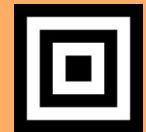


Badge Hardware

Versie: Augustus 2022



Inhoudstafel

Component selectie

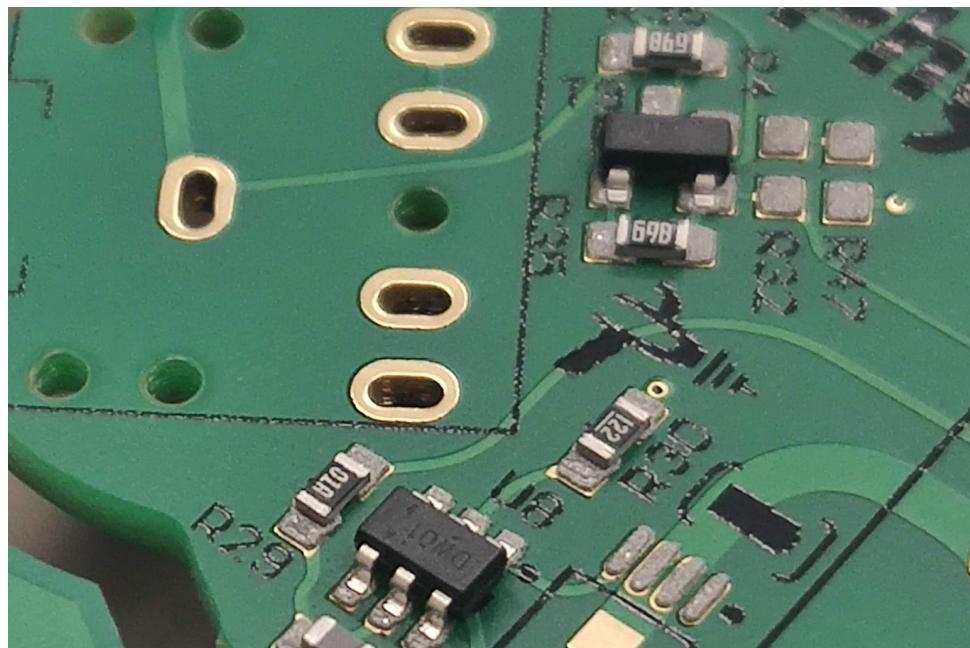
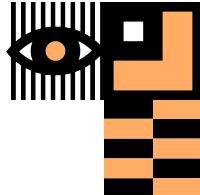
Prototypes

Finaal ontwerp

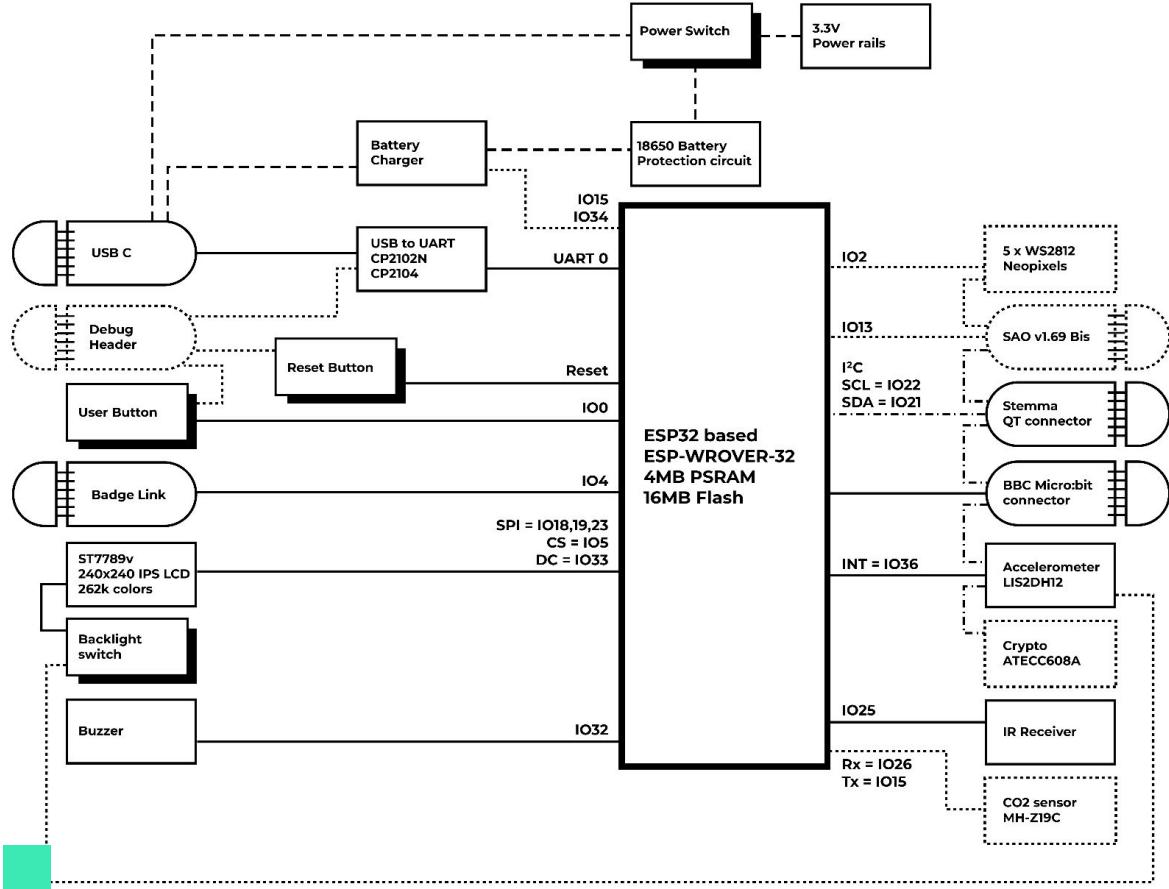
Massaproductie

Uitbreidingen

Hackability

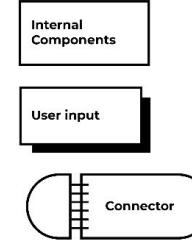


Component Selectie



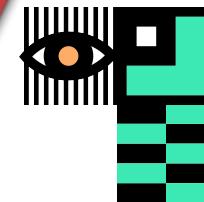
LEGENDA

- IO
- - - Power
- - - - I²C
- - - - - Optional

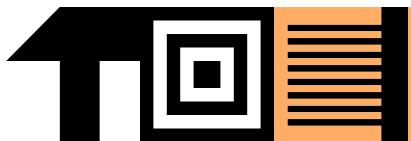
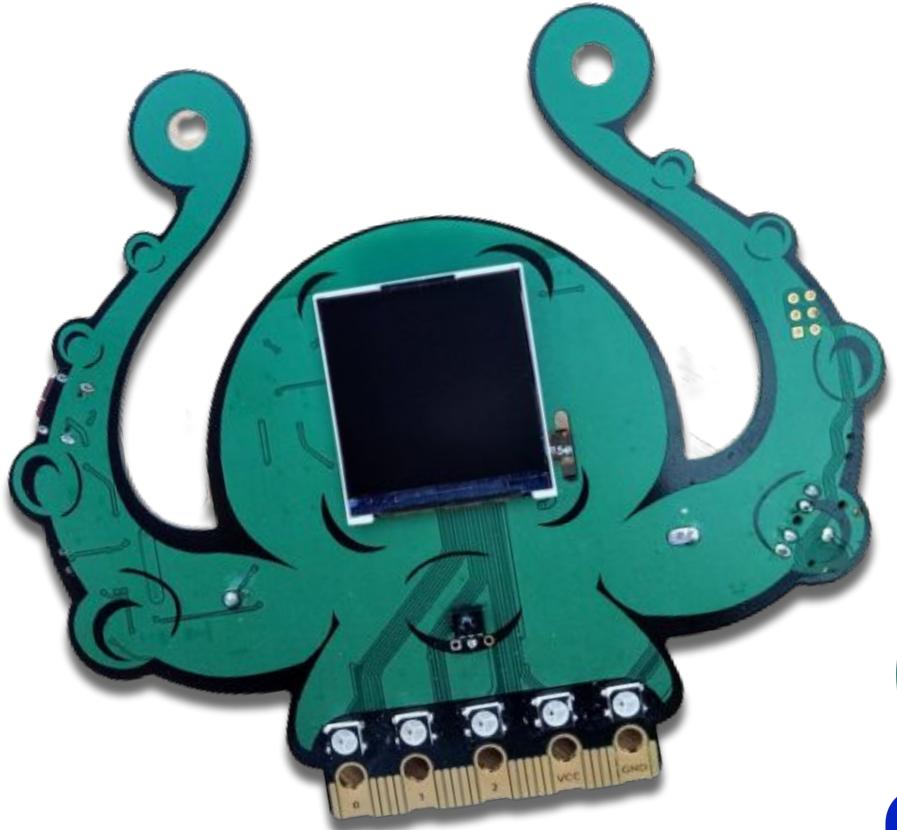


dekimo 
ESPRESSIF 

Prototypes



Finaal ontwerp

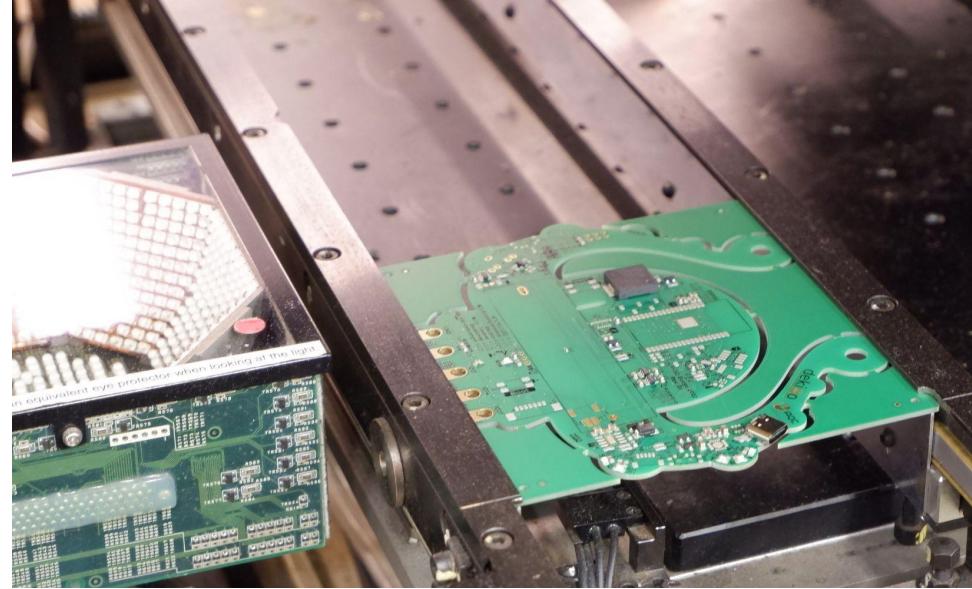
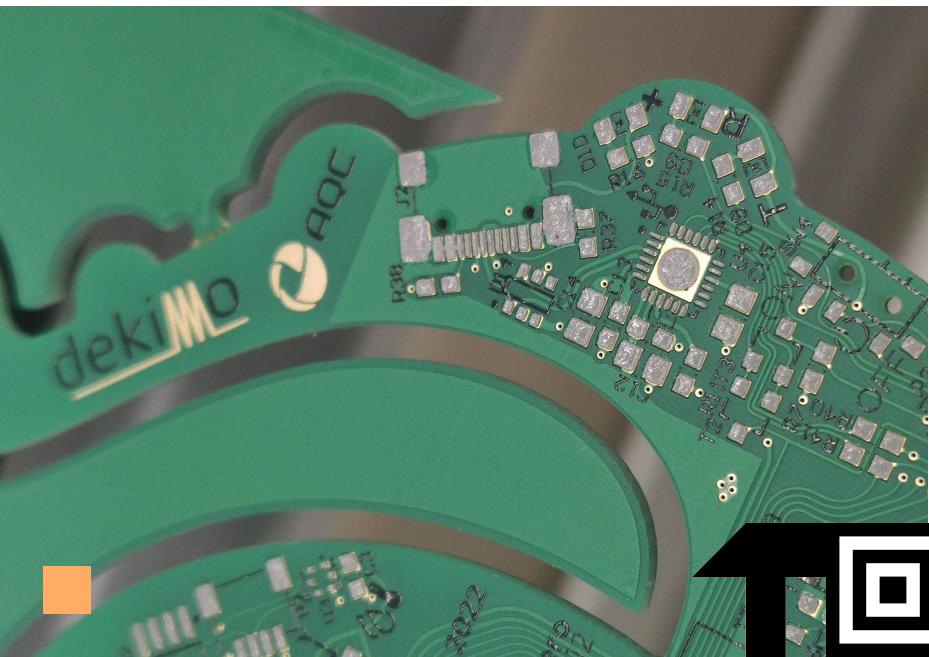


Massaproductie

Soldeerpasta aanbrengen

Componenten plaatsen

Printplaten bakken



dekimo





Massaproductie

Soldeerpasta

Inspectie

Chip Shooter

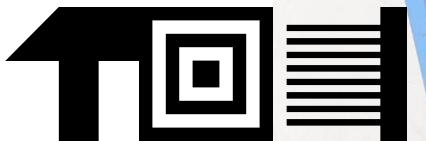
Brug

Pick-and-Place 1

Pick-and-Place 2

Inspectie

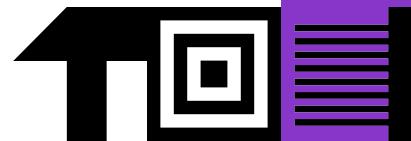
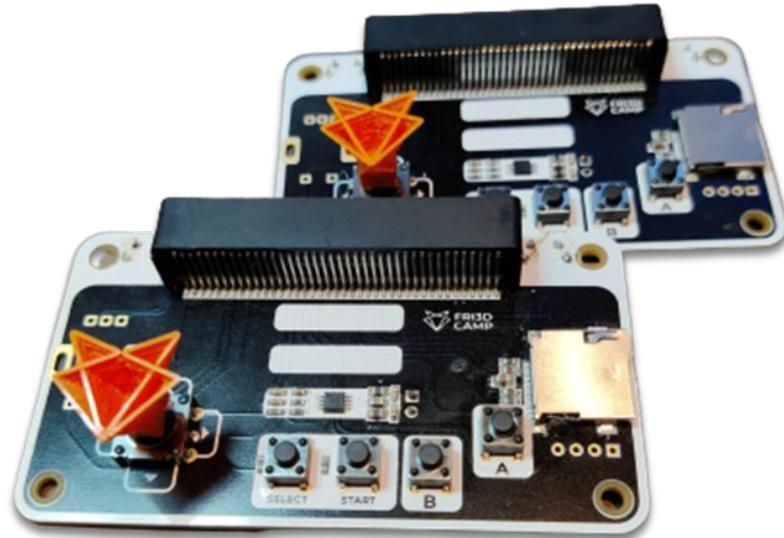
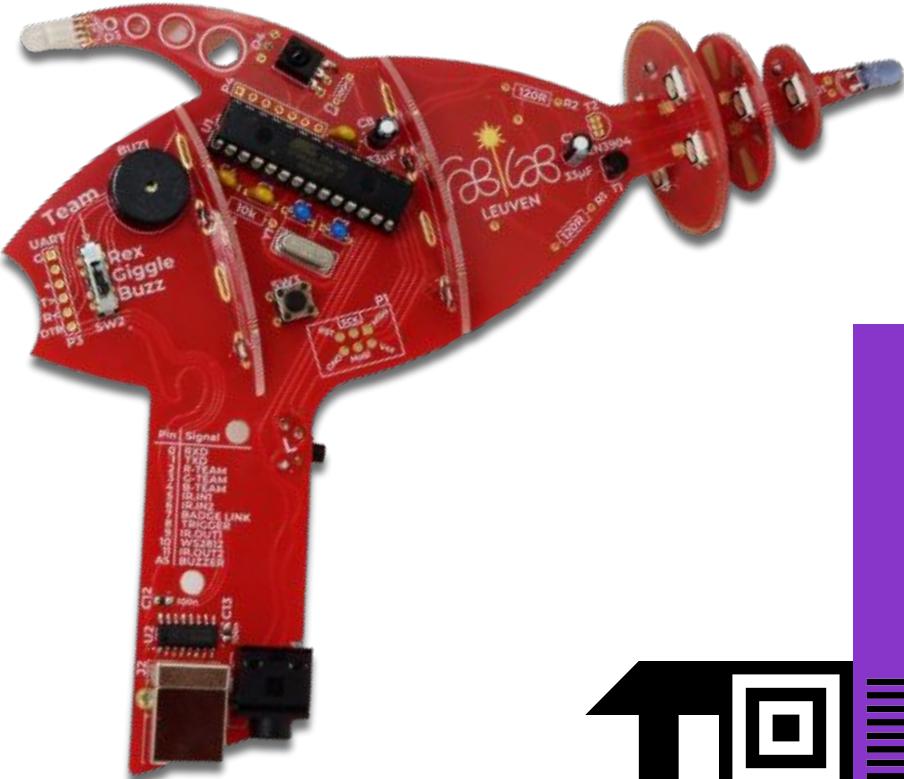
Afbakken in de oven



Uitbreidingen

GameOn

TimeBlaster



Hackability

Temperatuur & Luchtvochtigheid

Würth WSEN-HIDS

Encryptie accelerator

Microchip ATECC608B

CO₂ sensor

Heeft 5V nodig (USB power only!)

MH-Z19C (plugin of kabel)

JST PH I2C connector

Stemma QT / Qwiic compatibel

Optionele batterij status

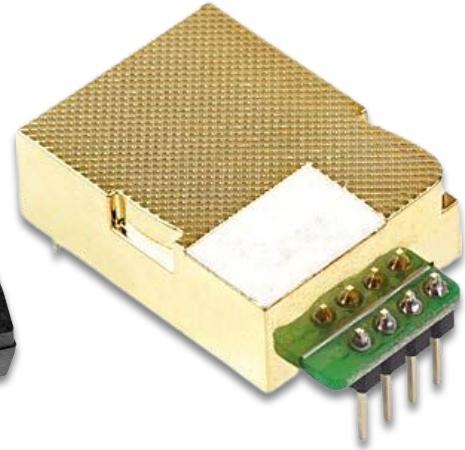
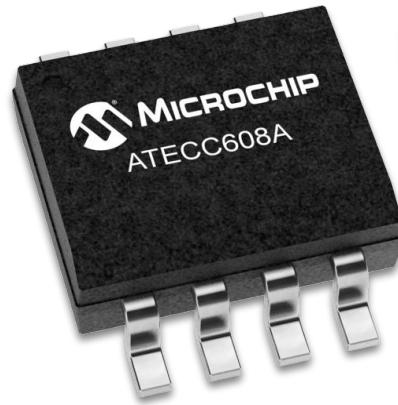
GPIO controle van batterijlader

SAO

Shitty Add-On V1.69bis

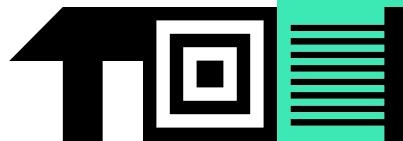
Aangepaste uitgangsspanning

+3.3V standaard, optioneel VSYS



stemma QT

qwiic



Nuttige info

<https://hackaday.io/Fri3dCamp>
<https://fri3d.be/badge/>

