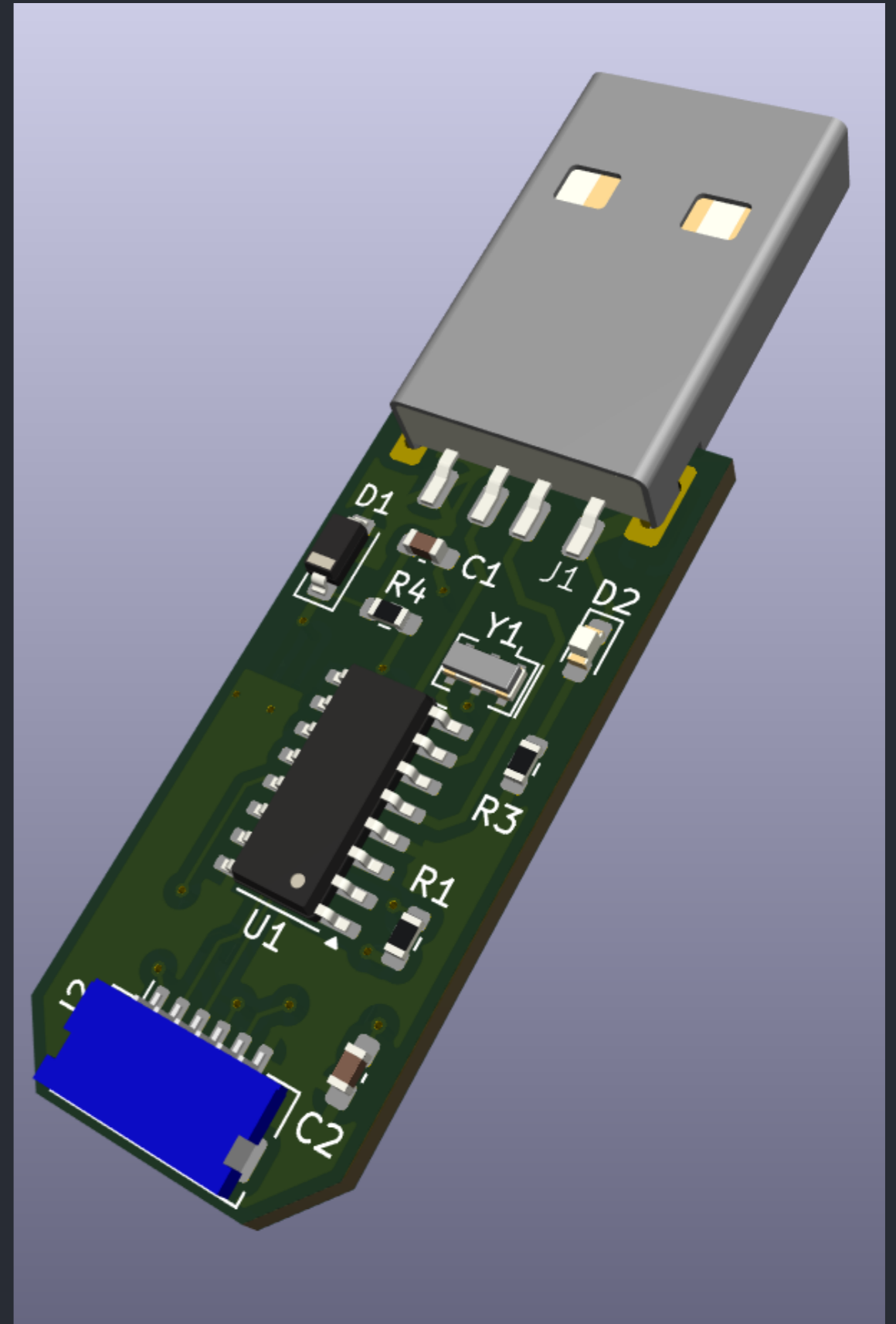


ESP-PROG Stick

Features:

- Compatible with ESP8266 & ESP32
- CH340G USB-to-UART Bridge*
- USB-A Plug
- JST SHL Connector & replaceable Cable
- 3.3V Power Supply
- Power LED



Notice:

* Drivers for CH340 under Windows needed.
Available under https://www.wch-ic.com/downloads/CH341SER_EXE.html

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ESP-PROG Stick <small>harexew.com // github.com/harexew</small>	2	2024-10-31	Stamblatt /	1/8	A3

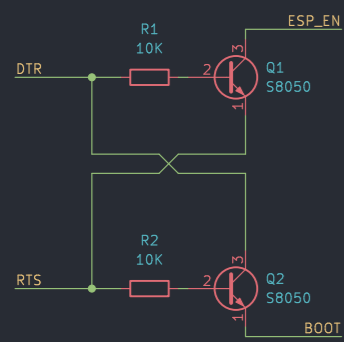
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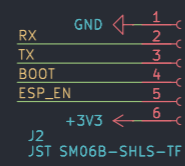
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ESP-PROG Stick <small>harexew.com // github.com/harexew</small>	2	2024-10-31	Table of Contents /Table of Contents/	2/8	A3

Schematics

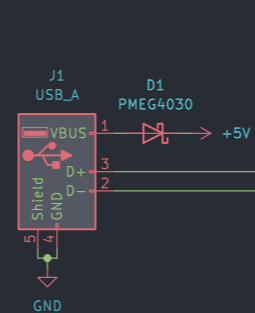
Auto Program



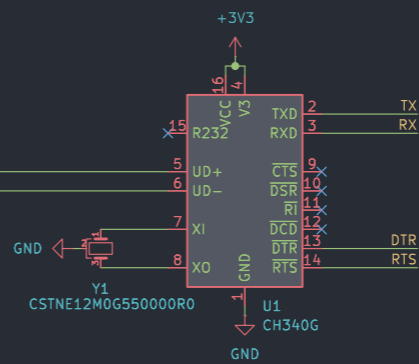
PROG-Connector



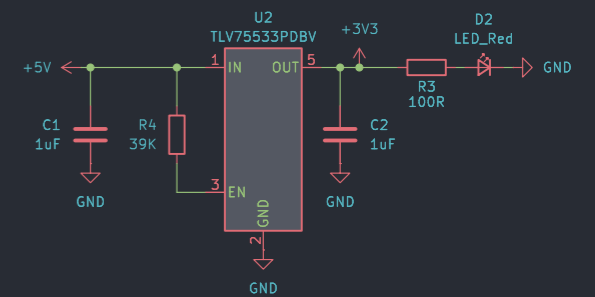
USB



UART



3.3V Supply



Board Name

ESP-PROG Stick

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Schematics /Schematics/

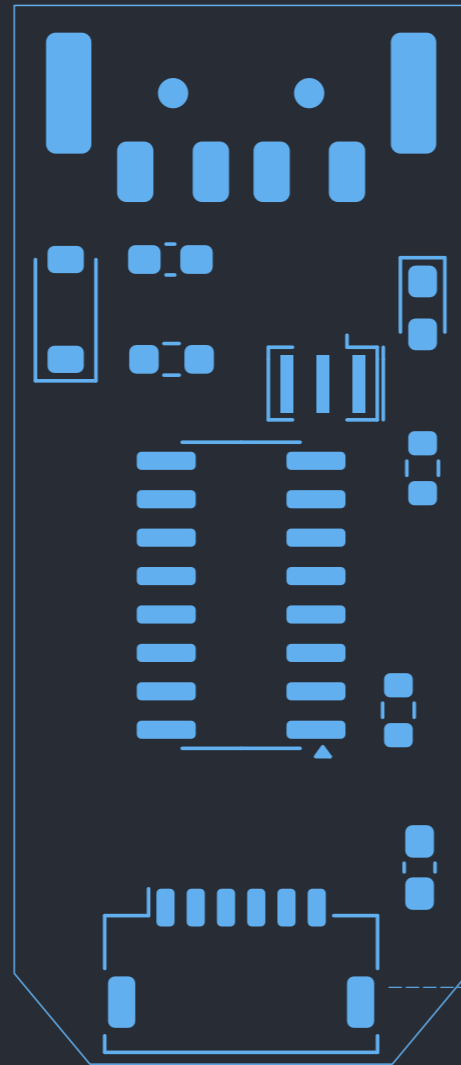
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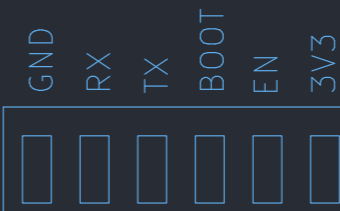
Size

A3

Pinout



Programming Port



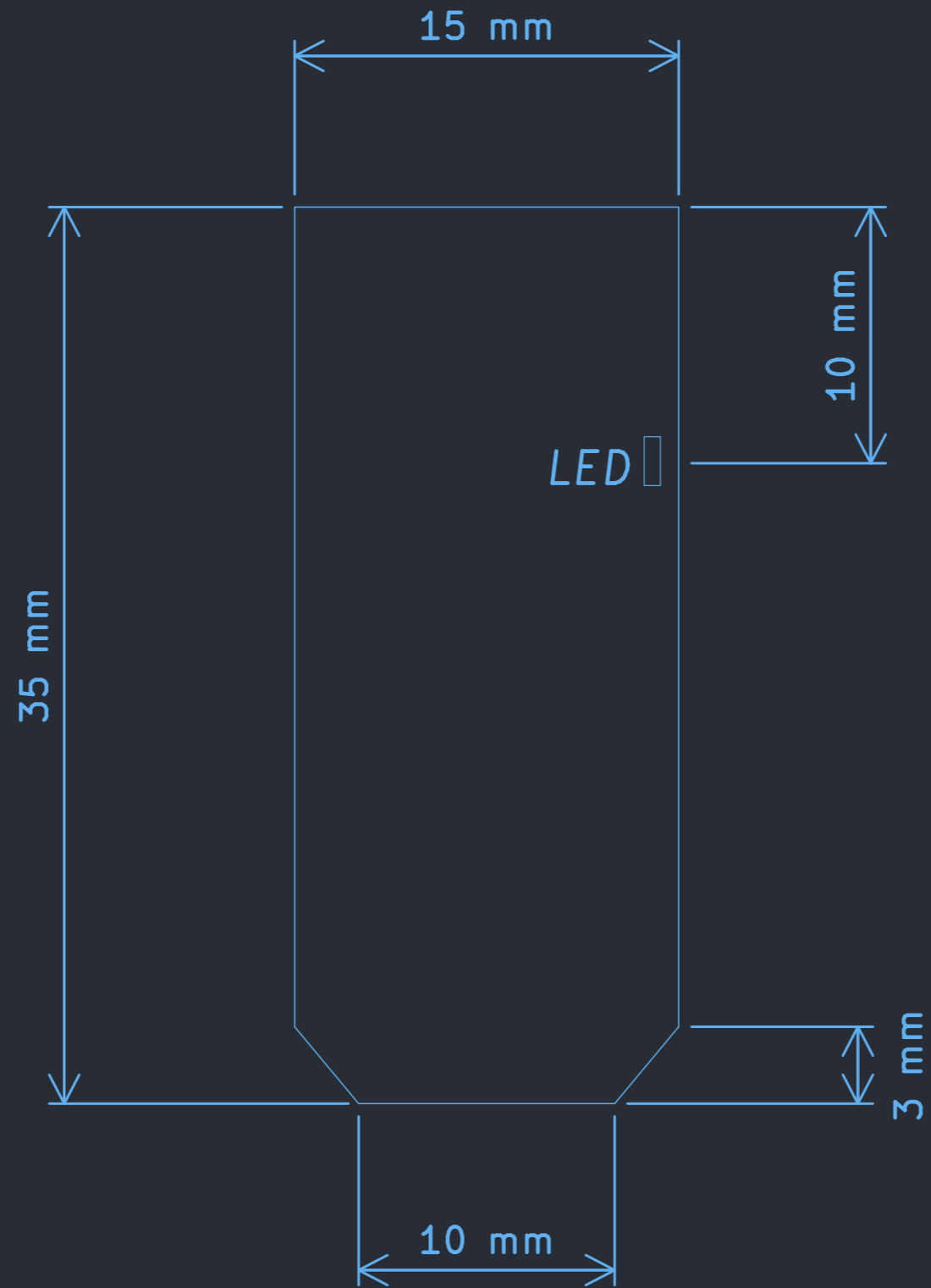
JST-SHL Socket
1 x 6
1mm Pitch

Pins:
GND – Ground
RX – Recieve Input of UART Bridge
TX – Transmit Output of UART Bridge
BOOT – Boot Pin Output
EN – Enable Pin Output
3V3 – 3.3V Supply

Components:
Socket: JST SM06B-SHLS-TF
Plug: JST SHLP-06V-S-B

Board Name	Revision	Date	Sheet Title & File Name	Page	Size
ESP-PROG Stick horexew.com // github.com/horexew	2	2024-10-31	Pinout /Pinout/	4/8	A3

Board Outline

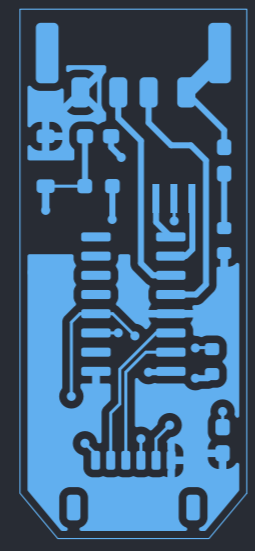


Scale 1:4

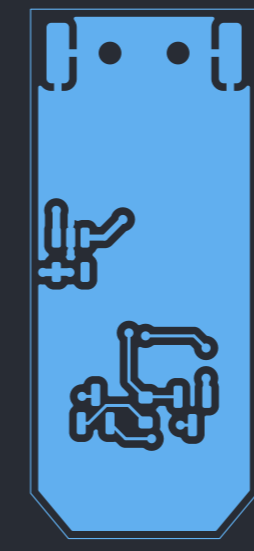
Board Name	Revision	Date	Sheet Title & File Name	Page	Size
ESP-PROG Stick harexew.com // github.com/harexew	2	2024-10-31	Board Outline /Board Outline/	5/8	A3

Layout

Front



Back



Front Mask



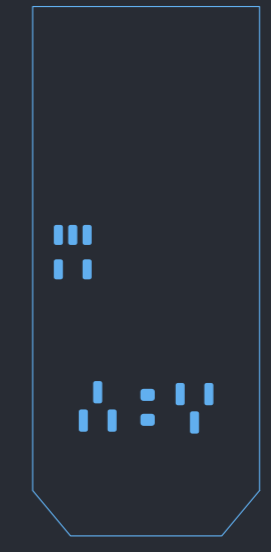
Back Mask



Front Paste



Back Paste



Scale 1:2

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ESP-PROG Stick harexew.com // github.com/harexew	2	2024-10-31	Layout /Layout/	6/8	A3

PCB Structure

- PCB Thickness: 1.6mm
- Layers: 2

Layer	Thickness	Material
Front Mask	10 μ m	
Front	35 μ m	Copper
Dielectric	1,51mm	FR4
Back Cu	35 μ m	Copper
Back Mask	10 μ m	

Board Name

ESP-PROG Stick

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Revision

2

Date

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Sheet Title & File Name

PCB Structure
/PCB Structure/

Page

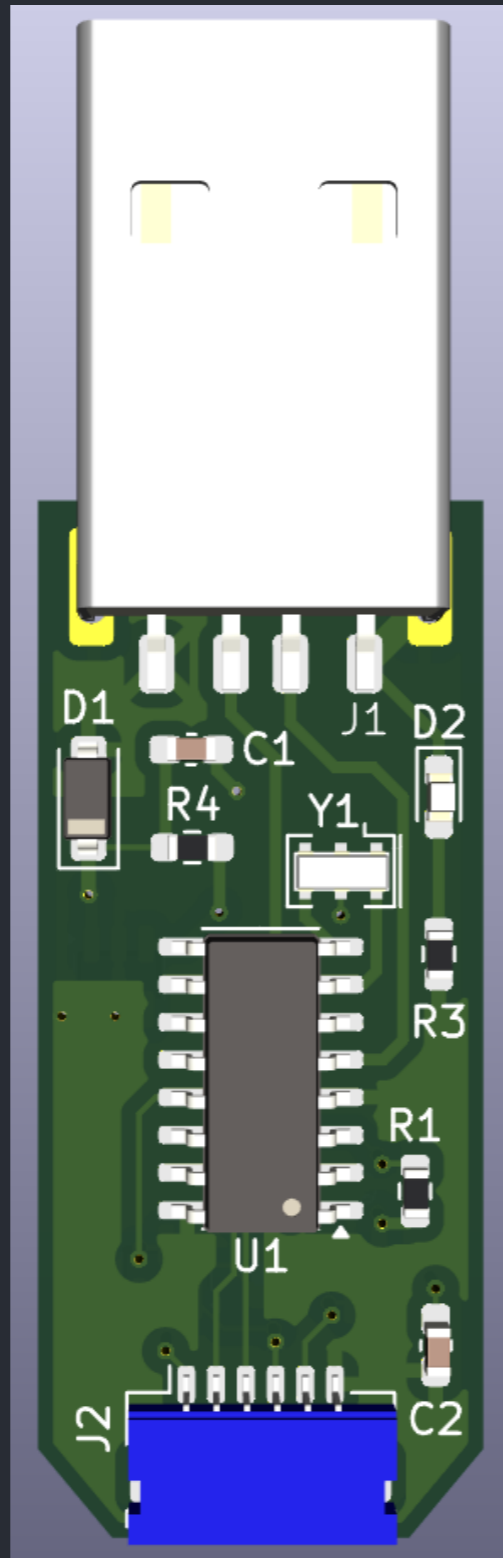
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Size

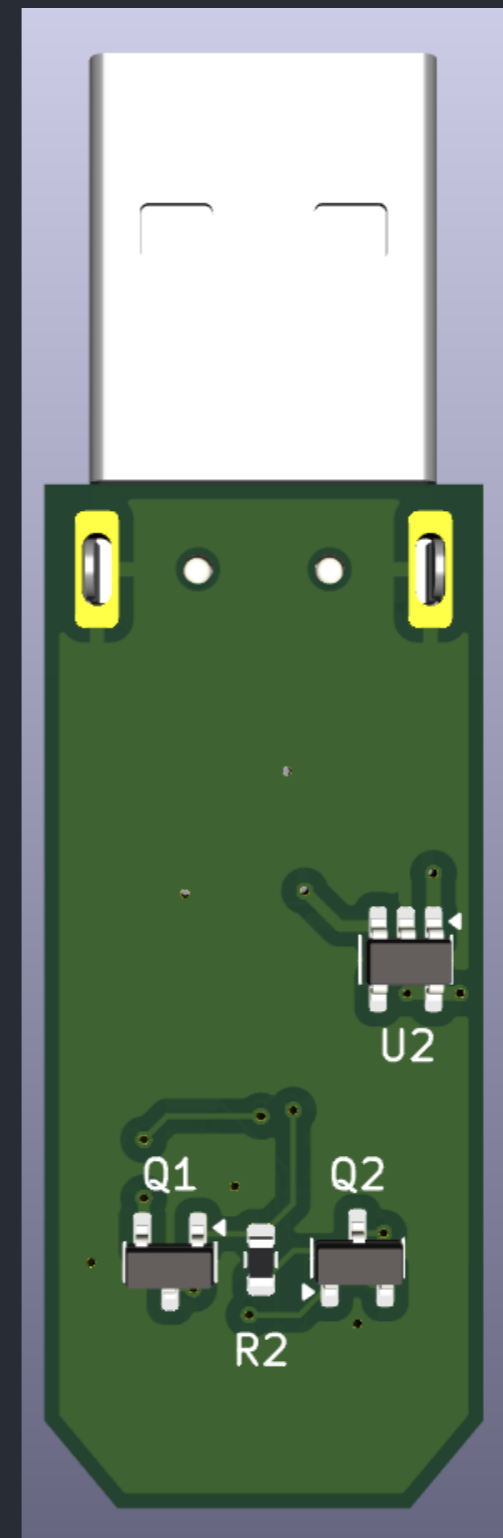
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Renders

Front



Back



Board Name

ESP-PROG Stick

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