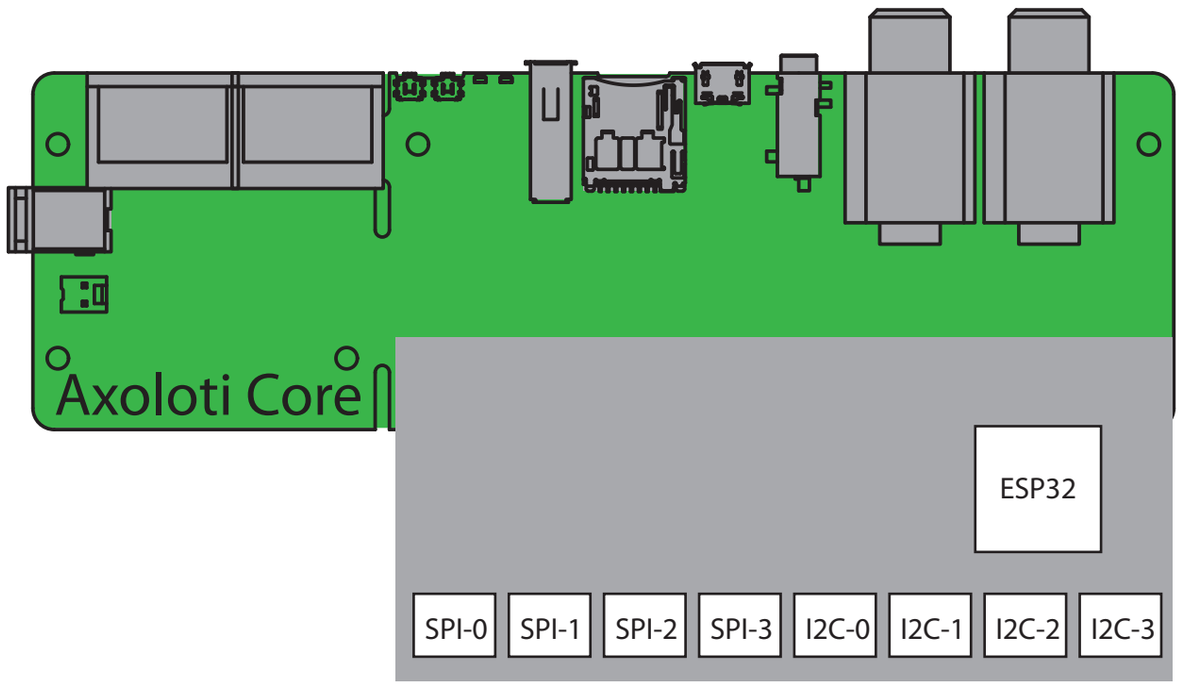
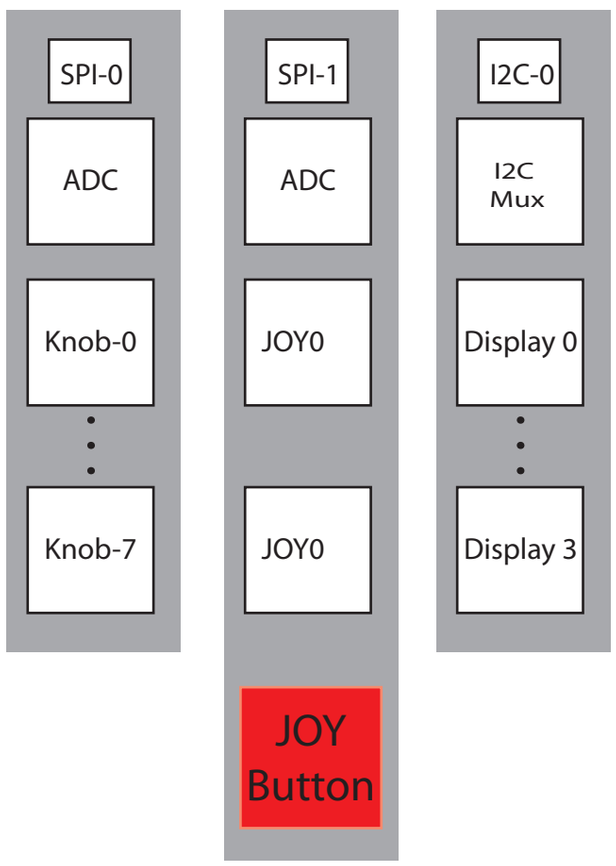
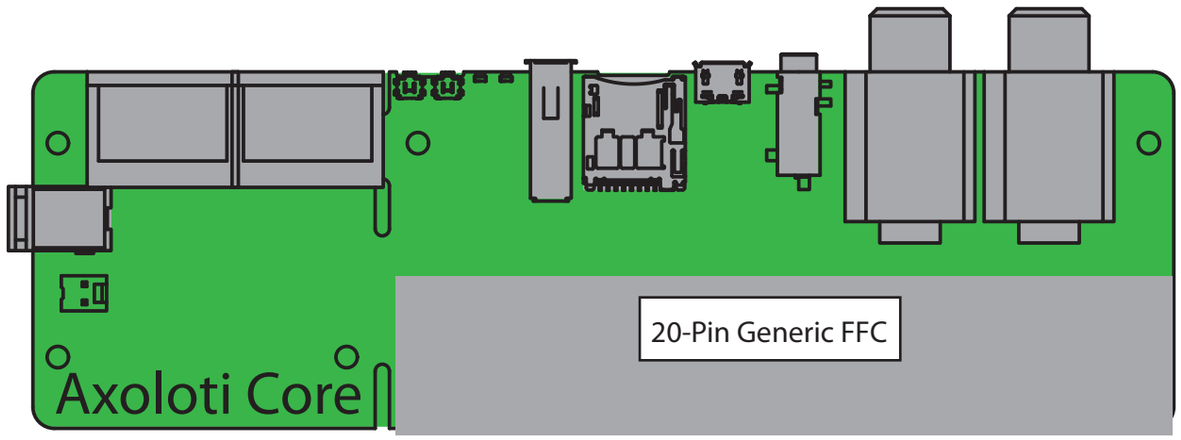
Universal Serial Breakout Scheme

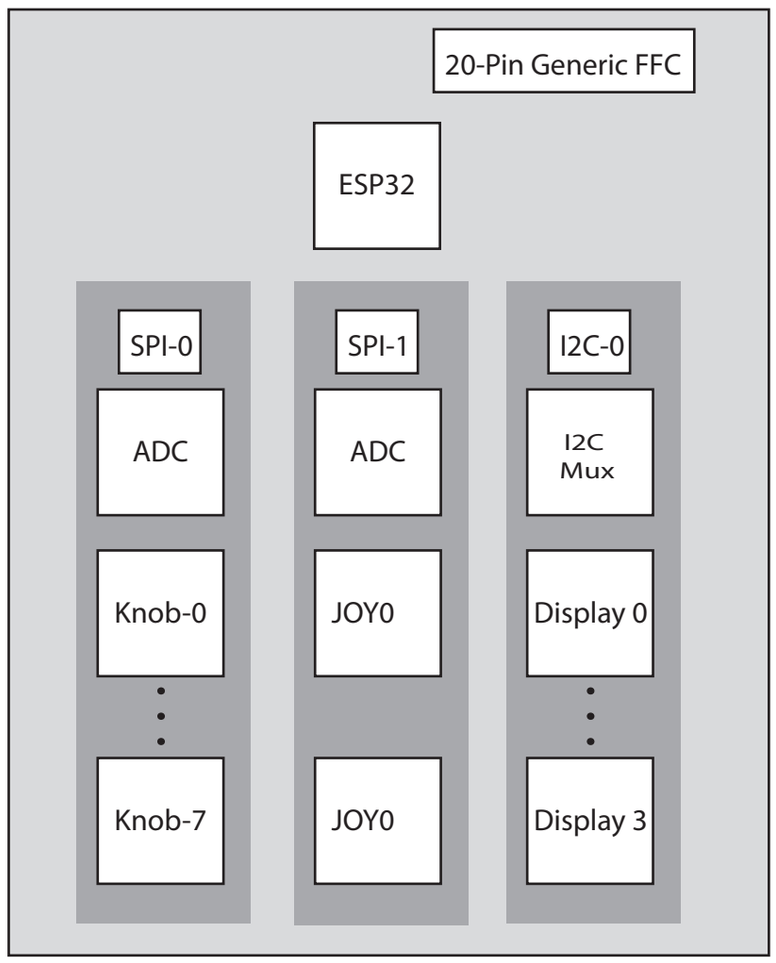


20-Pin Generic FFC

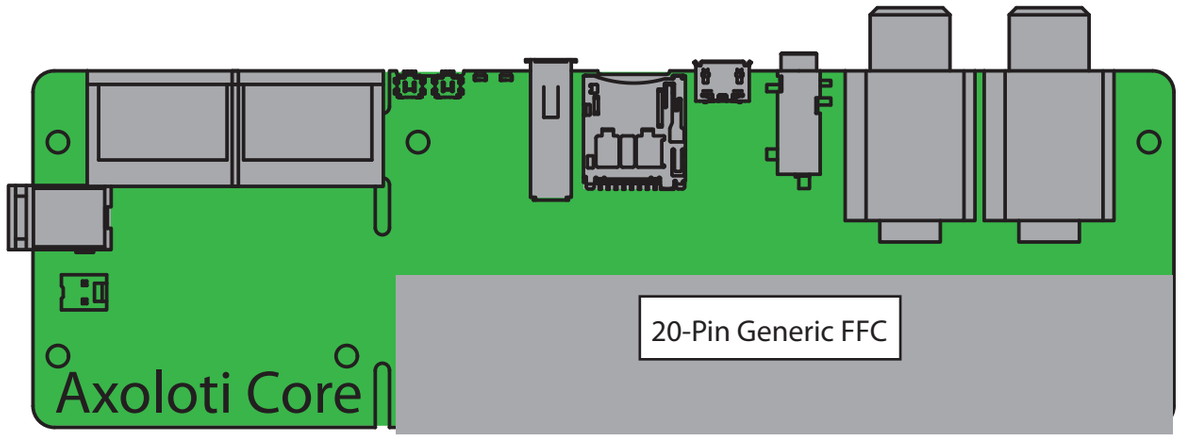


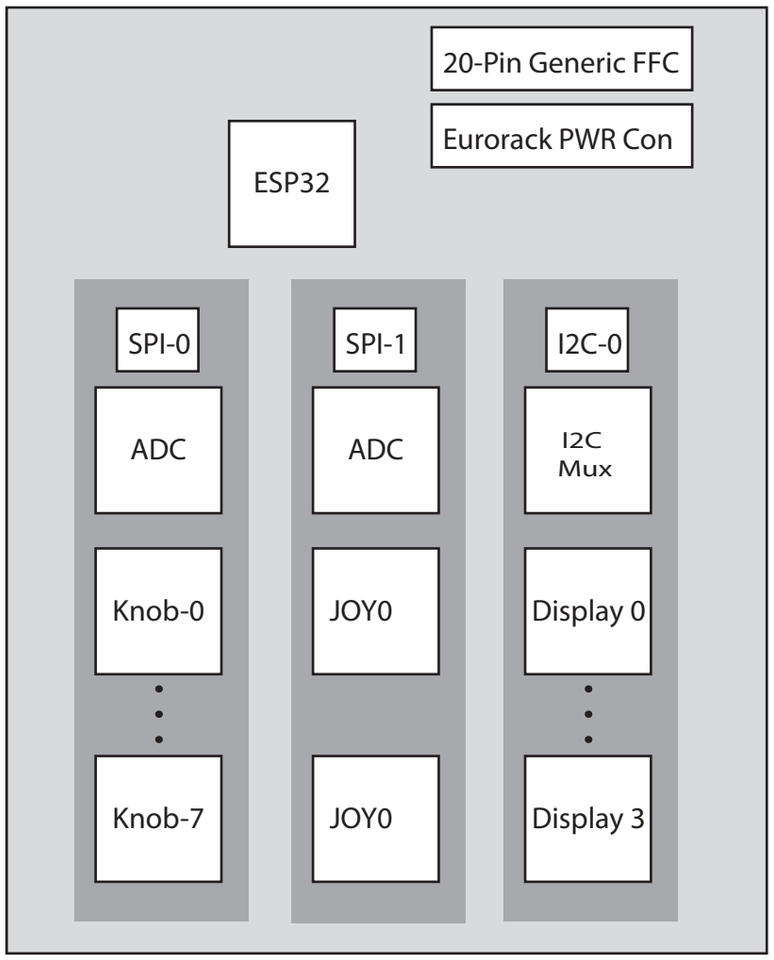
Each module has it's own brain
Basic serial communication to the Axo core

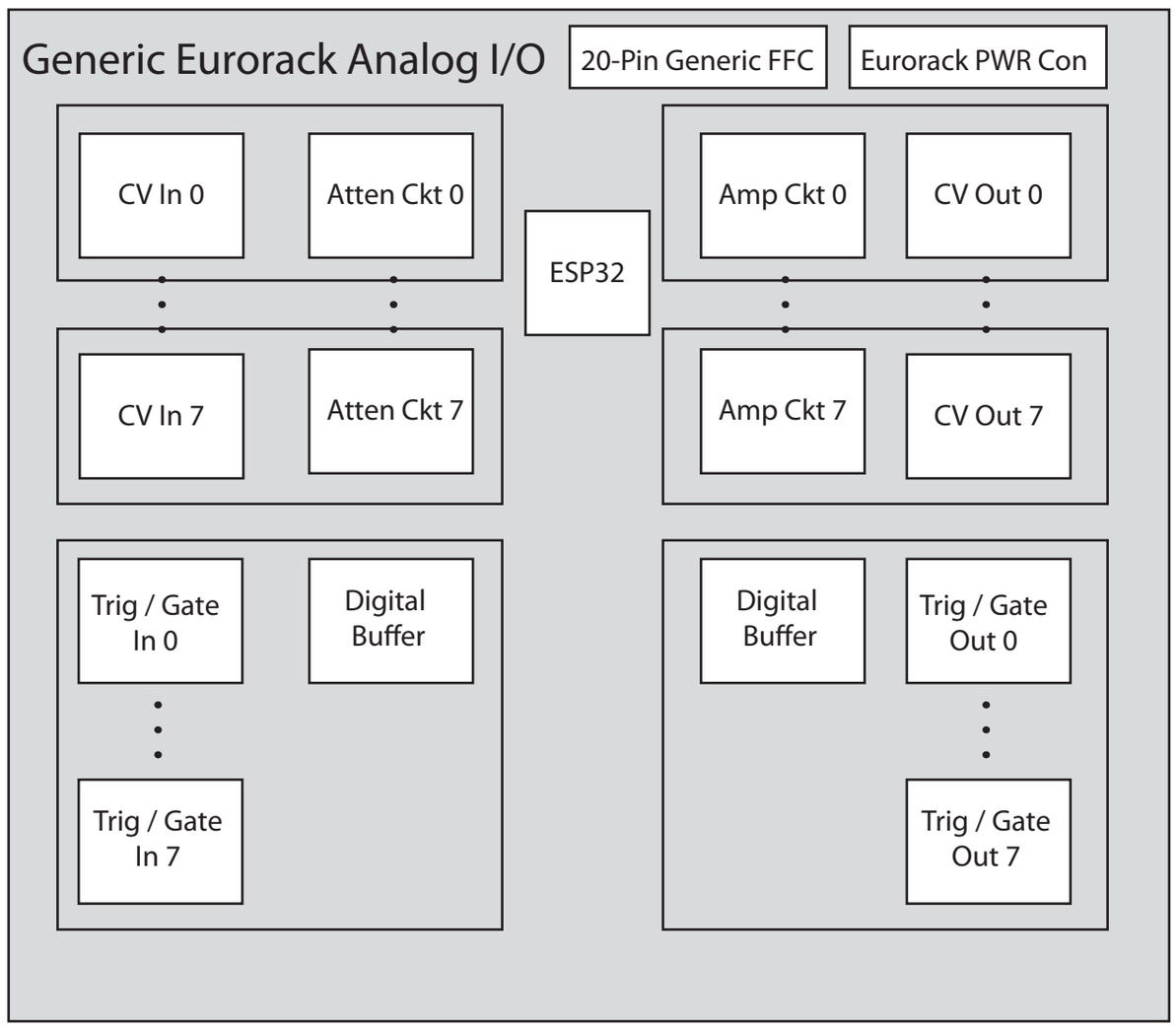


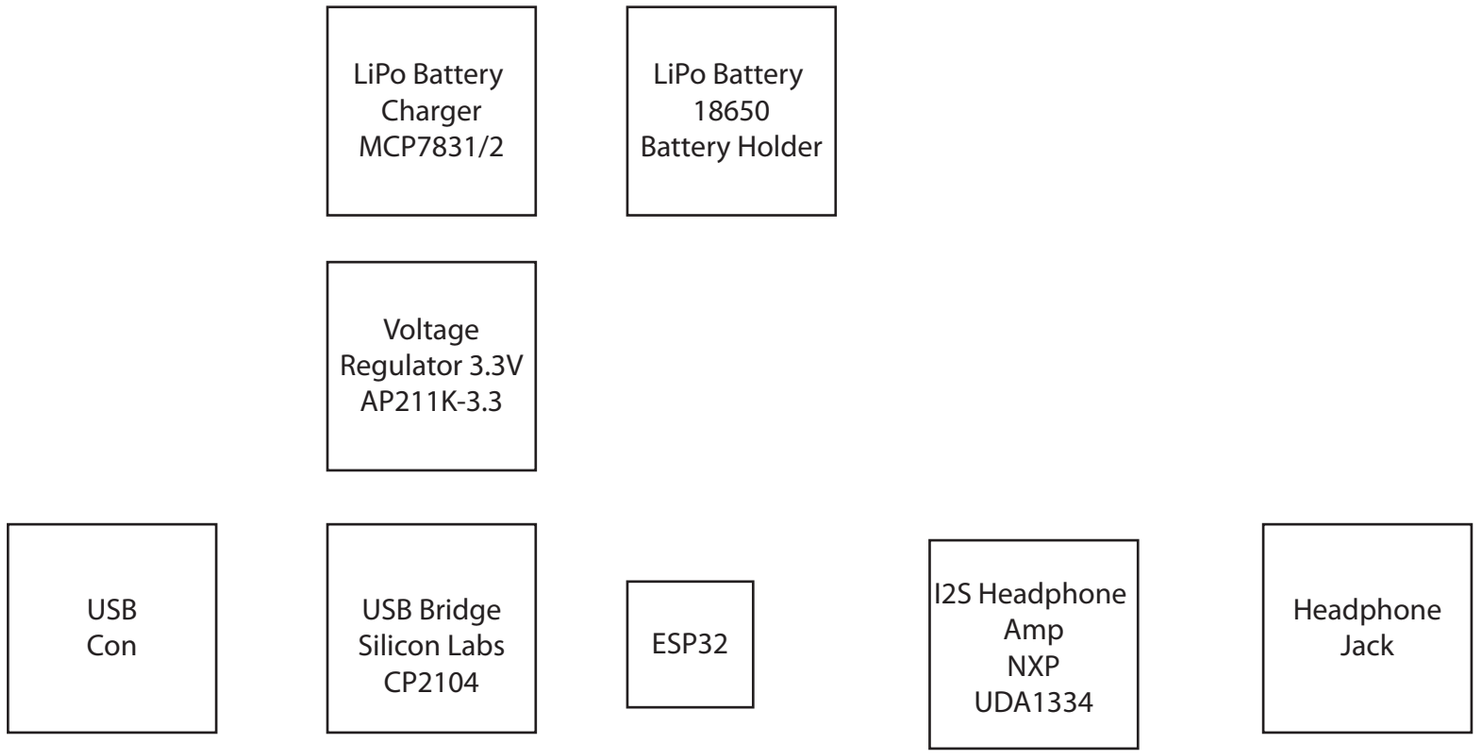


Sketching other modules to think about needs across designs

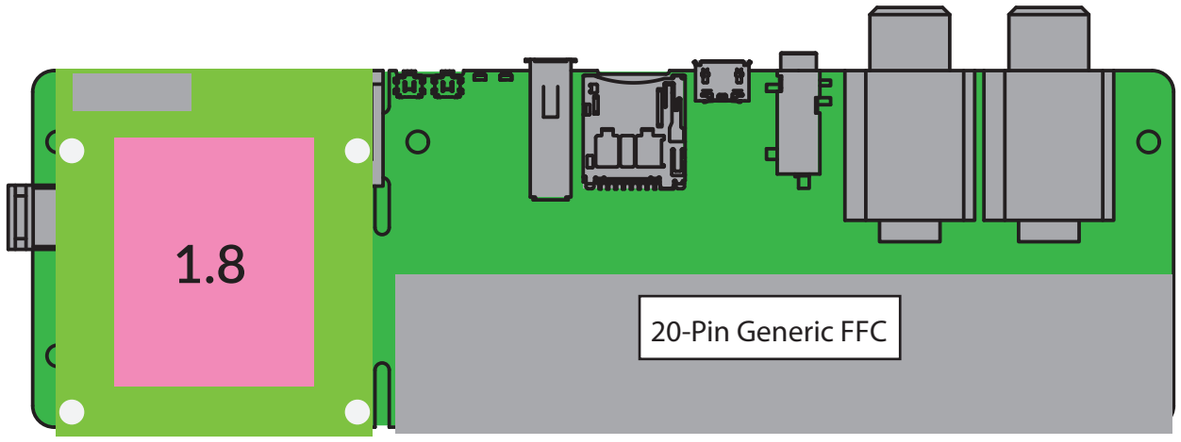




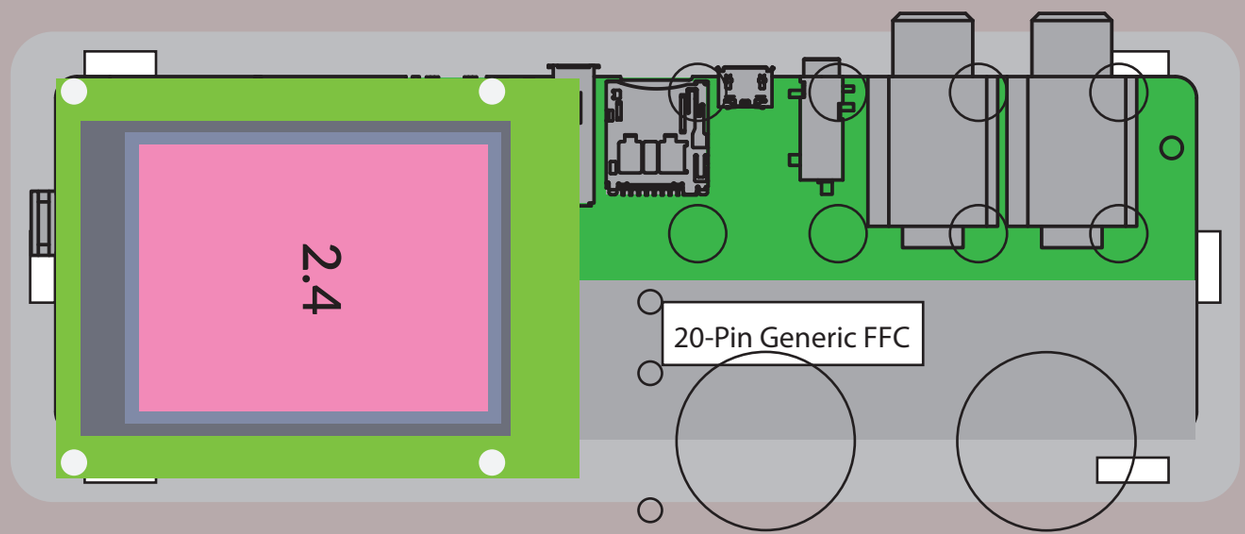


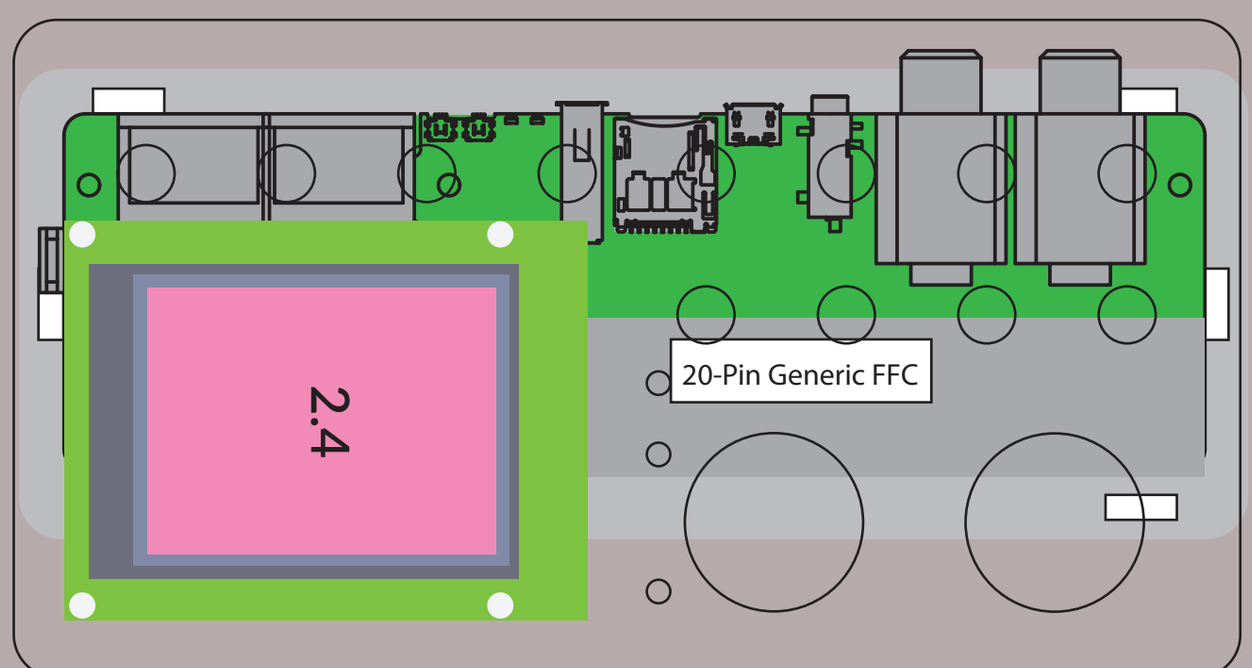

LiPo Battery
Charger
MCP7831/2
LiPo Battery
18650
Battery Holder
Voltage
Regulator 3.3V
AP211K-3.3
USB
Con
USB Bridge
Silicon Labs
CP2104
ESP32
I2S Headphone
Amp
NXP
UDA1334
Headphone
Jack

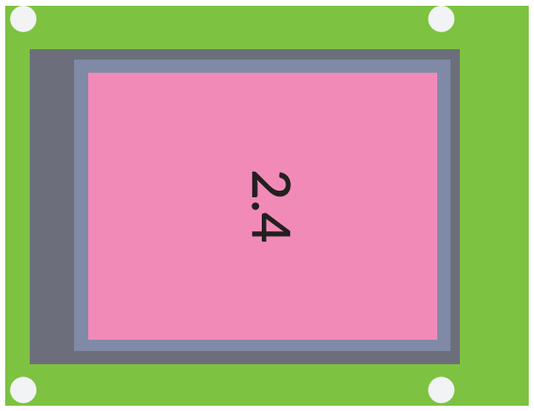
Axoloti Core Designs



Axoloti Eats into Wanderlust market, extra work. May as well update wanderlus

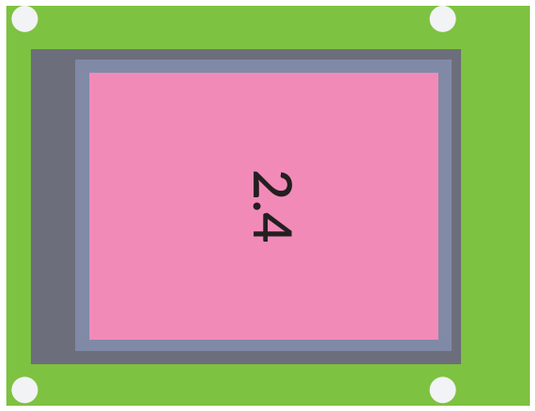






ESP32

Fast Boot



PI

Less Dev Time
(Audio + Video
Built In)

Slow Boot

More expensive (3X -> 9X)

Battery

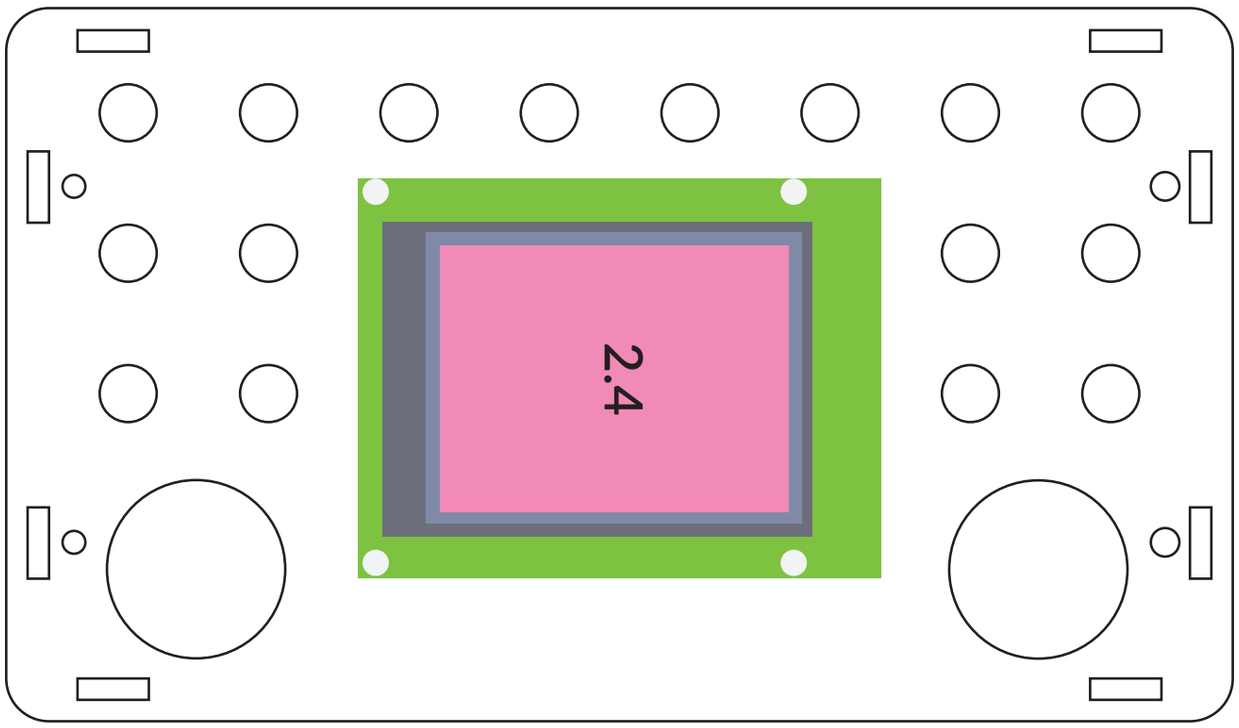
ESP32 WROVER

18650

Audio Jack

USB

uSD

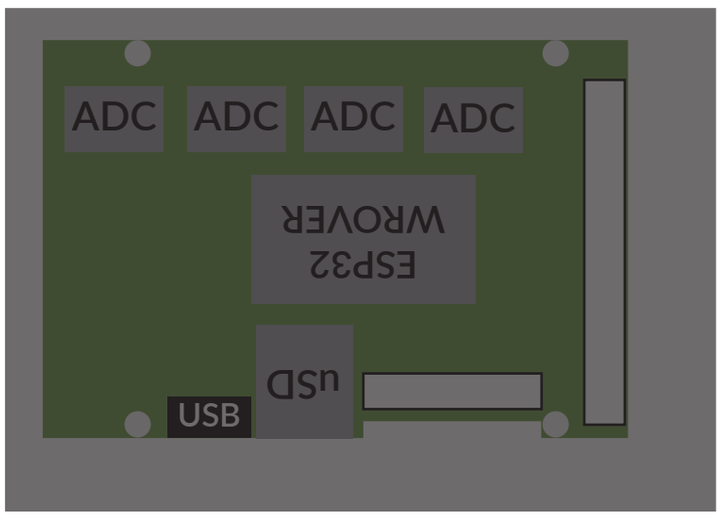


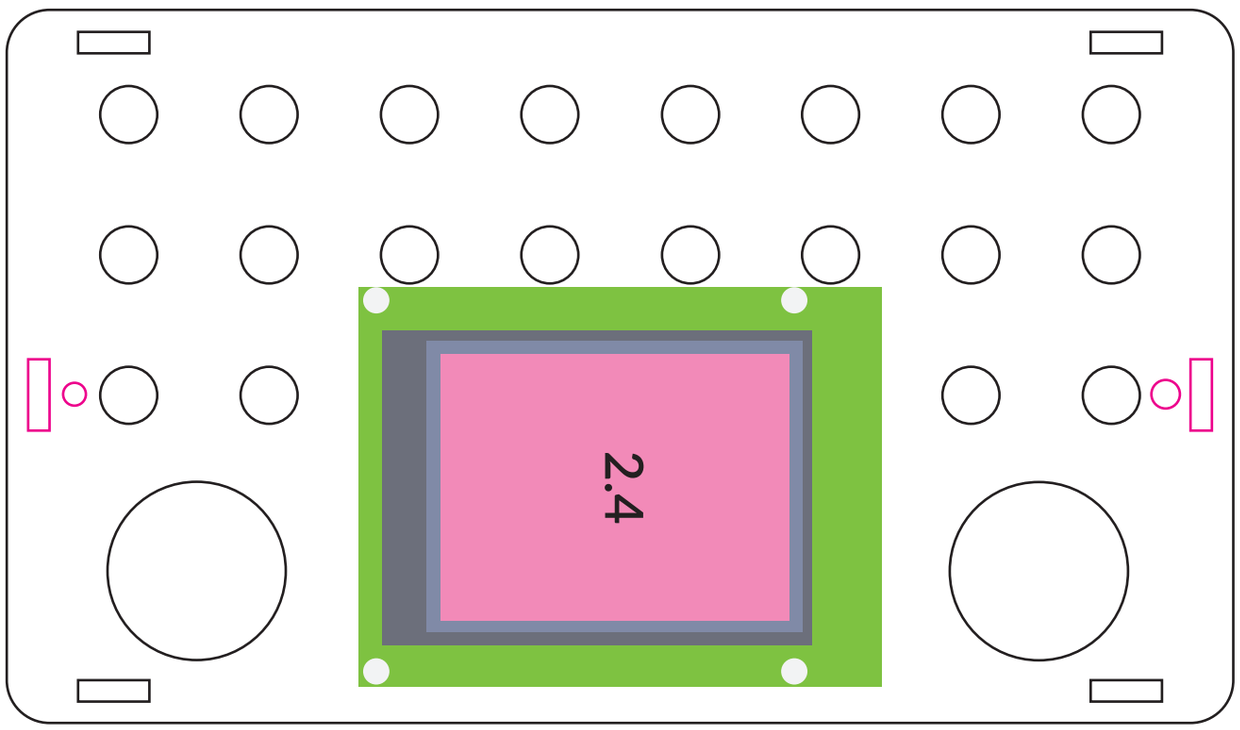
Audio Jack

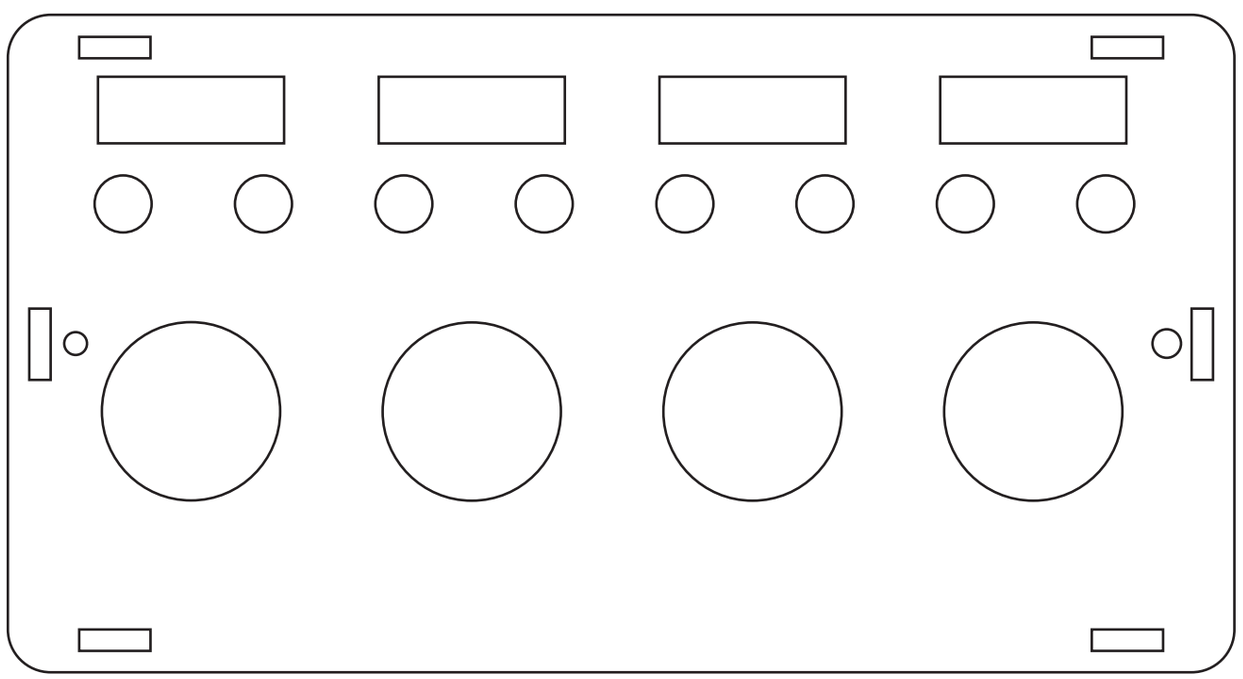
USB

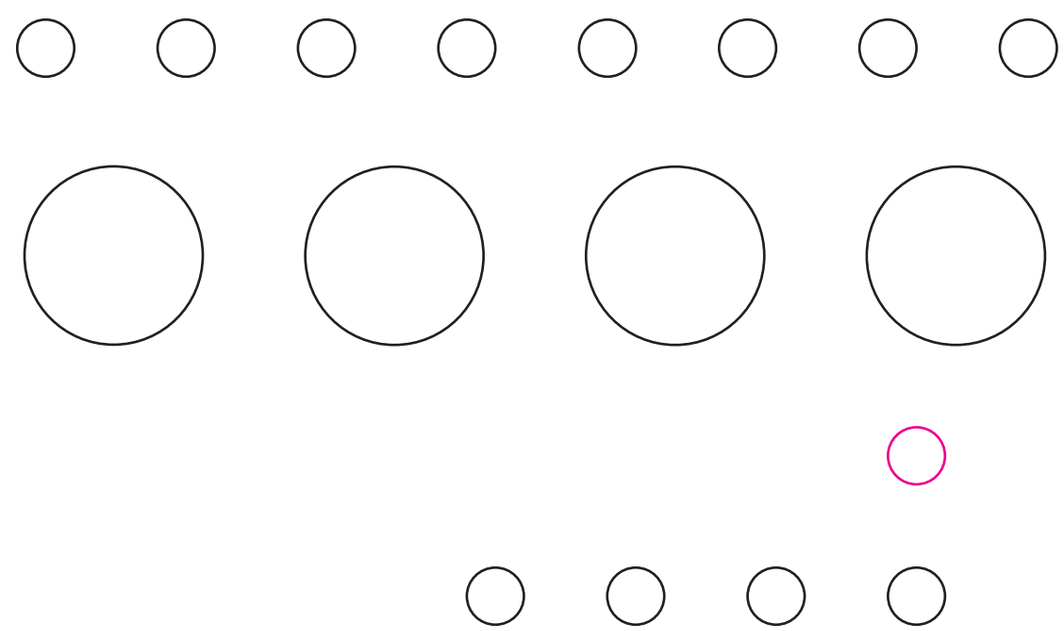
uSD

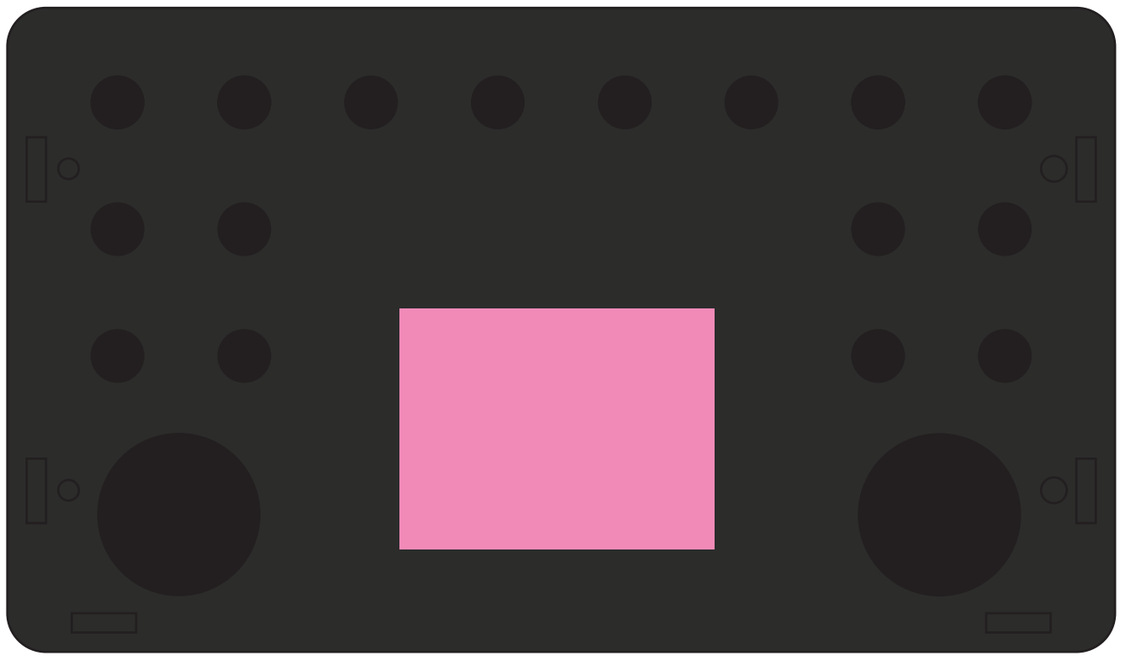
ESP32 WROVER

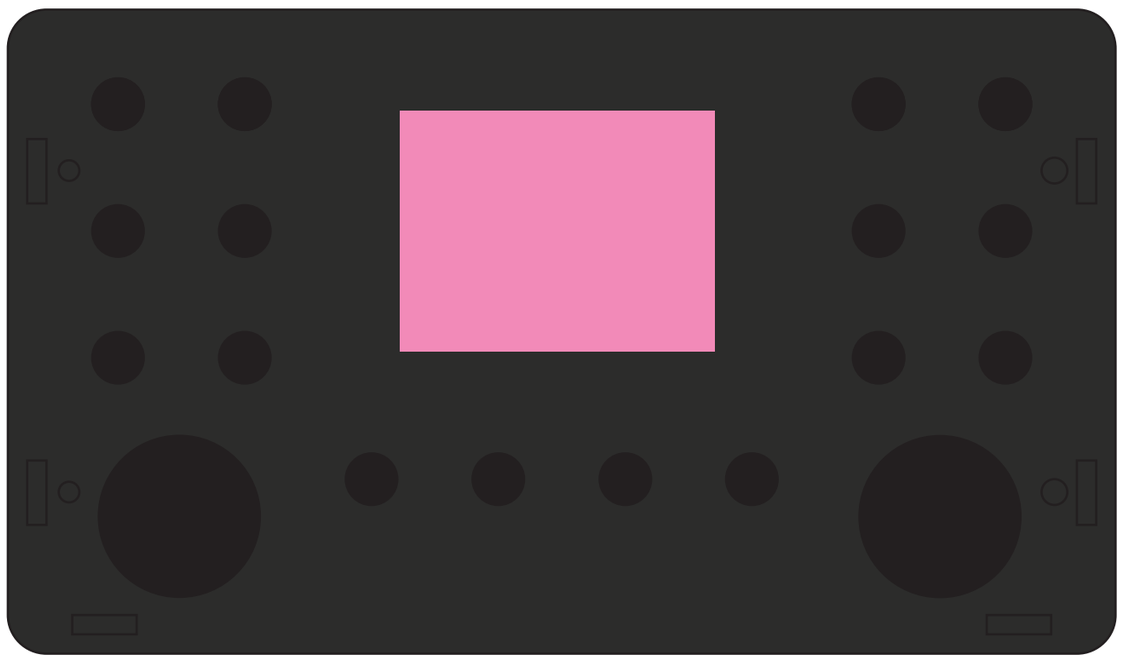


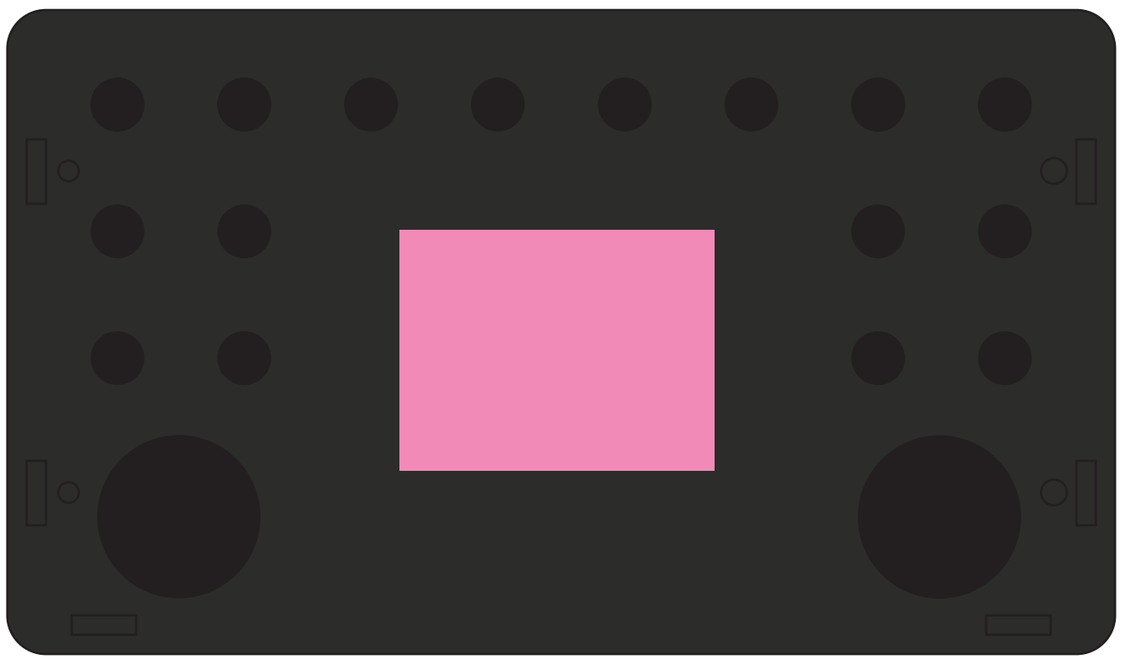


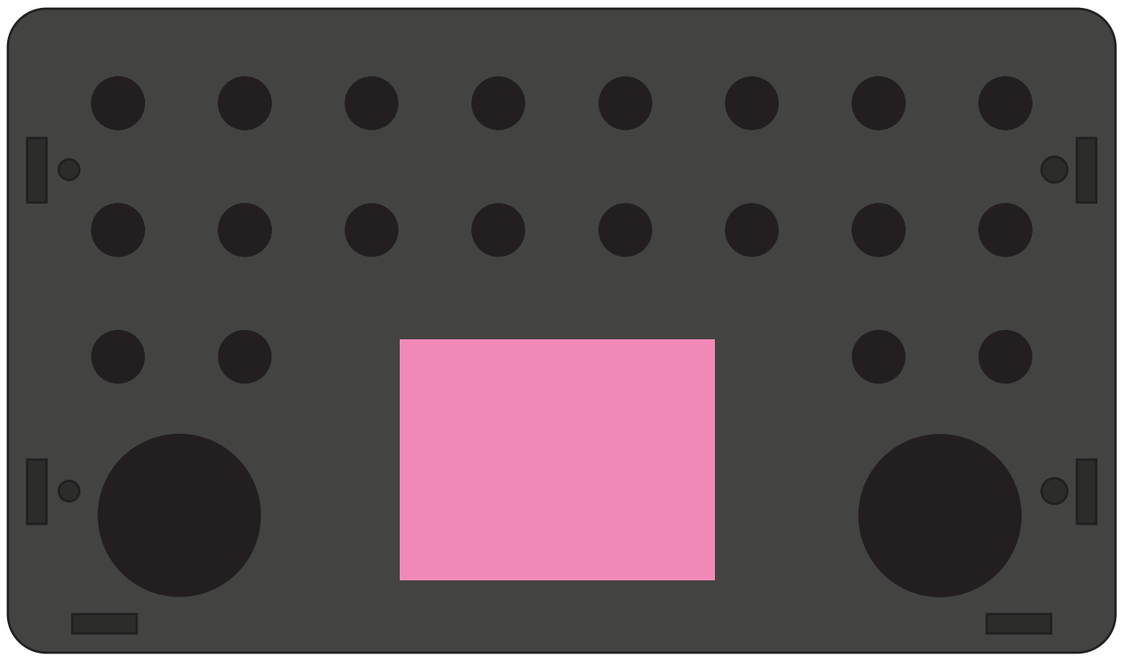


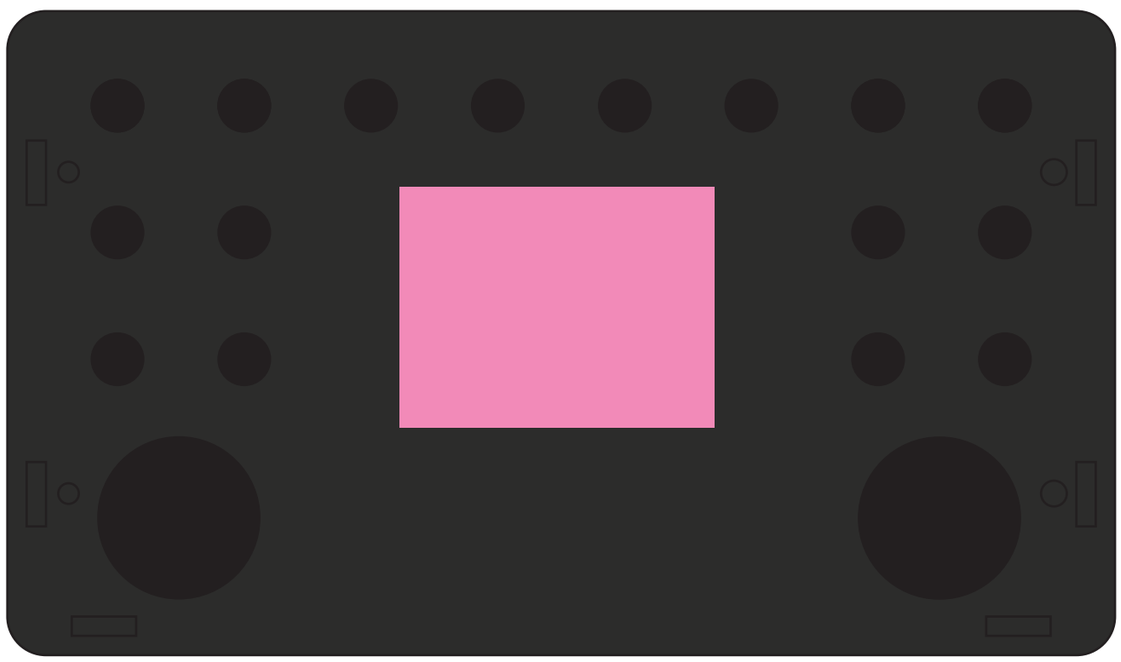


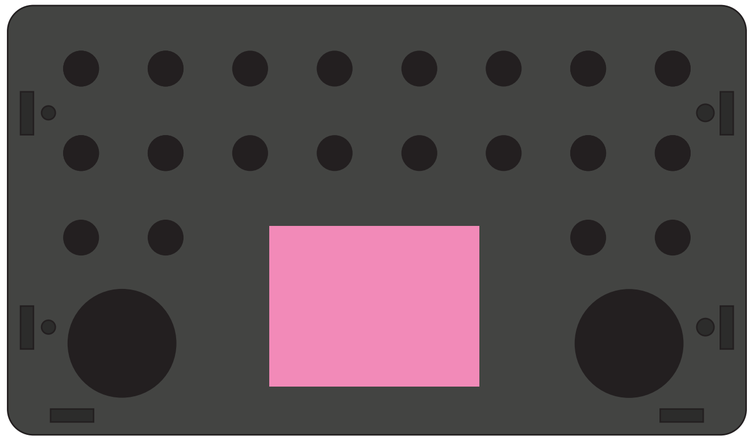




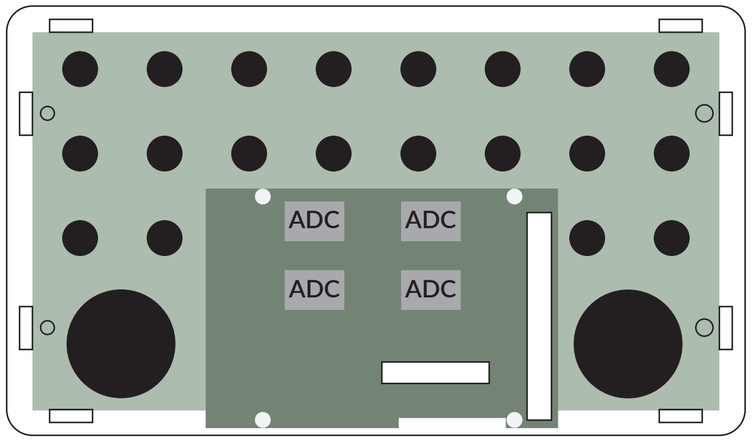


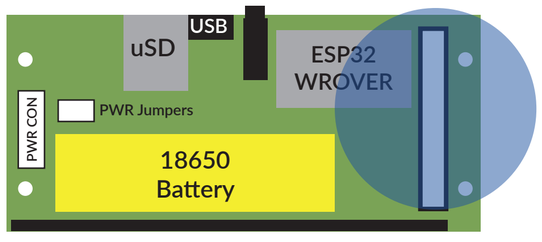




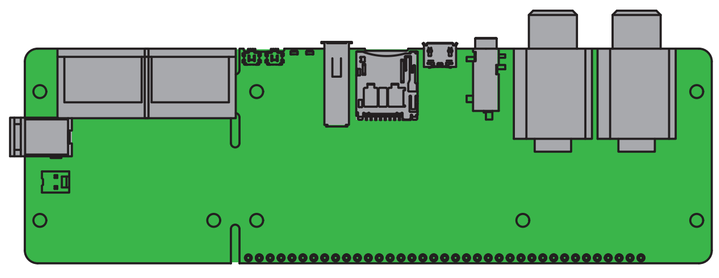


Believotron B5000

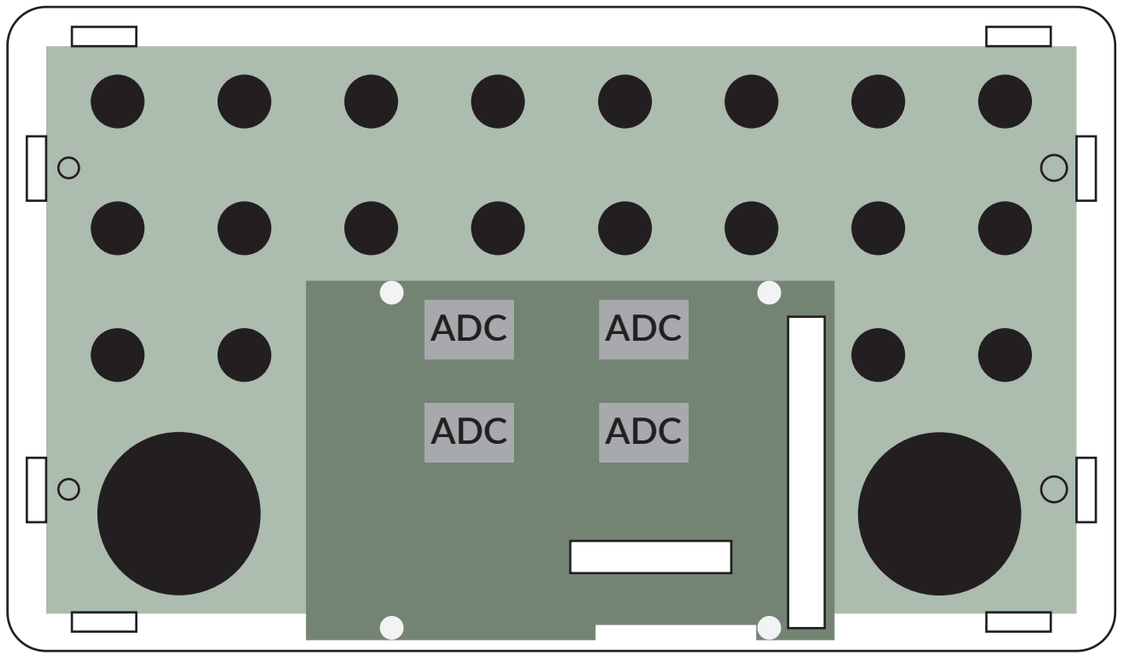




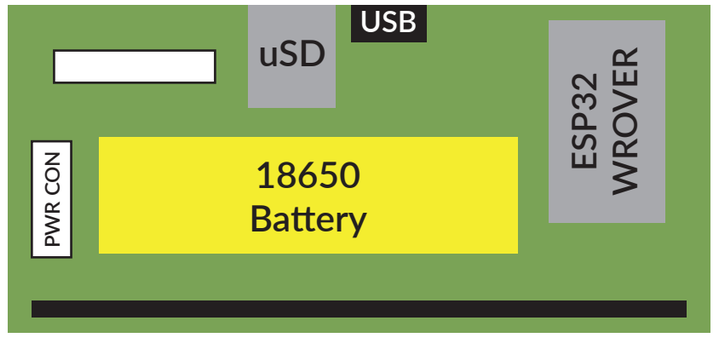
Add power PCB



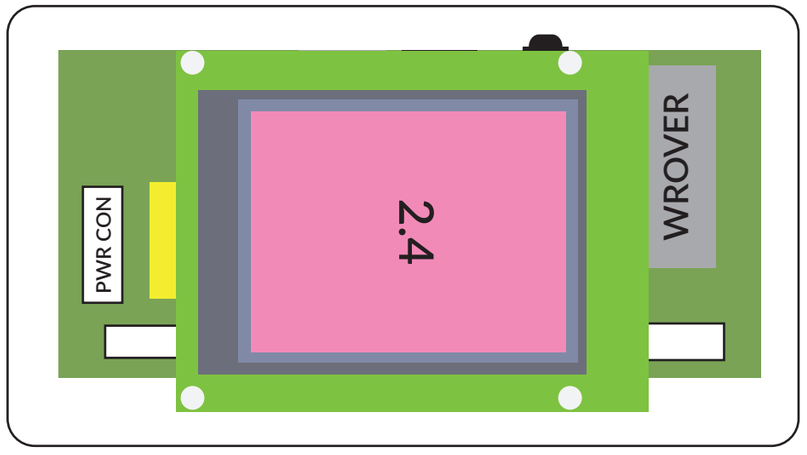
Believotron “5000” Alpha-0



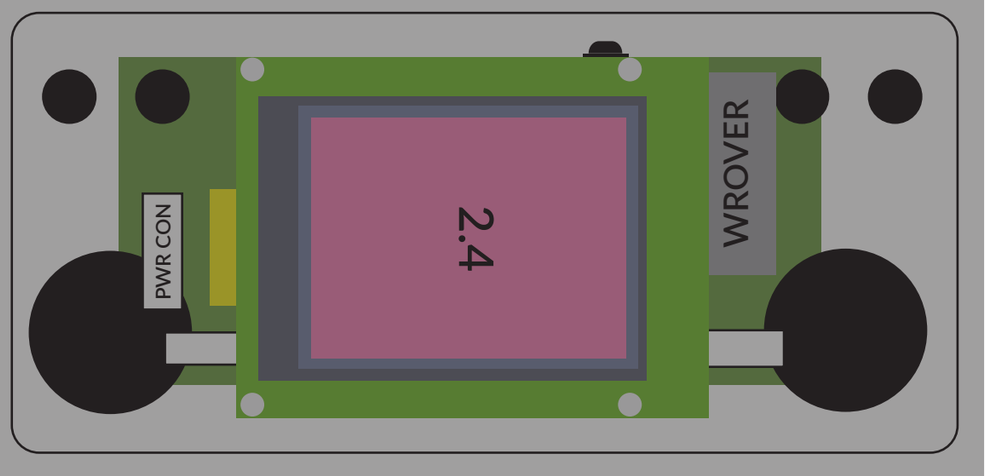
Smartbrain A0

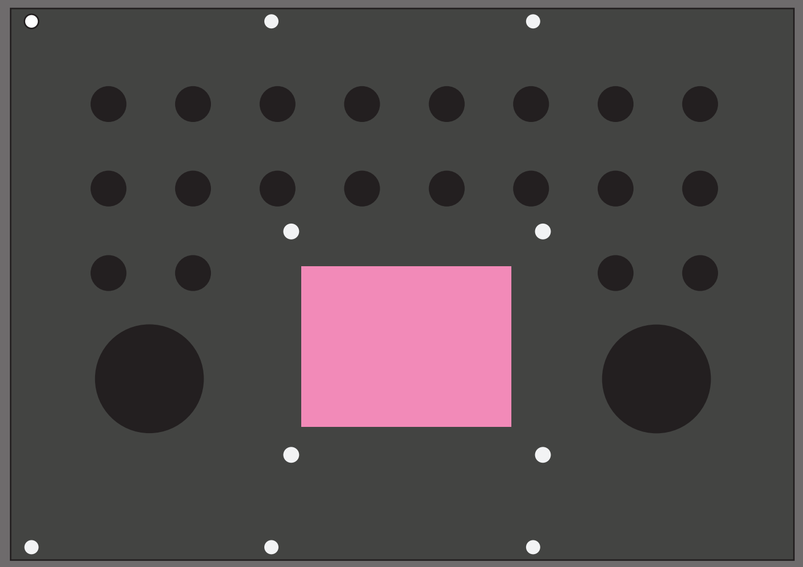


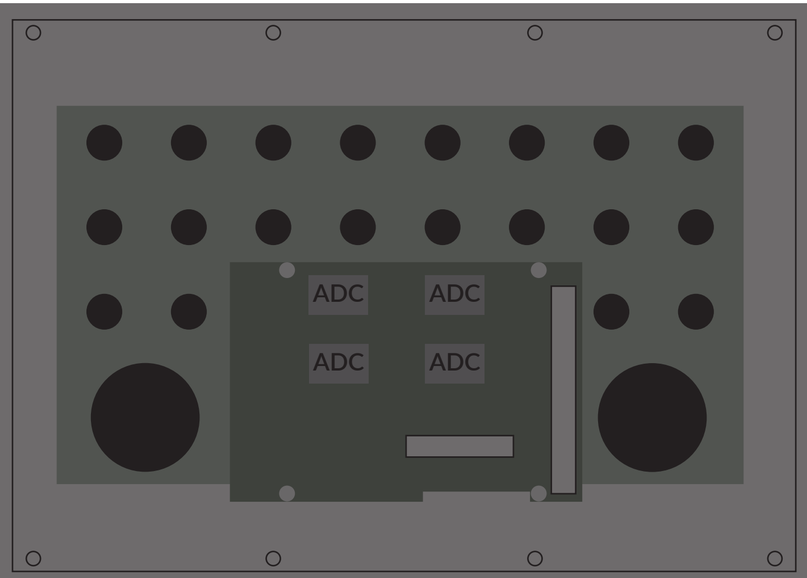
ESP32
2.4” Touchscreen
Dev-0



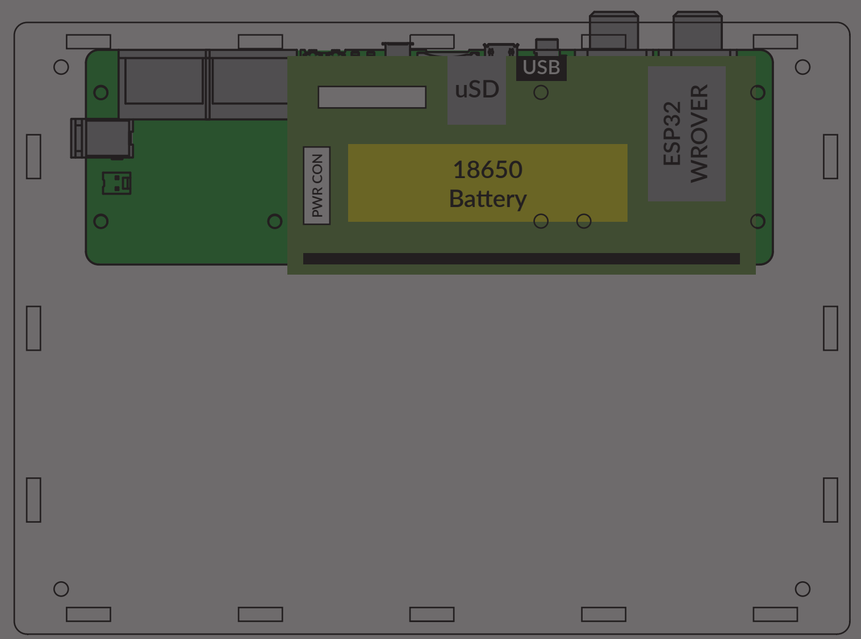
ESP32
2.4” Touchscreen
Dev-0

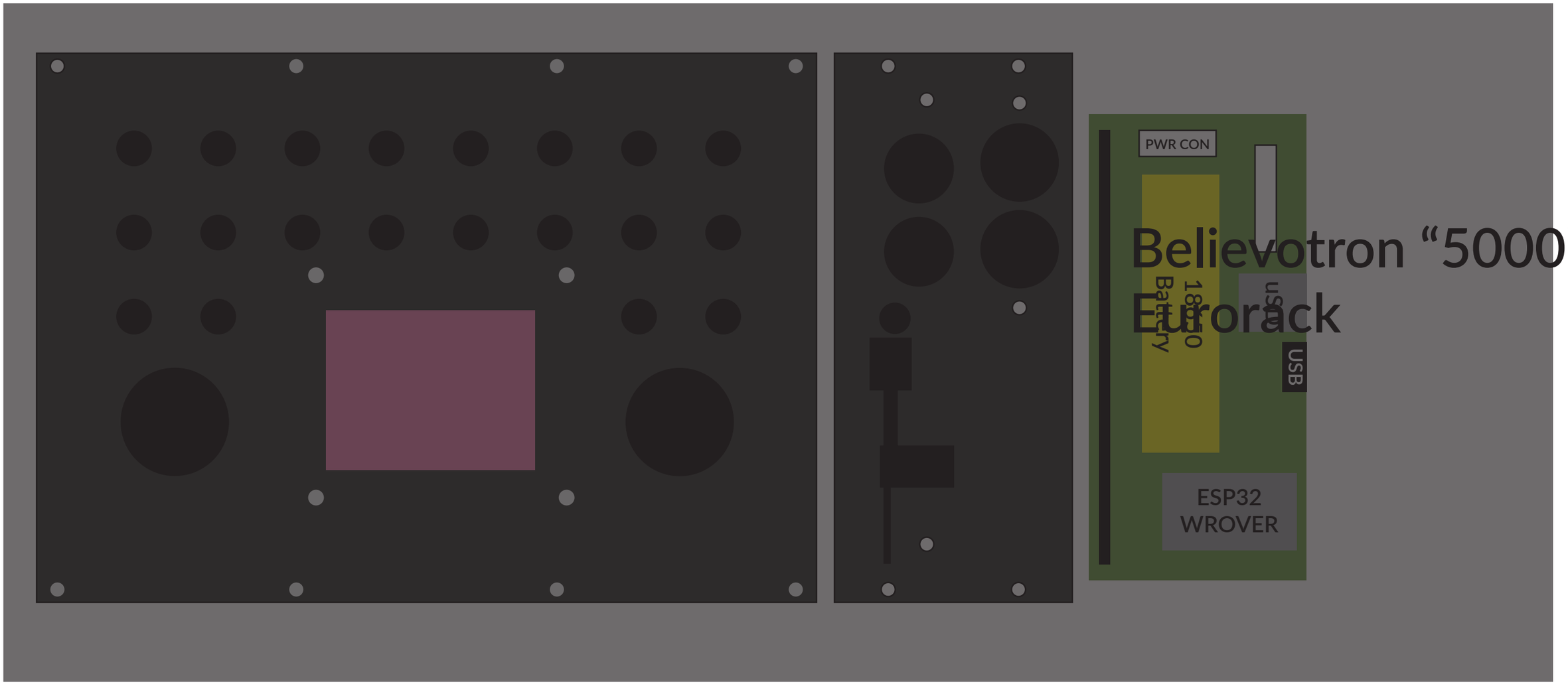




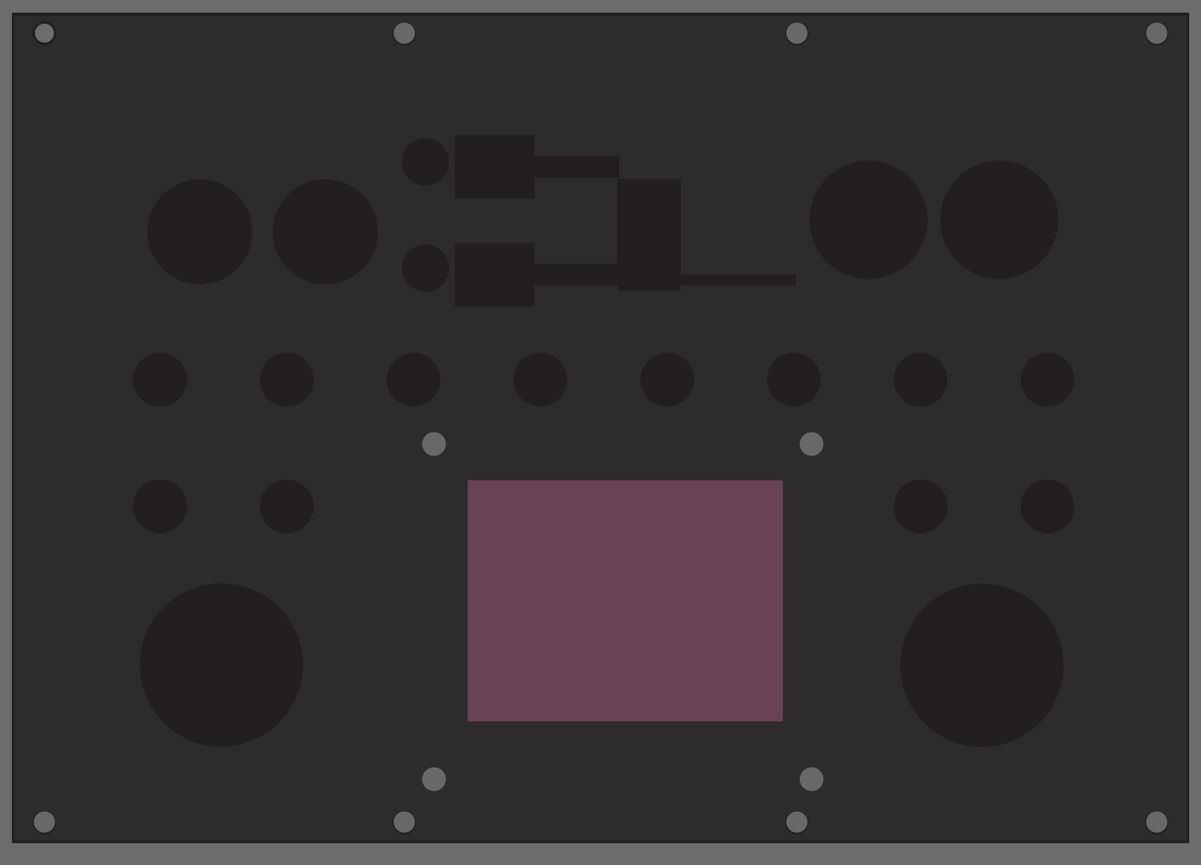


Believotron “5000” Alpha-0
Eurorack

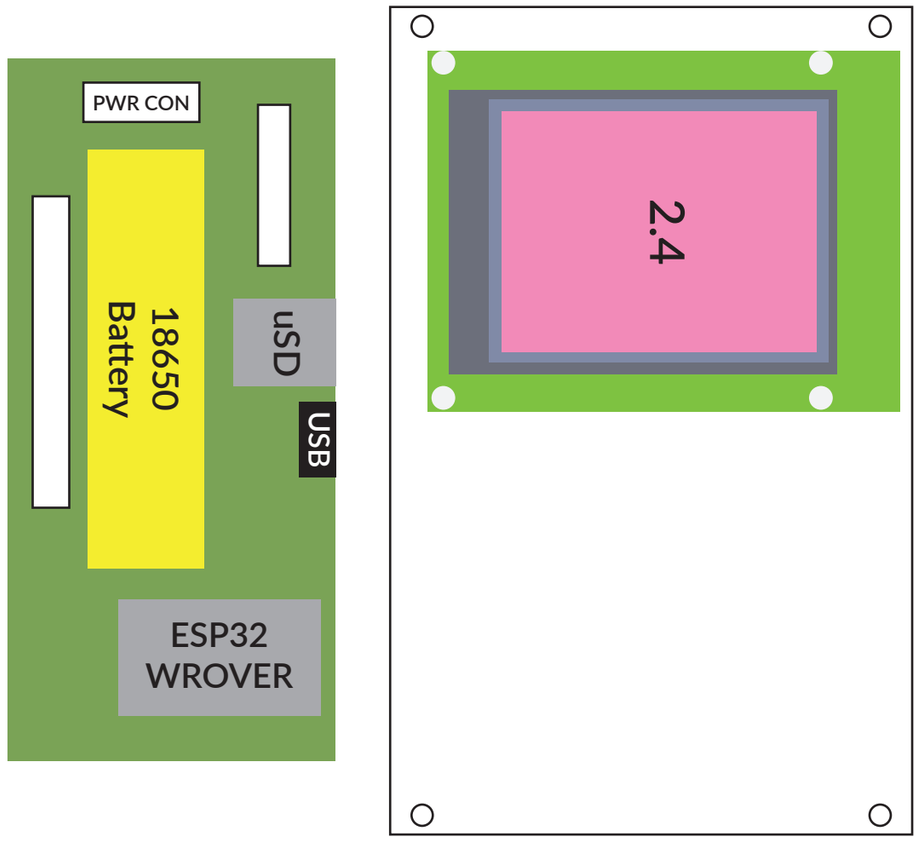




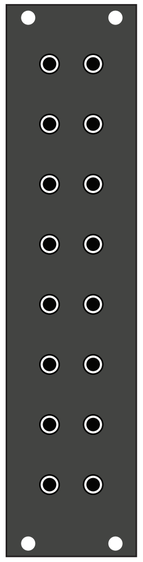
Believotron “5000” Alp
Eurorack

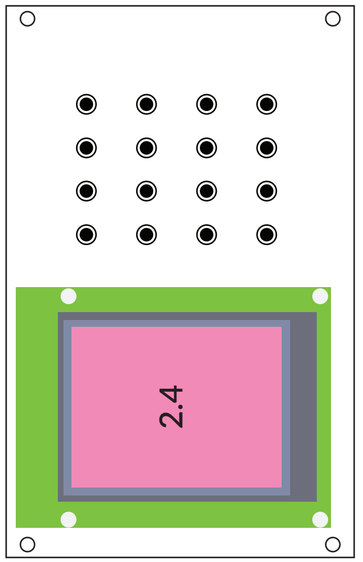


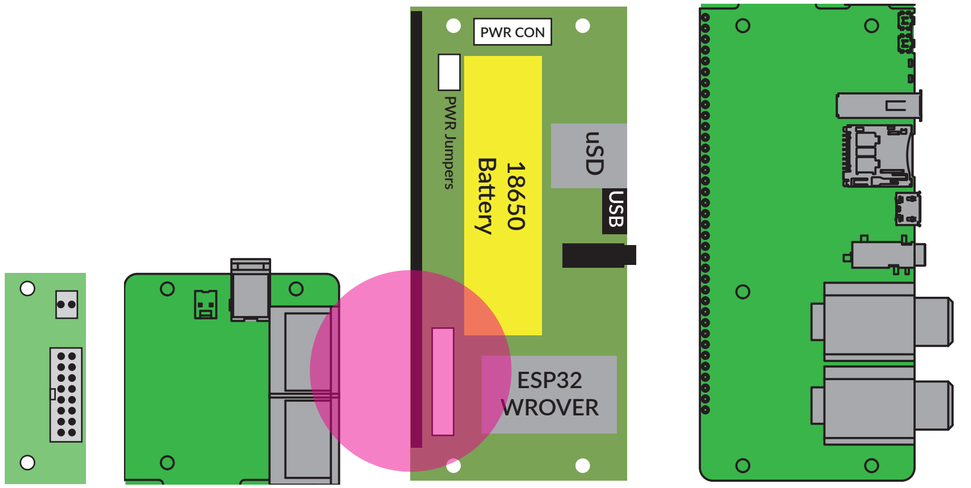
Believotron “5000” Alpha-0
Single Unit

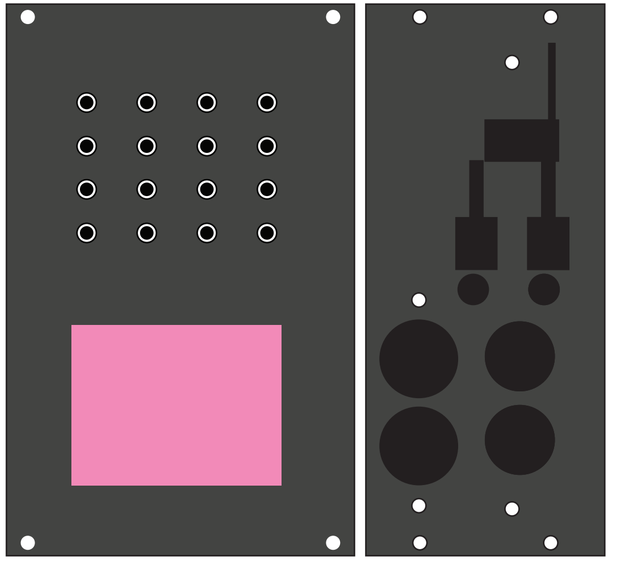


What Else Goes Here?



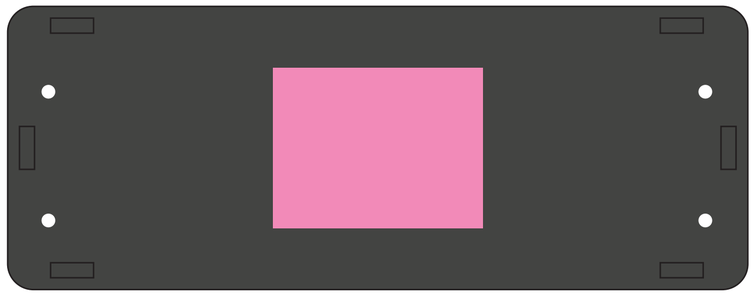

2.4

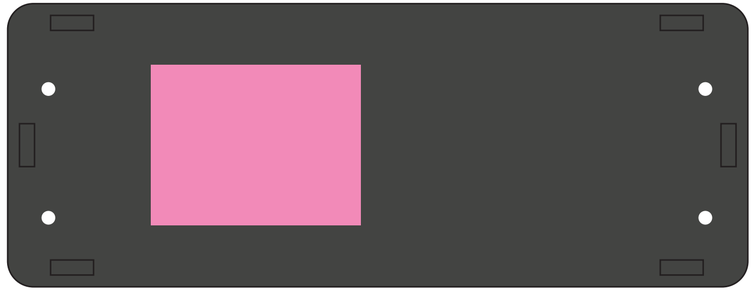

PWR CON
PWR Jumpers
18650
Battery
uSD
USB
ESP32
WROVER

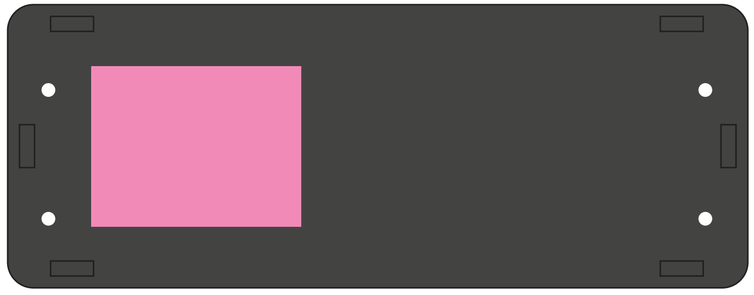


Add Keytar / desktop modular

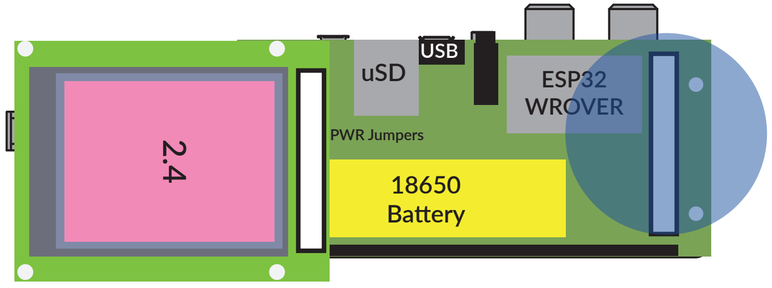
rd

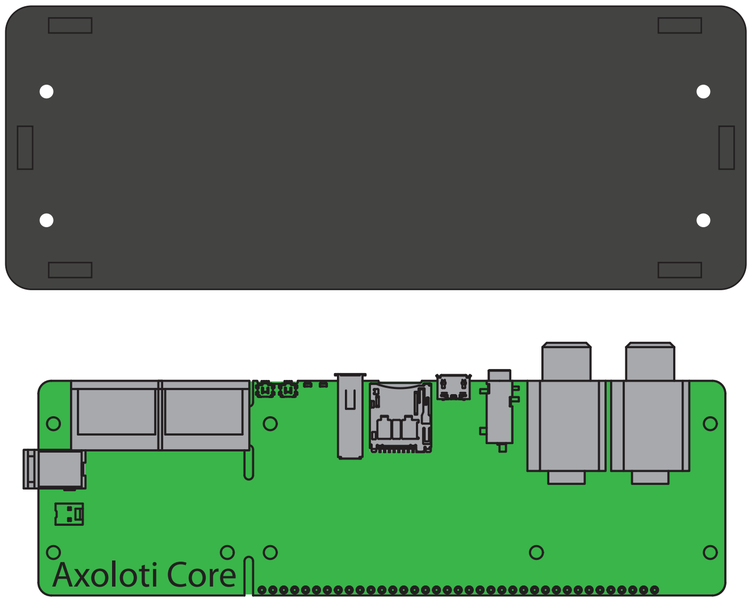




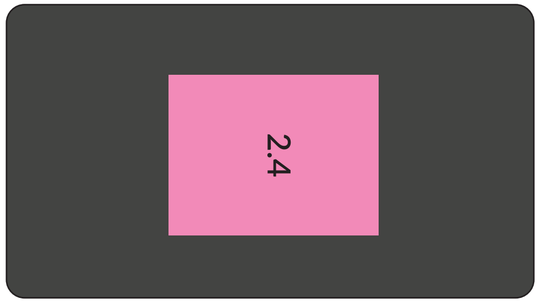


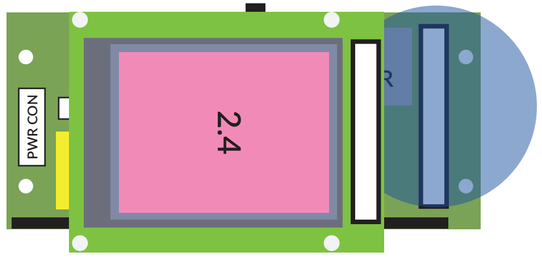
Believotron B1000

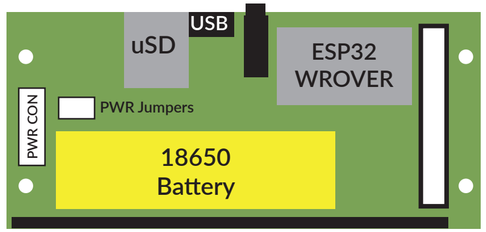


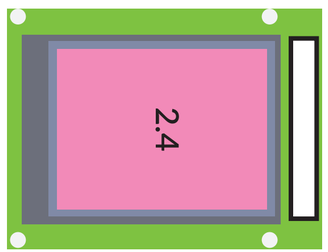


Believotron B100



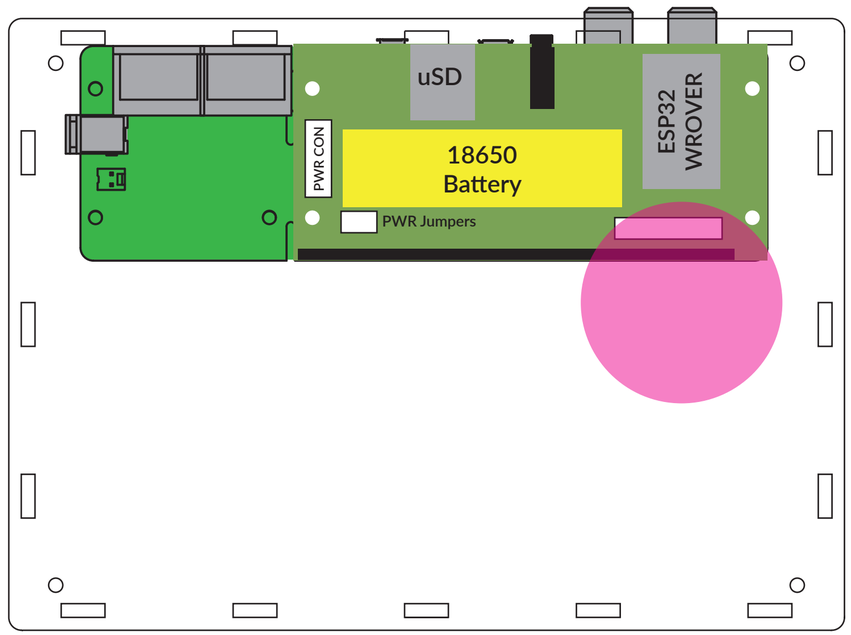




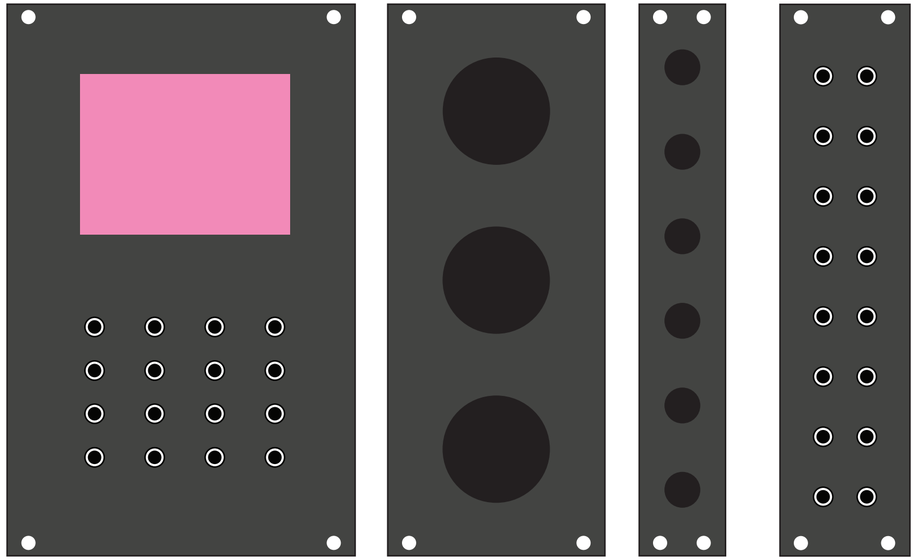


Believotron B10
ESP32
Graphical
Dev Kit

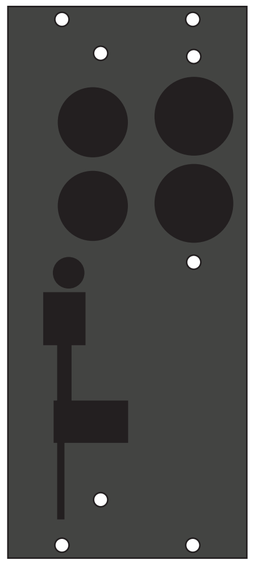
ESP32
2.4” Touchscreen
Dev-0

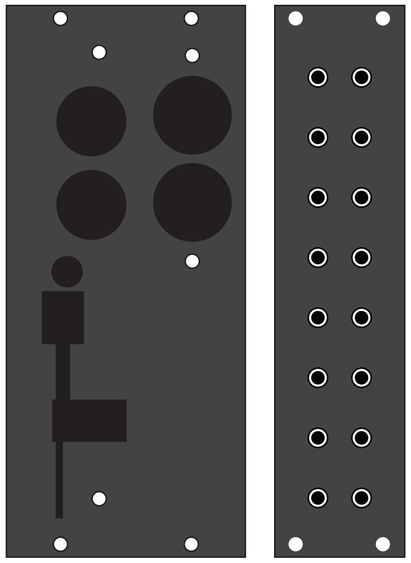


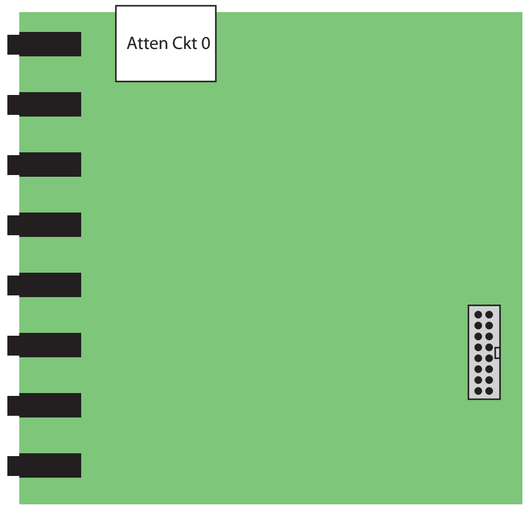
Believotron Eurorack Workshop

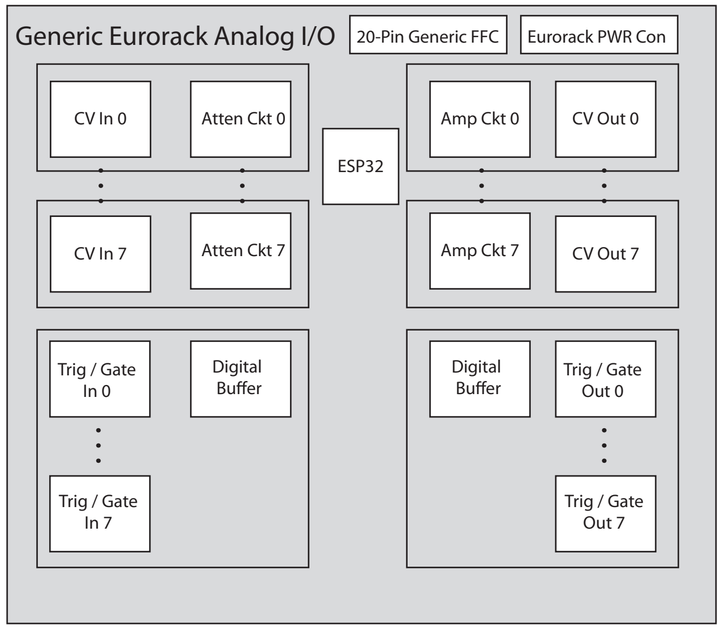


Add Controls And Displays









Add Mezzanine
Moar research into actual circuits
Use naive pick to price / floorplan