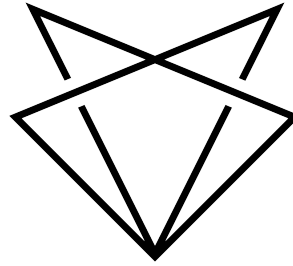
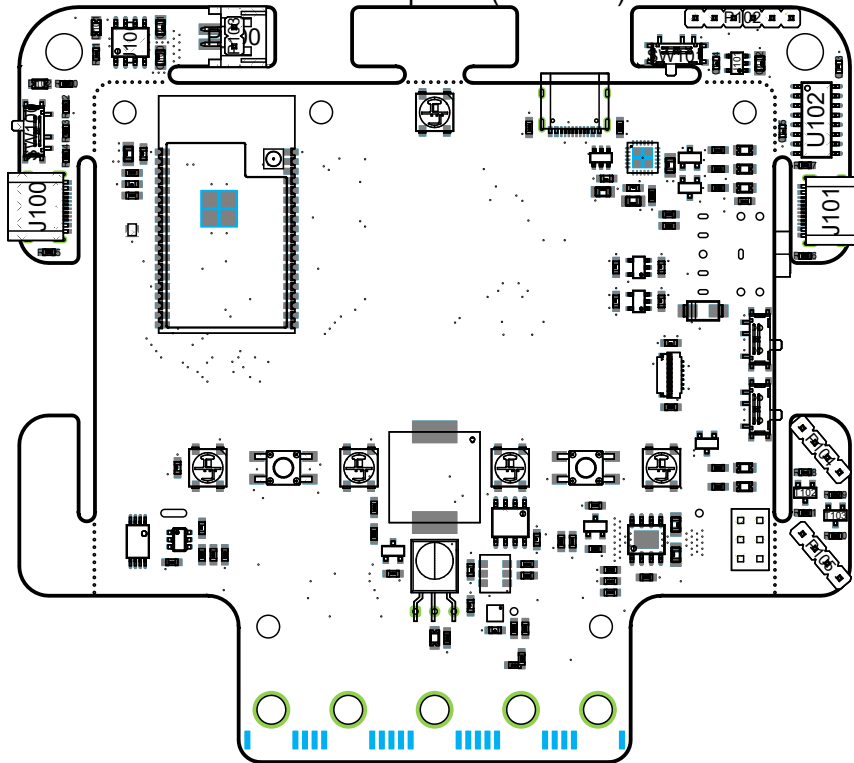


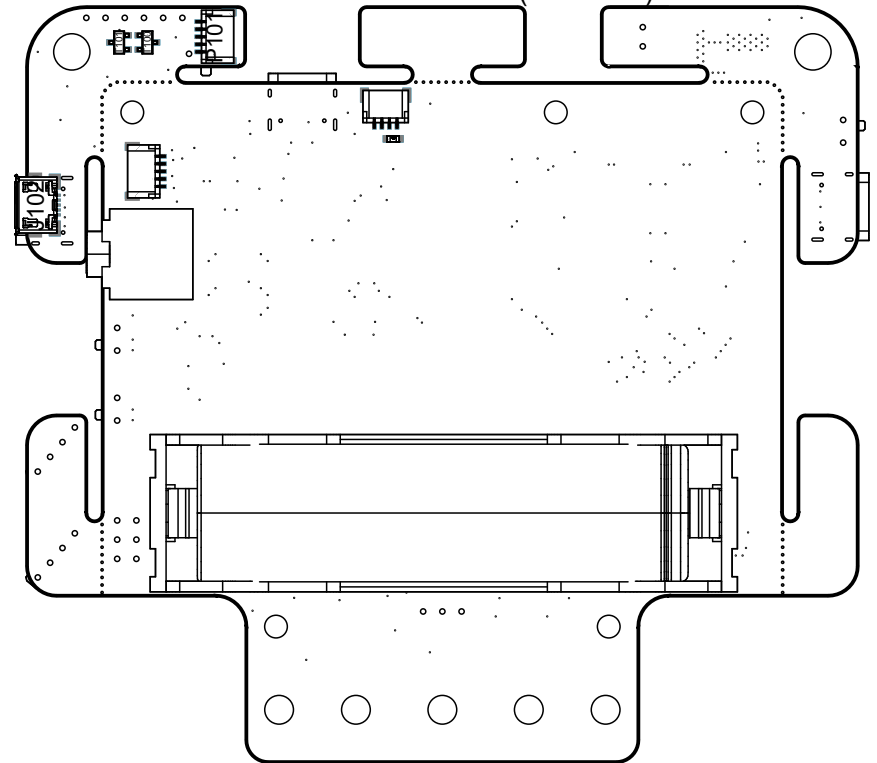
Fri3D Badge 2020
Mechanical drawings



View from Top side (Scale 1:1)



View from Bottom side (Scale 1:1)



Phyx

Fri3D Badge 2020 Rev. 01

Naam :

BATTERY
GND
V+

USB Interface

TimeBlaster Aansluiting

Draadloze Microcontroller
ESP-32 4MB PSRAM 16MB FLASH

Aan-Uit Schakelaar

Scherm licht schakelaar

Zoemer- GPIO32

RGB LEDs WS2812b - GPIO02

Batterij spanning - GPIO35

Drukknop - GPIO00

Volg mij - GPIO39

(Encryptie ATECC608A).
SHA-256, AES-128, ...

Accelerometer LIS2DH12
I2C 0x18 & GPIO36

Temperatuur en luchtvochtigheid
AHT10 I2C 0x38

Infrarood ontvanger- GPIO27

Batterijlader TP4056 met
temperatuur bescherming

Batterij bescherming DW01:p

ST7789V IPS LCD 240x240 262k Color
D/C - GPIOxx
CS - GPIOxx

LOW
GND
VCC
HIGH

deki
AQC