

# Artistic Circuitry

Exploring the World of PCB Art

Who am I?

# Osodo Rodney

[rodneynosodo.com](http://rodneynosodo.com)



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b1ackd0t

Rodney Osodo

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I'm a hobbyist trying to bring engineering to TikTok.

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Hacking at Huawei



Weekend at python nai...



Pcb design #pcb ...



card or coin #pcb ...



PCBs for Life #pcb ...



Who says PCBs are just...



Working on open sourc...



And with that, the 2022...



Stair climbing robot ...



Regenerative cooling f...



Dark mode is now available  
Switch between light or dark mode here  
Close

“I don’t know anything about life, but I know something about making art with PCBs.”

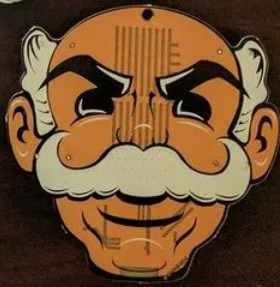
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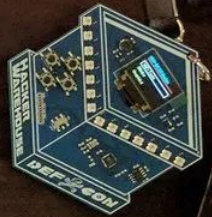
CYBER



GRIMM

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- Introduction

- Introduction
- Business Card



- Introduction
- Business Card
- Iron Man Arc Reactor

- Introduction
- Business Card
- Iron Man Arc Reactor
- The Coin

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- Demo

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- Demo
- Conclusion

# Introduction

- What is a PCB?

- What is a PCB?
- Importance of artistic circuitry

- What is a PCB?
- Importance of artistic circuitry
- Brief overview of the projects





**AS A KID**

**I USED TO IMAGINE THAT  
CIRCUIT BOARDS WERE TINY FUTURISTIC CITY'S**

You'll get addicted to [FUNsubstance.com](https://www.funsubstance.com)

This is a PCB

- Creative expression

- Creative expression
- Innovation

- Creative expression
- Innovation
- Education

- Creative expression
- Innovation
- Education
- Branding and Marketing

Business Card

- Branding
- Learn about PCB Layers



**OSODO RODNEY DAVID**

**MECHATRONICS ENGINEER**

**[REDACTED]** @rodneynosodo.com

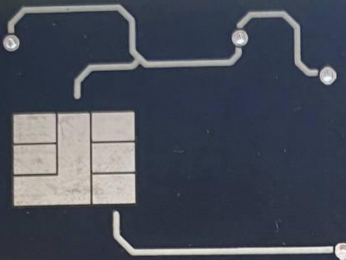




MECHATRONICS  
RESEARCH & DESIGN

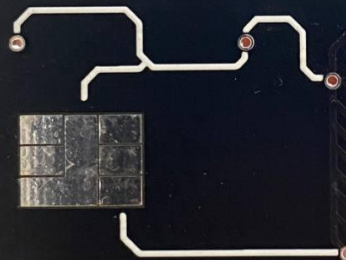
.c .cpp .rs .py .m .go





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MECHATRONICS  
RESEARCH & DESIGN  
.c .cpp .rs .py .m .go



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- Buy Legitimate NFC stickers
- Play around with layering
- Add basic circuitry

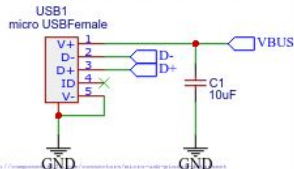
# Iron Man Arc Reactor

- Run on low Power
- Program the Leds
- Wireless control

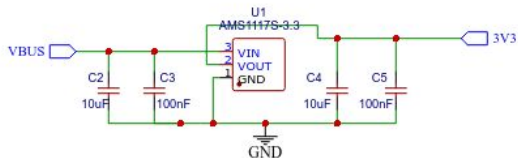
V1



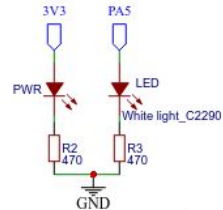
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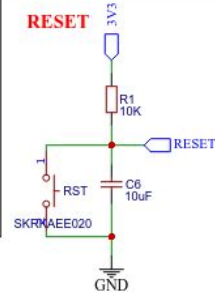
### LOW DROPOUT REGULATOR



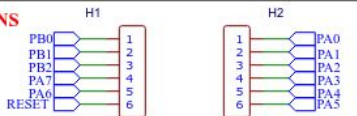
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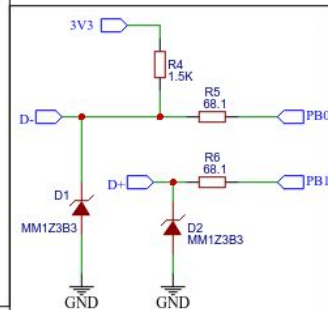
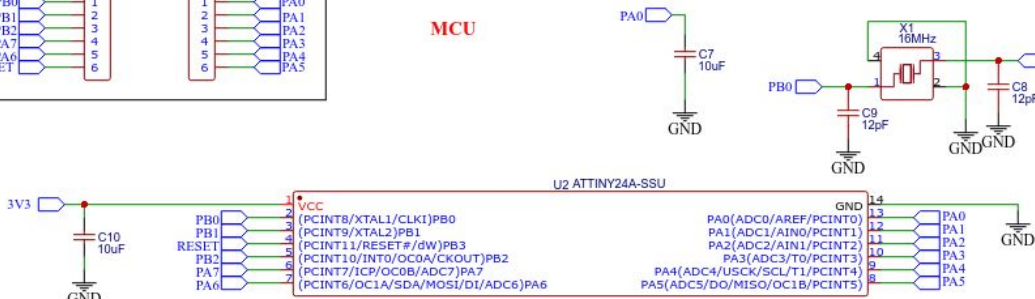
### RESET



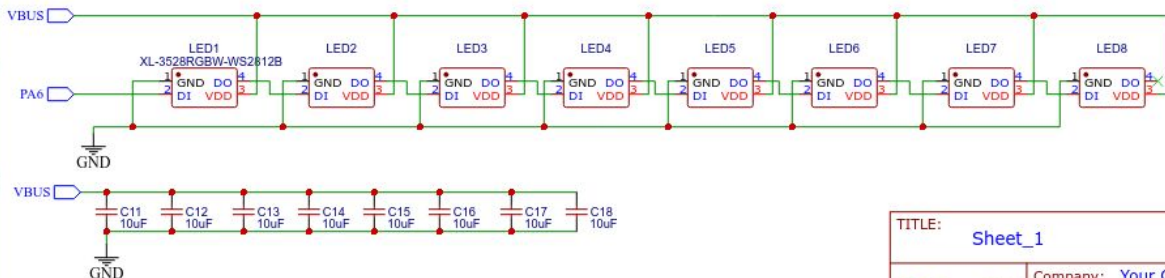
### PINS



### MCU



### LEDS



TITLE:

Sheet\_1

REV: 1.0

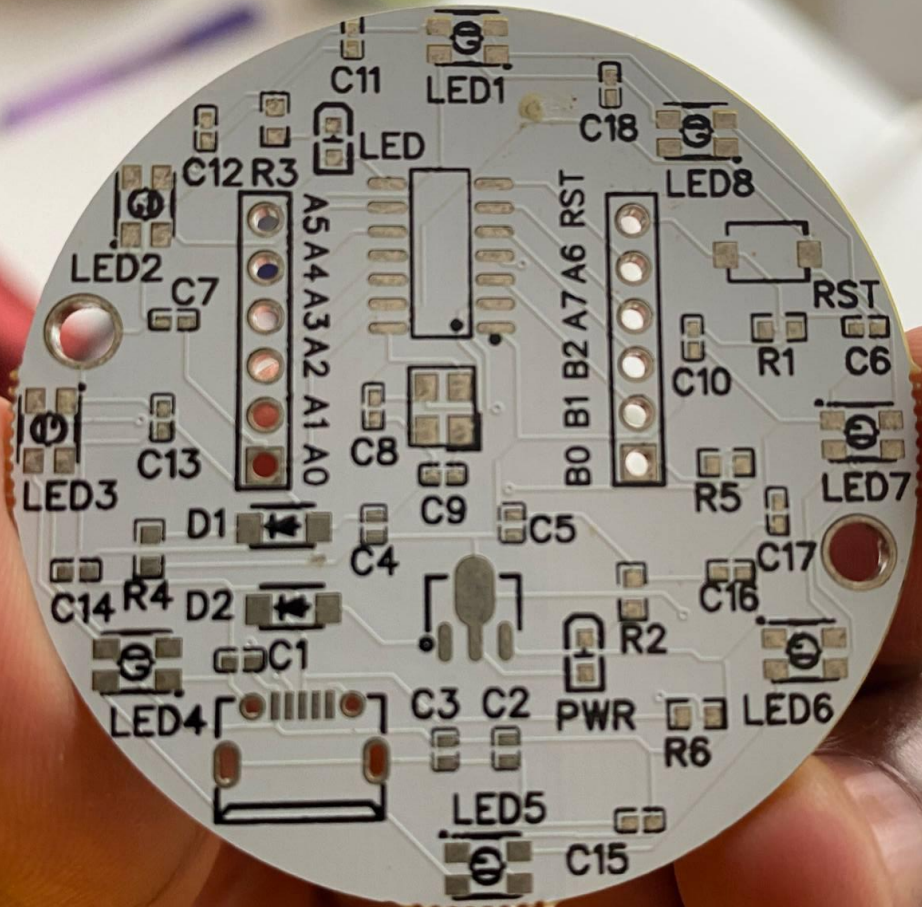


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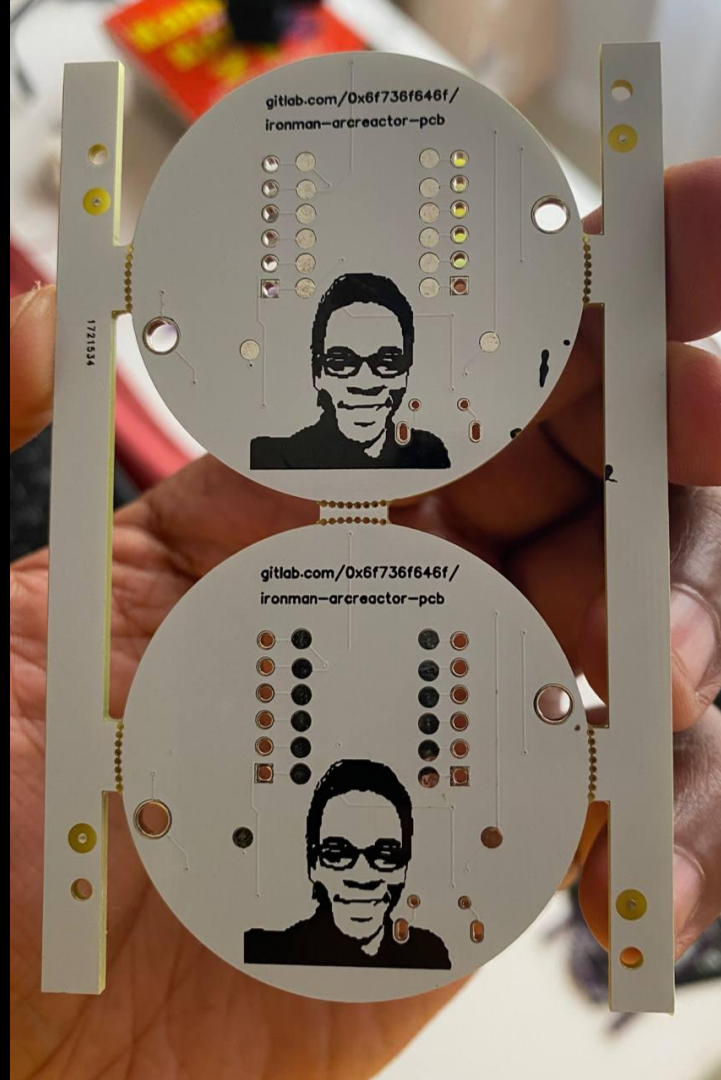
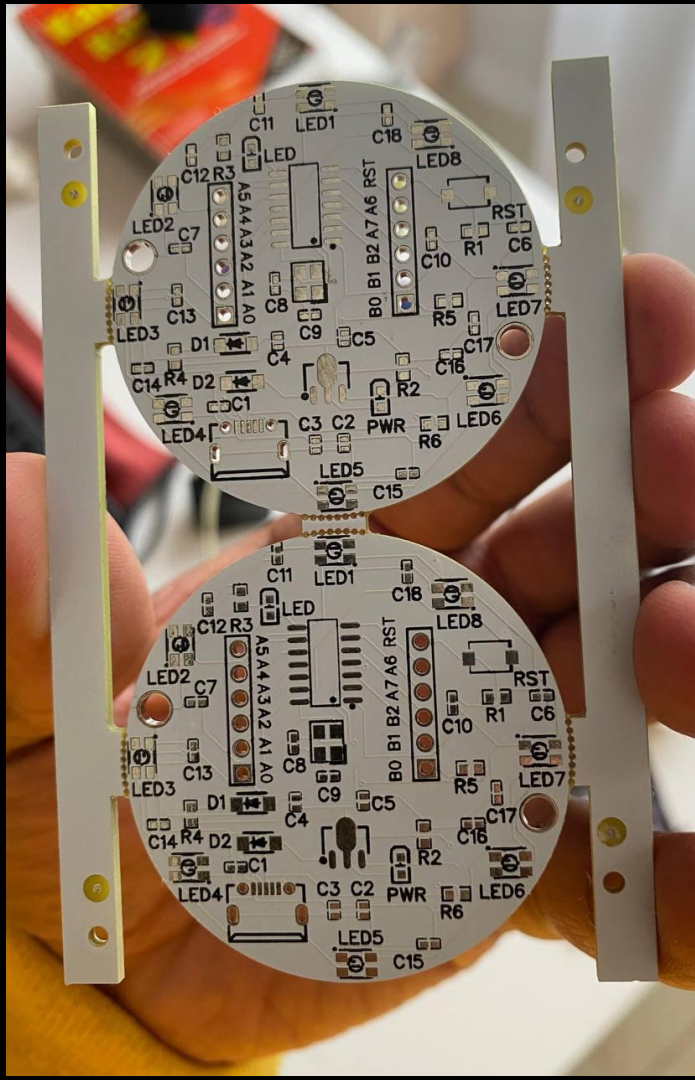
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Date: 2022-01-20

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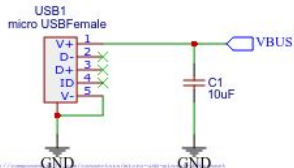




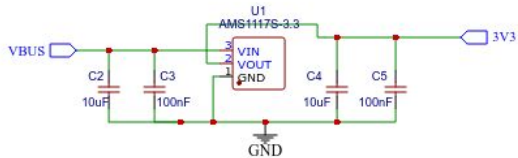


V2

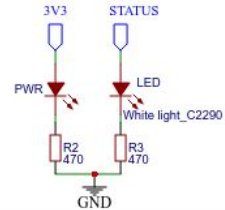
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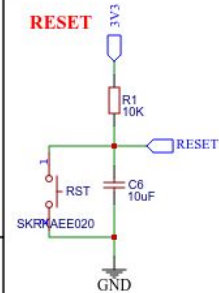
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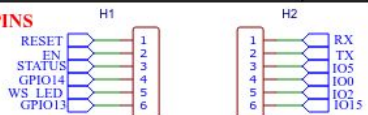
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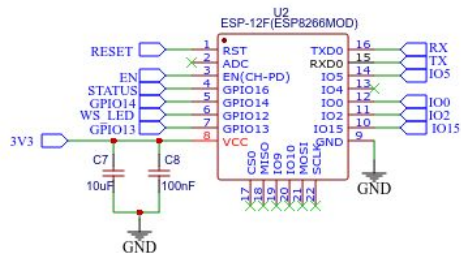
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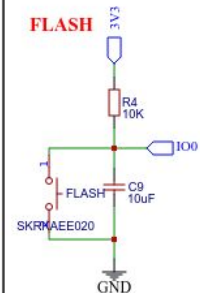
### PINS



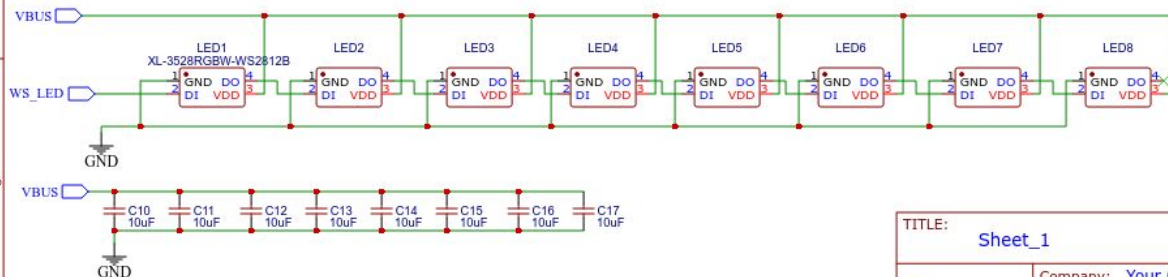
### MCU



### FLASH



### LEDS



TITLE:

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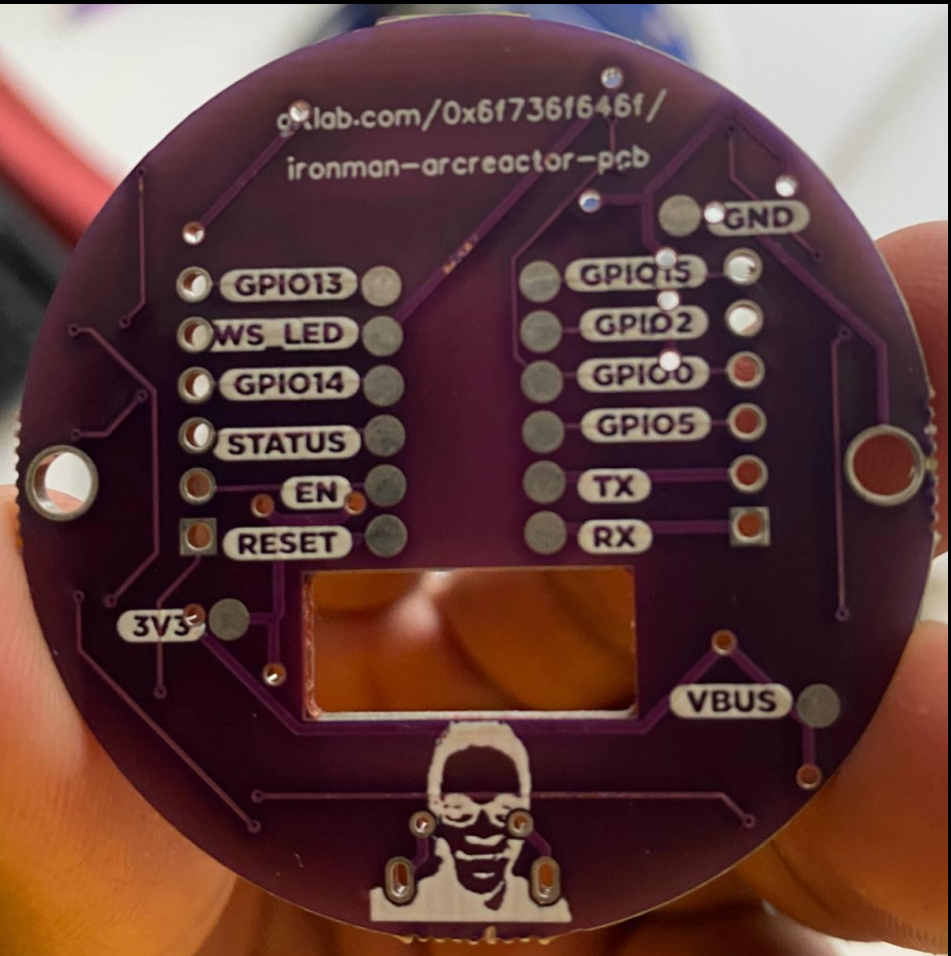
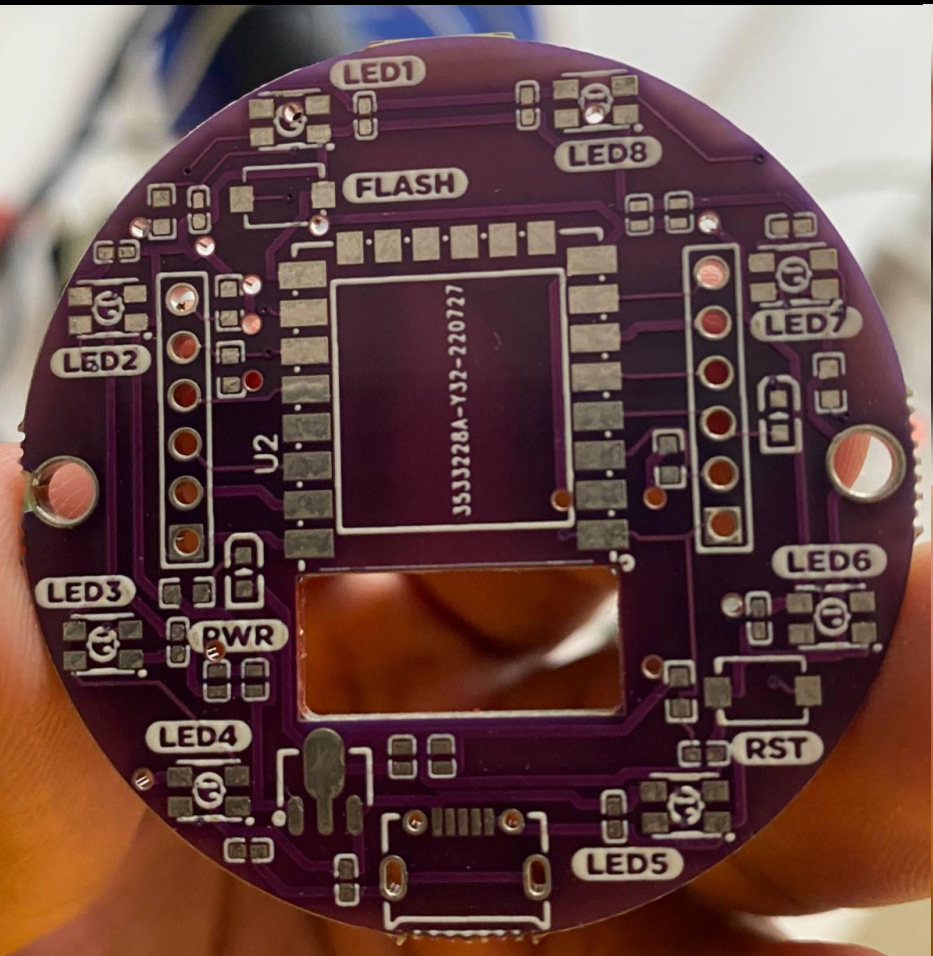
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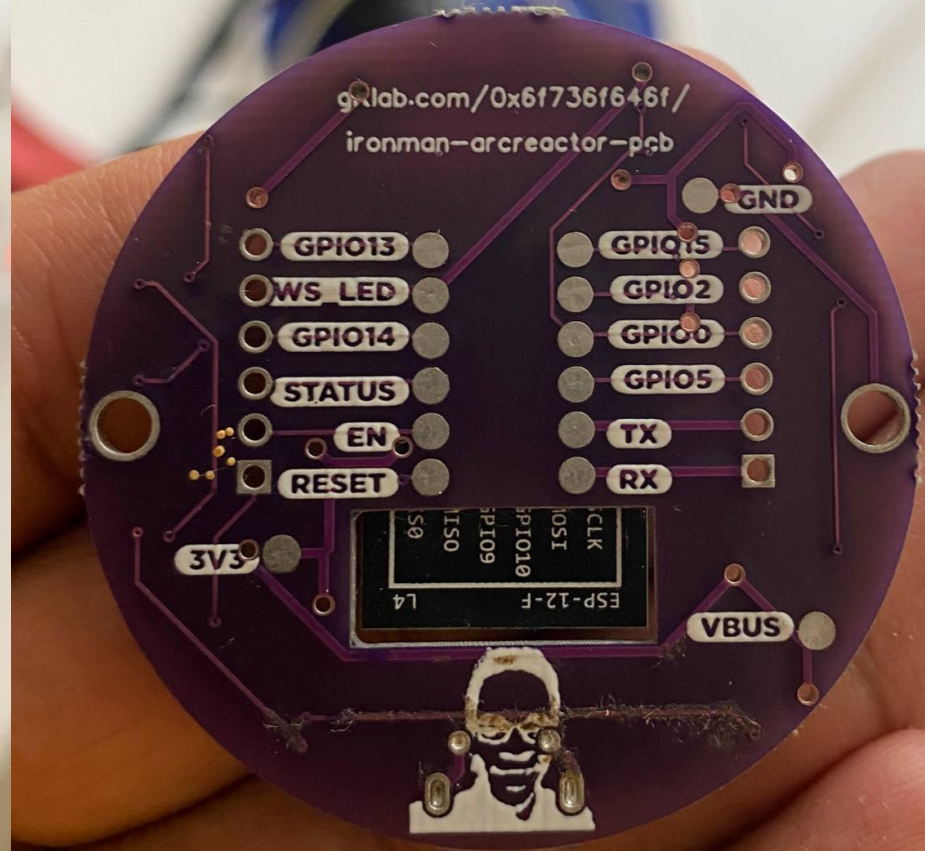
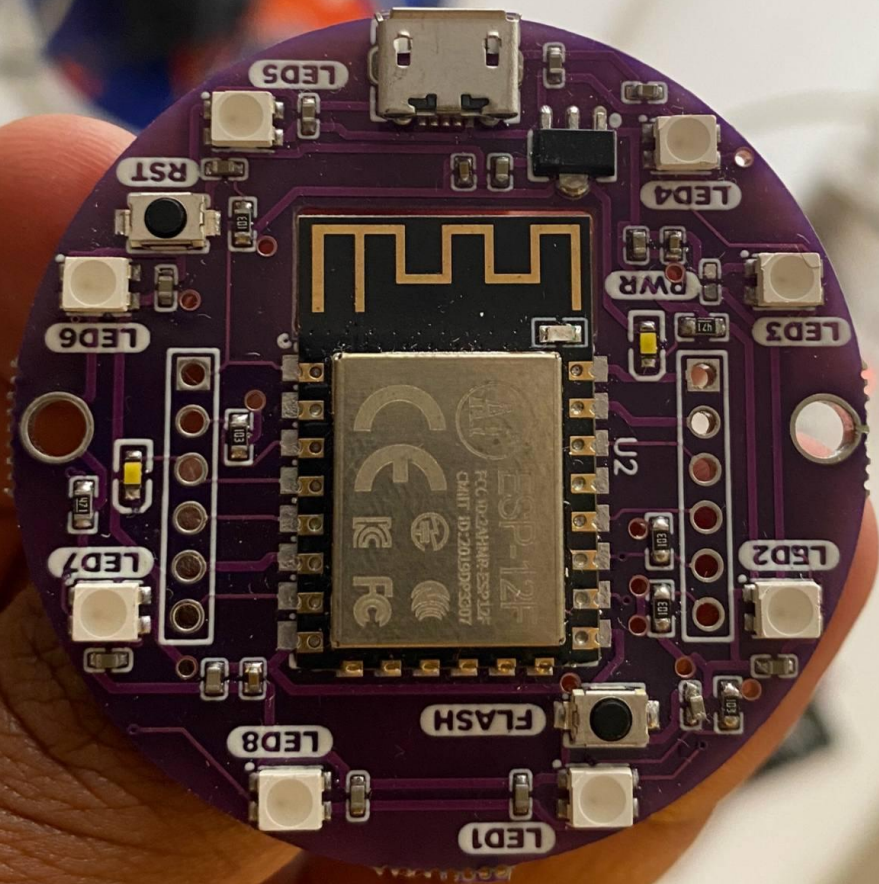
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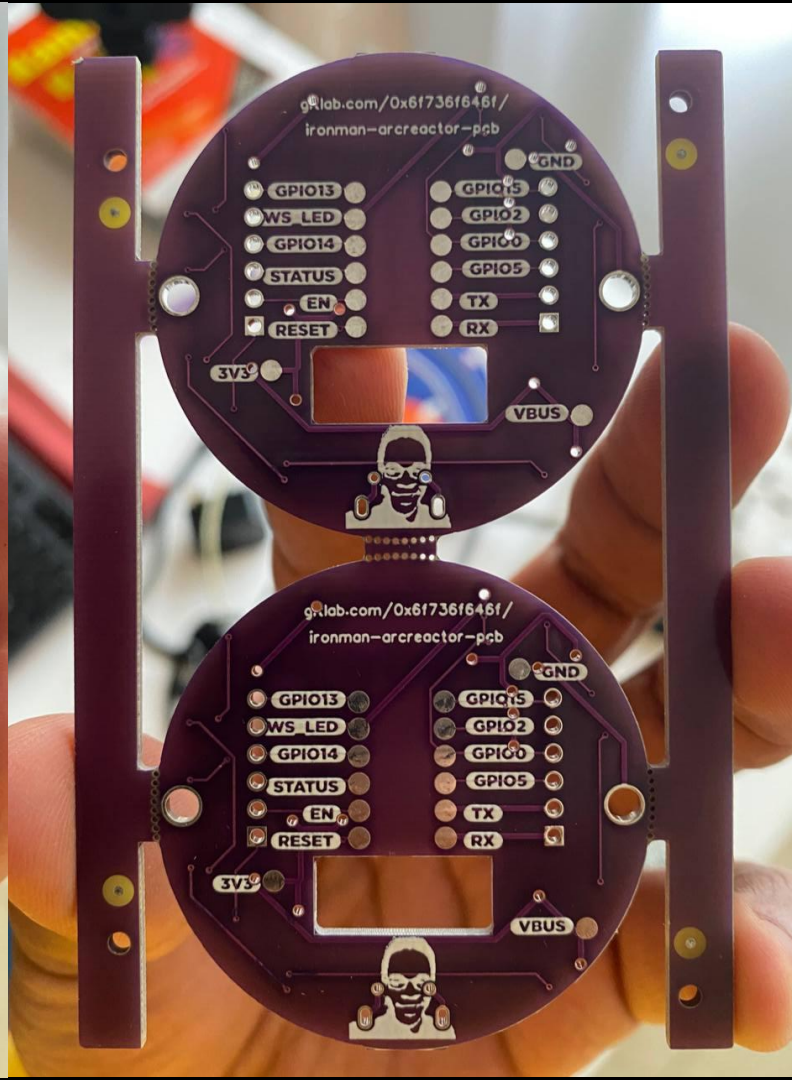
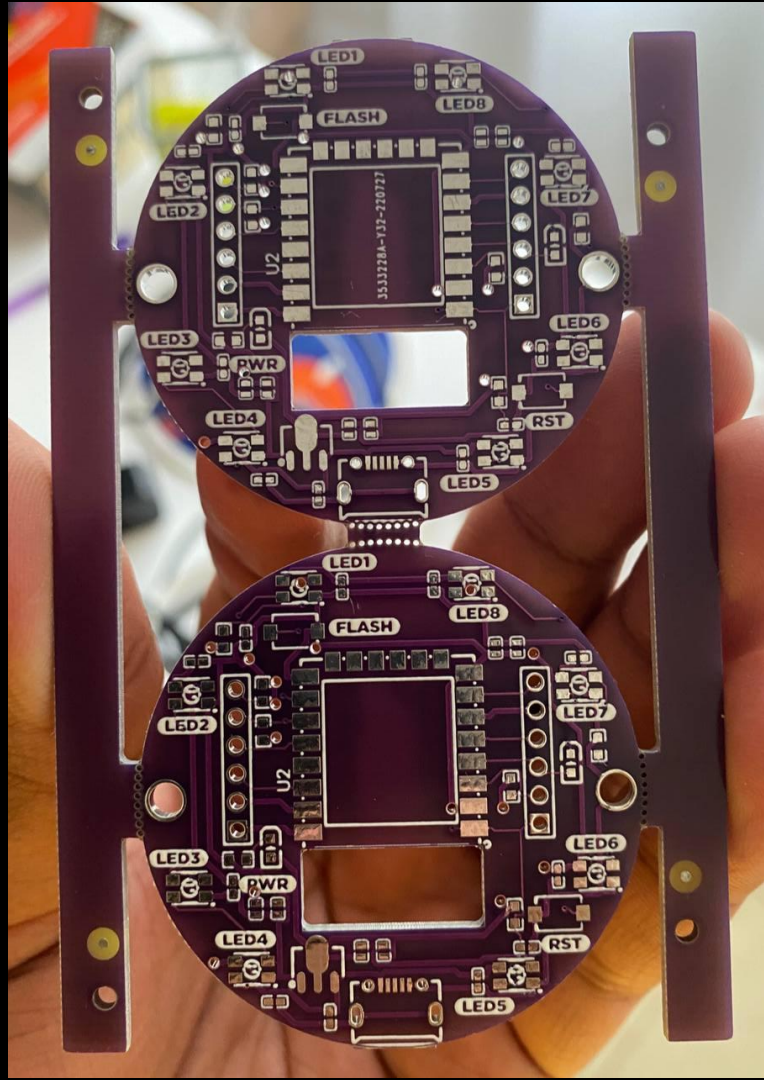
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never trust an atom.



they **MAKE UP** everything.

- Use battery power
- Use low wattage LEDs
- Use bigger capacitors



# The Coin







Demo

References  
[rodneynosodo.com](http://rodneynosodo.com)



**Thank You**



**Any Questions ?**