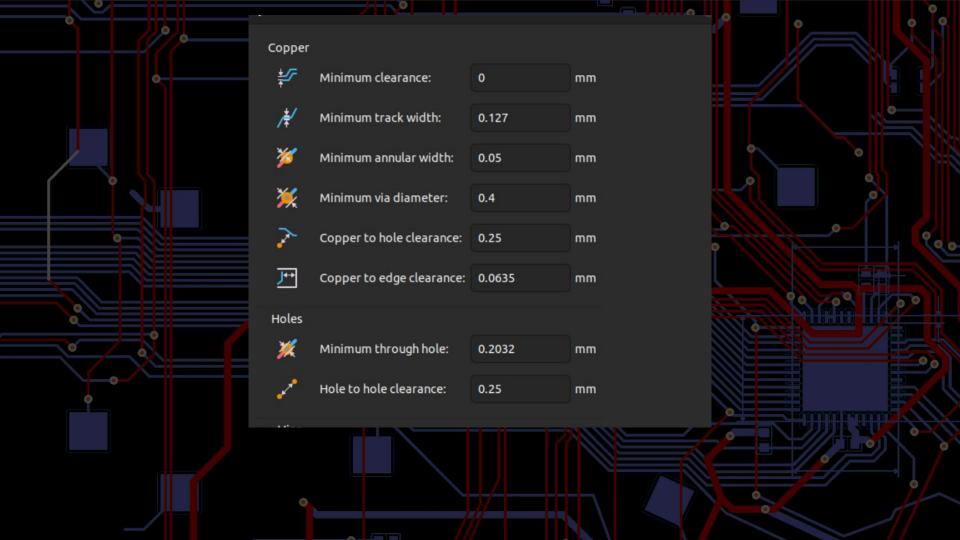
https://www.mouser.ca/datasheet/2/1534/IS31FL3737_DS-3394664.pdf

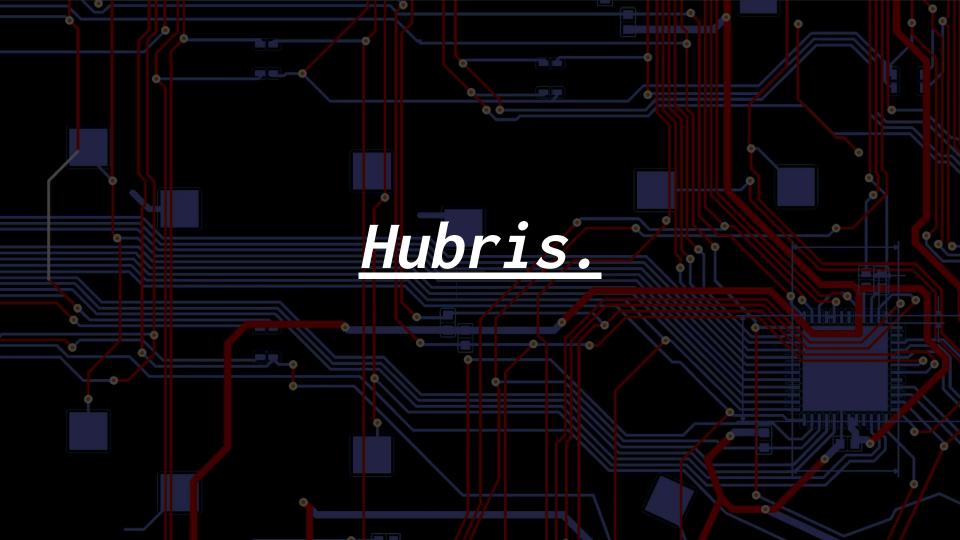


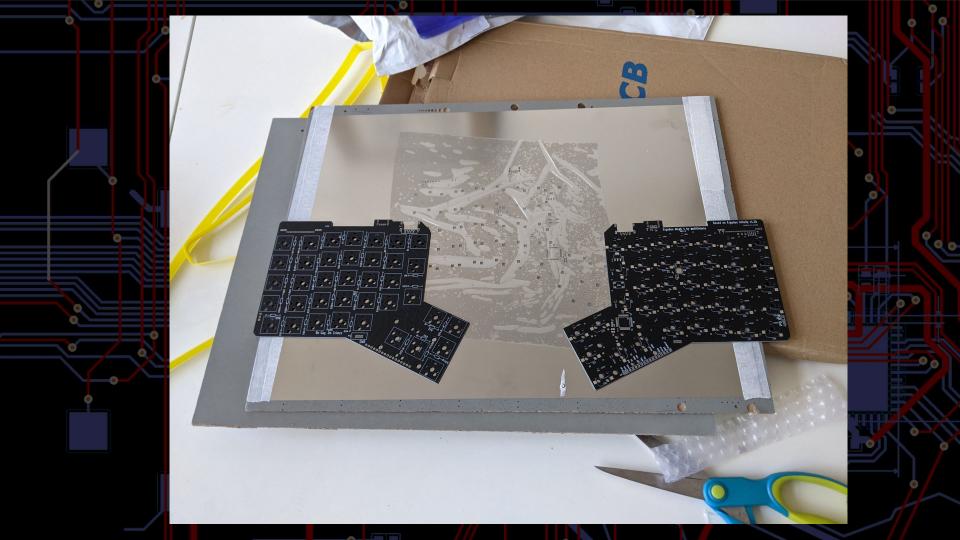


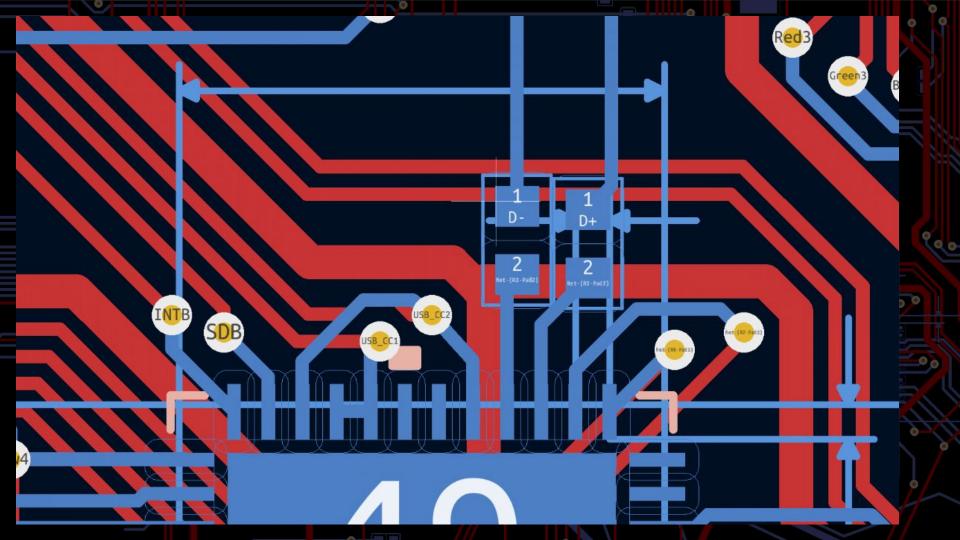


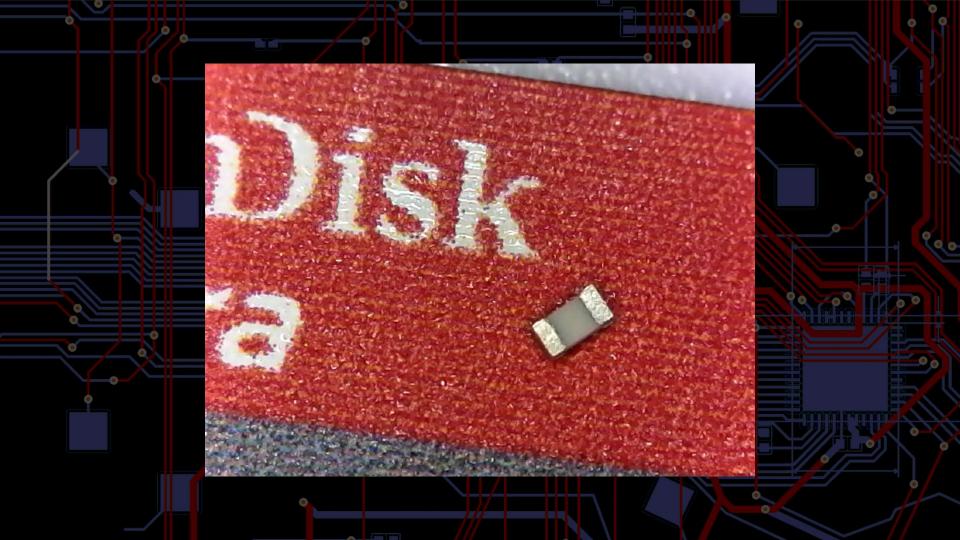
Sorry to bother you, but there is an issue that we want to confirm with you before proceeding. As shown below, the hole to hole clearance is too narrow. Shall we reduce the holes diameter to make finished holes diameter as 0.4mm holes?



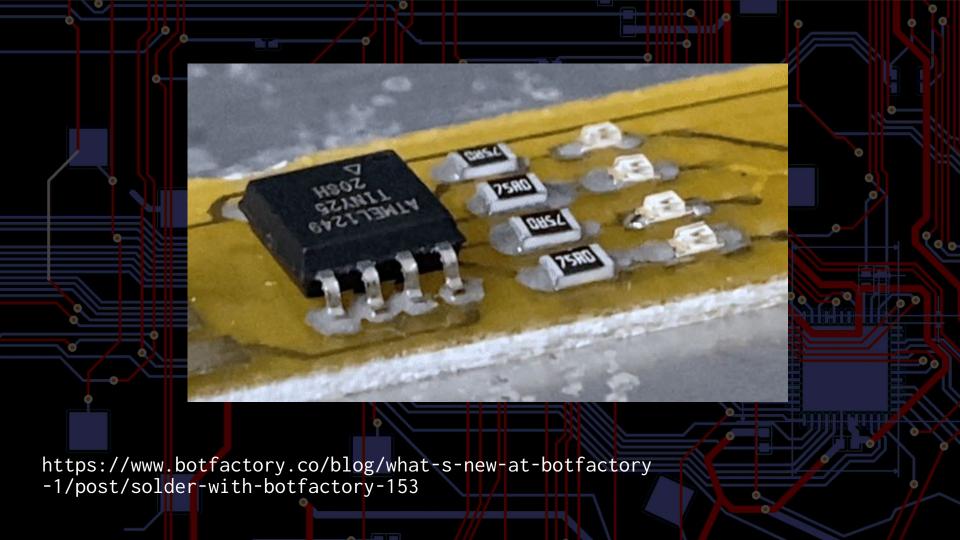


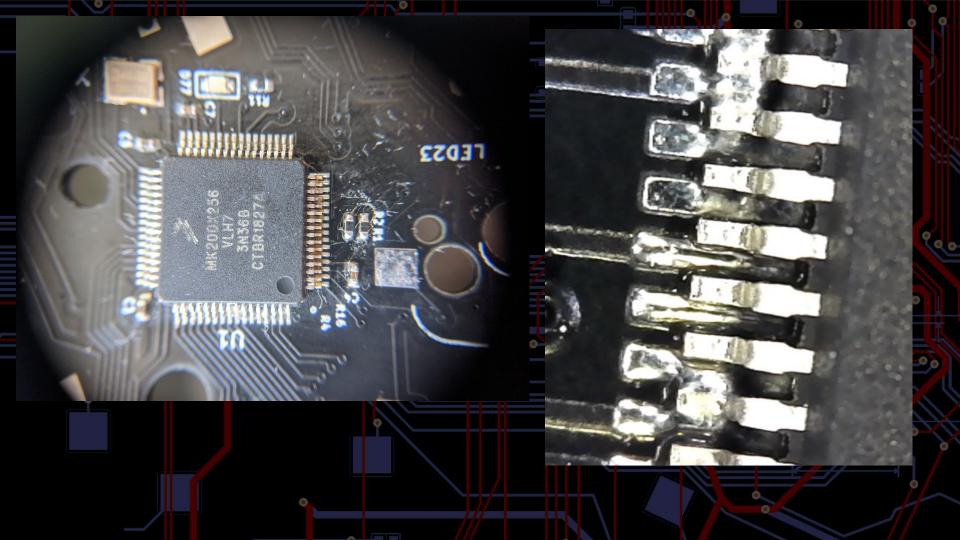


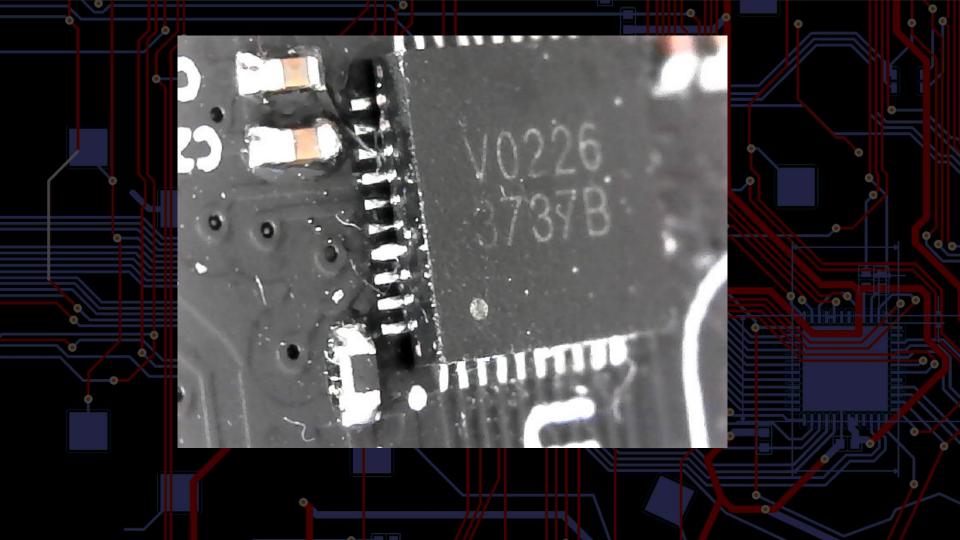


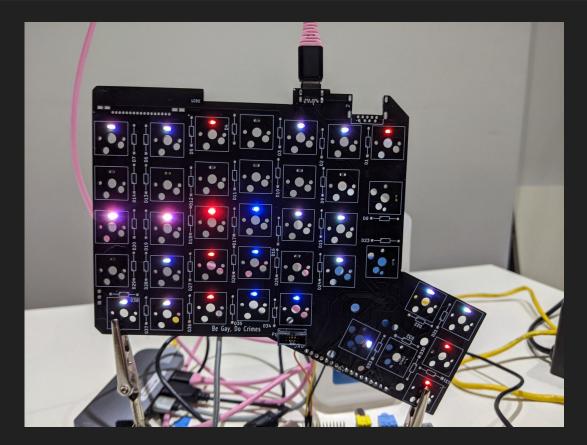






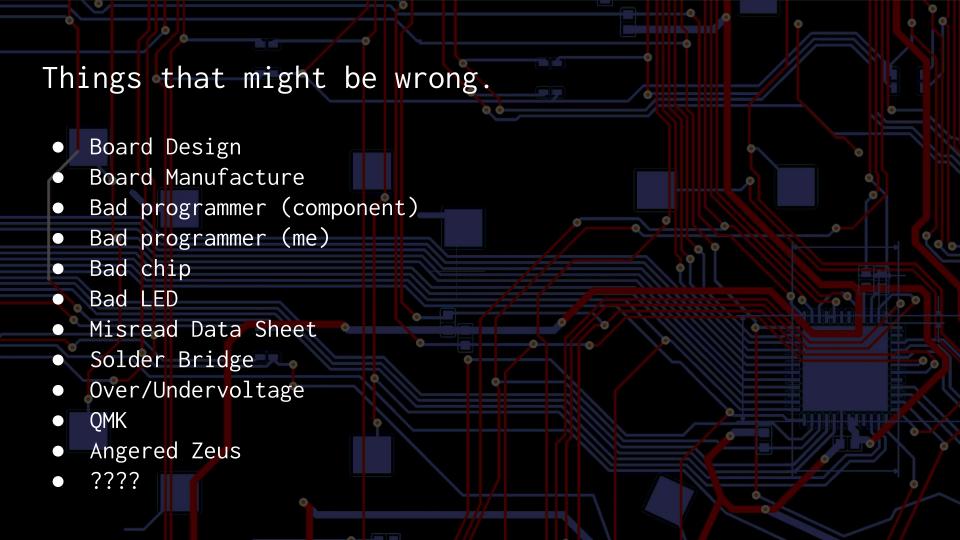


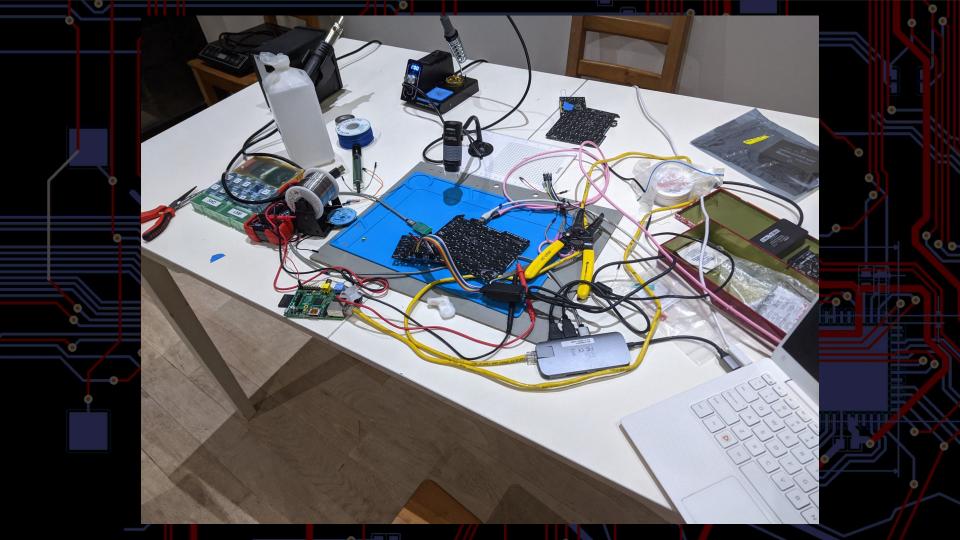




Hubris

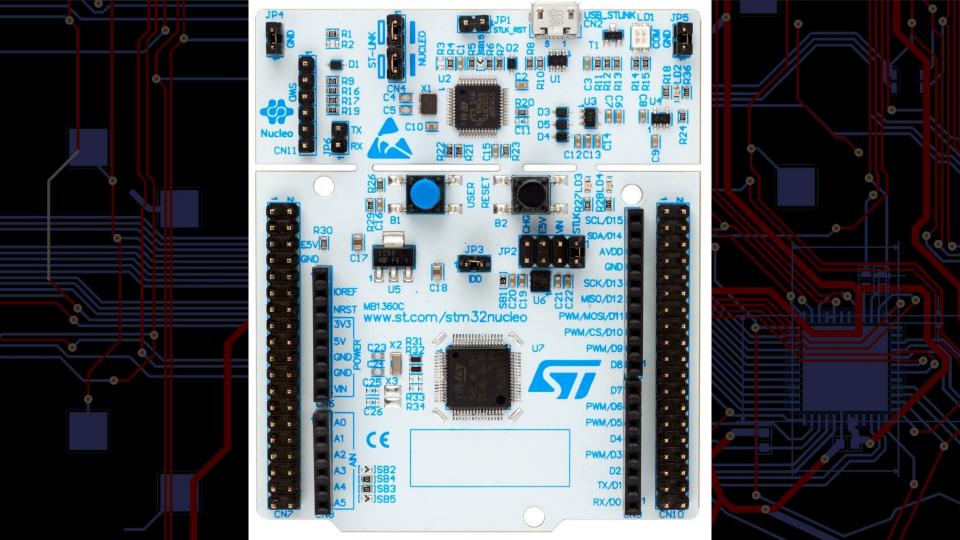
What did you think would happen?



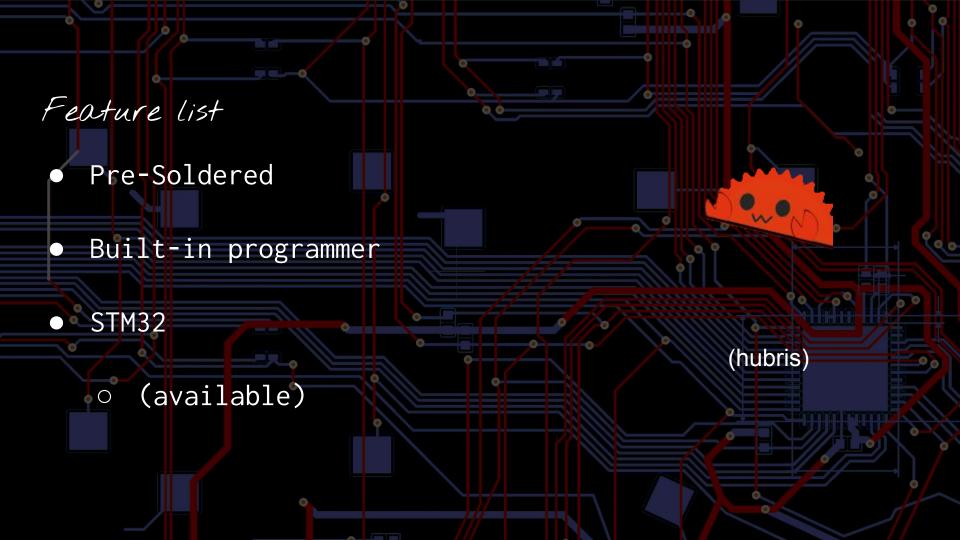




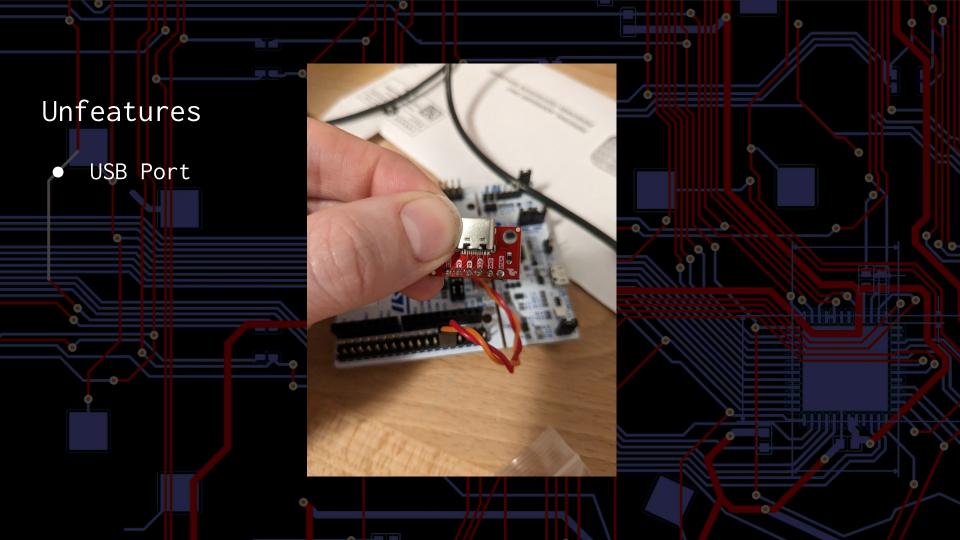


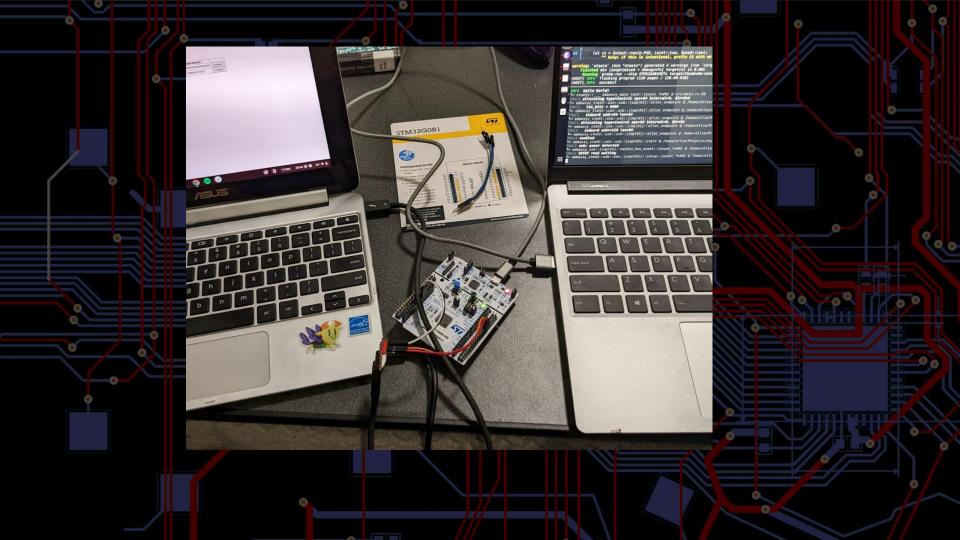






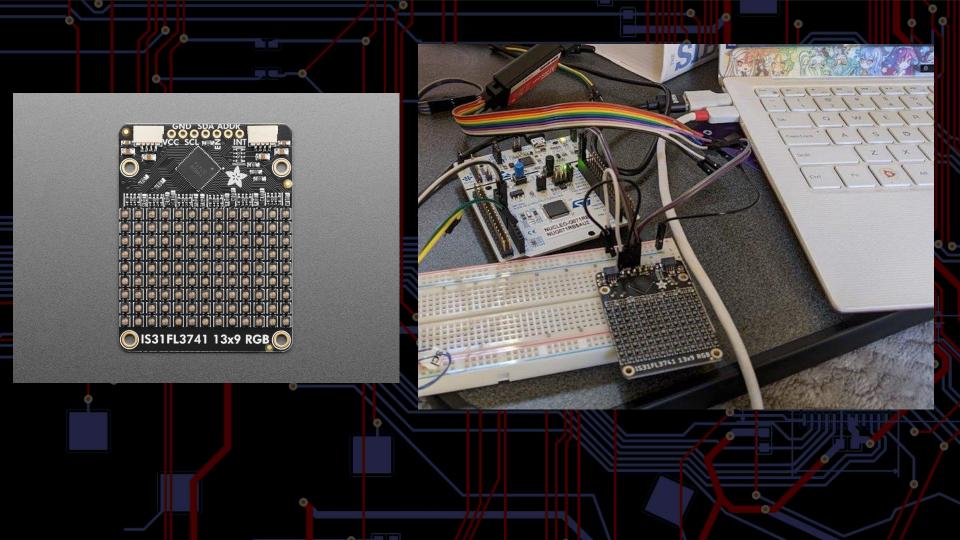


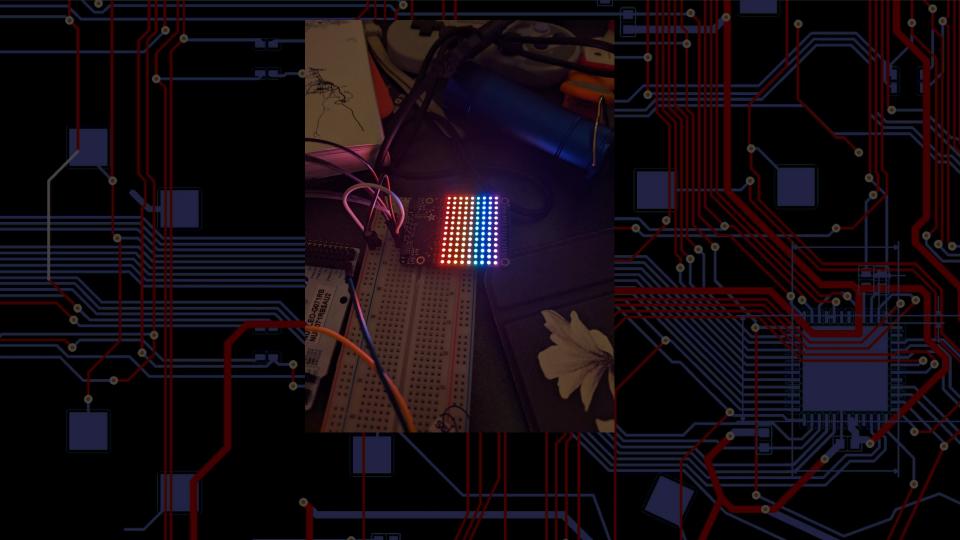








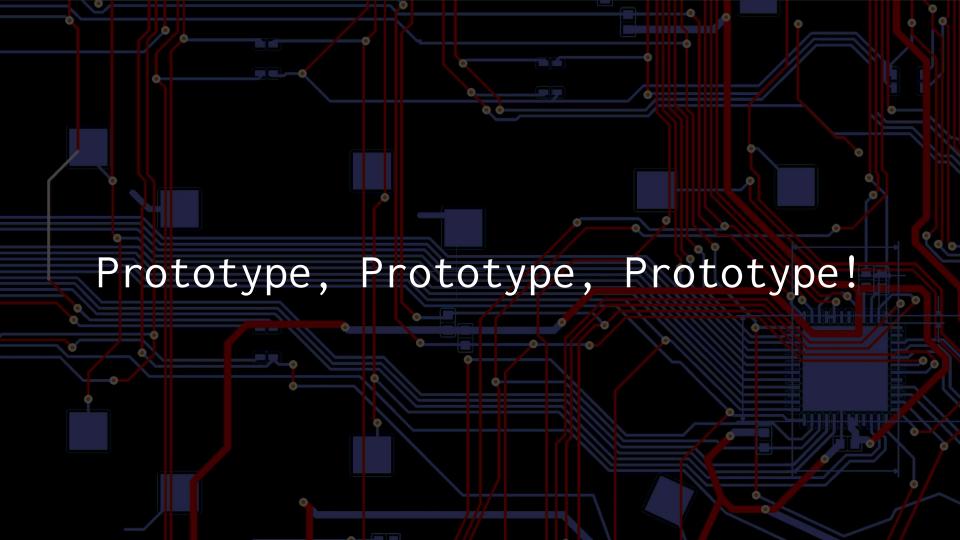






- I want to put these keycaps somewhere
 - I should get a mechanical keyboard
 - I should *build* a mechanical keyboard
 - How hard can PCB design really be
 - I'm sure I can learn to surface-mount solder
 - I2C can't be that complicated a protocol
 - C++ sucks let's do Rust
 - I've never written a driver but I bet I can do this
 - The library has a copy of a book on the USB protocol
 - (Slides won't let me indent anymore)











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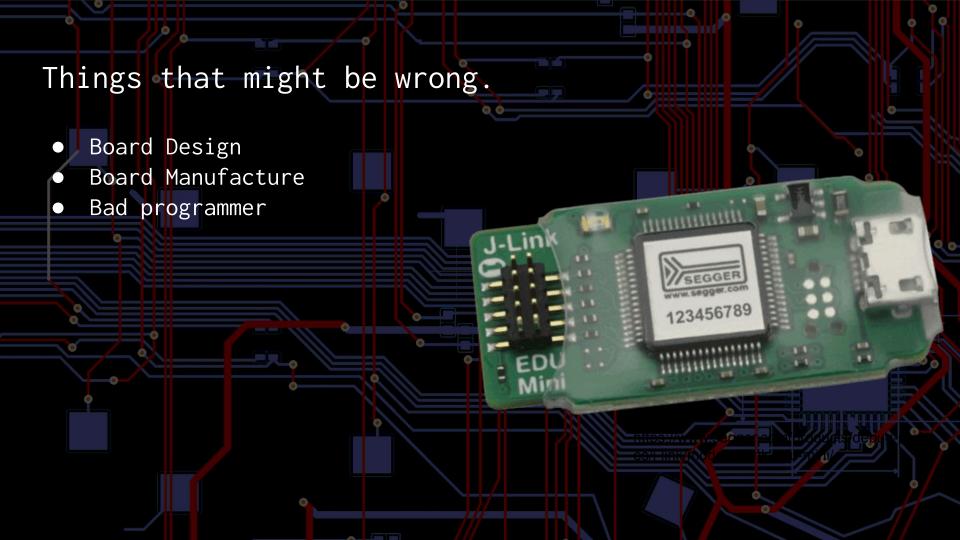
cohost.org/stillinbeta

liz@stillinbeta.com

@beta@gayhorse.club

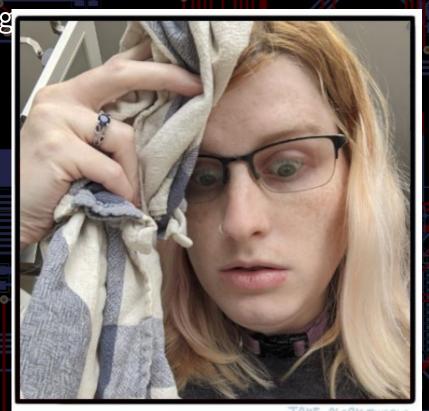


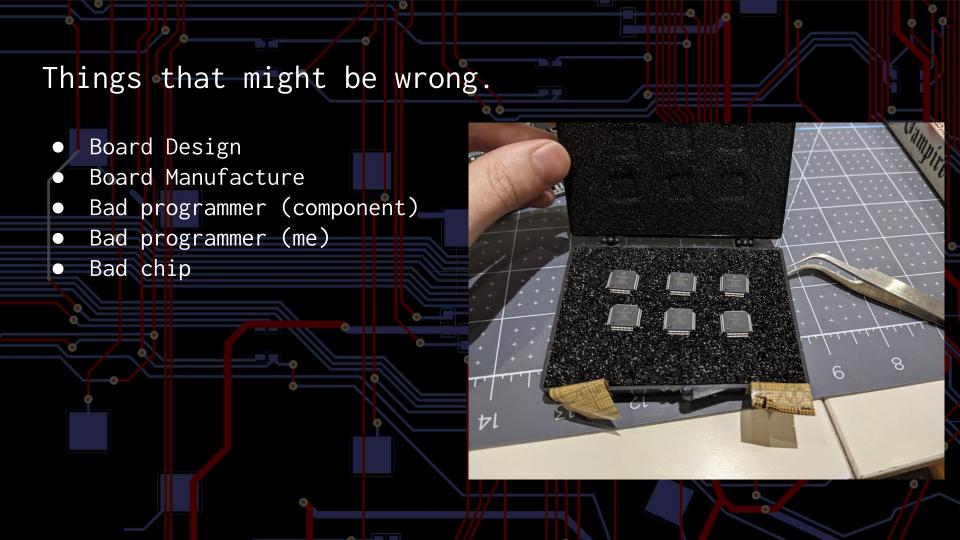


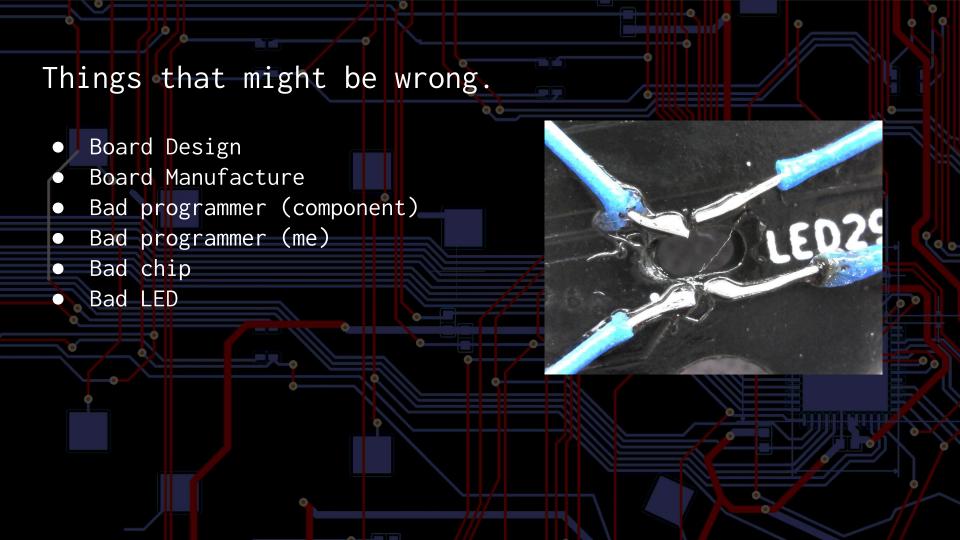


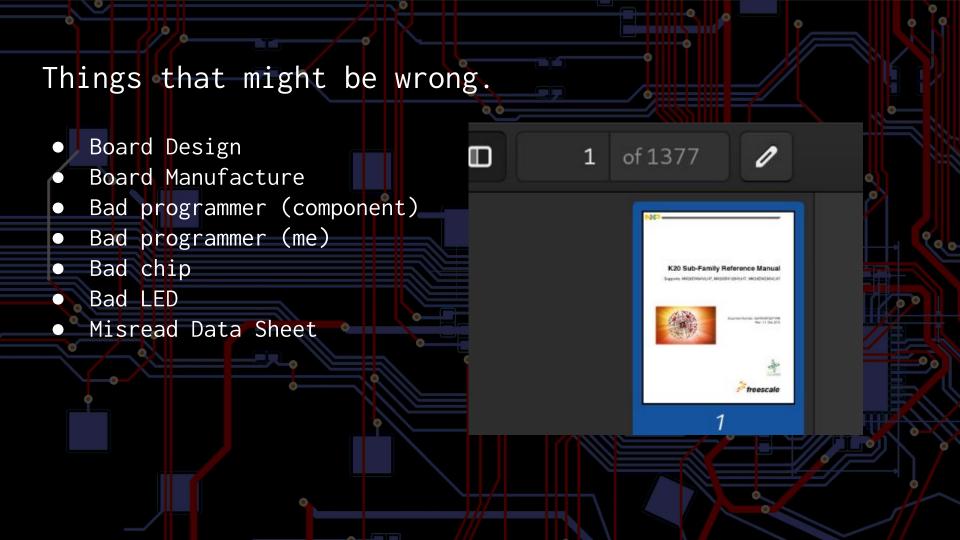
Things that might be wrong

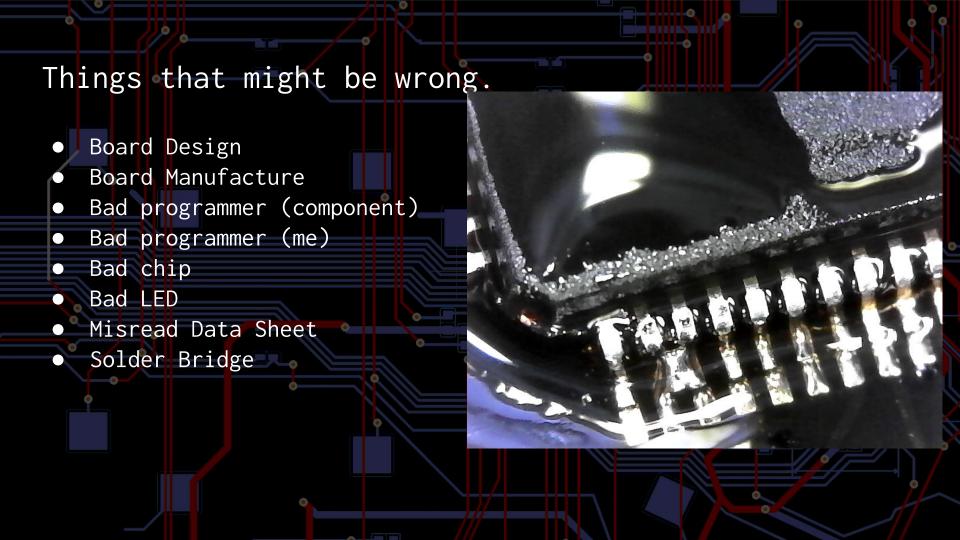
- Board Design
- Board Manufacture
- Bad programmer (component)
- Bad programmer











Things that might be wrong.

- Board Design
- Board Manufacture
- Bad programmer (component)
- Bad programmer (me)
- Bad chip
- Bad LED
- Misread Data Sheet
- Solder Bridge
- Over/Undervoltage



